

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000020.D
 Acq On : 12 Sep 2019 11:54
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.00ml
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:53:52 PM

Quant Time: Sep 12 15:47:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 15:35:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	139537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	263314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	226720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	97491	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	30232	20.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.22%	
35) Dibromofluoromethane	7.72	113	32463	21.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.98%	
50) Toluene-d8	10.18	98	118504	19.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.96%	
62) 4-Bromofluorobenzene	12.48	95	47266	21.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	21660	21.050	ug/l	99
3) Chloromethane	2.11	50	32796	19.594	ug/l	100
4) Vinyl Chloride	2.25	62	32765	20.998	ug/l	95
5) Bromomethane	2.61	94	20560	20.730	ug/l	92
6) Chloroethane	2.77	64	21889	21.071	ug/l	100
7) Trichlorofluoromethane	3.11	101	42835	21.127	ug/l	100
8) Diethyl Ether	3.53	74	17681	21.220	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	28581	20.714	ug/l	97
10) Methyl Iodide	4.09	142	30239	20.042	ug/l	98
11) Tert butyl alcohol	4.98	59	18883	98.814	ug/l	97
12) 1,1-Dichloroethene	3.87	96	26875	20.900	ug/l	90
13) Acrolein	3.73	56	16503	115.114	ug/l	97
14) Allyl chloride	4.47	41	41511	20.791	ug/l	98
15) Acrylonitrile	5.17	53	54799	103.653	ug/l	99
16) Acetone	3.95	43	40661	97.566	ug/l	93
17) Carbon Disulfide	4.18	76	51686	19.960	ug/l	99
18) Methyl Acetate	4.48	43	23532	20.066	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	81561	20.941	ug/l	99
20) Methylene Chloride	4.70	84	34157	20.558	ug/l	98
21) trans-1,2-Dichloroethene	5.21	96	28353	19.913	ug/l	91
22) Diisopropyl ether	6.12	45	92445	20.974	ug/l	97
23) Vinyl Acetate	6.06	43	317171	104.022	ug/l	96
24) 1,1-Dichloroethane	6.01	63	54631	20.916	ug/l	97
25) 2-Butanone	6.99	43	68155	100.609	ug/l	93
26) 2,2-Dichloropropane	6.98	77	49956	20.589	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	36773	20.470	ug/l	95
28) Bromochloromethane	7.34	49	22896	19.088	ug/l	99
29) Tetrahydrofuran	7.35	42	40344	100.115	ug/l	97
30) Chloroform	7.51	83	56009	20.795	ug/l	100
31) Cyclohexane	7.78	56	44142	20.278	ug/l	88
32) 1,1,1-Trichloroethane	7.70	97	45648	20.660	ug/l	99
36) 1,1-Dichloropropene	7.92	75	40721	21.063	ug/l	99
37) Ethyl Acetate	7.08	43	27895	21.397	ug/l	99
38) Carbon Tetrachloride	7.90	117	38848	21.288	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	49239	20.614	ug/l	94
40) Benzene	8.16	78	130128	20.674	ug/l	99
41) Methacrylonitrile	7.32	41	15631m	9.232	ug/l	
42) 1,2-Dichloroethane	8.24	62	33753	20.984	ug/l	99
43) Isopropyl Acetate	8.27	43	51967	20.570	ug/l	99
44) Trichloroethene	8.94	130	32568	20.723	ug/l	94
45) 1,2-Dichloropropane	9.21	63	32284	19.892	ug/l	91
46) Dibromomethane	9.31	93	18775	20.844	ug/l	96
47) Bromodichloromethane	9.49	83	44731	20.803	ug/l	96
48) Methyl methacrylate	9.29	41	22852	20.499	ug/l	99
49) 1,4-Dioxane	9.30	88	7469	395.950	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	139190	98.326	ug/l	98
52) Toluene	10.24	92	80285	20.299	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	46750	20.679	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	53911	20.494	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	29205	20.460	ug/l	97
56) Ethyl methacrylate	10.51	69	40534	20.234	ug/l	99
57) 1,3-Dichloropropane	10.79	76	46961	20.572	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	106847	97.371	ug/l	99
59) 2-Hexanone	10.83	43	102682	100.657	ug/l	98
60) Dibromochloromethane	10.98	129	30874	20.528	ug/l	99
61) 1,2-Dibromoethane	11.09	107	25472	20.204	ug/l	100
64) Tetrachloroethene	10.71	164	28833	20.738	ug/l	96
65) Chlorobenzene	11.51	112	87588	20.274	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	31220	20.856	ug/l	98
67) Ethyl Benzene	11.59	91	161908	20.630	ug/l	96
68) m/p-Xylenes	11.70	106	121242	40.938	ug/l	100
69) o-Xylene	12.02	106	58651	20.206	ug/l	96
70) Styrene	12.04	104	101433	20.088	ug/l	99
71) Bromoform	12.20	173	18206	20.143	ug/l	# 96
73) Isopropylbenzene	12.32	105	156757	21.044	ug/l	100
74) N-amyl acetate	12.14	43	44685	20.322	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	36673	20.591	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	26338m	12.180	ug/l	
77) Bromobenzene	12.60	156	32254	20.469	ug/l	92
78) n-propylbenzene	12.66	91	190269	20.901	ug/l	100
79) 2-Chlorotoluene	12.75	91	106709	20.963	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	129309	20.790	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	13677	20.035	ug/l	99
82) 4-Chlorotoluene	12.85	91	110154	20.618	ug/l	99
83) tert-Butylbenzene	13.07	119	111926	20.944	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	125220	20.381	ug/l	99
85) sec-Butylbenzene	13.25	105	161740	20.507	ug/l	98
86) p-Isopropyltoluene	13.37	119	138436	20.691	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	67631	21.326	ug/l	94
88) 1,4-Dichlorobenzene	13.44	146	65357	20.479	ug/l	98
89) n-Butylbenzene	13.69	91	142394	21.002	ug/l	100
90) Hexachloroethane	13.95	117	28253	21.131	ug/l	95
91) 1,2-Dichlorobenzene	13.73	146	61038	20.681	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	6572	18.977	ug/l	94

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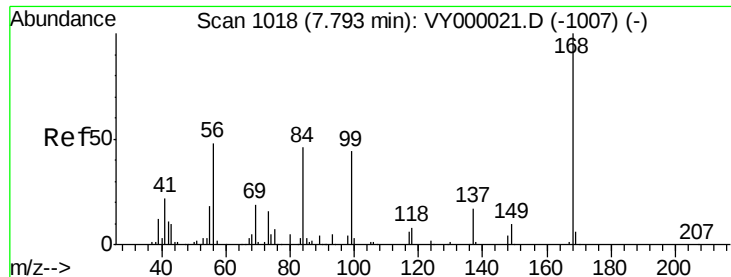
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	38904	20.658	ug/l	97
94) Hexachlorobutadiene	15.10	225	17692	20.482	ug/l	98
95) Naphthalene	15.22	128	102503	19.895	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	33972	20.095	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 139537

Ion Ratio Lower Upper

168 100

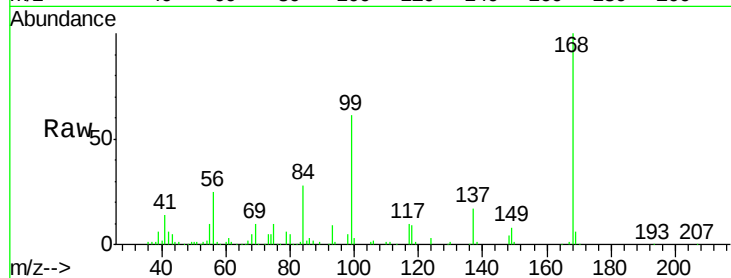
99 61.2 46.3 69.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

60000

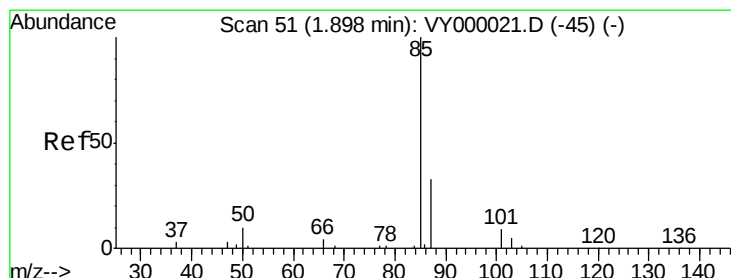
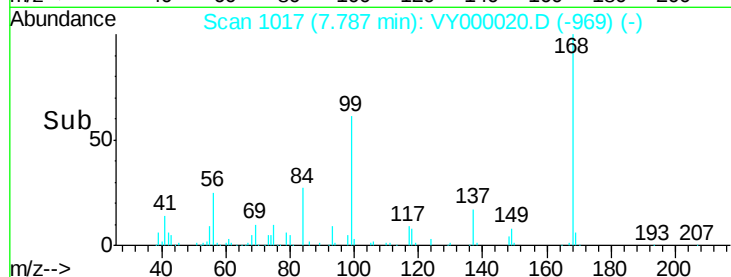
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 21.050 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000020.D

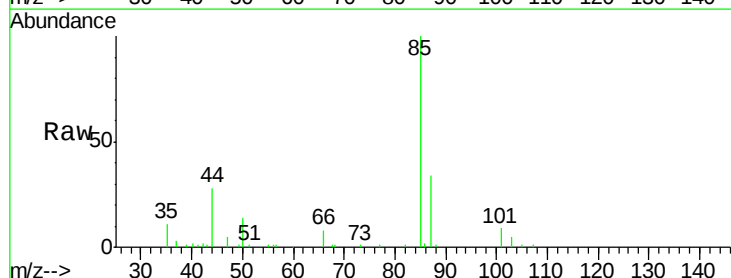
Acq: 12 Sep 2019 11:54

Tgt Ion: 85 Resp: 21660

Ion Ratio Lower Upper

85 100

87 33.9 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

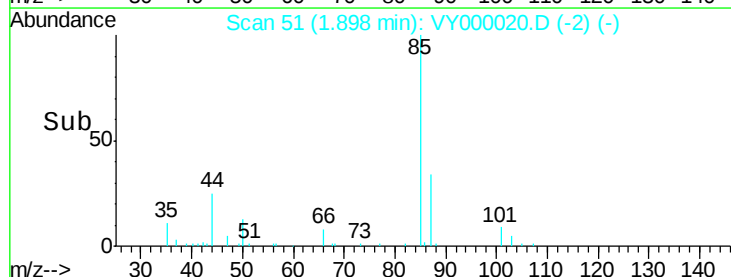
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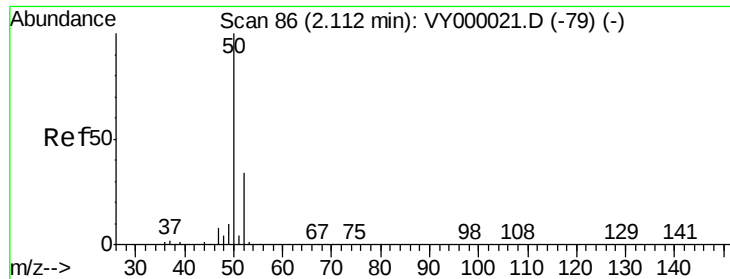
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 19.594 ug/l

RT: 2.11 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 32796

Ion Ratio Lower Upper

50 100

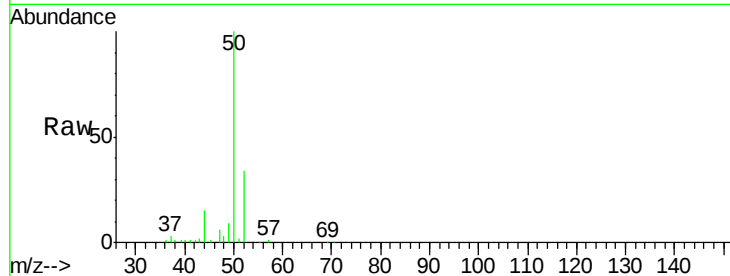
52 33.9 27.0 40.6

Manual Integrations

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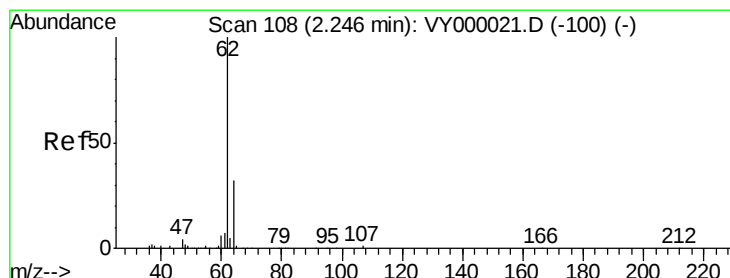
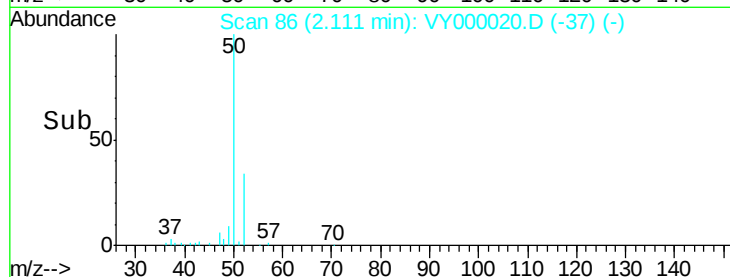
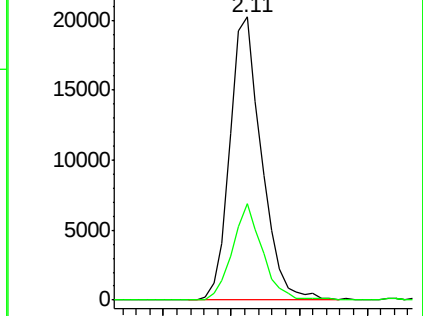
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 20.998 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000020.D

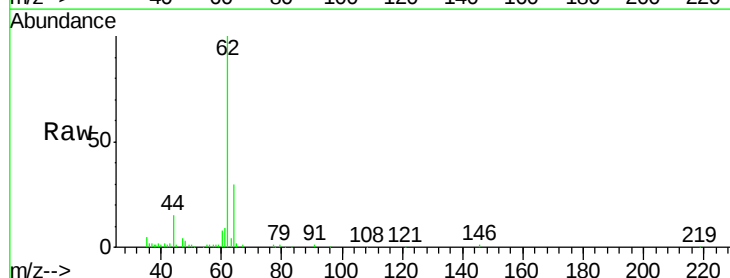
Acq: 12 Sep 2019 11:54

Tgt Ion: 62 Resp: 32765

Ion Ratio Lower Upper

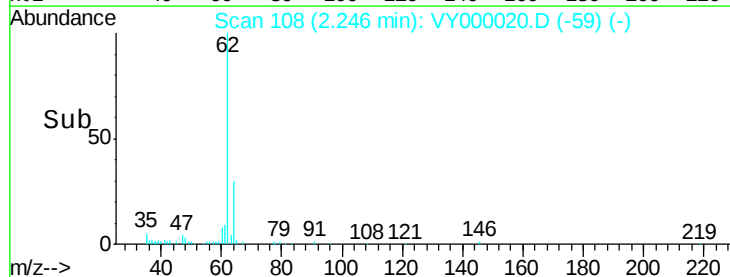
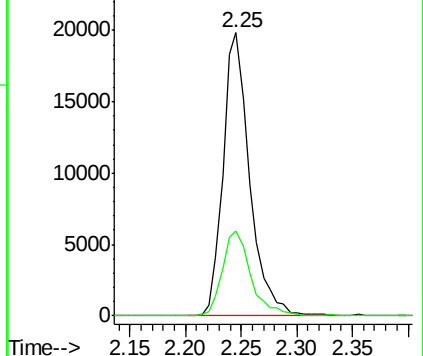
62 100

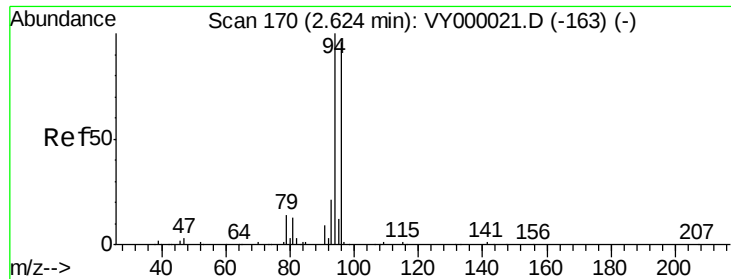
64 30.0 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 20.730 ug/l

RT: 2.61 min Scan# 168

Delta R.T. -0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 20560

Ion Ratio Lower Upper

94 100

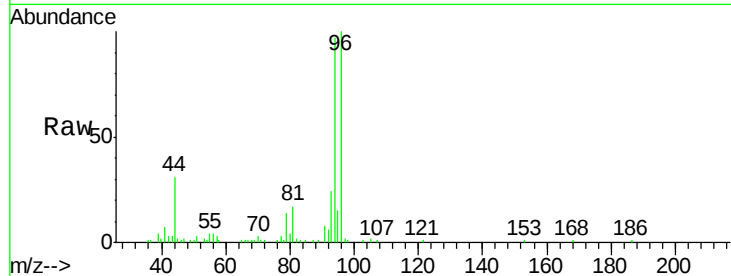
96 103.5 76.8 115.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

12000

10000

8000

6000

4000

2000

0

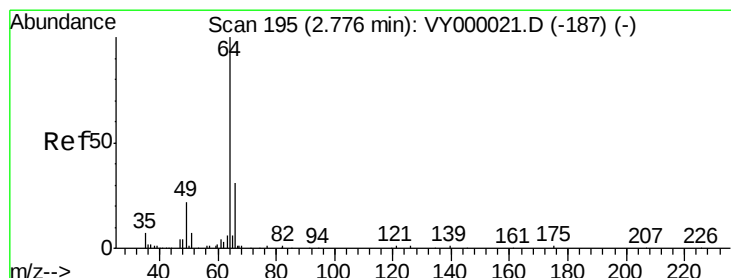
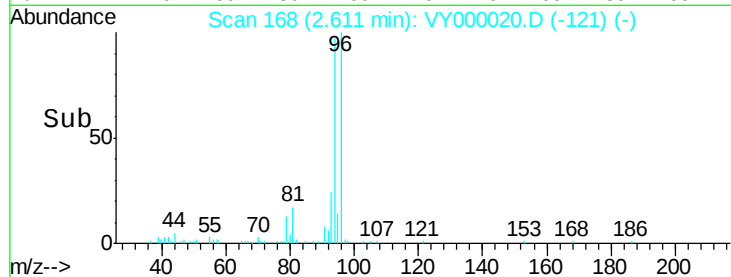
2.55

2.60

2.65

2.70

Time-->



#6

Chloroethane

Concen: 21.071 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VY000020.D

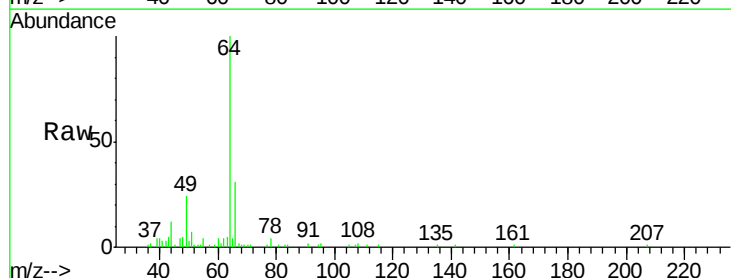
Acq: 12 Sep 2019 11:54

Tgt Ion: 64 Resp: 21889

Ion Ratio Lower Upper

64 100

66 31.3 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

10000

8000

6000

4000

2000

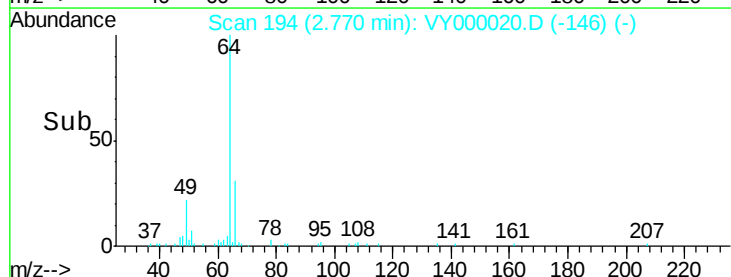
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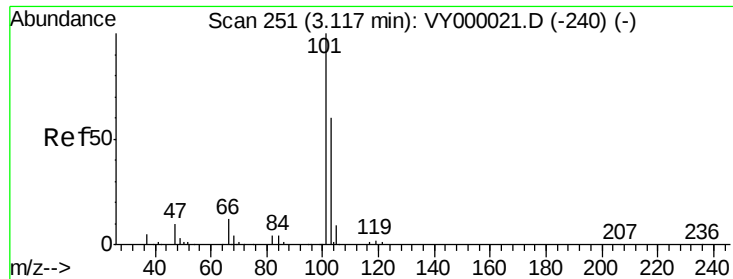
2.70

2.80

2.90

Time-->





#7

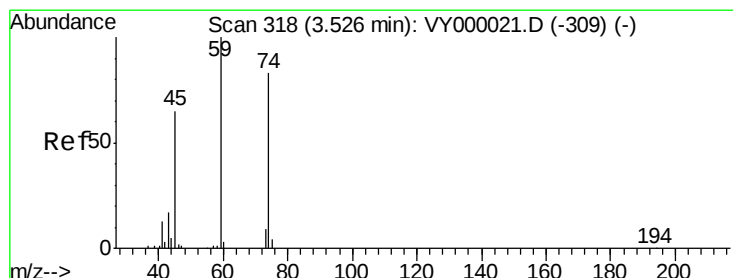
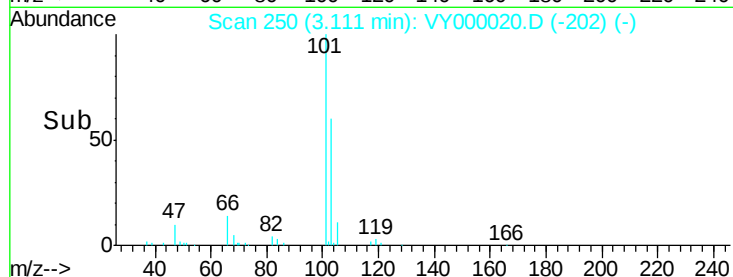
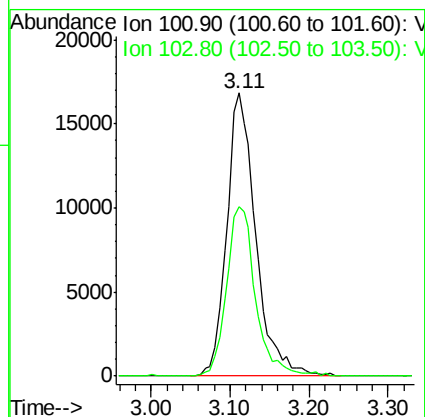
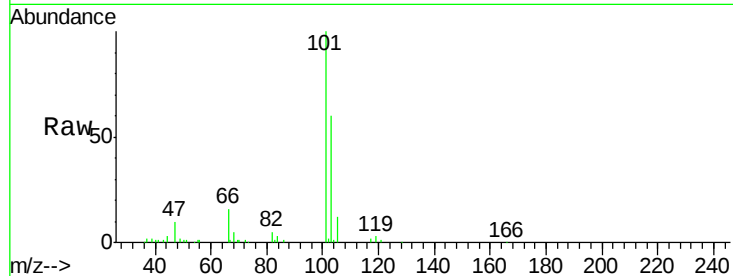
Trichlorofluoromethane
 Concen: 21.127 ug/l
 RT: 3.11 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	42835		
103	60.1	48.1	72.1	

Manual Integrations
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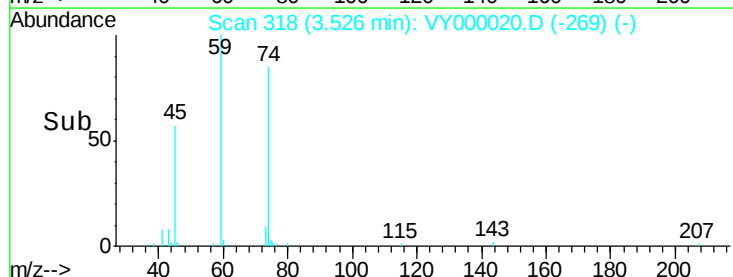
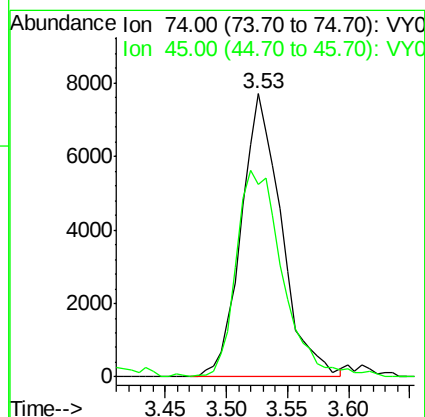
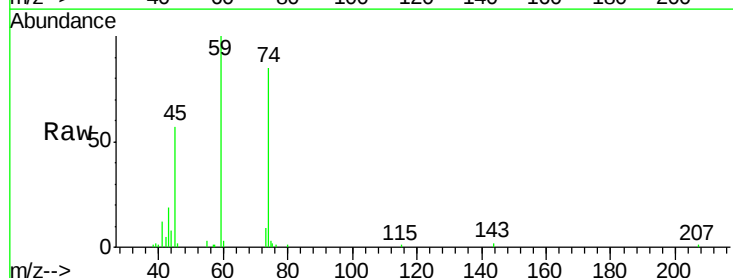
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 9/13/2019 11:53:52 PM

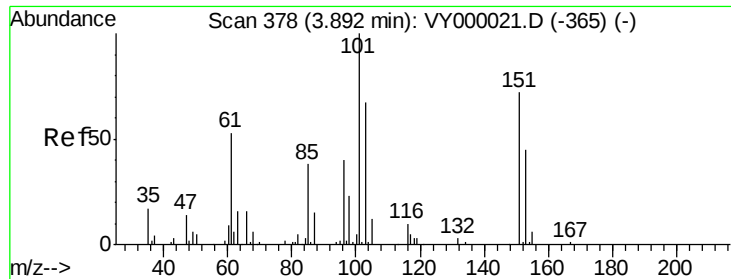


#8

Diethyl Ether
 Concen: 21.220 ug/l
 RT: 3.53 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	17681		
45	83.9	41.9	125.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.714 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

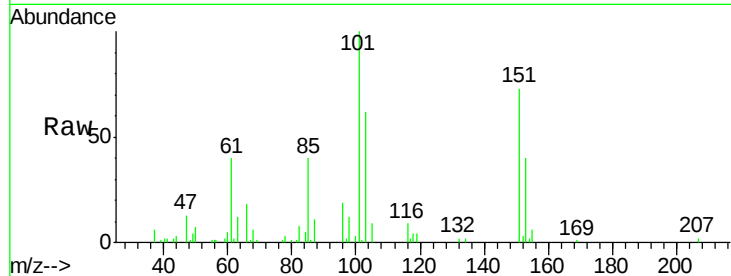
ClientSampleId :

VSTDIC020

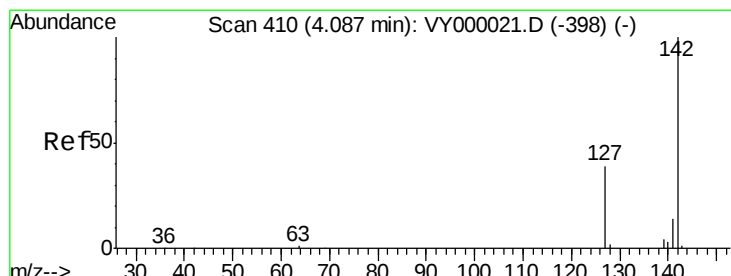
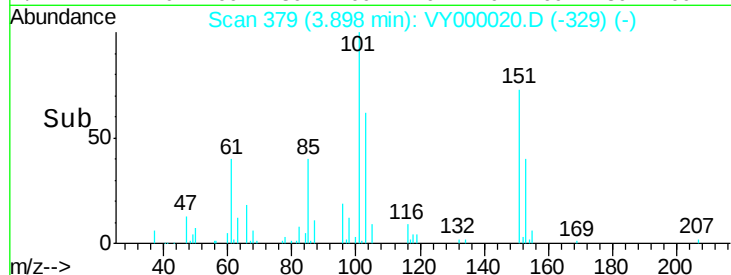
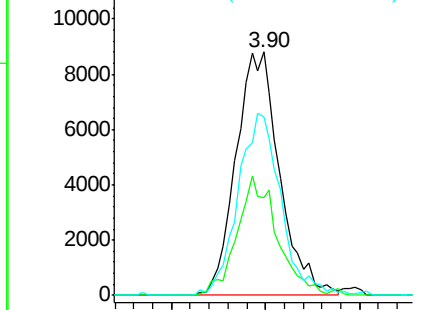
Tot Ion:	101	Resp:	28581
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.3	52.9
151	73.5	55.9	83.9

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.042 ug/l

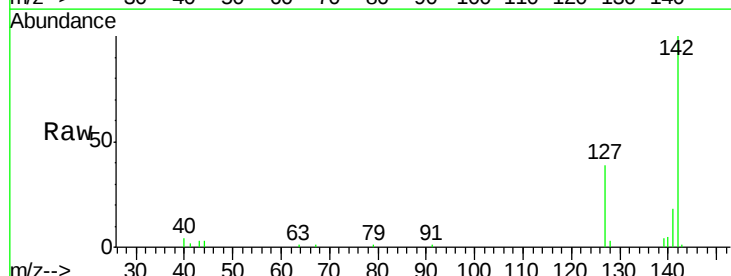
RT: 4.09 min Scan# 410

Delta R.T. -0.00 min

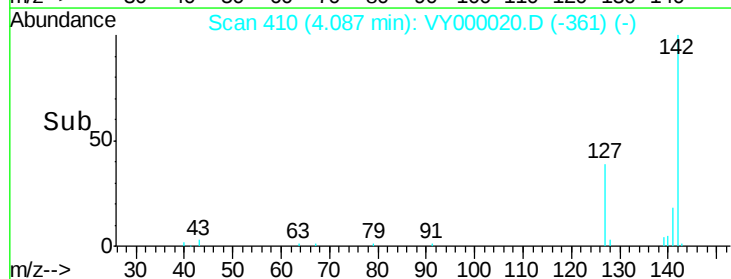
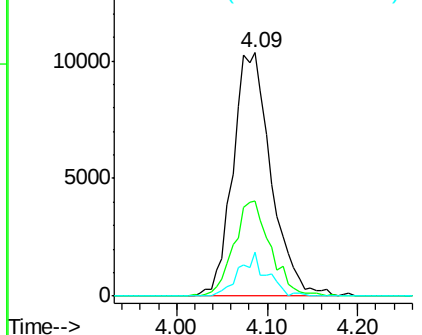
Lab File: VY000020.D

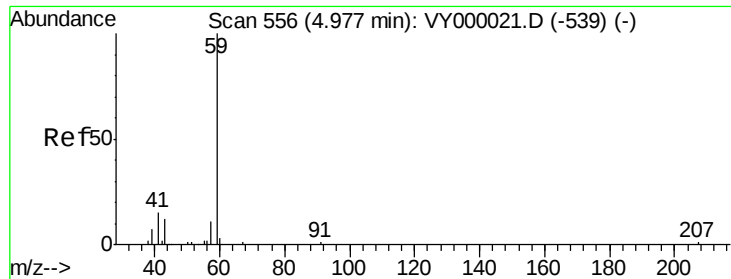
Acq: 12 Sep 2019 11:54

Tgt Ion:	142	Resp:	30239
Ion Ratio	Lower	Upper	
142	100		
127	37.5	31.4	47.2
141	13.1	10.6	16.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





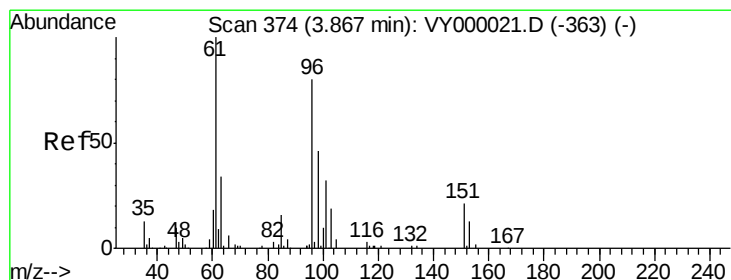
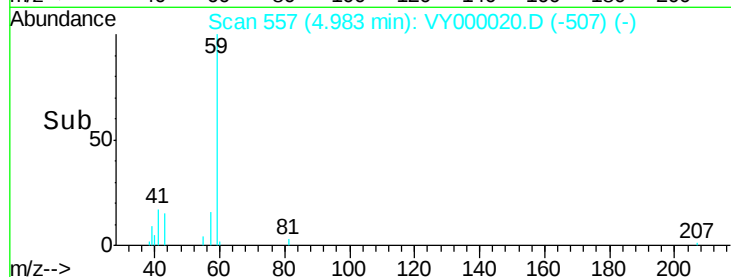
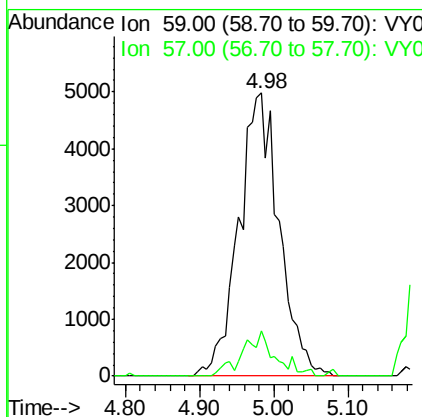
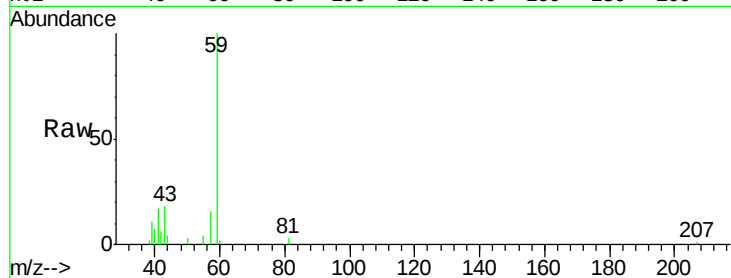
#11
Tert butyl alcohol
Concen: 98.814 ug/l
RT: 4.98 min Scan# 557
Delta R.T. 0.01 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	59	Resp	18883
Ion Ratio	100	Lower	Upper
57	11.5	8.3	12.5

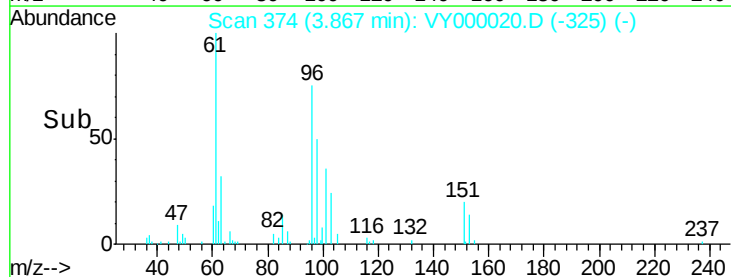
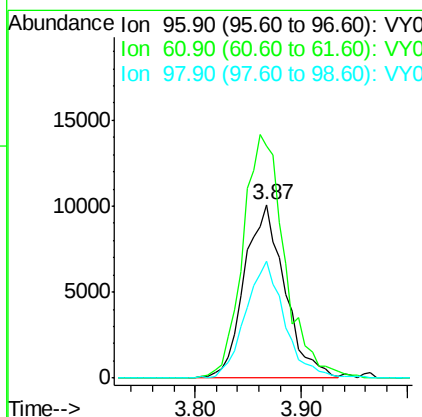
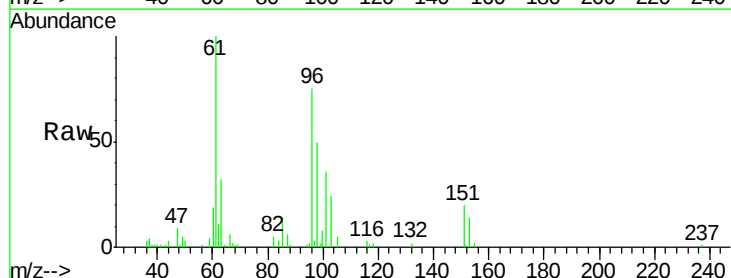
Manual Integrations
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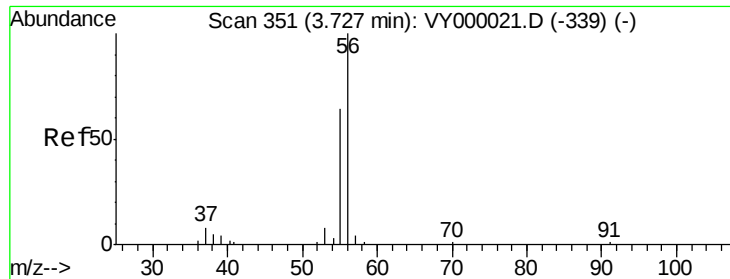
MMDadoda
9/13/2019 11:53:52 PM



#12
1,1-Dichloroethene
Concen: 20.900 ug/l
RT: 3.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	96	Resp	26875
Ion Ratio	100	Lower	Upper
61	133.8	99.8	149.6
98	67.4	46.3	69.5





#13

Acrolein

Concen: 115.114 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 16503

Ion Ratio Lower Upper

56 100

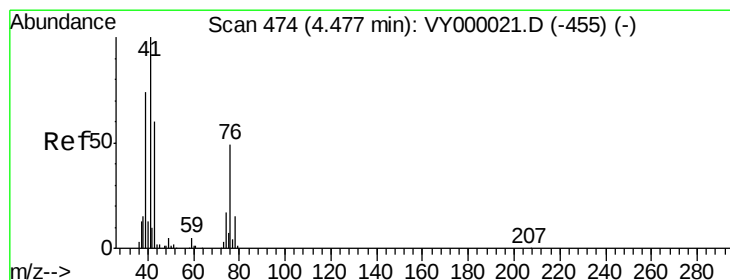
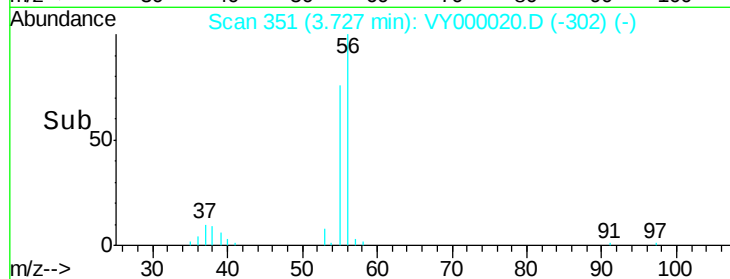
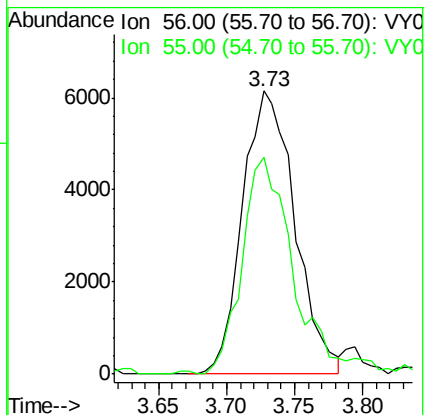
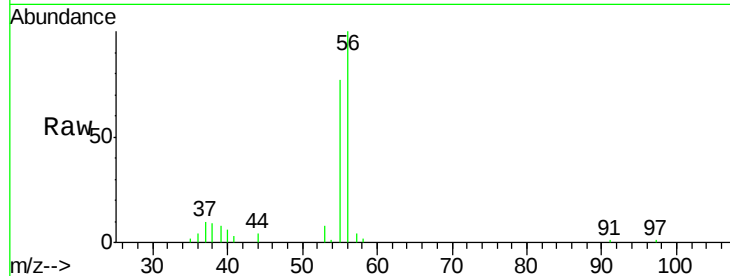
55 73.3 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.791 ug/l

RT: 4.47 min Scan# 473

Delta R.T. -0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

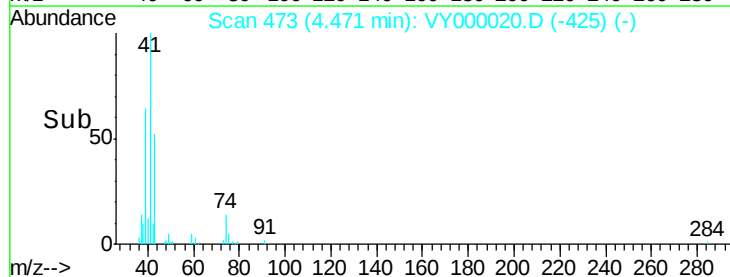
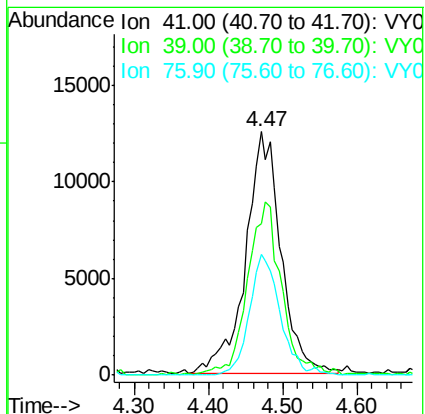
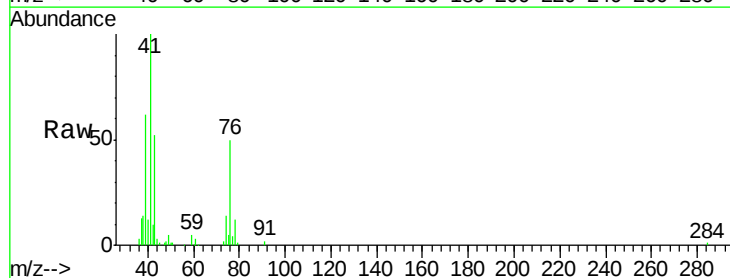
Tgt Ion: 41 Resp: 41511

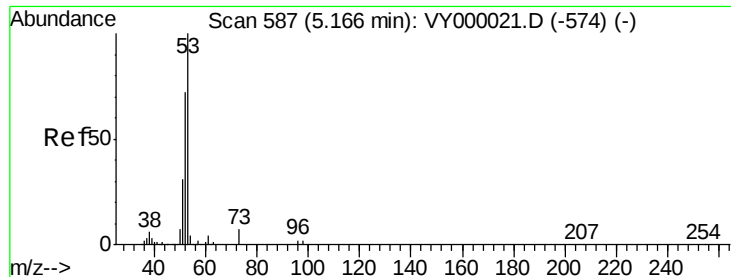
Ion Ratio Lower Upper

41 100

39 68.5 53.1 79.7

76 43.7 34.9 52.3





#15

Acrylonitrile

Concen: 103.653 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

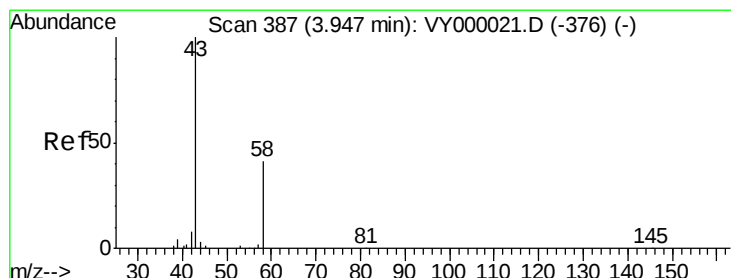
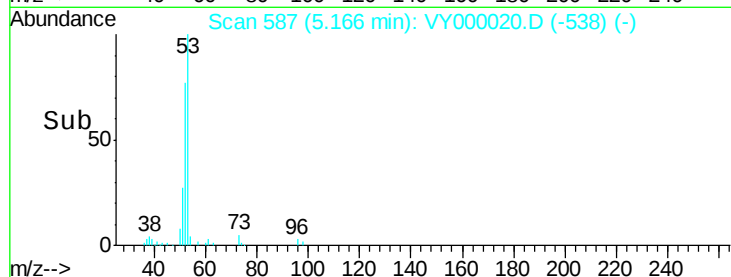
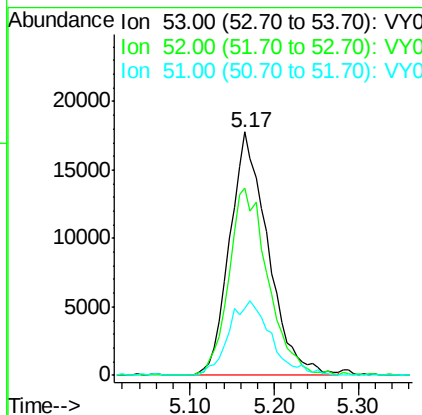
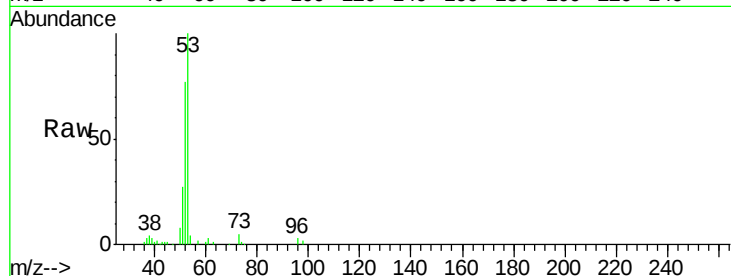
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	54799
Ion	Ratio	Lower	Upper
53	100		
52	78.1	62.8	94.2
51	33.8	26.6	40.0

Manual Integrations
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#16

Acetone

Concen: 97.566 ug/l

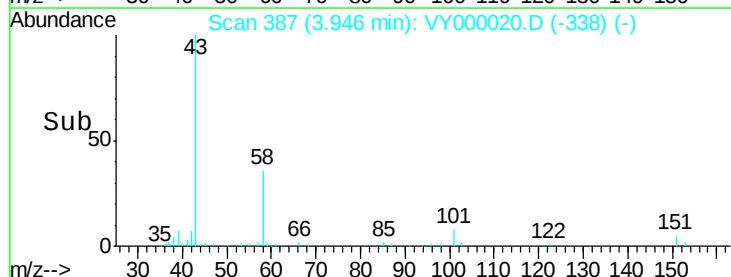
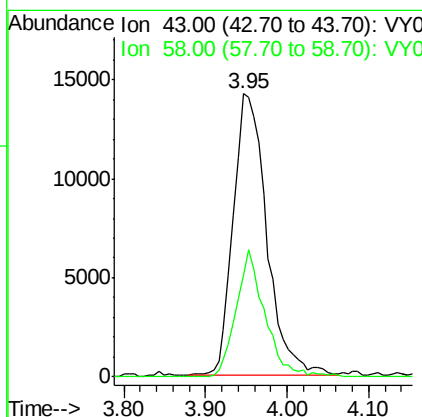
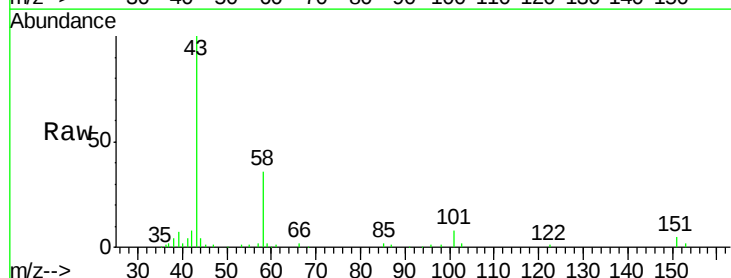
RT: 3.95 min Scan# 387

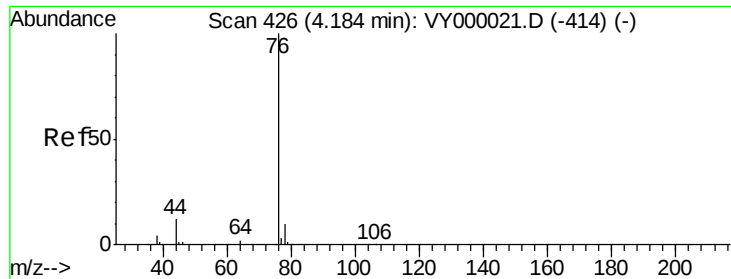
Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Tgt Ion:	43	Resp:	40661
Ion	Ratio	Lower	Upper
43	100		
58	36.2	32.5	48.7





#17

Carbon Disulfide

Concen: 19.960 ug/l

RT: 4.18 min Scan# 426

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 51686

Ion Ratio Lower Upper

76 100

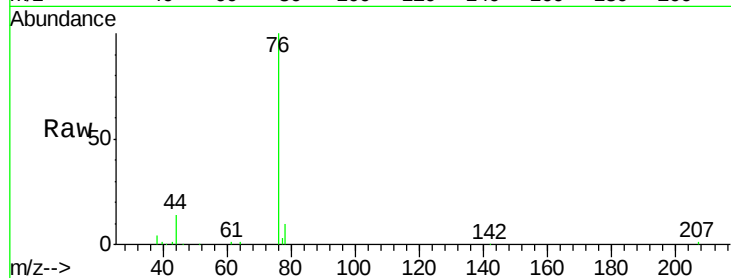
78 10.0 7.6 11.4

Manual Integrations

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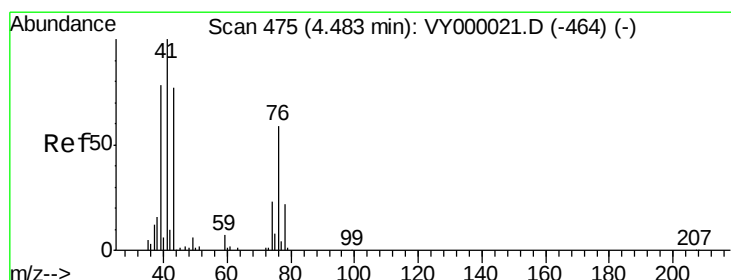
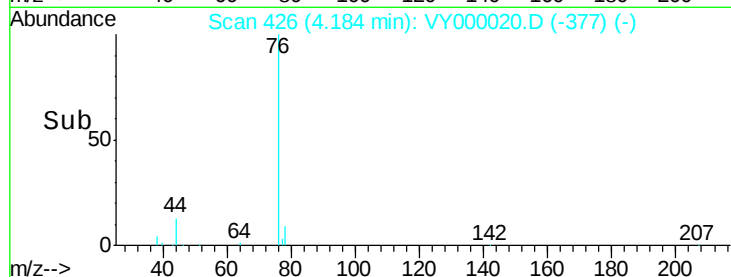
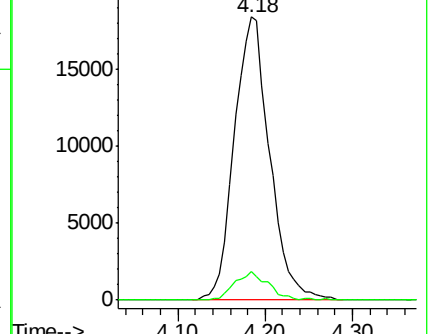
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 20.066 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.01 min

Lab File: VY000020.D

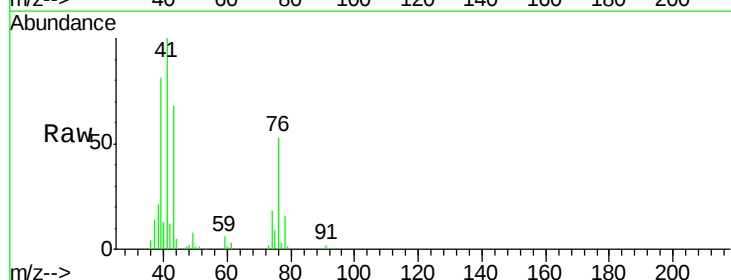
Acq: 12 Sep 2019 11:54

Tgt Ion: 43 Resp: 23532

Ion Ratio Lower Upper

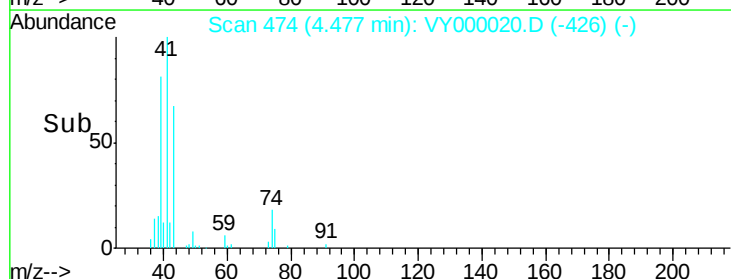
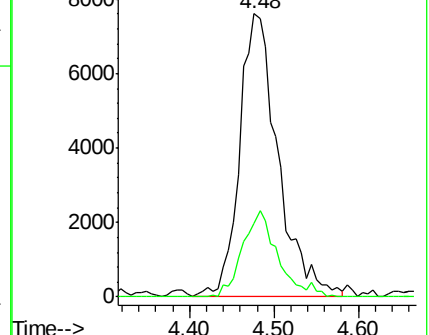
43 100

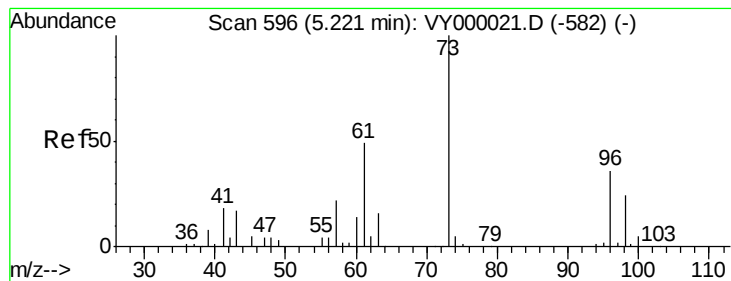
74 27.0 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#19

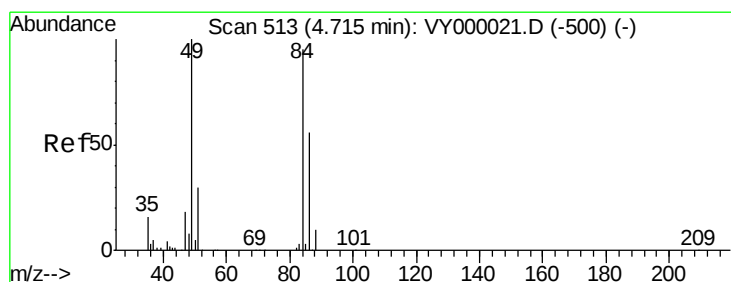
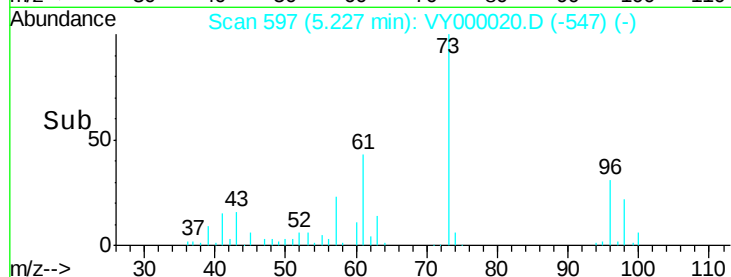
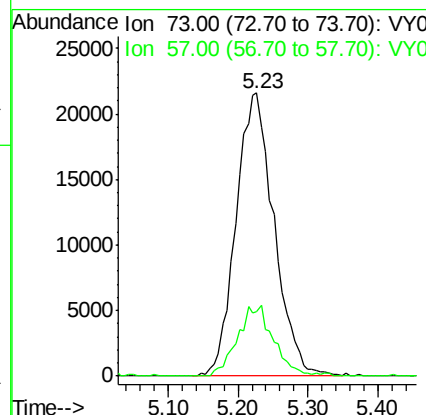
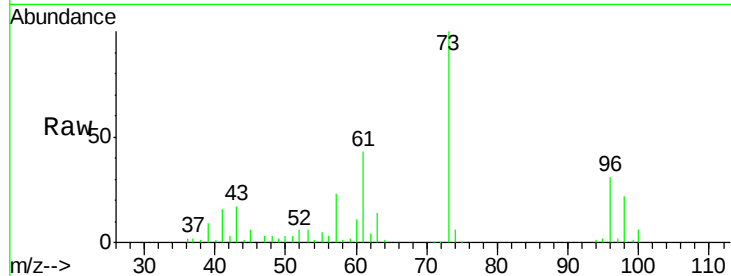
Methyl tert-butyl Ether
 Concen: 20.941 ug/l
 RT: 5.23 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.8	26.8

Manual Integrations
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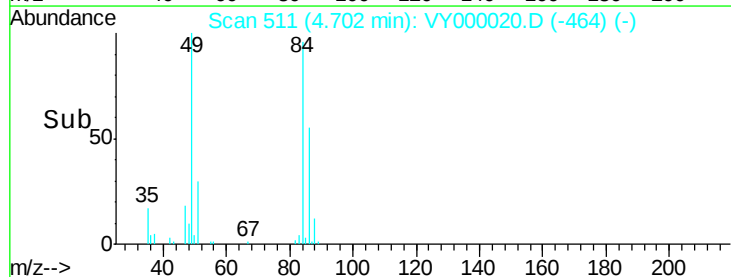
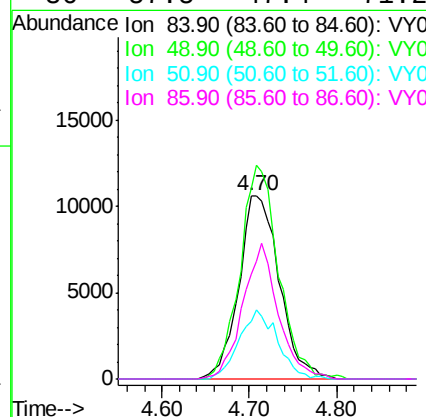
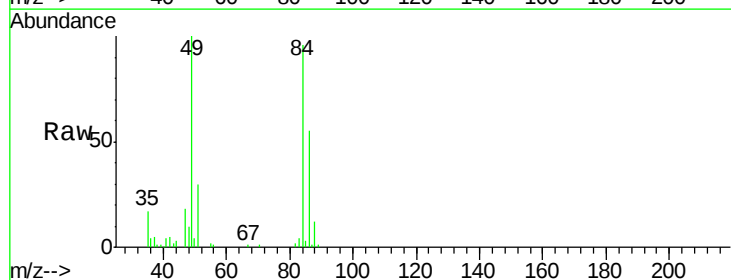
MMDadoda
 9/13/2019 11:53:52 PM

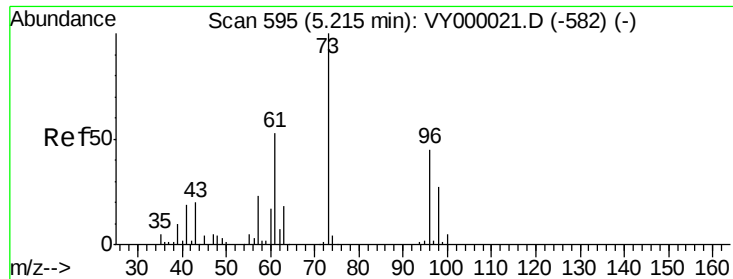


#20

Methylene Chloride
 Concen: 20.558 ug/l
 RT: 4.70 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.9	84.4	126.6
51	31.4	25.4	38.0
86	57.5	47.4	71.2





#21

trans-1,2-Dichloroethene

Concen: 19.913 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

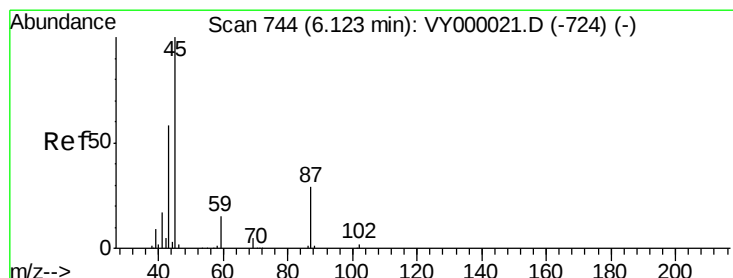
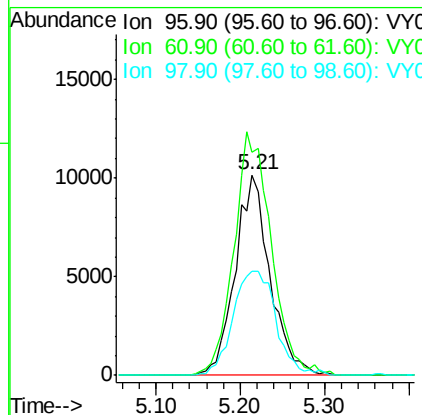
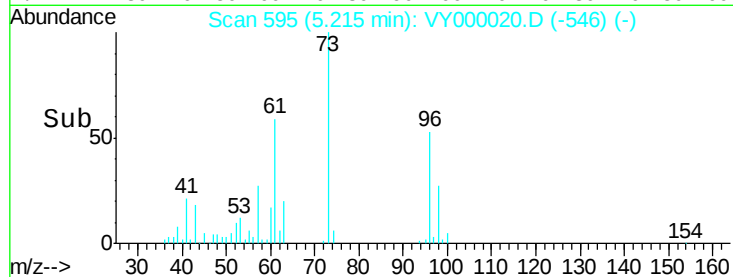
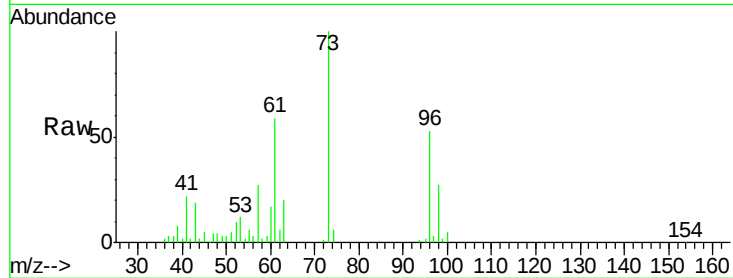
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	28353
Ion	Ratio	Lower	Upper
96	100		
61	111.5	95.3	142.9
98	51.8	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.974 ug/l

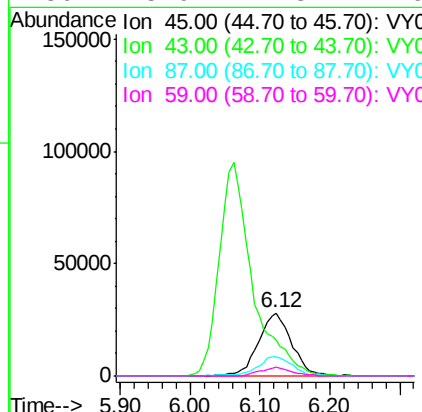
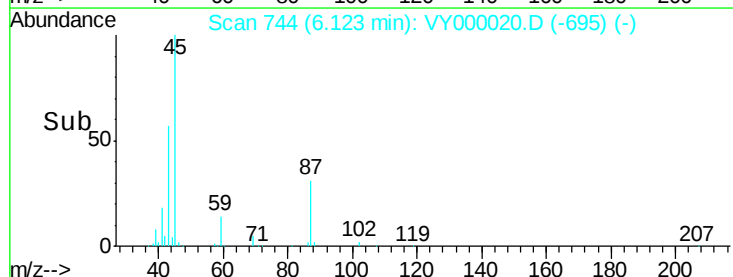
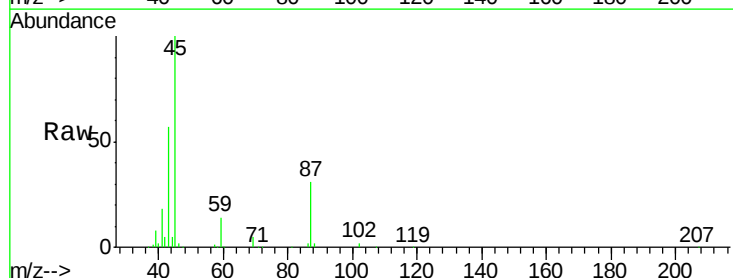
RT: 6.12 min Scan# 744

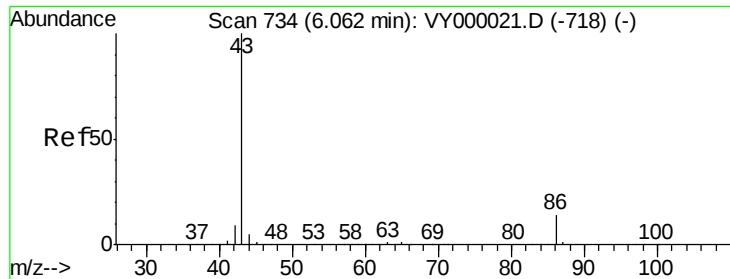
Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Tgt Ion:	45	Resp:	92445
Ion	Ratio	Lower	Upper
45	100		
43	56.5	47.0	70.4
87	30.9	23.1	34.7
59	13.9	11.8	17.6





#23

Vinyl Acetate

Concen: 104.022 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 317171

Ion Ratio Lower Upper

43 100

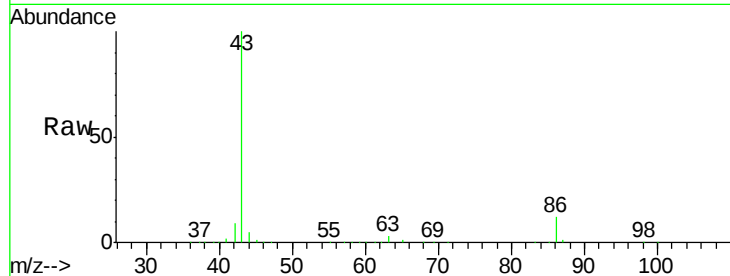
86 12.1 11.0 16.4

Manual Integrations

APPROVED

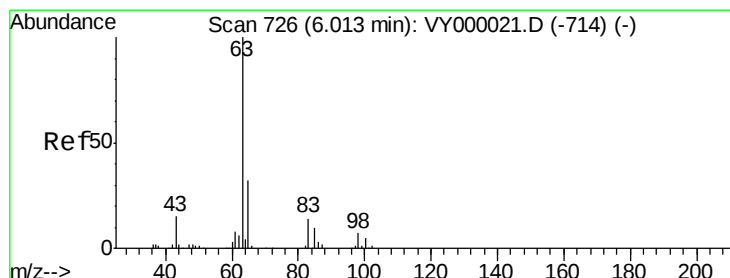
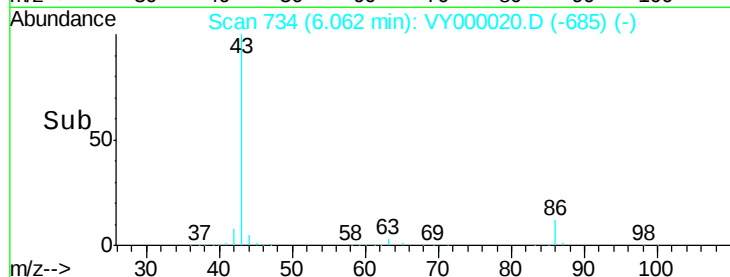
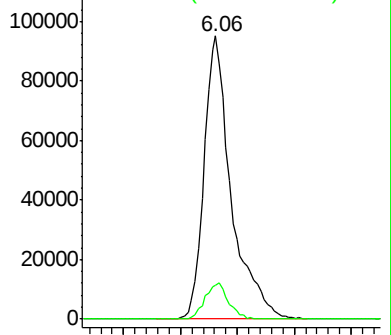
MMDadoda

9/13/2019 11:53:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.916 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

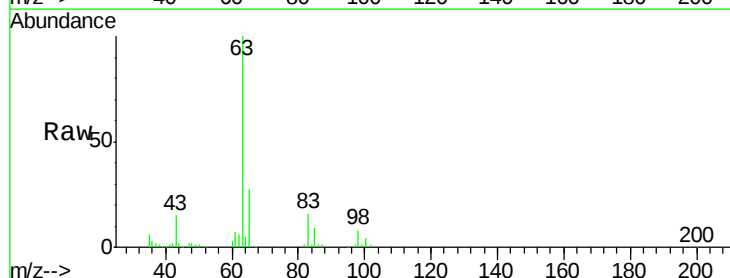
Tgt Ion: 63 Resp: 54631

Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.2

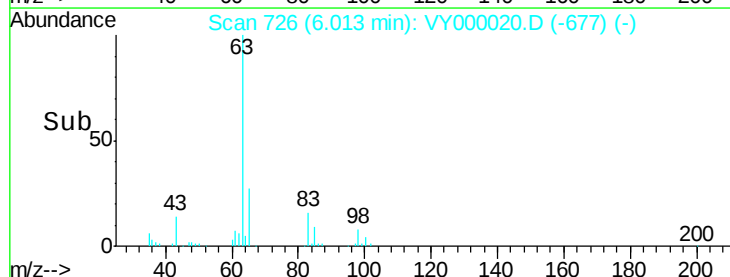
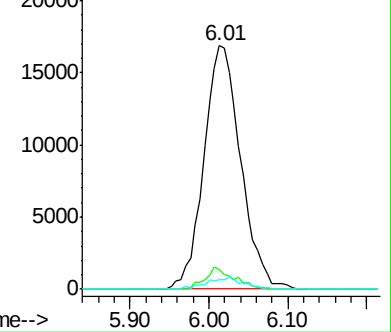
100 4.0 2.6 8.0

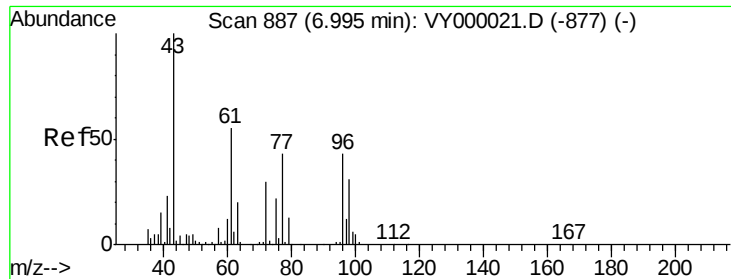


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 100.609 ug/l

RT: 6.99 min Scan# 887

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 68155

Ion Ratio Lower Upper

43 100

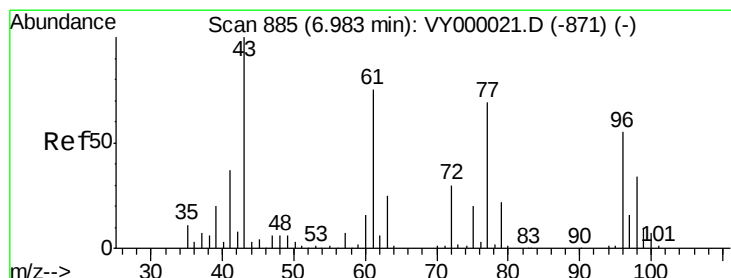
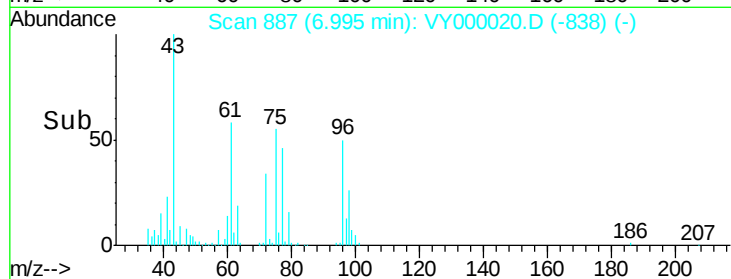
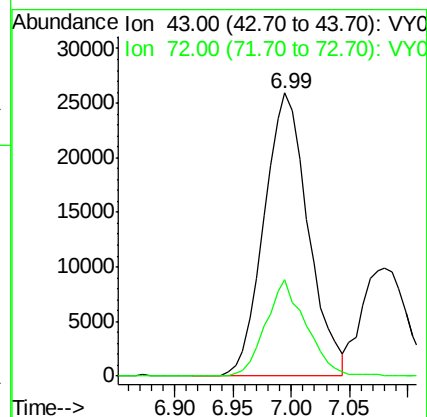
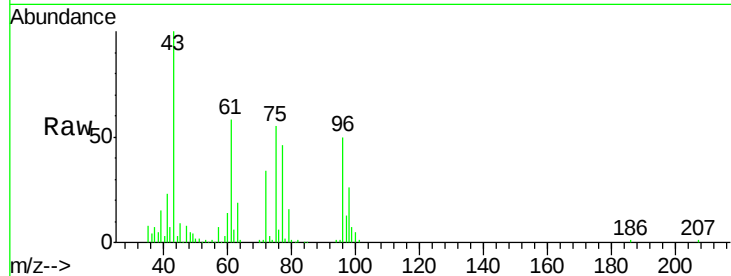
72 34.2 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.589 ug/l

RT: 6.98 min Scan# 884

Delta R.T. -0.01 min

Lab File: VY000020.D

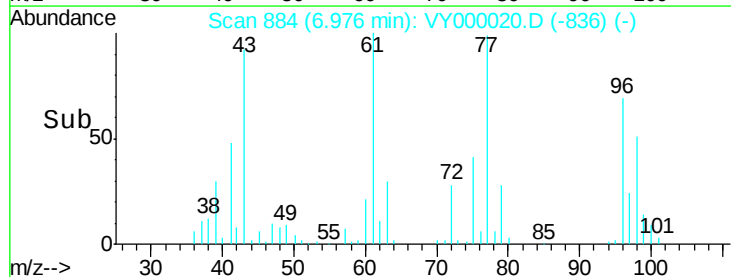
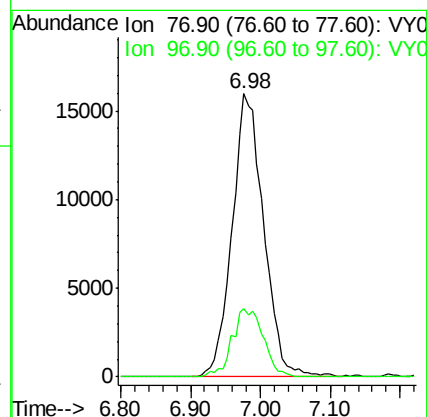
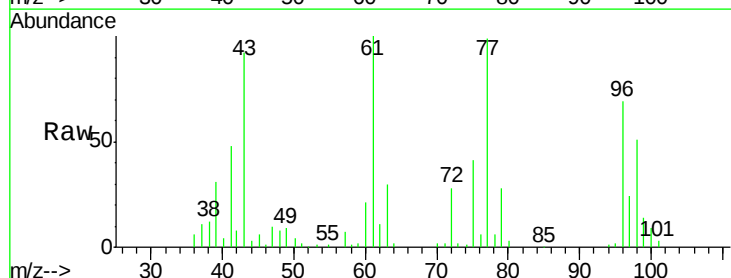
Acq: 12 Sep 2019 11:54

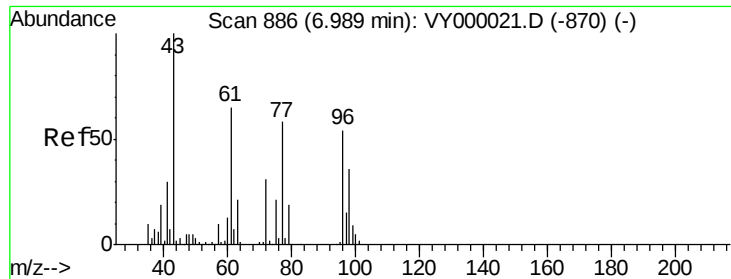
Tgt Ion: 77 Resp: 49956

Ion Ratio Lower Upper

77 100

97 23.7 12.0 36.1





#27

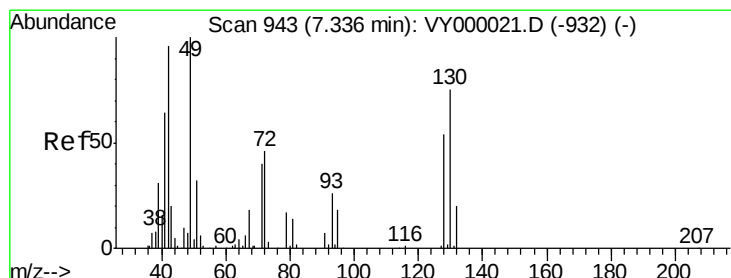
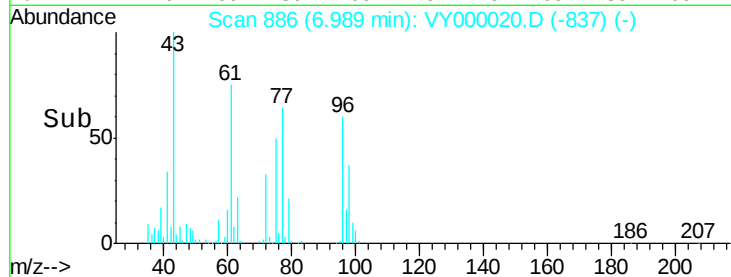
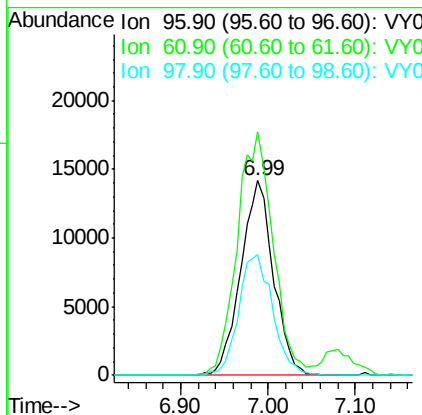
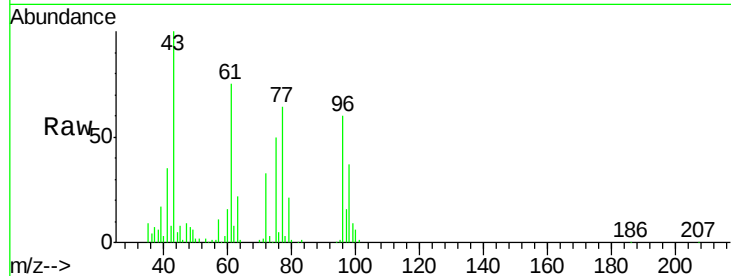
cis-1,2-Dichloroethene
Concen: 20.470 ug/l
RT: 6.99 min Scan# 886
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	259.2
98	64.7	0.0	127.4

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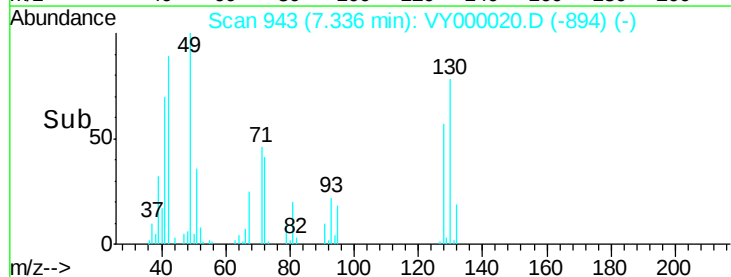
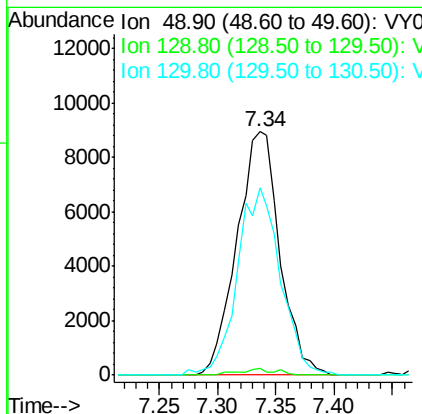
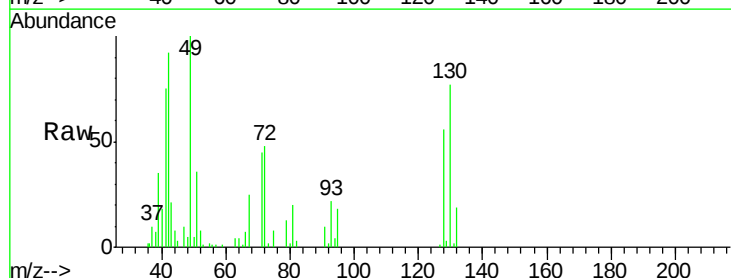
MMDadoda
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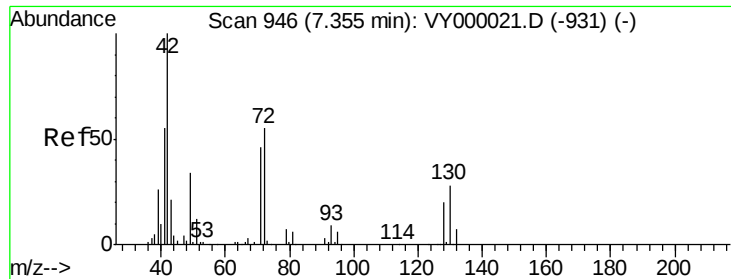


#28

Bromochloromethane
Concen: 19.088 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.8
130	77.3	62.5	93.7





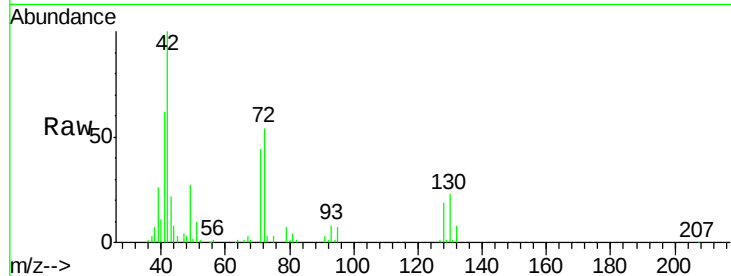
#29
Tetrahydrofuran
Concen: 100.115 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

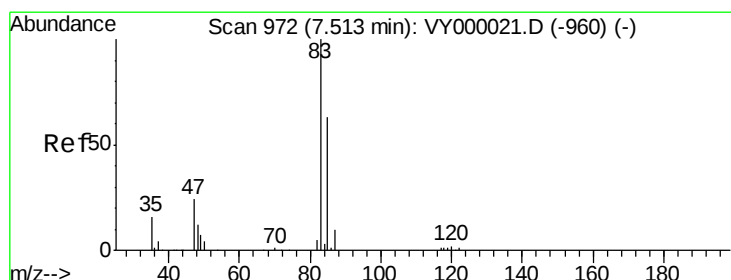
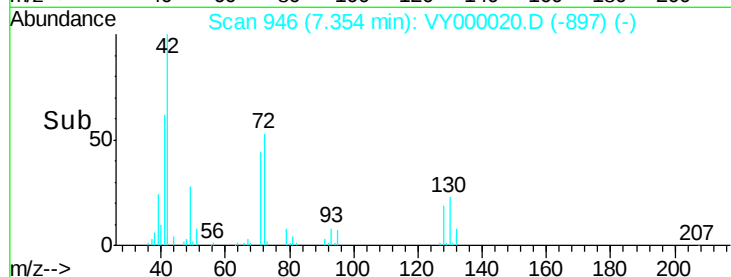
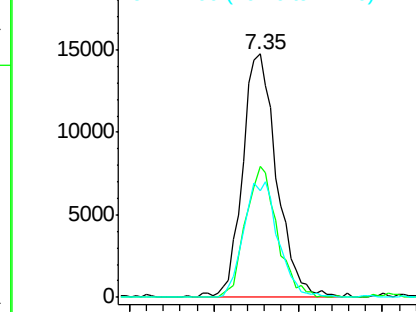
Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	41.1	61.7
71	48.3	36.5	54.7

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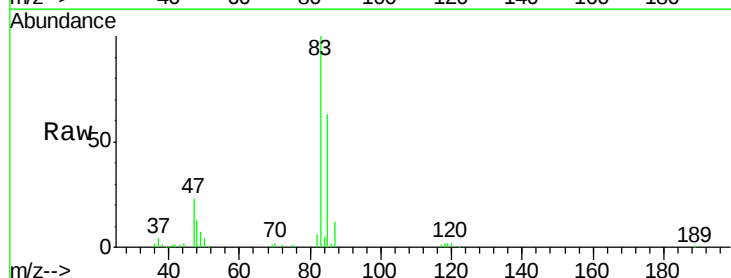


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

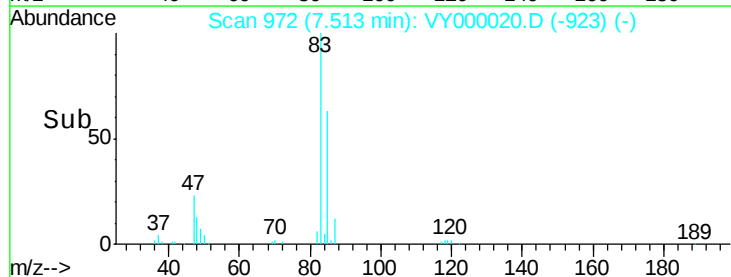
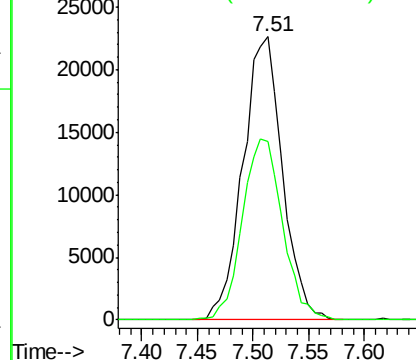


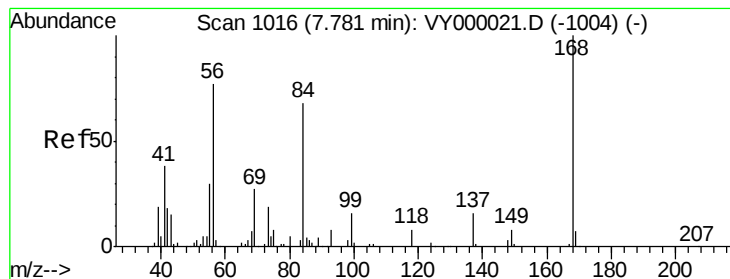
#30
Chloroform
Concen: 20.795 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.6	76.0



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 20.278 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

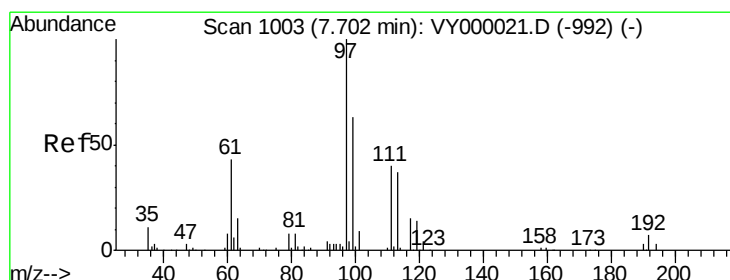
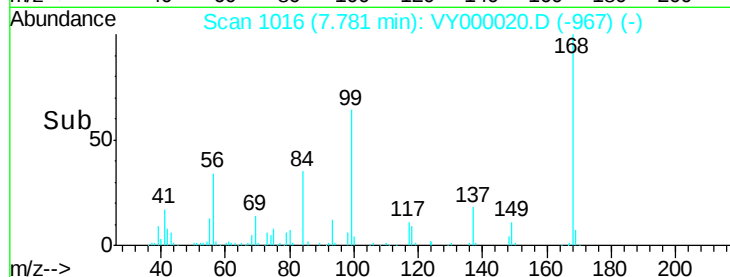
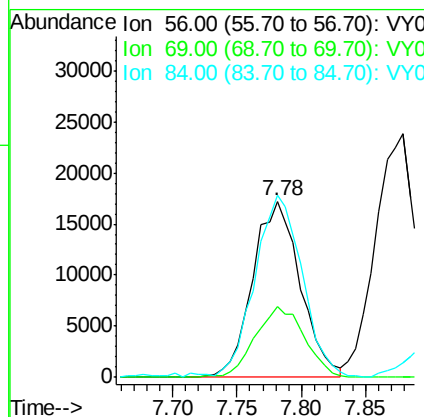
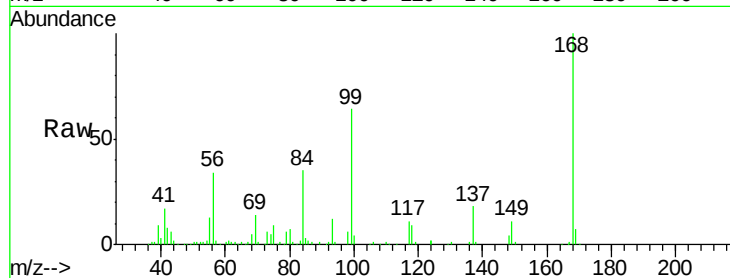
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	44142
Ion	Ratio	Lower	Upper
56	100		
69	40.5	28.0	42.0
84	100.3	70.4	105.6

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#32

1,1,1-Trichloroethane

Concen: 20.660 ug/l

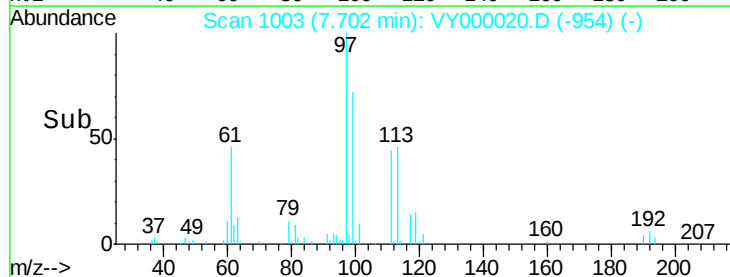
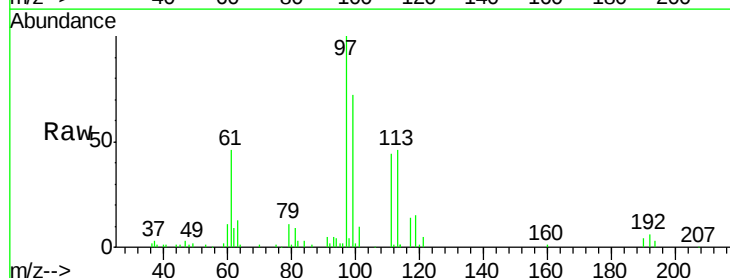
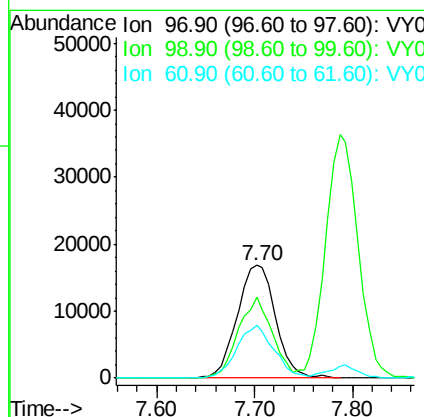
RT: 7.70 min Scan# 1003

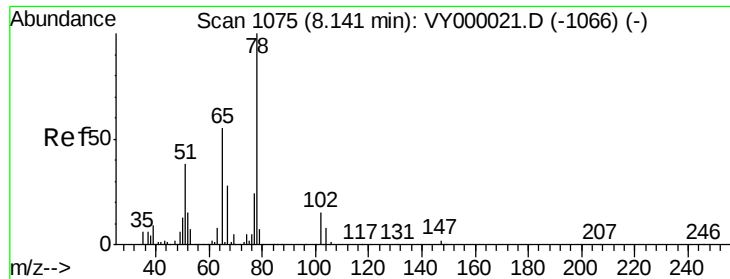
Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Tgt Ion:	97	Resp:	45648
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.6
61	45.2	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 20.113 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 30232

Ion Ratio Lower Upper

65 100

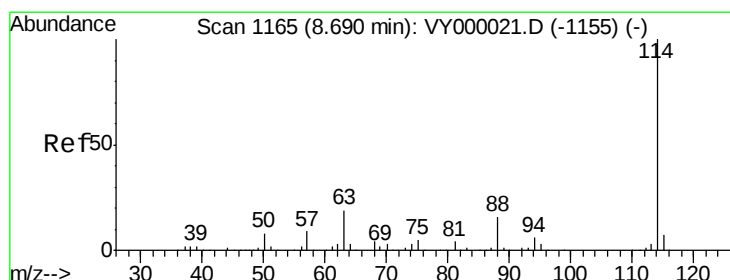
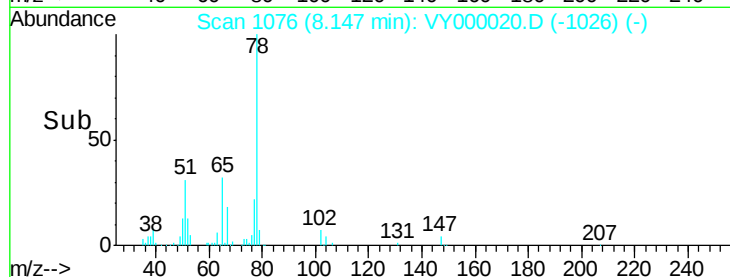
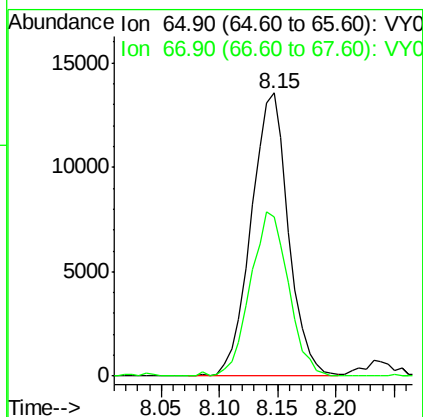
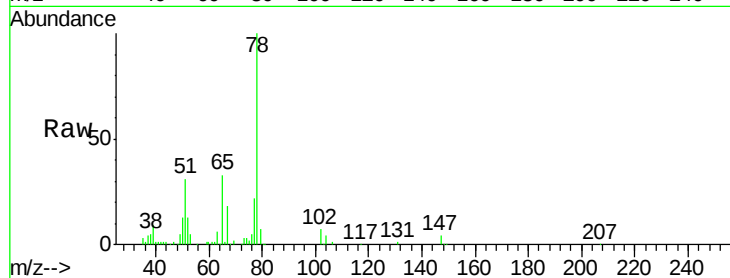
67 59.6 0.0 104.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

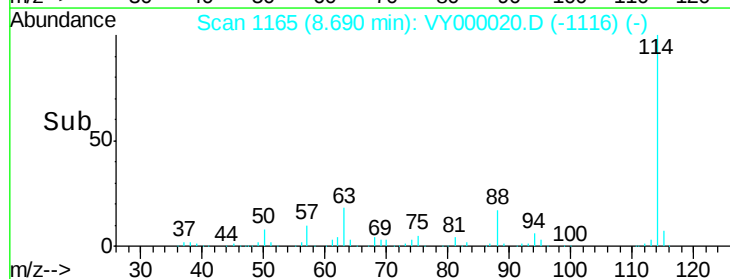
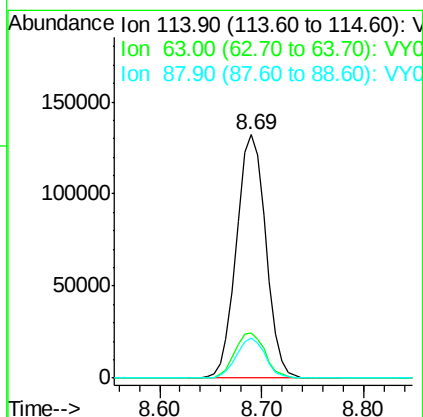
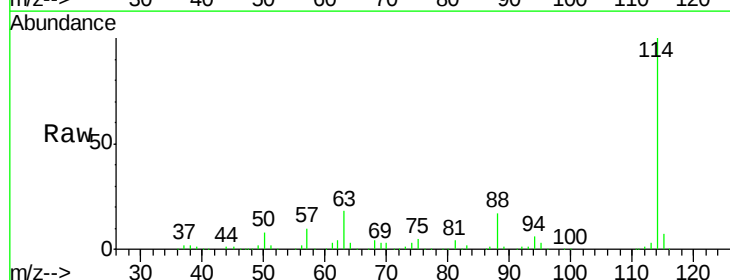
Tgt Ion: 114 Resp: 263314

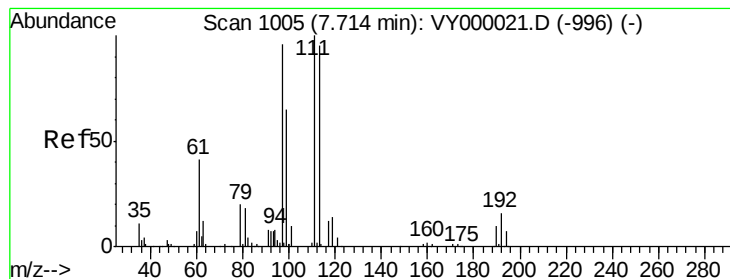
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.6

88 16.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 21.490 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

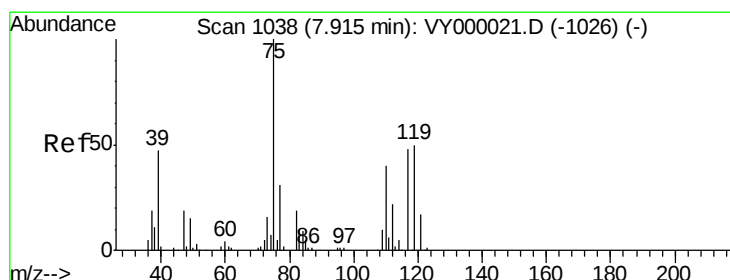
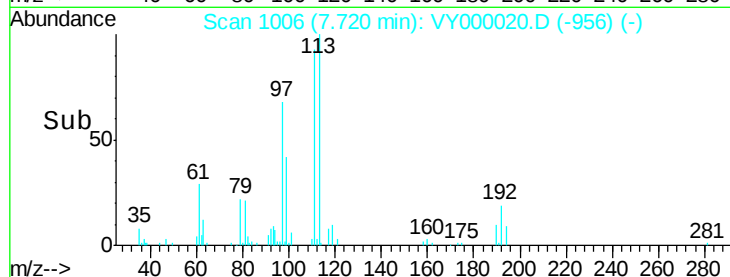
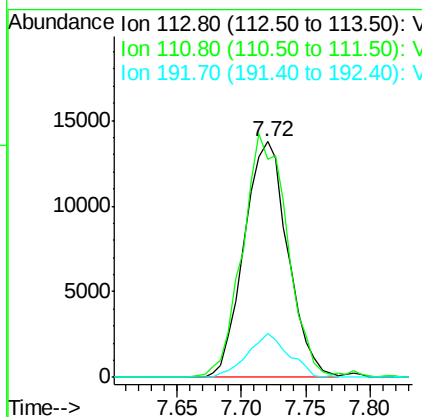
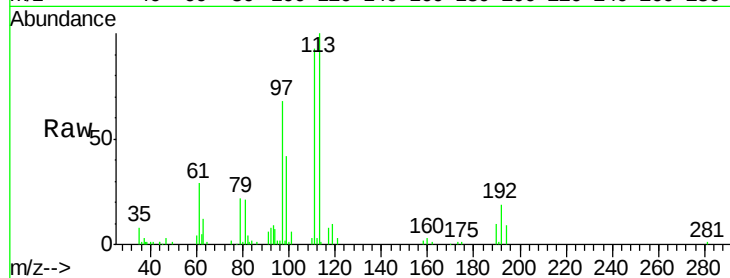
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	32463
Ion	Ratio	Lower	Upper
113	100		
111	105.5	83.9	125.9
192	17.4	14.5	21.7

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#36

1,1-Dichloropropene

Concen: 21.063 ug/l

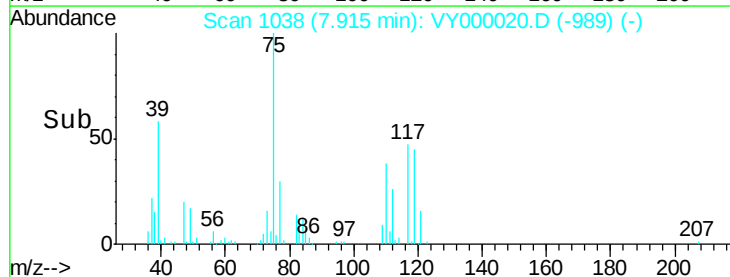
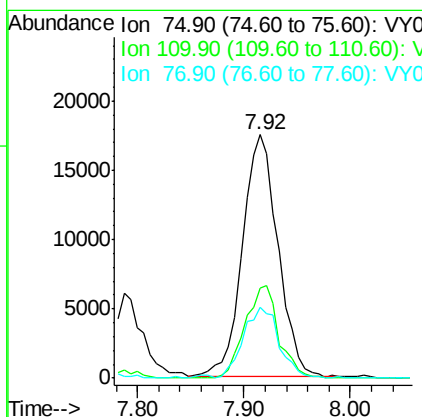
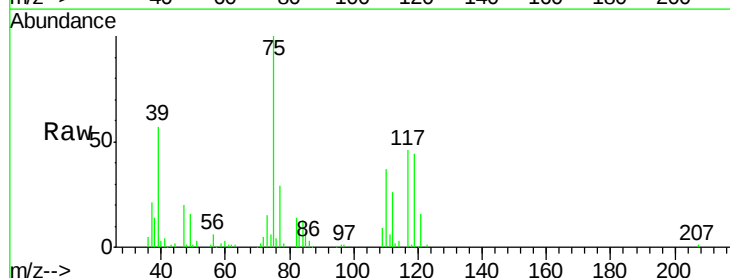
RT: 7.92 min Scan# 1038

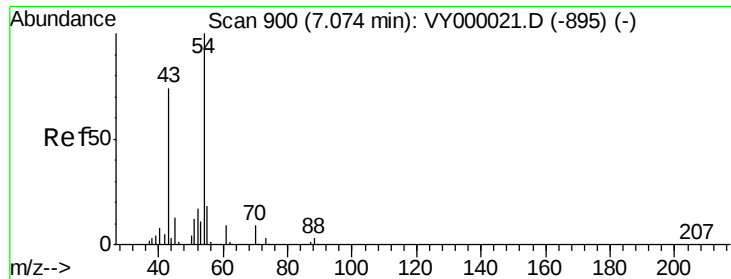
Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Tgt Ion:	75	Resp:	40721
Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.6	55.8
77	29.7	24.4	36.6





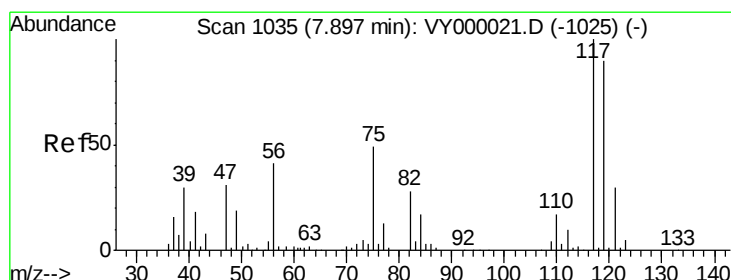
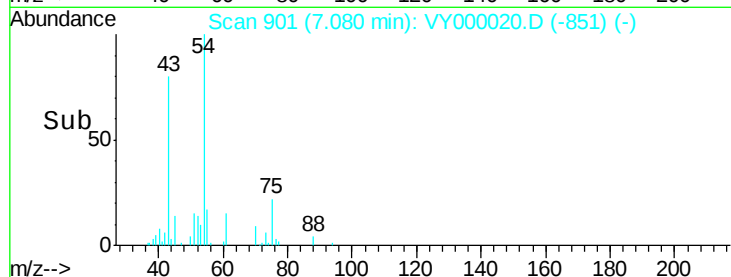
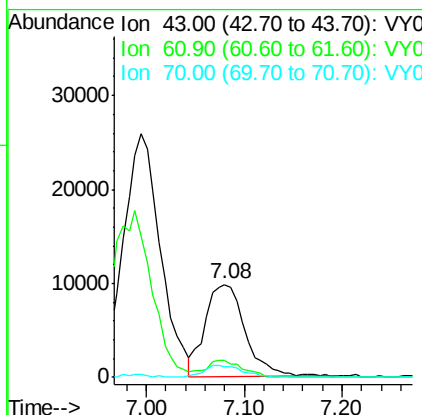
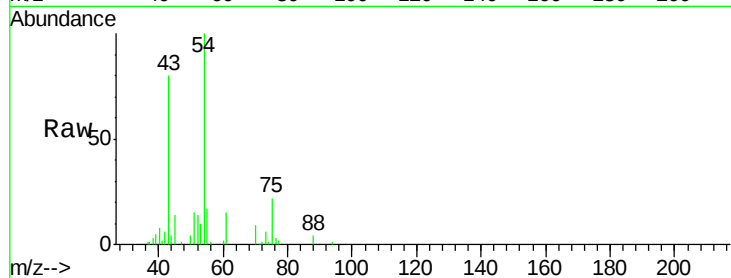
#37
Ethyl Acetate
Concen: 21.397 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.6	13.1	19.7
70	12.8	10.9	16.3

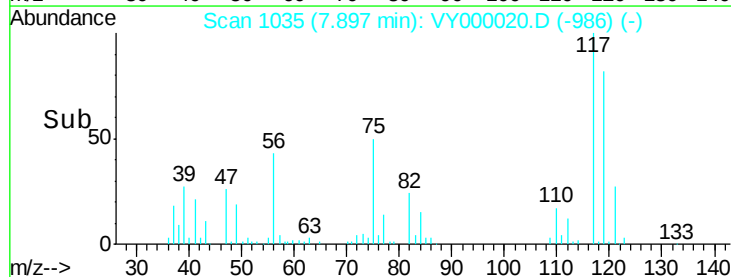
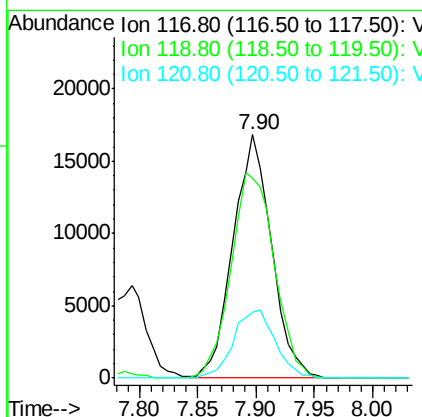
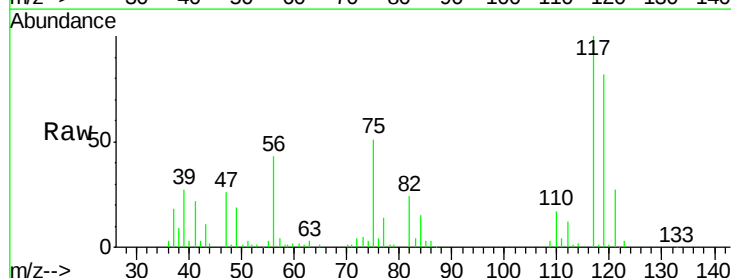
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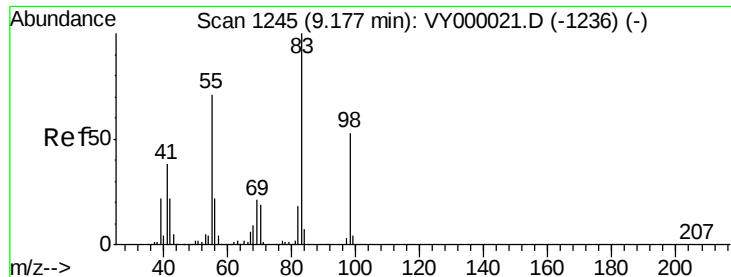
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#38
Carbon Tetrachloride
Concen: 21.288 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	81.9	72.1	108.1
121	26.8	23.9	35.9





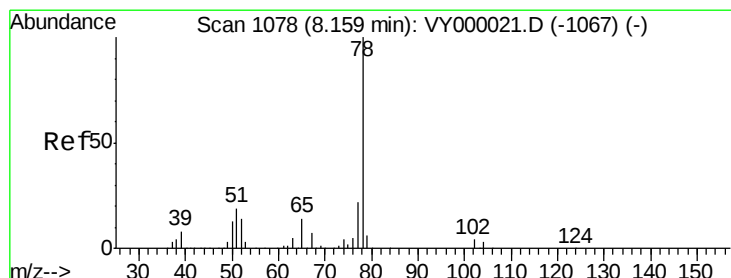
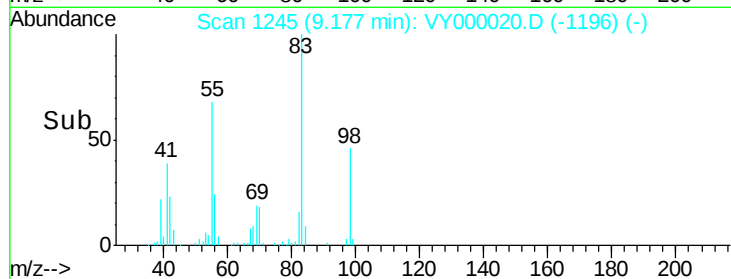
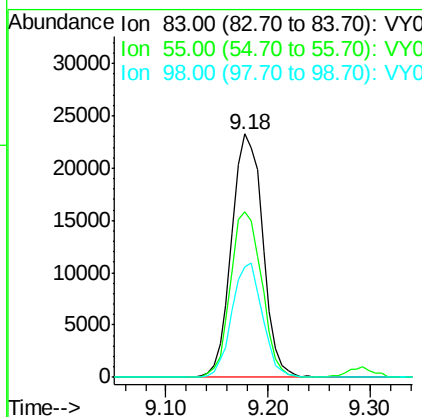
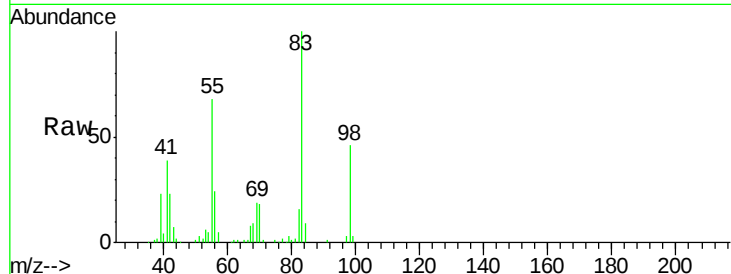
#39
Methvlcvclohexane
Concen: 20.614 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	49239		
55	67.9		57.0	85.4
98	45.6		42.0	63.0

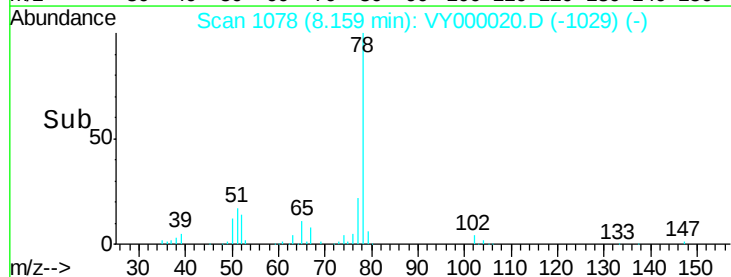
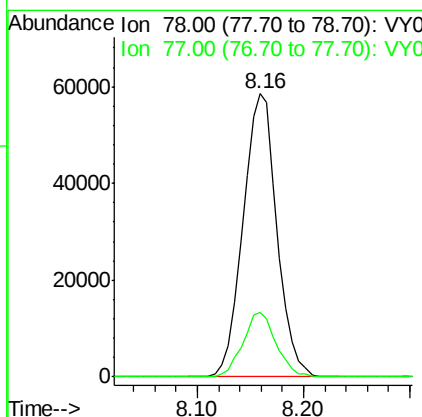
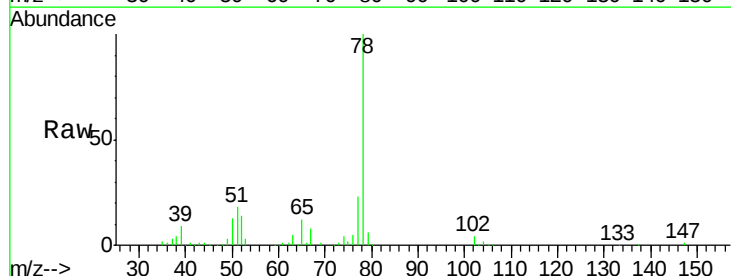
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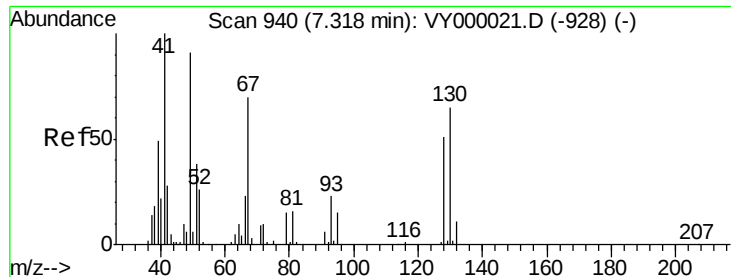
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#40
Benzene
Concen: 20.674 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	130128		
77	22.8		17.8	26.6





#41

Methacrylonitrile

Concen: 9.232 ug/l m

RT: 7.32 min Scan# 941

Delta R.T. 0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 15631

Ion Ratio Lower Upper

41 100

39 59.2 41.8 62.6

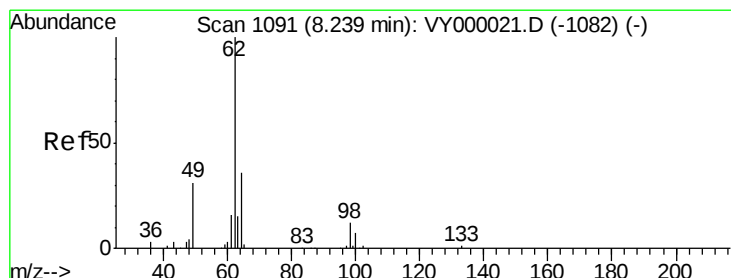
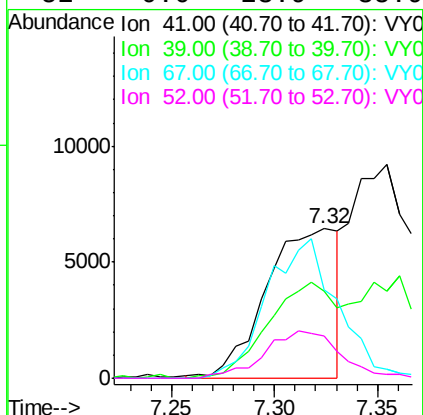
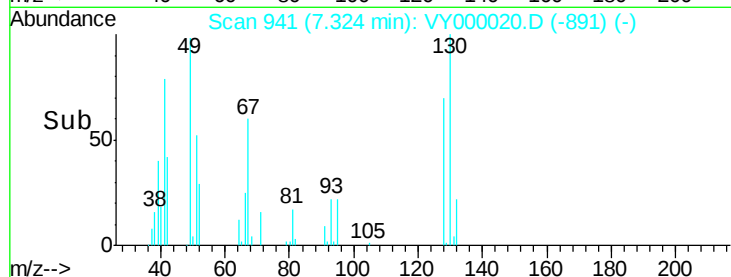
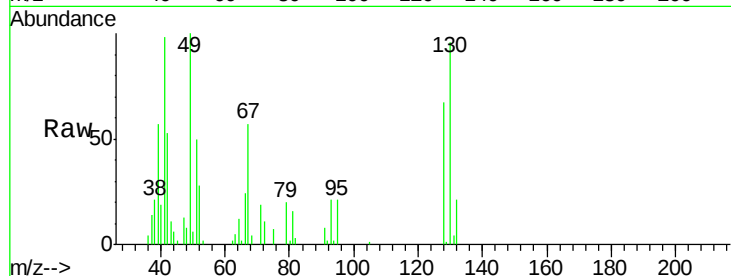
67 0.0 65.8 98.6#

52 0.0 23.9 35.9#

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MMDadoda

9/13/2019 11:53:52 PM



#42

1,2-Dichloroethane

Concen: 20.984 ug/l

RT: 8.24 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VY000020.D

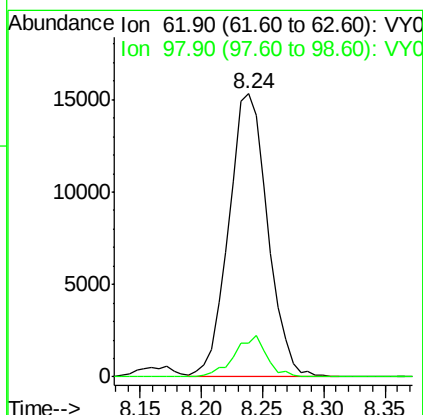
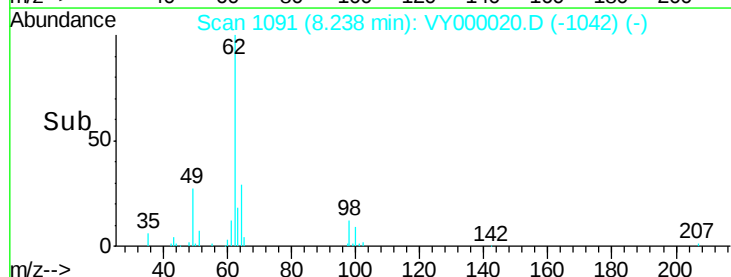
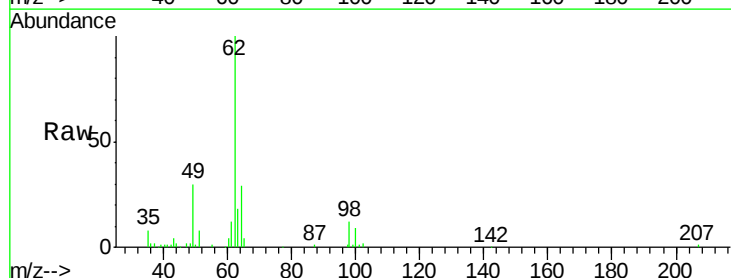
Acq: 12 Sep 2019 11:54

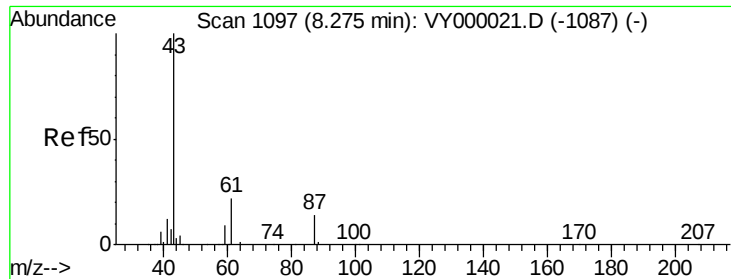
Tgt Ion: 62 Resp: 33753

Ion Ratio Lower Upper

62 100

98 12.2 0.0 23.2





#43

Isopropyl Acetate

Concen: 20.570 ug/l

RT: 8.27 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

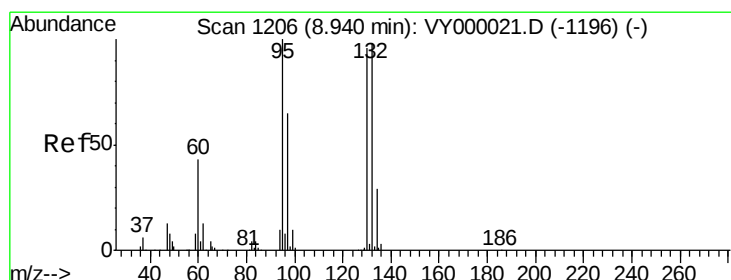
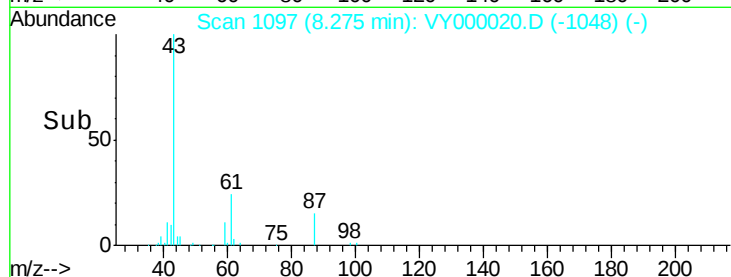
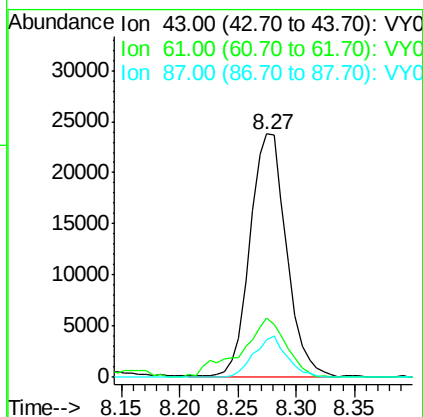
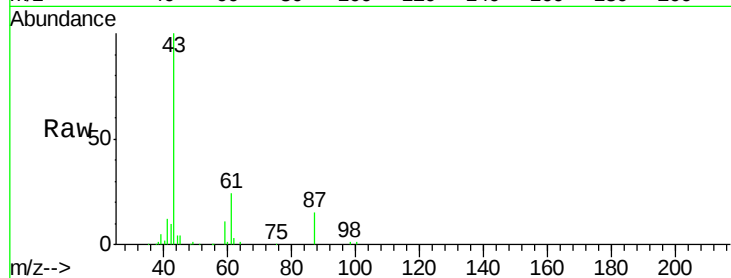
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	51967
Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.9	37.3
87	15.3	12.3	18.5

Manual Integrations
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#44

Trichloroethene

Concen: 20.723 ug/l

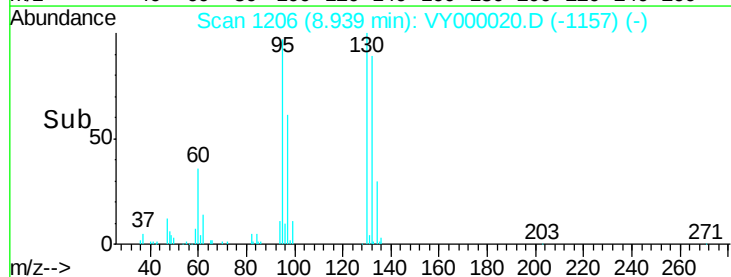
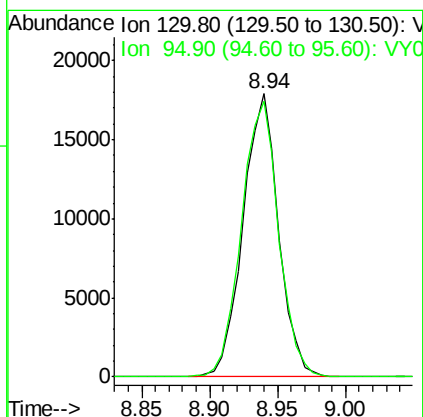
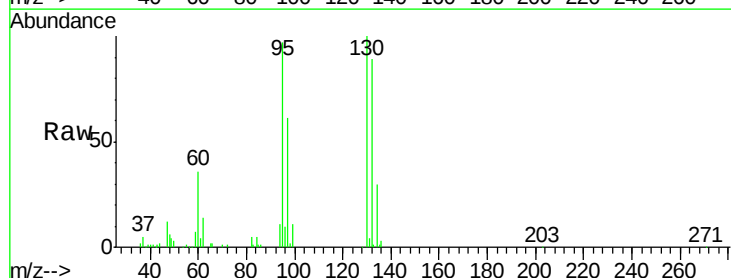
RT: 8.94 min Scan# 1206

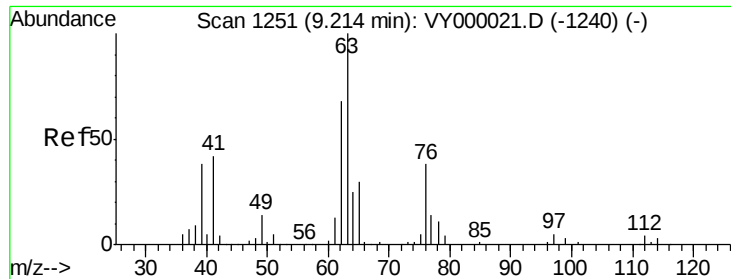
Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Tgt Ion:	130	Resp:	32568
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	207.4





#45

1,2-Dichloropropane

Concen: 19.892 ug/l

RT: 9.21 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 32284

Ion Ratio Lower Upper

63 100

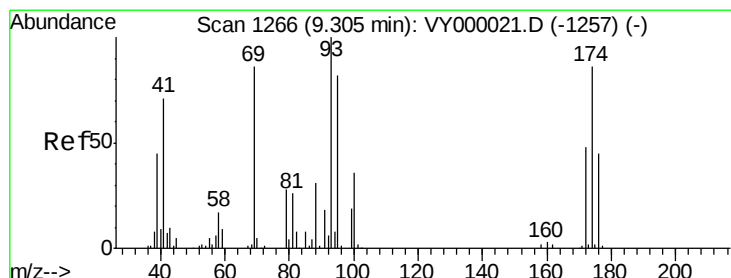
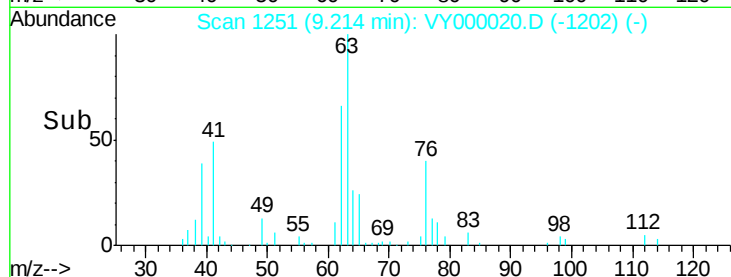
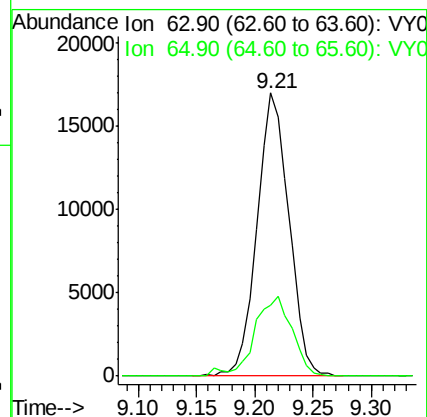
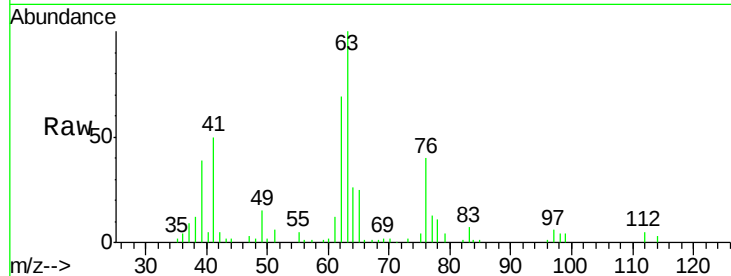
65 25.2 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 20.844 ug/l

RT: 9.31 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

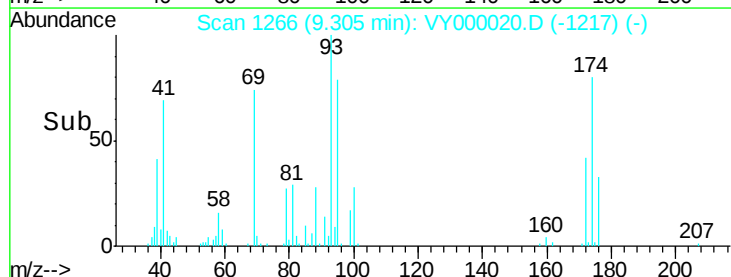
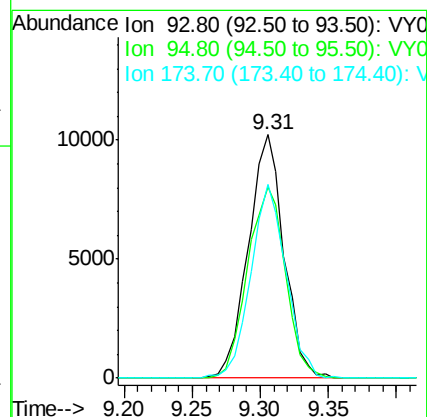
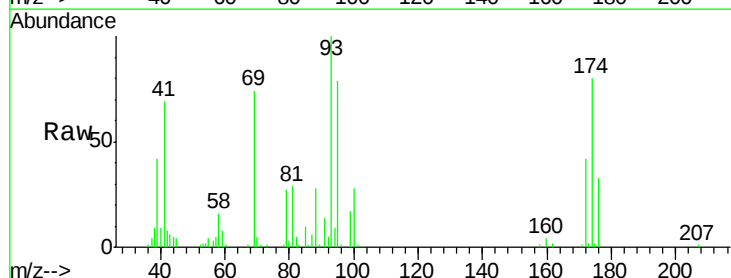
Tgt Ion: 93 Resp: 18775

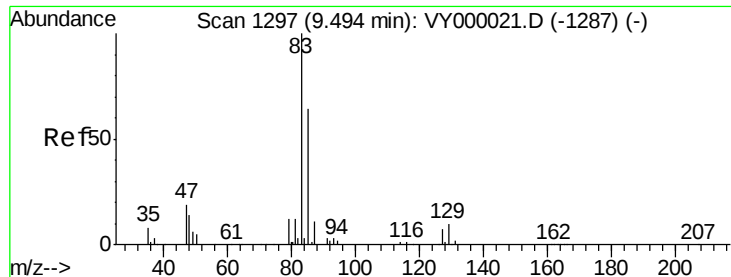
Ion Ratio Lower Upper

93 100

95 83.1 67.0 100.6

174 78.8 68.8 103.2





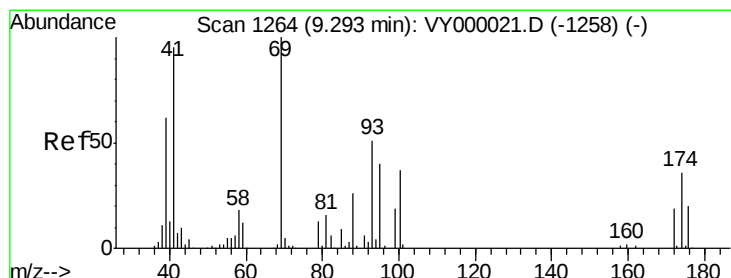
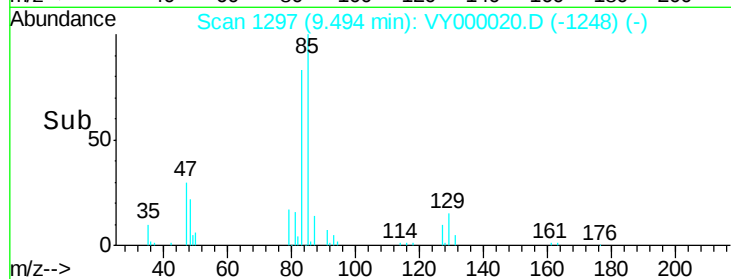
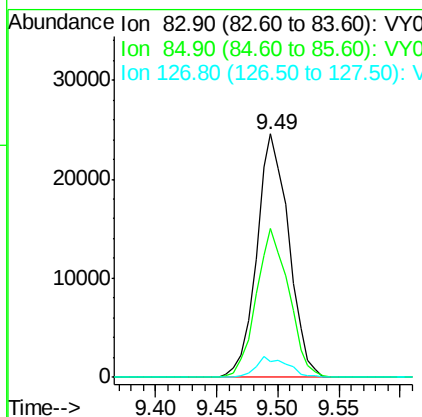
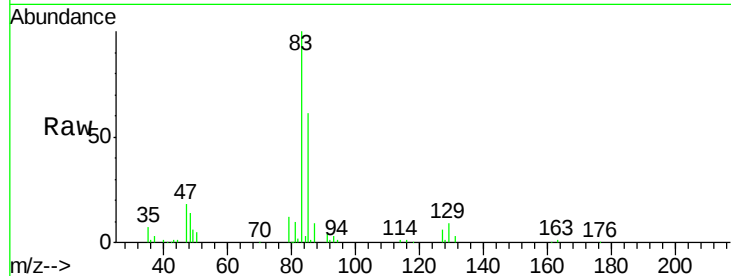
#47
Bromodichloromethane
Concen: 20.803 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	44731		
85	61.4		51.4	77.2
127	6.3		5.4	8.2

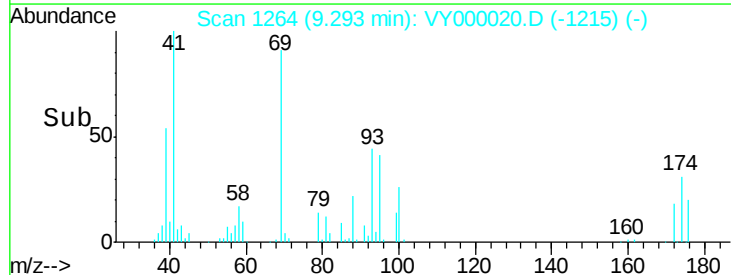
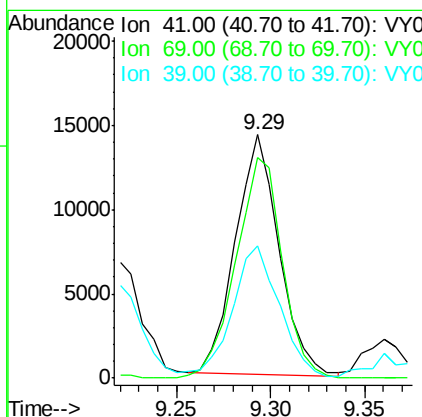
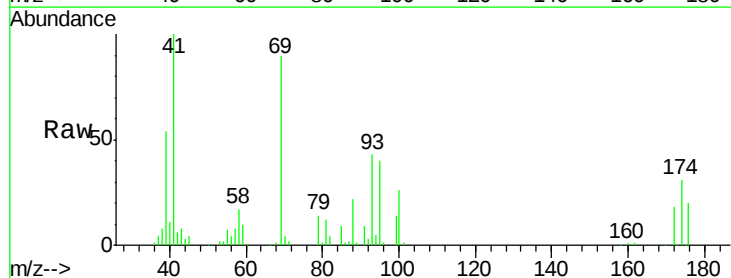
Manual Integrations
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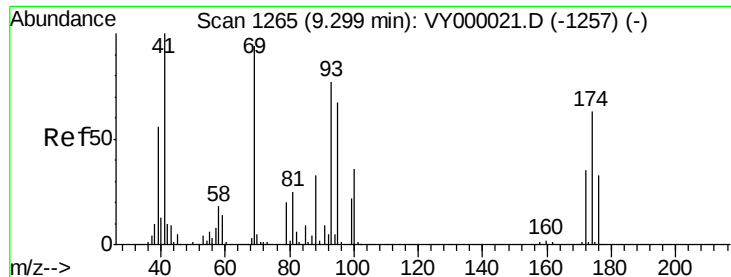
MMDadoda
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#48
Methyl methacrylate
Concen: 20.499 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	22852		
69	97.6		79.7	119.5
39	60.5		48.6	72.8





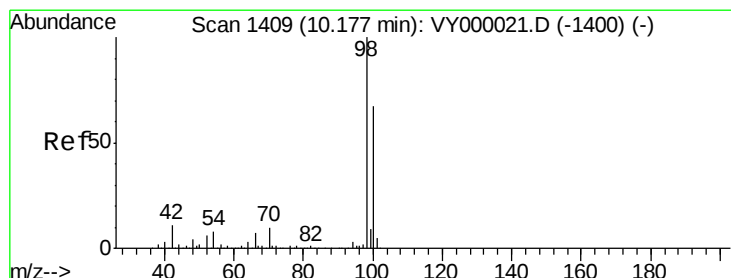
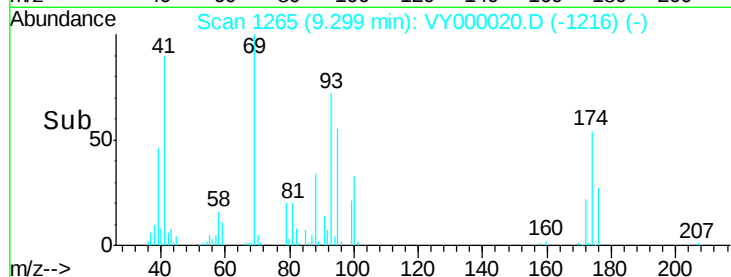
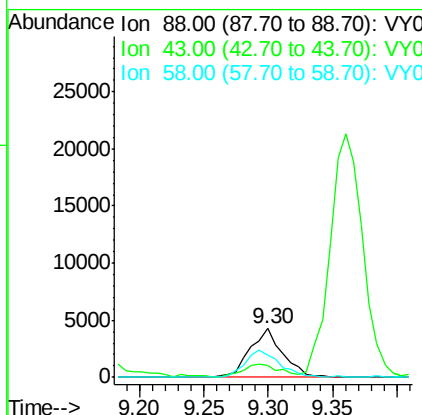
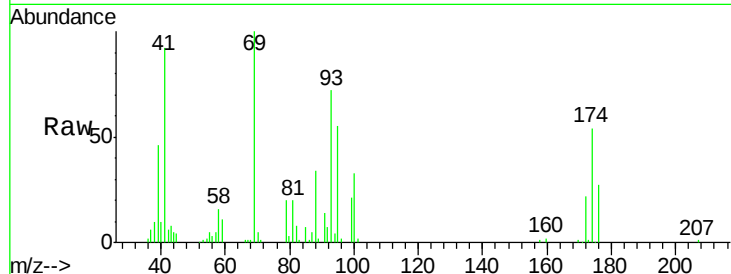
#49
1,4-Dioxane
Concen: 395.950 ug/l
RT: 9.30 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion	88	Resp	7469
Ion	Ratio	Lower	Upper
88	100		
43	31.2	24.6	37.0
58	58.3	52.7	79.1

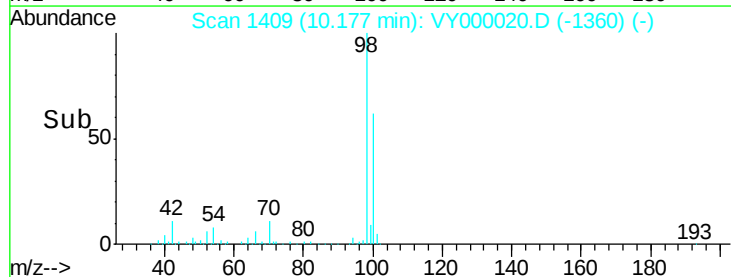
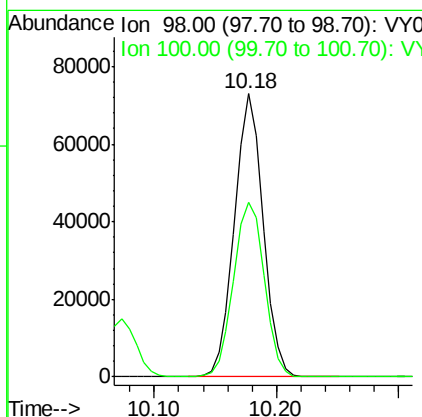
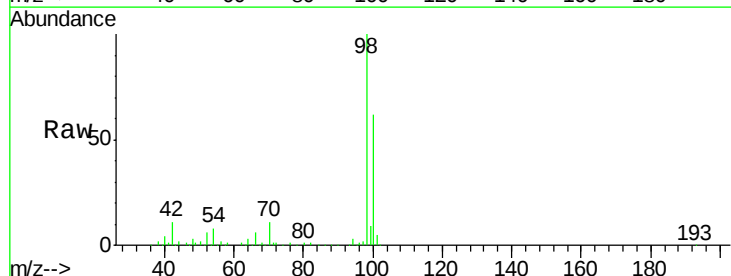
Manual Integrations
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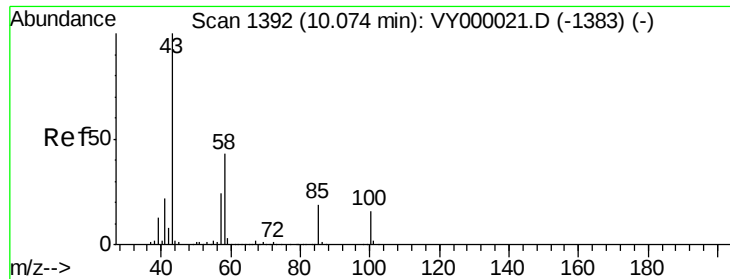
MMDadoda
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#50
Toluene-d8
Concen: 19.484 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	98	Resp	118504
Ion	Ratio	Lower	Upper
98	100		
100	66.1	54.0	81.0





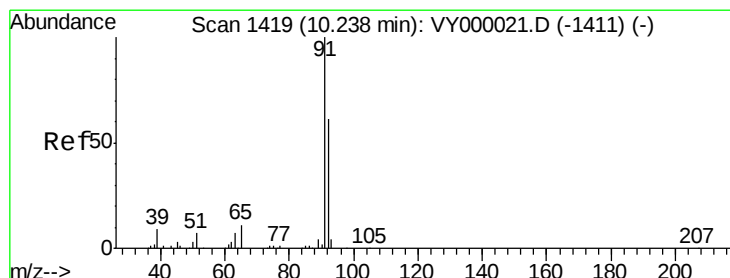
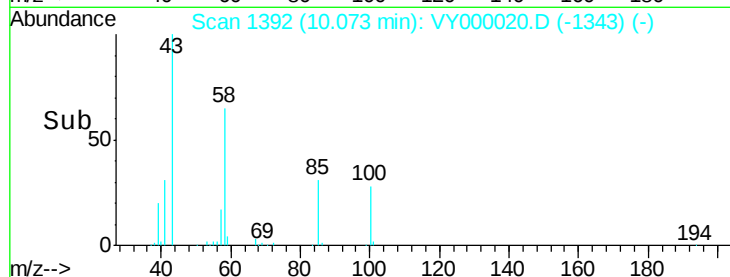
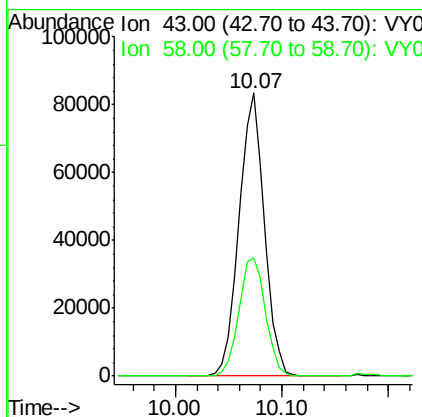
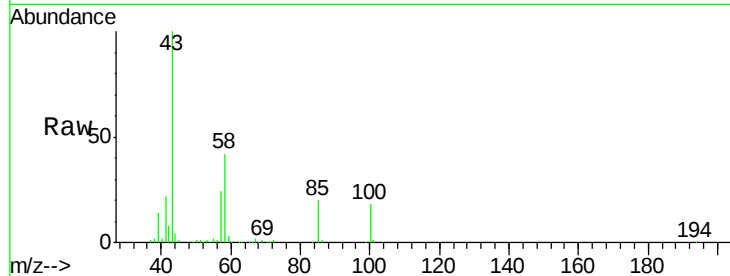
#51
4-Methyl-2-Pentanone
Concen: 98.326 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 139190
Ion Ratio Lower Upper
43 100
58 43.7 34.1 51.1

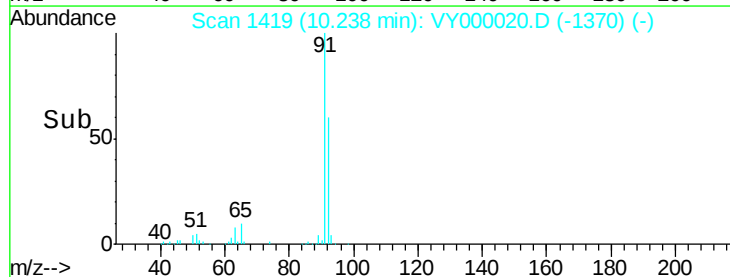
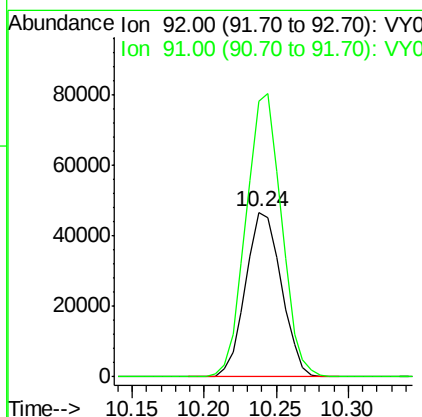
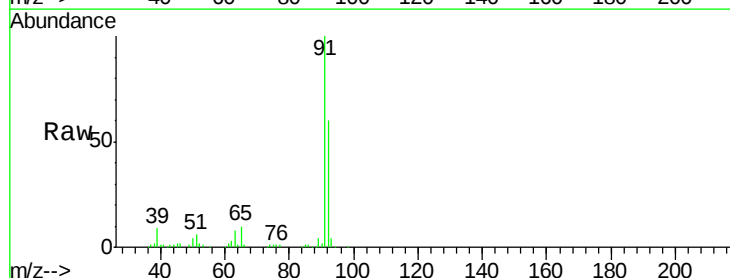
Manual Integrations
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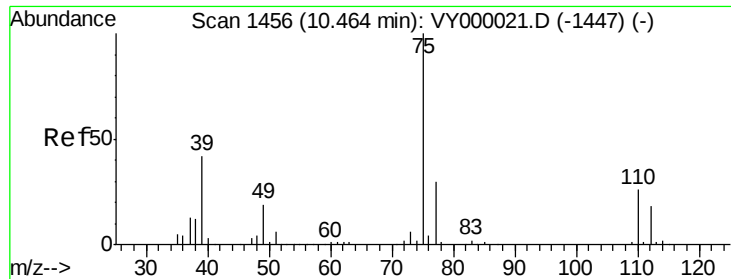
MMDadoda
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#52
Toluene
Concen: 20.299 ug/l
RT: 10.24 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion: 92 Resp: 80285
Ion Ratio Lower Upper
92 100
91 170.4 136.4 204.6





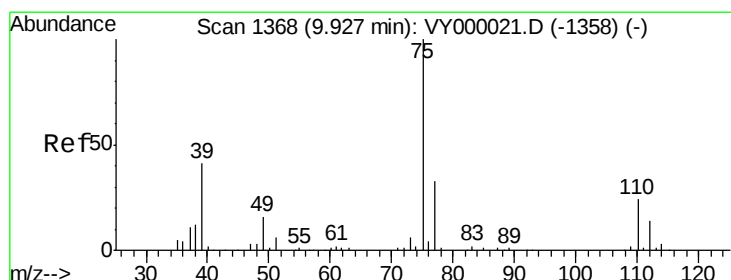
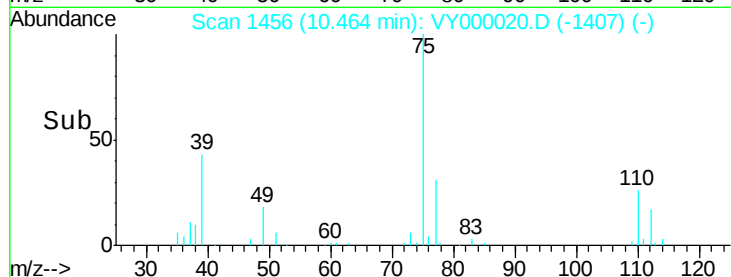
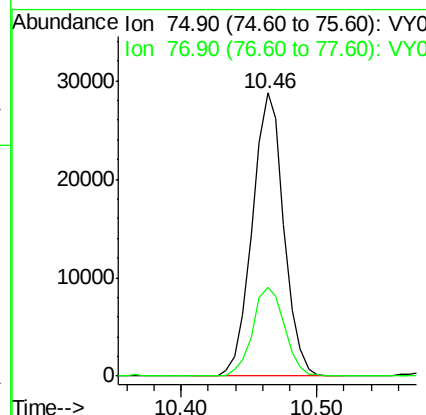
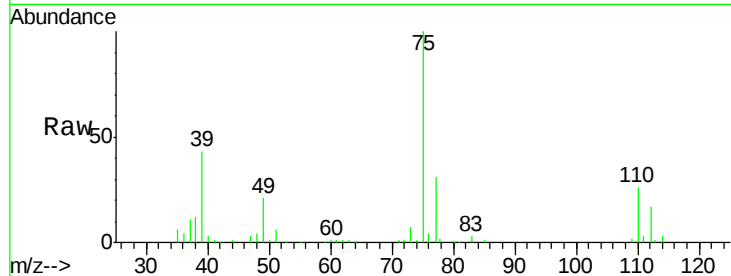
#53
t-1,3-Dichloropropene
Concen: 20.679 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 46750
Ion Ratio Lower Upper
75 100
77 31.5 23.8 35.8

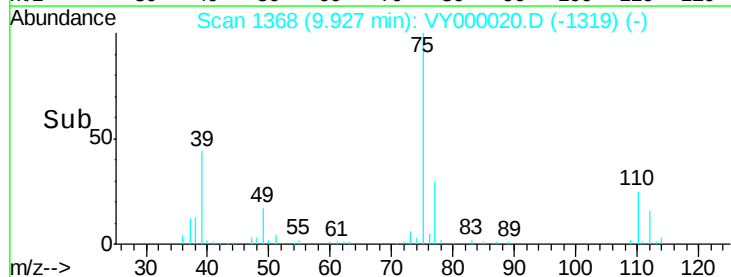
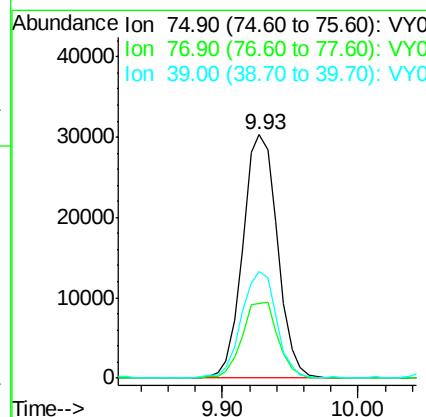
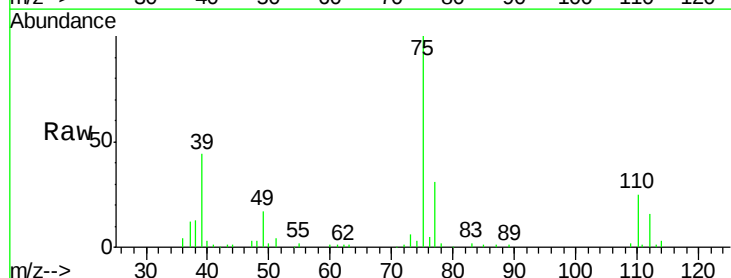
Manual Integrations
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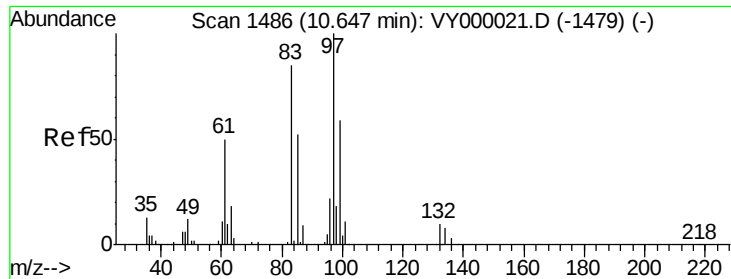
MMDadoda
9/13/2019 11:53:52 PM



#54
cis-1,3-Dichloropropene
Concen: 20.494 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion: 75 Resp: 53911
Ion Ratio Lower Upper
75 100
77 30.6 26.3 39.5
39 43.9 32.9 49.3





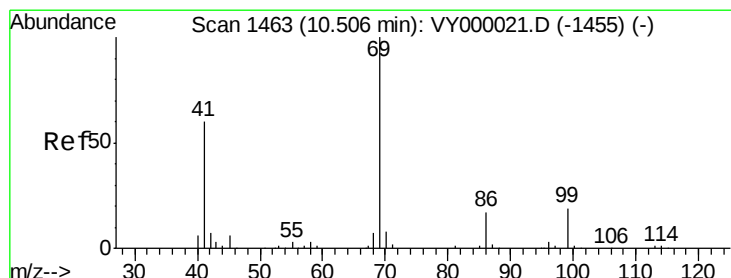
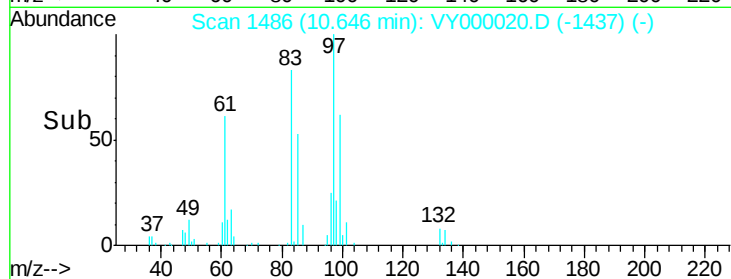
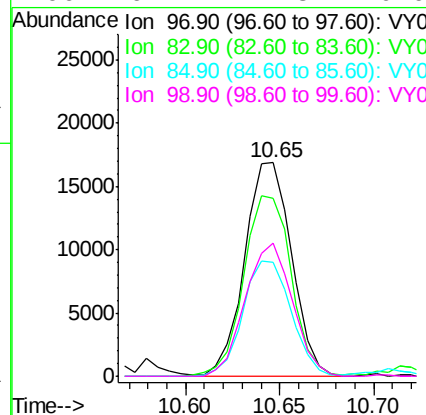
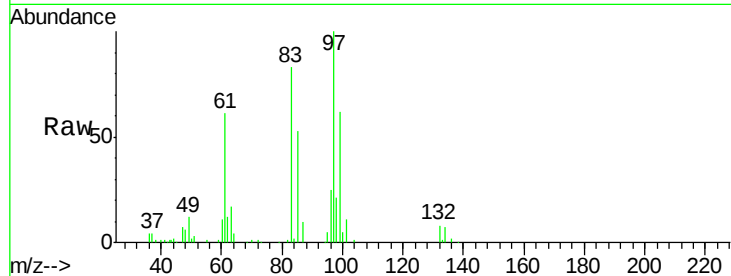
#55
 1,1,2-Trichloroethane
 Concen: 20.460 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	29205
Ion	Ratio	Lower	Upper
97	100		
83	82.7	68.2	102.2
85	53.4	41.7	62.5
99	62.4	47.3	70.9

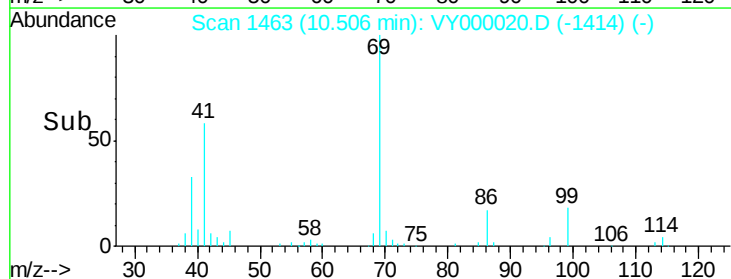
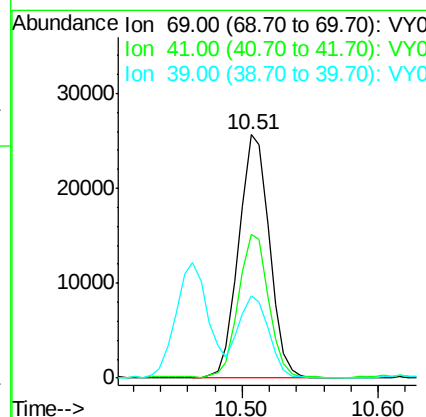
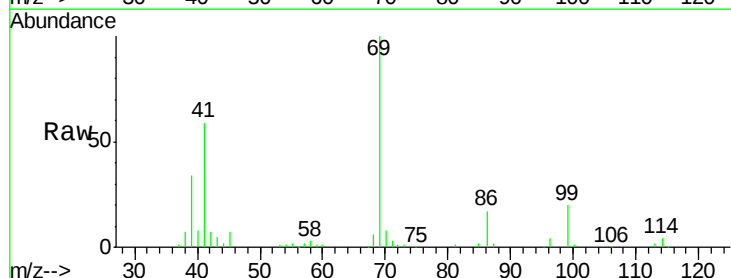
Manual Integrations
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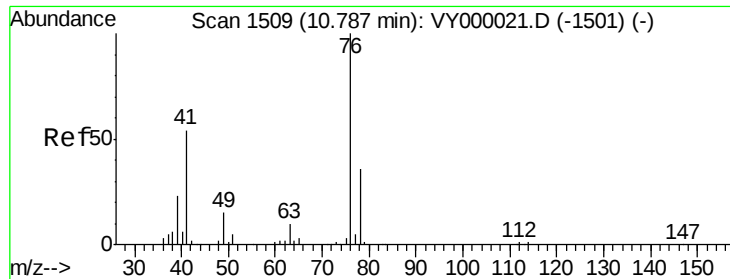
MMDadoda
 9/13/2019 11:53:52 PM



#56
 Ethyl methacrylate
 Concen: 20.234 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Tgt Ion:	69	Resp:	40534
Ion	Ratio	Lower	Upper
69	100		
41	57.3	47.0	70.4
39	33.4	26.4	39.6





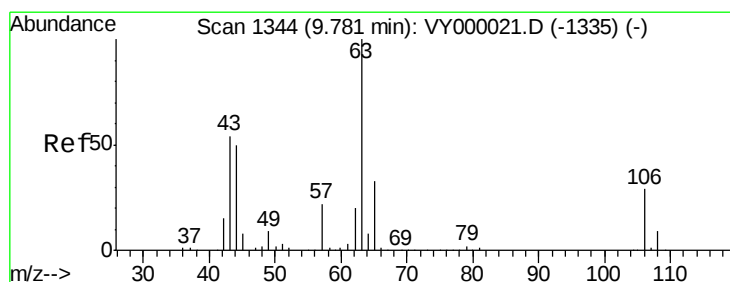
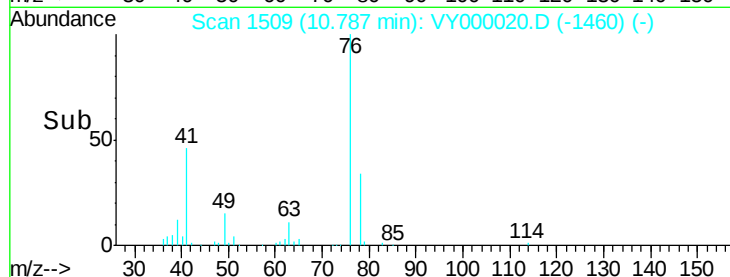
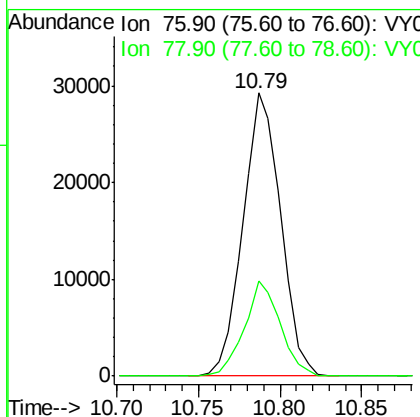
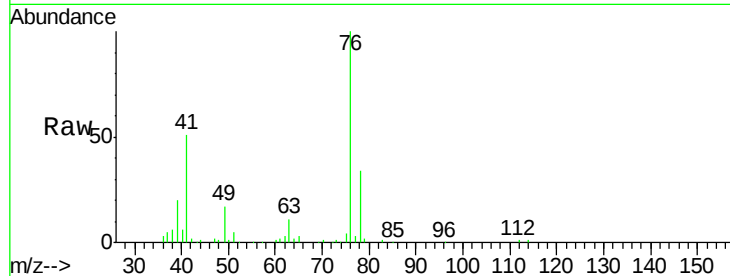
#57
 1,3-Dichloropropane
 Concen: 20.572 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 46961
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0

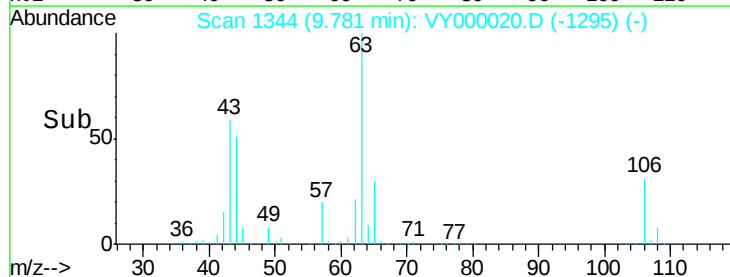
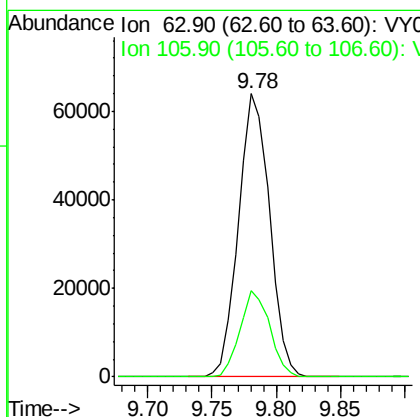
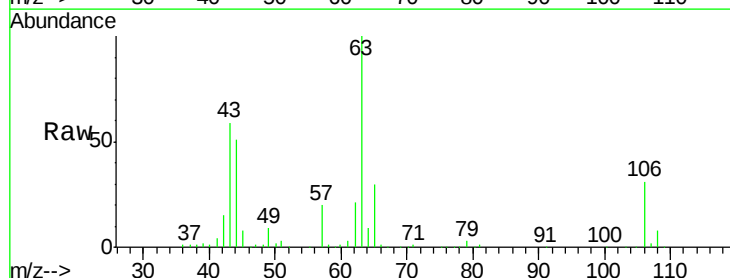
Manual Integrations
 APPROVED

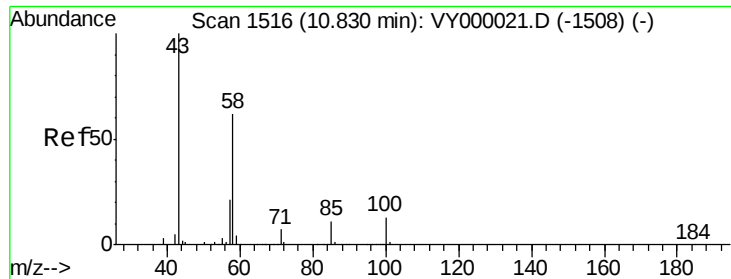
MMDadoda
 9/13/2019 11:53:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.371 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Tgt Ion: 63 Resp: 106847
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.7 35.5





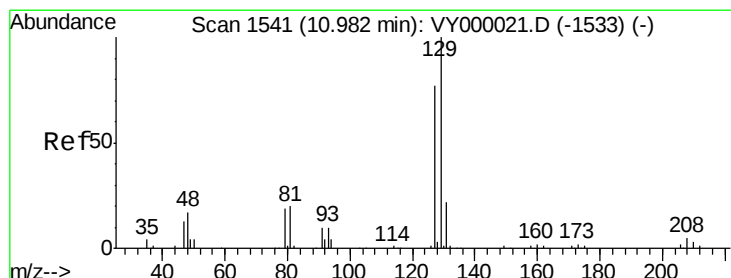
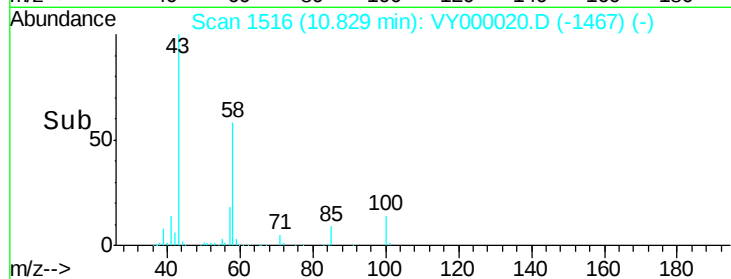
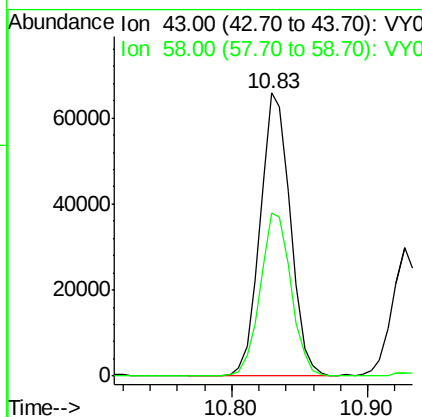
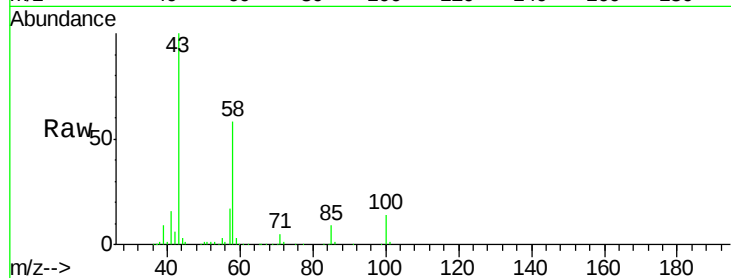
#59
2-Hexanone
Concen: 100.657 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	102682
Ion Ratio	43	100	
Lower	58	58.8	30.3
Upper			90.8

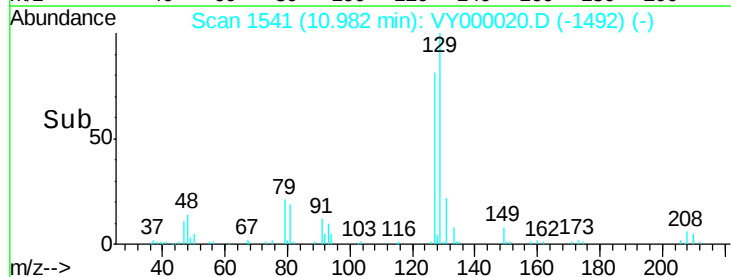
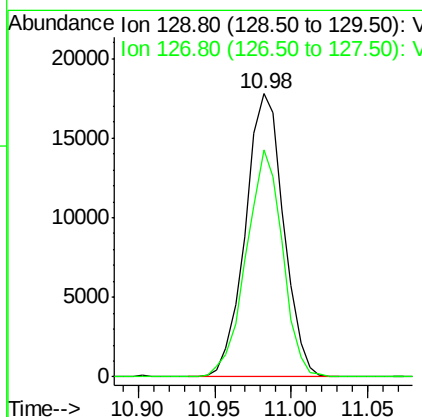
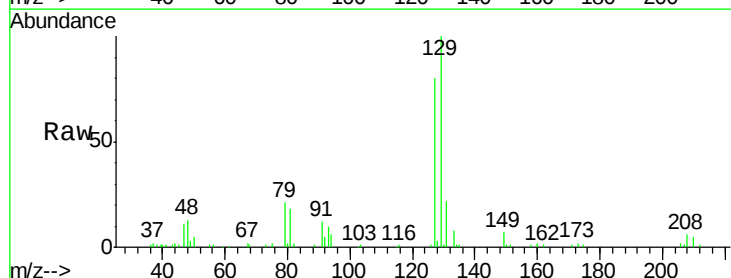
Manual Integrations
APPROVED

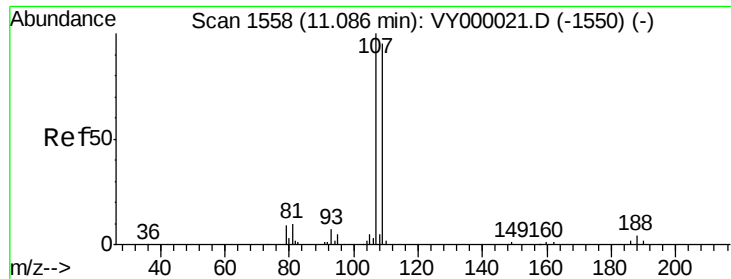
MMDadoda
9/13/2019 11:53:52 PM



#60
Dibromochloromethane
Concen: 20.528 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	129	Resp	30874
Ion Ratio	129	100	
Lower	127	76.1	38.4
Upper			115.2





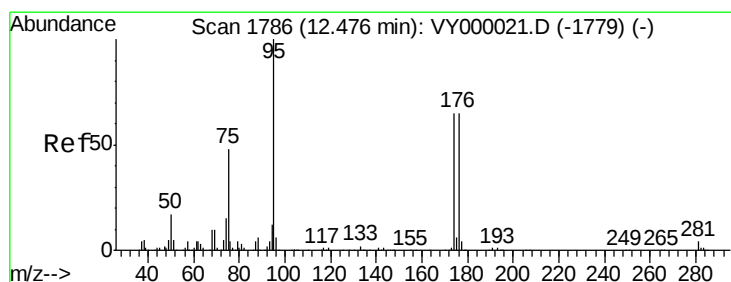
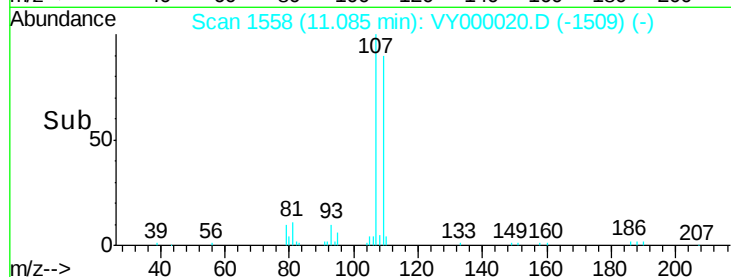
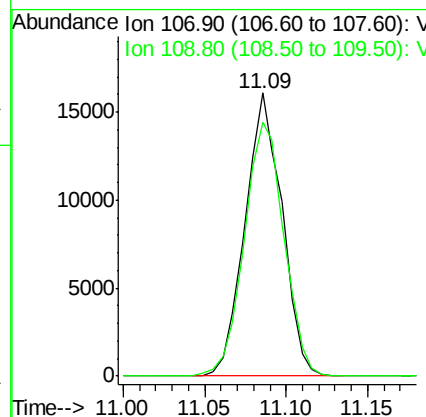
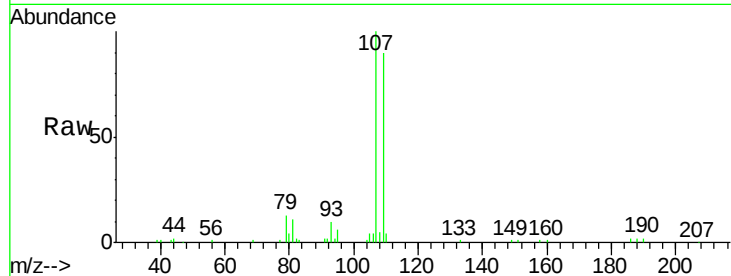
#61
 1,2-Dibromoethane
 Concen: 20.204 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 25472
 Ion Ratio Lower Upper
 107 100
 109 96.0 76.7 115.1

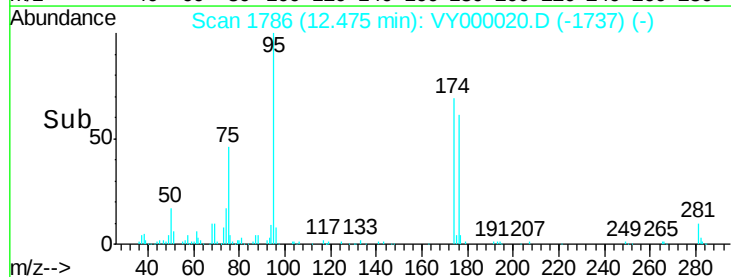
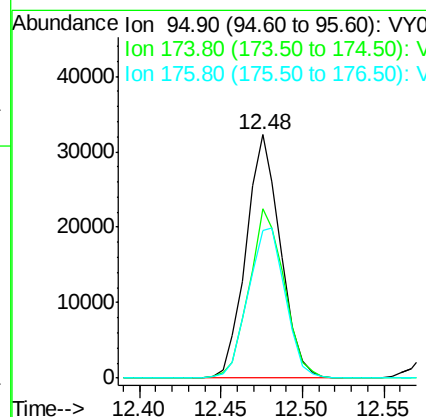
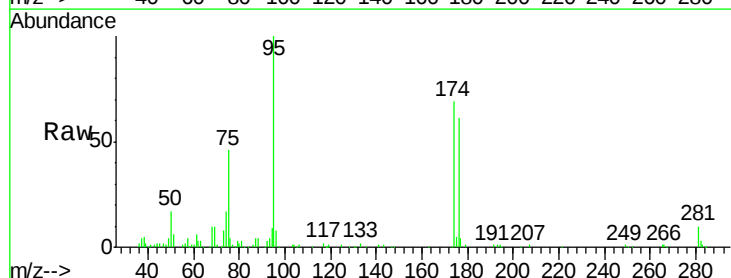
Manual Integrations
 APPROVED

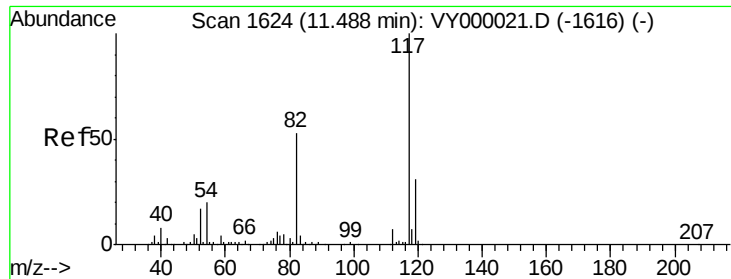
MMDadoda
 9/13/2019 11:53:52 PM



#62
 4-Bromofluorobenzene
 Concen: 21.381 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Tgt Ion: 95 Resp: 47266
 Ion Ratio Lower Upper
 95 100
 174 71.0 0.0 137.6
 176 66.8 0.0 134.8





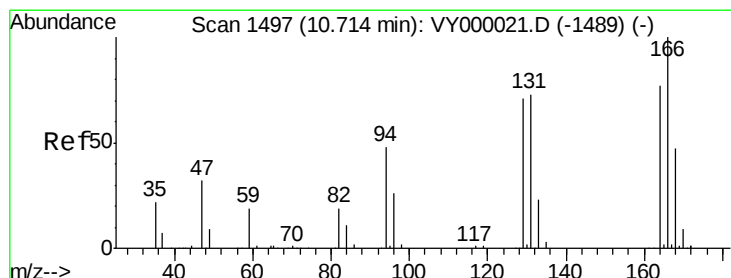
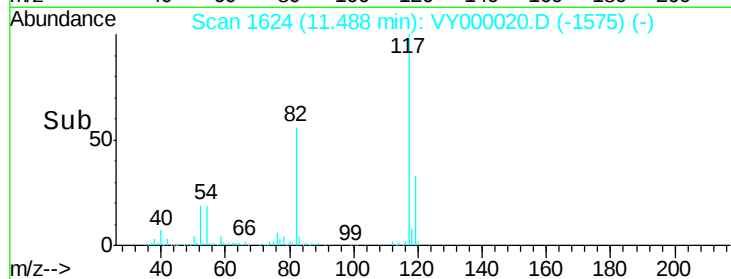
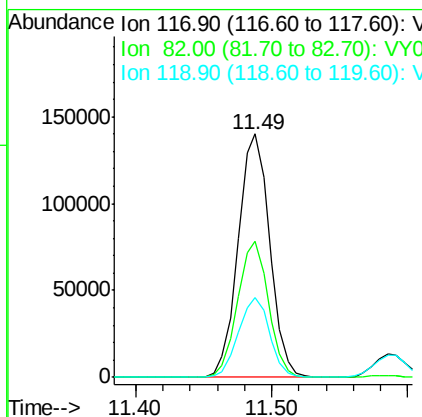
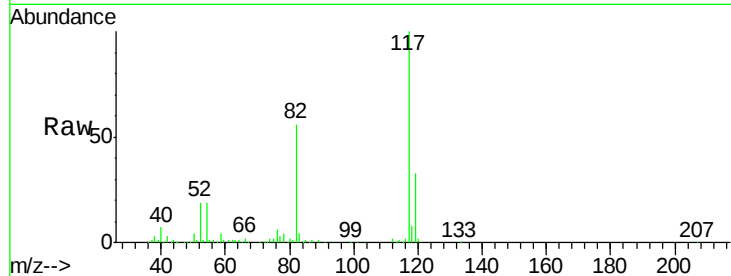
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	226720		
82	55.8	42.5	63.7	
119	32.9	25.1	37.7	

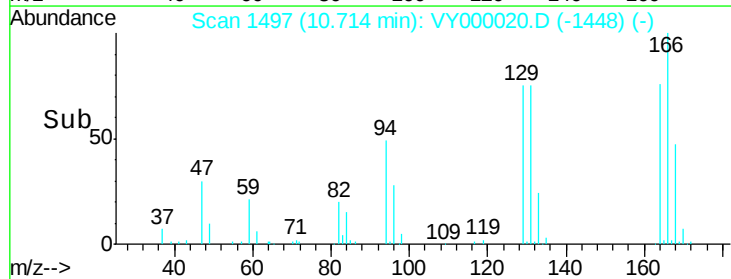
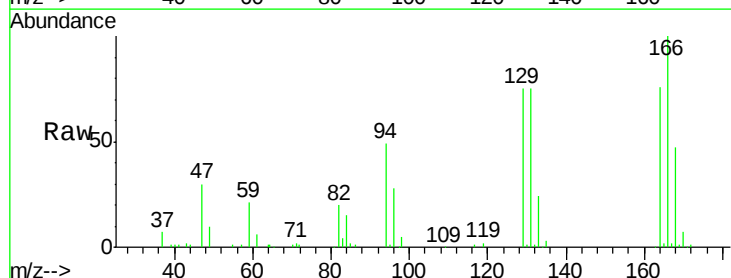
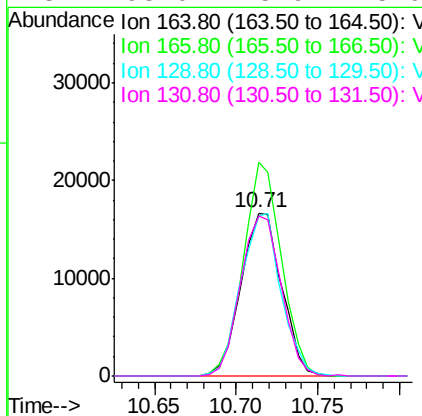
Manual Integrations
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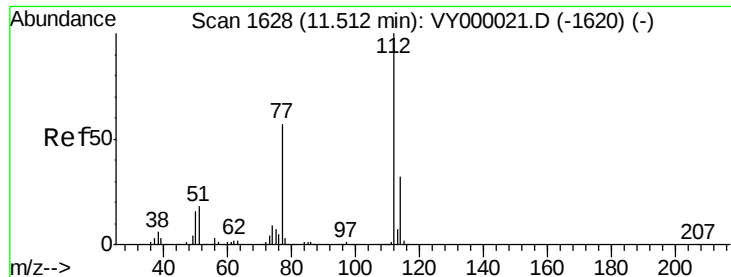
MMDadoda
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#64
Tetrachloroethene
Concen: 20.738 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	28833		
166	131.2	103.4	155.0	
129	98.4	73.4	110.0	
131	98.0	75.9	113.9	





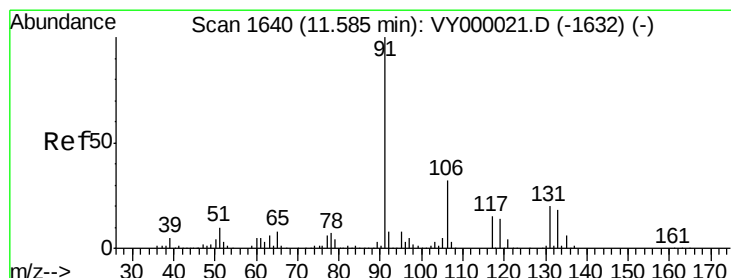
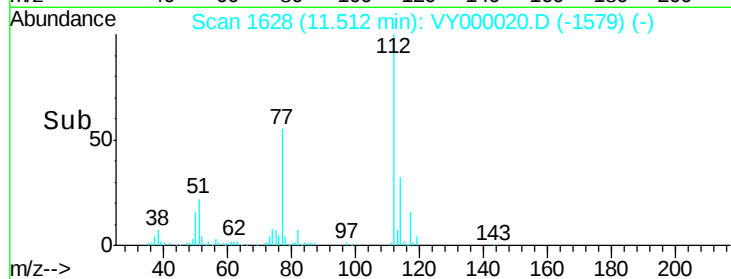
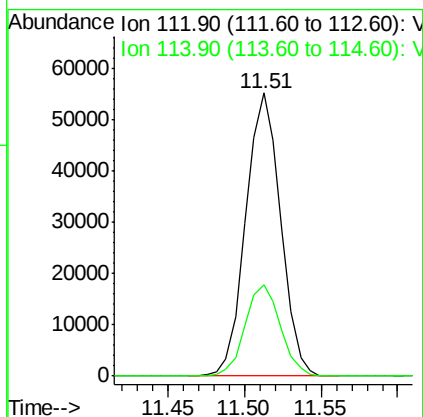
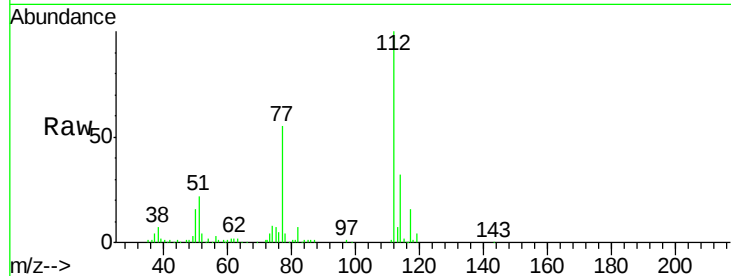
#65
Chlorobenzene
Concen: 20.274 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 87588
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

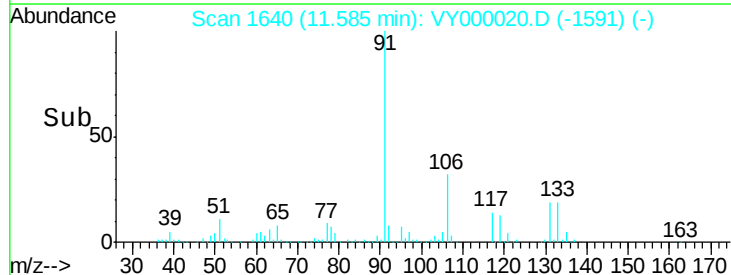
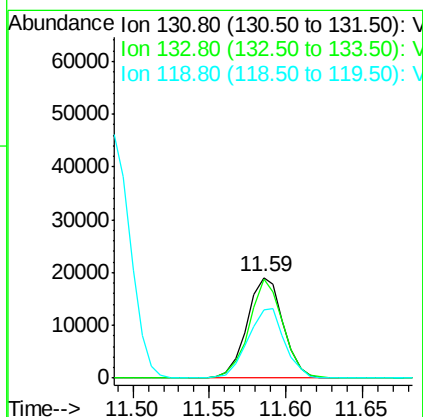
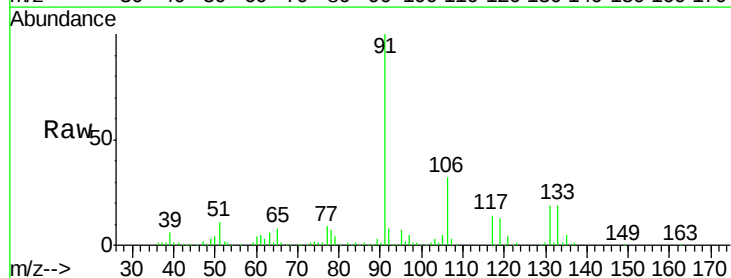
Manual Integrations
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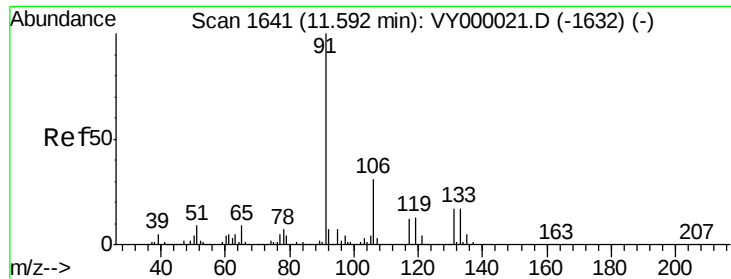
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.856 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion:131 Resp: 31220
Ion Ratio Lower Upper
131 100
133 92.0 47.2 141.6
119 69.6 35.4 106.3





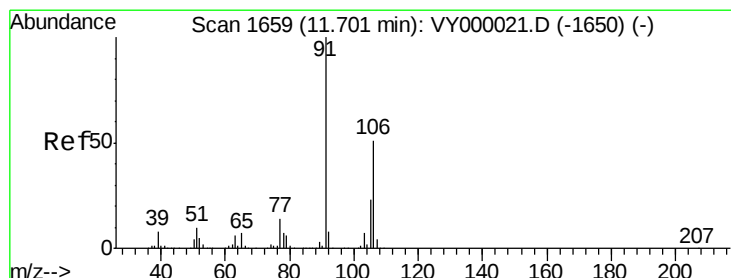
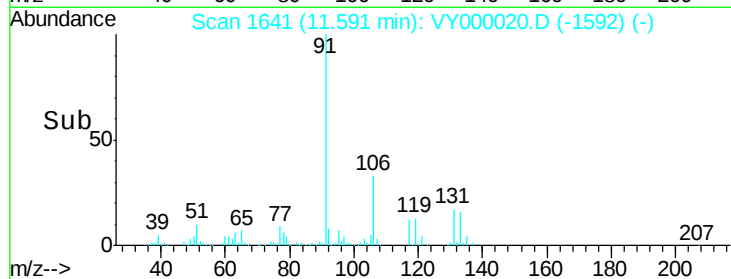
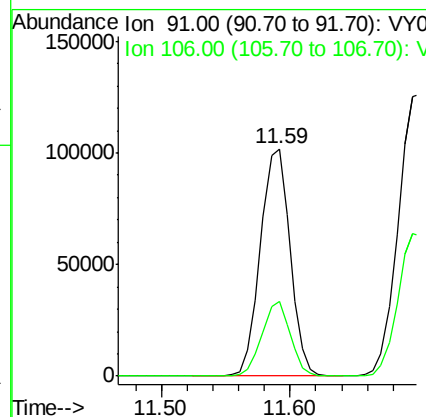
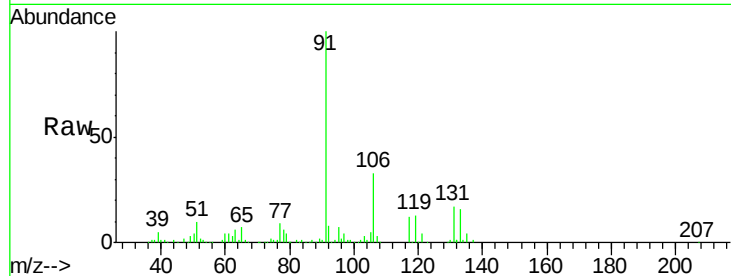
#67
Ethyl Benzene
Concen: 20.630 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 161908
Ion Ratio Lower Upper
91 100
106 33.0 24.6 37.0

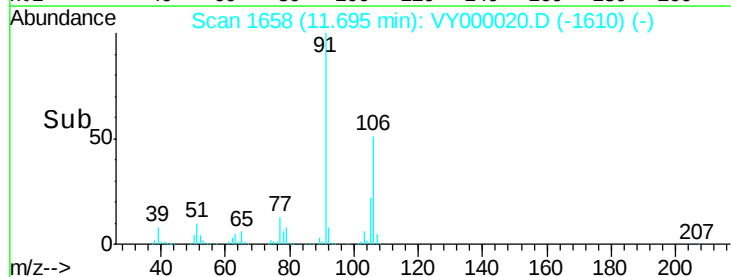
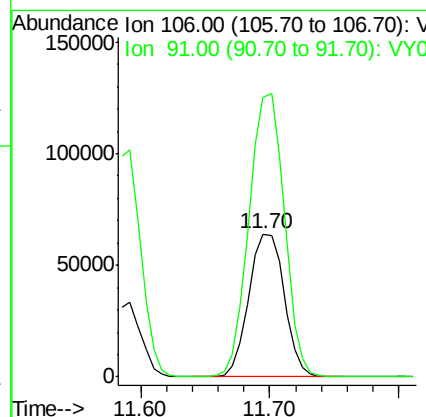
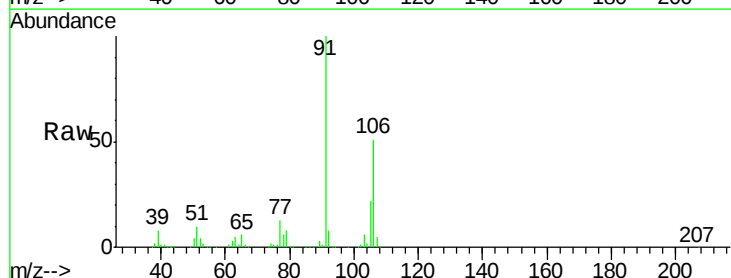
Manual Integrations
APPROVED

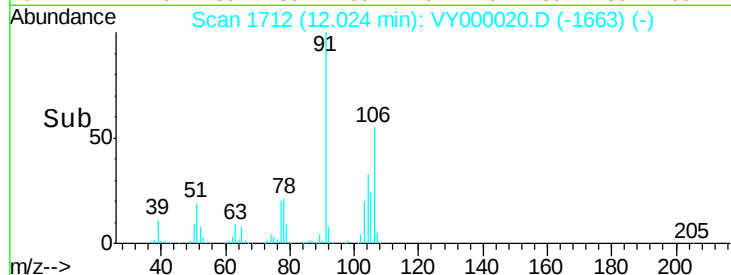
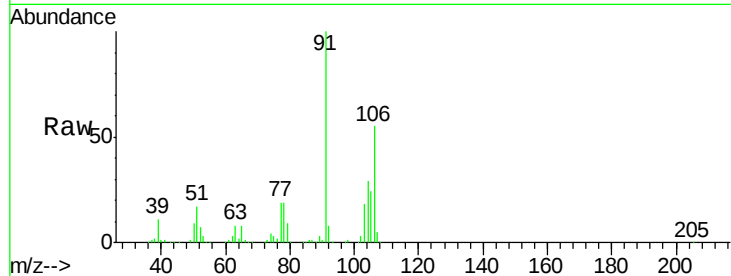
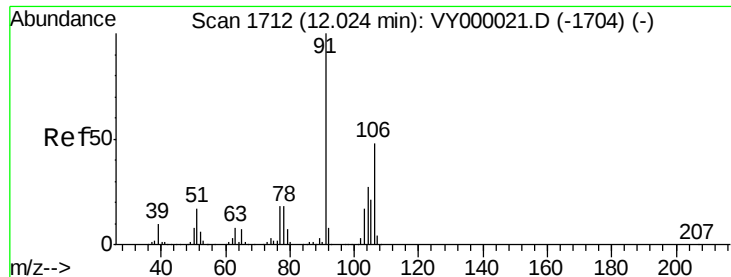
MMDadoda
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#68
m/p-Xylenes
Concen: 40.938 ug/l
RT: 11.70 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion: 106 Resp: 121242
Ion Ratio Lower Upper
106 100
91 197.7 158.5 237.7





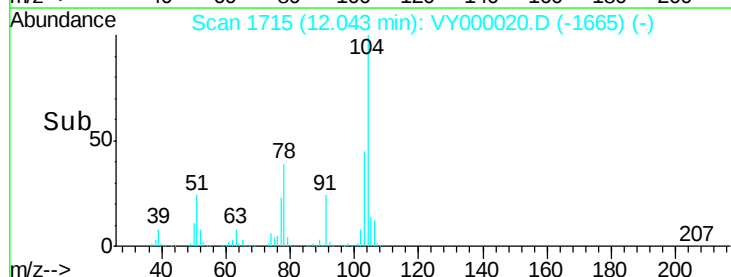
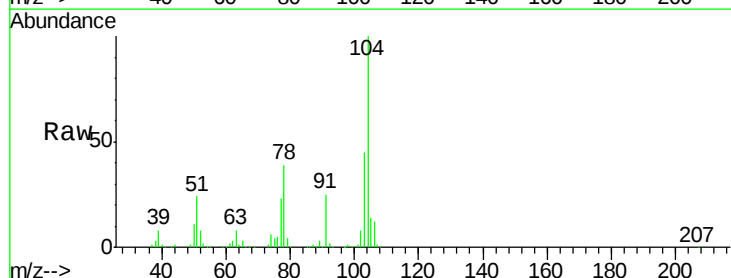
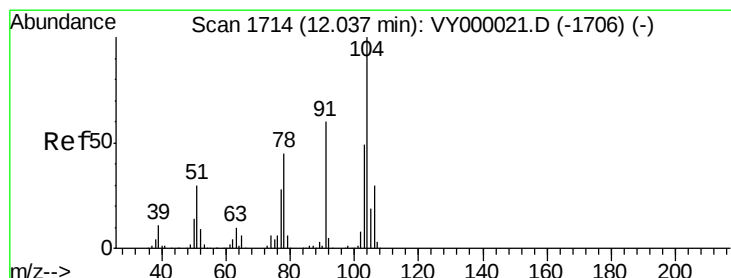
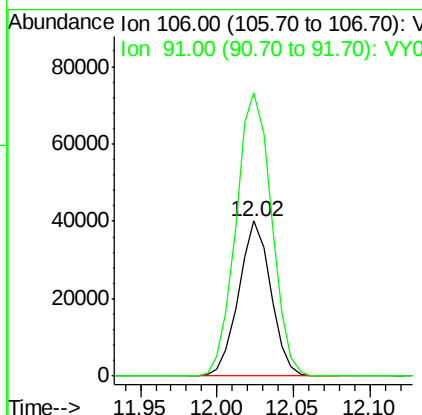
#69
o-Xylene
Concen: 20.206 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.3	104.0	312.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

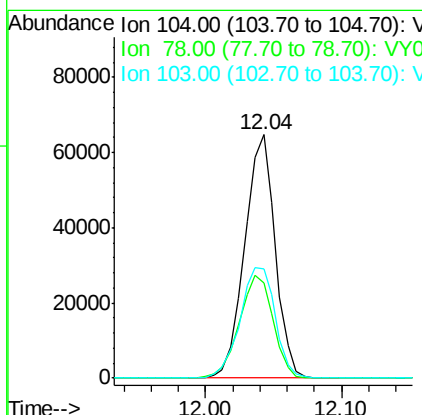
Manual Integrations
APPROVED

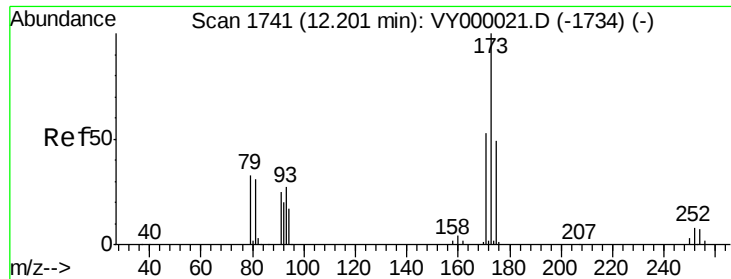
MMDadoda
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#70
Styrene
Concen: 20.088 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.8	38.0	57.0
103	52.7	42.4	63.6





#71

Bromoform

Concen: 20.143 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

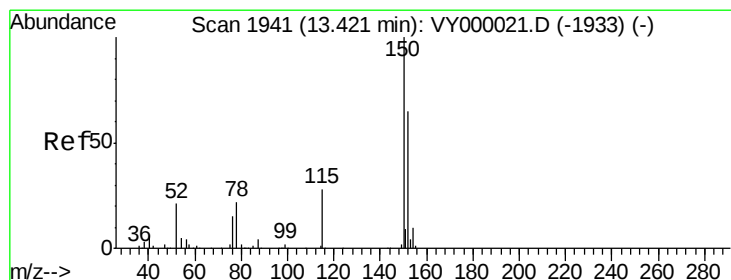
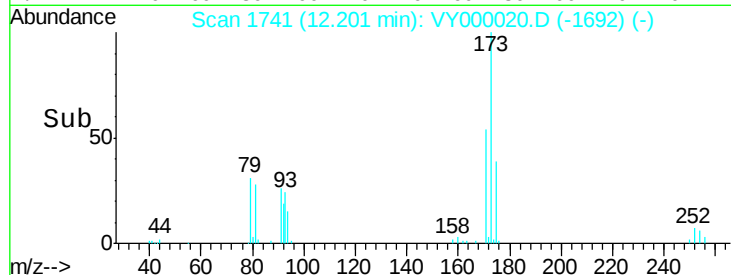
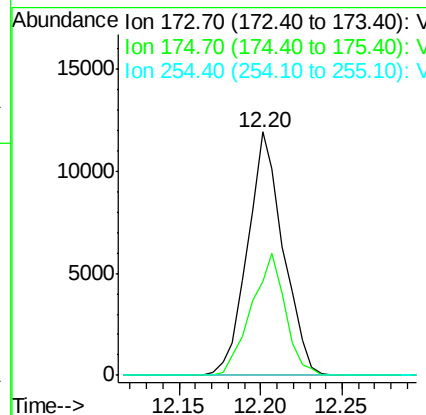
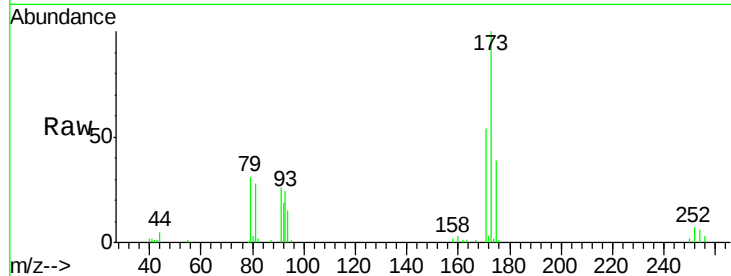
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	25.1	75.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

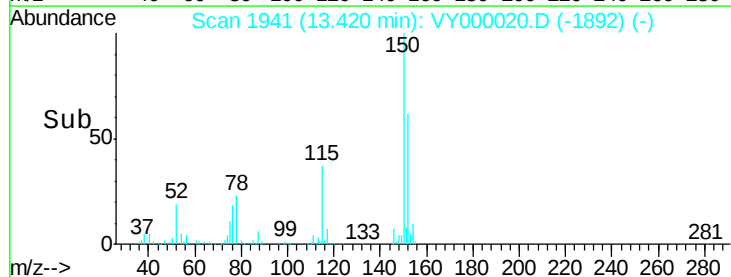
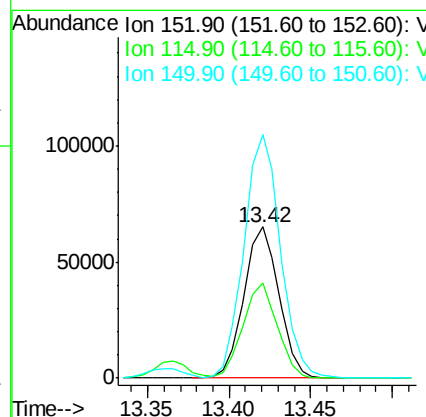
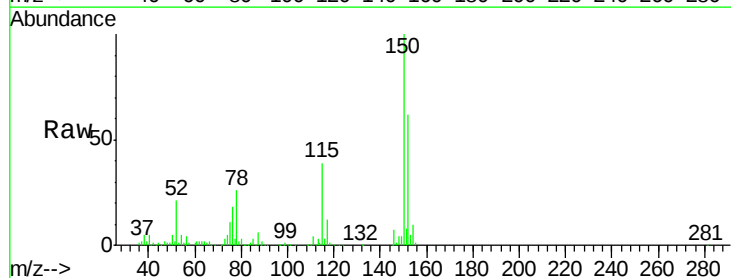
RT: 13.42 min Scan# 1941

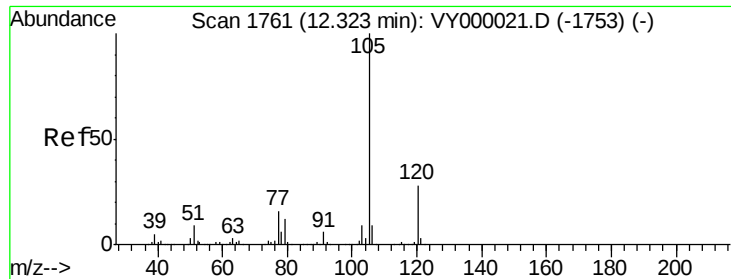
Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	29.4	88.2
150	167.8	0.0	349.0





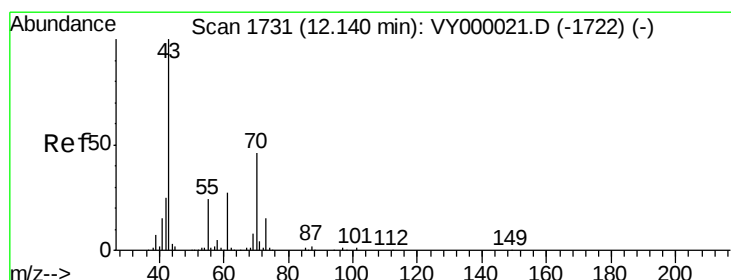
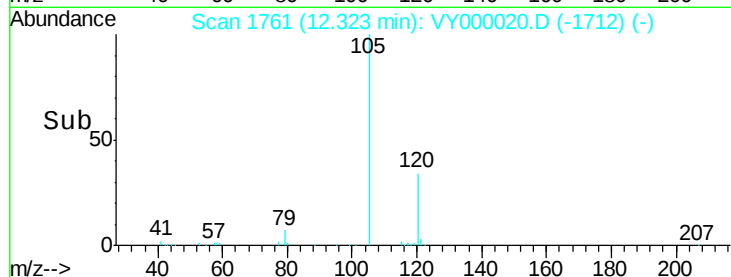
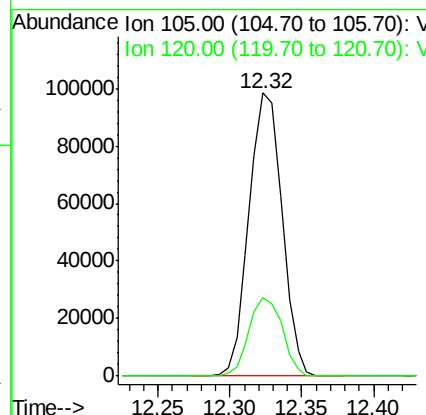
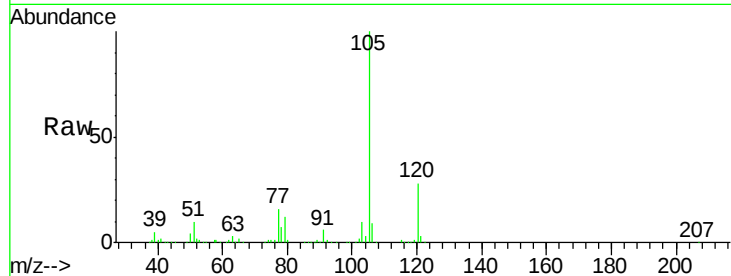
#73
Isopropylbenzene
Concen: 21.044 ug/l
RT: 12.32 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.9	41.6

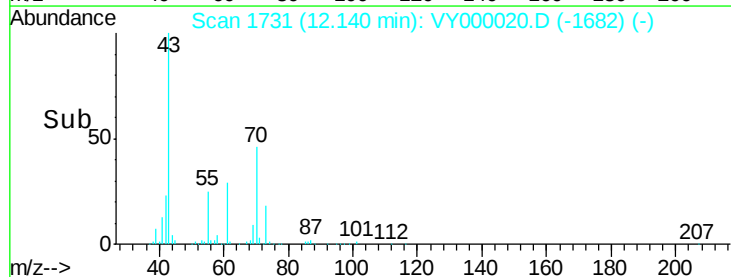
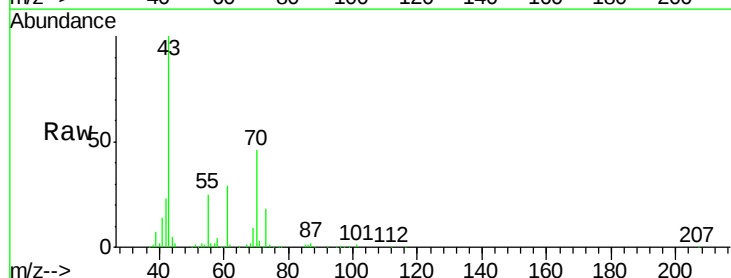
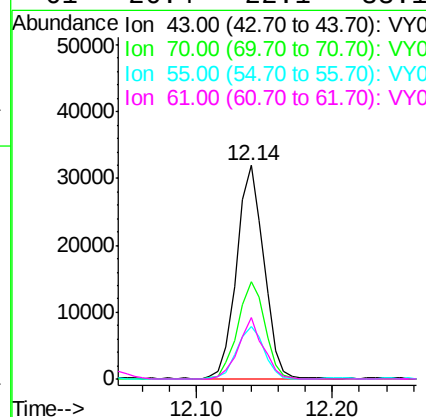
Manual Integrations
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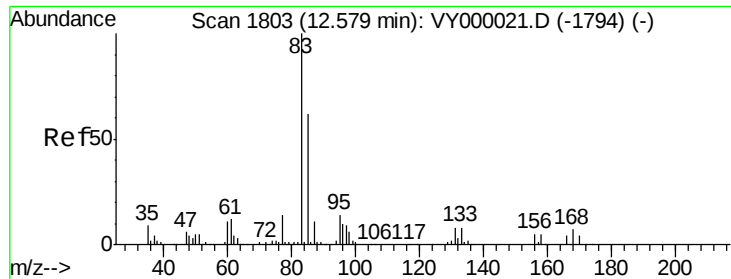
MMDadoda
9/13/2019 11:53:52 PM



#74
N-ethyl acetate
Concen: 20.322 ug/l
RT: 12.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.6	38.1	57.1
55	24.4	18.7	28.1
61	26.4	22.1	33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.591 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

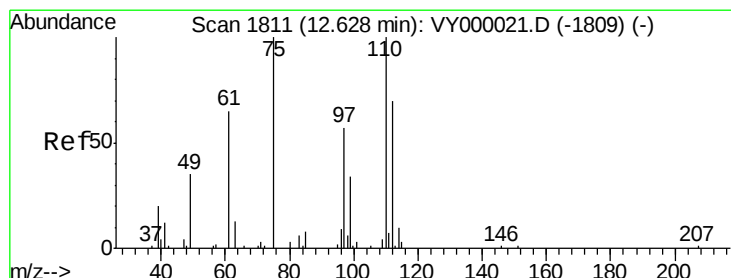
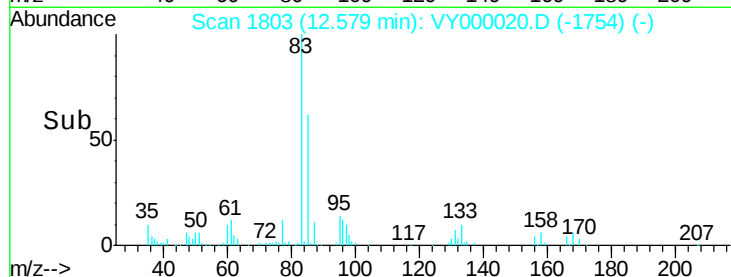
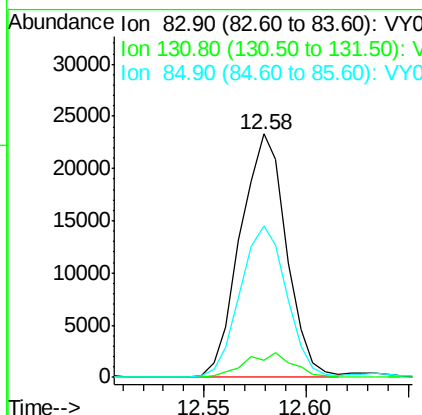
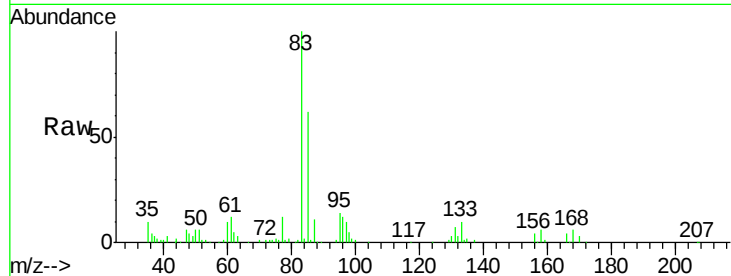
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	36673
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.6	13.8
85	63.0	31.8	95.3

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9/13/2019 11:53:52 PM



#76

1,2,3-Trichloropropane

Concen: 12.180 ug/l m

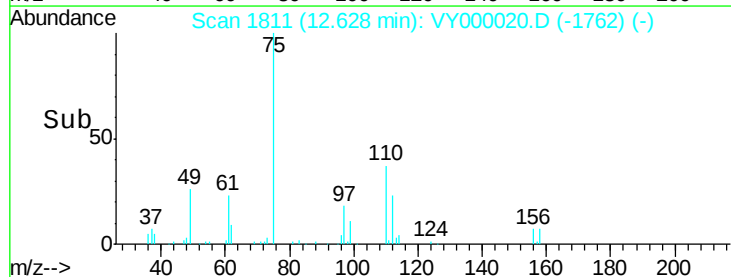
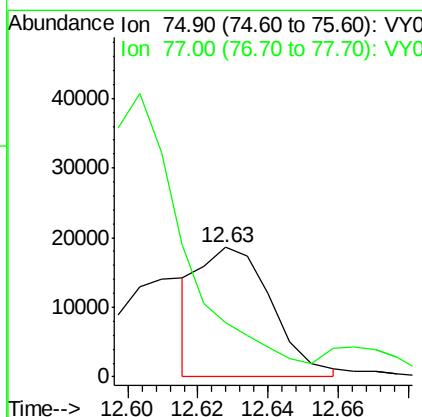
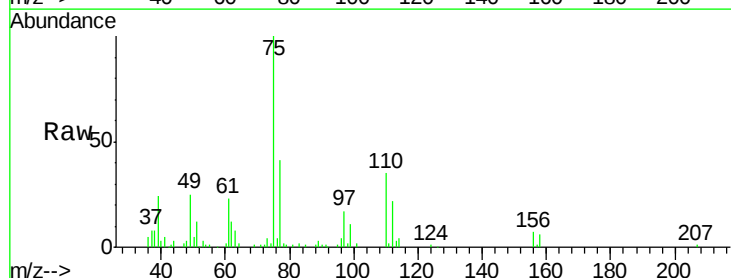
RT: 12.63 min Scan# 1811

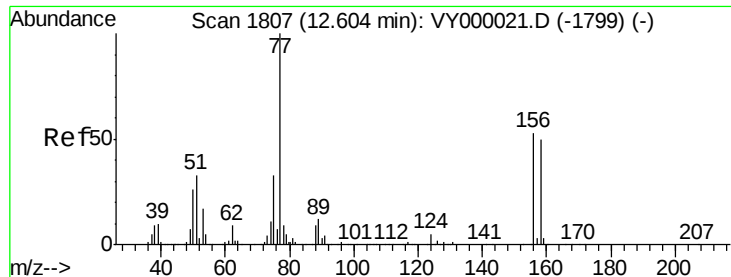
Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Tgt Ion:	75	Resp:	26338
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.469 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 32254

Ion Ratio Lower Upper

156 100

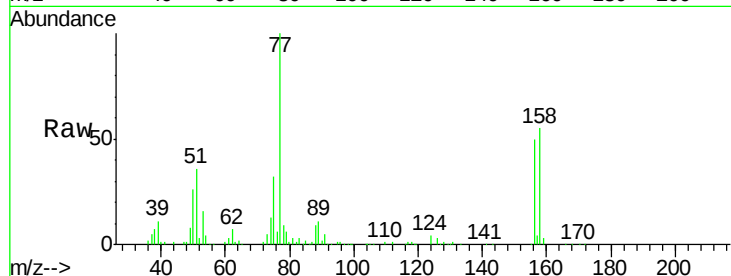
77 224.2 106.0 317.9

158 102.4 47.3 141.9

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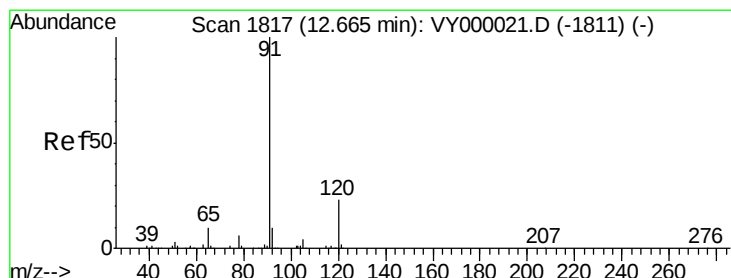
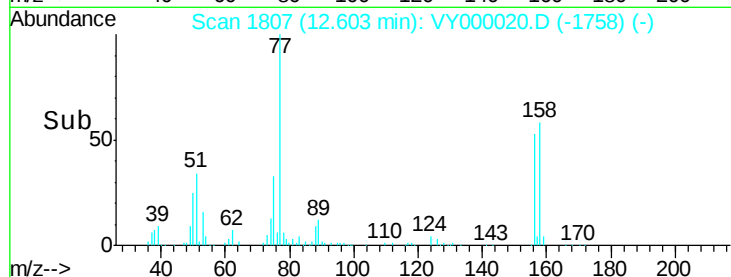
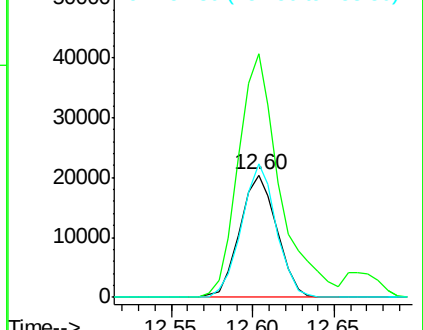
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.901 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000020.D

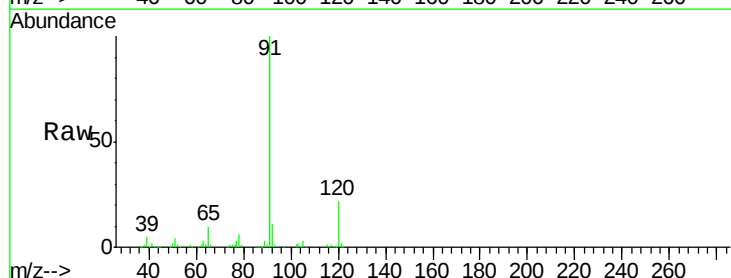
Acq: 12 Sep 2019 11:54

Tgt Ion: 91 Resp: 190269

Ion Ratio Lower Upper

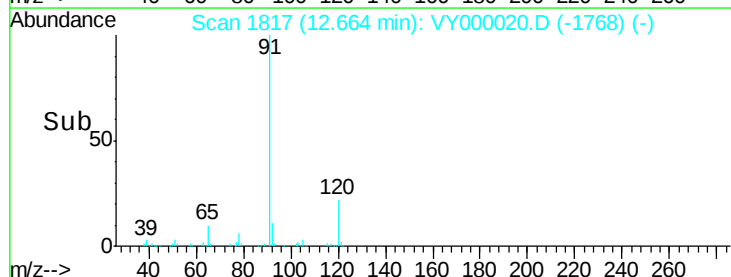
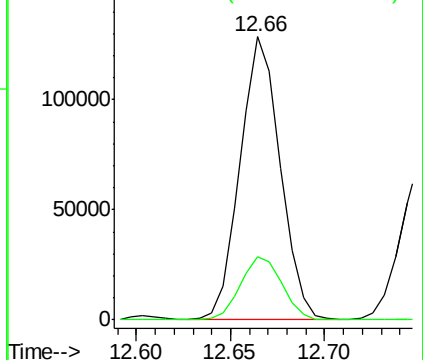
91 100

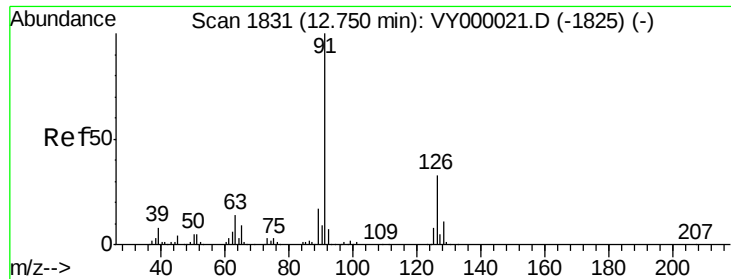
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.963 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 106709

Ion Ratio Lower Upper

91 100

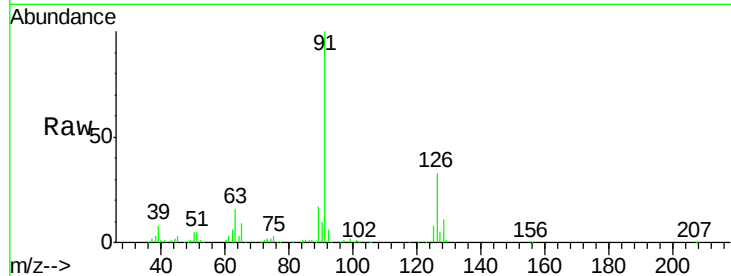
126 34.7 16.9 50.7

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Abundance Ion 91.00 (90.70 to 91.70): VY000021.D (-1825) (-)

Ion 125.90 (125.60 to 126.60): VY000021.D (-1825) (-)

150000

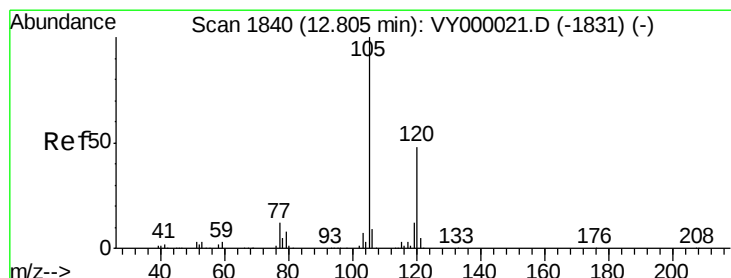
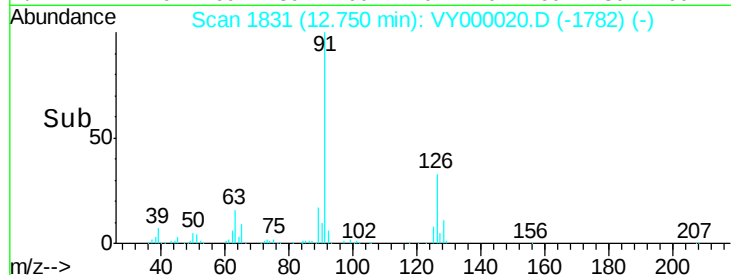
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.790 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VY000020.D

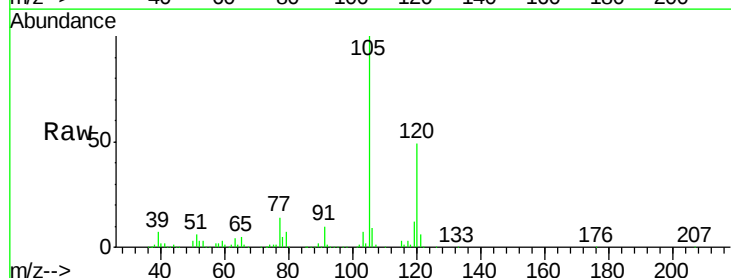
Acq: 12 Sep 2019 11:54

Tgt Ion: 105 Resp: 129309

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VY000021.D (-1831) (-)

Ion 120.00 (119.70 to 120.70): VY000021.D (-1831) (-)

100000

80000

60000

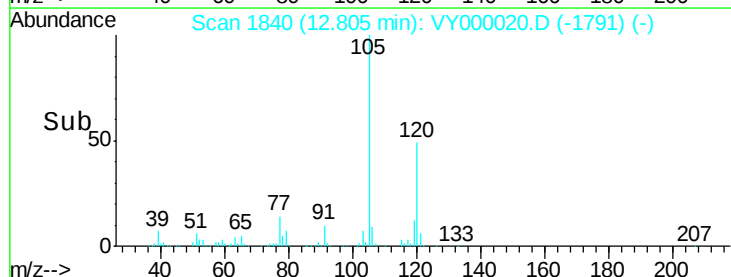
40000

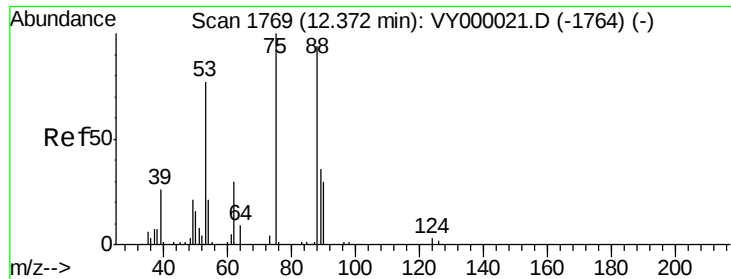
20000

0

12.75 12.80 12.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.035 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

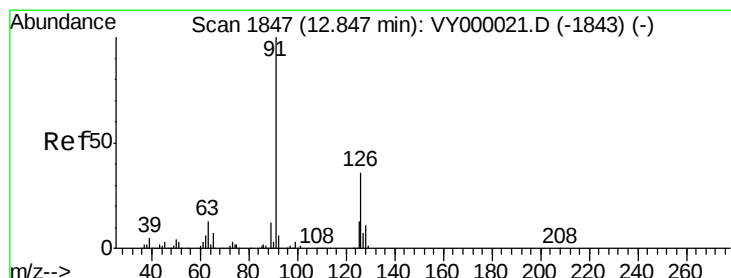
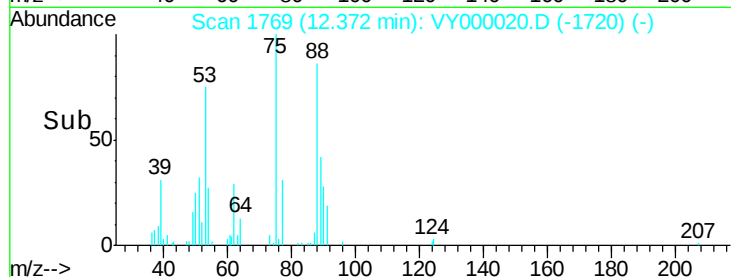
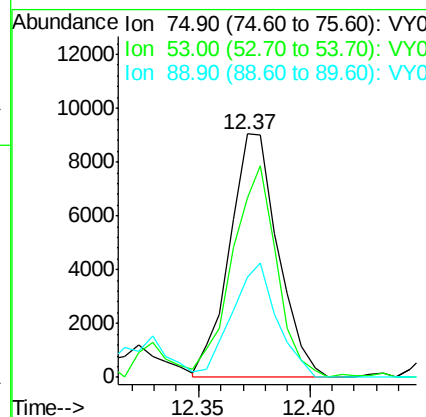
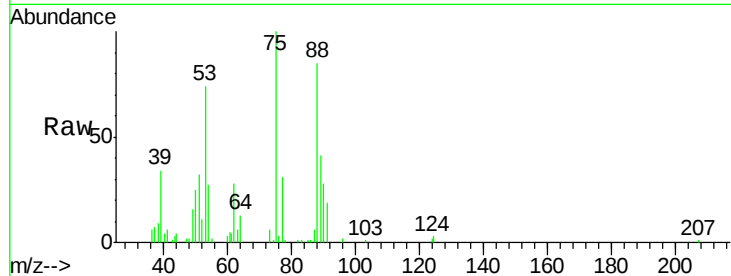
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	13677
Ion	Ratio	Lower	Upper
75	100		
53	78.8	64.2	96.2
89	43.9	35.5	53.3

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#82

4-Chlorotoluene

Concen: 20.618 ug/l

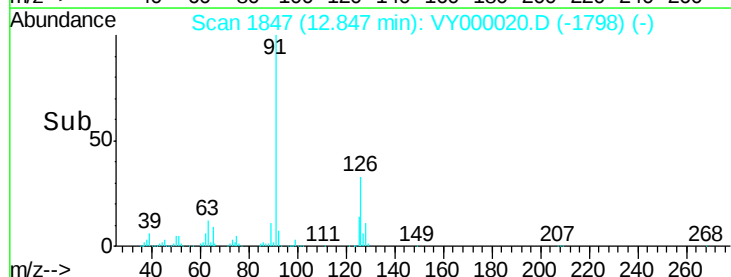
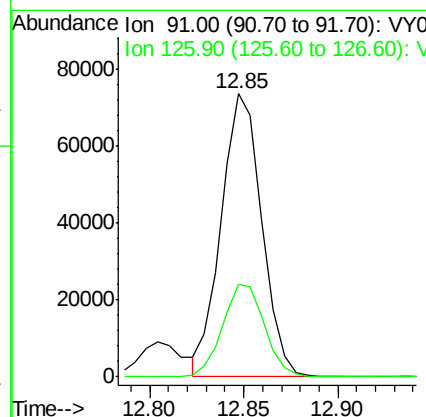
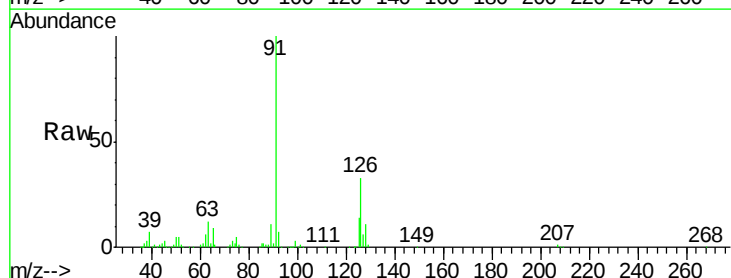
RT: 12.85 min Scan# 1847

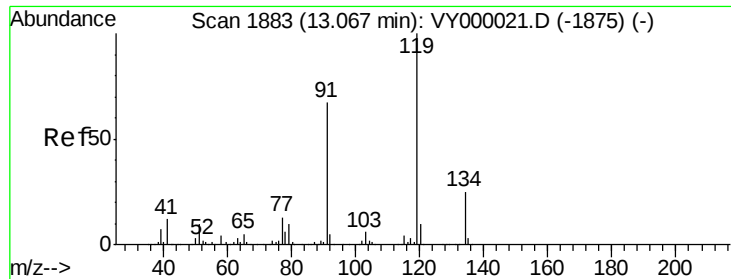
Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Tgt Ion:	91	Resp:	110154
Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.2	51.5





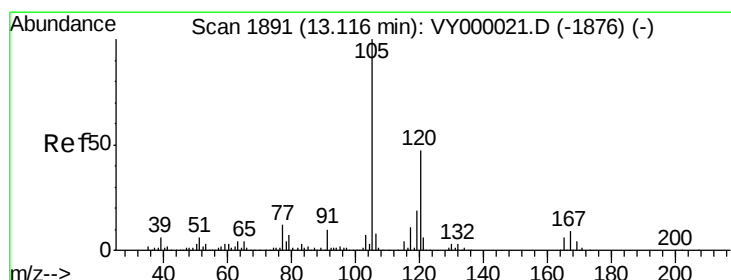
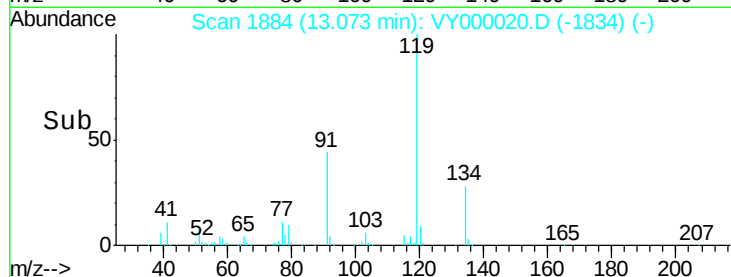
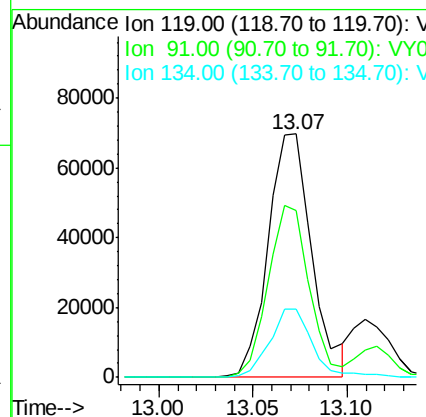
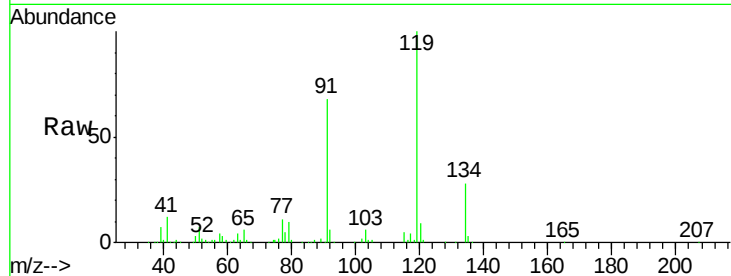
#83
tert-Butylbenzene
Concen: 20.944 ug/l
RT: 13.07 min Scan# 1884
Delta R.T. 0.01 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	111926		
91	66.8	33.1	99.5	
134	27.6	13.5	40.5	

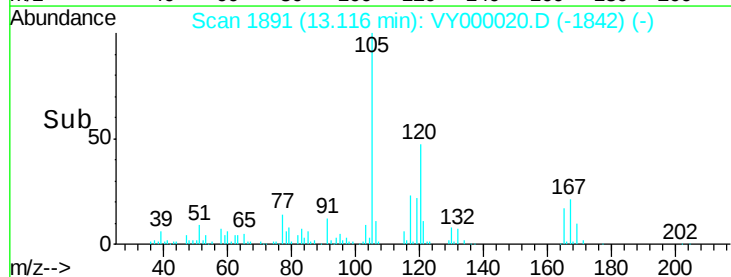
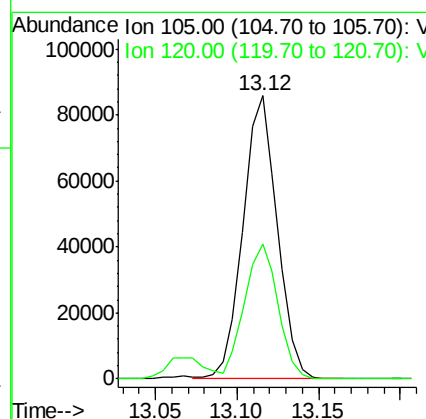
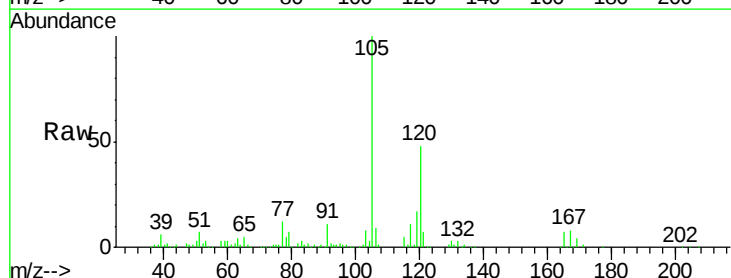
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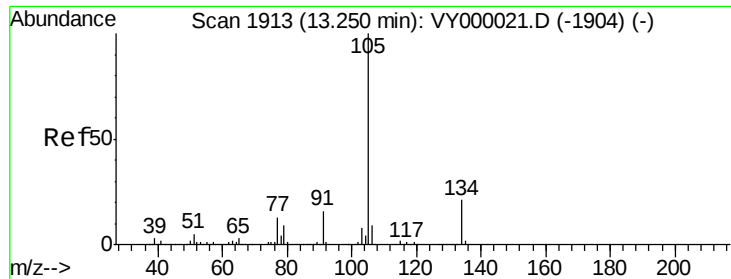
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#84
1,2,4-Trimethylbenzene
Concen: 20.381 ug/l
RT: 13.12 min Scan# 1891
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	125220		
120	46.7	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.507 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 161740

Ion Ratio Lower Upper

105 100

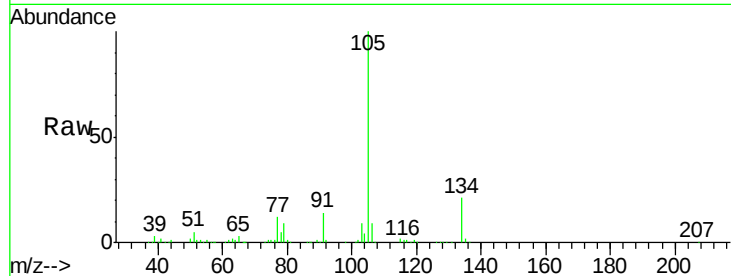
134 20.8 10.1 30.1

Manual Integrations

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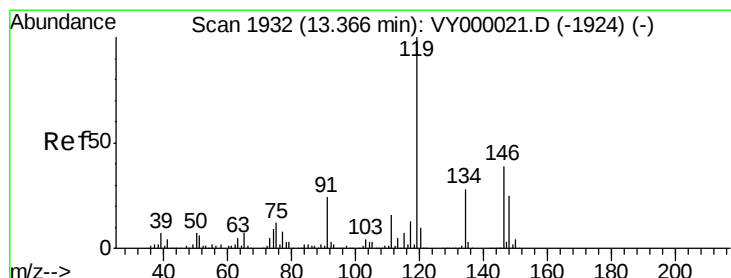
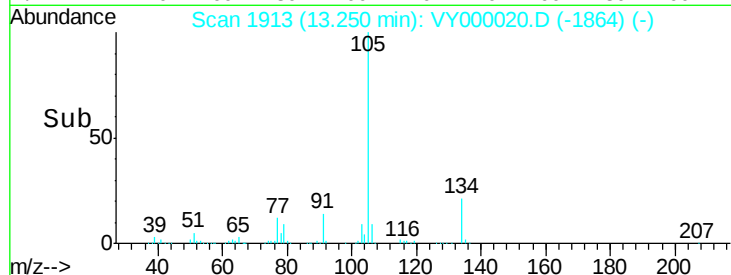
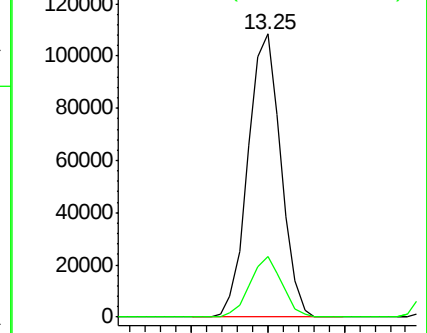
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.691 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

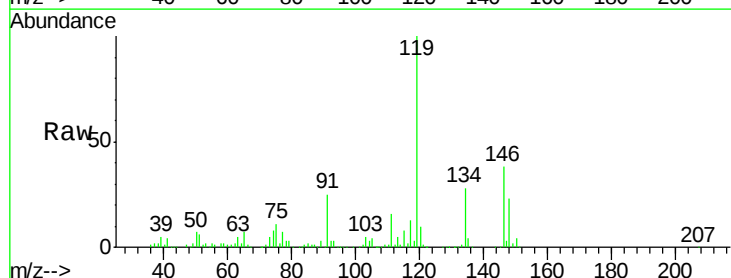
Tgt Ion:119 Resp: 138436

Ion Ratio Lower Upper

119 100

134 28.5 13.8 41.3

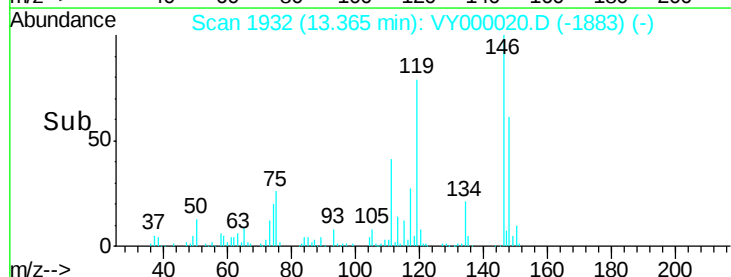
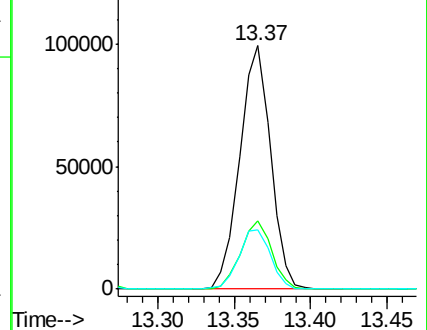
91 25.2 12.4 37.2

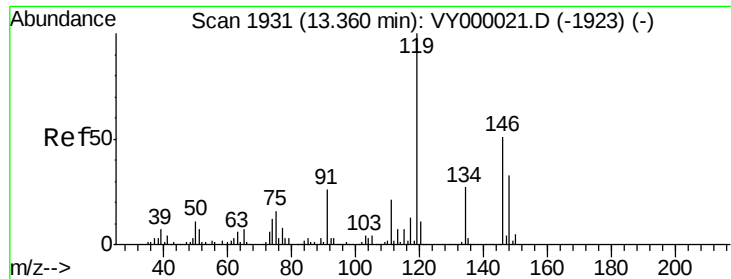


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





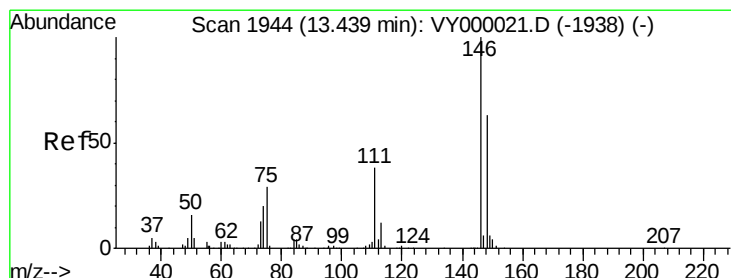
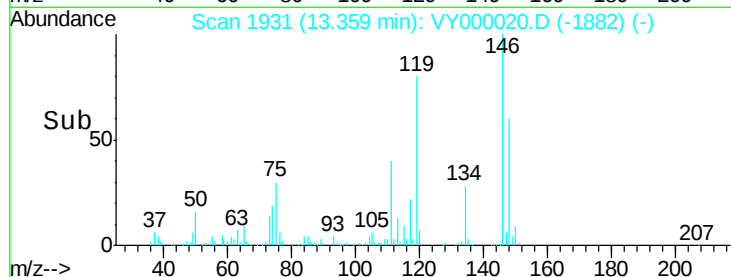
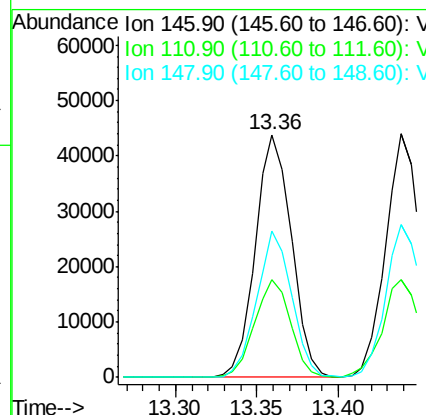
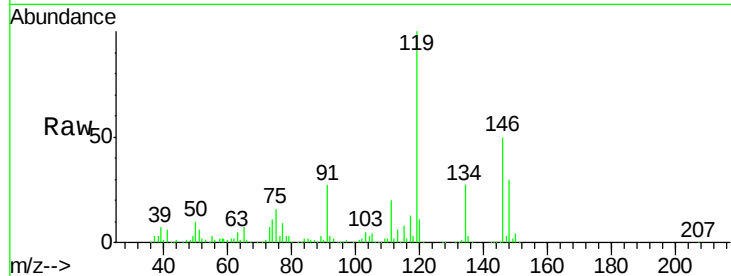
#87
 1,3-Dichlorobenzene
 Concen: 21.326 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.2	63.6
148	58.4	32.1	96.5

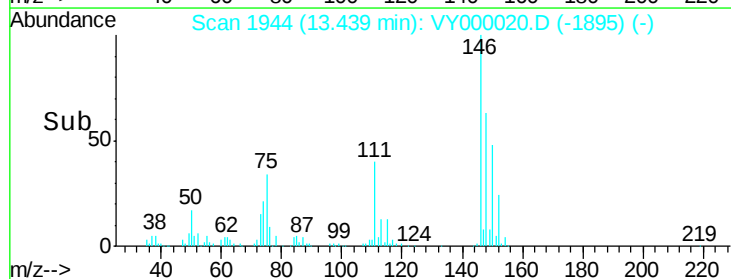
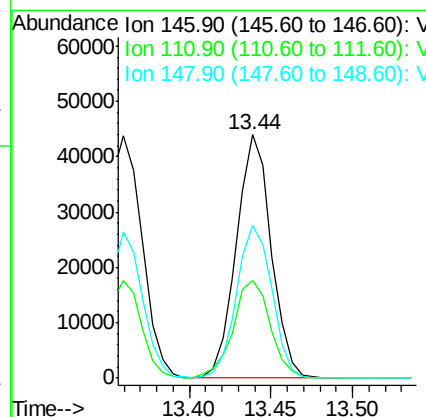
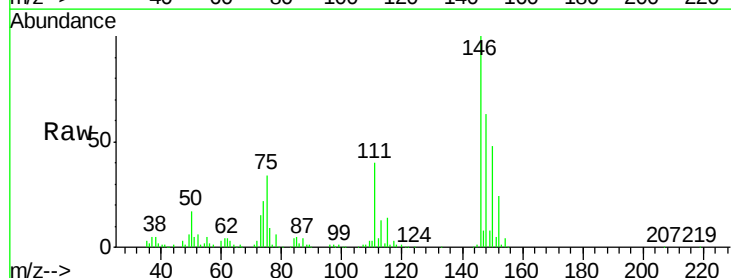
Manual Integrations
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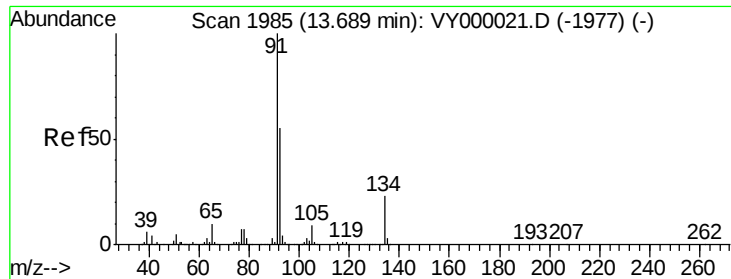
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 9/13/2019 11:53:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.479 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.3	60.9
148	63.7	31.7	95.1





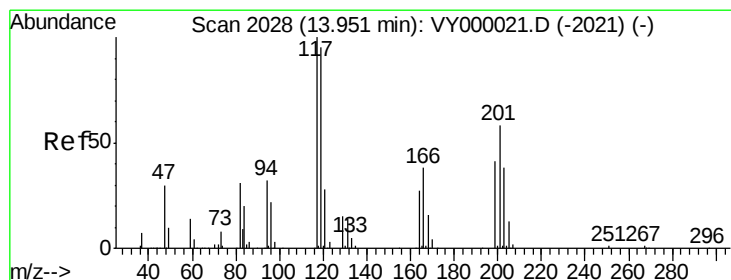
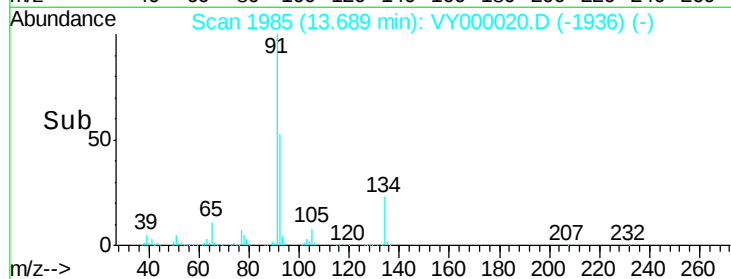
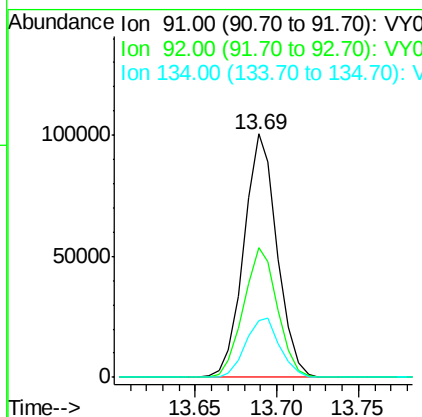
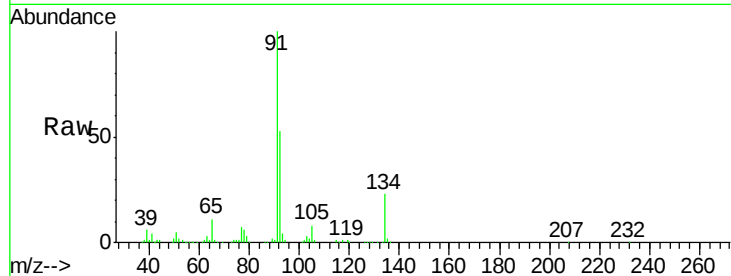
#89
n-Butylbenzene
Concen: 21.002 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	142394		
92	54.4	27.2	81.6	
134	25.1	12.6	37.6	

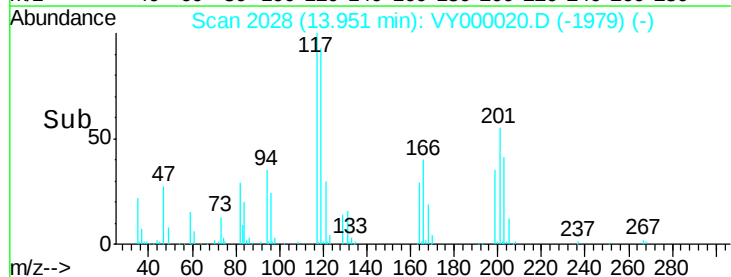
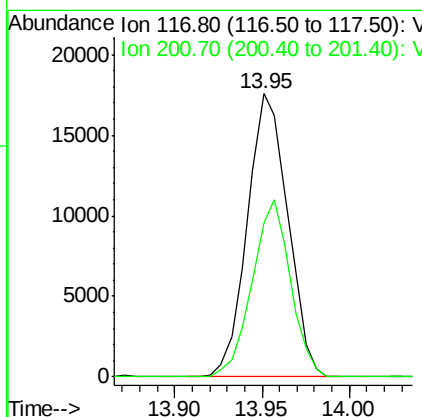
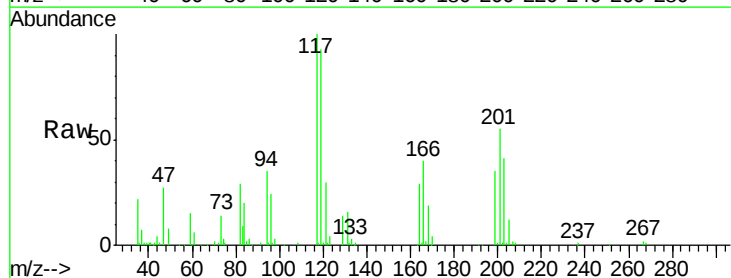
Manual Integrations
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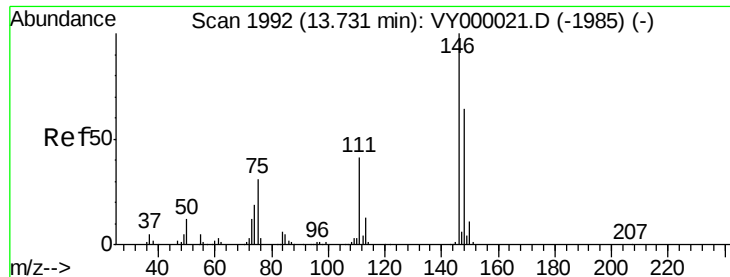
MMDadoda
9/13/2019 11:53:52 PM



#90
Hexachloroethane
Concen: 21.131 ug/l
RT: 13.95 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	28253		
201	59.2	31.4	94.0	





#91

1,2-Dichlorobenzene

Concen: 20.681 ug/l

RT: 13.73 min Scan# 1992

Delta R.T. -0.00 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:146 Resp: 61038

Ion Ratio Lower Upper

146 100

111 44.2 21.0 63.0

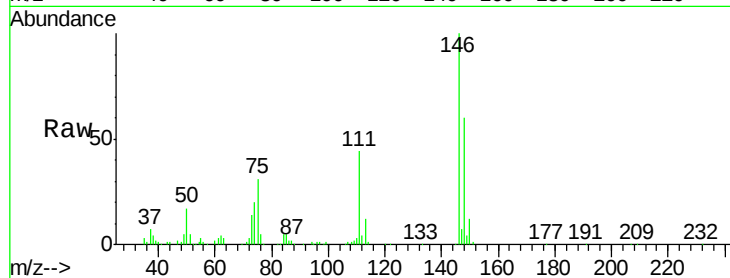
148 61.0 31.6 95.0

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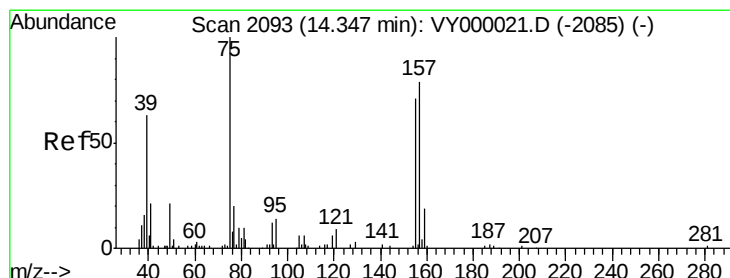
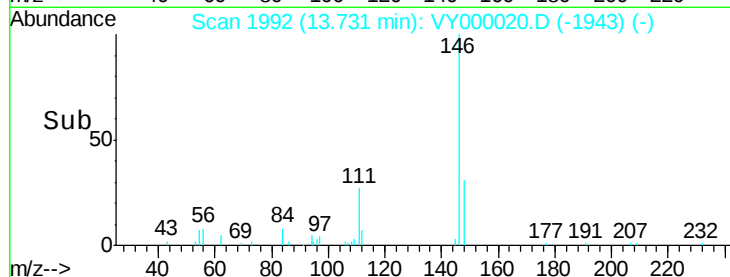
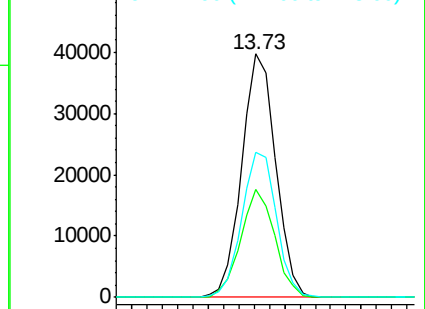
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.977 ug/l

RT: 14.35 min Scan# 2094

Delta R.T. 0.01 min

Lab File: VY000020.D

Acq: 12 Sep 2019 11:54

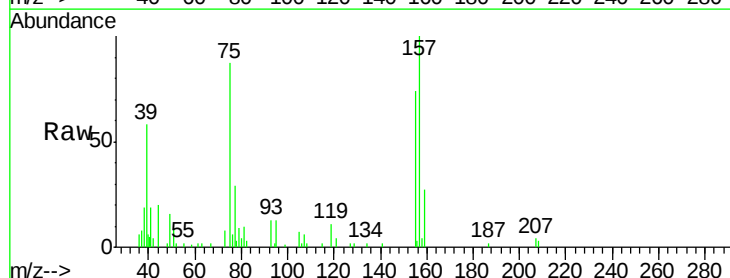
Tgt Ion: 75 Resp: 6572

Ion Ratio Lower Upper

75 100

155 78.7 41.8 125.3

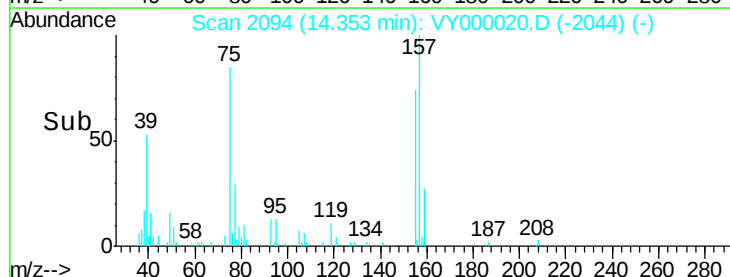
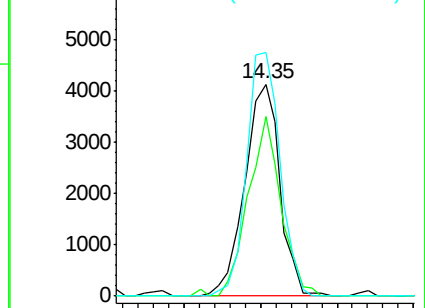
157 109.5 51.3 153.9

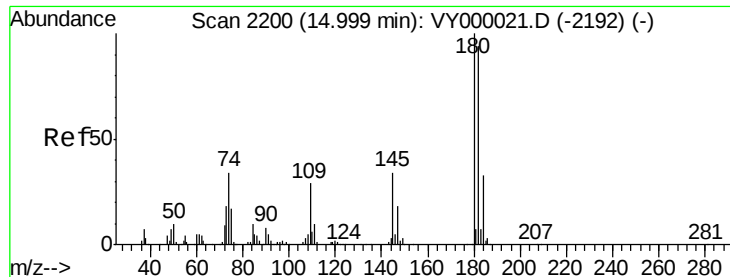


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





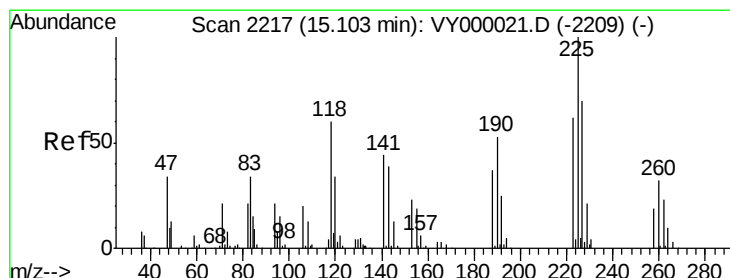
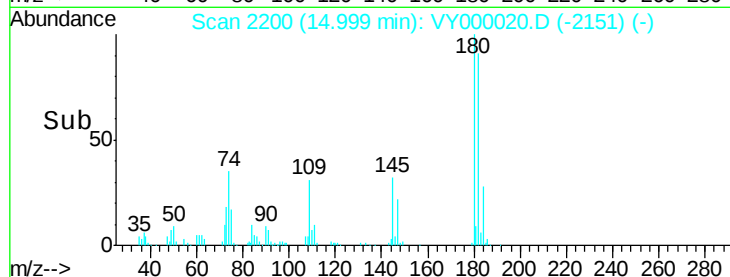
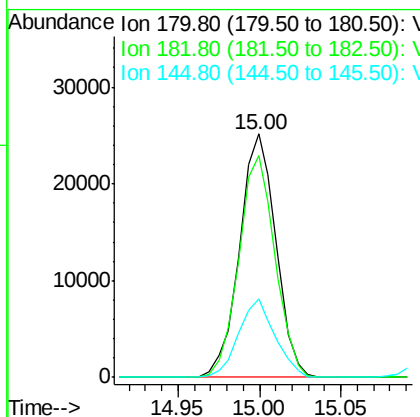
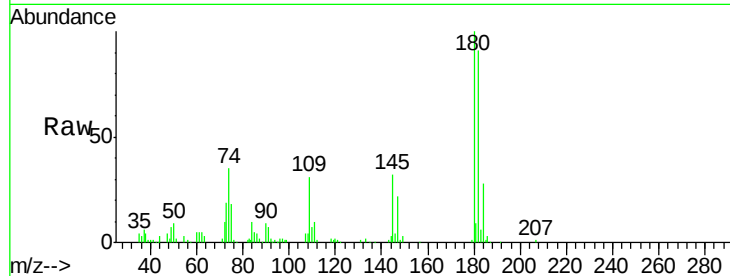
#93
 1,2,4-Trichlorobenzene
 Concen: 20.658 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	38904		
182	91.1	47.0	141.0	
145	32.5	16.7	50.1	

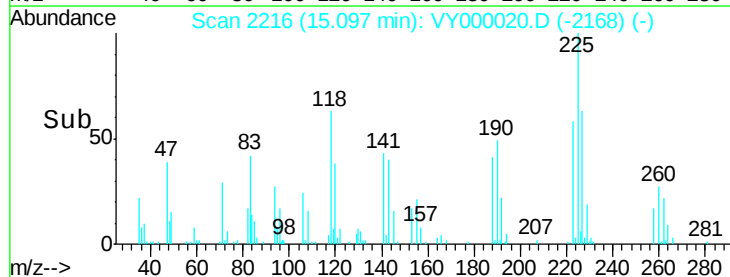
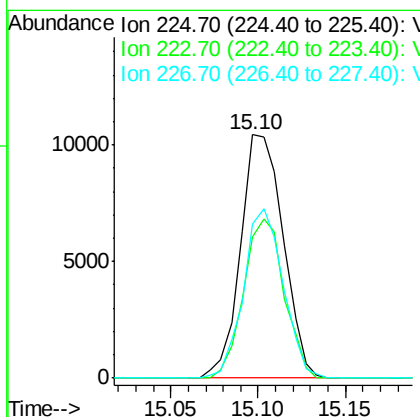
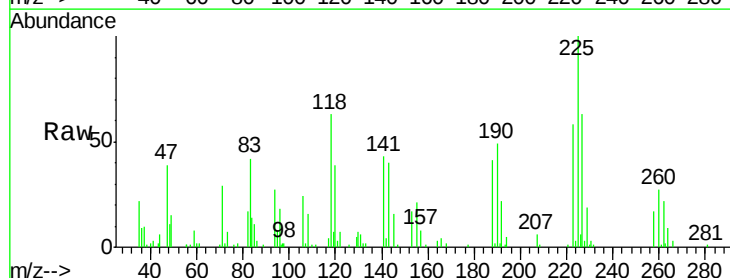
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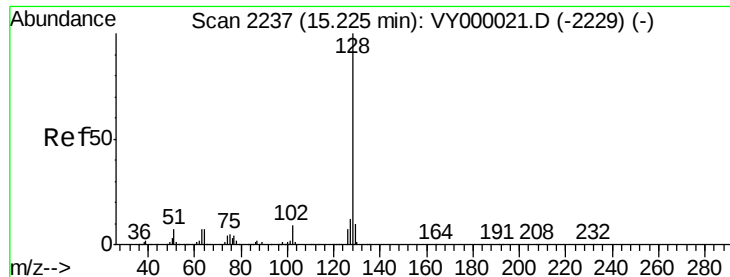
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#94
 Hexachlorobutadiene
 Concen: 20.482 ug/l
 RT: 15.10 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: VY000020.D
 Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	17692		
223	62.0	30.9	92.7	
227	64.4	31.0	93.0	





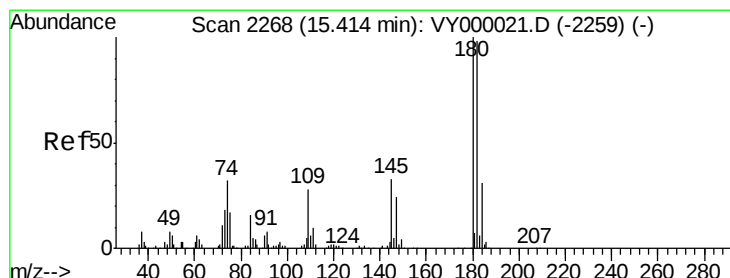
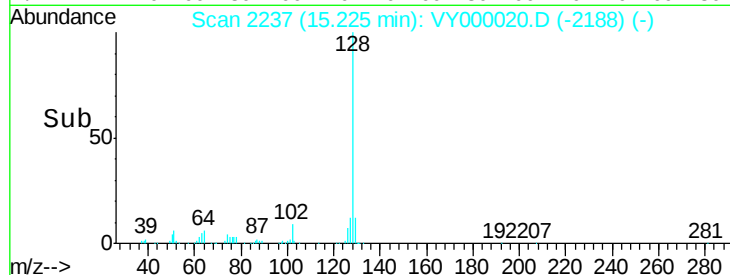
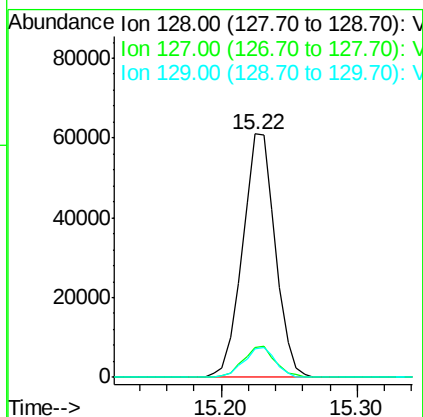
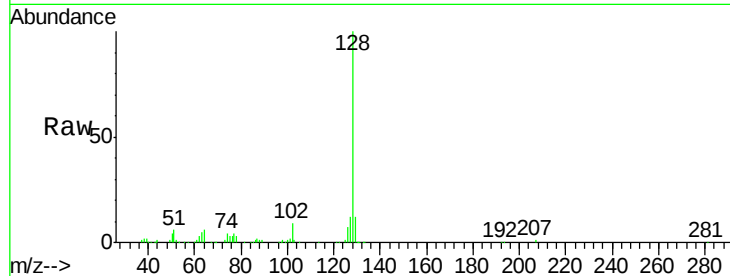
#95
Naphthalene
Concen: 19.895 ug/l
RT: 15.22 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	102503		
127	12.5		9.8	14.8
129	11.7		8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 20.095 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VY000020.D
Acq: 12 Sep 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	33972		
182	94.3		46.8	140.4
145	34.5		17.3	51.7

