

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002246.D
 Acq On : 08 Apr 2020 12:09
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/9/2020 11:31:47 AM

Quant Time: Apr 08 15:02:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 14:44:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	157122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	280390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	255099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	117237	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	33748	19.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.62%	
35) Dibromofluoromethane	7.74	113	32778	19.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.30%	
50) Toluene-d8	10.19	98	138048	19.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.54%	
62) 4-Bromofluorobenzene	12.49	95	45510	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	31145	19.613	ug/l	93
3) Chloromethane	2.12	50	41783	20.907	ug/l	99
4) Vinyl Chloride	2.26	62	43190	20.303	ug/l	97
5) Bromomethane	2.65	94	26209	19.952	ug/l	94
6) Chloroethane	2.80	64	25840	21.063	ug/l	99
7) Trichlorofluoromethane	3.14	101	54505	19.840	ug/l	94
8) Diethyl Ether	3.55	74	23986	20.538	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	38162	20.450	ug/l	98
10) Methyl Iodide	4.11	142	44638	20.579	ug/l	99
11) Tert butyl alcohol	4.99	59	24022	104.500	ug/l	100
12) 1,1-Dichloroethene	3.90	96	38415	20.248	ug/l	95
13) Acrolein	3.75	56	22401	99.430	ug/l	99
14) Allyl chloride	4.50	41	62641	20.446	ug/l	100
15) Acrylonitrile	5.20	53	62658	104.914	ug/l	100
16) Acetone	3.97	43	46667	101.404	ug/l	94
17) Carbon Disulfide	4.21	76	126583	20.090	ug/l	99
18) Methyl Acetate	4.50	43	29858	20.917	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	102413	20.533	ug/l	100
20) Methylene Chloride	4.75	84	45145	19.958	ug/l	95
21) trans-1,2-Dichloroethene	5.24	96	43432	20.395	ug/l	97
22) Diisopropyl ether	6.14	45	131262	21.290	ug/l	97
23) Vinyl Acetate	6.09	43	415399	105.726	ug/l	99
24) 1,1-Dichloroethane	6.05	63	72270	20.608	ug/l	99
25) 2-Butanone	7.01	43	75362	103.476	ug/l	99
26) 2,2-Dichloropropane	7.01	77	58385	19.903	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	47956	20.659	ug/l	100
28) Bromochloromethane	7.36	49	31048	20.509	ug/l	99
29) Tetrahydrofuran	7.37	42	50422	104.734	ug/l	99
30) Chloroform	7.53	83	68211	20.634	ug/l	97
31) Cyclohexane	7.80	56	74318	20.189	ug/l #	96
32) 1,1,1-Trichloroethane	7.72	97	56465	20.522	ug/l	99
36) 1,1-Dichloropropene	7.94	75	58967	21.351	ug/l	99
37) Ethyl Acetate	7.10	43	34080	21.600	ug/l	99
38) Carbon Tetrachloride	7.92	117	49183	20.819	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	76671	20.408	ug/l	94
40) Benzene	8.18	78	174702	20.849	ug/l	99
41) Methacrylonitrile	7.34	41	17851m	17.126	ug/l	
42) 1,2-Dichloroethane	8.25	62	44176	21.283	ug/l	100
43) Isopropyl Acetate	8.29	43	60396	20.989	ug/l	100
44) Trichloroethene	8.96	130	51802	21.027	ug/l	97
45) 1,2-Dichloropropane	9.23	63	44061	21.193	ug/l	96
46) Dibromomethane	9.32	93	22626	20.814	ug/l	98
47) Bromodichloromethane	9.51	83	52210	20.932	ug/l	98
48) Methyl methacrylate	9.30	41	26455	20.504	ug/l	97
49) 1,4-Dioxane	9.32	88	6605	429.540	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	160645	107.139	ug/l	99
52) Toluene	10.25	92	105758	20.943	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	57669	21.220	ug/l	93
54) cis-1,3-Dichloropropene	9.94	75	68743	21.040	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	33367	20.966	ug/l	96
56) Ethyl methacrylate	10.52	69	48056	21.156	ug/l	98
57) 1,3-Dichloropropane	10.80	76	58545	20.929	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	123987	105.407	ug/l	99
59) 2-Hexanone	10.84	43	110774	106.449	ug/l	100
60) Dibromochloromethane	10.99	129	35122	20.696	ug/l	100
61) 1,2-Dibromoethane	11.10	107	31691	20.917	ug/l	100
64) Tetrachloroethene	10.73	164	53766	20.847	ug/l	96
65) Chlorobenzene	11.52	112	111011	20.935	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	36390	20.785	ug/l	99
67) Ethyl Benzene	11.60	91	201405	20.747	ug/l	99
68) m/p-Xylenes	11.71	106	150503	41.393	ug/l	100
69) o-Xylene	12.03	106	69764	20.437	ug/l	99
70) Styrene	12.05	104	123571	20.865	ug/l	99
71) Bromoform	12.22	173	19592	20.578	ug/l #	98
73) Isopropylbenzene	12.33	105	189227	20.545	ug/l	99
74) N-amyl acetate	12.15	43	54730	20.934	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	22679	20.352	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	28894m	12.302	ug/l	
77) Bromobenzene	12.61	156	42116	20.784	ug/l	99
78) n-propylbenzene	12.67	91	234879	20.505	ug/l	100
79) 2-Chlorotoluene	12.76	91	129430	20.792	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	157203	20.638	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14740	21.059	ug/l	96
82) 4-Chlorotoluene	12.86	91	135122	20.710	ug/l	99
83) tert-Butylbenzene	13.08	119	129024	20.222	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	158302	20.812	ug/l	99
85) sec-Butylbenzene	13.26	105	193722	20.382	ug/l	99
86) p-Isopropyltoluene	13.38	119	170177	20.803	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	81476	20.747	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	82068	20.587	ug/l	98
89) n-Butylbenzene	13.70	91	174668	20.831	ug/l	99
90) Hexachloroethane	13.97	117	31660	20.310	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	75079	21.040	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5542	20.564	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	47325	20.290	ug/l	99
94) Hexachlorobutadiene	15.12	225	24382	20.755	ug/l	99
95) Naphthalene	15.25	128	103471	20.261	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	41350	20.417	ug/l	99

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

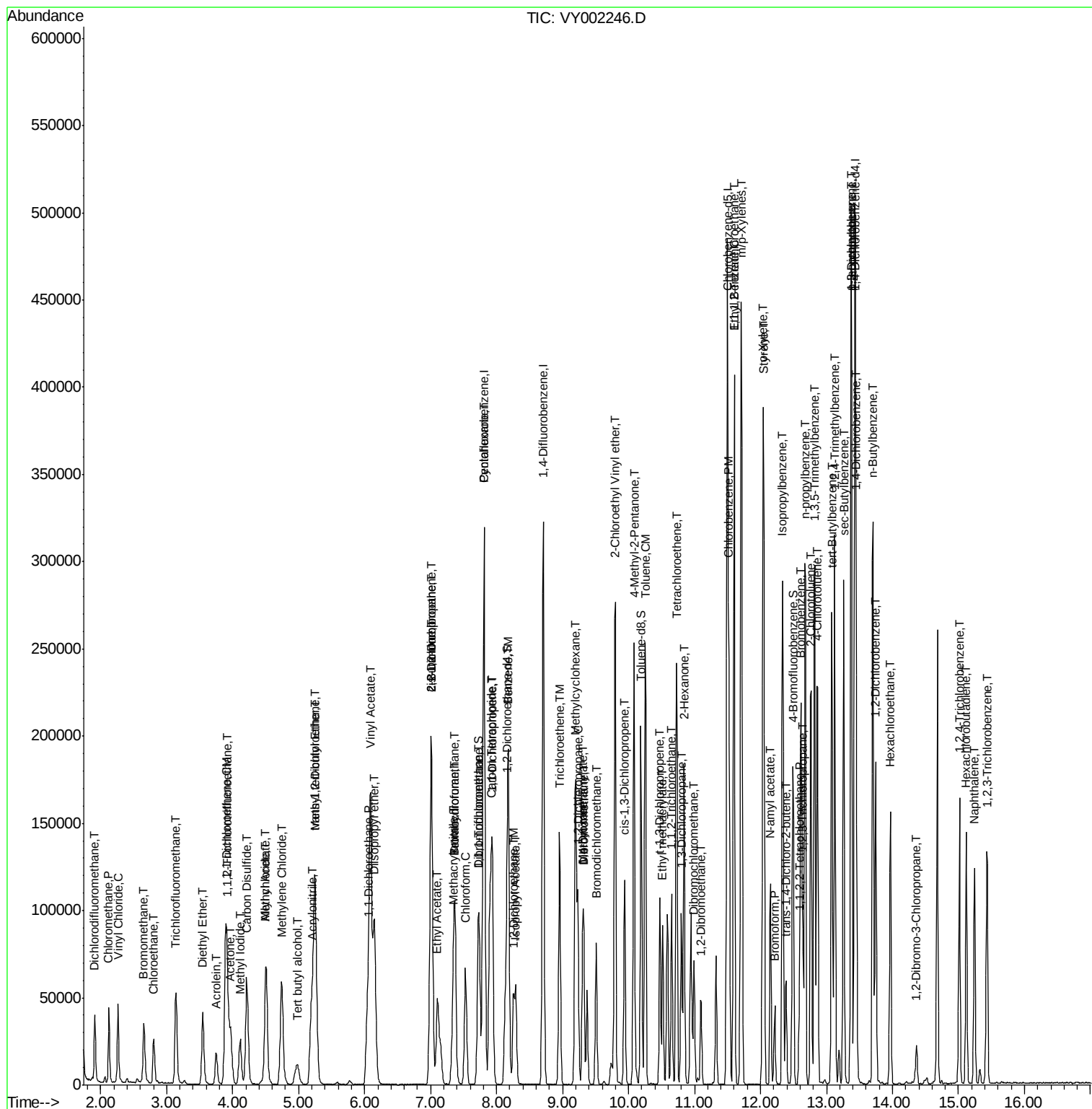
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
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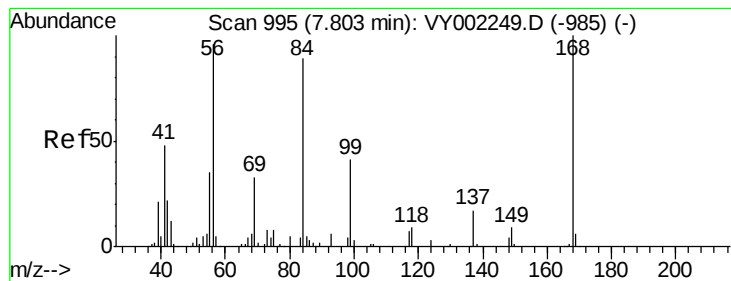
Instrument :
MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 157122

Ion Ratio Lower Upper

168 100

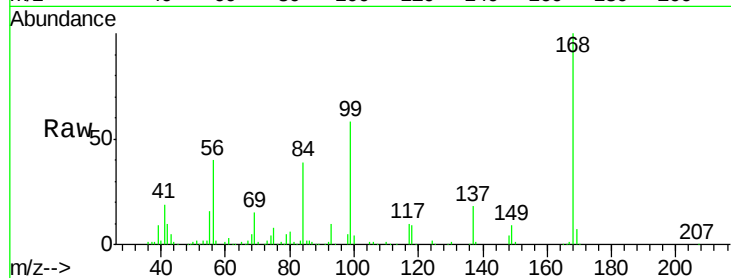
99 58.5 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.81

60000

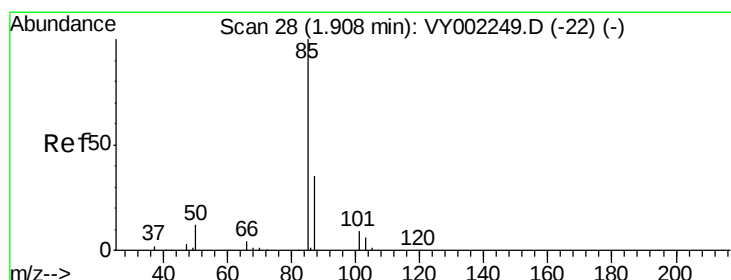
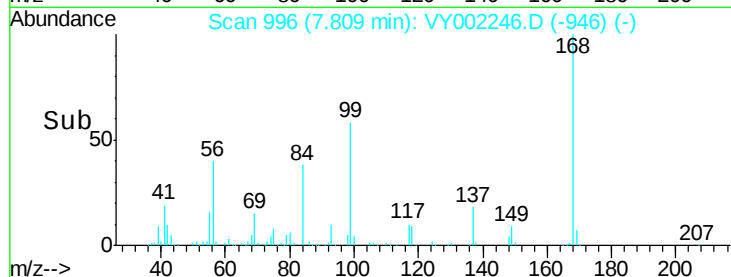
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 19.613 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.00 min

Lab File: VY002246.D

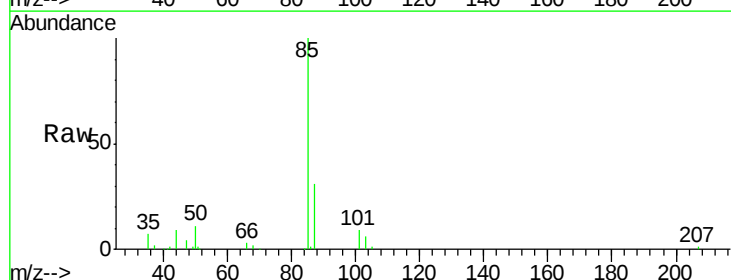
Acq: 08 Apr 2020 12:09

Tgt Ion: 85 Resp: 31145

Ion Ratio Lower Upper

85 100

87 30.7 17.3 51.9



Abundance Ion 84.90 (84.60 to 85.60): VY002249.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002249.D (-22) (-)

1.91

25000

20000

15000

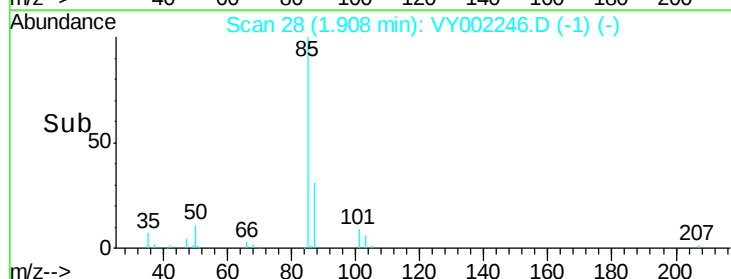
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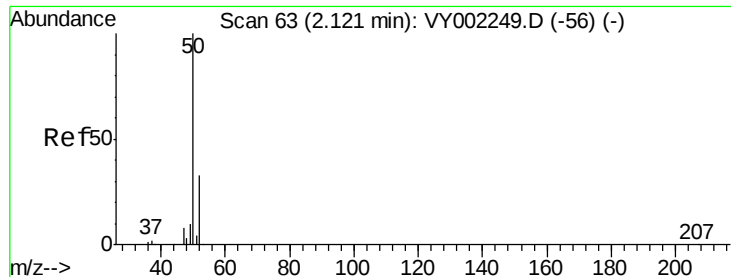
5000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 20.907 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 41783

Ion Ratio Lower Upper

50 100

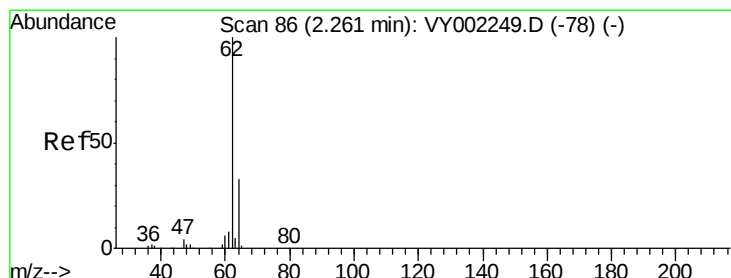
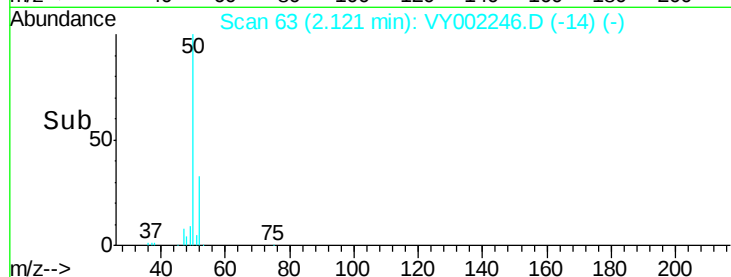
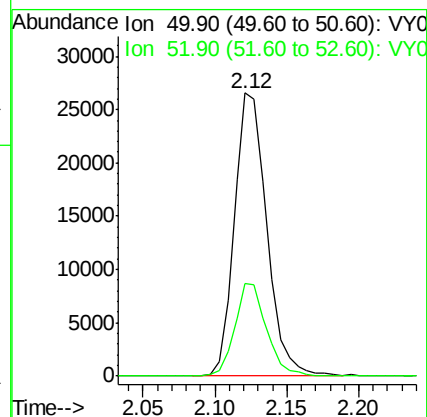
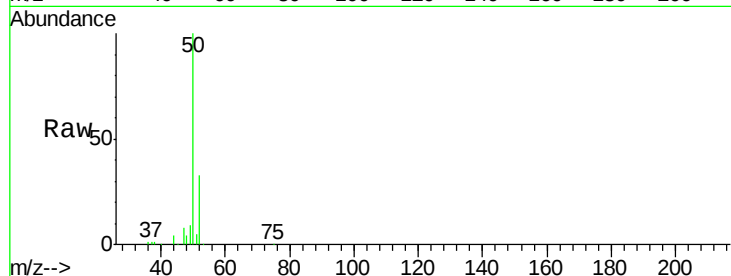
52 32.5 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.303 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002246.D

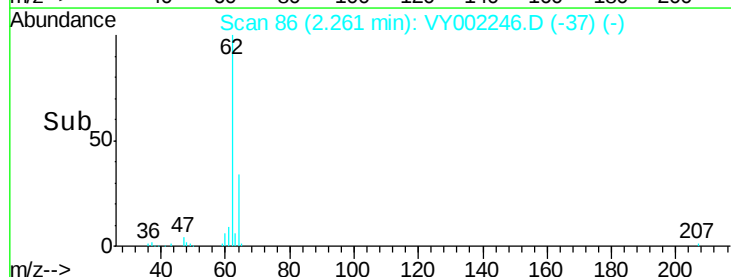
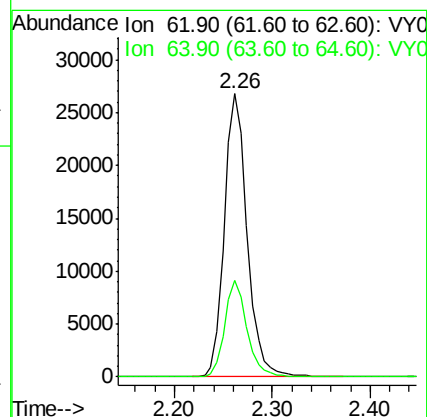
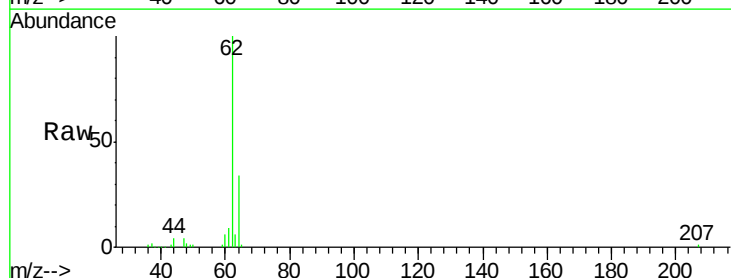
Acq: 08 Apr 2020 12:09

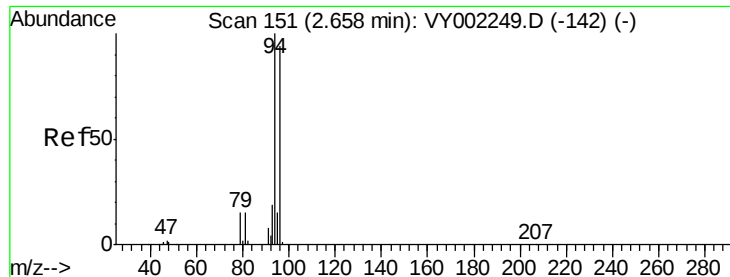
Tgt Ion: 62 Resp: 43190

Ion Ratio Lower Upper

62 100

64 34.2 26.2 39.2





#5

Bromomethane

Concen: 19.952 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

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Tot Ion: 94 Resp: 26209

Ion Ratio Lower Upper

94 100

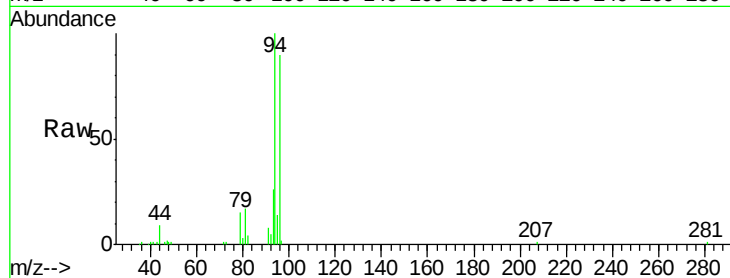
96 89.2 75.6 113.4

Manual Integrations

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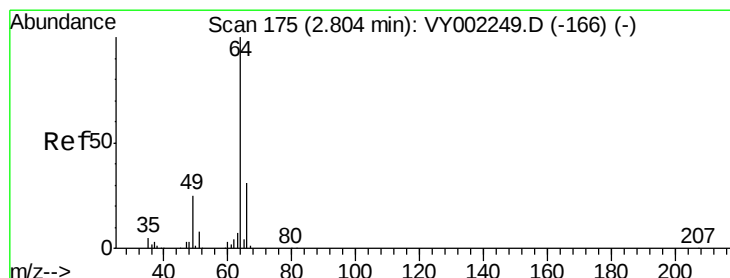
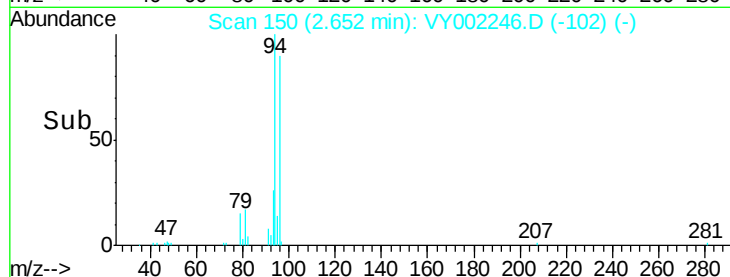
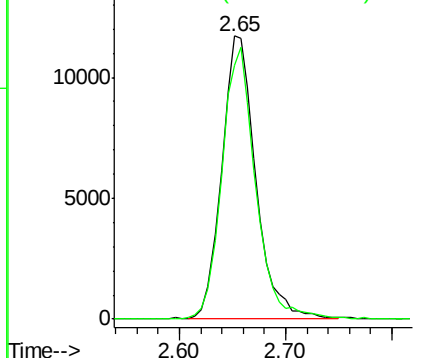
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.063 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002246.D

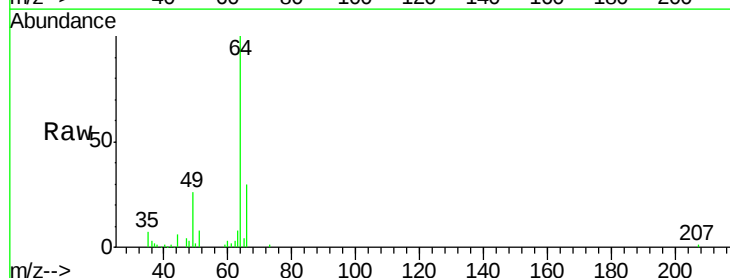
Acq: 08 Apr 2020 12:09

Tgt Ion: 64 Resp: 25840

Ion Ratio Lower Upper

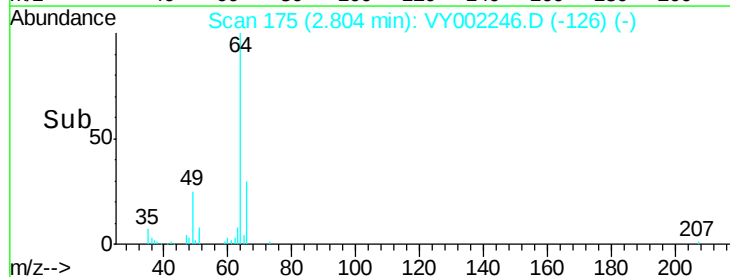
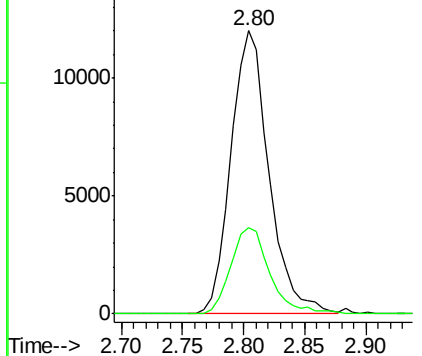
64 100

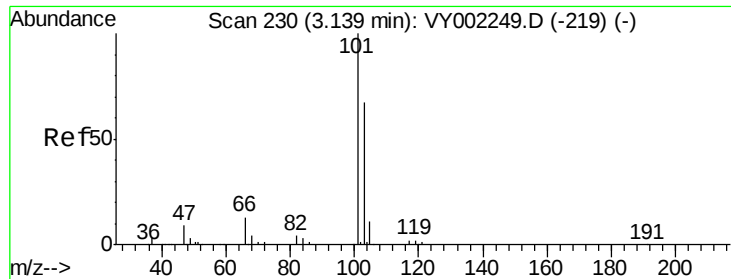
66 30.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

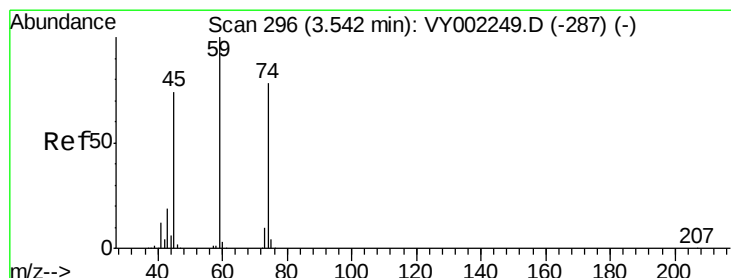
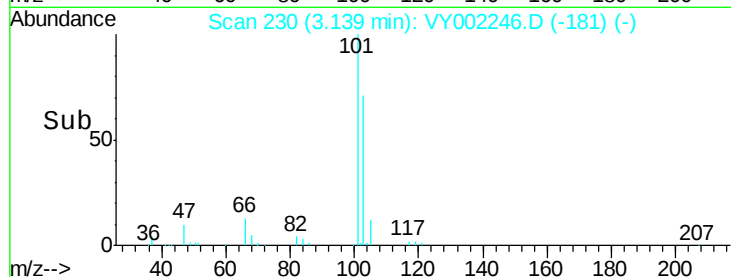
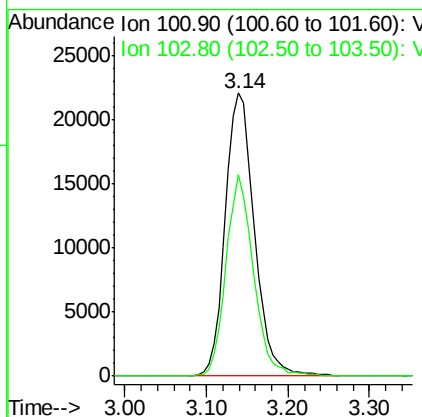
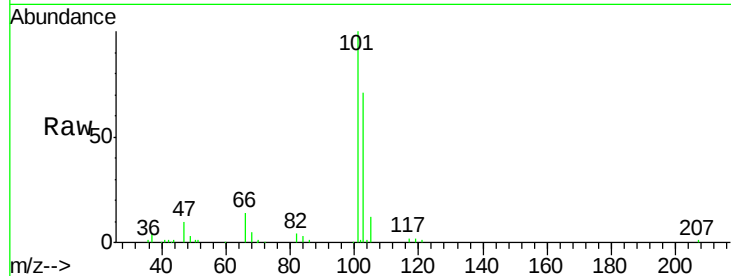
Trichlorofluoromethane
 Concen: 19.840 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VY002246.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	71.2	53.3	79.9

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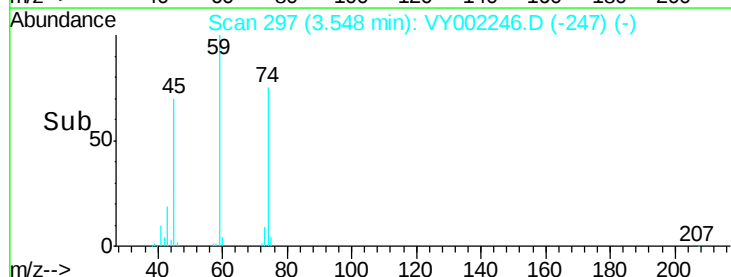
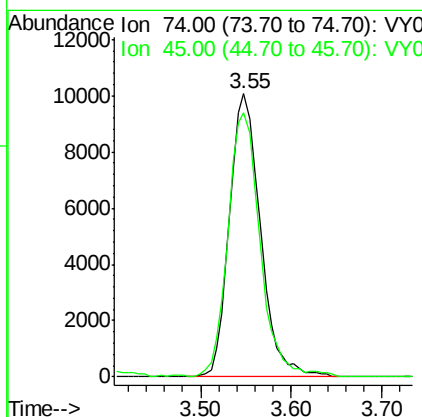
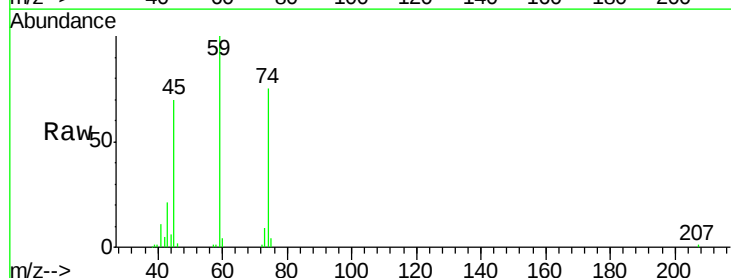
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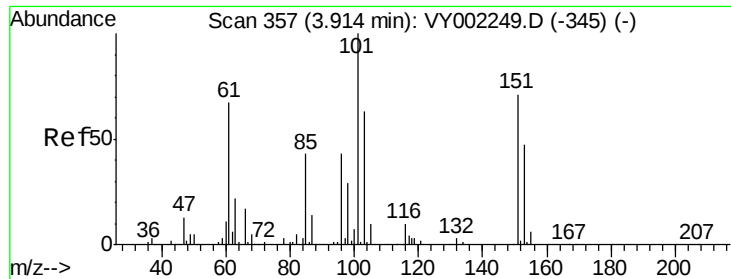


#8

Diethyl Ether
 Concen: 20.538 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. 0.01 min
 Lab File: VY002246.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.450 ug/l

RT: 3.92 min Scan# 358

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

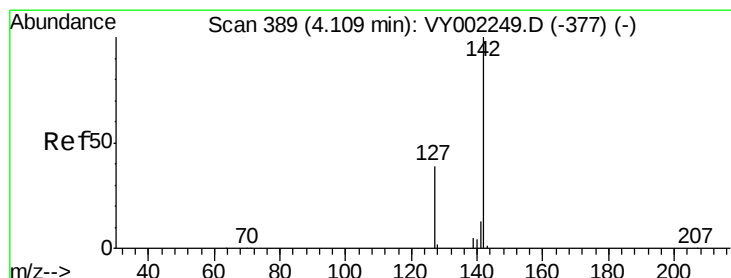
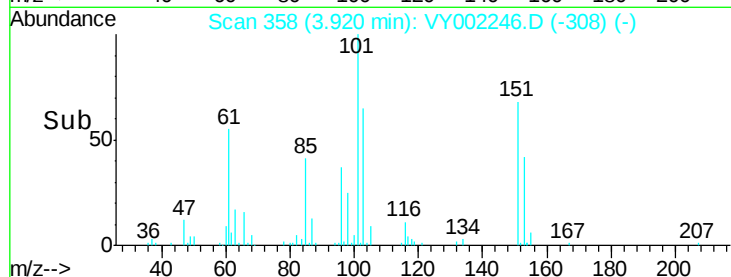
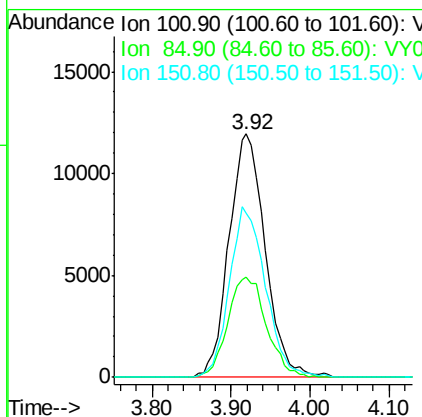
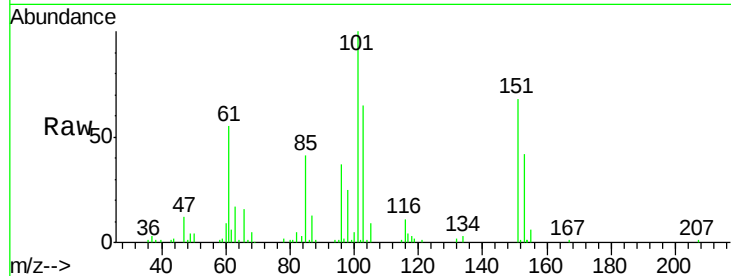
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	38162
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.6	52.0
151	69.6	57.6	86.4

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#10

Methyl Iodide

Concen: 20.579 ug/l

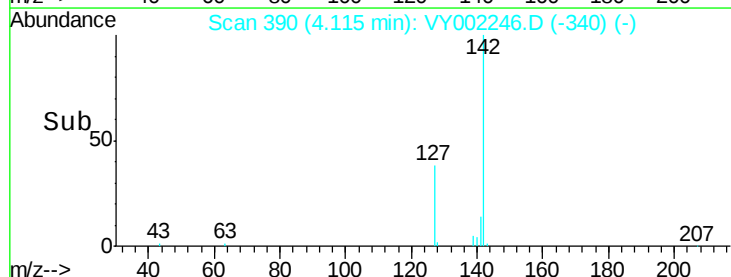
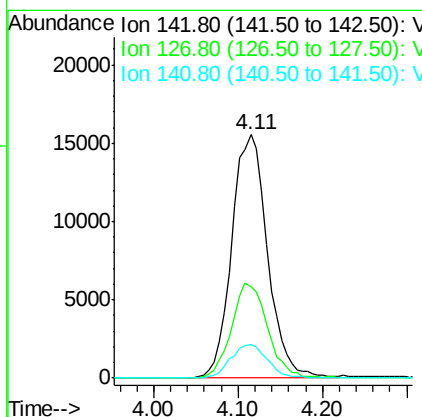
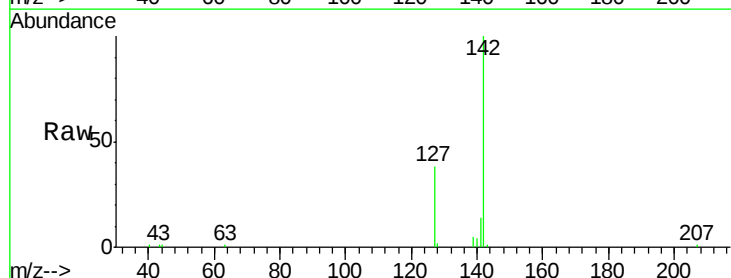
RT: 4.11 min Scan# 390

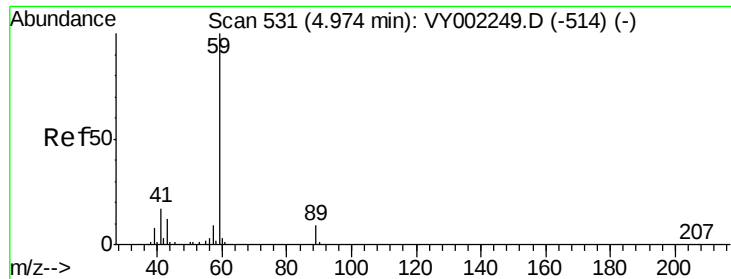
Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Tgt Ion:	142	Resp:	44638
Ion Ratio	Lower	Upper	
142	100		
127	39.6	32.4	48.6
141	14.2	11.2	16.8





#11

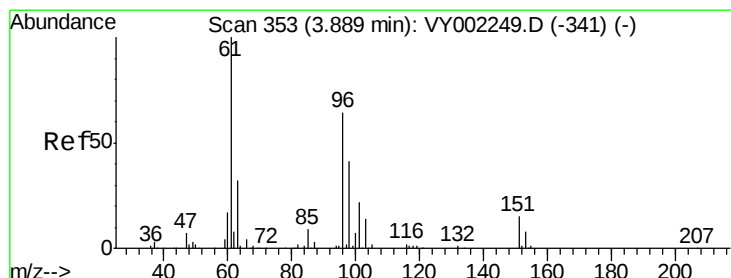
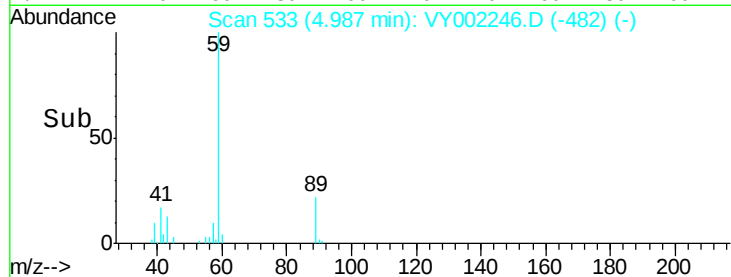
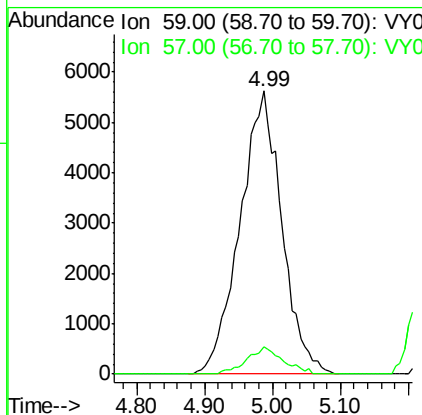
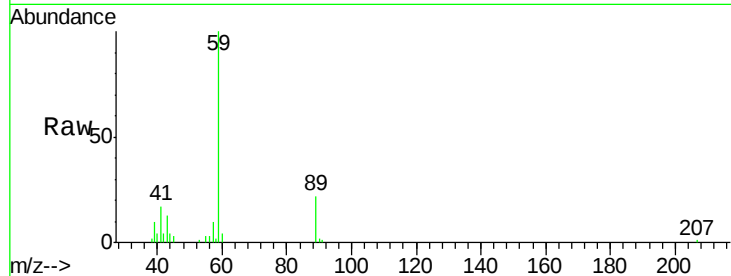
Tert butyl alcohol
Concen: 104.500 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	24022		
57	8.4		6.6	9.8

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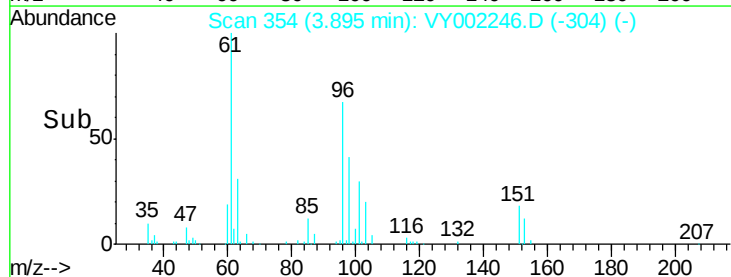
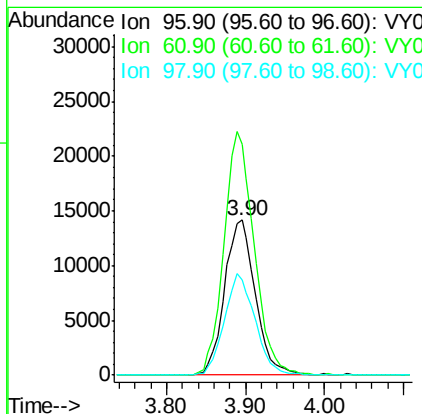
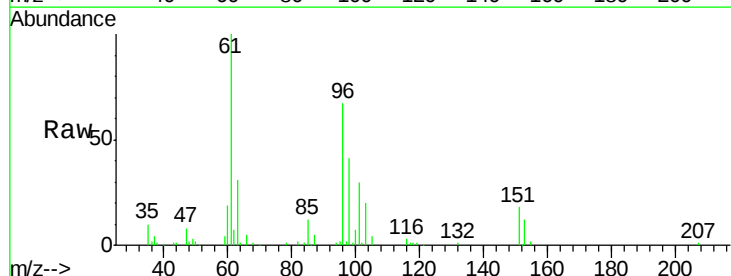
MMDadoda
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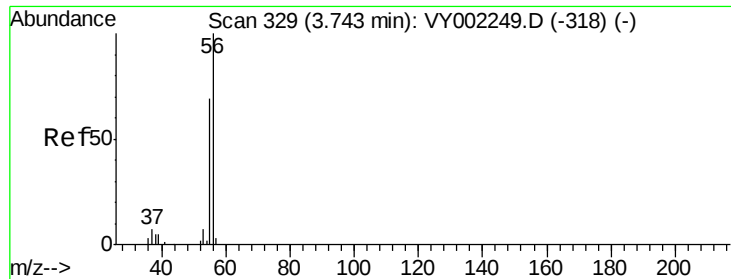


#12

1,1-Dichloroethene
Concen: 20.248 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	38415		
61	149.2		125.9	188.9
98	61.4		51.1	76.7





#13

Acrolein

Concen: 99.430 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 22401

Ion Ratio Lower Upper

56 100

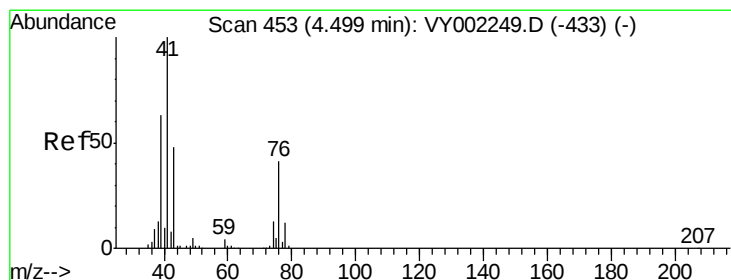
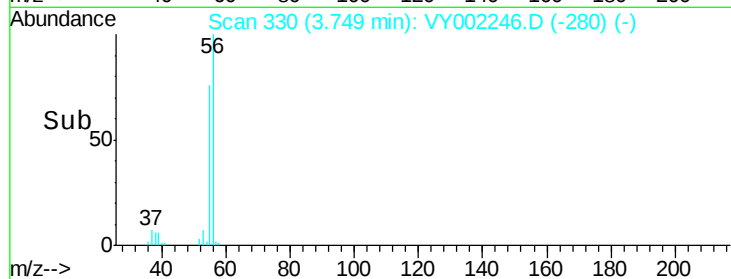
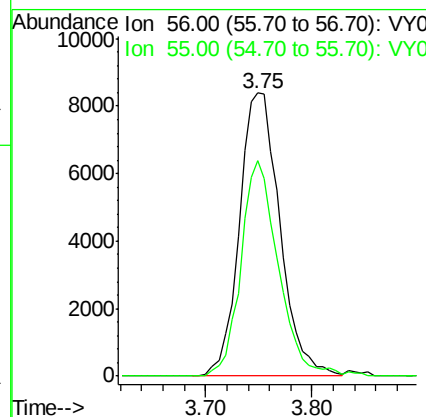
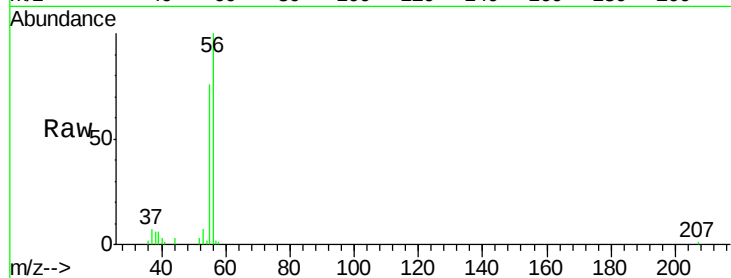
55 70.5 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.446 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

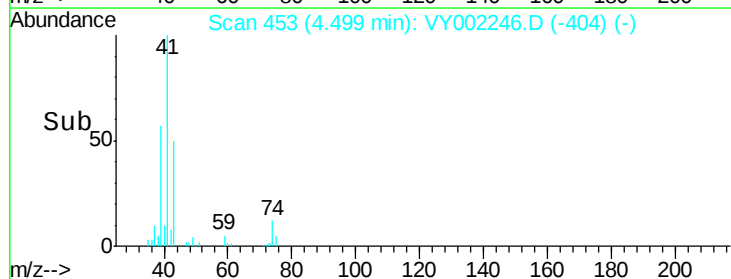
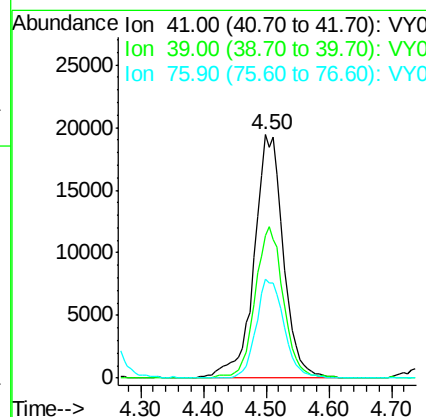
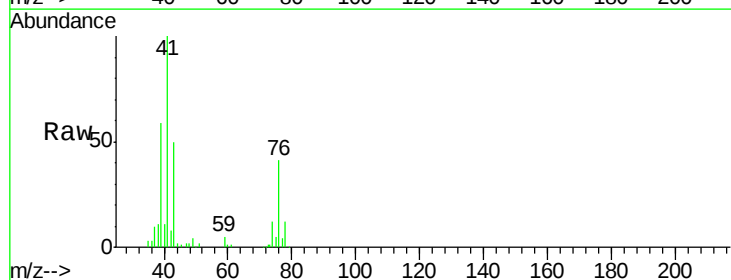
Tgt Ion: 41 Resp: 62641

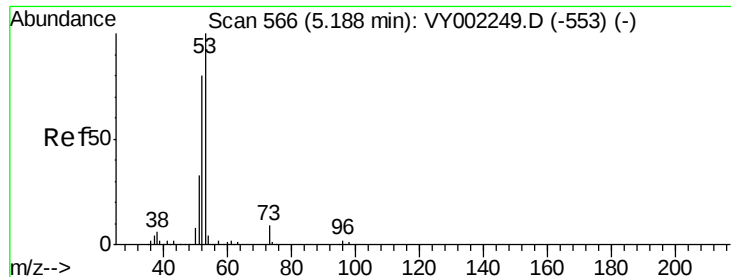
Ion Ratio Lower Upper

41 100

39 60.2 48.0 72.0

76 38.5 31.0 46.6





#15

Acrylonitrile

Concen: 104.914 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

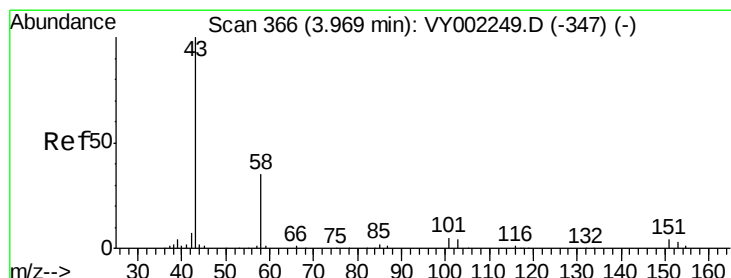
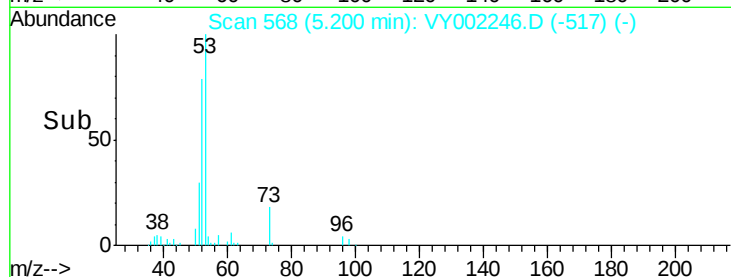
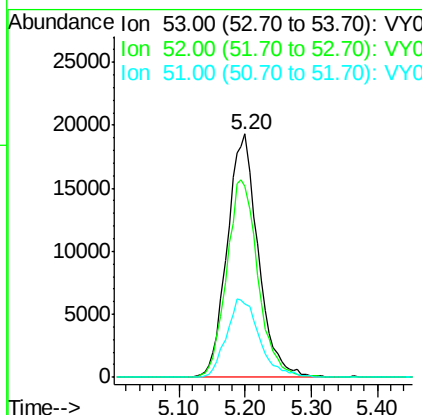
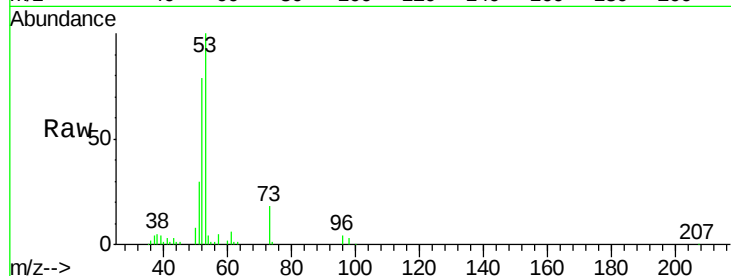
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	62658
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.1	97.7
51	34.1	27.1	40.7

Manual Integrations
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#16

Acetone

Concen: 101.404 ug/l

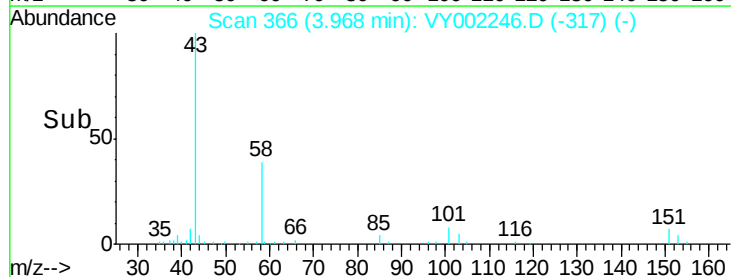
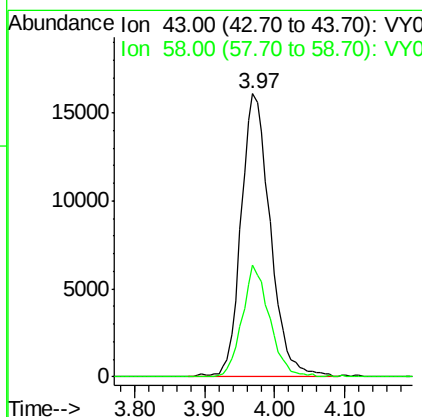
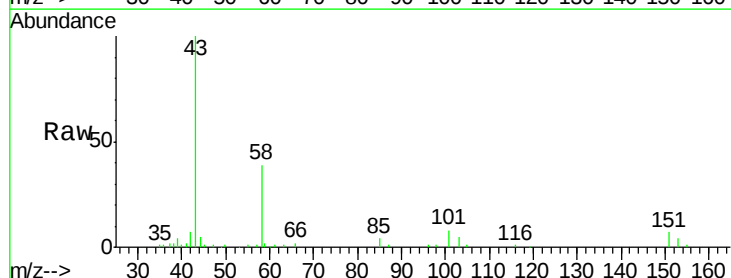
RT: 3.97 min Scan# 366

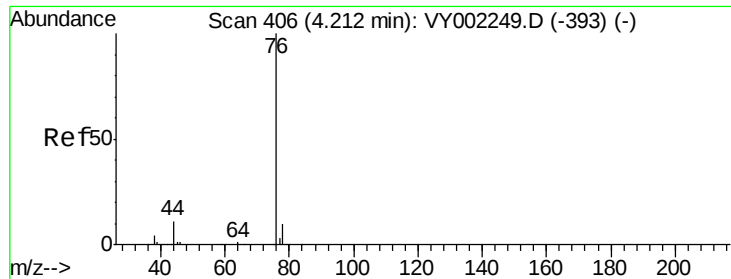
Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Tgt Ion:	43	Resp:	46667
Ion	Ratio	Lower	Upper
43	100		
58	39.4	28.5	42.7





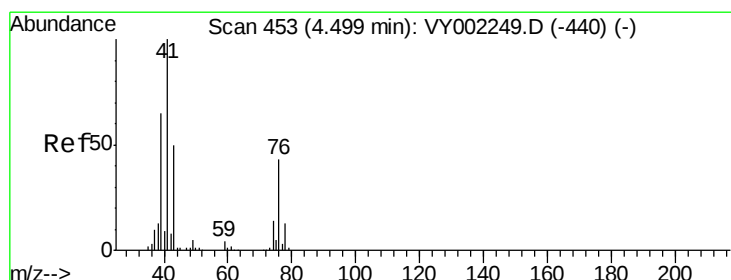
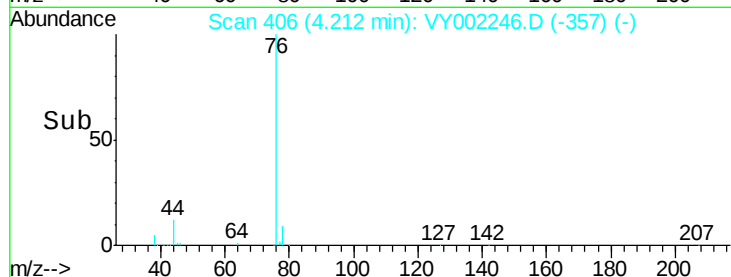
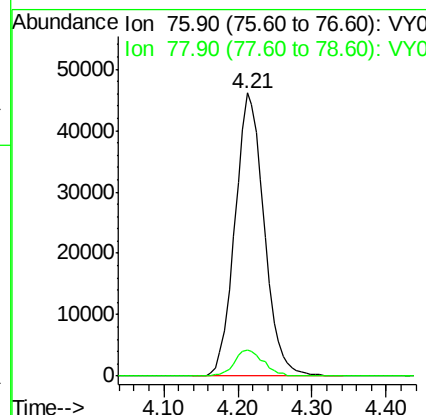
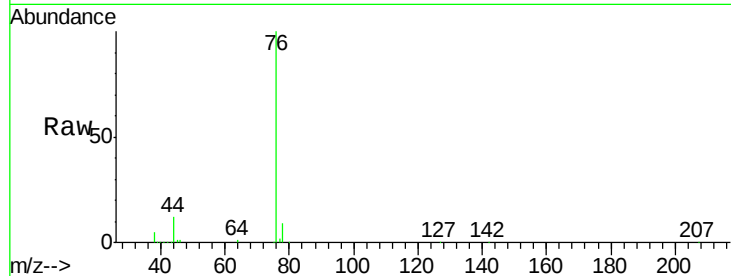
#17
Carbon Disulfide
Concen: 20.090 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.00 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.7	11.5

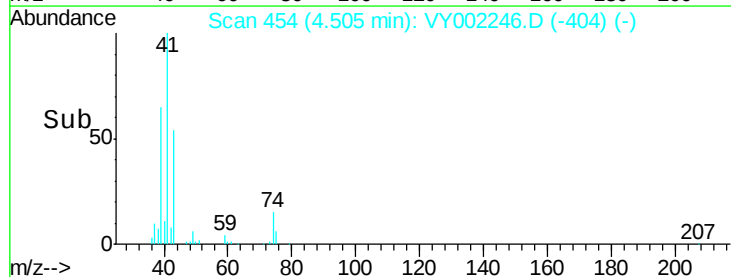
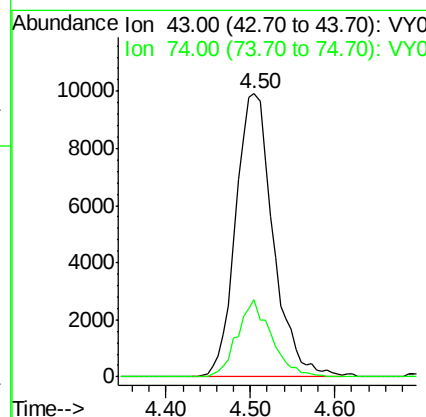
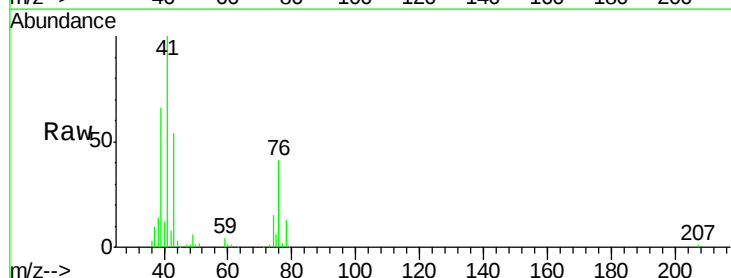
Manual Integrations
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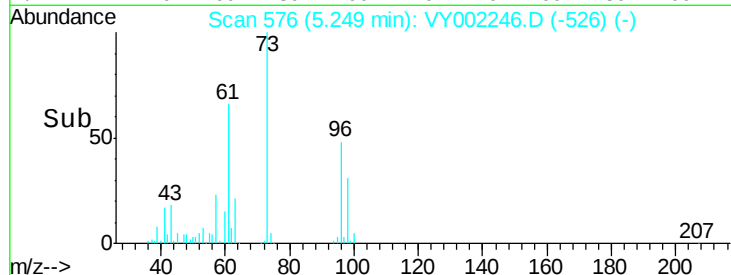
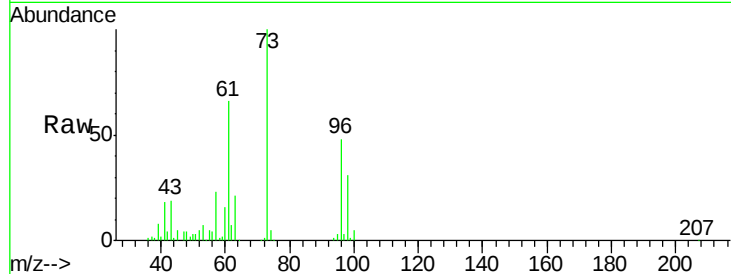
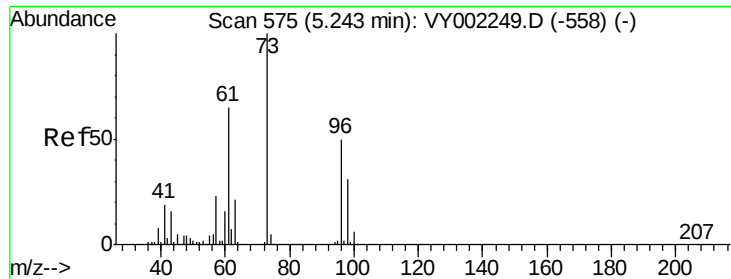
MMDadoda
4/9/2020 11:31:47 AM



#18
Methyl Acetate
Concen: 20.917 ug/l
RT: 4.50 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	20.3	30.5





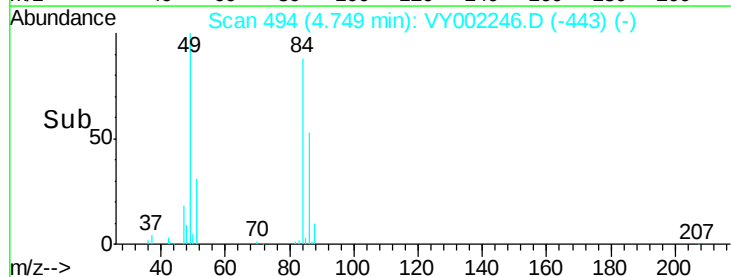
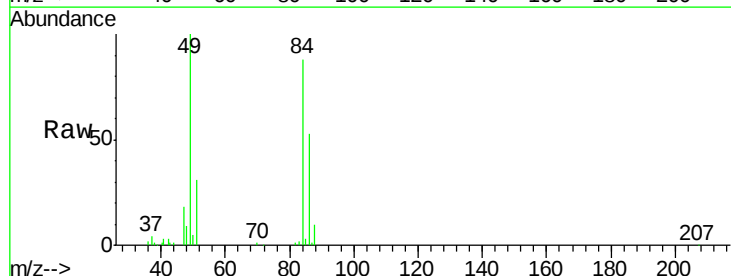
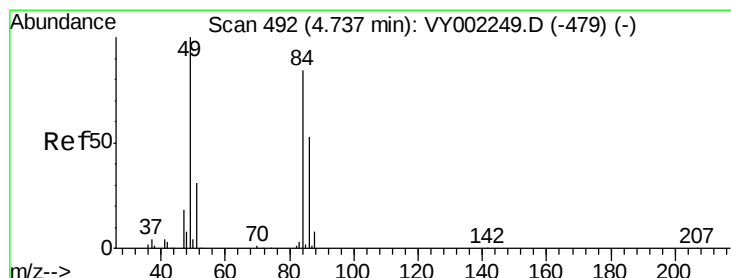
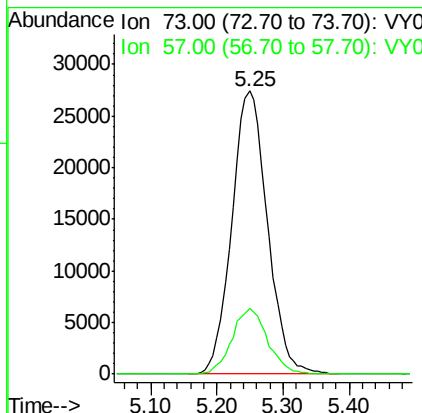
#19
Methyl tert-butyl Ether
Concen: 20.533 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tot Ion: 73 Resp: 102413
Ion Ratio Lower Upper
73 100
57 23.3 18.7 28.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

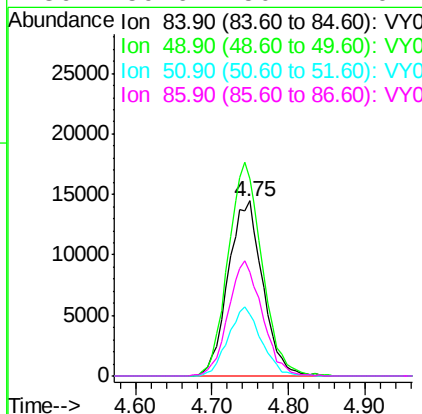
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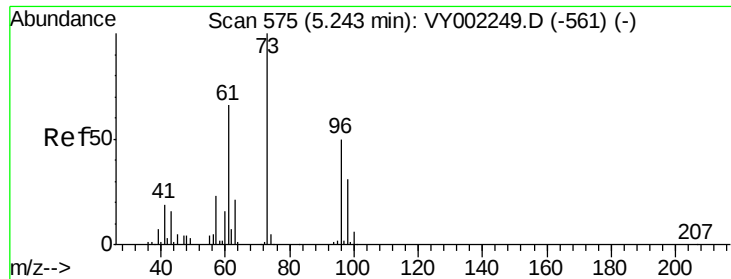
MMDadoda
4/9/2020 11:31:47 AM



#20
Methylene Chloride
Concen: 19.958 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion: 84 Resp: 45145
Ion Ratio Lower Upper
84 100
49 113.0 95.5 143.3
51 35.3 29.5 44.3
86 59.6 50.7 76.1





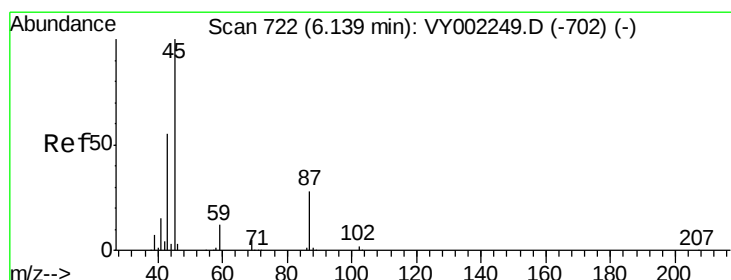
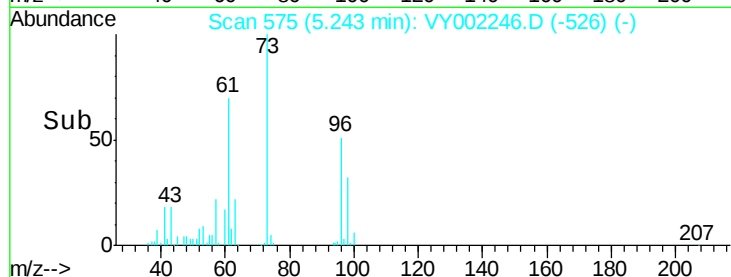
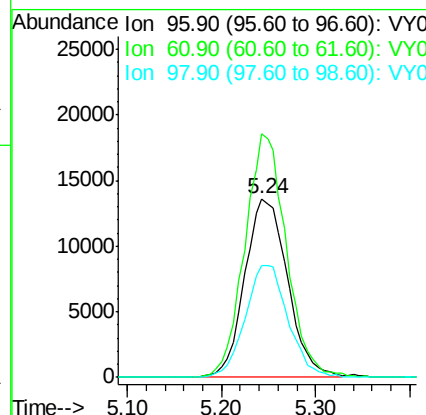
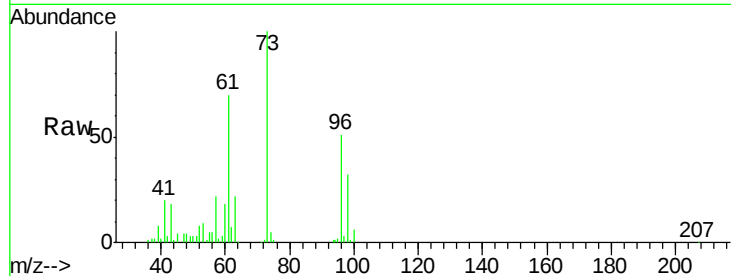
#21
trans-1,2-Dichloroethene
Concen: 20.395 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.00 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.2	104.6	157.0
98	62.6	50.1	75.1

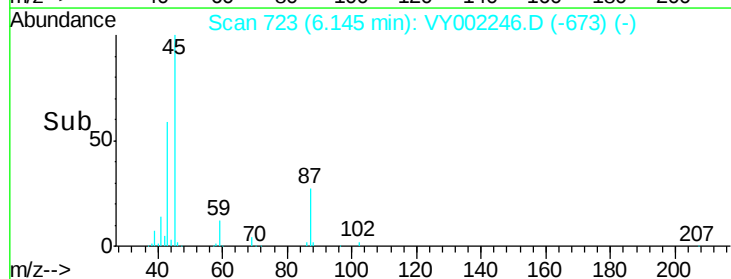
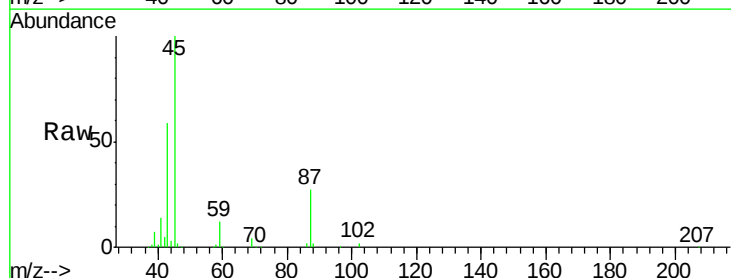
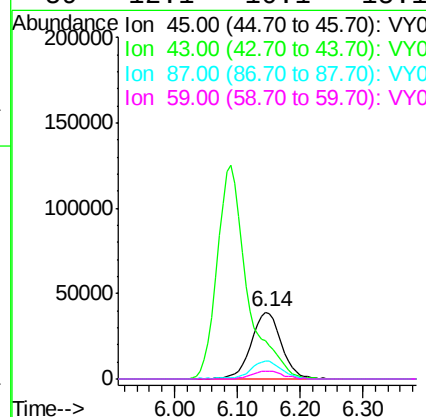
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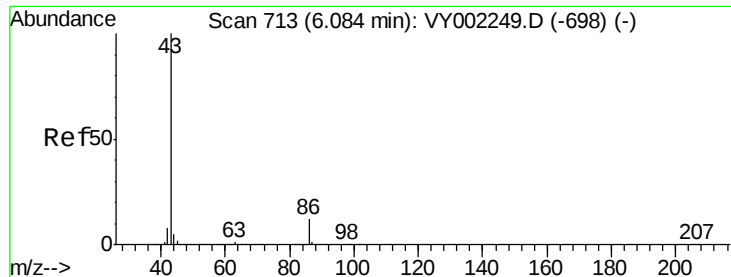
MMDadoda
4/9/2020 11:31:47 AM



#22
Diisopropyl ether
Concen: 21.290 ug/l
RT: 6.14 min Scan# 723
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	44.7	67.1
87	26.7	23.0	34.4
59	12.1	10.1	15.1





#23

Vinyl Acetate

Concen: 105.726 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 415399

Ion Ratio Lower Upper

43 100

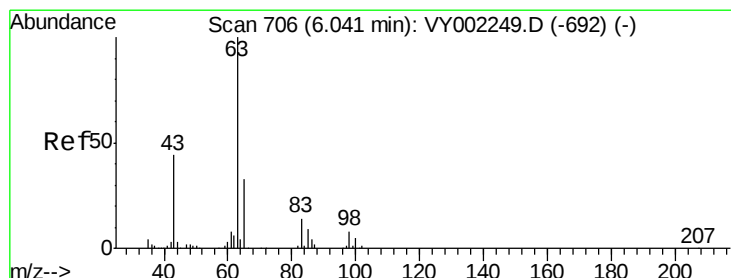
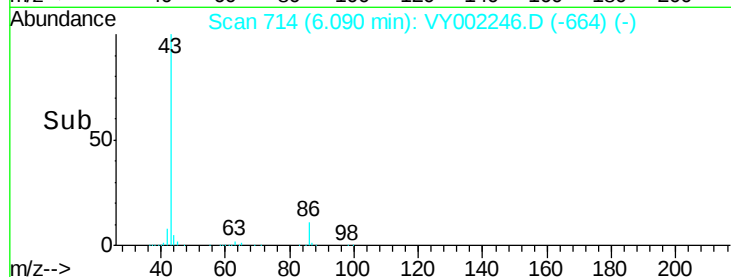
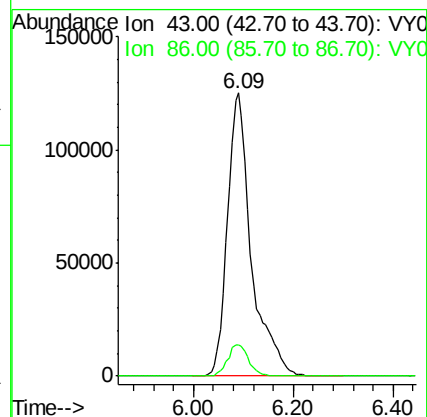
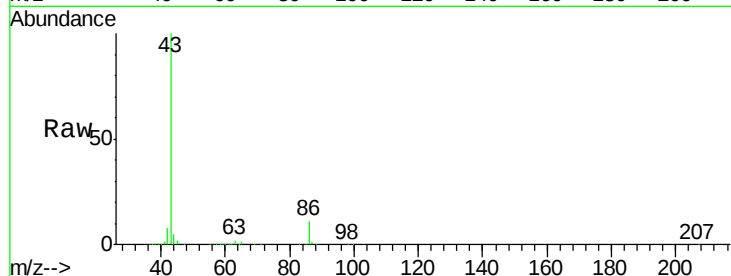
86 11.1 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.608 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

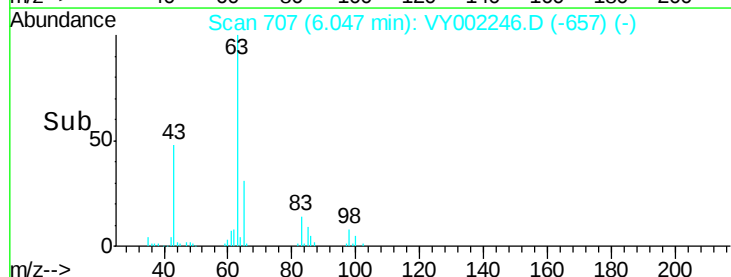
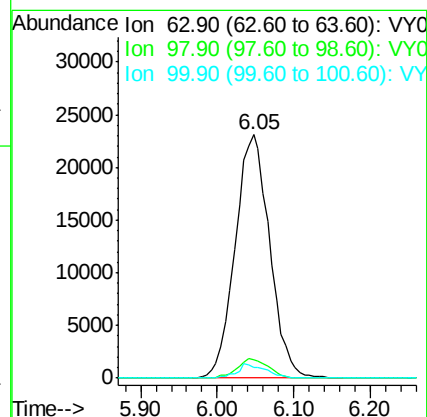
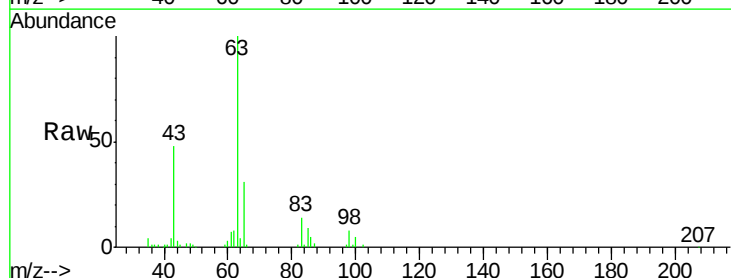
Tgt Ion: 63 Resp: 72270

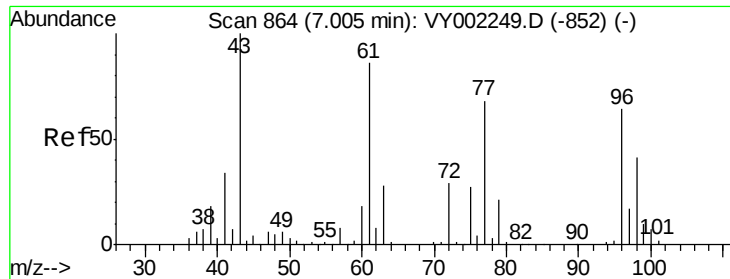
Ion Ratio Lower Upper

63 100

98 7.7 4.0 12.0

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 103.476 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 75362

Ion Ratio Lower Upper

43 100

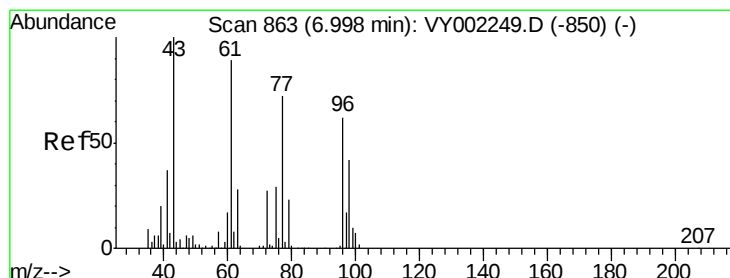
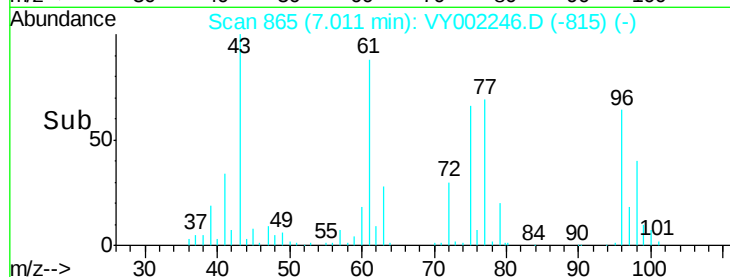
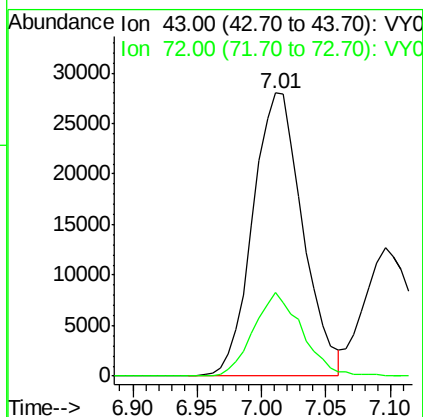
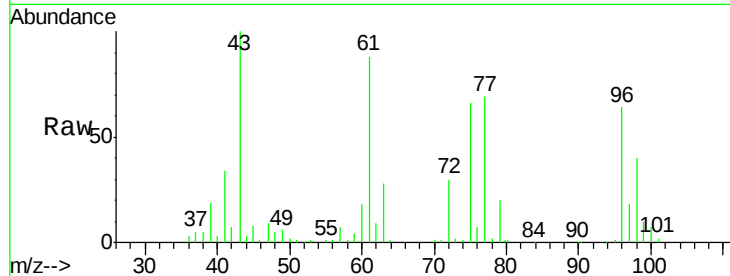
72 29.8 23.2 34.8

Manual Integrations

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4/9/2020 11:31:47 AM



#26

2,2-Dichloropropane

Concen: 19.903 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002246.D

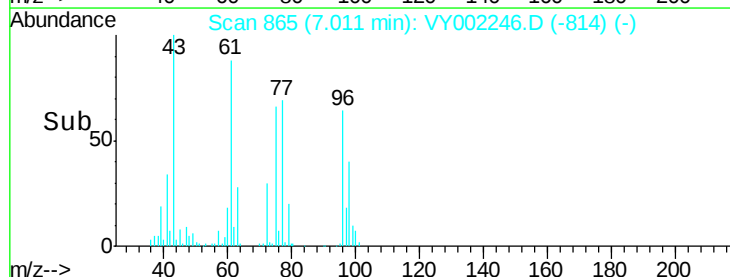
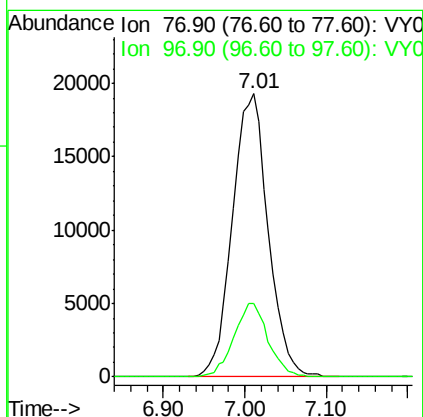
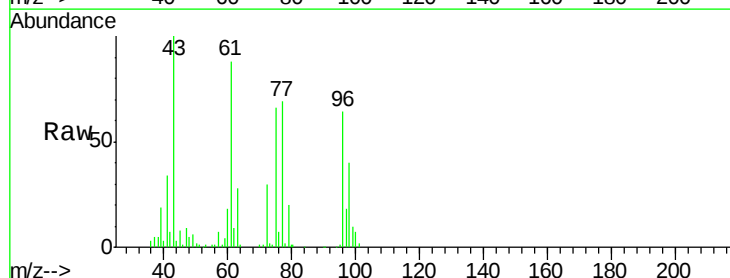
Acq: 08 Apr 2020 12:09

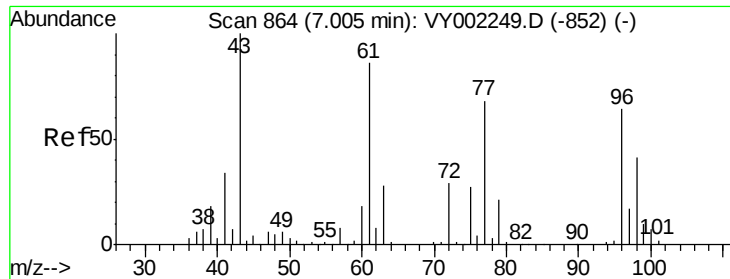
Tgt Ion: 77 Resp: 58385

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

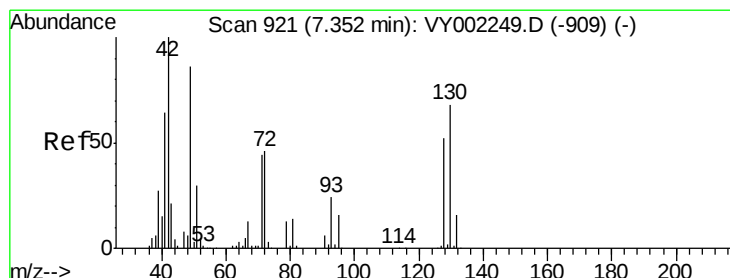
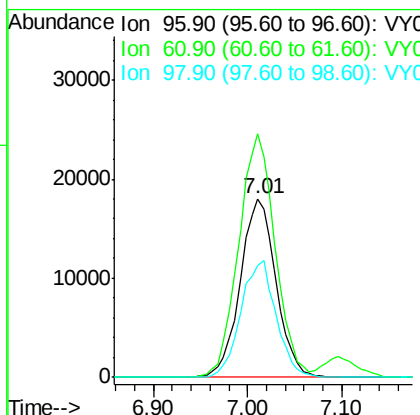
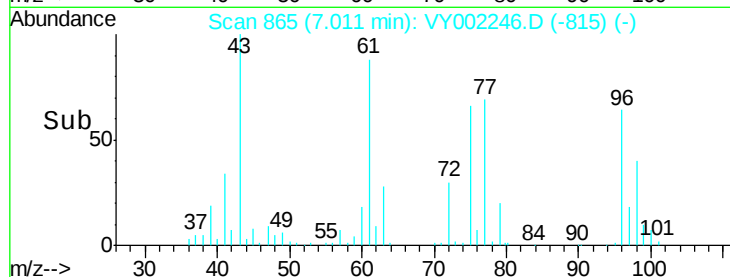
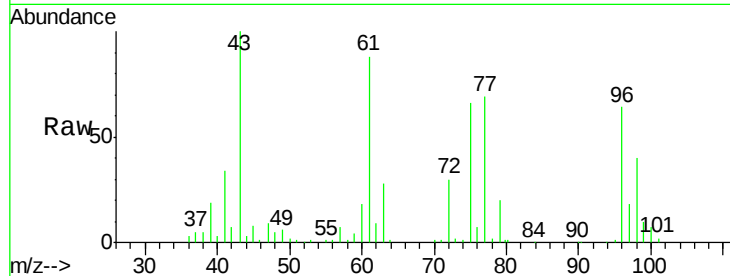
cis-1,2-Dichloroethene
Concen: 20.659 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	47956		
61	138.5	0.0	278.0	
98	64.5	0.0	128.6	

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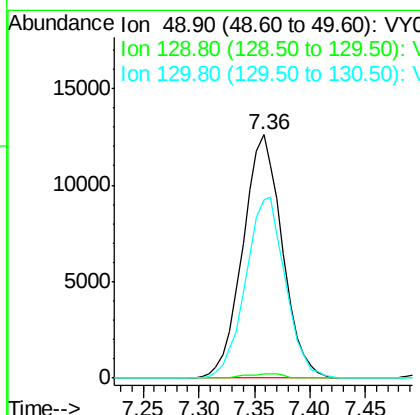
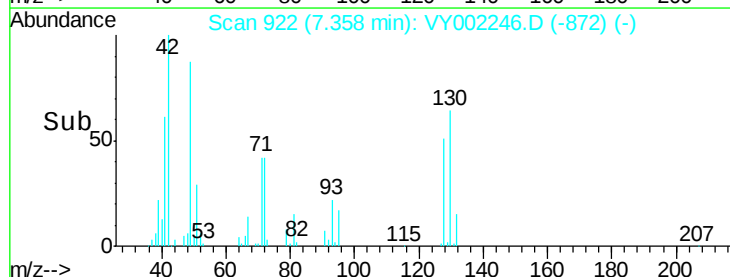
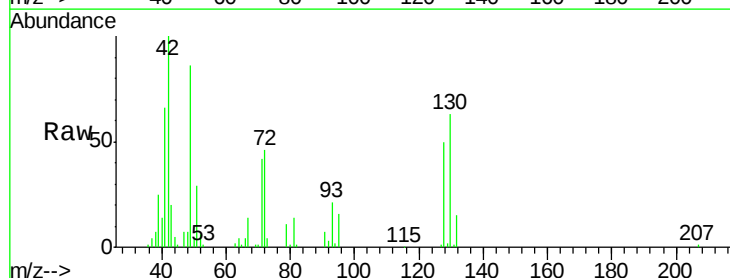
MMDadoda
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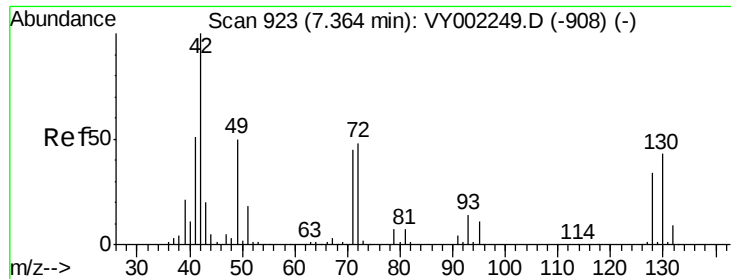


#28

Bromochloromethane
Concen: 20.509 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	31048		
129	1.6	0.0	4.2	
130	75.0	60.9	91.3	





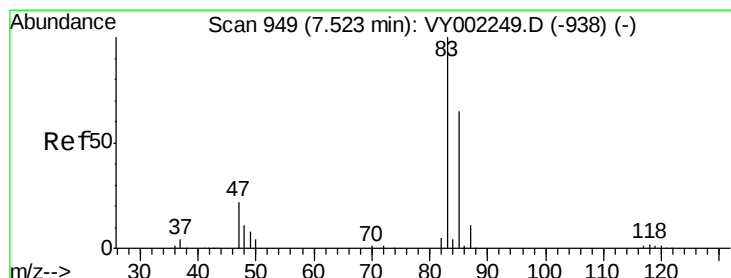
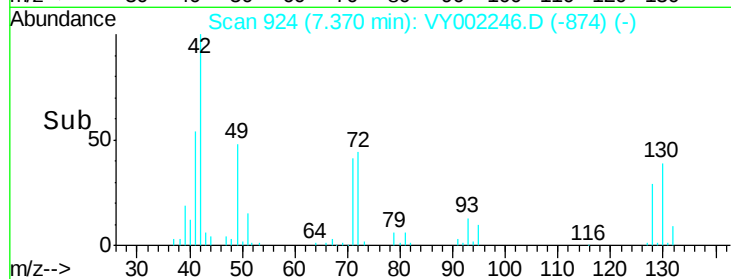
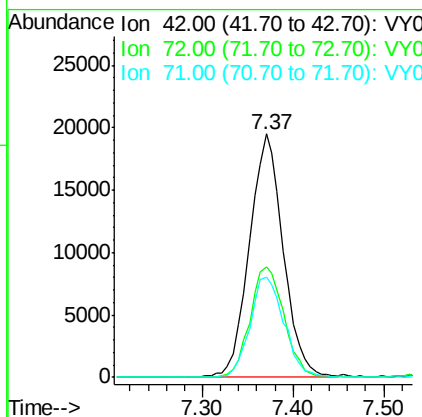
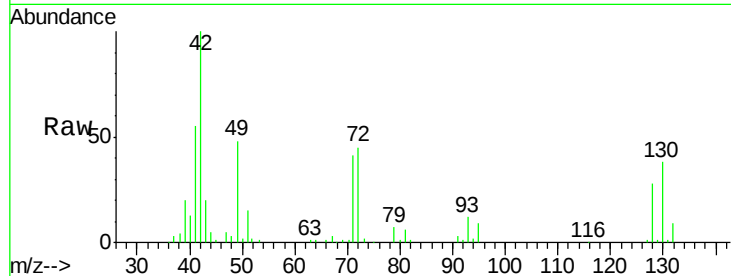
#29
Tetrahydrofuran
Concen: 104.734 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.7	55.1
71	41.5	34.7	52.1

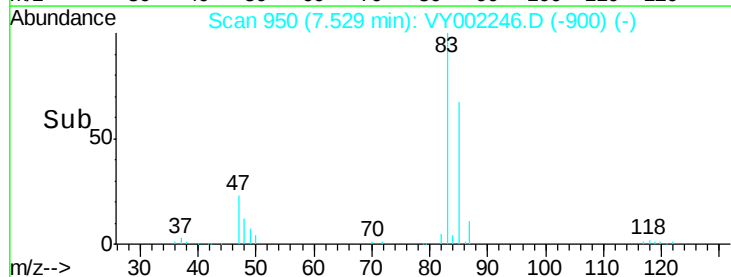
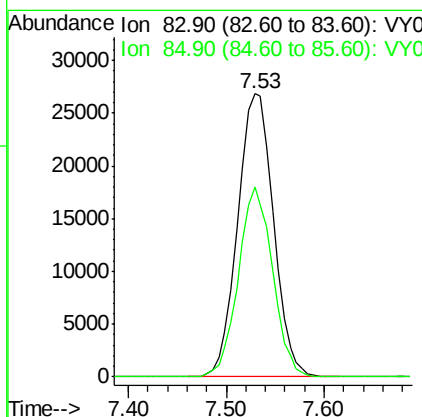
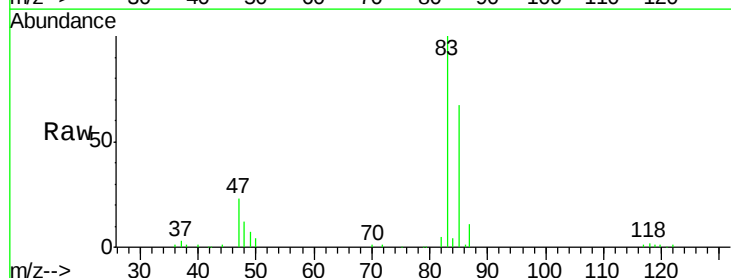
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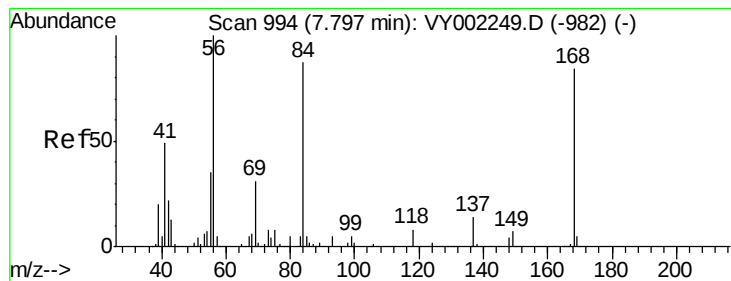
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#30
Chloroform
Concen: 20.634 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.0	78.0





#31

Cyclohexane

Concen: 20.189 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 74318

Ion Ratio Lower Upper

56 100

69 37.6 25.0 37.6#

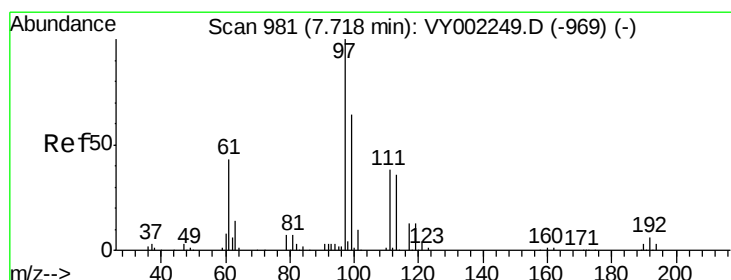
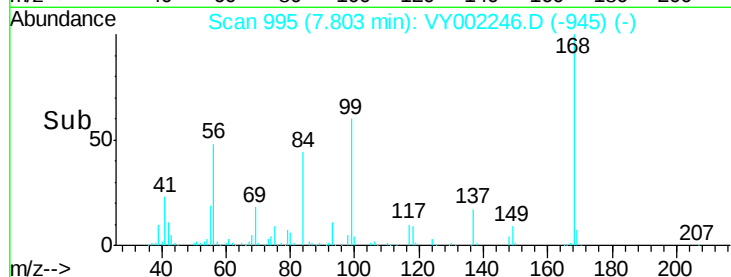
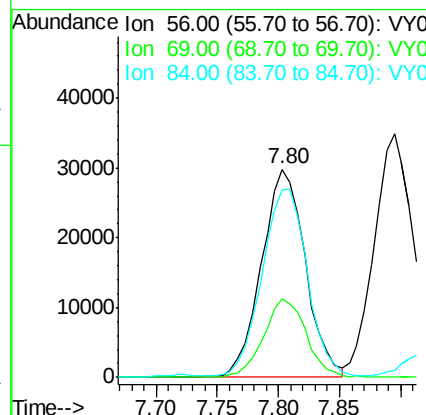
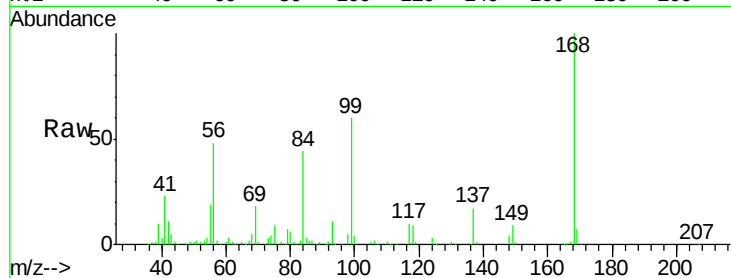
84 89.0 69.7 104.5

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#32

1,1,1-Trichloroethane

Concen: 20.522 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

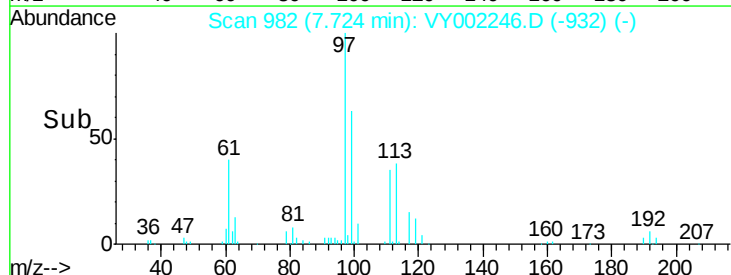
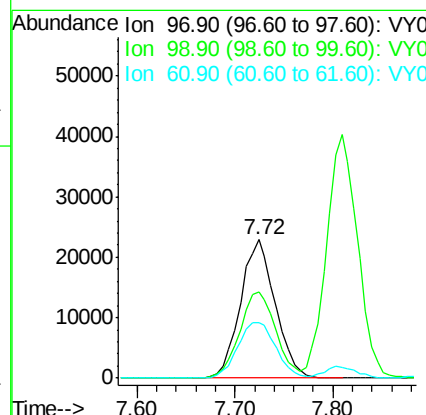
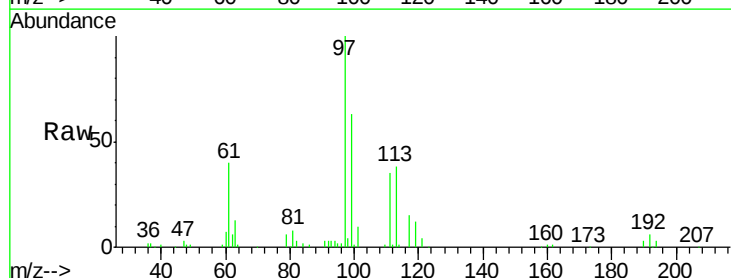
Tgt Ion: 97 Resp: 56465

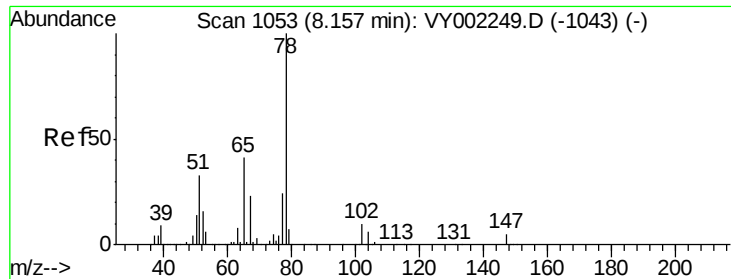
Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

61 43.7 34.3 51.5





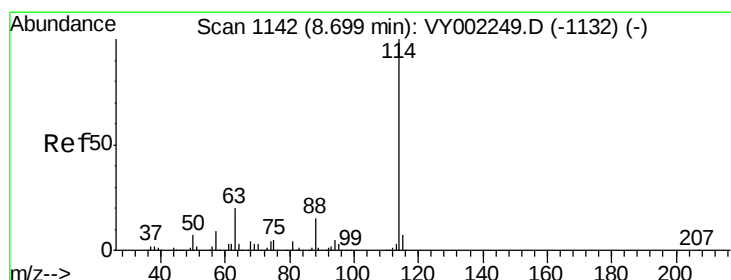
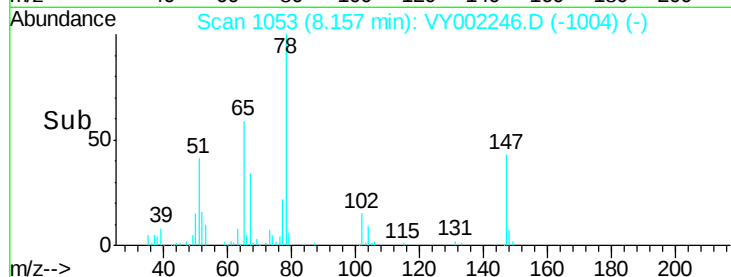
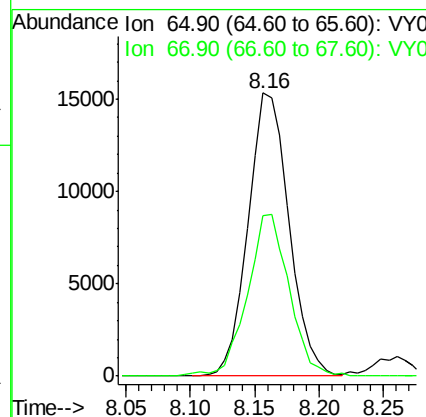
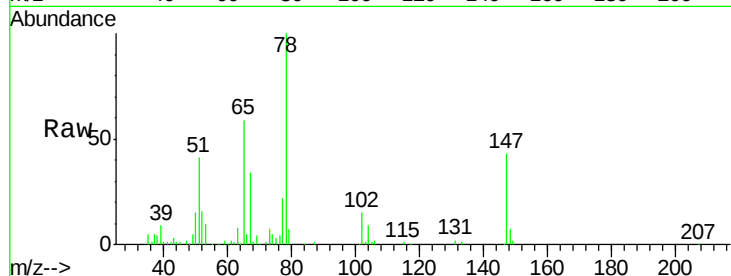
#33
 1,2-Dichloroethane-d4
 Concen: 19.314 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	65	Resp	33748
Ion Ratio	100	Lower	Upper
67	57.8	0.0	114.0

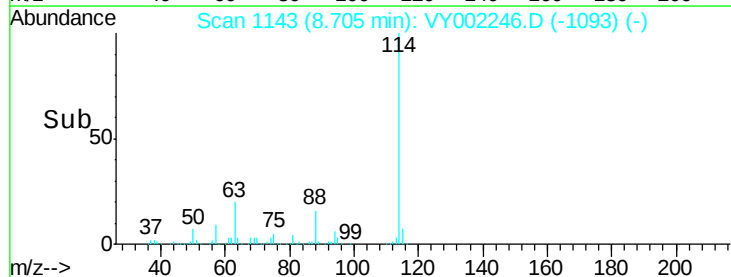
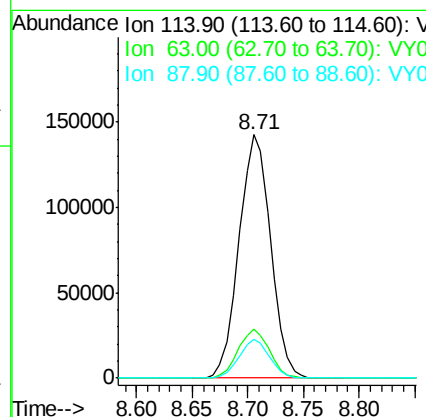
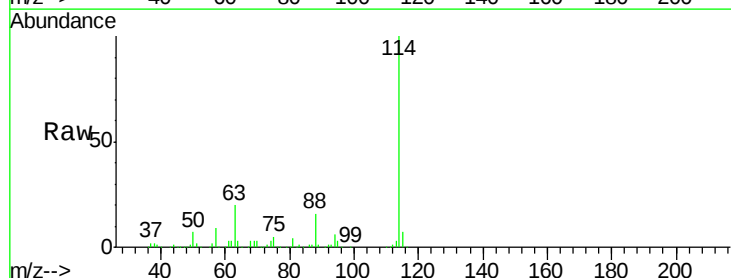
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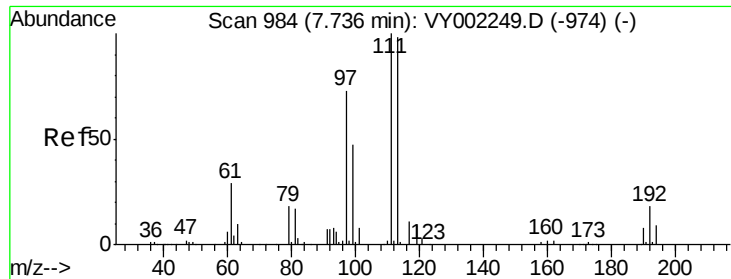
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Tgt Ion	114	Resp	280390
Ion Ratio	100	Lower	Upper
63	20.1	0.0	39.0
88	15.8	0.0	31.0





#35

Dibromofluoromethane

Concen: 19.646 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

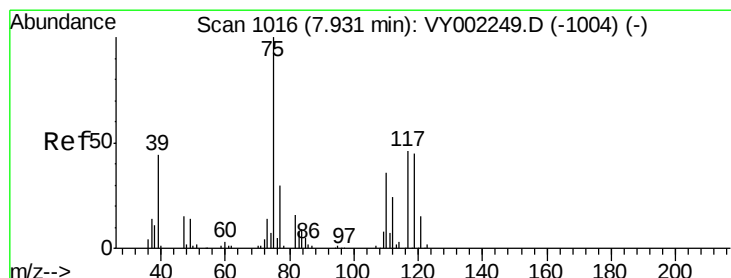
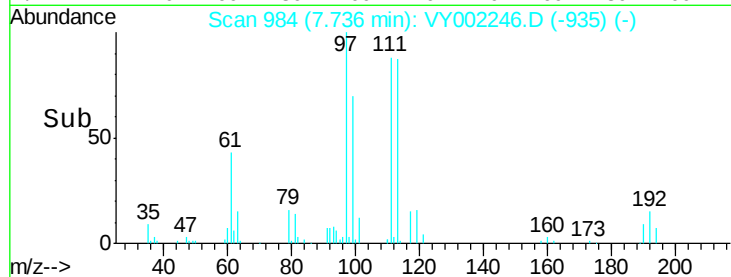
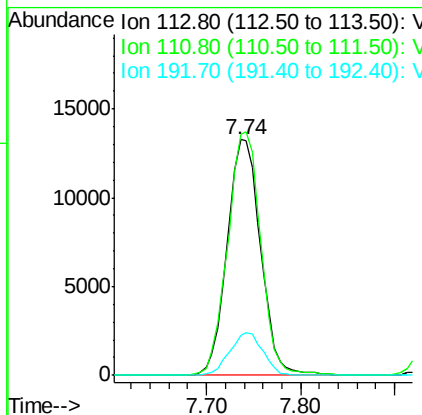
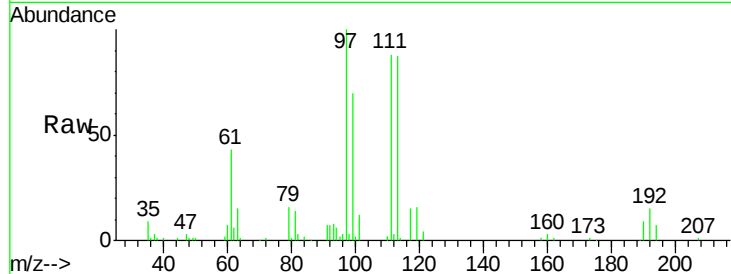
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	32778
Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.5	125.3
192	17.8	14.7	22.1

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#36

1,1-Dichloropropene

Concen: 21.351 ug/l

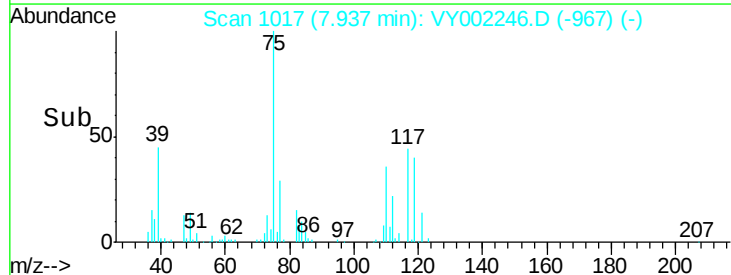
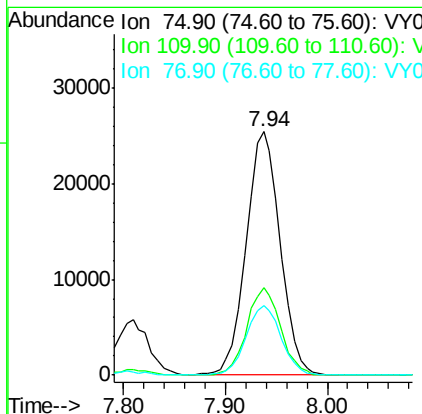
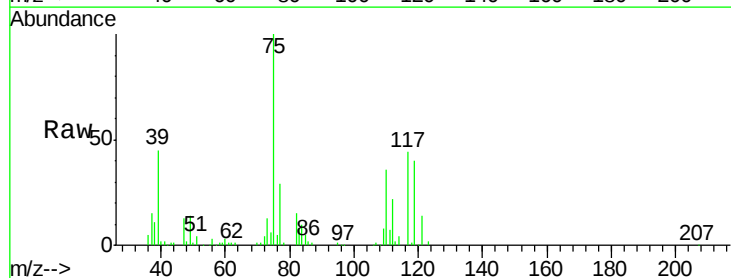
RT: 7.94 min Scan# 1017

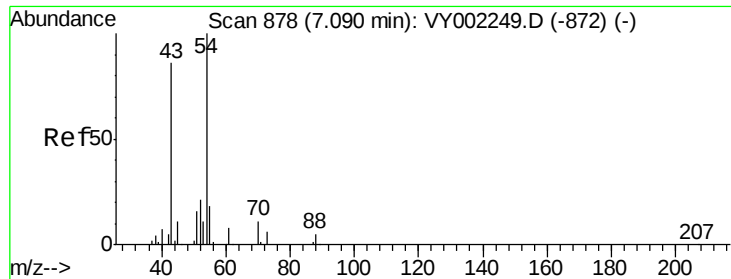
Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Tgt Ion:	75	Resp:	58967
Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.8	53.3
77	29.5	24.4	36.6





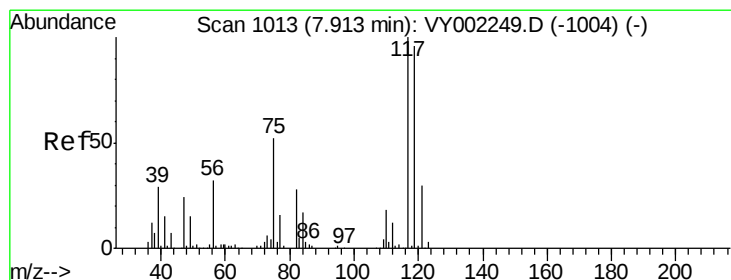
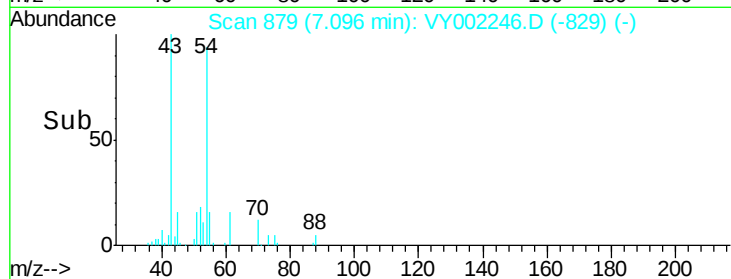
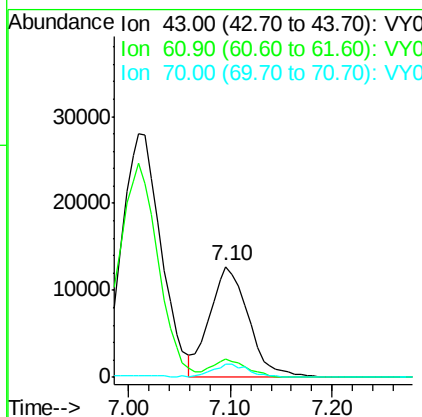
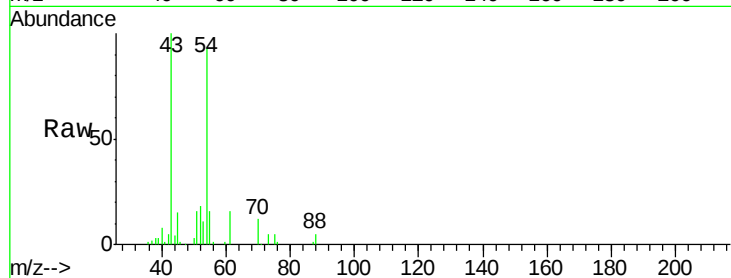
#37
Ethyl Acetate
Concen: 21.600 ug/l
RT: 7.10 min Scan# 879
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	11.0	9.1	13.7

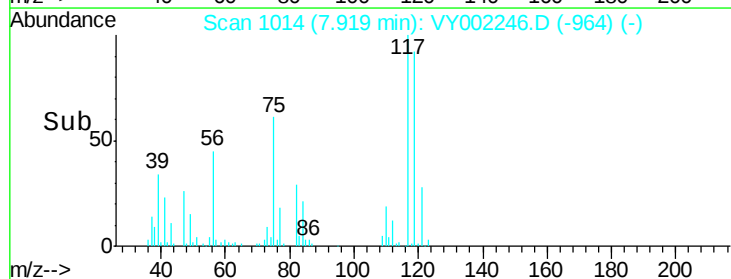
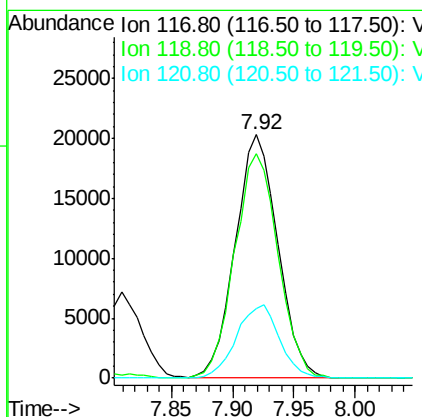
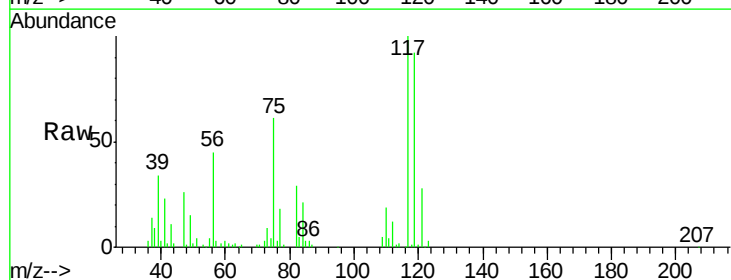
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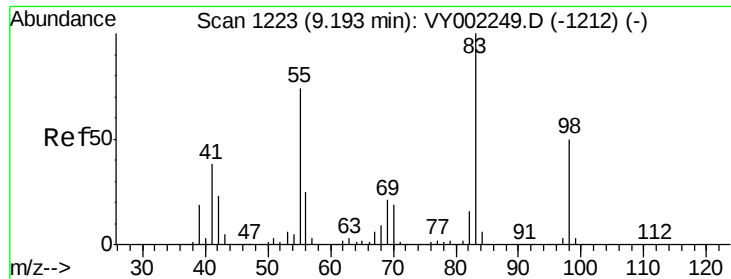
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#38
Carbon Tetrachloride
Concen: 20.819 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	77.1	115.7
121	28.4	23.9	35.9





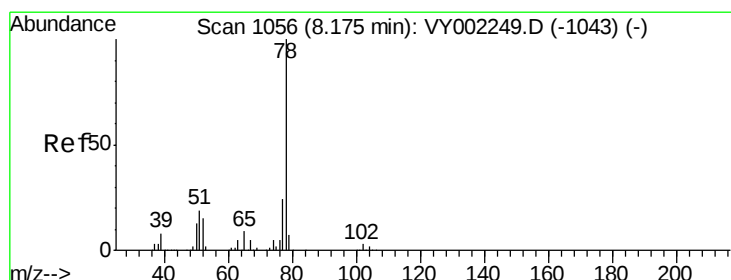
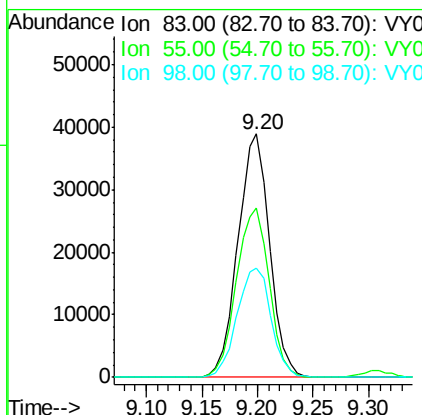
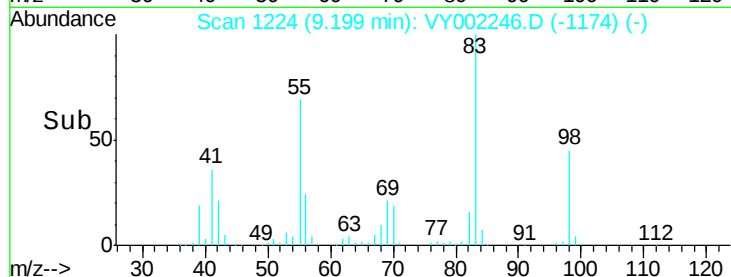
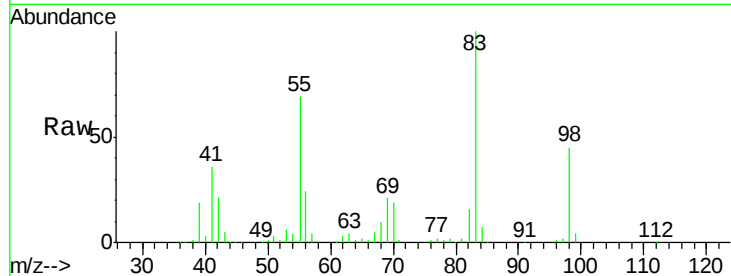
#39
Methvlcvclohexane
Concen: 20.408 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	76671
Ion Ratio	100	Lower	Upper
83	100		
55	69.4	59.3	88.9
98	44.8	39.6	59.4

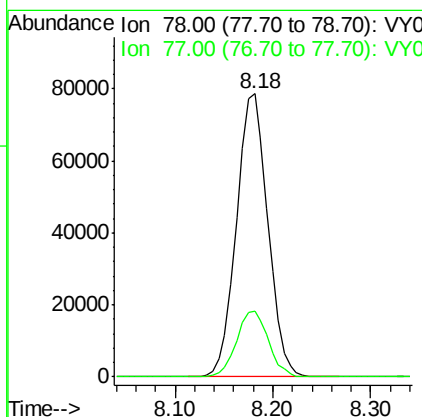
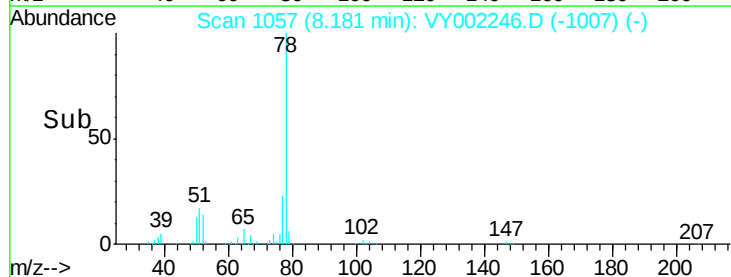
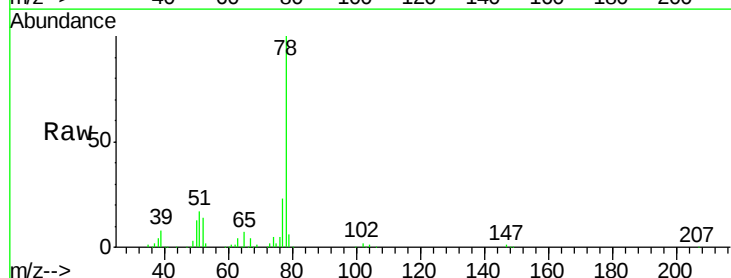
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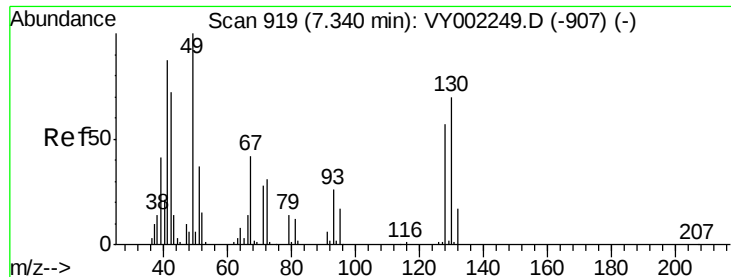
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#40
Benzene
Concen: 20.849 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion	78	Resp	174702
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	18.9	28.3





#41

Methacrylonitrile

Concen: 17.126 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 17851

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

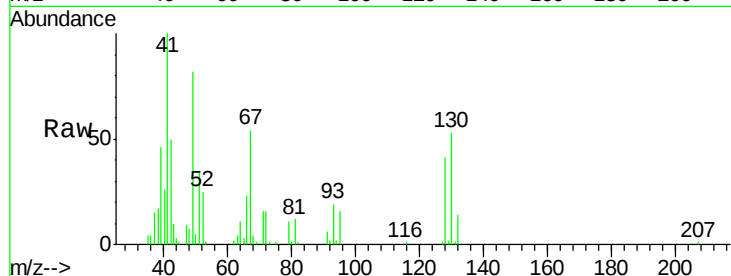
52 0.0 0.0 0.0

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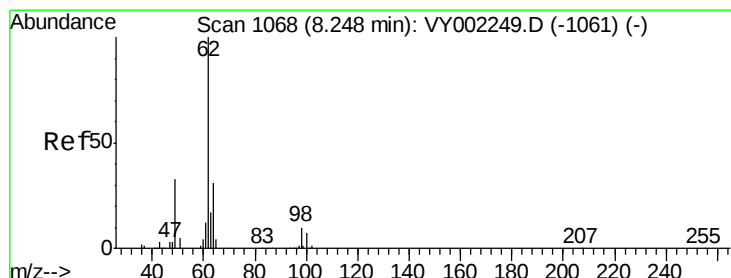
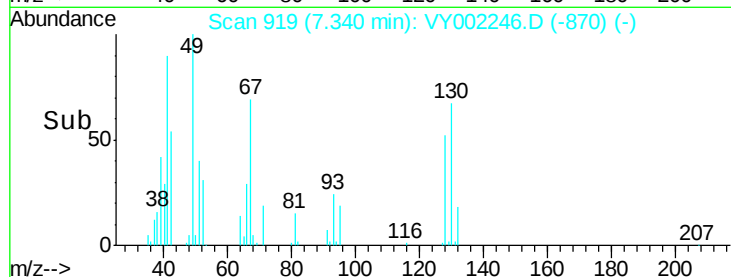
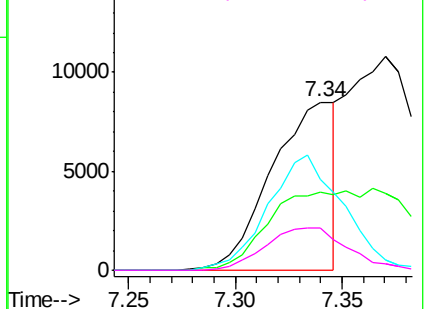


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 21.283 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VY002246.D

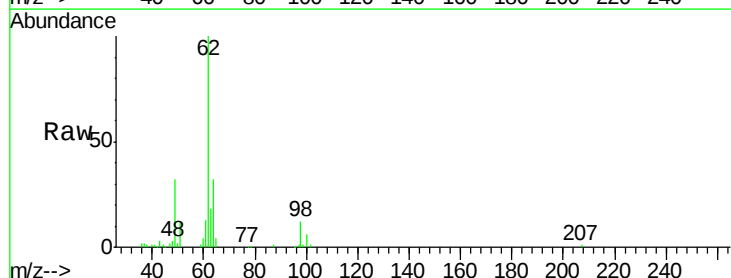
Acq: 08 Apr 2020 12:09

Tgt Ion: 62 Resp: 44176

Ion Ratio Lower Upper

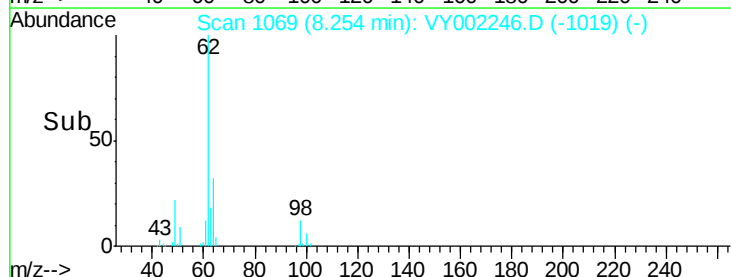
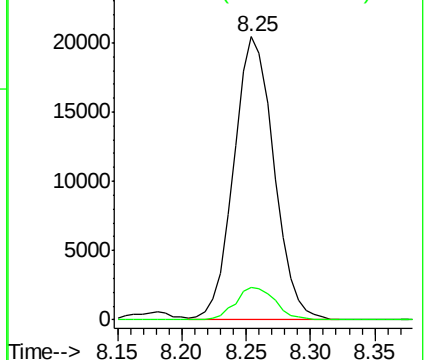
62 100

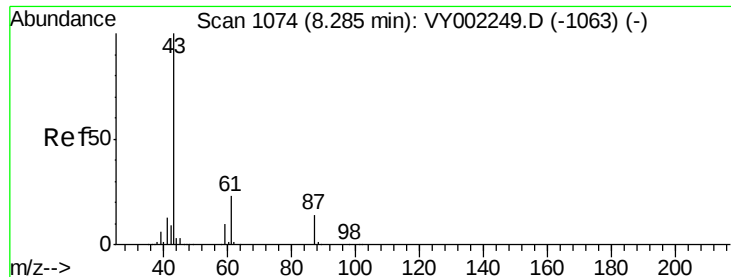
98 11.2 0.0 22.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

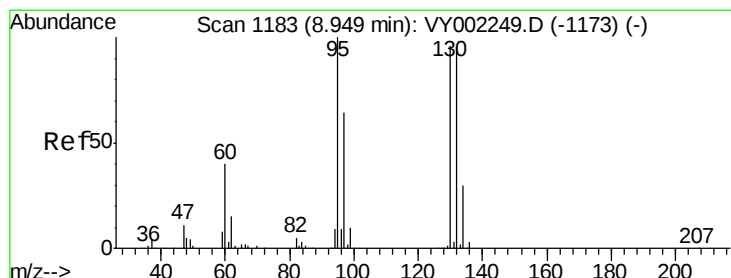
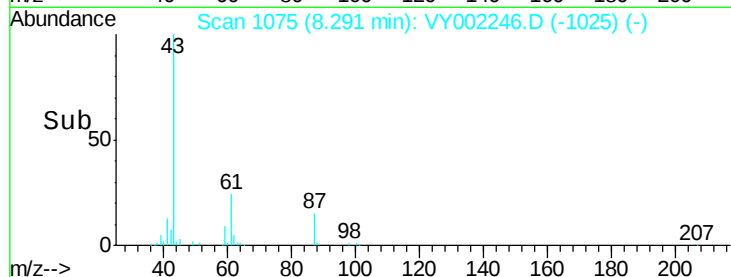
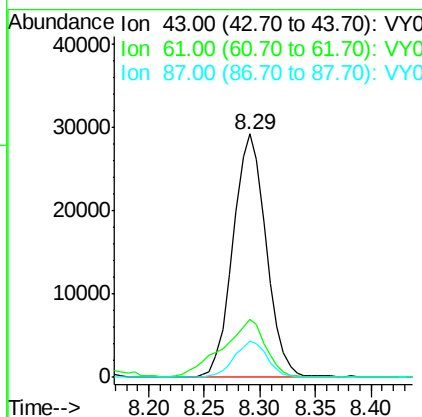
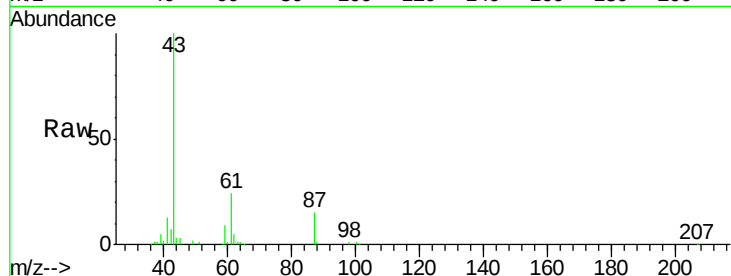
Isopropyl Acetate
 Concen: 20.989 ug/l
 RT: 8.29 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.9	37.3
87	14.7	11.7	17.5

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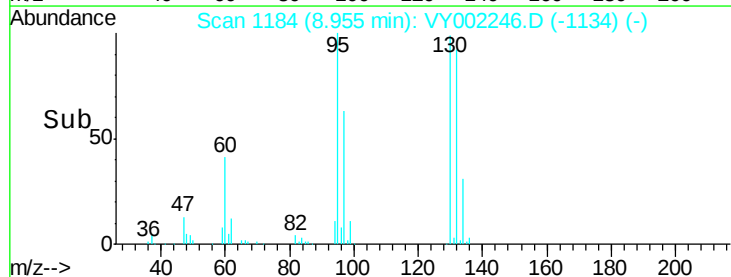
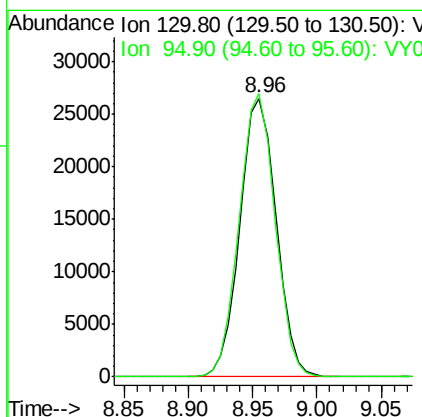
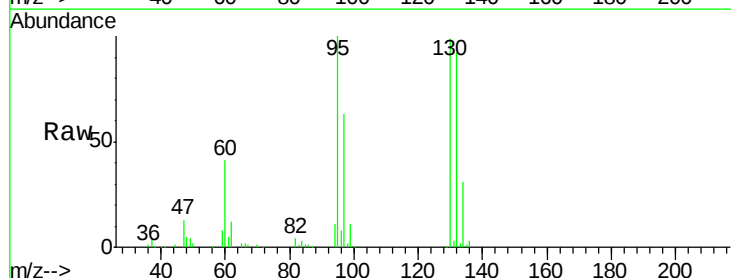
MMDadoda
 4/9/2020 11:31:47 AM

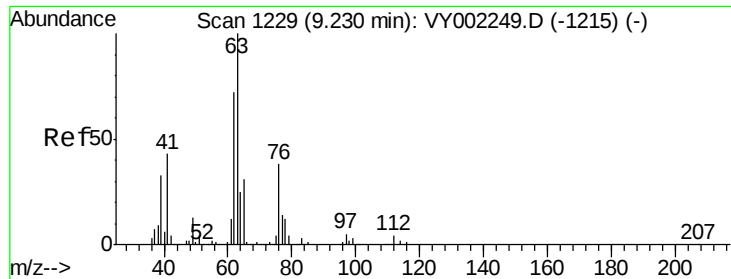


#44

Trichloroethene
 Concen: 21.027 ug/l
 RT: 8.96 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	208.2





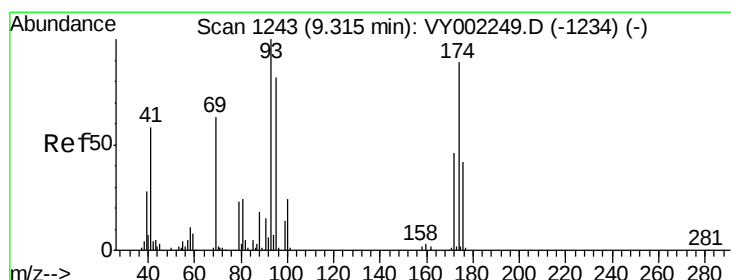
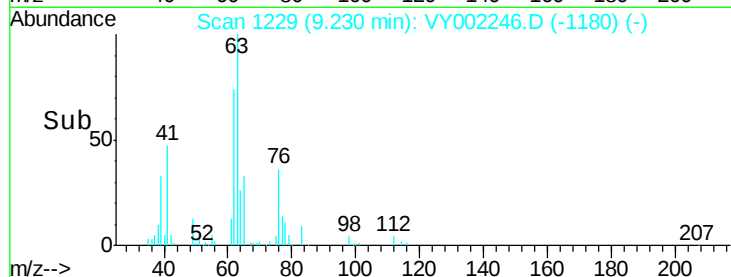
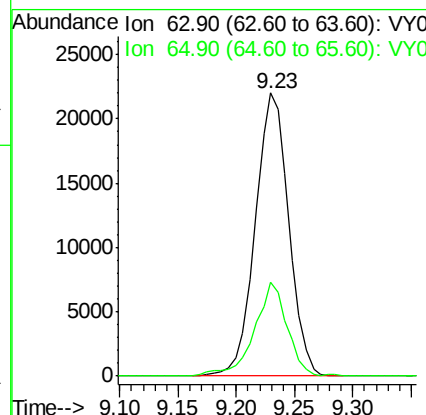
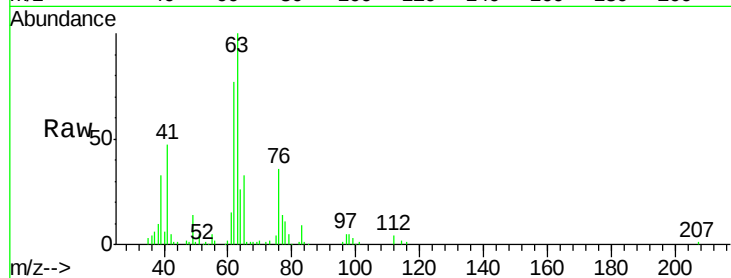
#45
 1,2-Dichloropropane
 Concen: 21.193 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 44061
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.6 37.0

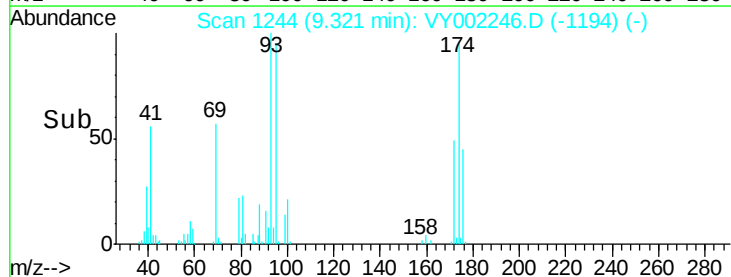
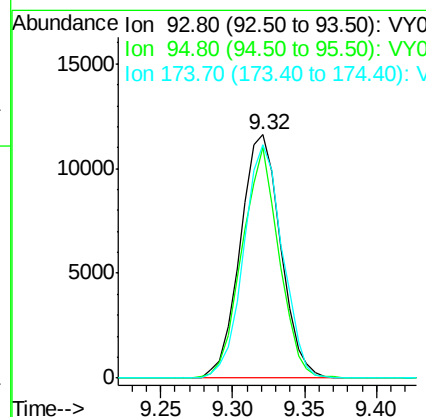
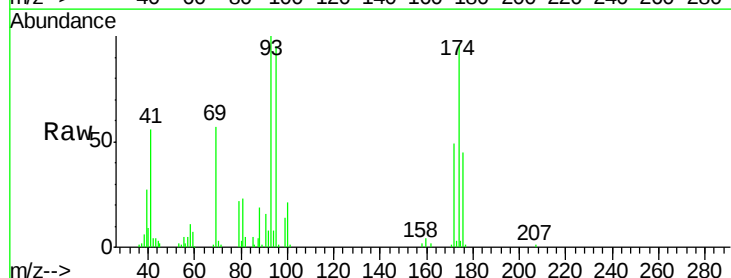
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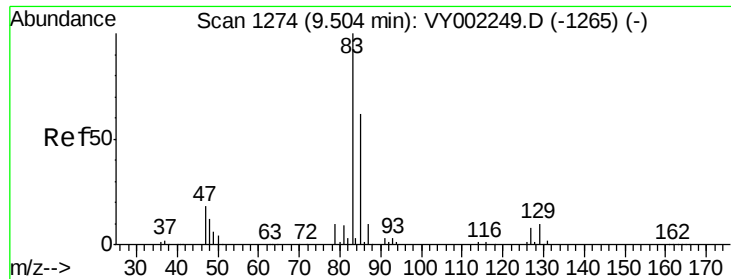
MMDadoda
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#46
 Dibromomethane
 Concen: 20.814 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Tgt Ion: 93 Resp: 22626
 Ion Ratio Lower Upper
 93 100
 95 86.6 67.3 100.9
 174 91.6 72.5 108.7





#47

Bromodichloromethane

Concen: 20.932 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

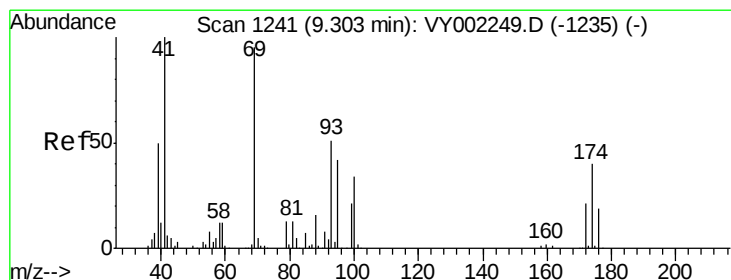
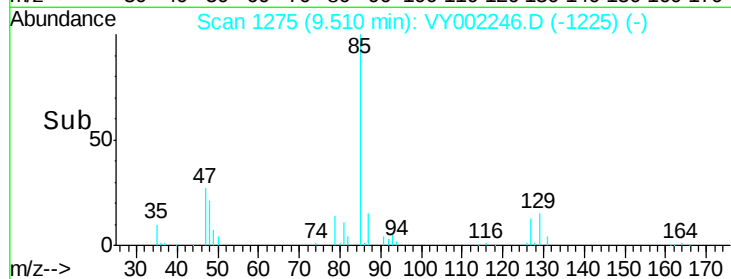
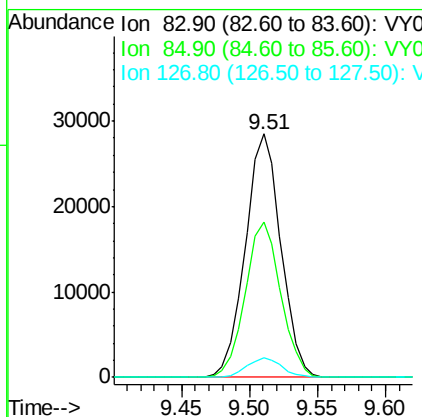
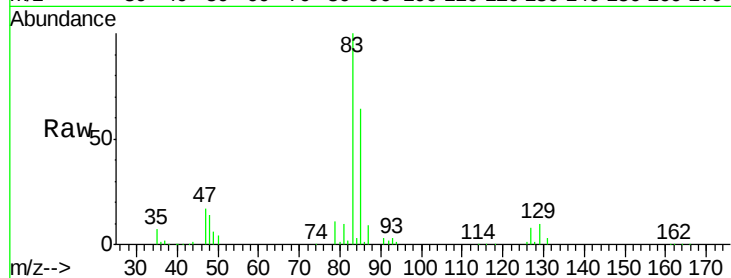
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	52210
Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.7	74.5
127	8.2	6.2	9.4

Manual Integrations
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4/9/2020 11:31:47 AM



#48

Methyl methacrylate

Concen: 20.504 ug/l

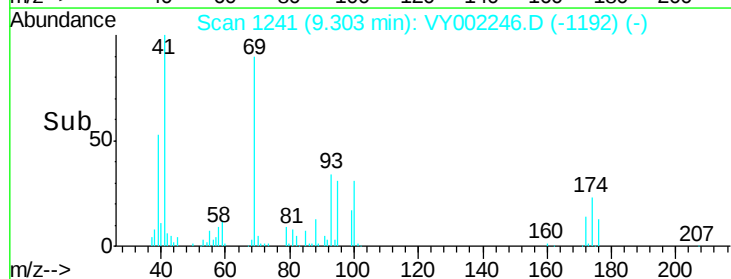
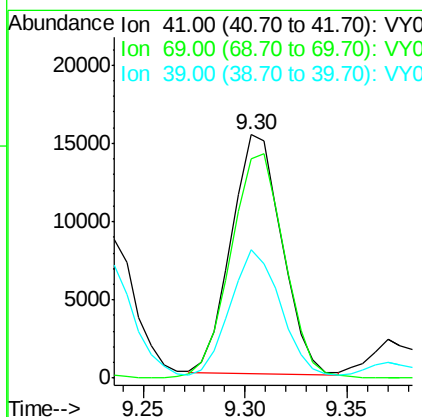
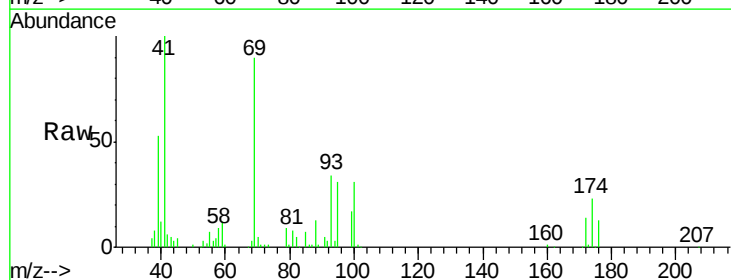
RT: 9.30 min Scan# 1241

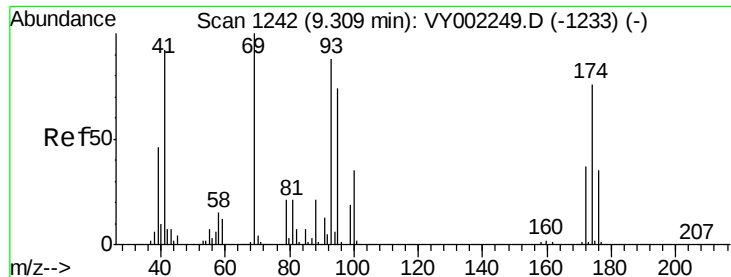
Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Tgt Ion:	41	Resp:	26455
Ion	Ratio	Lower	Upper
41	100		
69	99.7	76.7	115.1
39	51.7	40.5	60.7





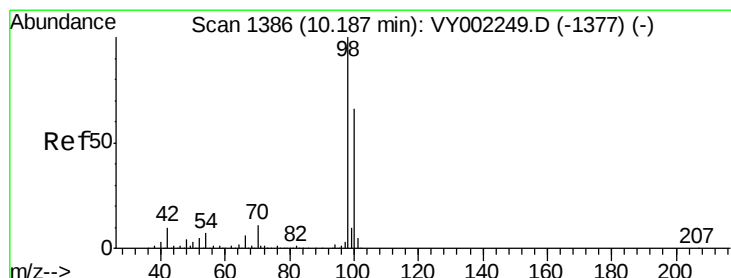
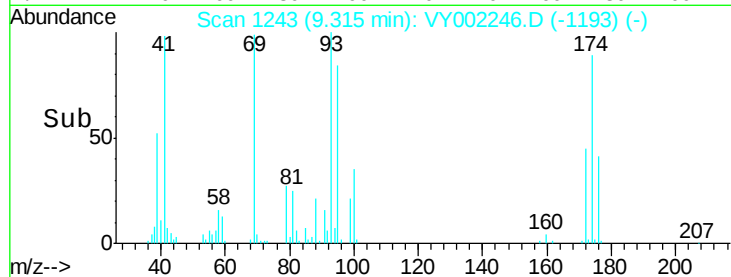
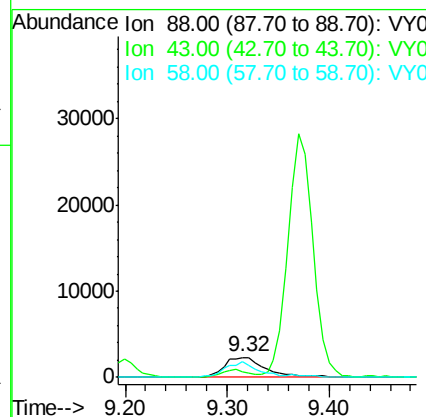
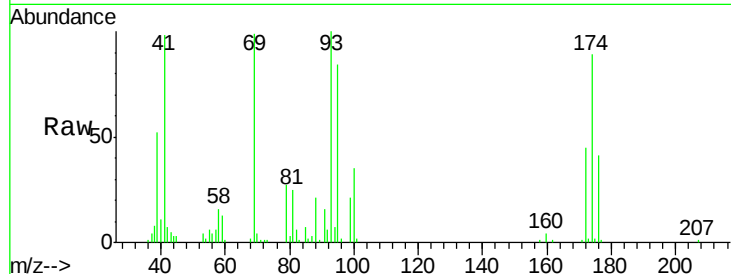
#49
 1,4-Dioxane
 Concen: 429.540 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	88	Resp	6605
Ion	Ratio	Lower	Upper
88	100		
43	26.6	22.2	33.2
58	67.4	57.6	86.4

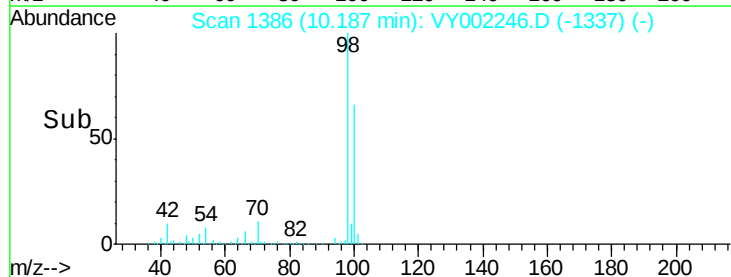
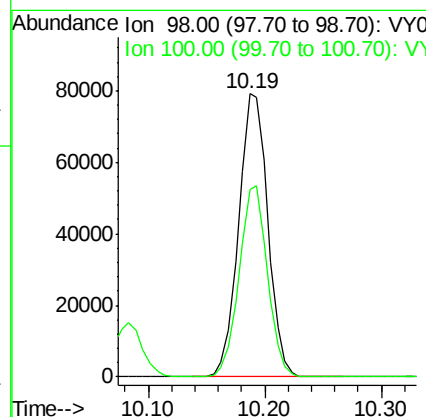
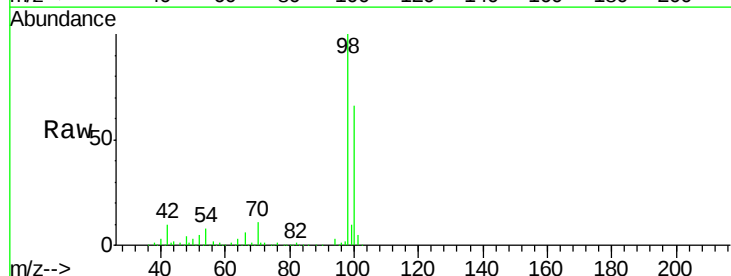
Manual Integrations
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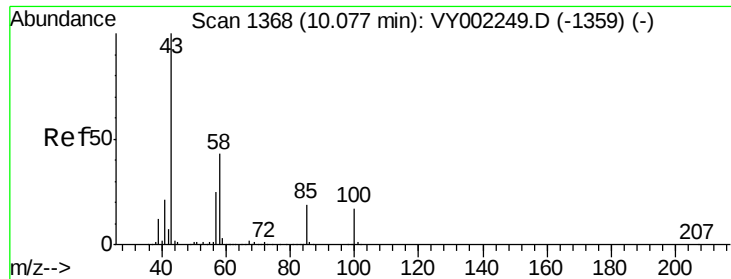
MMDadoda
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#50
 Toluene-d8
 Concen: 19.768 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. -0.00 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Tgt Ion	98	Resp	138048
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 107.139 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 160645

Ion Ratio Lower Upper

43 100

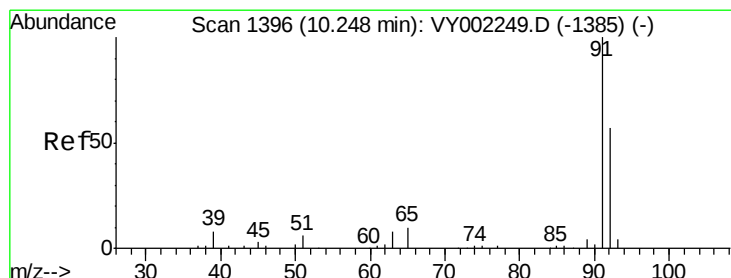
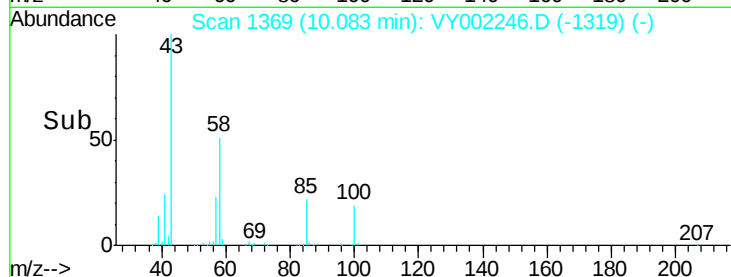
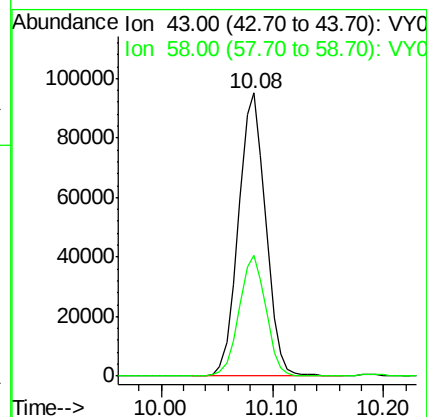
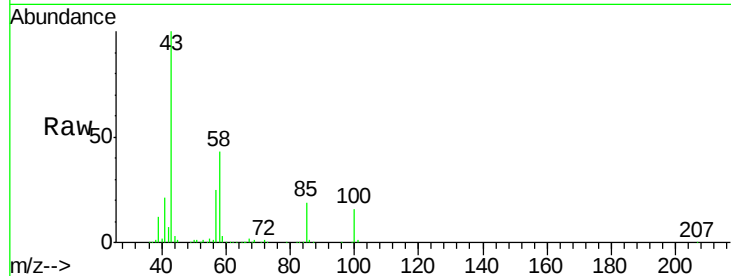
58 41.8 33.8 50.8

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 20.943 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VY002246.D

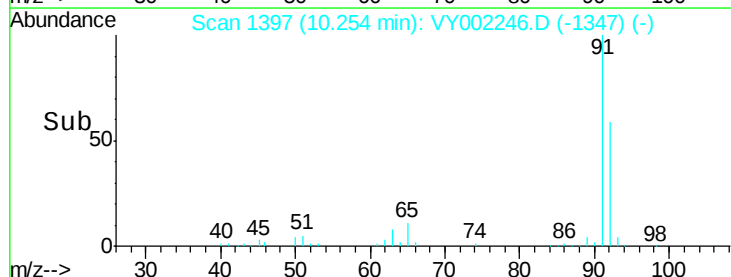
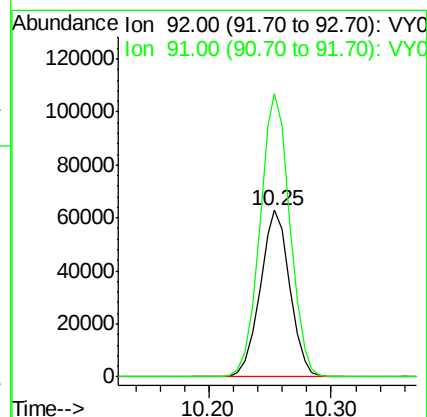
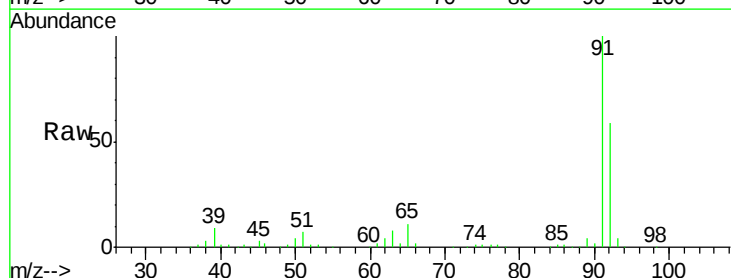
Acq: 08 Apr 2020 12:09

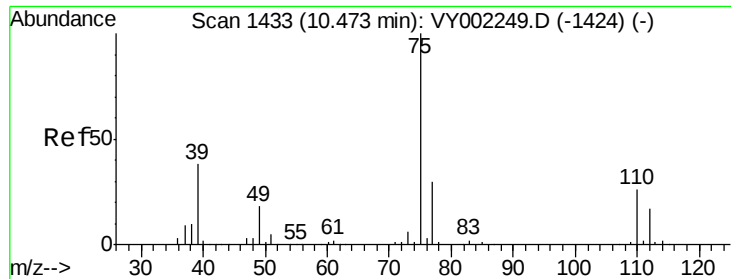
Tgt Ion: 92 Resp: 105758

Ion Ratio Lower Upper

92 100

91 171.5 139.0 208.6





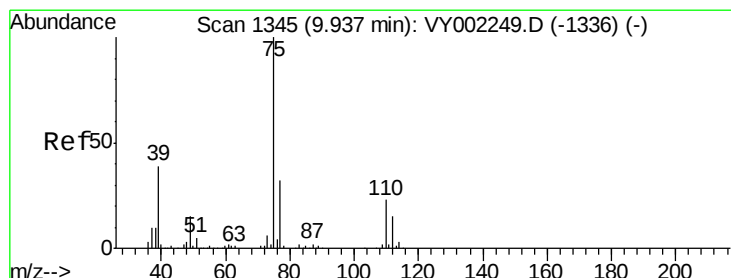
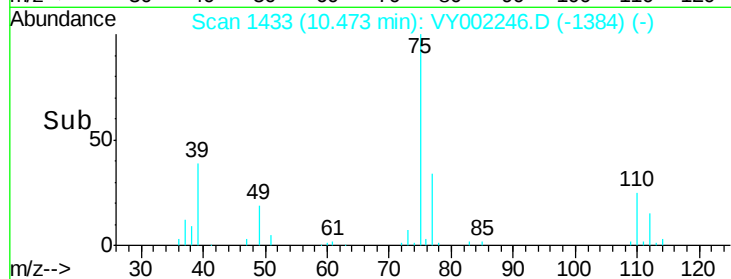
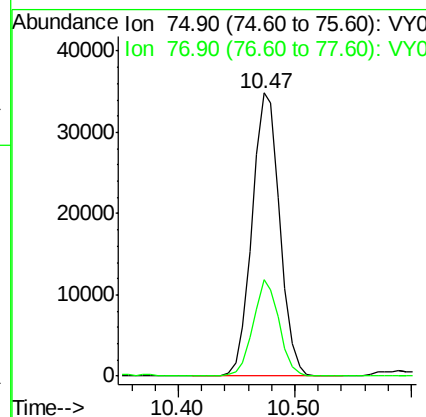
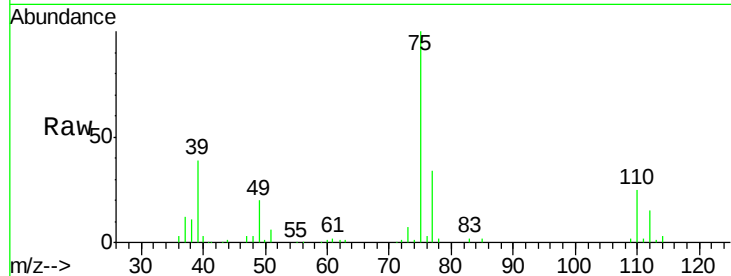
#53
t-1,3-Dichloropropene
Concen: 21.220 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	75	77	Ratio	Lower	Upper
57669	100	34.1		24.2	36.2

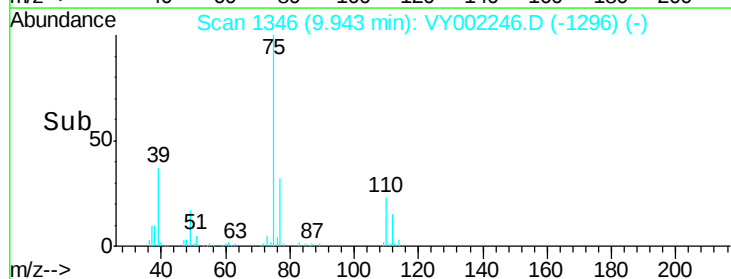
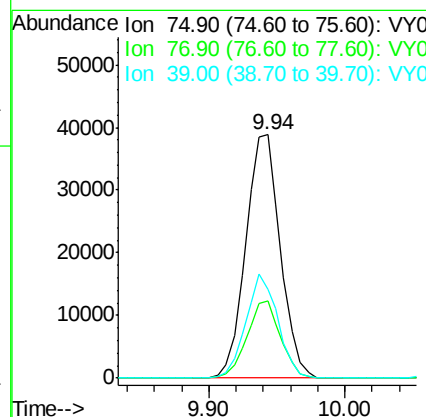
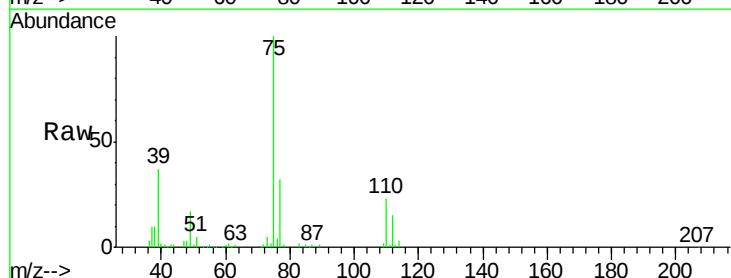
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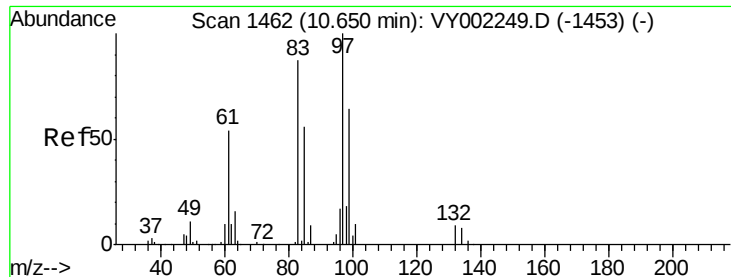
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.040 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion	75	77	39	Ratio	Lower	Upper
68743	100	31.8	36.6		25.8	38.8
					30.8	46.2





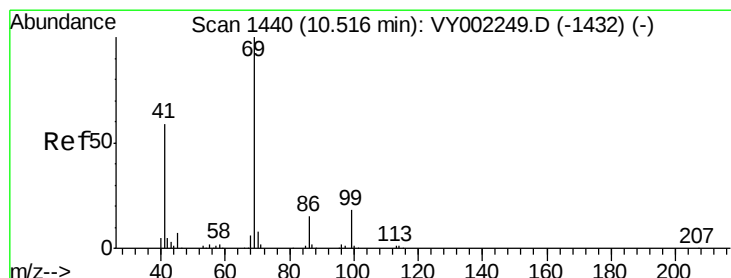
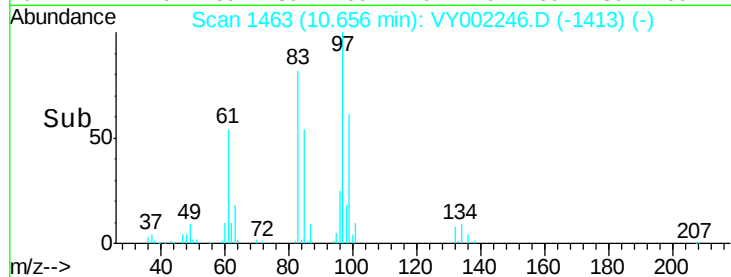
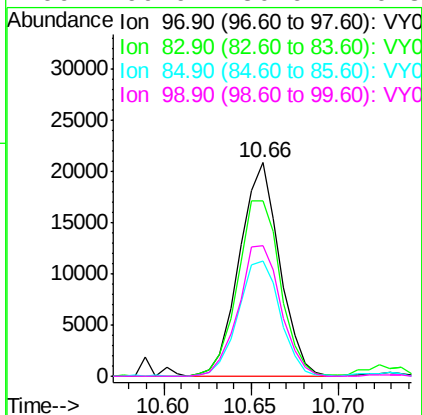
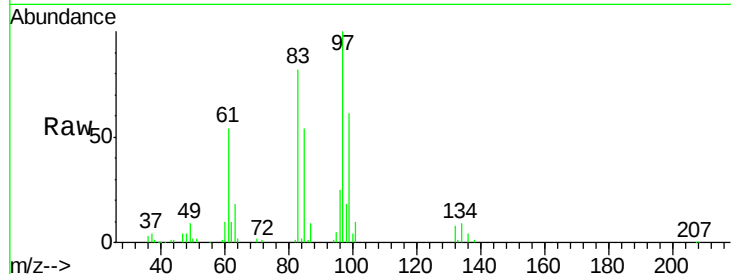
#55
 1,1,2-Trichloroethane
 Concen: 20.966 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	33367
Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.5	104.3
85	54.2	45.2	67.8
99	60.9	50.9	76.3

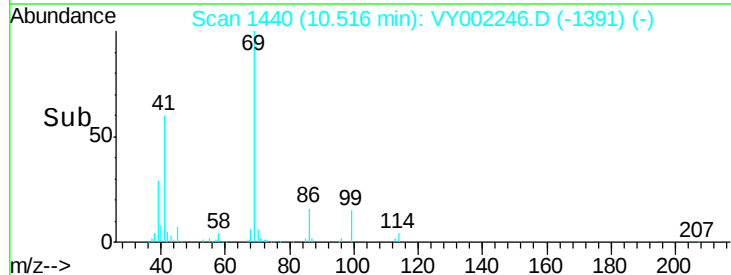
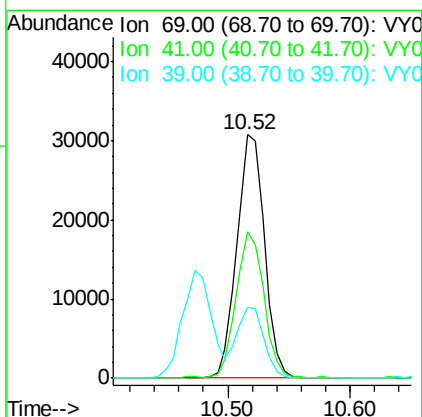
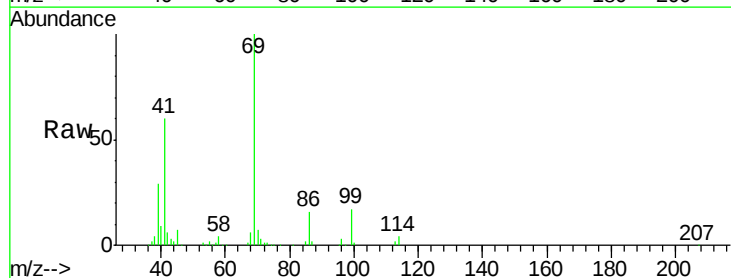
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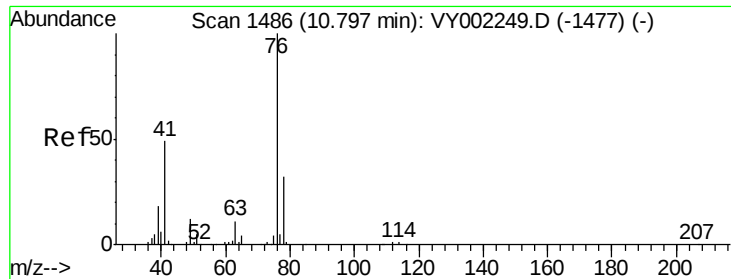
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#56
 Ethyl methacrylate
 Concen: 21.156 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Tgt Ion:	69	Resp:	48056
Ion	Ratio	Lower	Upper
69	100		
41	61.2	47.9	71.9
39	28.5	23.8	35.6





#57

1,3-Dichloropropane

Concen: 20.929 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 58545

Ion Ratio Lower Upper

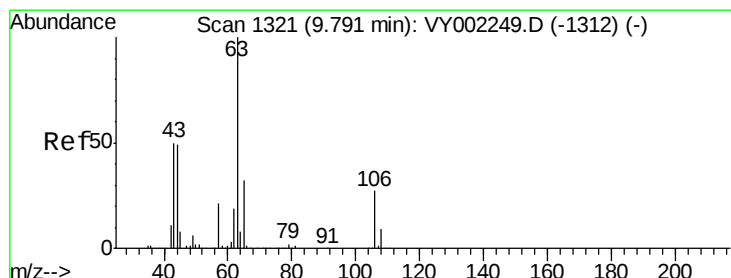
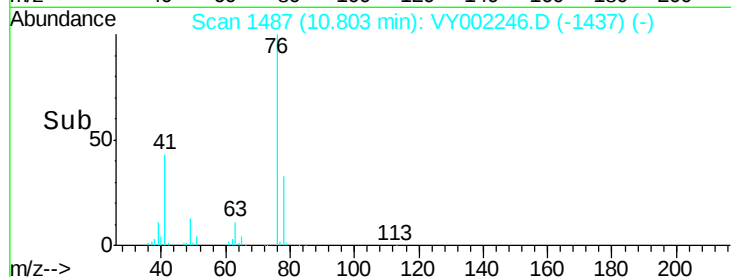
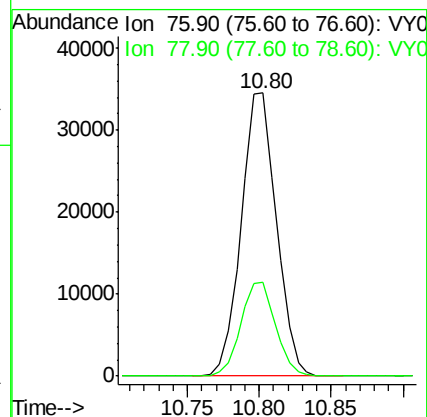
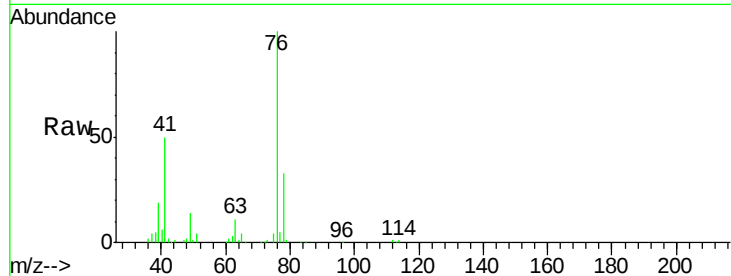
76 100

78 32.7 25.8 38.6

Manual Integrations
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4/9/2020 11:31:47 AM



#58

2-Chloroethyl Vinyl ether

Concen: 105.407 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VY002246.D

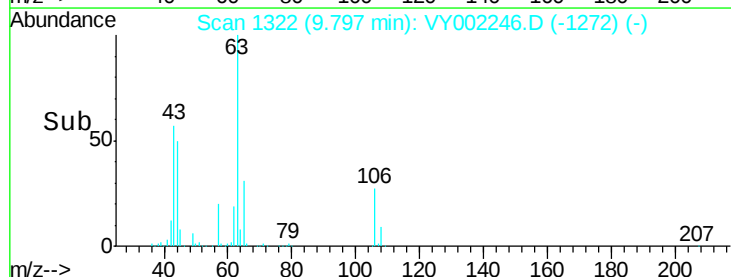
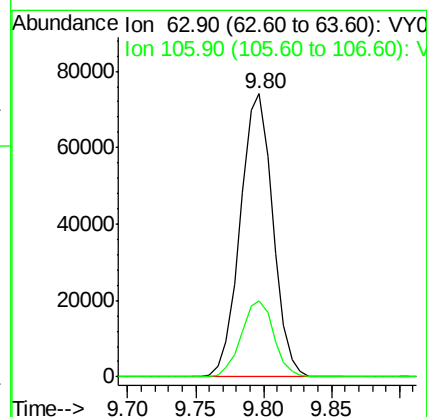
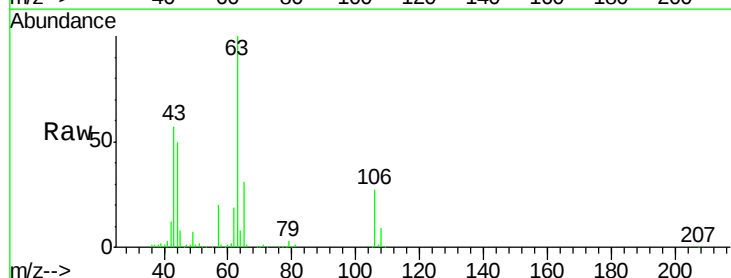
Acq: 08 Apr 2020 12:09

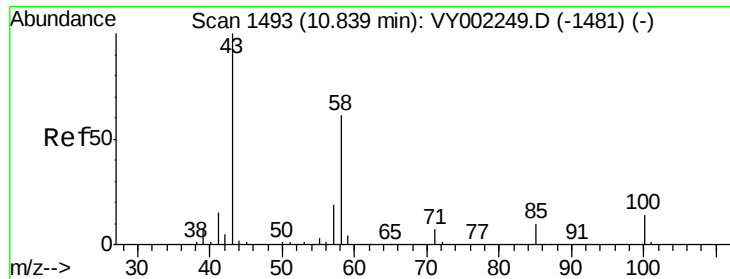
Tgt Ion: 63 Resp: 123987

Ion Ratio Lower Upper

63 100

106 27.0 22.2 33.2





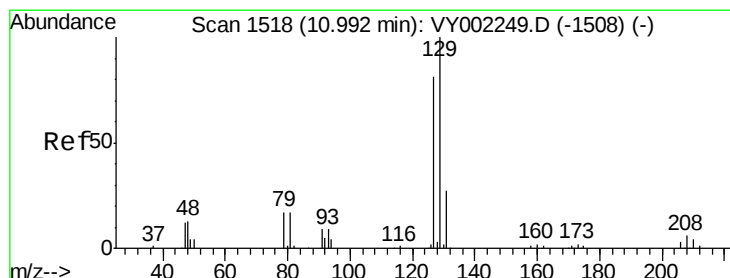
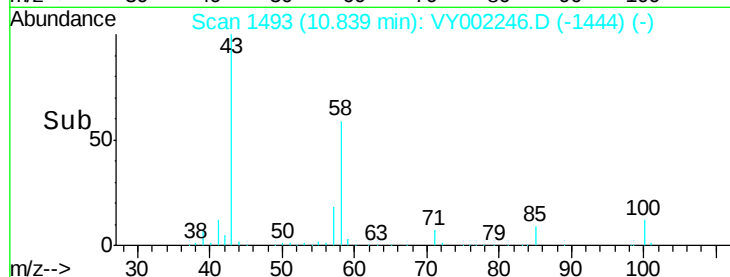
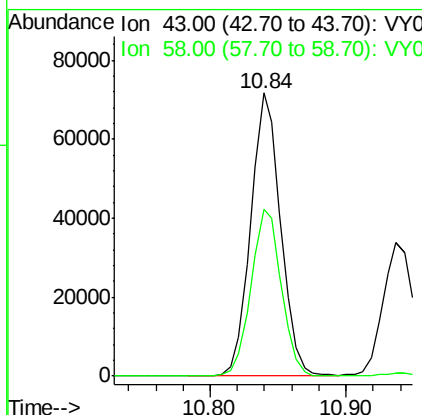
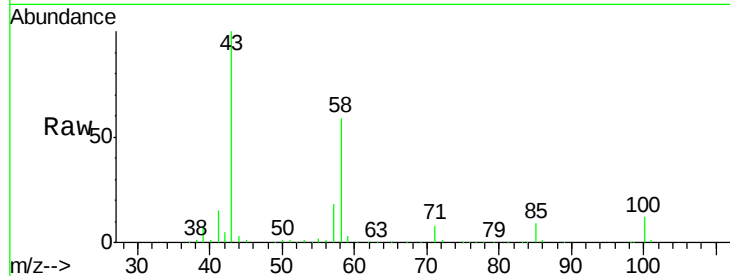
#59
2-Hexanone
Concen: 106.449 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 110774
Ion Ratio Lower Upper
43 100
58 59.6 29.8 89.3

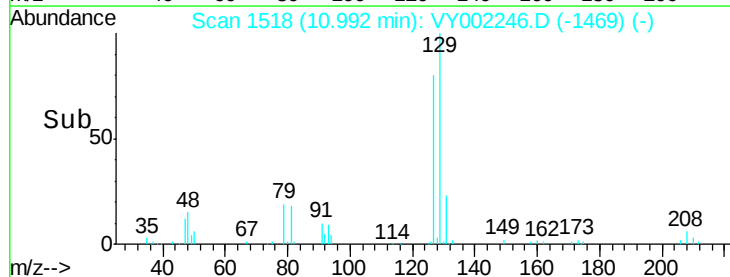
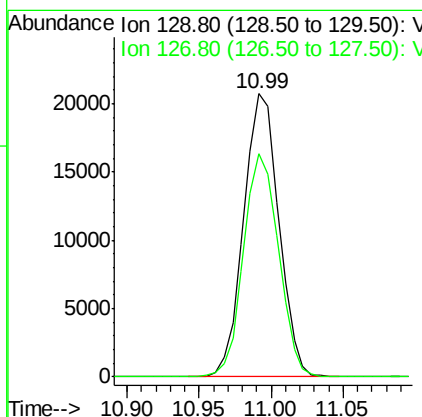
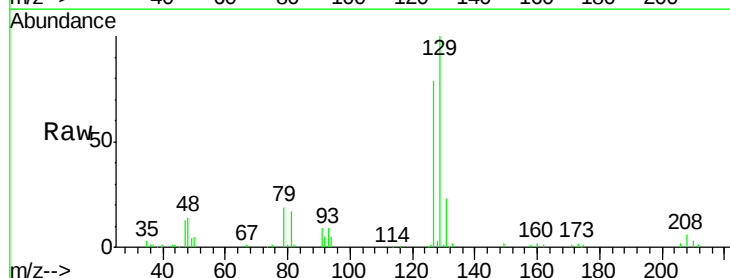
Manual Integrations
APPROVED

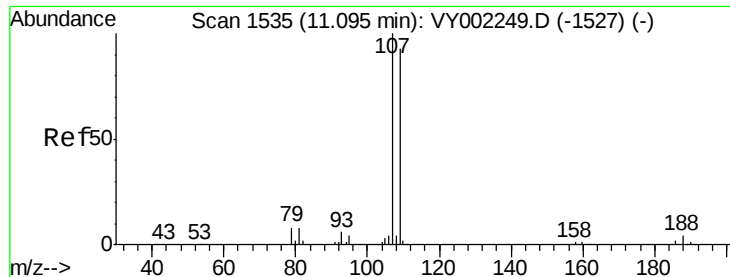
MMDadoda
4/9/2020 11:31:47 AM



#60
Dibromochloromethane
Concen: 20.696 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion: 129 Resp: 35122
Ion Ratio Lower Upper
129 100
127 78.4 39.0 117.0





#61

1,2-Dibromoethane

Concen: 20.917 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 31691

Ion Ratio Lower Upper

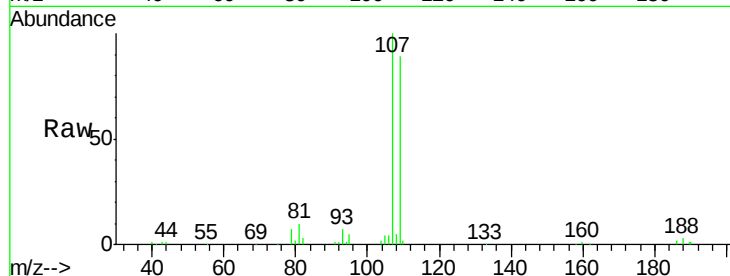
107 100

109 94.2 75.6 113.4

Manual Integrations
APPROVED

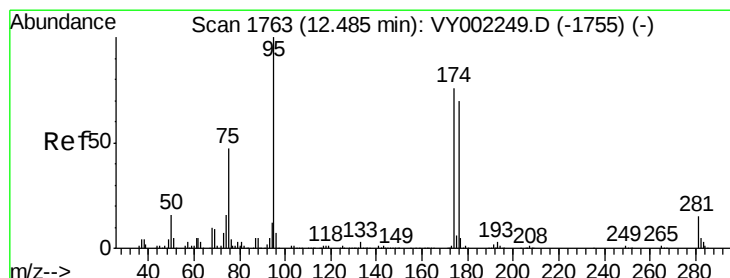
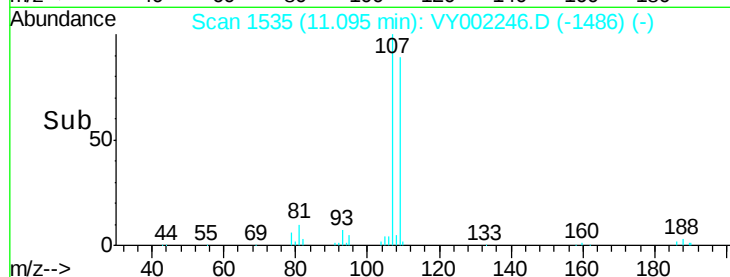
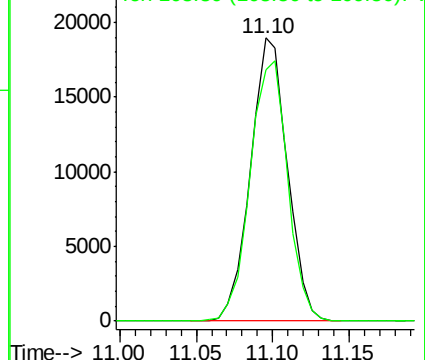
MMDadoda

4/9/2020 11:31:47 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.754 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

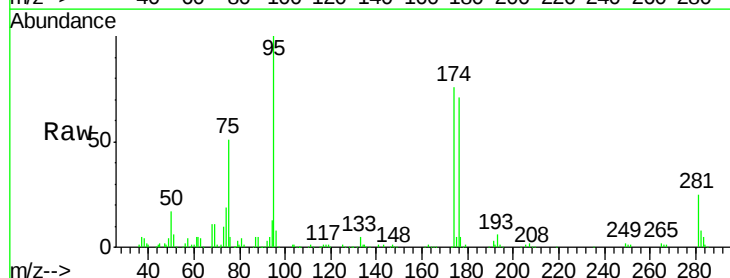
Tgt Ion: 95 Resp: 45510

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.6

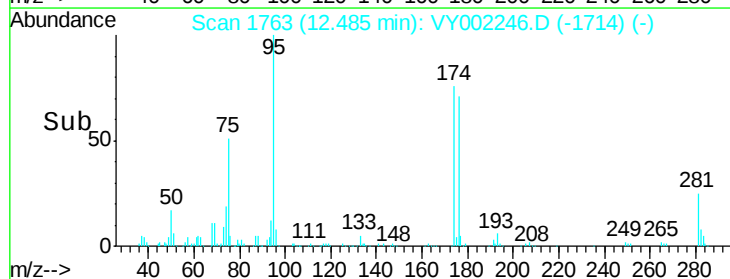
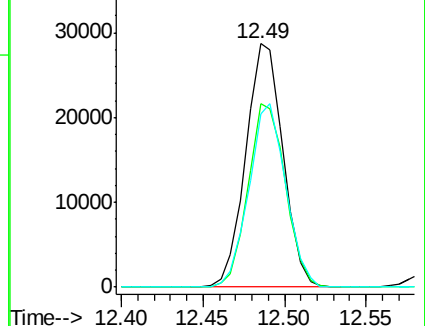
176 74.7 0.0 141.4

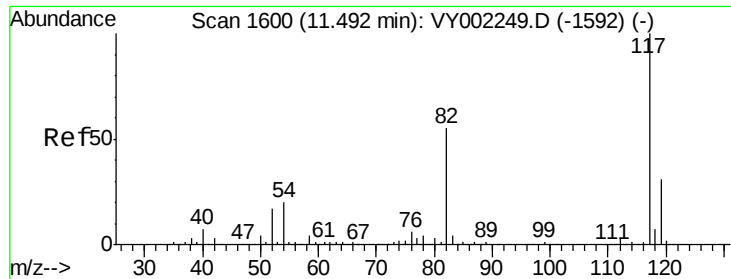


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





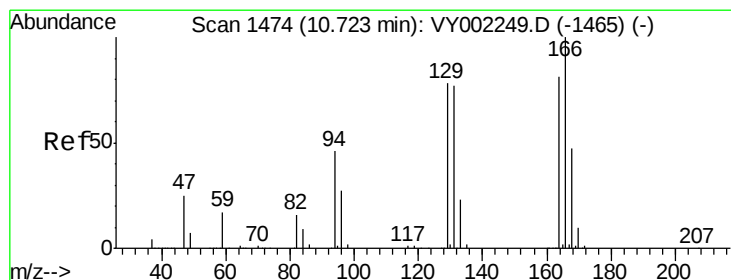
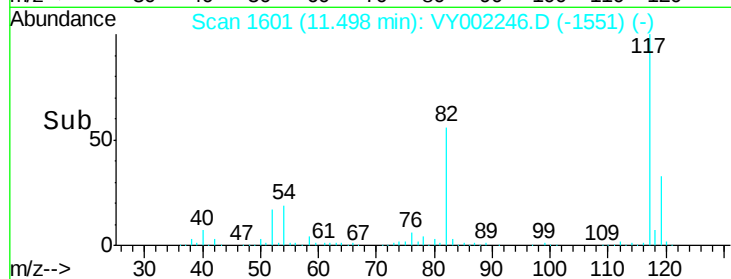
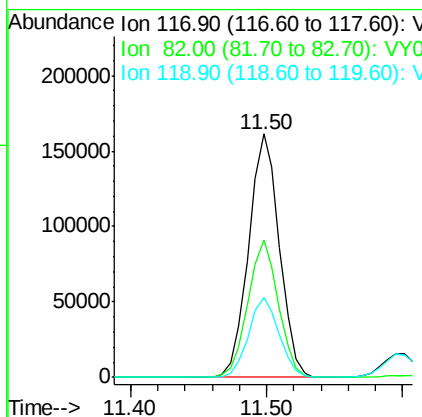
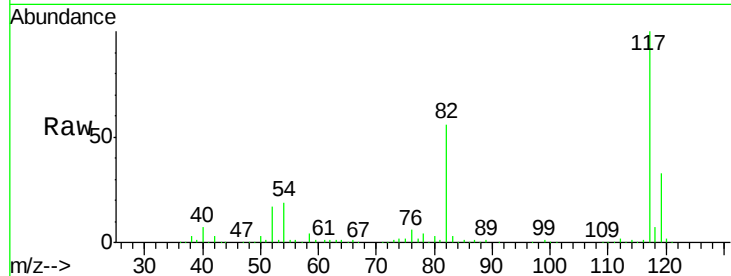
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.2	66.4
119	32.5	25.1	37.7

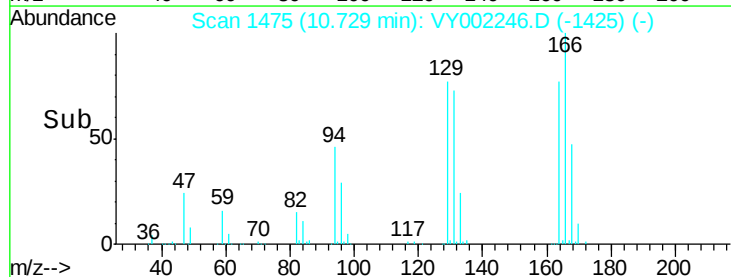
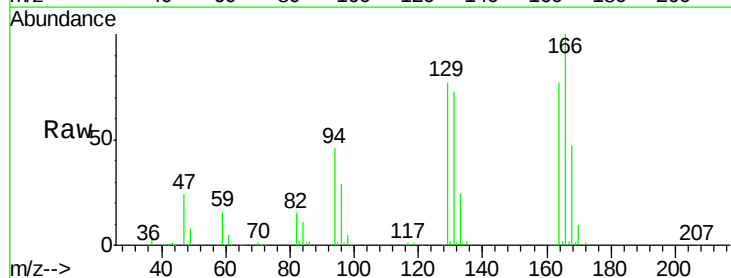
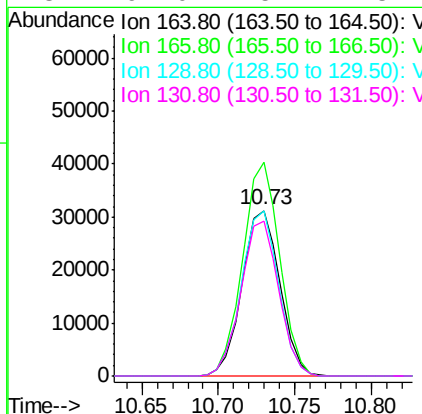
Manual Integrations
APPROVED

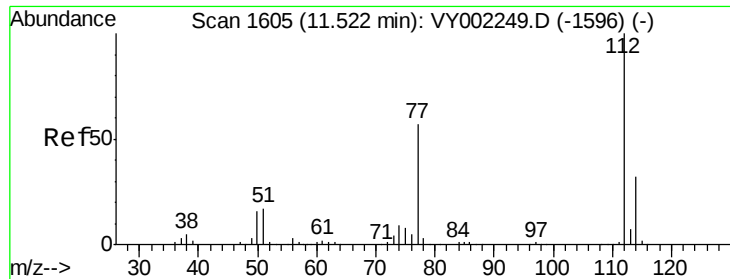
MMDadoda
4/9/2020 11:31:47 AM



#64
Tetrachloroethene
Concen: 20.847 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	98.4	147.6
129	99.9	76.6	115.0
131	94.0	75.4	113.2





#65

Chlorobenzene

Concen: 20.935 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 111011

Ion Ratio Lower Upper

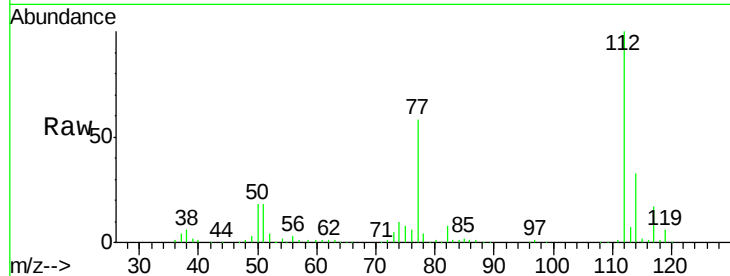
112 100

114 32.6 25.6 38.4

Manual Integrations
APPROVED

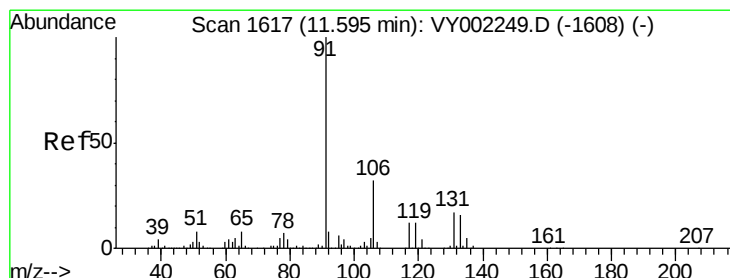
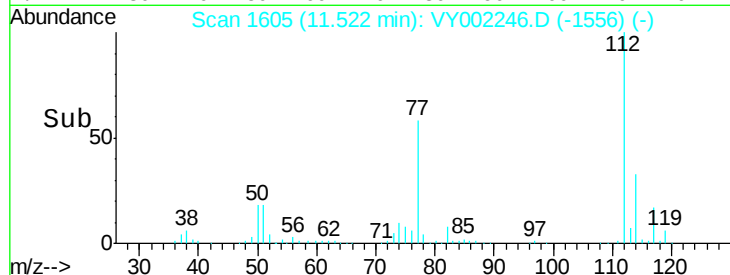
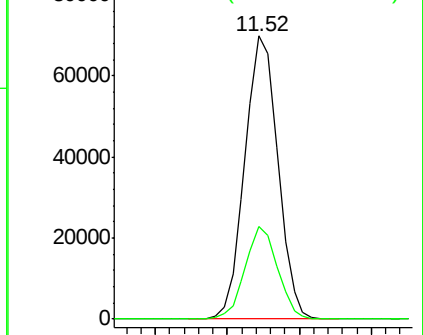
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.785 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

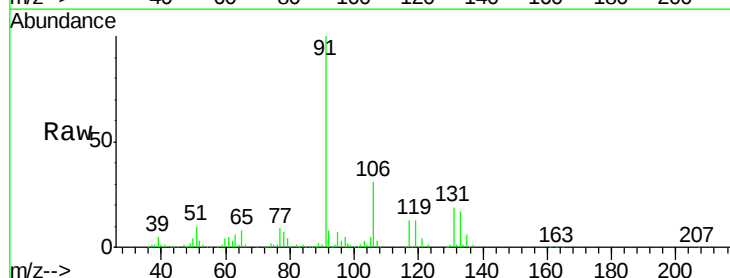
Tgt Ion:131 Resp: 36390

Ion Ratio Lower Upper

131 100

133 94.9 46.5 139.3

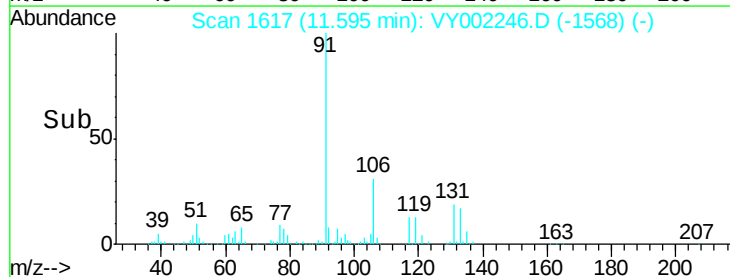
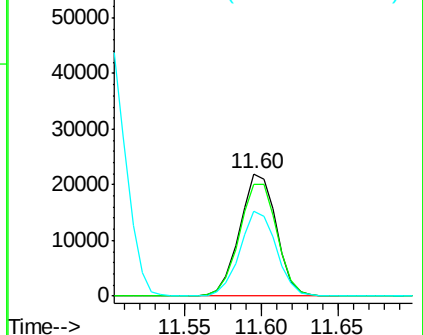
119 69.4 34.5 103.6

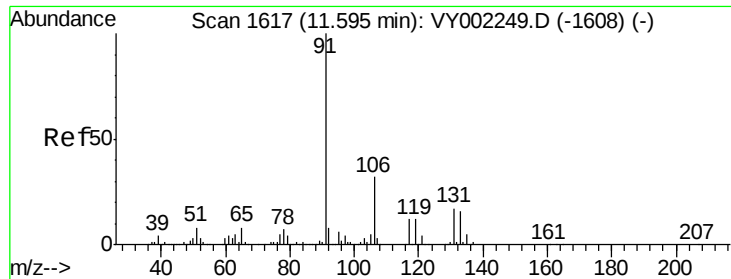


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





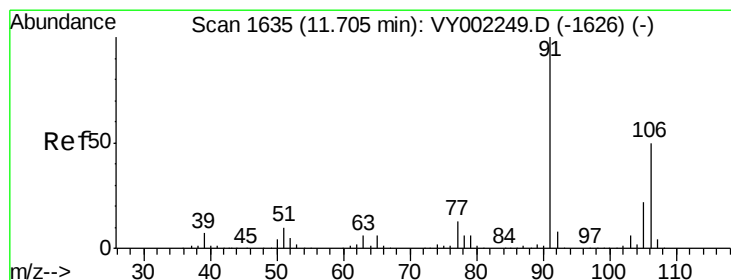
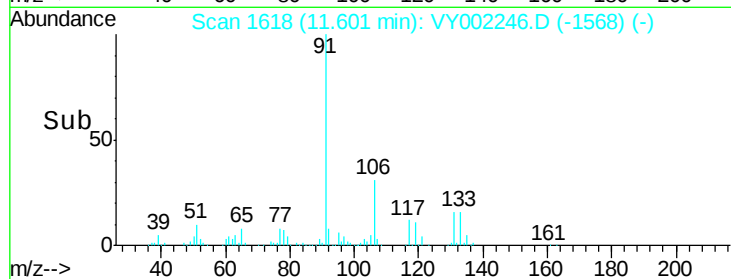
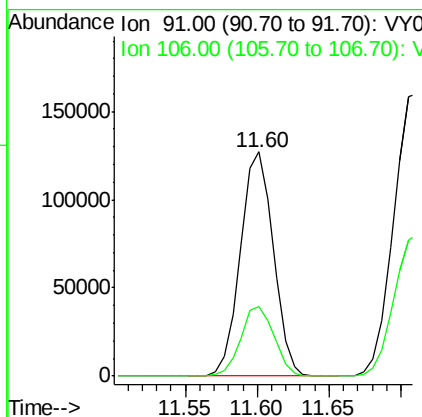
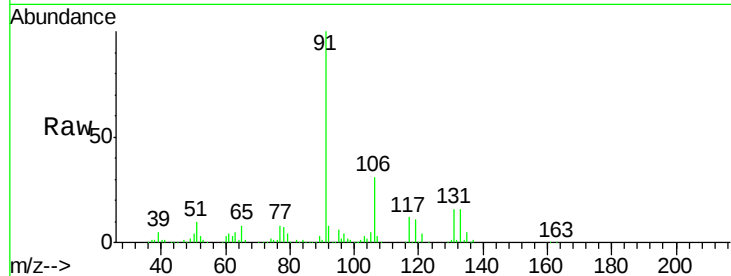
#67
Ethyl Benzene
Concen: 20.747 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 201405
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.0

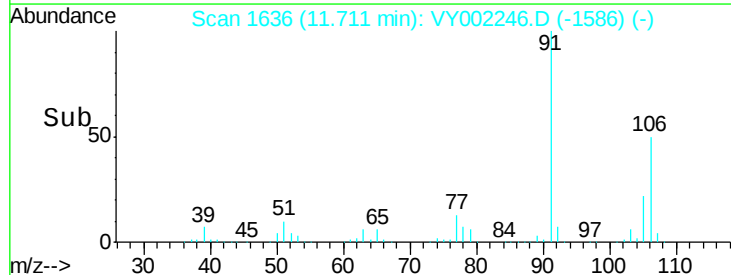
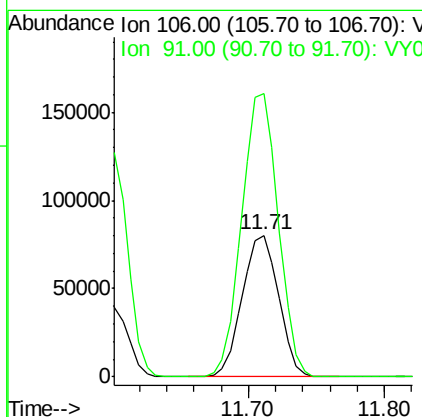
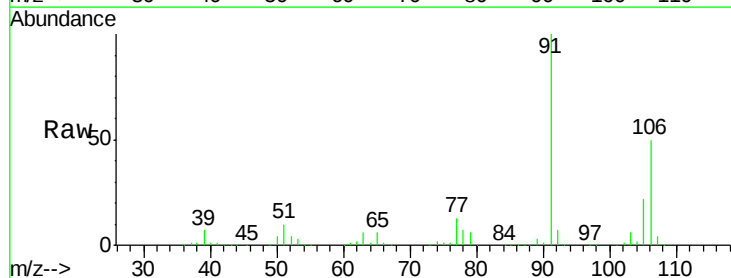
Manual Integrations
APPROVED

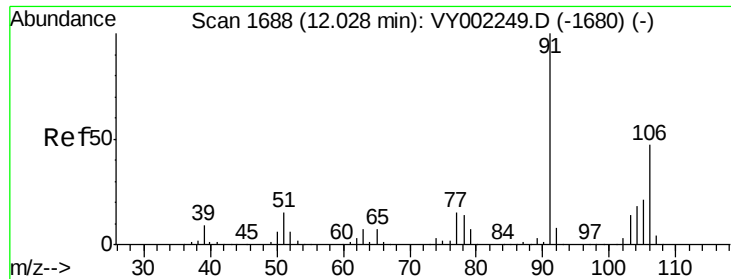
MMDadoda
4/9/2020 11:31:47 AM



#68
m/p-Xylenes
Concen: 41.393 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion: 106 Resp: 150503
Ion Ratio Lower Upper
106 100
91 200.4 159.8 239.6





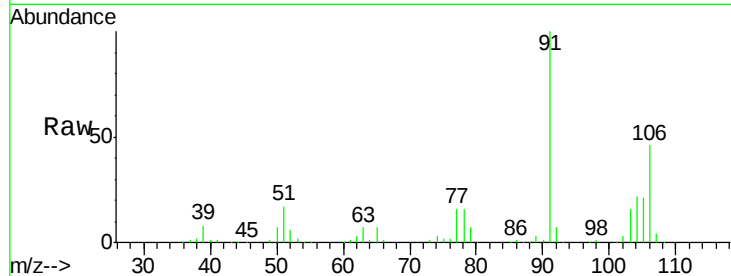
#69
o-Xylene
Concen: 20.437 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

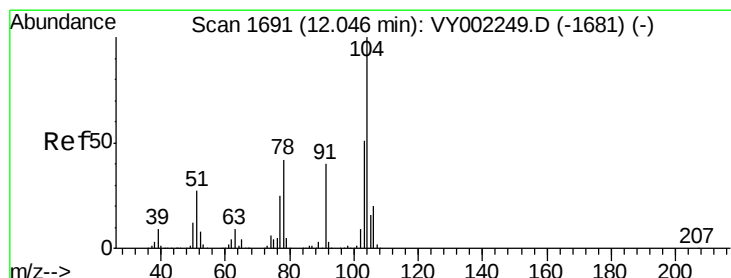
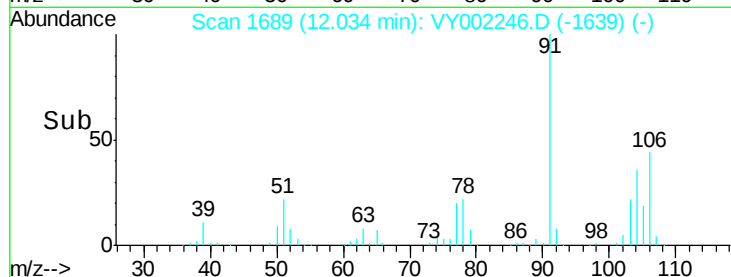
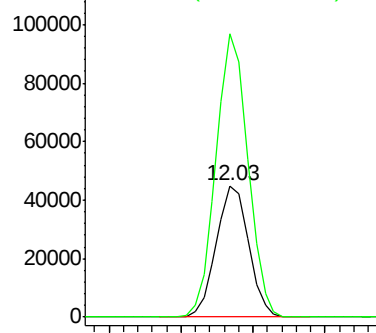
Tot Ion:106 Resp: 69764
Ion Ratio Lower Upper
106 100
91 213.3 105.8 317.3

Manual Integrations
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MMDadoda
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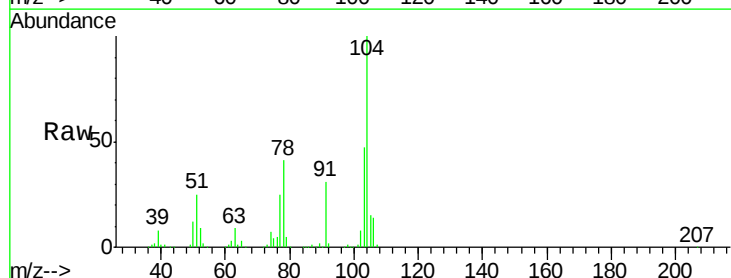


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

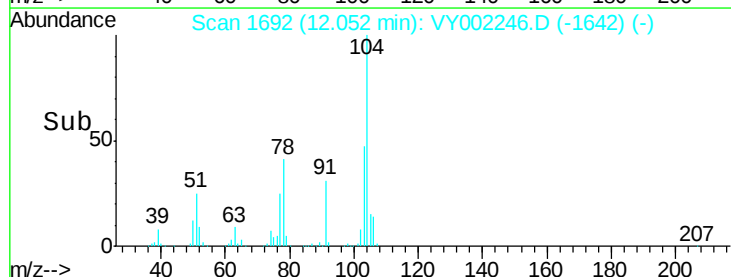
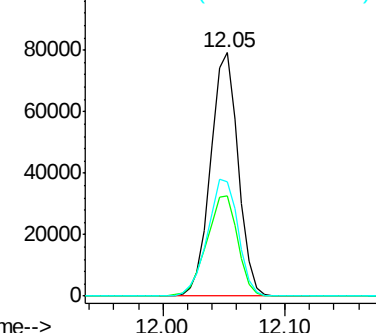


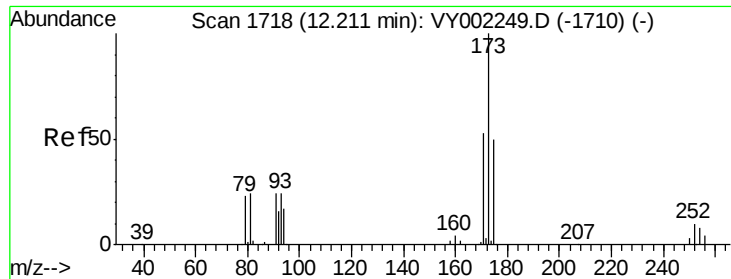
#70
Styrene
Concen: 20.865 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion:104 Resp: 123571
Ion Ratio Lower Upper
104 100
78 46.4 37.2 55.8
103 53.5 43.4 65.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





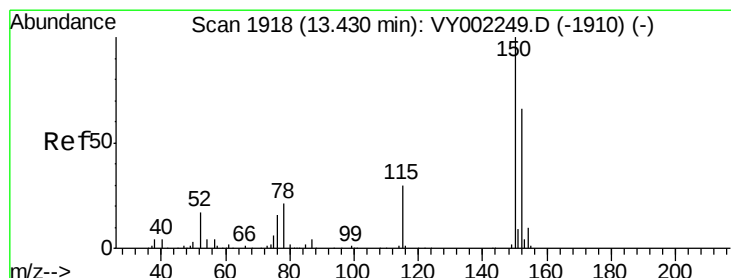
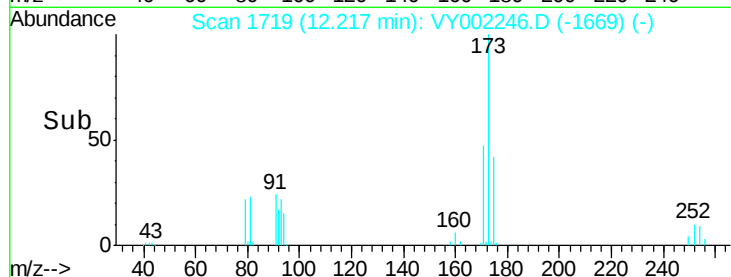
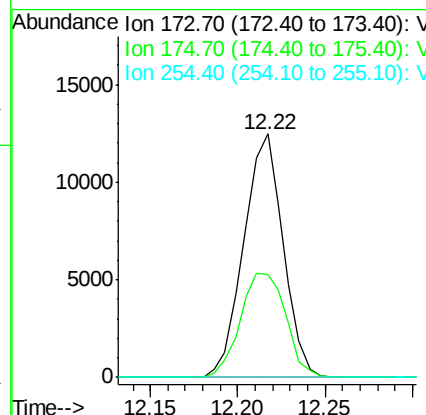
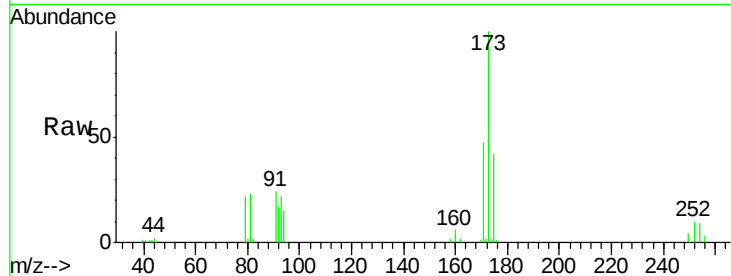
#71
Bromoform
Concen: 20.578 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.1	72.3
254	0.0	0.0	0.0

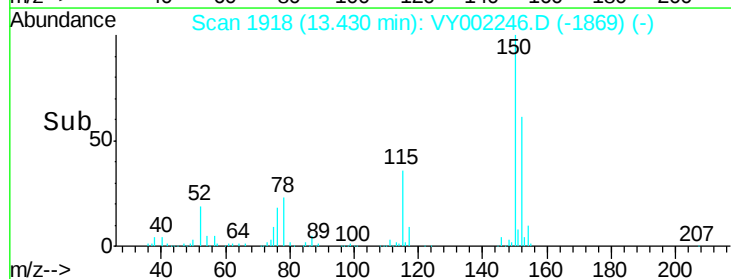
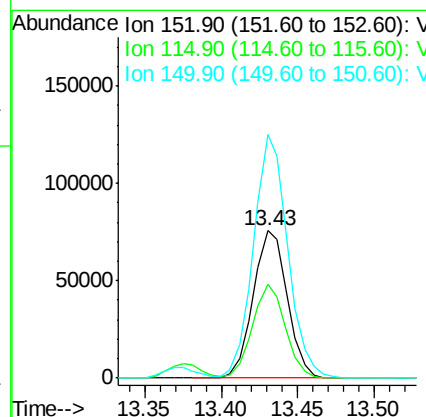
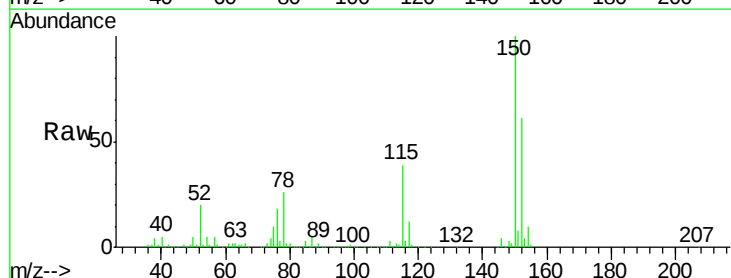
Manual Integrations
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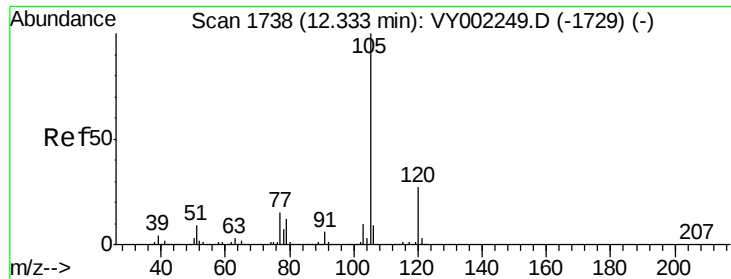
MMDadoda
4/9/2020 11:31:47 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.7	92.1
150	165.7	0.0	350.6





#73

Isopropylbenzene

Concen: 20.545 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 189227

Ion Ratio Lower Upper

105 100

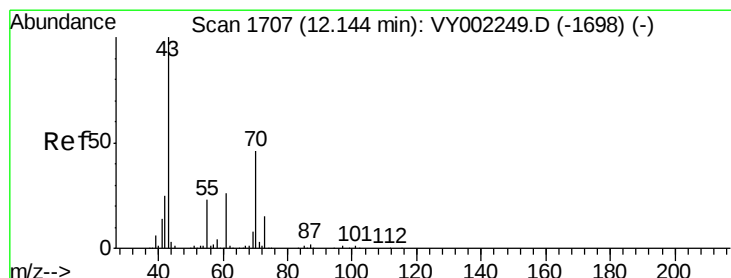
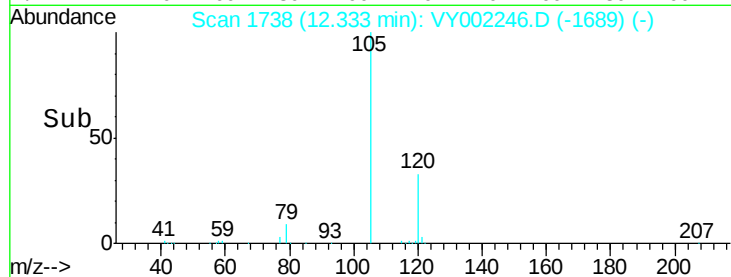
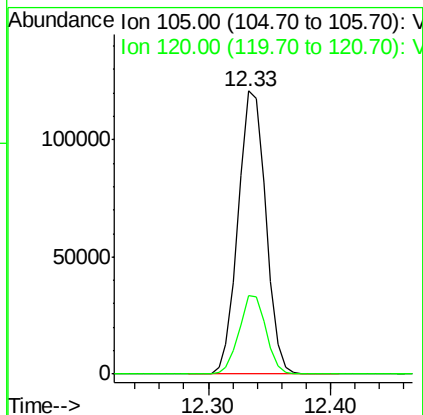
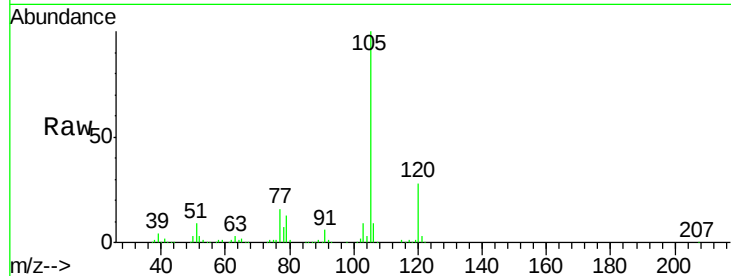
120 27.0 13.3 39.8

Manual Integrations

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MMDadoda

4/9/2020 11:31:47 AM



#74

N-ethyl acetate

Concen: 20.934 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Tgt Ion: 43 Resp: 54730

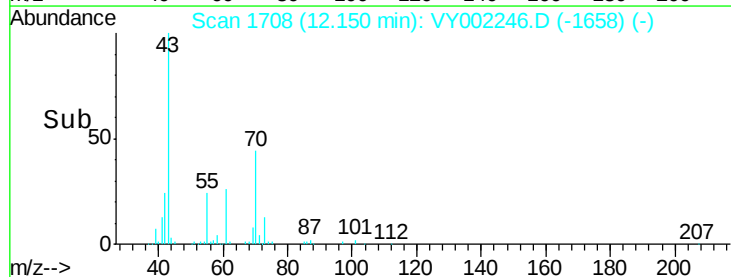
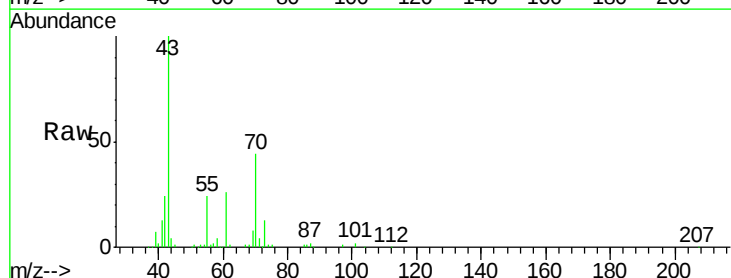
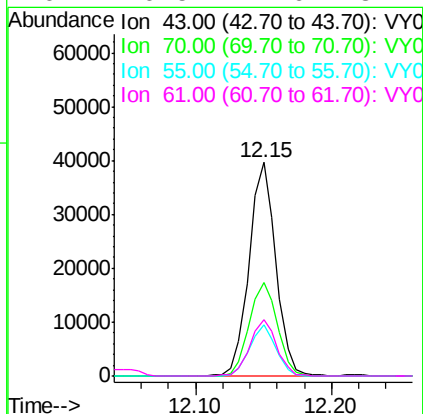
Ion Ratio Lower Upper

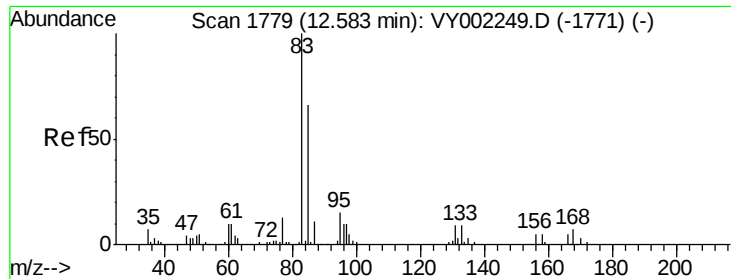
43 100

70 46.1 37.5 56.3

55 23.6 19.0 28.6

61 26.5 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.352 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

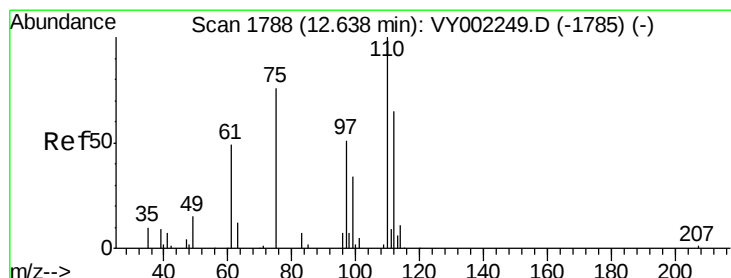
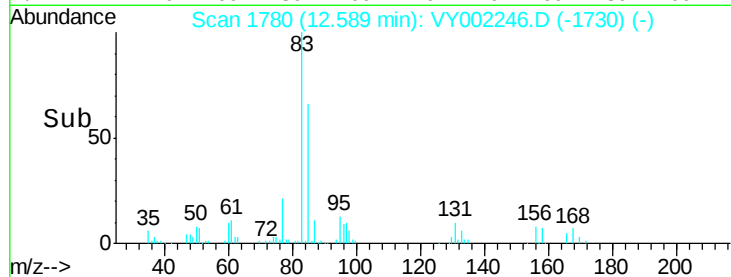
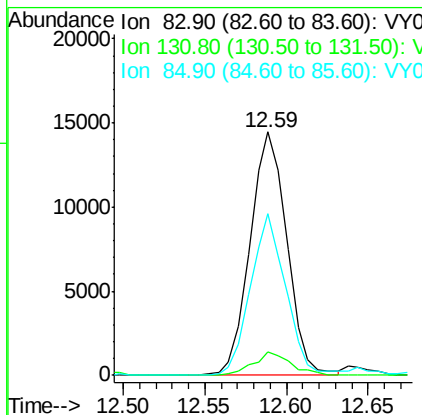
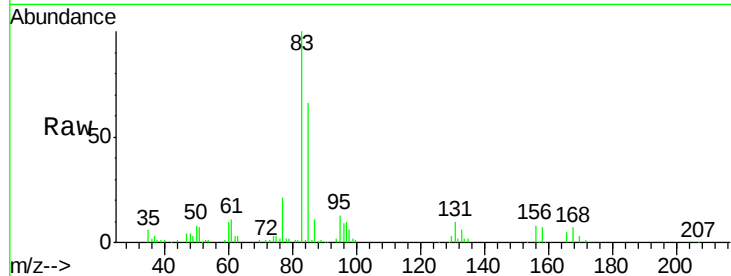
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	22679
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	63.7	32.6	97.8

Manual Integrations
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4/9/2020 11:31:47 AM



#76

1,2,3-Trichloropropane

Concen: 12.302 ug/l m

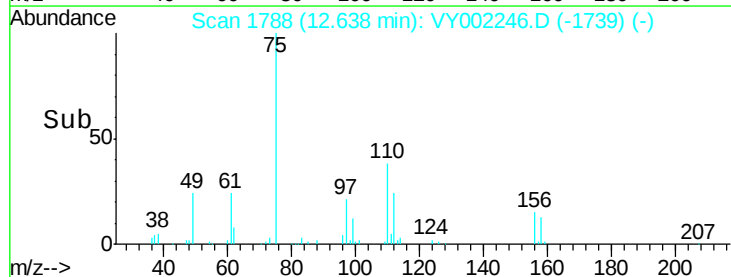
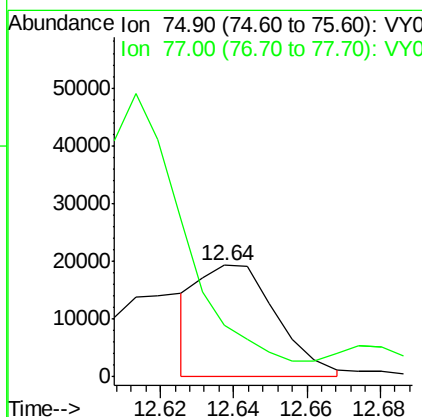
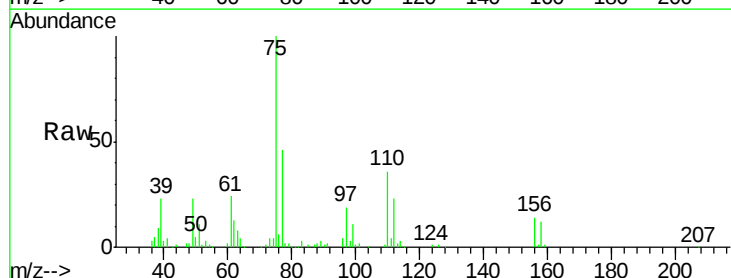
RT: 12.64 min Scan# 1788

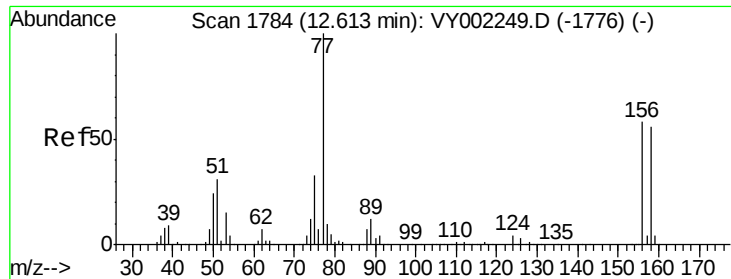
Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Tgt Ion:	75	Resp:	28894
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.784 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

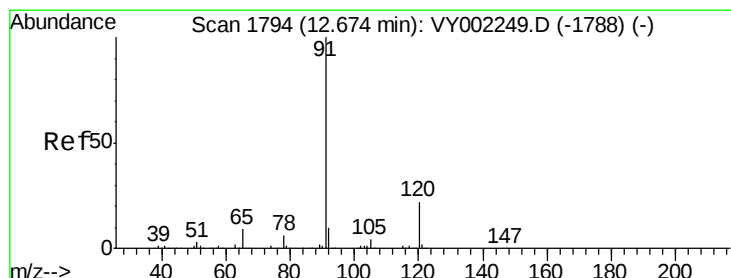
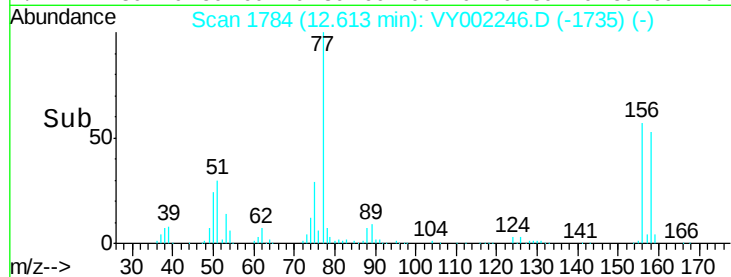
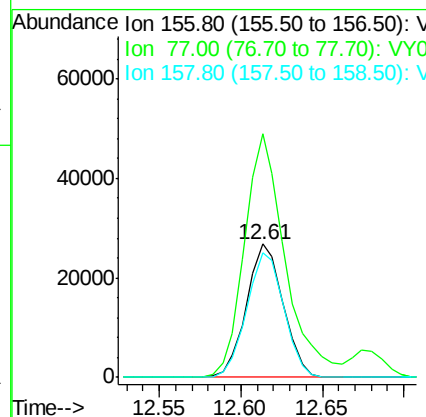
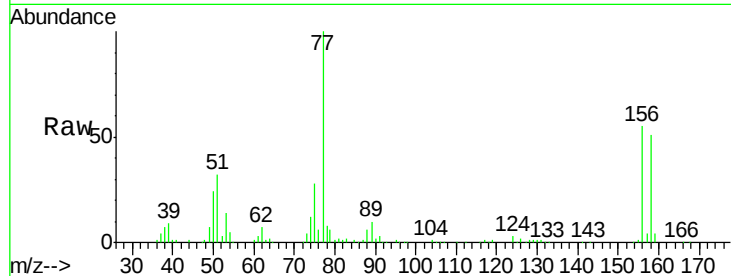
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	42116
Ion Ratio	Lower	Upper	
156	100		
77	203.1	101.3	303.9
158	94.4	48.3	144.8

Manual Integrations
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MMDadoda
4/9/2020 11:31:47 AM



#78

n-propylbenzene

Concen: 20.505 ug/l

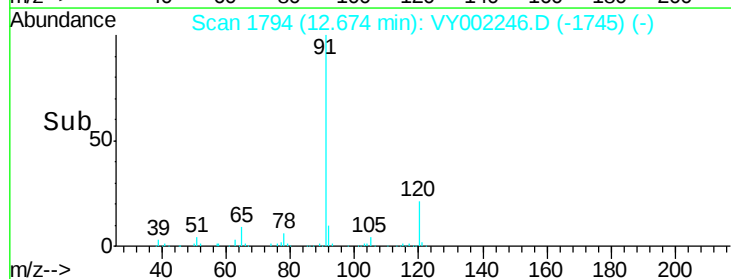
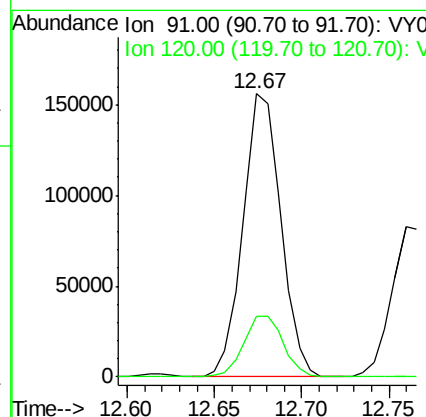
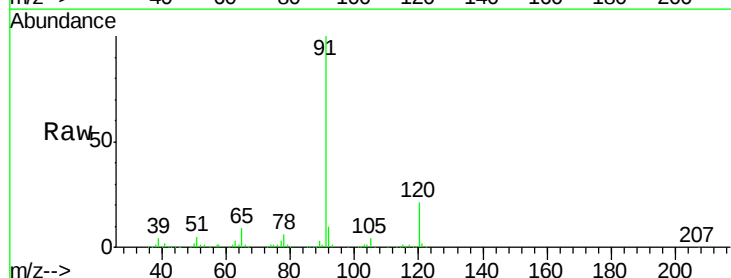
RT: 12.67 min Scan# 1794

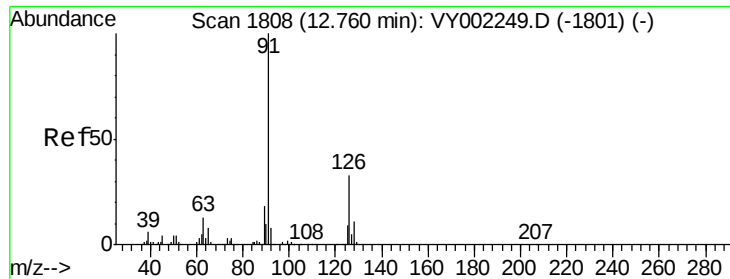
Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Tgt Ion:	91	Resp:	234879
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.2	33.5





#79

2-Chlorotoluene

Concen: 20.792 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 129430

Ion Ratio Lower Upper

91 100

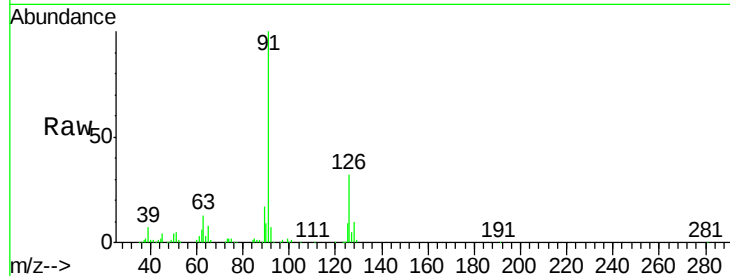
126 33.7 16.9 50.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY002249.D (-1801) (-)

Ion 125.90 (125.60 to 126.60): VY002249.D (-1801) (-)

120000

100000

80000

60000

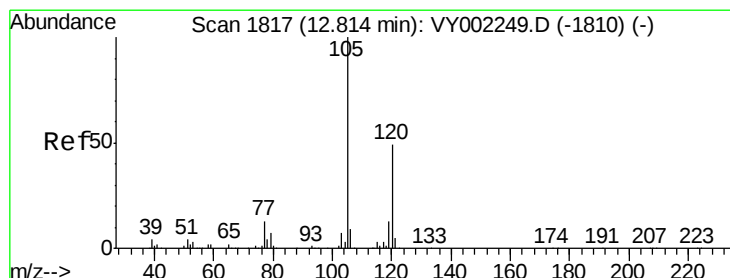
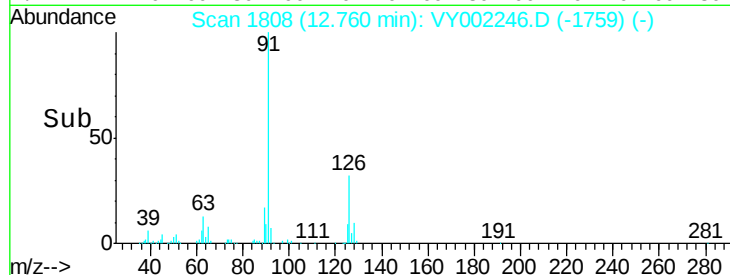
40000

20000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.638 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VY002246.D

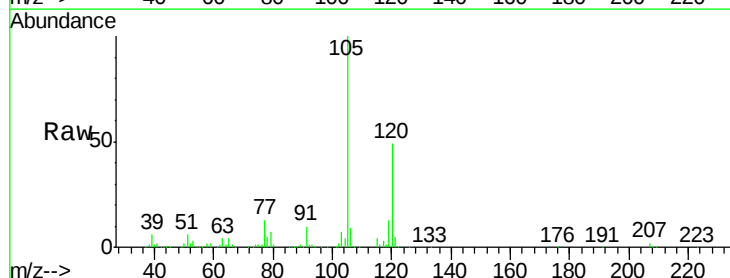
Acq: 08 Apr 2020 12:09

Tgt Ion:105 Resp: 157203

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VY002249.D (-1810) (-)

Ion 120.00 (119.70 to 120.70): VY002249.D (-1810) (-)

120000

100000

80000

60000

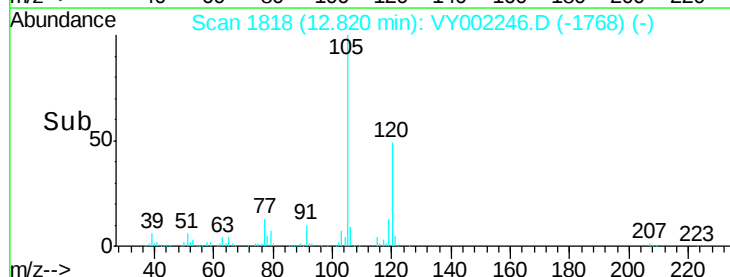
40000

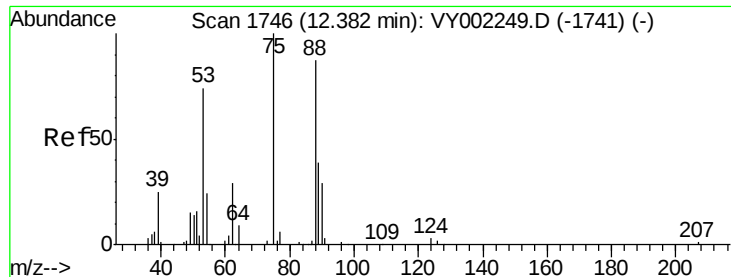
20000

0

12.80 12.82 12.84

Time-->





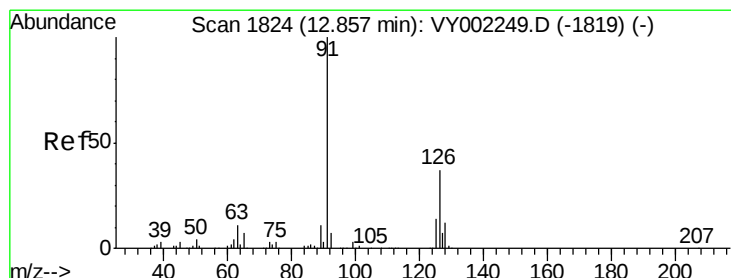
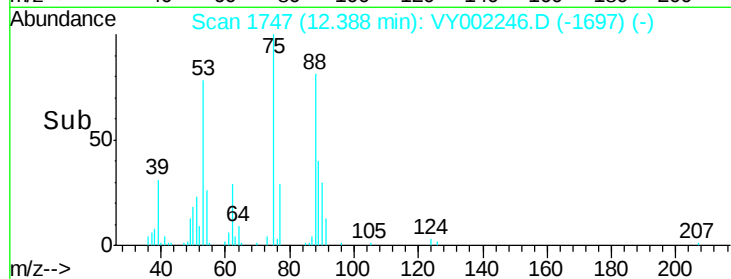
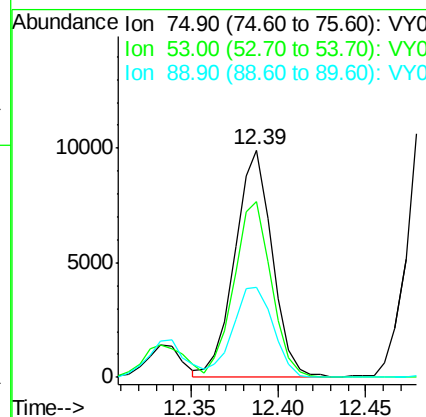
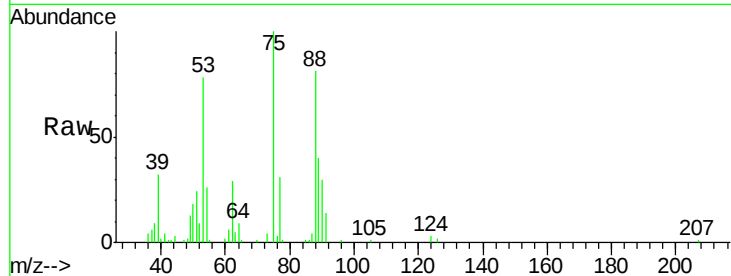
#81
trans-1,4-Dichloro-2-butene
Concen: 21.059 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	77.2	59.8	89.8
89	42.6	37.0	55.6

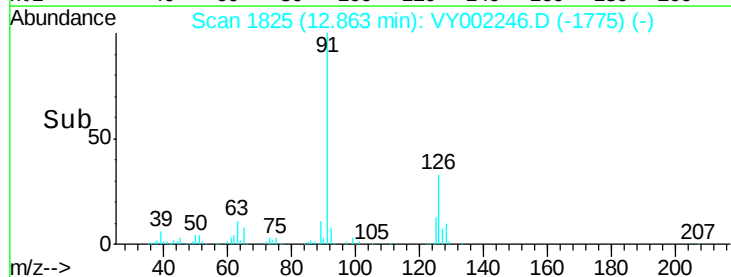
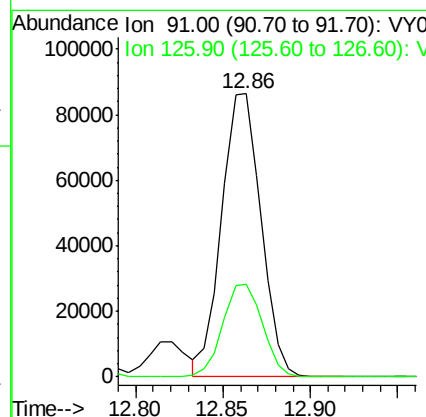
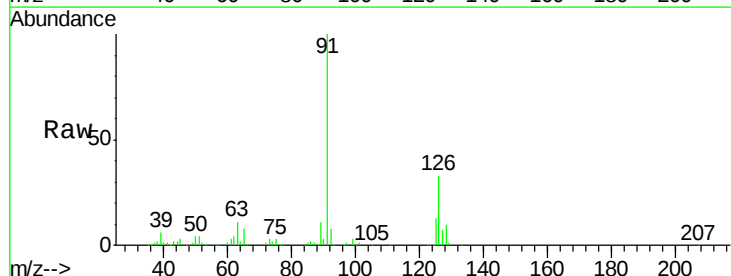
Manual Integrations
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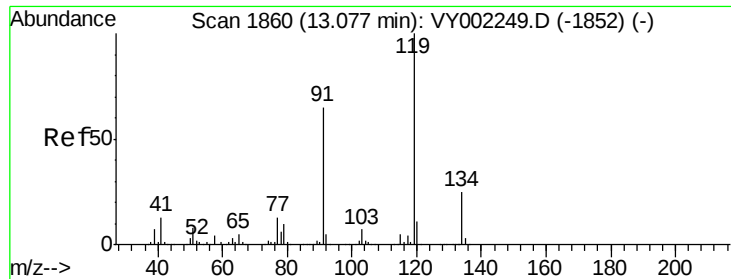
MMDadoda
4/9/2020 11:31:47 AM



#82
4-Chlorotoluene
Concen: 20.710 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.9	50.7





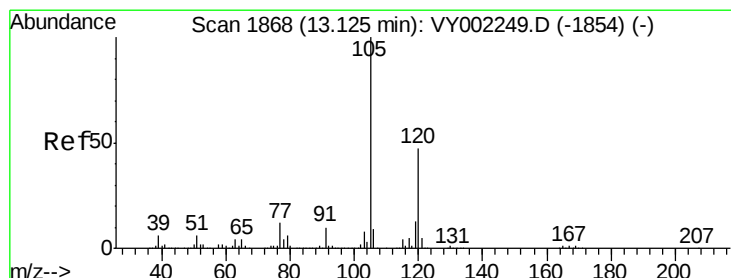
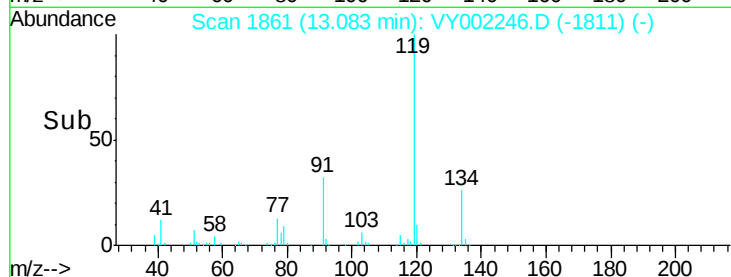
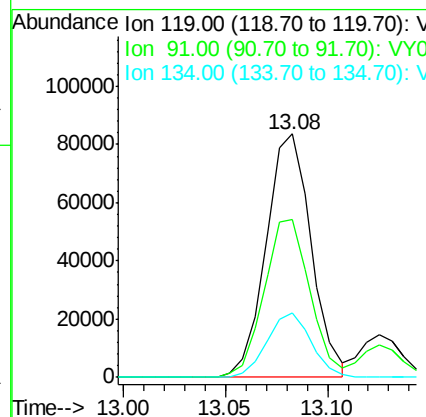
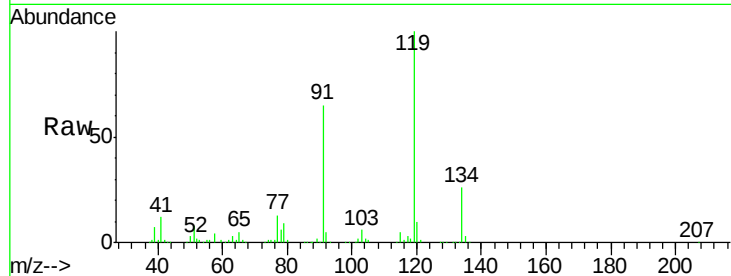
#83
 tert-Butylbenzene
 Concen: 20.222 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.9	32.4	97.0
134	26.2	12.6	37.6

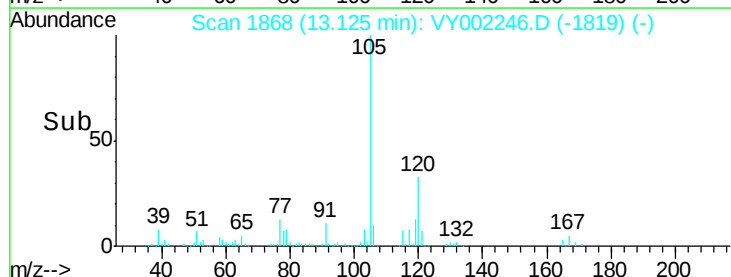
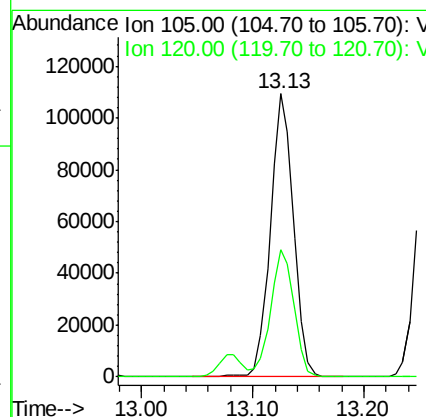
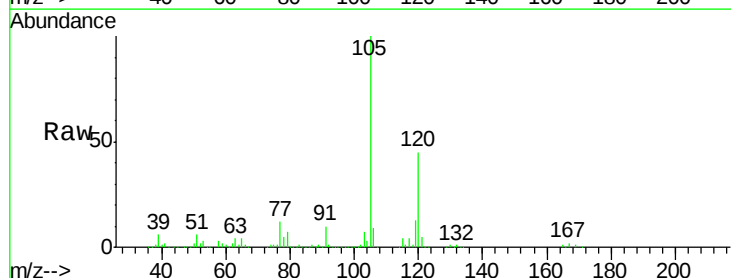
Manual Integrations
 APPROVED

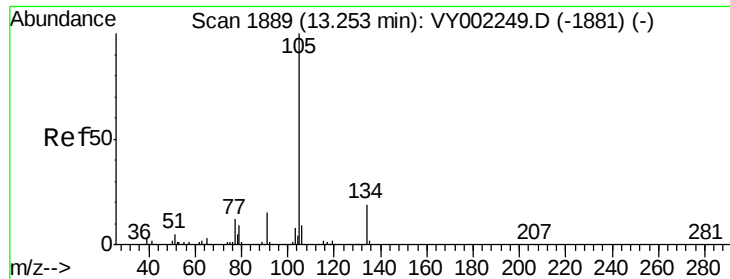
MMDadoda
 4/9/2020 11:31:47 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.812 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 20.382 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 193722

Ion Ratio Lower Upper

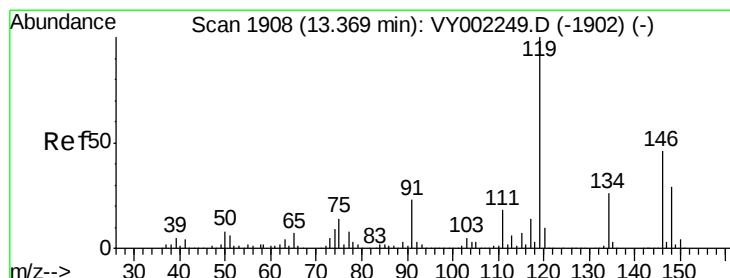
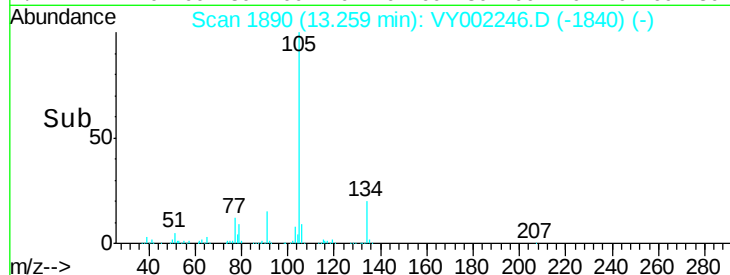
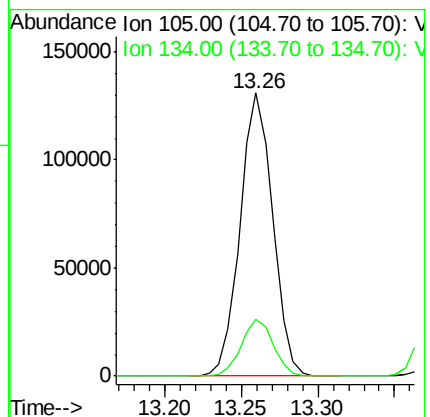
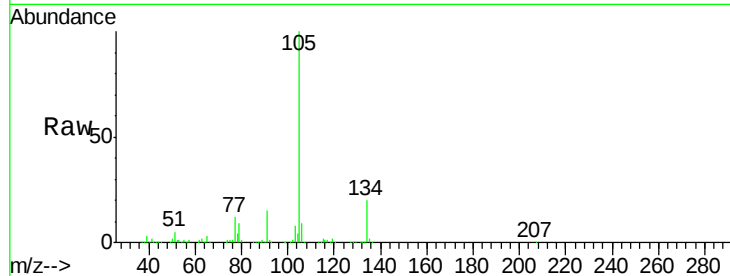
105 100

134 19.8 9.8 29.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.803 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY002246.D

Acq: 08 Apr 2020 12:09

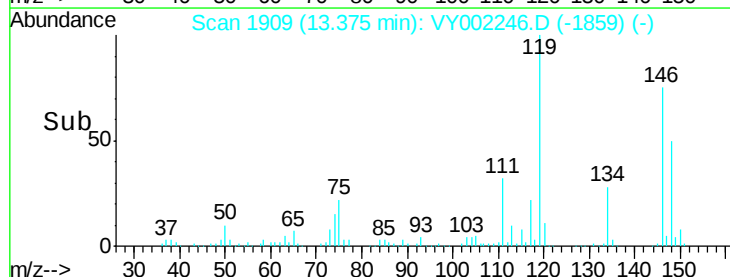
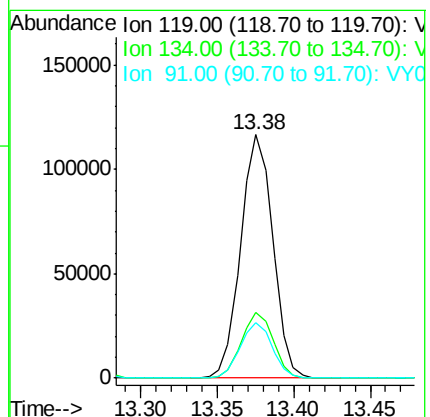
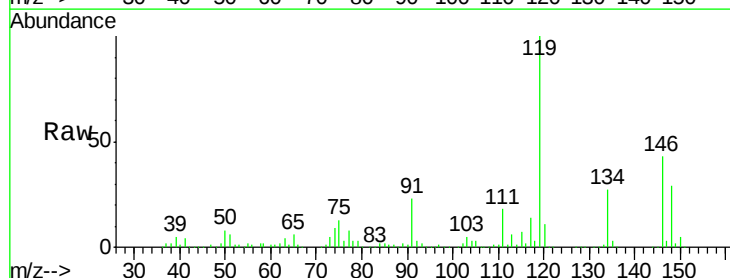
Tgt Ion:119 Resp: 170177

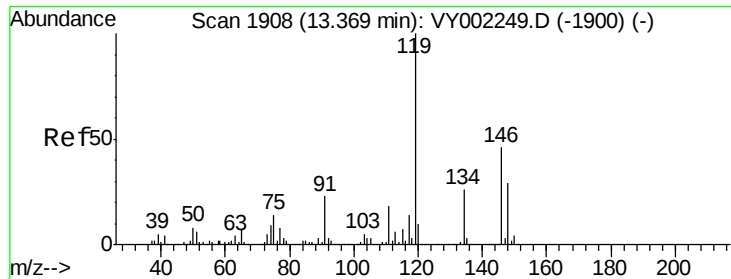
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 22.9 11.5 34.4





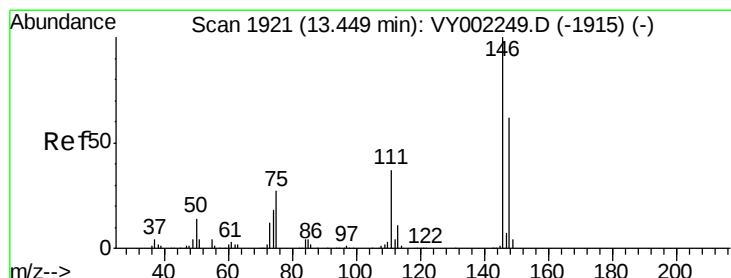
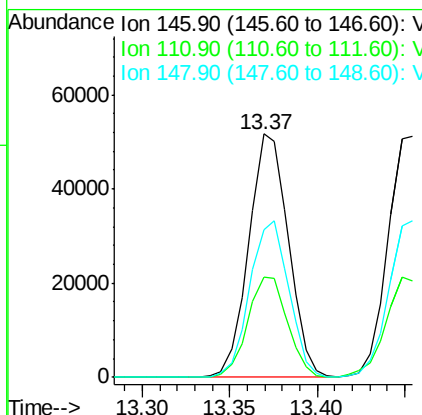
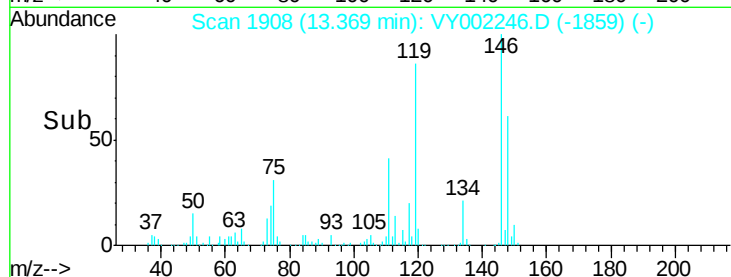
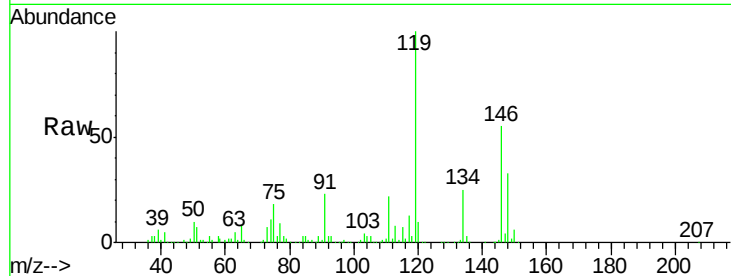
#87
 1,3-Dichlorobenzene
 Concen: 20.747 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	81476		
111	41.2	20.3	60.8	
148	63.5	32.1	96.3	

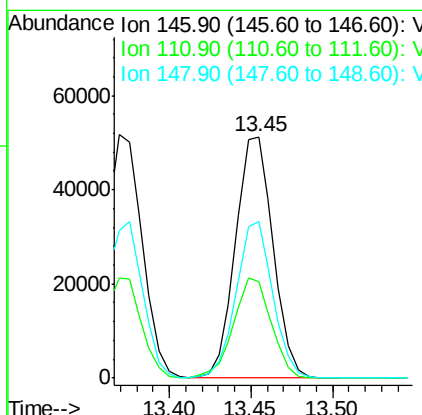
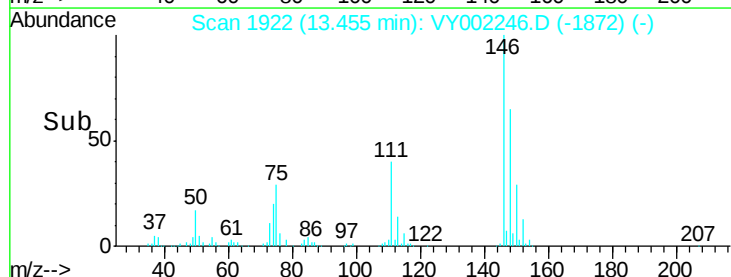
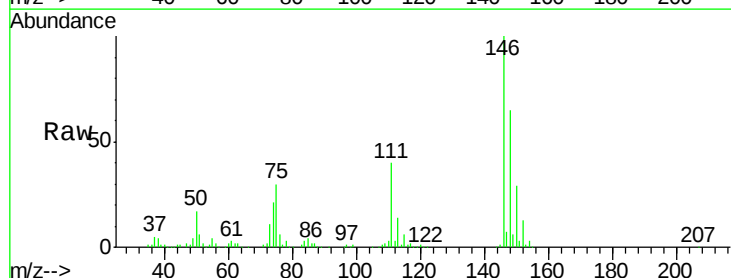
Manual Integrations
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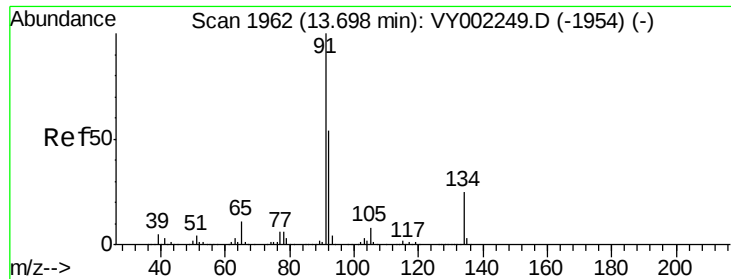
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 4/9/2020 11:31:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.587 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	82068		
111	41.8	19.6	58.8	
148	63.2	32.0	96.0	





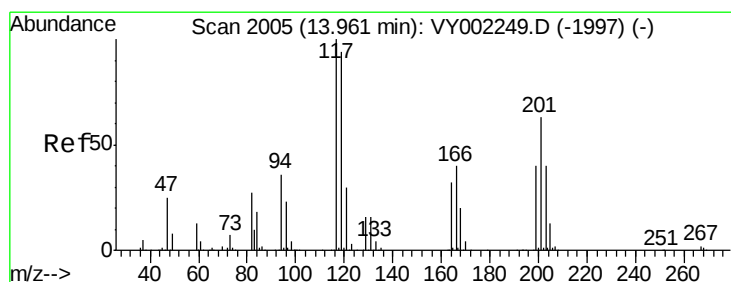
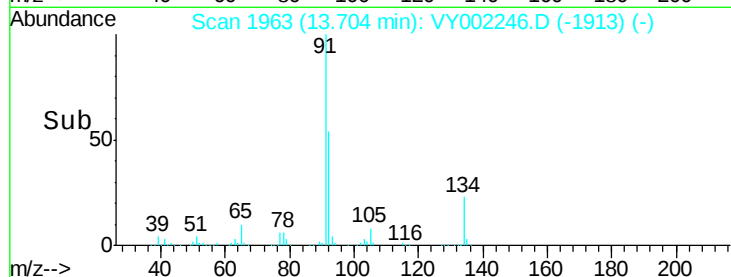
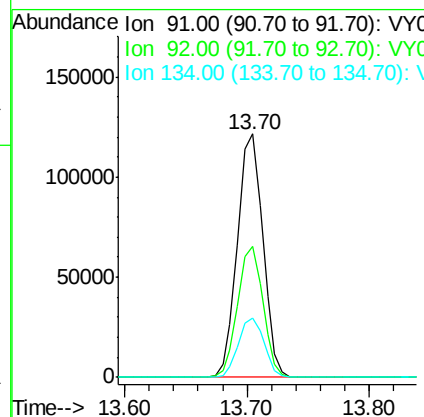
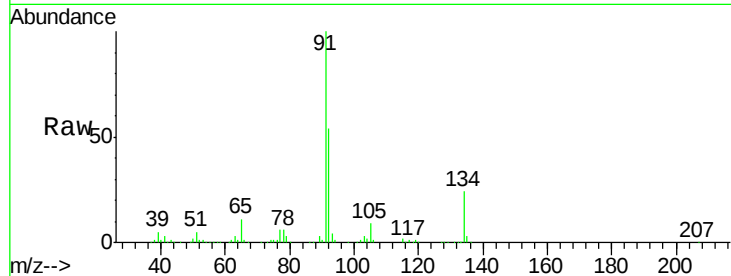
#89
n-Butylbenzene
Concen: 20.831 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.3	27.2	81.6	
134	24.7	12.7	38.0	

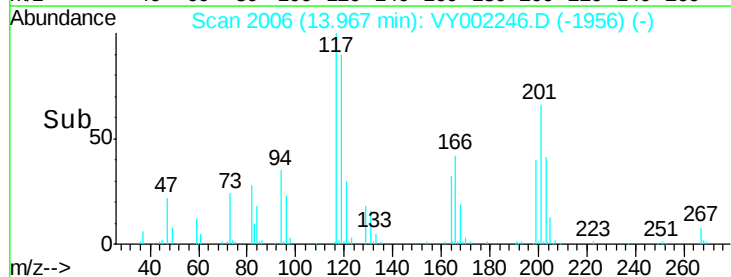
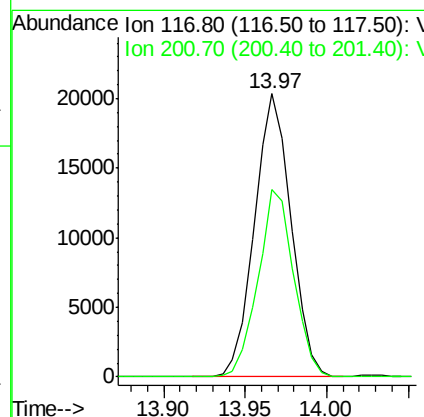
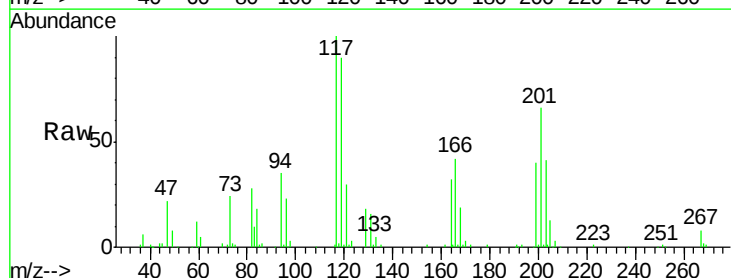
Manual Integrations
APPROVED

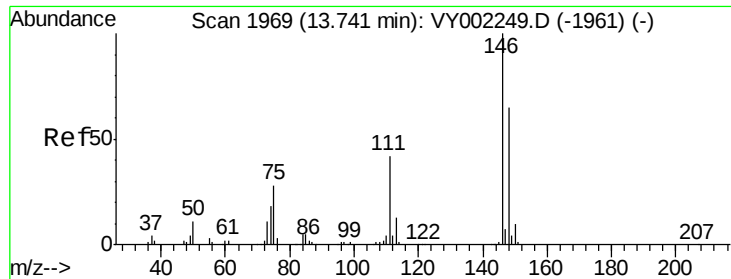
MMDadoda
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#90
Hexachloroethane
Concen: 20.310 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	64.6	33.1	99.2	





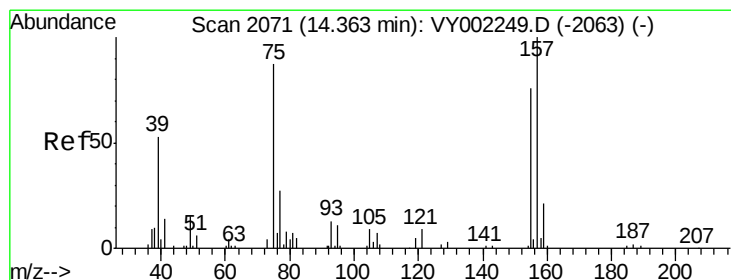
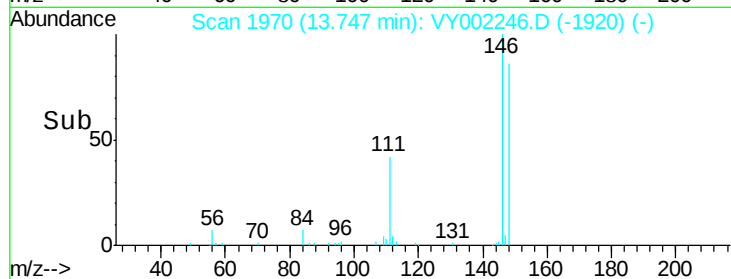
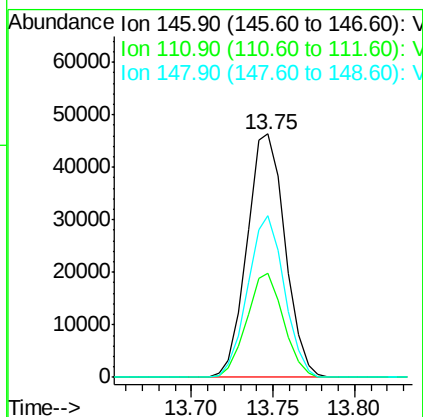
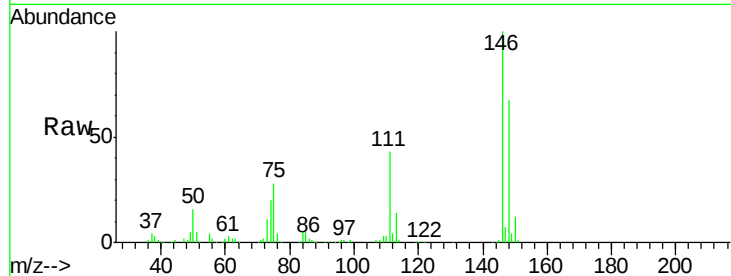
#91
 1,2-Dichlorobenzene
 Concen: 21.040 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.01 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.1
148	63.9	31.9	95.9

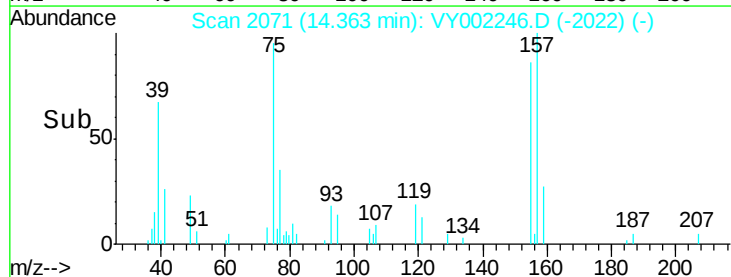
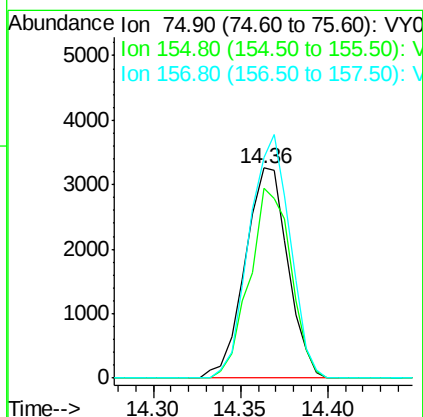
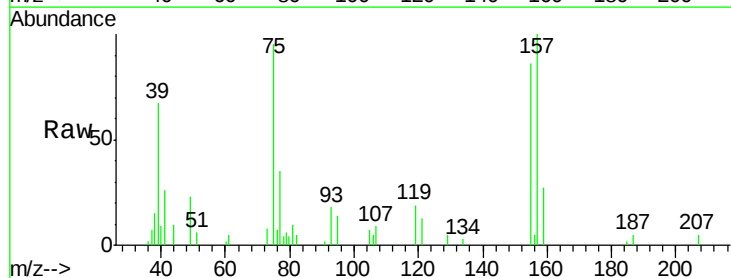
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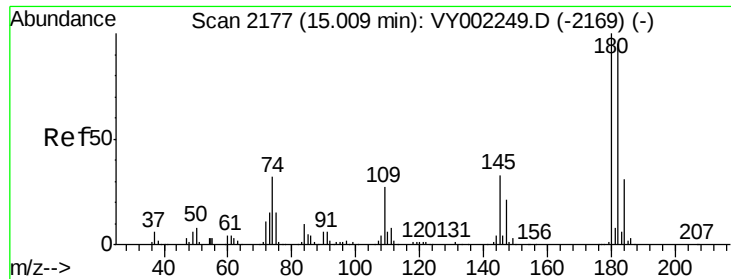
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.564 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	43.6	130.8
157	110.6	56.0	168.2





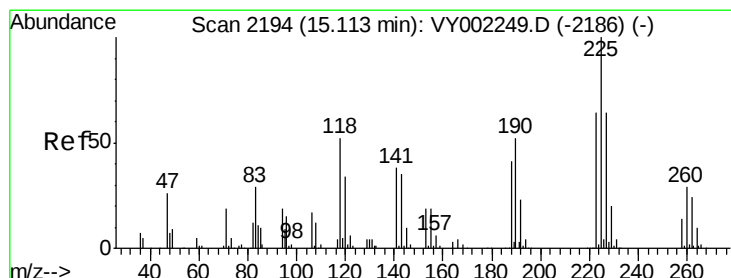
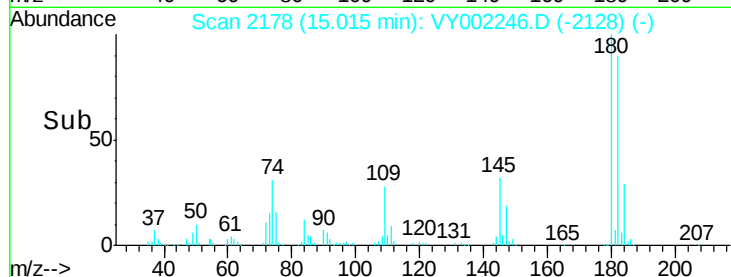
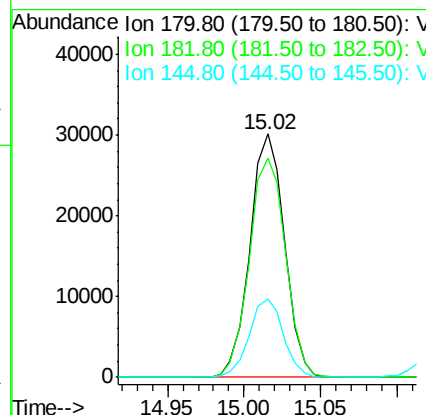
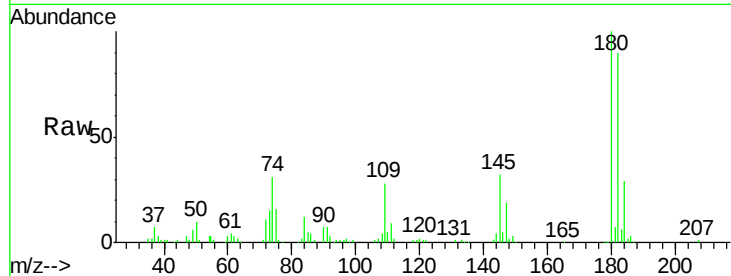
#93
 1,2,4-Trichlorobenzene
 Concen: 20.290 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.7
145	31.7	16.0	48.0

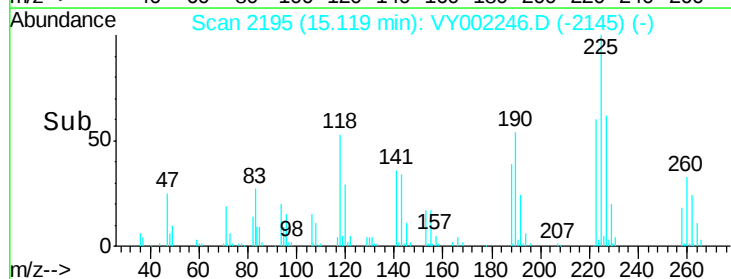
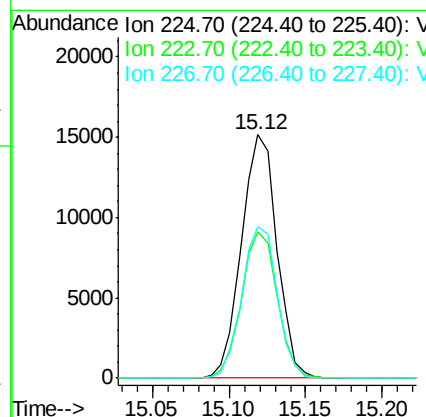
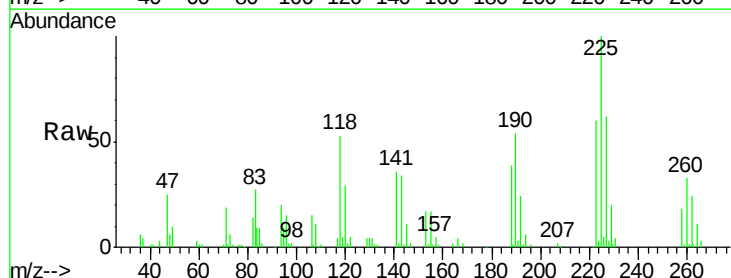
Manual Integrations
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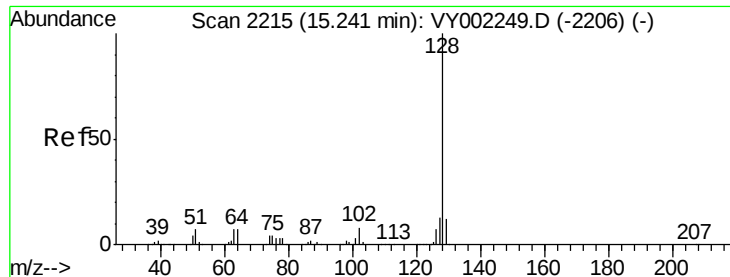
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 4/9/2020 11:31:47 AM



#94
 Hexachlorobutadiene
 Concen: 20.755 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VY002246.D
 Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.0	93.0
227	61.9	31.3	93.9





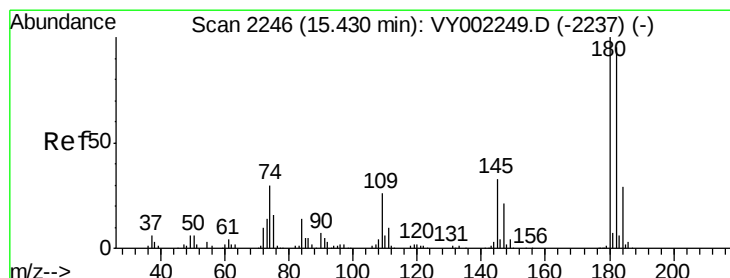
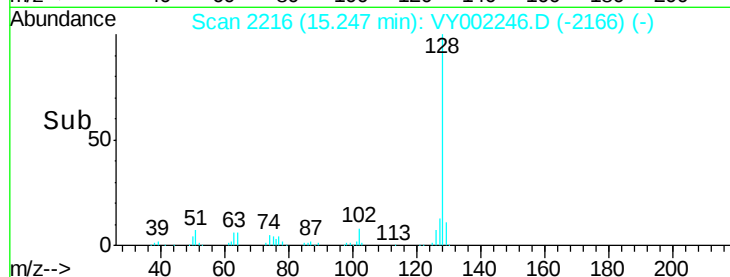
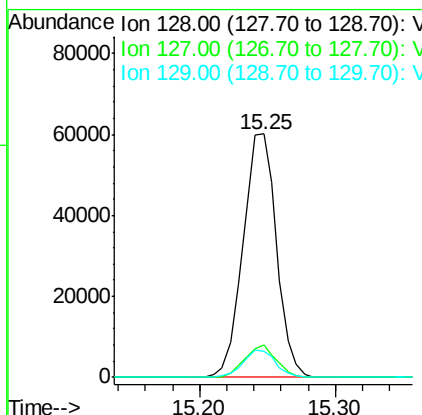
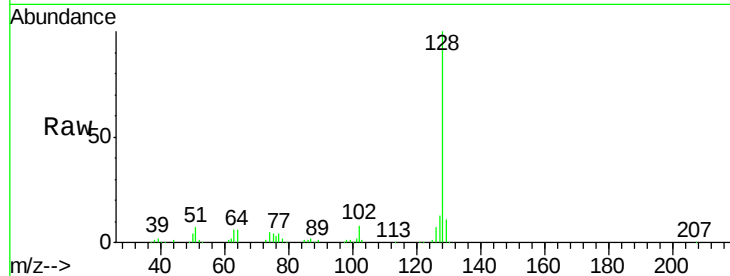
#95
Naphthalene
Concen: 20.261 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	103471		
127	12.4	10.1	15.1	
129	10.8	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.417 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY002246.D
Acq: 08 Apr 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	41350		
182	92.7	47.1	141.3	
145	32.8	16.7	50.1	

