

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000004.D
 Acq On : 11 Sep 2019 17:17
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:29 PM

Quant Time: Sep 12 09:05:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 08:42:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	155991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	288782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	245069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	105749	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	31275	18.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.32%	
35) Dibromofluoromethane	7.71	113	32726	19.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.44%	
50) Toluene-d8	10.18	98	121922	18.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.08%	
62) 4-Bromofluorobenzene	12.48	95	48610	20.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.00%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.90	85	23783	27.076	ug/l	97
3) Chloromethane	2.11	50	35664	32.180	ug/l	100
4) Vinyl Chloride	2.25	62	35959	27.027	ug/l	93
5) Bromomethane	2.62	94	20873	28.660	ug/l	94
6) Chloroethane	2.78	64	23496	29.094	ug/l	96
7) Trichlorofluoromethane	3.11	101	44520	41.740	ug/l	92
8) Diethyl Ether	3.53	74	17277	23.158	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.89	101	30685	22.455	ug/l	97
10) Methyl Iodide	4.08	142	34501	20.193	ug/l	99
11) Tert butyl alcohol	4.98	59	20866	148.176	ug/l #	83
12) 1,1-Dichloroethene	3.87	96	29399	22.666	ug/l #	87
13) Acrolein	3.73	56	16439	117.604	ug/l	93
14) Allyl chloride	4.48	41	44422	17.364	ug/l	99
15) Acrylonitrile	5.17	53	59015	133.646	ug/l	98
16) Acetone	3.95	43	43407	94.511	ug/l	94
17) Carbon Disulfide	4.18	76	58029	21.308	ug/l	98
18) Methyl Acetate	4.48	43	27357	24.306	ug/l	96
19) Methyl tert-butyl Ether	5.22	73	82182	29.822	ug/l	96
20) Methylene Chloride	4.71	84	36785	24.344	ug/l #	88
21) trans-1,2-Dichloroethene	5.22	96	32569	24.500	ug/l	97
22) Diisopropyl ether	6.12	45	96485	18.917	ug/l	97
23) Vinyl Acetate	6.06	43	327462	100.440	ug/l	100
24) 1,1-Dichloroethane	6.01	63	56959	20.424	ug/l	95
25) 2-Butanone	6.99	43	71461	113.786	ug/l	99
26) 2,2-Dichloropropane	6.98	77	49233	26.435	ug/l	98
27) cis-1,2-Dichloroethene	6.98	96	38329	24.425	ug/l	99
28) Bromochloromethane	7.34	49	24818	19.099	ug/l	99
29) Tetrahydrofuran	7.35	42	45123	116.943	ug/l	98
30) Chloroform	7.51	83	58094	20.763	ug/l	95
31) Cyclohexane	7.78	56	48155	19.218	ug/l	96
32) 1,1,1-Trichloroethane	7.70	97	49132	21.671	ug/l	98
36) 1,1-Dichloropropene	7.91	75	42244	17.274	ug/l	99
37) Ethyl Acetate	7.08	43	29437	18.697	ug/l	100
38) Carbon Tetrachloride	7.90	117	40653	16.926	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	50705	18.128	ug/l	96
40) Benzene	8.16	78	135726	19.498	ug/l	98
41) Methacrylonitrile	7.31	41	19252m	20.869	ug/l	
42) 1,2-Dichloroethane	8.24	62	35953	15.335	ug/l	98
43) Isopropyl Acetate	8.28	43	53237	17.881	ug/l	93
44) Trichloroethene	8.94	130	34586	19.238	ug/l	99
45) 1,2-Dichloropropane	9.21	63	36262	18.925	ug/l	97
46) Dibromomethane	9.31	93	18415	19.970	ug/l	99
47) Bromodichloromethane	9.49	83	46489	18.696	ug/l #	89
48) Methyl methacrylate	9.29	41	23966	16.878	ug/l	96
49) 1,4-Dioxane	9.30	88	7615	407.465	ug/l #	84
51) 4-Methyl-2-Pentanone	10.07	43	150421	95.378	ug/l	100
52) Toluene	10.24	92	83561	19.196	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	46473	18.071	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	55555	19.049	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	30431	21.866	ug/l	94
56) Ethyl methacrylate	10.51	69	42463	20.918	ug/l	99
57) 1,3-Dichloropropane	10.79	76	48436	19.105	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	107614	99.061	ug/l	98
59) 2-Hexanone	10.83	43	105647	91.704	ug/l	97
60) Dibromochloromethane	10.98	129	30192	18.750	ug/l	96
61) 1,2-Dibromoethane	11.09	107	26982	21.080	ug/l	98
64) Tetrachloroethene	10.71	164	31570	21.609	ug/l	85
65) Chlorobenzene	11.51	112	92555	20.247	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	31443	18.849	ug/l	96
67) Ethyl Benzene	11.59	91	167155	19.674	ug/l	98
68) m/p-Xylenes	11.70	106	125030	40.157	ug/l	99
69) o-Xylene	12.02	106	60552	20.642	ug/l	94
70) Styrene	12.04	104	105283	20.409	ug/l	99
71) Bromoform	12.20	173	18995	20.189	ug/l #	95
73) Isopropylbenzene	12.32	105	160824	21.353	ug/l	98
74) N-amyl acetate	12.14	43	44223	18.877	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	37950	24.284	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	25193m	22.560	ug/l	
77) Bromobenzene	12.60	156	34263	20.204	ug/l	97
78) n-propylbenzene	12.66	91	191837	21.168	ug/l	99
79) 2-Chlorotoluene	12.75	91	109900	21.247	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	135168	21.336	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	15032	27.928	ug/l	99
82) 4-Chlorotoluene	12.85	91	114260	20.884	ug/l	97
83) tert-Butylbenzene	13.07	119	113823	20.429	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	131093	20.462	ug/l	99
85) sec-Butylbenzene	13.24	105	169782	21.717	ug/l	99
86) p-Isopropyltoluene	13.36	119	144302	20.476	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	65494	19.538	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	67197	20.186	ug/l	99
89) n-Butylbenzene	13.69	91	139234	20.160	ug/l	99
90) Hexachloroethane	13.95	117	29196	23.189	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	64085	21.177	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.35	75	6612	22.951	ug/l	89

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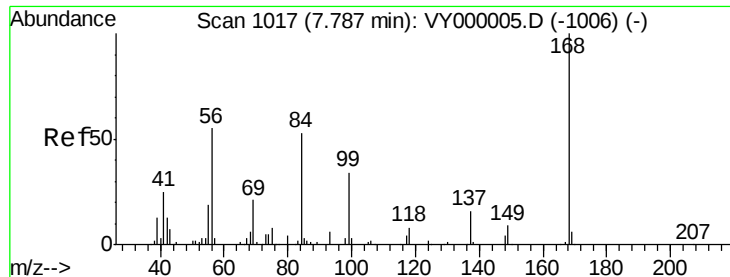
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	38153	18.684	ug/l	99
94) Hexachlorobutadiene	15.10	225	18501	13.655	ug/l	98
95) Naphthalene	15.22	128	106926	26.259	ug/l	100
96) 1,2,3-Trichlorobenzene	15.41	180	33164	18.255	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 155991

Ion Ratio Lower Upper

168 100

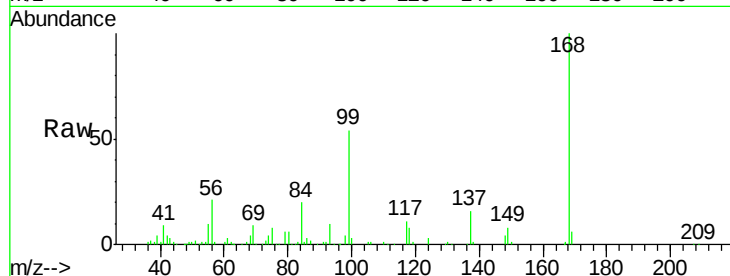
99 53.8 44.2 66.2

Manual Integrations

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9/13/2019 11:51:29 PM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

60000

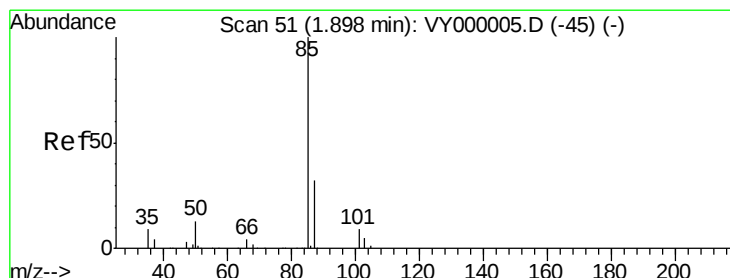
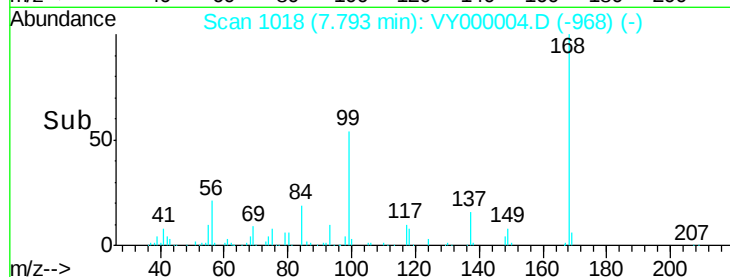
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 27.076 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000004.D

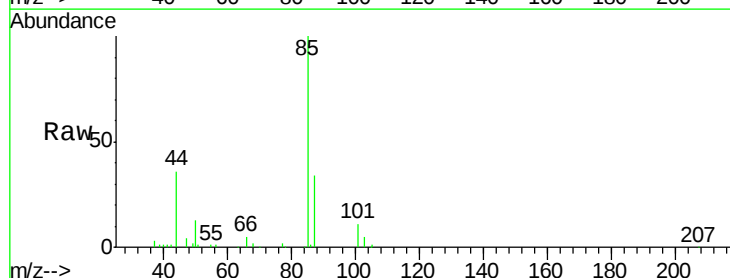
Acq: 11 Sep 2019 17:17

Tgt Ion: 85 Resp: 23783

Ion Ratio Lower Upper

85 100

87 34.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

15000

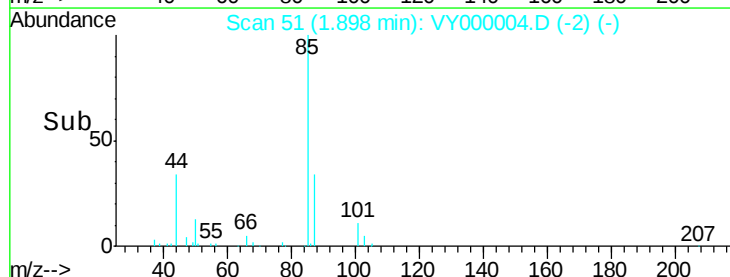
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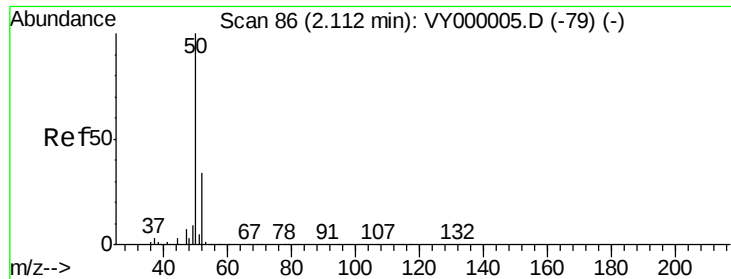
5000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 32.180 ug/l

RT: 2.11 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 35664

Ion Ratio Lower Upper

50 100

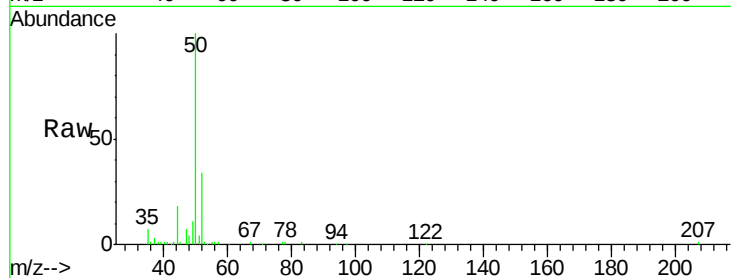
52 33.6 26.8 40.2

Manual Integrations

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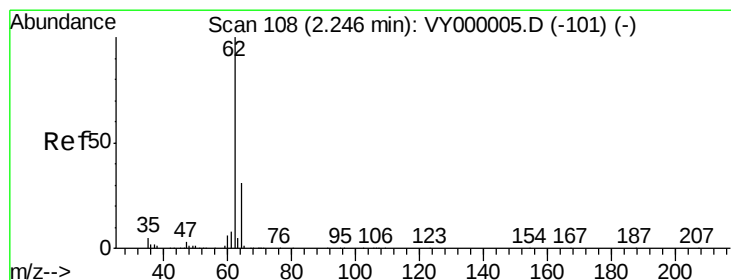
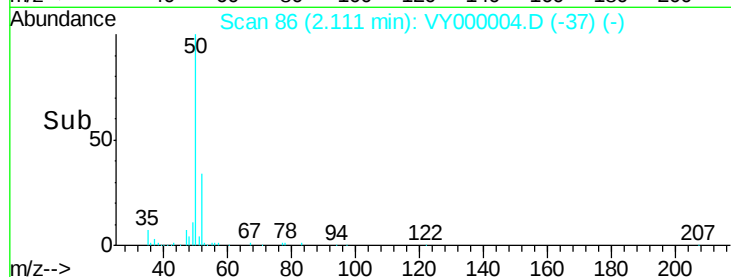
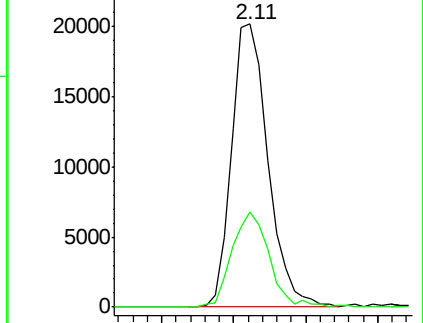
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 27.027 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000004.D

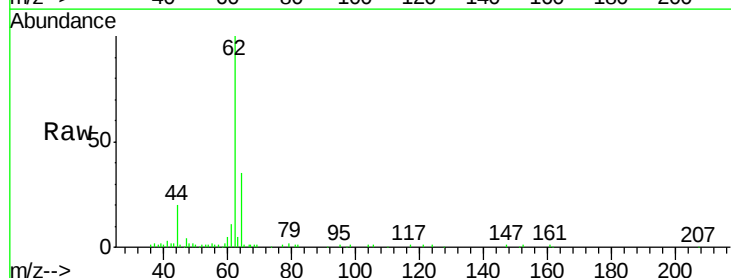
Acq: 11 Sep 2019 17:17

Tgt Ion: 62 Resp: 35959

Ion Ratio Lower Upper

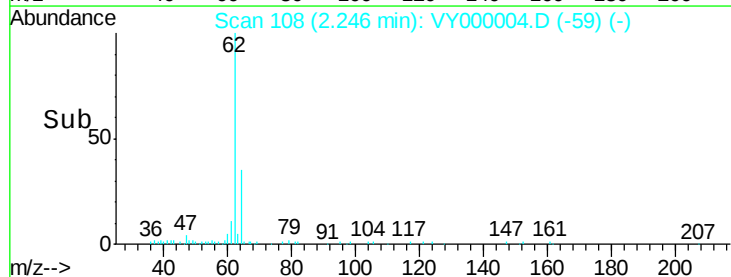
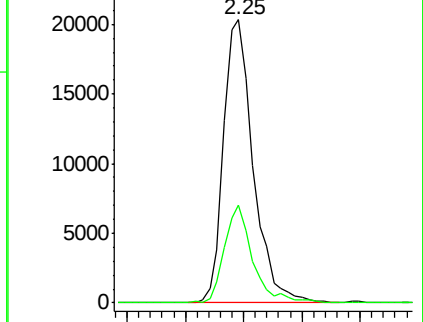
62 100

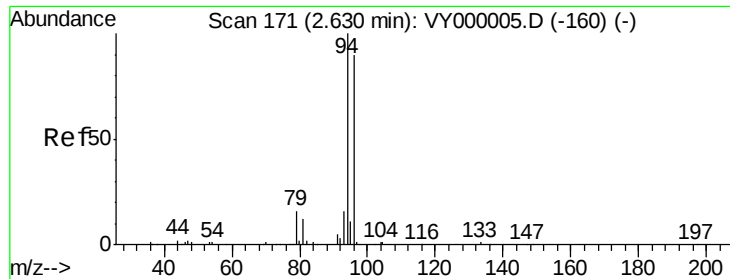
64 34.6 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 28.660 ug/l

RT: 2.62 min Scan# 169

Delta R.T. -0.01 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 20873

Ion Ratio Lower Upper

94 100

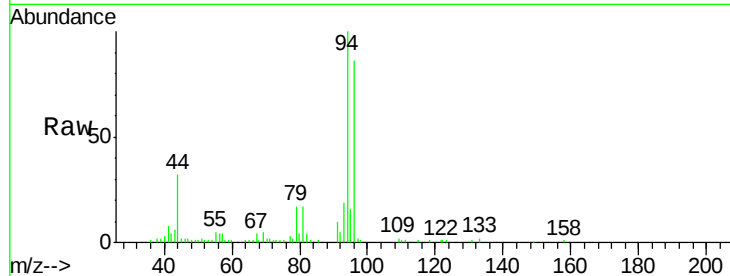
96 84.2 71.6 107.4

Manual Integrations

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9/13/2019 11:51:29 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

12000

10000

8000

6000

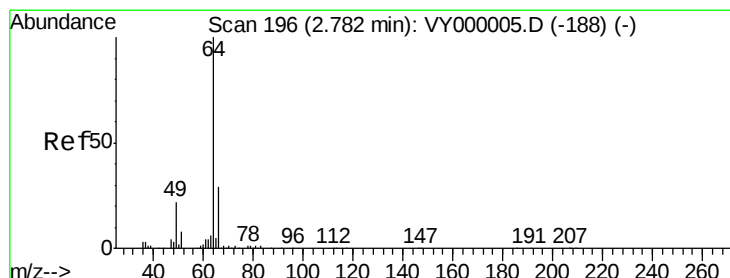
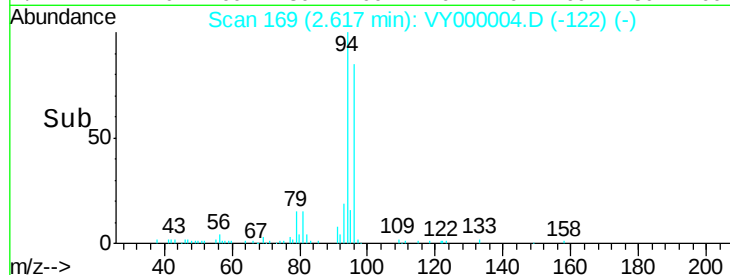
4000

2000

0

2.50 2.55 2.60 2.65 2.70

Time-->



#6

Chloroethane

Concen: 29.094 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VY000004.D

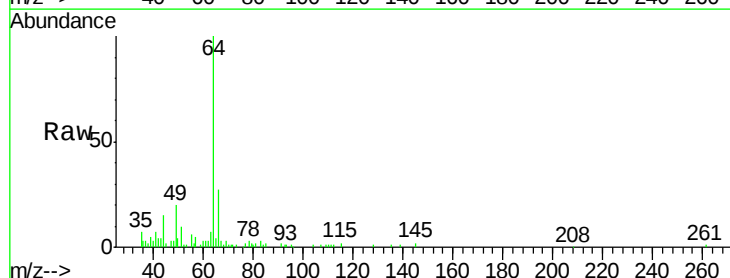
Acq: 11 Sep 2019 17:17

Tgt Ion: 64 Resp: 23496

Ion Ratio Lower Upper

64 100

66 27.0 23.5 35.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

12000

10000

8000

6000

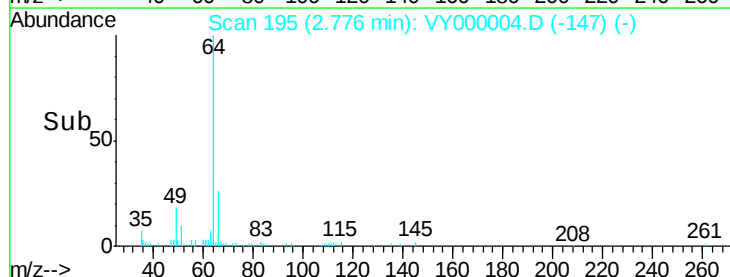
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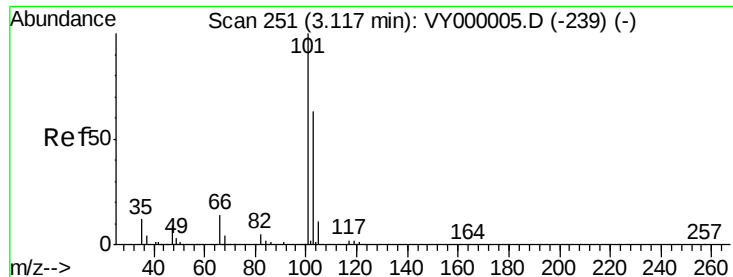
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0

2.70 2.80 2.90

Time-->





#7

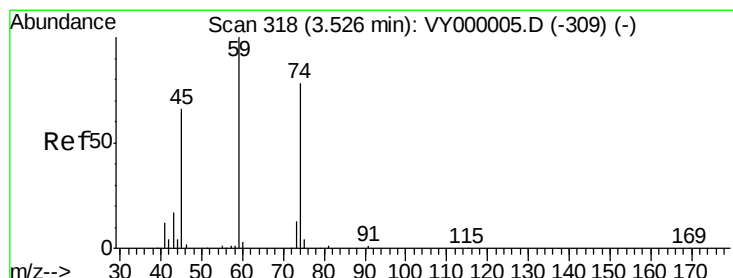
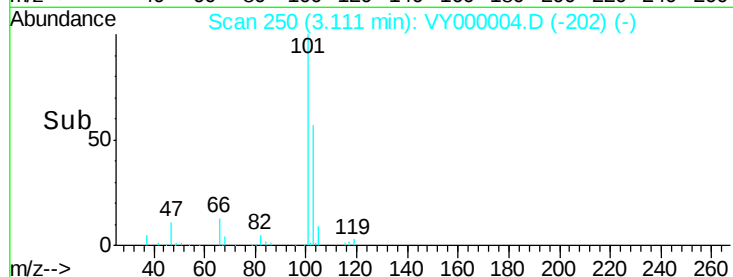
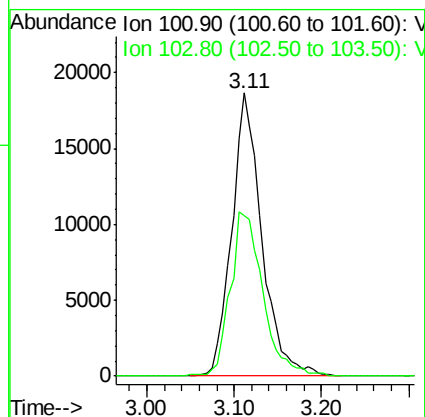
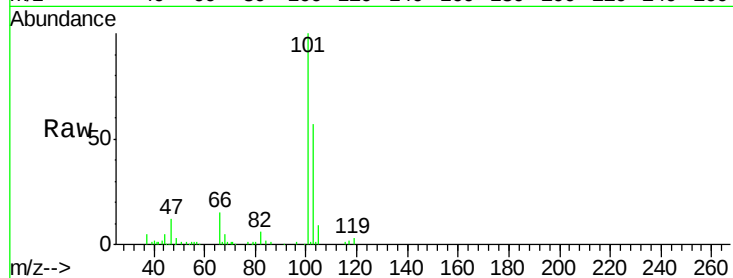
Trichlorofluoromethane
Concen: 41.740 ug/l
RT: 3.11 min Scan# 250
Delta R.T. -0.01 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.7	50.0	75.0

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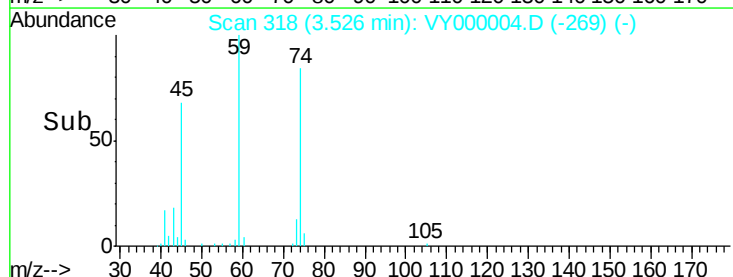
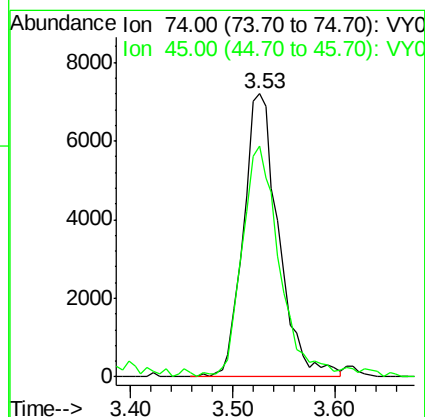
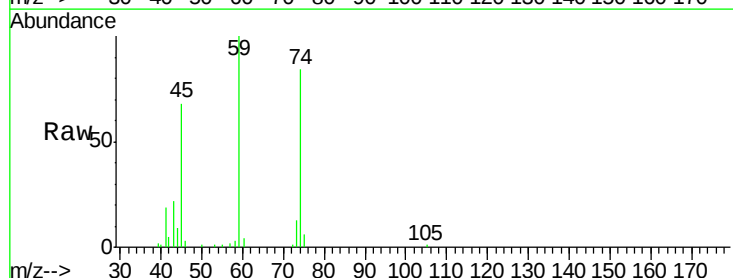
MMDadoda
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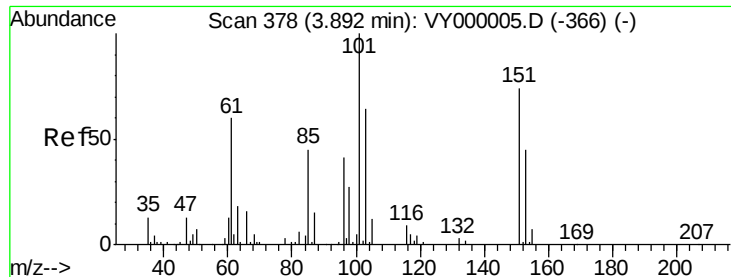


#8

Diethyl Ether
Concen: 23.158 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.4	40.5	121.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.455 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

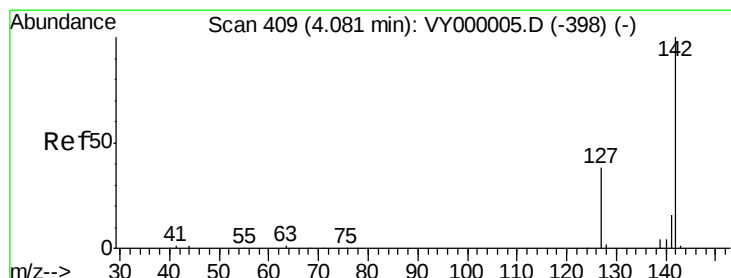
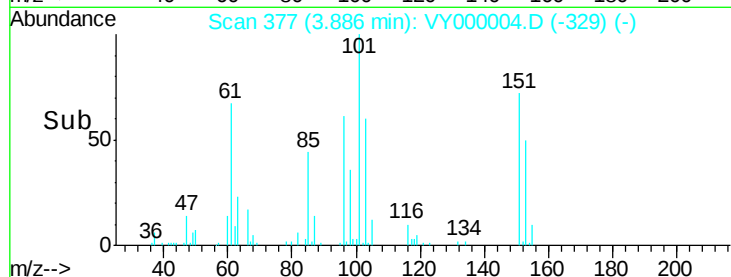
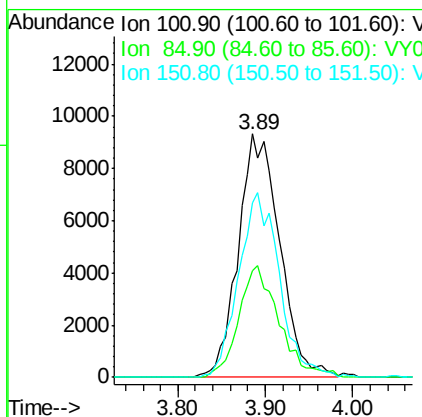
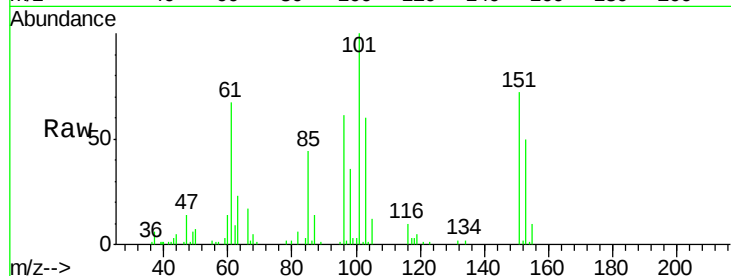
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	30685
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.0	51.0
151	74.5	57.3	85.9

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#10

Methyl Iodide

Concen: 20.193 ug/l

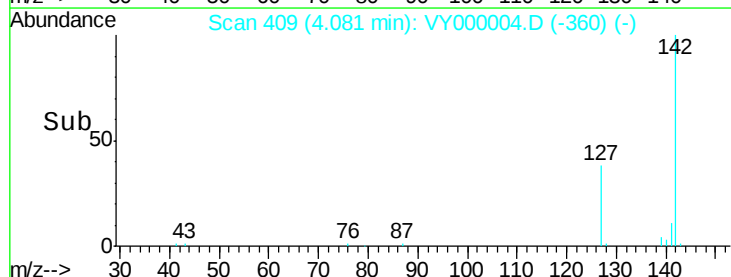
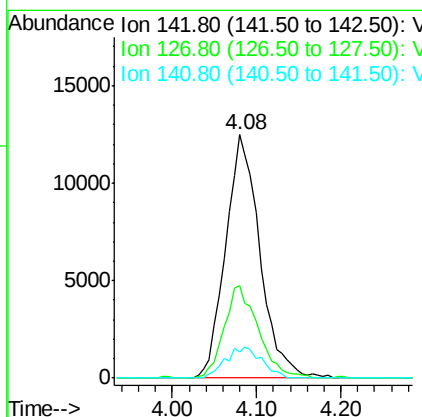
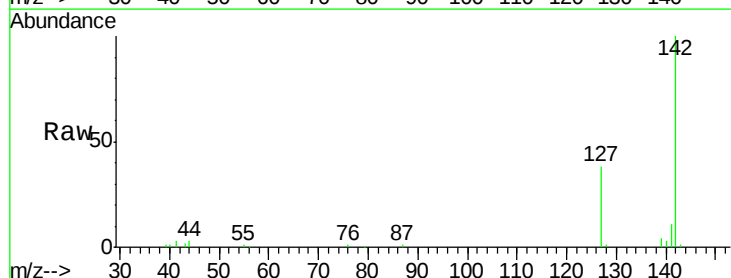
RT: 4.08 min Scan# 409

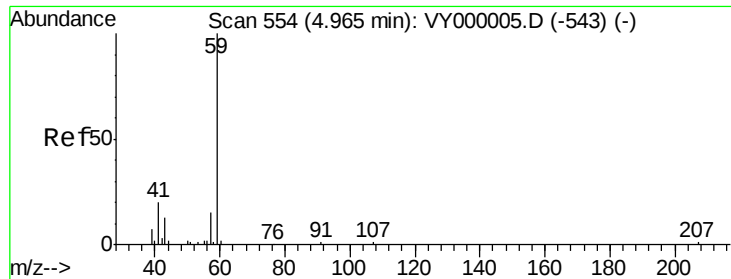
Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Tgt Ion:	142	Resp:	34501
Ion Ratio	Lower	Upper	
142	100		
127	37.8	30.0	45.0
141	13.3	11.0	16.4





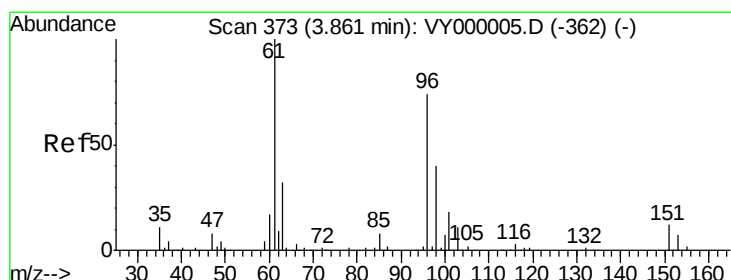
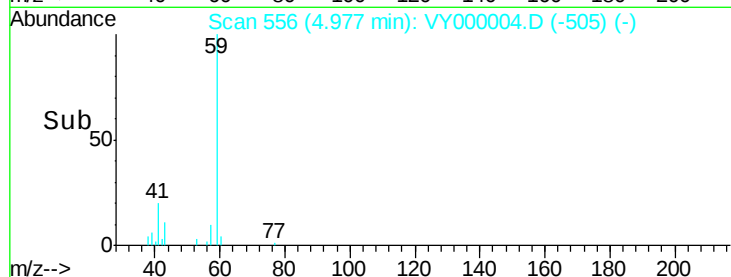
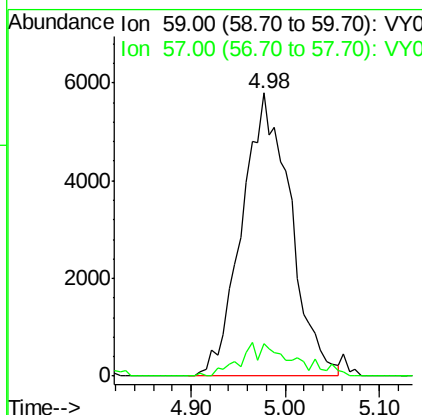
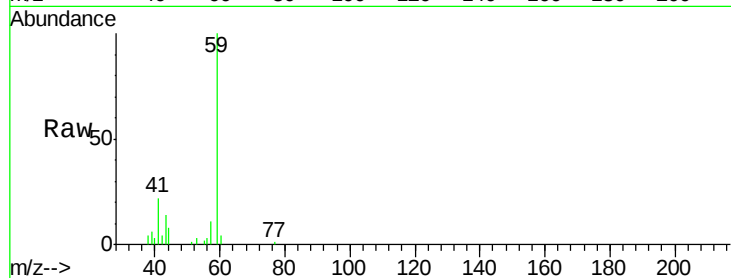
#11
Tert butyl alcohol
Concen: 148.176 ug/l
RT: 4.98 min Scan# 556
Delta R.T. 0.01 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	20866		
57	4.6		8.9	13.3#

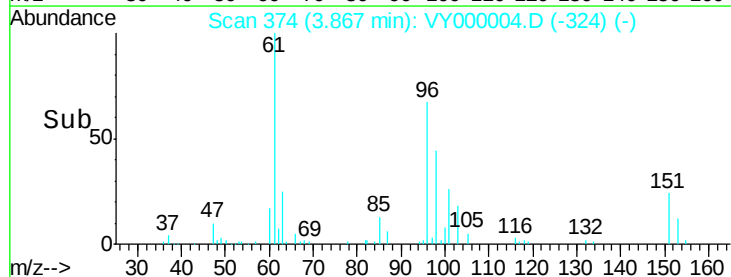
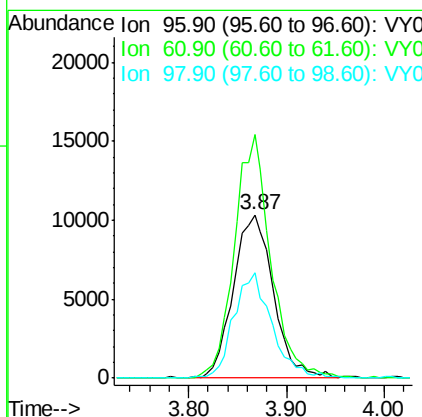
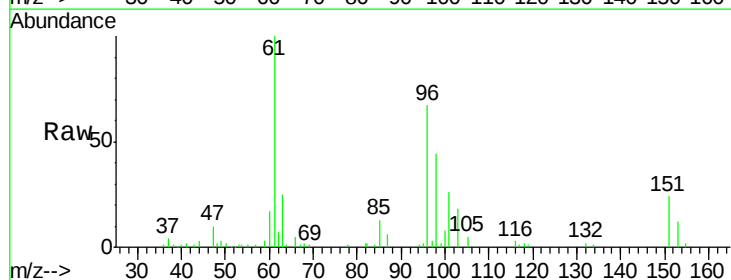
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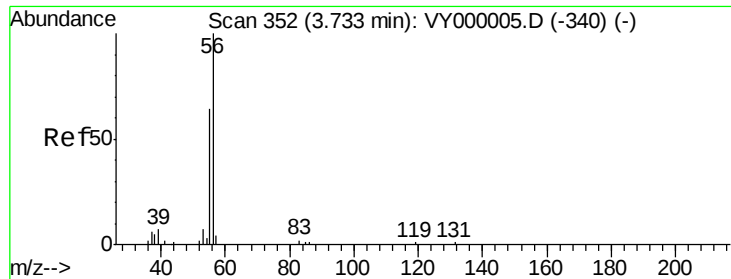
MMDadoda
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#12
1,1-Dichloroethene
Concen: 22.666 ug/l
RT: 3.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	29399		
61	149.1		108.1	162.1
98	64.9		42.8	64.2#





#13

Acrolein

Concen: 117.604 ug/l

RT: 3.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 16439

Ion Ratio Lower Upper

56 100

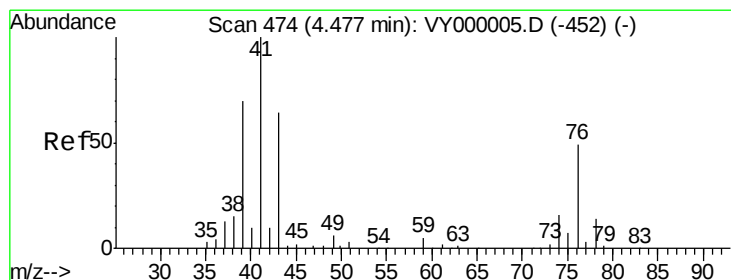
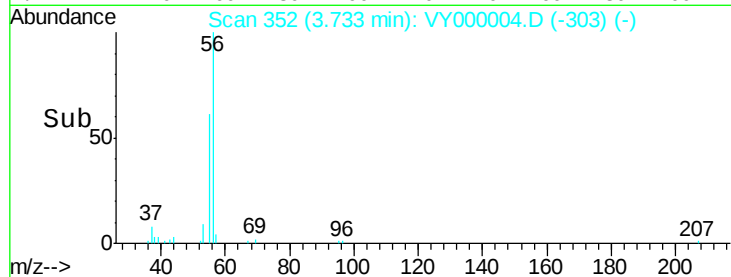
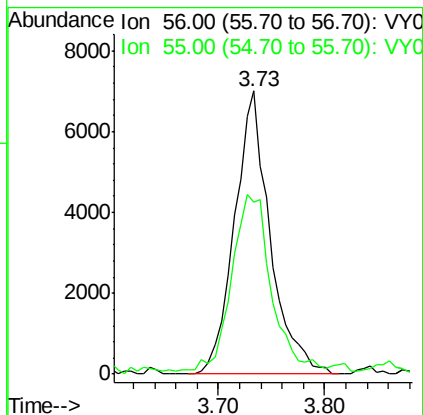
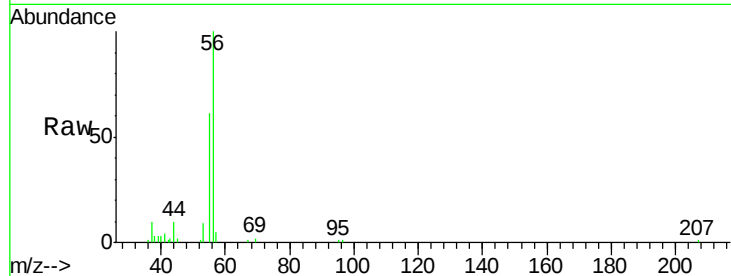
55 72.2 53.3 79.9

Manual Integrations

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#14

Allyl chloride

Concen: 17.364 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

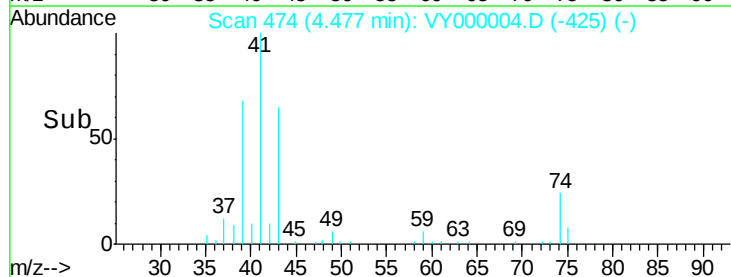
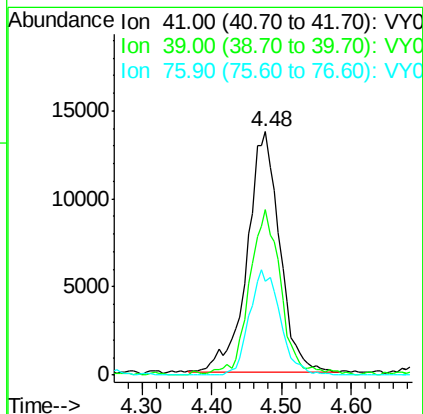
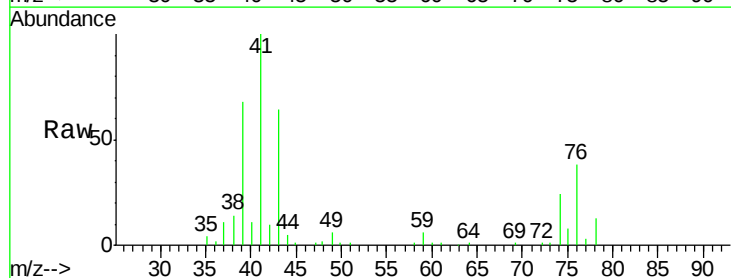
Tgt Ion: 41 Resp: 44422

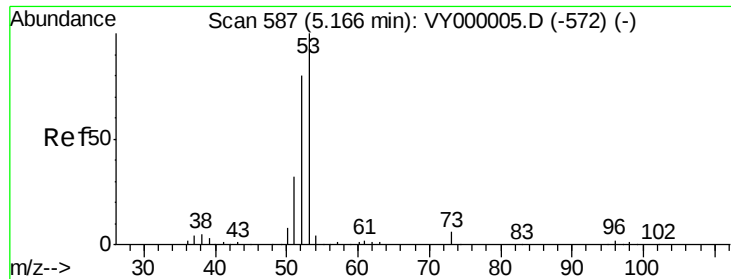
Ion Ratio Lower Upper

41 100

39 64.4 52.4 78.6

76 41.0 33.3 49.9





#15

Acrylonitrile

Concen: 133.646 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

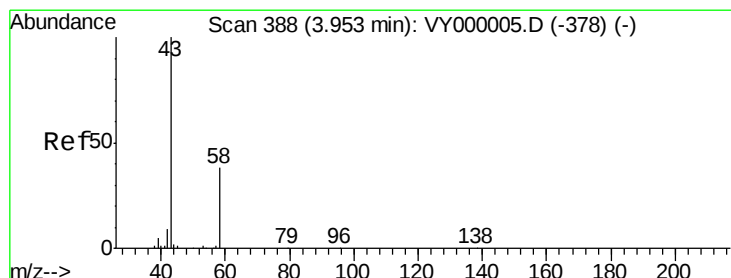
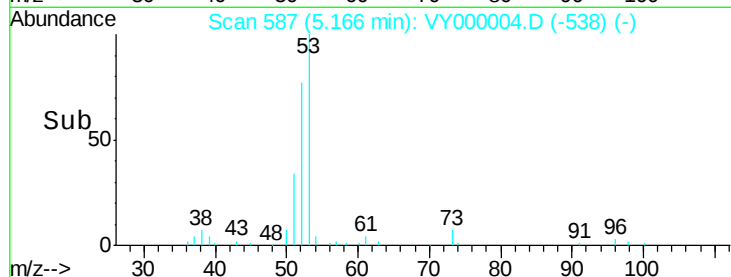
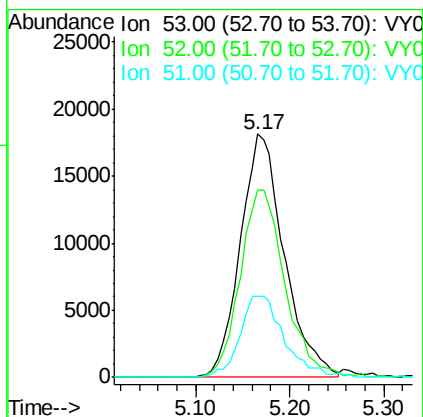
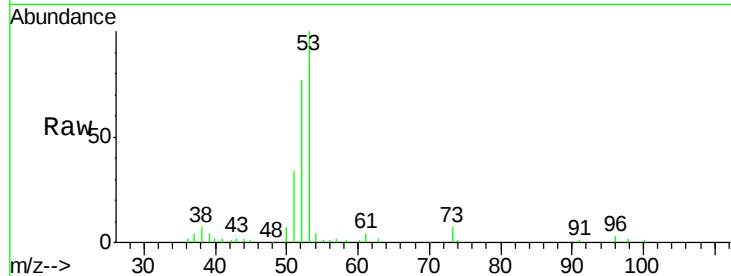
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	59015
Ion Ratio	Lower	Upper	
53	100		
52	78.3	64.4	96.6
51	34.2	27.1	40.7

Manual Integrations
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#16

Acetone

Concen: 94.511 ug/l

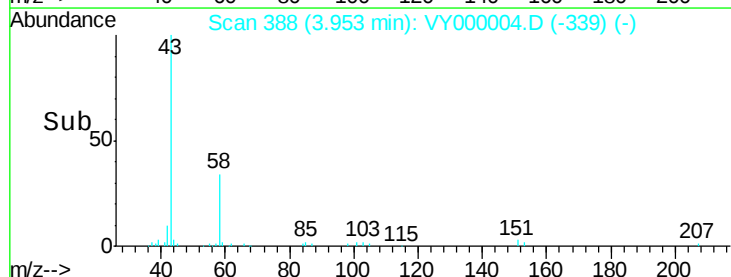
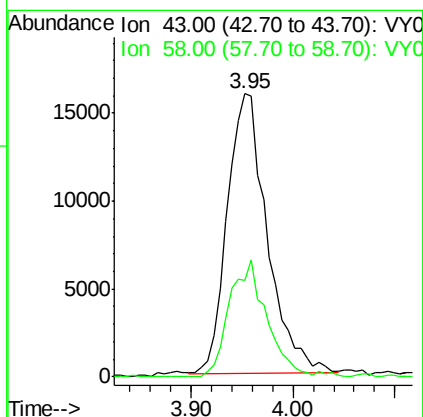
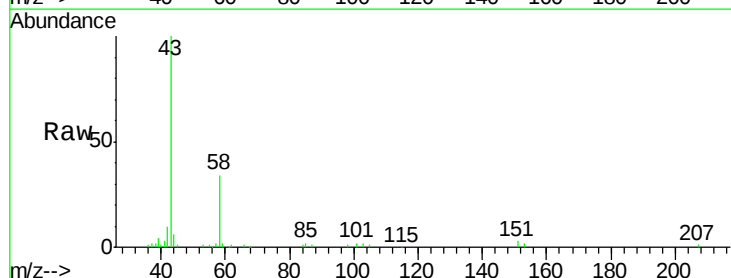
RT: 3.95 min Scan# 388

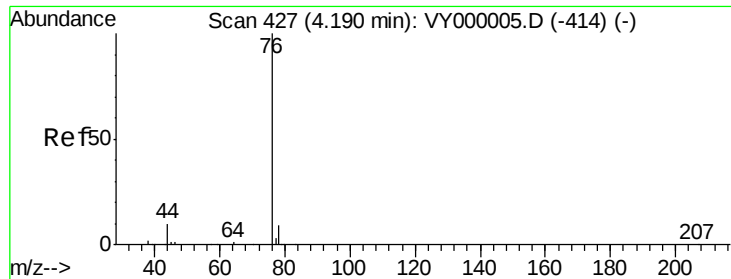
Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Tgt Ion:	43	Resp:	43407
Ion Ratio	Lower	Upper	
43	100		
58	34.4	30.5	45.7





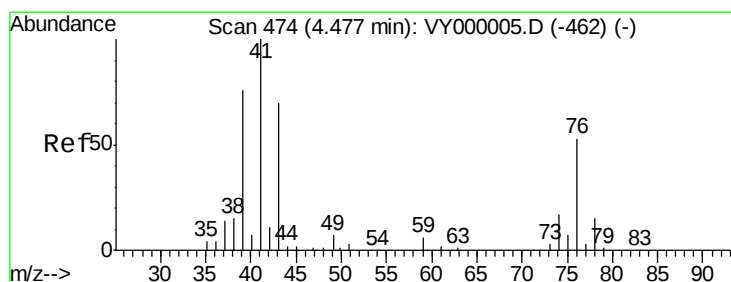
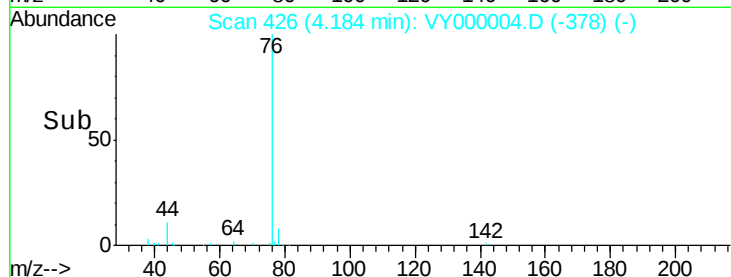
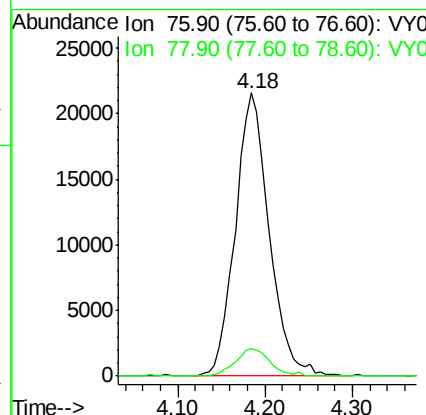
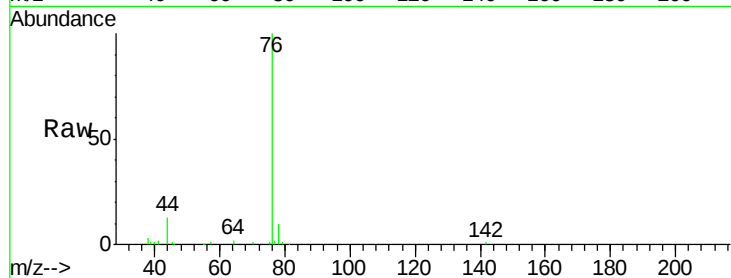
#17
Carbon Disulfide
Concen: 21.308 ug/l
RT: 4.18 min Scan# 426
Delta R.T. -0.01 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 58029
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8

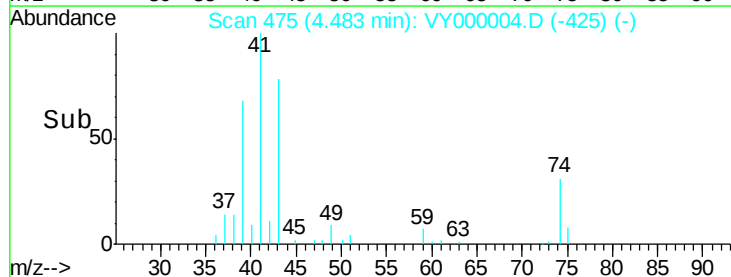
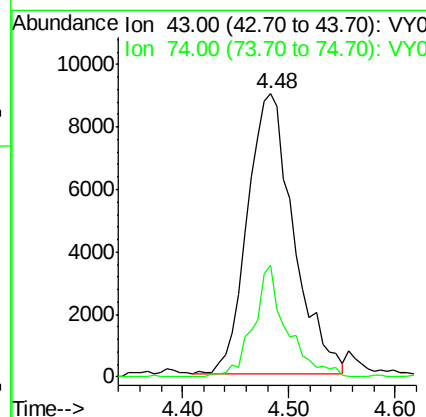
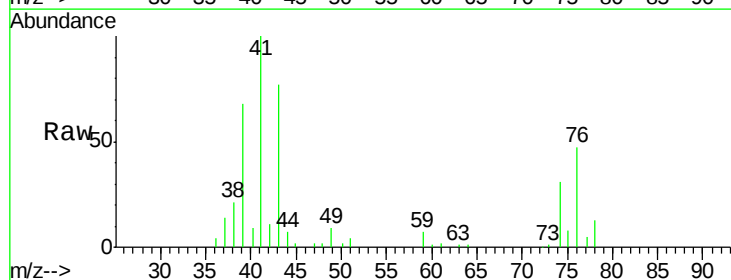
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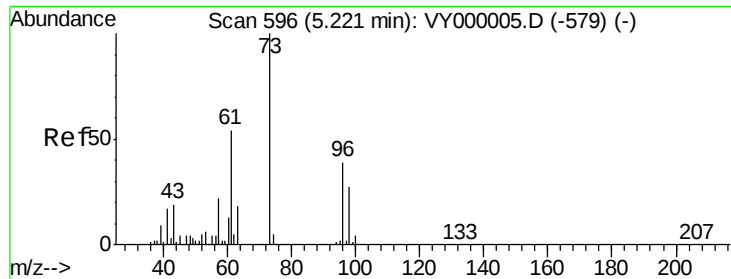
MMDadoda
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#18
Methyl Acetate
Concen: 24.306 ug/l
RT: 4.48 min Scan# 475
Delta R.T. 0.01 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion: 43 Resp: 27357
Ion Ratio Lower Upper
43 100
74 28.6 21.4 32.2





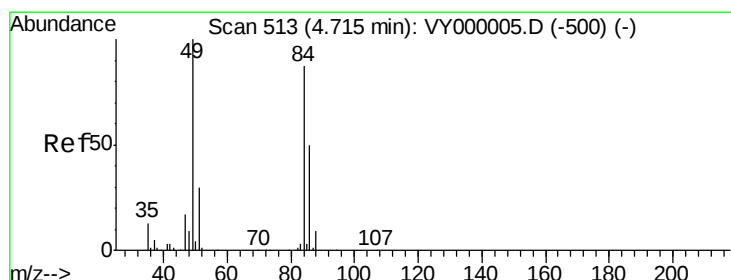
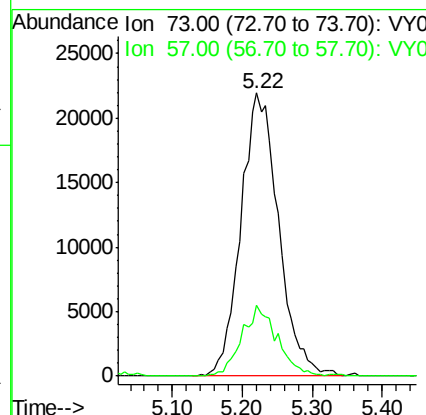
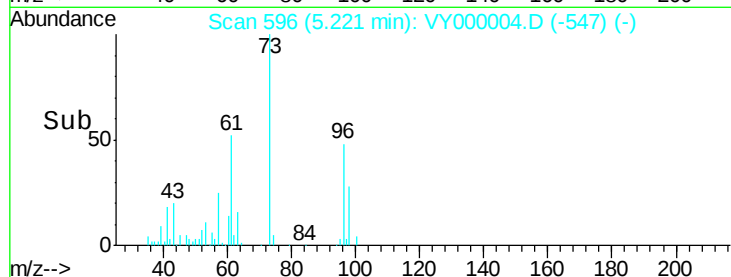
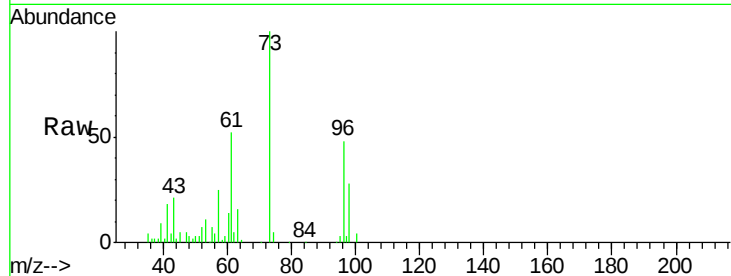
#19
Methvl tert-butvl Ether
Concen: 29.822 ug/l
RT: 5.22 min Scan# 596
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 82182
Ion Ratio Lower Upper
73 100
57 24.9 18.2 27.4

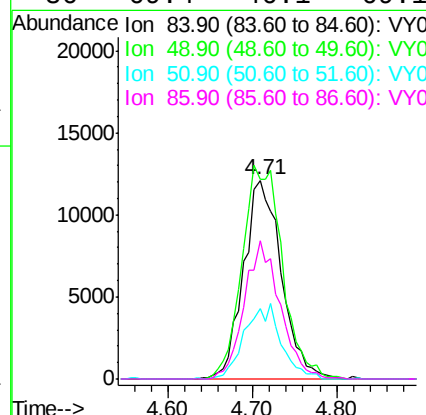
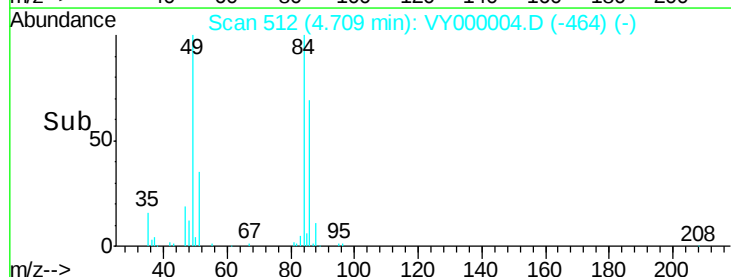
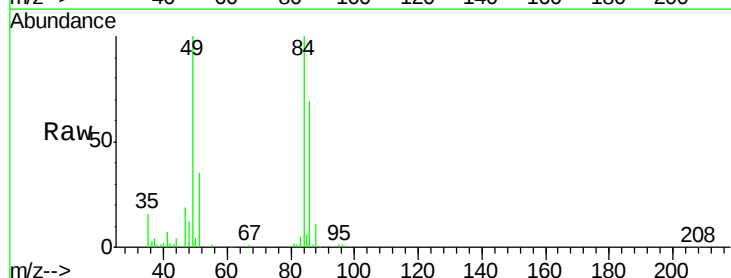
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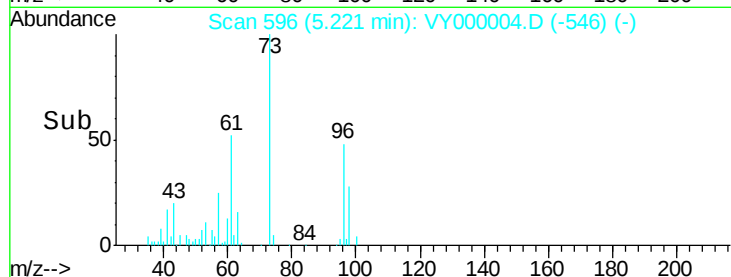
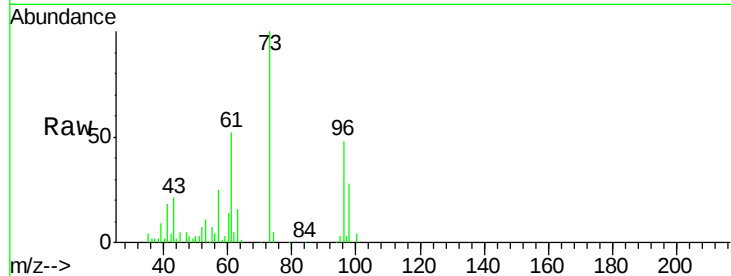
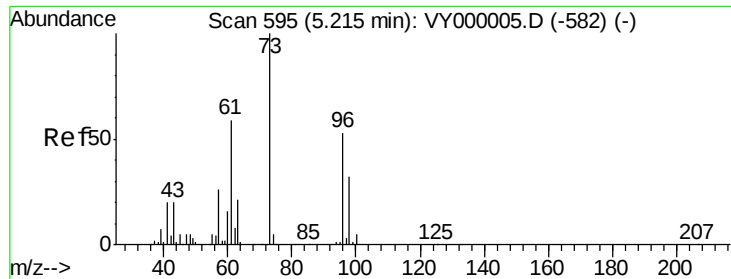
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#20
Methylene Chloride
Concen: 24.344 ug/l
RT: 4.71 min Scan# 512
Delta R.T. -0.01 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion: 84 Resp: 36785
Ion Ratio Lower Upper
84 100
49 100.4 91.7 137.5
51 35.4 28.0 42.0
86 69.4 46.1 69.1#





#21

trans-1,2-Dichloroethene

Concen: 24.500 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.01 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Tot Ion:	96	Resp:	32569
Ion	Ratio	Lower	Upper
96	100		
61	109.1	89.4	134.2
98	58.6	48.6	73.0

Instrument :

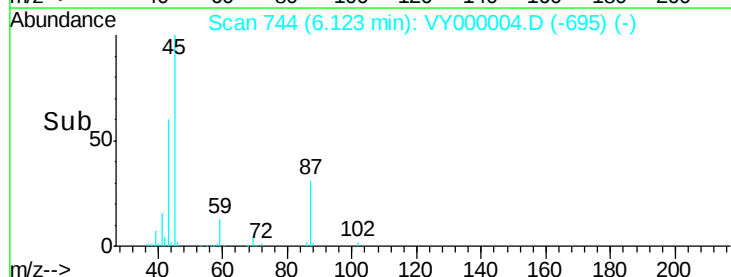
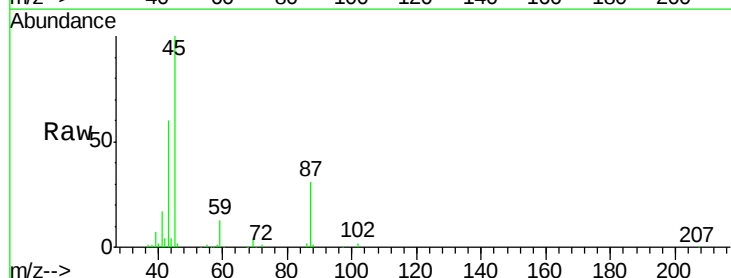
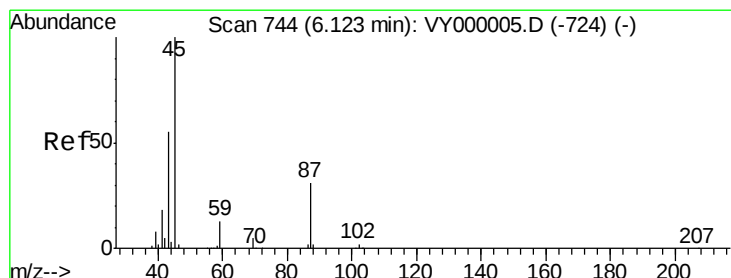
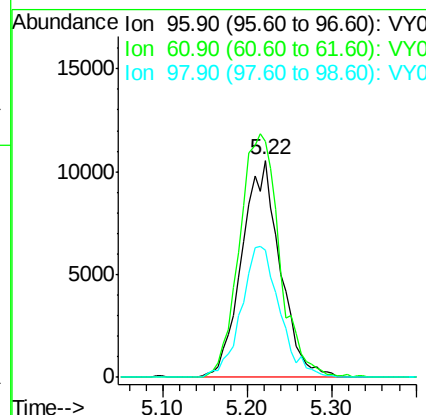
MSVOA_Y

ClientSampleId :

VSTDIC020

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#22

Diisopropyl ether

Concen: 18.917 ug/l

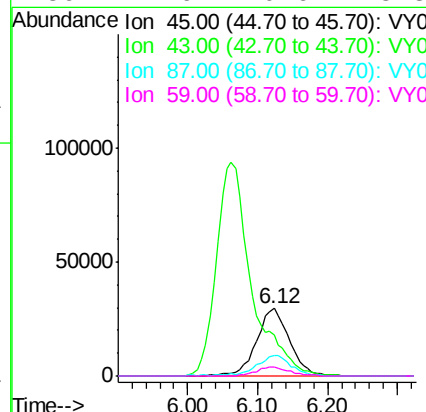
RT: 6.12 min Scan# 744

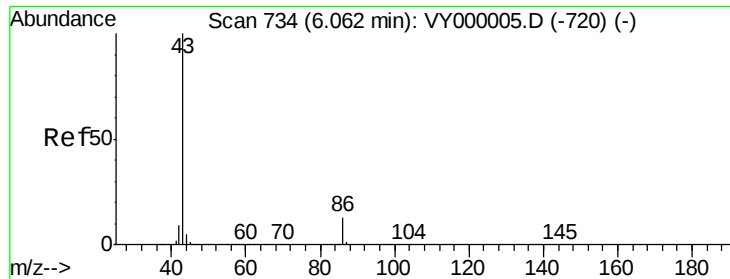
Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Tgt Ion:	45	Resp:	96485
Ion	Ratio	Lower	Upper
45	100		
43	59.7	45.2	67.8
87	31.0	25.3	37.9
59	12.6	10.6	15.8





#23

Vinyl Acetate

Concen: 100.440 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 327462

Ion Ratio Lower Upper

43 100

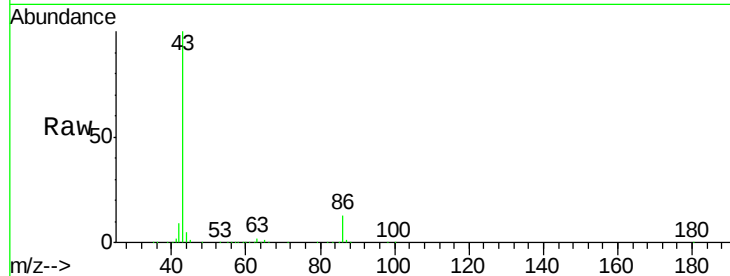
86 13.0 10.3 15.5

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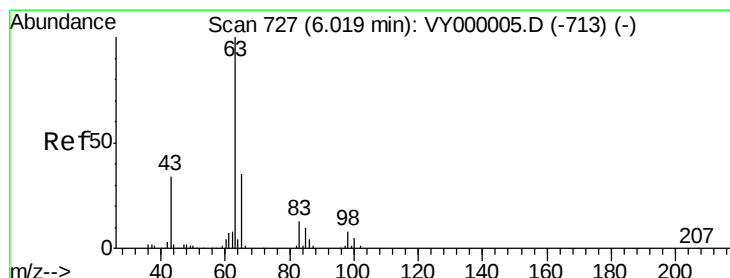
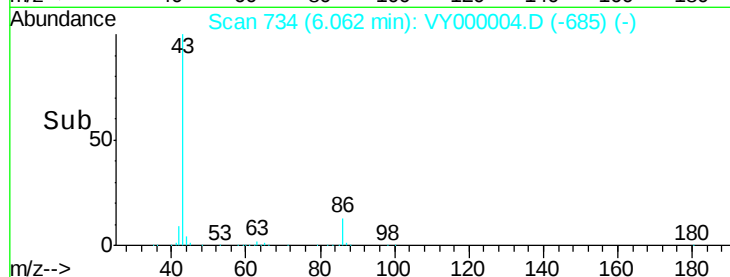
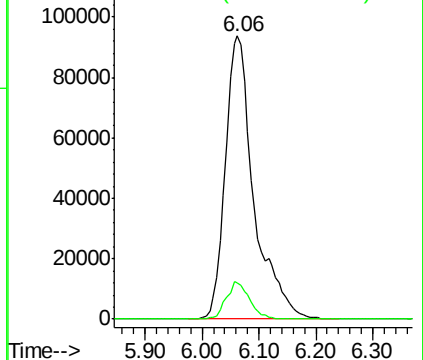
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.424 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

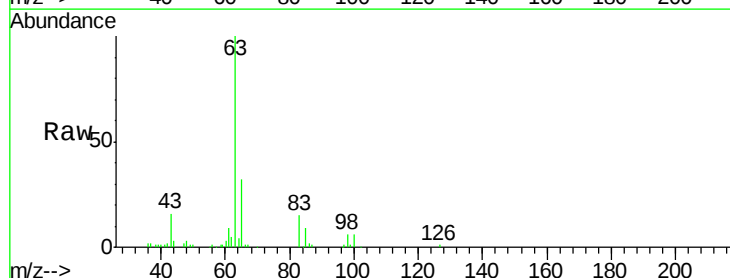
Tgt Ion: 63 Resp: 56959

Ion Ratio Lower Upper

63 100

98 6.0 4.0 12.0

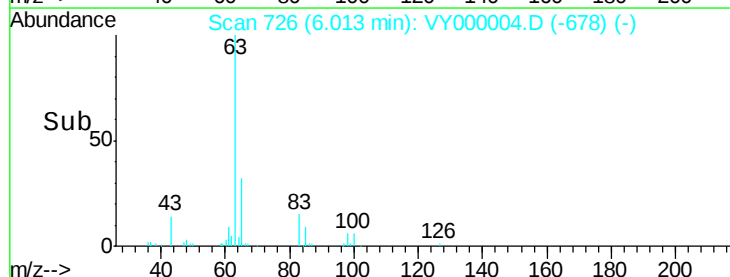
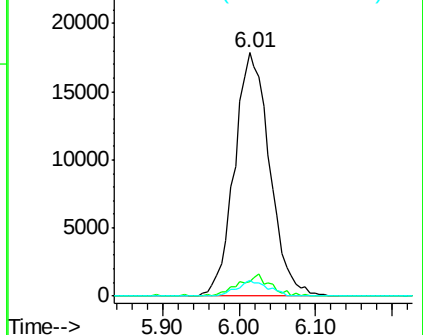
100 6.5 2.5 7.5

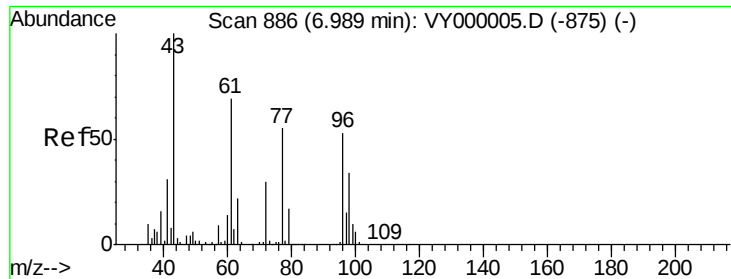


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 113.786 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 71461

Ion Ratio Lower Upper

43 100

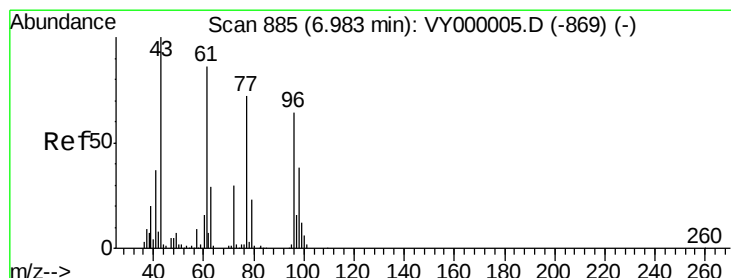
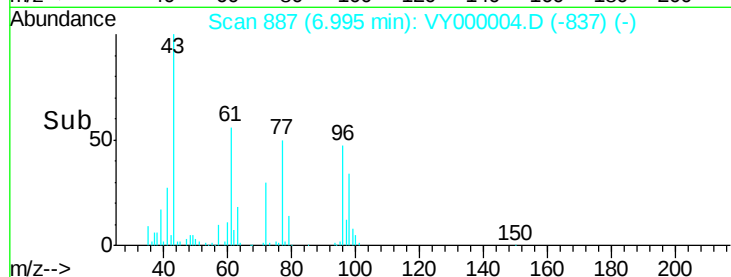
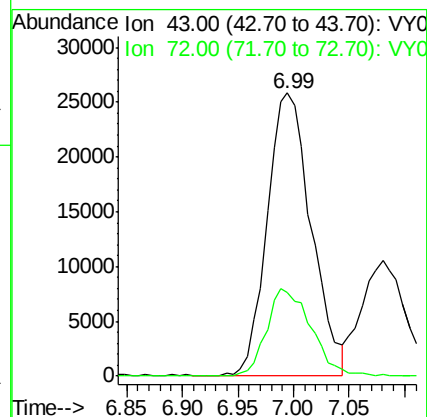
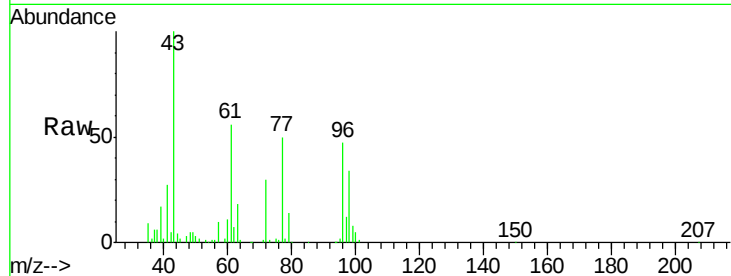
72 29.7 24.2 36.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 26.435 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000004.D

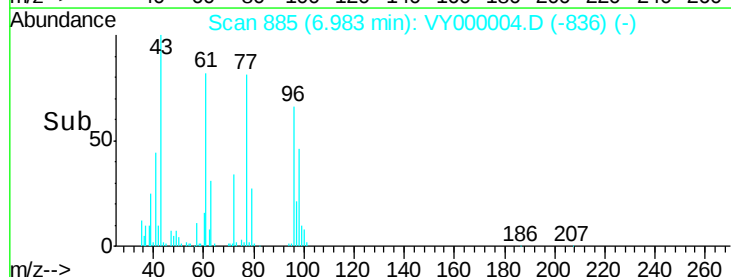
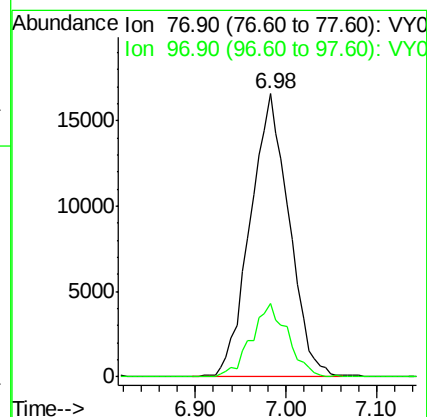
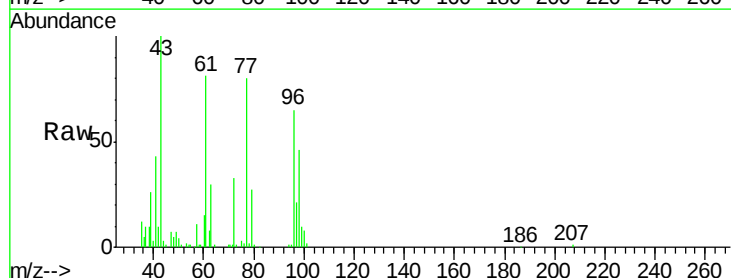
Acq: 11 Sep 2019 17:17

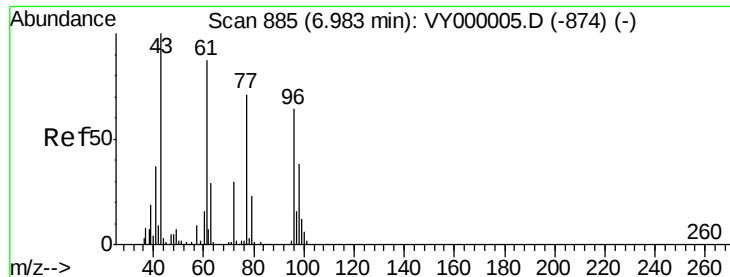
Tgt Ion: 77 Resp: 49233

Ion Ratio Lower Upper

77 100

97 24.3 12.6 37.6





#27

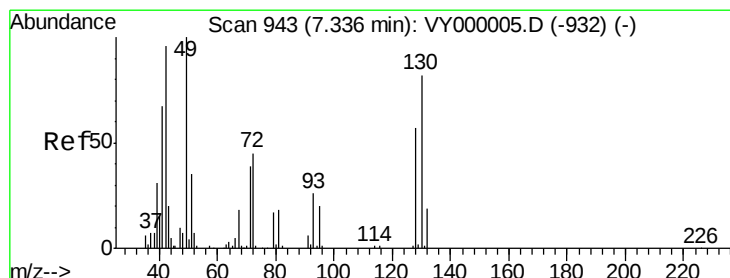
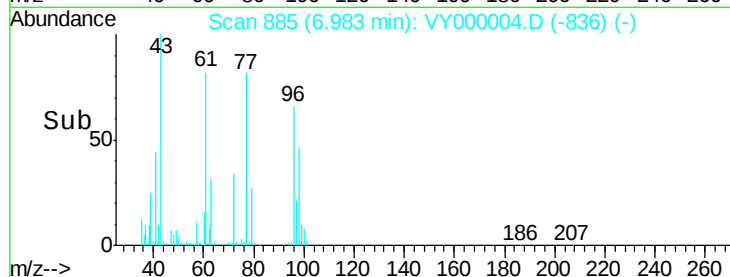
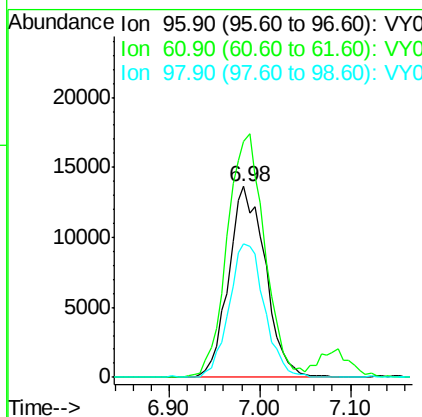
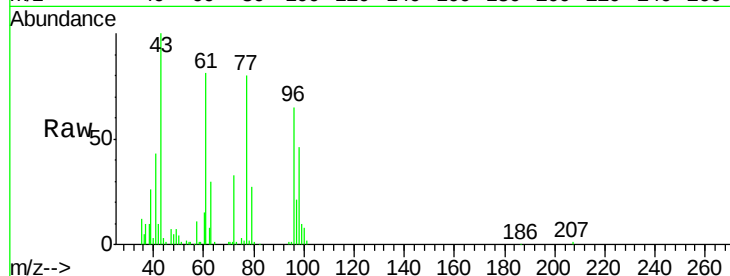
cis-1,2-Dichloroethene
 Concen: 24.425 ug/l
 RT: 6.98 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VY000004.D
 Acq: 11 Sep 2019 17:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.1	0.0	259.0
98	67.4	0.0	129.8

Manual Integrations
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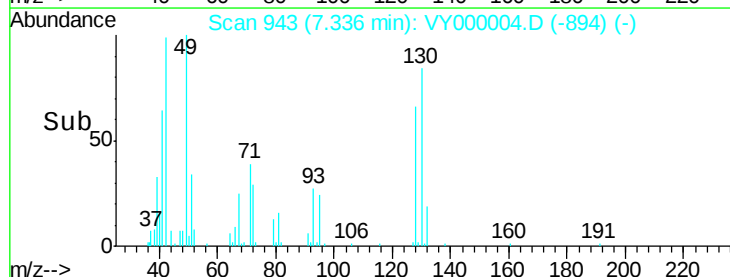
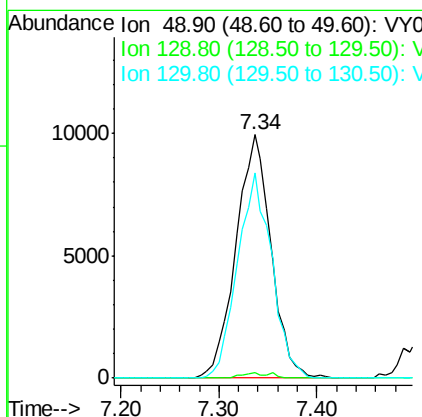
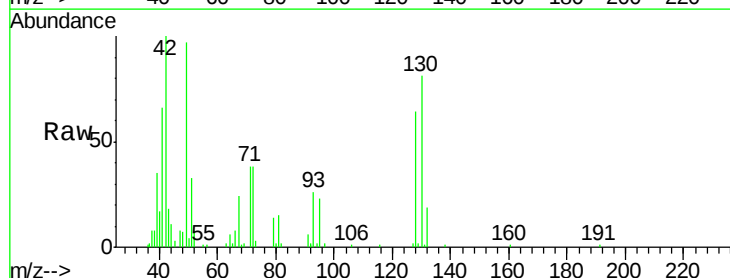
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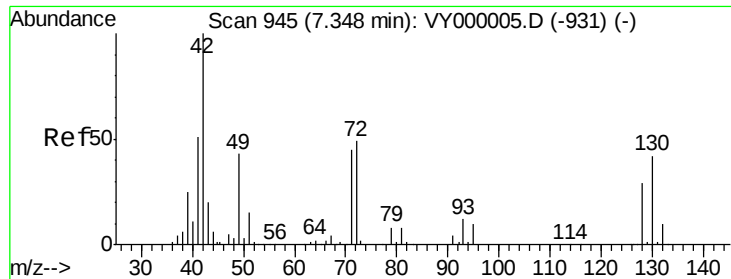


#28

Bromochloromethane
 Concen: 19.099 ug/l
 RT: 7.34 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VY000004.D
 Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	82.2	65.3	97.9





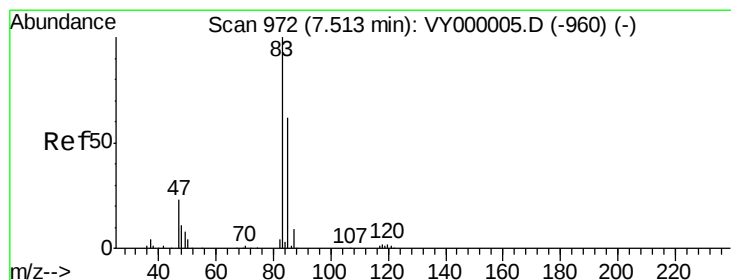
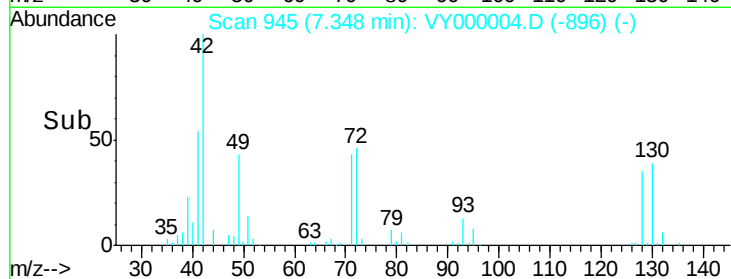
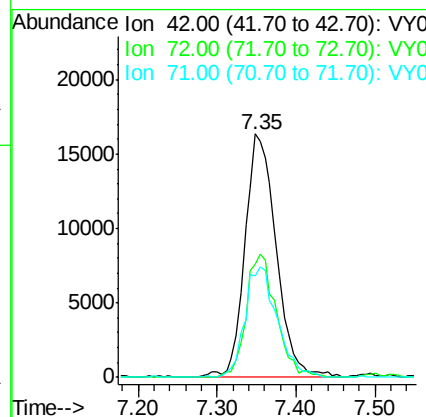
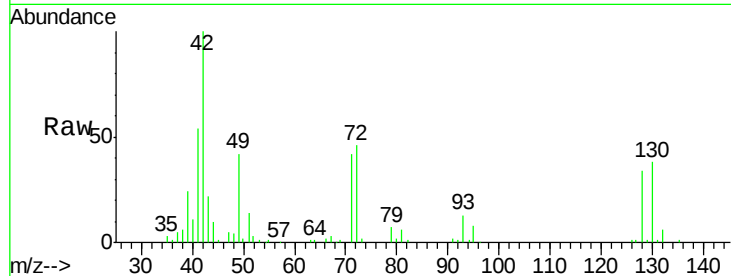
#29
Tetrahydrofuran
Concen: 116.943 ug/l
RT: 7.35 min Scan# 945
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	39.2	58.8
71	46.9	36.4	54.6

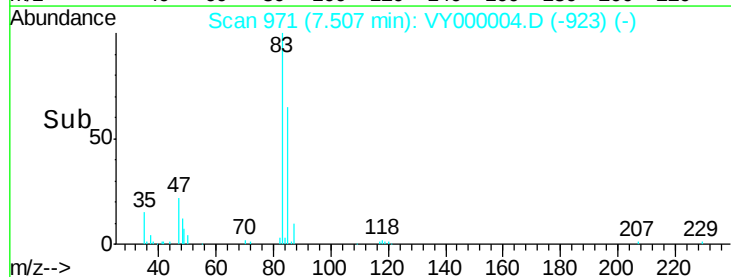
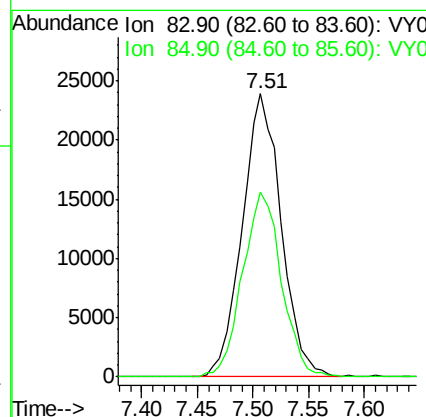
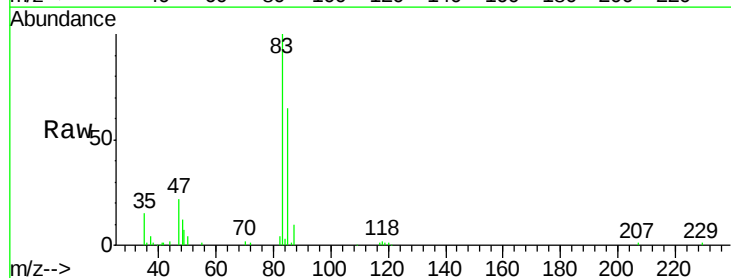
Manual Integrations
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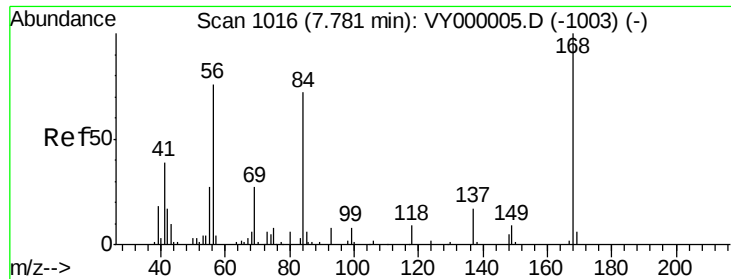
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#30
Chloroform
Concen: 20.763 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.4	74.0





#31

Cyclohexane

Concen: 19.218 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

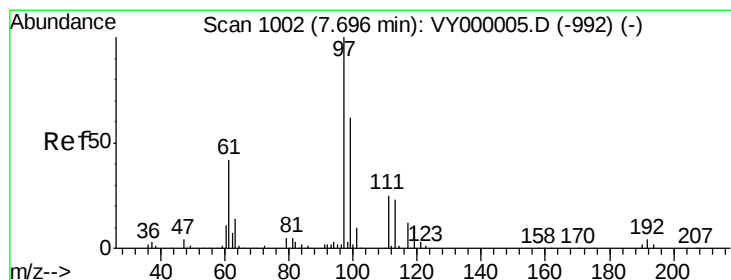
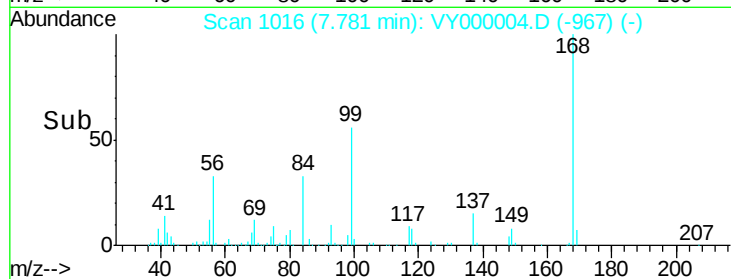
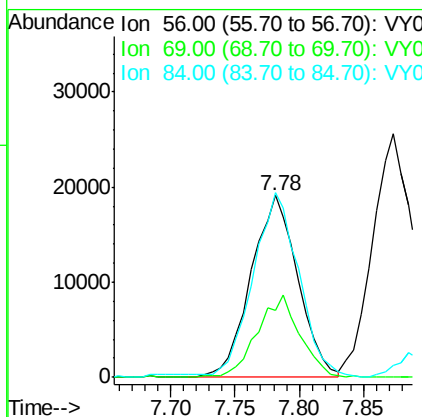
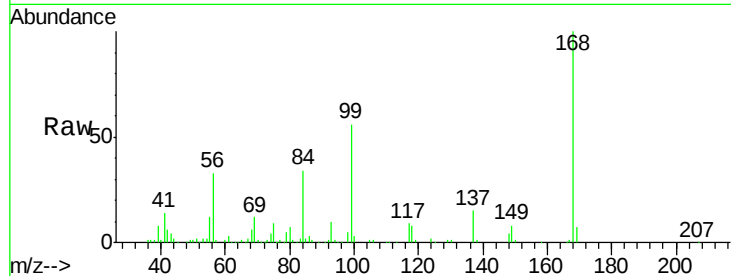
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	48155
Ion	Ratio	Lower	Upper
56	100		
69	36.7	28.5	42.7
84	99.7	76.4	114.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.671 ug/l

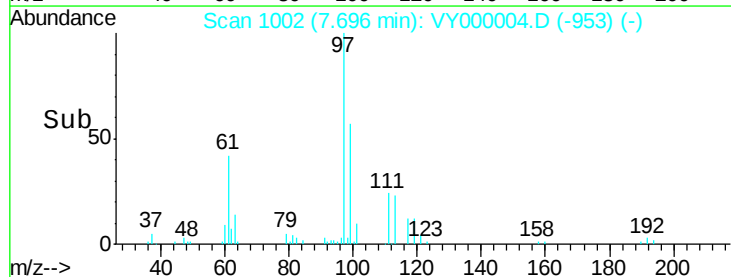
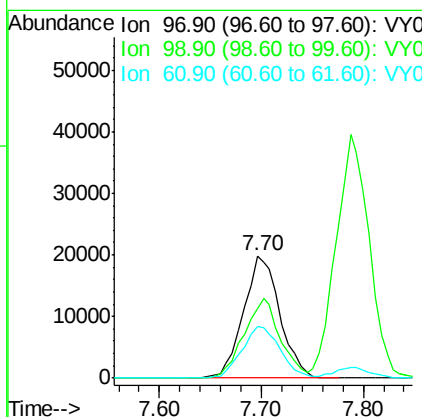
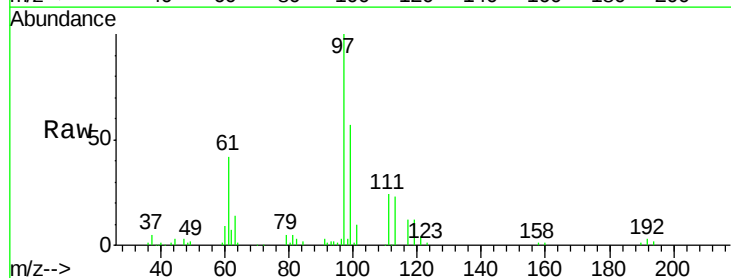
RT: 7.70 min Scan# 1002

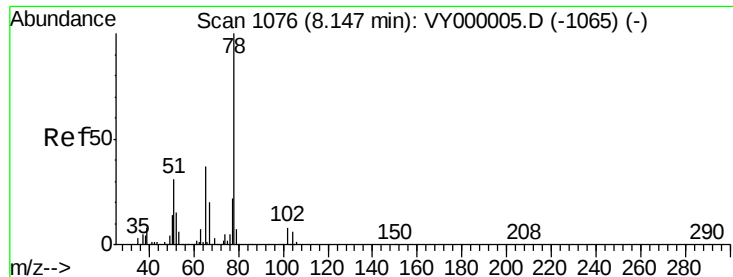
Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Tgt Ion:	97	Resp:	49132
Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.3	75.5
61	44.7	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 18.160 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 31275

Ion Ratio Lower Upper

65 100

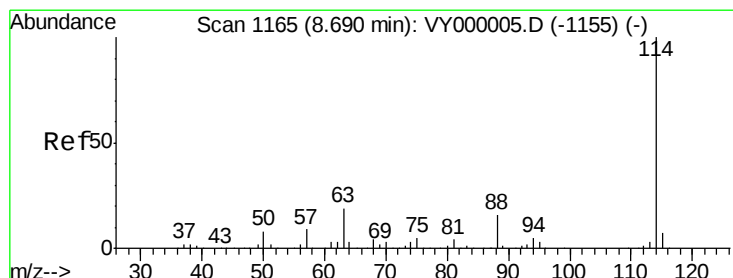
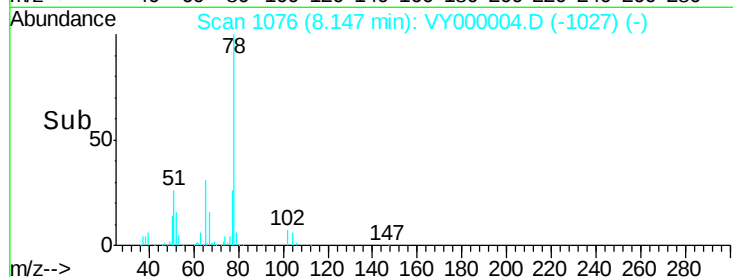
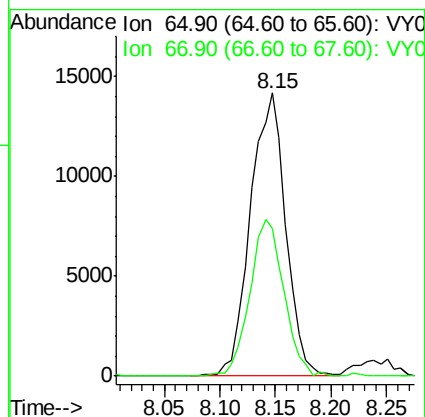
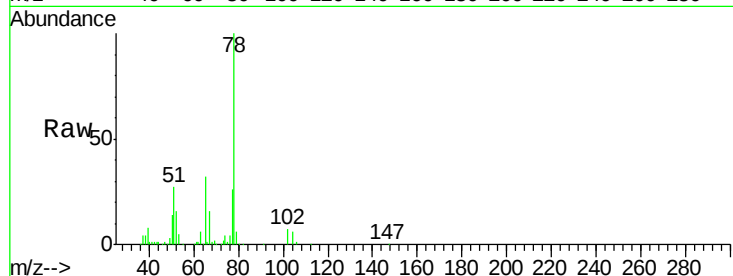
67 53.5 0.0 111.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

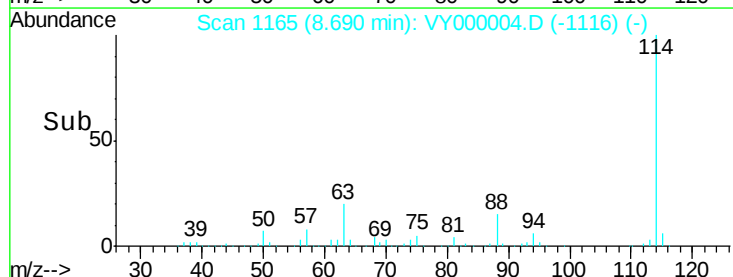
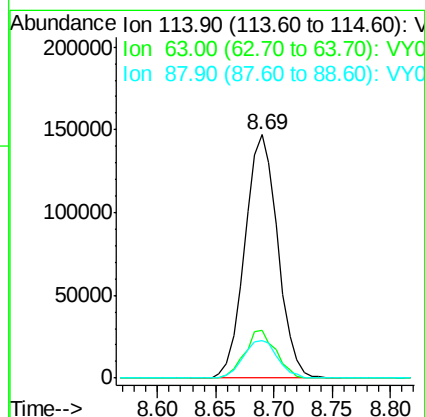
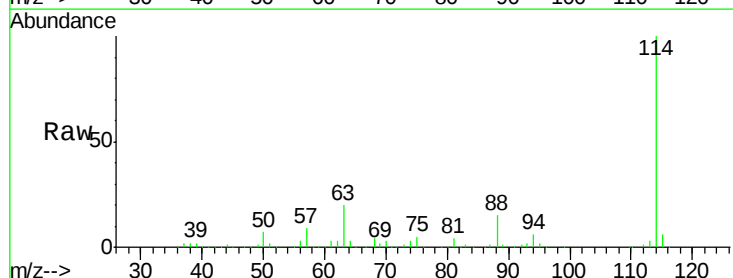
Tgt Ion: 114 Resp: 288782

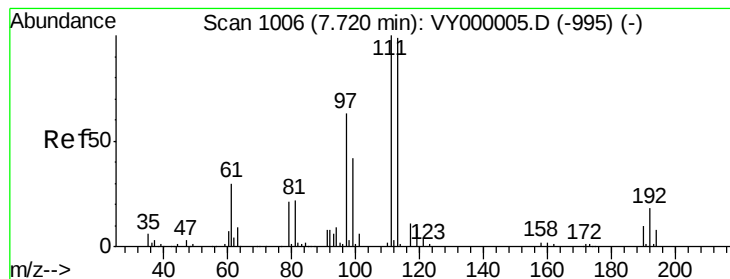
Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 19.218 ug/l

RT: 7.71 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:113 Resp: 32726

Ion Ratio Lower Upper

113 100

111 104.8 81.6 122.4

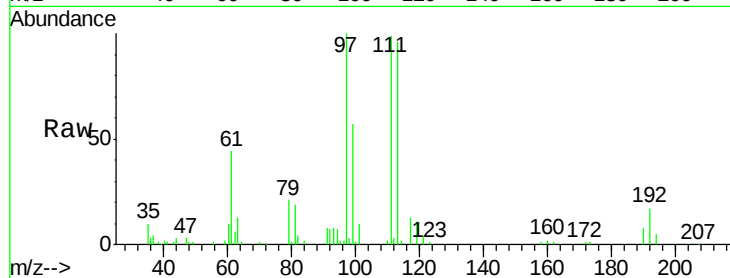
192 16.9 15.2 22.8

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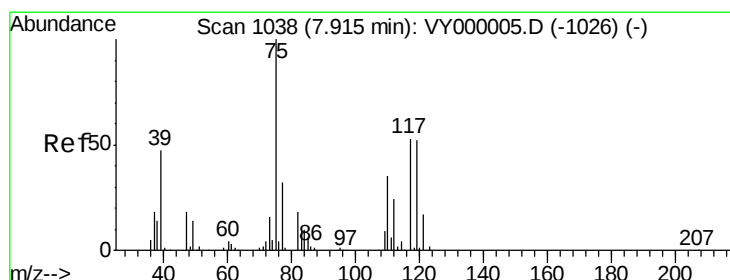
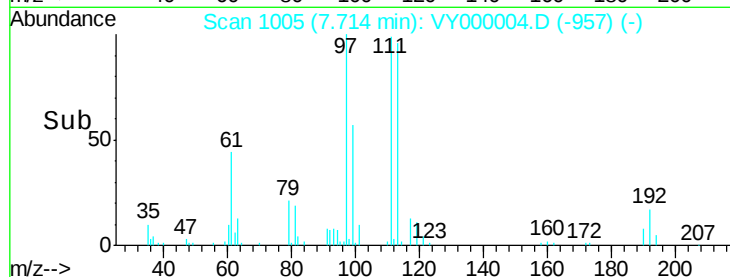
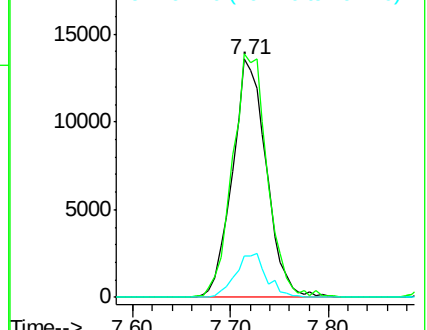
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.274 ug/l

RT: 7.91 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

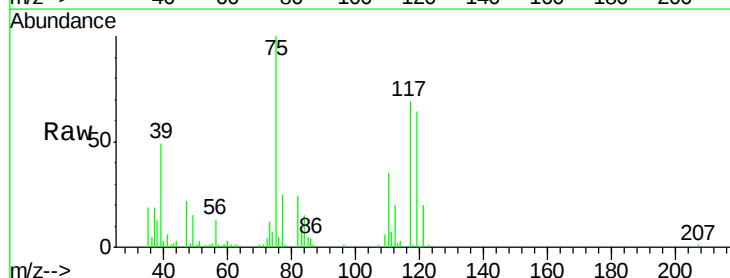
Tgt Ion: 75 Resp: 42244

Ion Ratio Lower Upper

75 100

110 37.7 18.7 56.1

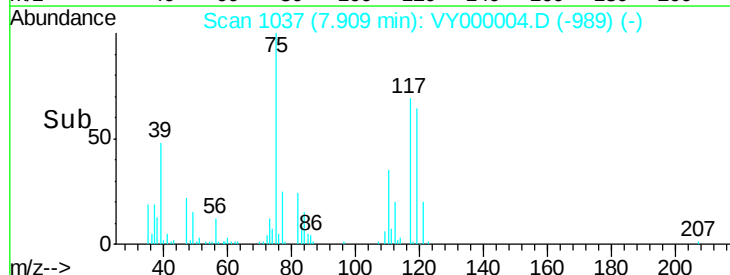
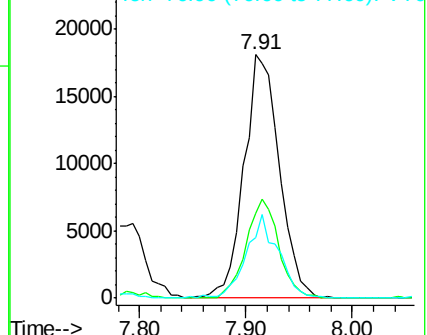
77 31.4 25.6 38.4

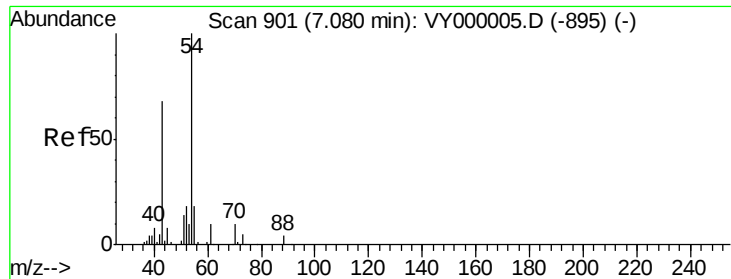


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





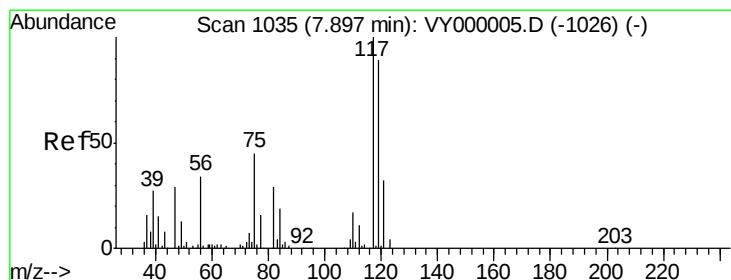
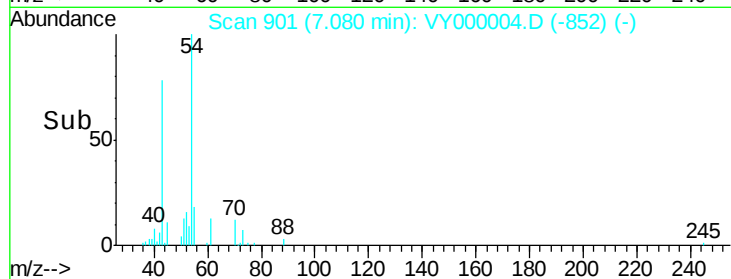
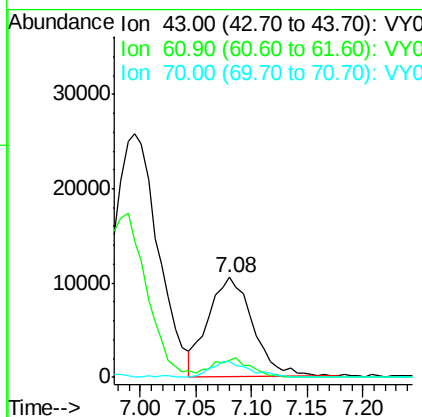
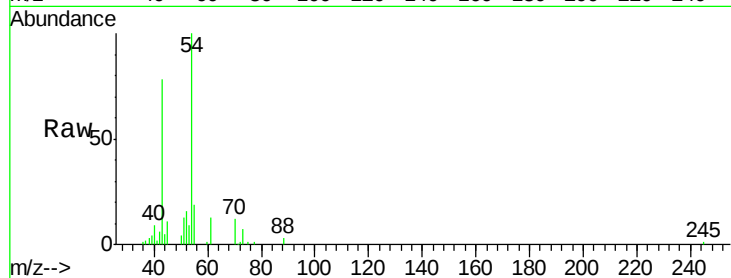
#37
Ethyl Acetate
Concen: 18.697 ug/l
RT: 7.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	13.0	19.4
70	14.0	11.0	16.4

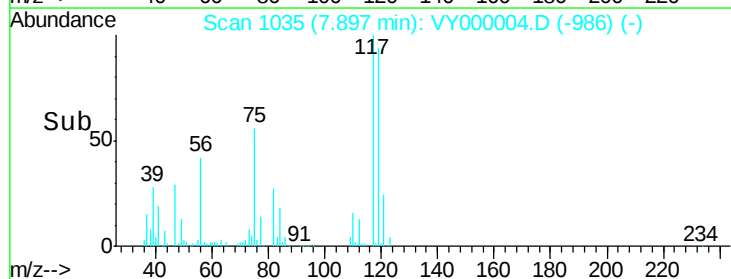
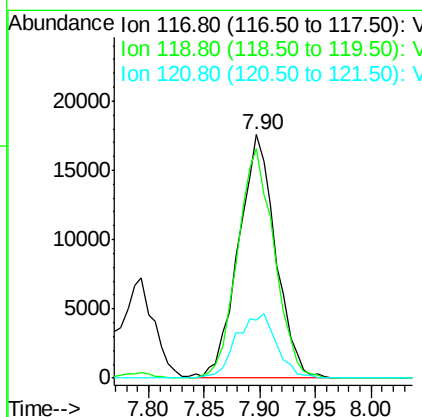
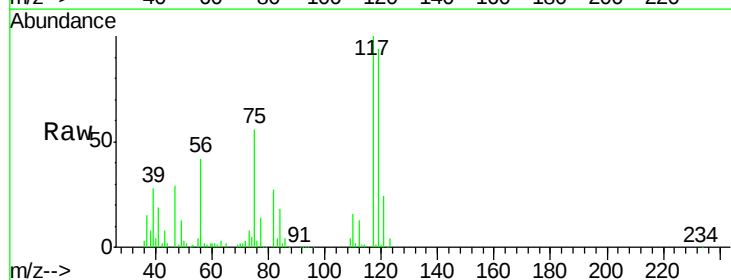
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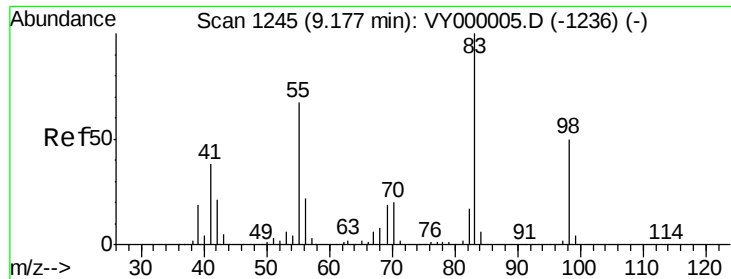
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#38
Carbon Tetrachloride
Concen: 16.926 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	71.5	107.3
121	23.6	25.3	37.9#





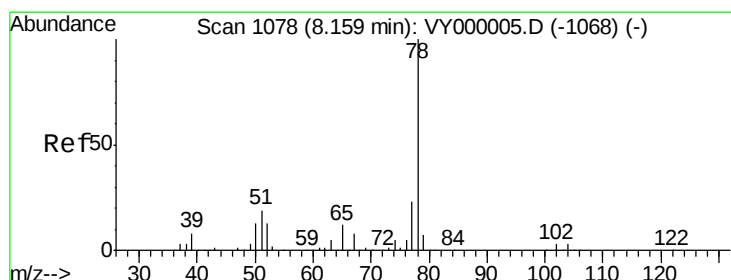
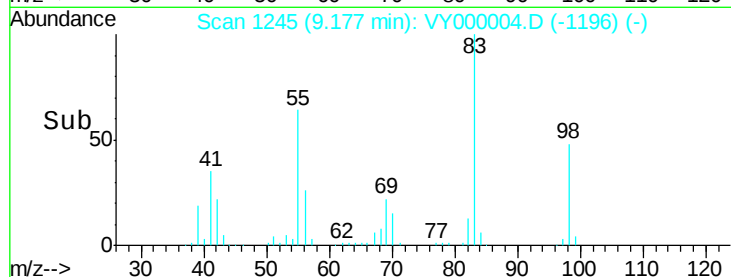
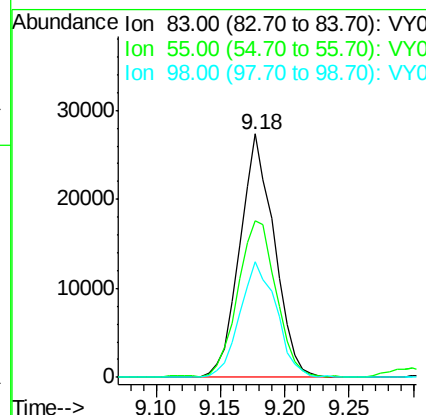
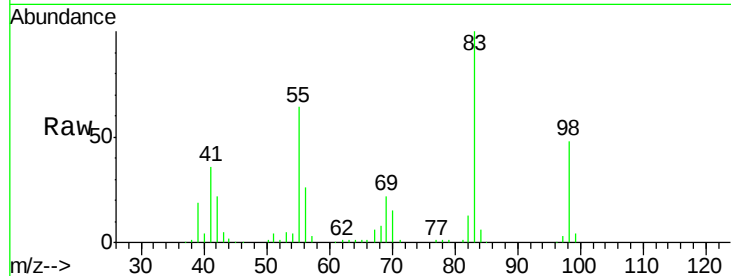
#39
Methvlcvclohexane
Concen: 18.128 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	50705		
55	63.9		53.8	80.6
98	47.7		40.0	60.0

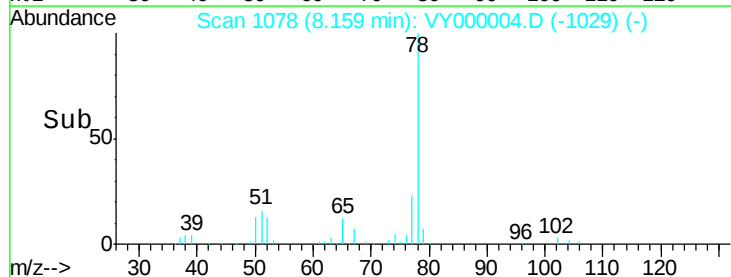
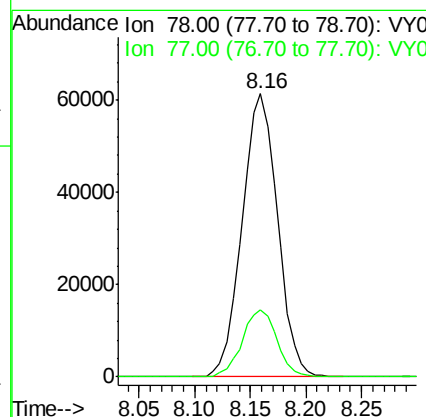
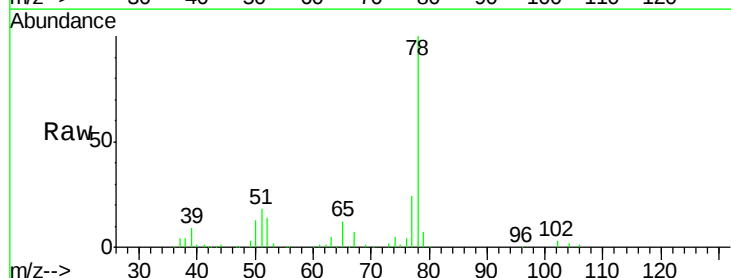
Manual Integrations
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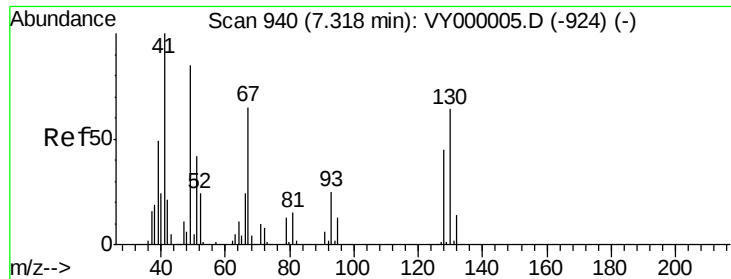
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#40
Benzene
Concen: 19.498 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	135726		
77	23.6		18.0	27.0





#41

Methacrylonitrile

Concen: 20.869 ug/l m

RT: 7.31 min Scan# 939

Delta R.T. -0.01 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 19252

Ion Ratio Lower Upper

41 100

39 48.3 48.4 72.6#

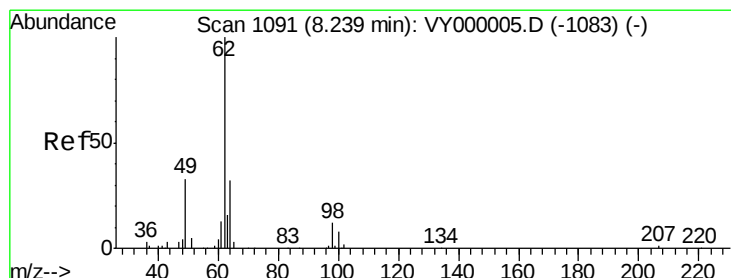
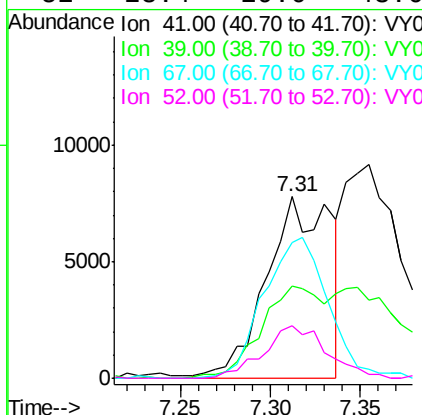
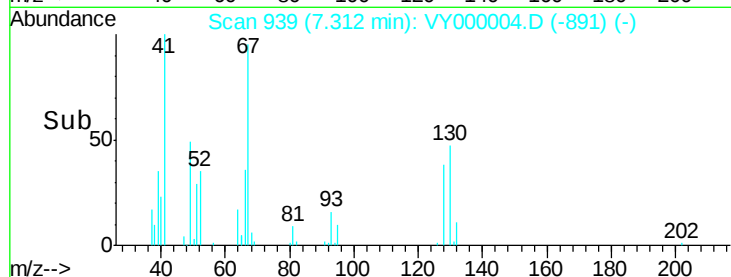
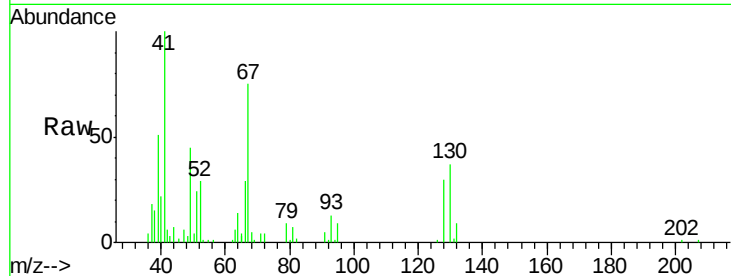
67 78.2 76.3 114.5

52 28.4 29.0 43.6#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 15.335 ug/l

RT: 8.24 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VY000004.D

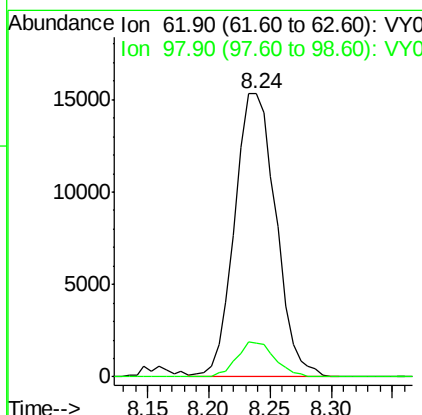
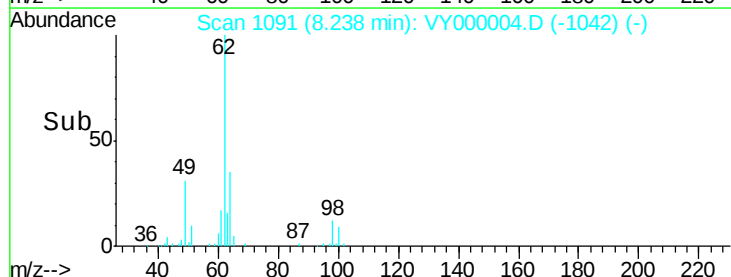
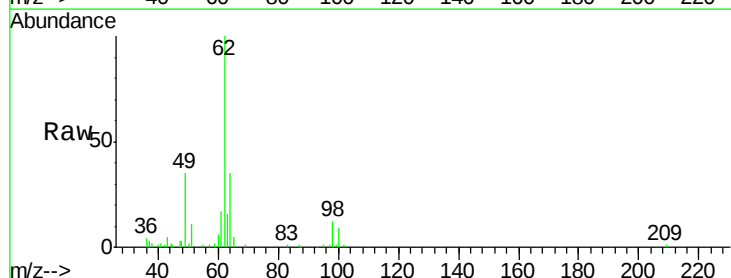
Acq: 11 Sep 2019 17:17

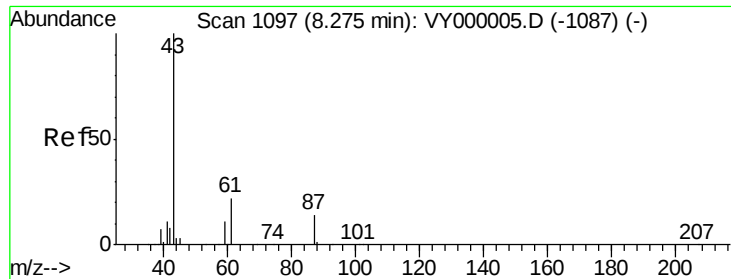
Tgt Ion: 62 Resp: 35953

Ion Ratio Lower Upper

62 100

98 11.3 0.0 24.2





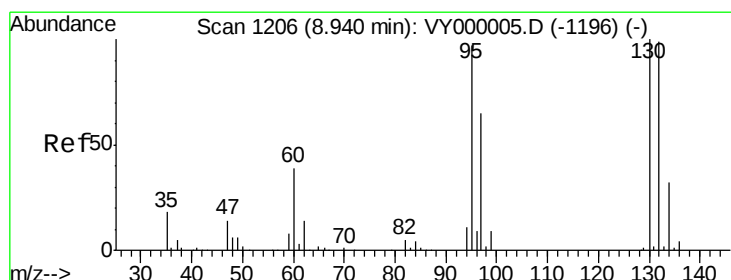
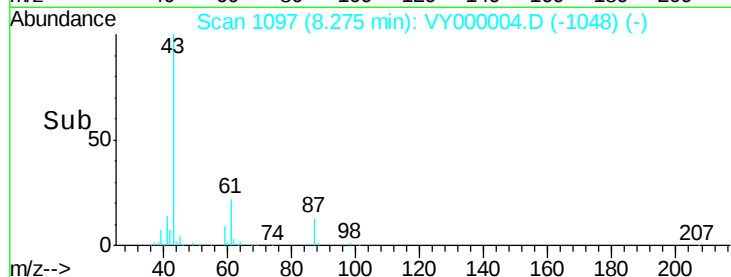
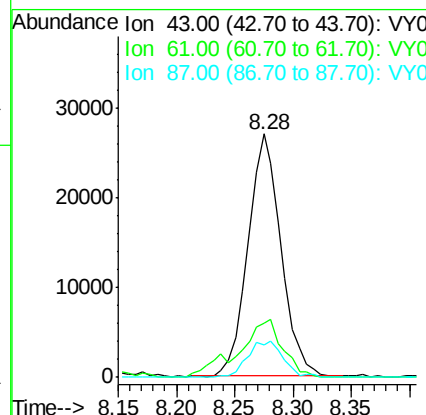
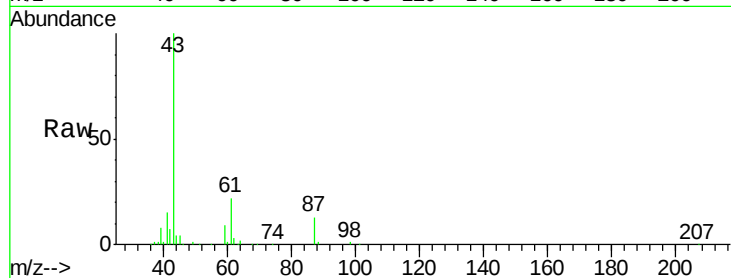
#43
Isopropyl Acetate
Concen: 17.881 ug/l
RT: 8.28 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	25.2	37.8
87	16.4	12.6	18.8

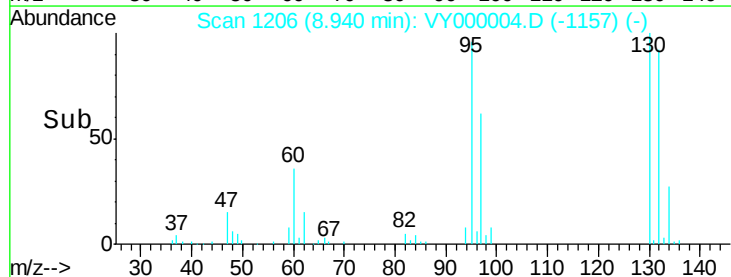
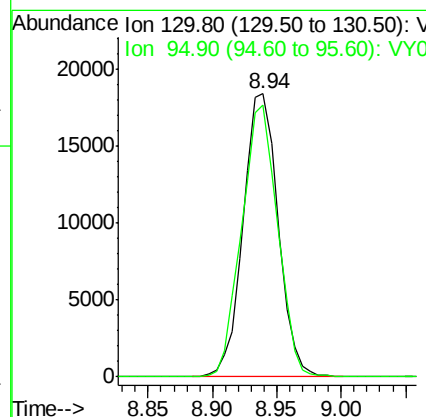
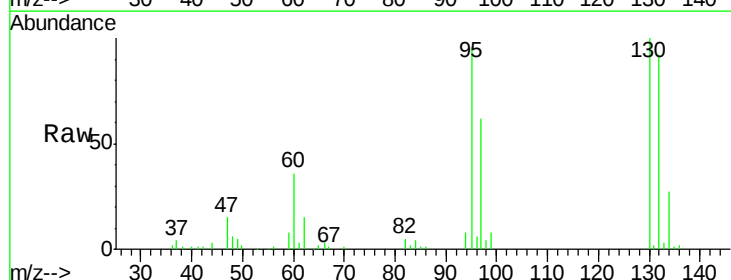
Manual Integrations
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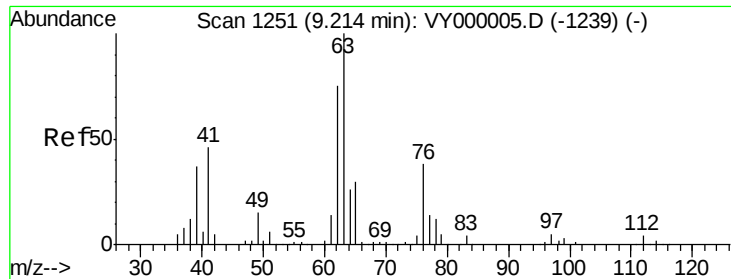
MMDadoda
9/13/2019 11:51:29 PM



#44
Trichloroethene
Concen: 19.238 ug/l
RT: 8.94 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	194.2





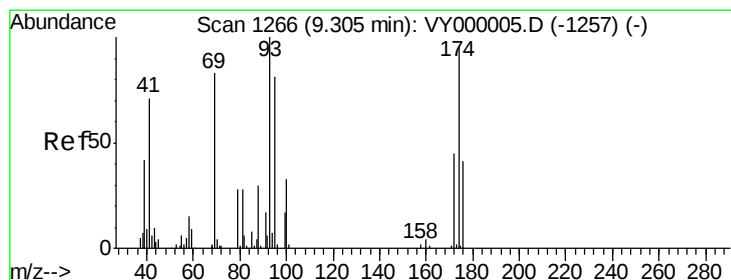
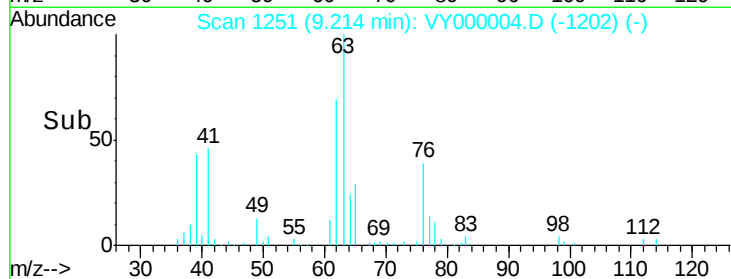
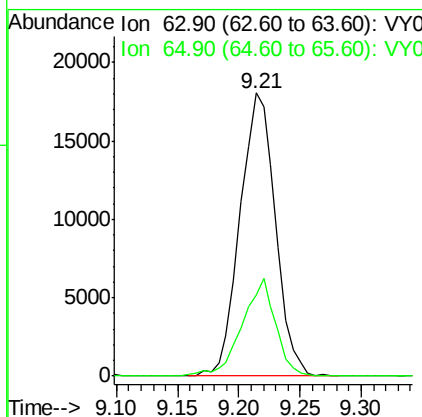
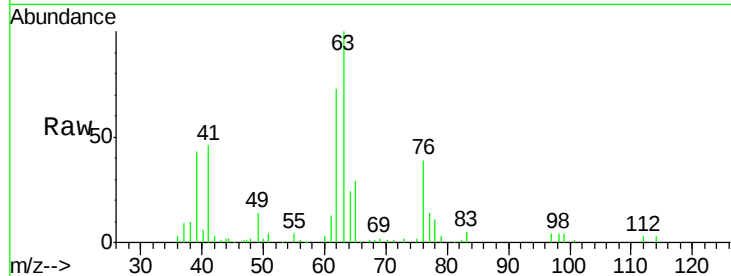
#45
 1,2-Dichloropropane
 Concen: 18.925 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VY000004.D
 Acq: 11 Sep 2019 17:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.3	36.5

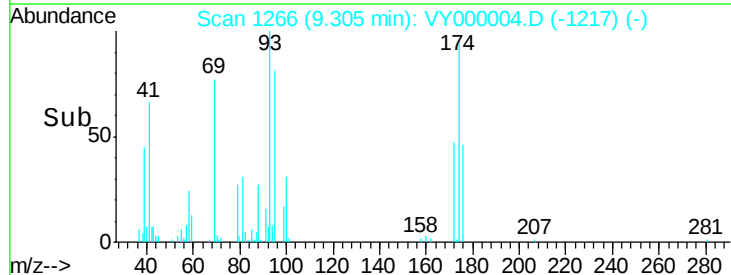
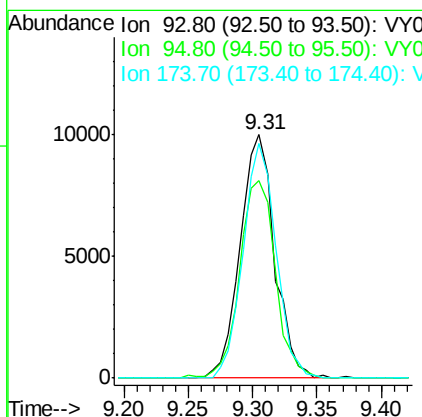
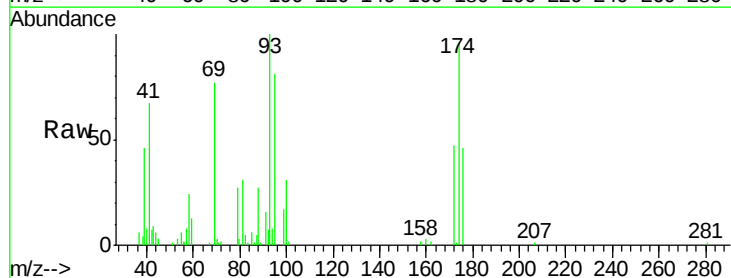
Manual Integrations
 APPROVED

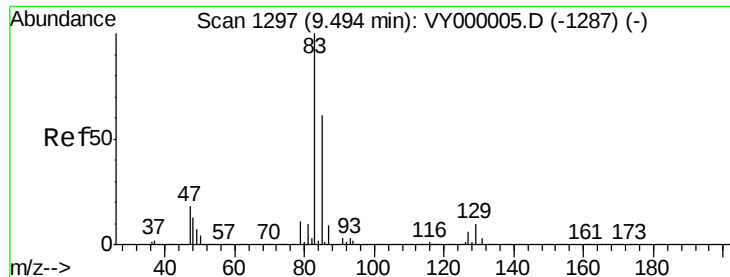
MMDadoda
 9/13/2019 11:51:29 PM



#46
 Dibromomethane
 Concen: 19.970 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000004.D
 Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	68.1	102.1
174	92.3	72.8	109.2





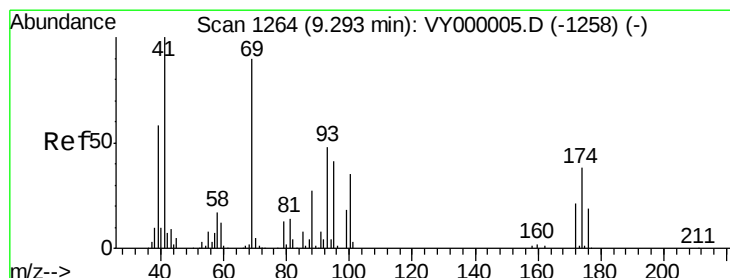
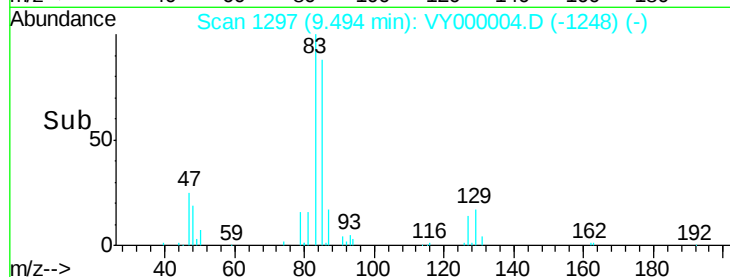
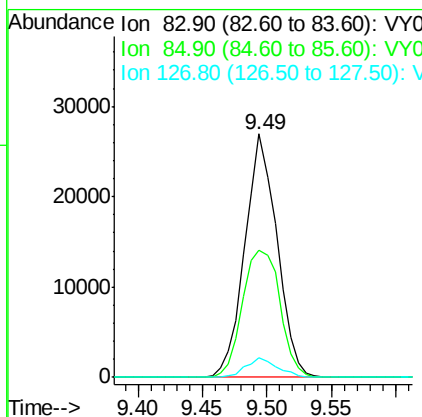
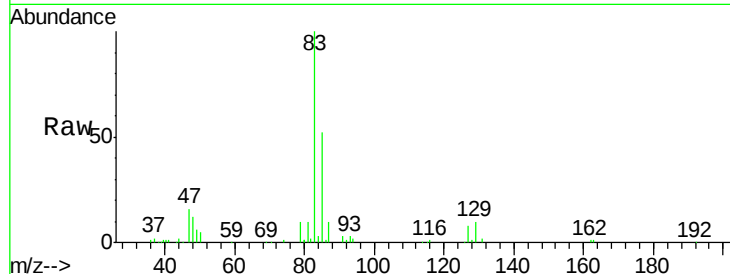
#47
Bromodichloromethane
Concen: 18.696 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	46489
Ion Ratio	100	Lower	Upper
83	100		
85	52.2	49.2	73.8
127	8.1	5.0	7.6

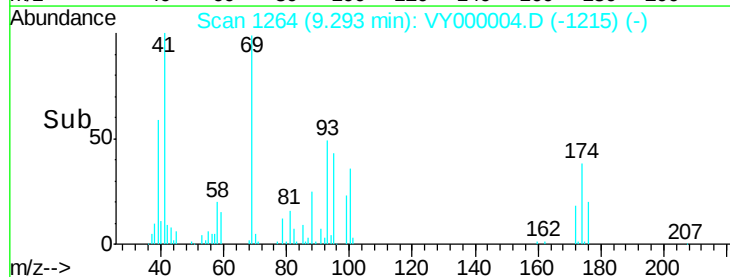
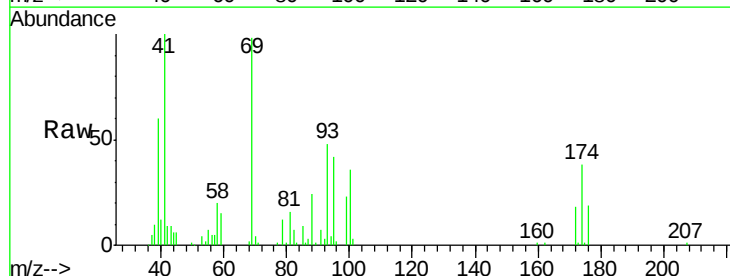
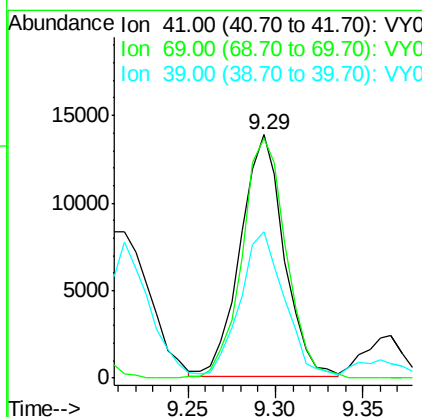
Manual Integrations
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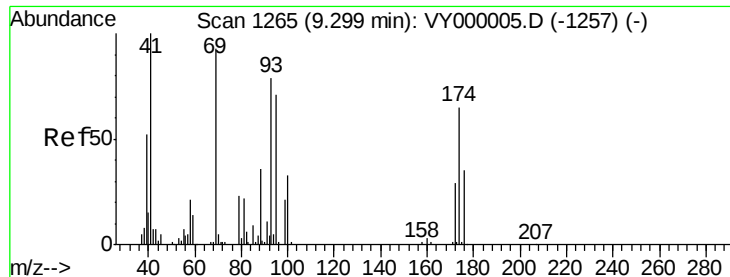
MMDadoda
9/13/2019 11:51:29 PM



#48
Methyl methacrylate
Concen: 16.878 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	41	Resp	23966
Ion Ratio	100	Lower	Upper
41	100		
69	100.0	77.4	116.2
39	62.2	47.4	71.2





#49

1,4-Dioxane

Concen: 407.465 ug/l

RT: 9.30 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

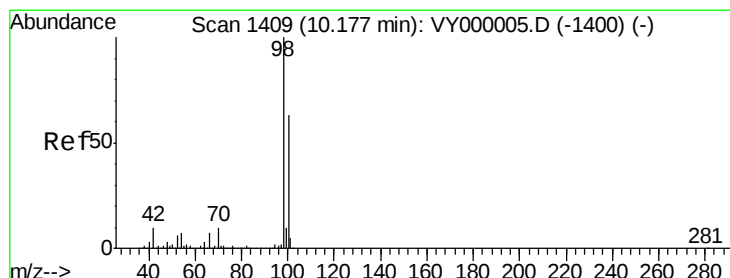
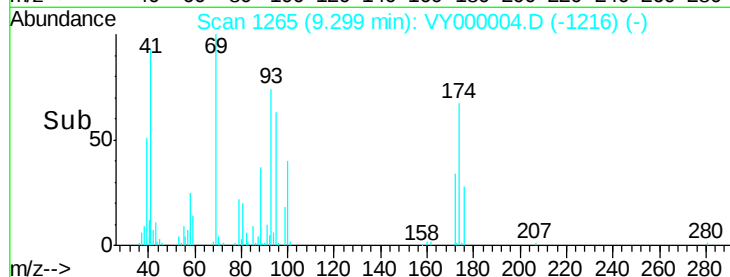
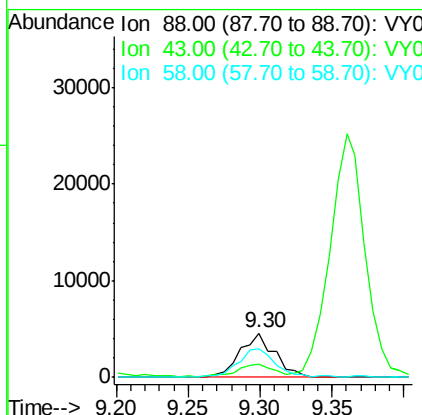
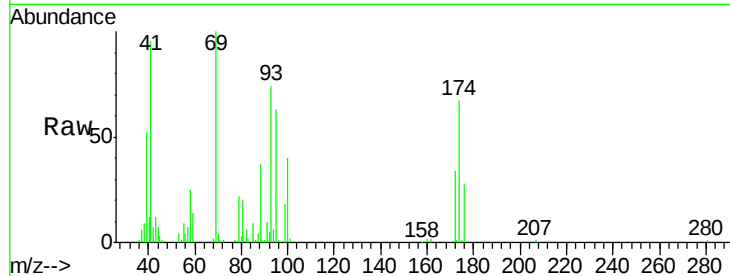
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	7615
Ion	Ratio	Lower	Upper
88	100		
43	34.3	23.4	35.2
58	71.8	46.1	69.1#

Manual Integrations
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#50

Toluene-d8

Concen: 18.039 ug/l

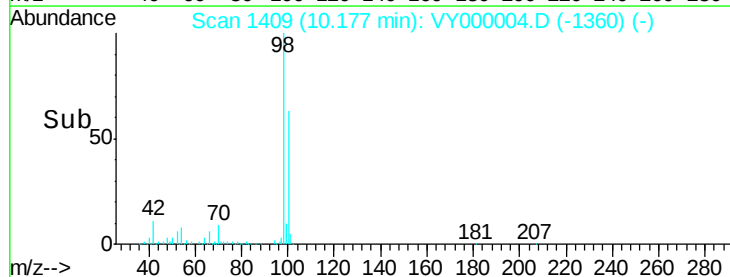
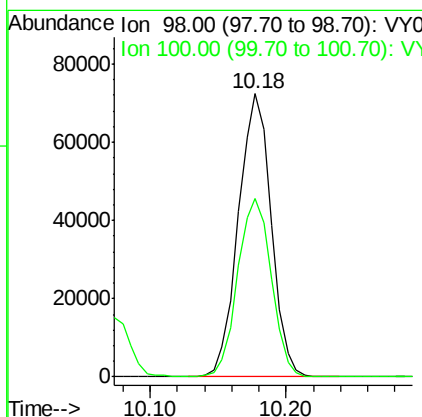
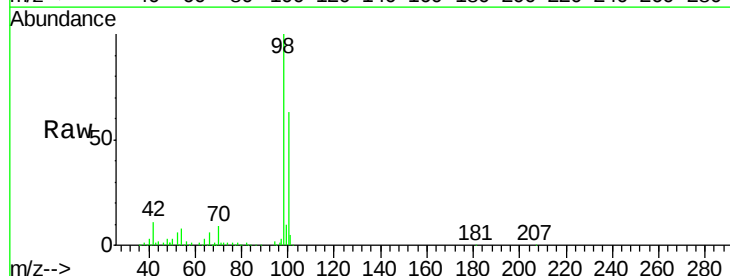
RT: 10.18 min Scan# 1409

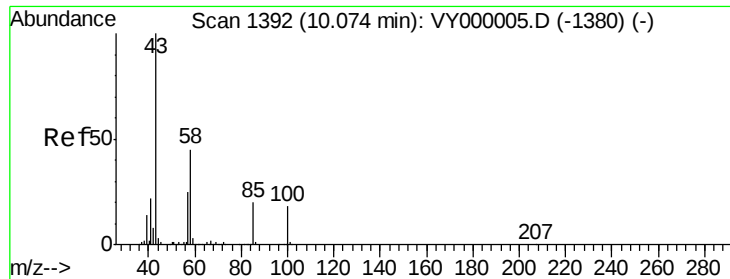
Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Tgt Ion:	98	Resp:	121922
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 95.378 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 150421

Ion Ratio Lower Upper

43 100

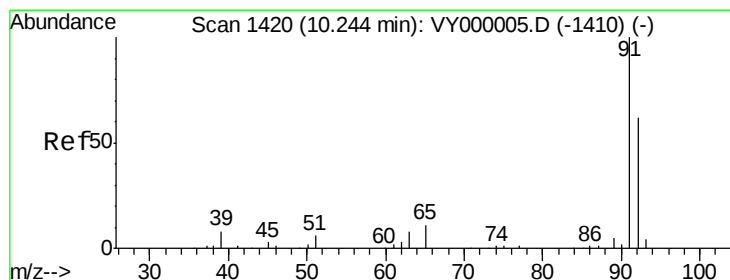
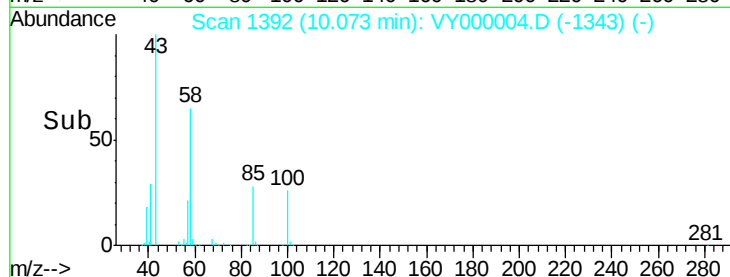
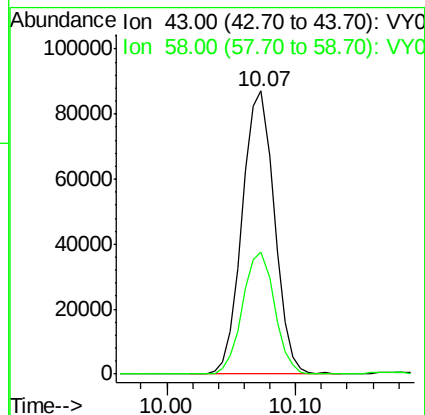
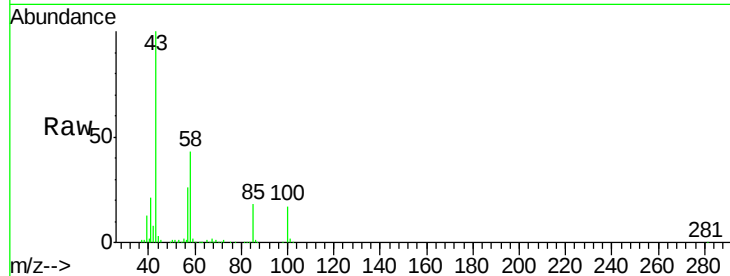
58 42.7 34.1 51.1

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#52

Toluene

Concen: 19.196 ug/l

RT: 10.24 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VY000004.D

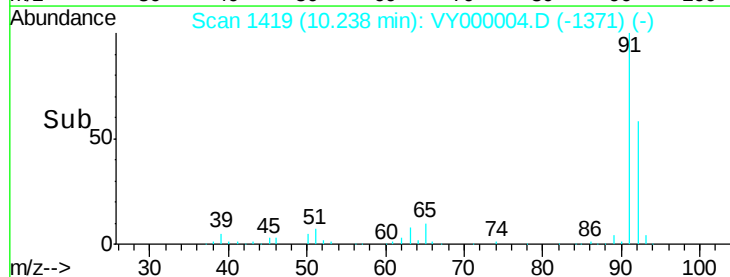
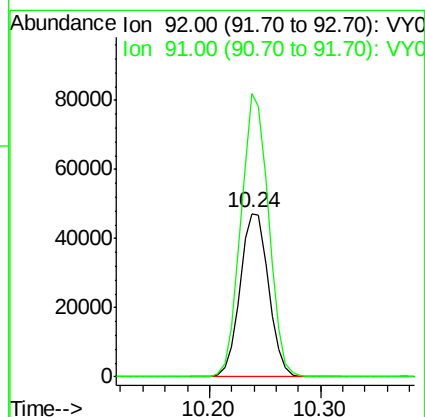
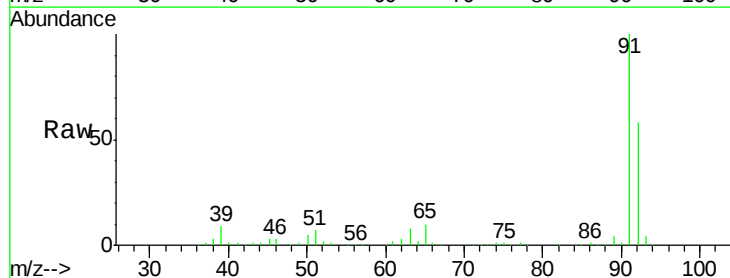
Acq: 11 Sep 2019 17:17

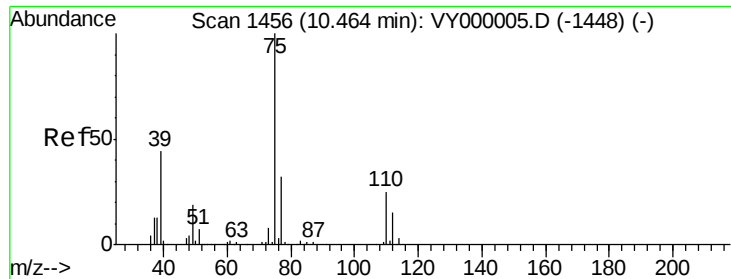
Tgt Ion: 92 Resp: 83561

Ion Ratio Lower Upper

92 100

91 169.0 136.5 204.7





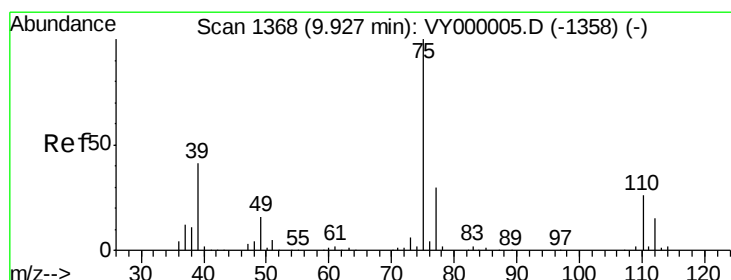
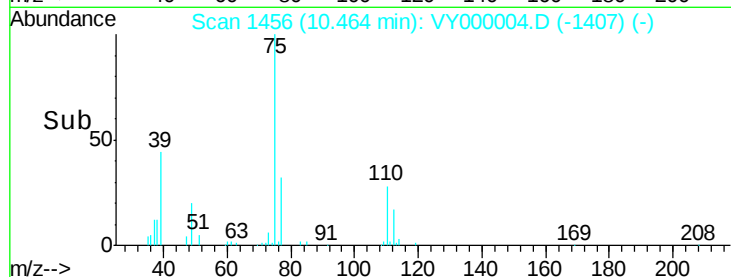
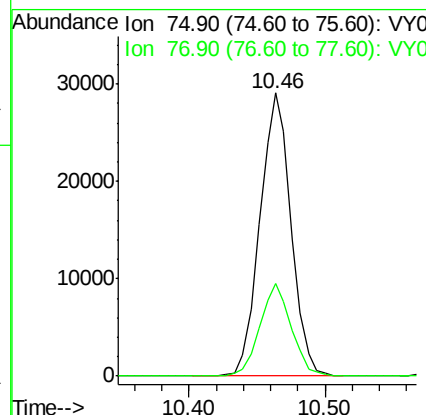
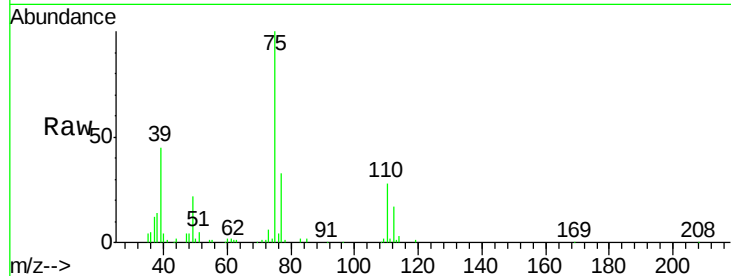
#53
t-1,3-Dichloropropene
Concen: 18.071 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 46473
Ion Ratio Lower Upper
75 100
77 32.6 25.8 38.8

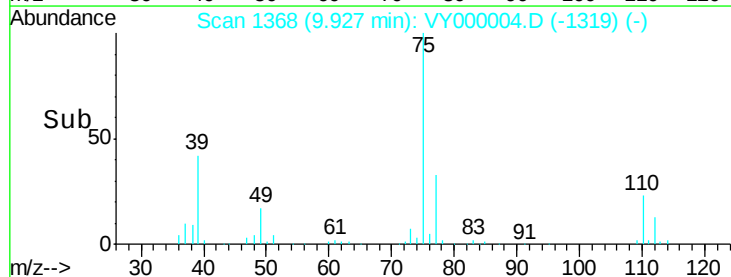
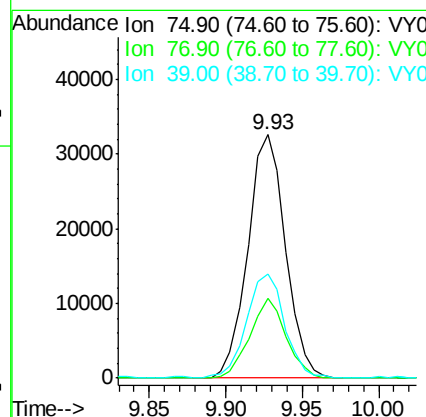
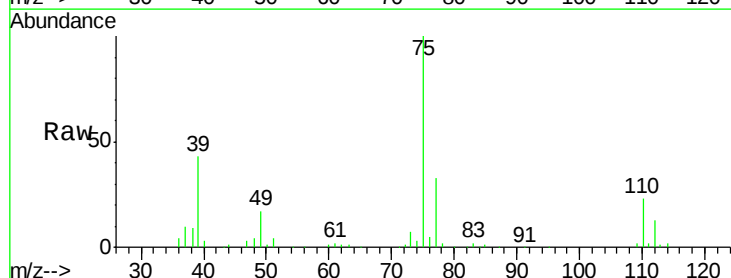
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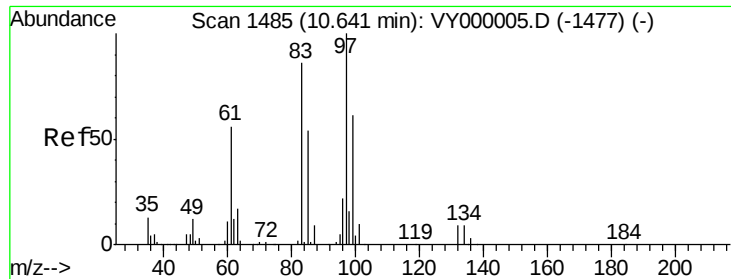
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.049 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion: 75 Resp: 55555
Ion Ratio Lower Upper
75 100
77 32.9 24.1 36.1
39 42.7 33.0 49.4





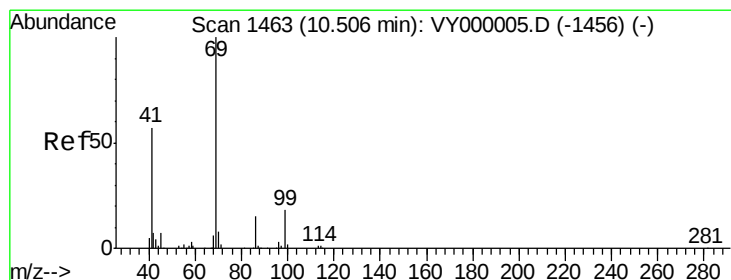
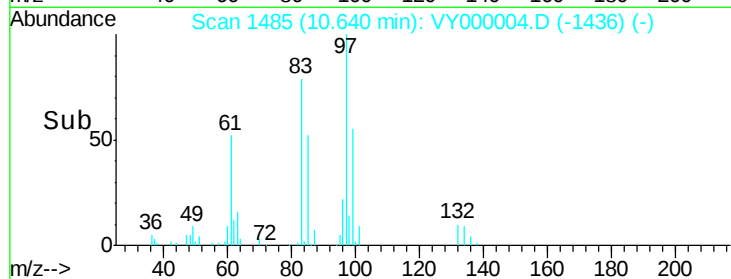
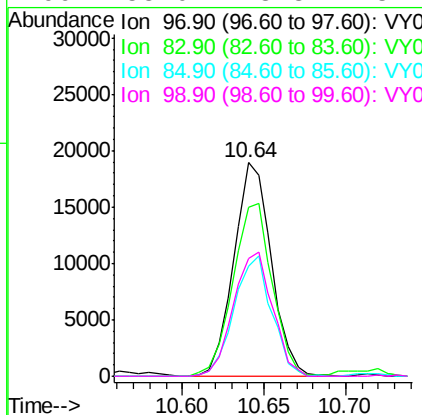
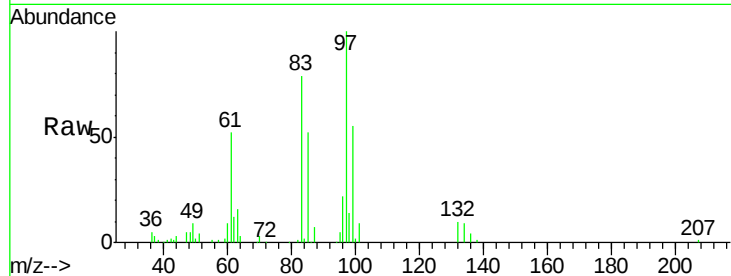
#55
 1,1,2-Trichloroethane
 Concen: 21.866 ug/l
 RT: 10.64 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000004.D
 Acq: 11 Sep 2019 17:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	30431
Ion	Ratio	Lower	Upper
97	100		
83	78.8	68.4	102.6
85	51.7	43.0	64.6
99	55.0	48.8	73.2

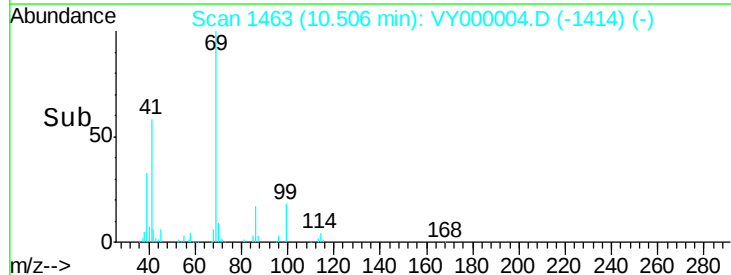
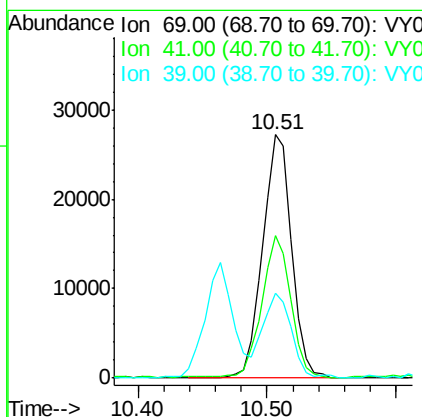
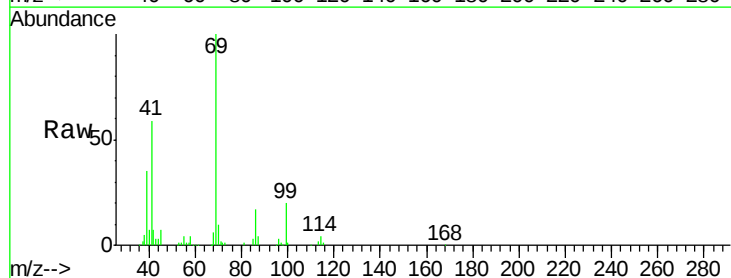
Manual Integrations
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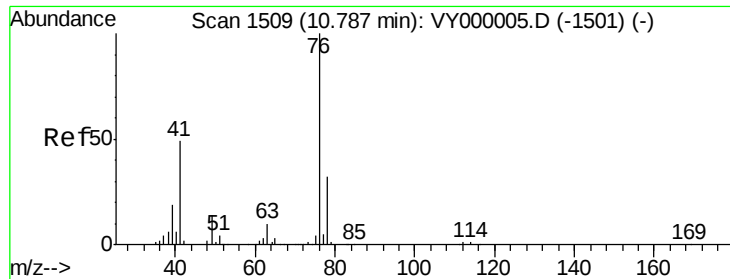
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.918 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY000004.D
 Acq: 11 Sep 2019 17:17

Tgt Ion:	69	Resp:	42463
Ion	Ratio	Lower	Upper
69	100		
41	57.9	46.3	69.5
39	33.7	25.8	38.6





#57

1,3-Dichloropropane

Concen: 19.105 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 48436

Ion Ratio Lower Upper

76 100

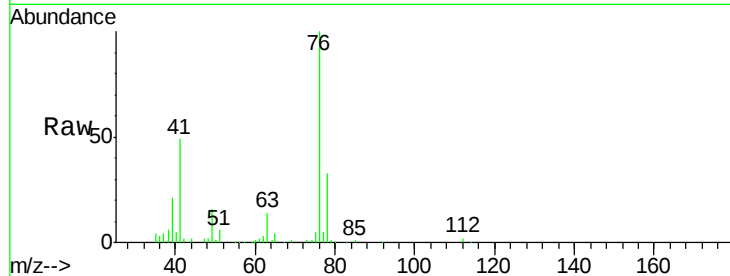
78 32.7 26.1 39.1

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

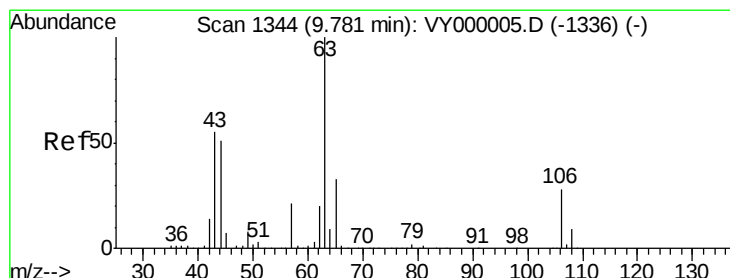
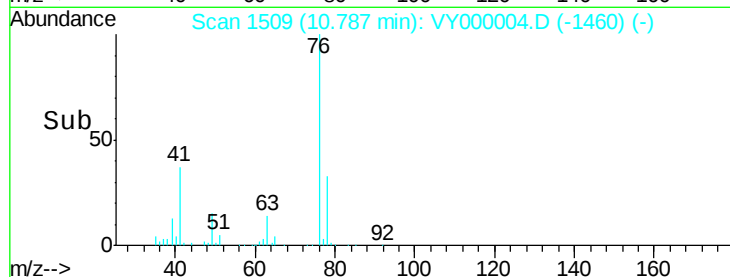
30000

20000

10000

0

Time--> 10.70 10.75 10.80 10.85



#58

2-Chloroethyl Vinyl ether

Concen: 99.061 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000004.D

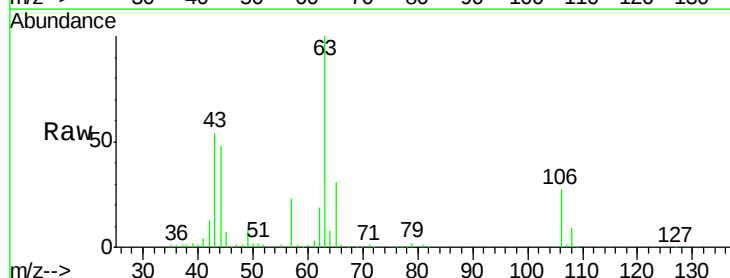
Acq: 11 Sep 2019 17:17

Tgt Ion: 63 Resp: 107614

Ion Ratio Lower Upper

63 100

106 30.1 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

80000

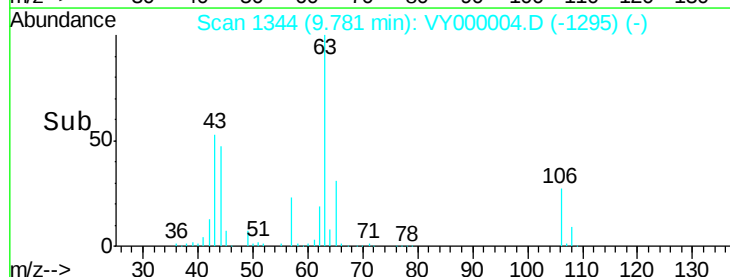
60000

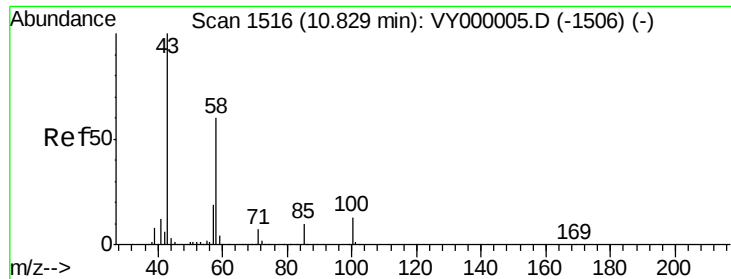
40000

20000

0

Time--> 9.70 9.75 9.80 9.85





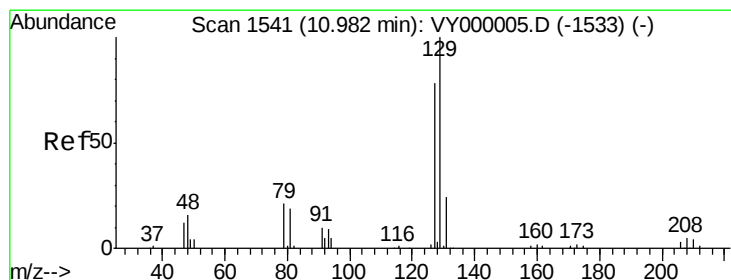
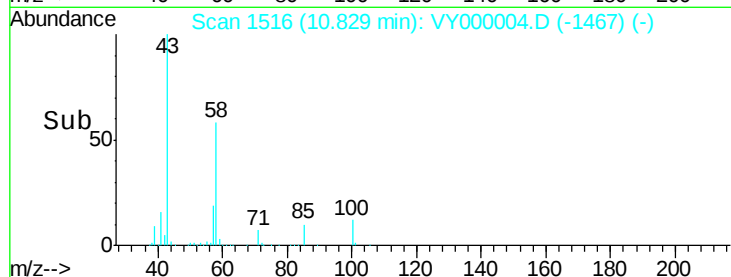
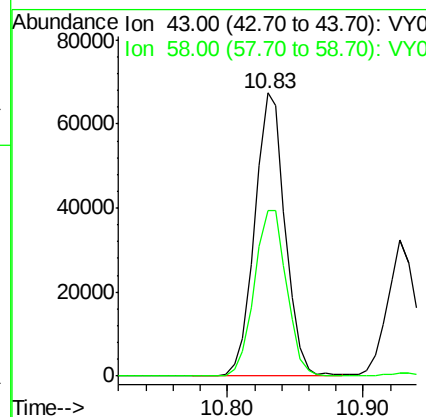
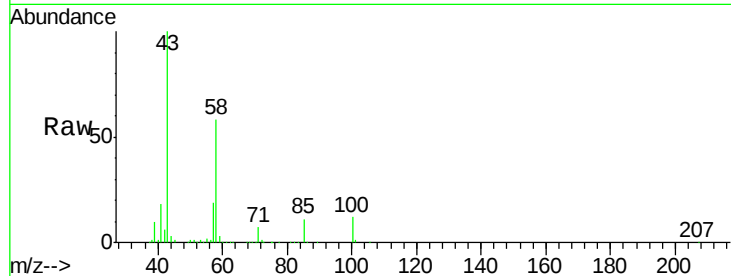
#59
2-Hexanone
Concen: 91.704 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	62.3	29.8	89.5

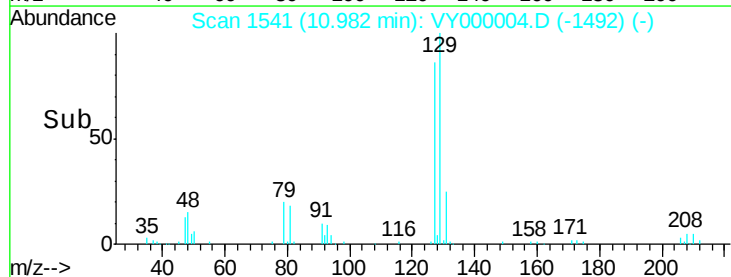
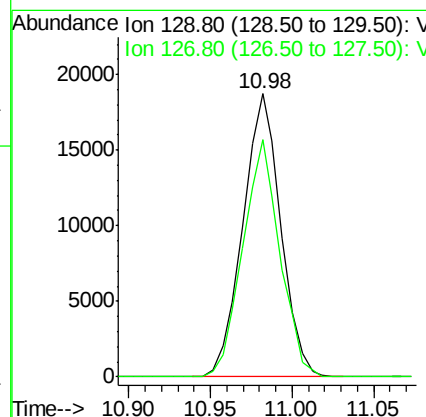
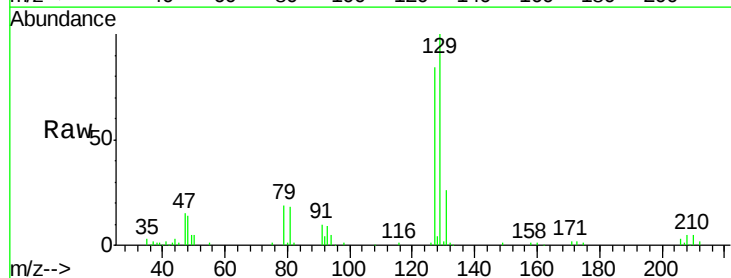
Manual Integrations
APPROVED

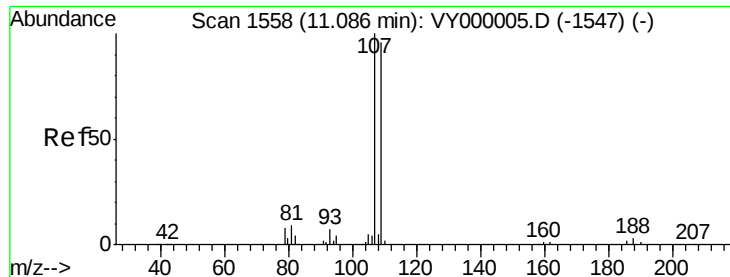
MMDadoda
9/13/2019 11:51:29 PM



#60
Dibromochloromethane
Concen: 18.750 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.1	39.2	117.6





#61

1,2-Dibromoethane

Concen: 21.080 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 26982

Ion Ratio Lower Upper

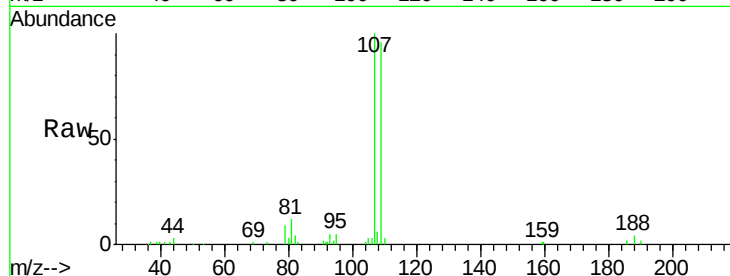
107 100

109 93.6 73.2 109.8

Manual Integrations
APPROVED

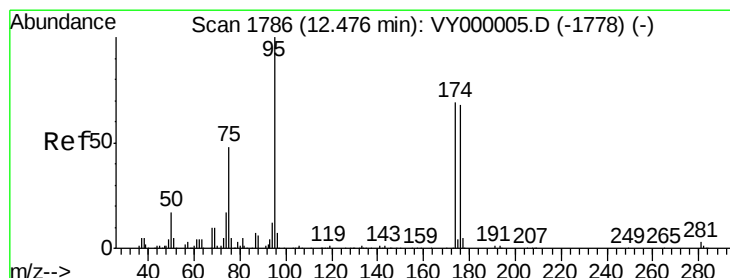
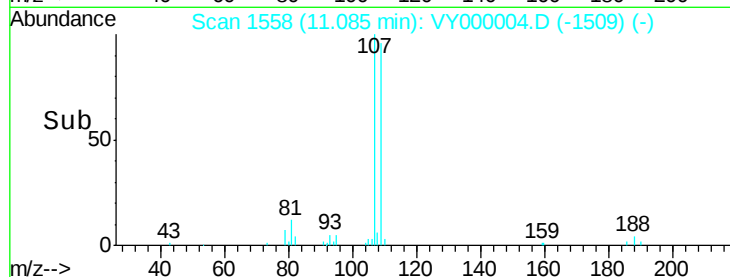
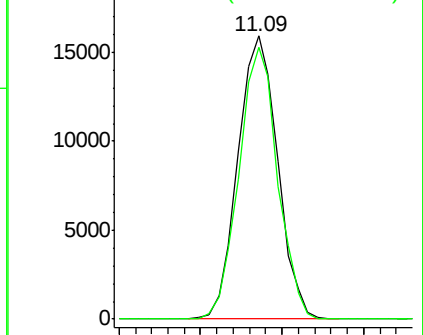
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.995 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

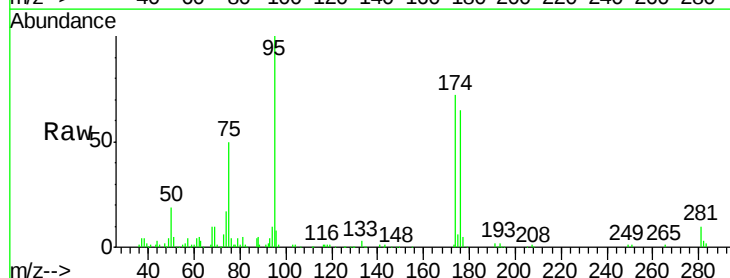
Tgt Ion: 95 Resp: 48610

Ion Ratio Lower Upper

95 100

174 71.3 0.0 145.8

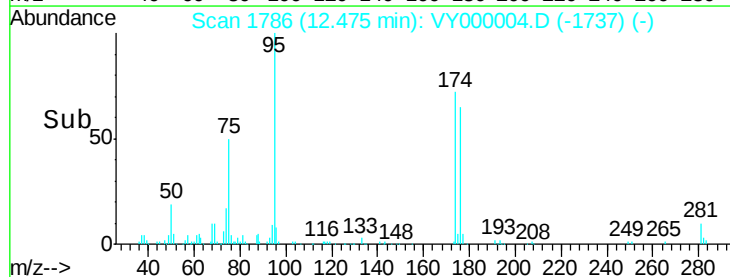
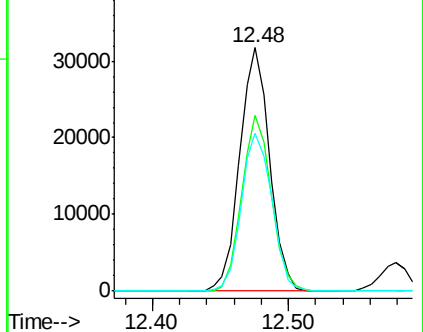
176 66.5 0.0 138.0

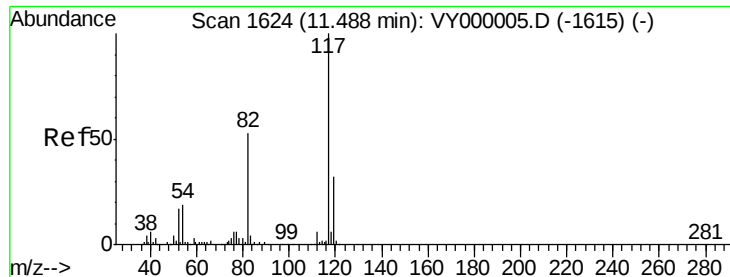


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





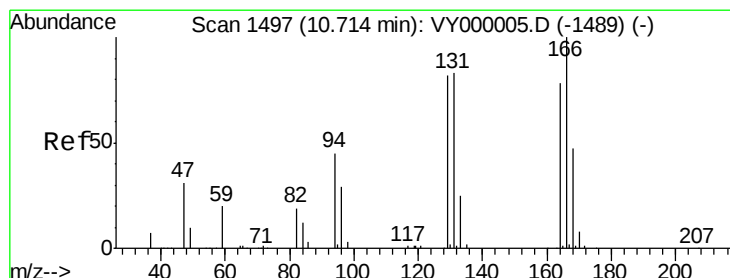
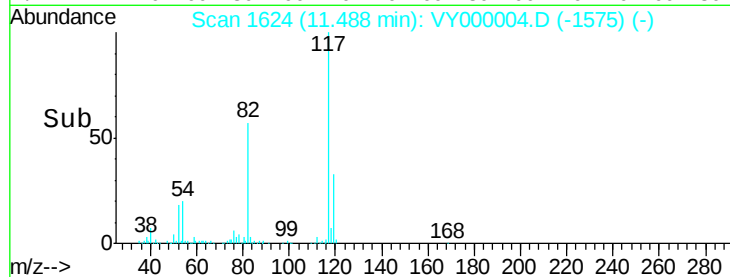
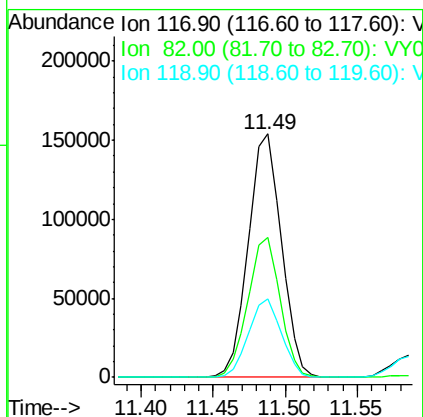
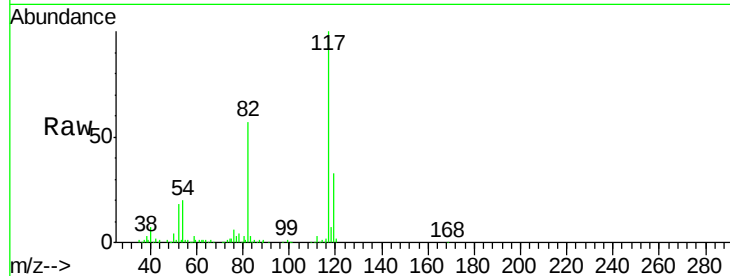
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	245069		
82	57.5		42.3	63.5
119	32.5		25.8	38.8

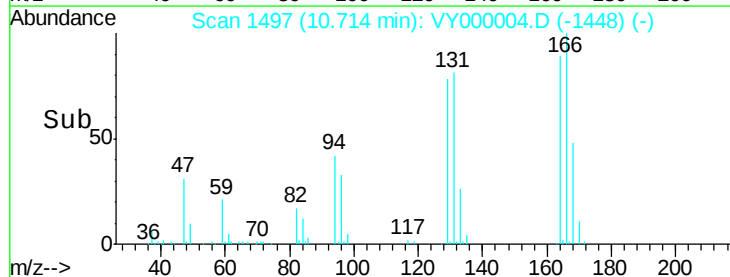
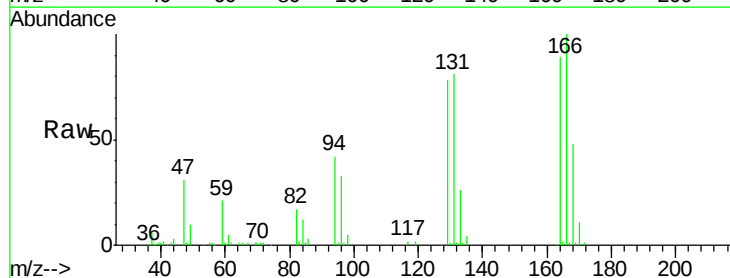
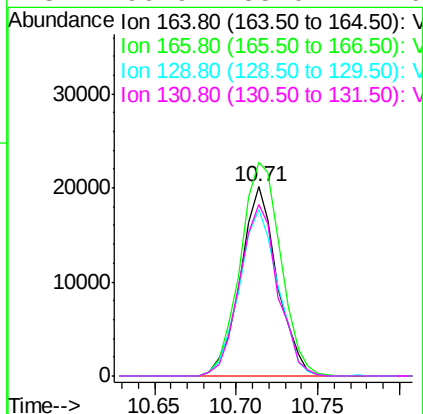
Manual Integrations
APPROVED

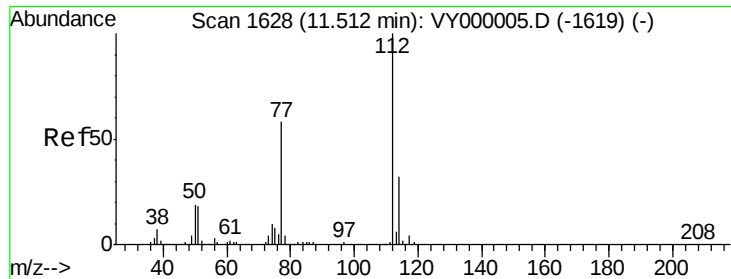
MMDadoda
9/13/2019 11:51:29 PM



#64
Tetrachloroethene
Concen: 21.609 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	31570		
166	112.8		102.5	153.7
129	88.2		83.8	125.8
131	90.9		85.0	127.6





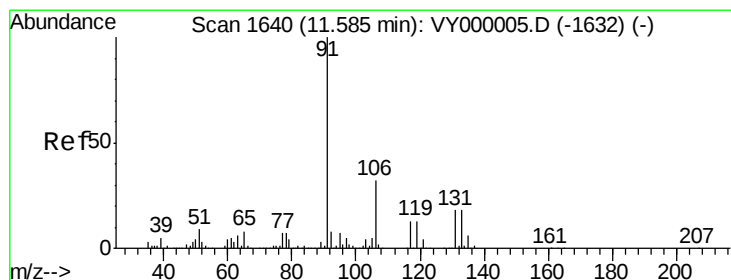
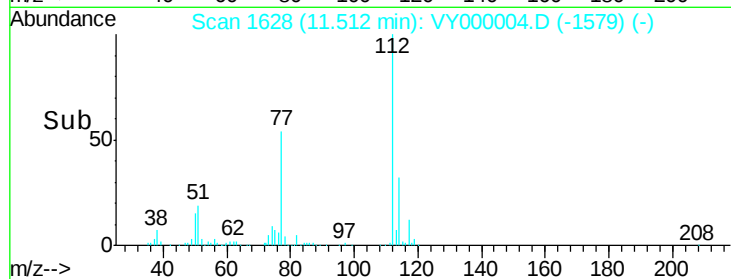
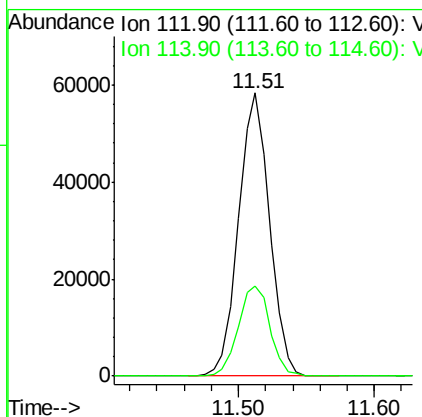
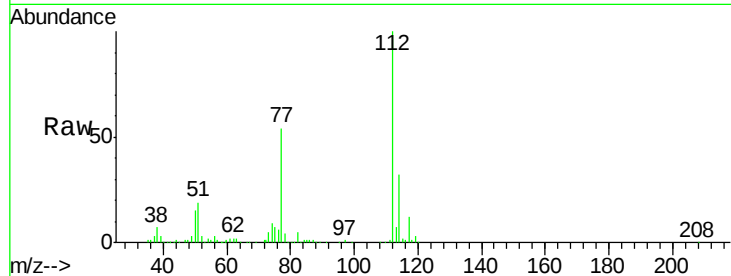
#65
Chlorobenzene
Concen: 20.247 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2

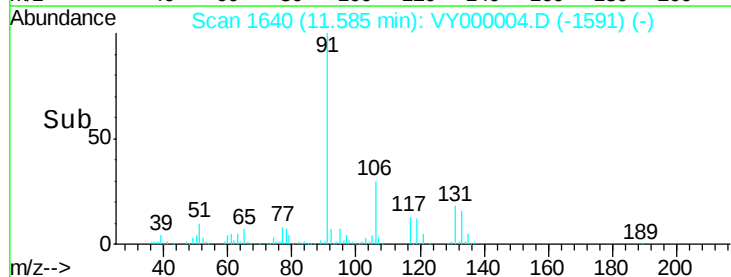
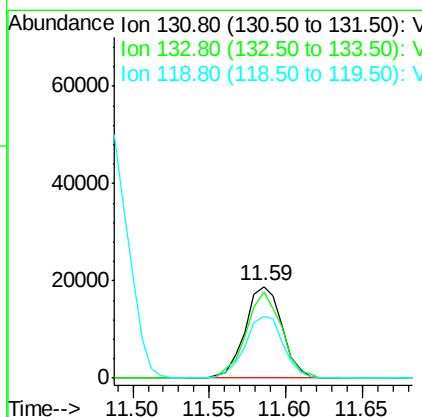
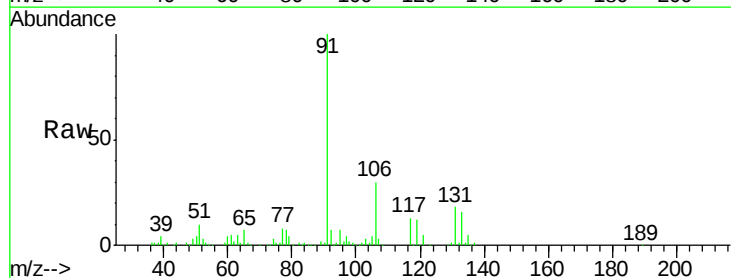
Manual Integrations
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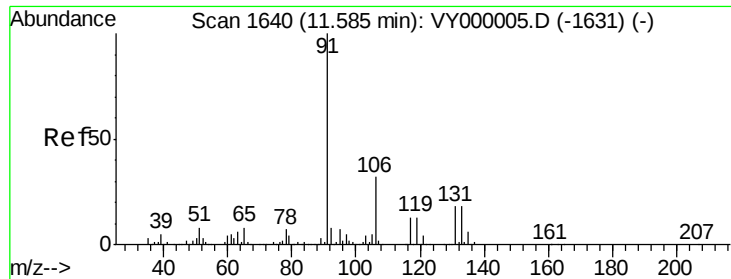
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.849 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.6	48.7	146.1
119	70.3	35.8	107.3





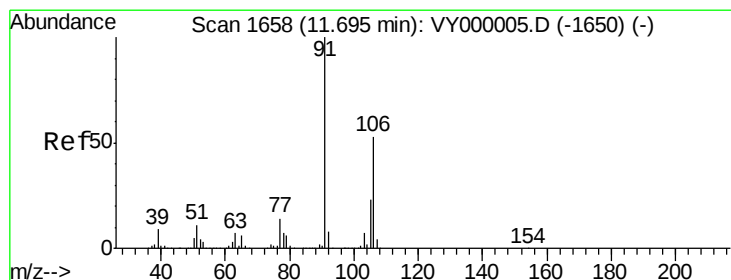
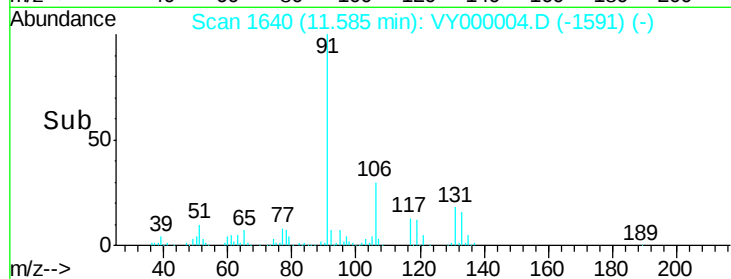
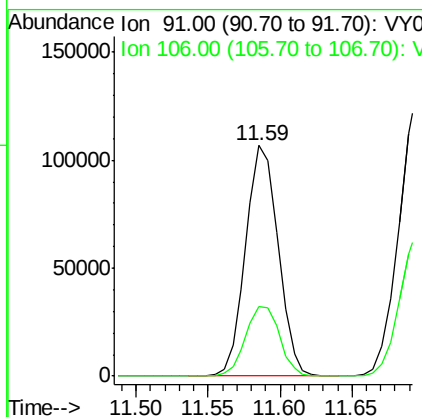
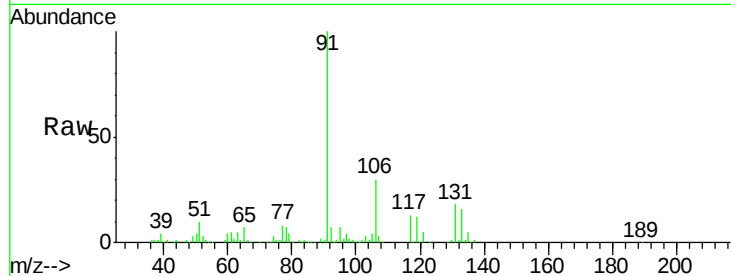
#67
Ethyl Benzene
Concen: 19.674 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.4	38.2

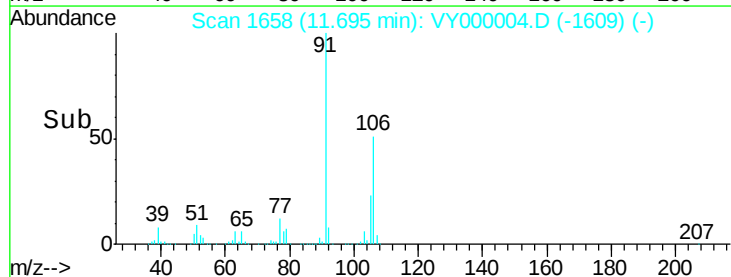
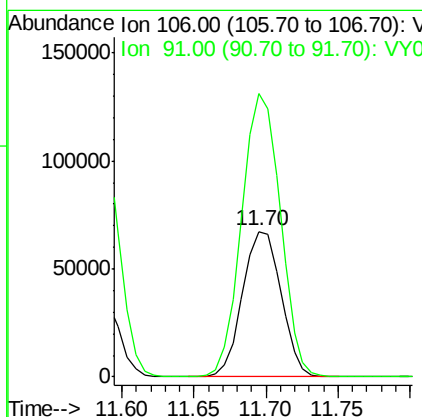
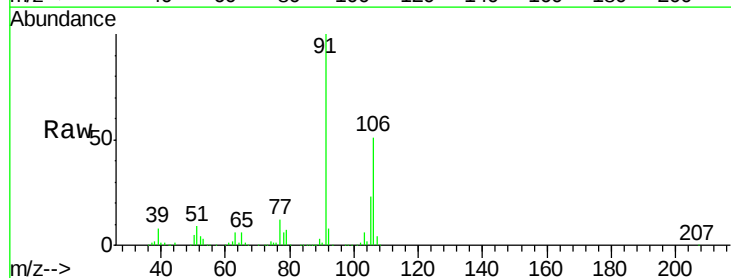
Manual Integrations
APPROVED

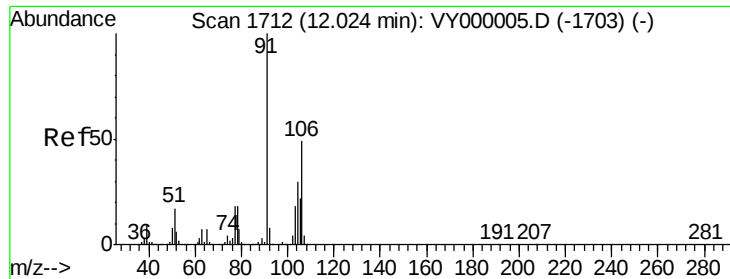
MMDadoda
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#68
m/p-Xylenes
Concen: 40.157 ug/l
RT: 11.70 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.6	157.1	235.7





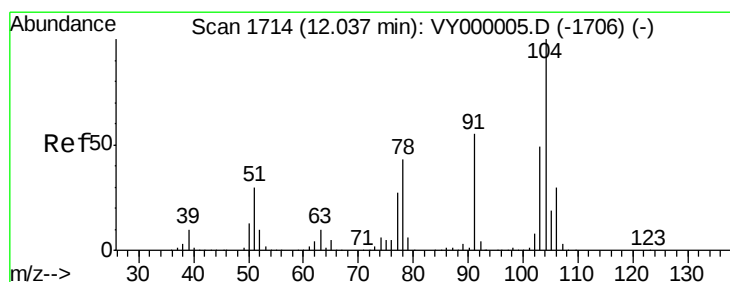
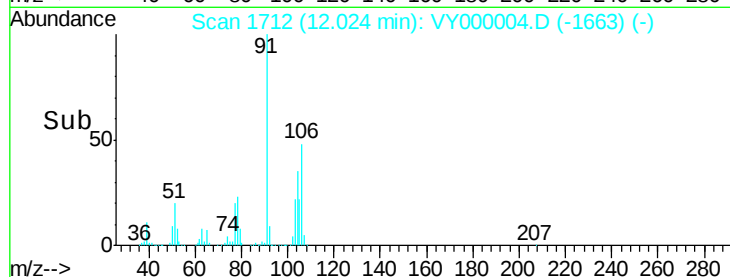
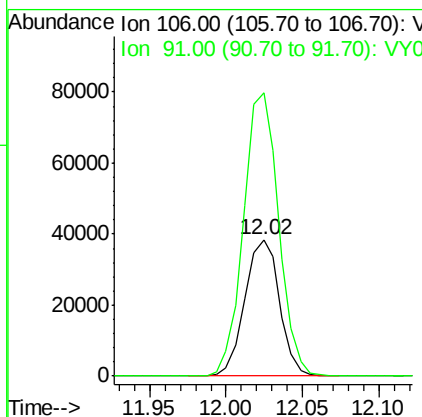
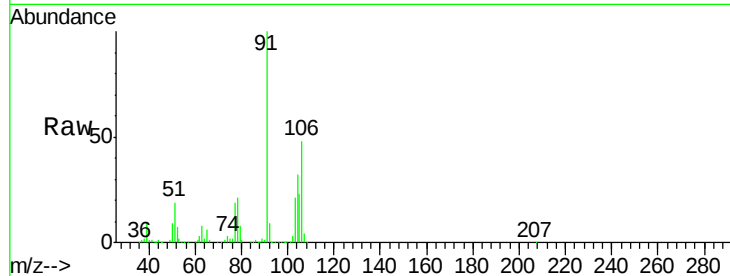
#69
o-Xylene
Concen: 20.642 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 60552
Ion Ratio Lower Upper
106 100
91 210.6 100.6 301.8

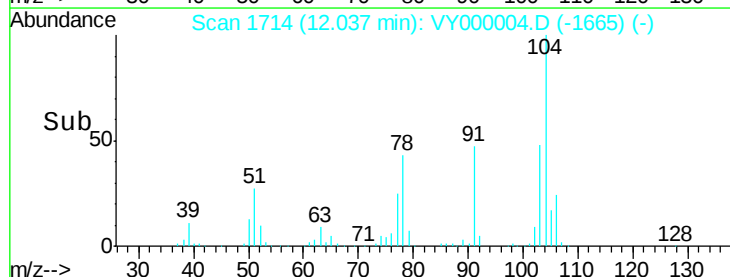
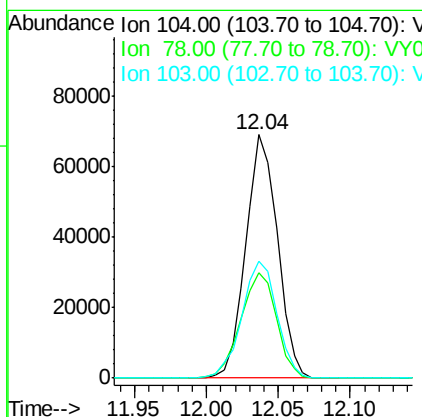
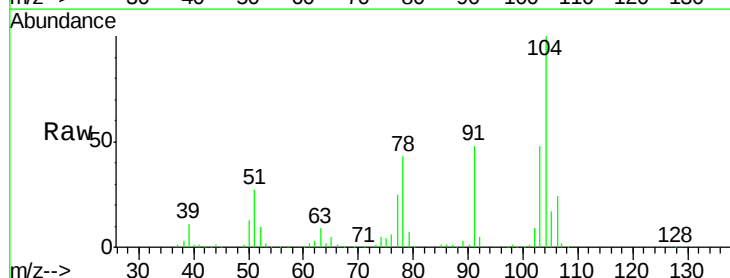
Manual Integrations
APPROVED

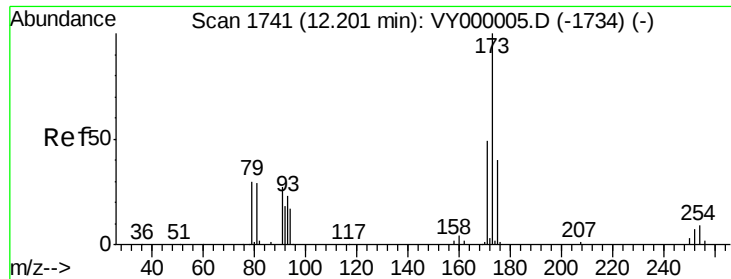
MMDadoda
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#70
Styrene
Concen: 20.409 ug/l
RT: 12.04 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion:104 Resp: 105283
Ion Ratio Lower Upper
104 100
78 48.9 37.6 56.4
103 53.1 42.6 63.8





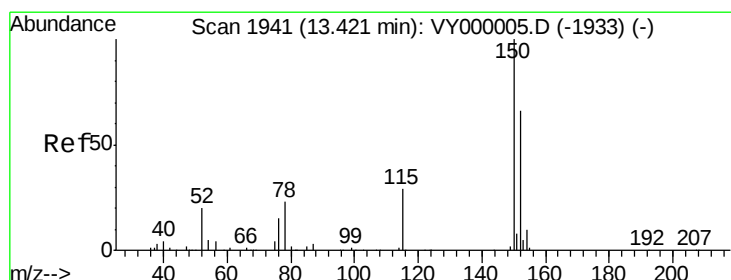
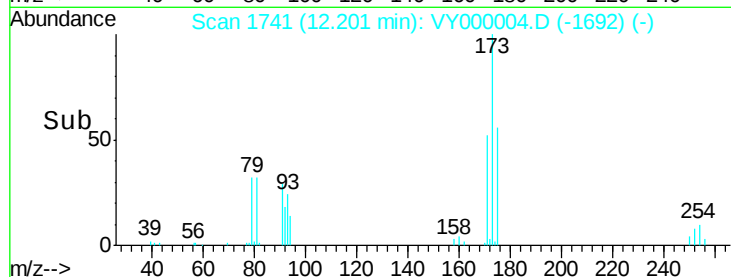
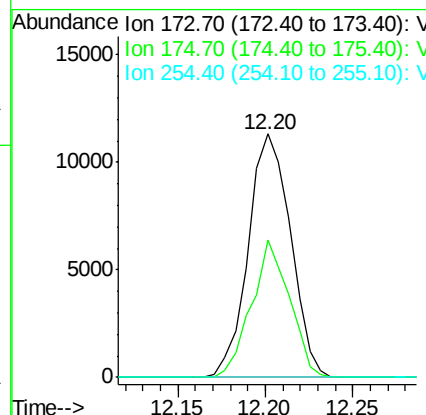
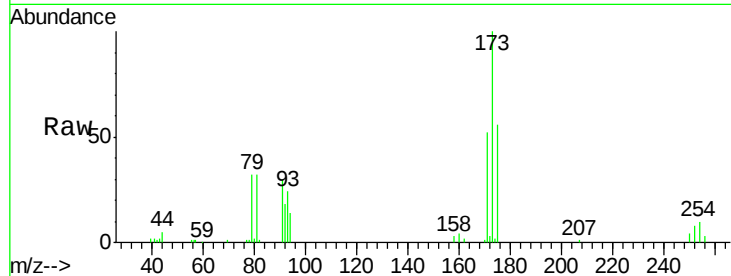
#71
Bromoform
Concen: 20.189 ug/l
RT: 12.20 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	23.8	71.5
254	0.0	0.0	0.0

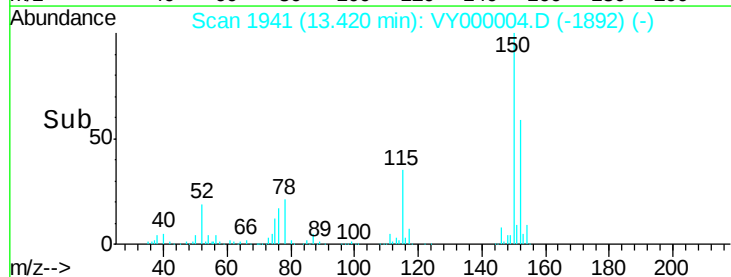
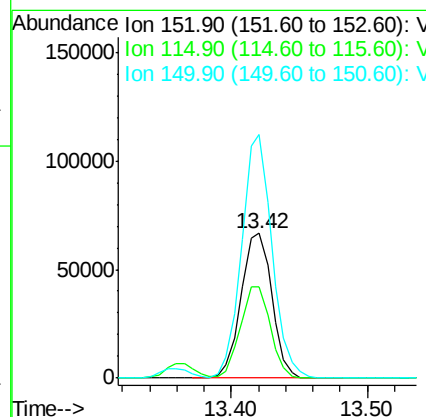
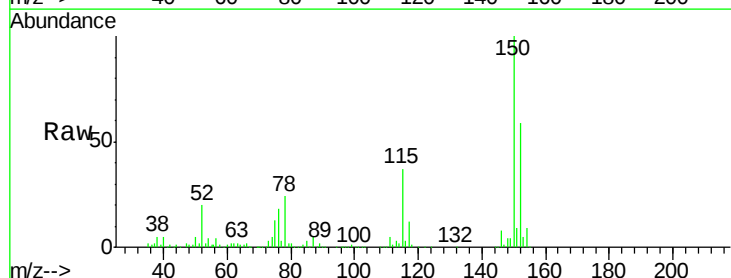
Manual Integrations
APPROVED

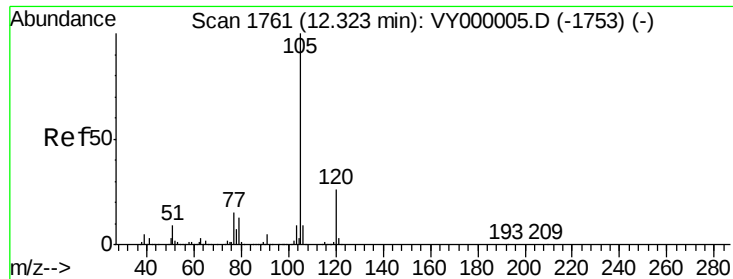
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.3	91.0
150	165.0	0.0	347.4





#73

Isopropylbenzene

Concen: 21.353 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 160824

Ion Ratio Lower Upper

105 100

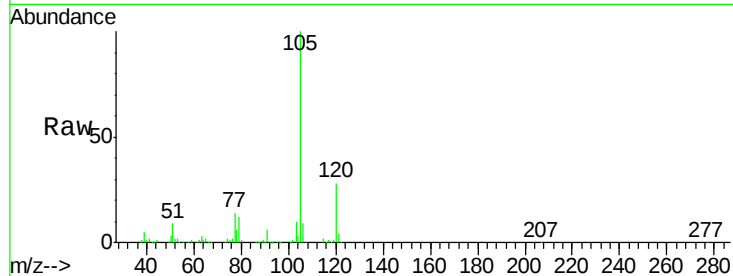
120 28.0 13.5 40.4

Manual Integrations

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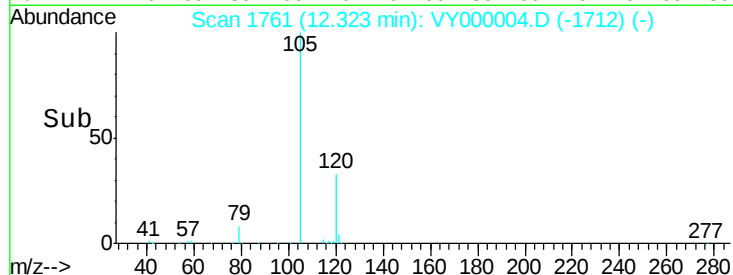
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

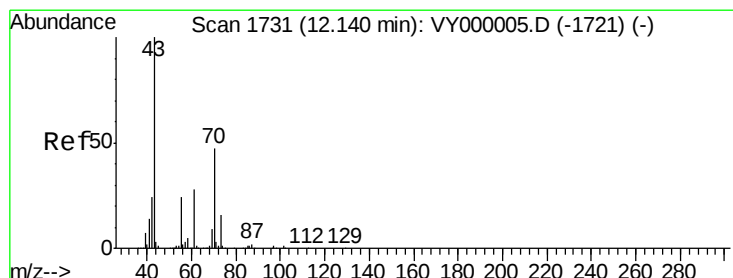
12.32

12.35

12.40



Time-->



#74

N-ethyl acetate

Concen: 18.877 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Tgt Ion: 43 Resp: 44223

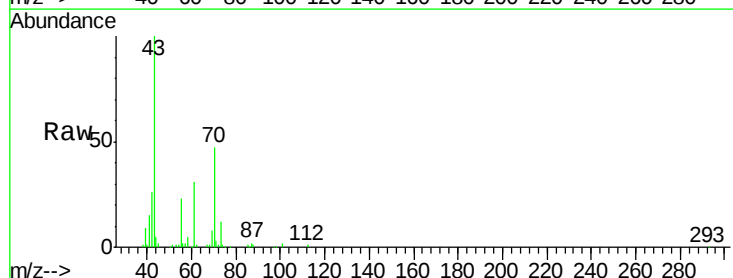
Ion Ratio Lower Upper

43 100

70 47.1 38.1 57.1

55 24.1 19.9 29.9

61 27.9 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

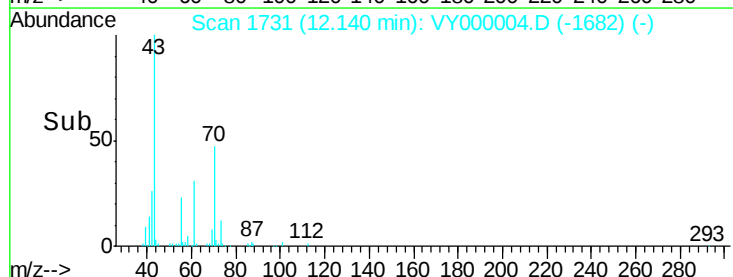
Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

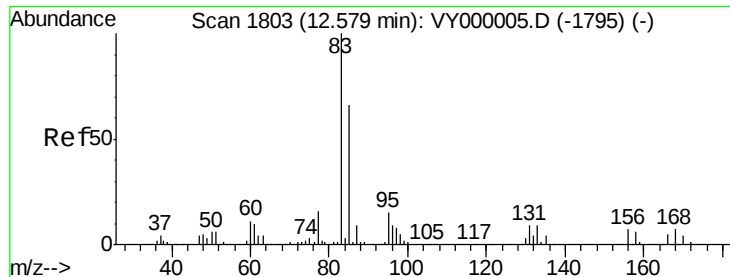
12.14

12.15

12.20



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 24.284 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

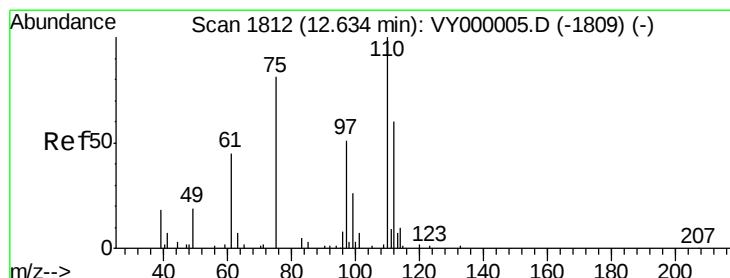
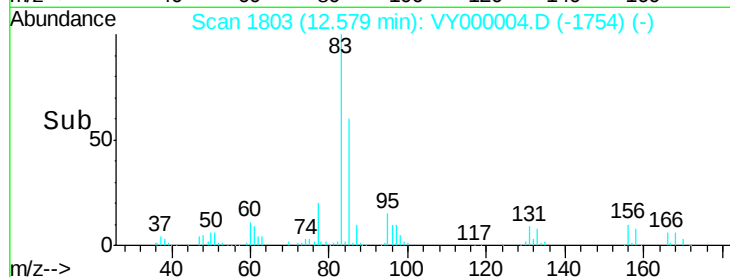
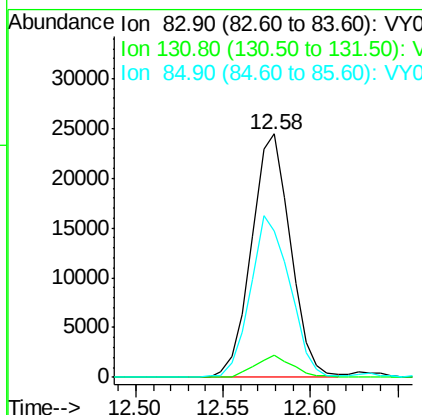
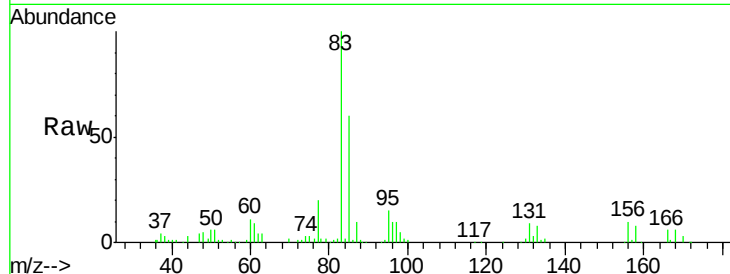
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	37950
Ion	Ratio	Lower	Upper
83	100		
131	8.7	5.0	14.9
85	66.8	32.1	96.3

Manual Integrations
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9/13/2019 11:51:29 PM



#76

1,2,3-Trichloropropane

Concen: 22.560 ug/l m

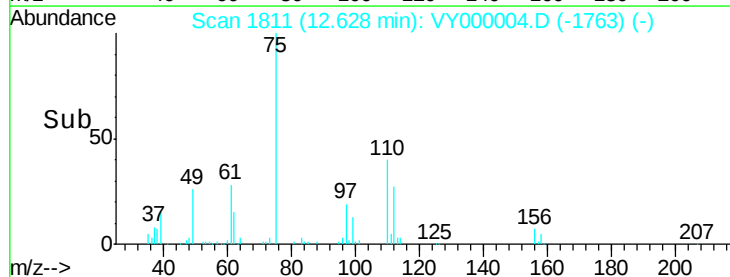
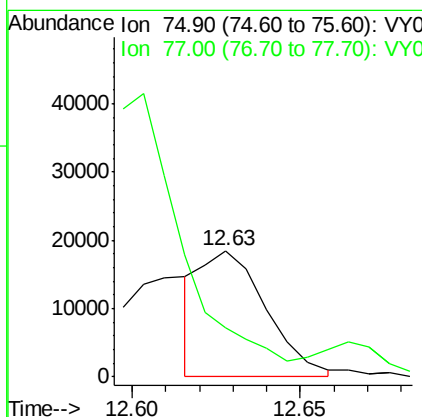
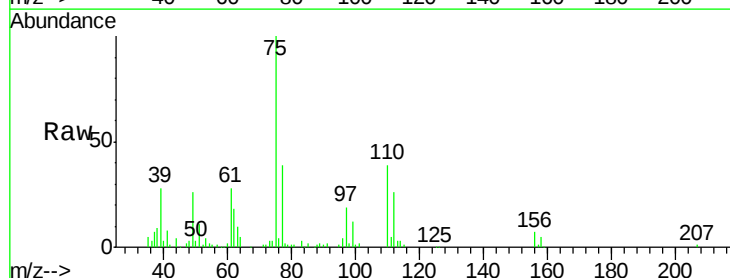
RT: 12.63 min Scan# 1811

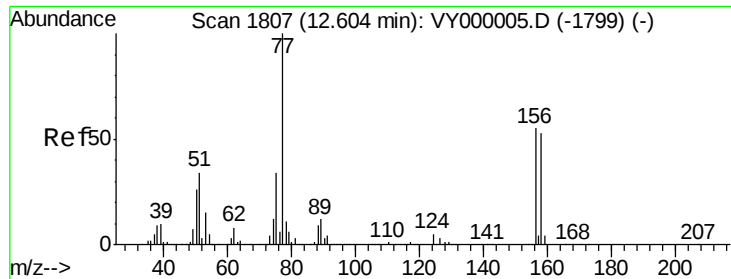
Delta R.T. -0.01 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Tgt Ion:	75	Resp:	25193
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.204 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 34263

Ion Ratio Lower Upper

156 100

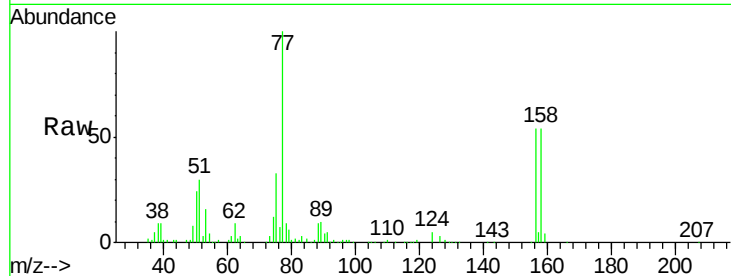
77 219.1 106.5 319.6

158 98.7 48.2 144.6

Manual Integrations
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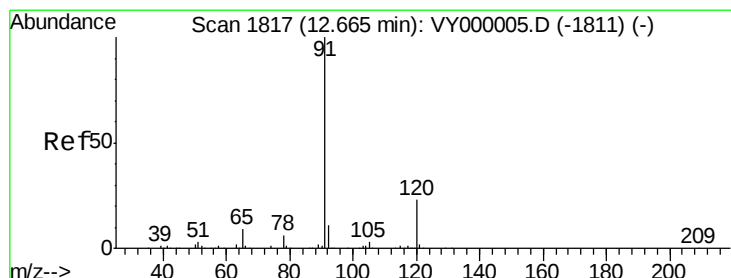
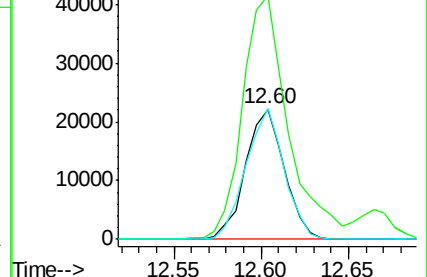
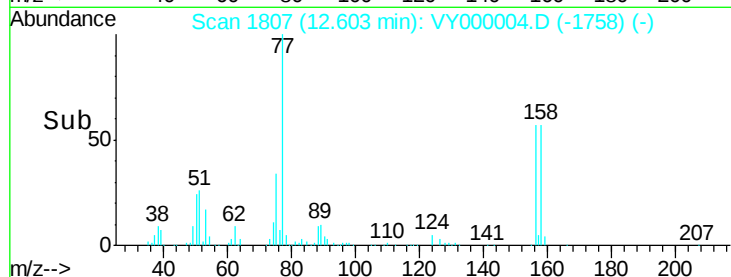
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.168 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000004.D

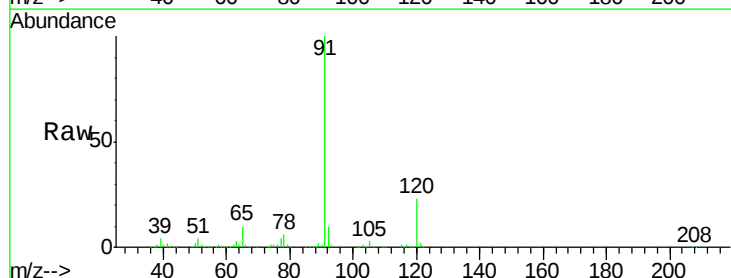
Acq: 11 Sep 2019 17:17

Tgt Ion: 91 Resp: 191837

Ion Ratio Lower Upper

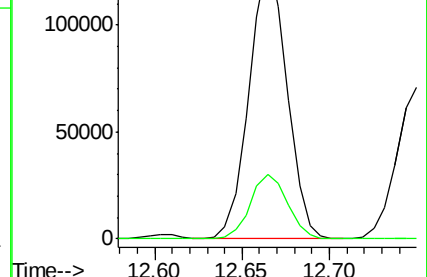
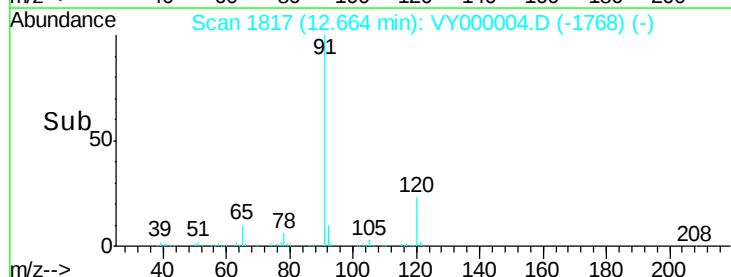
91 100

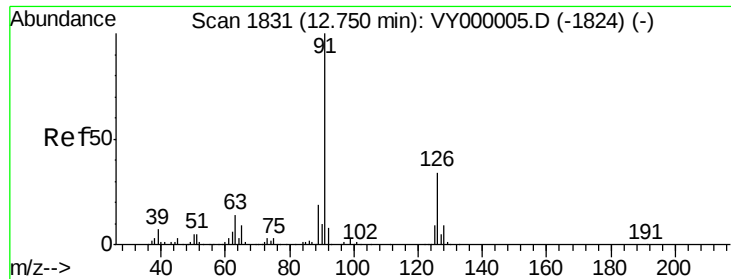
120 23.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





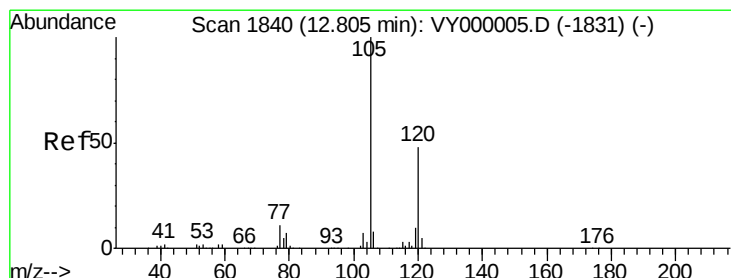
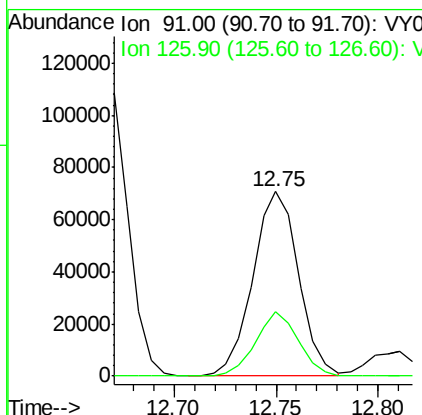
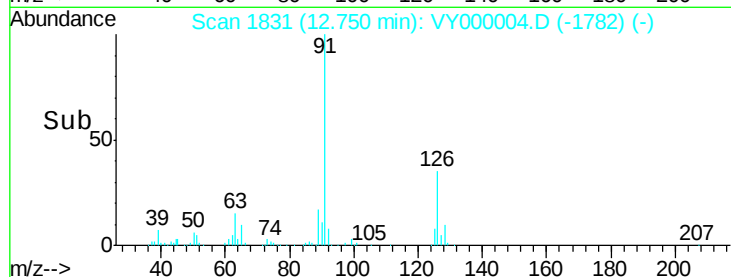
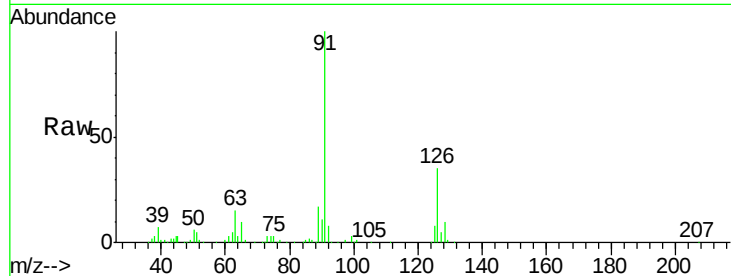
#79
2-Chlorotoluene
Concen: 21.247 ug/l
RT: 12.75 min Scan# 1831
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 109900
Ion Ratio Lower Upper
91 100
126 33.2 17.2 51.6

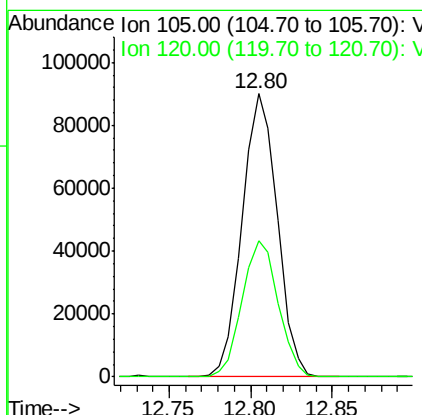
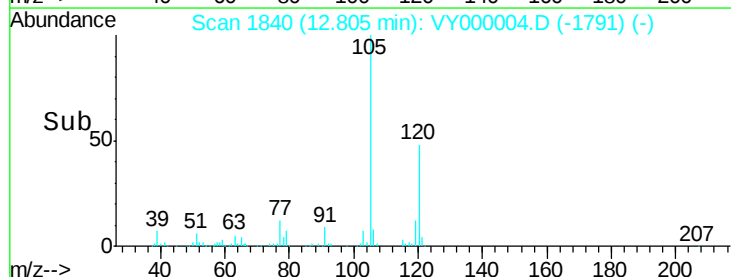
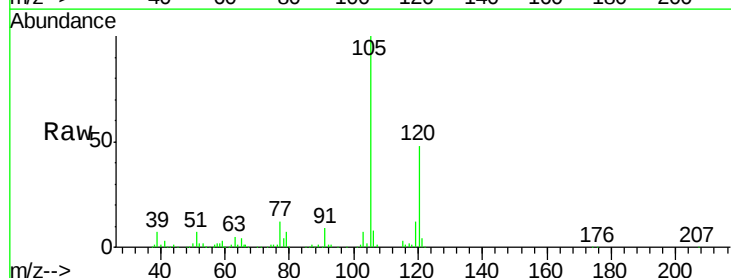
Manual Integrations
APPROVED

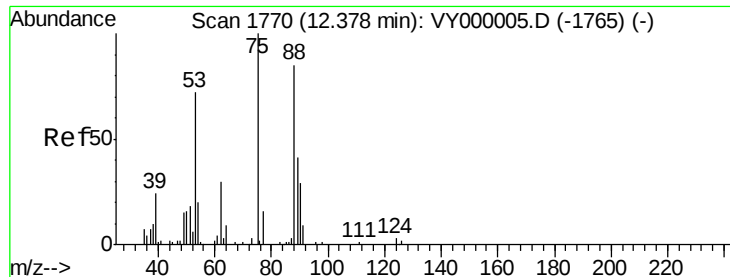
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#80
1,3,5-Trimethylbenzene
Concen: 21.336 ug/l
RT: 12.80 min Scan# 1840
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion: 105 Resp: 135168
Ion Ratio Lower Upper
105 100
120 49.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 27.928 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

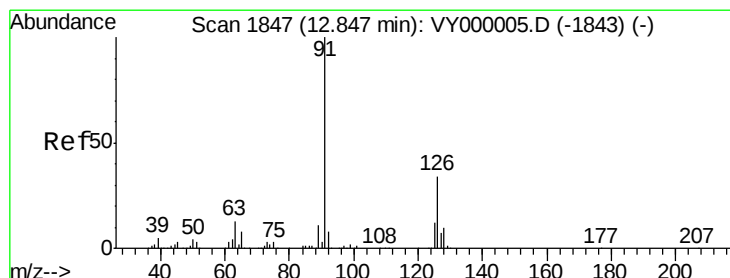
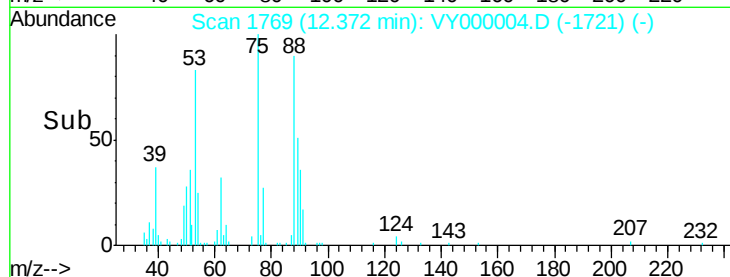
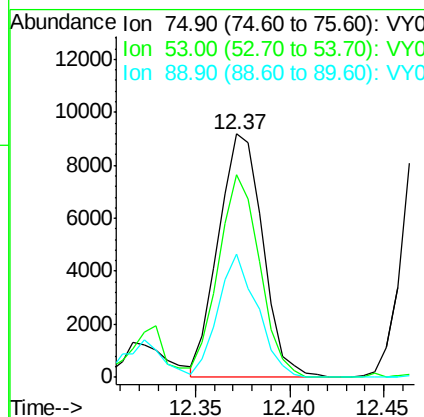
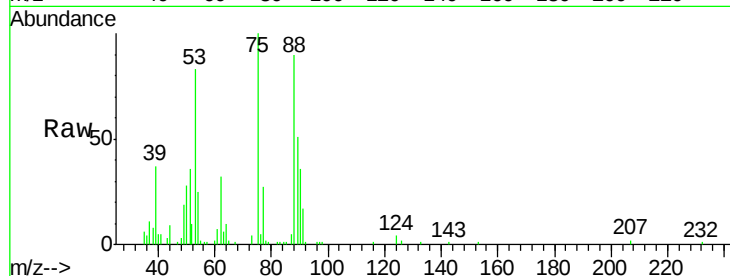
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	15032
Ion Ratio	Lower	Upper	
75	100		
53	78.1	63.0	94.6
89	44.9	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.884 ug/l

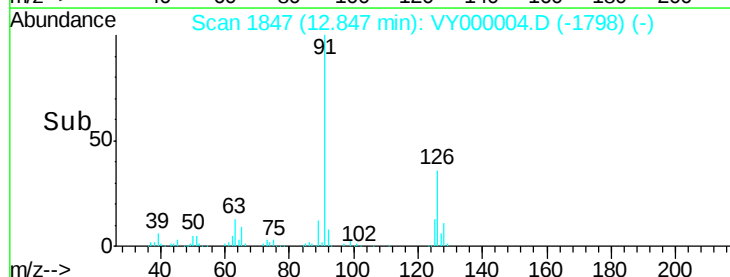
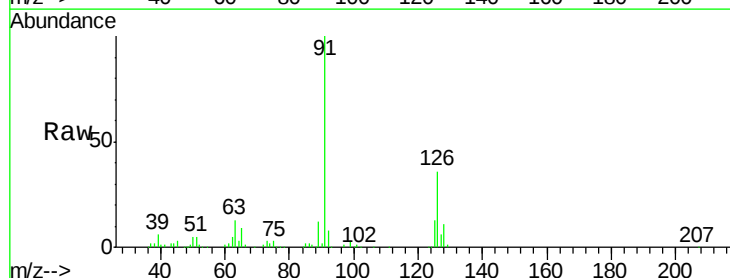
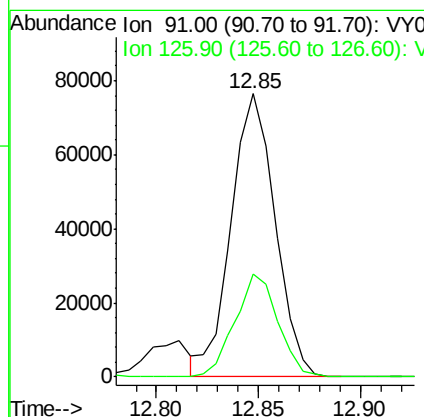
RT: 12.85 min Scan# 1847

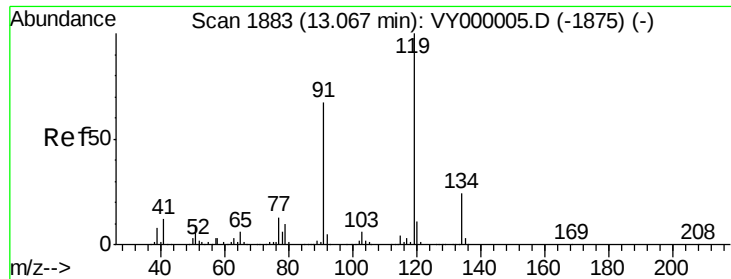
Delta R.T. -0.00 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Tgt Ion:	91	Resp:	114260
Ion Ratio	Lower	Upper	
91	100		
126	35.4	17.0	50.9





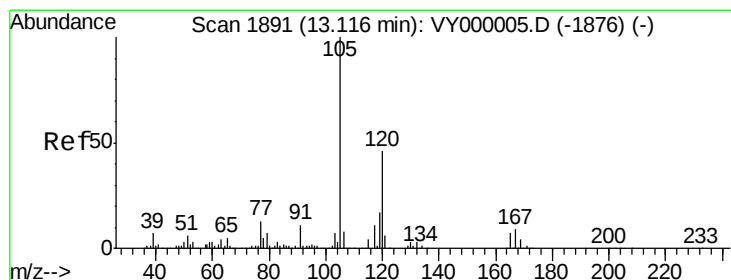
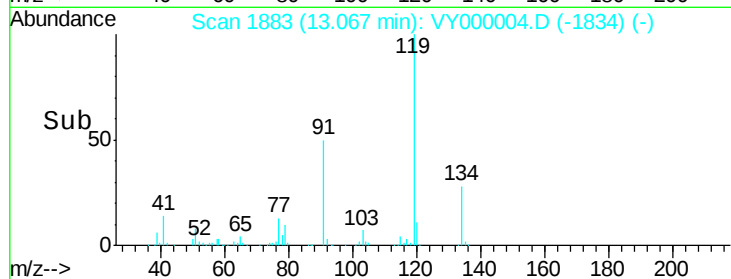
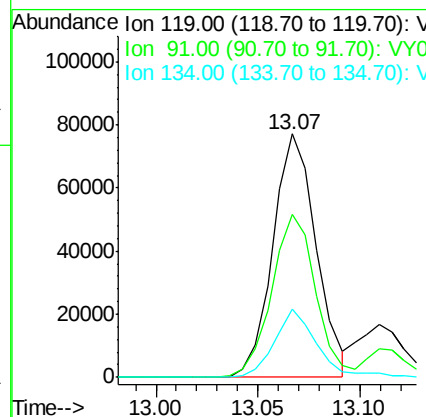
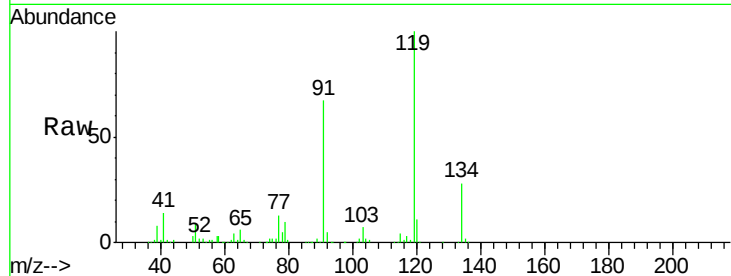
#83
tert-Butylbenzene
Concen: 20.429 ug/l
RT: 13.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	33.6	100.8
134	27.5	13.7	41.0

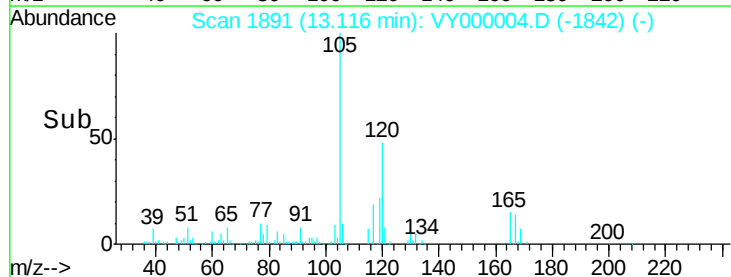
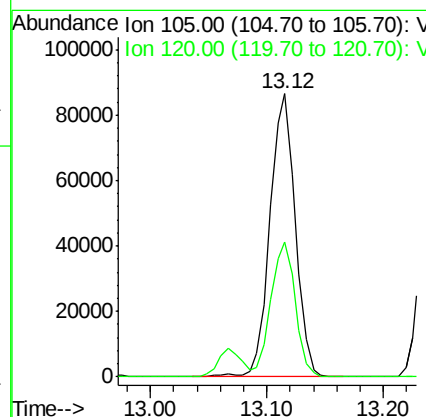
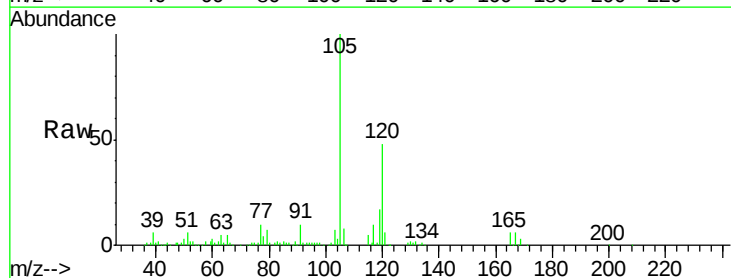
Manual Integrations
APPROVED

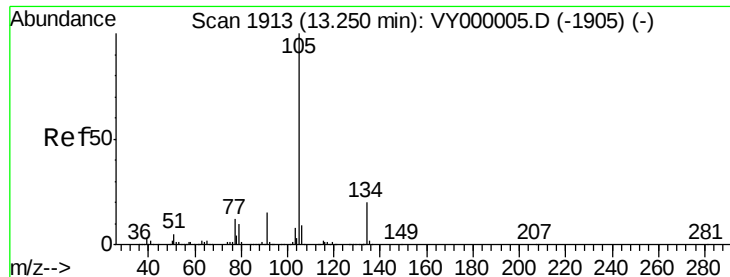
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#84
1,2,4-Trimethylbenzene
Concen: 20.462 ug/l
RT: 13.12 min Scan# 1891
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.8	68.3





#85

sec-Butylbenzene

Concen: 21.717 ug/l

RT: 13.24 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 169782

Ion Ratio Lower Upper

105 100

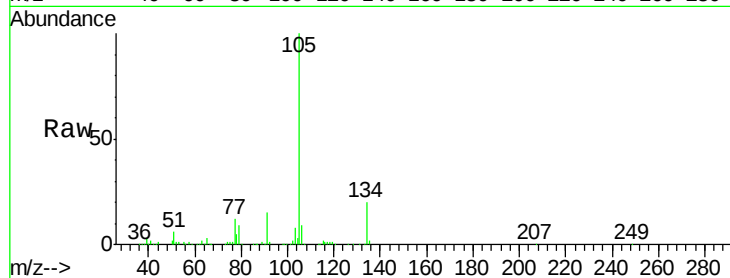
134 19.3 9.9 29.7

Manual Integrations

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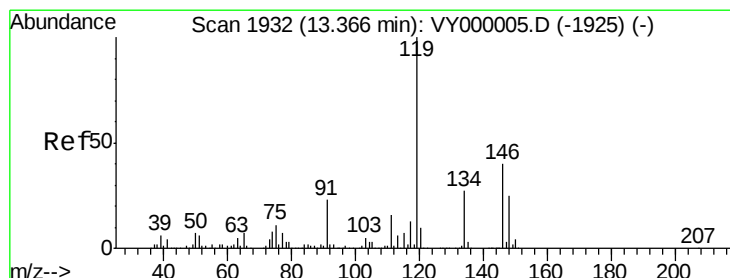
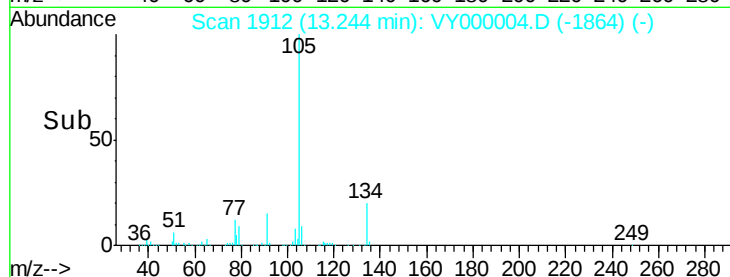
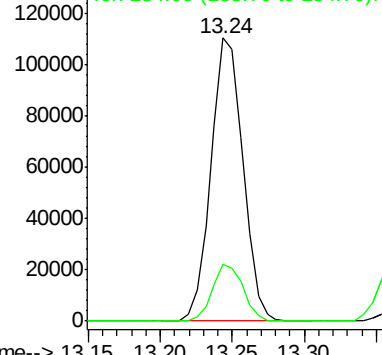
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.476 ug/l

RT: 13.36 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VY000004.D

Acq: 11 Sep 2019 17:17

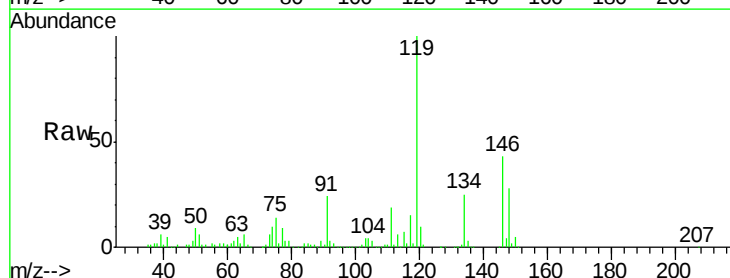
Tgt Ion:119 Resp: 144302

Ion Ratio Lower Upper

119 100

134 25.9 13.7 41.1

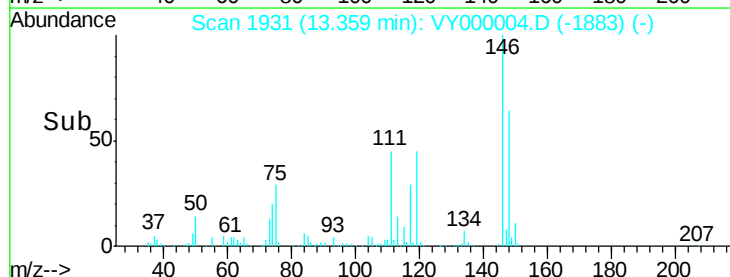
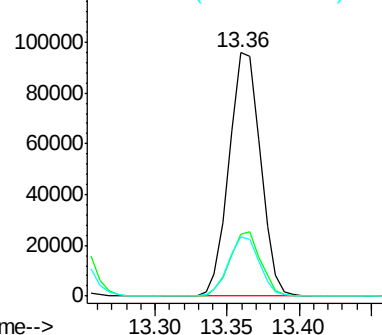
91 24.3 12.2 36.6

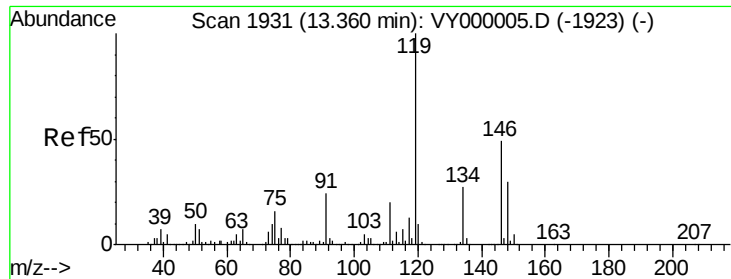


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





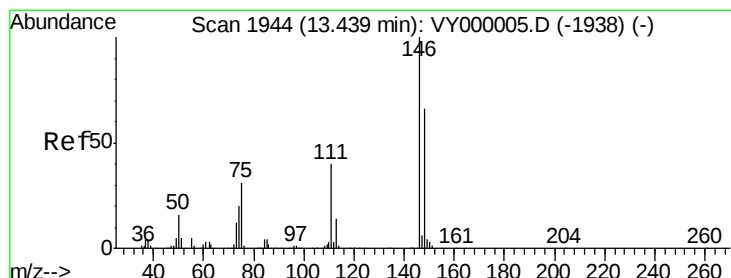
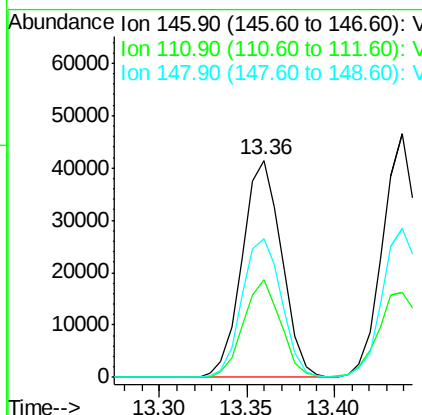
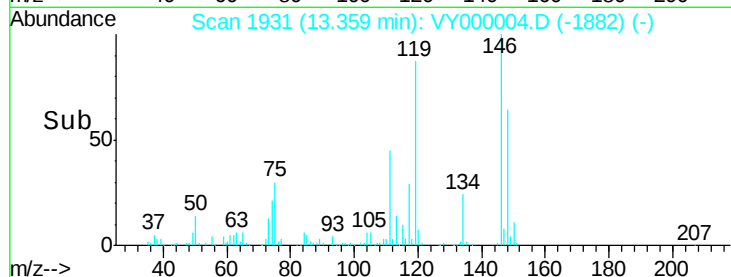
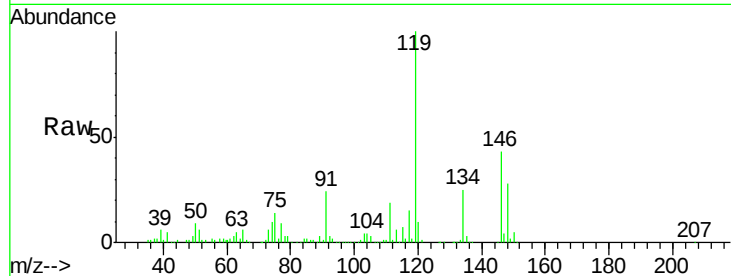
#87
 1,3-Dichlorobenzene
 Concen: 19.538 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000004.D
 Acq: 11 Sep 2019 17:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.6	61.9
148	64.2	31.3	93.9

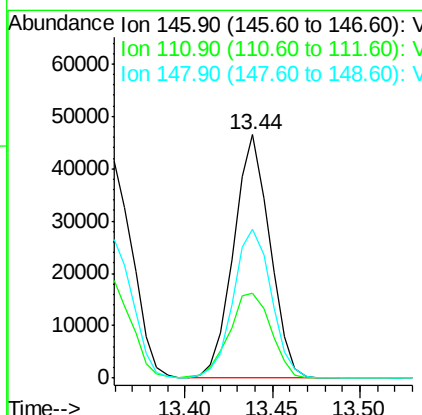
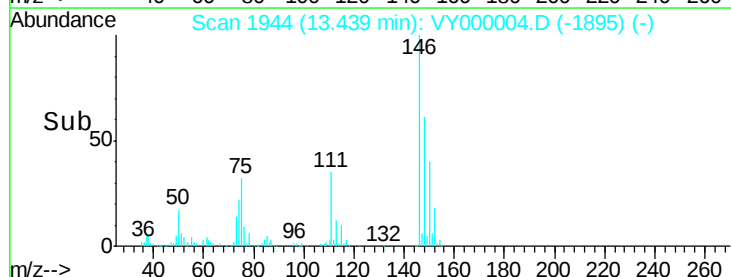
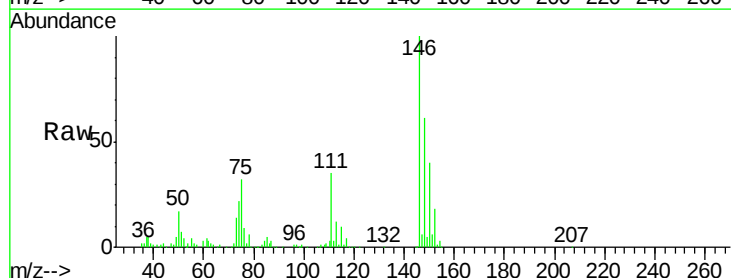
Manual Integrations
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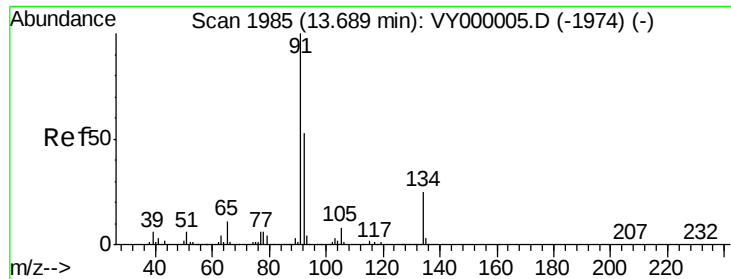
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#88
 1,4-Dichlorobenzene
 Concen: 20.186 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000004.D
 Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.9
148	64.5	31.9	95.7





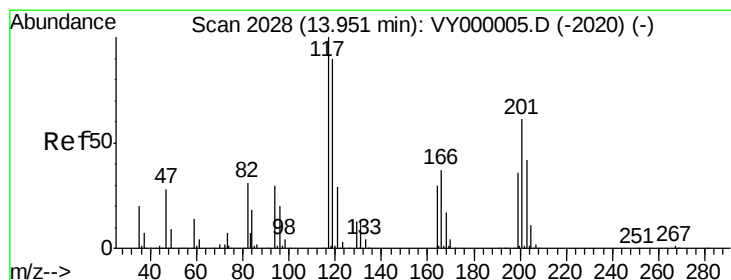
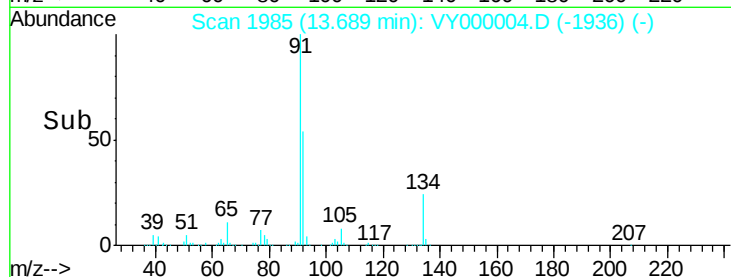
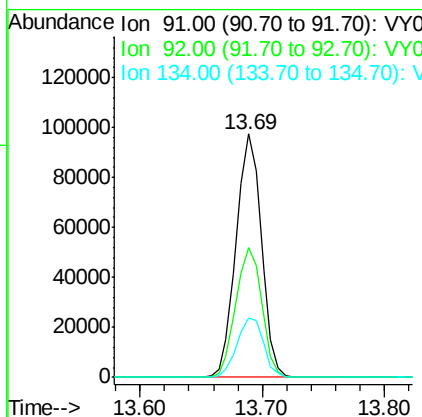
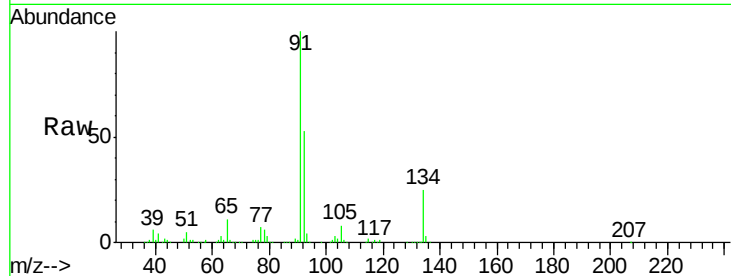
#89
n-Butylbenzene
Concen: 20.160 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.0	80.8
134	25.5	12.7	38.0

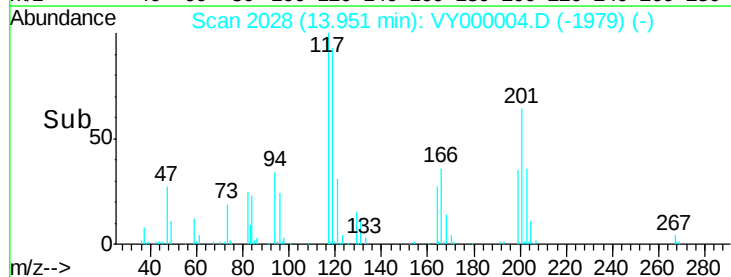
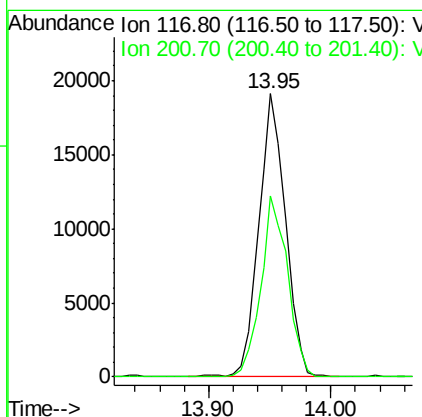
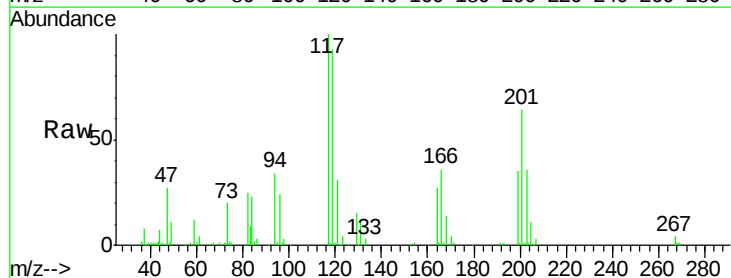
Manual Integrations
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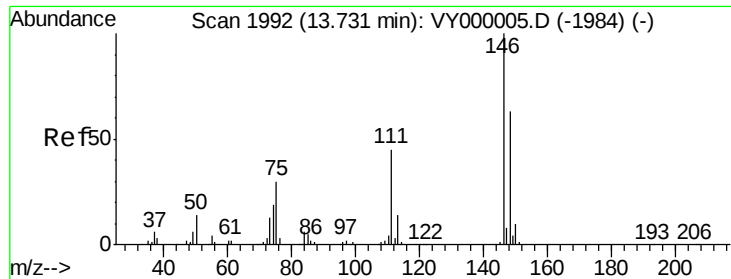
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#90
Hexachloroethane
Concen: 23.189 ug/l
RT: 13.95 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.8	32.3	96.8





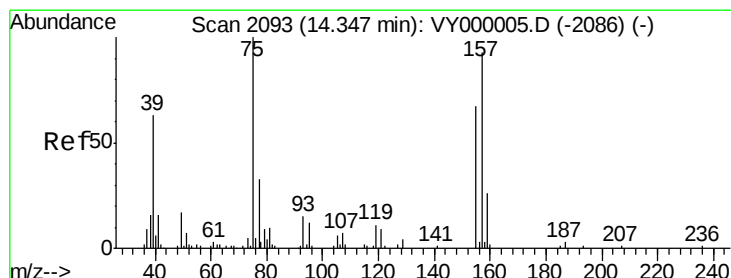
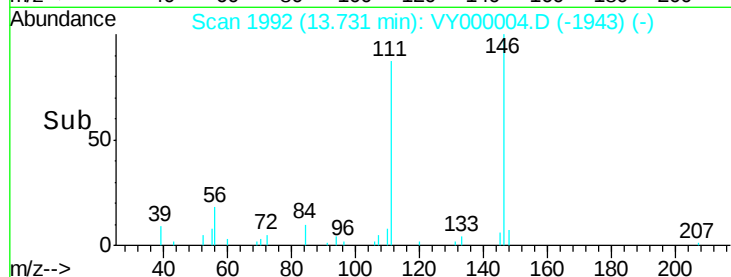
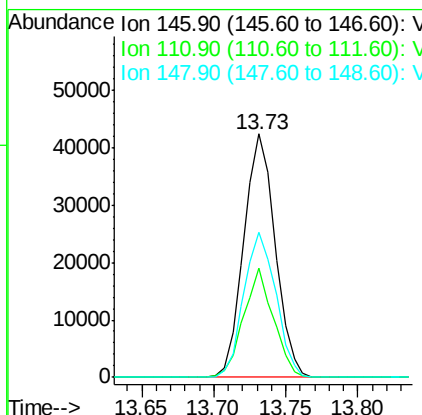
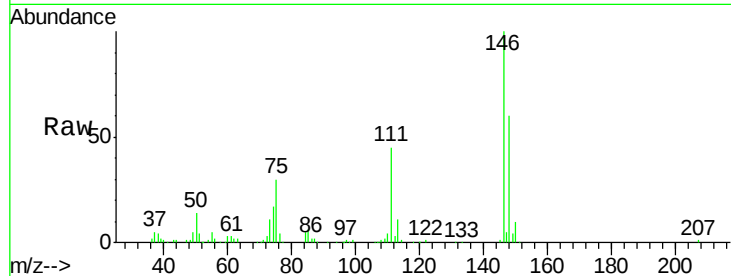
#91
 1,2-Dichlorobenzene
 Concen: 21.177 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000004.D
 Acq: 11 Sep 2019 17:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.9	65.5
148	60.6	31.9	95.5

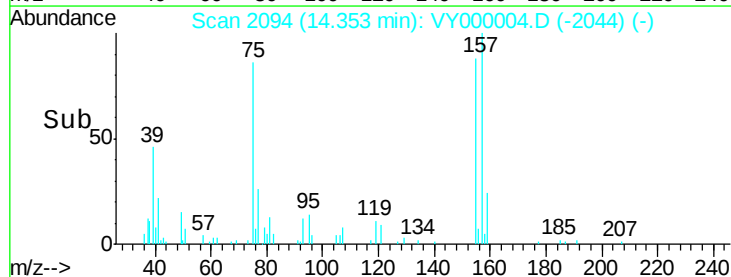
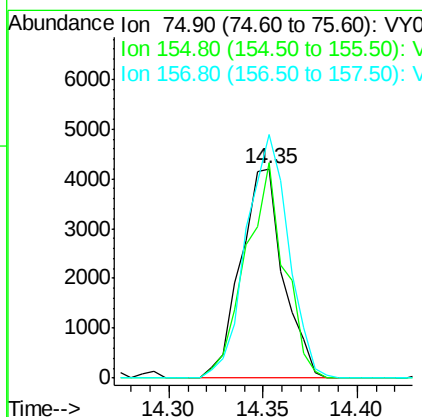
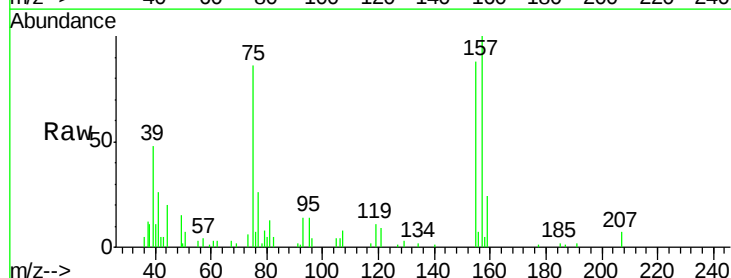
Manual Integrations
 APPROVED

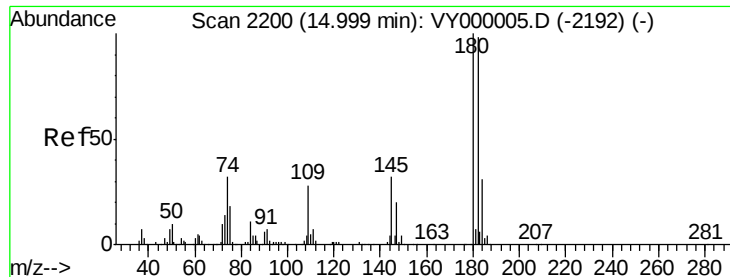
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.951 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000004.D
 Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	41.4	124.2
157	115.2	52.8	158.4





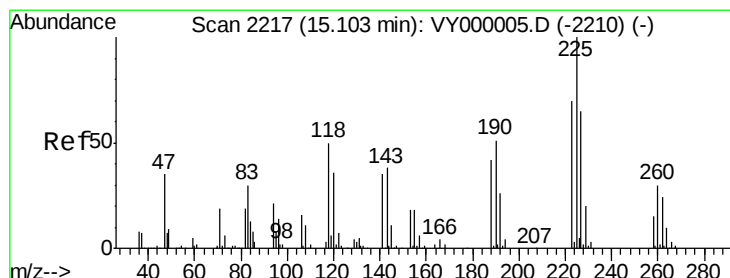
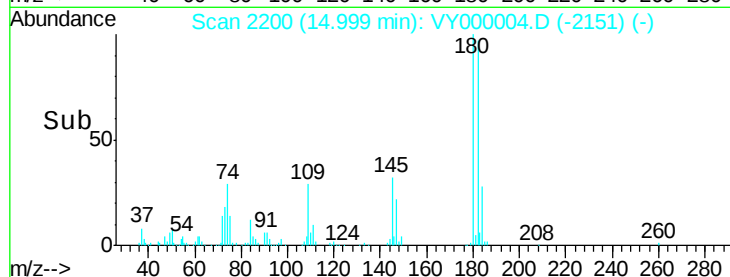
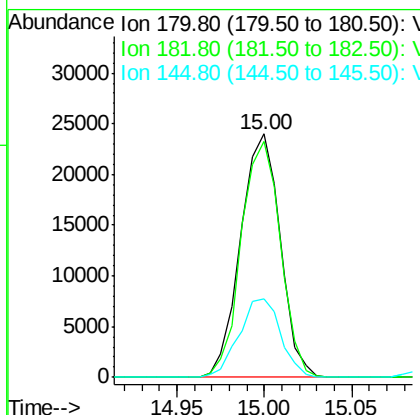
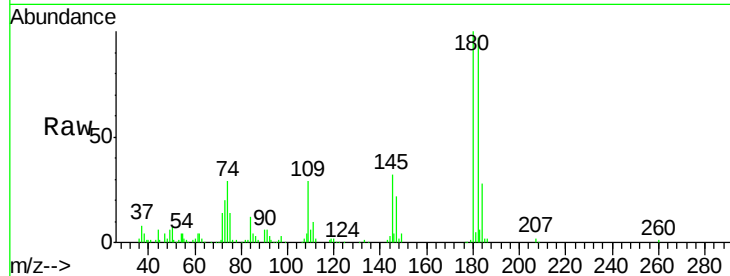
#93
 1,2,4-Trichlorobenzene
 Concen: 18.684 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000004.D
 Acq: 11 Sep 2019 17:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	38153		
182	95.7	48.4	145.2	
145	33.7	17.2	51.6	

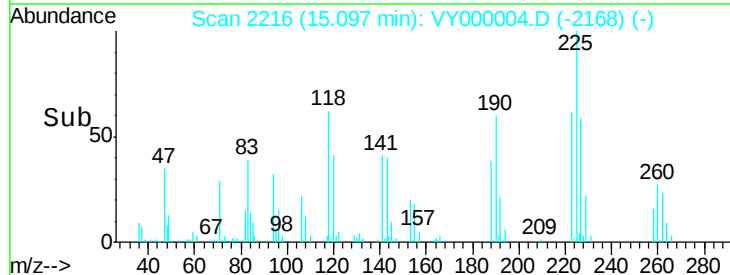
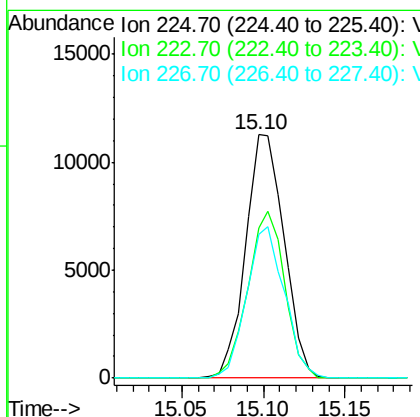
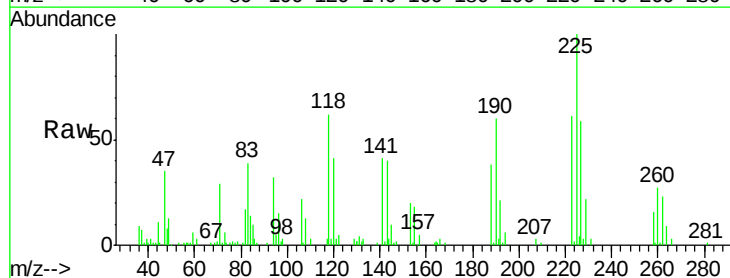
Manual Integrations
 APPROVED

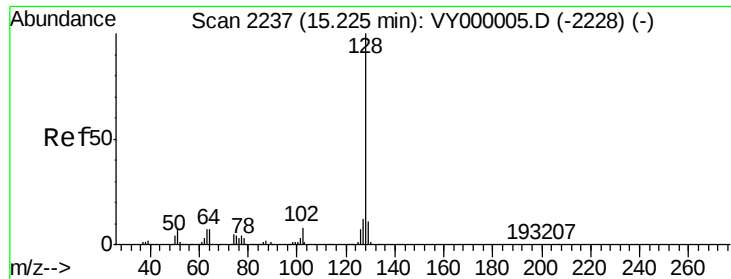
MMDadoda
 9/13/2019 11:51:29 PM



#94
 Hexachlorobutadiene
 Concen: 13.655 ug/l
 RT: 15.10 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: VY000004.D
 Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18501		
223	65.8	32.3	96.8	
227	61.0	31.8	95.4	





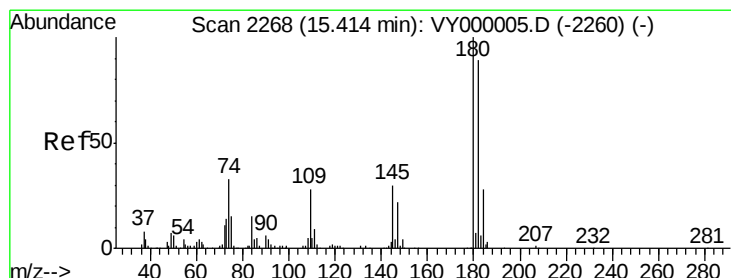
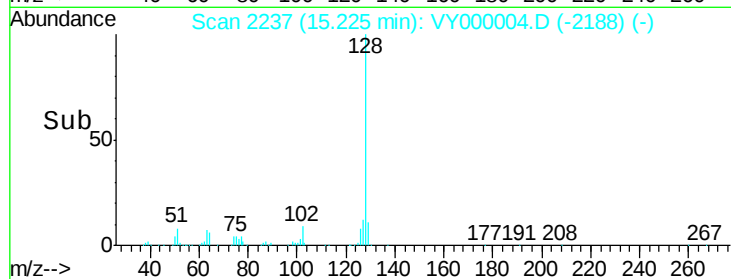
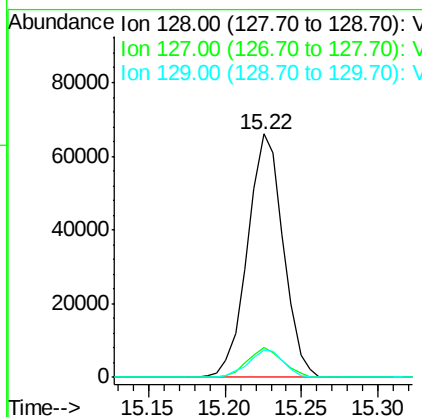
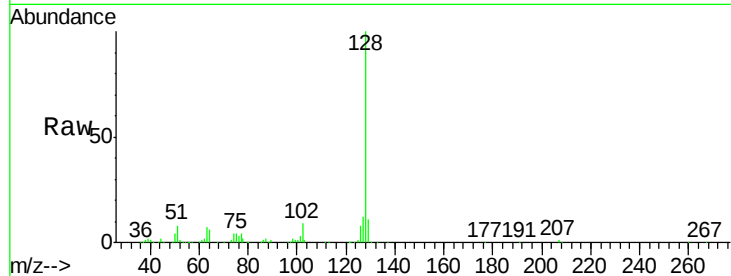
#95
Naphthalene
Concen: 26.259 ug/l
RT: 15.22 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.2	9.8	14.8	
129	11.1	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.255 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VY000004.D
Acq: 11 Sep 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.6	46.1	138.2	
145	36.9	16.2	48.6	

