

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000274.D
 Acq On : 11 Oct 2019 16:39
 Operator : SY/MD
 Sample : VY1011SBSD01
 Misc : 5.00G/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 07:35:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 07:29:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	279575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	462163	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	401016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	195896	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	154112	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	7.74	113	139913	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.19	98	571981	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.48	95	196726	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	57147	23.574	ug/l	94
3) Chloromethane	2.11	50	71139	20.823	ug/l	95
4) Vinyl Chloride	2.25	62	76300	22.130	ug/l	98
5) Bromomethane	2.63	94	57303	23.840	ug/l	99
6) Chloroethane	2.79	64	46088	20.717	ug/l	97
7) Trichlorofluoromethane	3.12	101	97452	20.663	ug/l	97
8) Diethyl Ether	3.53	74	35628	21.384	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	59224	20.706	ug/l	100
10) Methyl Iodide	4.10	142	70938	18.186	ug/l	97
11) Tert butyl alcohol	4.97	59	31505	102.082	ug/l	99
12) 1,1-Dichloroethene	3.88	96	58920	20.867	ug/l	98
13) Acrolein	3.74	56	36630	101.236	ug/l	98
14) Allyl chloride	4.49	41	97519	20.841	ug/l	99
15) Acrylonitrile	5.17	53	92117	98.780	ug/l	95
16) Acetone	3.96	43	88248	92.403	ug/l	95
17) Carbon Disulfide	4.19	76	182943	20.578	ug/l	98
18) Methyl Acetate	4.49	43	48391	20.393	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	159166	20.249	ug/l	99
20) Methylene Chloride	4.72	84	70417	18.453	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	68400	21.114	ug/l	96
22) Diisopropyl ether	6.13	45	202804	20.492	ug/l	96
23) Vinyl Acetate	6.07	43	658934	102.057	ug/l	98
24) 1,1-Dichloroethane	6.03	63	113422	20.996	ug/l	99
25) 2-Butanone	7.00	43	132124	98.208	ug/l	98
26) 2,2-Dichloropropane	6.99	77	100930	20.276	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	74814	21.342	ug/l	96
28) Bromochloromethane	7.35	49	44379	19.137	ug/l	98
29) Tetrahydrofuran	7.36	42	82675	101.401	ug/l	99
30) Chloroform	7.52	83	114514	21.050	ug/l	94
31) Cyclohexane	7.80	56	115307	20.437	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	100162	20.709	ug/l	99
36) 1,1-Dichloropropene	7.92	75	91511	20.224	ug/l	99
37) Ethyl Acetate	7.08	43	54446	20.321	ug/l	99
38) Carbon Tetrachloride	7.91	117	88873	20.285	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	118677	20.039	ug/l	97
40) Benzene	8.17	78	267770	20.477	ug/l	100
41) Methacrylonitrile	7.36	41	74821	58.668	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	76701	20.534	ug/l	97
43) Isopropyl Acetate	8.28	43	100399	19.708	ug/l	98
44) Trichloroethene	8.95	130	75527	20.585	ug/l	99
45) 1,2-Dichloropropane	9.22	63	66271	20.652	ug/l	97
46) Dibromomethane	9.31	93	35979	20.057	ug/l	98
47) Bromodichloromethane	9.50	83	83584	19.771	ug/l	99
48) Methyl methacrylate	9.30	41	43941	19.681	ug/l	95
49) 1,4-Dioxane	9.31	88	10692	397.516	ug/l #	91
51) 4-Methyl-2-Pentanone	10.08	43	260198	99.027	ug/l	100
52) Toluene	10.25	92	166989	20.114	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	92063	20.319	ug/l	92
54) cis-1,3-Dichloropropene	9.94	75	106333	20.666	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	51302	19.669	ug/l	95
56) Ethyl methacrylate	10.52	69	74466	20.030	ug/l	99
57) 1,3-Dichloropropane	10.80	76	92917	20.743	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	152597	102.907	ug/l	100
59) 2-Hexanone	10.83	43	182665	99.042	ug/l	99
60) Dibromochloromethane	10.99	129	58845	20.355	ug/l	97
61) 1,2-Dibromoethane	11.09	107	50233	20.058	ug/l	99
64) Tetrachloroethene	10.72	164	79155	20.734	ug/l	98
65) Chlorobenzene	11.52	112	178178	21.053	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	62733	21.101	ug/l	97
67) Ethyl Benzene	11.59	91	323576	20.625	ug/l	96
68) m/p-Xylenes	11.70	106	247712	41.302	ug/l	99
69) o-Xylene	12.03	106	117297	20.501	ug/l	100
70) Styrene	12.05	104	198107	20.531	ug/l	98
71) Bromoform	12.20	173	35717	20.899	ug/l #	96
73) Isopropylbenzene	12.33	105	313533	20.526	ug/l	99
74) N-amyl acetate	12.14	43	79567	21.218	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	57702	20.120	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	84396	35.036	ug/l #	100
77) Bromobenzene	12.61	156	69598	20.476	ug/l	98
78) n-propylbenzene	12.67	91	380915	20.770	ug/l	100
79) 2-Chlorotoluene	12.76	91	210687	20.802	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	266501	20.807	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	22337	20.289	ug/l	99
82) 4-Chlorotoluene	12.86	91	219328	20.486	ug/l	100
83) tert-Butylbenzene	13.08	119	224831	20.728	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	263456	20.841	ug/l	99
85) sec-Butylbenzene	13.25	105	318624	20.306	ug/l	100
86) p-Isopropyltoluene	13.37	119	283538	20.727	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	137422	20.520	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	140559	20.999	ug/l	98
89) n-Butylbenzene	13.70	91	278887	20.630	ug/l	100
90) Hexachloroethane	13.96	117	51472	20.320	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	126261	20.833	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11213	20.615	ug/l	90

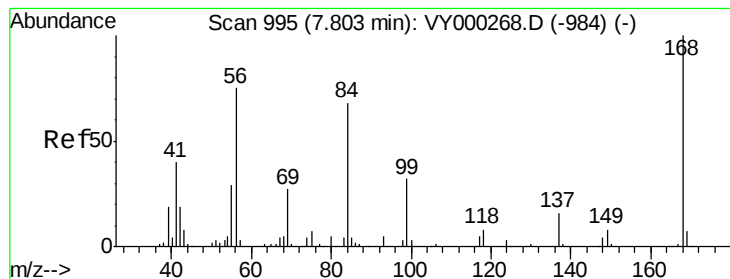
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Quant Title : SW846 8260
QLast Update : Mon Oct 14 07:29:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	87195	20.664	ug/l	99
94) Hexachlorobutadiene	15.11	225	48114	21.070	ug/l	99
95) Naphthalene	15.23	128	192620	20.455	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	78229	20.571	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

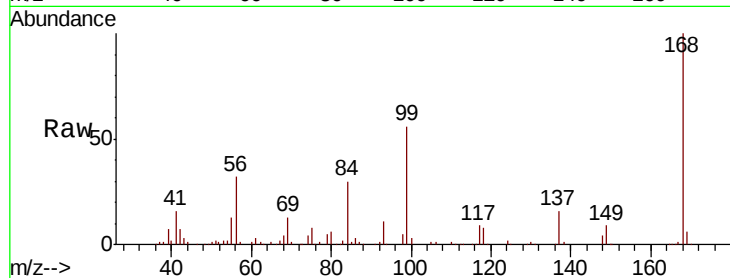
ClientSampled :

Tot Ion:168 Resp: 279575

Ion Ratio Lower Upper

168 100

99 56.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

7.80

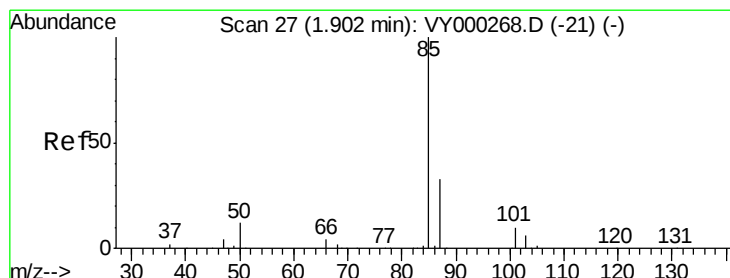
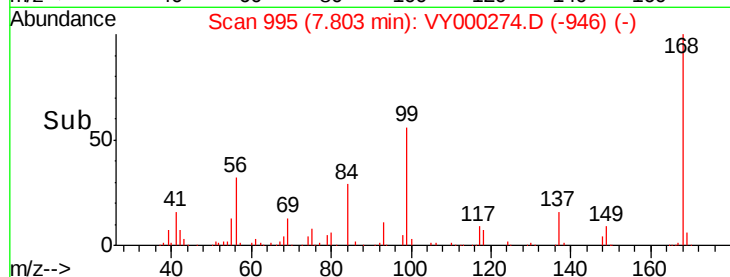
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 23.574 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000274.D

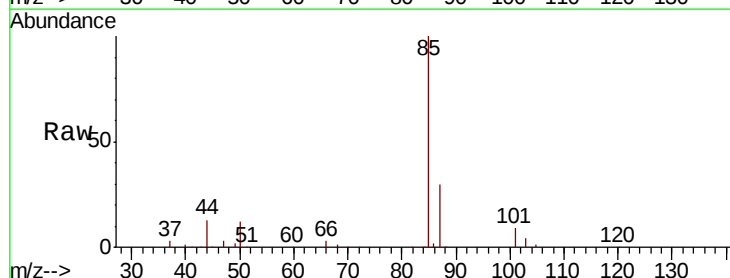
Acq: 11 Oct 2019 16:39

Tgt Ion: 85 Resp: 57147

Ion Ratio Lower Upper

85 100

87 29.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.90

40000

30000

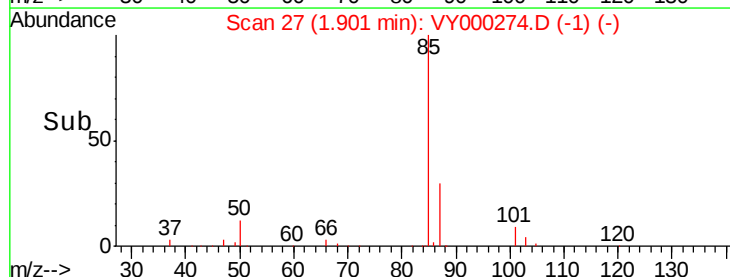
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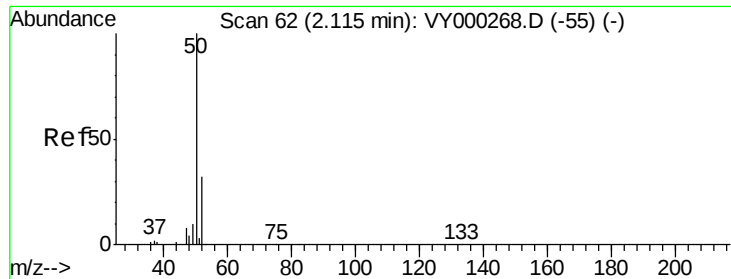
10000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 20.823 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

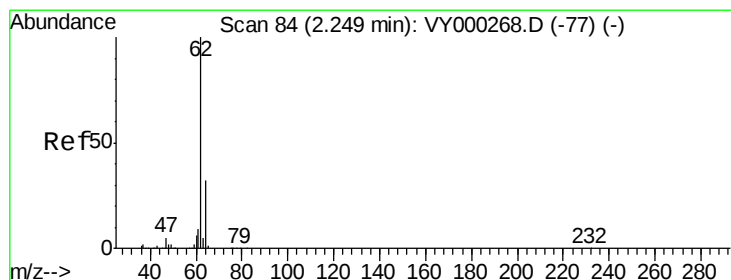
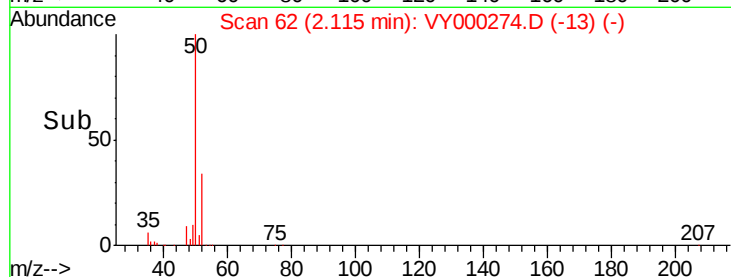
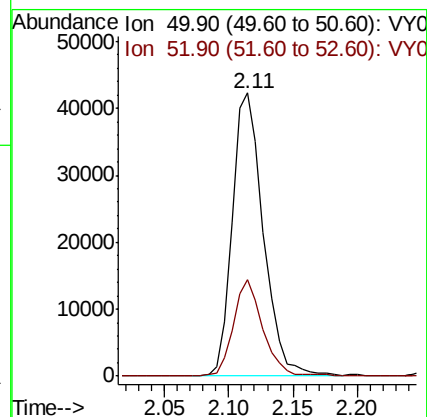
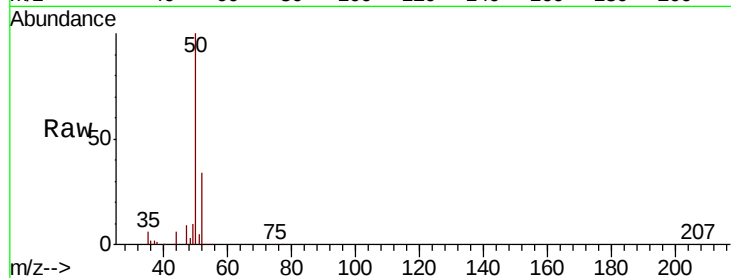
ClientSampleId :

Tot Ion: 50 Resp: 71139

Ion Ratio Lower Upper

50 100

52 34.2 25.3 37.9



#4

Vinyl Chloride

Concen: 22.130 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000274.D

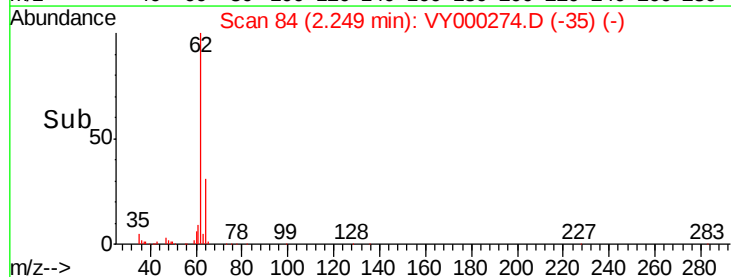
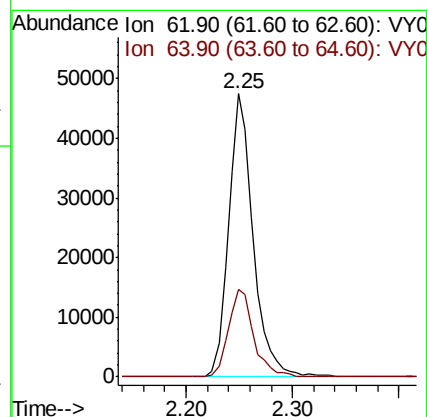
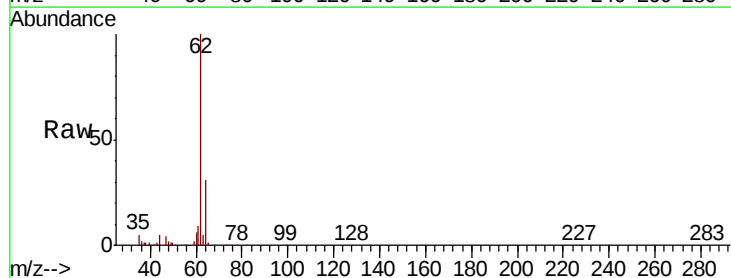
Acq: 11 Oct 2019 16:39

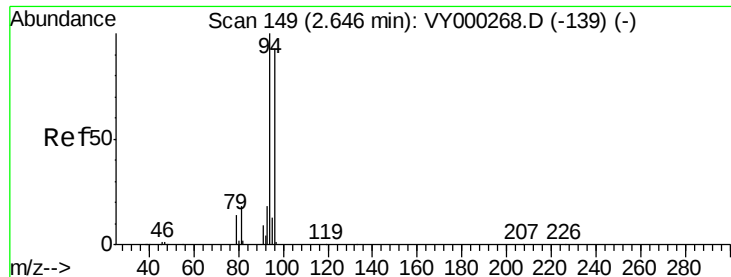
Tgt Ion: 62 Resp: 76300

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4





#5

Bromomethane

Concen: 23.840 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

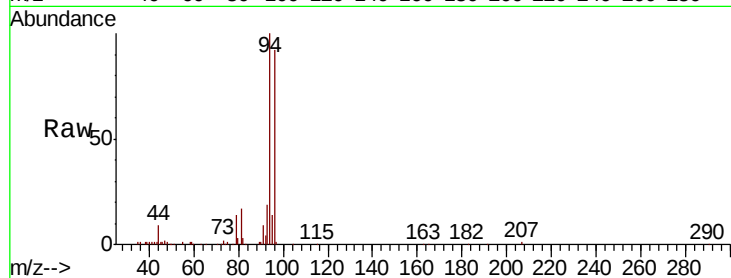
ClientSampleId :

Tot Ion: 94 Resp: 57303

Ion Ratio Lower Upper

94 100

96 92.1 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.63

25000

20000

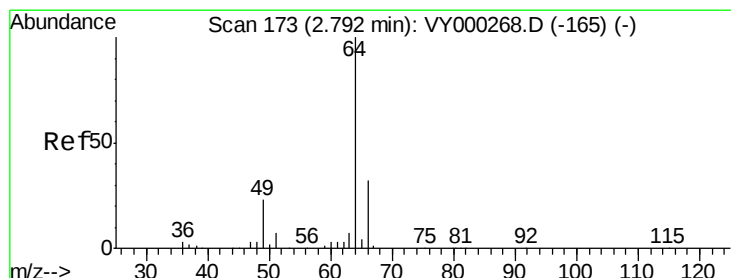
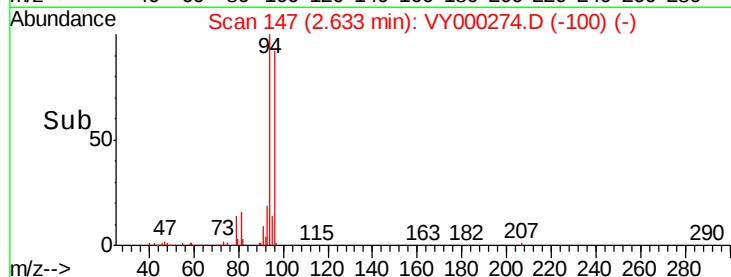
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.717 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000274.D

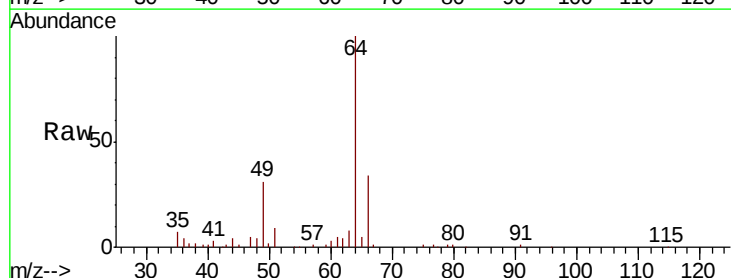
Acq: 11 Oct 2019 16:39

Tgt Ion: 64 Resp: 46088

Ion Ratio Lower Upper

64 100

66 33.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

20000

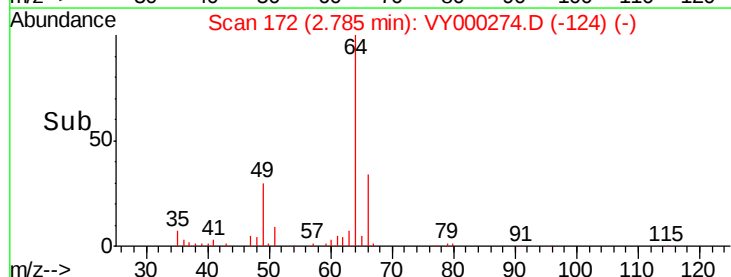
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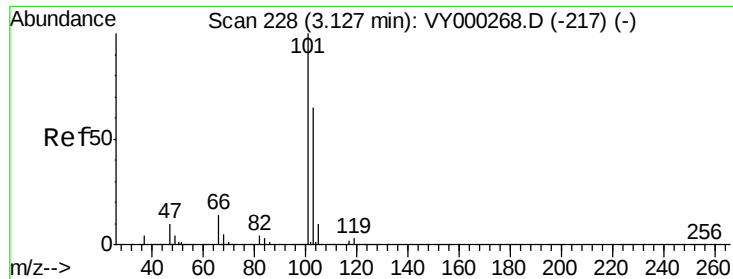
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5000

0

Time-->



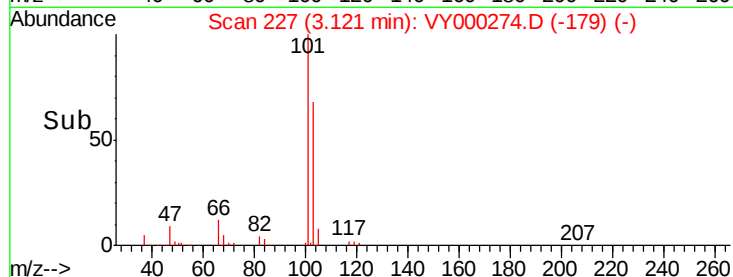
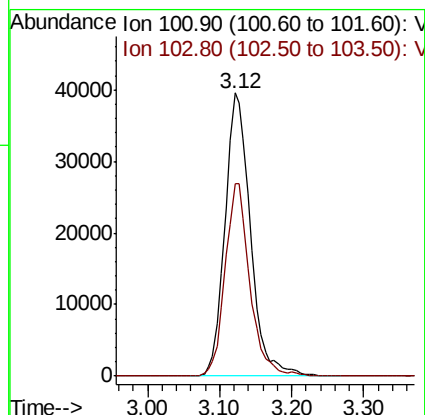
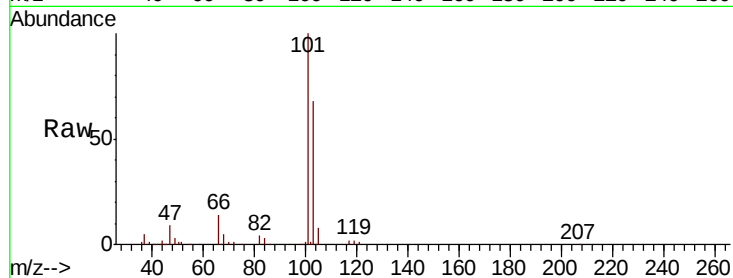


#7

Trichlorofluoromethane
 Concen: 20.663 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Instrument :
 MSVOA_Y
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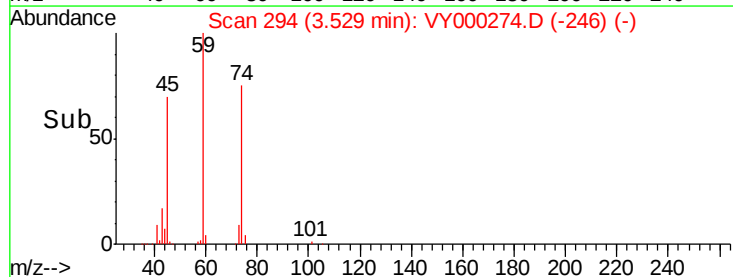
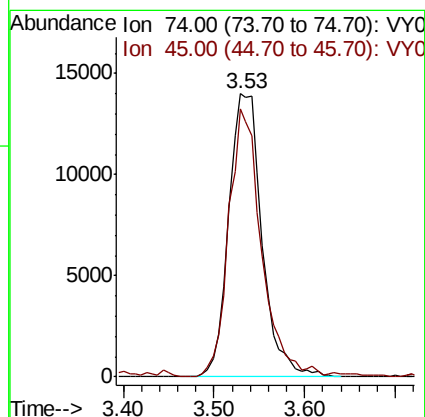
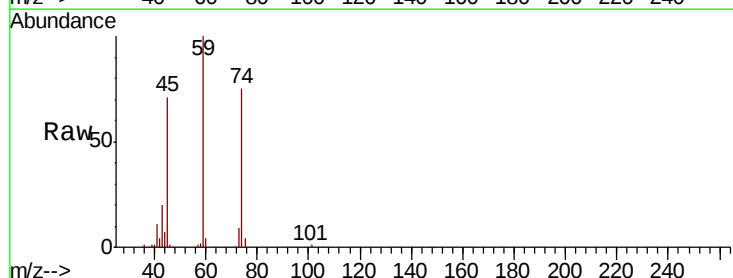
Tot Ion:101 Resp: 97452
 Ion Ratio Lower Upper
 101 100
 103 67.9 52.2 78.4

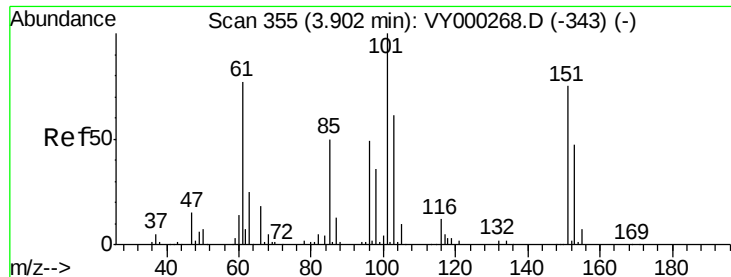


#8

Diethyl Ether
 Concen: 21.384 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion: 74 Resp: 35628
 Ion Ratio Lower Upper
 74 100
 45 93.4 47.1 141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.706 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampled :

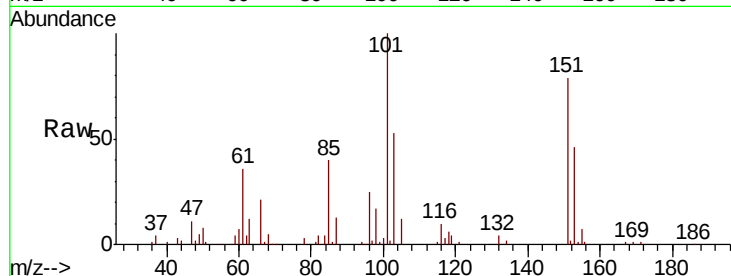
Tot Ion:101 Resp: 59224

Ion Ratio Lower Upper

101 100

85 46.7 36.6 55.0

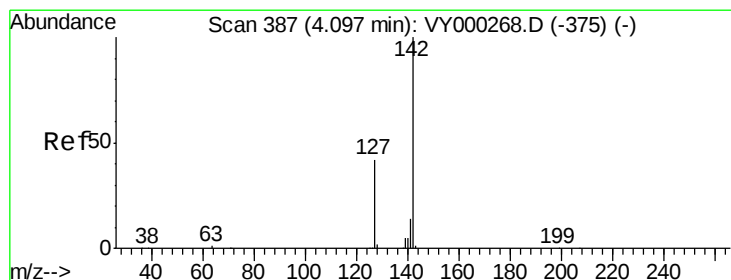
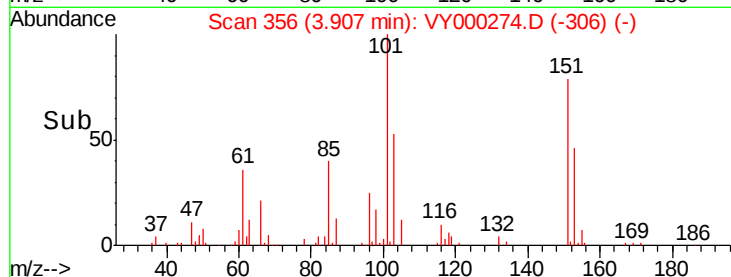
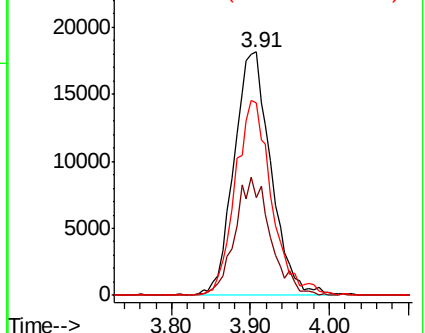
151 78.9 63.1 94.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.186 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

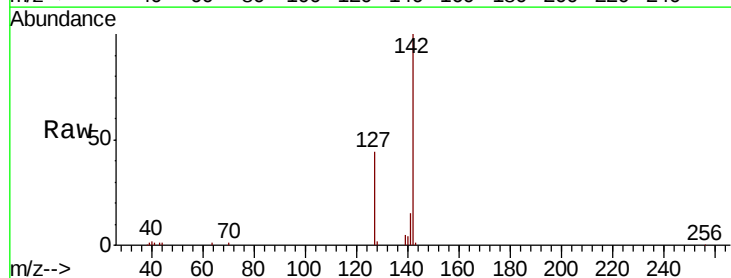
Tgt Ion:142 Resp: 70938

Ion Ratio Lower Upper

142 100

127 40.3 33.9 50.9

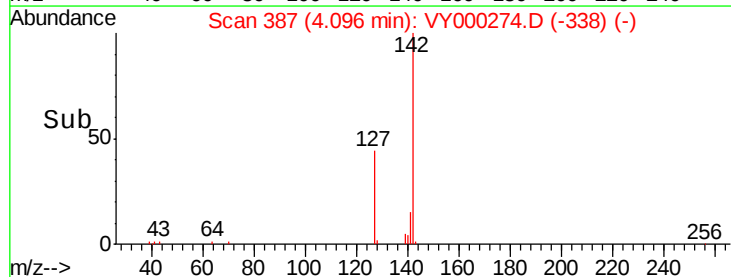
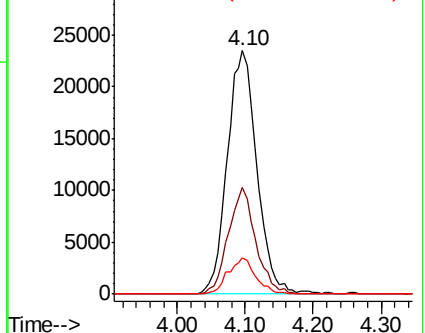
141 13.7 11.2 16.8

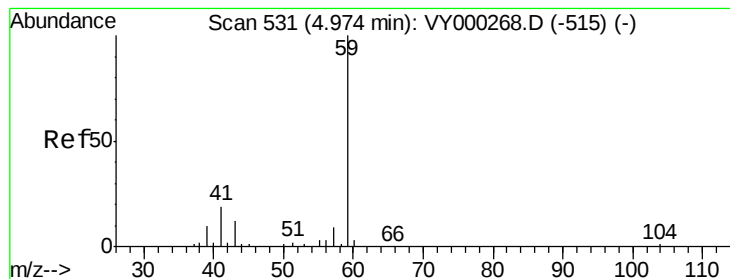


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



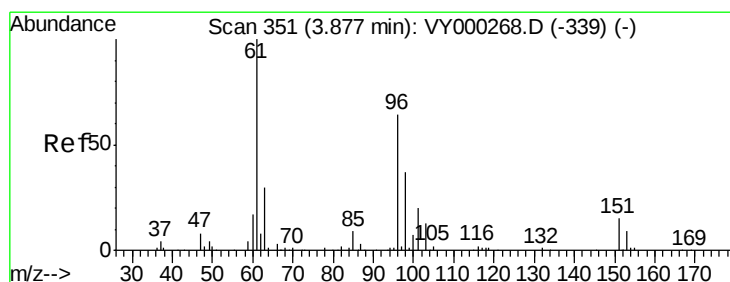
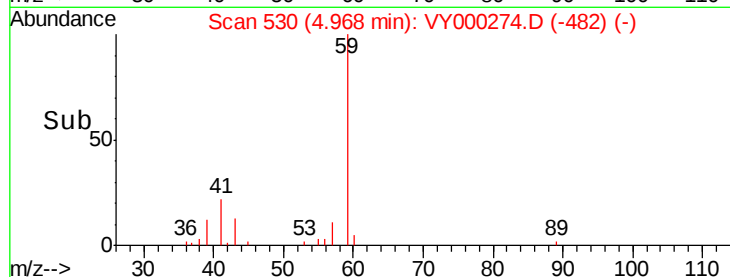
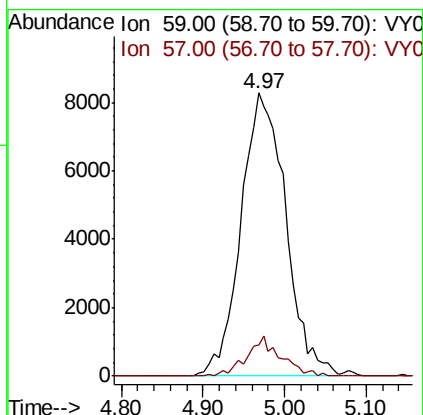
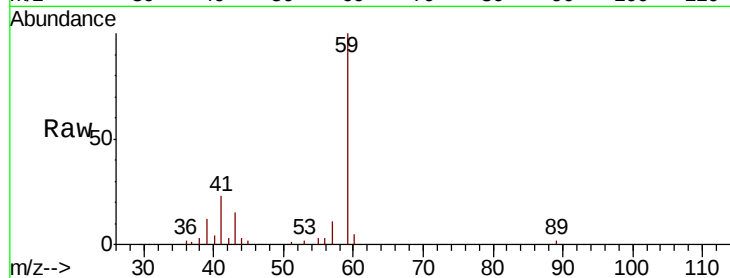


#11

Tert butyl alcohol
 Concen: 102.082 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :

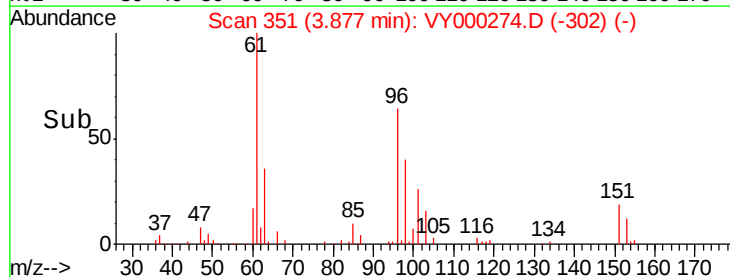
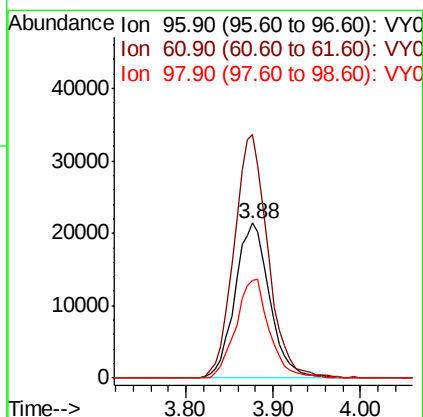
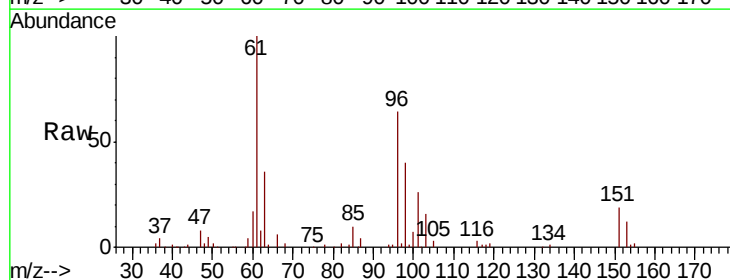
Tot Ion: 59 Resp: 31505
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.2

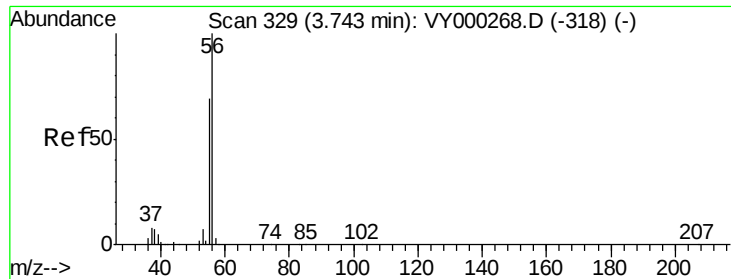


#12

1,1-Dichloroethene
 Concen: 20.867 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion: 96 Resp: 58920
 Ion Ratio Lower Upper
 96 100
 61 157.0 125.8 188.6
 98 63.2 46.2 69.2





#13

Acrolein

Concen: 101.236 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

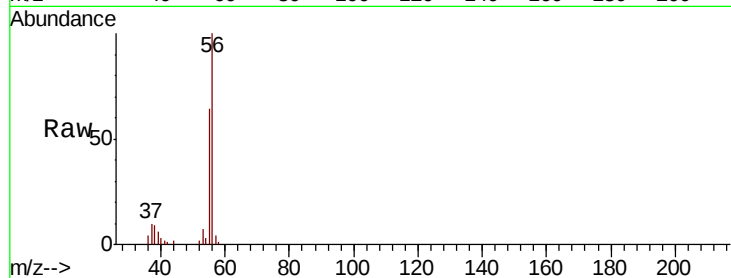
ClientSampleId :

Tot Ion: 56 Resp: 36630

Ion Ratio Lower Upper

56 100

55 71.3 55.7 83.5



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

15000

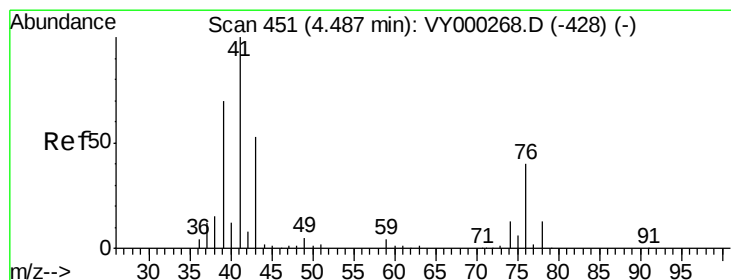
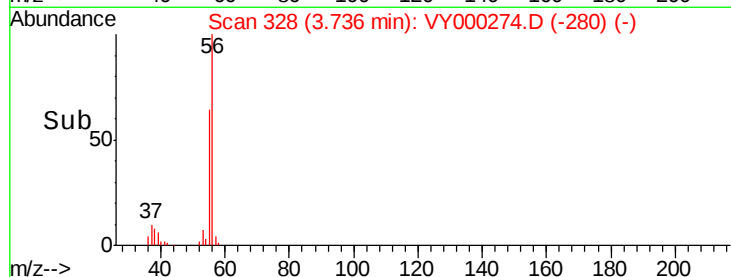
10000

5000

0

3.70 3.74 3.80

Time-->



#14

Allyl chloride

Concen: 20.841 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

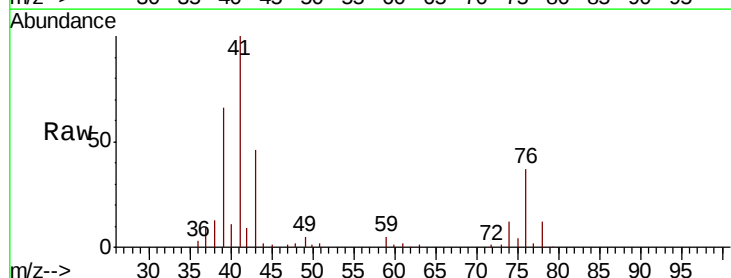
Tgt Ion: 41 Resp: 97519

Ion Ratio Lower Upper

41 100

39 68.3 54.0 81.0

76 37.1 30.7 46.1



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

40000

30000

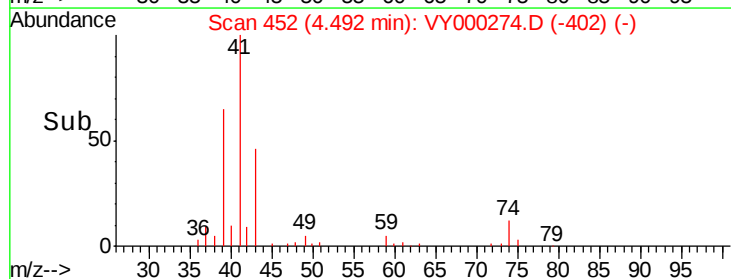
20000

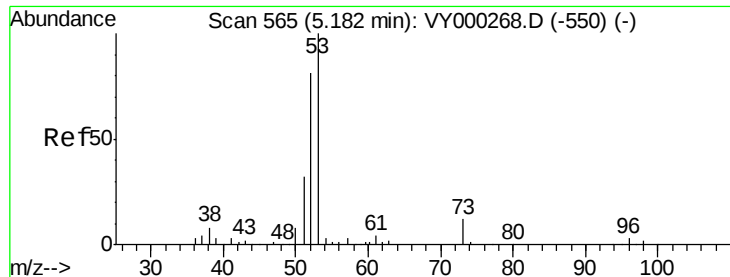
10000

0

4.30 4.40 4.49 4.60 4.70

Time-->





#15

Acrylonitrile

Concen: 98.780 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

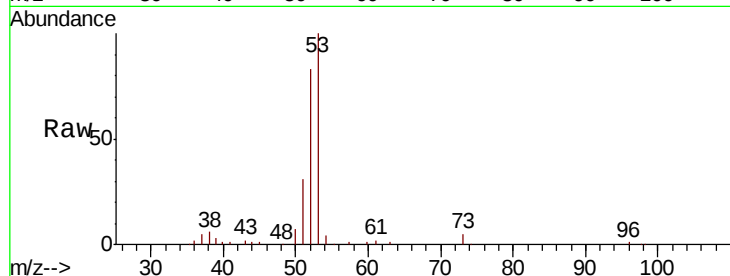
Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 53 Resp: 92117

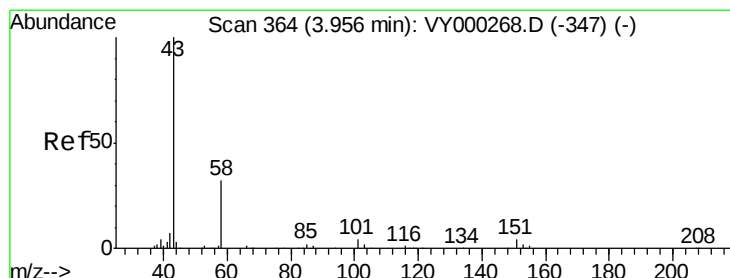
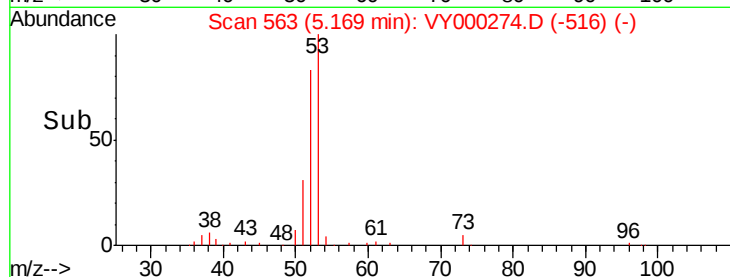
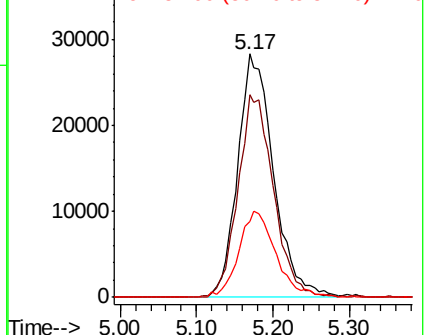
Ion	Ratio	Lower	Upper
53	100		
52	82.2	62.9	94.3
51	36.8	26.9	40.3



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 92.403 ug/l

RT: 3.96 min Scan# 364

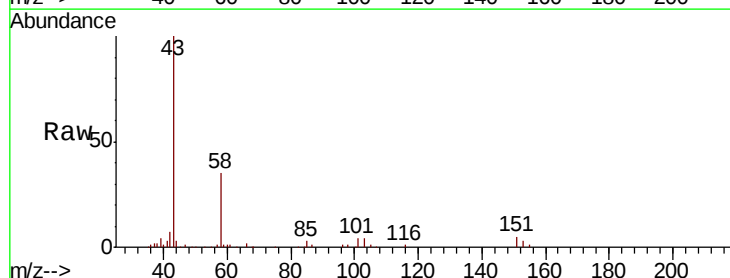
Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

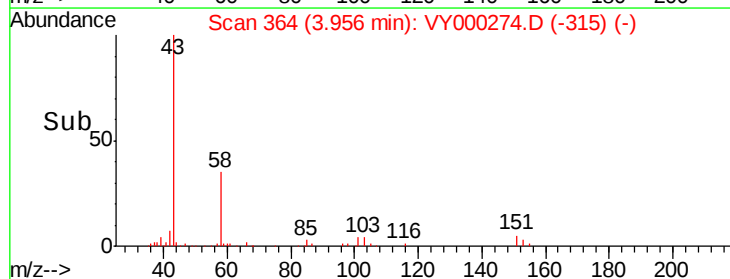
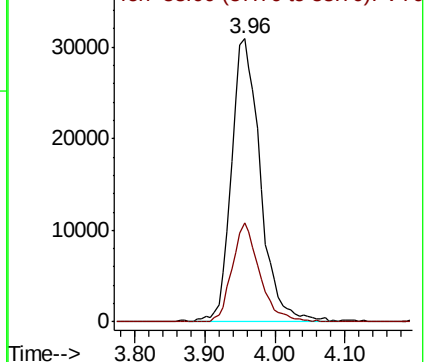
Tgt Ion: 43 Resp: 88248

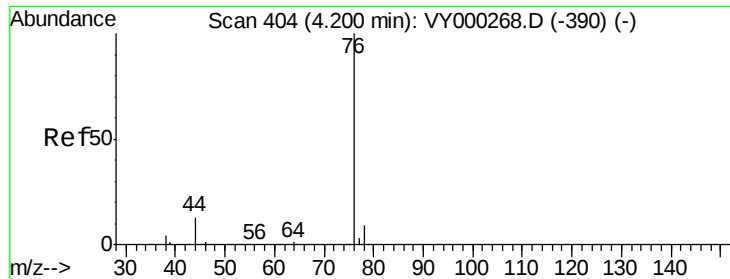
Ion	Ratio	Lower	Upper
43	100		
58	35.1	25.8	38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

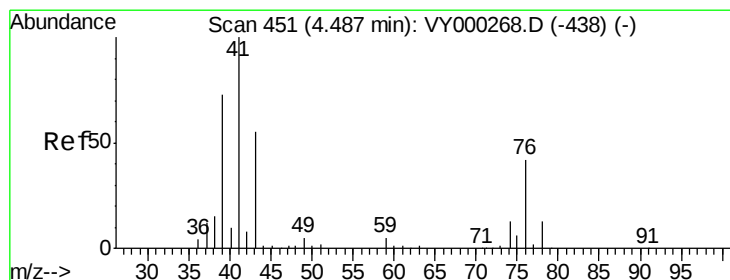
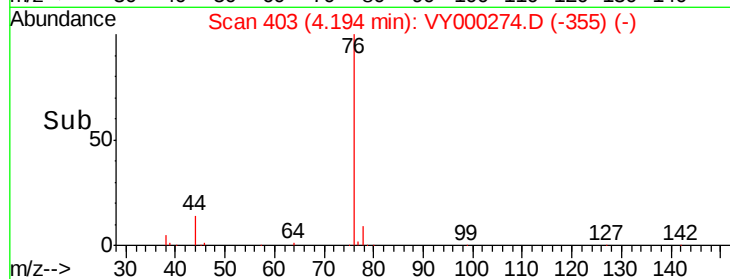
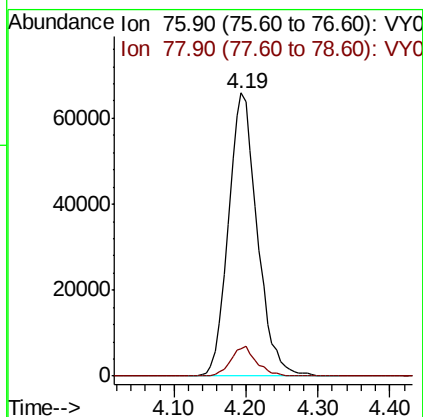
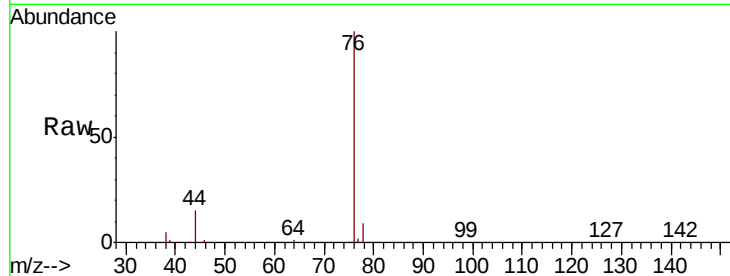




#17
Carbon Disulfide
Concen: 20.578 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

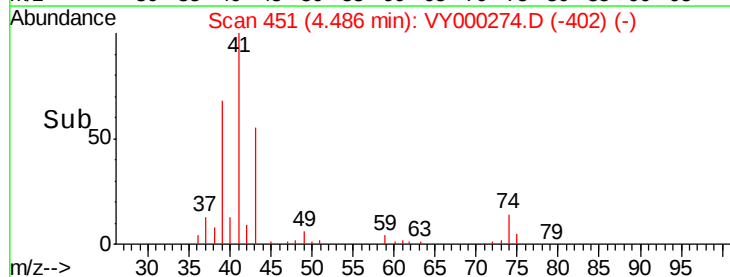
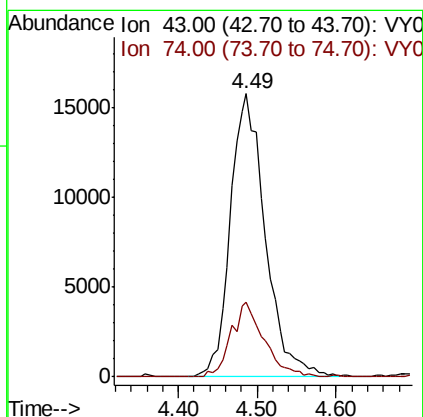
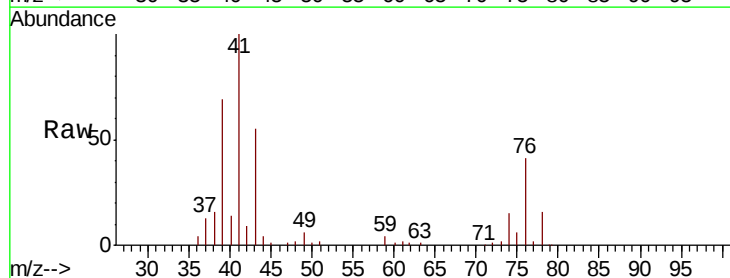
Instrument :
MSVOA_Y
ClientSampleId :

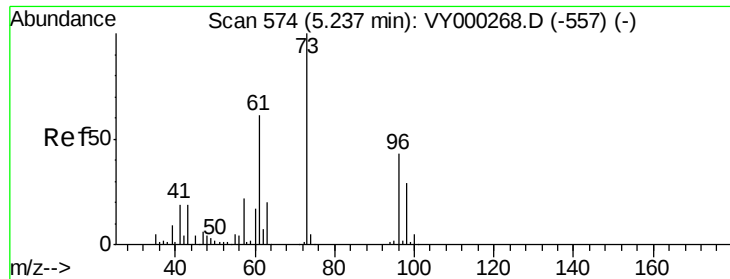
Tot Ion: 76 Resp: 182943
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4



#18
Methyl Acetate
Concen: 20.393 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion: 43 Resp: 48391
Ion Ratio Lower Upper
43 100
74 25.0 20.4 30.6

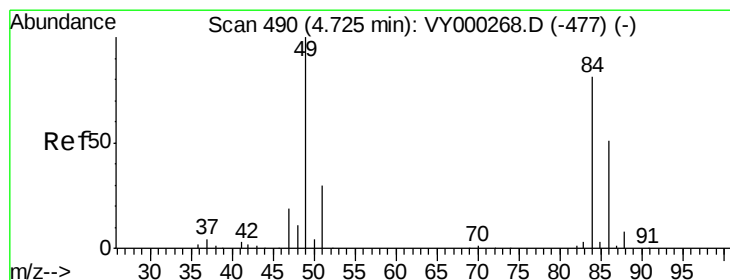
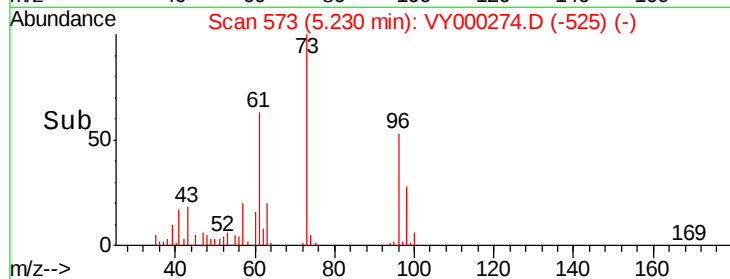
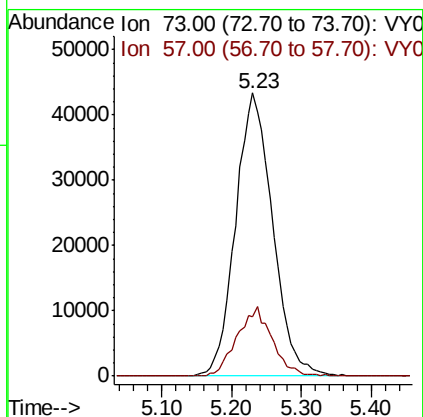
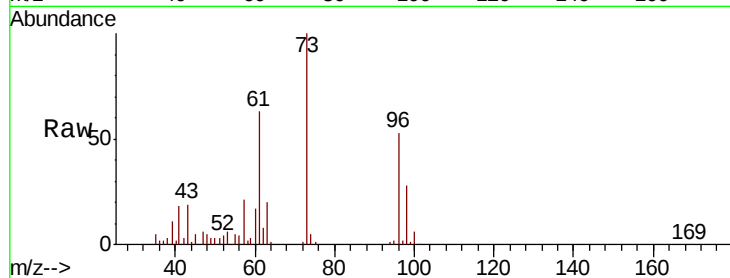




#19
Methvl tert-butvl Ether
Concen: 20.249 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

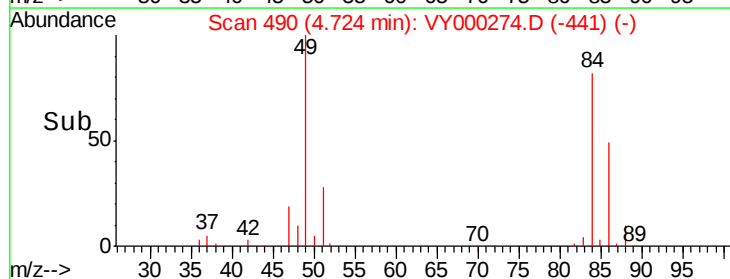
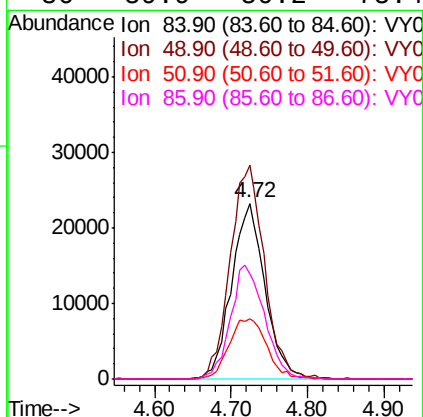
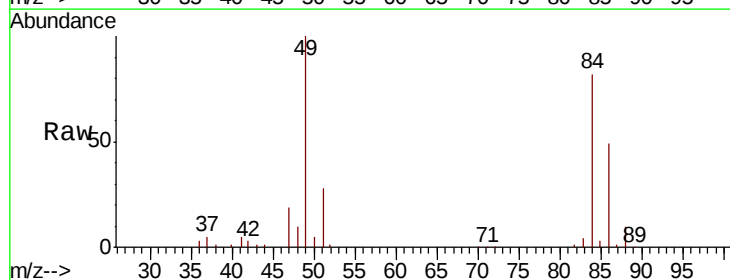
Instrument :
MSVOA_Y
ClientSampleId :

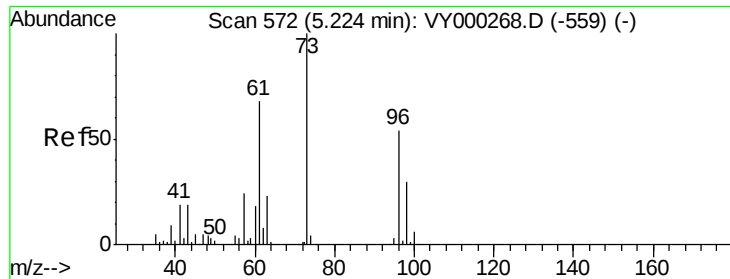
Tot Ion: 73 Resp: 159166
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.0



#20
Methylene Chloride
Concen: 18.453 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion: 84 Resp: 70417
Ion Ratio Lower Upper
84 100
49 121.5 99.0 148.4
51 34.1 29.3 43.9
86 59.9 50.2 75.4

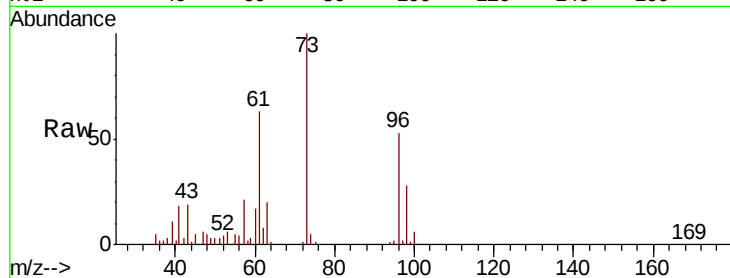




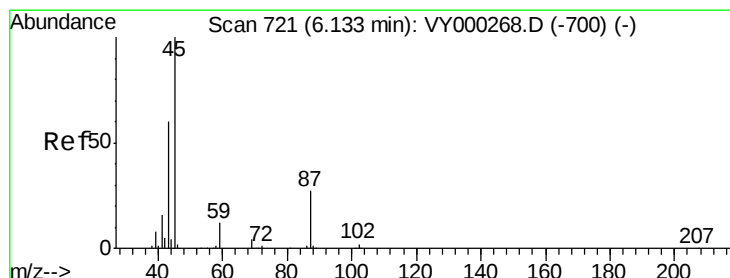
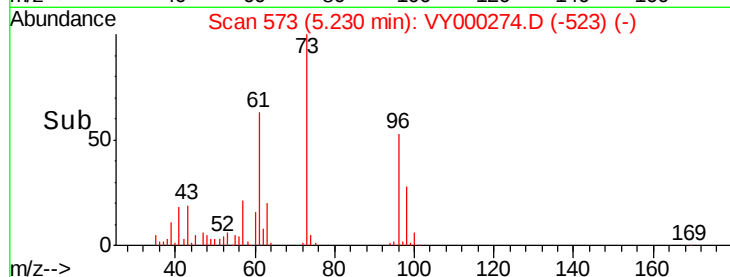
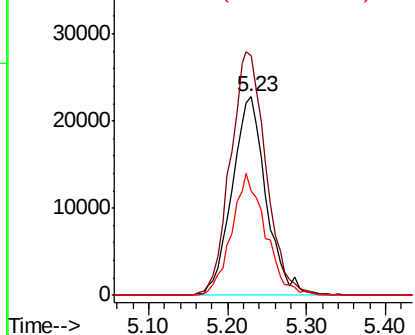
#21
trans-1,2-Dichloroethene
Concen: 21.114 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 96 Resp: 68400
Ion Ratio Lower Upper
96 100
61 120.7 100.4 150.6
98 52.7 44.6 66.8

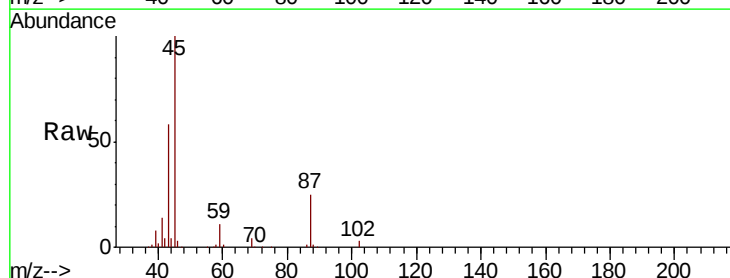


Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0

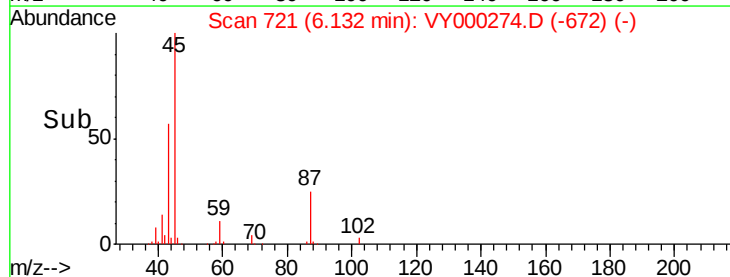
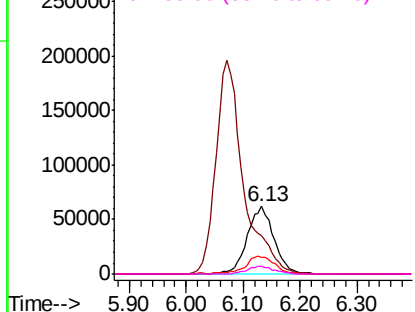


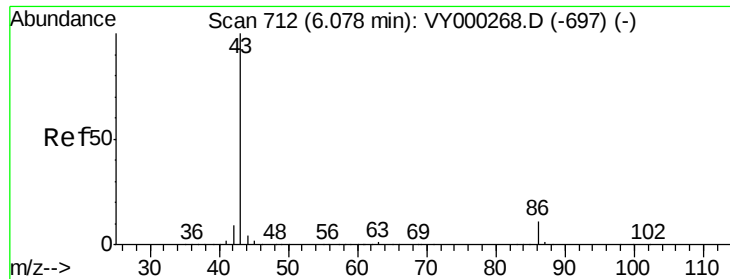
#22
Diisopropyl ether
Concen: 20.492 ug/l
RT: 6.13 min Scan# 721
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion: 45 Resp: 202804
Ion Ratio Lower Upper
45 100
43 57.2 48.5 72.7
87 24.6 21.5 32.3
59 11.3 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0

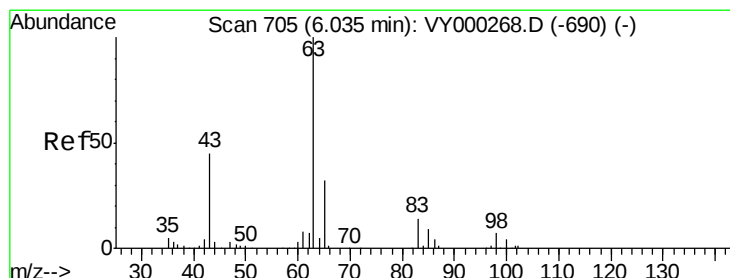
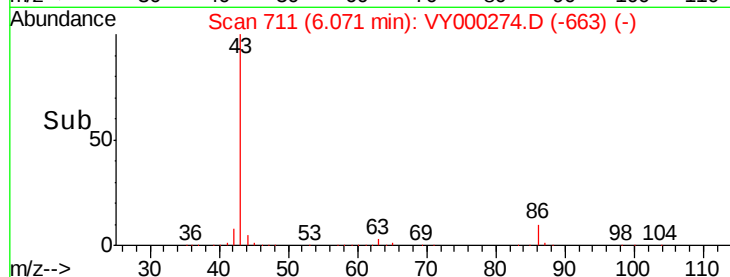
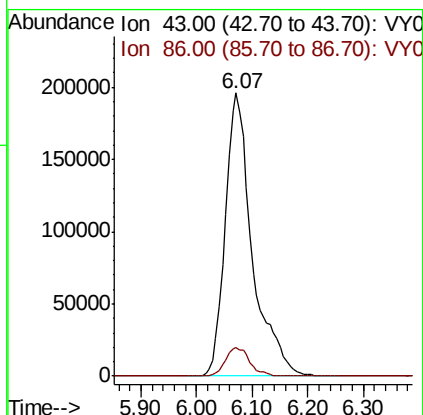
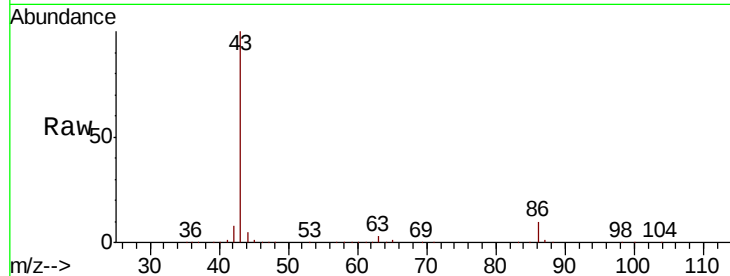




#23
 Vinyl Acetate
 Concen: 102.057 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

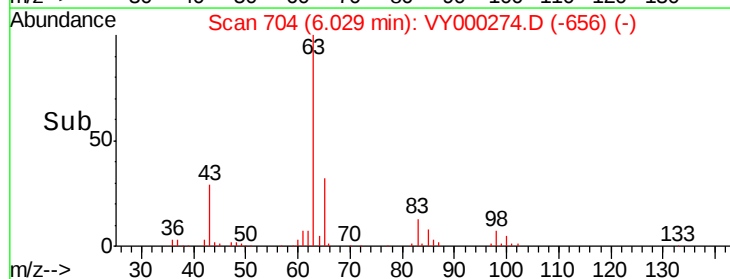
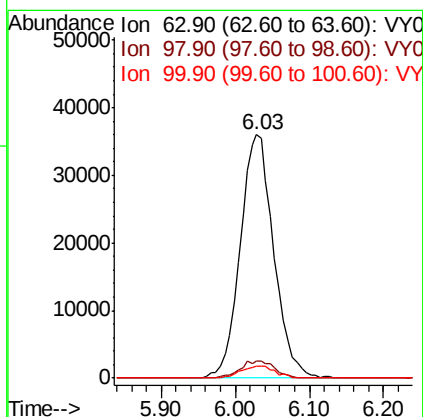
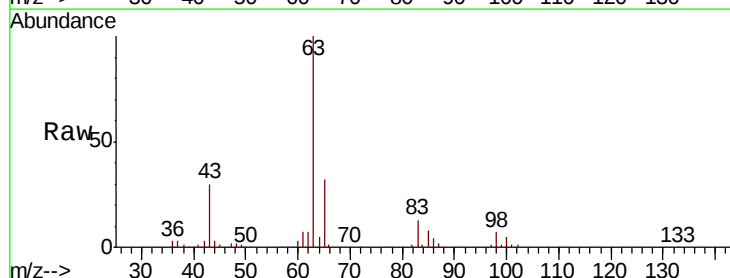
Instrument :
 MSVOA_Y
 ClientSampleId :

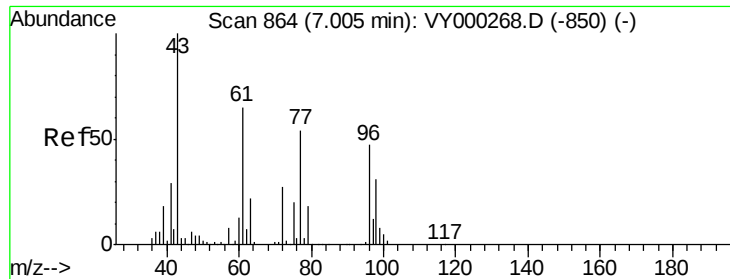
Tot Ion: 43 Resp: 658934
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.996 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion: 63 Resp: 113422
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.4
 100 4.7 2.1 6.2





#25

2-Butanone

Concen: 98.208 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

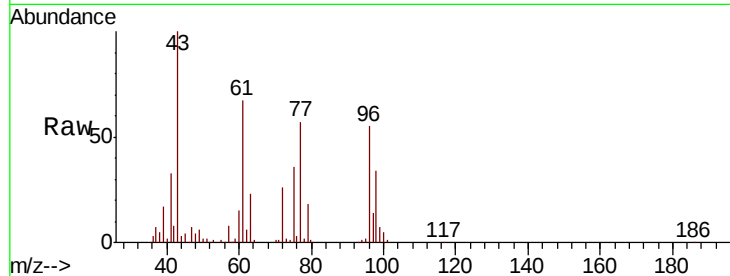
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 132124

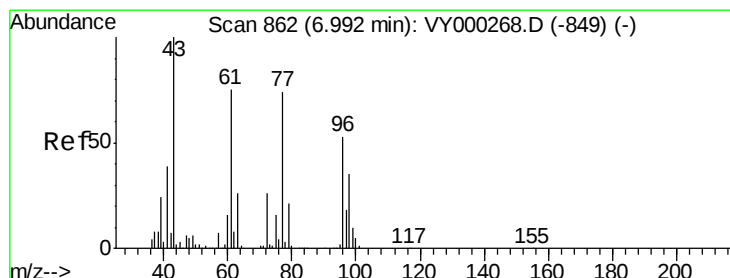
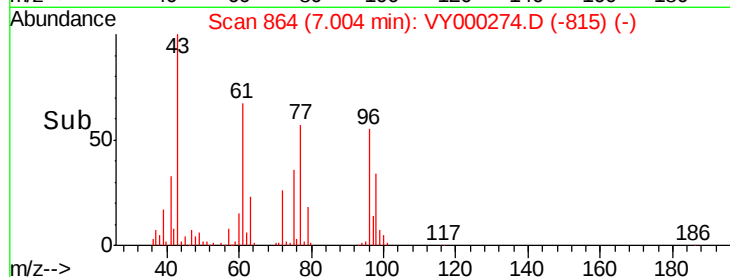
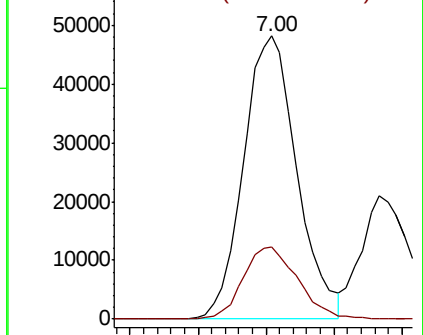
Ion Ratio Lower Upper

43 100

72 25.7 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.276 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000274.D

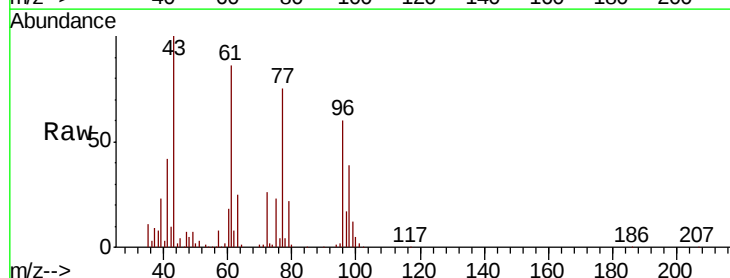
Acq: 11 Oct 2019 16:39

Tgt Ion: 77 Resp: 100930

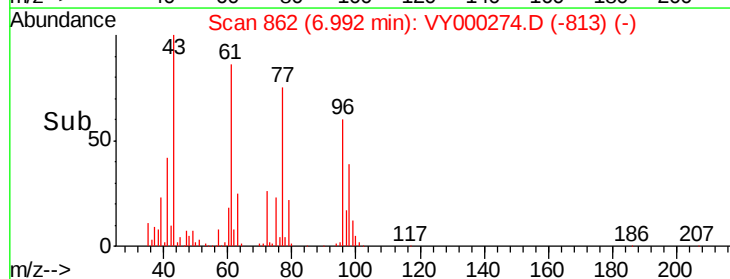
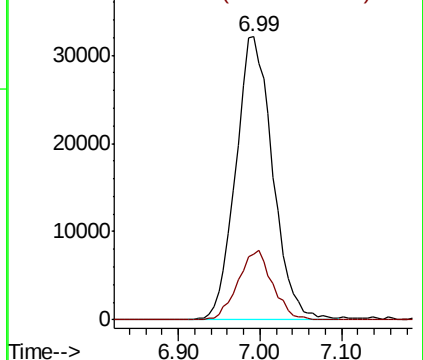
Ion Ratio Lower Upper

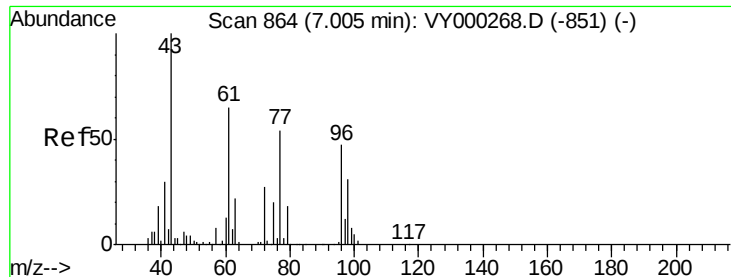
77 100

97 22.9 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0
Ion 96.90 (96.60 to 97.60): VY0



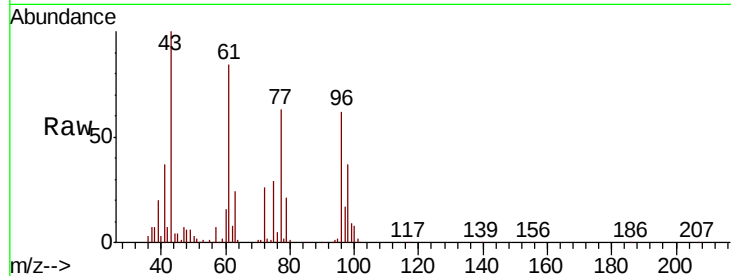


#27

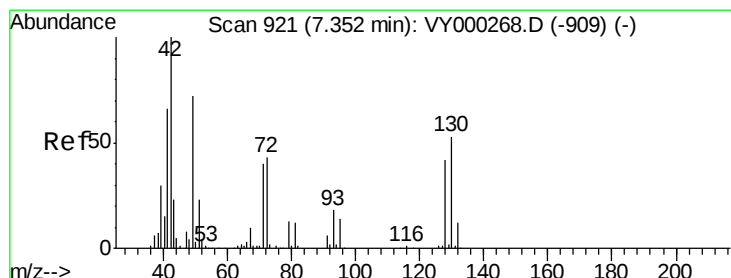
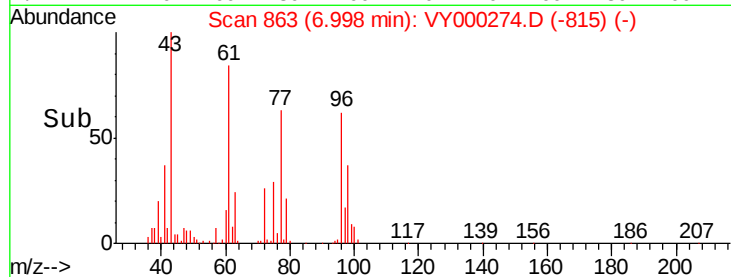
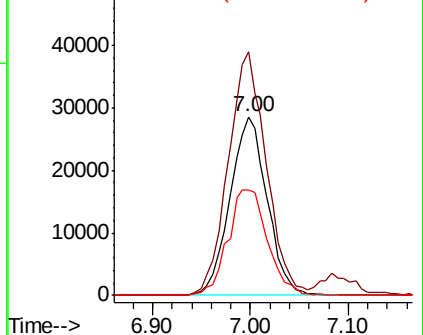
cis-1,2-Dichloroethene
Concen: 21.342 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 74814
Ion Ratio Lower Upper
96 100
61 139.8 0.0 289.8
98 63.5 0.0 131.8



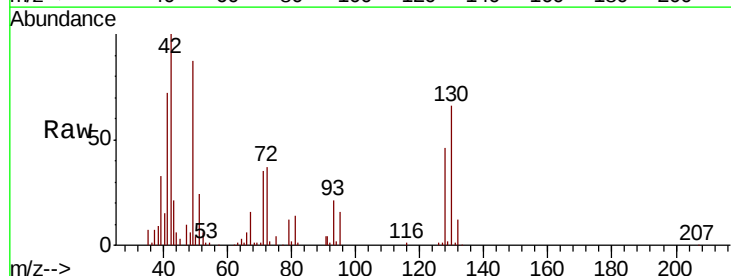
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



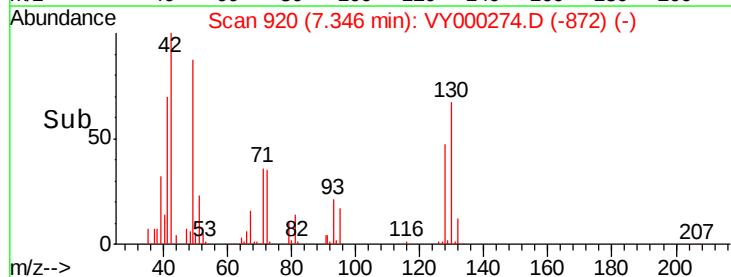
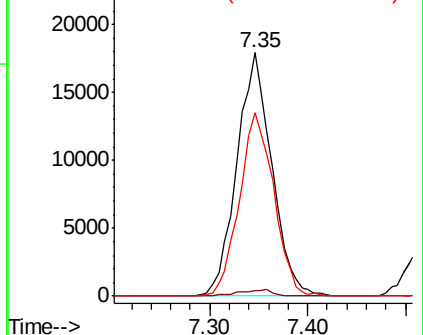
#28

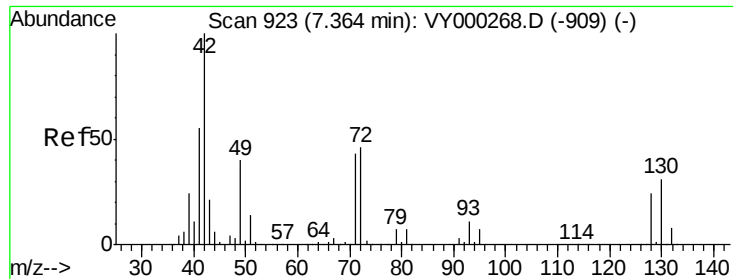
Bromochloromethane
Concen: 19.137 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion: 49 Resp: 44379
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.0
130 74.3 58.2 87.2



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0

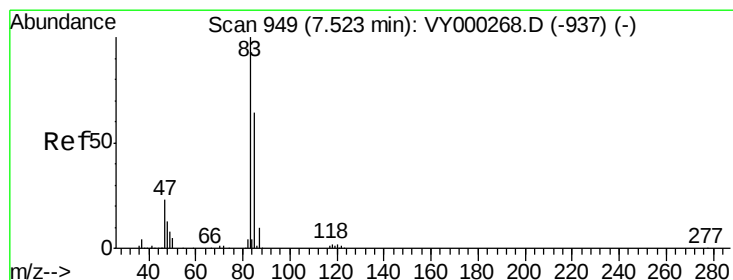
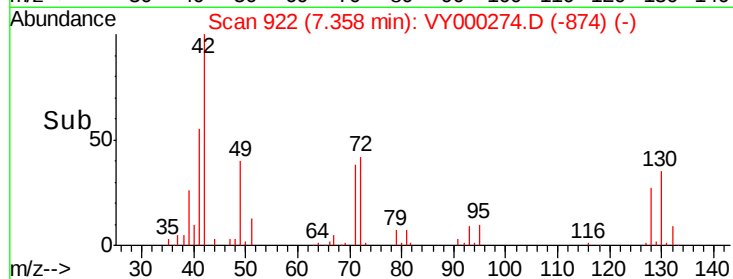
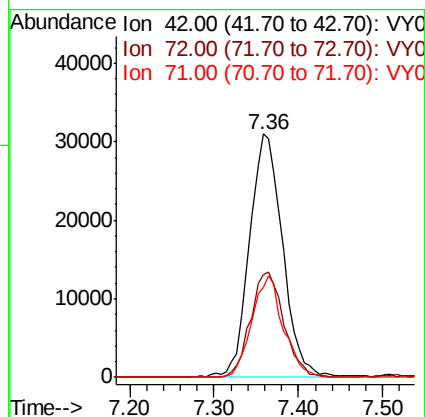
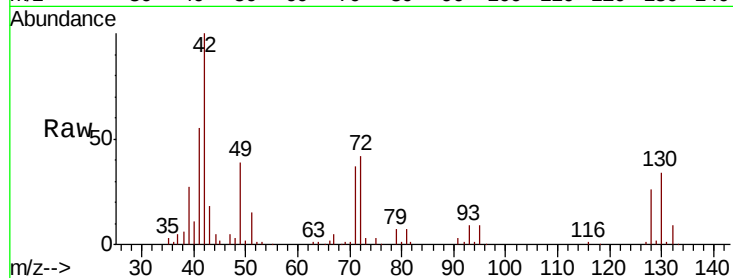




#29
Tetrahydrofuran
Concen: 101.401 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

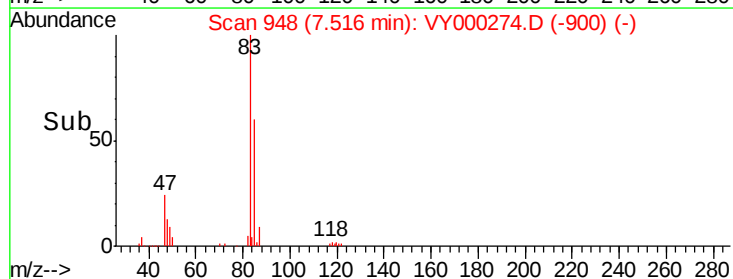
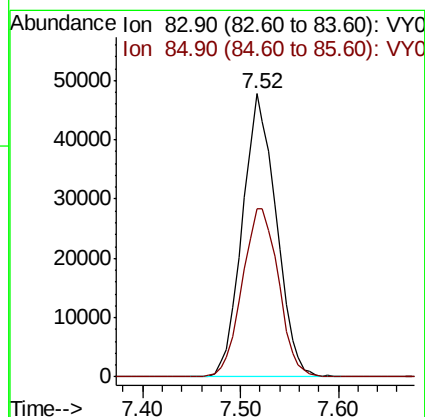
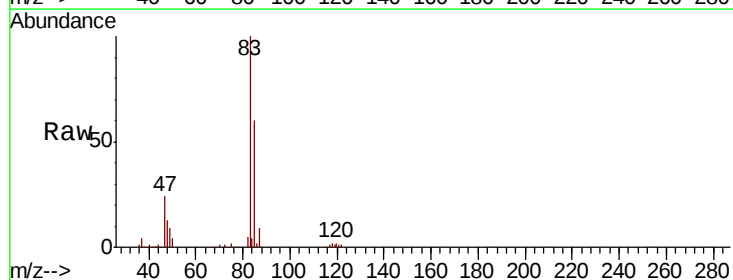
Instrument :
MSVOA_Y
ClientSampled :

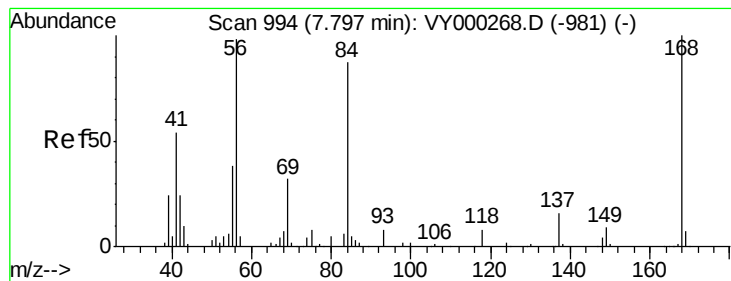
Tot Ion: 42 Resp: 82675
Ion Ratio Lower Upper
42 100
72 43.7 34.5 51.7
71 39.7 32.7 49.1



#30
Chloroform
Concen: 21.050 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion: 83 Resp: 114514
Ion Ratio Lower Upper
83 100
85 59.6 51.4 77.2





#31

Cyclohexane

Concen: 20.437 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :

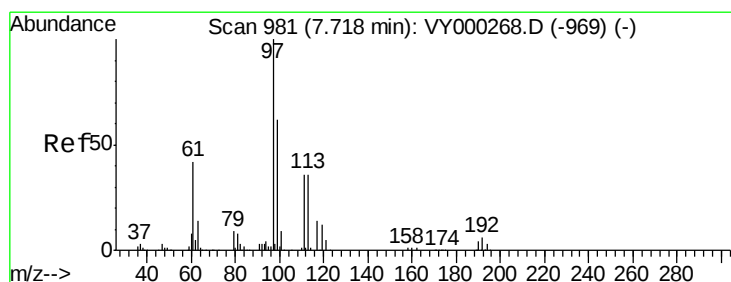
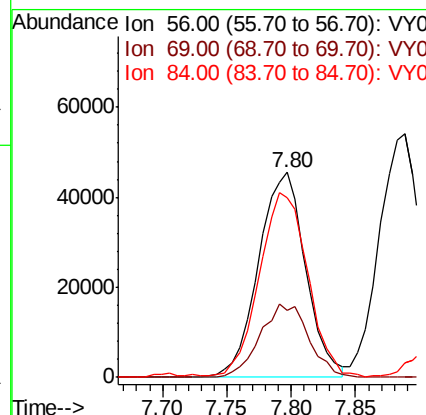
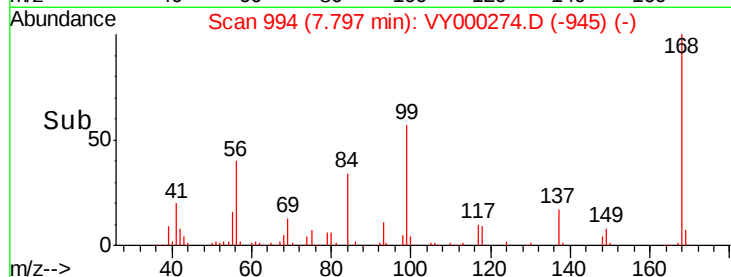
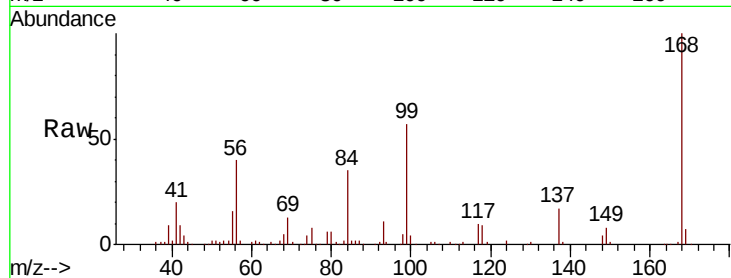
Tot Ion: 56 Resp: 115307

Ion Ratio Lower Upper

56 100

69 32.5 26.3 39.5

84 86.2 70.8 106.2



#32

1,1,1-Trichloroethane

Concen: 20.709 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

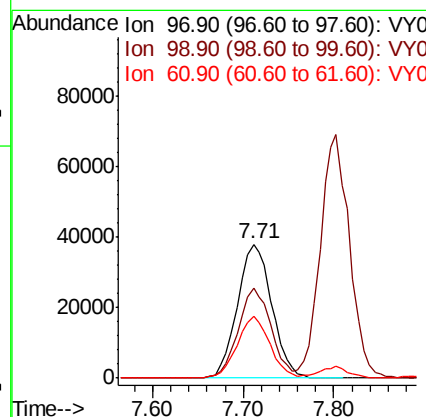
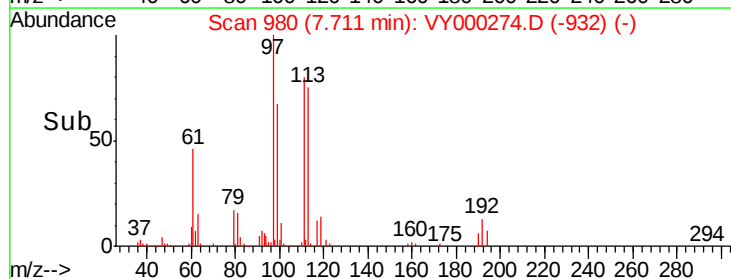
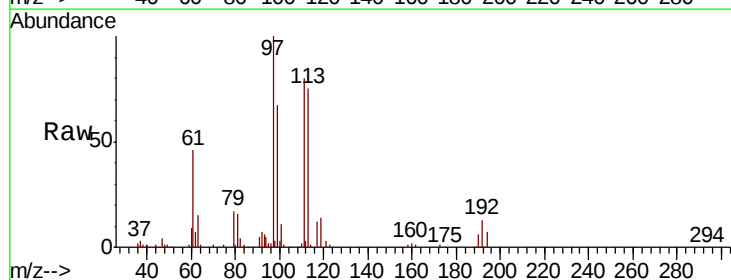
Tgt Ion: 97 Resp: 100162

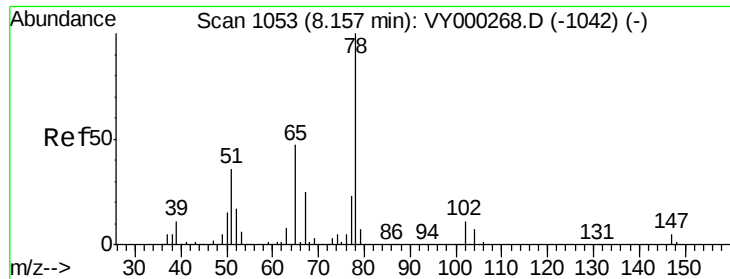
Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

61 43.5 34.5 51.7

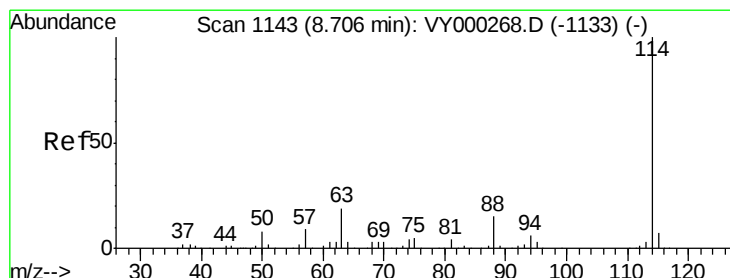
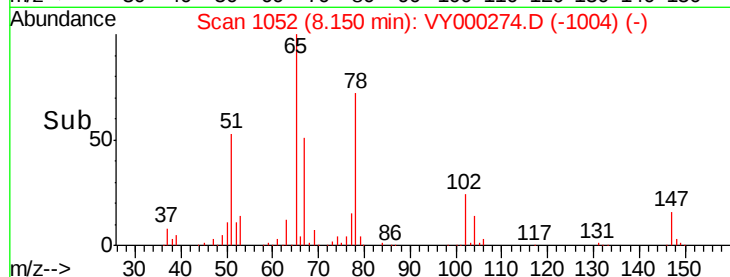
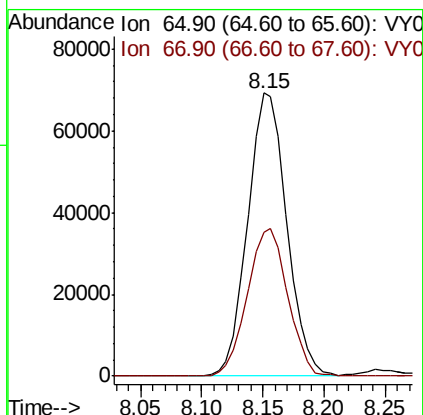
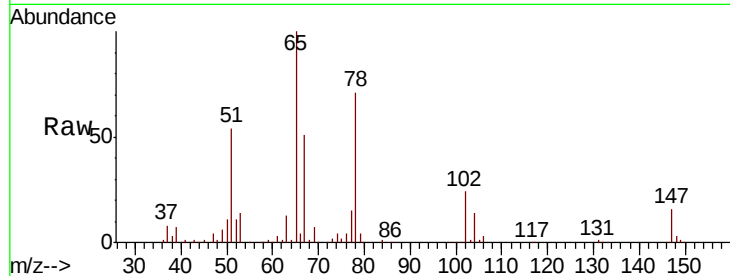




#33
 1,2-Dichloroethane-d4
 Concen: 52.258 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

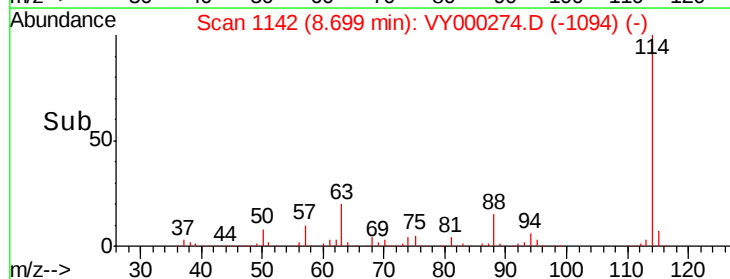
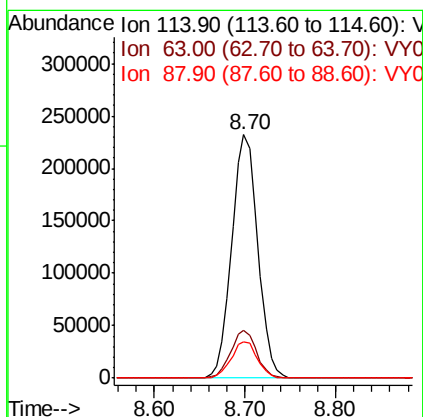
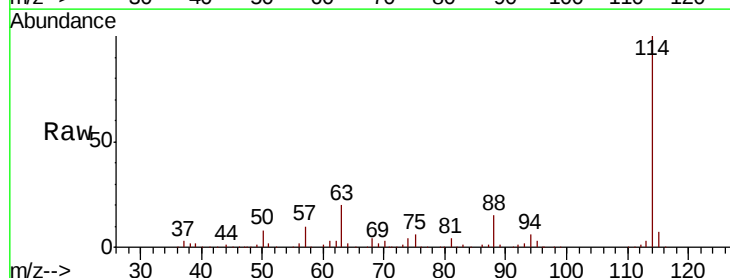
Instrument :
 MSVOA_Y
 ClientSampleId :

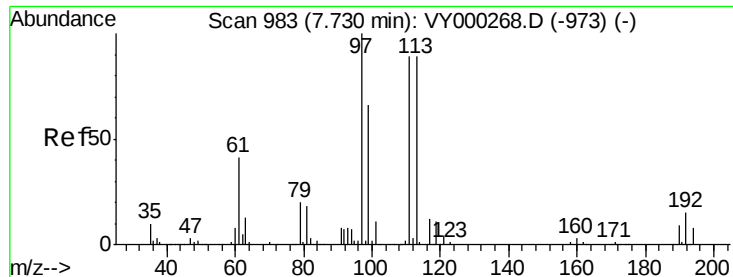
Tot Ion: 65 Resp: 154112
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion: 114 Resp: 462163
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 37.2
 88 15.0 0.0 30.2

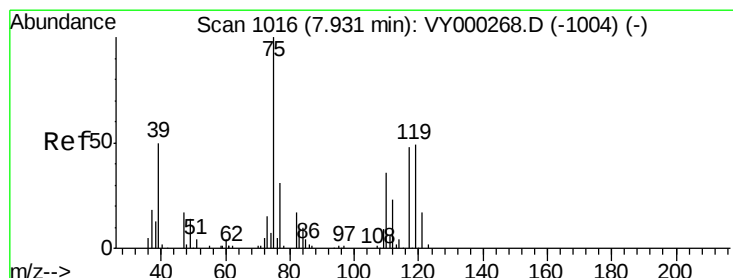
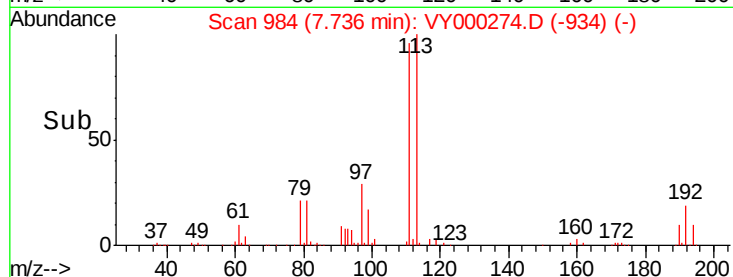
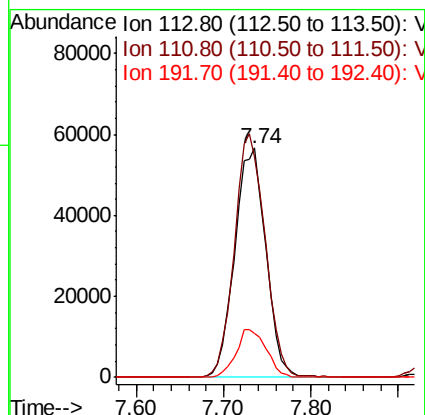
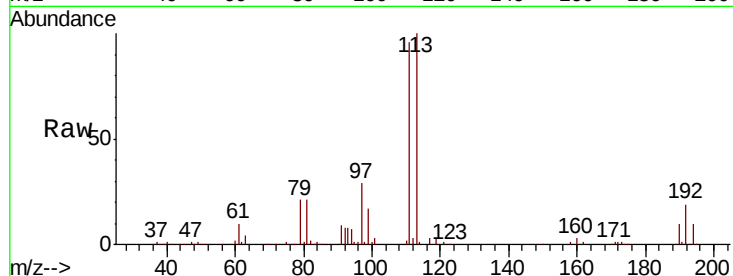




#35
 Dibromofluoromethane
 Concen: 50.187 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

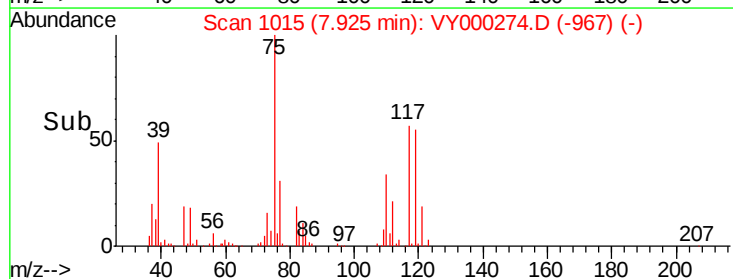
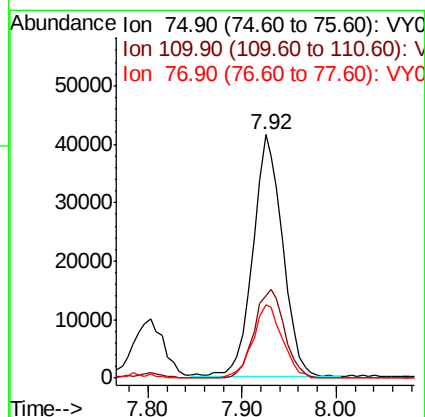
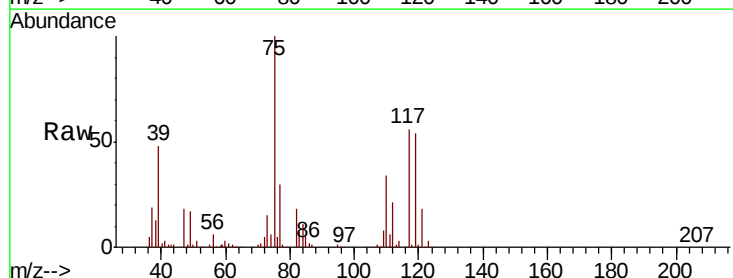
Instrument :
 MSVOA_Y
 ClientSampleId :

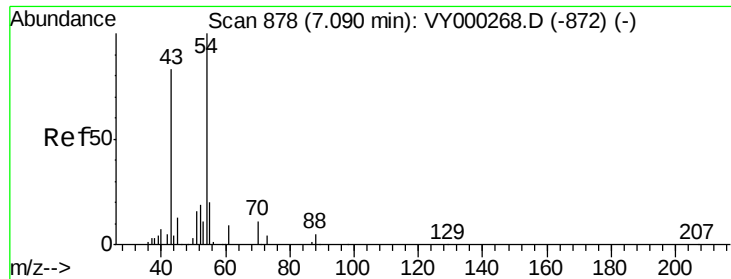
Tot Ion:113 Resp: 139913
 Ion Ratio Lower Upper
 113 100
 111 105.2 81.6 122.4
 192 20.4 15.3 22.9



#36
 1,1-Dichloropropene
 Concen: 20.224 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion: 75 Resp: 91511
 Ion Ratio Lower Upper
 75 100
 110 37.6 18.4 55.4
 77 30.5 25.0 37.6

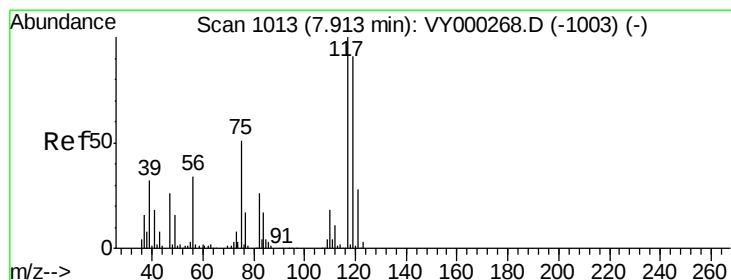
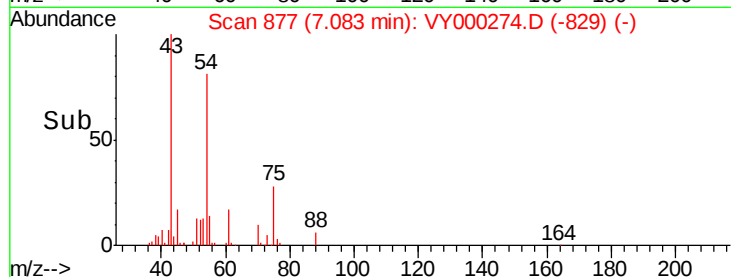
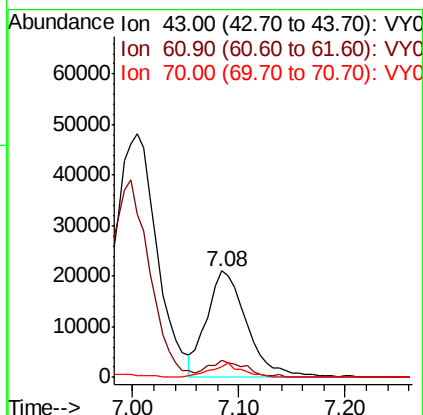
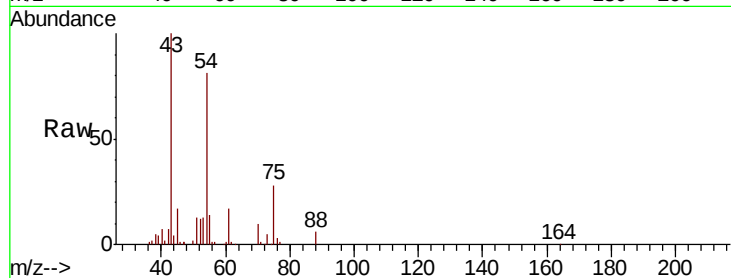




#37
Ethyl Acetate
Concen: 20.321 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

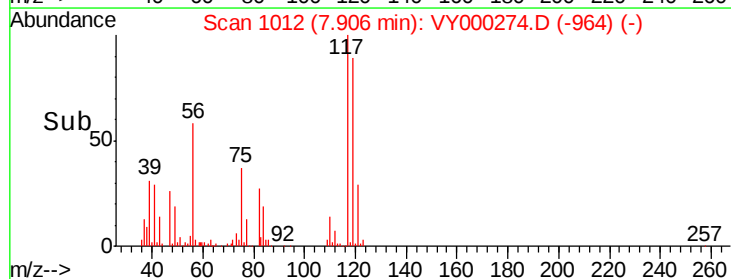
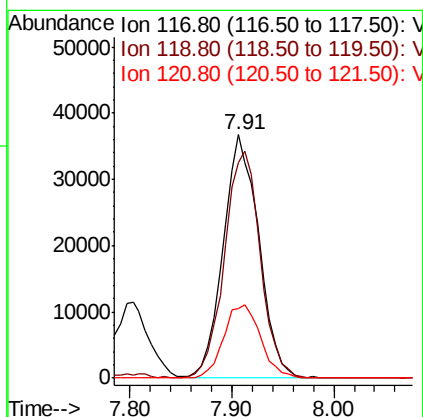
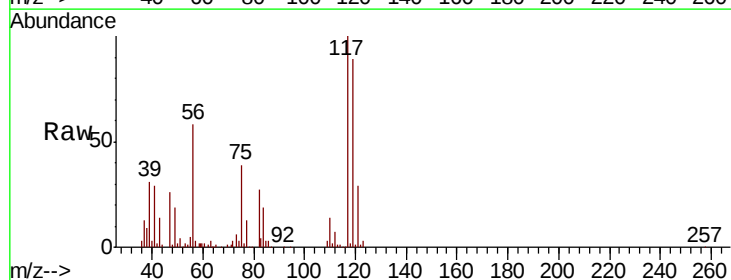
Instrument :
MSVOA_Y
ClientSampled :

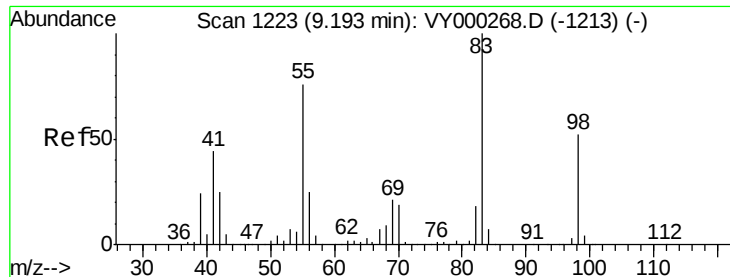
Tot Ion: 43 Resp: 54446
Ion Ratio Lower Upper
43 100
61 15.6 12.1 18.1
70 10.7 8.7 13.1



#38
Carbon Tetrachloride
Concen: 20.285 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion: 117 Resp: 88873
Ion Ratio Lower Upper
117 100
119 88.5 72.8 109.2
121 28.8 22.2 33.2

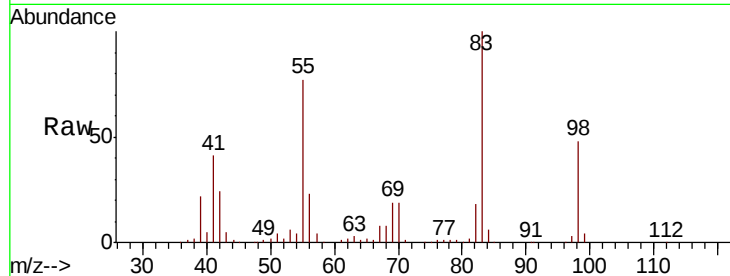




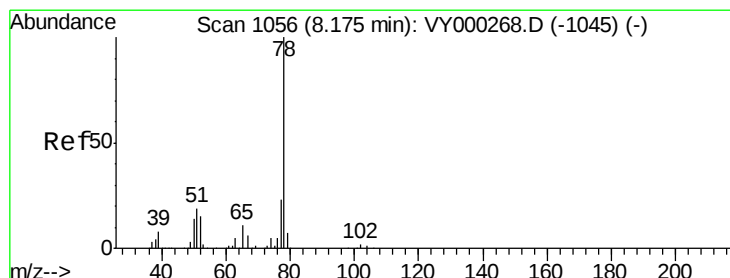
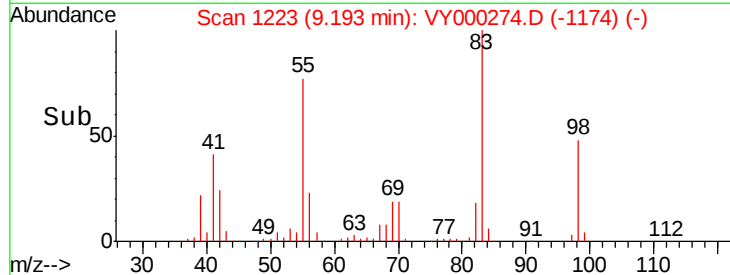
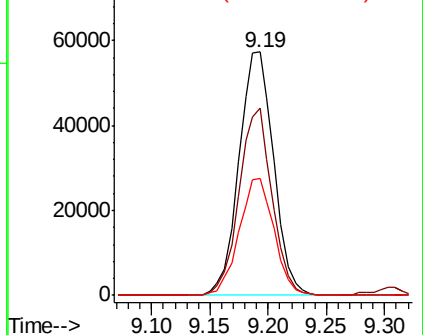
#39
Methvlcvclohexane
Concen: 20.039 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 83 Resp: 118677
Ion Ratio Lower Upper
83 100
55 77.0 60.9 91.3
98 47.9 41.8 62.6

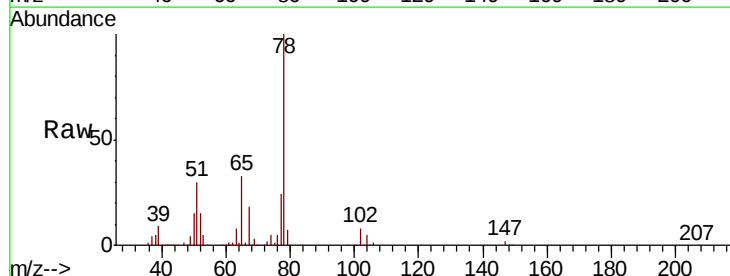


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

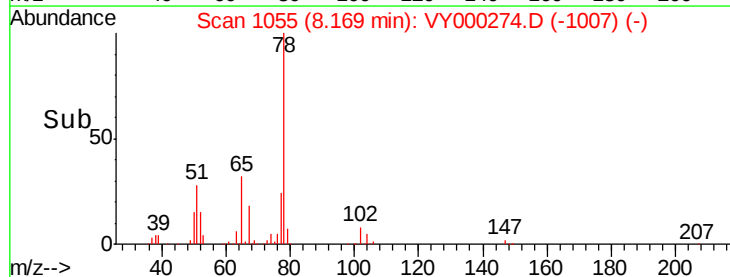
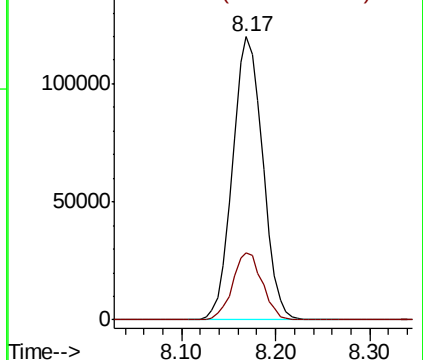


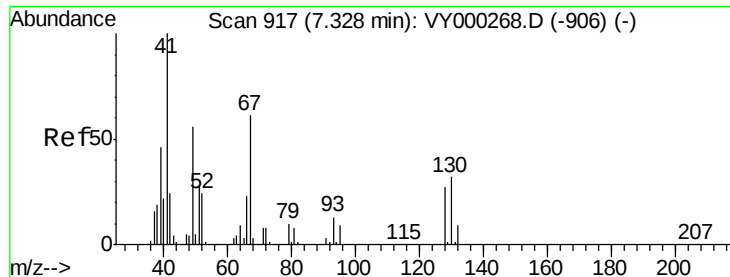
#40
Benzene
Concen: 20.477 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion: 78 Resp: 267770
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

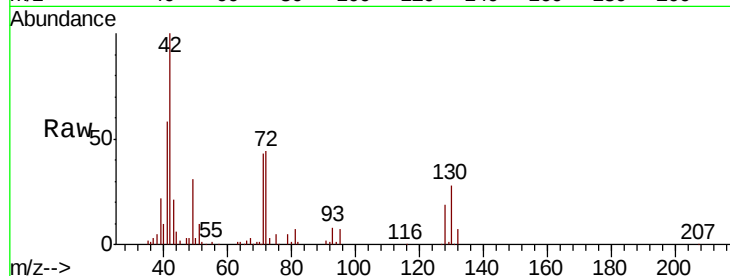




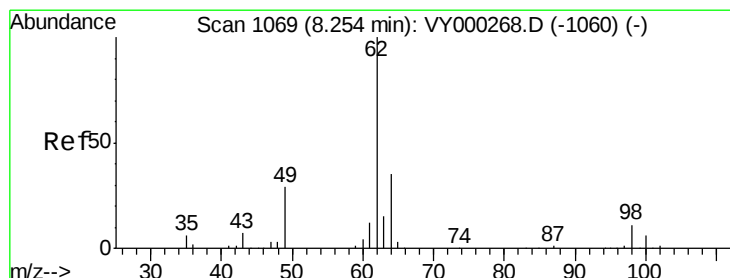
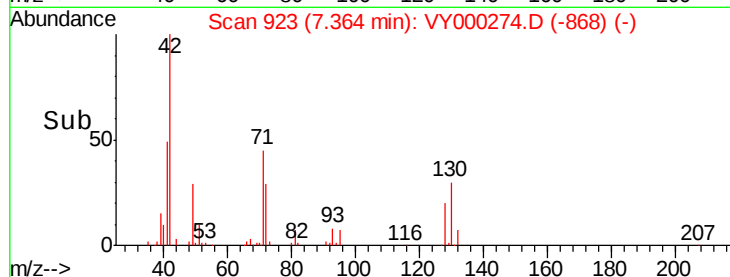
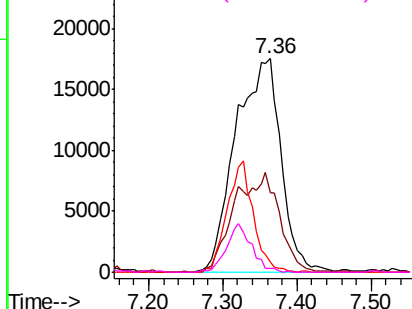
#41
Methacrylonitrile
Concen: 58.668 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.04 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 41 Resp: 74821
Ion Ratio Lower Upper
41 100
39 0.0 110.2 165.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

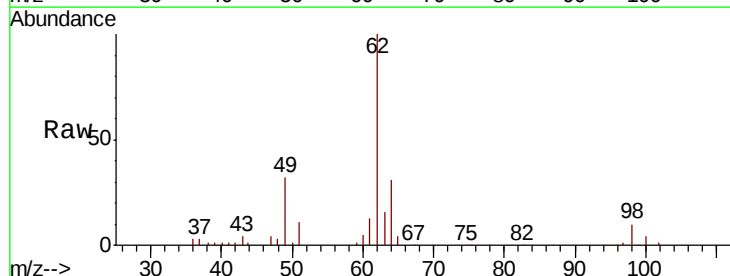


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

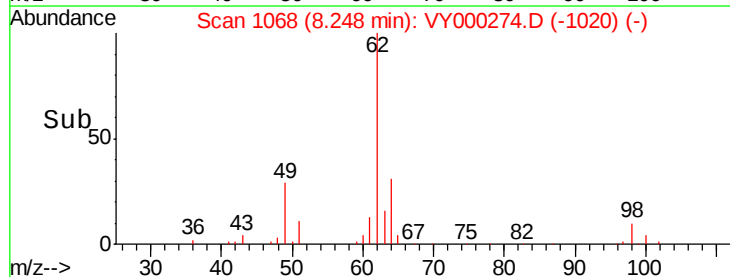
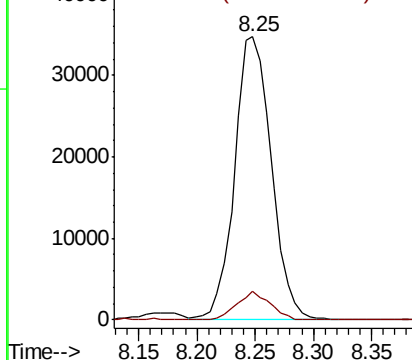


#42
1,2-Dichloroethane
Concen: 20.534 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion: 62 Resp: 76701
Ion Ratio Lower Upper
62 100
98 9.2 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 19.708 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

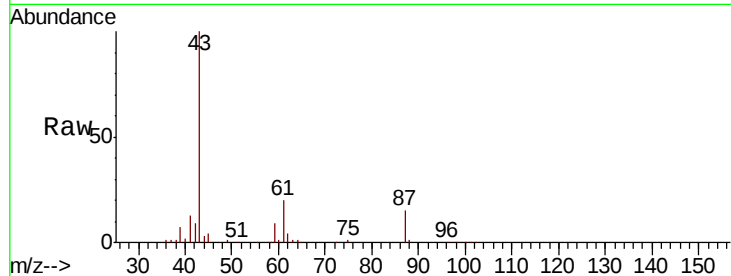
Tot Ion: 43 Resp: 100399

Ion Ratio Lower Upper

43 100

61 28.8 22.3 33.5

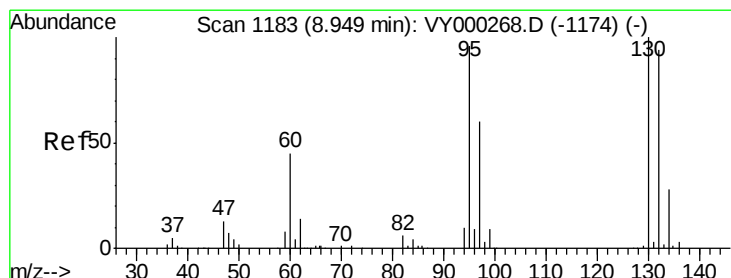
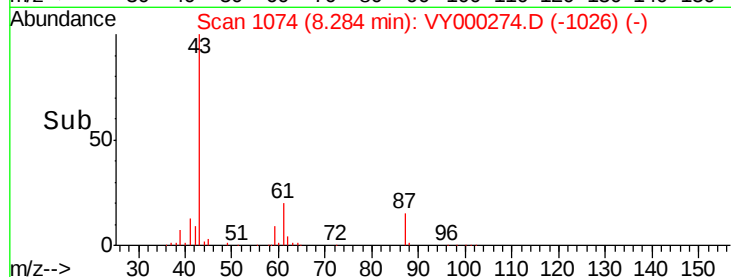
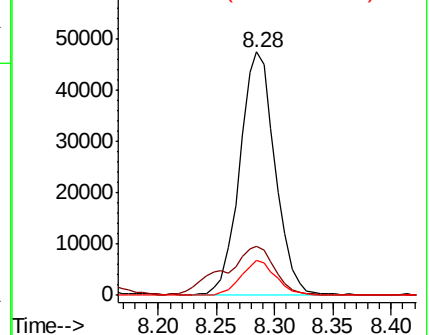
87 14.2 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VY000268.D (-1065) (-)

Ion 61.00 (60.70 to 61.70): VY000268.D (-1065) (-)

Ion 87.00 (86.70 to 87.70): VY000268.D (-1065) (-)



#44

Trichloroethene

Concen: 20.585 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VY000274.D

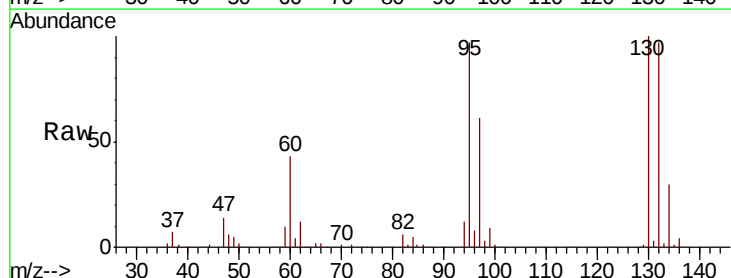
Acq: 11 Oct 2019 16:39

Tgt Ion:130 Resp: 75527

Ion Ratio Lower Upper

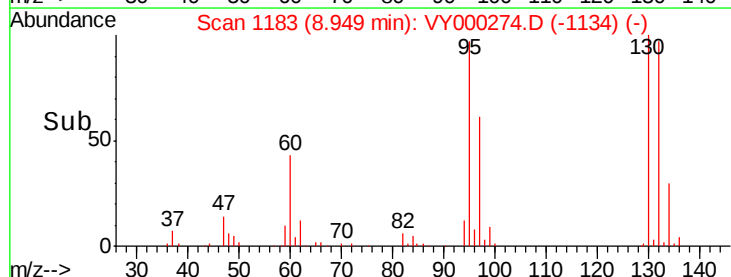
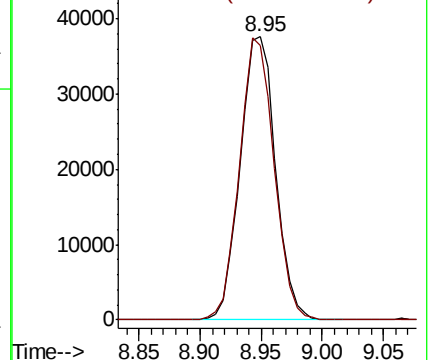
130 100

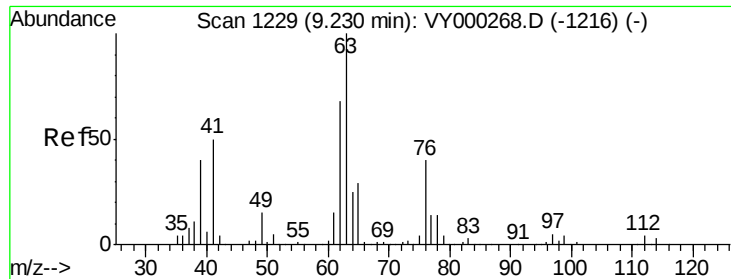
95 97.1 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VY000268.D (-1174) (-)

Ion 94.90 (94.60 to 95.60): VY000268.D (-1174) (-)

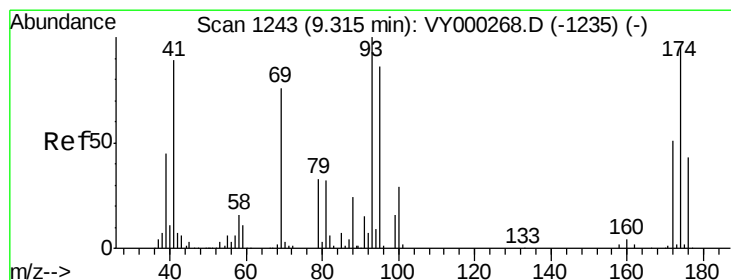
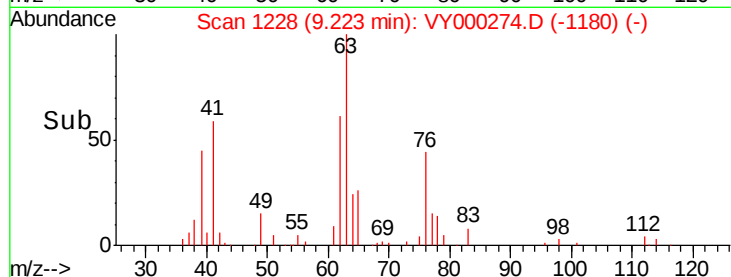
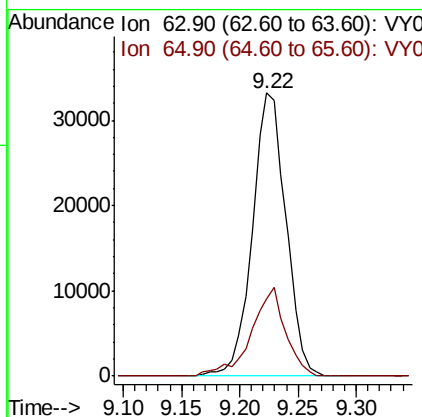
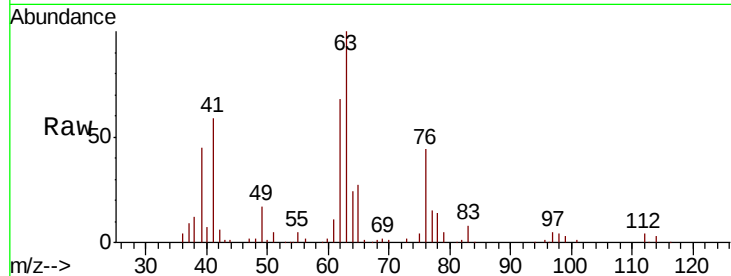




#45
 1,2-Dichloropropane
 Concen: 20.652 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

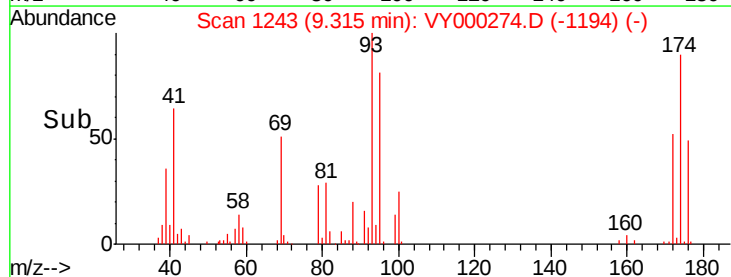
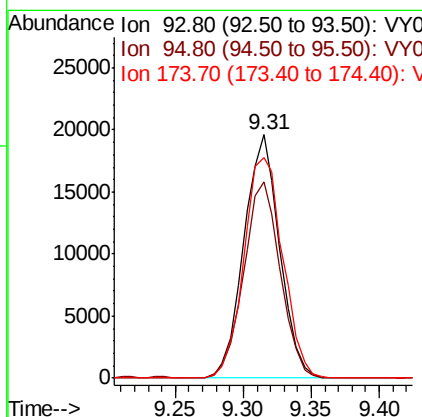
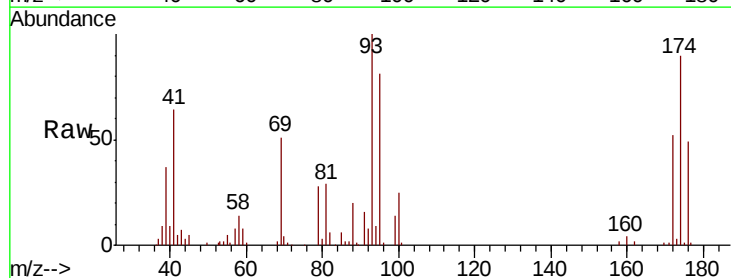
Instrument :
 MSVOA_Y
 ClientSampleId :

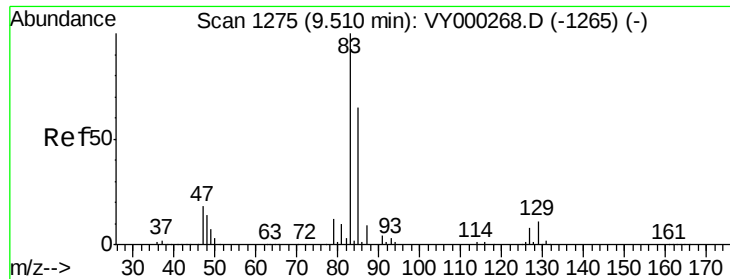
Tot Ion: 63 Resp: 66271
 Ion Ratio Lower Upper
 63 100
 65 27.4 23.2 34.8



#46
 Dibromomethane
 Concen: 20.057 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion: 93 Resp: 35979
 Ion Ratio Lower Upper
 93 100
 95 82.7 68.2 102.2
 174 98.9 79.8 119.6





#47

Bromodichloromethane

Concen: 19.771 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

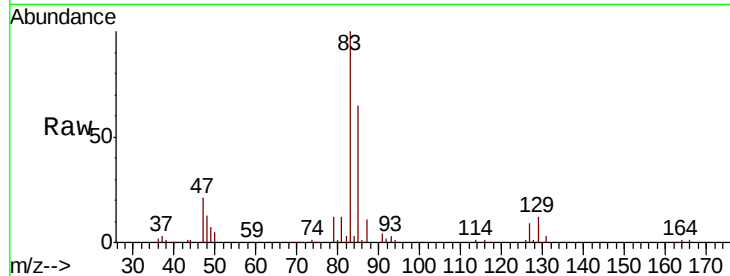
Tot Ion: 83 Resp: 83584

Ion Ratio Lower Upper

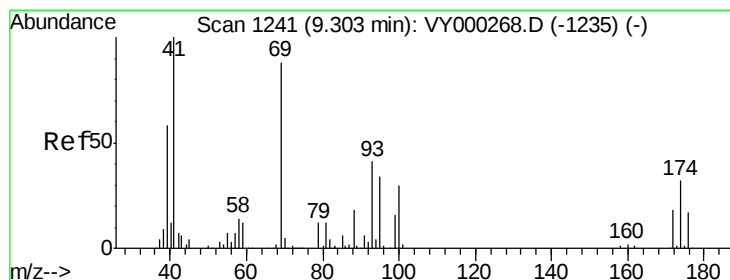
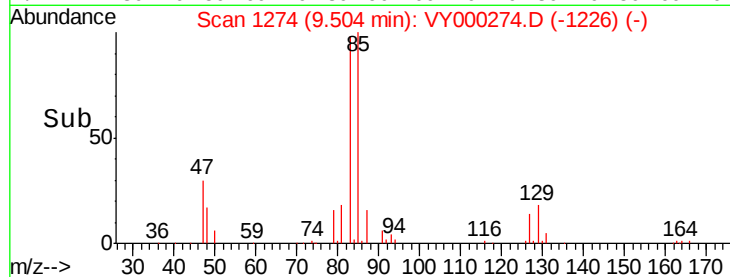
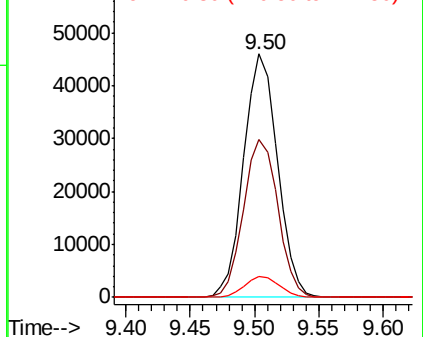
83 100

85 64.9 52.2 78.2

127 8.8 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 19.681 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

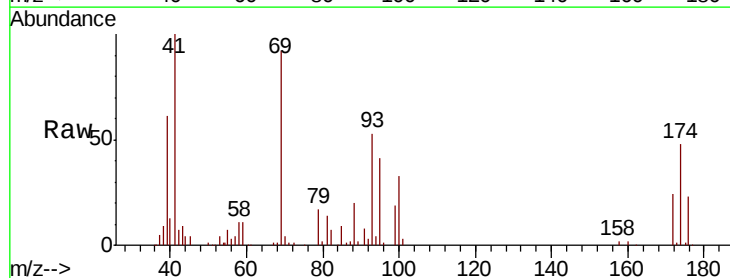
Tgt Ion: 41 Resp: 43941

Ion Ratio Lower Upper

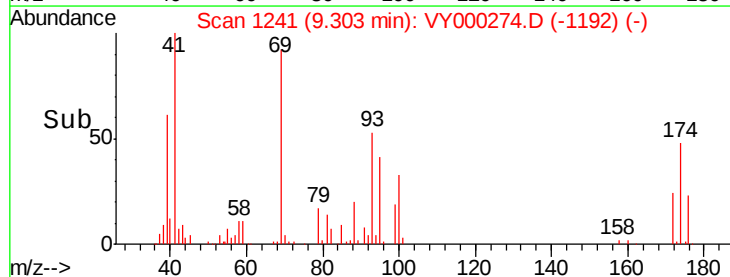
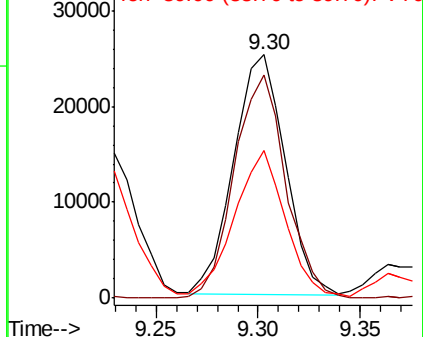
41 100

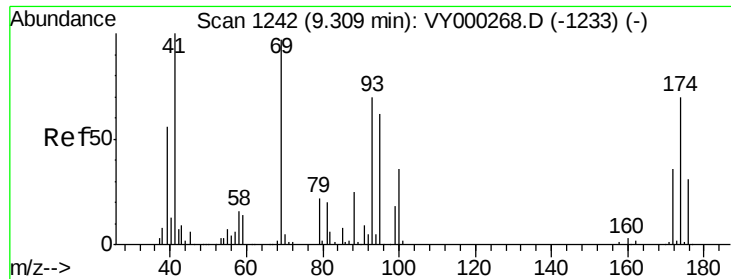
69 93.3 70.0 105.0

39 61.4 47.7 71.5



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 397.516 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

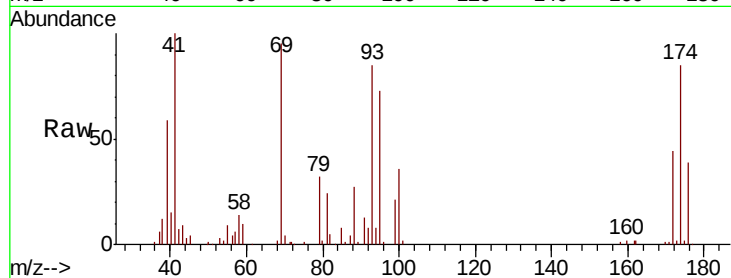
Tot Ion: 88 Resp: 10692

Ion Ratio Lower Upper

88 100

43 39.2 25.6 38.4#

58 62.3 54.6 81.8

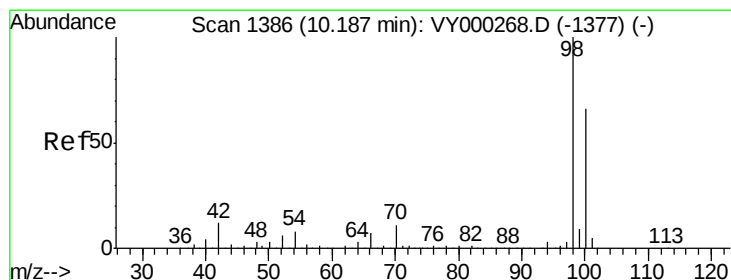
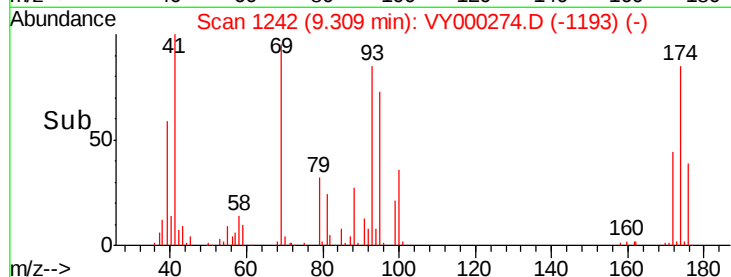
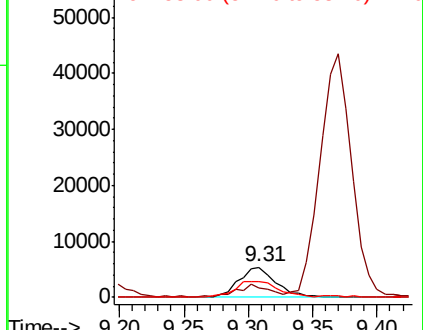


Abundance

Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 53.337 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000274.D

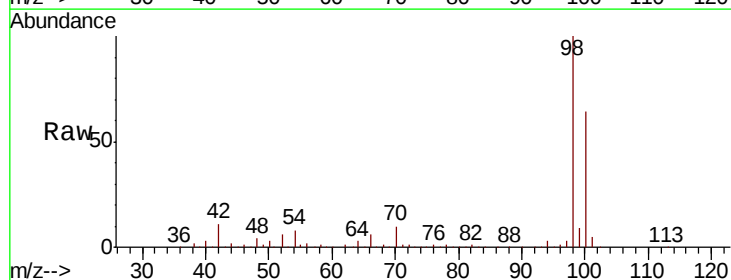
Acq: 11 Oct 2019 16:39

Tgt Ion: 98 Resp: 571981

Ion Ratio Lower Upper

98 100

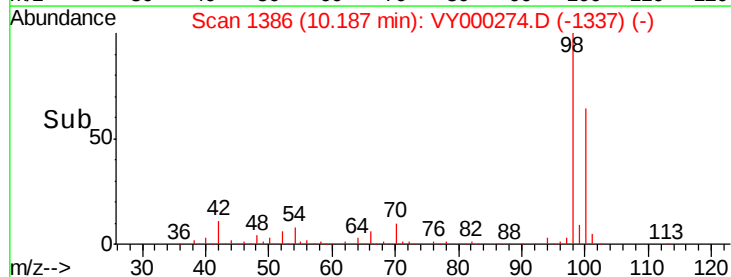
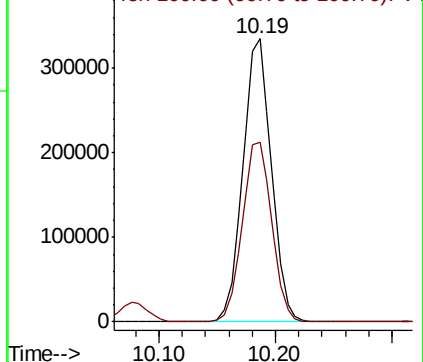
100 65.6 52.8 79.2

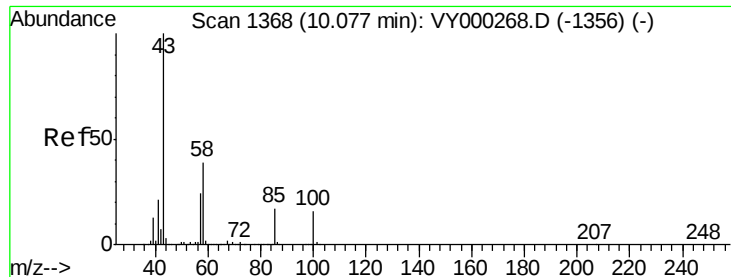


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

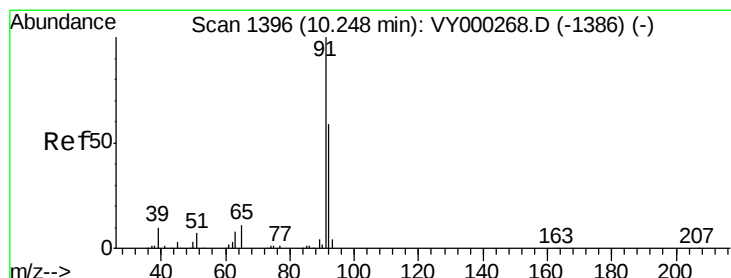
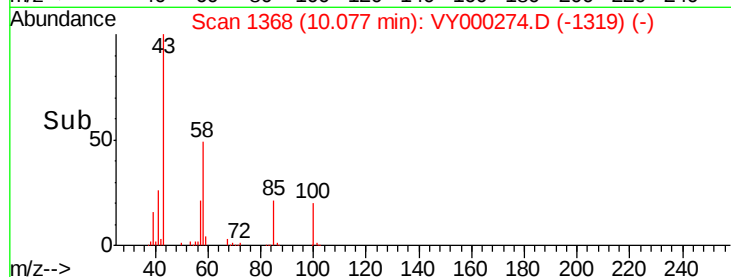
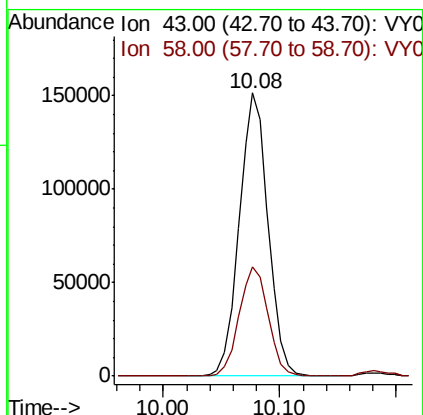
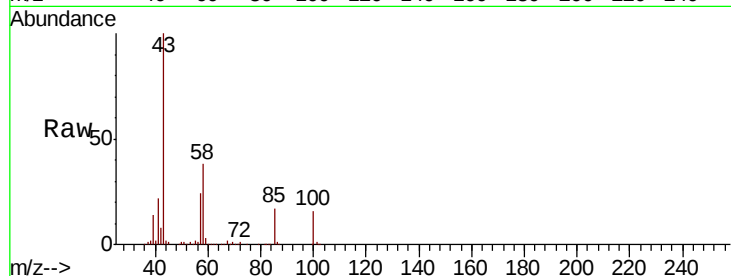




#51
4-Methyl-2-Pentanone
Concen: 99.027 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

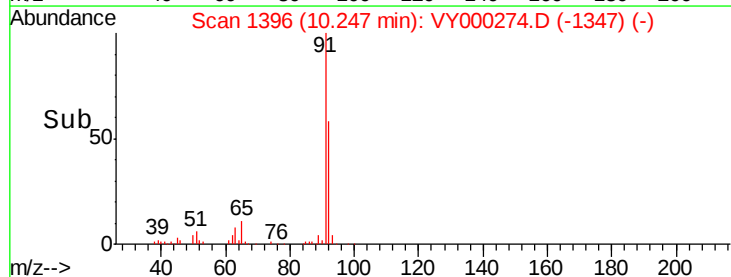
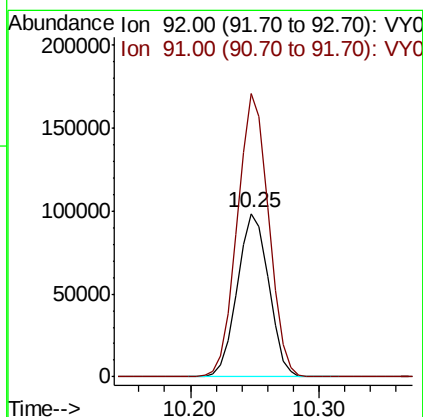
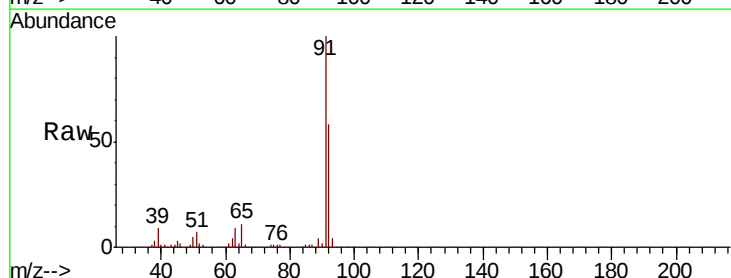
Instrument :
MSVOA_Y
ClientSampleId :

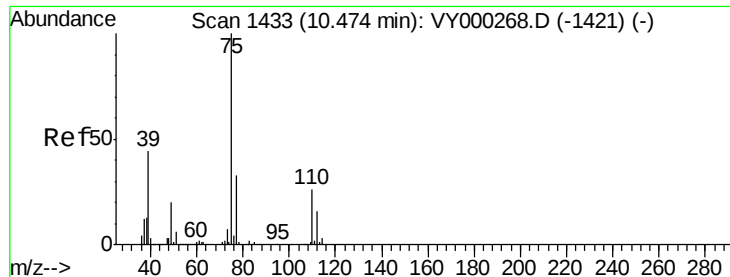
Tot Ion: 43 Resp: 260198
Ion Ratio Lower Upper
43 100
58 38.9 31.0 46.6



#52
Toluene
Concen: 20.114 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion: 92 Resp: 166989
Ion Ratio Lower Upper
92 100
91 172.0 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 20.319 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

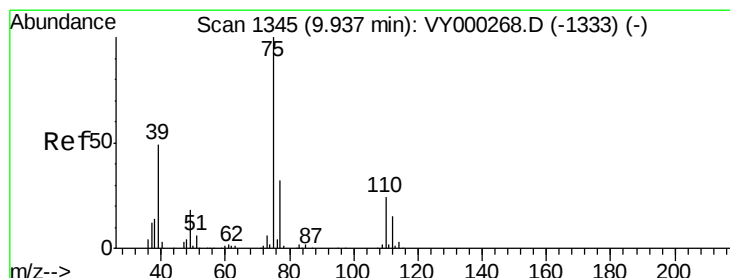
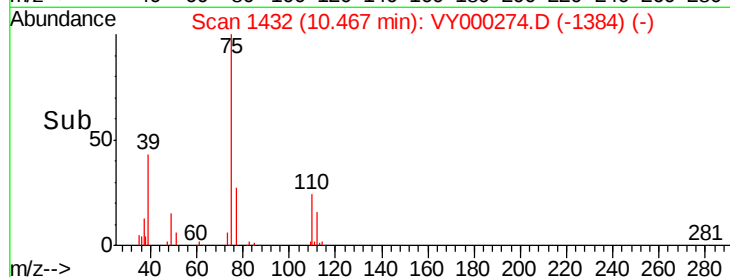
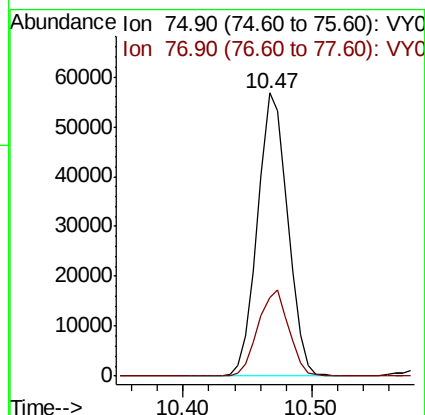
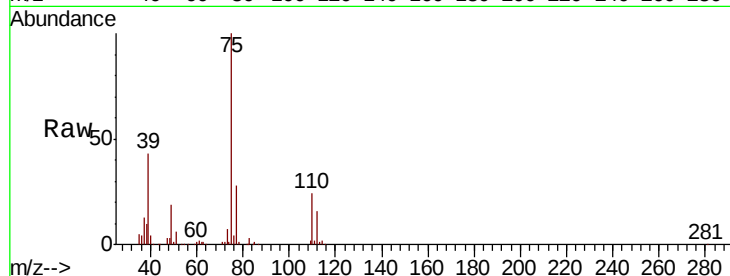
ClientSampleId :

Tot Ion: 75 Resp: 92063

Ion Ratio Lower Upper

75 100

77 27.7 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 20.666 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

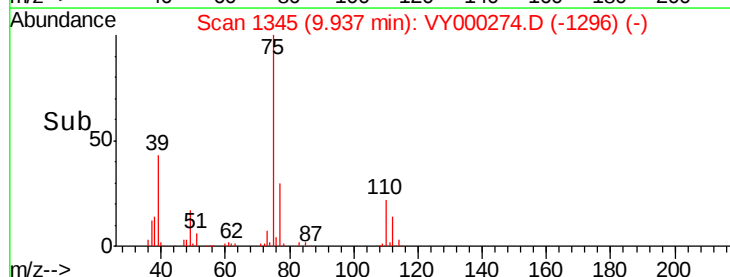
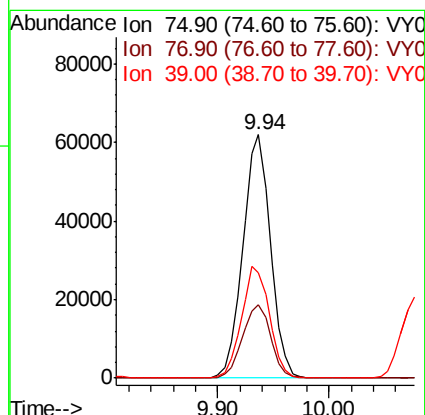
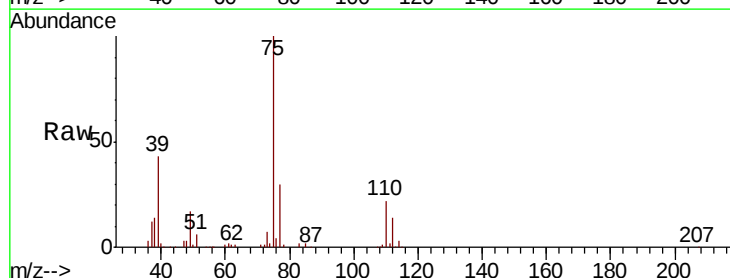
Tgt Ion: 75 Resp: 106333

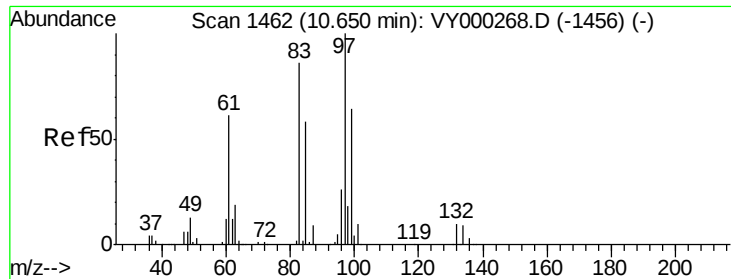
Ion Ratio Lower Upper

75 100

77 30.3 26.0 39.0

39 43.1 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 19.669 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 51302

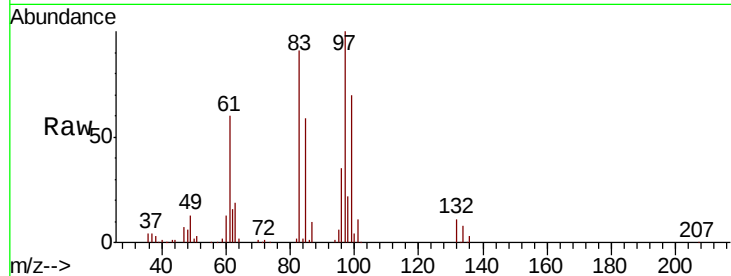
Ion Ratio Lower Upper

97 100

83 91.0 69.0 103.6

85 58.7 46.2 69.4

99 70.2 51.1 76.7

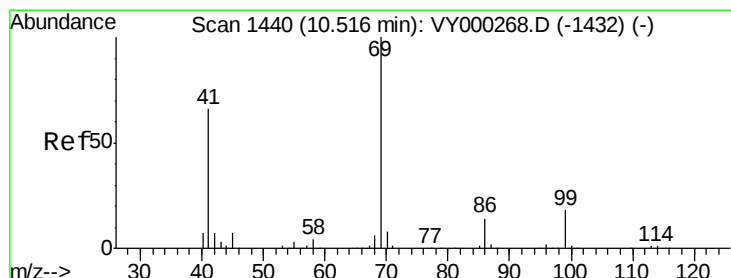
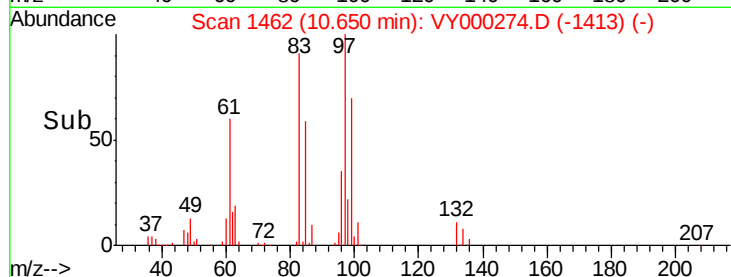
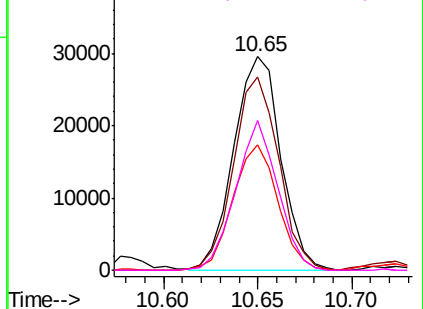


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 20.030 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

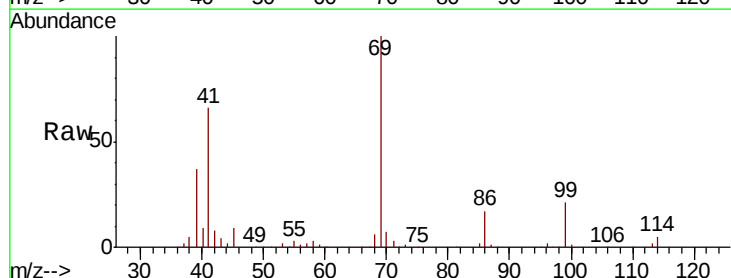
Tgt Ion: 69 Resp: 74466

Ion Ratio Lower Upper

69 100

41 65.9 52.5 78.7

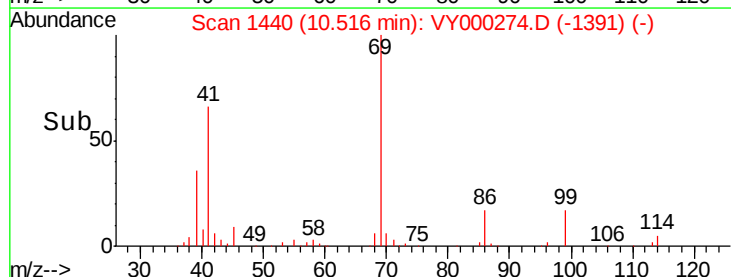
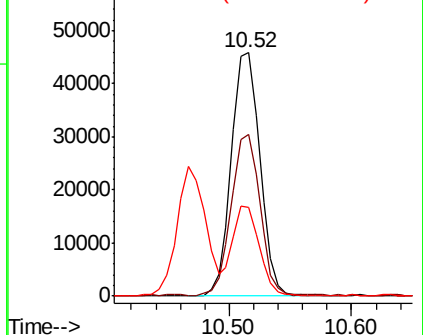
39 35.4 26.7 40.1

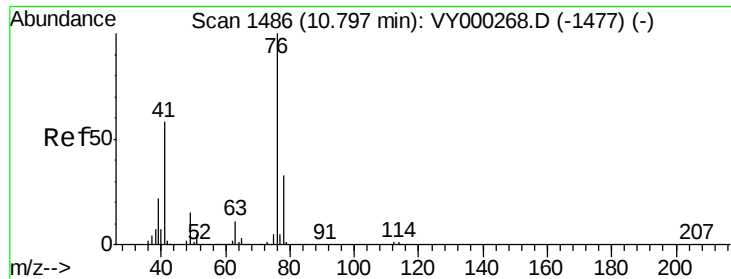


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 20.743 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

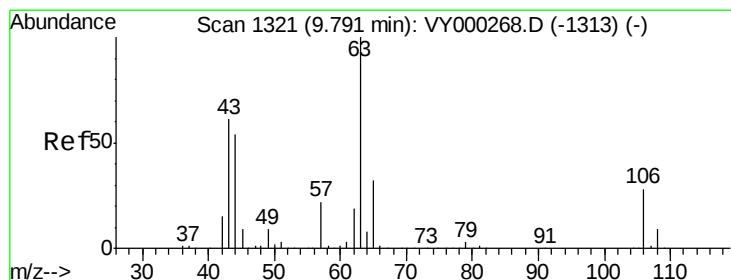
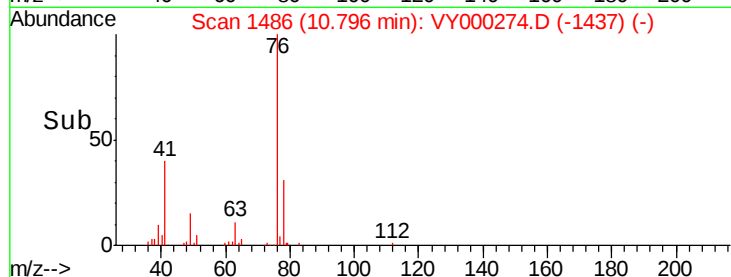
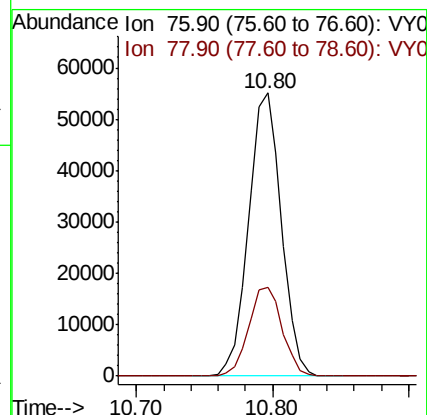
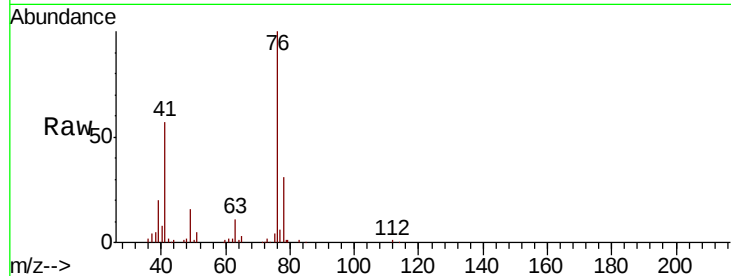
ClientSampled :

Tot Ion: 76 Resp: 92917

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 102.907 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VY000274.D

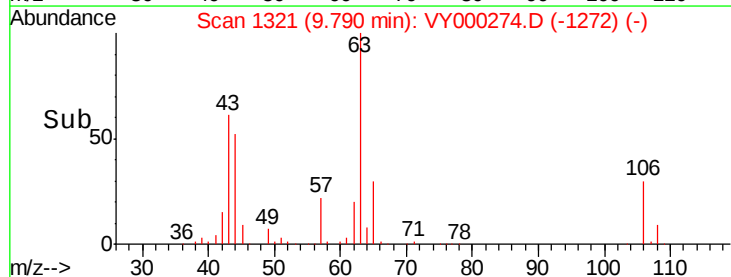
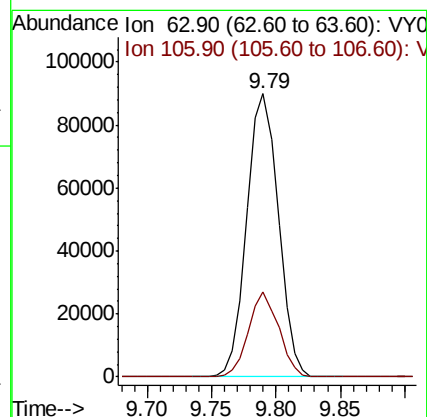
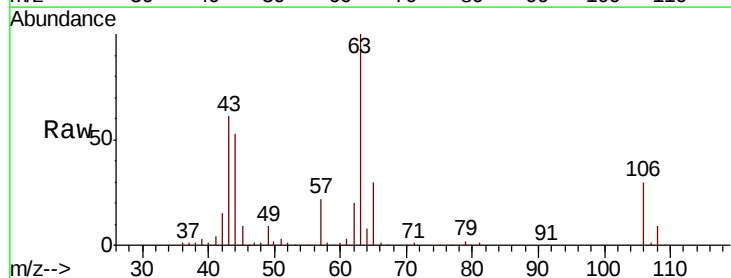
Acq: 11 Oct 2019 16:39

Tgt Ion: 63 Resp: 152597

Ion Ratio Lower Upper

63 100

106 28.6 23.0 34.4

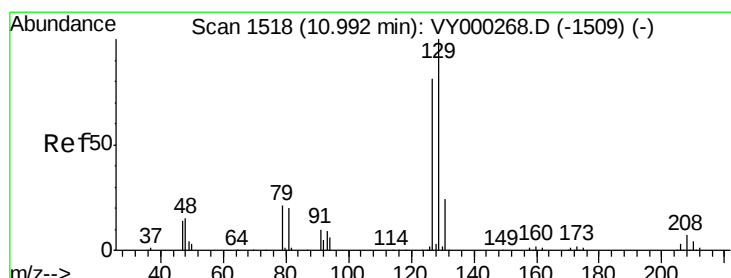
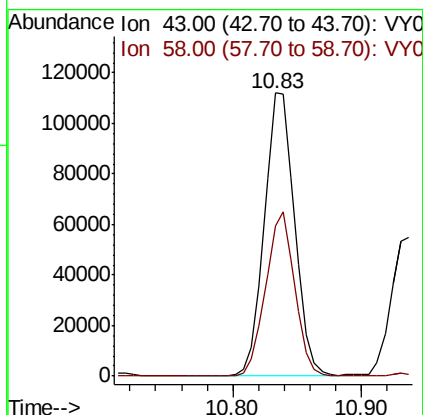
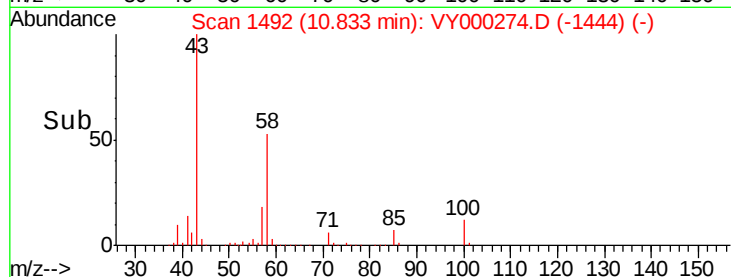
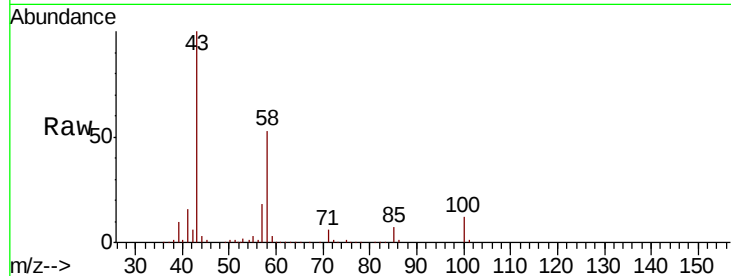




#59
2-Hexanone
Concen: 99.042 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

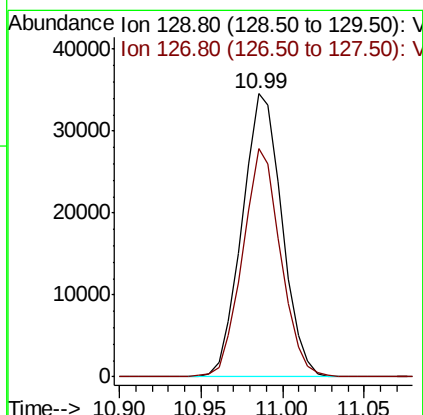
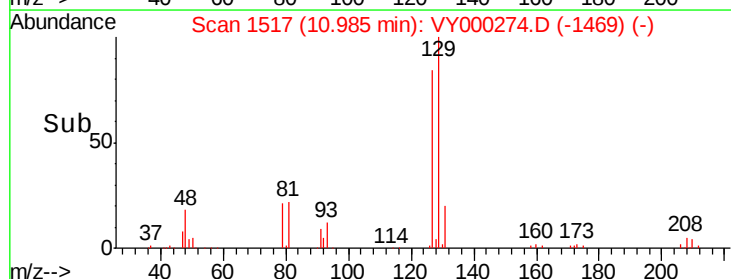
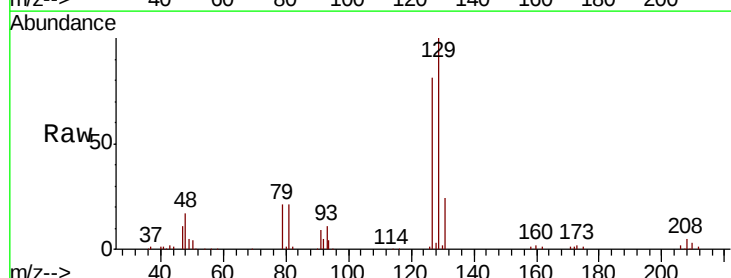
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 182665
Ion Ratio Lower Upper
43 100
58 55.8 27.7 83.1



#60
Dibromochloromethane
Concen: 20.355 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion: 129 Resp: 58845
Ion Ratio Lower Upper
129 100
127 77.0 39.9 119.7

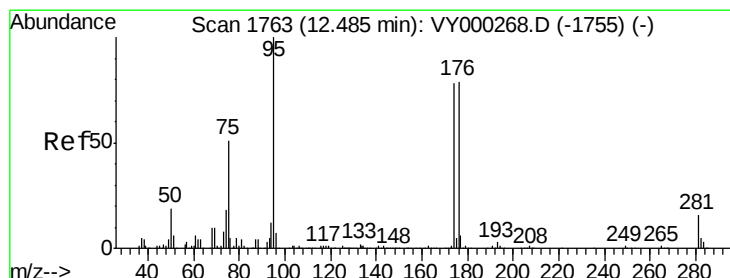
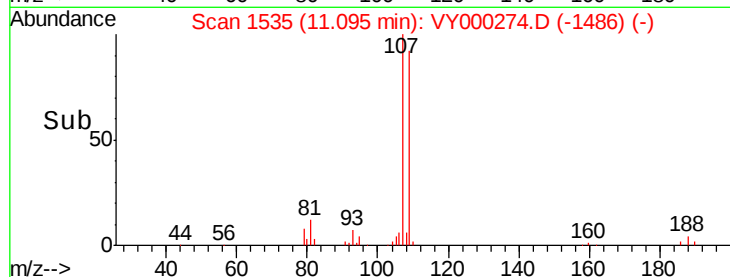
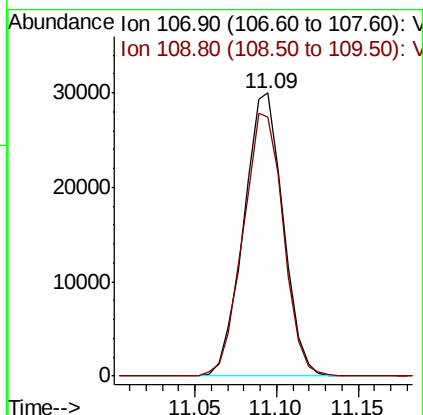
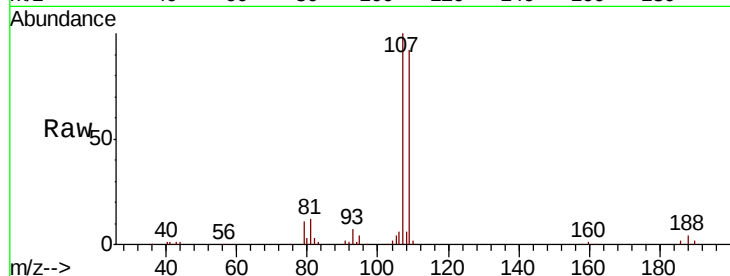




#61
 1,2-Dibromoethane
 Concen: 20.058 ug/l
 RT: 11.09 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

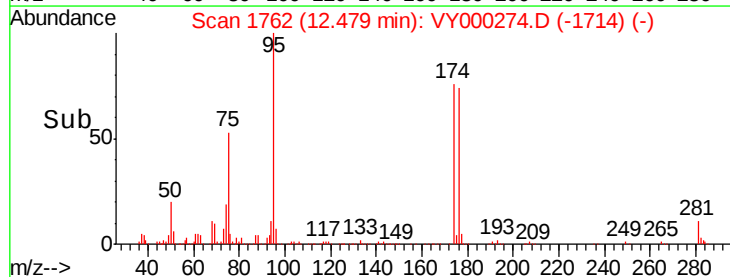
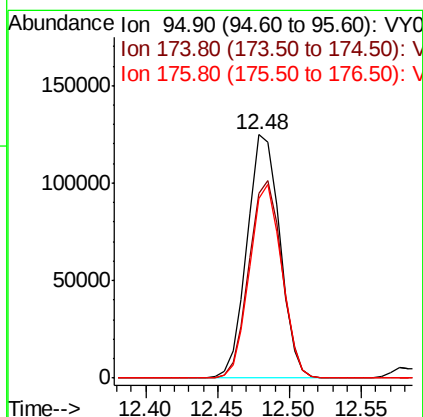
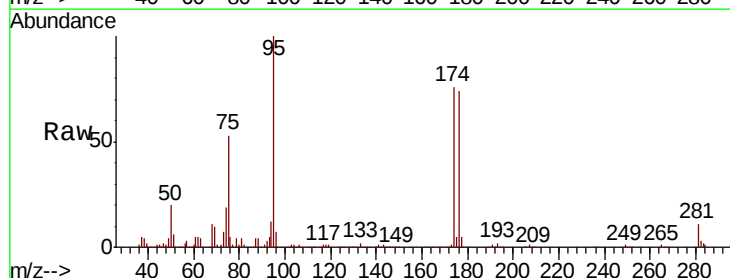
Instrument :
 MSVOA_Y
 ClientSampleId :

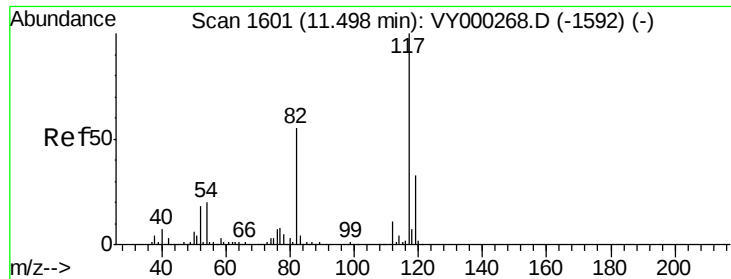
Tot Ion: 107 Resp: 50233
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 48.286 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion: 95 Resp: 196726
 Ion Ratio Lower Upper
 95 100
 174 80.8 0.0 159.6
 176 78.1 0.0 153.8

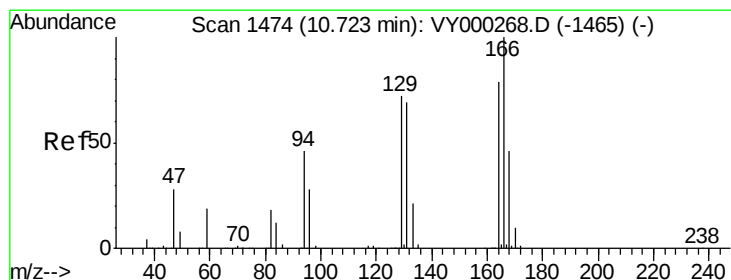
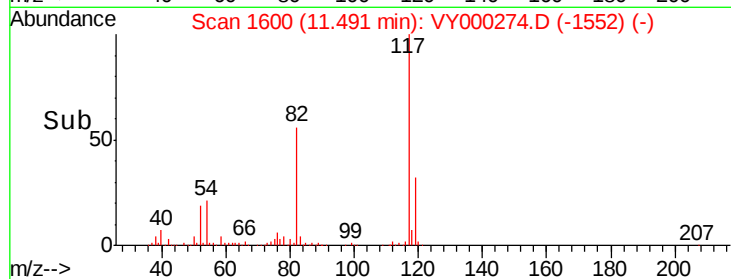
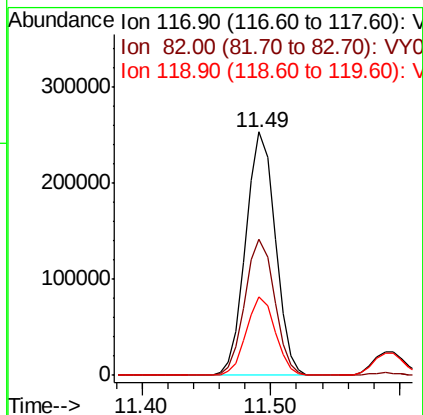
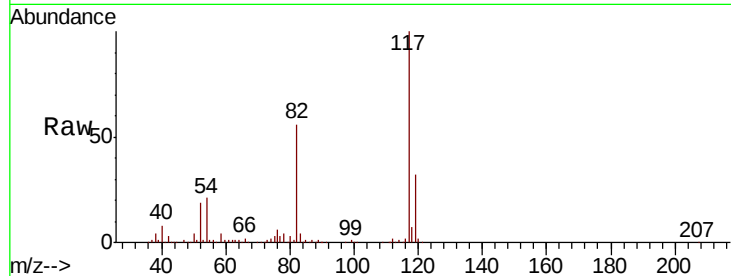




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

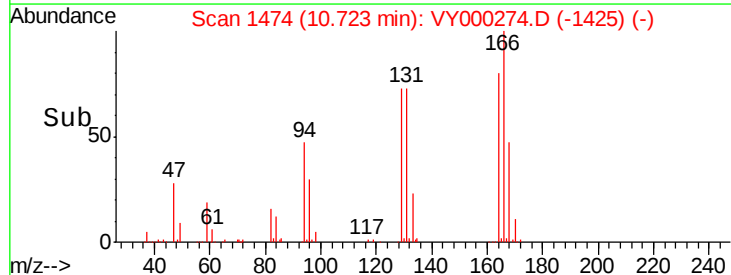
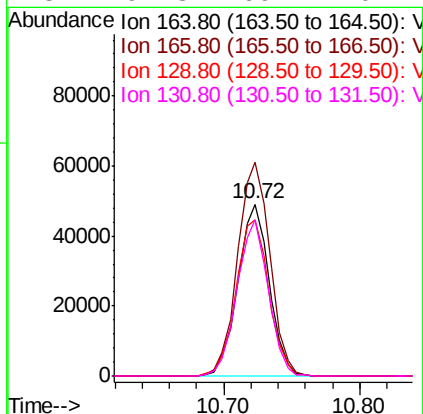
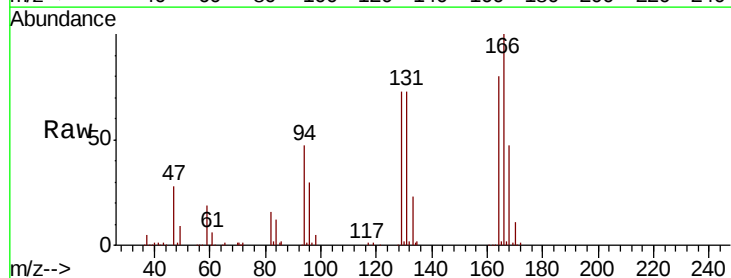
Instrument :
MSVOA_Y
ClientSampleId :

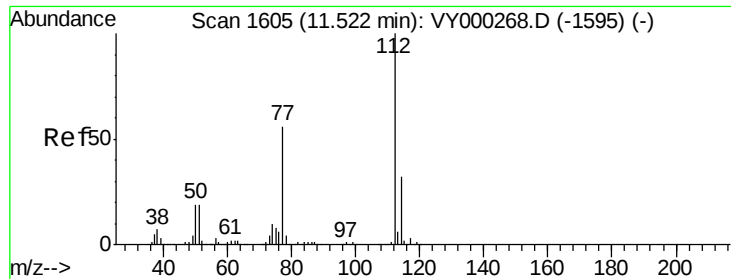
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.7	65.5
119	32.2	26.6	39.8



#64
Tetrachloroethene
Concen: 20.734 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.6	151.0
129	90.8	72.8	109.2
131	91.3	69.4	104.2

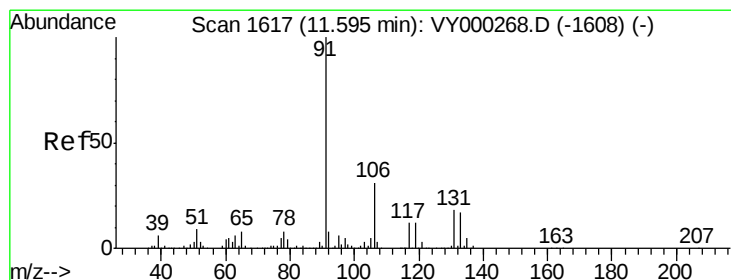
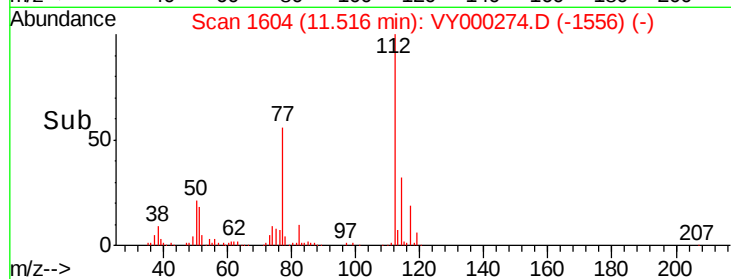
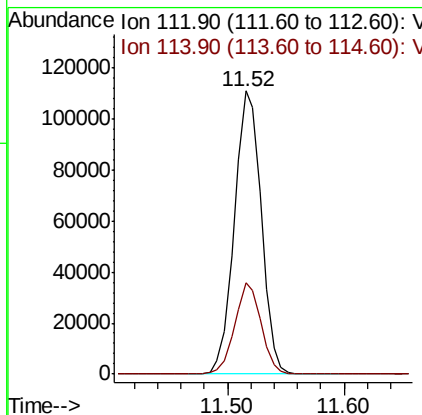
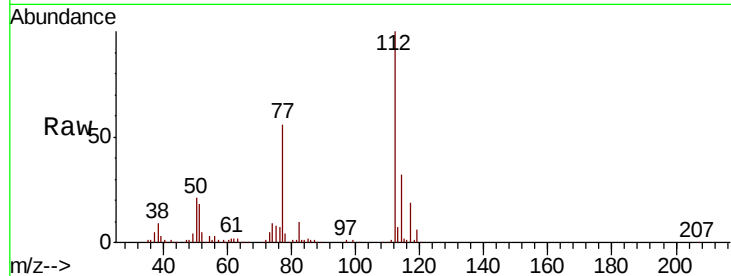




#65
Chlorobenzene
Concen: 21.053 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

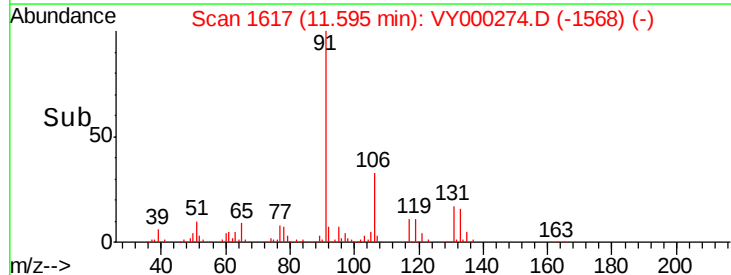
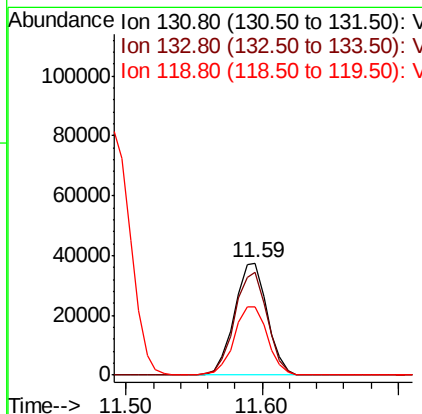
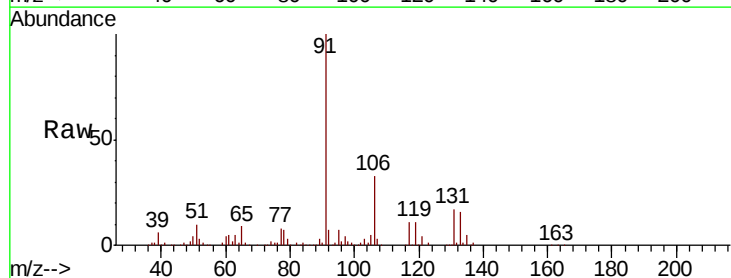
Instrument :
MSVOA_Y
ClientSampleId :

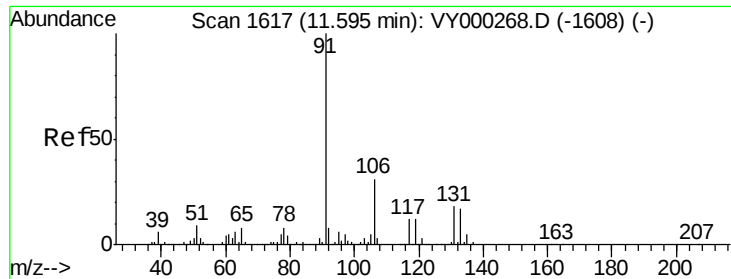
Tot Ion:112 Resp: 178178
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 21.101 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion:131 Resp: 62733
Ion Ratio Lower Upper
131 100
133 91.4 47.2 141.6
119 62.5 32.6 98.0

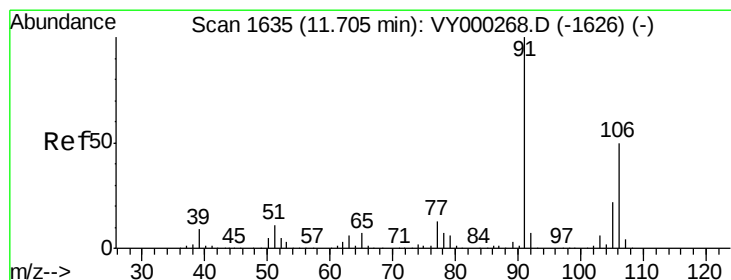
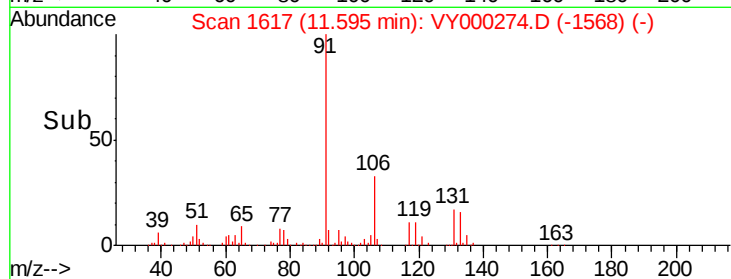
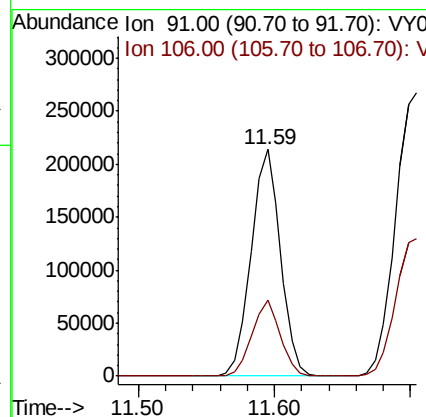
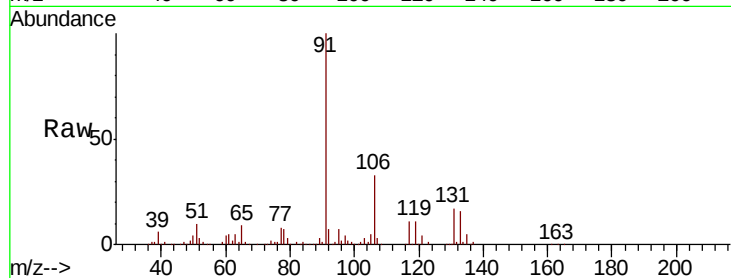




#67
Ethyl Benzene
Concen: 20.625 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

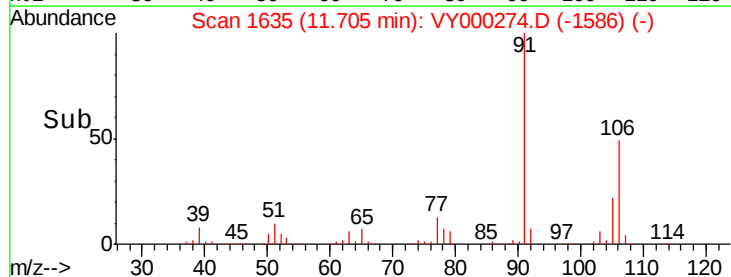
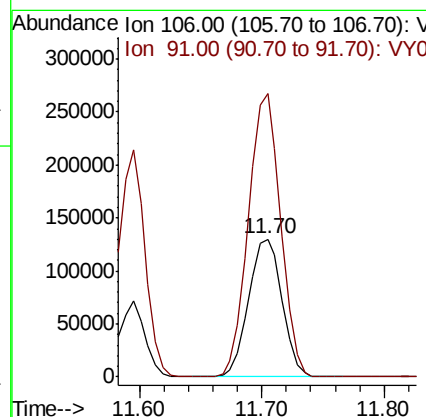
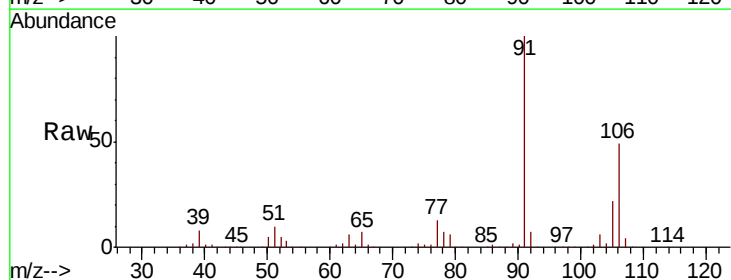
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 91 Resp: 323576
Ion Ratio Lower Upper
91 100
106 33.3 25.0 37.6



#68
m/p-Xylenes
Concen: 41.302 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion: 106 Resp: 247712
Ion Ratio Lower Upper
106 100
91 198.0 157.5 236.3

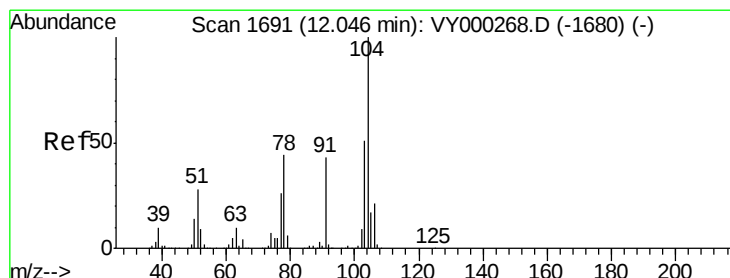
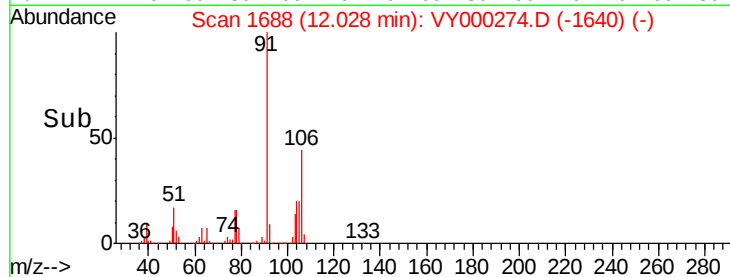
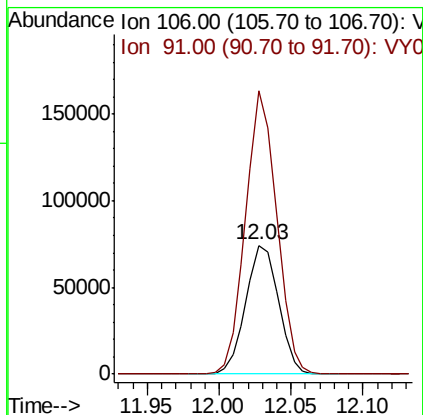
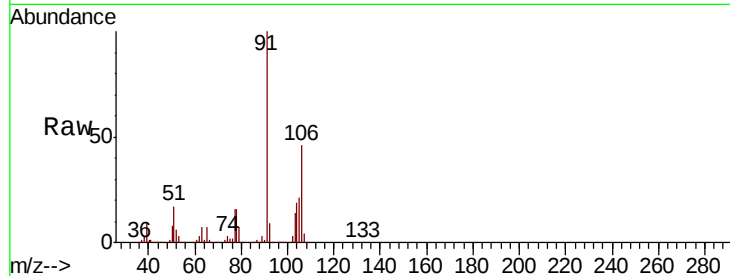




#69
o-Xylene
Concen: 20.501 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

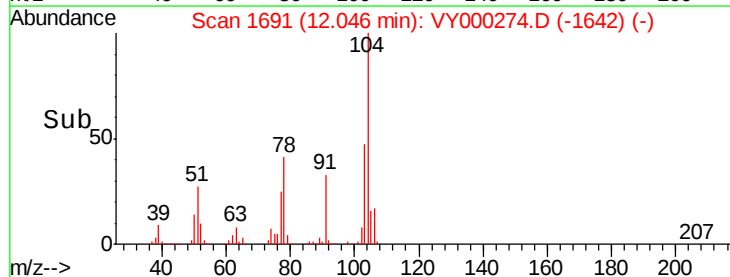
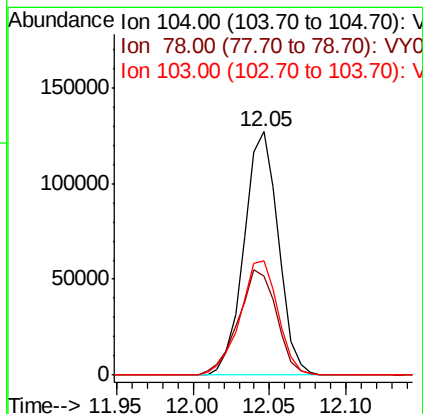
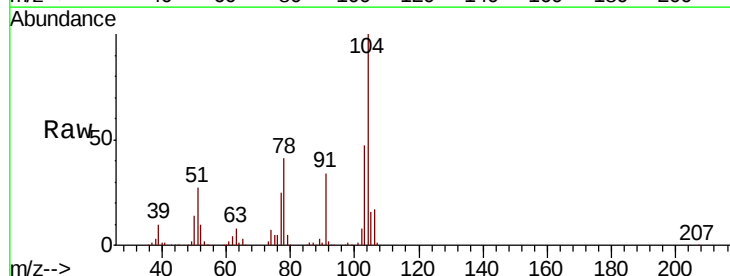
Instrument :
MSVOA_Y
ClientSampleId :

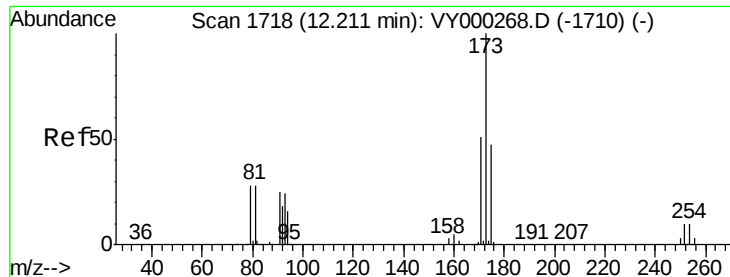
Tot Ion:106 Resp: 117297
Ion Ratio Lower Upper
106 100
91 209.1 104.7 313.9



#70
Styrene
Concen: 20.531 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion:104 Resp: 198107
Ion Ratio Lower Upper
104 100
78 48.4 39.0 58.6
103 51.9 43.1 64.7

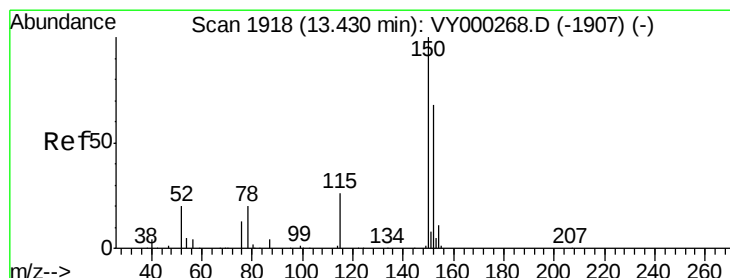
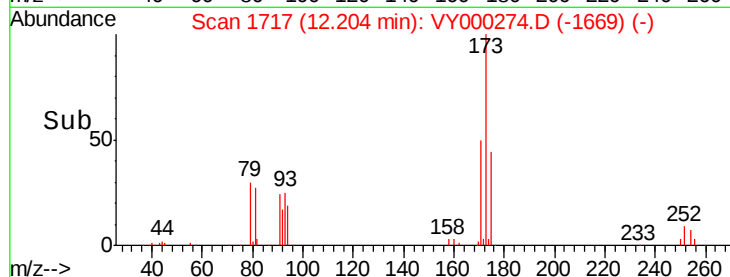
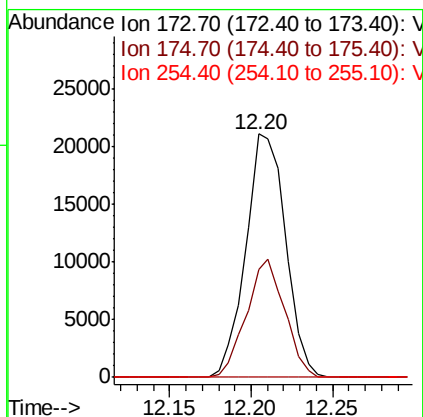
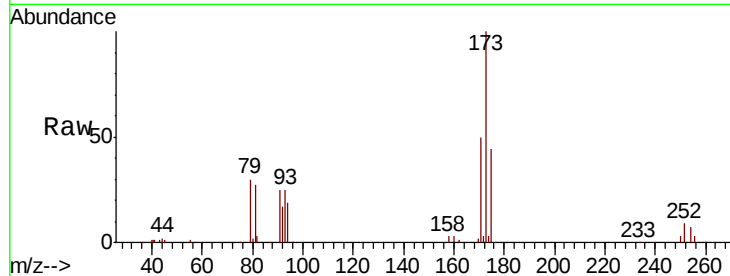




#71
Bromoform
Concen: 20.899 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

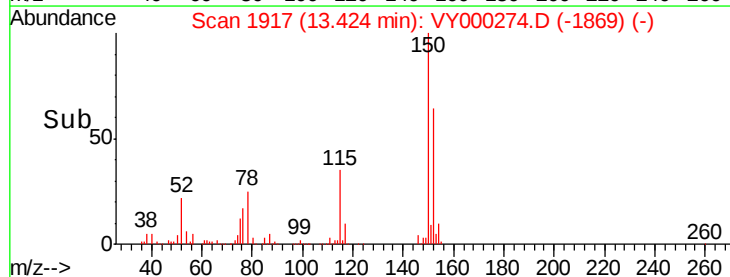
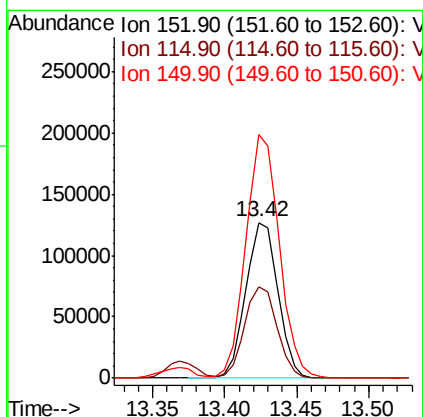
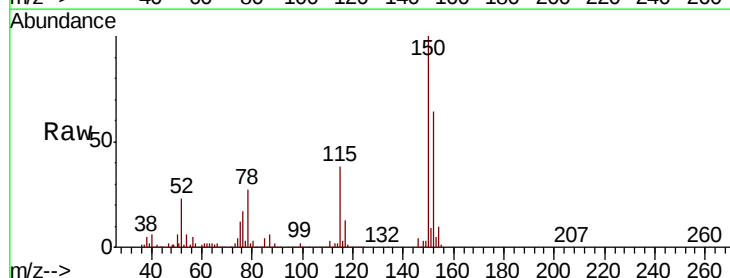
Instrument :
MSVOA_Y
ClientSampled :

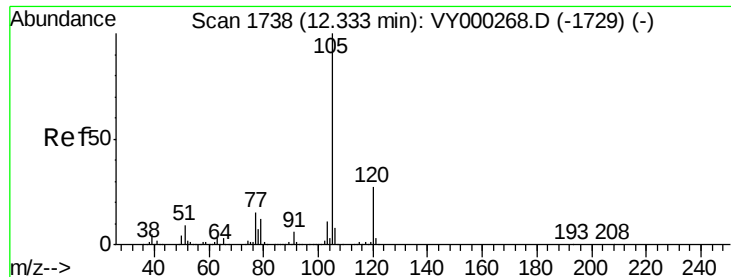
Tot Ion:173 Resp: 35717
Ion Ratio Lower Upper
173 100
175 46.5 24.6 73.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion:152 Resp: 195896
Ion Ratio Lower Upper
152 100
115 59.2 29.3 88.0
150 162.9 0.0 348.4





#73

Isopropylbenzene

Concen: 20.526 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

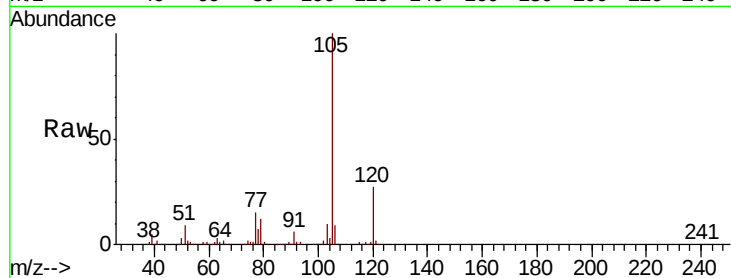
ClientSampleId :

Tot Ion:105 Resp: 313533

Ion Ratio Lower Upper

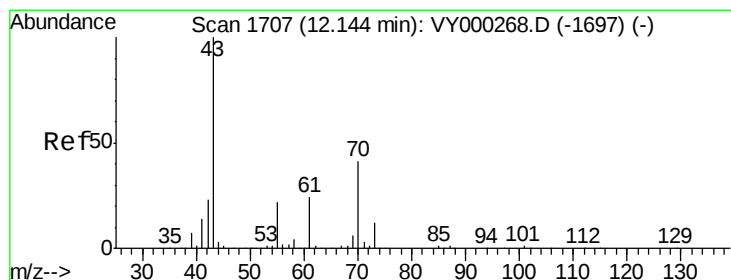
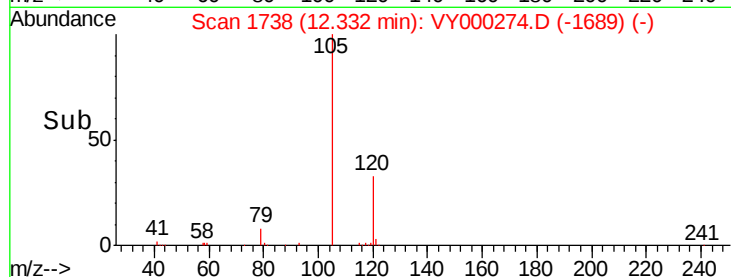
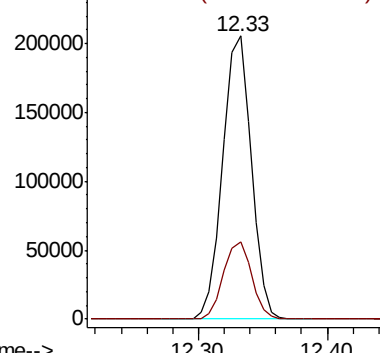
105 100

120 27.2 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.218 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Tgt Ion: 43 Resp: 79567

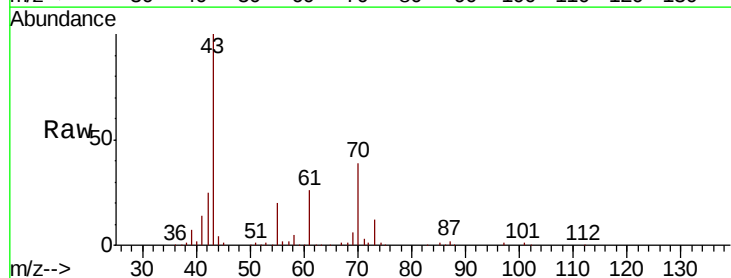
Ion Ratio Lower Upper

43 100

70 40.1 32.9 49.3

55 23.1 17.8 26.6

61 24.4 19.5 29.3

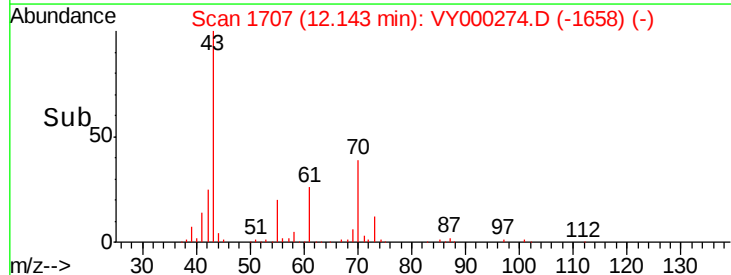
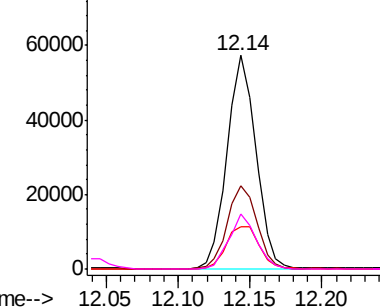


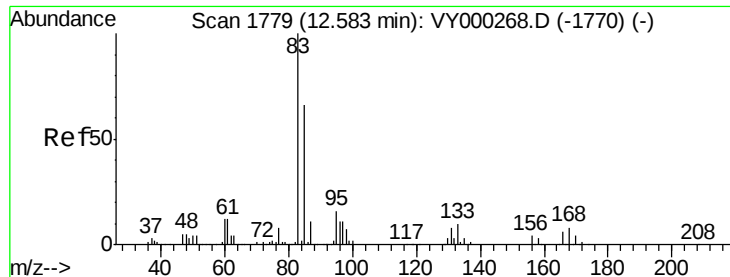
Abundance Ion 43.00 (42.70 to 43.70): VY0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.120 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

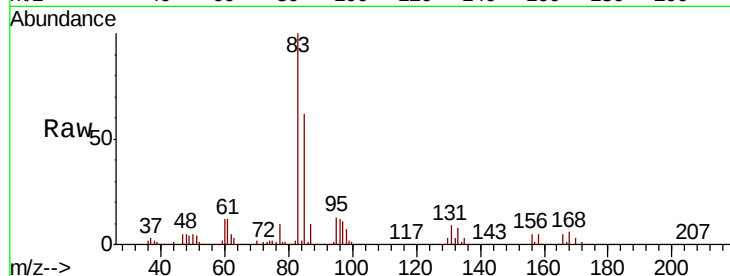
Tot Ion: 83 Resp: 57702

Ion Ratio Lower Upper

83 100

131 10.4 5.3 16.1

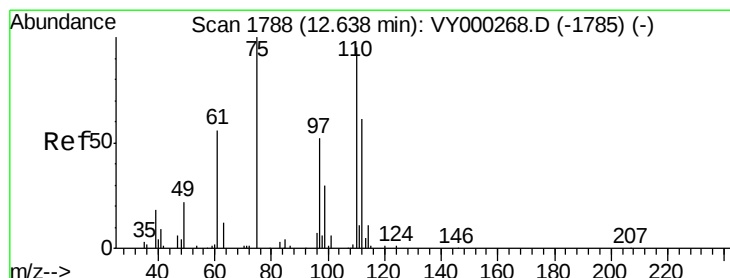
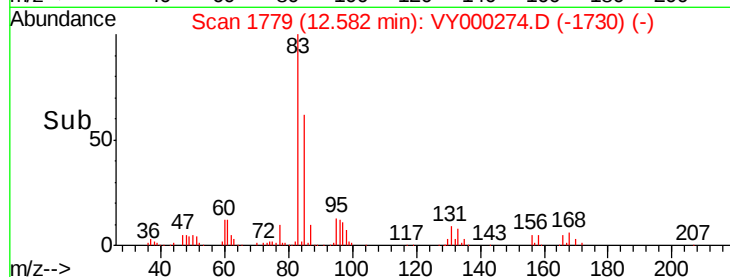
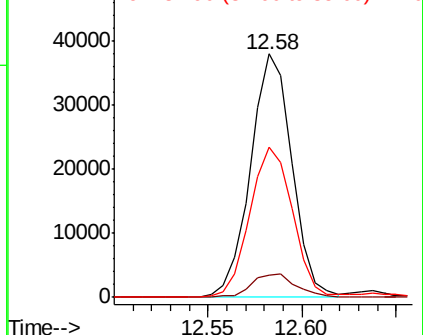
85 64.1 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VY000268.D (-1770) (-)

Ion 130.80 (130.50 to 131.50): VY000268.D (-1770) (-)

Ion 84.90 (84.60 to 85.60): VY000268.D (-1770) (-)



#76

1,2,3-Trichloropropane

Concen: 35.036 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY000274.D

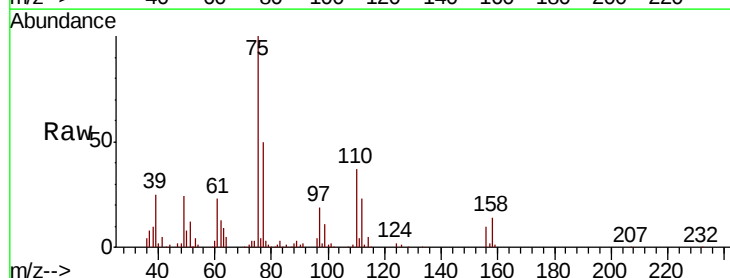
Acq: 11 Oct 2019 16:39

Tgt Ion: 75 Resp: 84396

Ion Ratio Lower Upper

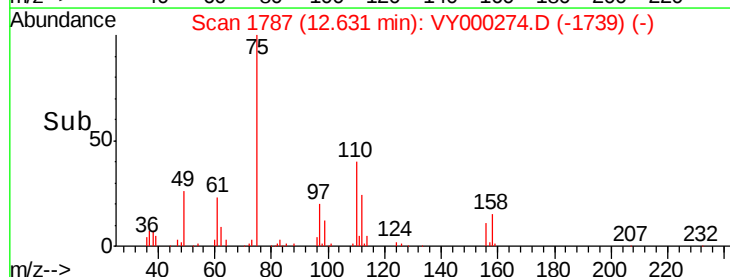
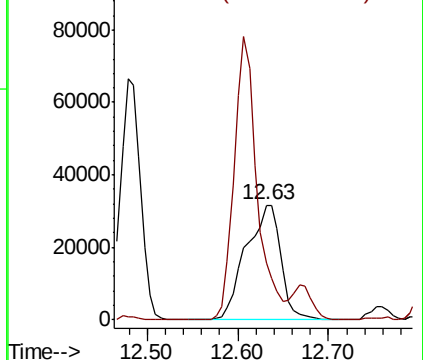
75 100

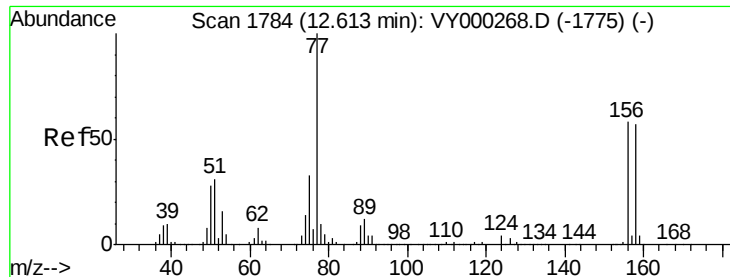
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY000268.D (-1785) (-)

Ion 77.00 (76.70 to 77.70): VY000268.D (-1785) (-)





#77

Bromobenzene

Concen: 20.476 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampled :

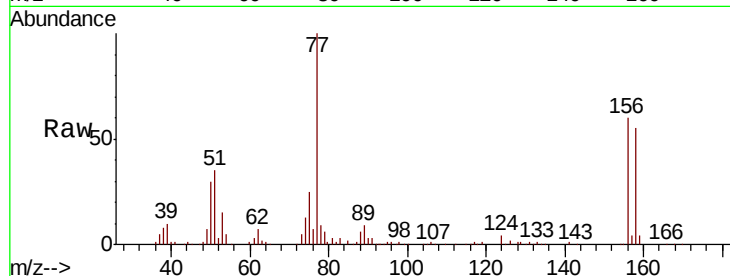
Tot Ion:156 Resp: 69598

Ion Ratio Lower Upper

156 100

77 197.0 101.0 302.9

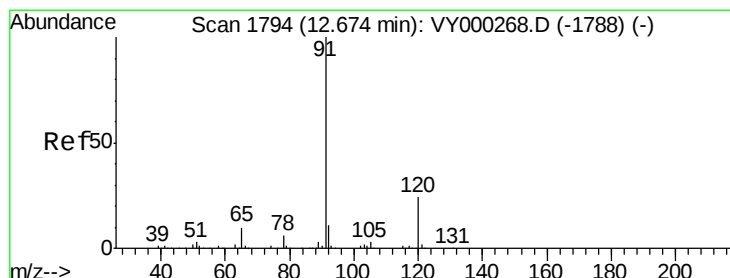
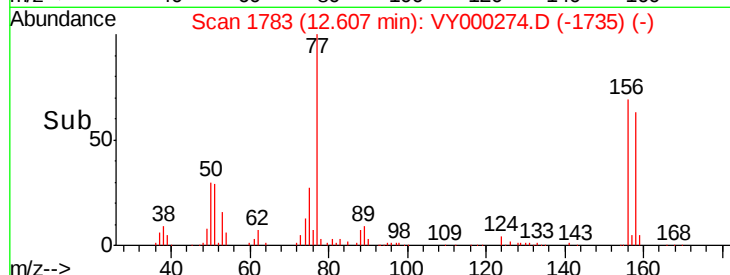
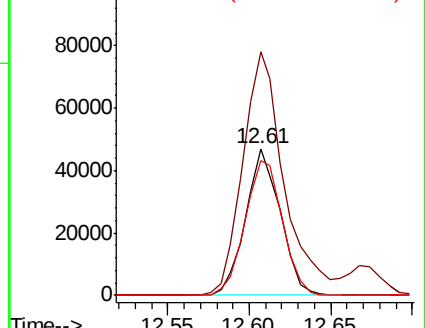
158 98.9 49.7 149.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.770 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000274.D

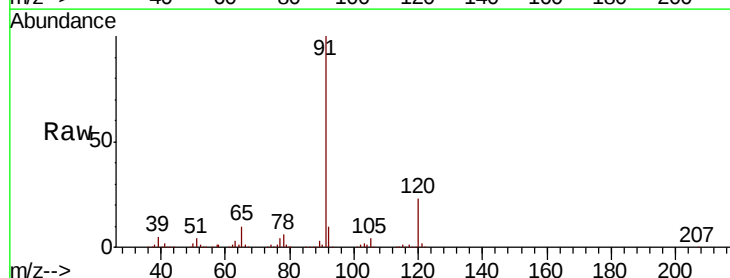
Acq: 11 Oct 2019 16:39

Tgt Ion: 91 Resp: 380915

Ion Ratio Lower Upper

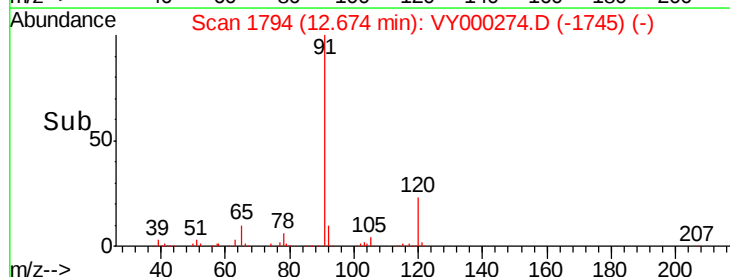
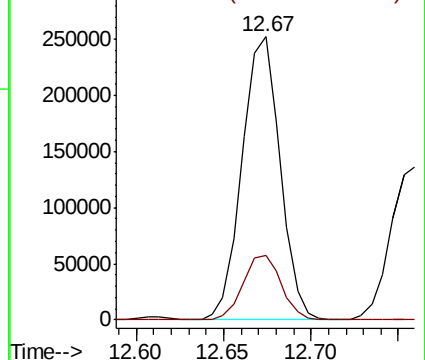
91 100

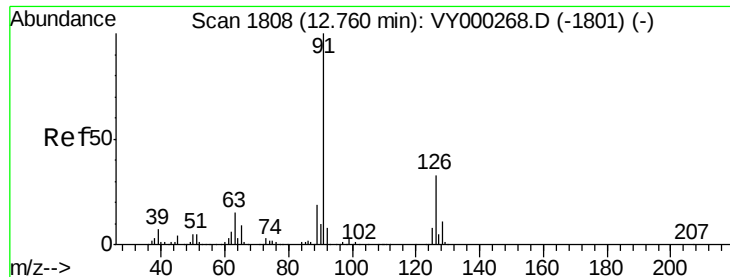
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.802 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

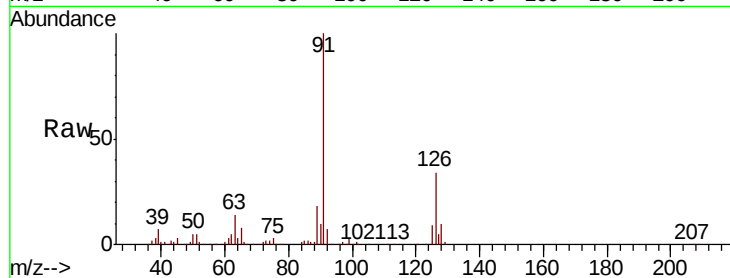
ClientSampled :

Tot Ion: 91 Resp: 210687

Ion Ratio Lower Upper

91 100

126 33.7 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VY000268.D (-1801) (-)

Ion 125.90 (125.60 to 126.60): VY000268.D (-1801) (-)

200000

150000

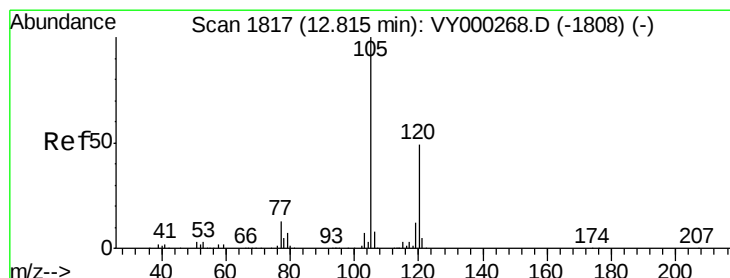
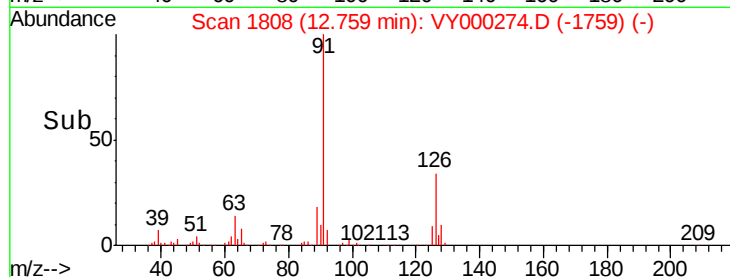
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.807 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000274.D

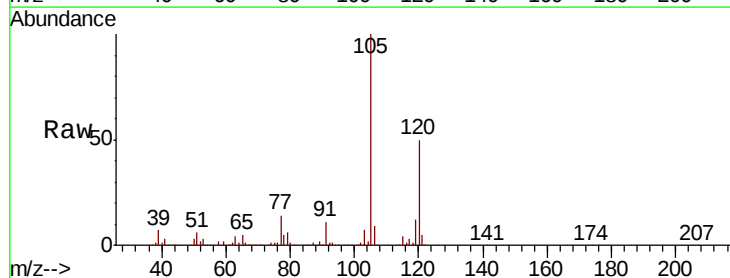
Acq: 11 Oct 2019 16:39

Tgt Ion: 105 Resp: 266501

Ion Ratio Lower Upper

105 100

120 49.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000268.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY000268.D (-1808) (-)

200000

150000

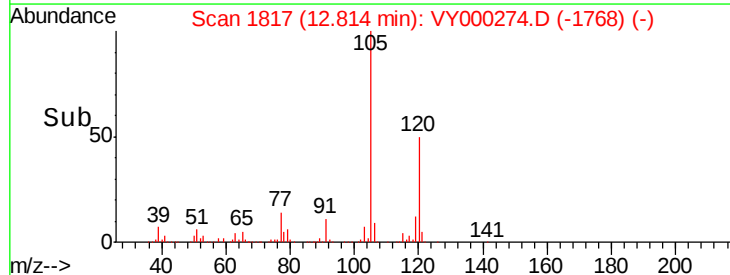
100000

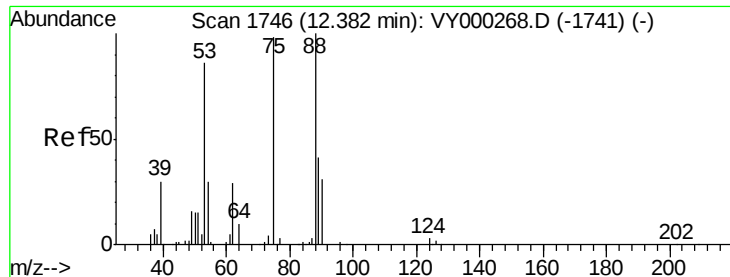
50000

0

12.80 12.81 12.82

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.289 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

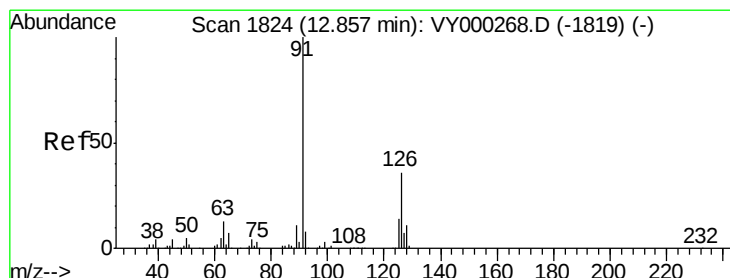
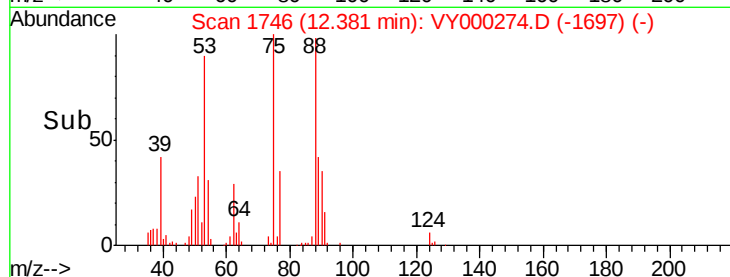
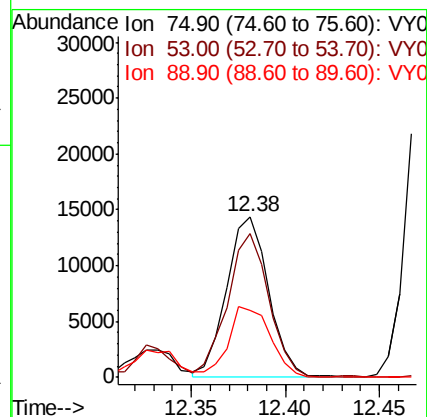
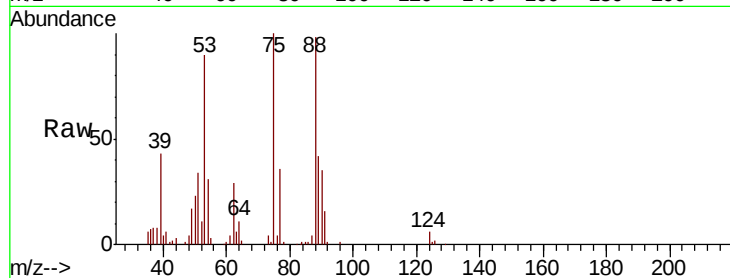
Tot Ion: 75 Resp: 22337

Ion	Ratio	Lower	Upper
75	100		
53	88.3	71.3	106.9
89	43.6	35.1	52.7

75 100

53 88.3 71.3 106.9

89 43.6 35.1 52.7



#82

4-Chlorotoluene

Concen: 20.486 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VY000274.D

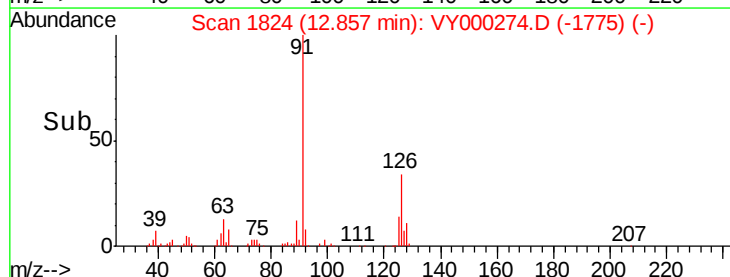
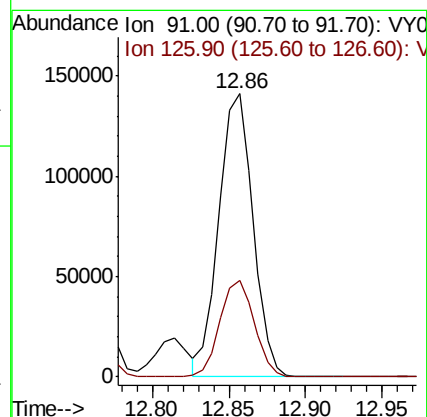
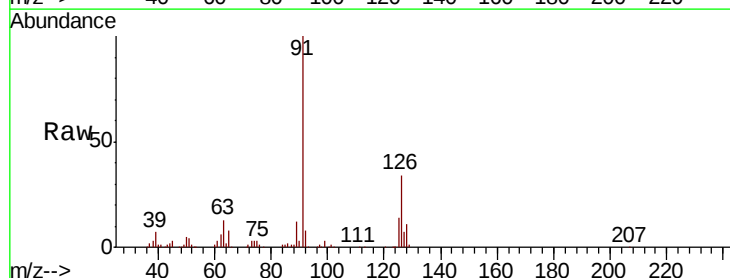
Acq: 11 Oct 2019 16:39

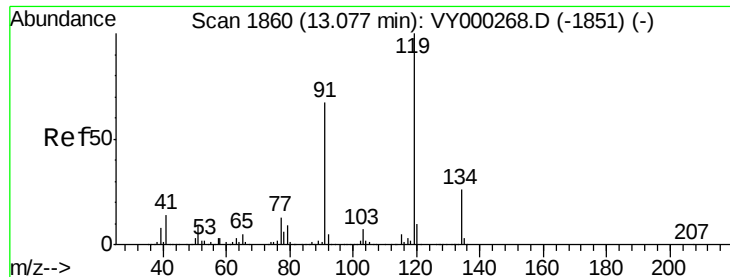
Tgt Ion: 91 Resp: 219328

Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.5

91 100

126 34.5 17.2 51.5

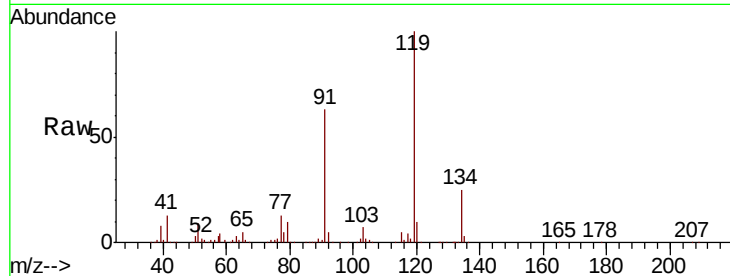




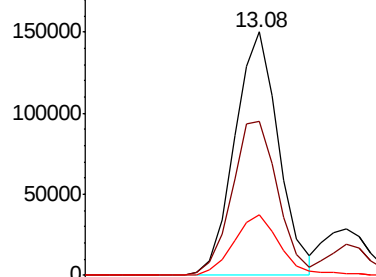
#83
tert-Butylbenzene
Concen: 20.728 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :

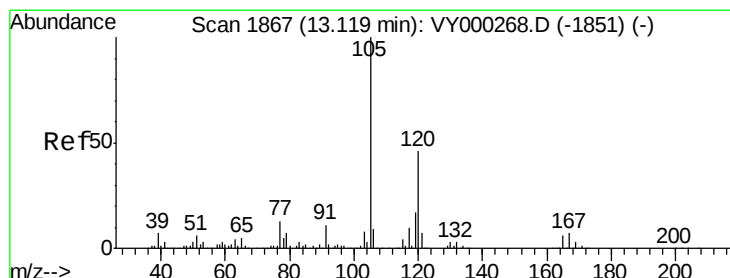
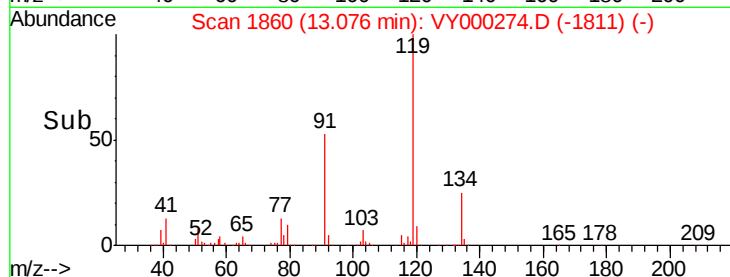
Tot Ion:119 Resp: 224831
Ion Ratio Lower Upper
119 100
91 66.2 32.9 98.7
134 26.4 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VY0
Ion 134.00 (133.70 to 134.70): V

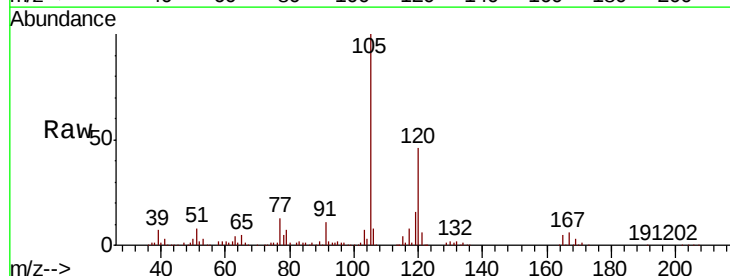


Time--> 13.00 13.05 13.10

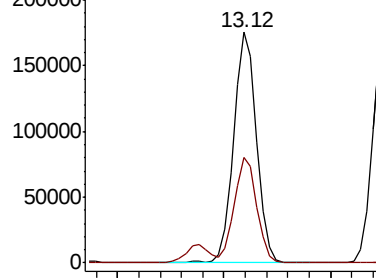


#84
1,2,4-Trimethylbenzene
Concen: 20.841 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

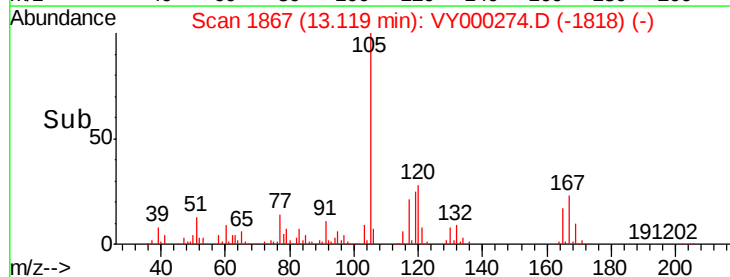
Tgt Ion:105 Resp: 263456
Ion Ratio Lower Upper
105 100
120 45.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time--> 13.00 13.10 13.20





#85

sec-Butylbenzene

Concen: 20.306 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

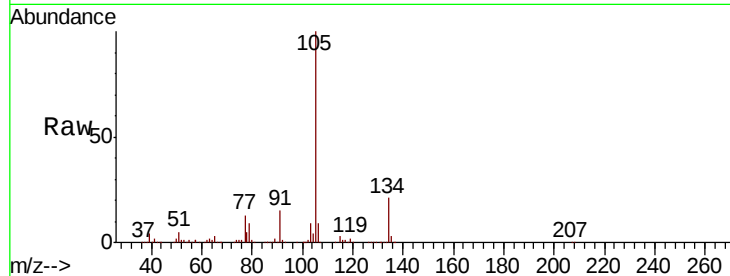
ClientSampleId :

Tot Ion:105 Resp: 318624

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

200000

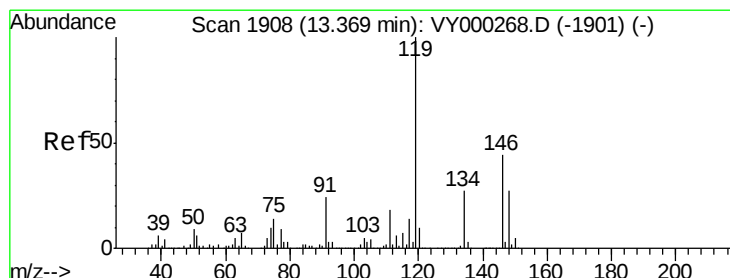
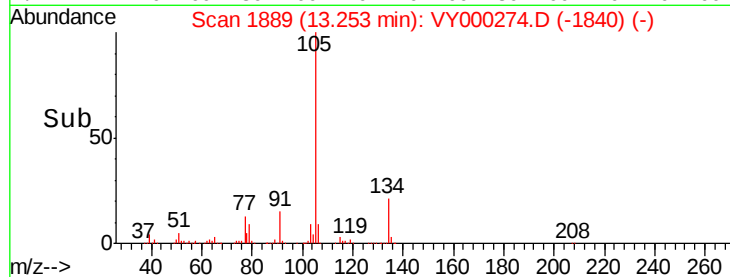
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.727 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

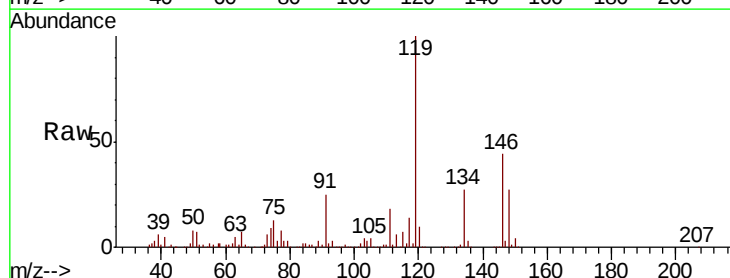
Tgt Ion:119 Resp: 283538

Ion Ratio Lower Upper

119 100

134 27.9 13.6 40.8

91 24.5 12.0 36.1



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

13.37

200000

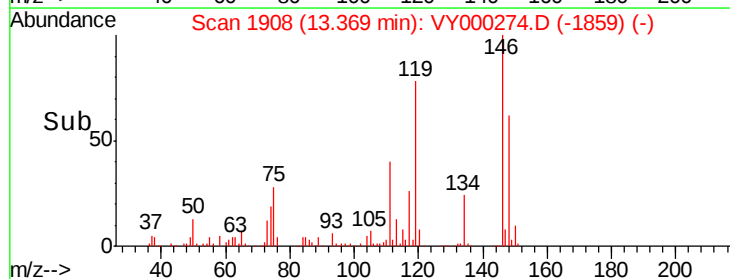
150000

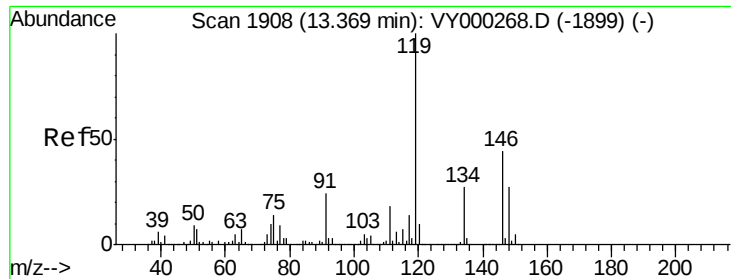
100000

50000

0

Time-->

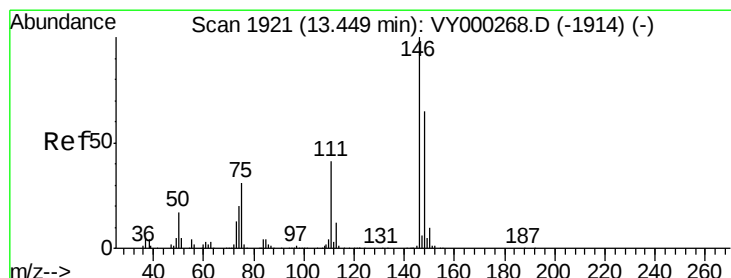
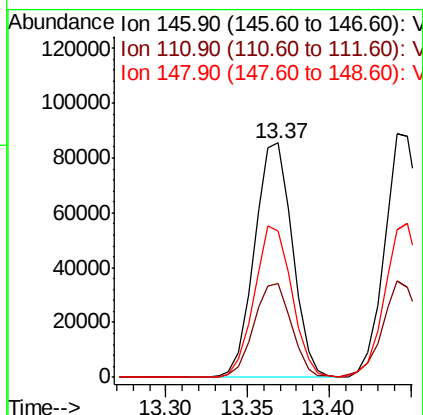
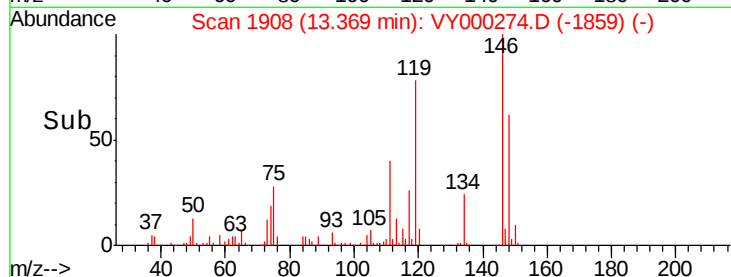
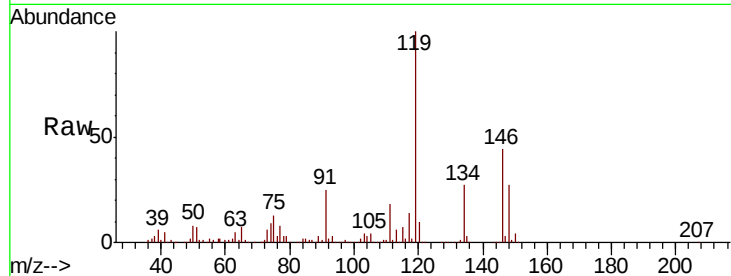




#87
 1,3-Dichlorobenzene
 Concen: 20.520 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

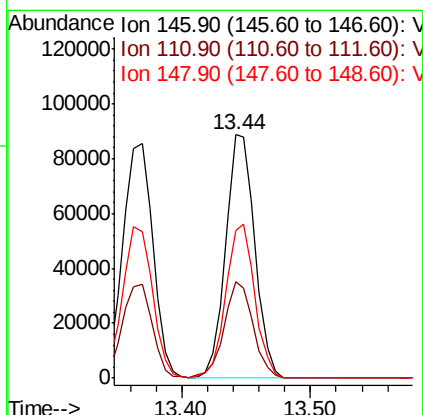
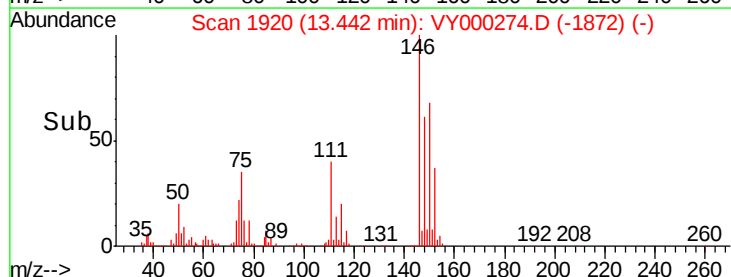
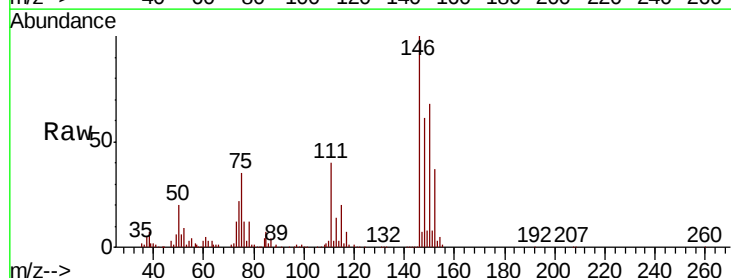
Instrument :
 MSVOA_Y
 ClientSampleId :

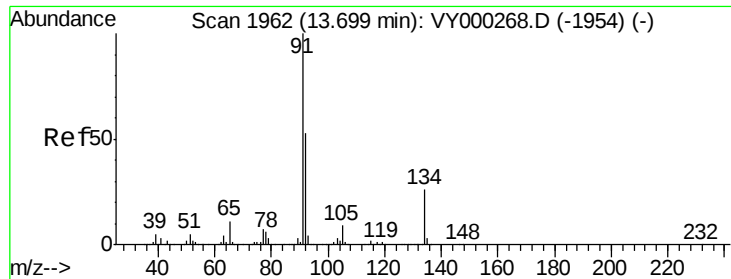
Tot Ion:146 Resp: 137422
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.6 61.8
 148 63.9 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.999 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion:146 Resp: 140559
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.1 60.2
 148 62.7 32.4 97.2





#89

n-Butylbenzene

Concen: 20.630 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

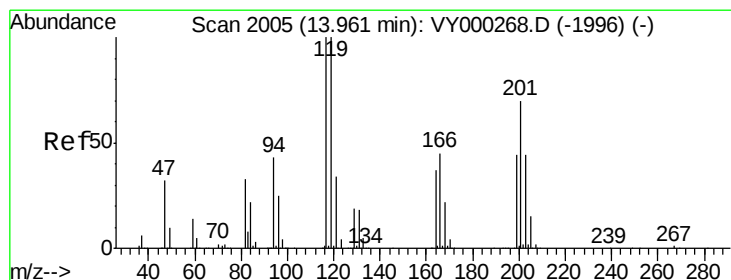
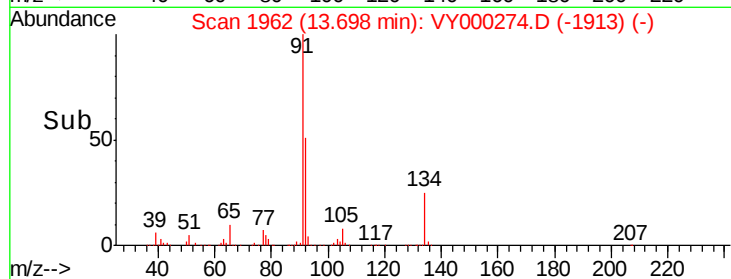
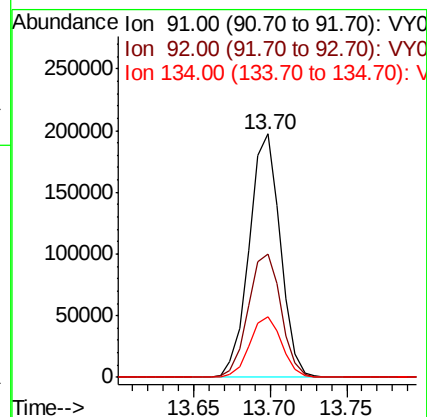
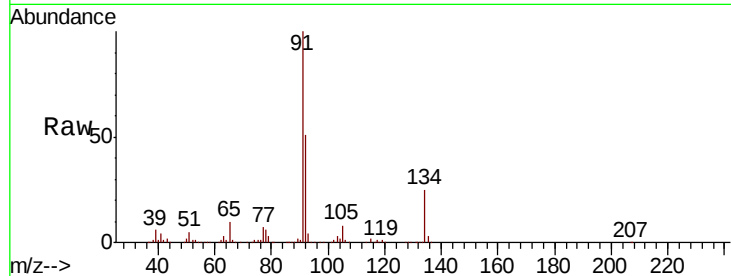
Tot Ion: 91 Resp: 278887

Ion Ratio Lower Upper

91 100

92 53.3 26.7 80.1

134 25.7 13.0 38.9



#90

Hexachloroethane

Concen: 20.320 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. -0.00 min

Lab File: VY000274.D

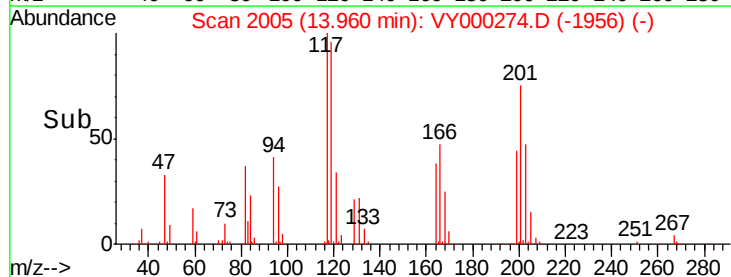
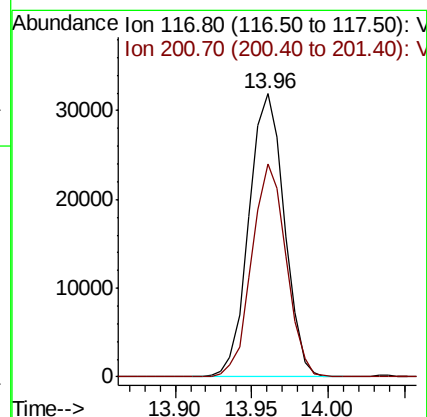
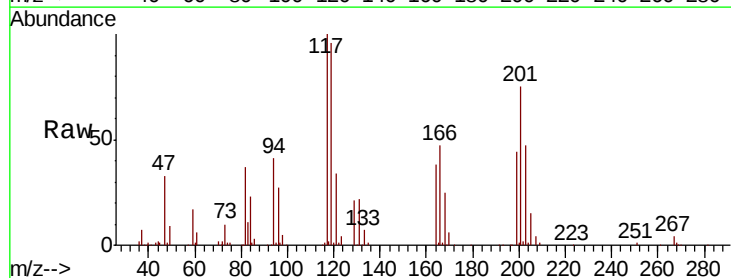
Acq: 11 Oct 2019 16:39

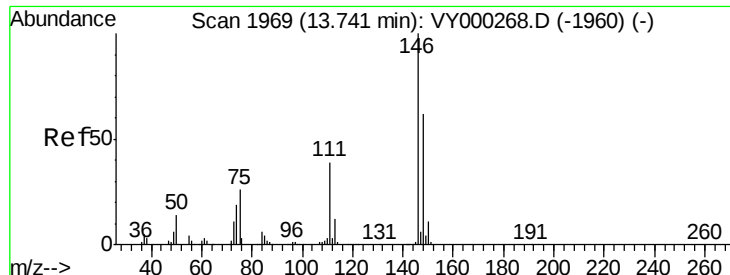
Tgt Ion: 117 Resp: 51472

Ion Ratio Lower Upper

117 100

201 73.2 36.3 108.7





#91

1,2-Dichlorobenzene

Concen: 20.833 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

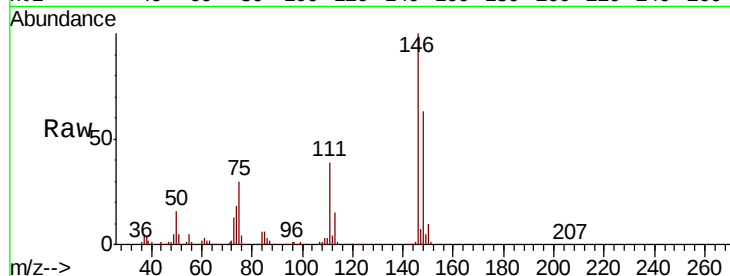
Tot Ion:146 Resp: 126261

Ion Ratio Lower Upper

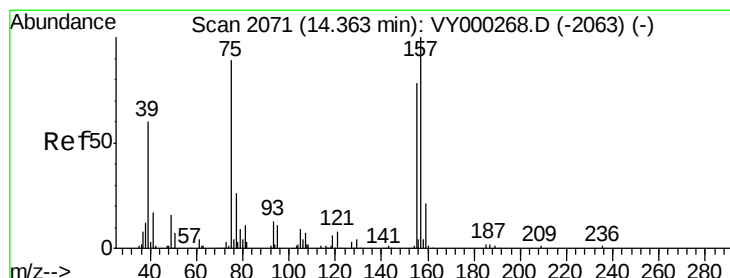
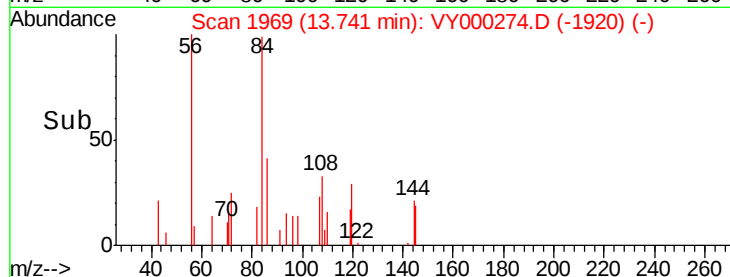
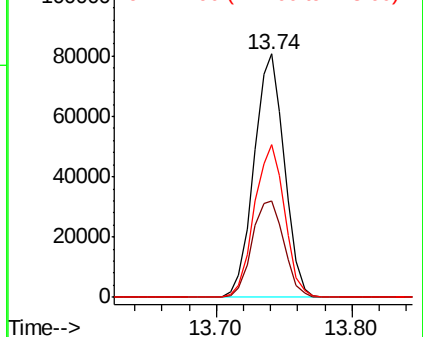
146 100

111 41.6 20.5 61.5

148 62.8 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.615 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

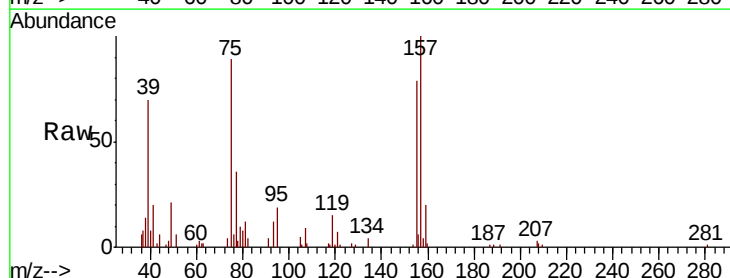
Tgt Ion: 75 Resp: 11213

Ion Ratio Lower Upper

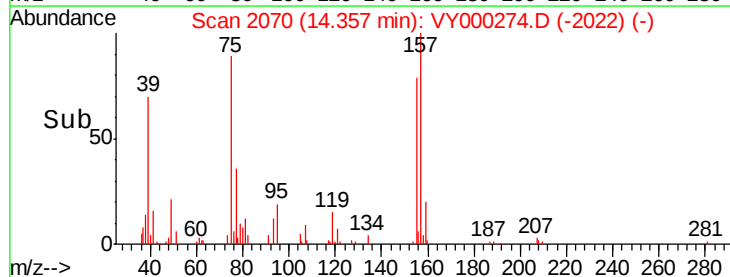
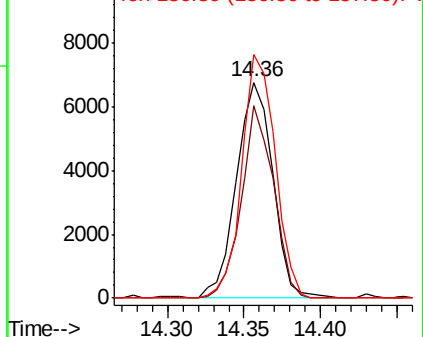
75 100

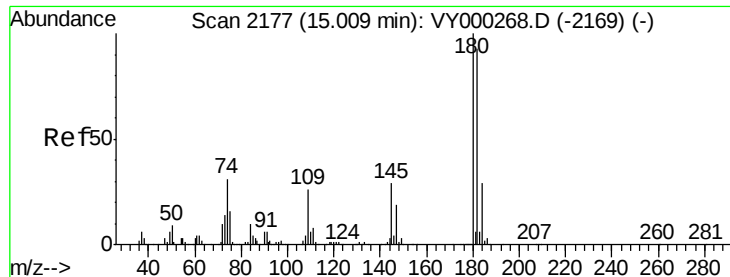
155 78.5 45.8 137.3

157 103.9 55.6 166.9



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

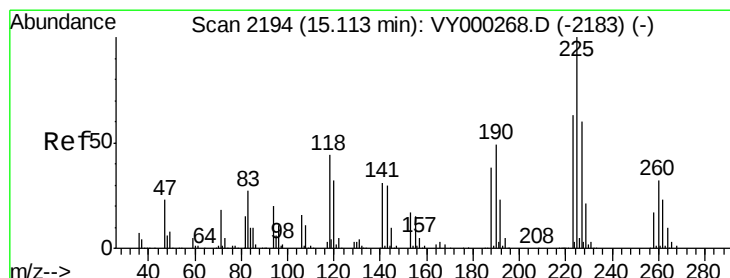
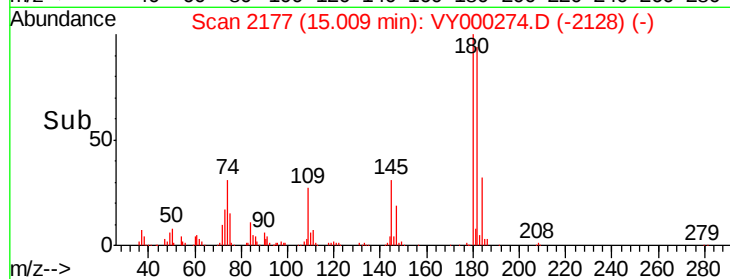
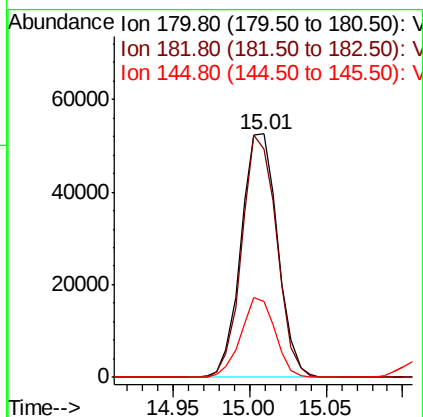
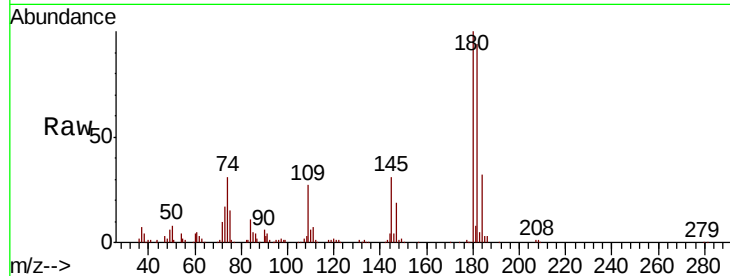




#93
 1,2,4-Trichlorobenzene
 Concen: 20.664 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

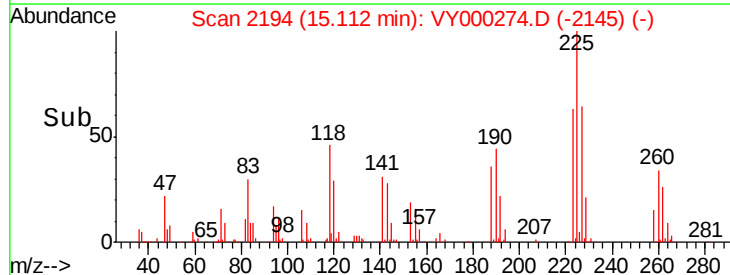
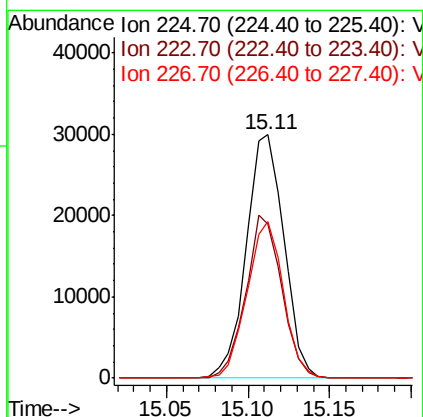
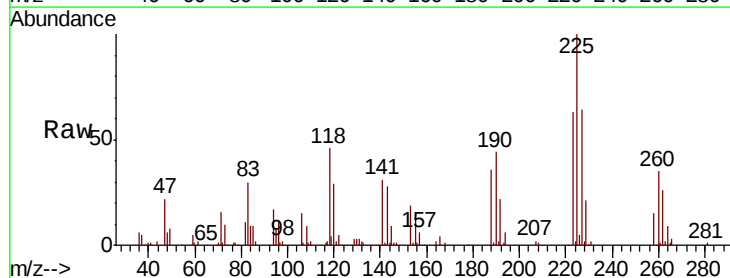
Instrument :
 MSVOA_Y
 ClientSampleId :

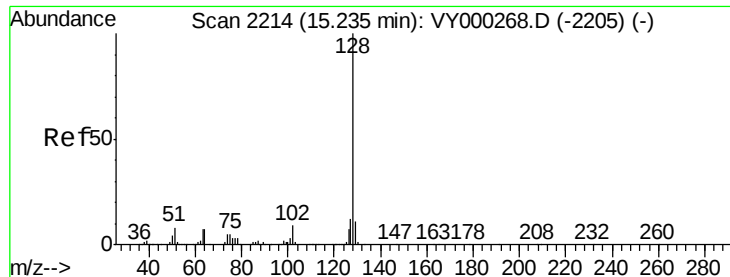
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	30.8	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 21.070 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.7
227	62.1	31.4	94.2





#95

Naphthalene

Concen: 20.455 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

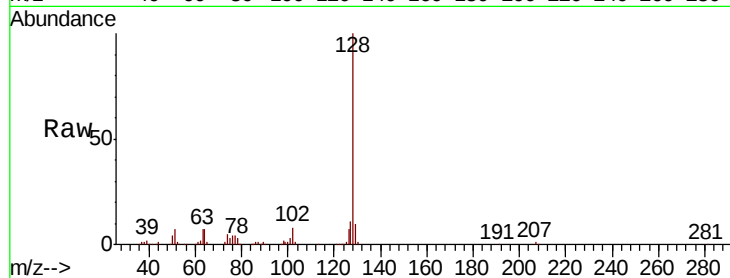
Tot Ion:128 Resp: 192620

Ion Ratio Lower Upper

128 100

127 11.5 9.6 14.4

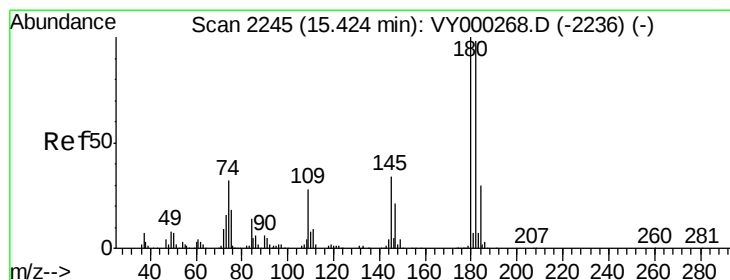
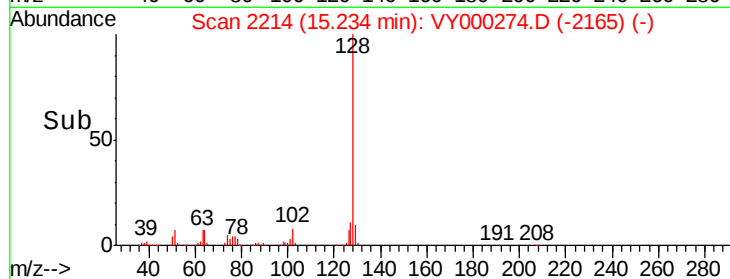
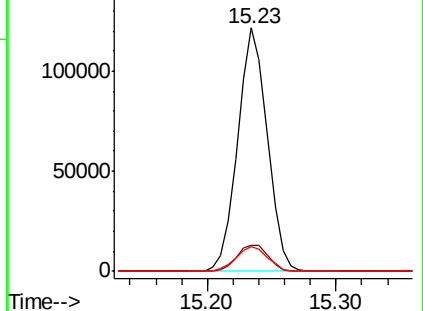
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.571 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

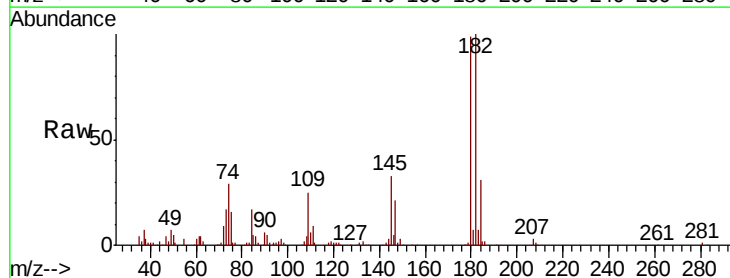
Tgt Ion:180 Resp: 78229

Ion Ratio Lower Upper

180 100

182 96.5 46.5 139.5

145 32.5 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

