

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000142.D
 Acq On : 26 Sep 2019 10:27
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 14:02:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	202141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	339939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	294275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	139382	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	8552	4.83	ug/l	0.00
Spiked Amount			Recovery	=	9.66%	
35) Dibromofluoromethane	7.72	113	7776	4.37	ug/l	0.00
Spiked Amount			Recovery	=	8.74%	
50) Toluene-d8	10.18	98	37136	4.93	ug/l	0.00
Spiked Amount			Recovery	=	9.86%	
62) 4-Bromofluorobenzene	12.47	95	13660	4.97	ug/l	0.00
Spiked Amount			Recovery	=	9.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	9247	5.755	ug/l	98
3) Chloromethane	2.11	50	15022	6.407	ug/l	97
4) Vinyl Chloride	2.24	62	13118	5.207	ug/l	99
5) Bromomethane	2.63	94	9725	5.725	ug/l	81
6) Chloroethane	2.79	64	8498	5.434	ug/l #	76
7) Trichlorofluoromethane	3.12	101	16036	5.281	ug/l	93
8) Diethyl Ether	3.53	74	6418	5.301	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.89	101	10349	5.221	ug/l	95
10) Methyl Iodide	4.09	142	12970	4.244	ug/l	97
11) Tert butyl alcohol	4.97	59	5354	30.272	ug/l #	89
12) 1,1-Dichloroethene	3.86	96	10349	4.979	ug/l #	86
13) Acrolein	3.74	56	5977	27.213	ug/l	94
14) Allyl chloride	4.47	41	13187	5.070	ug/l	93
15) Acrylonitrile	5.17	53	14749	26.789	ug/l	95
16) Acetone	3.96	43	13345	30.766	ug/l	94
17) Carbon Disulfide	4.19	76	33672	5.222	ug/l	99
18) Methyl Acetate	4.48	43	7681	5.983	ug/l	94
19) Methyl tert-butyl Ether	5.21	73	24810	5.042	ug/l	99
20) Methylene Chloride	4.71	84	15954	6.368	ug/l	89
21) trans-1,2-Dichloroethene	5.21	96	12167	5.254	ug/l	84
22) Diisopropyl ether	6.13	45	27575	5.045	ug/l	92
23) Vinyl Acetate	6.07	43	84003	24.521	ug/l	99
24) 1,1-Dichloroethane	6.02	63	17070	5.159	ug/l #	95
25) 2-Butanone	6.99	43	18687	27.496	ug/l #	82
26) 2,2-Dichloropropane	6.98	77	17084	5.678	ug/l	92
27) cis-1,2-Dichloroethene	6.99	96	13104	5.091	ug/l	91
28) Bromochloromethane	7.33	49	6480	5.140	ug/l	97
29) Tetrahydrofuran	7.36	42	10888	25.988	ug/l #	76
30) Chloroform	7.51	83	18838	5.439	ug/l	88
31) Cyclohexane	7.79	56	20323	5.941	ug/l #	85
32) 1,1,1-Trichloroethane	7.70	97	15483	5.098	ug/l	97
36) 1,1-Dichloropropene	7.93	75	15729	5.568	ug/l	95
37) Ethyl Acetate	7.08	43	8549	5.729	ug/l	99
38) Carbon Tetrachloride	7.89	117	13808	5.007	ug/l #	85

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 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 14:02:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:00:10 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.18	83	21001	5.241	ug/l	95
40) Benzene	8.16	78	46132	5.170	ug/l	97
41) Methacrylonitrile	7.31	41	3530	4.363	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	11248	5.180	ug/l	96
43) Isopropyl Acetate	8.28	43	14145	5.131	ug/l	98
44) Trichloroethene	8.94	130	14378	5.042	ug/l	83
45) 1,2-Dichloropropane	9.22	63	9899	5.029	ug/l	89
46) Dibromomethane	9.31	93	6380	5.311	ug/l	94
47) Bromodichloromethane	9.50	83	13386	4.943	ug/l	99
48) Methyl methacrylate	9.30	41	6612	5.356	ug/l	93
49) 1,4-Dioxane	9.30	88	2039	109.855	ug/l #	89
51) 4-Methyl-2-Pentanone	10.07	43	36178	25.285	ug/l	96
52) Toluene	10.24	92	30570	5.290	ug/l	93
53) t-1,3-Dichloropropene	10.46	75	13721	4.824	ug/l	91
54) cis-1,3-Dichloropropene	9.92	75	16760	4.972	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	9787	5.479	ug/l	94
56) Ethyl methacrylate	10.51	69	11703	5.036	ug/l	94
57) 1,3-Dichloropropane	10.78	76	15011	5.229	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	28987	26.559	ug/l	99
59) 2-Hexanone	10.83	43	24851	24.438	ug/l	97
60) Dibromochloromethane	10.99	129	10157	5.030	ug/l	95
61) 1,2-Dibromoethane	11.08	107	8522	4.999	ug/l	100
64) Tetrachloroethene	10.72	164	14659	5.029	ug/l	96
65) Chlorobenzene	11.52	112	32423	5.294	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	10482	5.065	ug/l	98
67) Ethyl Benzene	11.59	91	54915	5.246	ug/l	96
68) m/p-Xylenes	11.70	106	44140	10.430	ug/l	97
69) o-Xylene	12.02	106	21399	5.302	ug/l	96
70) Styrene	12.04	104	34022	4.981	ug/l	98
71) Bromoform	12.20	173	5740	4.720	ug/l #	100
73) Isopropylbenzene	12.33	105	52532	5.224	ug/l	100
74) N-amyl acetate	12.14	43	12081	4.963	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	9633	6.154	ug/l	96
76) 1,2,3-Trichloropropane	12.63	75	12555	9.145	ug/l #	100
77) Bromobenzene	12.60	156	13188	5.308	ug/l	98
78) n-propylbenzene	12.67	91	63646	5.309	ug/l	95
79) 2-Chlorotoluene	12.75	91	34189	5.242	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	43809	5.237	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	3750	5.327	ug/l	98
82) 4-Chlorotoluene	12.85	91	35392	5.208	ug/l	99
83) tert-Butylbenzene	13.07	119	35477	4.925	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	45598	5.394	ug/l	98
85) sec-Butylbenzene	13.25	105	54915	5.310	ug/l	99
86) p-Isopropyltoluene	13.36	119	48473	5.263	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	26167	5.497	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	24936	5.263	ug/l	94
89) n-Butylbenzene	13.69	91	44246	5.055	ug/l	96
90) Hexachloroethane	13.95	117	9061	5.207	ug/l	92
91) 1,2-Dichlorobenzene	13.74	146	23397	5.380	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.34	75	1792	5.802	ug/l	86

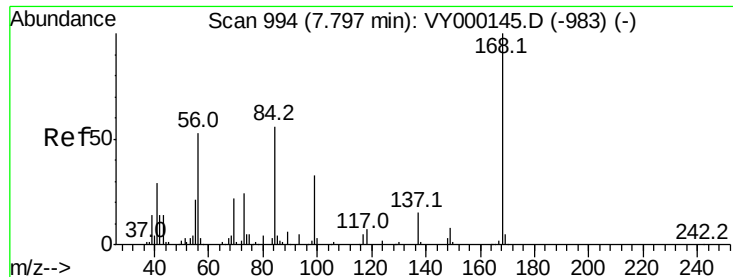
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
Data File : VY000142.D
Acq On : 26 Sep 2019 10:27
Operator : SY/MD
Sample : VSTDICC005
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Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 26 14:02:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 26 14:00:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	15579	5.163	ug/l	96
94) Hexachlorobutadiene	15.11	225	7374	5.009	ug/l	95
95) Naphthalene	15.23	128	36311	5.374	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	13358	4.936	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

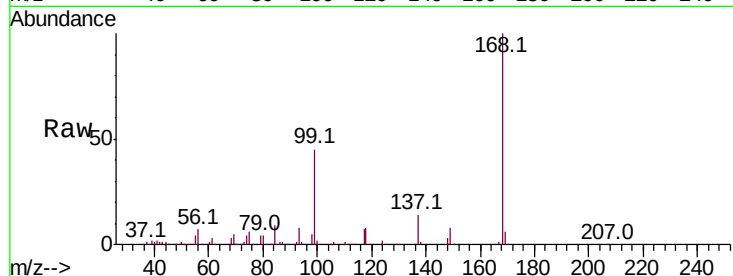
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 202141

Ion Ratio Lower Upper

168 100

99 44.8 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): VY000145.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000145.D (-983) (-)

7.80

80000

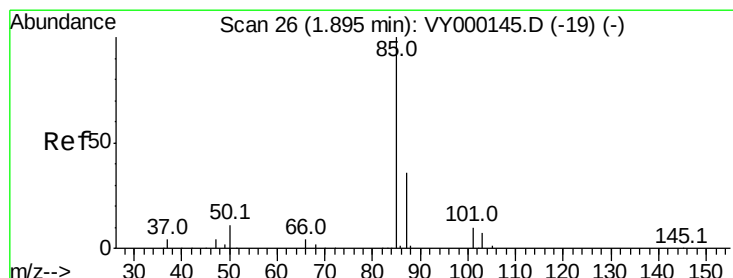
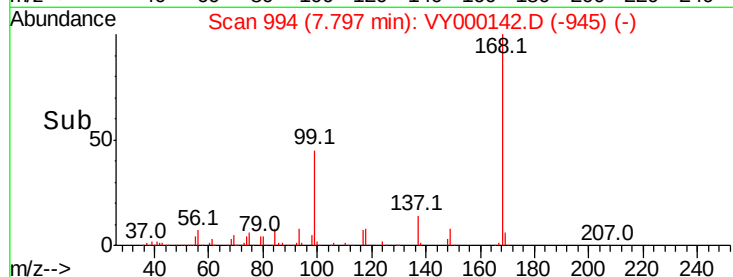
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.755 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.01 min

Lab File: VY000142.D

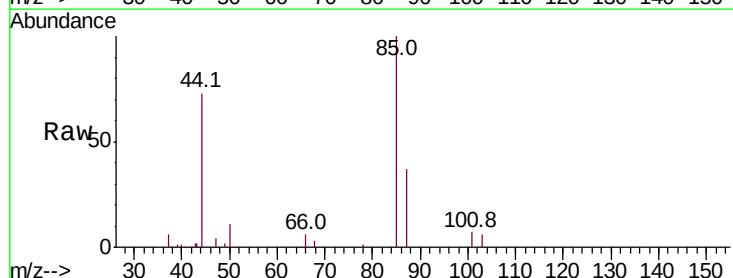
Acq: 26 Sep 2019 10:27

Tgt Ion: 85 Resp: 9247

Ion Ratio Lower Upper

85 100

87 37.3 17.9 53.8



Abundance Ion 84.90 (84.60 to 85.60): VY000145.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY000145.D (-19) (-)

1.90

6000

5000

4000

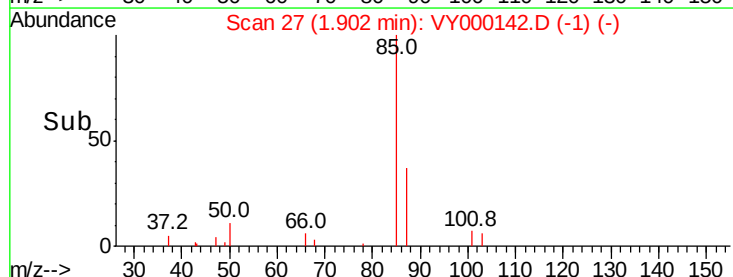
3000

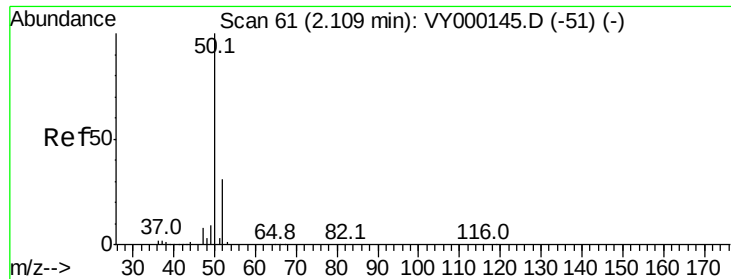
2000

1000

0

Time-->





#3

Chloromethane

Concen: 6.407 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

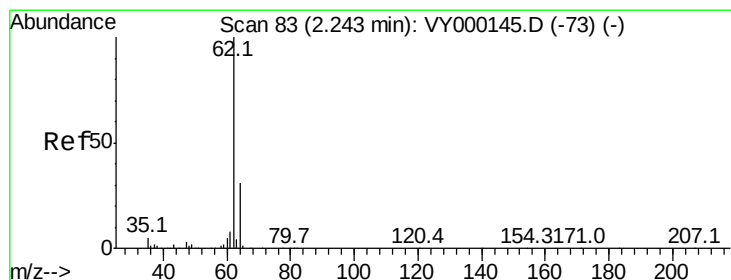
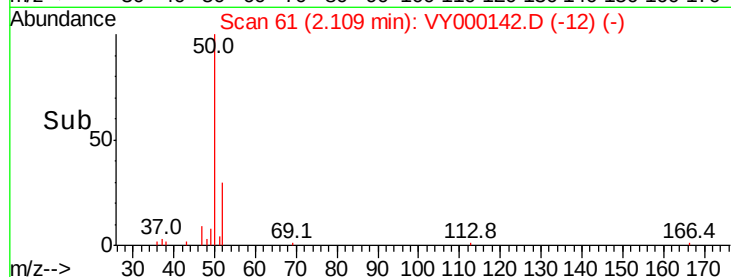
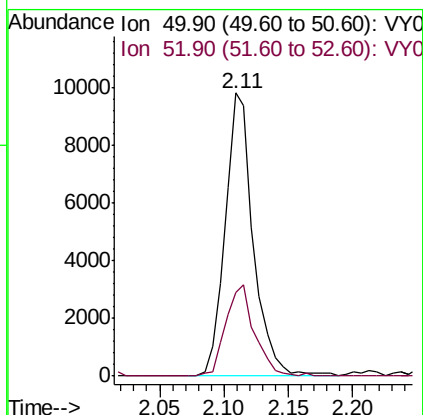
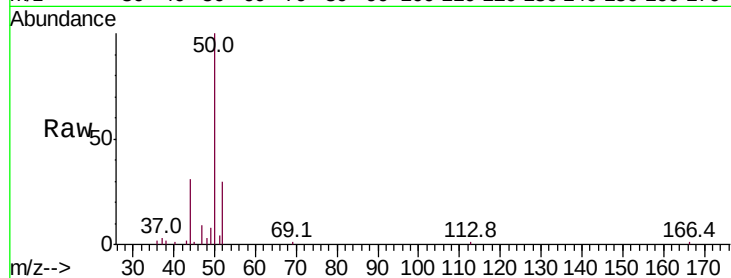
ClientSampled :

Tot Ion: 50 Resp: 15022

Ion Ratio Lower Upper

50 100

52 29.5 25.0 37.6



#4

Vinyl Chloride

Concen: 5.207 ug/l

RT: 2.24 min Scan# 83

Delta R.T. 0.00 min

Lab File: VY000142.D

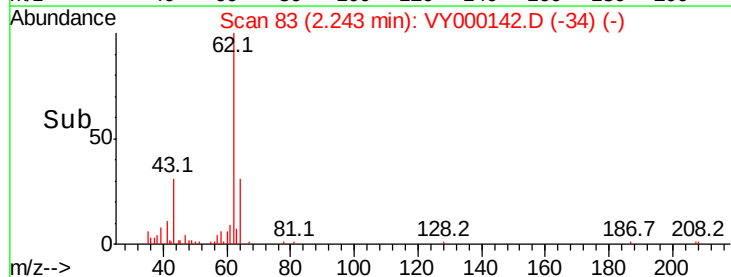
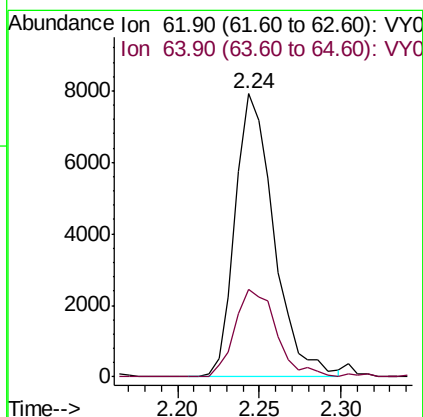
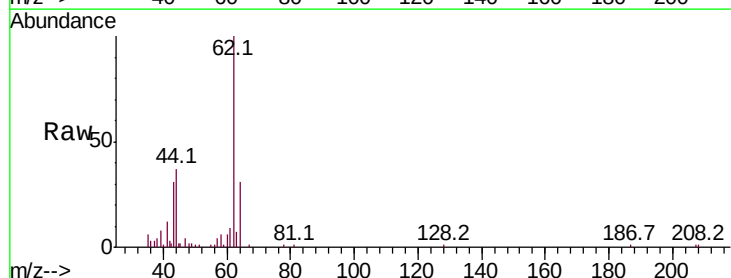
Acq: 26 Sep 2019 10:27

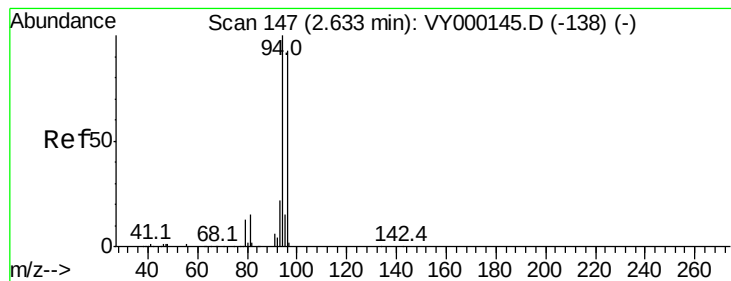
Tgt Ion: 62 Resp: 13118

Ion Ratio Lower Upper

62 100

64 31.1 24.5 36.7





#5

Bromomethane

Concen: 5.725 ug/l

RT: 2.63 min Scan# 146

Delta R.T. -0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

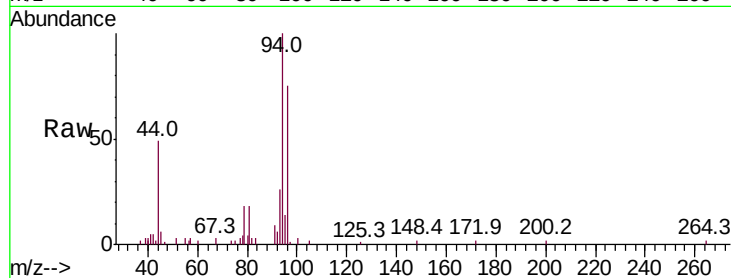
ClientSampleId :

Tot Ion: 94 Resp: 9725

Ion Ratio Lower Upper

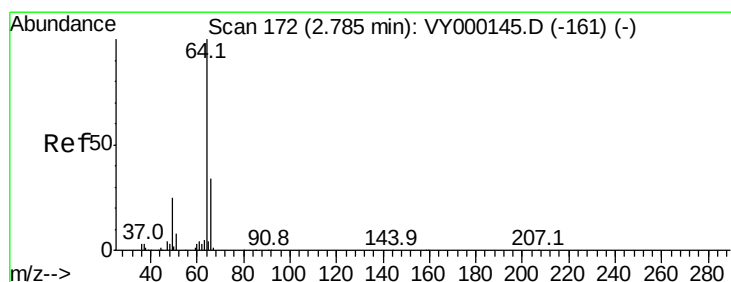
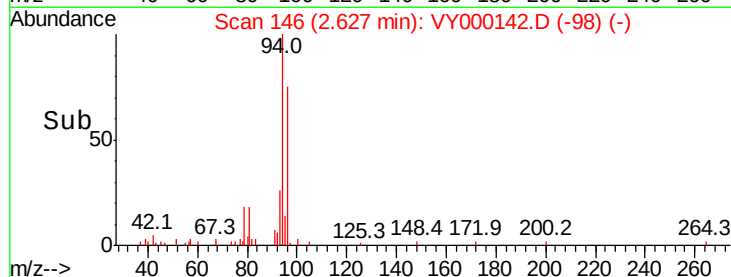
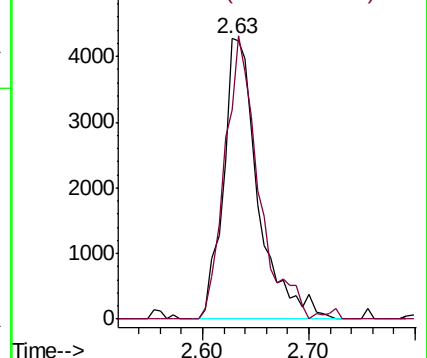
94 100

96 74.6 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.434 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.01 min

Lab File: VY000142.D

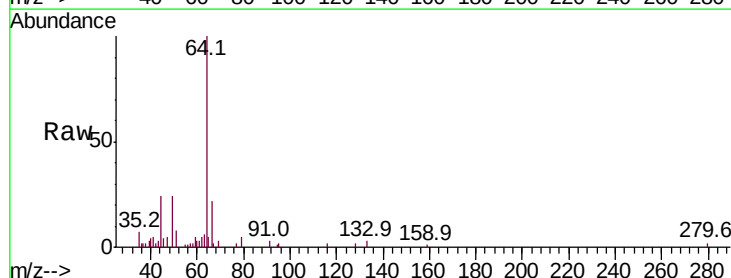
Acq: 26 Sep 2019 10:27

Tgt Ion: 64 Resp: 8498

Ion Ratio Lower Upper

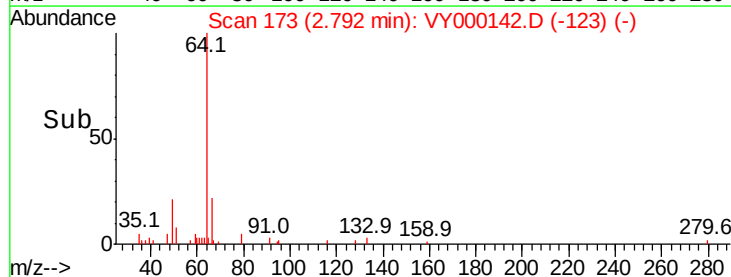
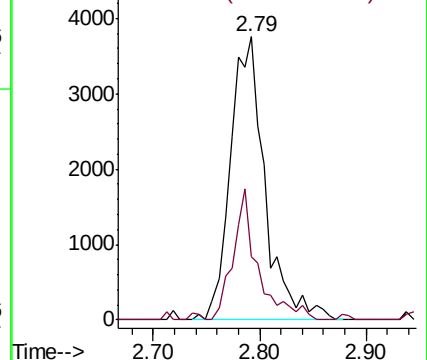
64 100

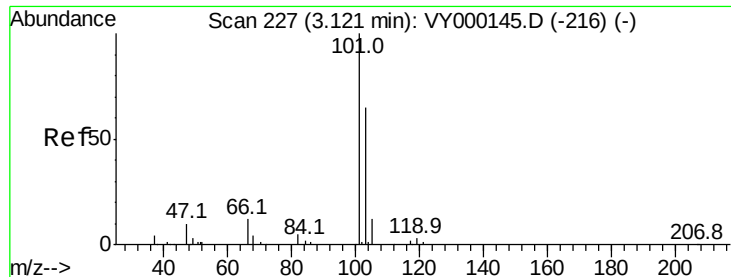
66 20.4 27.4 41.0#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



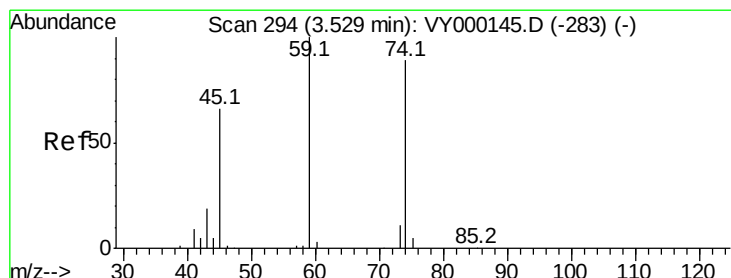
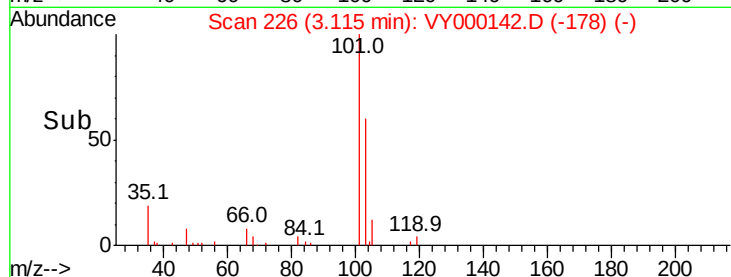
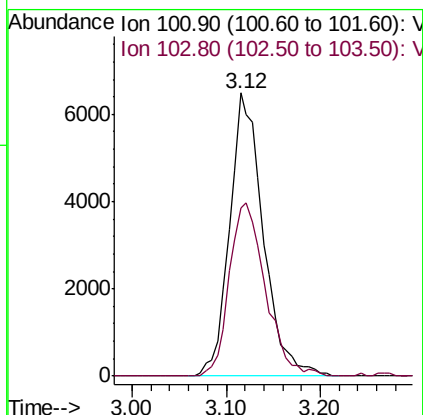
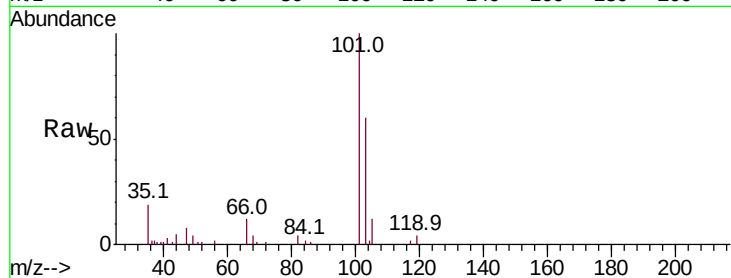


#7

Trichlorofluoromethane
 Concen: 5.281 ug/l
 RT: 3.12 min Scan# 226
 Delta R.T. -0.01 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Instrument :
 MSVOA_Y
 ClientSampleId :

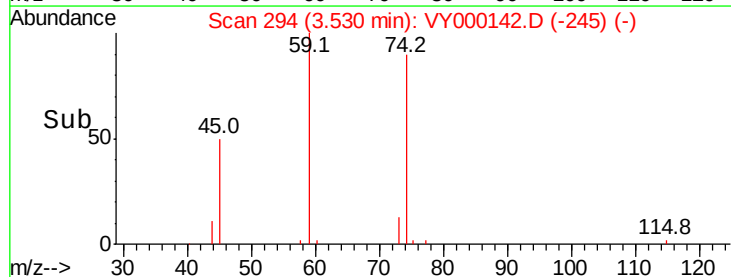
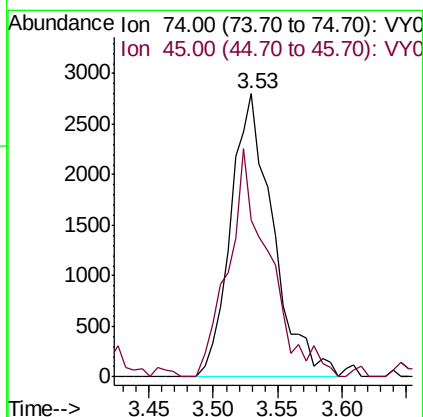
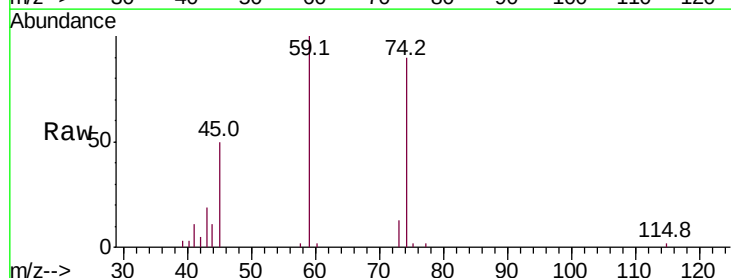
Tot Ion:101 Resp: 16036
 Ion Ratio Lower Upper
 101 100
 103 59.5 51.9 77.9

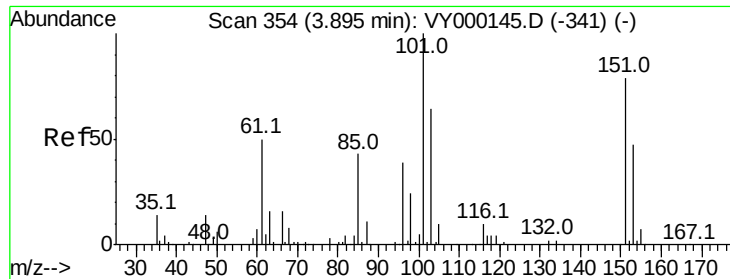


#8

Diethyl Ether
 Concen: 5.301 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Tgt Ion: 74 Resp: 6418
 Ion Ratio Lower Upper
 74 100
 45 77.1 37.7 113.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.221 ug/l

RT: 3.89 min Scan# 353

Delta R.T. -0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

ClientSampleId :

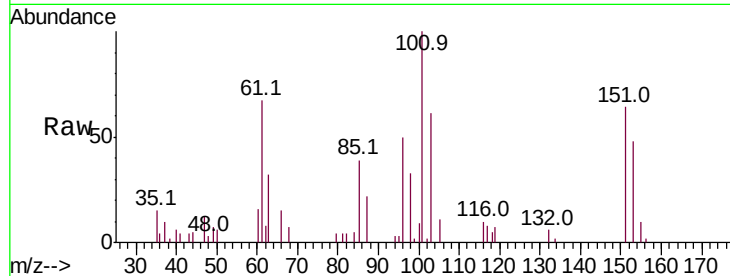
Tot Ion:101 Resp: 10349

Ion Ratio Lower Upper

101 100

85 39.3 34.8 52.2

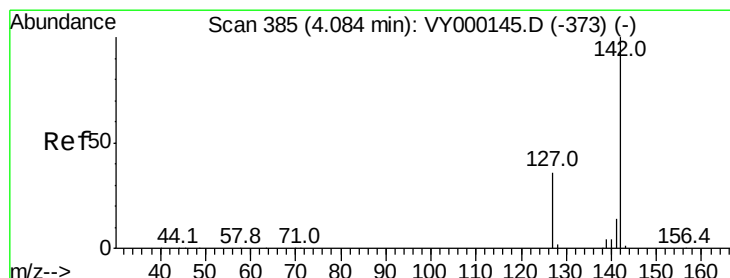
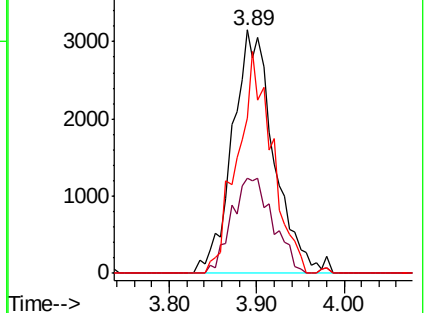
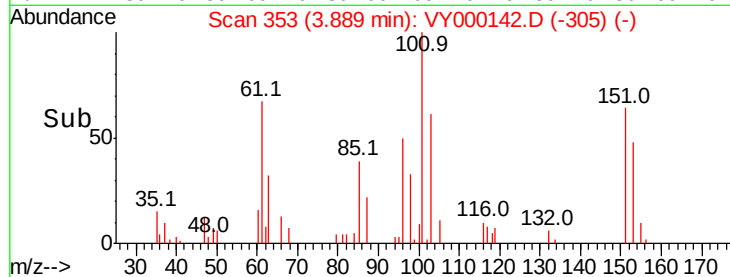
151 76.6 64.0 96.0



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: 4.244 ug/l

RT: 4.09 min Scan# 386

Delta R.T. 0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

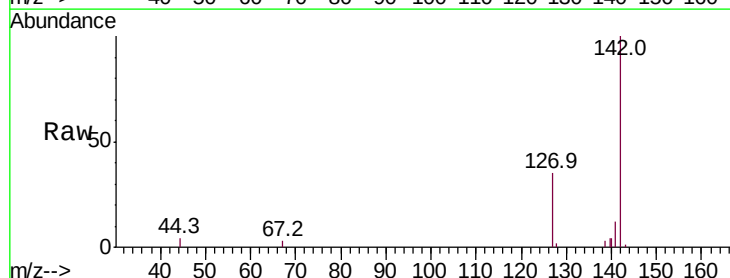
Tgt Ion:142 Resp: 12970

Ion Ratio Lower Upper

142 100

127 39.3 30.0 45.0

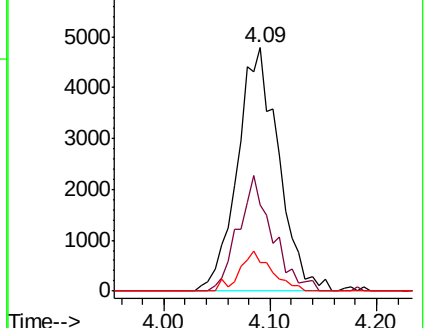
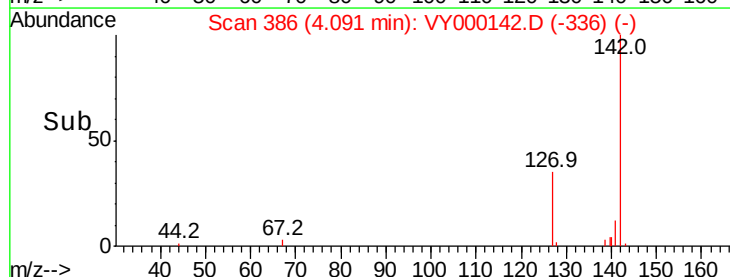
141 12.7 11.0 16.6

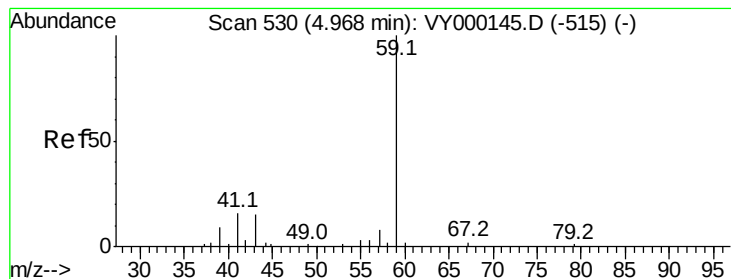


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



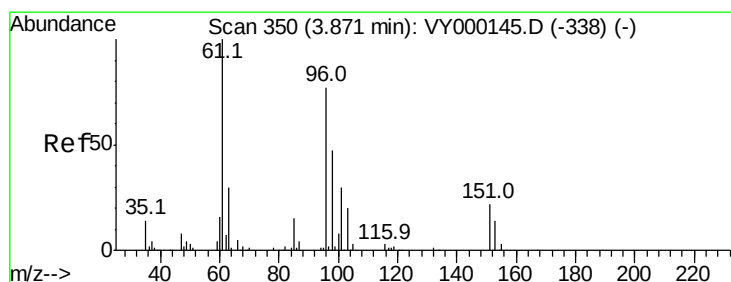
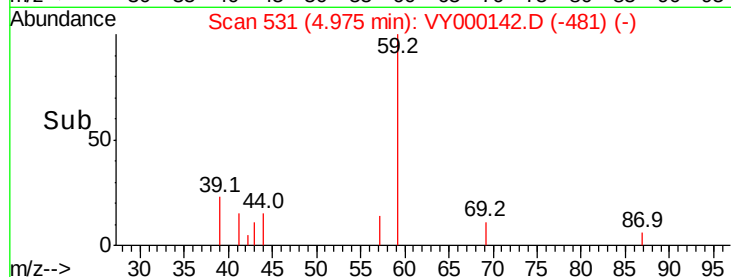
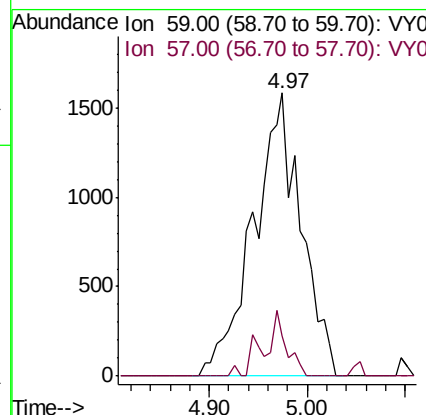
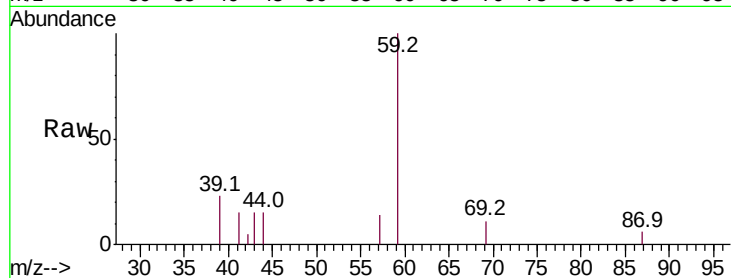


#11

Tert butyl alcohol
 Concen: 30.272 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Instrument :
 MSVOA_Y
 ClientSampleId :

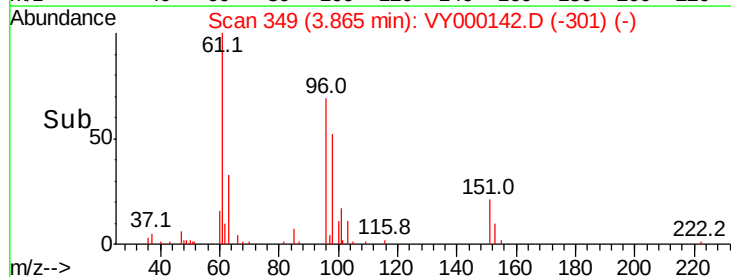
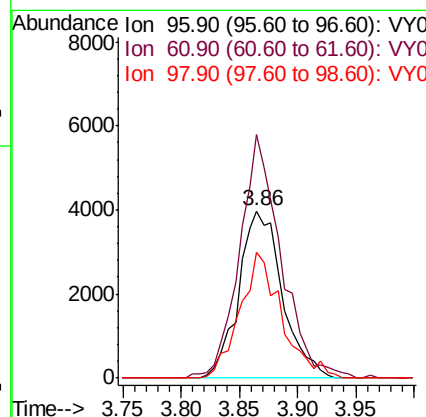
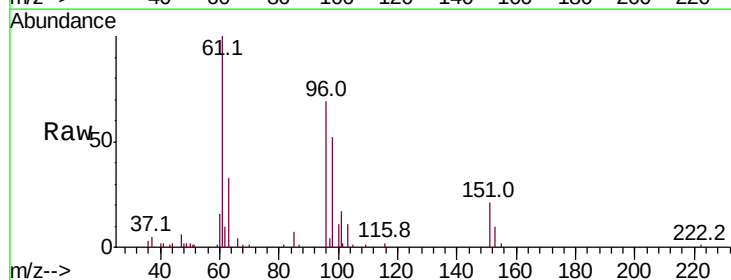
Tot Ion: 59 Resp: 5354
 Ion Ratio Lower Upper
 59 100
 57 7.0 8.9 13.3#

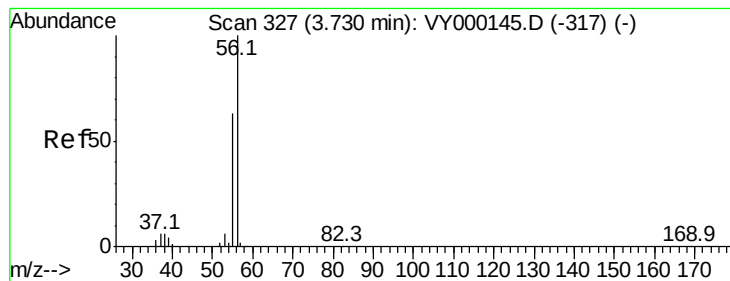


#12

1,1-Dichloroethene
 Concen: 4.979 ug/l
 RT: 3.86 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Tgt Ion: 96 Resp: 10349
 Ion Ratio Lower Upper
 96 100
 61 143.4 103.6 155.4
 98 75.2 48.7 73.1#





#13

Acrolein

Concen: 27.213 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

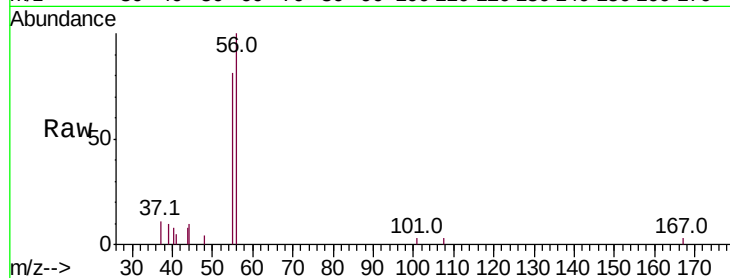
ClientSampleId :

Tot Ion: 56 Resp: 5977

Ion Ratio Lower Upper

56 100

55 70.8 53.1 79.7



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.74

2000

1500

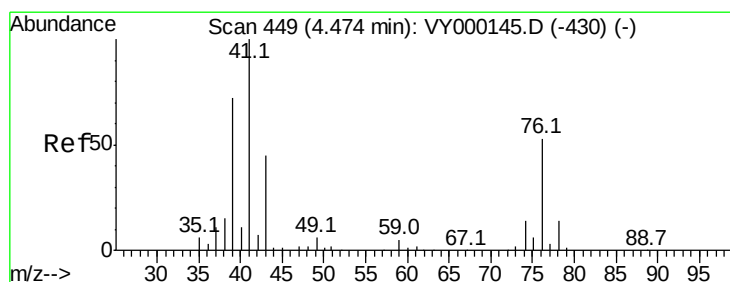
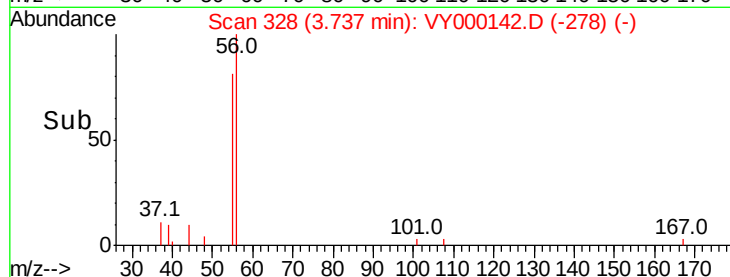
1000

500

0

3.65 3.70 3.75 3.80 3.85

Time-->



#14

Allyl chloride

Concen: 5.070 ug/l

RT: 4.47 min Scan# 449

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

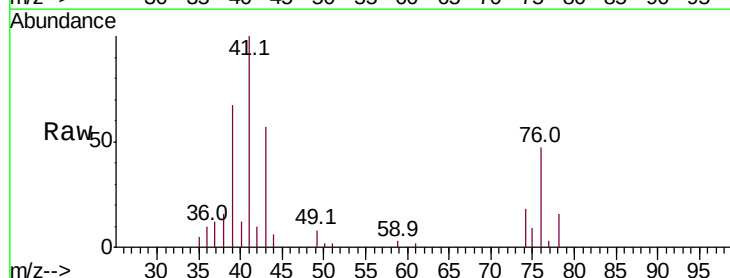
Tgt Ion: 41 Resp: 13187

Ion Ratio Lower Upper

41 100

39 76.9 54.6 82.0

76 48.1 39.0 58.6



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

4.47

5000

4000

3000

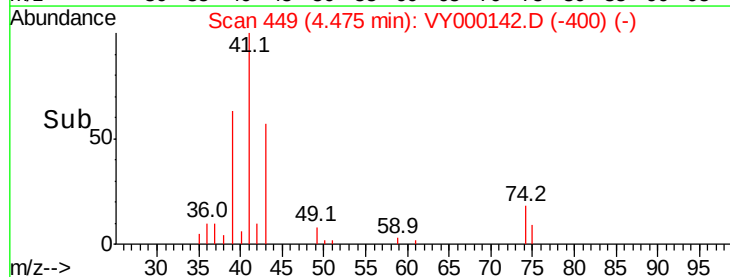
2000

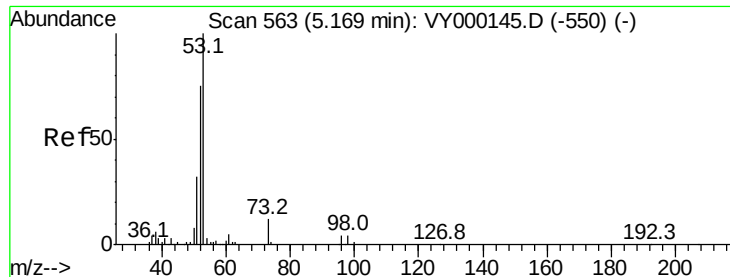
1000

0

4.40 4.50 4.60

Time-->





#15

Acrylonitrile

Concen: 26.789 ug/l

RT: 5.17 min Scan# 563

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

ClientSampleId :

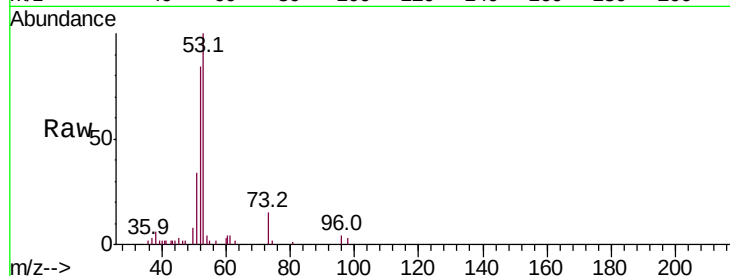
Tot Ion: 53 Resp: 14749

Ion Ratio Lower Upper

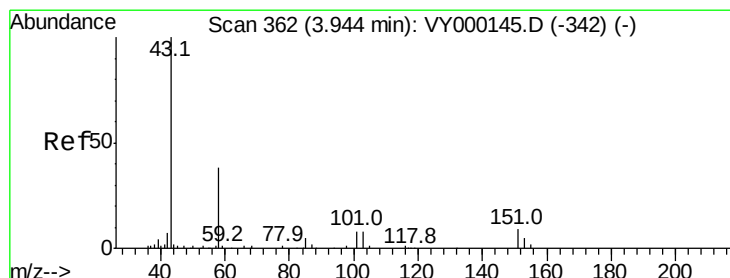
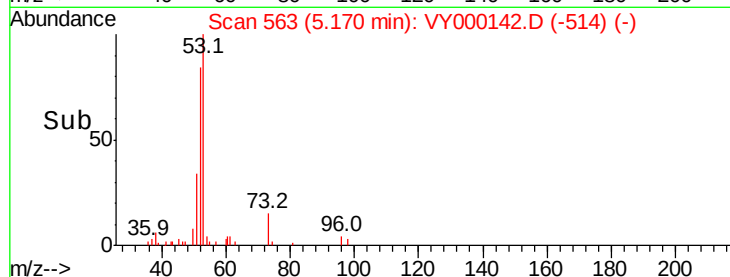
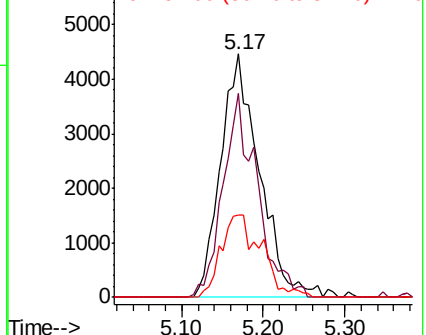
53 100

52 73.6 62.9 94.3

51 35.4 27.5 41.3



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: 30.766 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000142.D

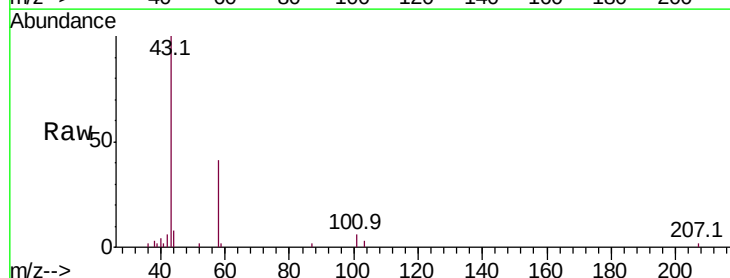
Acq: 26 Sep 2019 10:27

Tgt Ion: 43 Resp: 13345

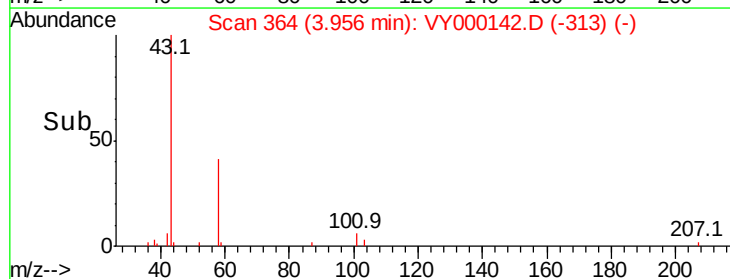
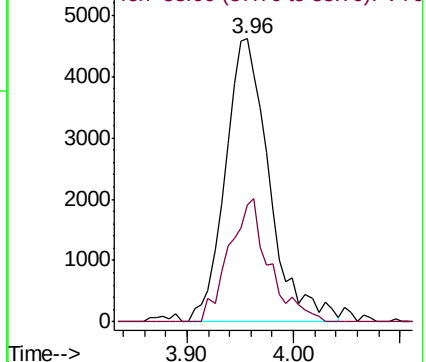
Ion Ratio Lower Upper

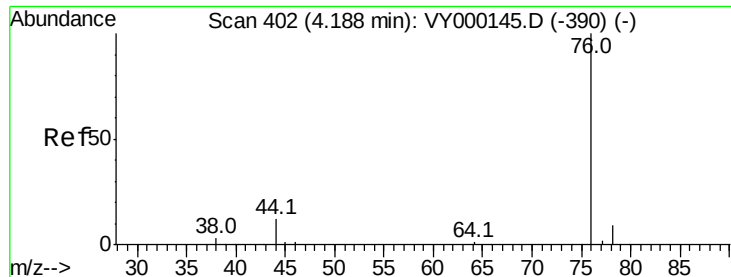
43 100

58 41.4 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

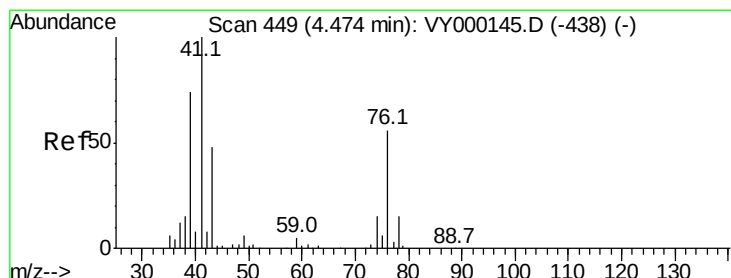
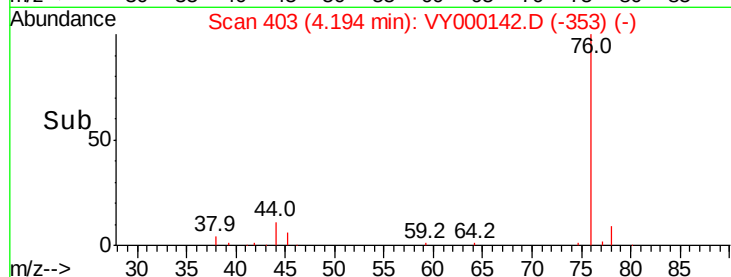
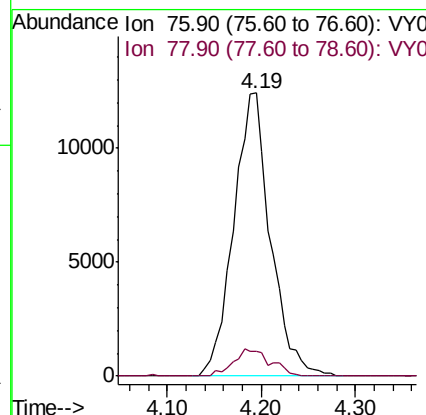
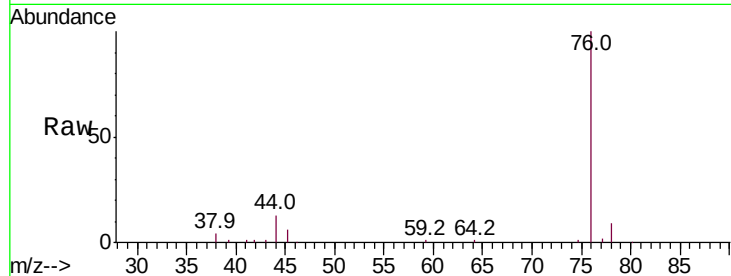




#17
Carbon Disulfide
Concen: 5.222 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.01 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

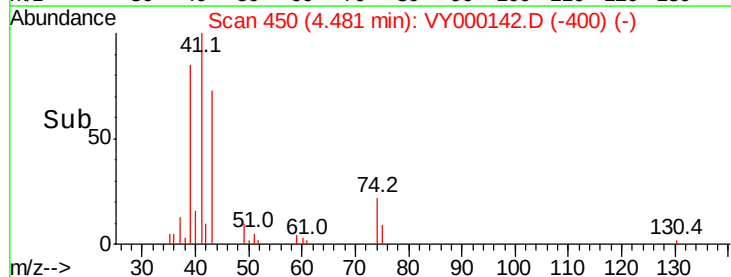
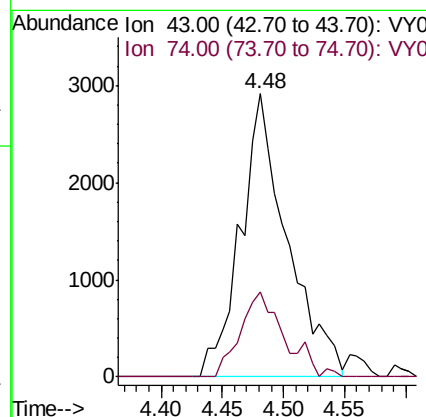
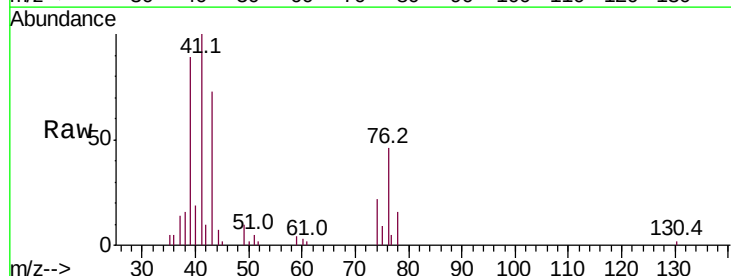
Instrument :
MSVOA_Y
ClientSampled :

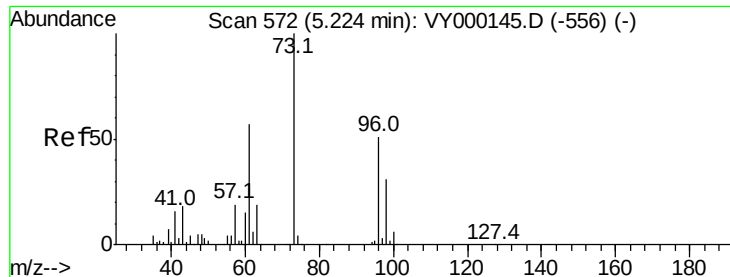
Tot Ion: 76 Resp: 33672
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 5.983 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.01 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Tgt Ion: 43 Resp: 7681
Ion Ratio Lower Upper
43 100
74 28.4 25.6 38.4



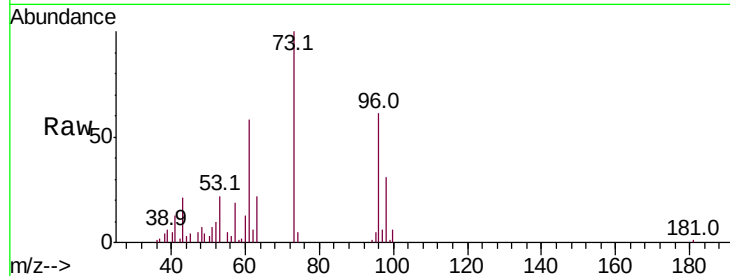


#19

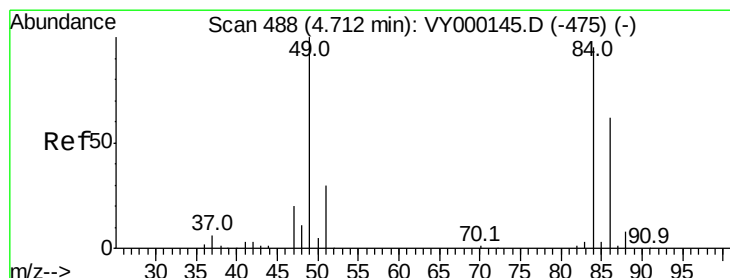
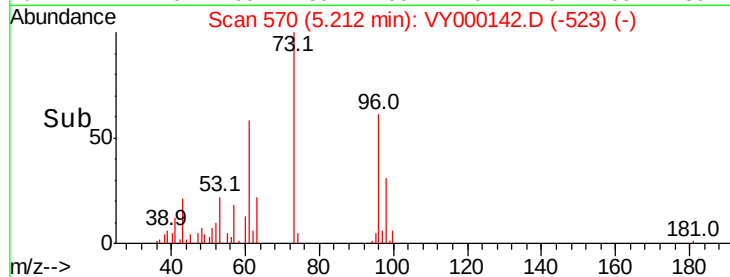
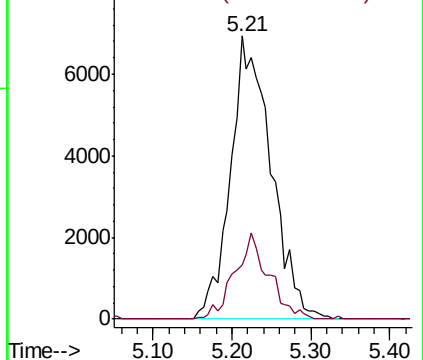
Methyl tert-butyl Ether
 Concen: 5.042 ug/l
 RT: 5.21 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 73 Resp: 24810
 Ion Ratio Lower Upper
 73 100
 57 19.1 15.5 23.3



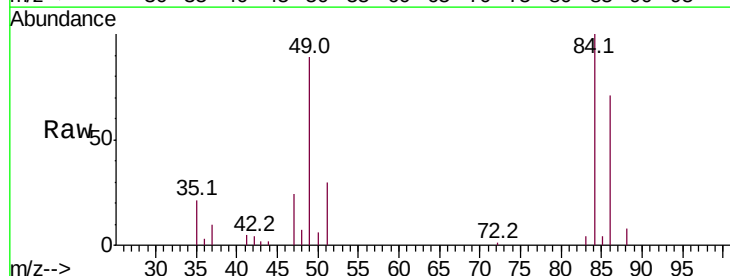
Abundance Ion 73.00 (72.70 to 73.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



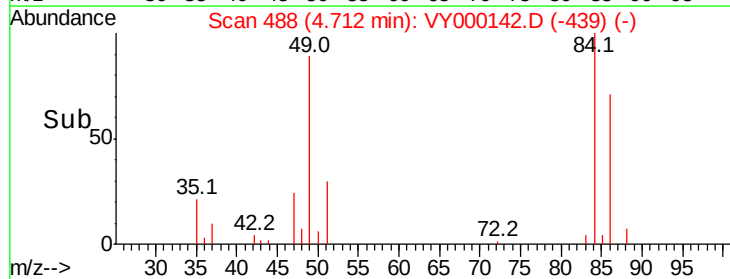
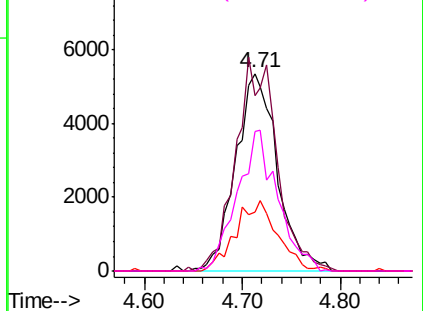
#20

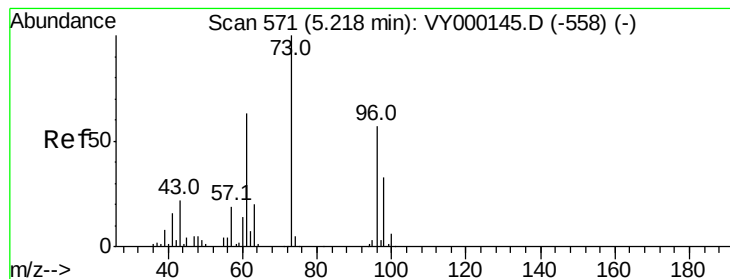
Methylene Chloride
 Concen: 6.368 ug/l
 RT: 4.71 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Tgt Ion: 84 Resp: 15954
 Ion Ratio Lower Upper
 84 100
 49 88.7 84.6 126.8
 51 29.6 25.4 38.2
 86 70.7 52.8 79.2



Abundance Ion 83.90 (83.60 to 84.60): VY0
 Ion 48.90 (48.60 to 49.60): VY0
 Ion 50.90 (50.60 to 51.60): VY0
 Ion 85.90 (85.60 to 86.60): VY0





#21

trans-1,2-Dichloroethene

Concen: 5.254 ug/l

RT: 5.21 min Scan# 570

Delta R.T. -0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :
MSVOA_Y
ClientSampled :

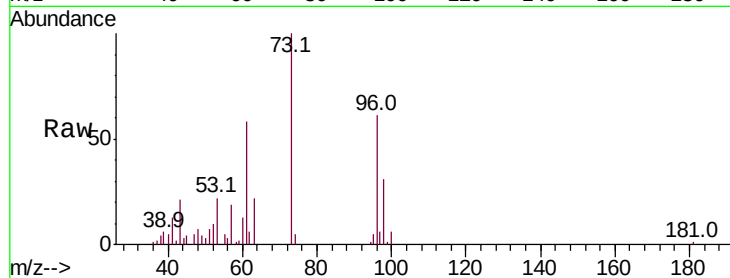
Tot Ion: 96 Resp: 12167

Ion Ratio Lower Upper

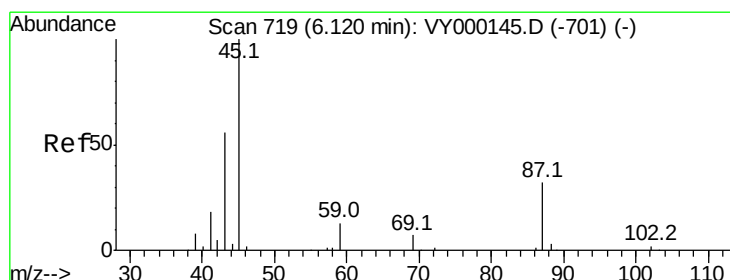
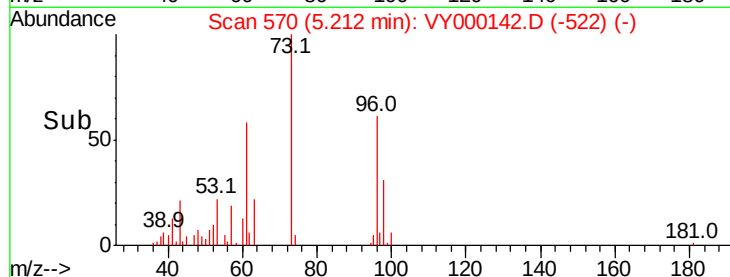
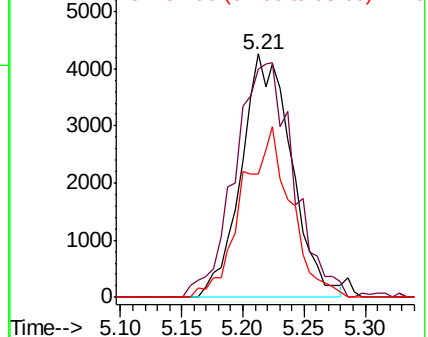
96 100

61 88.9 88.0 132.0

98 50.8 45.6 68.4



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: 5.045 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Tgt Ion: 45 Resp: 27575

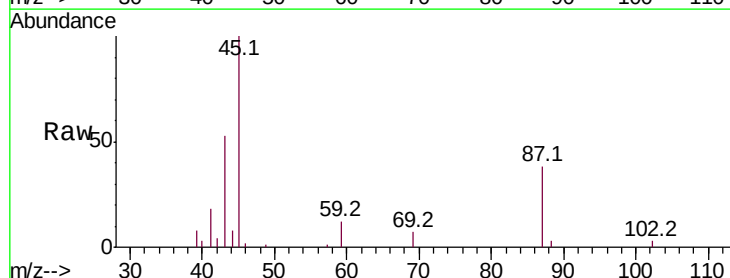
Ion Ratio Lower Upper

45 100

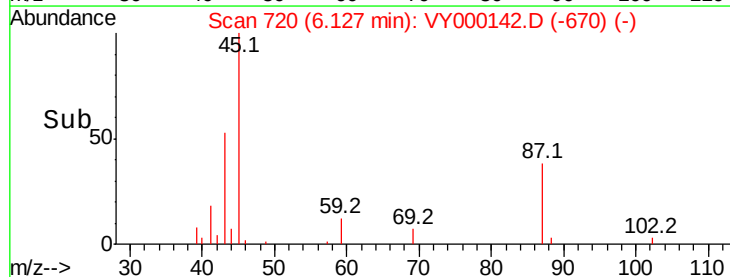
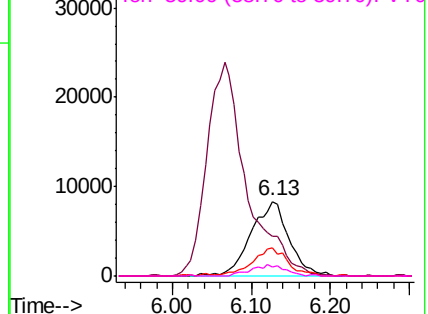
43 52.8 48.4 72.6

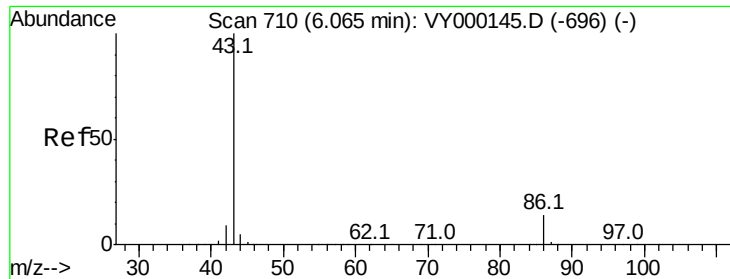
87 36.7 26.6 39.8

59 11.9 10.5 15.7



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: 24.521 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

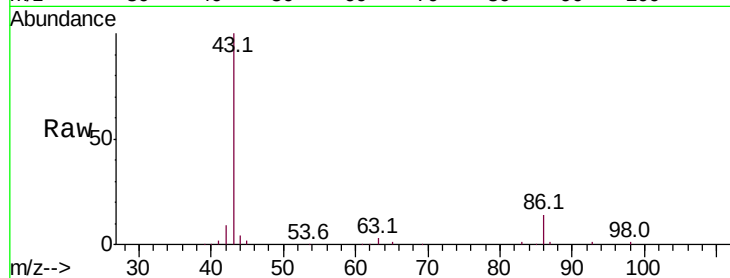
ClientSampled :

Tot Ion: 43 Resp: 84003

Ion Ratio Lower Upper

43 100

86 14.5 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

25000

20000

15000

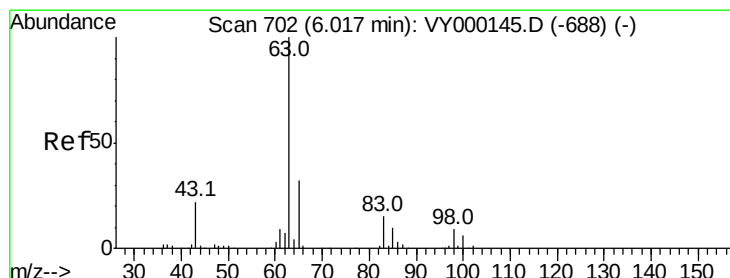
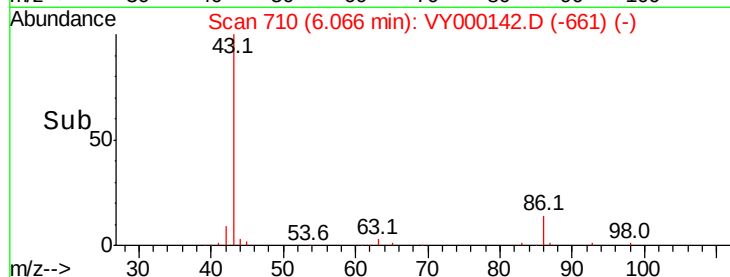
10000

5000

0

Time-->

5.90 6.00 6.10 6.20



#24

1,1-Dichloroethane

Concen: 5.159 ug/l

RT: 6.02 min Scan# 703

Delta R.T. 0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

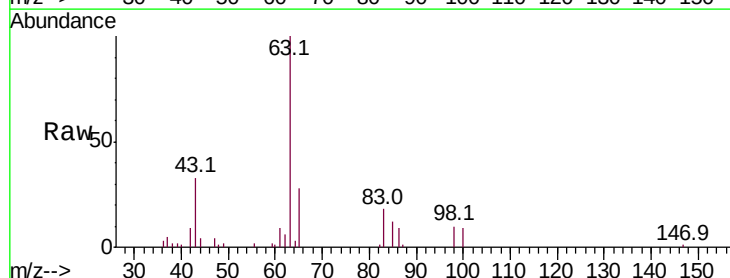
Tgt Ion: 63 Resp: 17070

Ion Ratio Lower Upper

63 100

98 10.1 4.6 13.8

100 9.0 2.8 8.4#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.02

6000

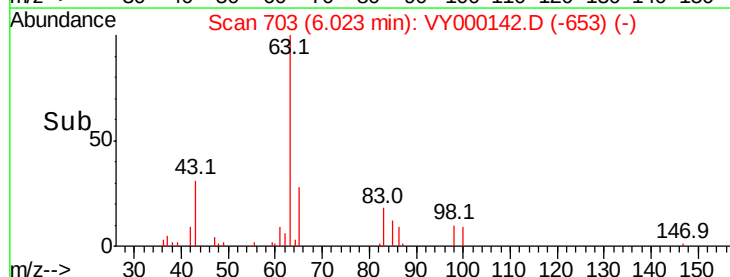
4000

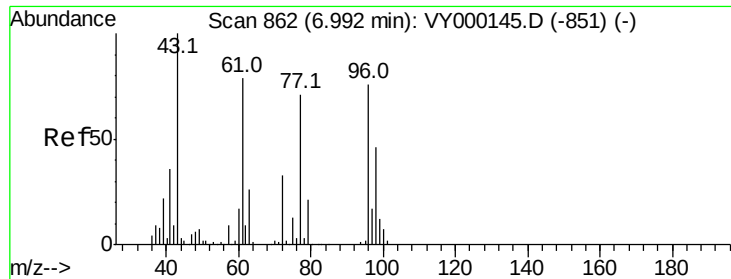
2000

0

Time-->

5.90 6.00 6.10





#25

2-Butanone

Concen: 27.496 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

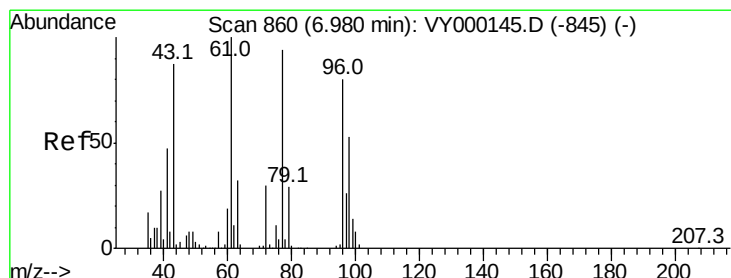
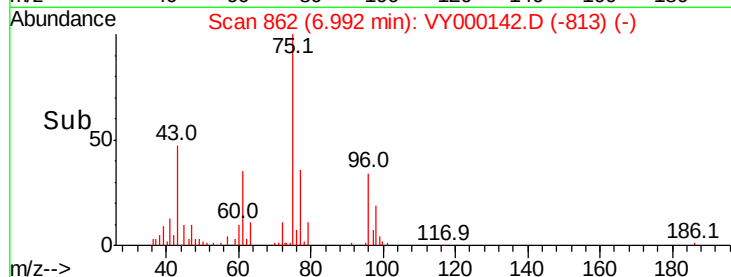
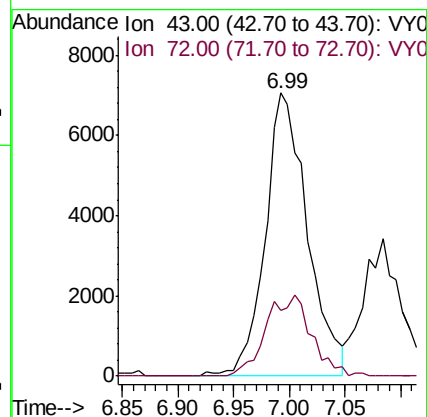
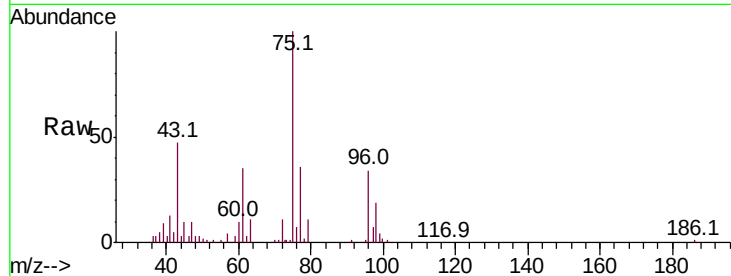
ClientSampled :

Tot Ion: 43 Resp: 18687

Ion Ratio Lower Upper

43 100

72 23.3 26.8 40.2#



#26

2,2-Dichloropropane

Concen: 5.678 ug/l

RT: 6.98 min Scan# 860

Delta R.T. 0.00 min

Lab File: VY000142.D

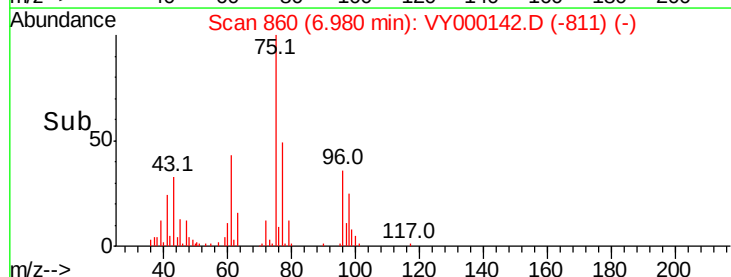
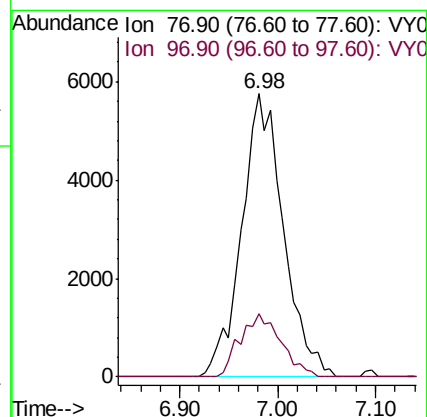
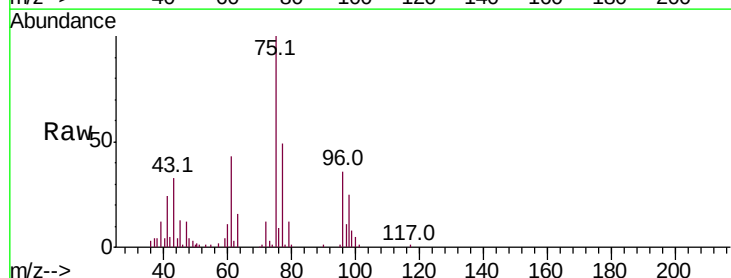
Acq: 26 Sep 2019 10:27

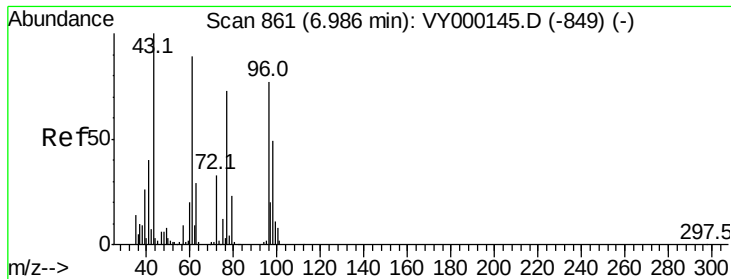
Tgt Ion: 77 Resp: 17084

Ion Ratio Lower Upper

77 100

97 21.7 13.0 38.9



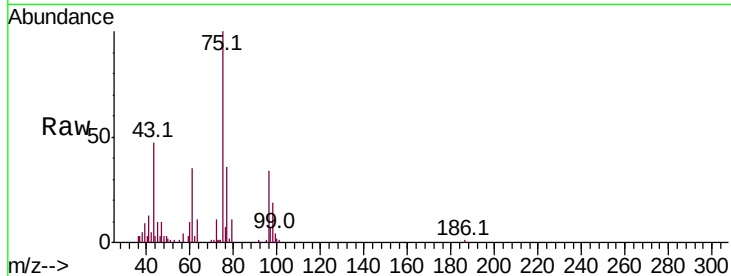


#27

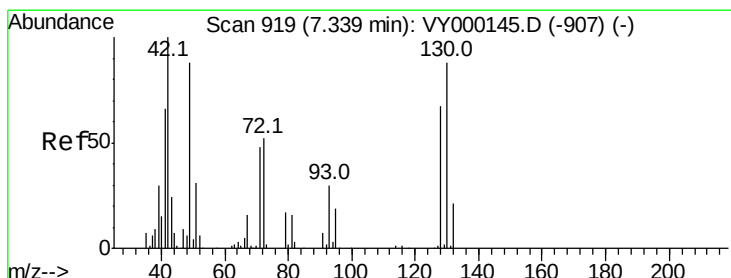
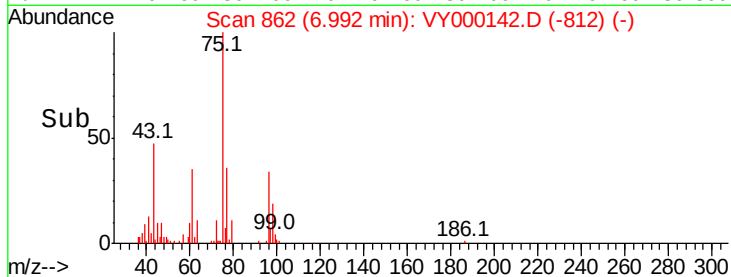
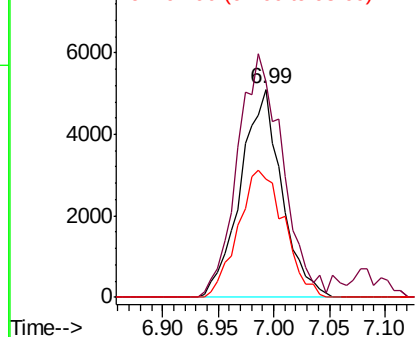
cis-1,2-Dichloroethene
Concen: 5.091 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.01 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	96	Resp	13104
Ion Ratio	Lower	Upper	
96	100		
61	128.5	0.0	232.8
98	68.4	0.0	128.8



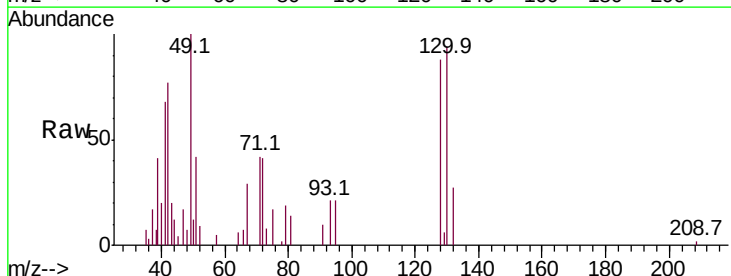
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



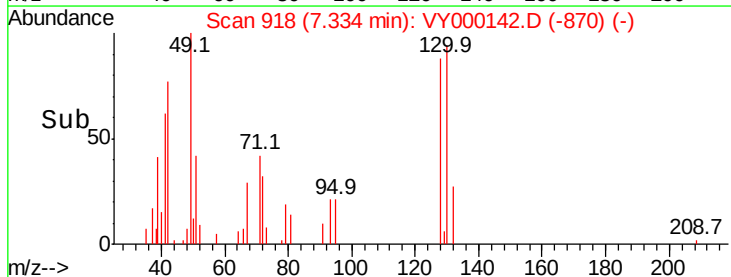
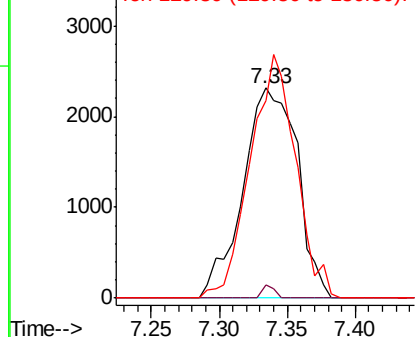
#28

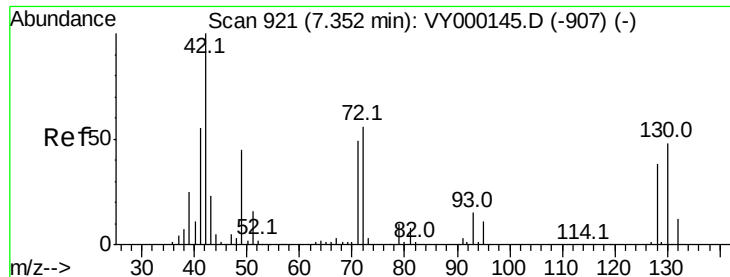
Bromochloromethane
Concen: 5.140 ug/l
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Tgt Ion	49	Resp	6480
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	4.6
130	96.7	79.5	119.3



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

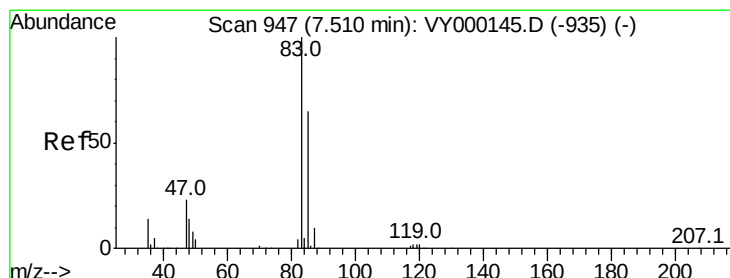
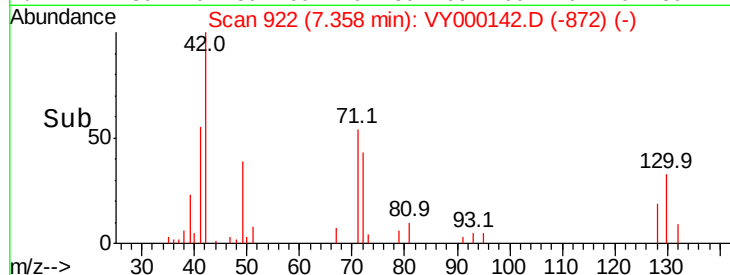
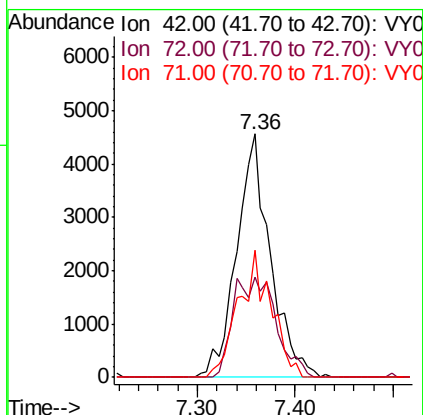
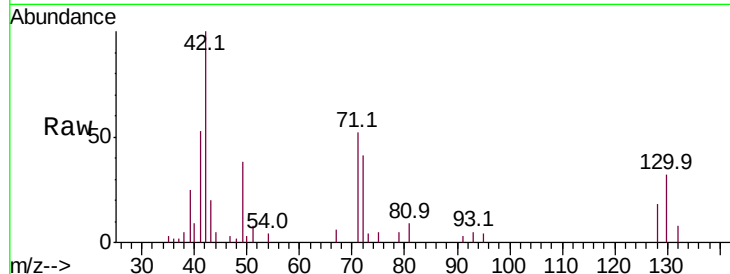




#29
Tetrahydrofuran
Concen: 25.988 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

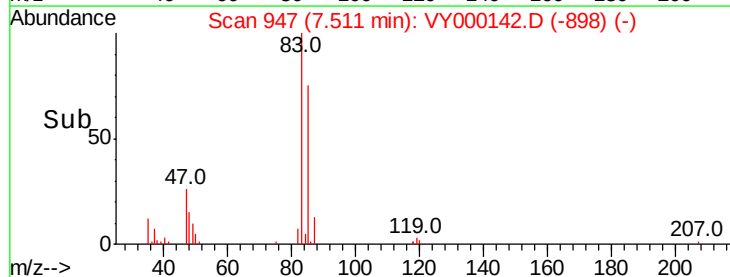
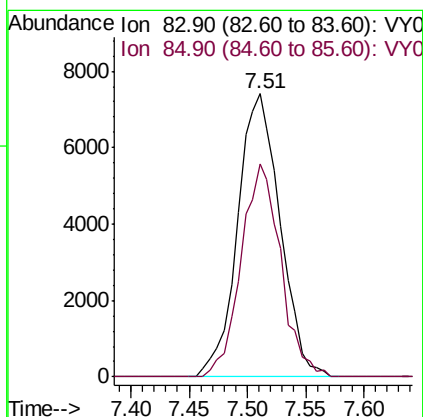
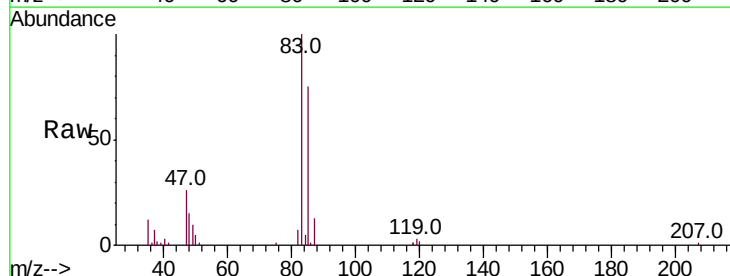
Instrument :
MSVOA_Y
ClientSampled :

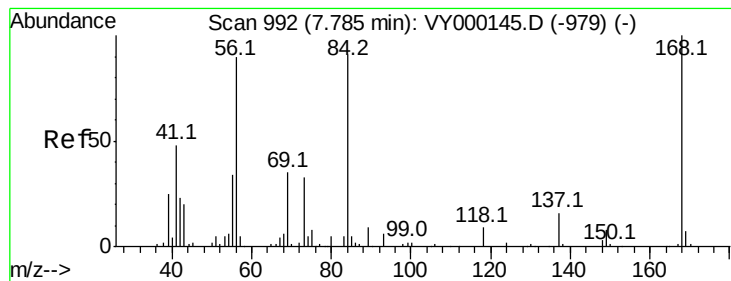
Tot Ion: 42 Resp: 10888
Ion Ratio Lower Upper
42 100
72 22.1 43.1 64.7#
71 50.7 39.4 59.2



#30
Chloroform
Concen: 5.439 ug/l
RT: 7.51 min Scan# 947
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Tgt Ion: 83 Resp: 18838
Ion Ratio Lower Upper
83 100
85 75.0 52.4 78.6





#31

Cyclohexane

Concen: 5.941 ug/l

RT: 7.79 min Scan# 992

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

ClientSampleId :

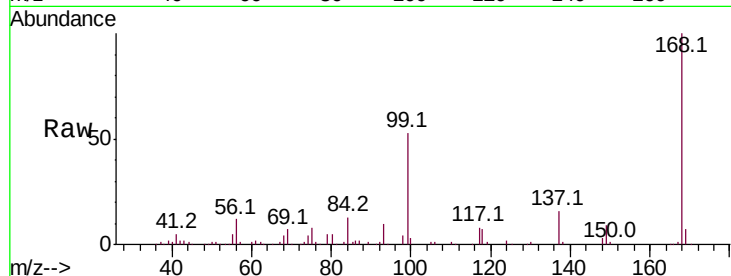
Tot Ion: 56 Resp: 20323

Ion Ratio Lower Upper

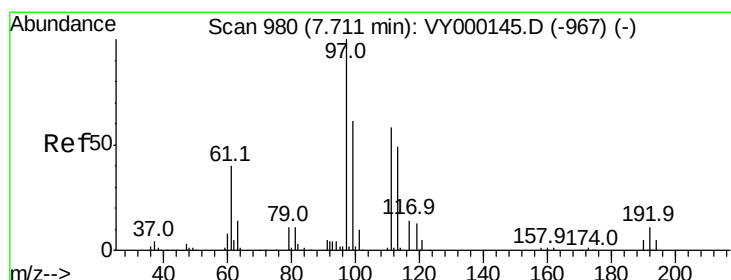
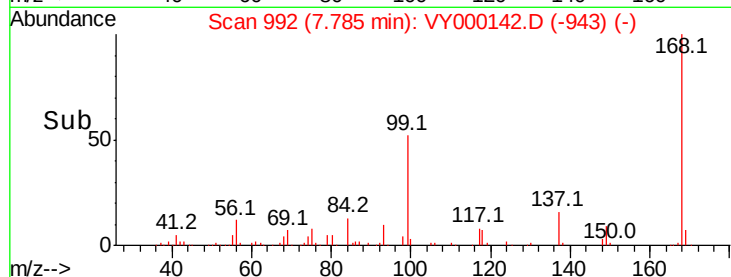
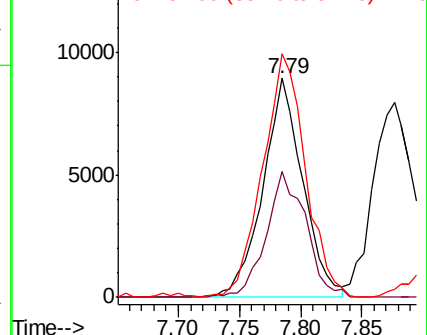
56 100

69 57.1 31.1 46.7#

84 110.3 80.5 120.7



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 5.098 ug/l

RT: 7.70 min Scan# 978

Delta R.T. -0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

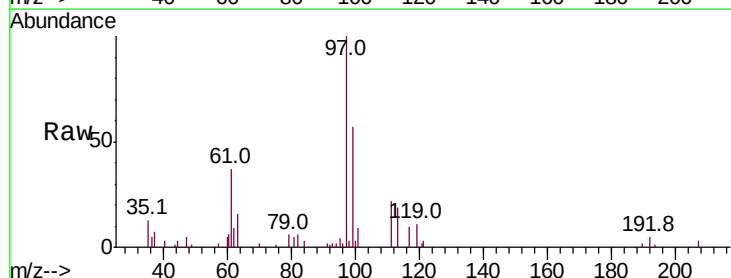
Tgt Ion: 97 Resp: 15483

Ion Ratio Lower Upper

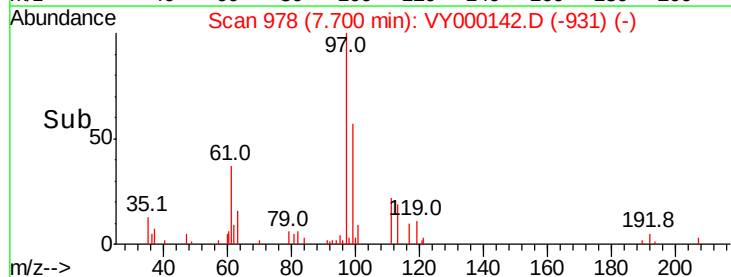
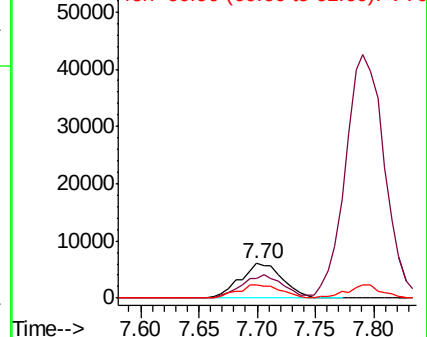
97 100

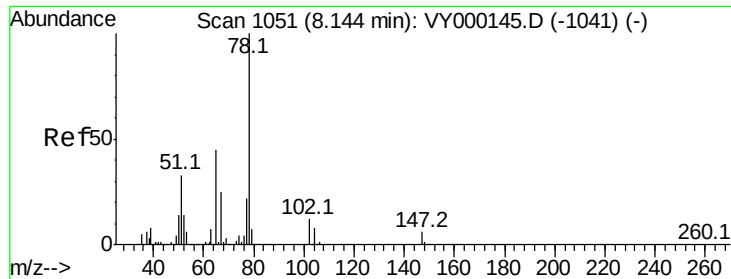
99 65.8 50.5 75.7

61 39.6 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

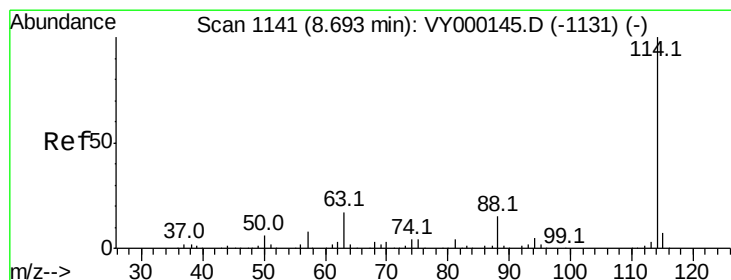
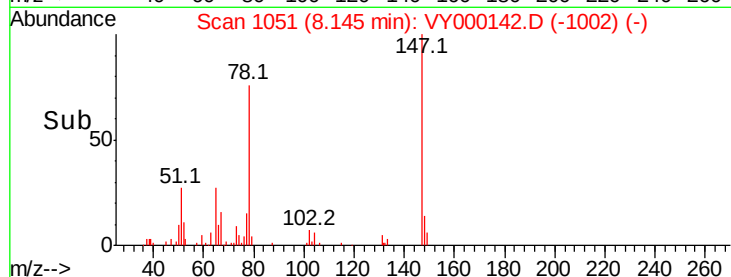
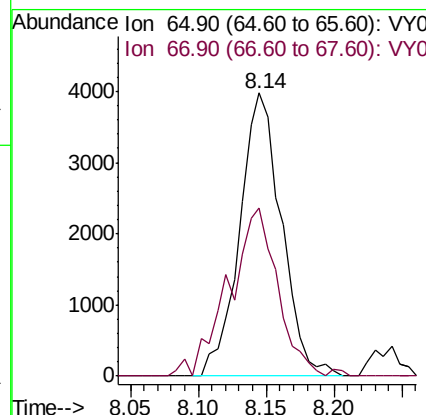
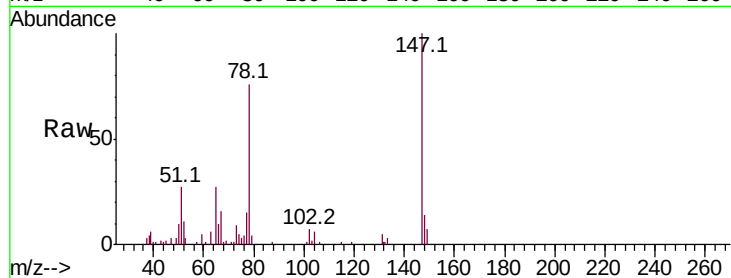




#33
 1,2-Dichloroethane-d4
 Concen: 4.831 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

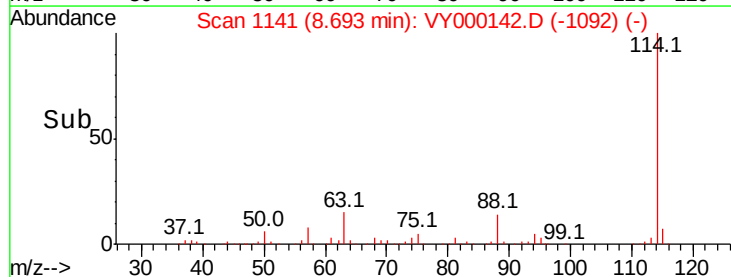
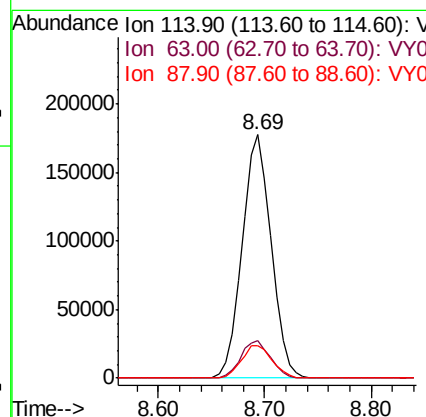
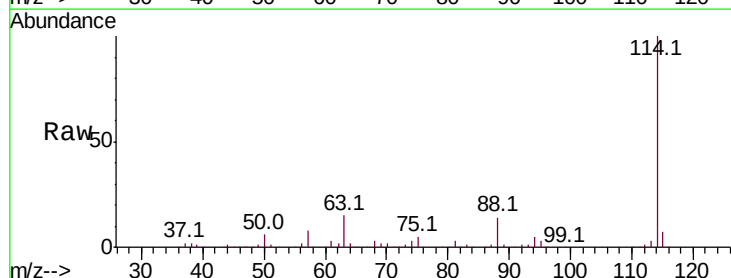
Instrument :
 MSVOA_Y
 ClientSampleId :

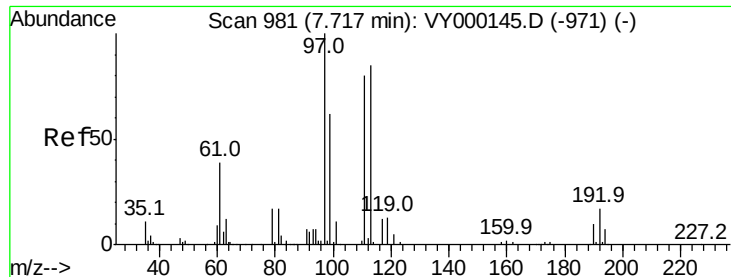
Tot Ion: 65 Resp: 8552
 Ion Ratio Lower Upper
 65 100
 67 69.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Tgt Ion: 114 Resp: 339939
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 34.6
 88 13.6 0.0 30.6

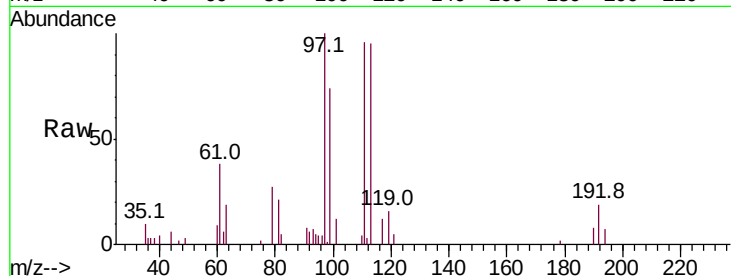




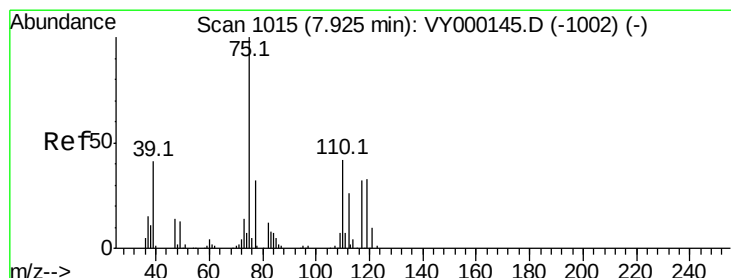
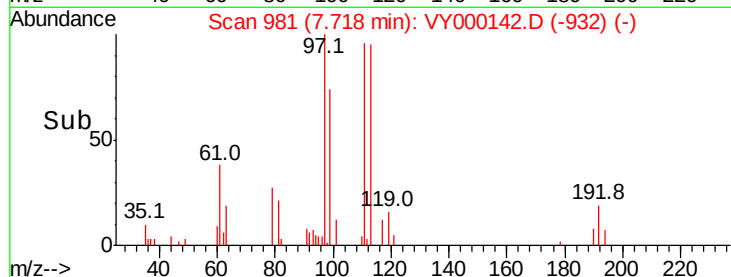
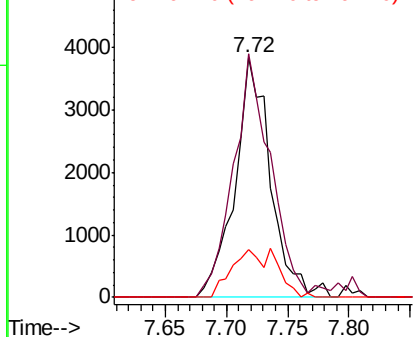
#35
 Dibromofluoromethane
 Concen: 4.368 ug/l
 RT: 7.72 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 7776
 Ion Ratio Lower Upper
 113 100
 111 105.2 82.0 123.0
 192 16.8 17.3 25.9#

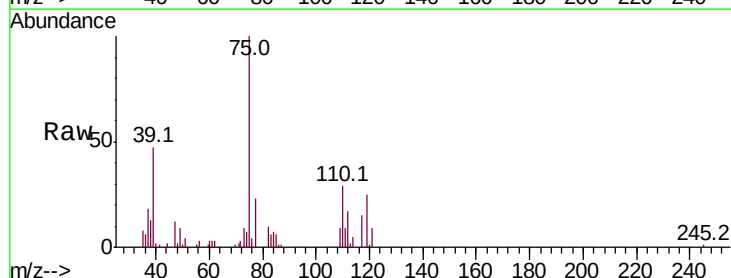


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

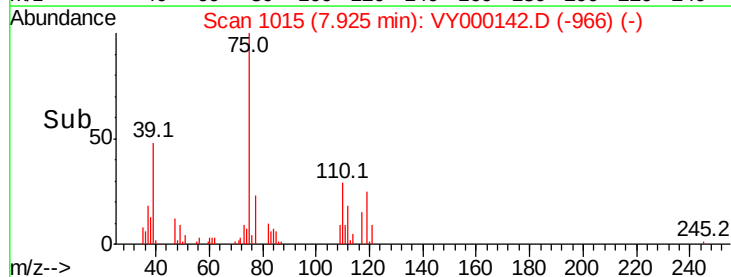
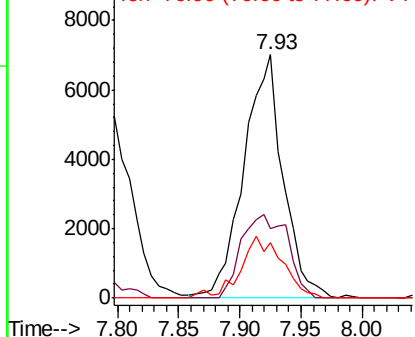


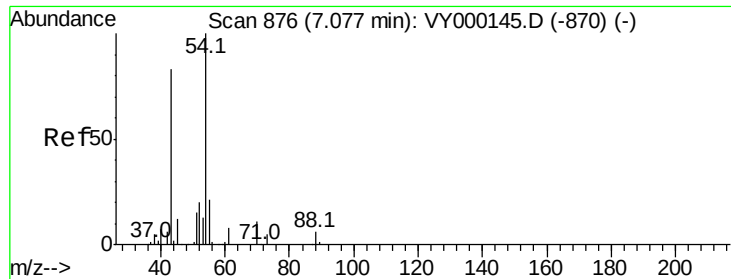
#36
 1,1-Dichloropropene
 Concen: 5.568 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Tgt Ion: 75 Resp: 15729
 Ion Ratio Lower Upper
 75 100
 110 40.1 21.1 63.1
 77 26.9 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0

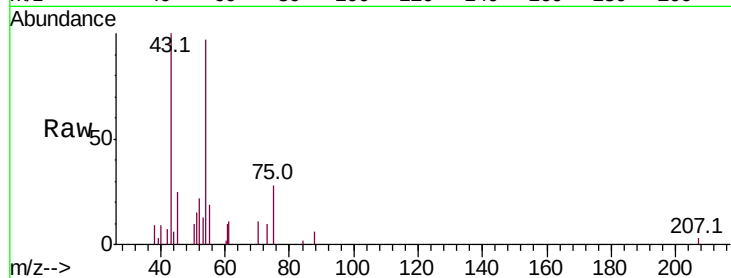




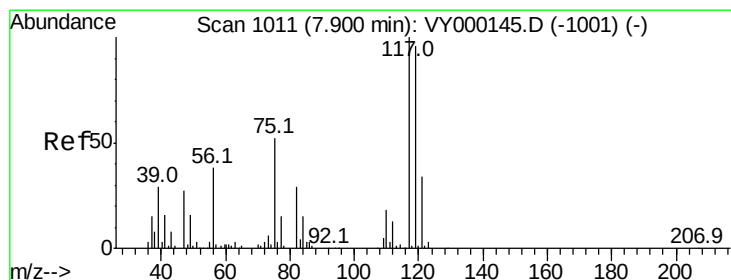
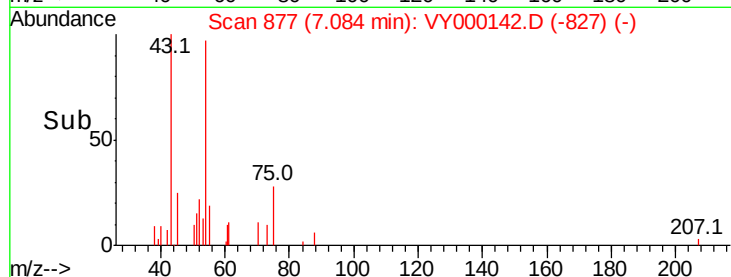
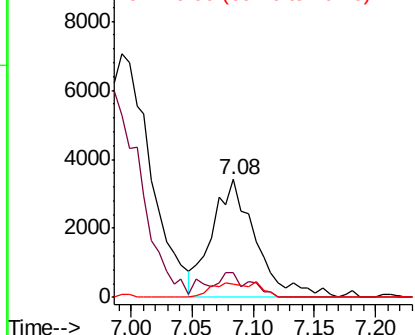
#37
Ethyl Acetate
Concen: 5.729 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 8549
Ion Ratio Lower Upper
43 100
61 14.3 11.9 17.9
70 13.0 10.2 15.2

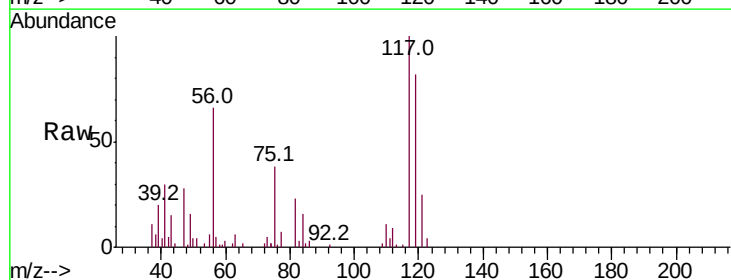


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

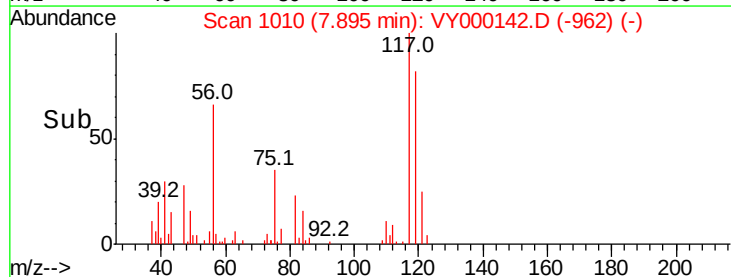
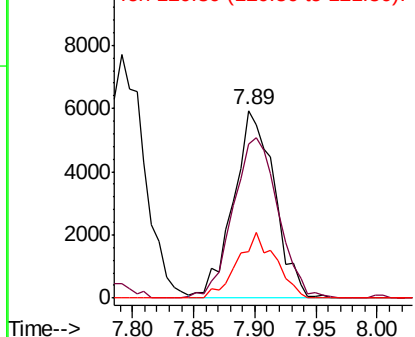


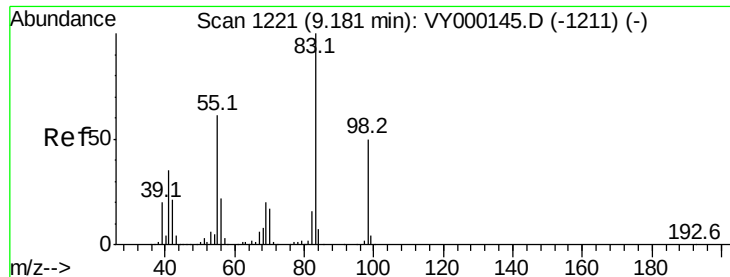
#38
Carbon Tetrachloride
Concen: 5.007 ug/l
RT: 7.89 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Tgt Ion: 117 Resp: 13808
Ion Ratio Lower Upper
117 100
119 82.2 76.9 115.3
121 24.6 27.4 41.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

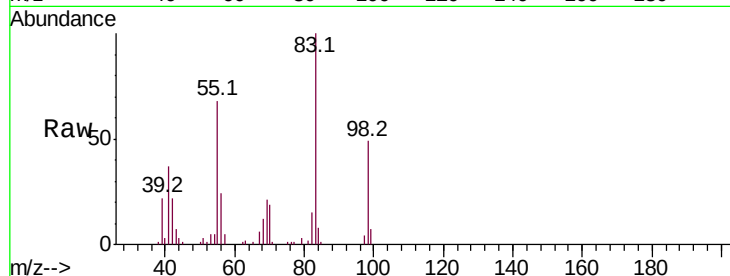




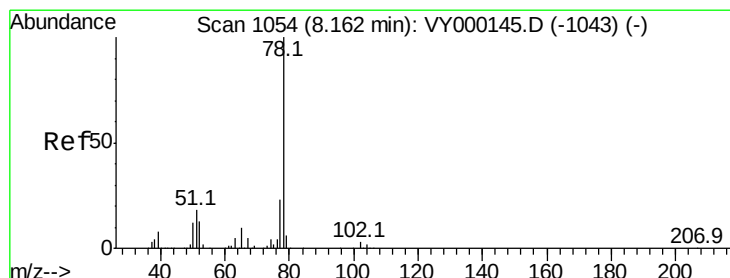
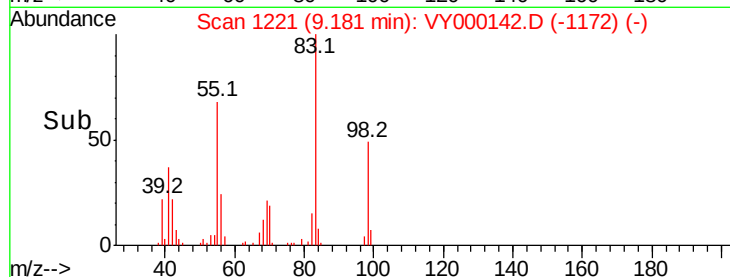
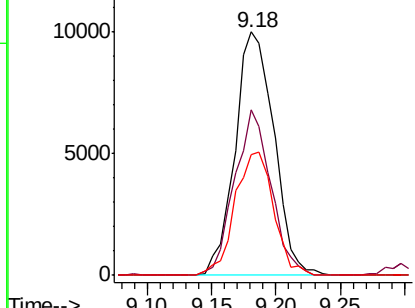
#39
Methylvlcyclohexane
Concen: 5.241 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 83 Resp: 21001
Ion Ratio Lower Upper
83 100
55 67.9 49.1 73.7
98 49.5 40.0 60.0

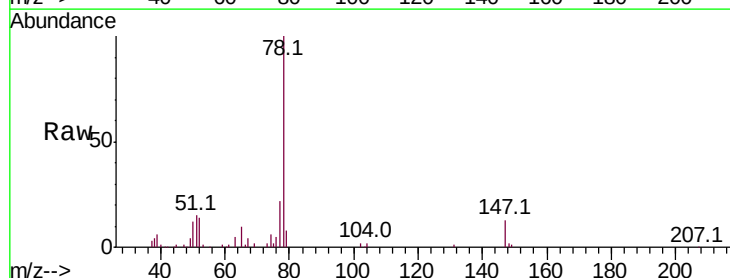


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

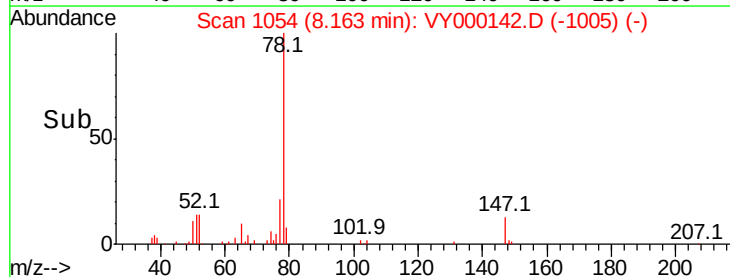
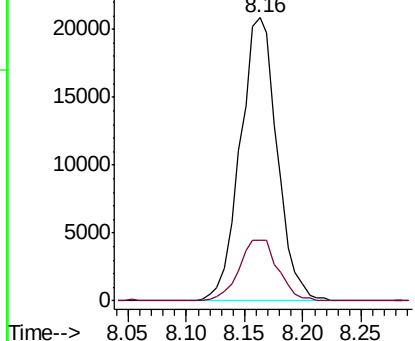


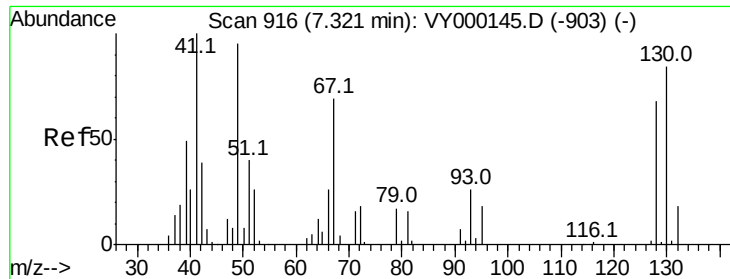
#40
Benzene
Concen: 5.170 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Tgt Ion: 78 Resp: 46132
Ion Ratio Lower Upper
78 100
77 21.5 18.2 27.4



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





#41

Methacrylonitrile

Concen: 4.363 ug/l

RT: 7.31 min Scan# 914

Delta R.T. -0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 41 Resp: 3530

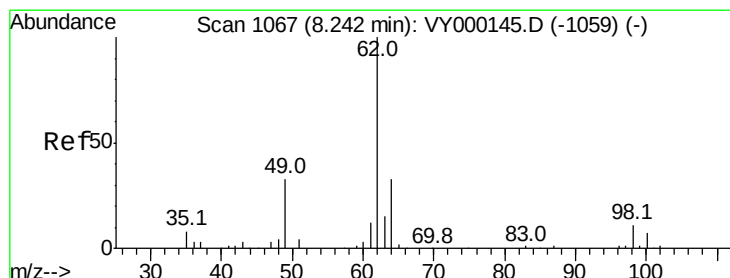
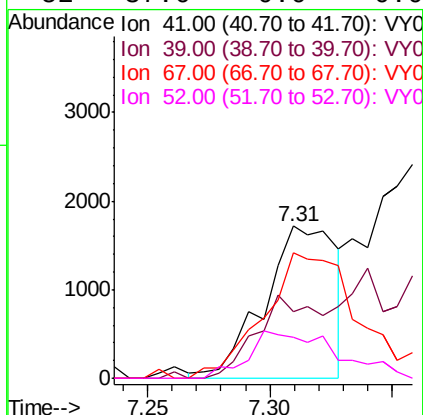
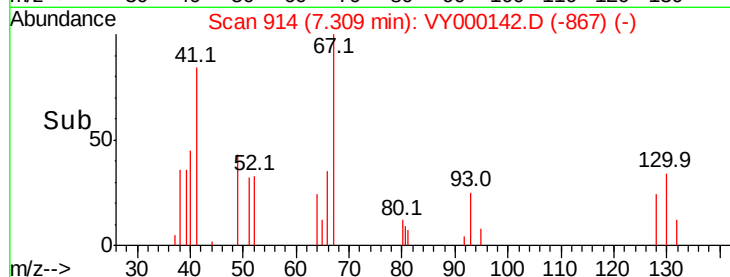
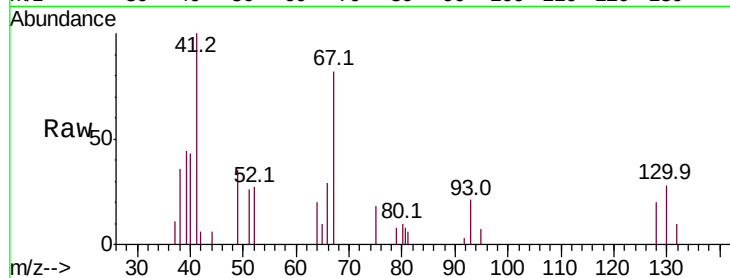
Ion Ratio Lower Upper

41 100

39 46.4 0.0 0.0#

67 106.1 0.0 0.0#

52 37.6 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 5.180 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY000142.D

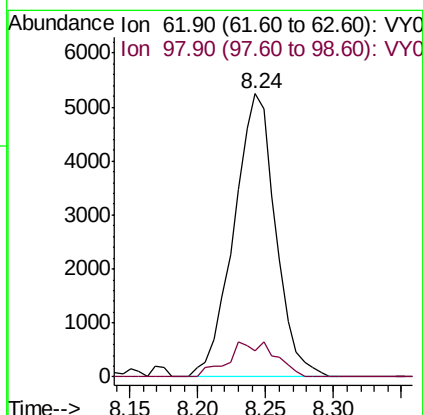
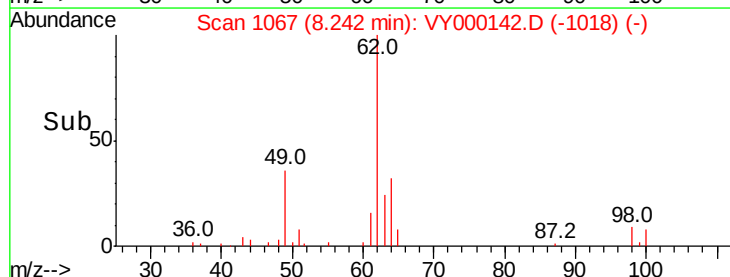
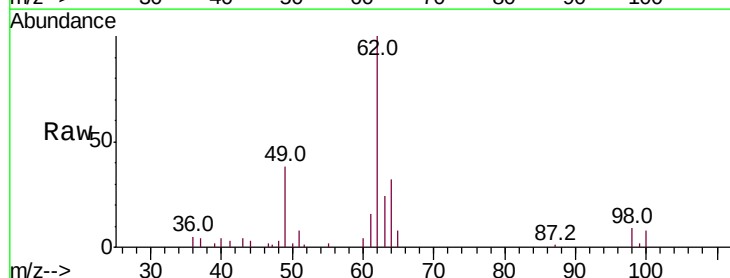
Acq: 26 Sep 2019 10:27

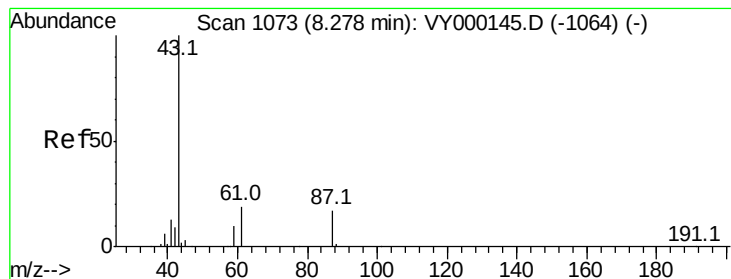
Tgt Ion: 62 Resp: 11248

Ion Ratio Lower Upper

62 100

98 14.0 0.0 24.8





#43

Isopropyl Acetate

Concen: 5.131 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

ClientSampleId :

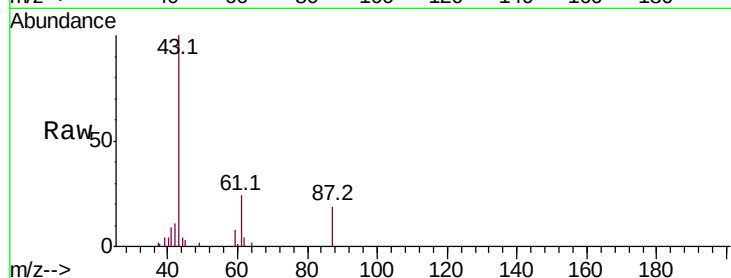
Tot Ion: 43 Resp: 14145

Ion Ratio Lower Upper

43 100

61 33.2 25.6 38.4

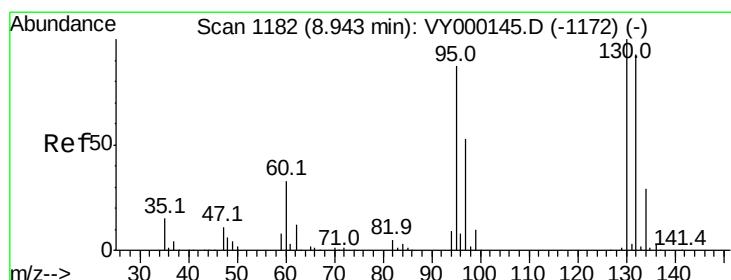
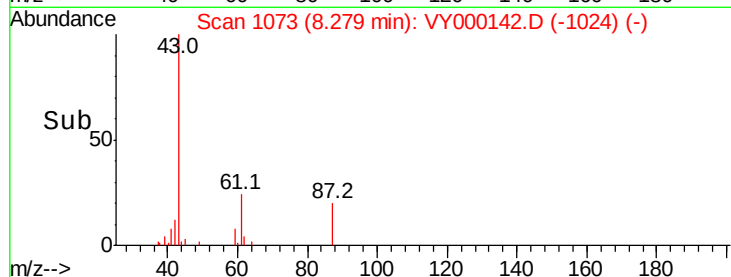
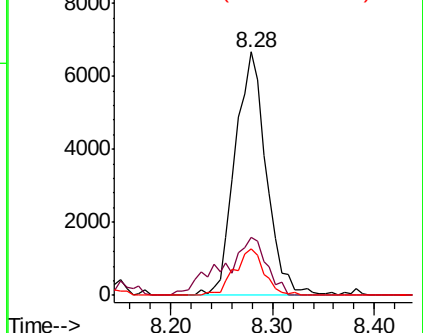
87 18.2 13.5 20.3



Abundance Ion 43.00 (42.70 to 43.70): VY000142.D (-1024) (-)

Ion 61.00 (60.70 to 61.70): VY000142.D (-1024) (-)

Ion 87.00 (86.70 to 87.70): VY000142.D (-1024) (-)



#44

Trichloroethene

Concen: 5.042 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY000142.D

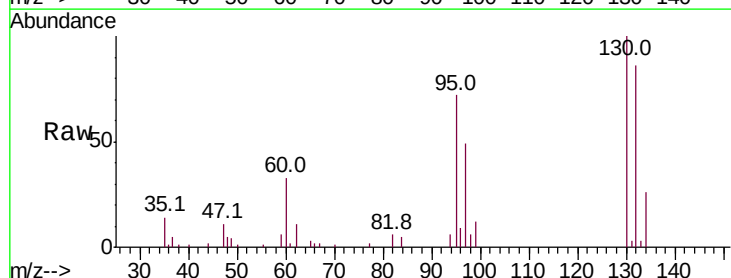
Acq: 26 Sep 2019 10:27

Tgt Ion:130 Resp: 14378

Ion Ratio Lower Upper

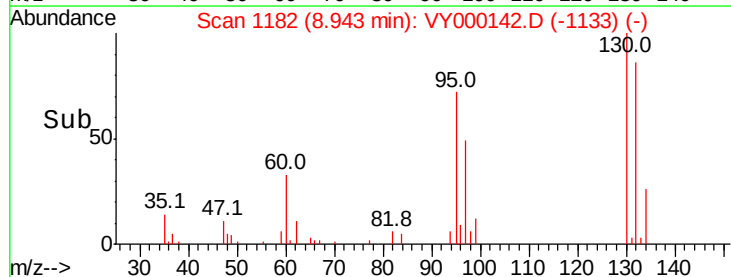
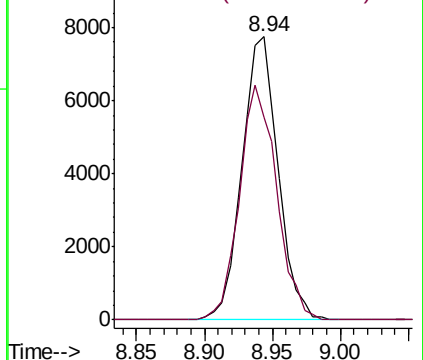
130 100

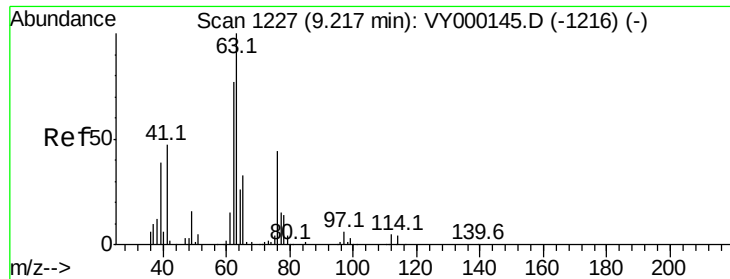
95 71.5 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): VY000142.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY000142.D (-1133) (-)





#45

1,2-Dichloropropane

Concen: 5.029 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

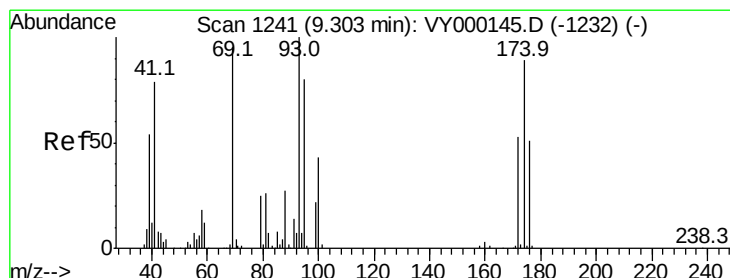
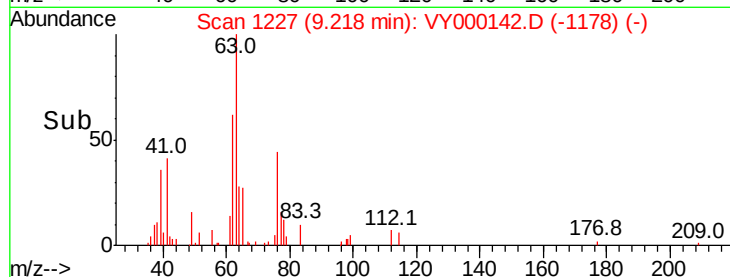
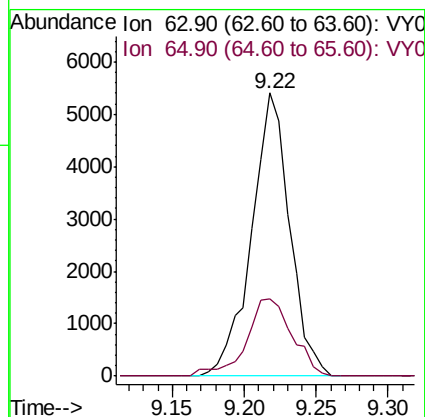
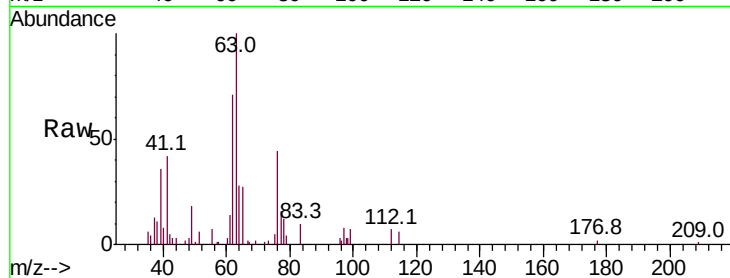
ClientSampleId :

Tot Ion: 63 Resp: 9899

Ion Ratio Lower Upper

63 100

65 27.3 26.8 40.2



#46

Dibromomethane

Concen: 5.311 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

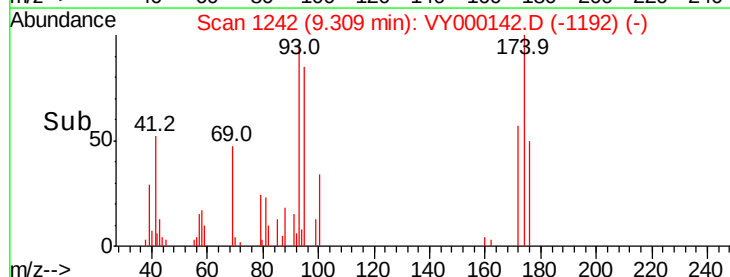
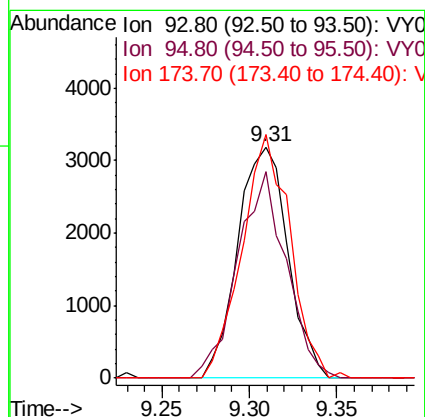
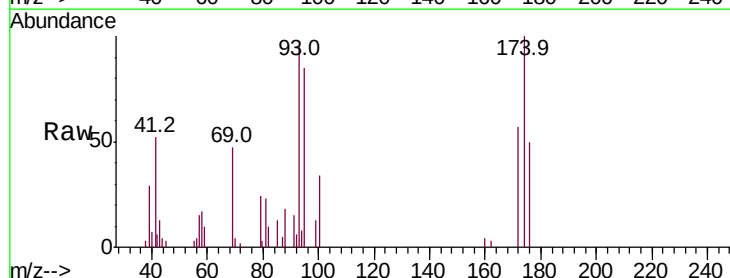
Tgt Ion: 93 Resp: 6380

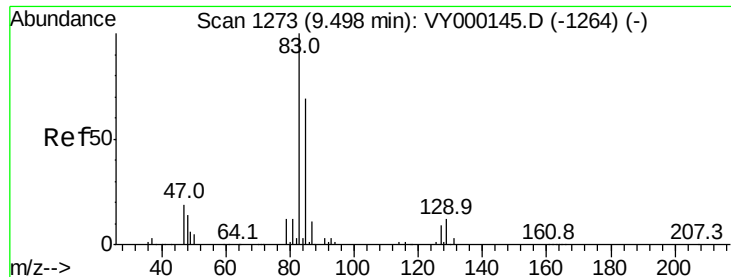
Ion Ratio Lower Upper

93 100

95 86.2 66.3 99.5

174 100.2 87.3 130.9





#47

Bromodichloromethane

Concen: 4.943 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

ClientSampleId :

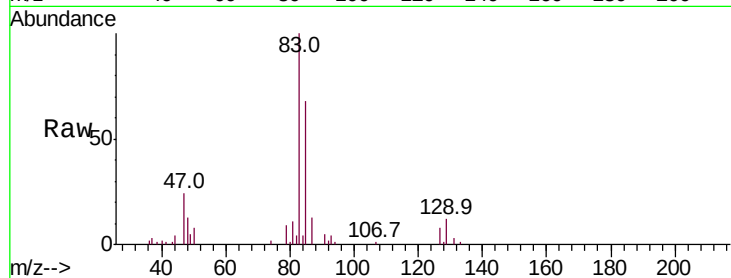
Tot Ion: 83 Resp: 13386

Ion Ratio Lower Upper

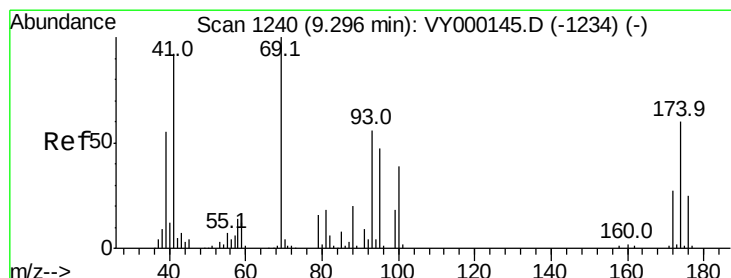
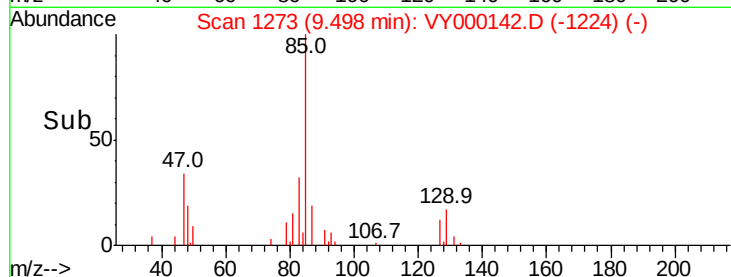
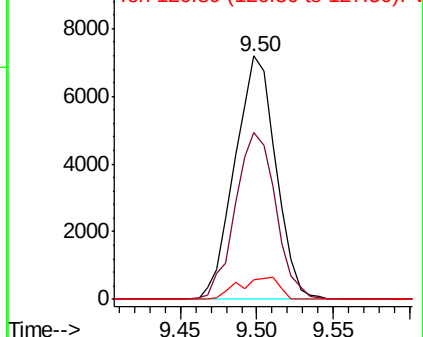
83 100

85 68.4 55.1 82.7

127 8.1 6.9 10.3



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): V



#48

Methyl methacrylate

Concen: 5.356 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

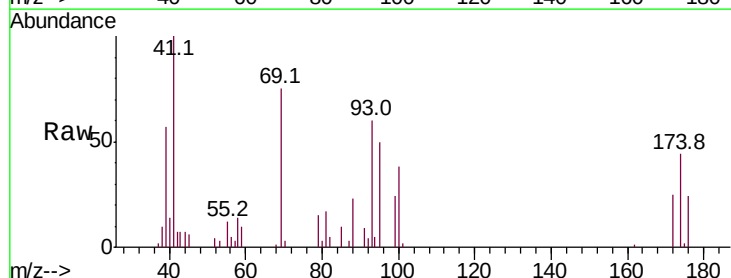
Tgt Ion: 41 Resp: 6612

Ion Ratio Lower Upper

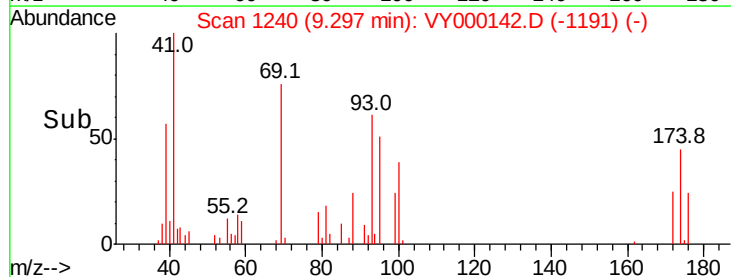
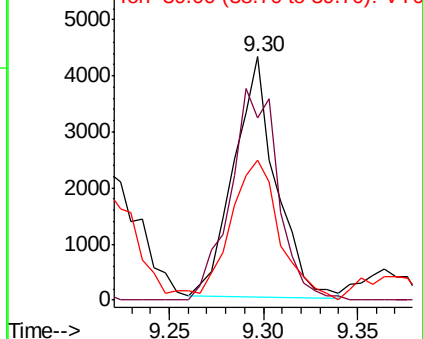
41 100

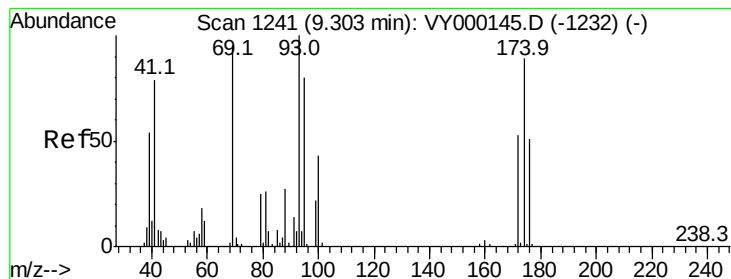
69 100.2 86.5 129.7

39 68.2 51.0 76.6



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: 109.855 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :
MSVOA_Y
ClientSampled :

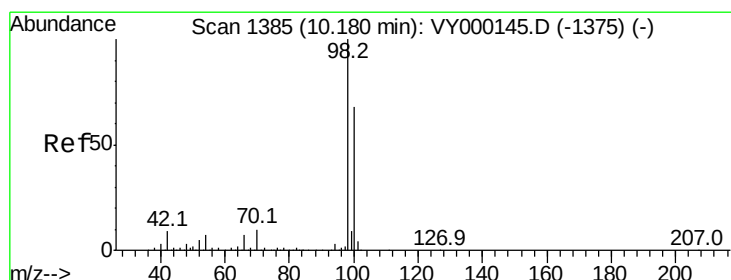
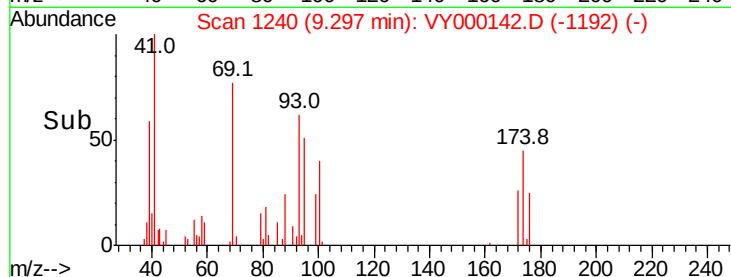
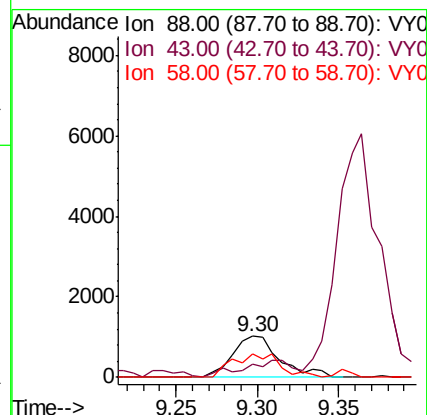
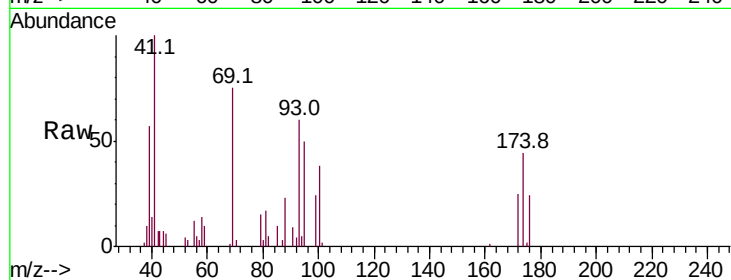
Tot Ion: 88 Resp: 2039

Ion Ratio Lower Upper

88 100

43 45.0 24.4 36.6#

58 58.6 49.2 73.8



#50

Toluene-d8

Concen: 4.930 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000142.D

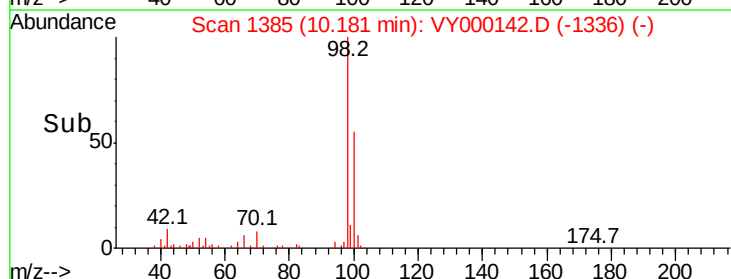
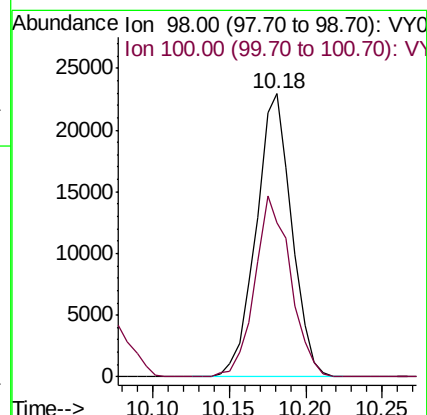
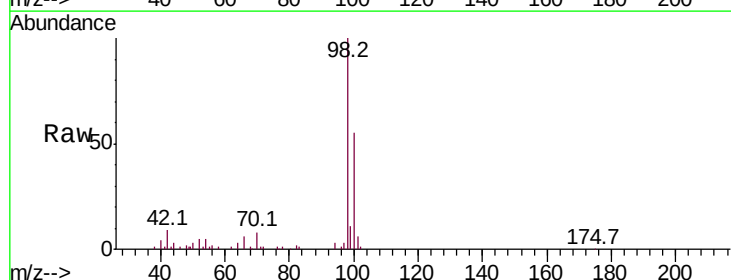
Acq: 26 Sep 2019 10:27

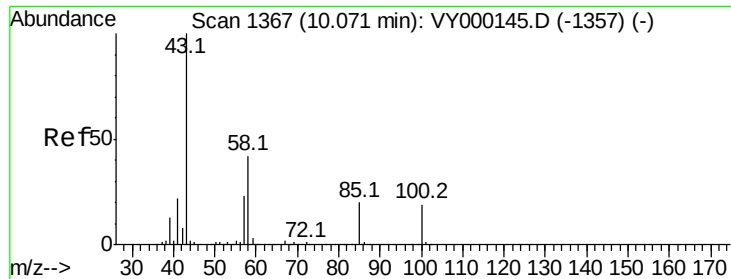
Tgt Ion: 98 Resp: 37136

Ion Ratio Lower Upper

98 100

100 64.5 54.2 81.2

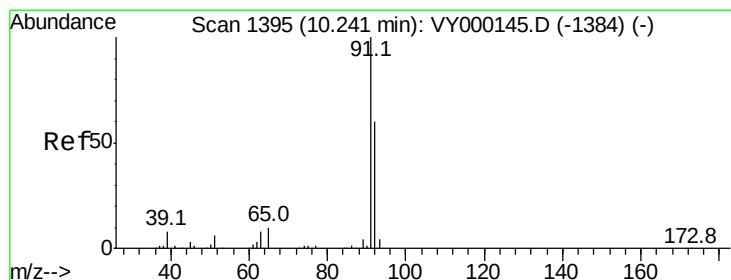
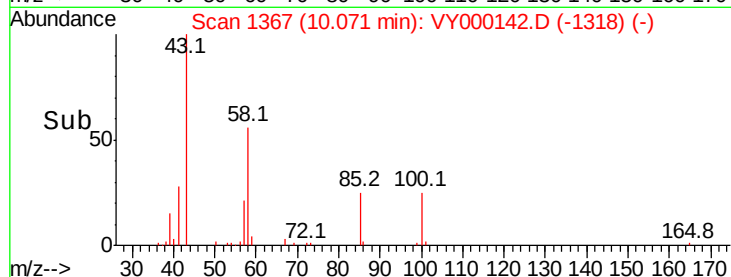
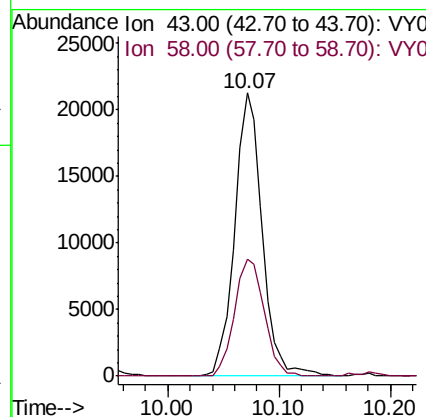
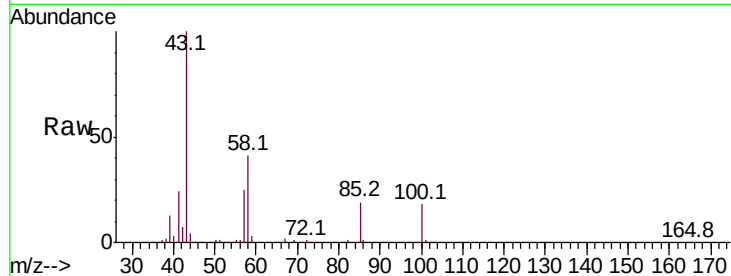




#51
4-Methyl-2-Pentanone
Concen: 25.285 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

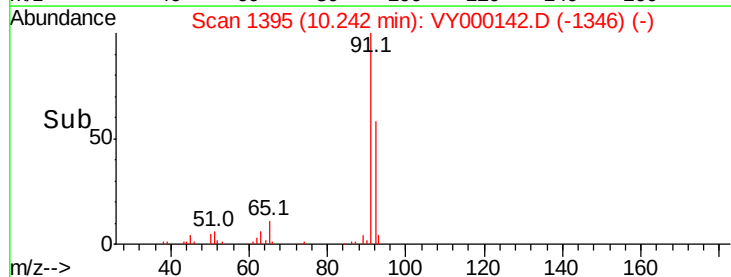
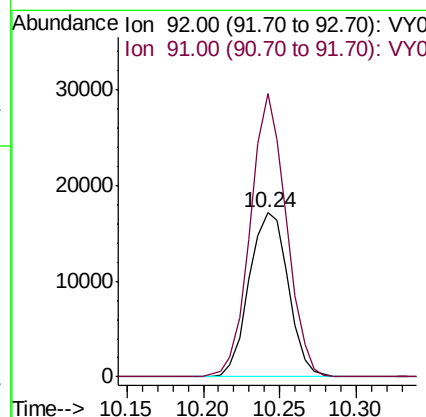
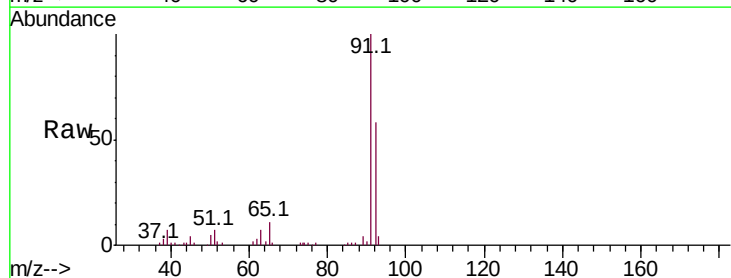
Instrument :
MSVOA_Y
ClientSampled :

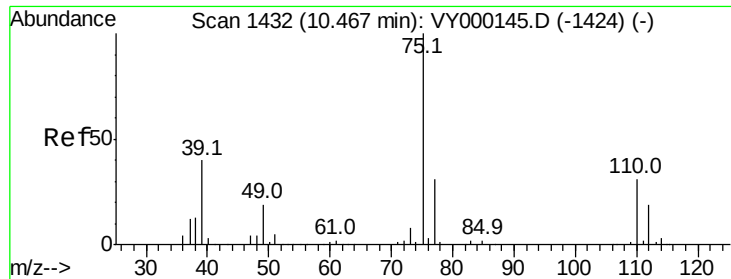
Tot Ion: 43 Resp: 36178
Ion Ratio Lower Upper
43 100
58 44.7 33.6 50.4



#52
Toluene
Concen: 5.290 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Tgt Ion: 92 Resp: 30570
Ion Ratio Lower Upper
92 100
91 158.2 134.6 201.8

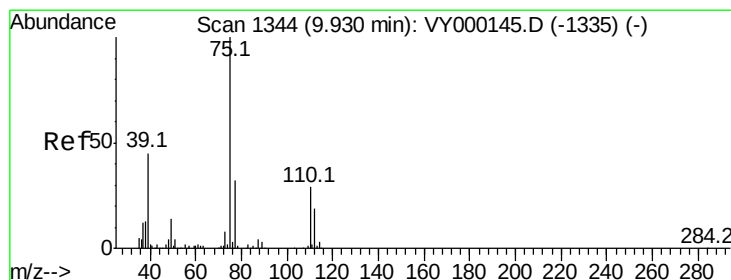
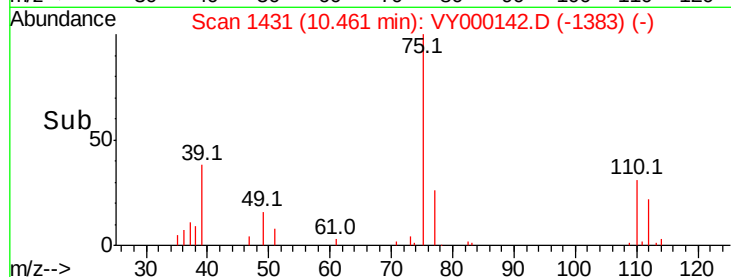
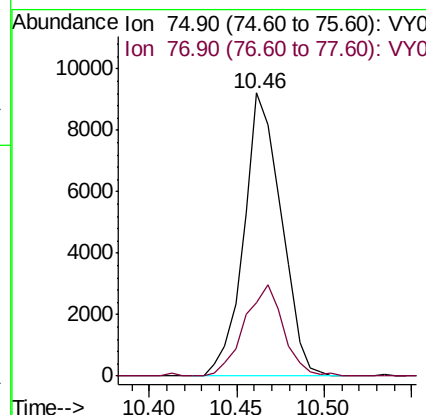
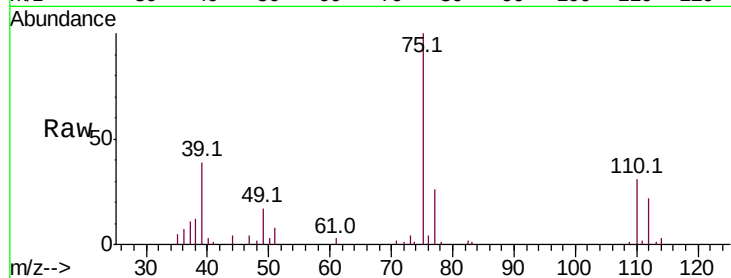




#53
 t-1,3-Dichloropropene
 Concen: 4.824 ug/l
 RT: 10.46 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

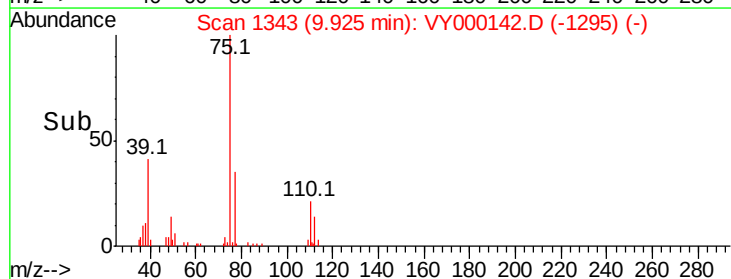
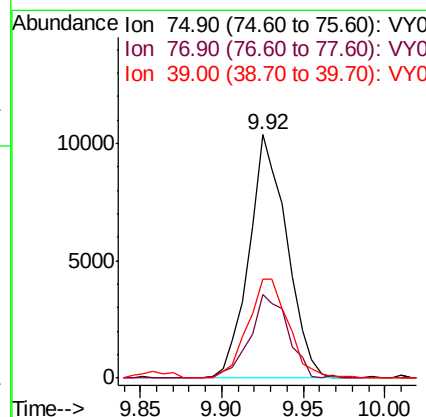
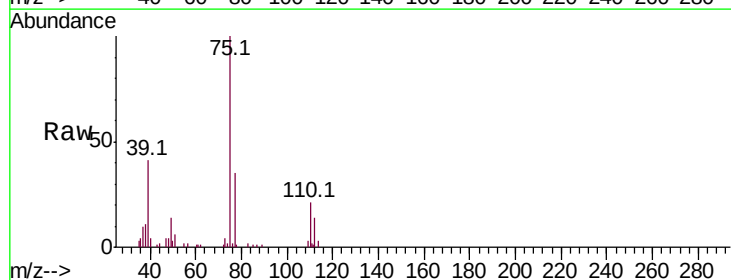
Instrument :
 MSVOA_Y
 ClientSampled :

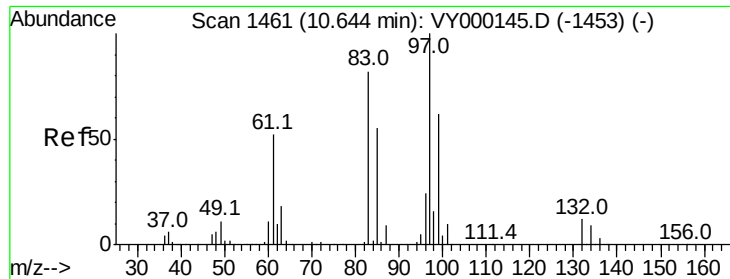
Tot Ion: 75 Resp: 13721
 Ion Ratio Lower Upper
 75 100
 77 26.0 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 4.972 ug/l
 RT: 9.92 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Tgt Ion: 75 Resp: 16760
 Ion Ratio Lower Upper
 75 100
 77 34.6 25.4 38.0
 39 40.6 35.8 53.6

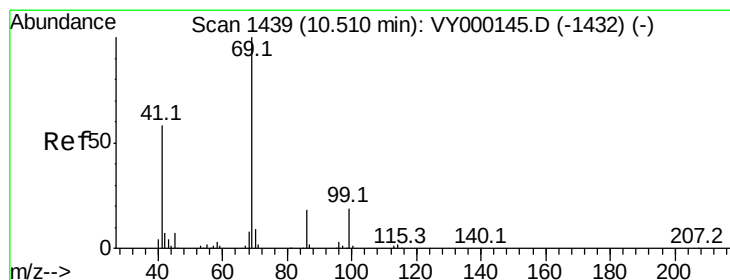
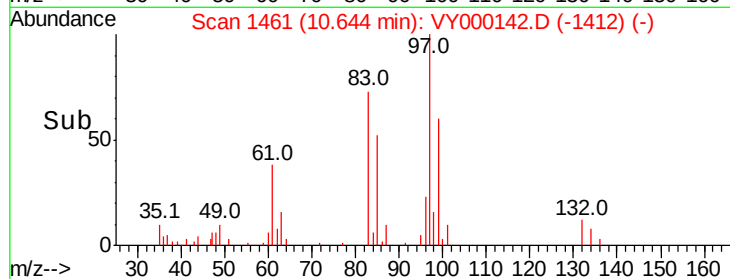
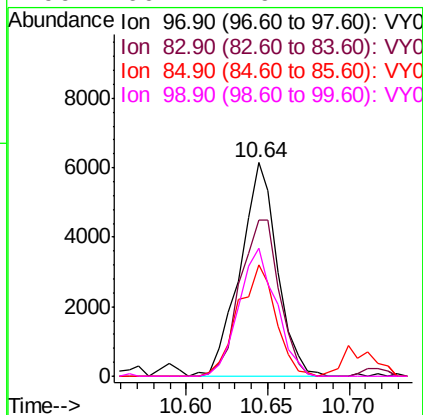
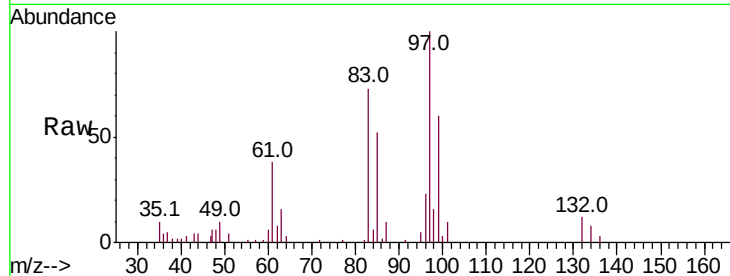




#55
 1,1,2-Trichloroethane
 Concen: 5.479 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

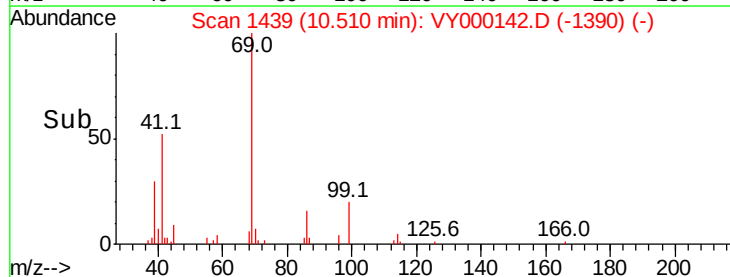
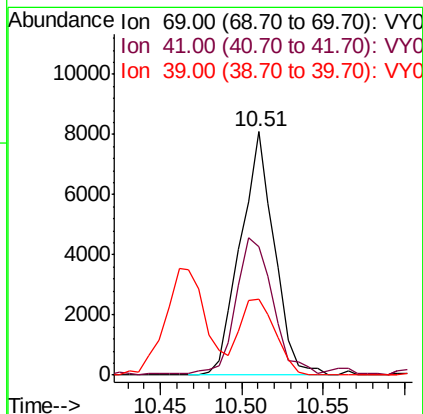
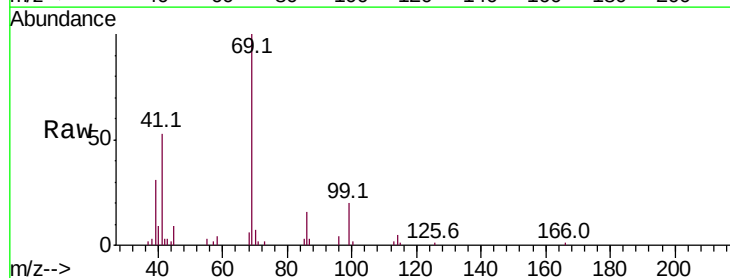
Instrument :
 MSVOA_Y
 ClientSampleId :

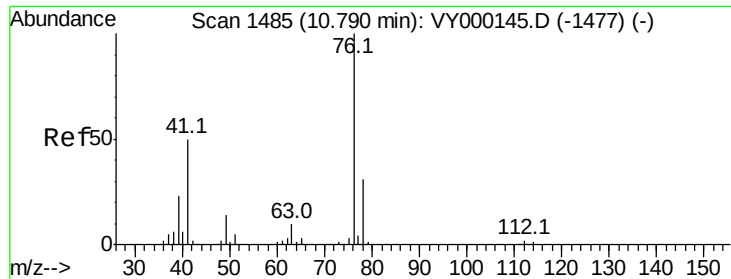
Tot Ion:	97	Resp:	9787
Ion	Ratio	Lower	Upper
97	100		
83	73.1	65.7	98.5
85	52.3	44.1	66.1
99	60.1	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 5.036 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Tgt Ion:	69	Resp:	11703
Ion	Ratio	Lower	Upper
69	100		
41	63.1	45.8	68.8
39	32.4	27.8	41.8





#57

1,3-Dichloropropane

Concen: 5.229 ug/l

RT: 10.78 min Scan# 1484

Delta R.T. -0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

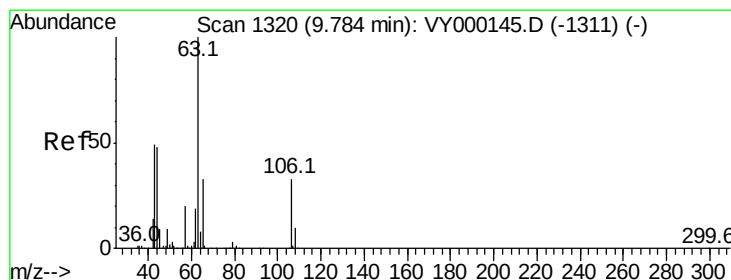
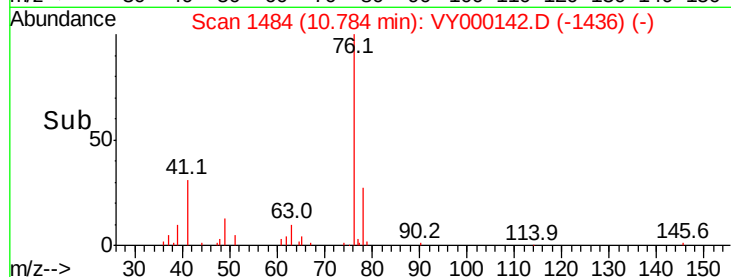
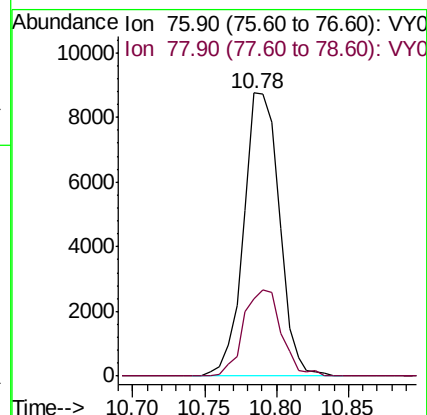
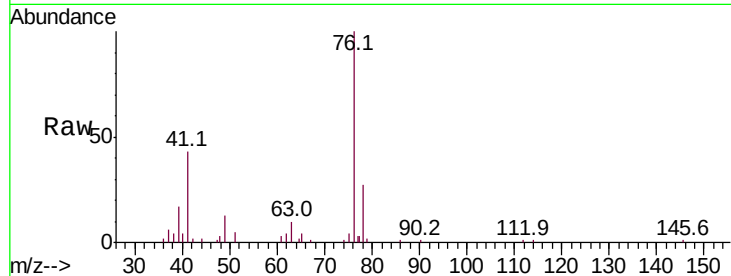
ClientSampleId :

Tot Ion: 76 Resp: 15011

Ion Ratio Lower Upper

76 100

78 32.3 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 26.559 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY000142.D

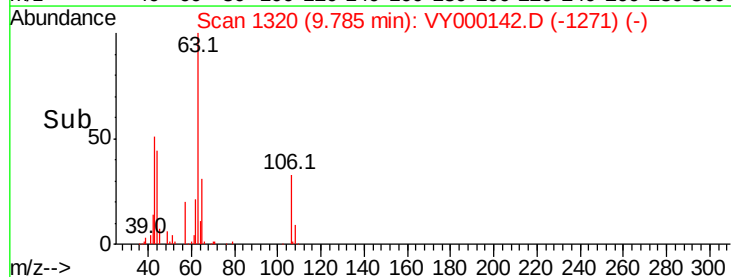
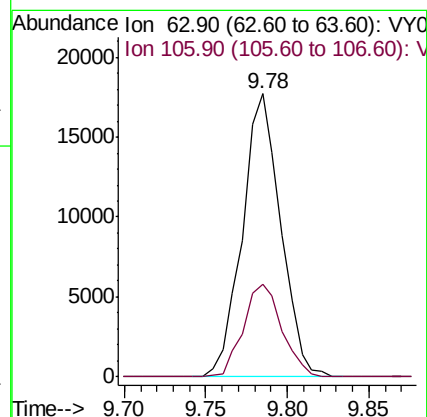
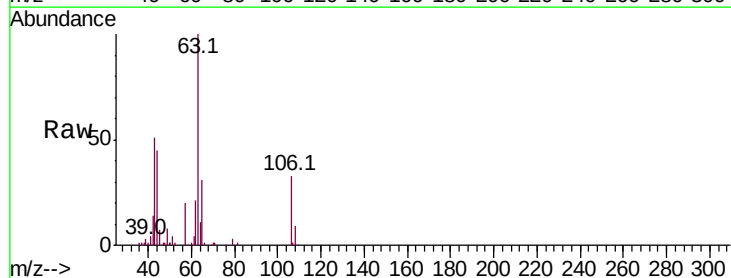
Acq: 26 Sep 2019 10:27

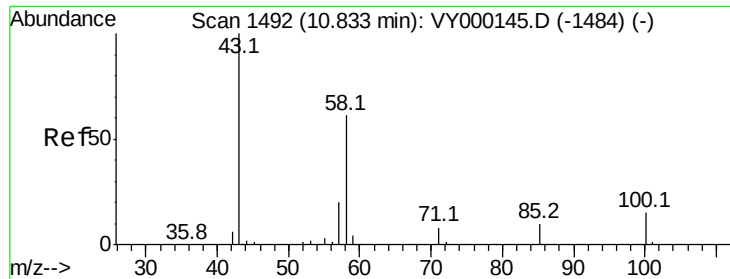
Tgt Ion: 63 Resp: 28987

Ion Ratio Lower Upper

63 100

106 33.0 27.0 40.6

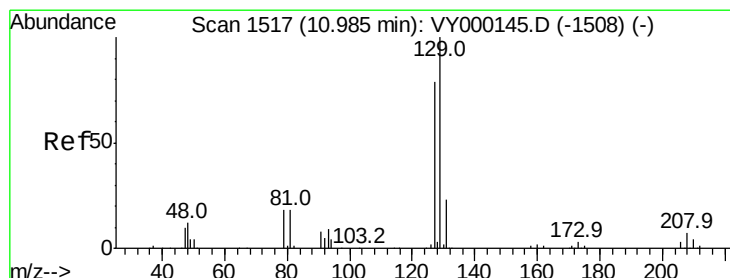
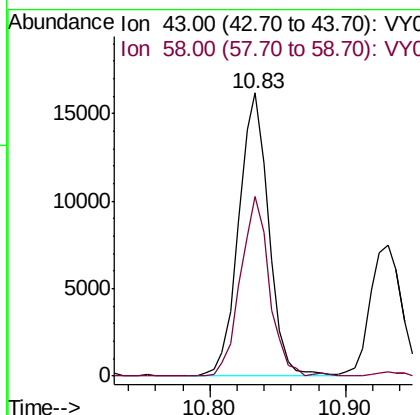
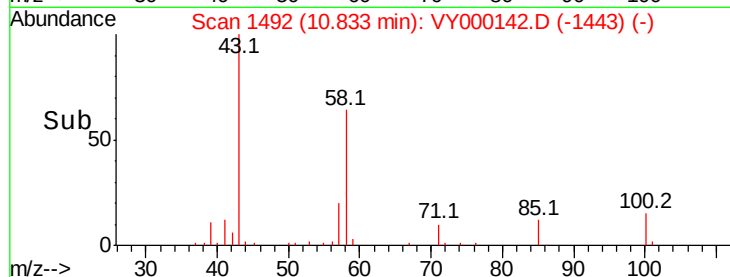
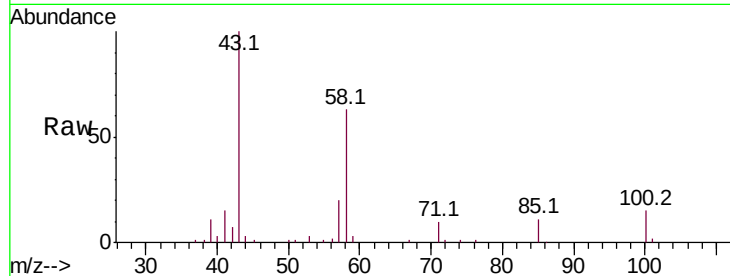




#59
2-Hexanone
Concen: 24.438 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

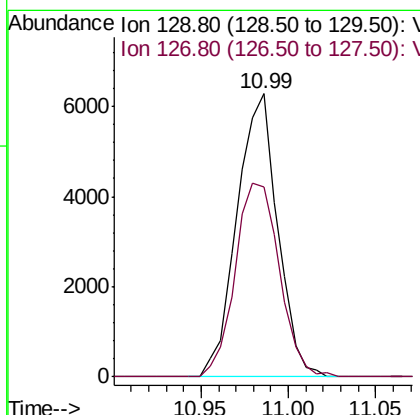
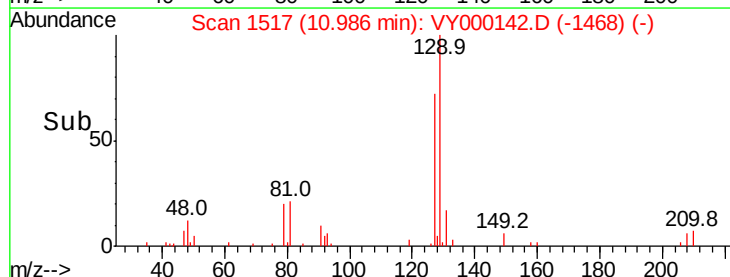
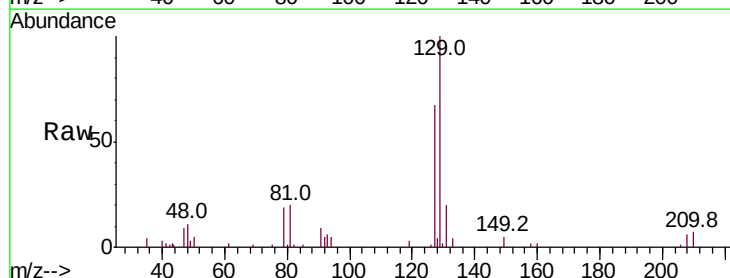
Instrument :
MSVOA_Y
ClientSampled :

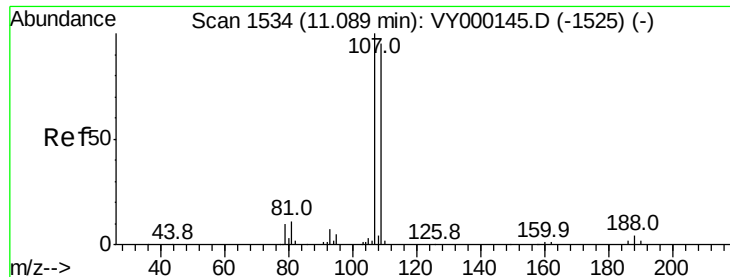
Tot Ion: 43 Resp: 24851
Ion Ratio Lower Upper
43 100
58 61.0 29.5 88.5



#60
Dibromochloromethane
Concen: 5.030 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Tgt Ion:129 Resp: 10157
Ion Ratio Lower Upper
129 100
127 74.5 39.4 118.1

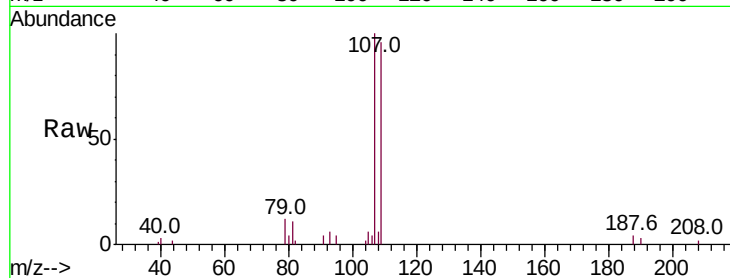




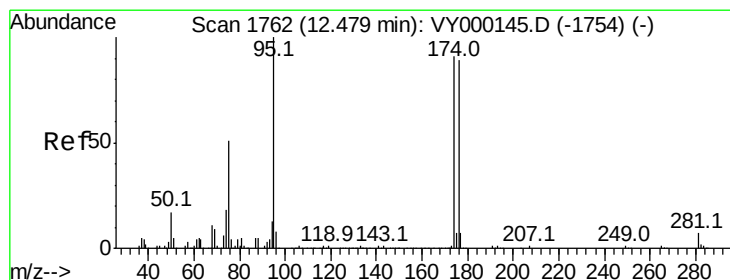
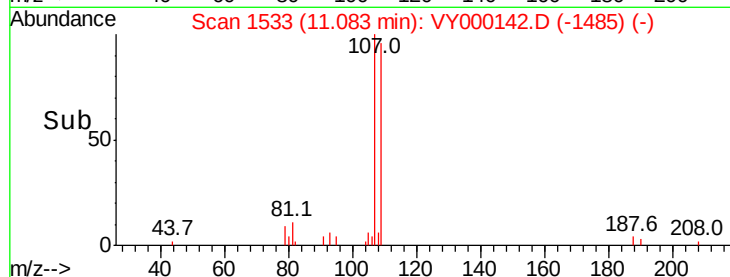
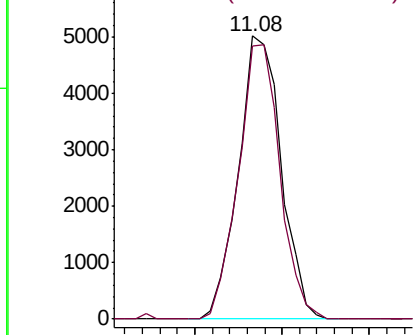
#61
 1,2-Dibromoethane
 Concen: 4.999 ug/l
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:107 Resp: 8522
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.8 113.8

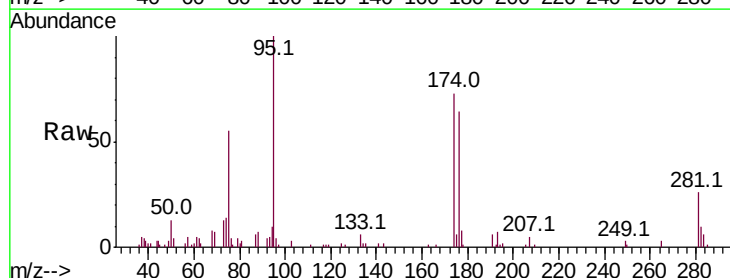


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

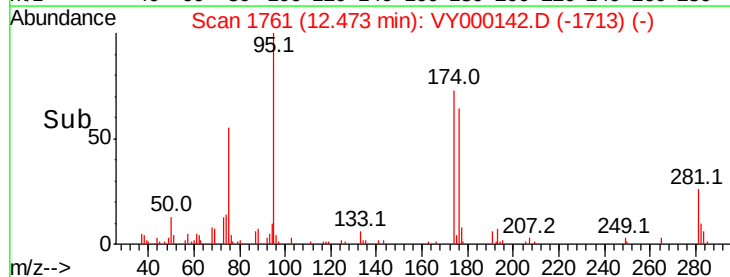
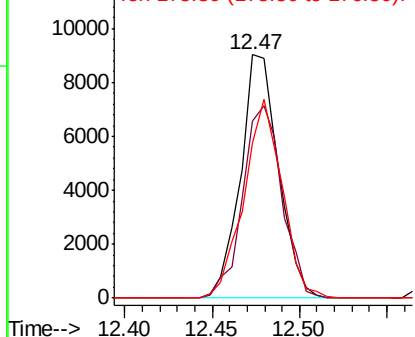


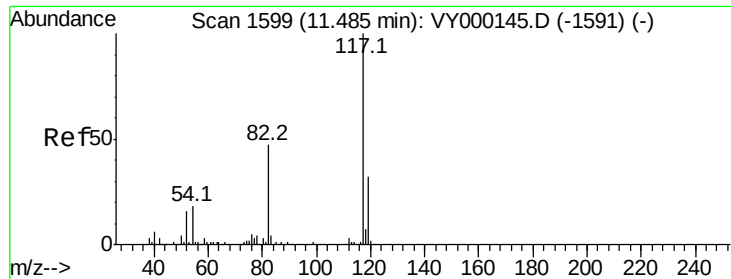
#62
 4-Bromofluorobenzene
 Concen: 4.975 ug/l
 RT: 12.47 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Tgt Ion: 95 Resp: 13660
 Ion Ratio Lower Upper
 95 100
 174 81.8 0.0 180.6
 176 81.8 0.0 171.6



Abundance Ion 94.90 (94.60 to 95.60): VY0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

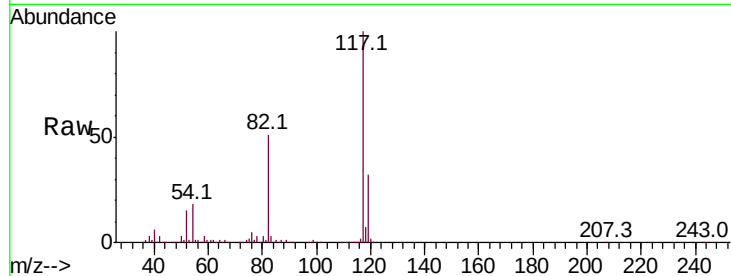




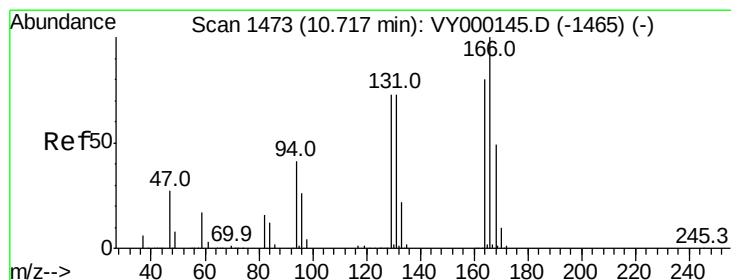
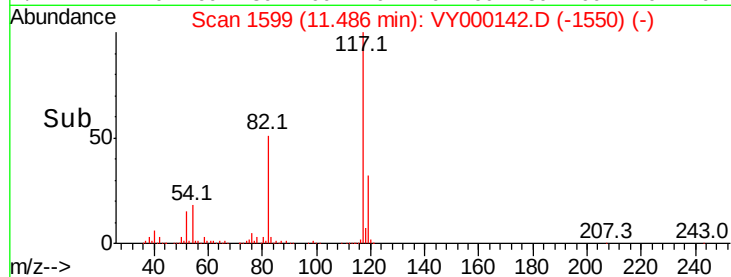
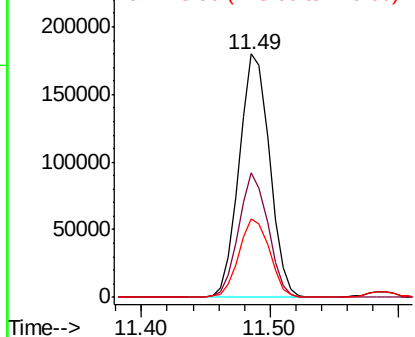
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 294275
Ion Ratio Lower Upper
117 100
82 51.0 37.7 56.5
119 32.0 25.4 38.2

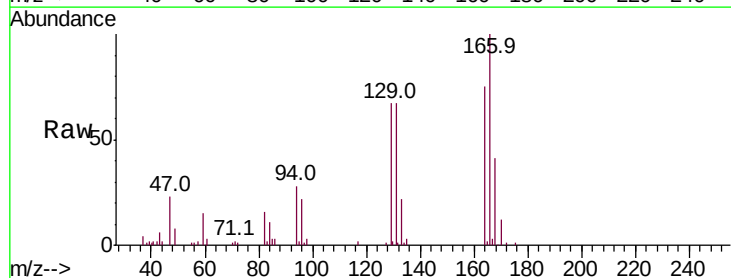


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

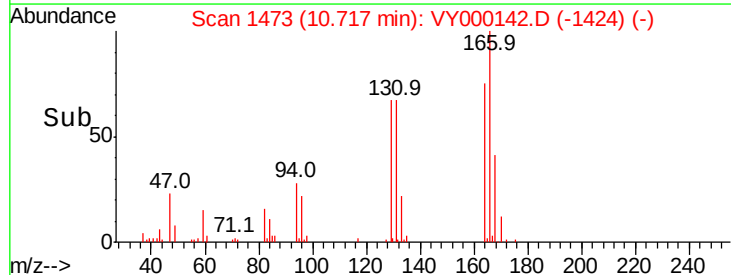
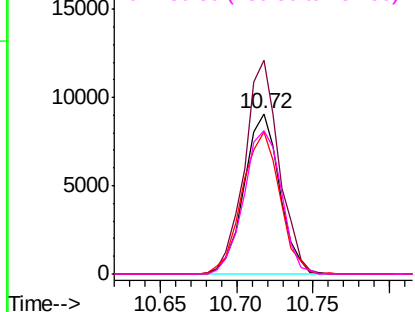


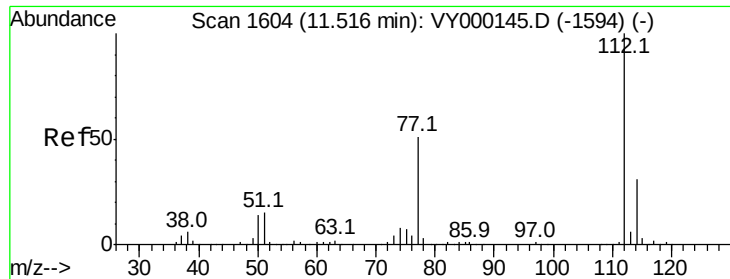
#64
Tetrachloroethene
Concen: 5.029 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Tgt Ion:164 Resp: 14659
Ion Ratio Lower Upper
164 100
166 133.1 99.5 149.3
129 88.7 72.8 109.2
131 89.6 73.0 109.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 5.294 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

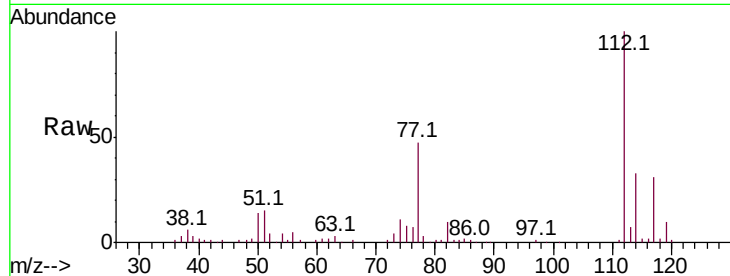
ClientSampled :

Tot Ion:112 Resp: 32423

Ion Ratio Lower Upper

112 100

114 32.6 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.52

20000

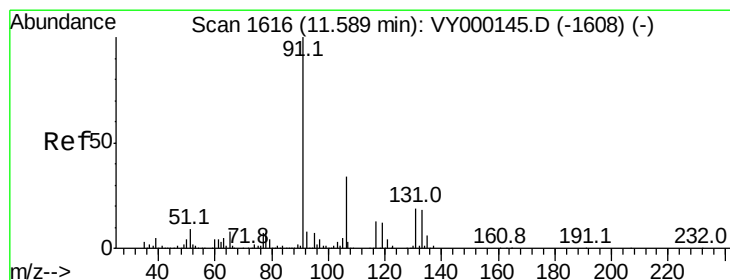
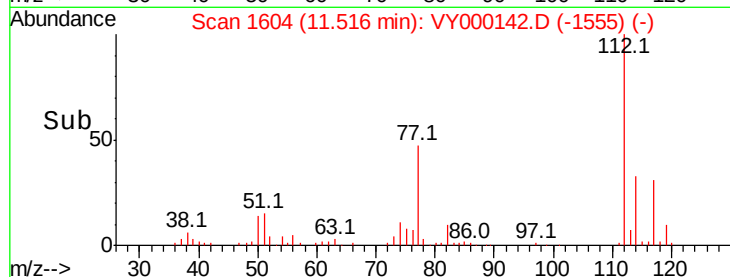
15000

10000

5000

0

Time--> 11.45 11.50 11.55



#66

1,1,1,2-Tetrachloroethane

Concen: 5.065 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

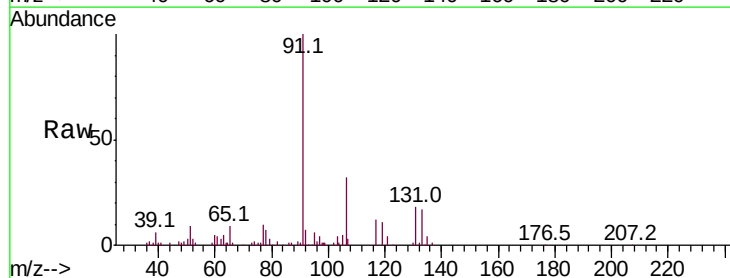
Tgt Ion:131 Resp: 10482

Ion Ratio Lower Upper

131 100

133 91.4 47.2 141.6

119 63.7 32.3 96.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

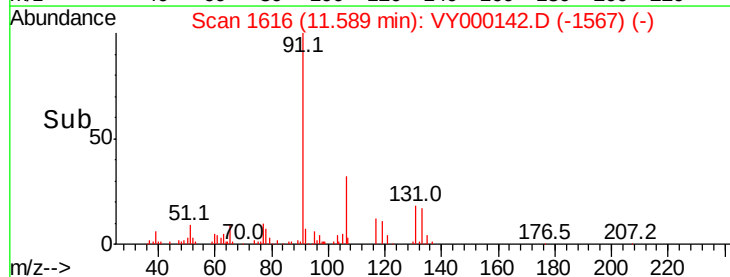
60000

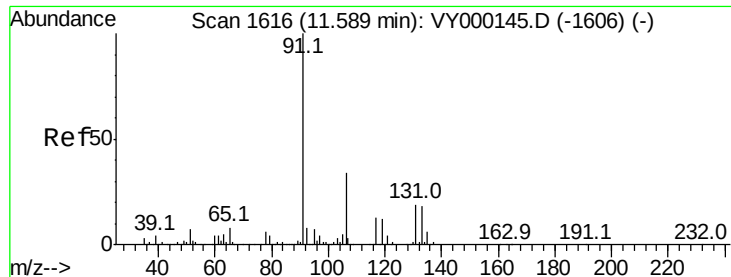
40000

20000

0

Time--> 11.50 11.55 11.60 11.65

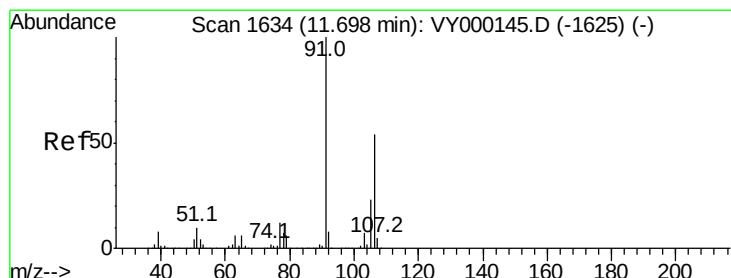
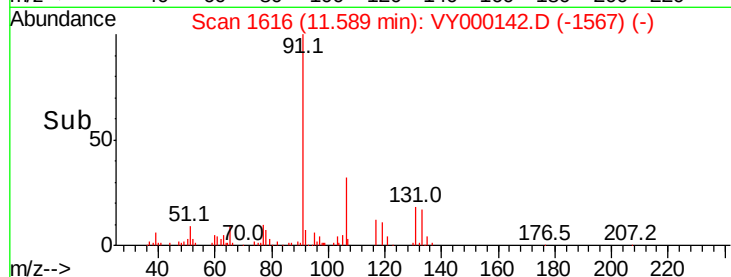
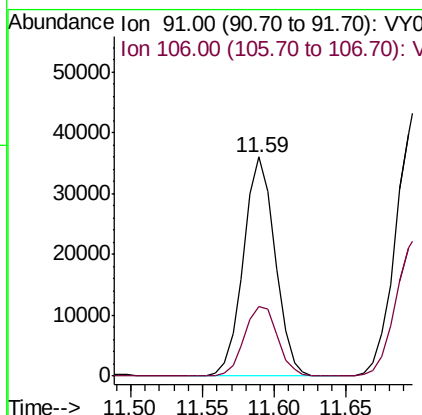
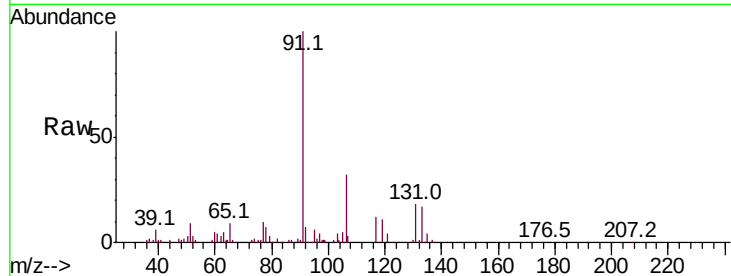




#67
Ethyl Benzene
Concen: 5.246 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

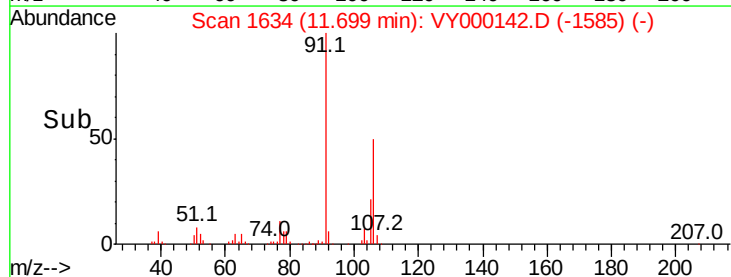
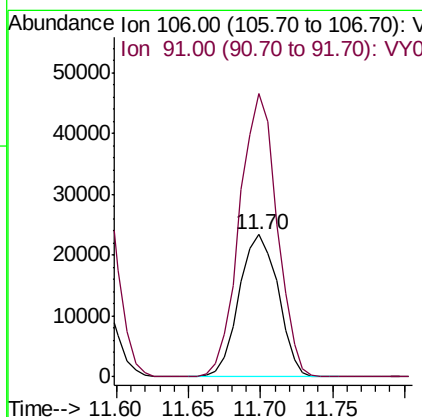
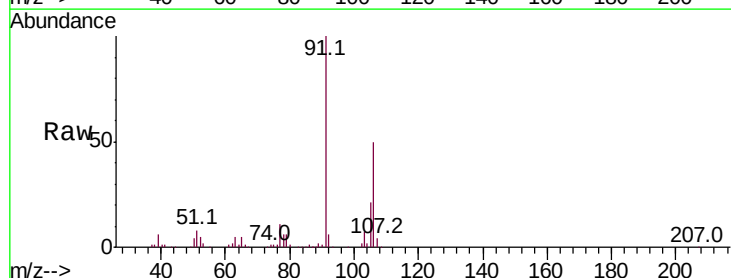
Instrument :
MSVOA_Y
ClientSampled :

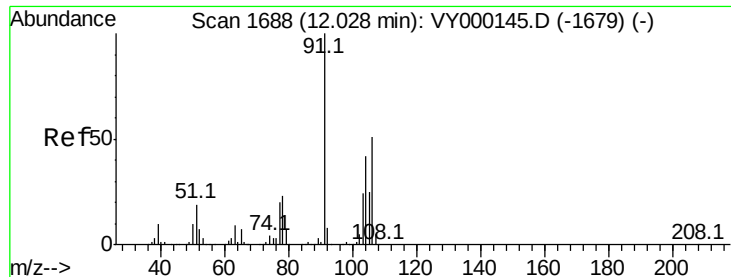
Tot Ion: 91 Resp: 54915
Ion Ratio Lower Upper
91 100
106 31.7 27.3 40.9



#68
m/p-Xylenes
Concen: 10.430 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Tgt Ion: 106 Resp: 44140
Ion Ratio Lower Upper
106 100
91 190.4 148.6 223.0

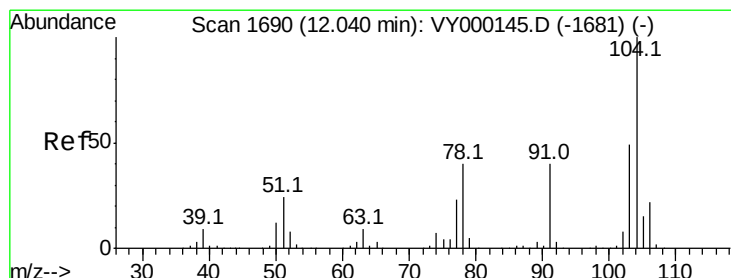
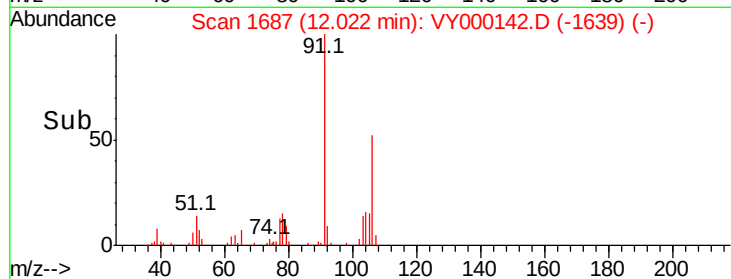
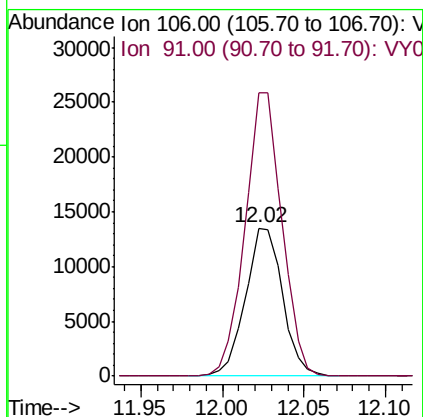
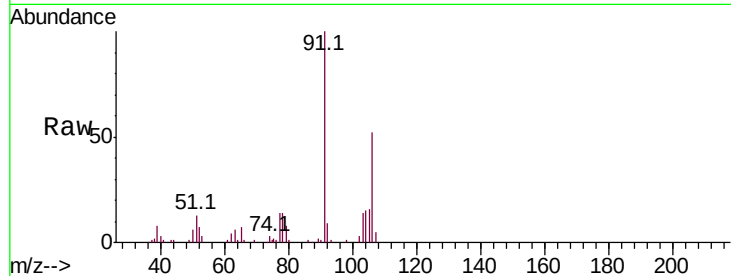




#69
o-Xylene
Concen: 5.302 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

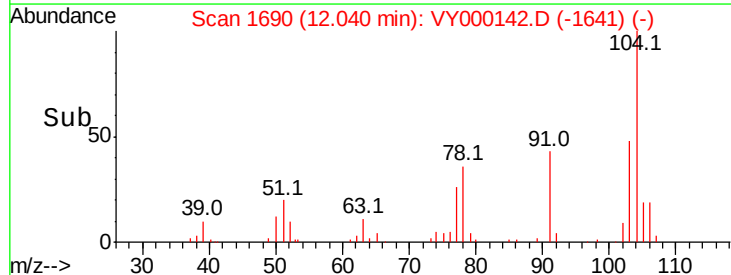
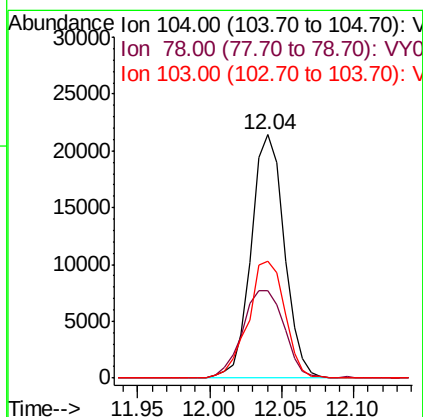
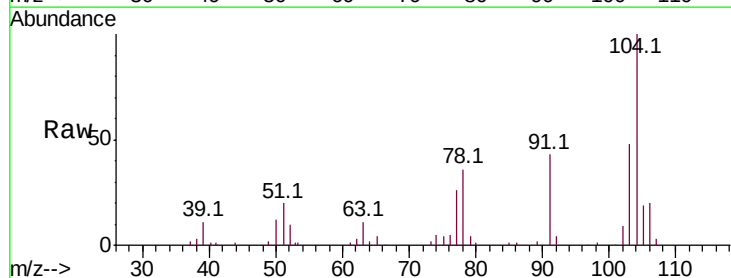
Instrument :
MSVOA_Y
ClientSampled :

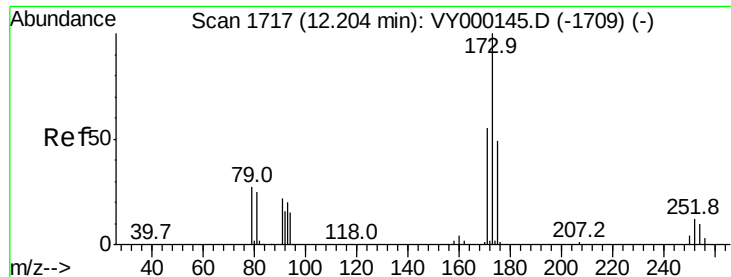
Tot Ion:106 Resp: 21399
Ion Ratio Lower Upper
106 100
91 190.1 98.0 293.9



#70
Styrene
Concen: 4.981 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Tgt Ion:104 Resp: 34022
Ion Ratio Lower Upper
104 100
78 45.2 34.7 52.1
103 53.3 41.6 62.4





#71

Bromoform

Concen: 4.720 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

ClientSampleId :

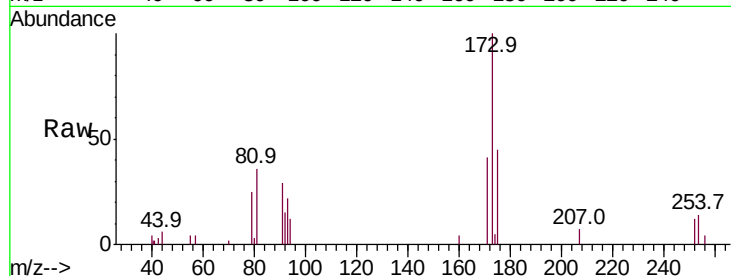
Tot Ion:173 Resp: 5740

Ion Ratio Lower Upper

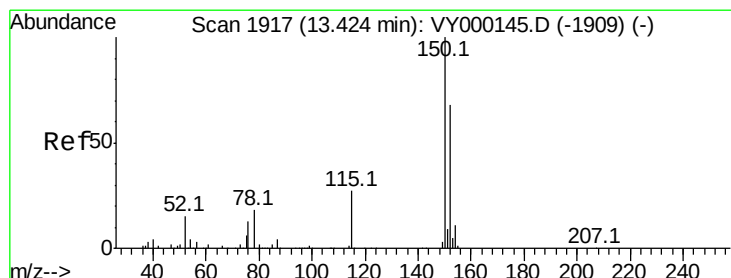
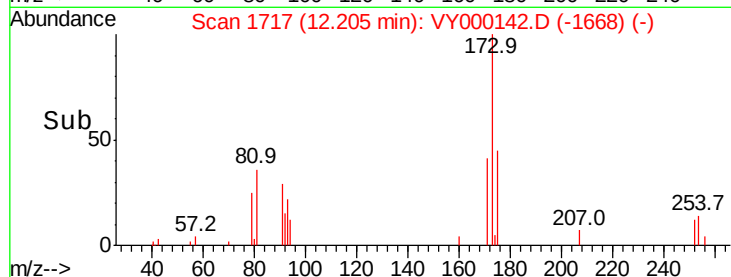
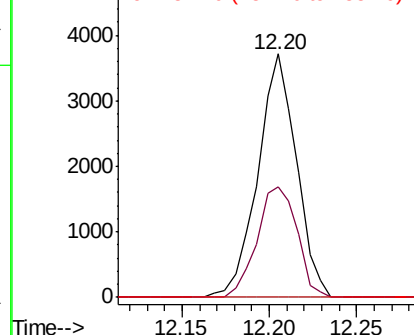
173 100

175 46.9 23.5 70.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

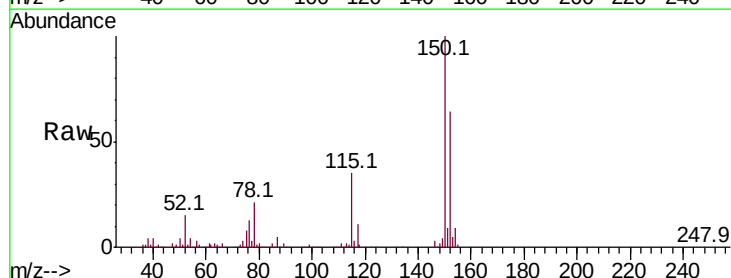
Tgt Ion:152 Resp: 139382

Ion Ratio Lower Upper

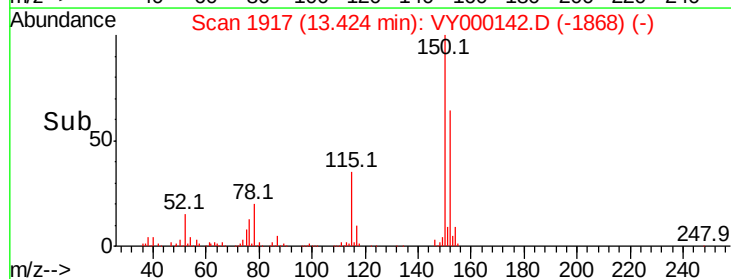
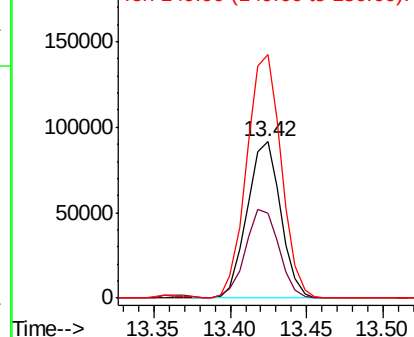
152 100

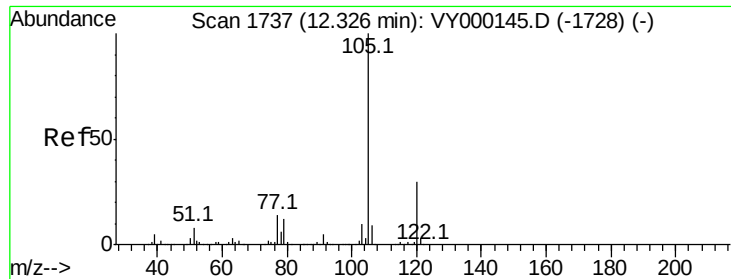
115 56.7 26.8 80.4

150 160.5 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

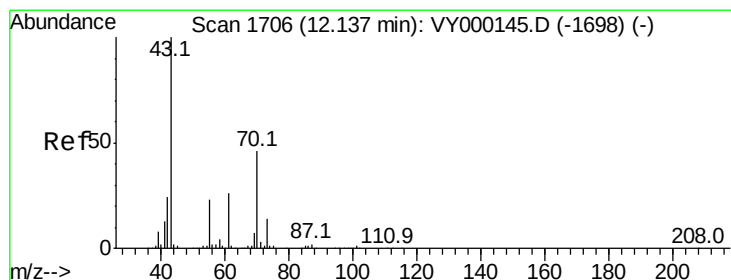
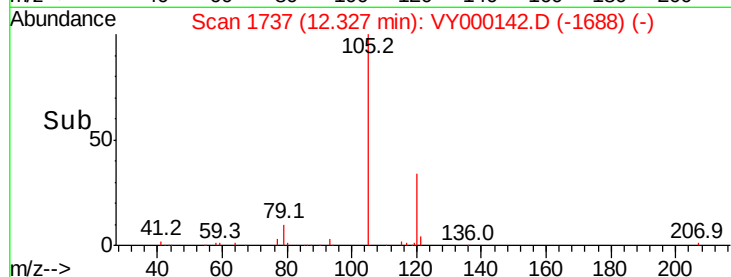
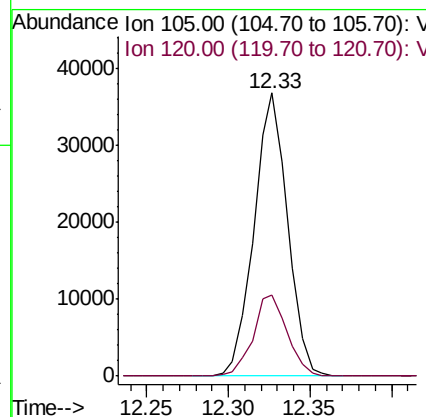
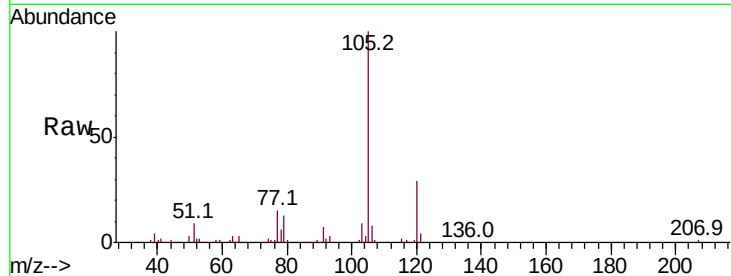




#73
Isopropylbenzene
Concen: 5.224 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

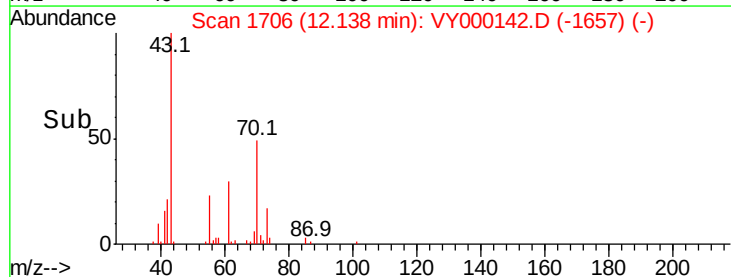
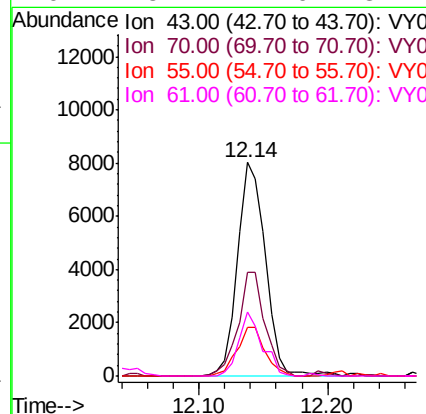
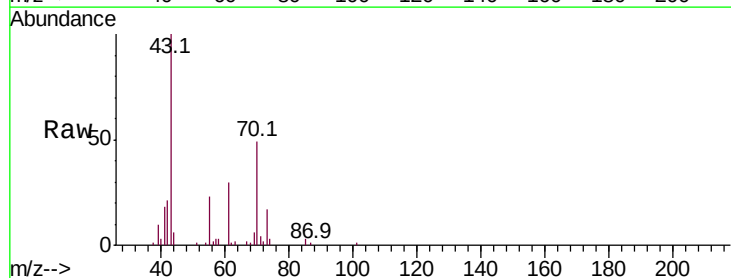
Instrument :
MSVOA_Y
ClientSampleId :

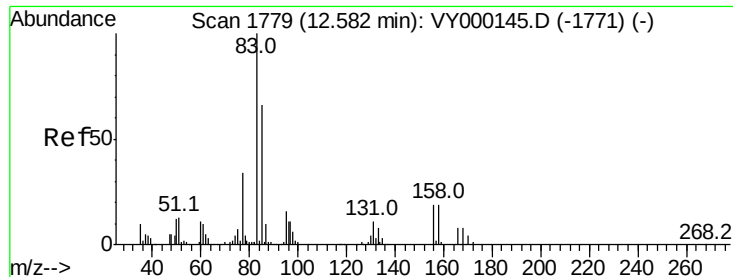
Tot Ion:105 Resp: 52532
Ion Ratio Lower Upper
105 100
120 29.2 14.7 44.1



#74
N-ethyl acetate
Concen: 4.963 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Tgt Ion: 43 Resp: 12081
Ion Ratio Lower Upper
43 100
70 46.8 37.3 55.9
55 23.4 18.6 27.8
61 25.1 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 6.154 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

ClientSampleId :

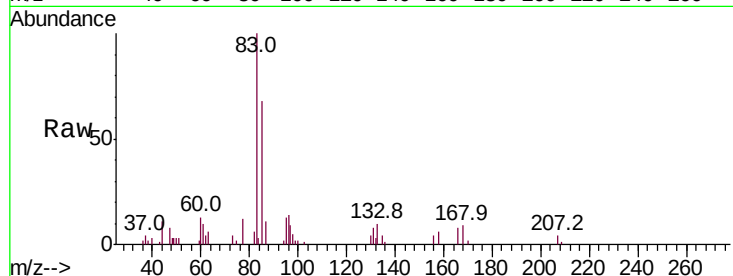
Tot Ion: 83 Resp: 9633

Ion Ratio Lower Upper

83 100

131 11.2 5.4 16.2

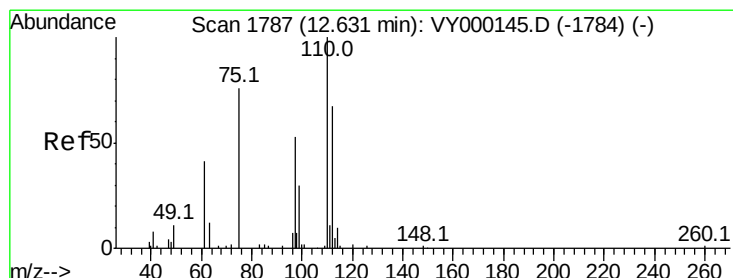
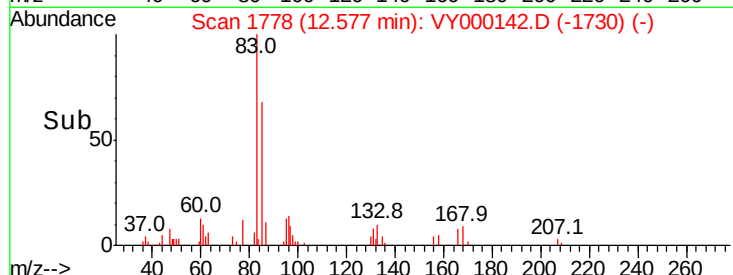
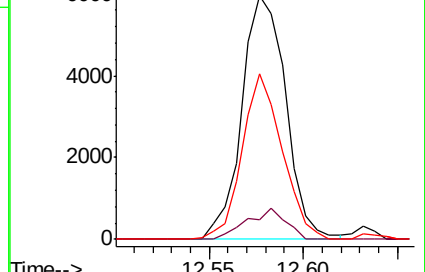
85 61.7 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 9.145 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY000142.D

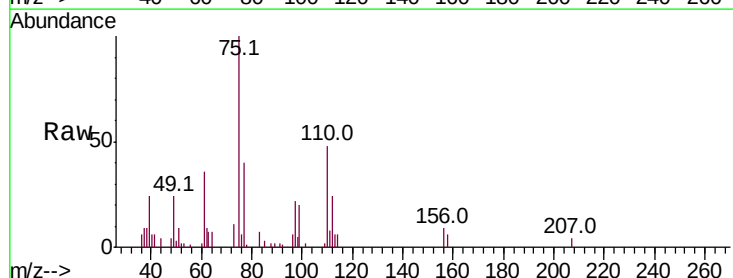
Acq: 26 Sep 2019 10:27

Tgt Ion: 75 Resp: 12555

Ion Ratio Lower Upper

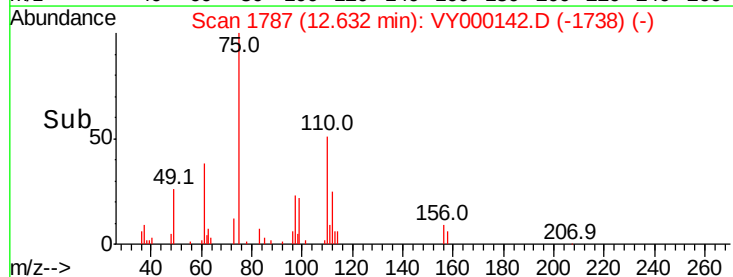
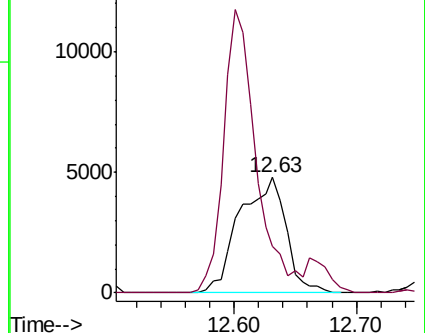
75 100

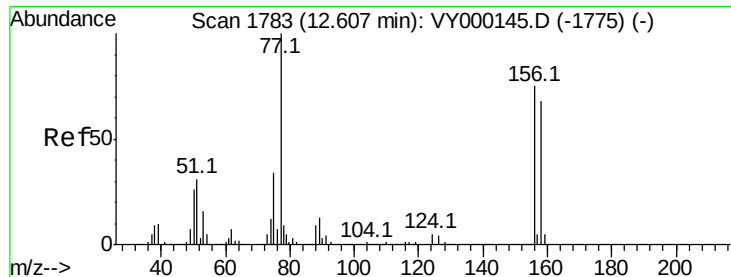
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 5.308 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

ClientSampleId :

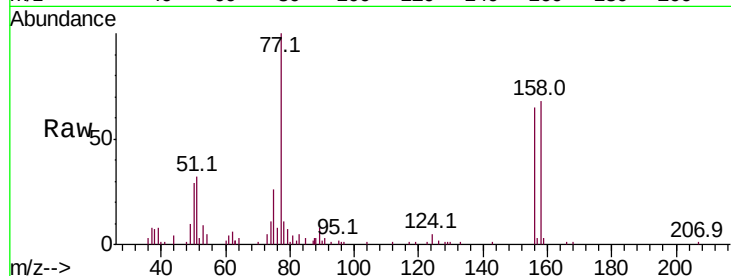
Tot Ion:156 Resp: 13188

Ion Ratio Lower Upper

156 100

77 164.9 83.0 249.2

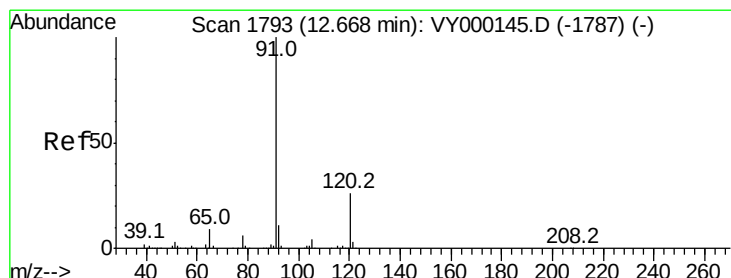
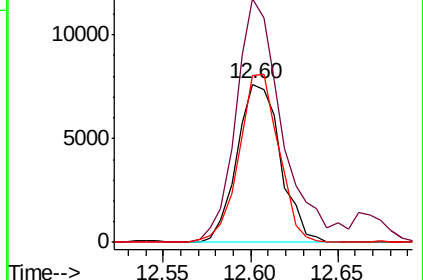
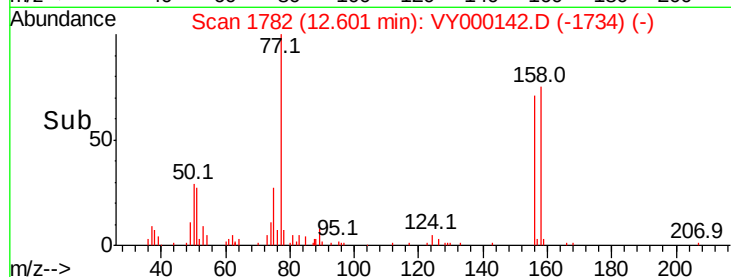
158 97.4 47.4 142.2



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: 5.309 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000142.D

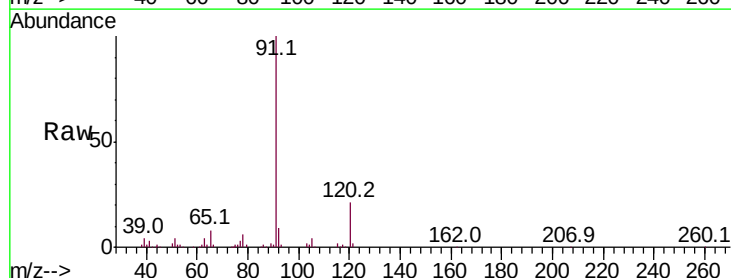
Acq: 26 Sep 2019 10:27

Tgt Ion: 91 Resp: 63646

Ion Ratio Lower Upper

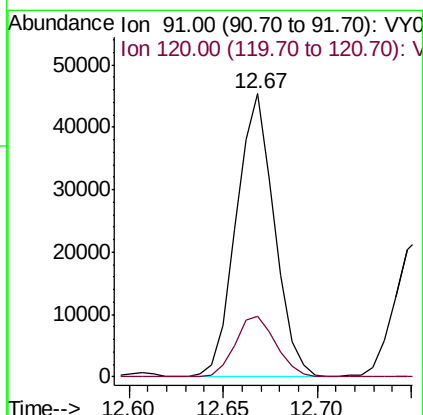
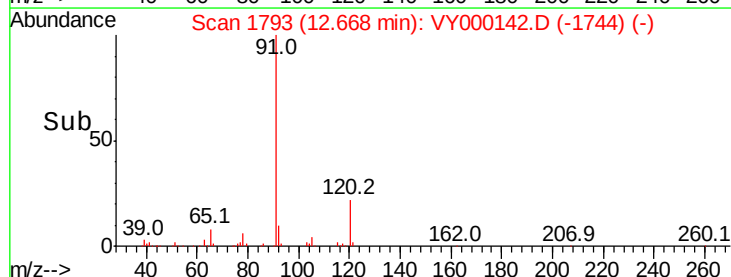
91 100

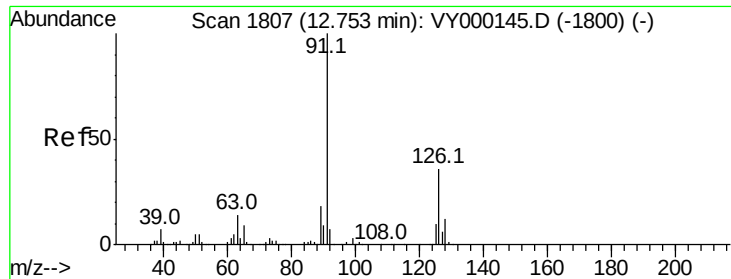
120 22.9 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.242 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

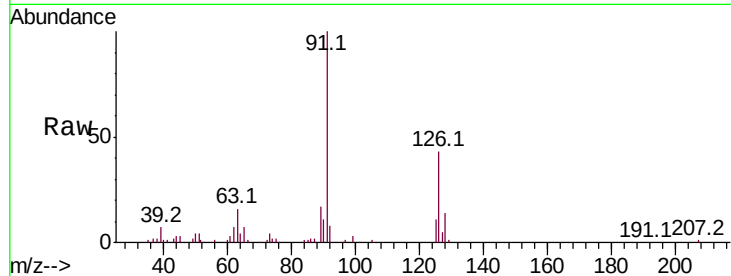
ClientSampleId :

Tot Ion: 91 Resp: 34189

Ion Ratio Lower Upper

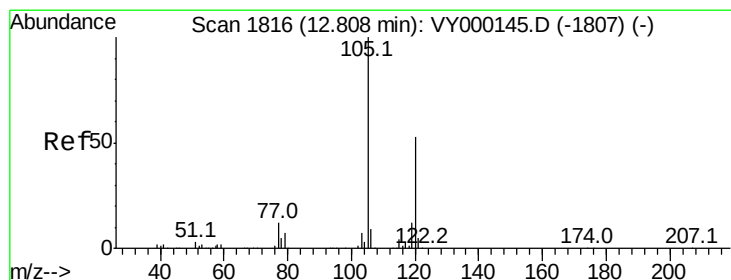
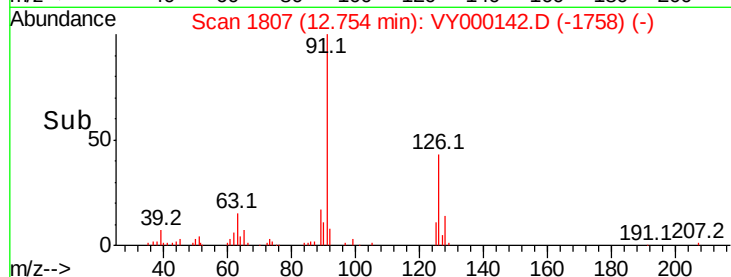
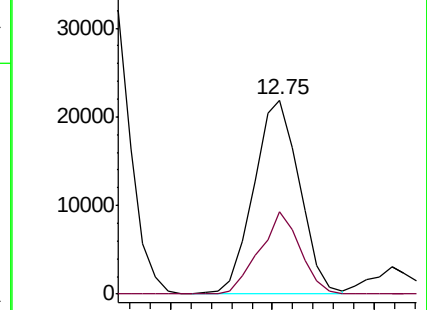
91 100

126 38.1 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VY000145.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY000145.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.237 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000142.D

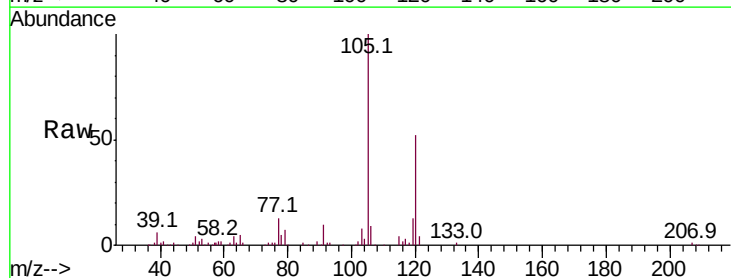
Acq: 26 Sep 2019 10:27

Tgt Ion: 105 Resp: 43809

Ion Ratio Lower Upper

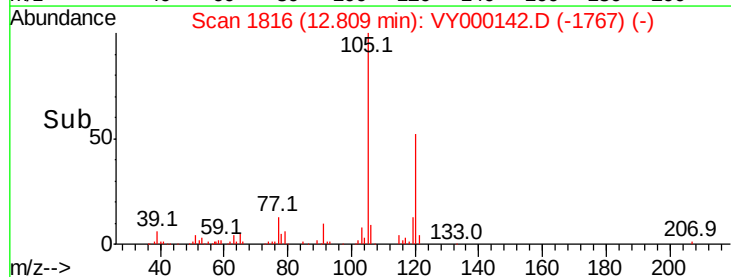
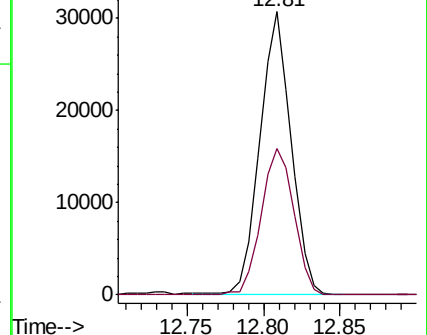
105 100

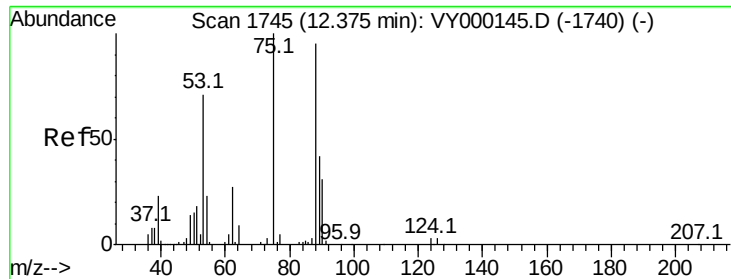
120 53.9 26.7 80.0



Abundance Ion 105.00 (104.70 to 105.70): VY000145.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY000145.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 5.327 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

ClientSampled :

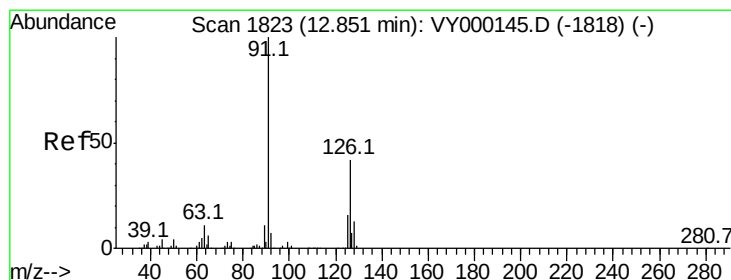
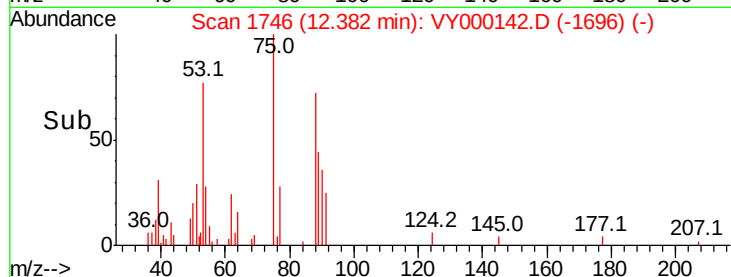
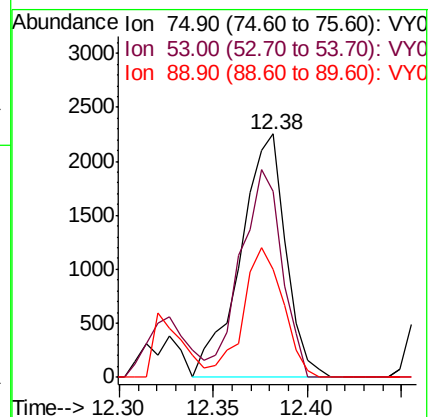
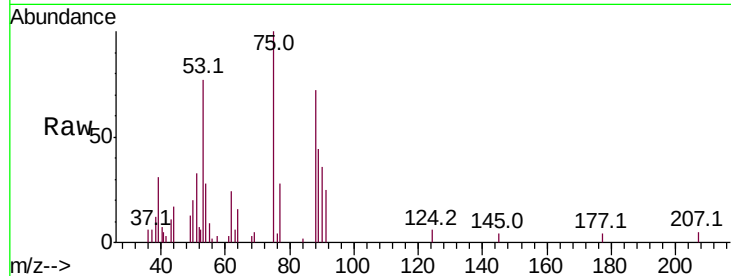
Tot Ion: 75 Resp: 3750

Ion Ratio Lower Upper

75 100

53 78.2 61.8 92.8

89 47.1 35.6 53.4



#82

4-Chlorotoluene

Concen: 5.208 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY000142.D

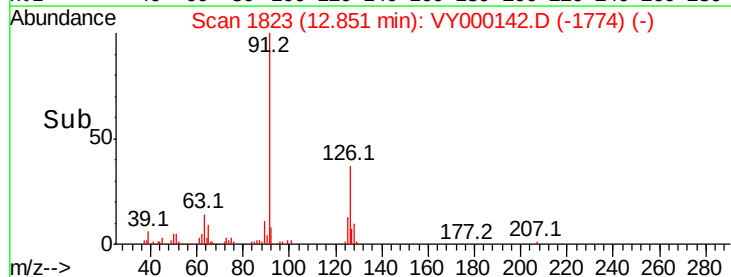
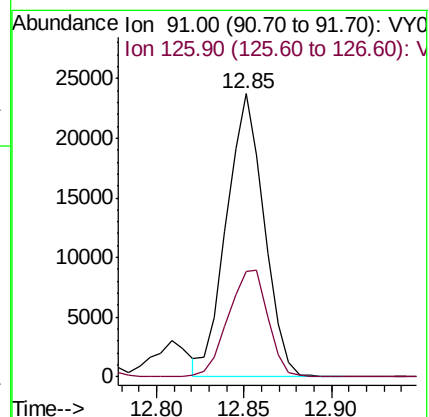
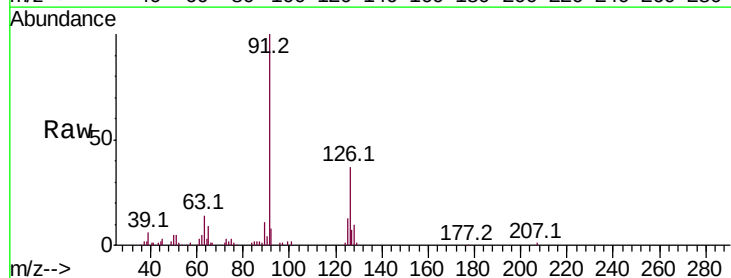
Acq: 26 Sep 2019 10:27

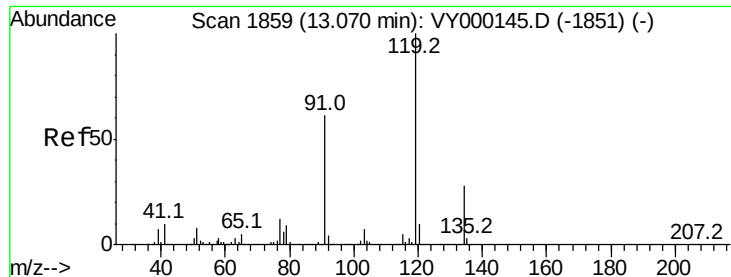
Tgt Ion: 91 Resp: 35392

Ion Ratio Lower Upper

91 100

126 39.5 19.4 58.2

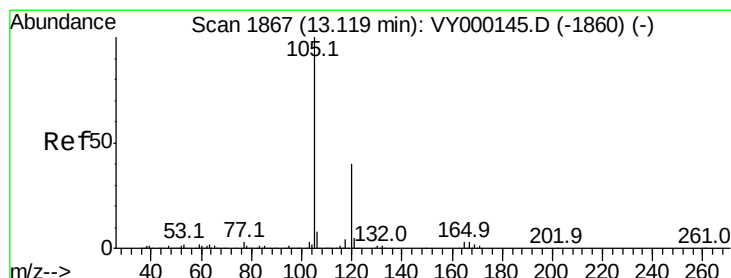
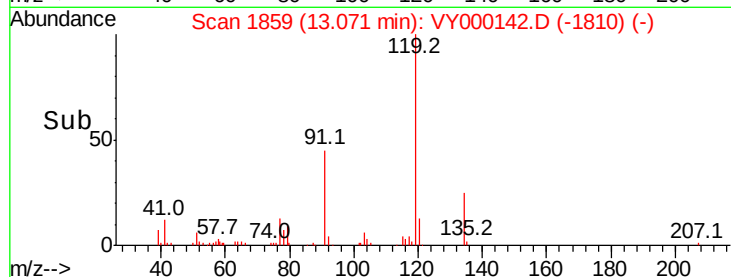
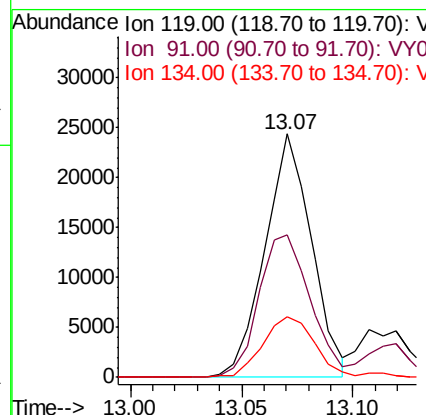
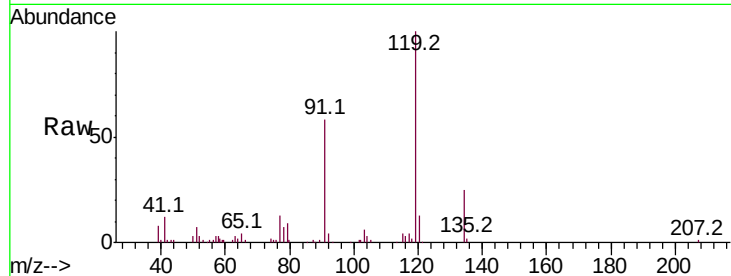




#83
 tert-Butylbenzene
 Concen: 4.925 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

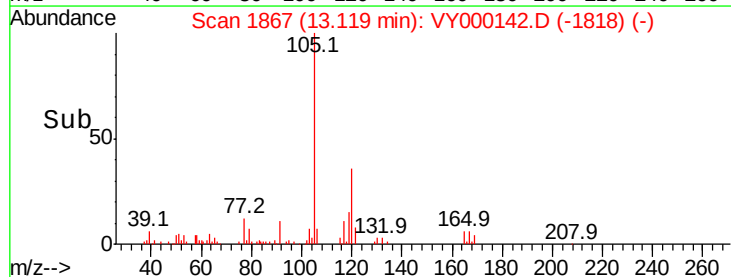
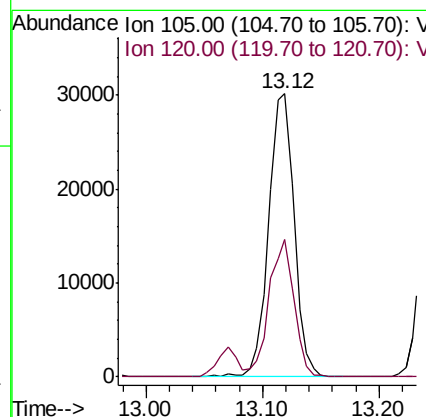
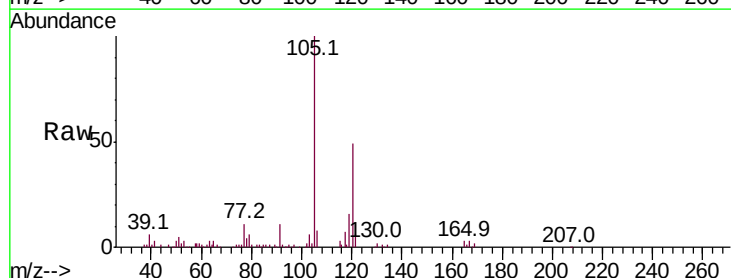
Instrument :
 MSVOA_Y
 ClientSampleId :

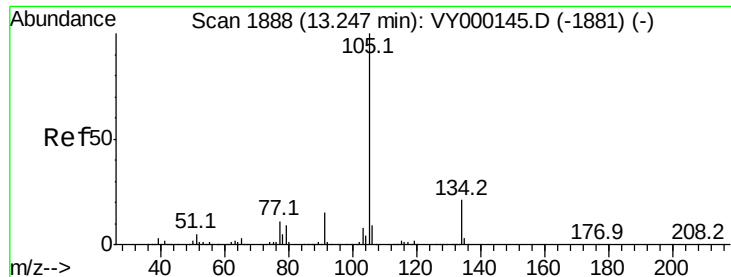
Tot Ion:119 Resp: 35477
 Ion Ratio Lower Upper
 119 100
 91 64.4 31.0 93.0
 134 28.9 14.0 41.9



#84
 1,2,4-Trimethylbenzene
 Concen: 5.394 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Tgt Ion:105 Resp: 45598
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.6 73.8





#85

sec-Butylbenzene

Concen: 5.310 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

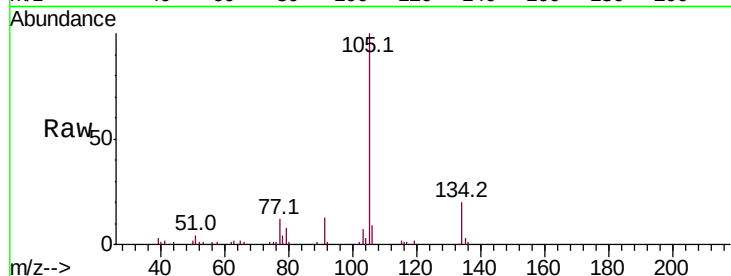
ClientSampleId :

Tot Ion:105 Resp: 54915

Ion Ratio Lower Upper

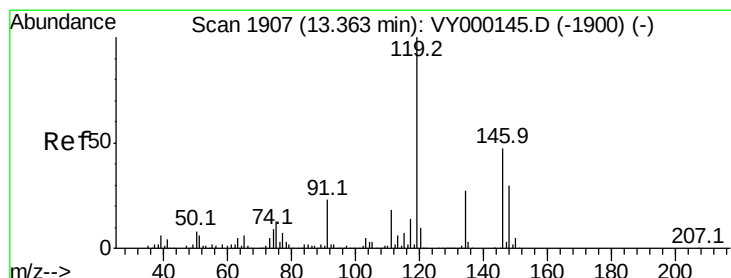
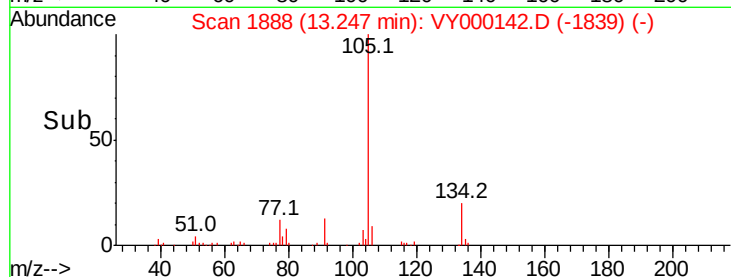
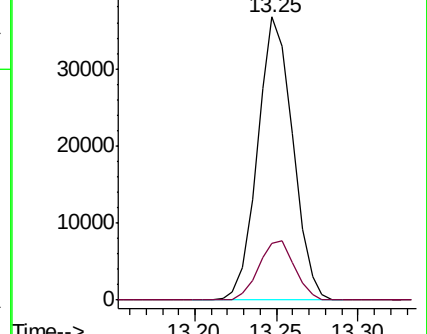
105 100

134 21.3 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.263 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

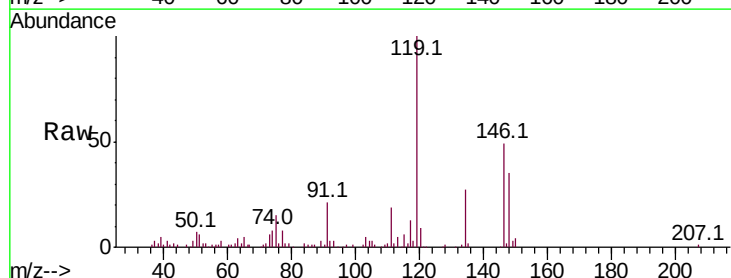
Tgt Ion:119 Resp: 48473

Ion Ratio Lower Upper

119 100

134 28.1 14.3 42.9

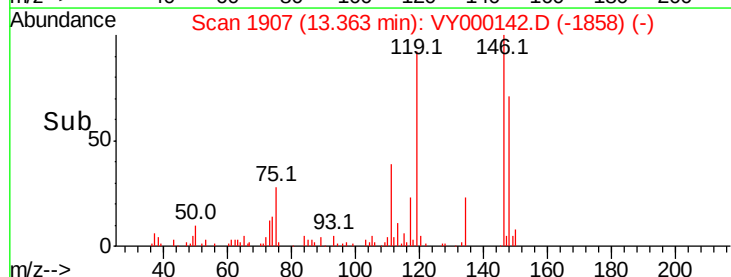
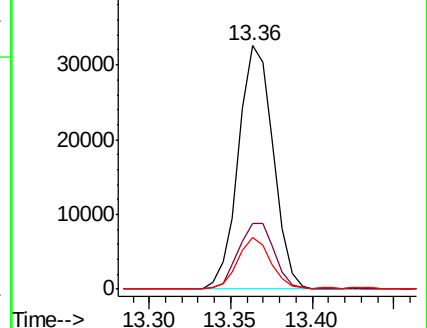
91 20.1 11.4 34.1

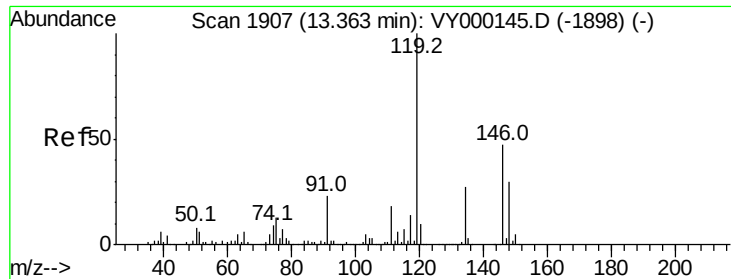


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 5.497 ug/l

RT: 13.36 min Scan# 1906

Delta R.T. -0.01 min

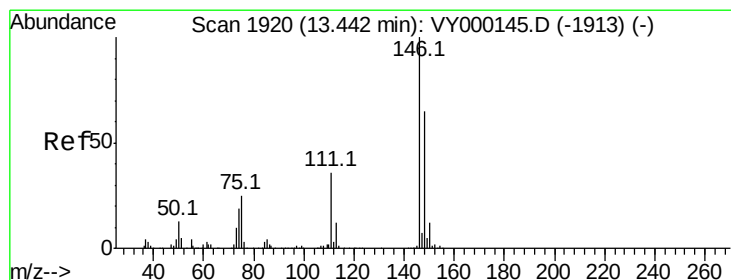
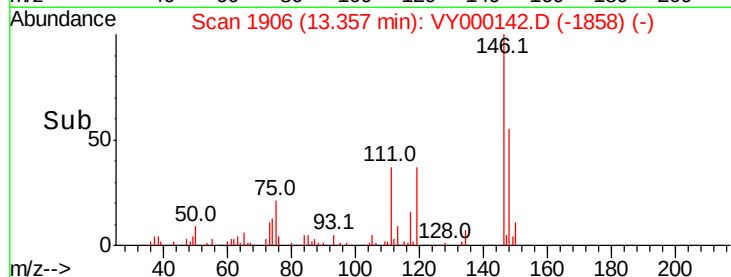
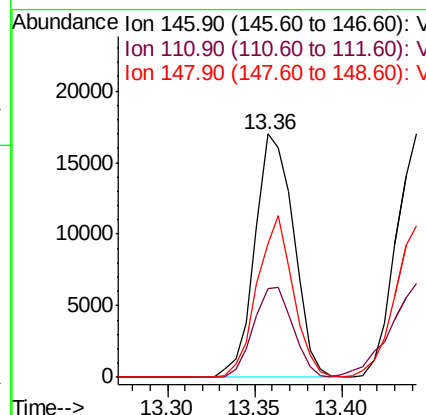
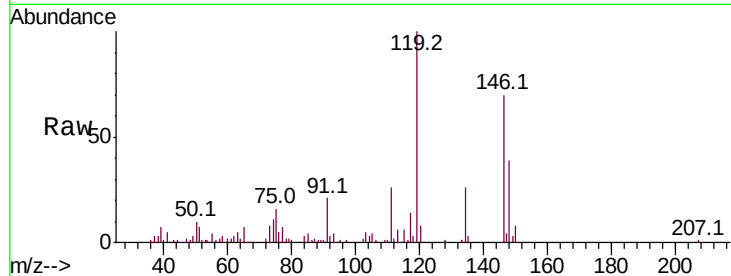
Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:146 Resp: 26167

Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.0	57.0
148	61.6	31.6	94.8



#88

1,4-Dichlorobenzene

Concen: 5.263 ug/l

RT: 13.44 min Scan# 1920

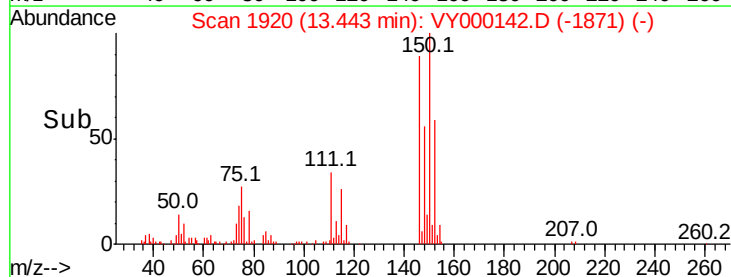
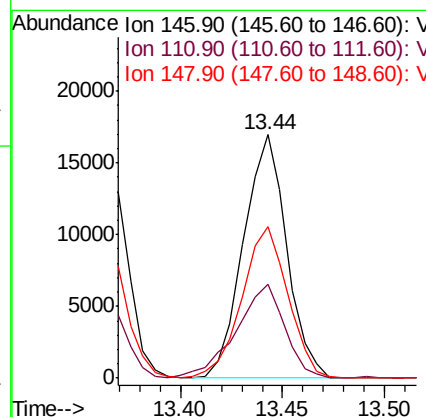
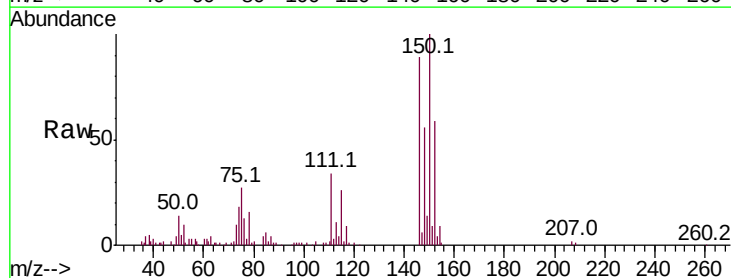
Delta R.T. 0.00 min

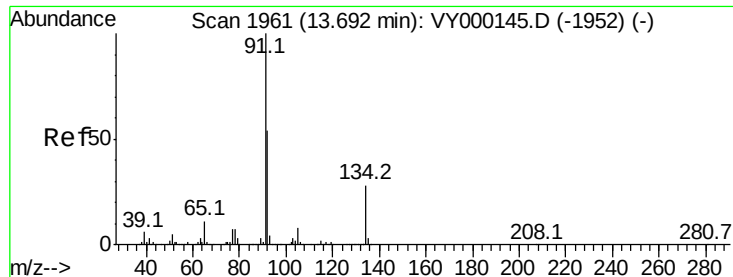
Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Tgt Ion:146 Resp: 24936

Ion	Ratio	Lower	Upper
146	100		
111	43.3	18.3	54.9
148	66.5	31.9	95.7

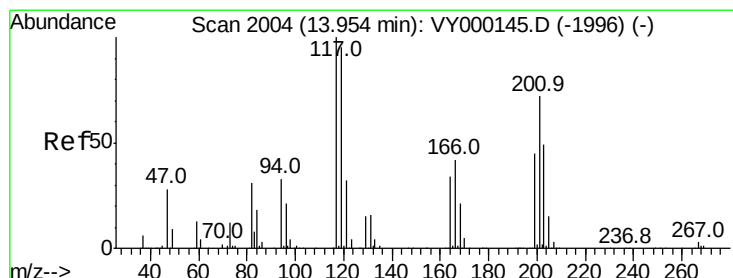
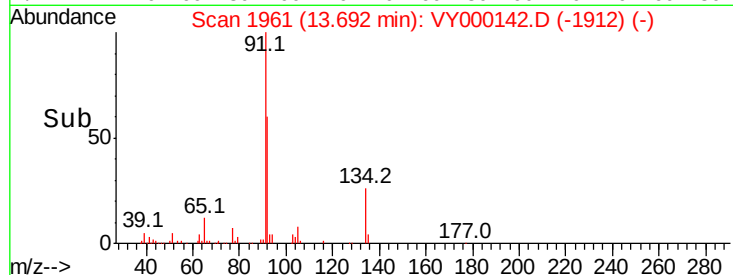
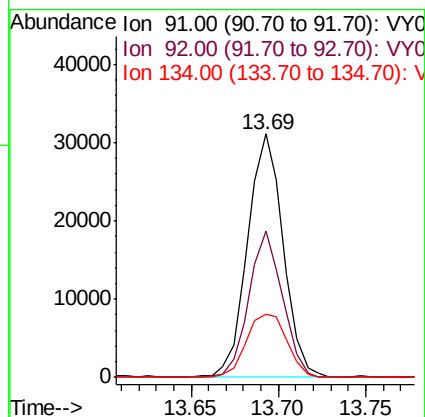
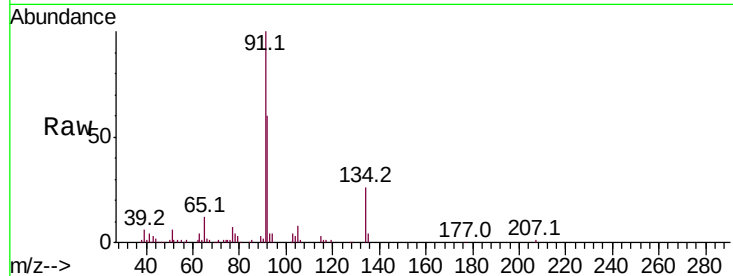




#89
n-Butylbenzene
Concen: 5.055 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

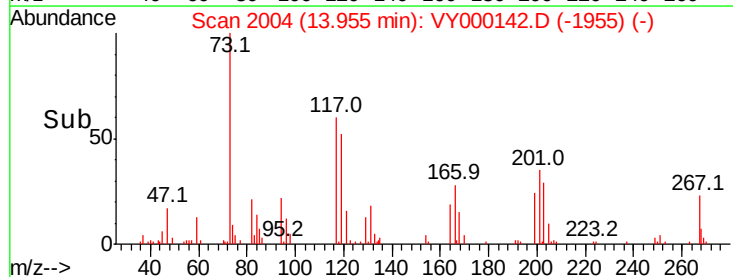
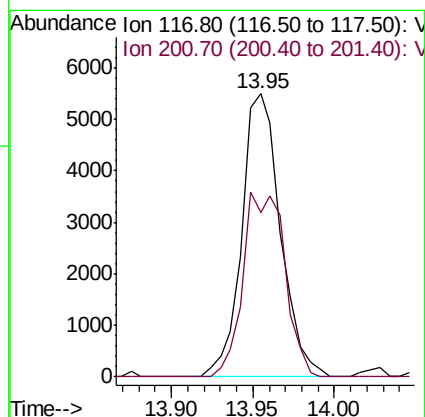
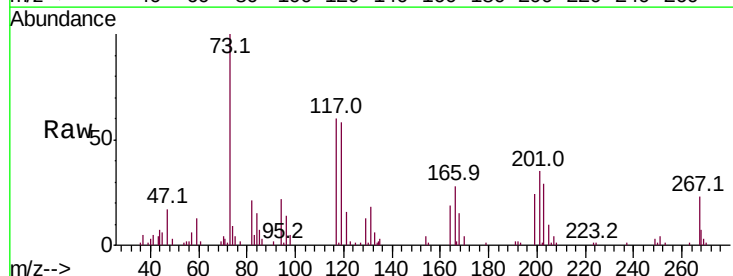
Instrument :
MSVOA_Y
ClientSampleId :

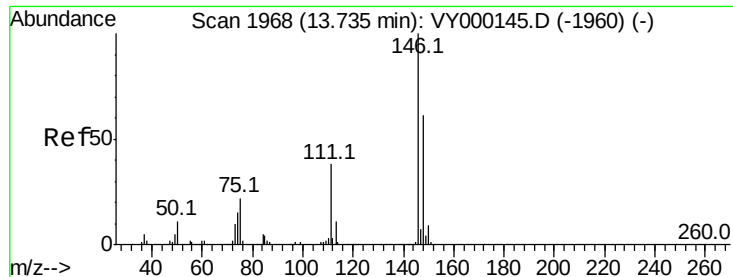
Tot Ion: 91 Resp: 44246
Ion Ratio Lower Upper
91 100
92 56.9 26.8 80.4
134 29.7 14.4 43.2



#90
Hexachloroethane
Concen: 5.207 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY000142.D
Acq: 26 Sep 2019 10:27

Tgt Ion: 117 Resp: 9061
Ion Ratio Lower Upper
117 100
201 70.0 38.6 115.8

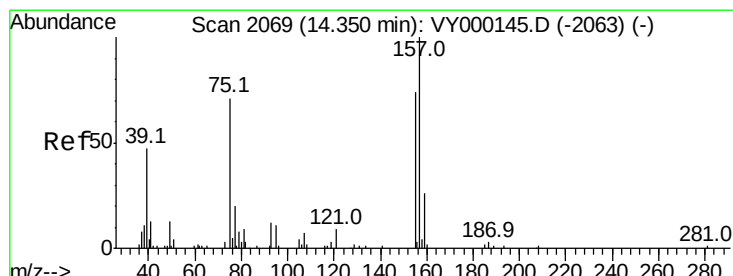
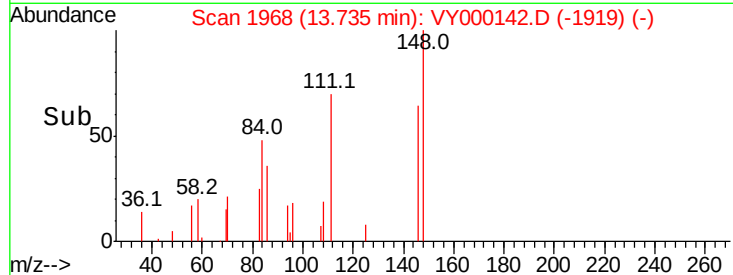
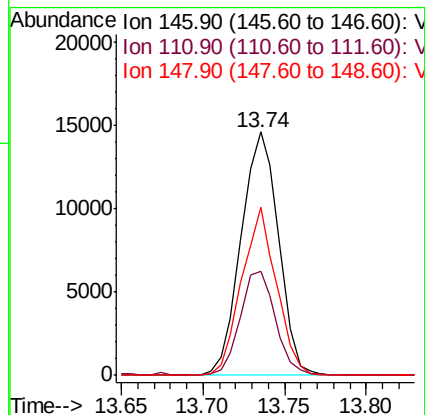
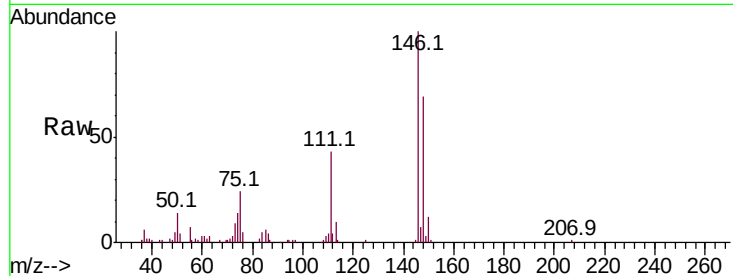




#91
 1,2-Dichlorobenzene
 Concen: 5.380 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

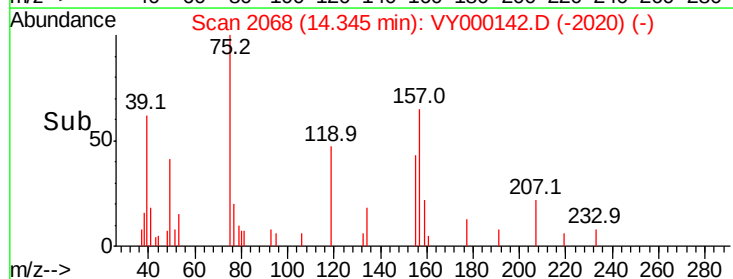
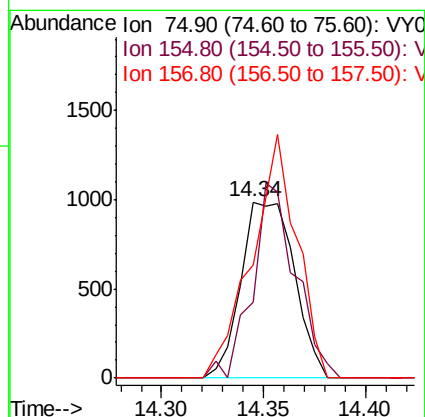
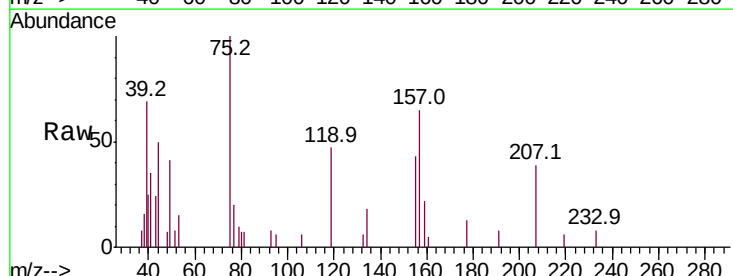
Instrument :
 MSVOA_Y
 ClientSampleId :

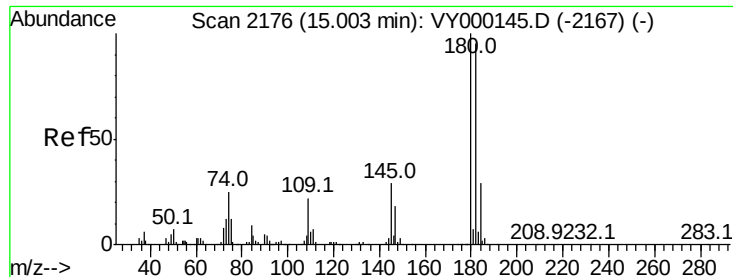
Tot Ion:	146	Resp:	23397
Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.2	57.6
148	64.0	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.802 ug/l
 RT: 14.34 min Scan# 2068
 Delta R.T. -0.01 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Tgt Ion:	75	Resp:	1792
Ion	Ratio	Lower	Upper
75	100		
155	90.0	51.3	153.9
157	116.9	67.3	201.8

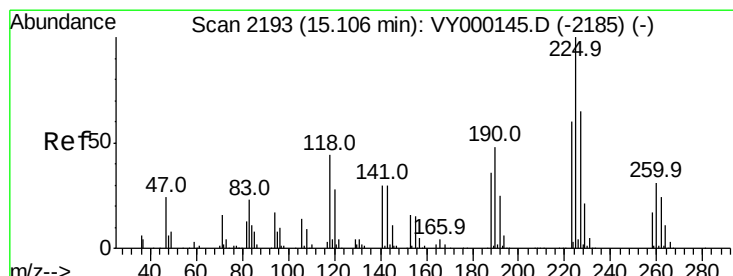
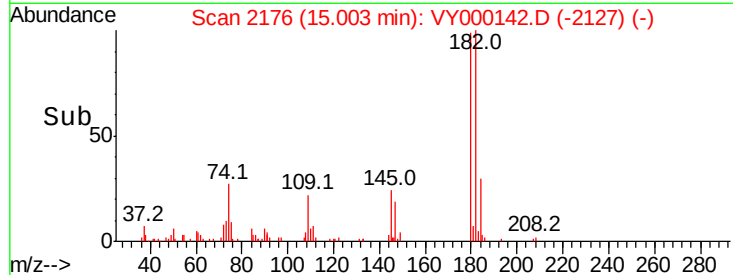
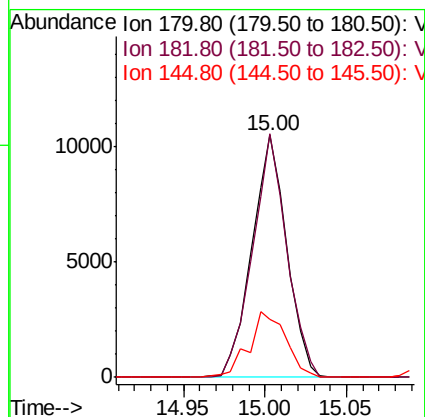
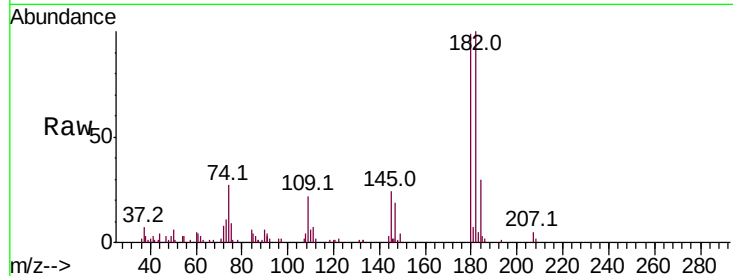




#93
 1,2,4-Trichlorobenzene
 Concen: 5.163 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

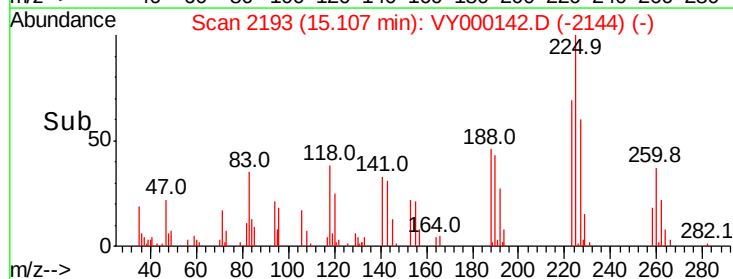
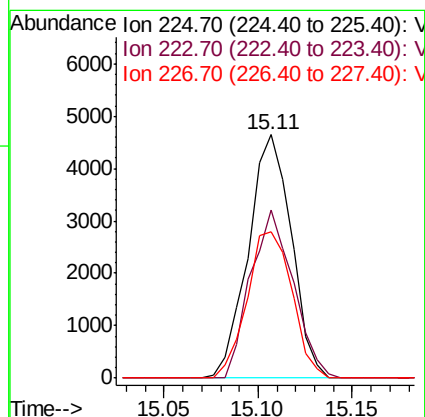
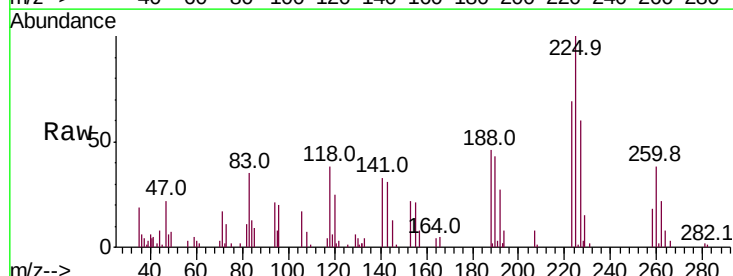
Instrument :
 MSVOA_Y
 ClientSampled :

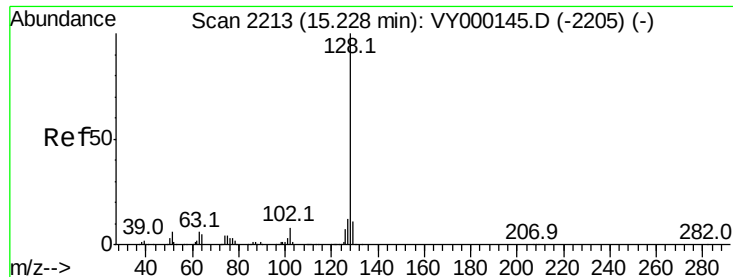
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.0	141.2
145	28.8	14.6	44.0



#94
 Hexachlorobutadiene
 Concen: 5.009 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000142.D
 Acq: 26 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.1	31.5	94.5
227	62.7	32.4	97.0





#95

Naphthalene

Concen: 5.374 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Instrument :

MSVOA_Y

ClientSampleId :

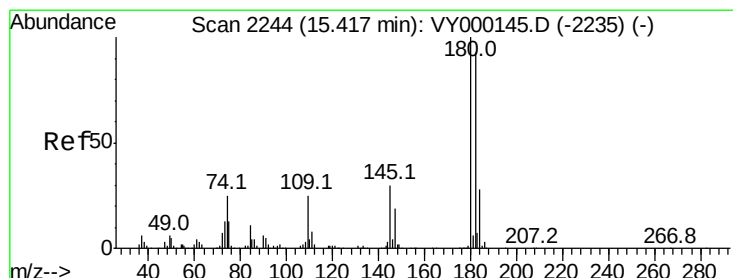
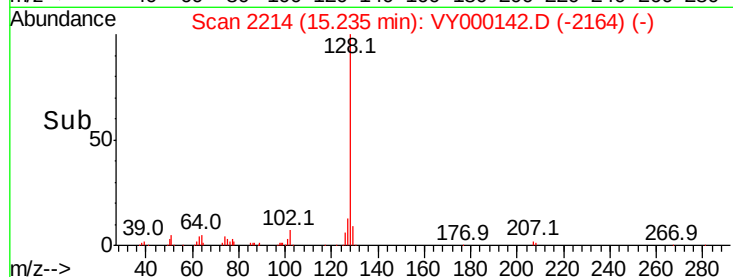
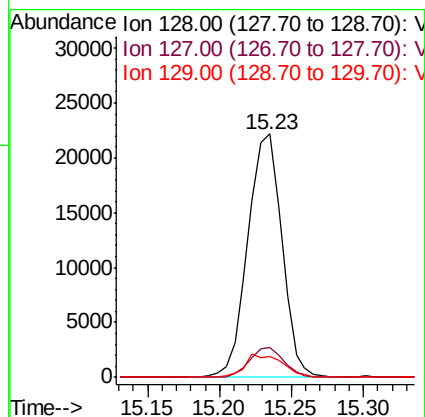
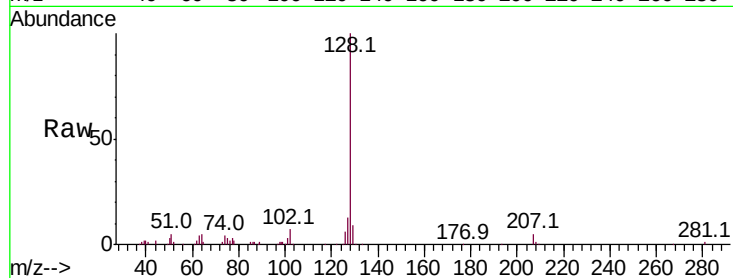
Tot Ion:128 Resp: 36311

Ion Ratio Lower Upper

128 100

127 12.1 9.5 14.3

129 10.3 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 4.936 ug/l

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY000142.D

Acq: 26 Sep 2019 10:27

Tgt Ion:180 Resp: 13358

Ion Ratio Lower Upper

180 100

182 99.1 46.6 139.7

145 33.7 15.4 46.4

