

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000148.D
 Acq On : 26 Sep 2019 12:57
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 14:39:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:30:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	203774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	326102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	283215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	140638	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	90787	50.87	ug/l	0.00
Spiked Amount						
			Recovery	=	101.74%	
35) Dibromofluoromethane	7.72	113	92749	54.31	ug/l	0.00
Spiked Amount						
			Recovery	=	108.62%	
50) Toluene-d8	10.18	98	387362	53.60	ug/l	0.00
Spiked Amount						
			Recovery	=	107.20%	
62) 4-Bromofluorobenzene	12.48	95	130130	49.40	ug/l	0.00
Spiked Amount						
			Recovery	=	98.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	70354	49.949	ug/l	89
3) Chloromethane	2.11	50	110400	53.304	ug/l	100
4) Vinyl Chloride	2.25	62	121572	47.872	ug/l	96
5) Bromomethane	2.64	94	84125	49.127	ug/l	99
6) Chloroethane	2.79	64	76019	48.220	ug/l	99
7) Trichlorofluoromethane	3.12	101	147369	48.144	ug/l	99
8) Diethyl Ether	3.52	74	57895	47.439	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	95647	47.869	ug/l	99
10) Methyl Iodide	4.09	142	148428	48.179	ug/l	98
11) Tert butyl alcohol	4.97	59	42084	236.043	ug/l #	85
12) 1,1-Dichloroethene	3.87	96	103853	49.563	ug/l	96
13) Acrolein	3.73	56	55751	251.796	ug/l	99
14) Allyl chloride	4.48	41	124383	47.437	ug/l	99
15) Acrylonitrile	5.16	53	132854	239.368	ug/l	100
16) Acetone	3.95	43	106108	234.399	ug/l	98
17) Carbon Disulfide	4.19	76	307483	47.307	ug/l	97
18) Methyl Acetate	4.47	43	57354	44.318	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	235659	47.506	ug/l	97
20) Methylene Chloride	4.71	84	114314	52.235	ug/l	96
21) trans-1,2-Dichloroethene	5.21	96	113693	48.699	ug/l	95
22) Diisopropyl ether	6.11	45	265906	48.255	ug/l	98
23) Vinyl Acetate	6.06	43	868862	251.592	ug/l	98
24) 1,1-Dichloroethane	6.02	63	161832	48.513	ug/l	99
25) 2-Butanone	6.99	43	171782	250.735	ug/l	92
26) 2,2-Dichloropropane	6.98	77	149370	49.245	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	124005	47.794	ug/l	98
28) Bromochloromethane	7.33	49	65038	51.175	ug/l	99
29) Tetrahydrofuran	7.35	42	101748	240.909	ug/l	99
30) Chloroform	7.51	83	167115	47.866	ug/l	98
31) Cyclohexane	7.78	56	160490	46.536	ug/l	95
32) 1,1,1-Trichloroethane	7.70	97	148908	48.641	ug/l	98
36) 1,1-Dichloropropene	7.91	75	132381	48.849	ug/l	99
37) Ethyl Acetate	7.08	43	69802	48.759	ug/l	99
38) Carbon Tetrachloride	7.89	117	136086	51.439	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	198501	51.643	ug/l	96
40) Benzene	8.16	78	429393	50.160	ug/l	97
41) Methacrylonitrile	7.35	41	94461	136.986	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	105644	50.721	ug/l	99
43) Isopropyl Acetate	8.28	43	136600	51.656	ug/l	98
44) Trichloroethene	8.94	130	135152	49.405	ug/l	92
45) 1,2-Dichloropropane	9.22	63	94945	50.277	ug/l	93
46) Dibromomethane	9.30	93	56181	48.748	ug/l	97
47) Bromodichloromethane	9.50	83	129931	50.017	ug/l	95
48) Methyl methacrylate	9.29	41	57808	48.818	ug/l	98
49) 1,4-Dioxane	9.30	88	17790	999.135	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	355692	259.143	ug/l	98
52) Toluene	10.24	92	276761	49.921	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	139198	51.012	ug/l	100
54) cis-1,3-Dichloropropene	9.92	75	164993	51.021	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	85588	49.945	ug/l	99
56) Ethyl methacrylate	10.51	69	113531	50.931	ug/l	99
57) 1,3-Dichloropropane	10.79	76	136637	49.618	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	267810	255.792	ug/l	100
59) 2-Hexanone	10.83	43	263171	269.773	ug/l	98
60) Dibromochloromethane	10.99	129	100134	51.691	ug/l	99
61) 1,2-Dibromoethane	11.09	107	81381	49.766	ug/l	98
64) Tetrachloroethene	10.72	164	142796	50.898	ug/l	98
65) Chlorobenzene	11.52	112	306482	52.001	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	102600	51.517	ug/l	97
67) Ethyl Benzene	11.59	91	514113	51.030	ug/l	100
68) m/p-Xylenes	11.70	106	422200	103.663	ug/l	100
69) o-Xylene	12.03	106	198681	51.149	ug/l	99
70) Styrene	12.04	104	339152	51.592	ug/l	99
71) Bromoform	12.20	173	64537	55.145	ug/l #	99
73) Isopropylbenzene	12.33	105	513042	50.561	ug/l	100
74) N-amyl acetate	12.14	43	127232	51.802	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	82003	51.919	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	130019	91.859	ug/l #	100
77) Bromobenzene	12.61	156	126065	50.291	ug/l	98
78) n-propylbenzene	12.67	91	607452	50.219	ug/l	100
79) 2-Chlorotoluene	12.75	91	327315	49.733	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	430404	50.991	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	37509	52.811	ug/l	99
82) 4-Chlorotoluene	12.85	91	348961	50.889	ug/l	97
83) tert-Butylbenzene	13.07	119	376838	51.843	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	426083	49.950	ug/l	99
85) sec-Butylbenzene	13.25	105	535323	51.296	ug/l	99
86) p-Isopropyltoluene	13.37	119	479267	51.570	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	237854	49.522	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	244533	51.146	ug/l	100
89) n-Butylbenzene	13.69	91	457451	51.795	ug/l	99
90) Hexachloroethane	13.95	117	89217	50.814	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	223941	51.031	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	16123	51.736	ug/l	99

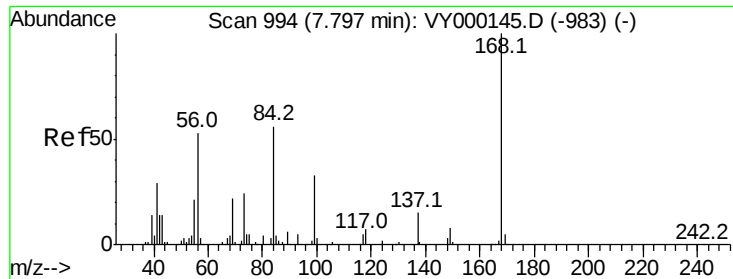
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	155171	50.964	ug/l	98
94) Hexachlorobutadiene	15.11	225	79912	53.793	ug/l	97
95) Naphthalene	15.23	128	346062	50.760	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	139770	51.185	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

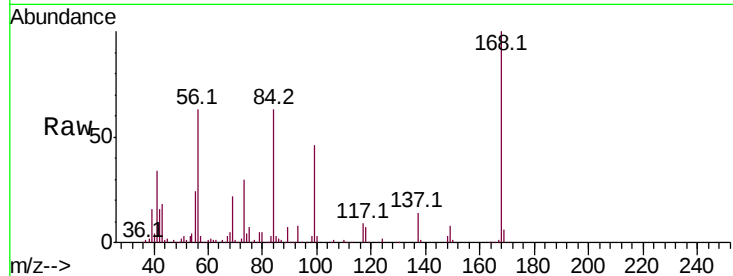
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 203774

Ion Ratio Lower Upper

168 100

99 46.1 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) (-)

7.79

100000

80000

60000

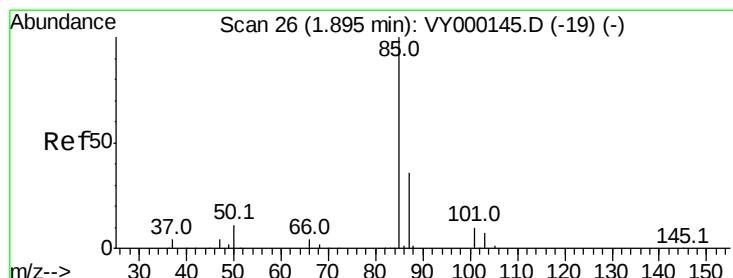
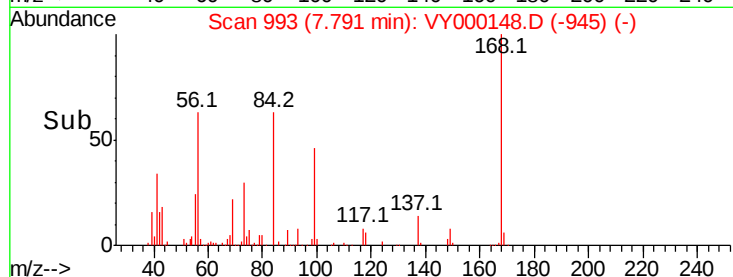
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 49.949 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.01 min

Lab File: VY000148.D

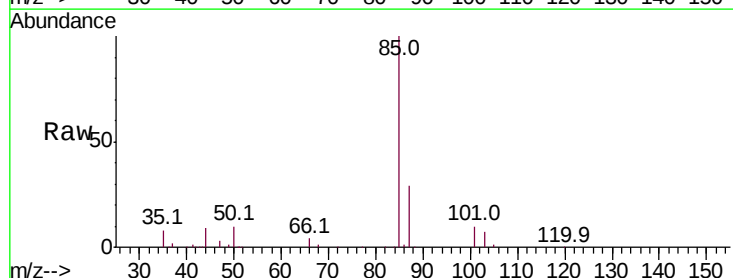
Acq: 26 Sep 2019 12:57

Tgt Ion: 85 Resp: 70354

Ion Ratio Lower Upper

85 100

87 29.2 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

50000

40000

30000

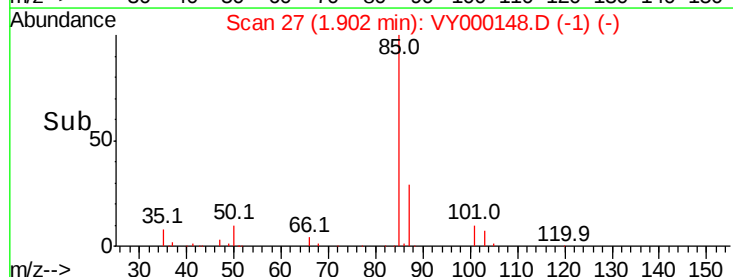
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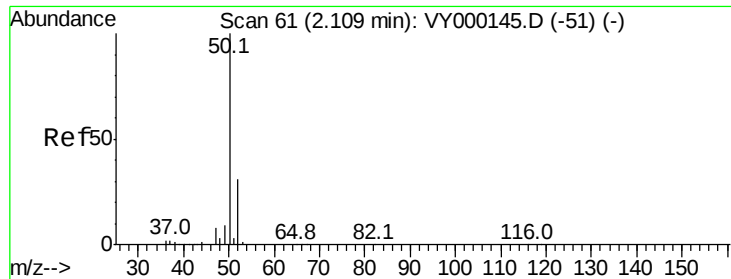
10000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 53.304 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

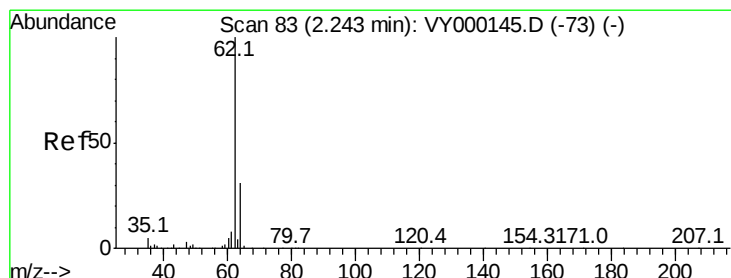
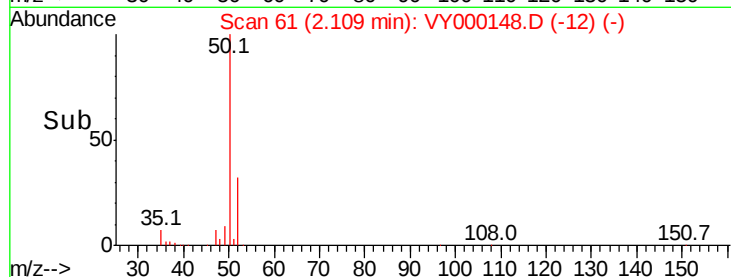
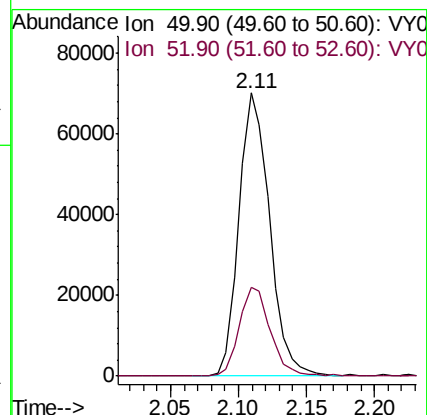
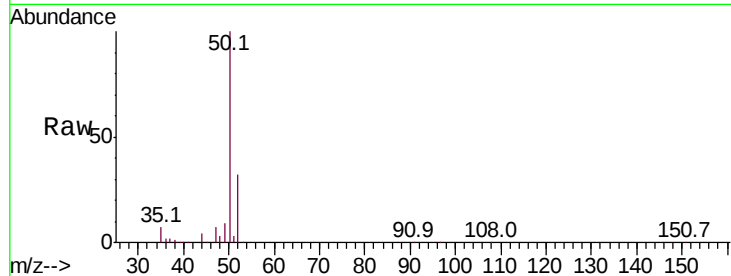
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 50 Resp: 110400

Ion Ratio Lower Upper

50 100

52 31.5 25.0 37.6



#4

Vinyl Chloride

Concen: 47.872 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.01 min

Lab File: VY000148.D

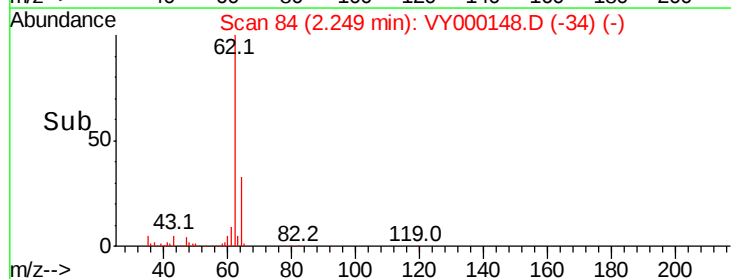
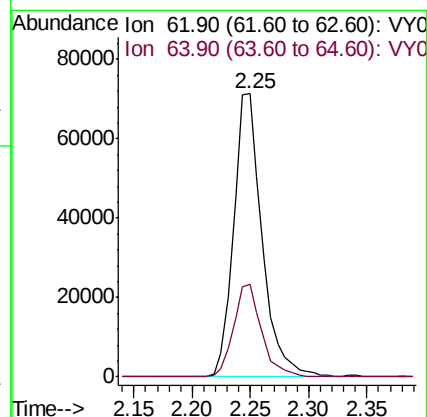
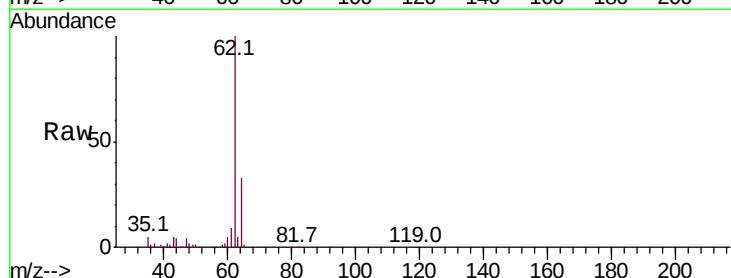
Acq: 26 Sep 2019 12:57

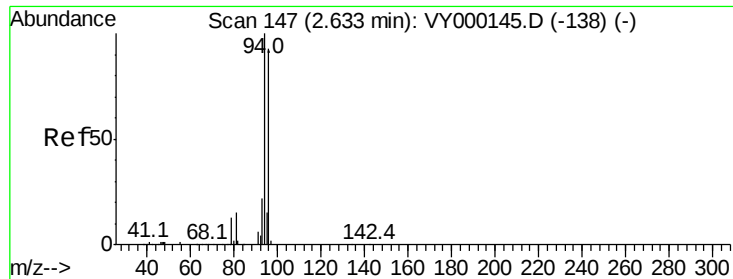
Tgt Ion: 62 Resp: 121572

Ion Ratio Lower Upper

62 100

64 32.7 24.5 36.7





#5

Bromomethane

Concen: 49.127 ug/l

RT: 2.64 min Scan# 148

Delta R.T. 0.01 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

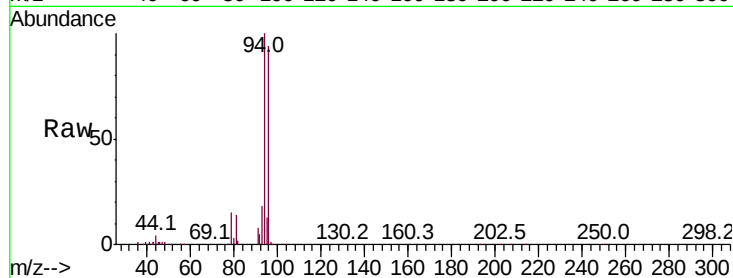
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 94 Resp: 84125

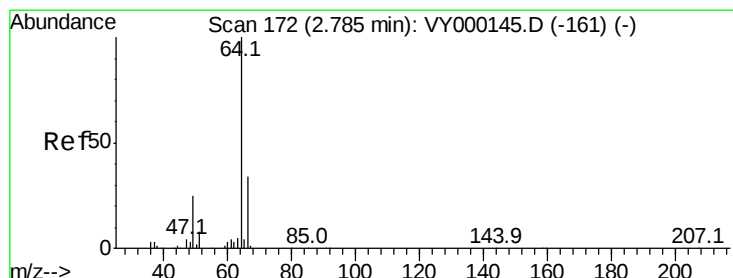
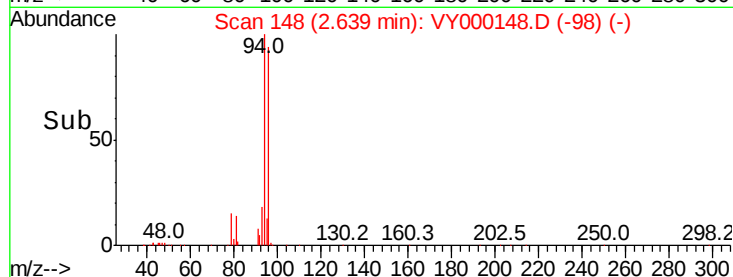
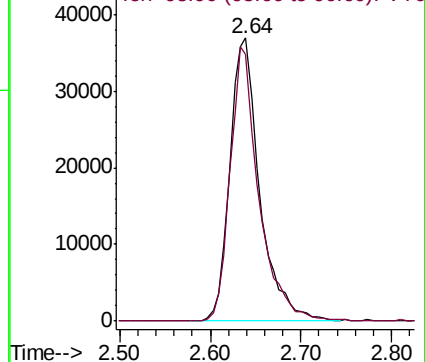
Ion Ratio Lower Upper

94 100

96 94.4 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: 48.220 ug/l

RT: 2.79 min Scan# 172

Delta R.T. 0.00 min

Lab File: VY000148.D

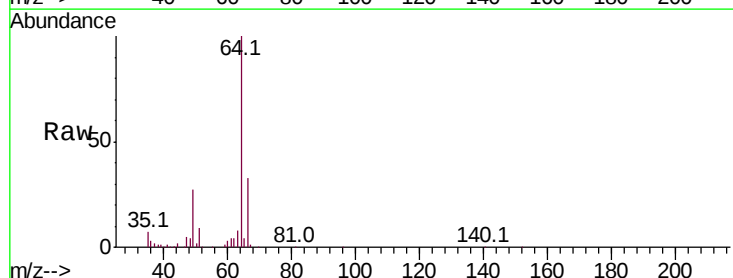
Acq: 26 Sep 2019 12:57

Tgt Ion: 64 Resp: 76019

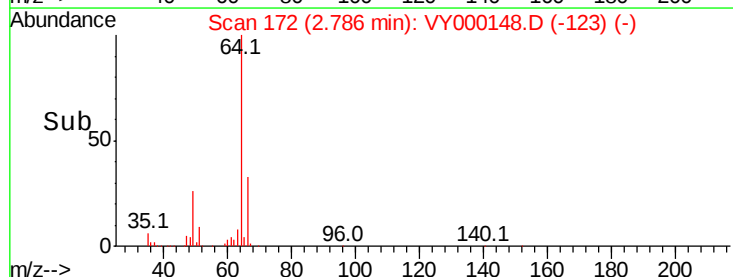
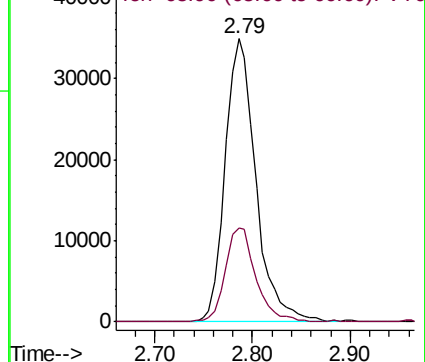
Ion Ratio Lower Upper

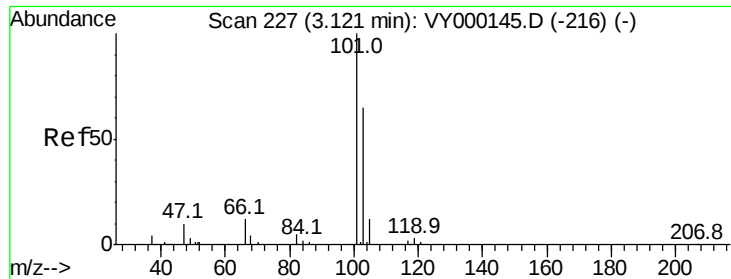
64 100

66 33.3 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VY0
Ion 65.90 (65.60 to 66.60): VY0



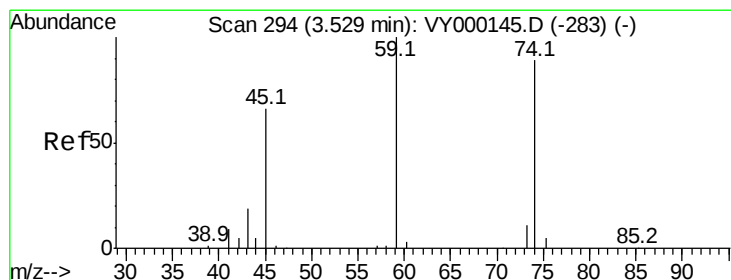
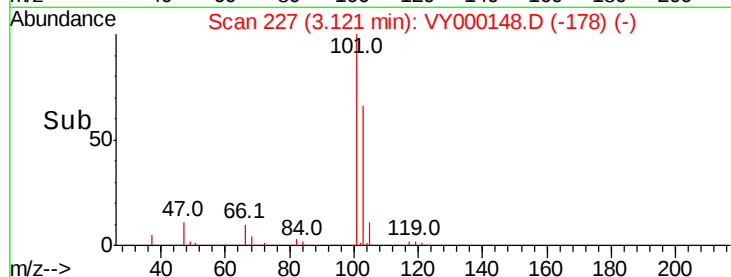
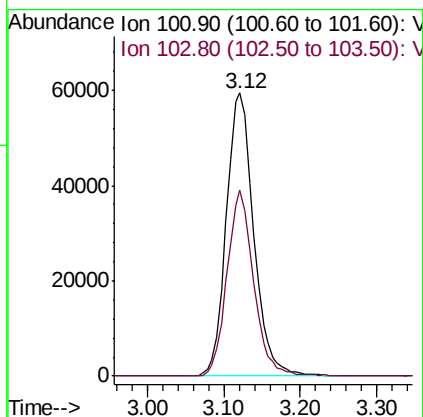
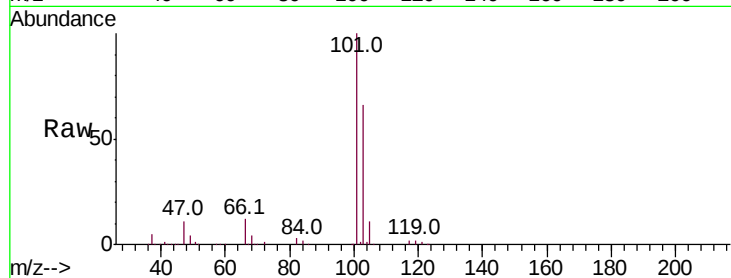


#7

Trichlorofluoromethane
 Concen: 48.144 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. 0.00 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :

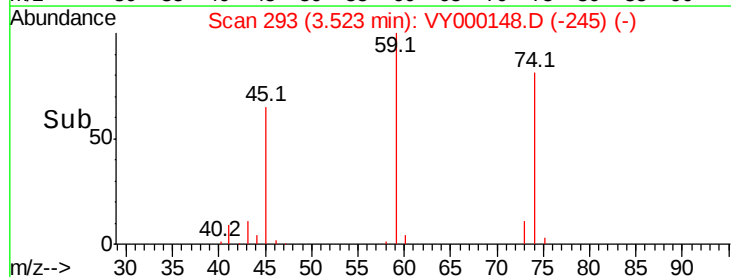
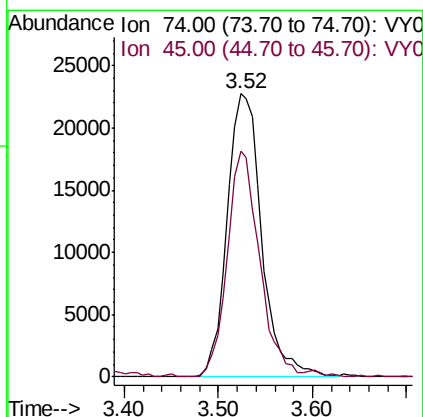
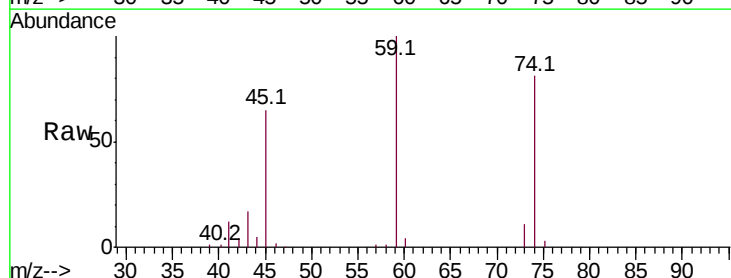
Tot Ion:101 Resp: 147369
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.9 77.9

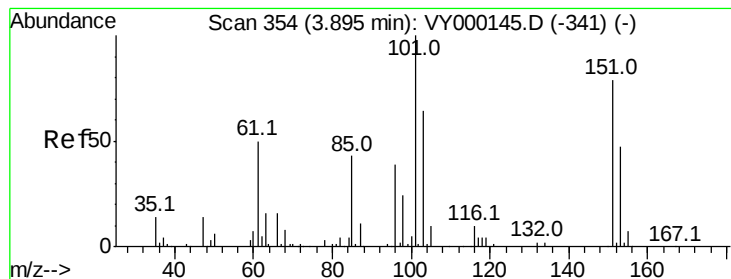


#8

Diethyl Ether
 Concen: 47.439 ug/l
 RT: 3.52 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

Tgt Ion: 74 Resp: 57895
 Ion Ratio Lower Upper
 74 100
 45 74.7 37.7 113.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.869 ug/l

RT: 3.90 min Scan# 354

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

ClientSampleId :

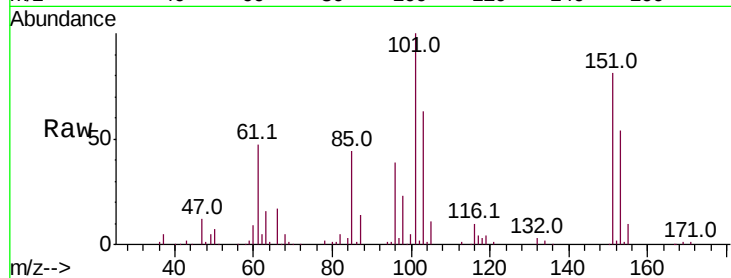
Tot Ion:101 Resp: 95647

Ion Ratio Lower Upper

101 100

85 42.7 34.8 52.2

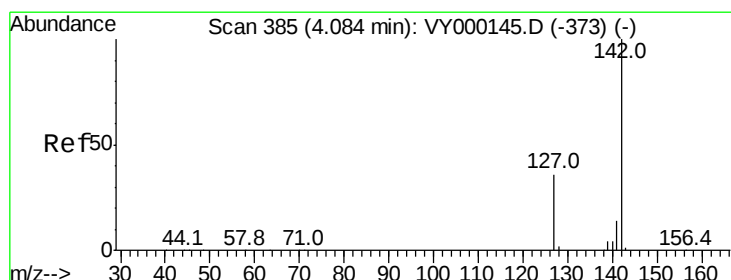
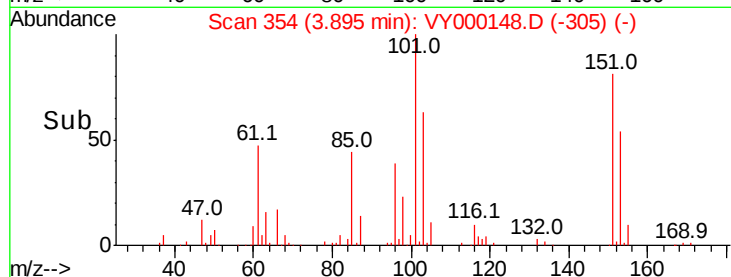
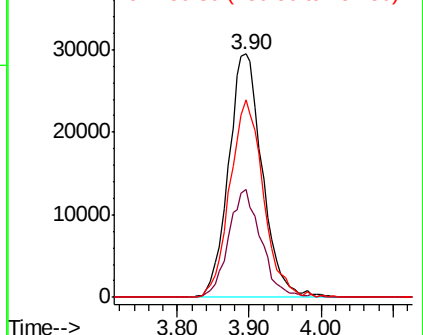
151 80.5 64.0 96.0



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: 48.179 ug/l

RT: 4.09 min Scan# 386

Delta R.T. 0.01 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

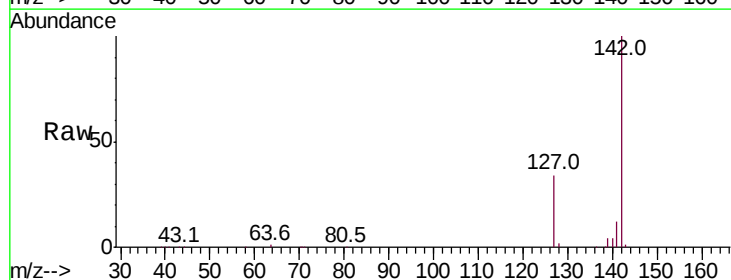
Tgt Ion:142 Resp: 148428

Ion Ratio Lower Upper

142 100

127 35.9 30.0 45.0

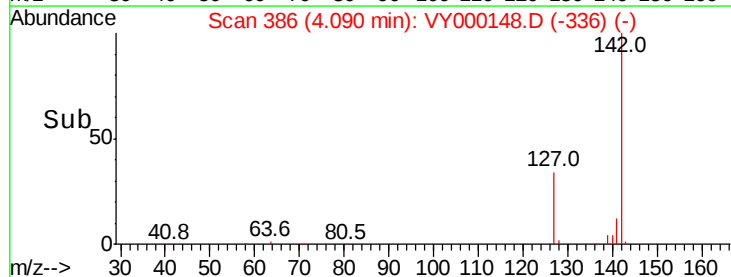
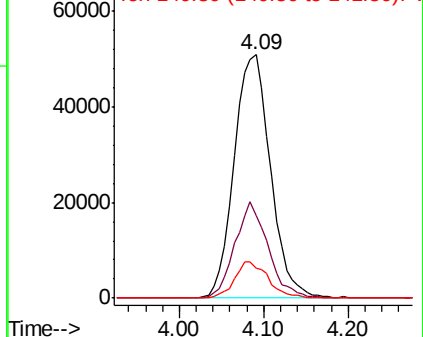
141 13.6 11.0 16.6

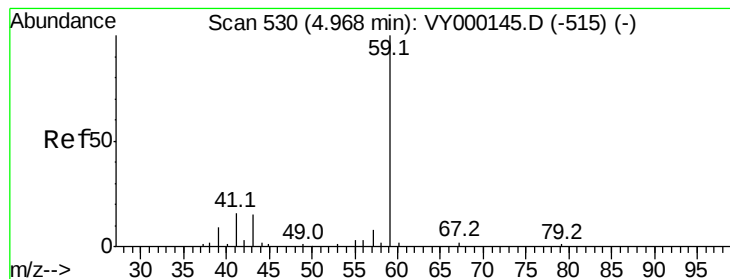


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



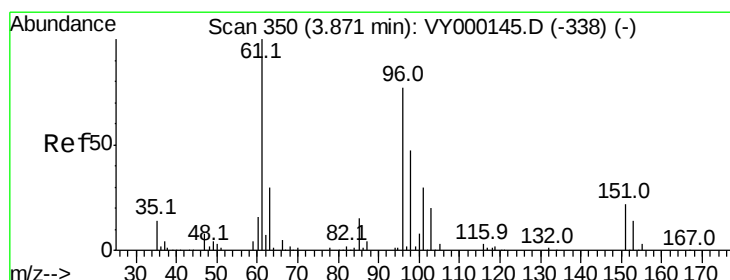
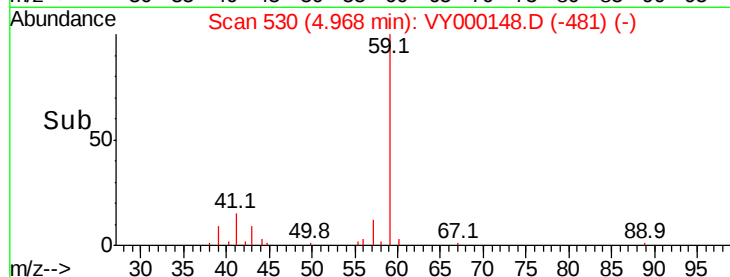
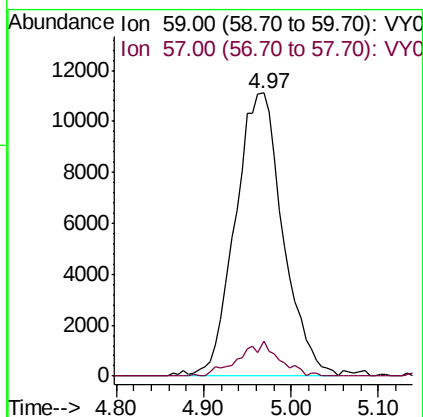
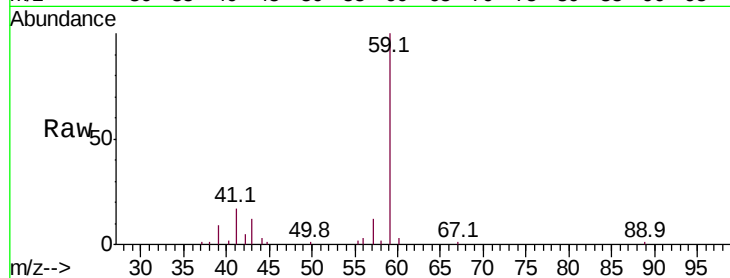


#11

Tert butyl alcohol
 Concen: 236.043 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :

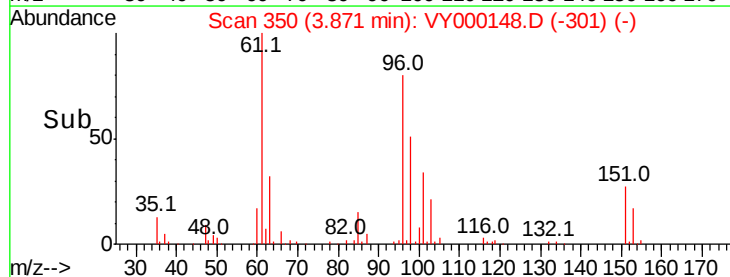
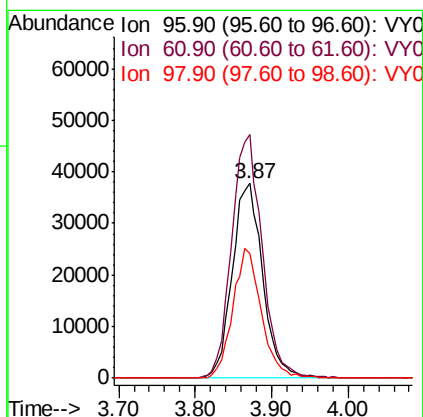
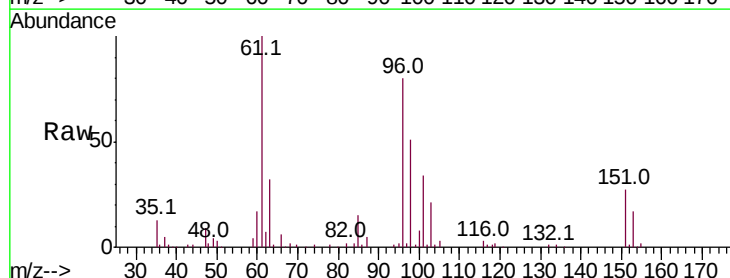
Tot Ion: 59 Resp: 42084
 Ion Ratio Lower Upper
 59 100
 57 5.4 8.9 13.3#

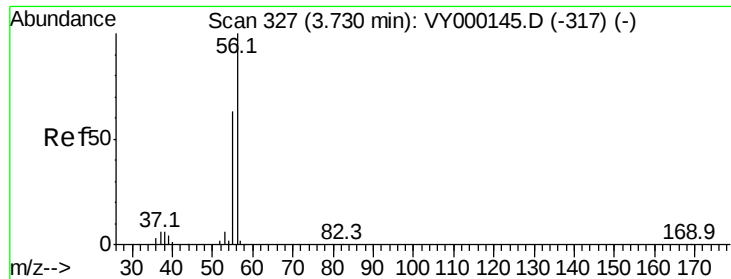


#12

1,1-Dichloroethene
 Concen: 49.563 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

Tgt Ion: 96 Resp: 103853
 Ion Ratio Lower Upper
 96 100
 61 125.0 103.6 155.4
 98 64.1 48.7 73.1

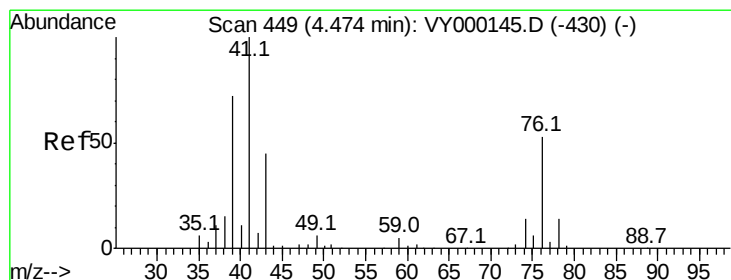
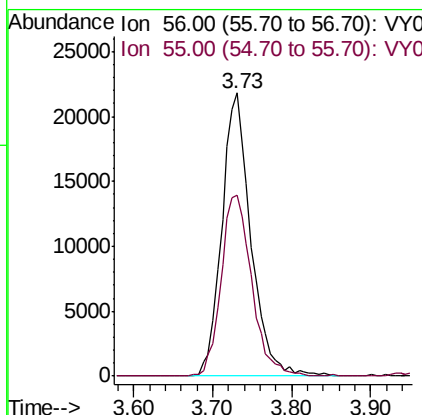
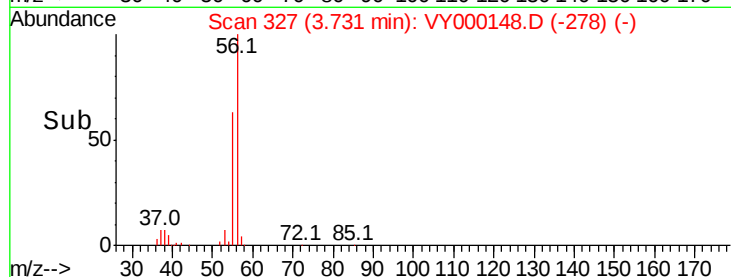
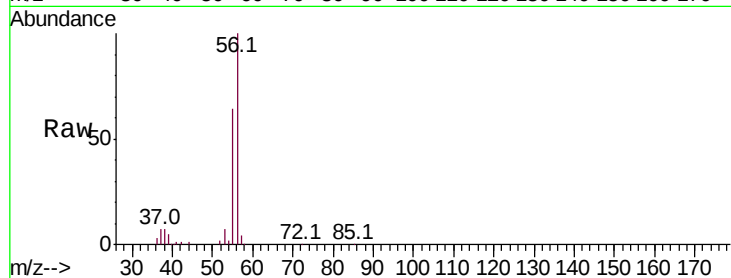




#13
Acrolein
Concen: 251.796 ug/l
RT: 3.73 min Scan# 327
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

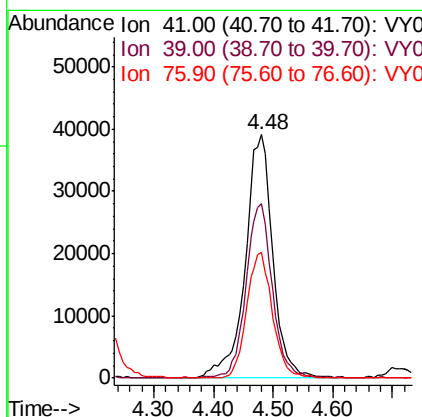
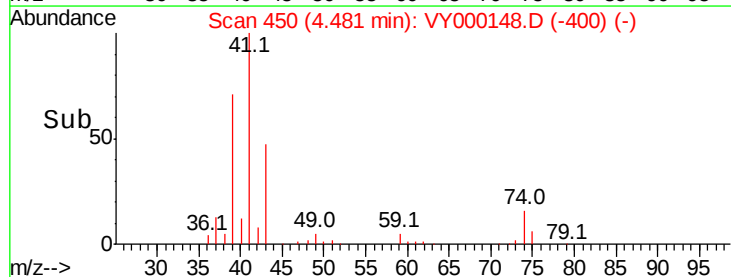
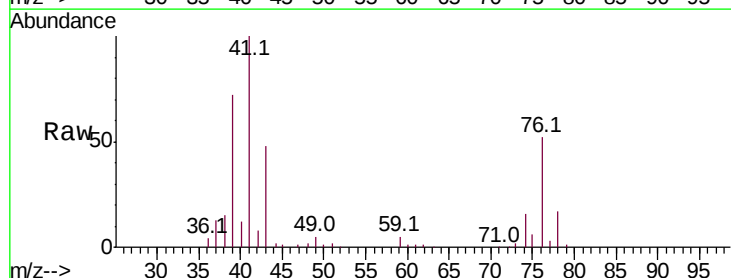
Instrument :
MSVOA_Y
ClientSampleId :

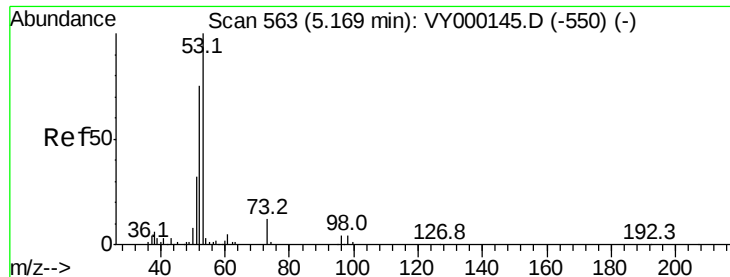
Tot Ion: 56 Resp: 55751
Ion Ratio Lower Upper
56 100
55 67.5 53.1 79.7



#14
Allyl chloride
Concen: 47.437 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.01 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Tgt Ion: 41 Resp: 124383
Ion Ratio Lower Upper
41 100
39 69.7 54.6 82.0
76 48.8 39.0 58.6





#15

Acrylonitrile

Concen: 239.368 ug/l

RT: 5.16 min Scan# 562

Delta R.T. -0.01 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :
MSVOA_Y
ClientSampleId :

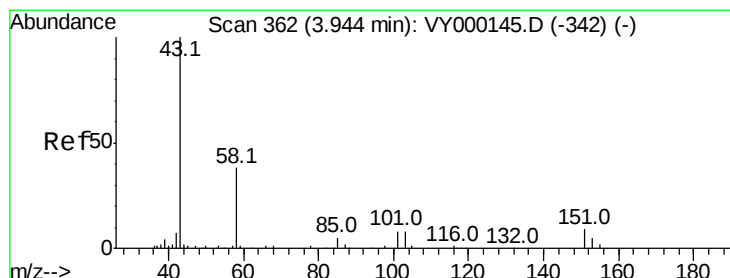
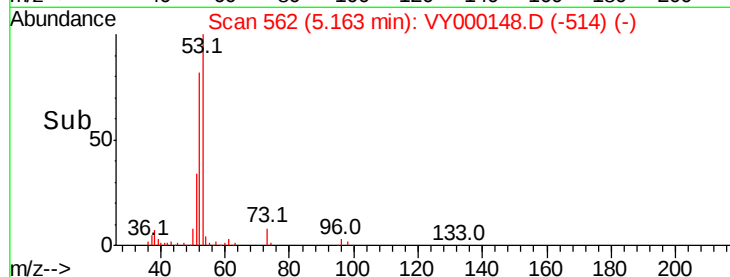
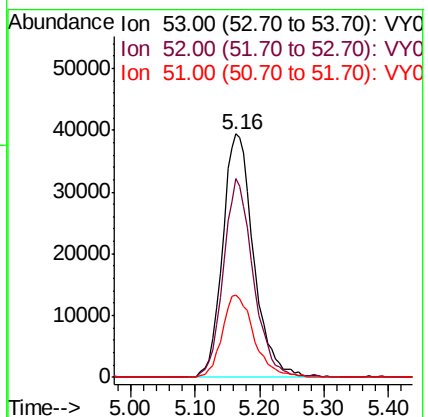
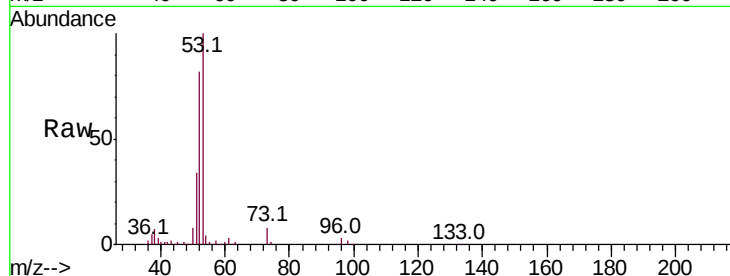
Tot Ion: 53 Resp: 132854

Ion Ratio Lower Upper

53 100

52 78.5 62.9 94.3

51 35.0 27.5 41.3



#16

Acetone

Concen: 234.399 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VY000148.D

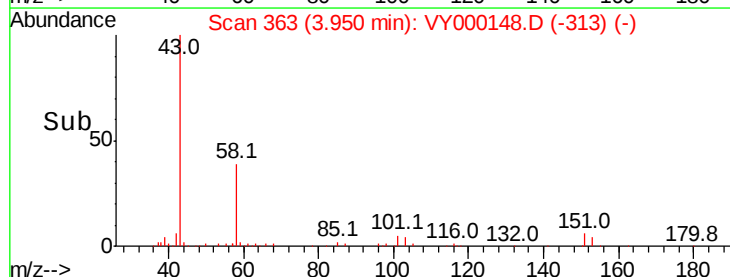
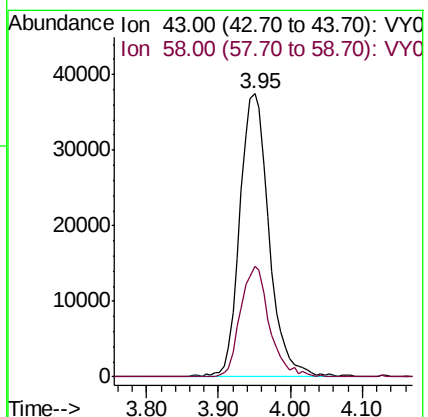
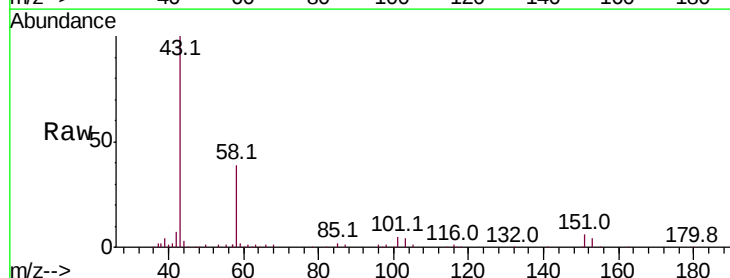
Acq: 26 Sep 2019 12:57

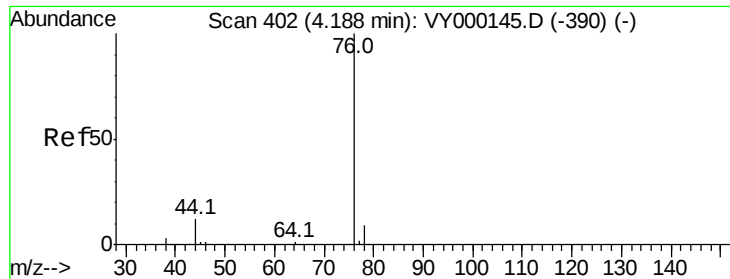
Tgt Ion: 43 Resp: 106108

Ion Ratio Lower Upper

43 100

58 38.9 30.4 45.6

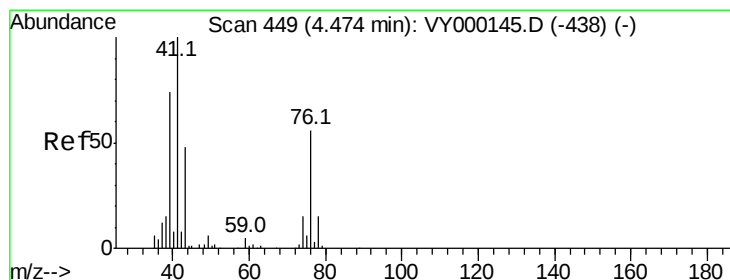
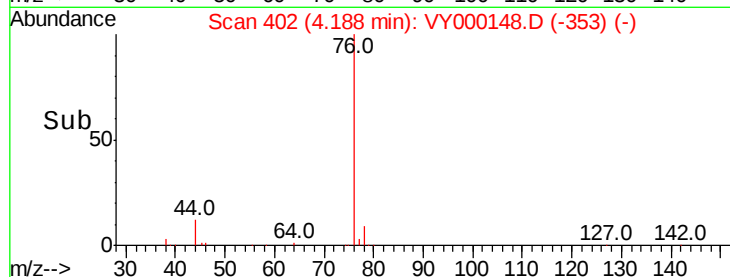
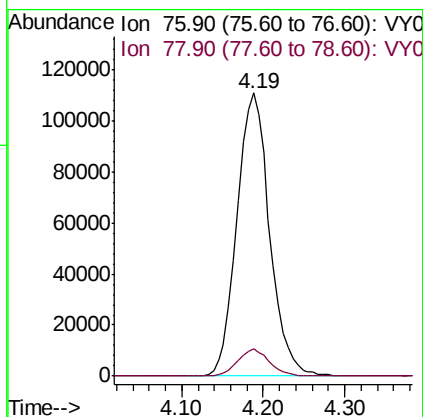
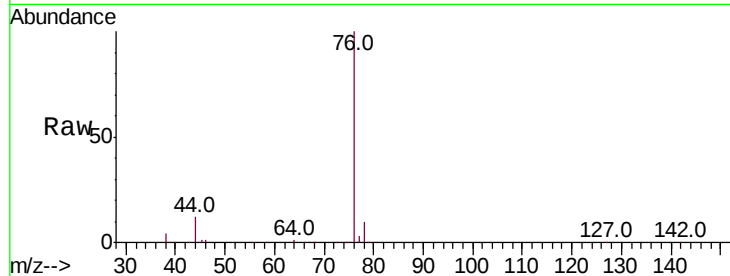




#17
Carbon Disulfide
Concen: 47.307 ug/l
RT: 4.19 min Scan# 402
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

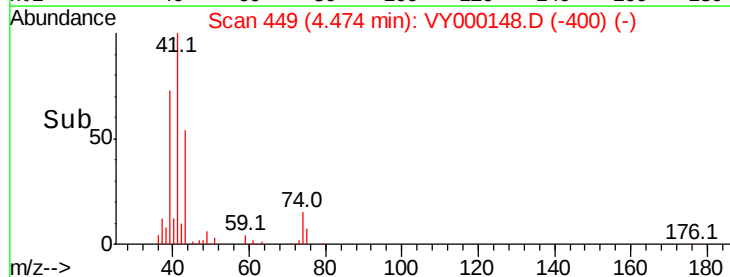
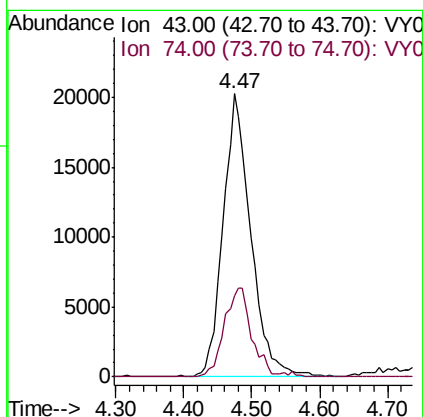
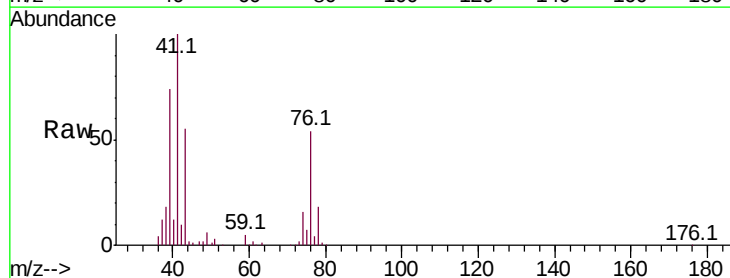
Instrument :
MSVOA_Y
ClientSampleId :

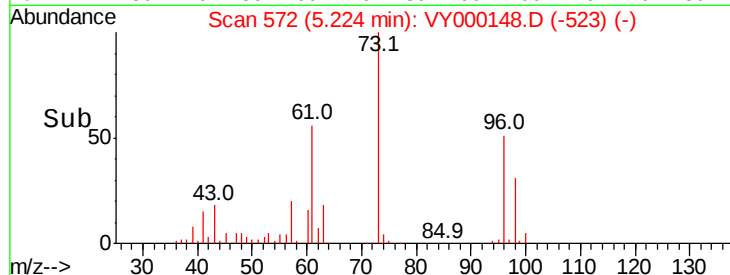
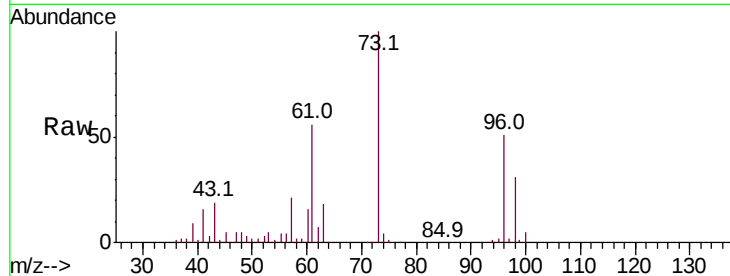
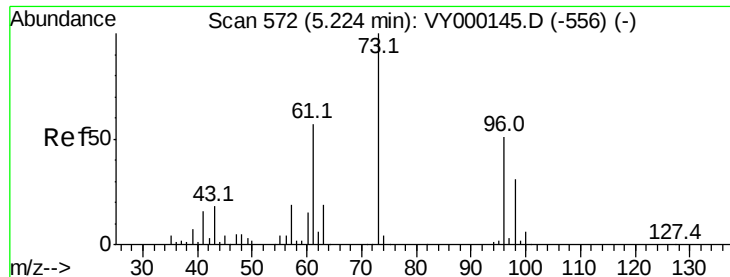
Tot Ion: 76 Resp: 307483
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.4



#18
Methyl Acetate
Concen: 44.318 ug/l
RT: 4.47 min Scan# 449
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Tgt Ion: 43 Resp: 57354
Ion Ratio Lower Upper
43 100
74 30.7 25.6 38.4



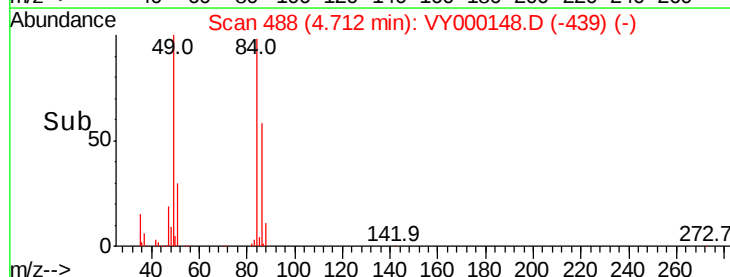
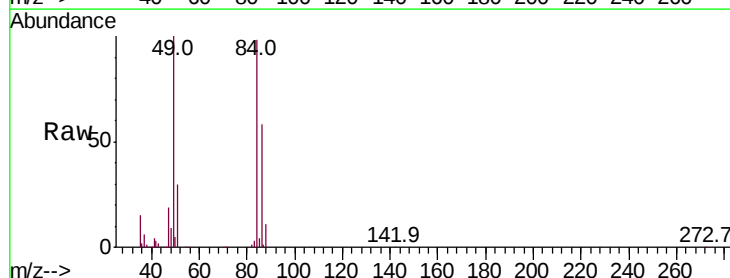
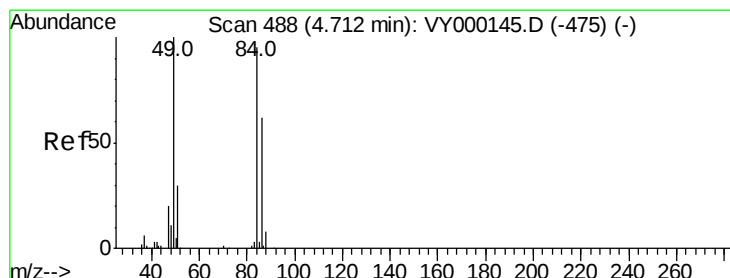
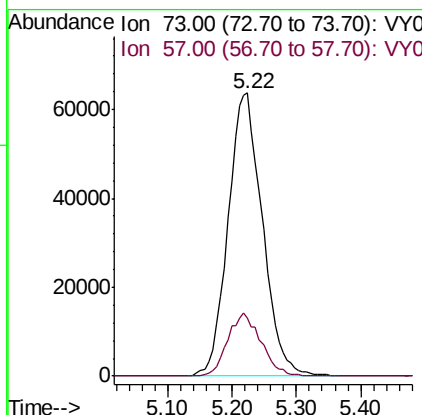


#19

Methyl tert-butyl Ether
Concen: 47.506 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Instrument :
MSVOA_Y
ClientSampleId :

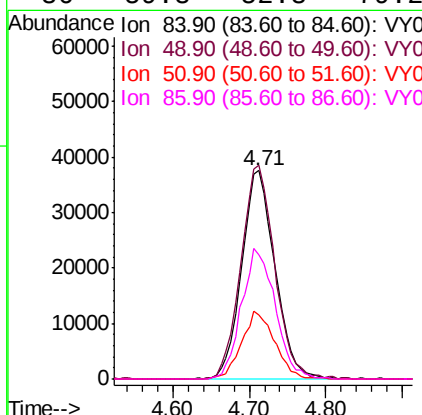
Tot Ion: 73 Resp: 235659
Ion Ratio Lower Upper
73 100
57 20.7 15.5 23.3

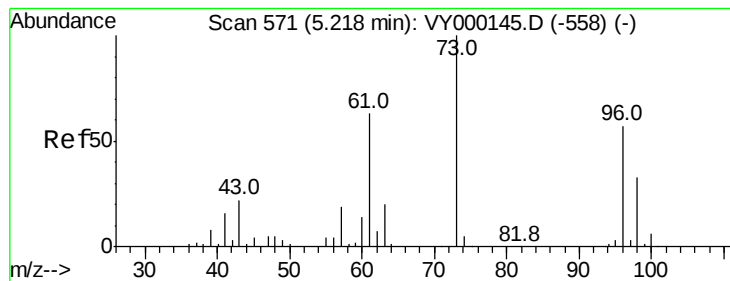


#20

Methylene Chloride
Concen: 52.235 ug/l
RT: 4.71 min Scan# 488
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Tgt Ion: 84 Resp: 114314
Ion Ratio Lower Upper
84 100
49 102.5 84.6 126.8
51 30.8 25.4 38.2
86 59.8 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 48.699 ug/l

RT: 5.21 min Scan# 570

Delta R.T. -0.01 min

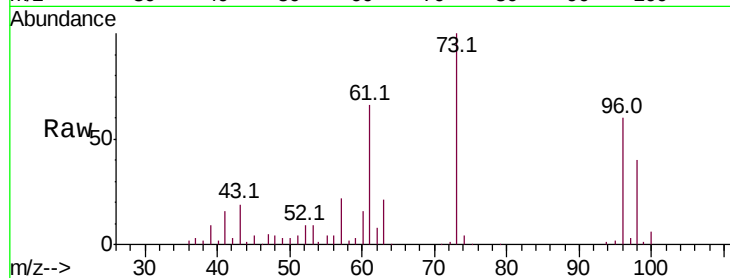
Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 96 Resp: 113693

Ion	Ratio	Lower	Upper
96	100		
61	111.0	88.0	132.0
98	67.3	45.6	68.4

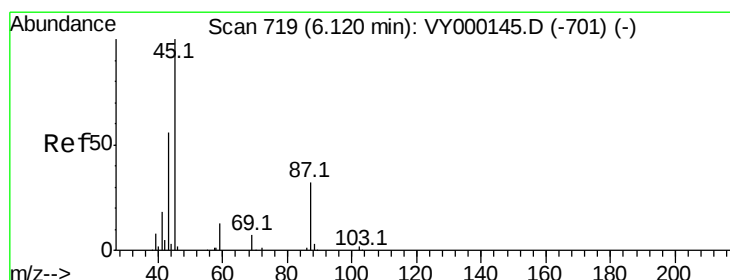
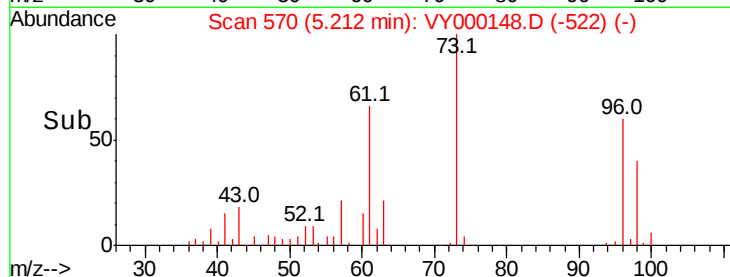
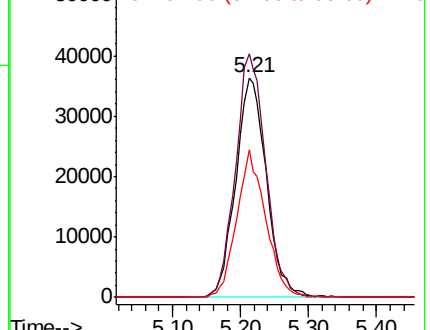


Abundance

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: 48.255 ug/l

RT: 6.11 min Scan# 718

Delta R.T. -0.01 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Tgt Ion: 45 Resp: 265906

Ion	Ratio	Lower	Upper
45	100		
43	61.3	48.4	72.6
87	34.3	26.6	39.8
59	14.4	10.5	15.7

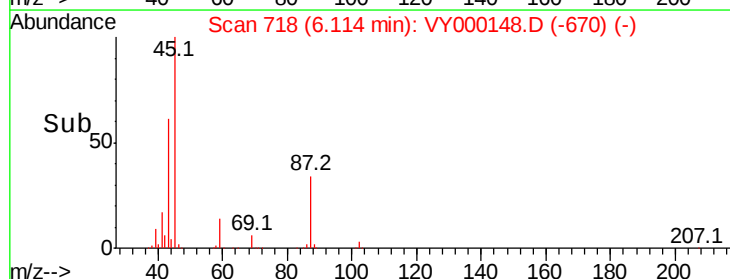
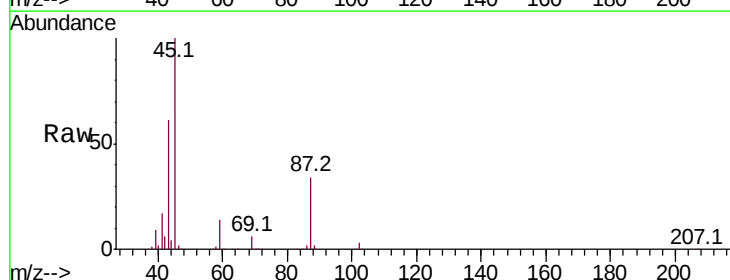
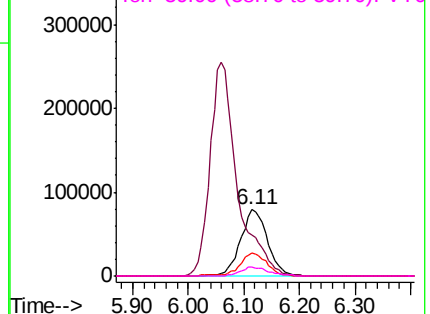
Abundance

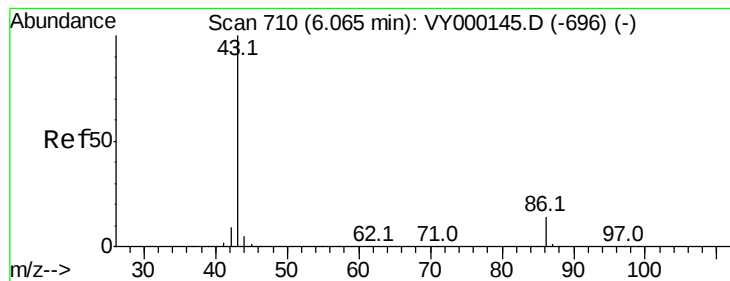
Ion 45.00 (44.70 to 45.70): VY0

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: 251.592 ug/l

RT: 6.06 min Scan# 709

Delta R.T. -0.01 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

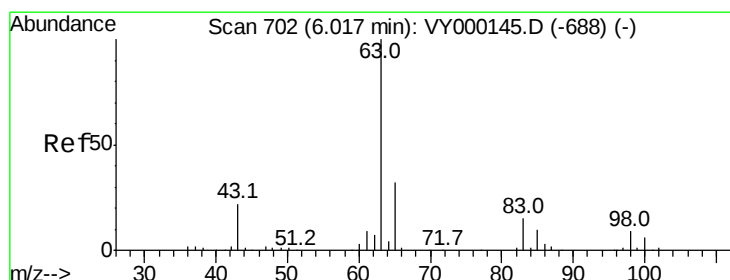
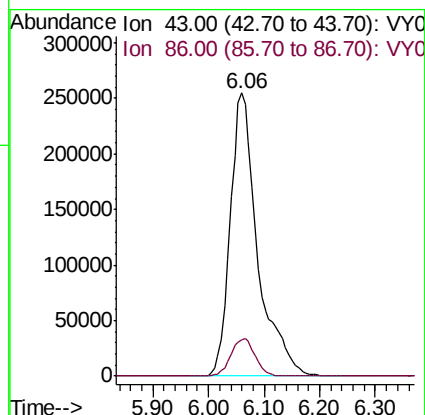
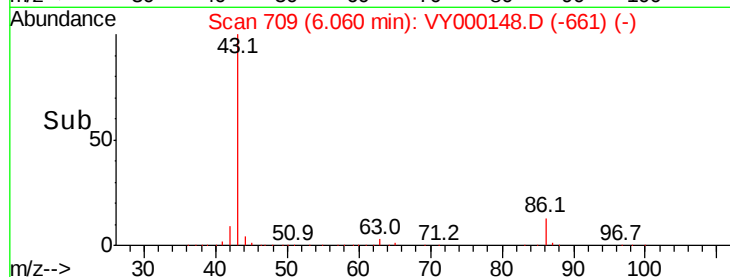
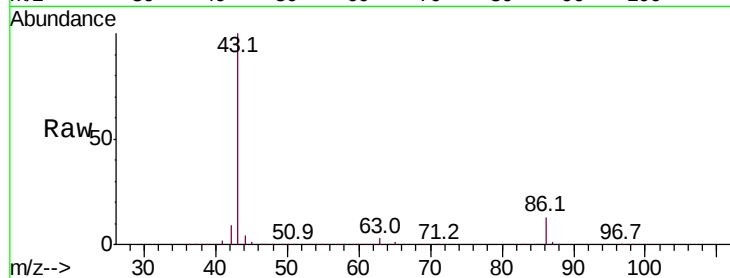
ClientSampled :

Tot Ion: 43 Resp: 868862

Ion Ratio Lower Upper

43 100

86 13.1 11.1 16.7



#24

1,1-Dichloroethane

Concen: 48.513 ug/l

RT: 6.02 min Scan# 702

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

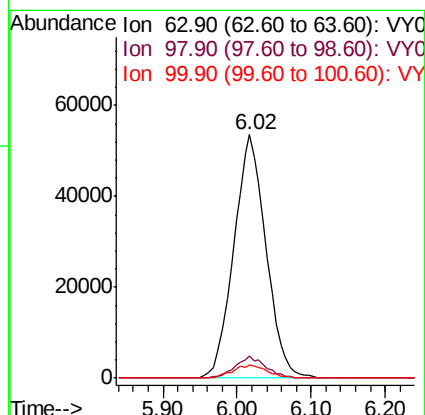
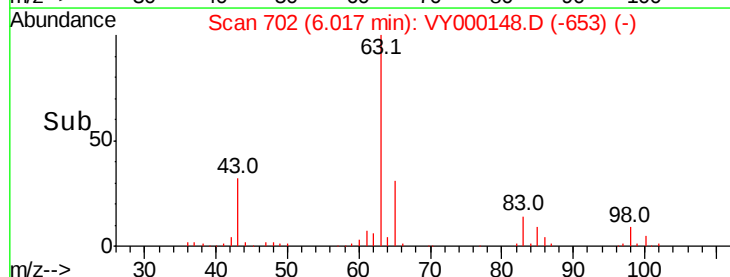
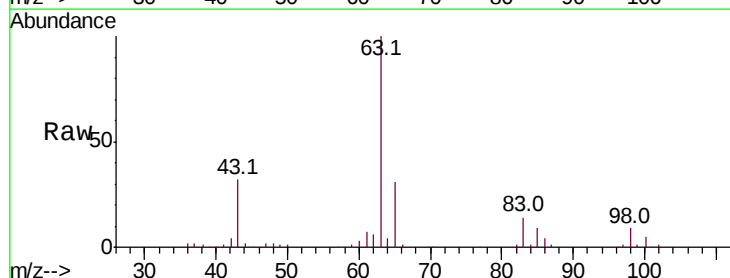
Tgt Ion: 63 Resp: 161832

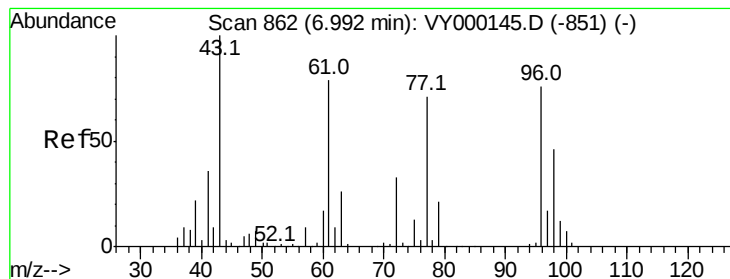
Ion Ratio Lower Upper

63 100

98 9.1 4.6 13.8

100 5.2 2.8 8.4





#25

2-Butanone

Concen: 250.735 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

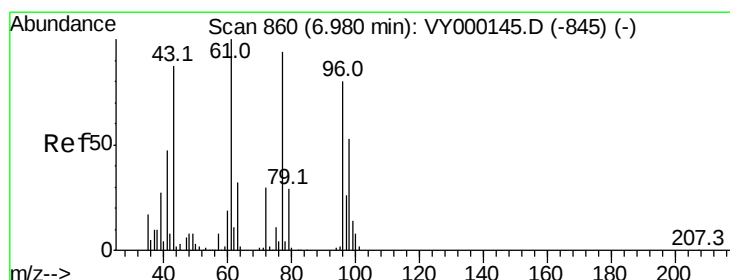
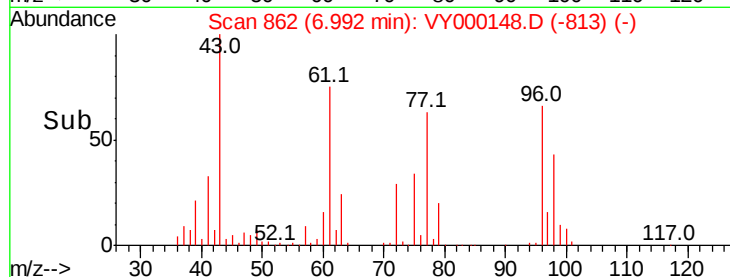
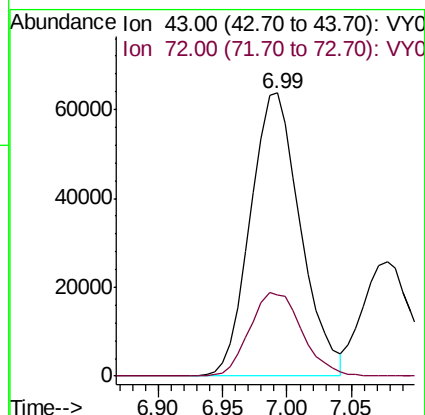
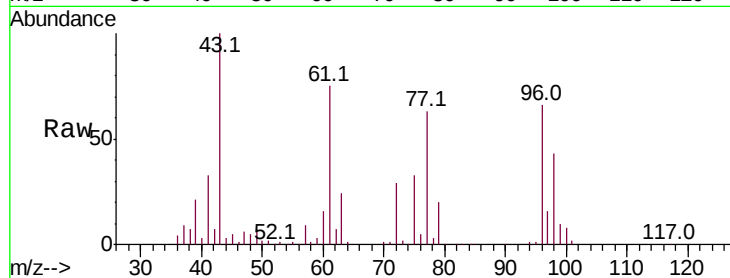
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 171782

Ion Ratio Lower Upper

43 100

72 28.8 26.8 40.2



#26

2,2-Dichloropropane

Concen: 49.245 ug/l

RT: 6.98 min Scan# 860

Delta R.T. 0.00 min

Lab File: VY000148.D

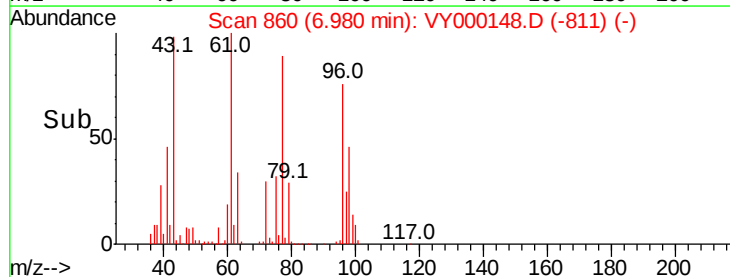
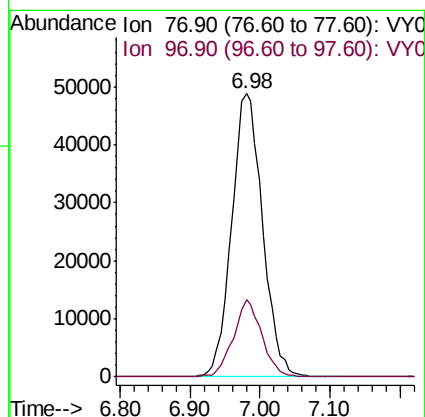
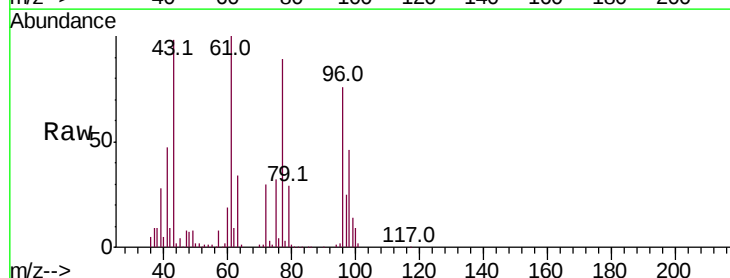
Acq: 26 Sep 2019 12:57

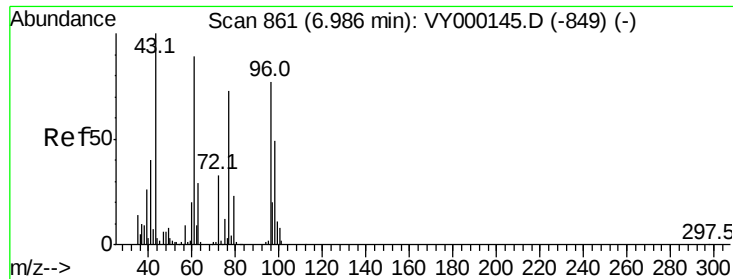
Tgt Ion: 77 Resp: 149370

Ion Ratio Lower Upper

77 100

97 25.0 13.0 38.9



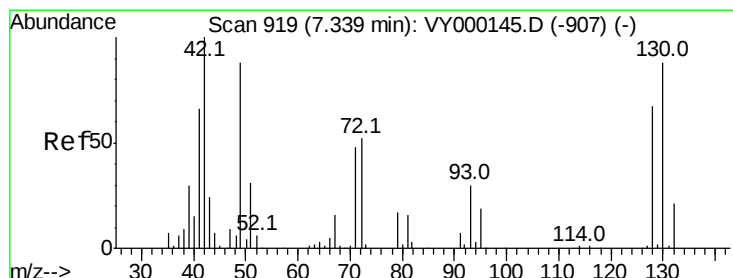
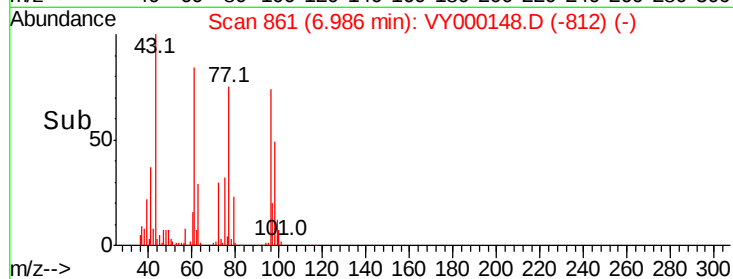
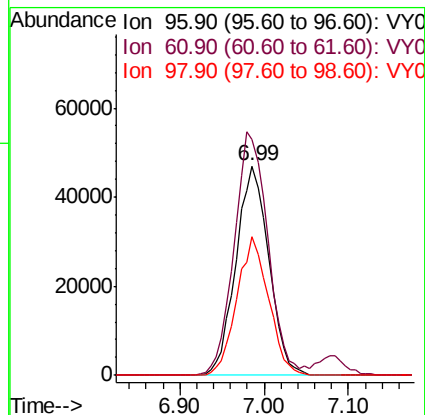
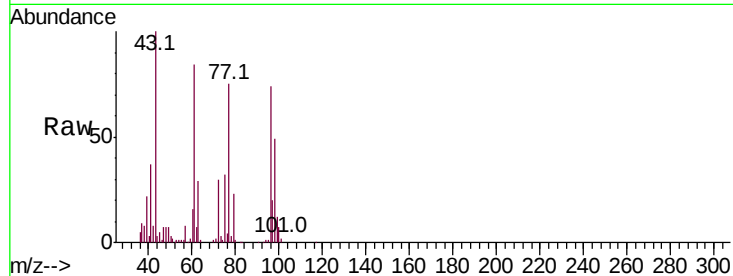


#27

cis-1,2-Dichloroethene
Concen: 47.794 ug/l
RT: 6.99 min Scan# 861
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Instrument :
MSVOA_Y
ClientSampleId :

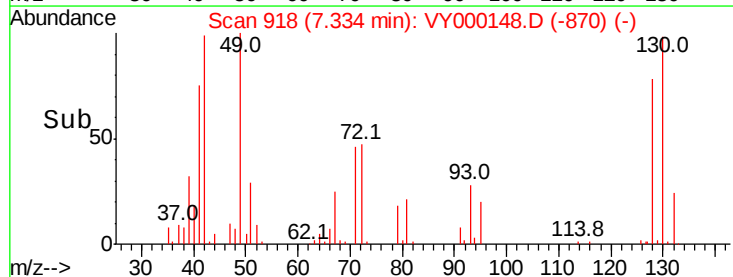
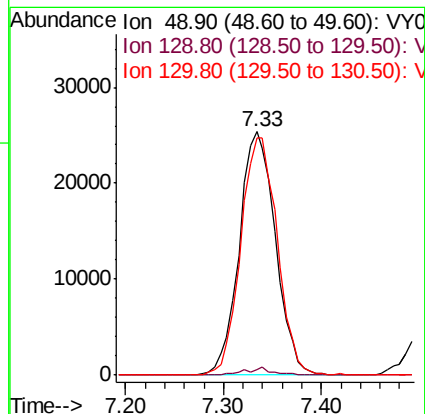
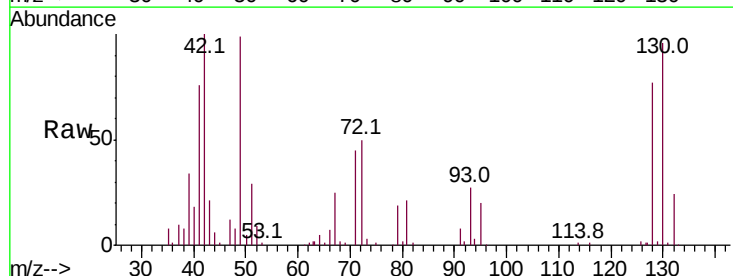
Tot Ion	96	Resp	124005
Ion	Ratio	Lower	Upper
96	100		
61	119.0	0.0	232.8
98	64.1	0.0	128.8

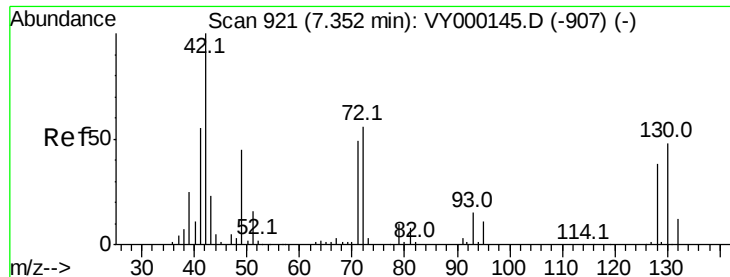


#28

Bromochloromethane
Concen: 51.175 ug/l
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Tgt Ion	49	Resp	65038
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	98.5	79.5	119.3





#29

Tetrahydrofuran

Concen: 240.909 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :
MSVOA_Y
ClientSampled :

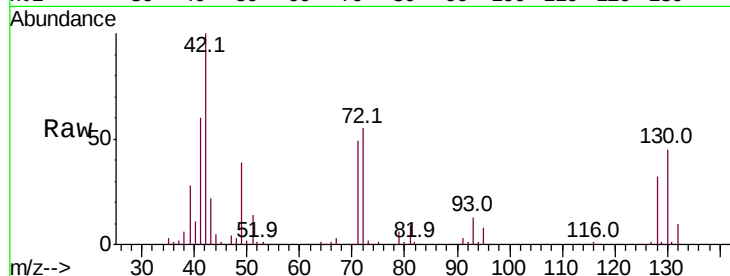
Tot Ion: 42 Resp: 101748

Ion Ratio Lower Upper

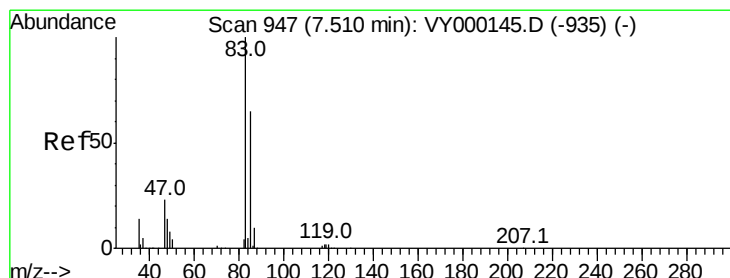
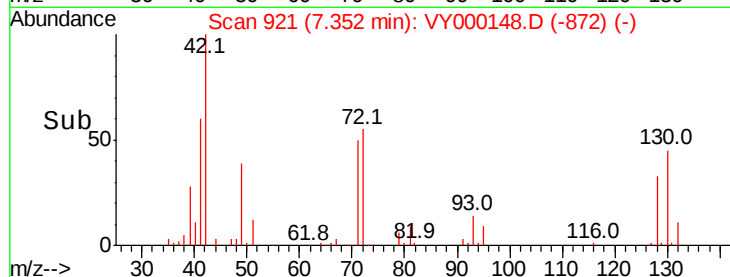
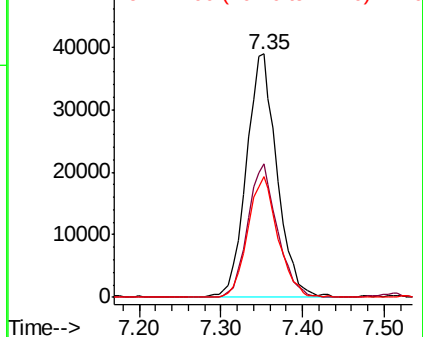
42 100

72 52.8 43.1 64.7

71 49.0 39.4 59.2



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



#30

Chloroform

Concen: 47.866 ug/l

RT: 7.51 min Scan# 947

Delta R.T. 0.00 min

Lab File: VY000148.D

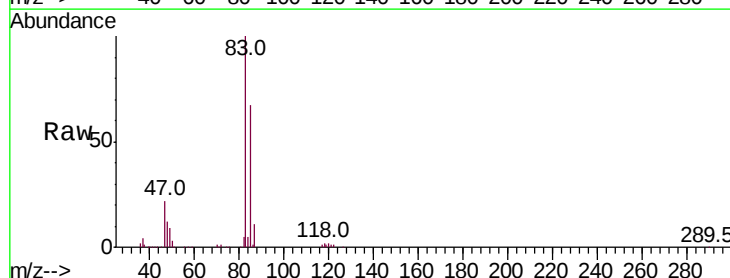
Acq: 26 Sep 2019 12:57

Tgt Ion: 83 Resp: 167115

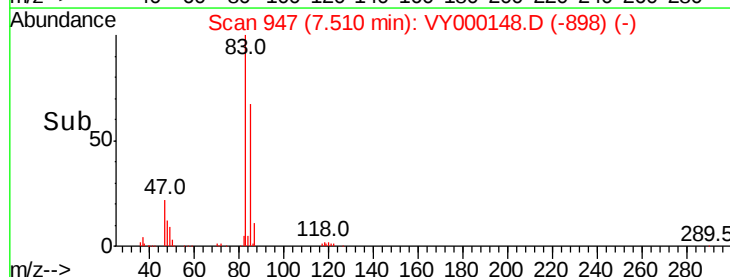
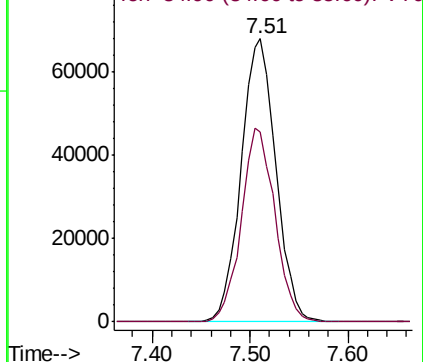
Ion Ratio Lower Upper

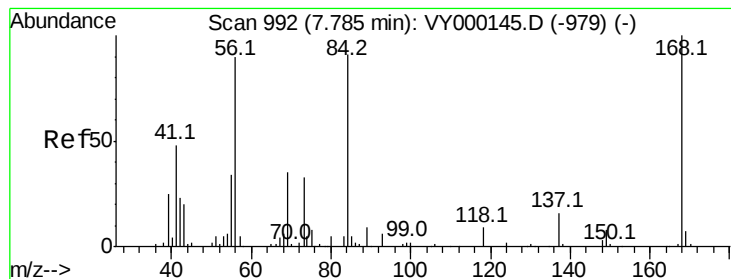
83 100

85 67.3 52.4 78.6



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





#31

Cyclohexane

Concen: 46.536 ug/l

RT: 7.78 min Scan# 992

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :
MSVOA_Y
ClientSampleId :

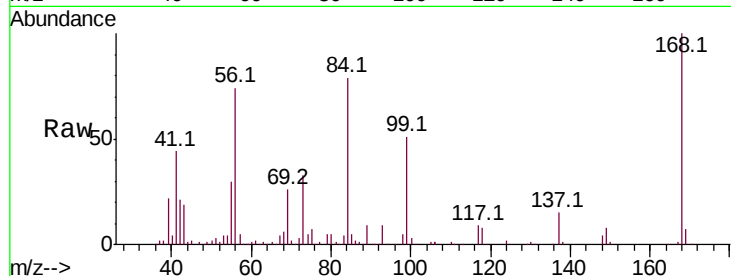
Tot Ion: 56 Resp: 160490

Ion Ratio Lower Upper

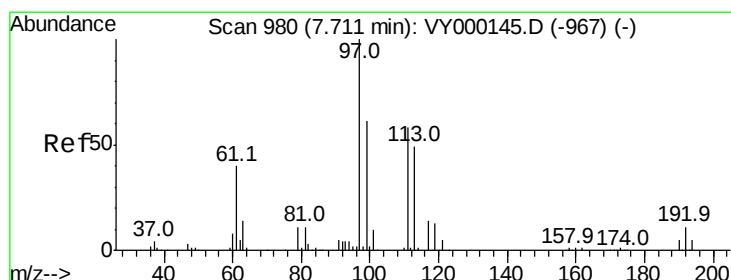
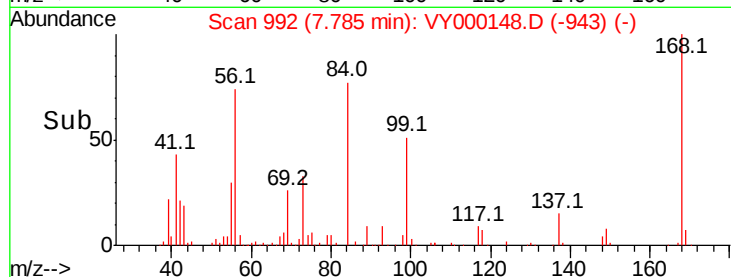
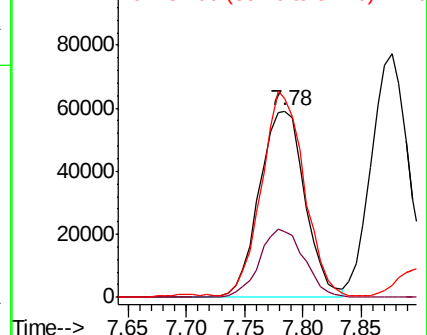
56 100

69 35.6 31.1 46.7

84 105.6 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: 48.641 ug/l

RT: 7.70 min Scan# 978

Delta R.T. -0.01 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

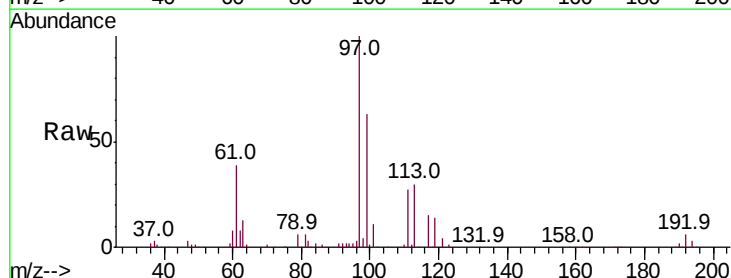
Tgt Ion: 97 Resp: 148908

Ion Ratio Lower Upper

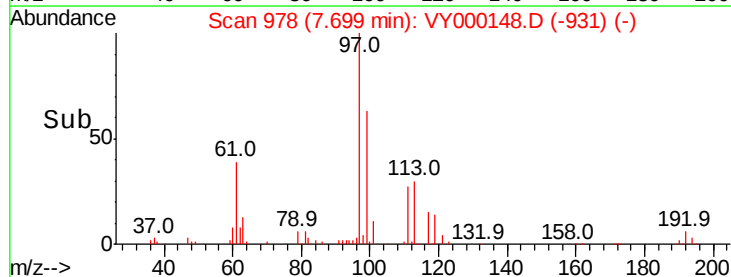
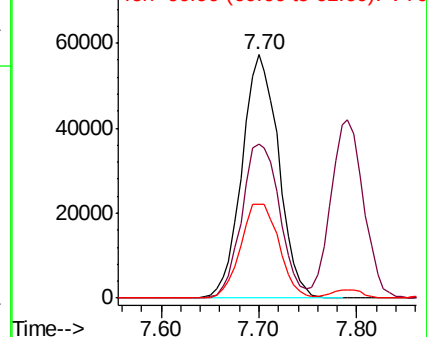
97 100

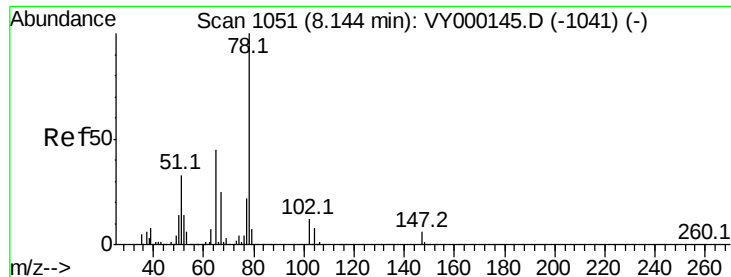
99 65.7 50.5 75.7

61 40.7 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: 50.874 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

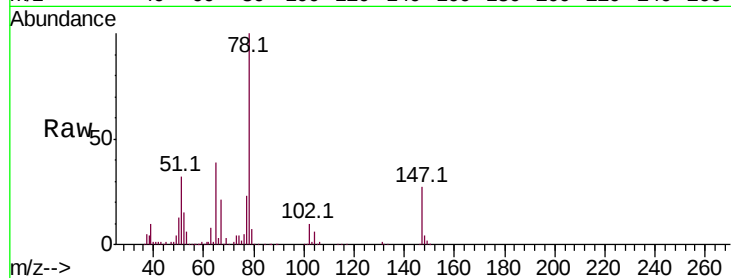
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 90787

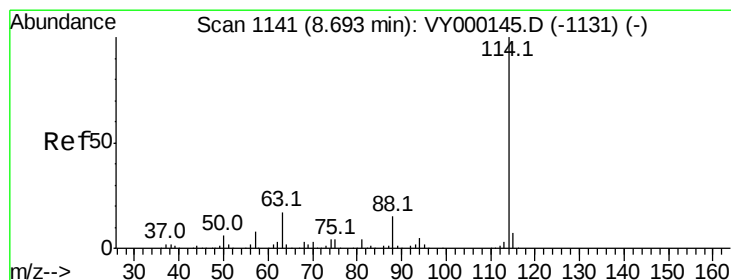
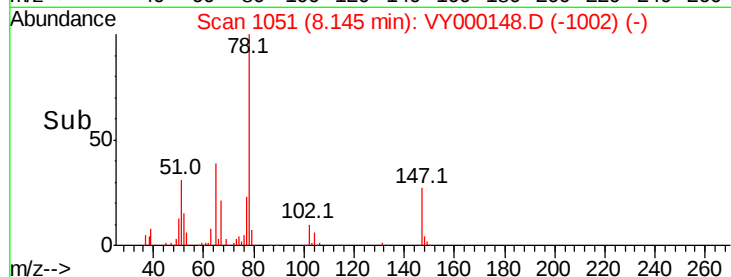
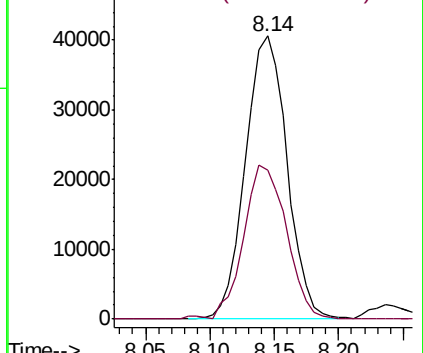
Ion Ratio Lower Upper

65 100

67 56.3 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

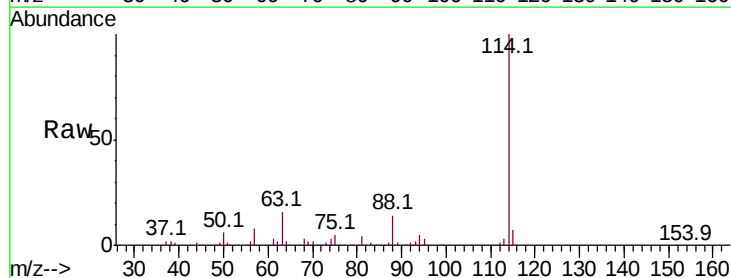
Tgt Ion: 114 Resp: 326102

Ion Ratio Lower Upper

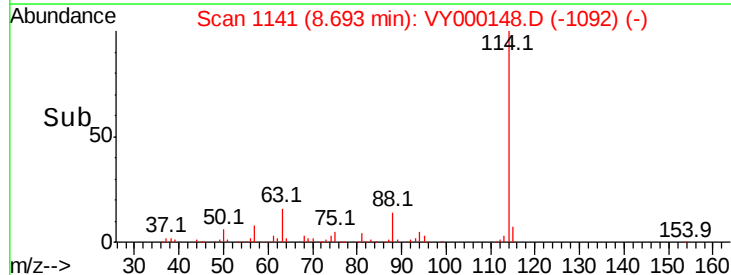
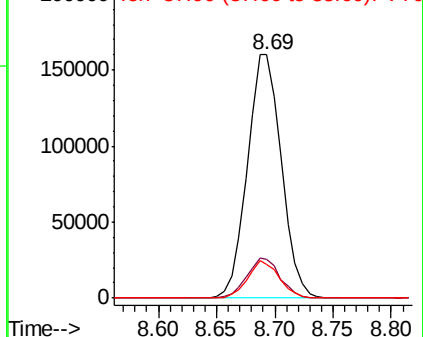
114 100

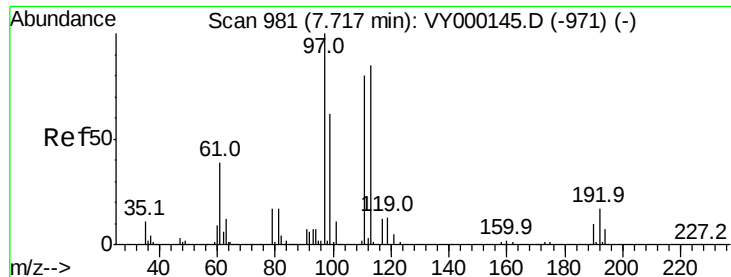
63 16.2 0.0 34.6

88 14.0 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

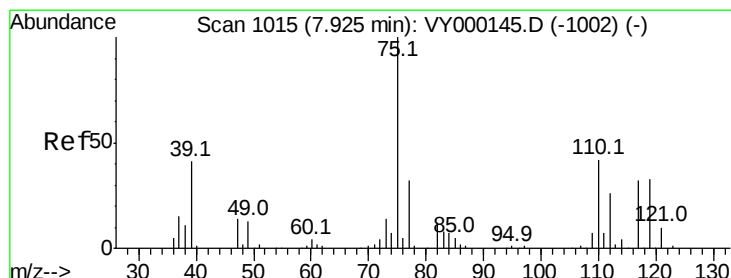
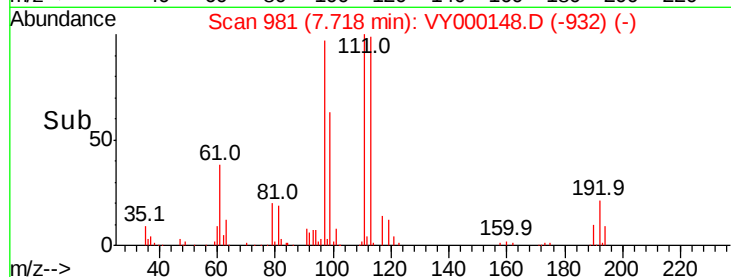
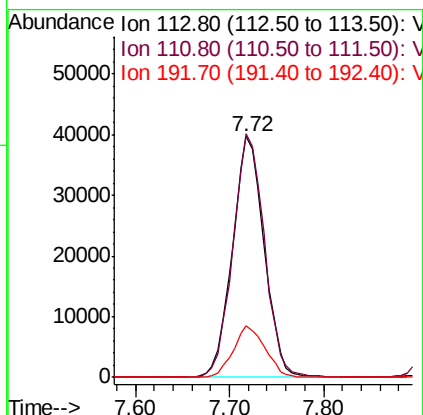
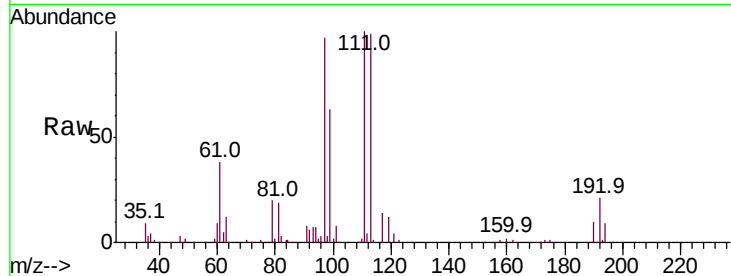




#35
 Dibromofluoromethane
 Concen: 54.310 ug/l
 RT: 7.72 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

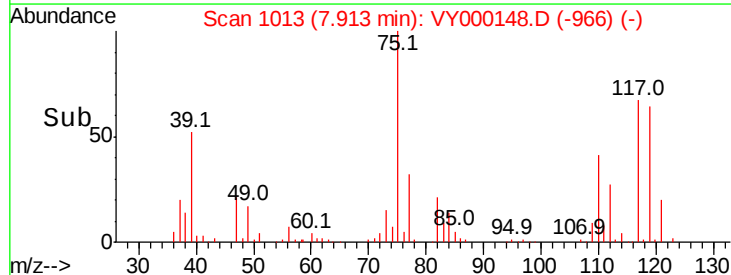
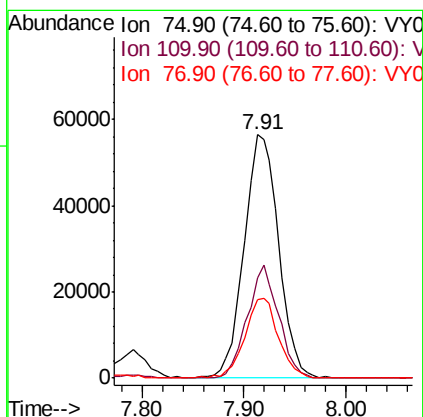
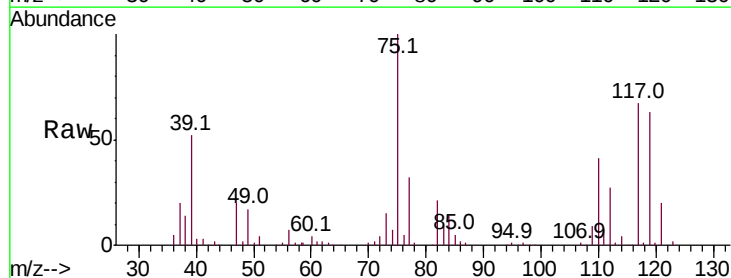
Instrument :
 MSVOA_Y
 ClientSampleId :

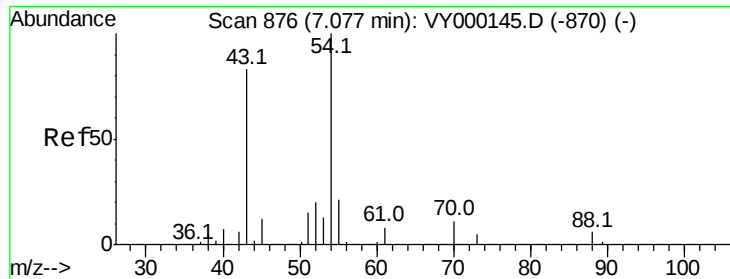
Tot Ion:113 Resp: 92749
 Ion Ratio Lower Upper
 113 100
 111 100.5 82.0 123.0
 192 21.3 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 48.849 ug/l
 RT: 7.91 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

Tgt Ion: 75 Resp: 132381
 Ion Ratio Lower Upper
 75 100
 110 42.3 21.1 63.1
 77 32.3 24.6 36.8

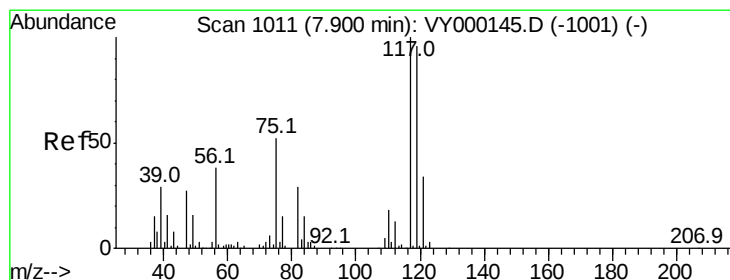
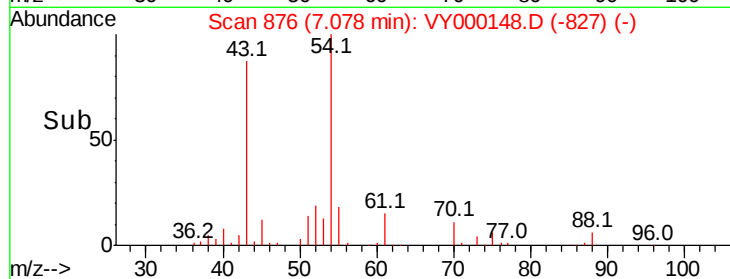
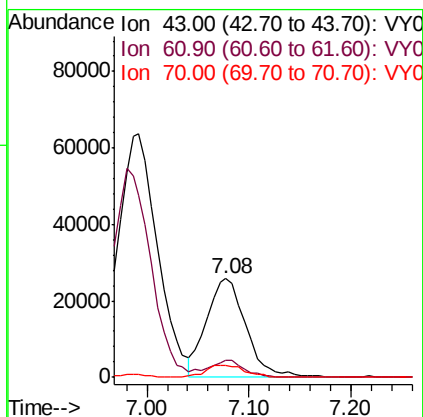
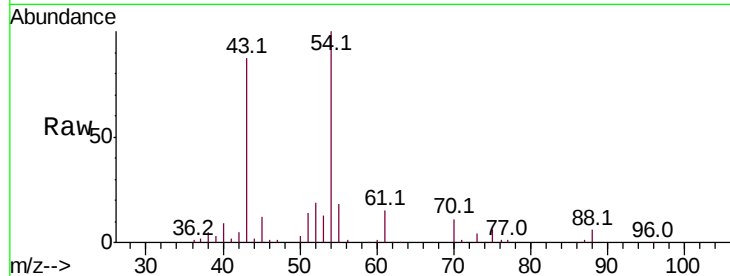




#37
Ethyl Acetate
Concen: 48.759 ug/l
RT: 7.08 min Scan# 876
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

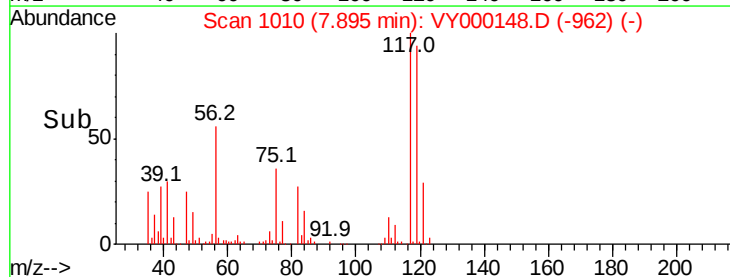
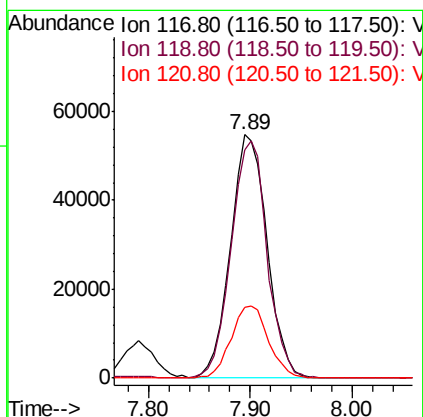
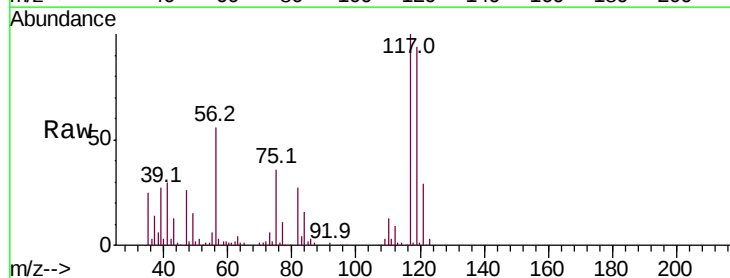
Instrument :
MSVOA_Y
ClientSampled :

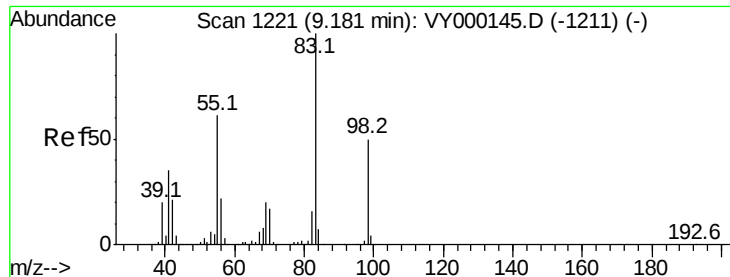
Tot Ion: 43 Resp: 69802
Ion Ratio Lower Upper
43 100
61 14.2 11.9 17.9
70 12.6 10.2 15.2



#38
Carbon Tetrachloride
Concen: 51.439 ug/l
RT: 7.89 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Tgt Ion: 117 Resp: 136086
Ion Ratio Lower Upper
117 100
119 94.0 76.9 115.3
121 29.0 27.4 41.0

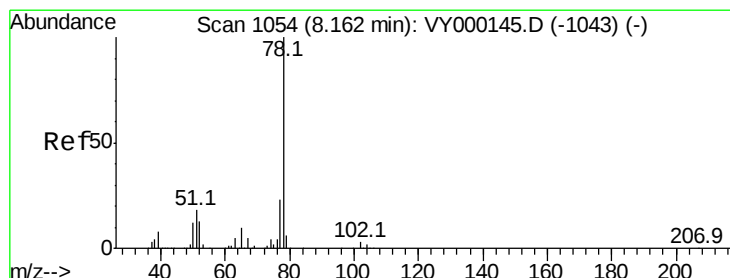
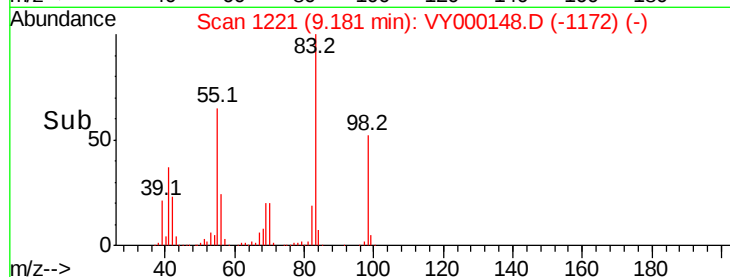
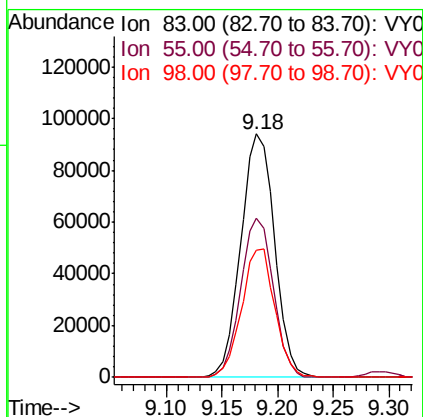
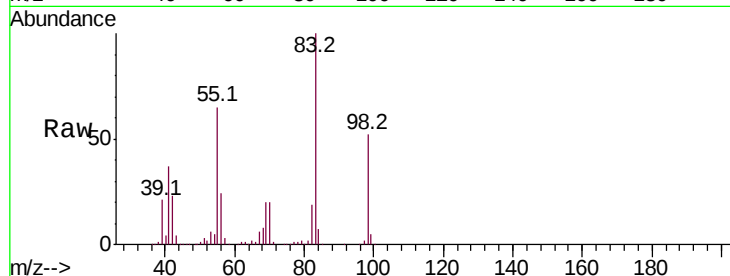




#39
Methvlcvclohexane
Concen: 51.643 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

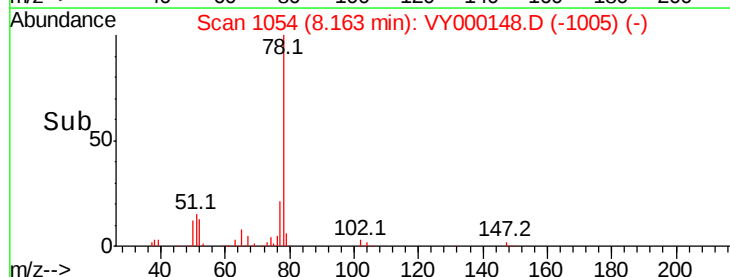
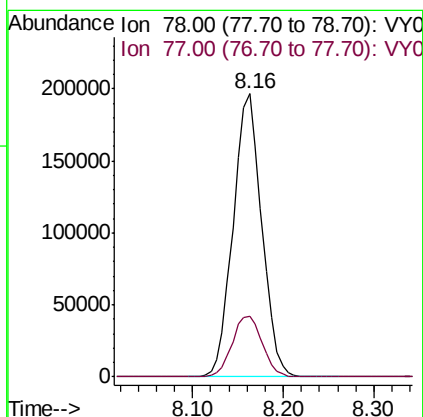
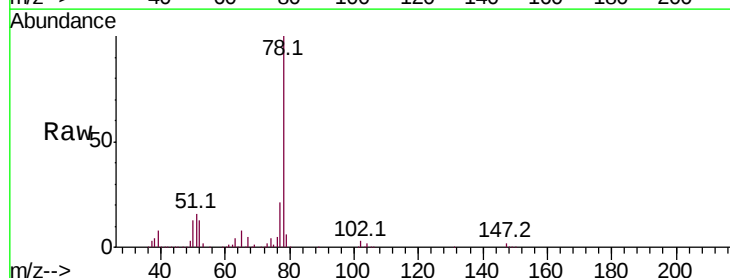
Instrument :
MSVOA_Y
ClientSampled :

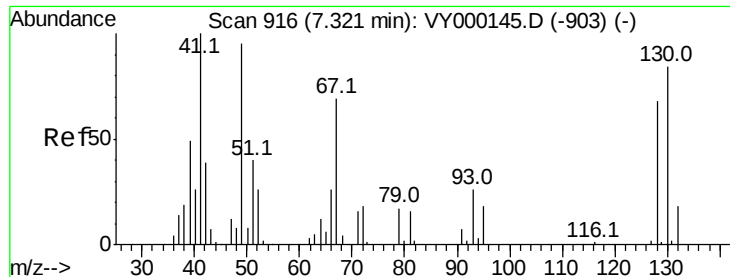
Tot Ion: 83 Resp: 198501
Ion Ratio Lower Upper
83 100
55 65.4 49.1 73.7
98 52.0 40.0 60.0



#40
Benzene
Concen: 50.160 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Tgt Ion: 78 Resp: 429393
Ion Ratio Lower Upper
78 100
77 21.4 18.2 27.4

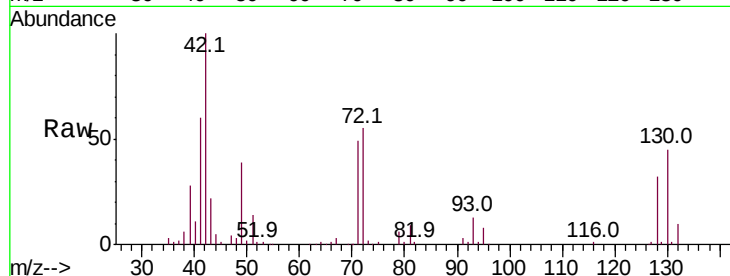




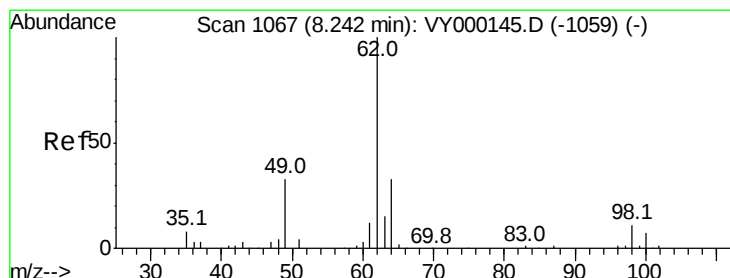
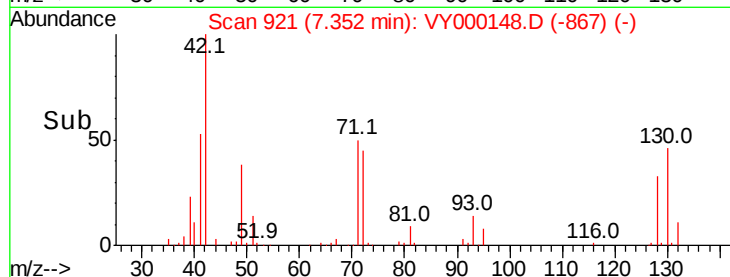
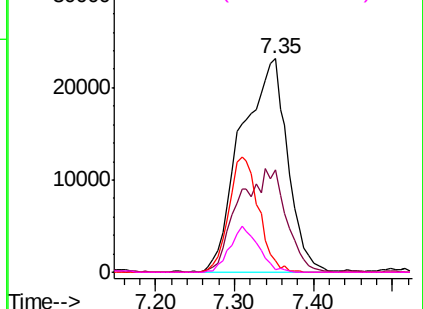
#41
Methacrylonitrile
Concen: 136.986 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.03 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 41 Resp: 94461
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0

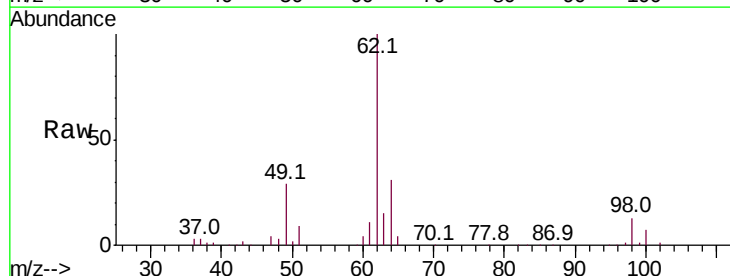


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

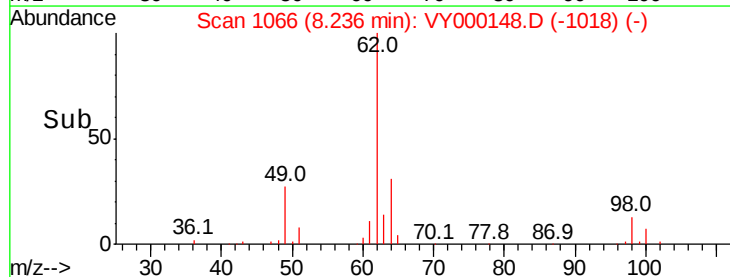
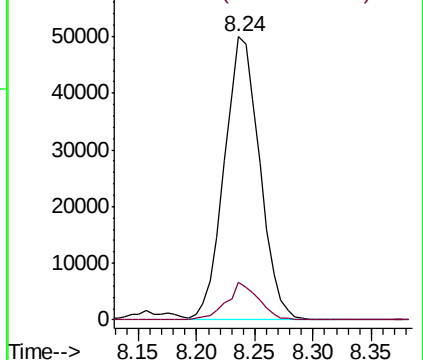


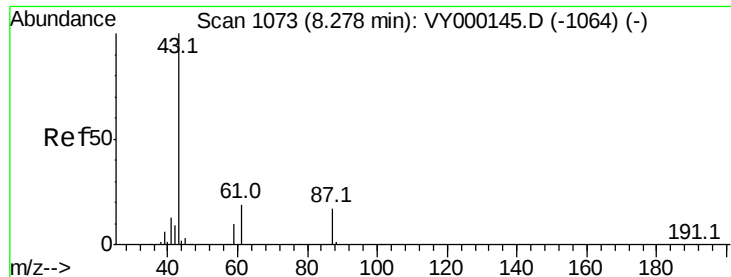
#42
1,2-Dichloroethane
Concen: 50.721 ug/l
RT: 8.24 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Tgt Ion: 62 Resp: 105644
Ion Ratio Lower Upper
62 100
98 11.9 0.0 24.8



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





#43

Isopropyl Acetate

Concen: 51.656 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

ClientSampleId :

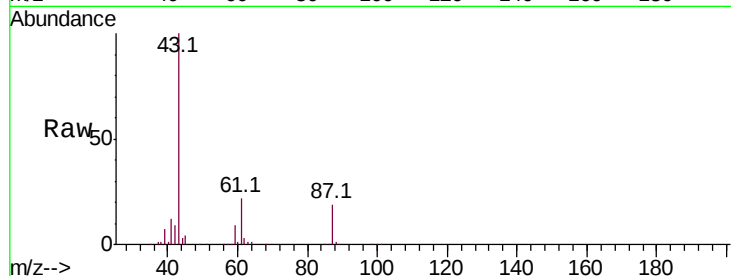
Tot Ion: 43 Resp: 136600

Ion Ratio Lower Upper

43 100

61 30.9 25.6 38.4

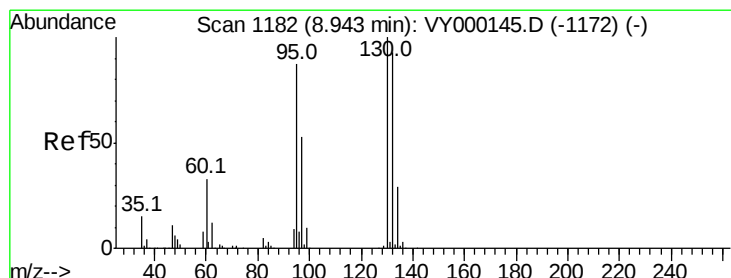
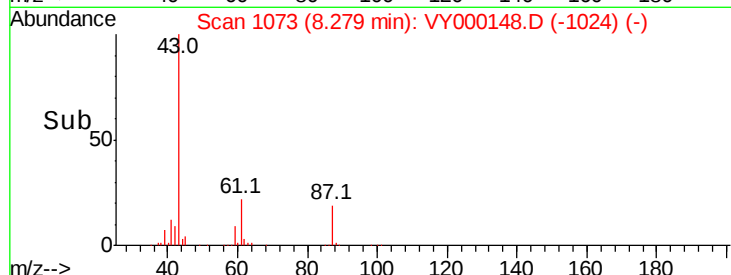
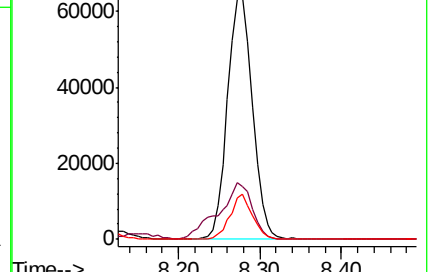
87 16.4 13.5 20.3



Abundance Ion 43.00 (42.70 to 43.70): VY000148.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY000148.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY000148.D (-1064) (-)



#44

Trichloroethene

Concen: 49.405 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY000148.D

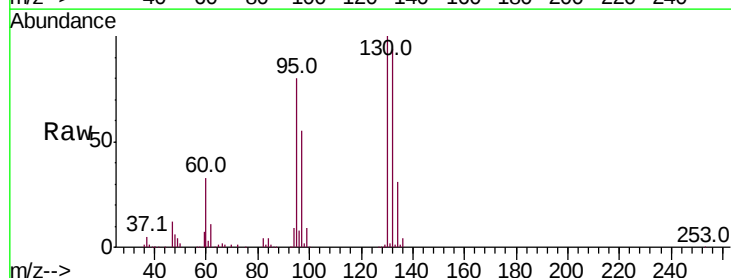
Acq: 26 Sep 2019 12:57

Tgt Ion:130 Resp: 135152

Ion Ratio Lower Upper

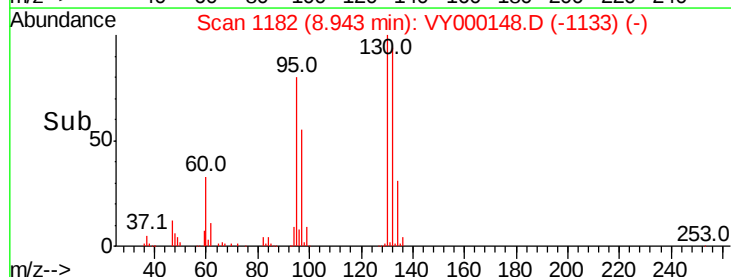
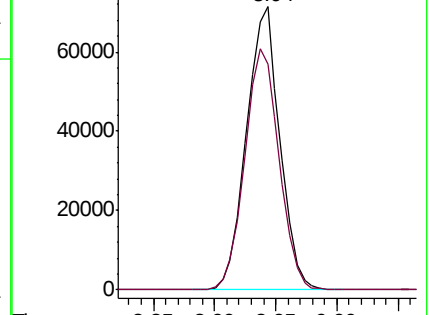
130 100

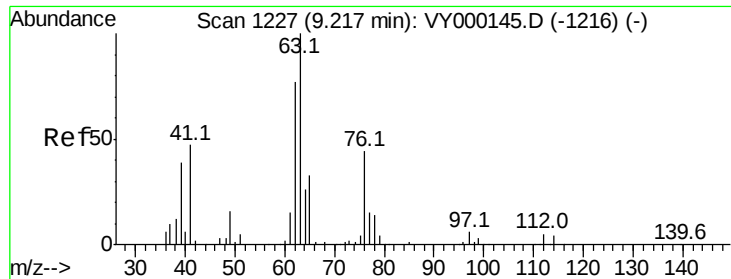
95 79.8 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): VY000148.D (-1133) (-)

Ion 94.90 (94.60 to 95.60): VY000148.D (-1133) (-)





#45

1,2-Dichloropropane

Concen: 50.277 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

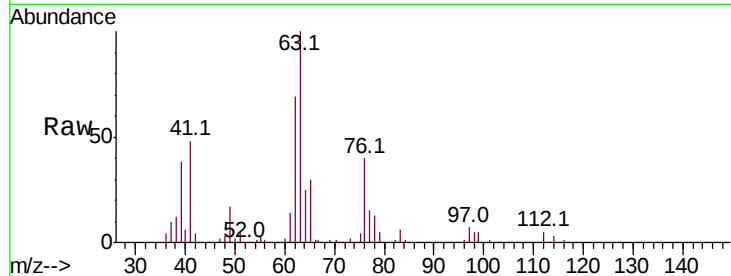
ClientSampleId :

Tot Ion: 63 Resp: 94945

Ion Ratio Lower Upper

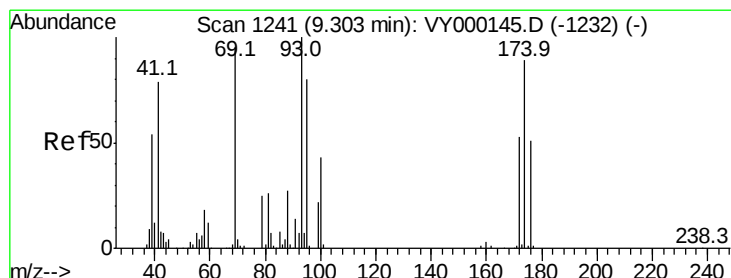
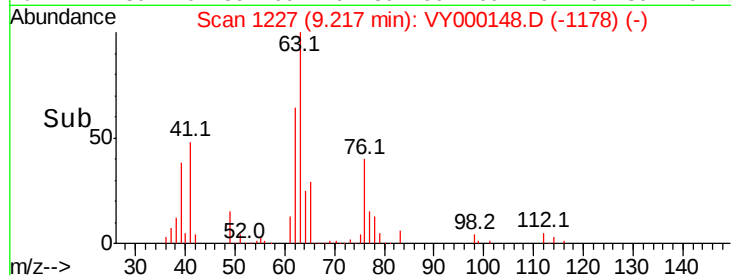
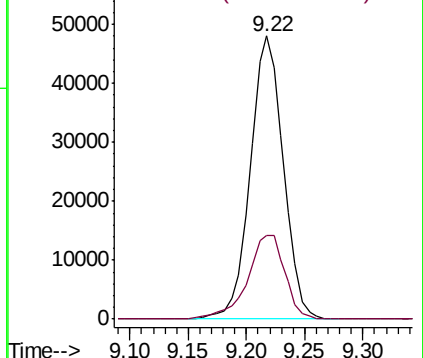
63 100

65 29.6 26.8 40.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 48.748 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

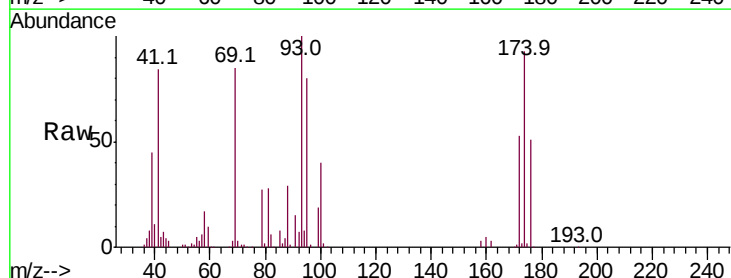
Tgt Ion: 93 Resp: 56181

Ion Ratio Lower Upper

93 100

95 85.3 66.3 99.5

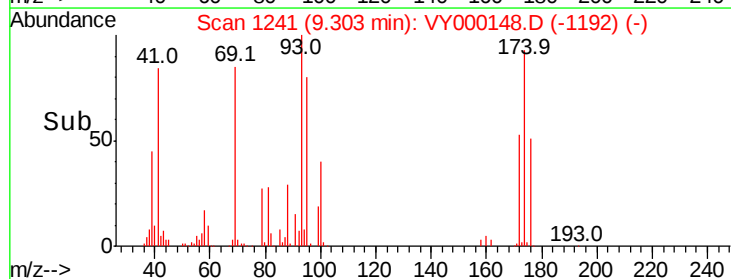
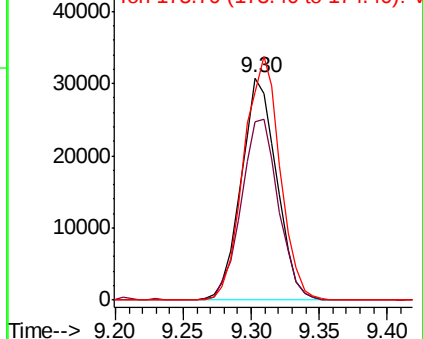
174 112.3 87.3 130.9

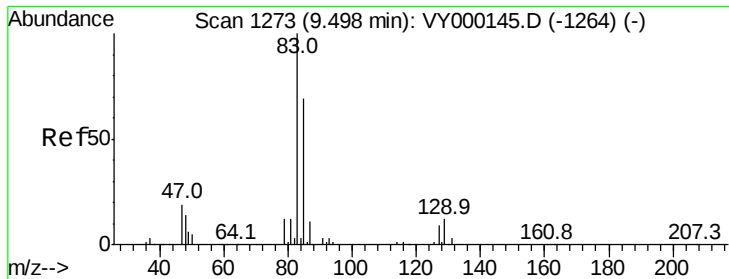


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.017 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

ClientSampleId :

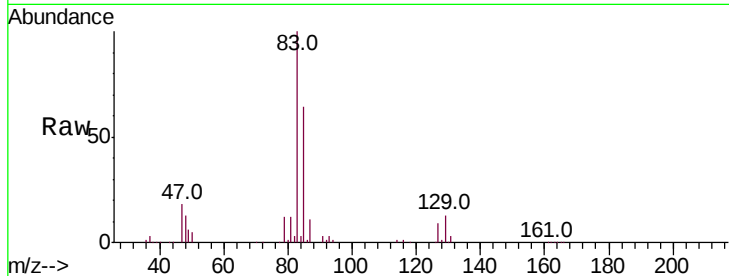
Tot Ion: 83 Resp: 129931

Ion Ratio Lower Upper

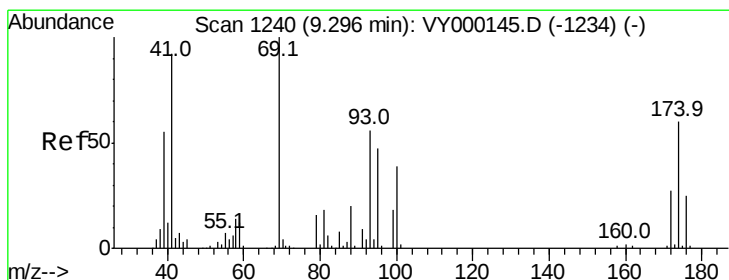
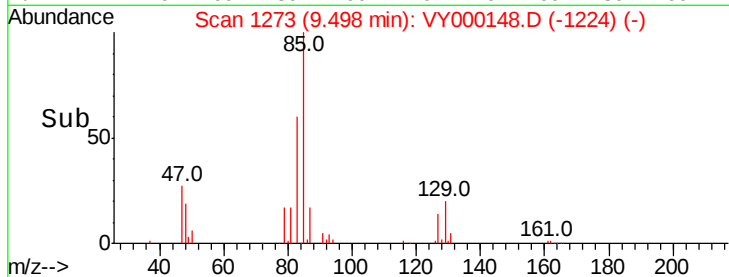
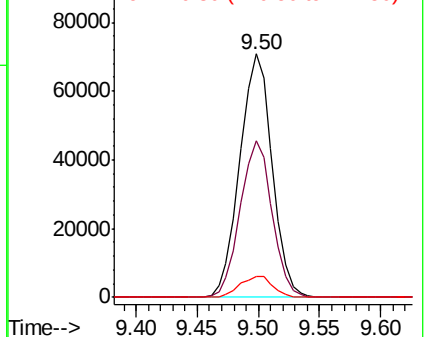
83 100

85 64.4 55.1 82.7

127 8.8 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): VY0



#48

Methyl methacrylate

Concen: 48.818 ug/l

RT: 9.29 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

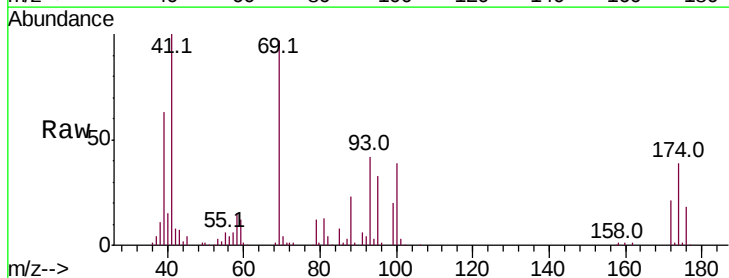
Tgt Ion: 41 Resp: 57808

Ion Ratio Lower Upper

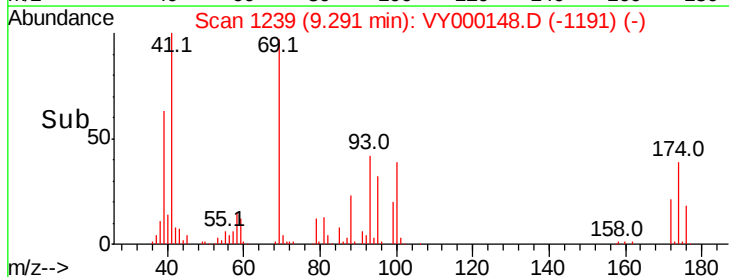
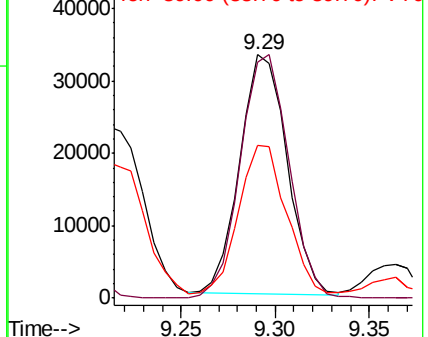
41 100

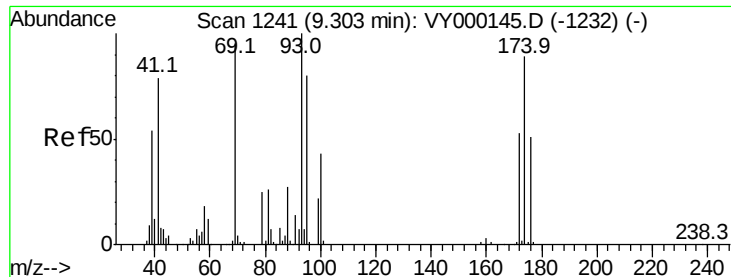
69 104.4 86.5 129.7

39 63.6 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

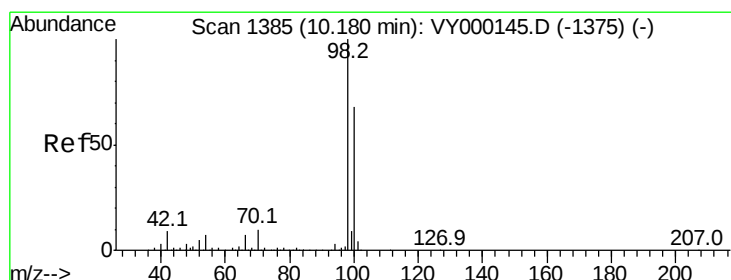
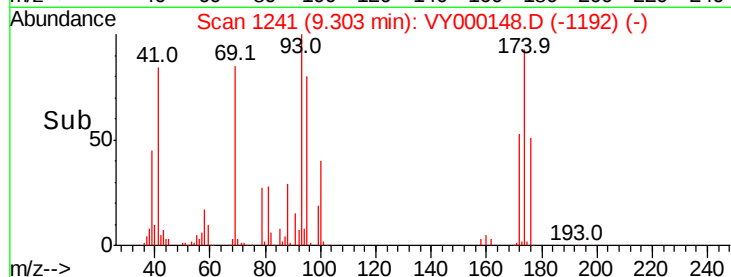
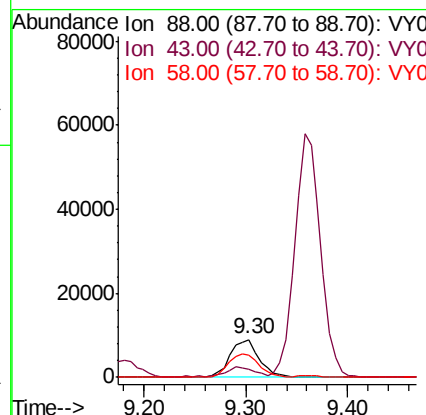
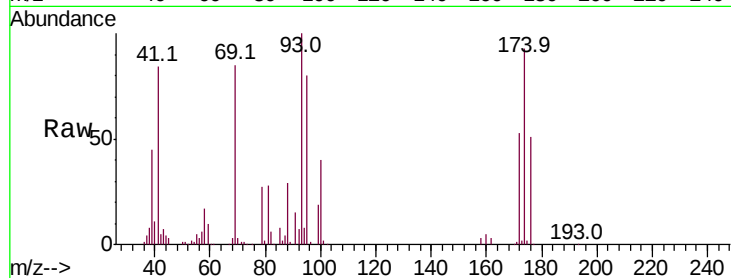




#49
 1,4-Dioxane
 Concen: 999.135 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

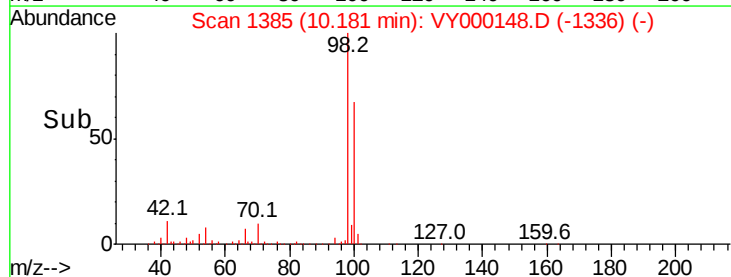
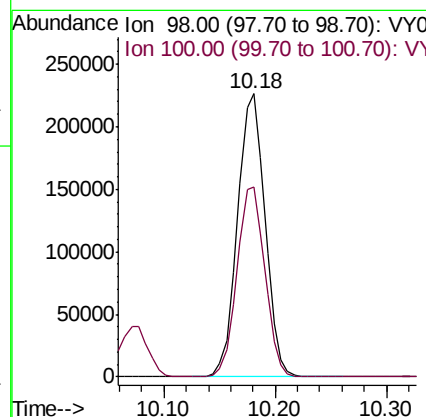
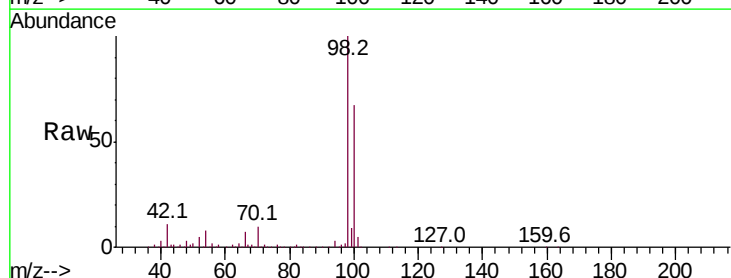
Instrument :
 MSVOA_Y
 ClientSampleId :

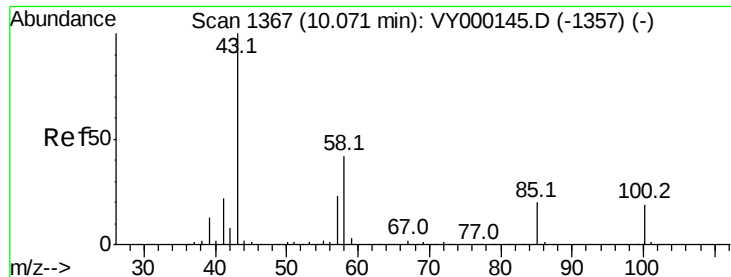
Tot Ion: 88 Resp: 17790
 Ion Ratio Lower Upper
 88 100
 43 27.9 24.4 36.6
 58 65.7 49.2 73.8



#50
 Toluene-d8
 Concen: 53.601 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

Tgt Ion: 98 Resp: 387362
 Ion Ratio Lower Upper
 98 100
 100 67.9 54.2 81.2





#51

4-Methyl-2-Pentanone

Concen: 259.143 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

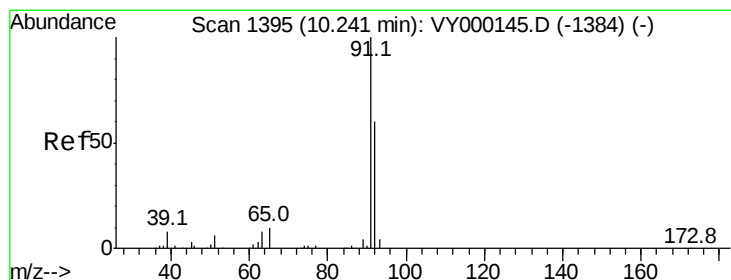
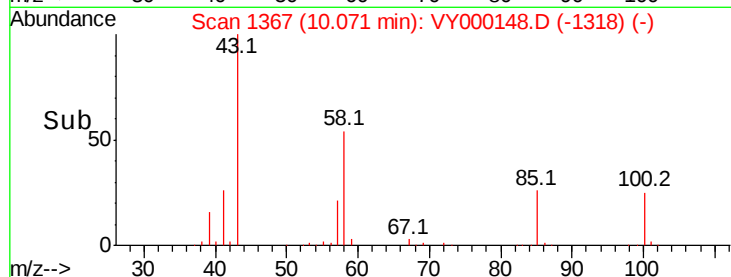
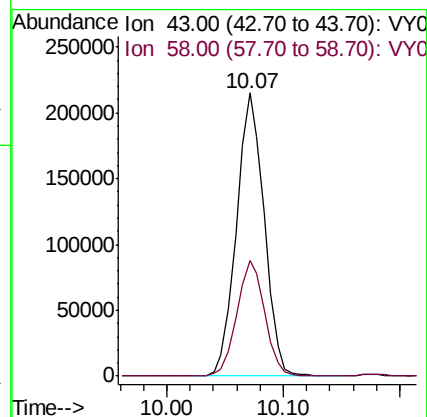
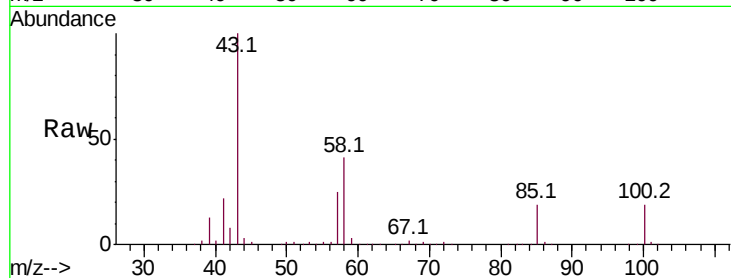
ClientSampleId :

Tot Ion: 43 Resp: 355692

Ion Ratio Lower Upper

43 100

58 41.0 33.6 50.4



#52

Toluene

Concen: 49.921 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY000148.D

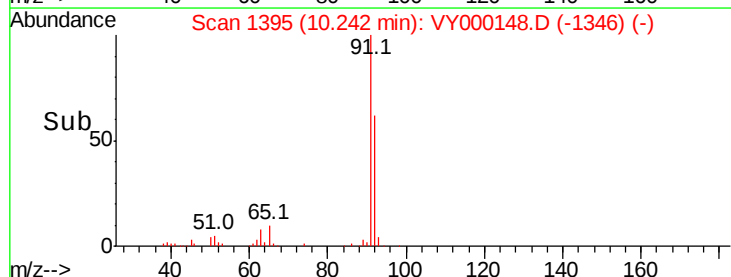
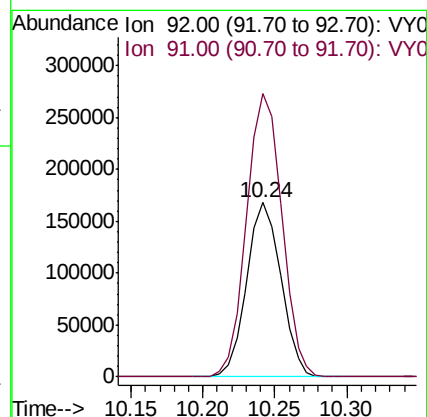
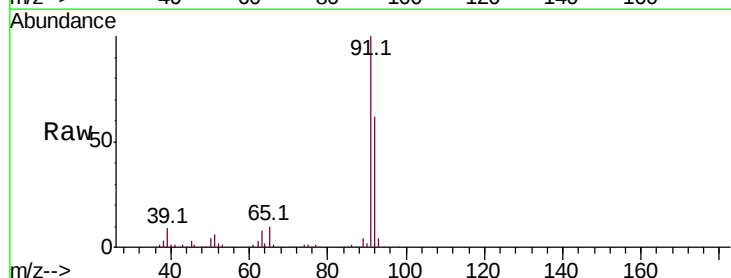
Acq: 26 Sep 2019 12:57

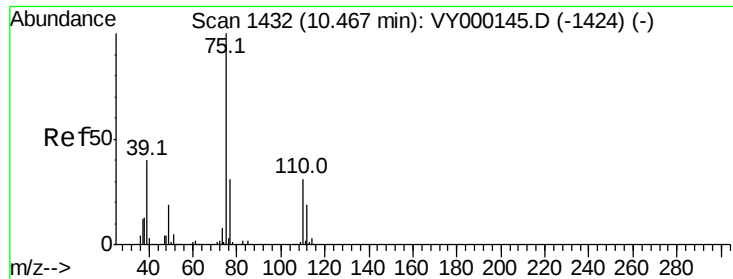
Tgt Ion: 92 Resp: 276761

Ion Ratio Lower Upper

92 100

91 167.4 134.6 201.8





#53

t-1,3-Dichloropropene

Concen: 51.012 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

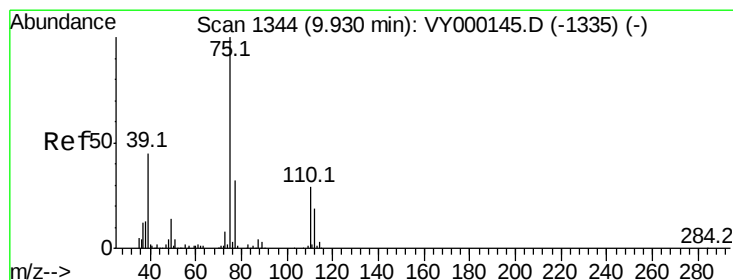
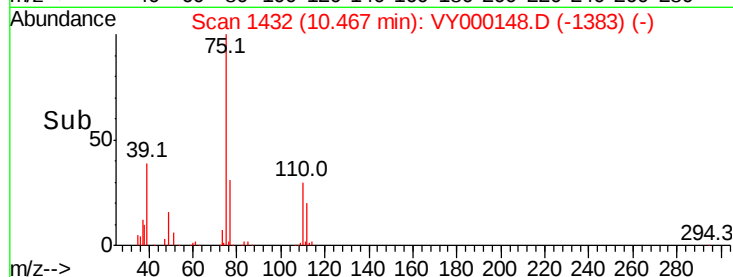
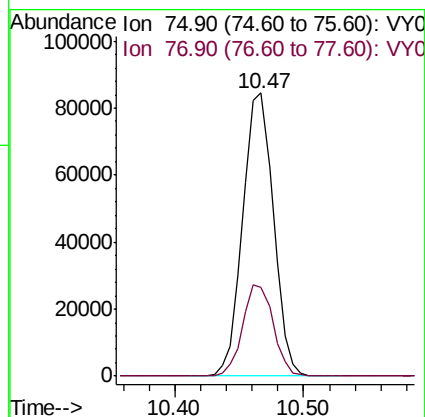
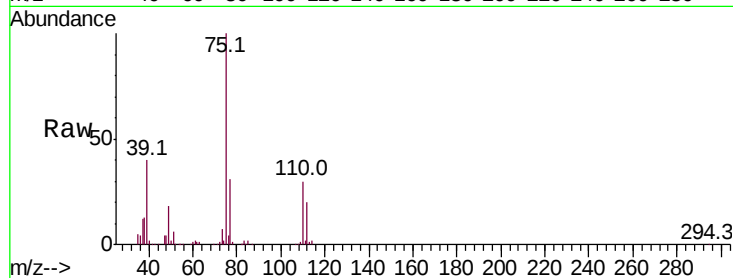
ClientSampleId :

Tot Ion: 75 Resp: 139198

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 51.021 ug/l

RT: 9.92 min Scan# 1343

Delta R.T. -0.01 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

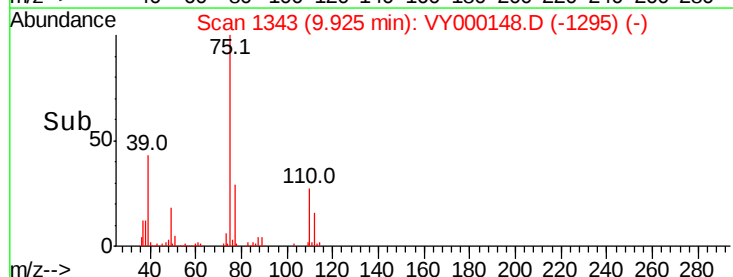
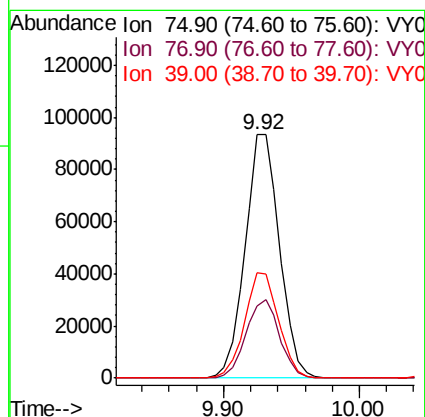
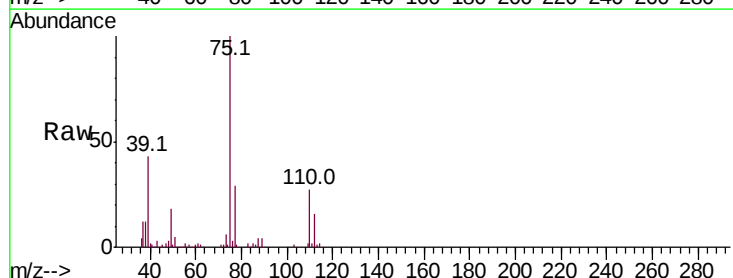
Tgt Ion: 75 Resp: 164993

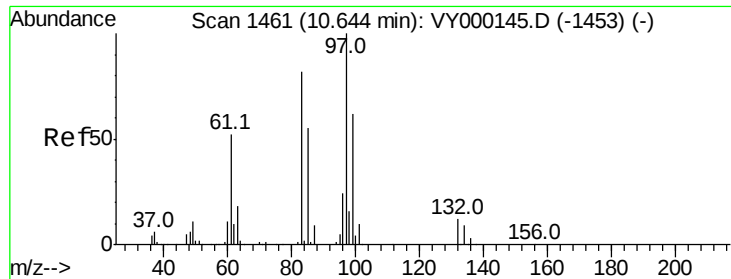
Ion Ratio Lower Upper

75 100

77 29.4 25.4 38.0

39 43.4 35.8 53.6





#55

1,1,2-Trichloroethane

Concen: 49.945 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 85588

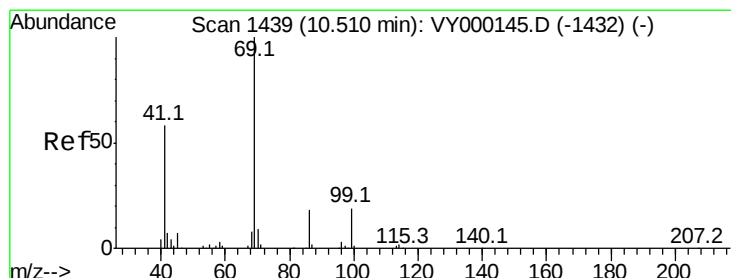
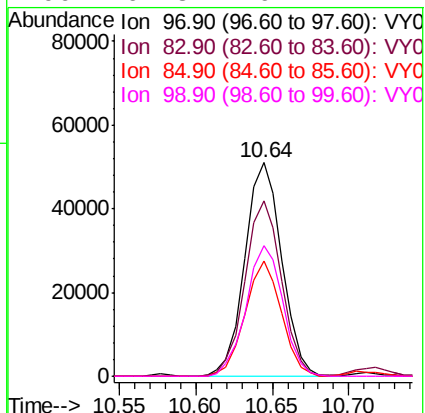
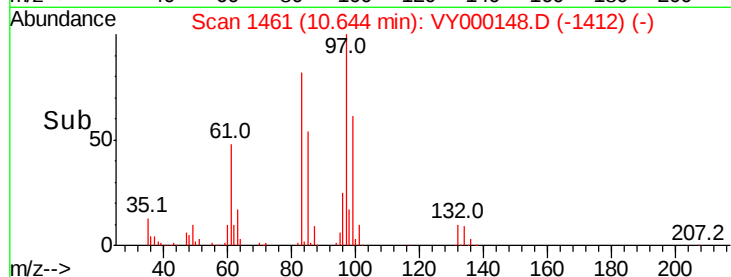
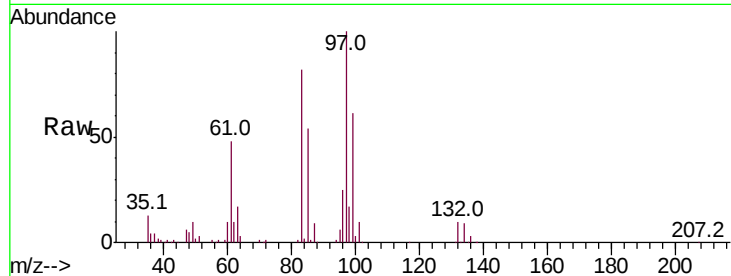
Ion	Ratio	Lower	Upper
97	100		
83	81.9	65.7	98.5
85	53.9	44.1	66.1
99	61.3	49.4	74.2

97 100

83 81.9 65.7 98.5

85 53.9 44.1 66.1

99 61.3 49.4 74.2



#56

Ethyl methacrylate

Concen: 50.931 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

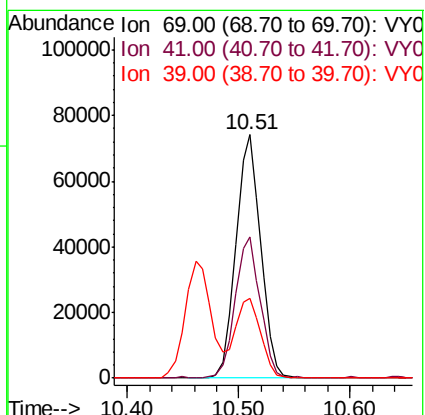
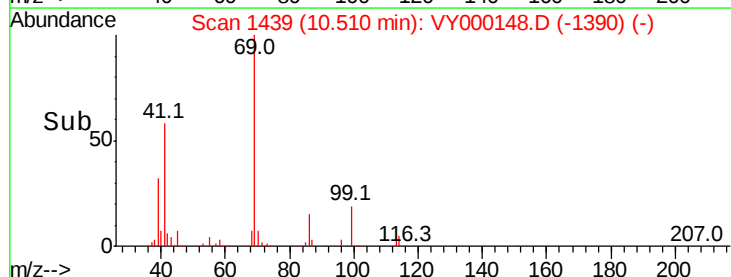
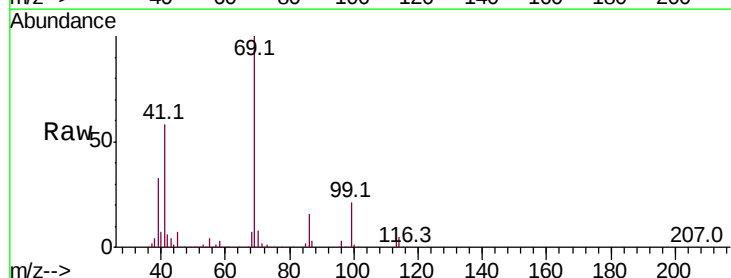
Tgt Ion: 69 Resp: 113531

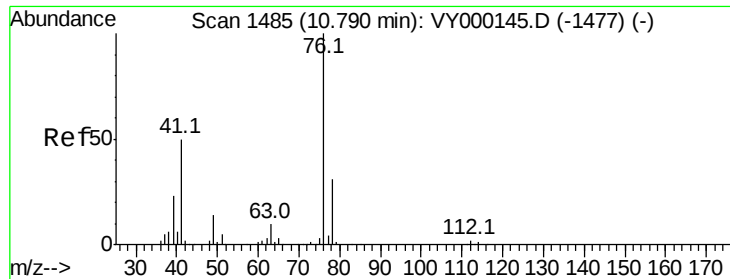
Ion	Ratio	Lower	Upper
69	100		
41	58.6	45.8	68.8
39	34.4	27.8	41.8

69 100

41 58.6 45.8 68.8

39 34.4 27.8 41.8





#57

1,3-Dichloropropane

Concen: 49.618 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

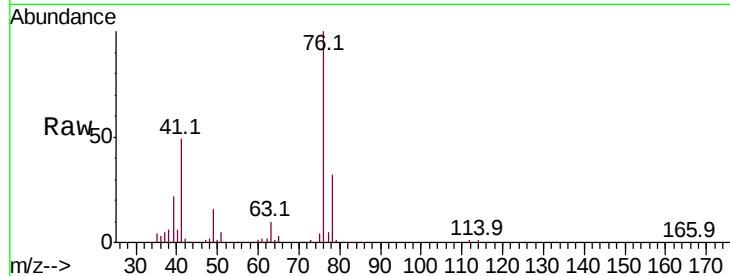
ClientSampleId :

Tot Ion: 76 Resp: 136637

Ion Ratio Lower Upper

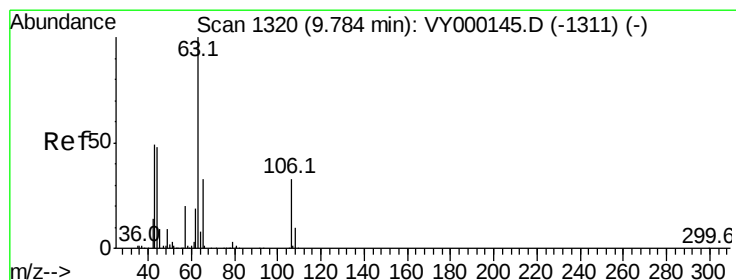
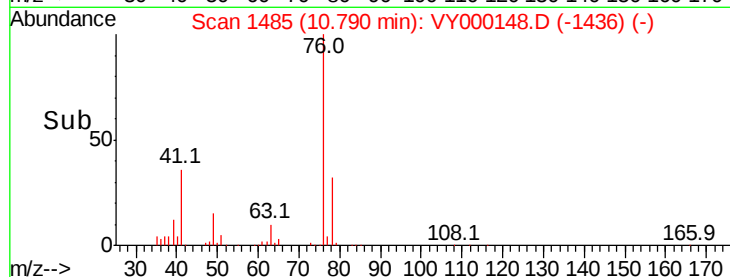
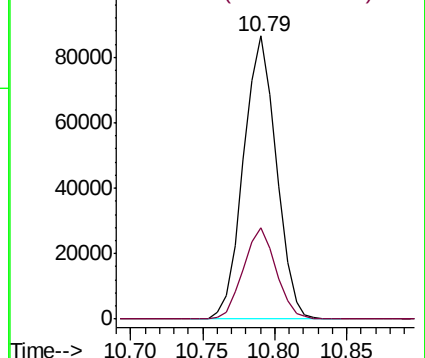
76 100

78 32.1 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 255.792 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY000148.D

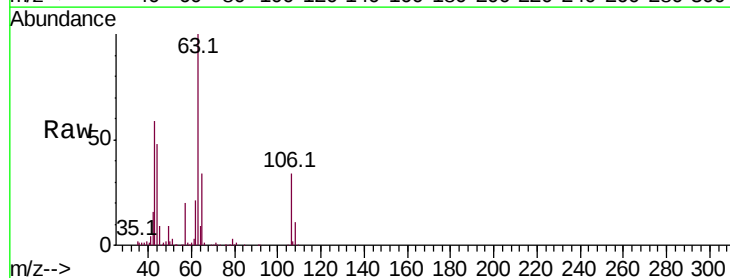
Acq: 26 Sep 2019 12:57

Tgt Ion: 63 Resp: 267810

Ion Ratio Lower Upper

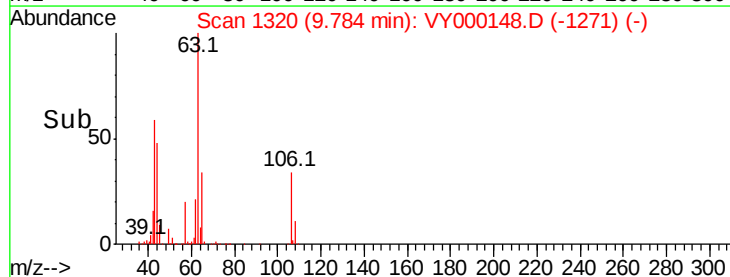
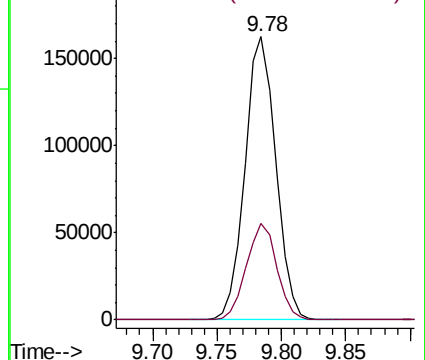
63 100

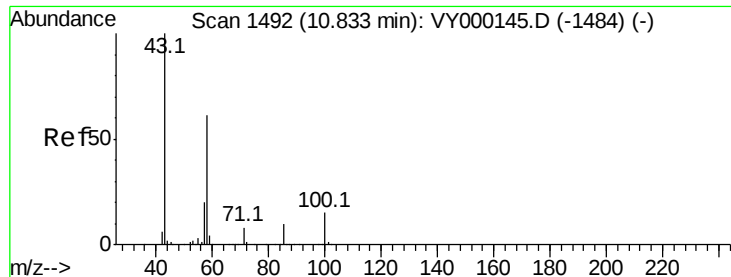
106 33.6 27.0 40.6



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 269.773 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

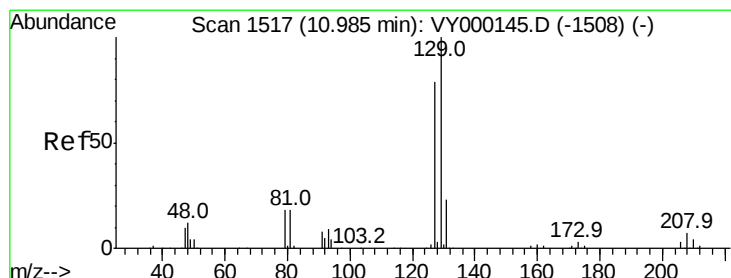
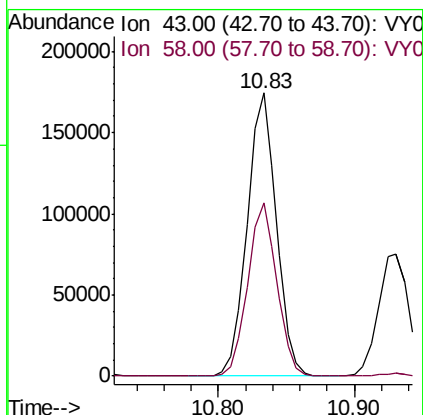
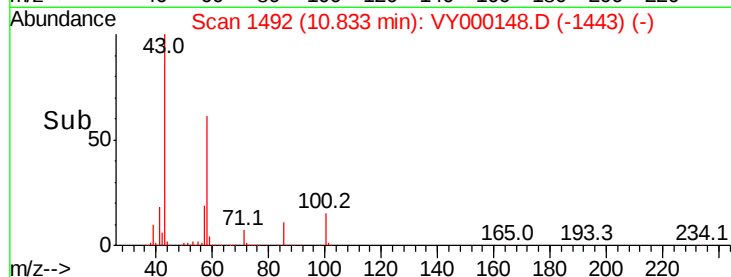
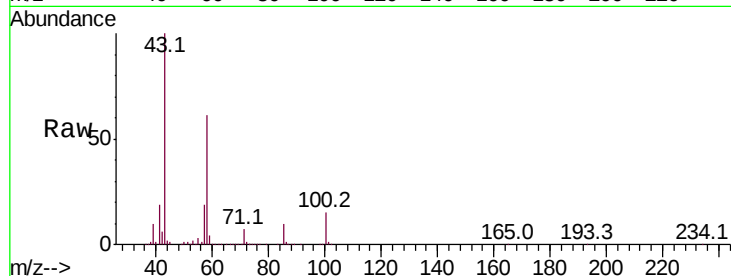
ClientSampleId :

Tot Ion: 43 Resp: 263171

Ion Ratio Lower Upper

43 100

58 60.7 29.5 88.5



#60

Dibromochloromethane

Concen: 51.691 ug/l

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY000148.D

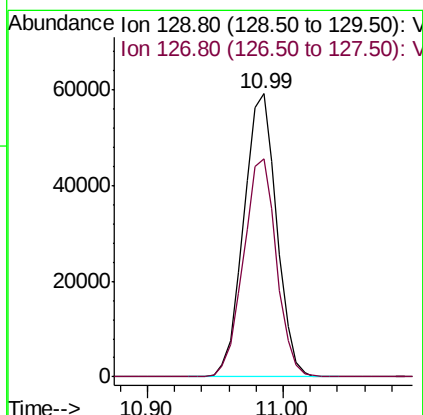
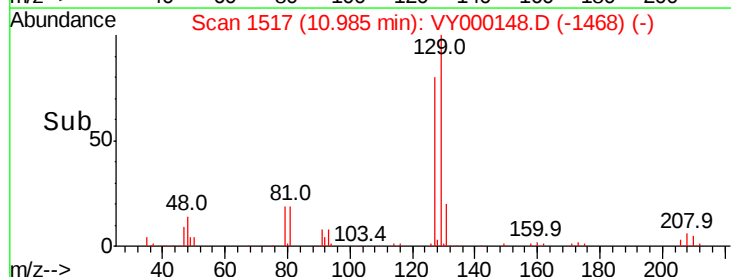
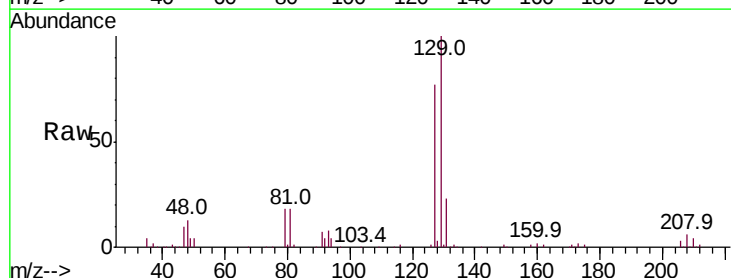
Acq: 26 Sep 2019 12:57

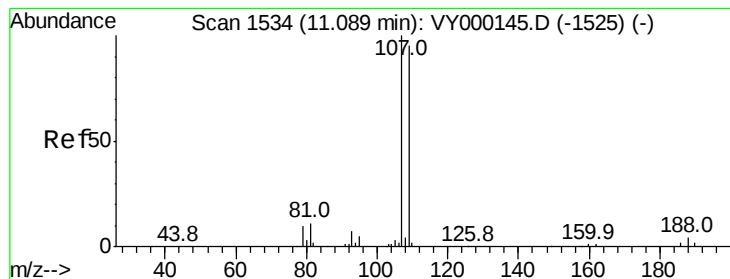
Tgt Ion: 129 Resp: 100134

Ion Ratio Lower Upper

129 100

127 77.4 39.4 118.1





#61

1,2-Dibromoethane

Concen: 49.766 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

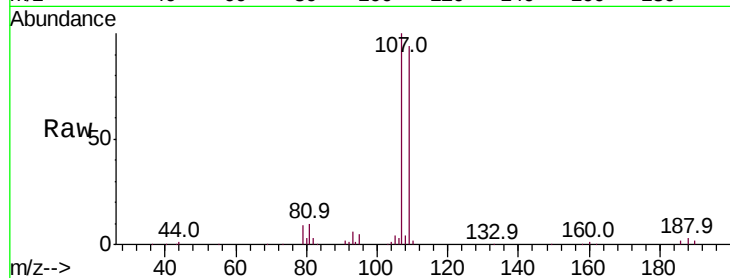
ClientSampled :

Tot Ion:107 Resp: 81381

Ion Ratio Lower Upper

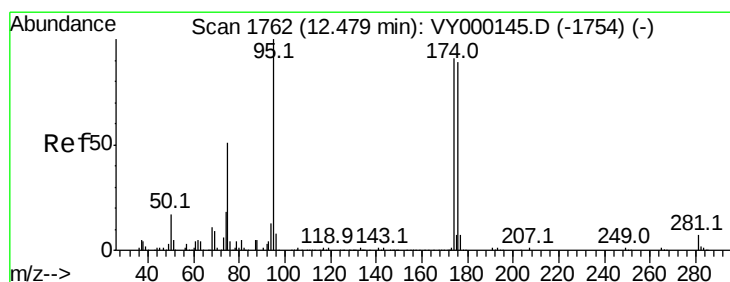
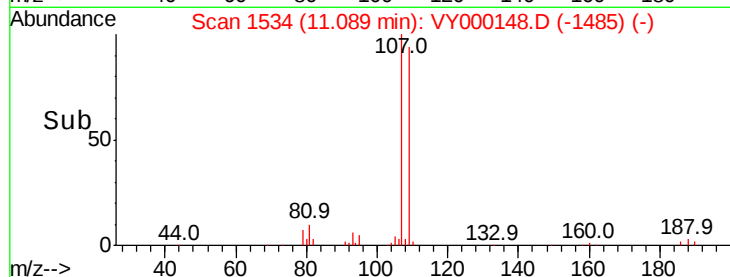
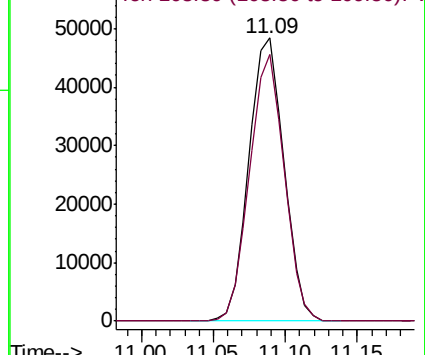
107 100

109 93.1 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: 49.402 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

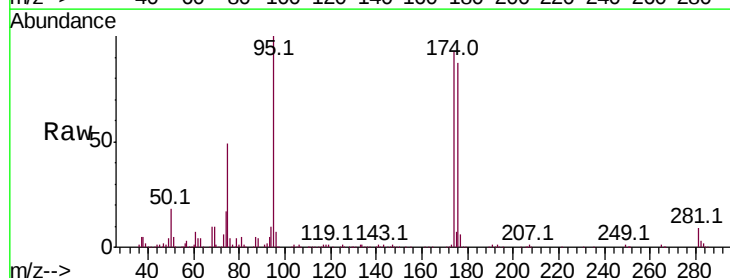
Tgt Ion: 95 Resp: 130130

Ion Ratio Lower Upper

95 100

174 91.5 0.0 180.6

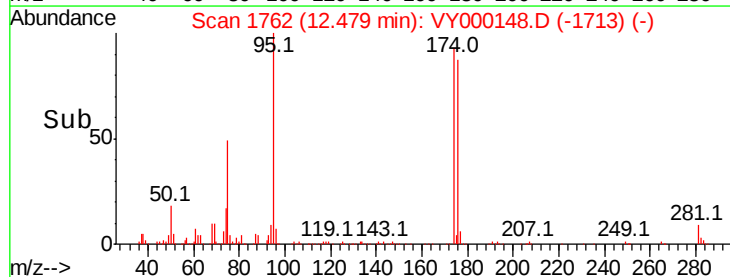
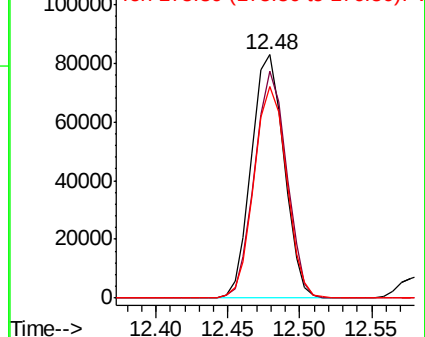
176 86.7 0.0 171.6

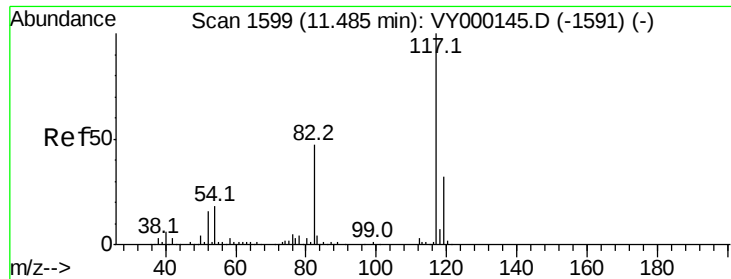


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

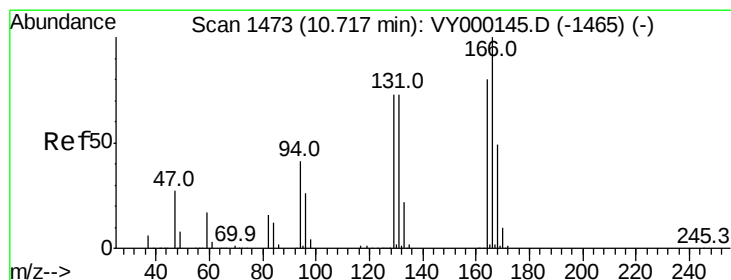
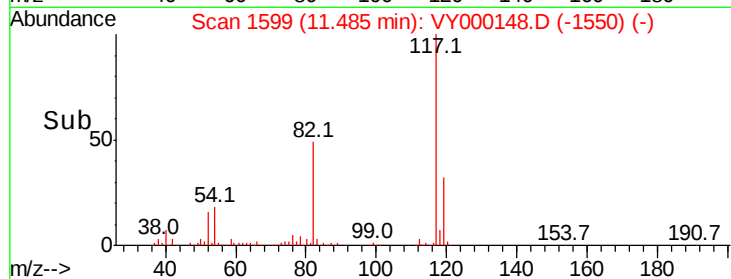
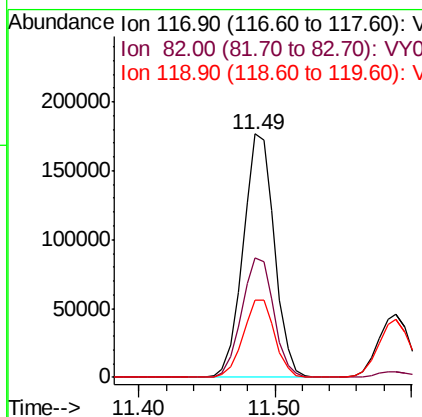
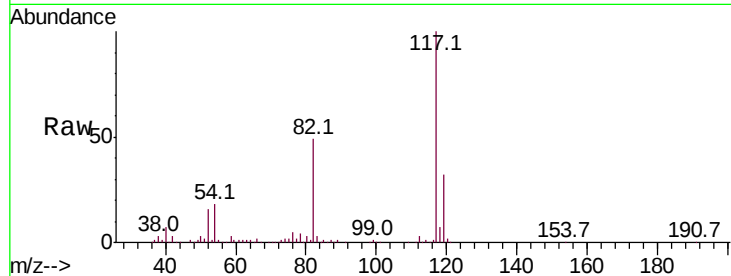




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

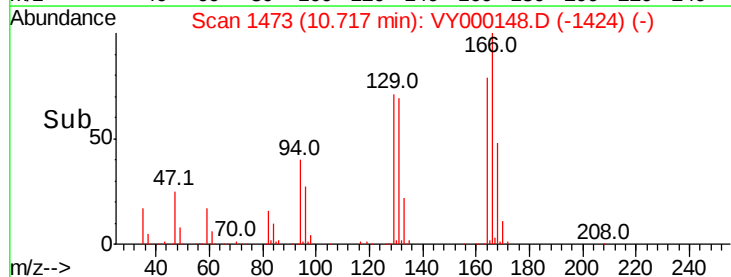
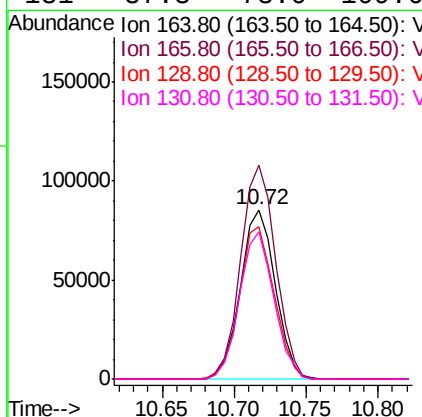
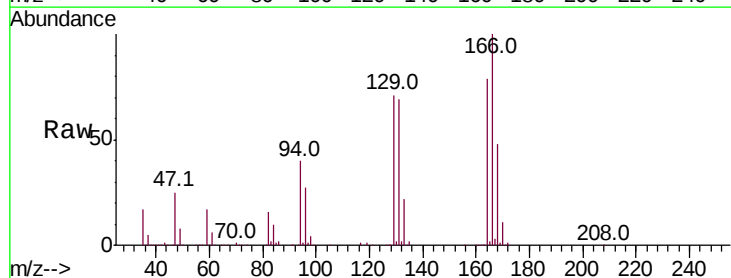
Instrument :
MSVOA_Y
ClientSampleId :

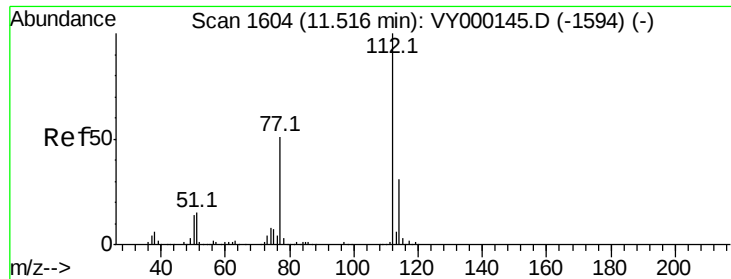
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.0	37.7	56.5
119	31.9	25.4	38.2



#64
Tetrachloroethene
Concen: 50.898 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	99.5	149.3
129	90.1	72.8	109.2
131	87.3	73.0	109.6

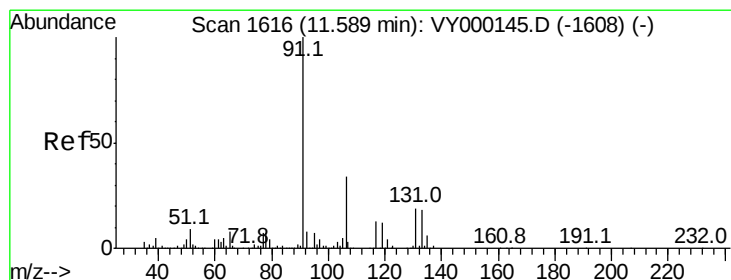
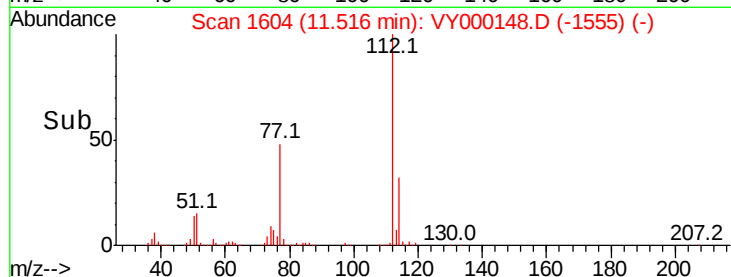
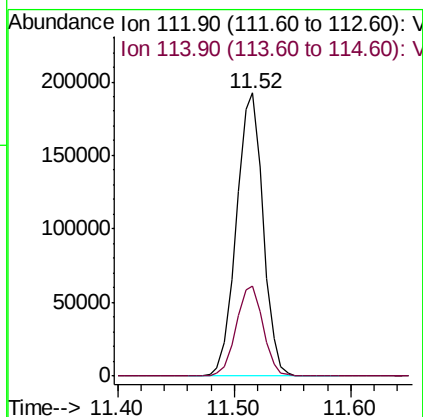
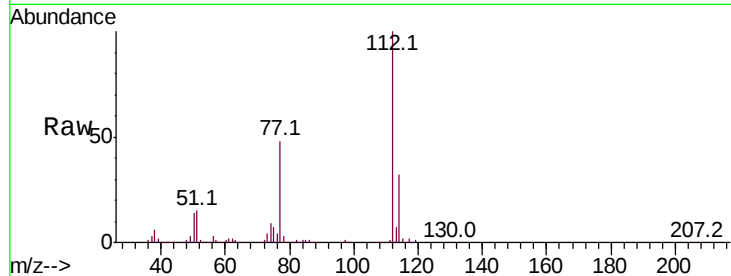




#65
Chlorobenzene
Concen: 52.001 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

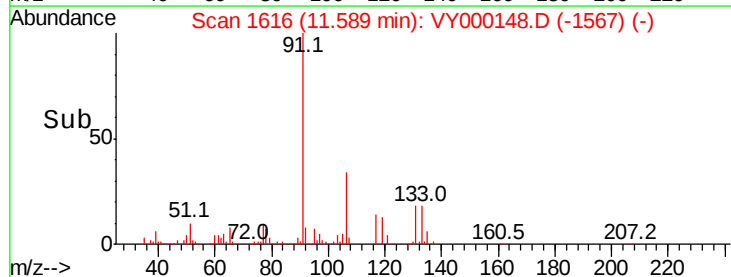
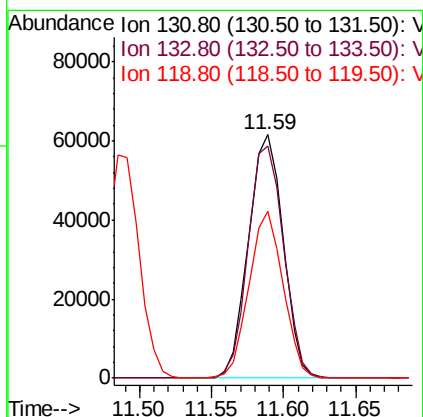
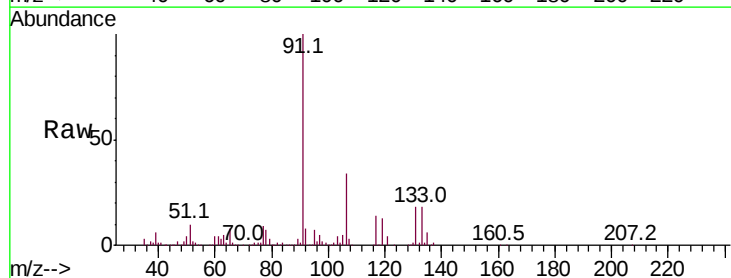
Instrument :
MSVOA_Y
ClientSampled :

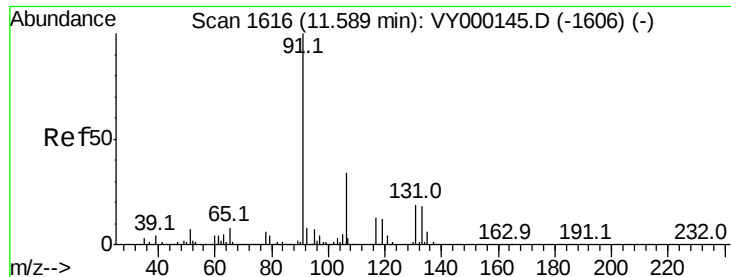
Tot Ion:112 Resp: 306482
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.517 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Tgt Ion:131 Resp: 102600
Ion Ratio Lower Upper
131 100
133 97.5 47.2 141.6
119 67.2 32.3 96.9





#67

Ethyl Benzene

Concen: 51.030 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

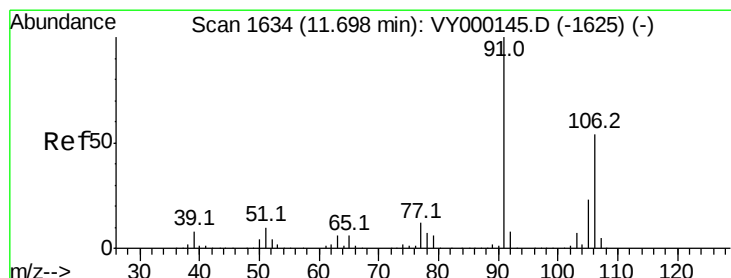
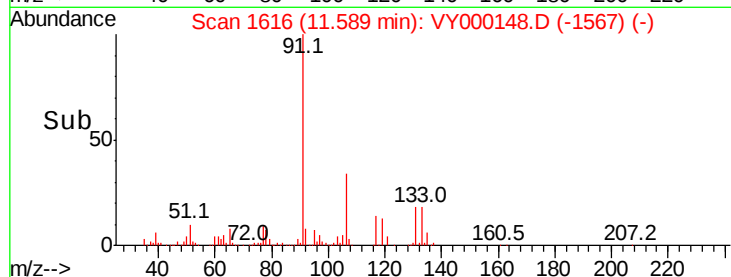
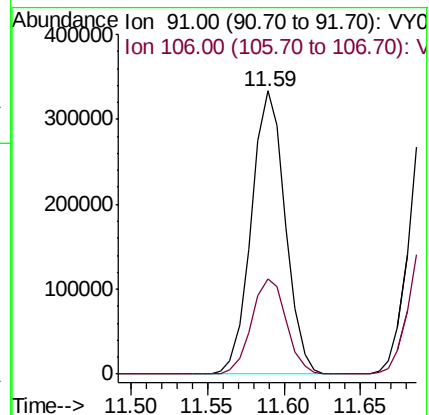
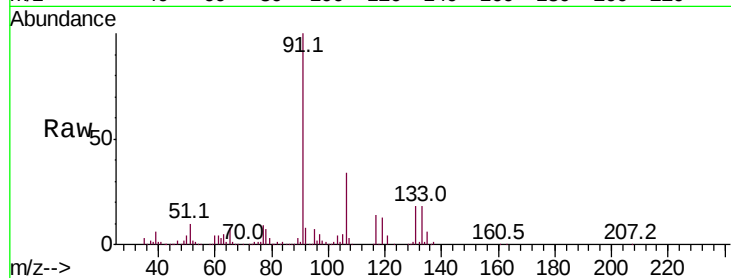
ClientSampleId :

Tot Ion: 91 Resp: 514113

Ion Ratio Lower Upper

91 100

106 33.8 27.3 40.9



#68

m/p-Xylenes

Concen: 103.663 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000148.D

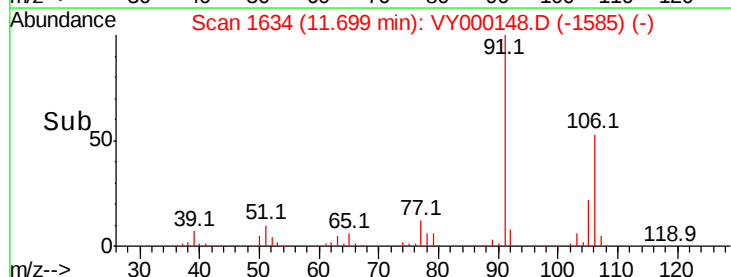
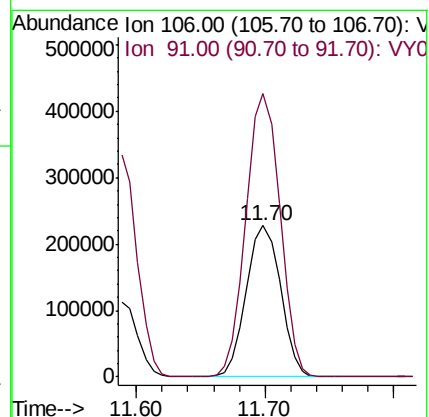
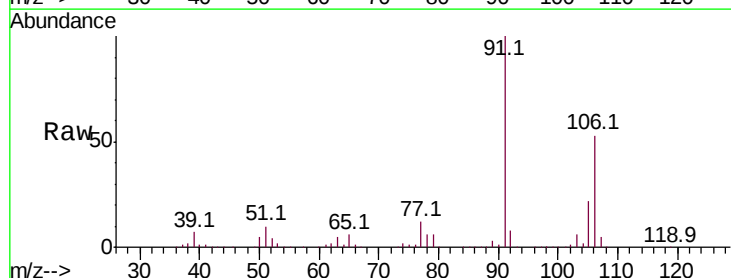
Acq: 26 Sep 2019 12:57

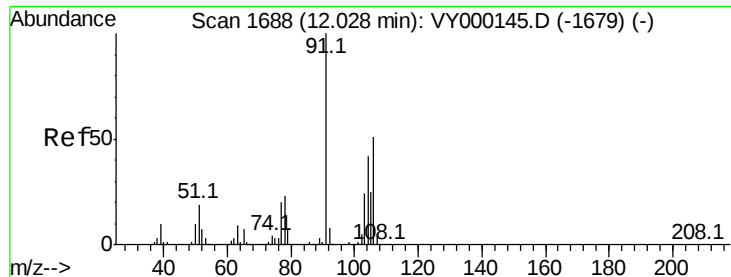
Tgt Ion: 106 Resp: 422200

Ion Ratio Lower Upper

106 100

91 185.7 148.6 223.0

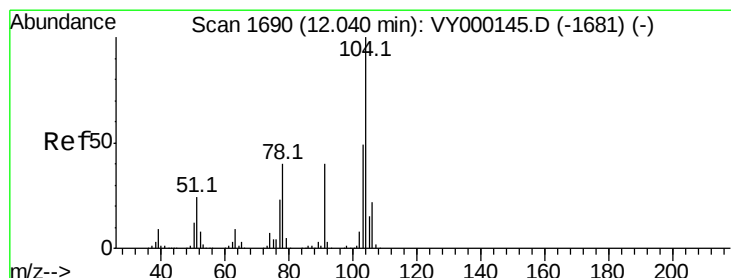
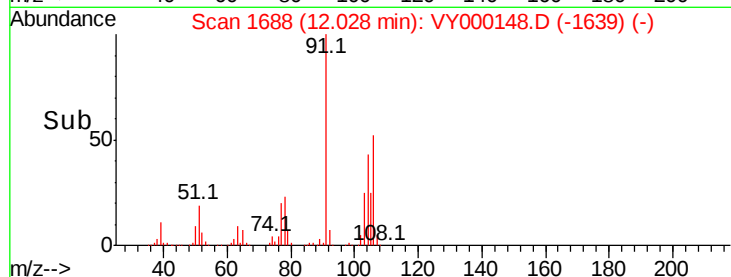
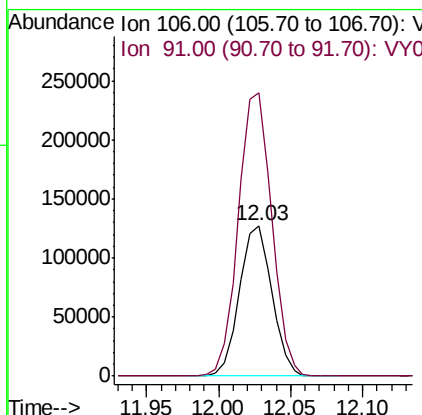
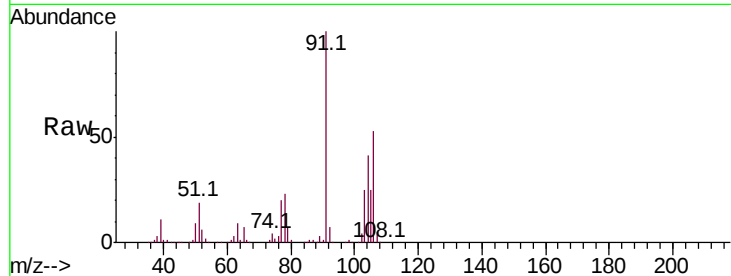




#69
o-Xylene
Concen: 51.149 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

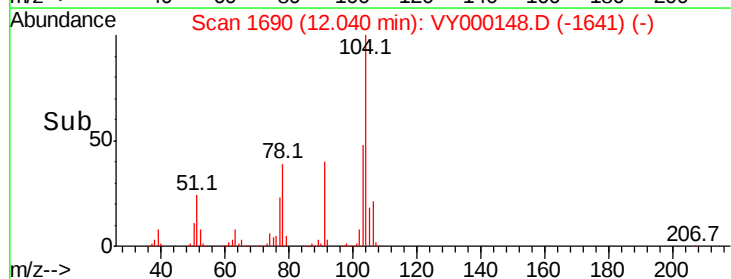
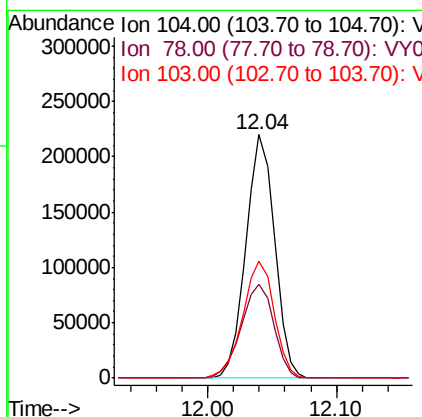
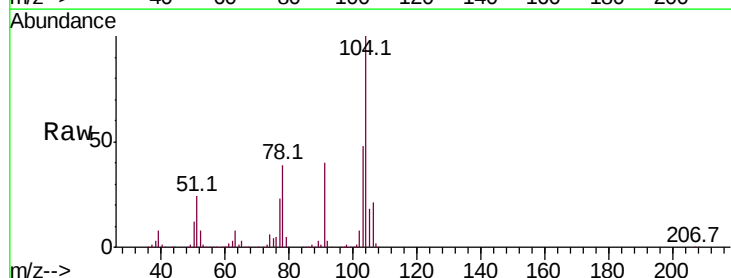
Instrument :
MSVOA_Y
ClientSampleId :

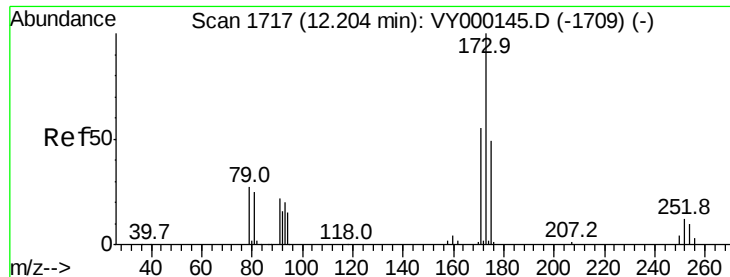
Tot Ion:106 Resp: 198681
Ion Ratio Lower Upper
106 100
91 194.2 98.0 293.9



#70
Styrene
Concen: 51.592 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Tgt Ion:104 Resp: 339152
Ion Ratio Lower Upper
104 100
78 43.9 34.7 52.1
103 52.5 41.6 62.4





#71

Bromoform

Concen: 55.145 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

ClientSampleId :

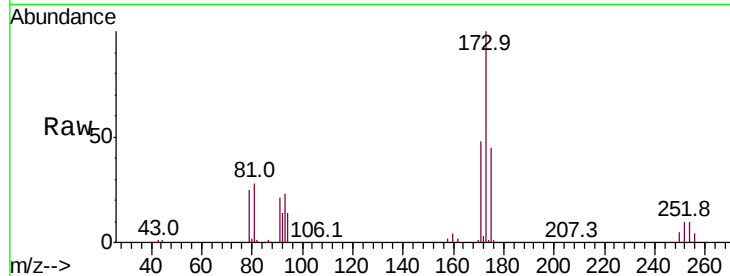
Tot Ion:173 Resp: 64537

Ion Ratio Lower Upper

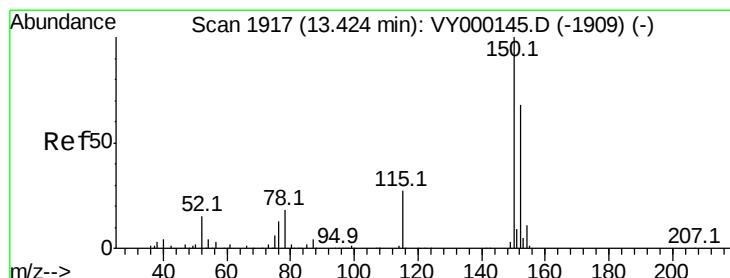
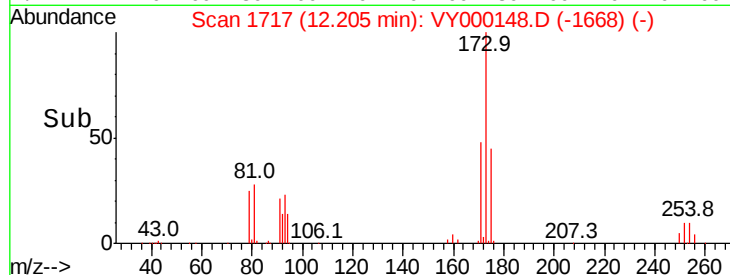
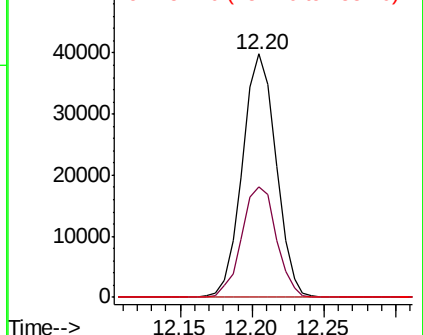
173 100

175 46.6 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: VY000148.D

Acq: 26 Sep 2019 12:57

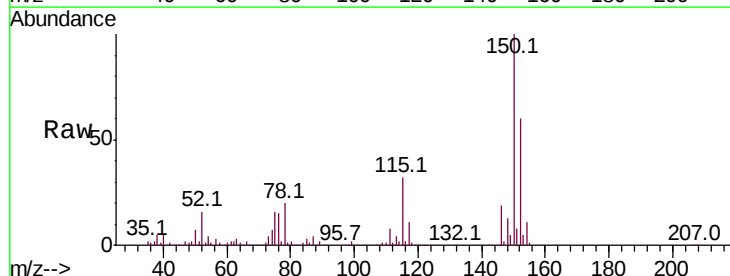
Tgt Ion:152 Resp: 140638

Ion Ratio Lower Upper

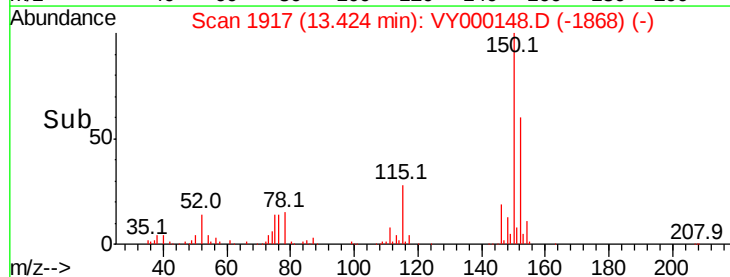
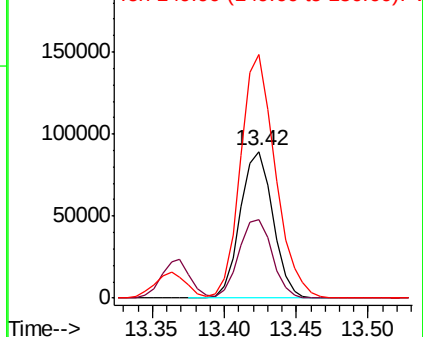
152 100

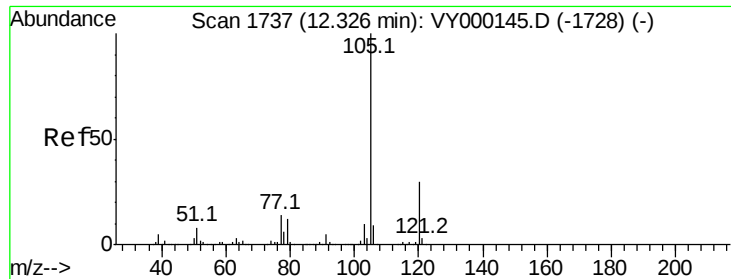
115 54.6 26.8 80.4

150 176.6 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: 50.561 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

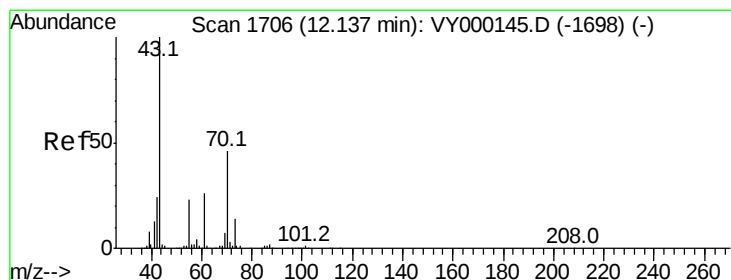
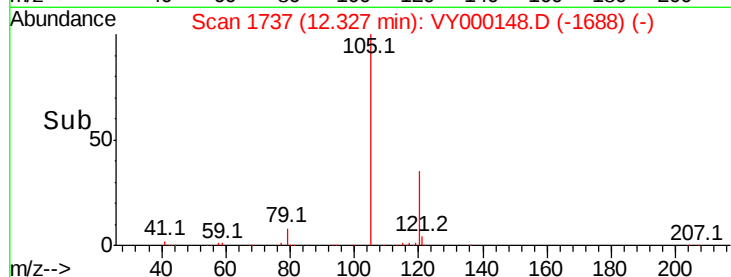
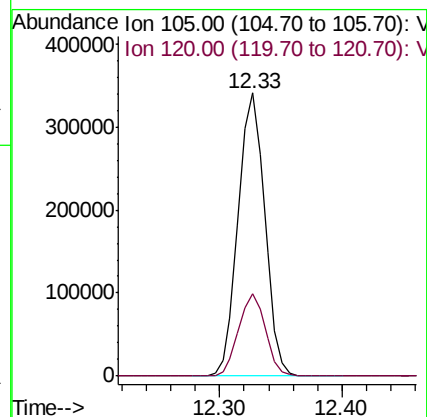
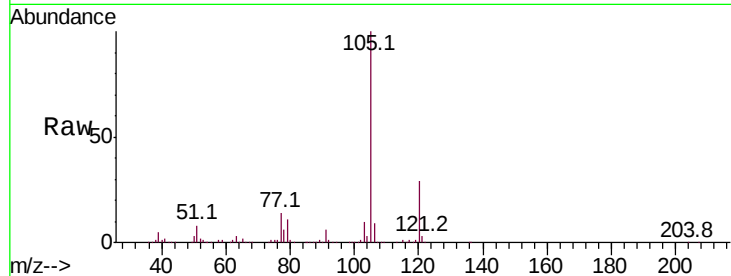
ClientSampleId :

Tot Ion:105 Resp: 513042

Ion Ratio Lower Upper

105 100

120 29.3 14.7 44.1



#74

N-ethyl acetate

Concen: 51.802 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Tgt Ion: 43 Resp: 127232

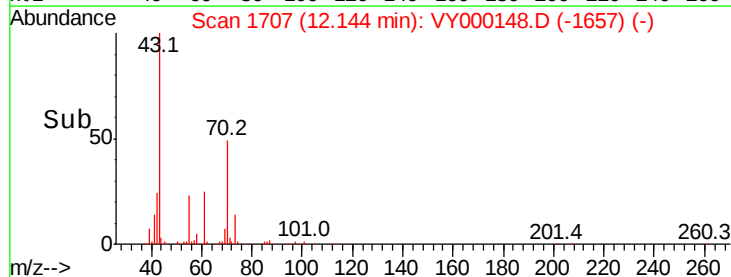
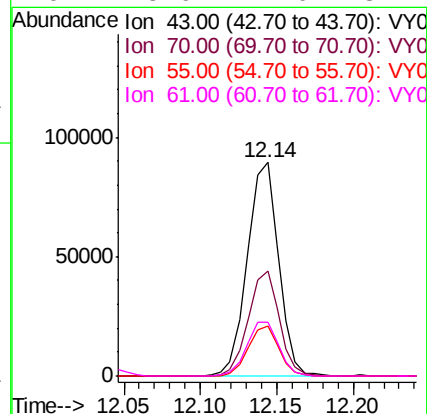
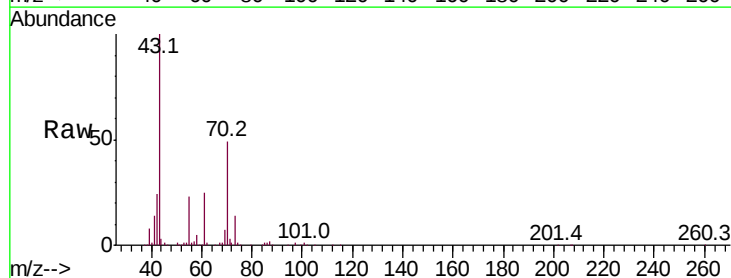
Ion Ratio Lower Upper

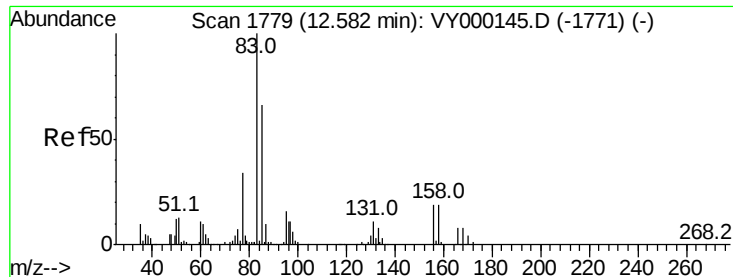
43 100

70 48.3 37.3 55.9

55 22.9 18.6 27.8

61 25.9 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.919 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

ClientSampleId :

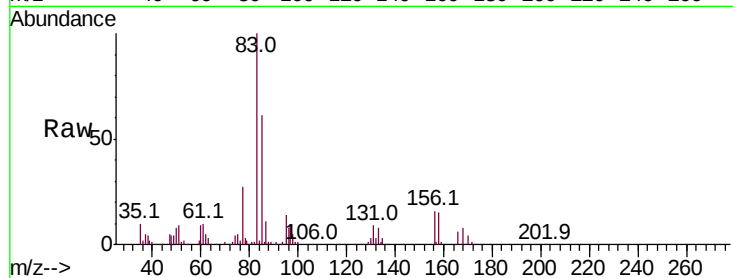
Tot Ion: 83 Resp: 82003

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

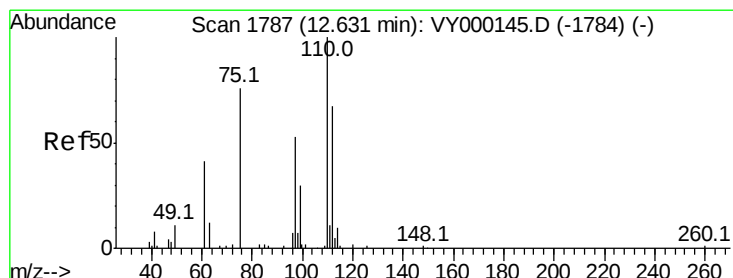
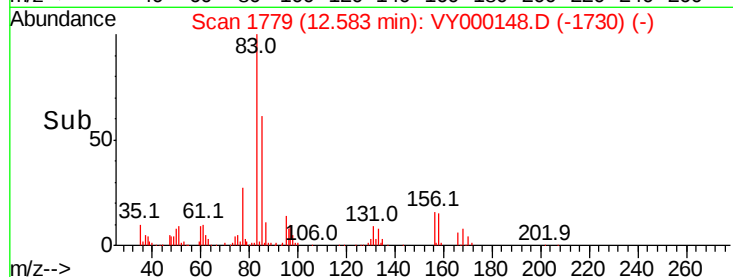
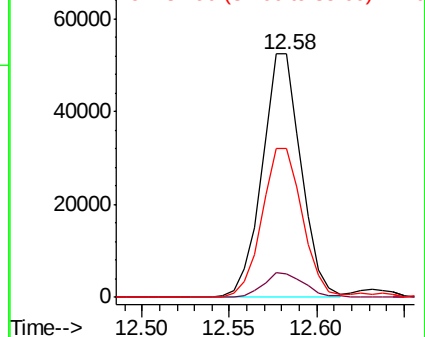
85 63.5 32.5 97.5



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: 91.859 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY000148.D

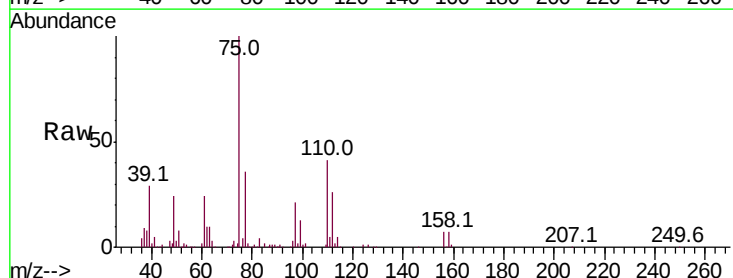
Acq: 26 Sep 2019 12:57

Tgt Ion: 75 Resp: 130019

Ion Ratio Lower Upper

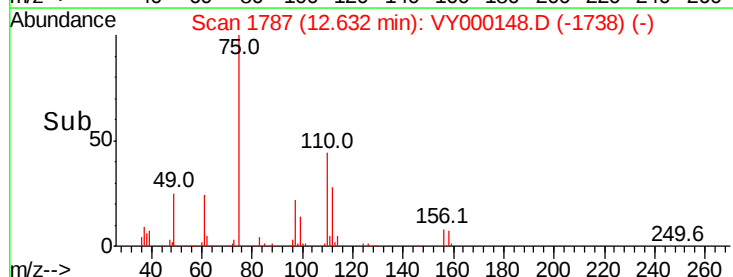
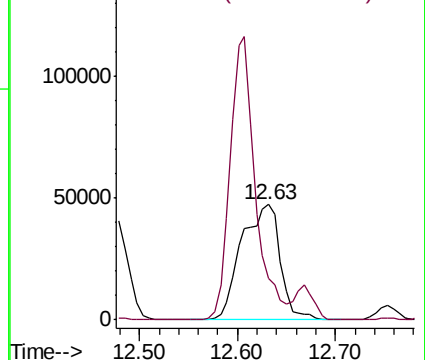
75 100

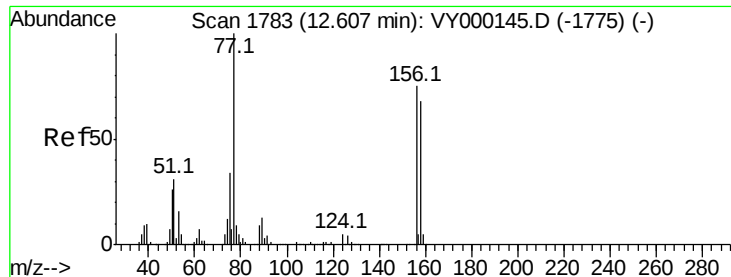
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 50.291 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

ClientSampled :

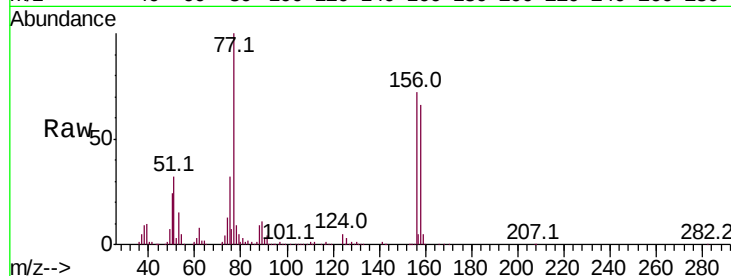
Tot Ion:156 Resp: 126065

Ion Ratio Lower Upper

156 100

77 164.2 83.0 249.2

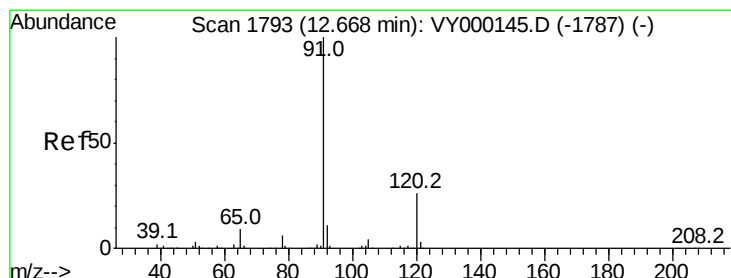
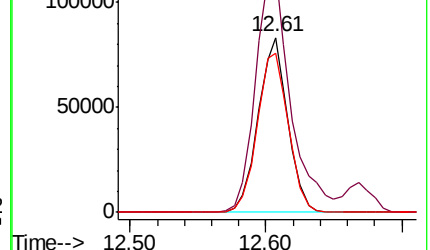
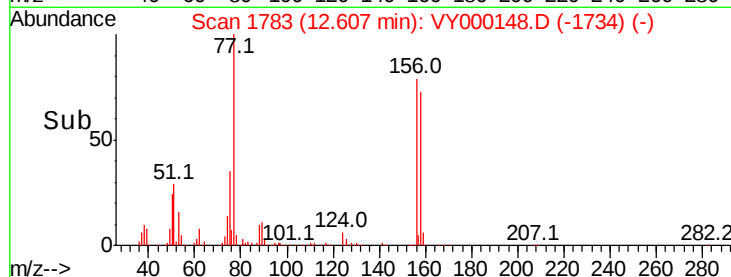
158 96.7 47.4 142.2



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: 50.219 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000148.D

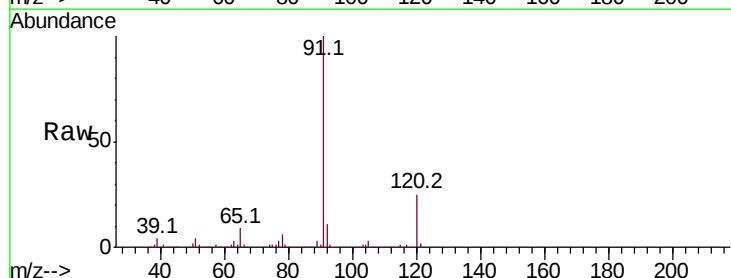
Acq: 26 Sep 2019 12:57

Tgt Ion: 91 Resp: 607452

Ion Ratio Lower Upper

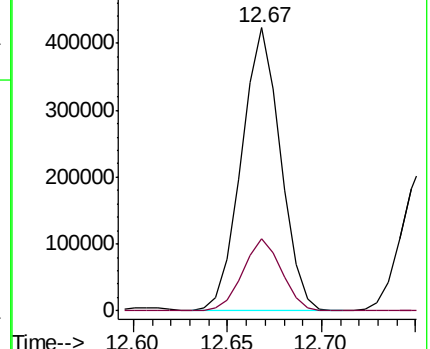
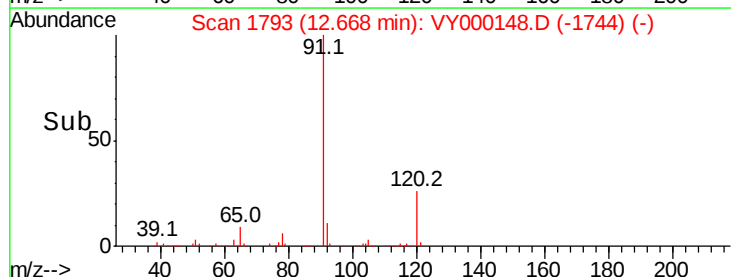
91 100

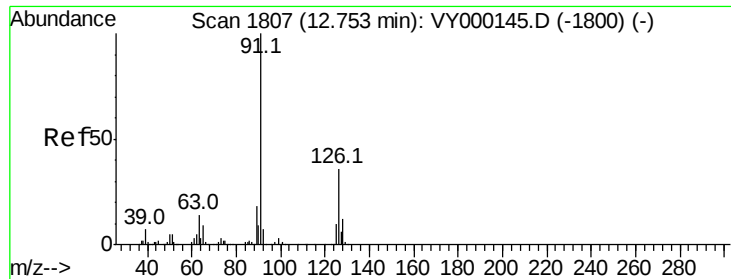
120 25.3 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

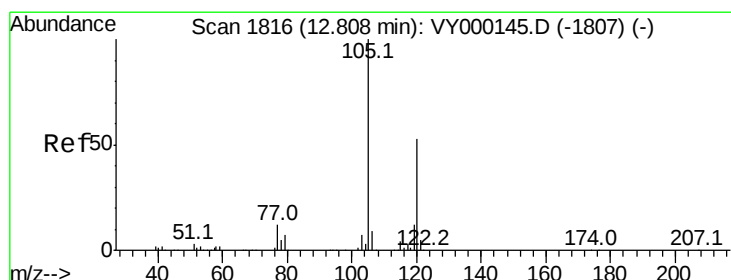
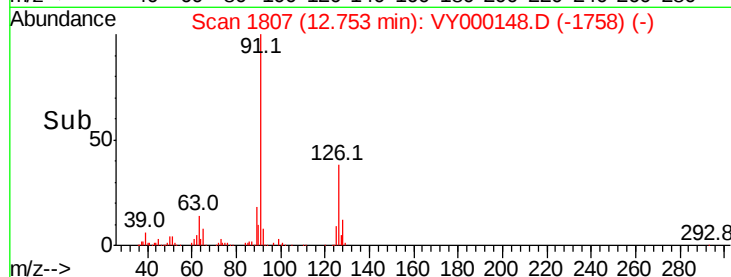
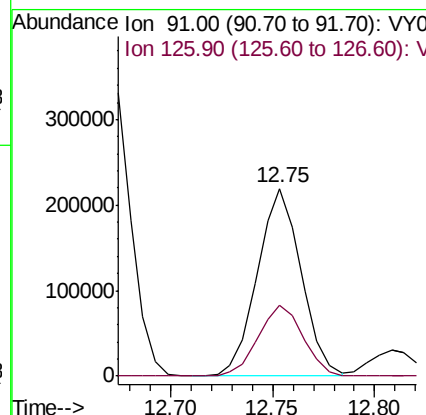
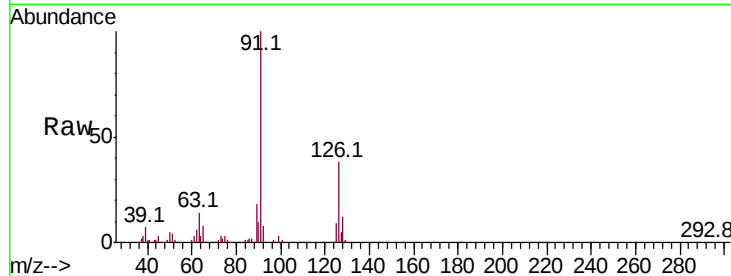




#79
 2-Chlorotoluene
 Concen: 49.733 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

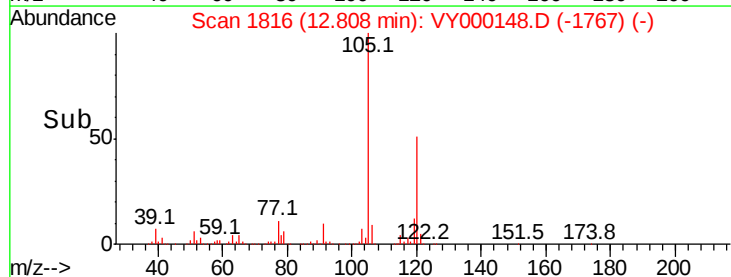
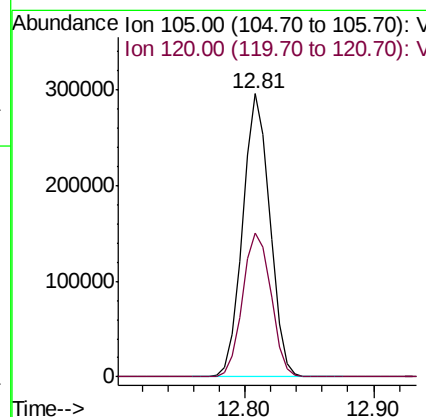
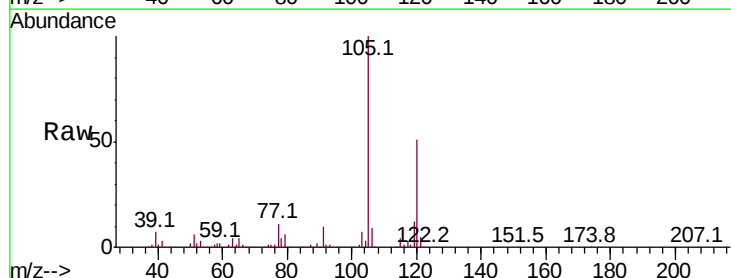
Instrument :
 MSVOA_Y
 ClientSampleId :

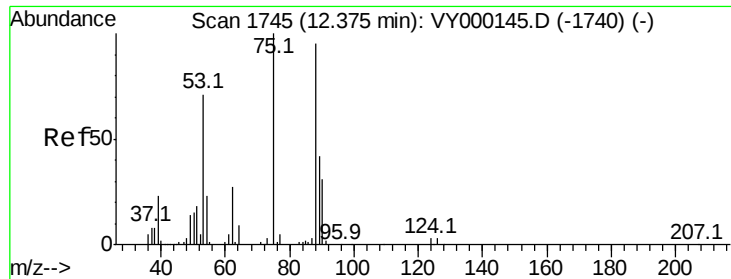
Tot Ion: 91 Resp: 327315
 Ion Ratio Lower Upper
 91 100
 126 39.0 19.1 57.5



#80
 1,3,5-Trimethylbenzene
 Concen: 50.991 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

Tgt Ion: 105 Resp: 430404
 Ion Ratio Lower Upper
 105 100
 120 53.2 26.7 80.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.811 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

ClientSampleId :

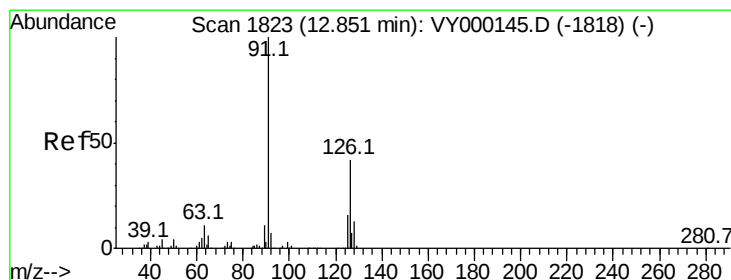
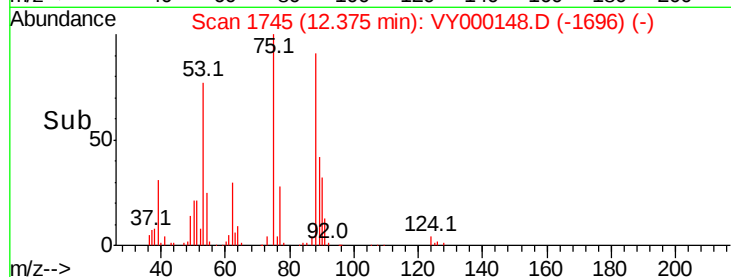
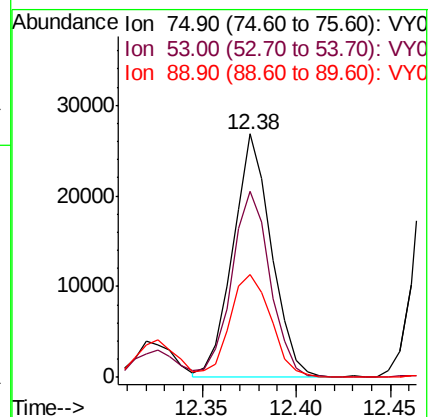
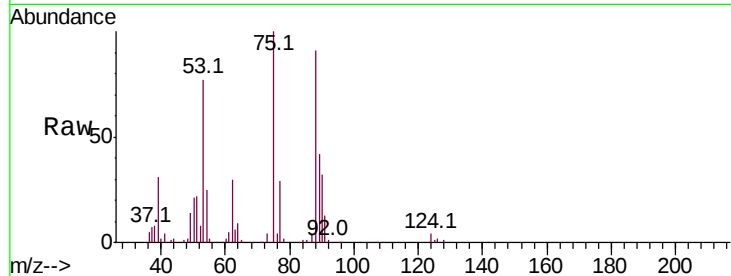
Tot Ion: 75 Resp: 37509

Ion Ratio Lower Upper

75 100

53 77.2 61.8 92.8

89 46.0 35.6 53.4



#82

4-Chlorotoluene

Concen: 50.889 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY000148.D

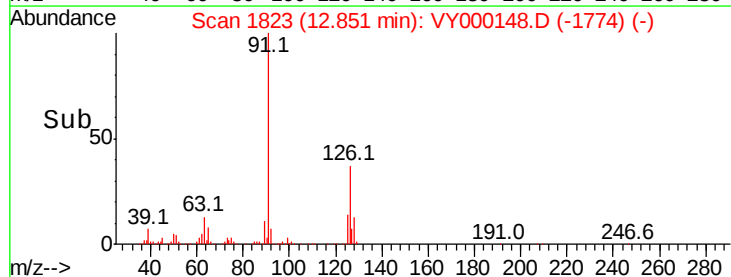
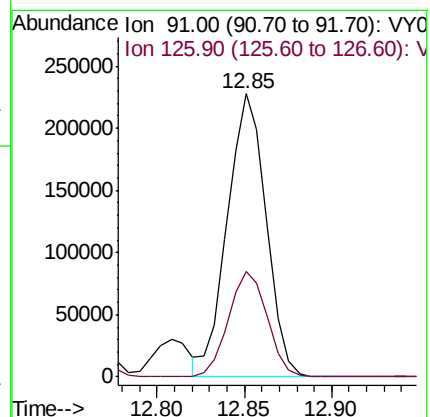
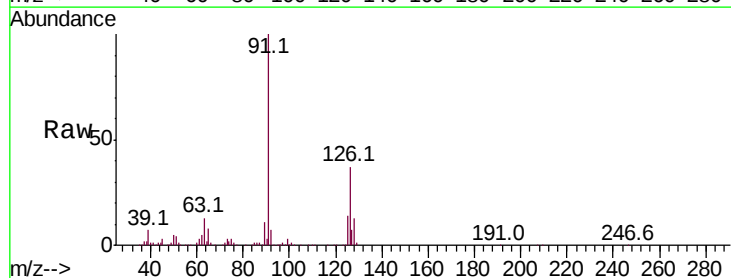
Acq: 26 Sep 2019 12:57

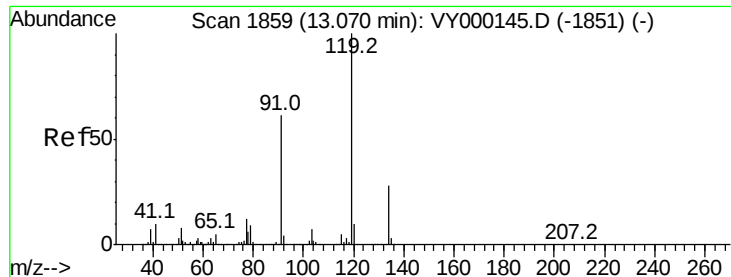
Tgt Ion: 91 Resp: 348961

Ion Ratio Lower Upper

91 100

126 37.2 19.4 58.2





#83

tert-Butylbenzene

Concen: 51.843 ug/l

RT: 13.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

ClientSampleId :

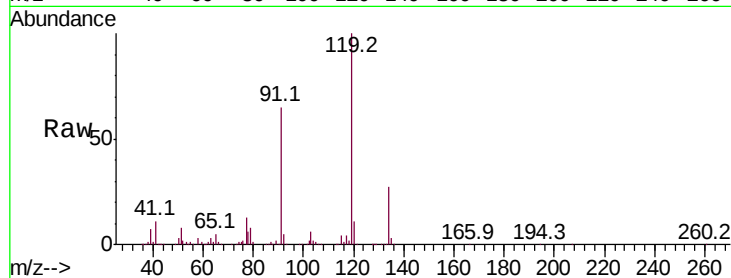
Tot Ion:119 Resp: 376838

Ion Ratio Lower Upper

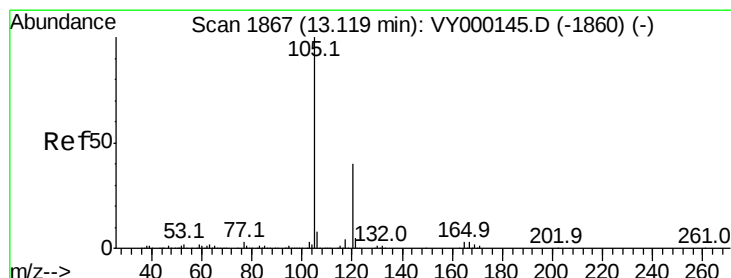
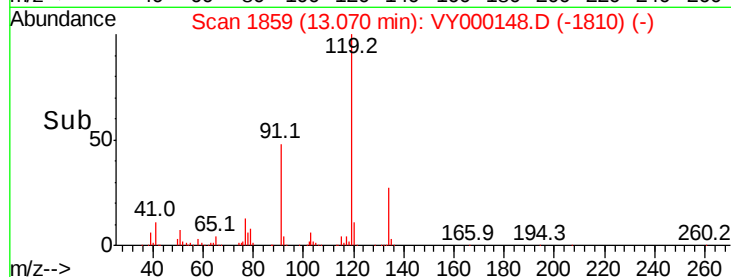
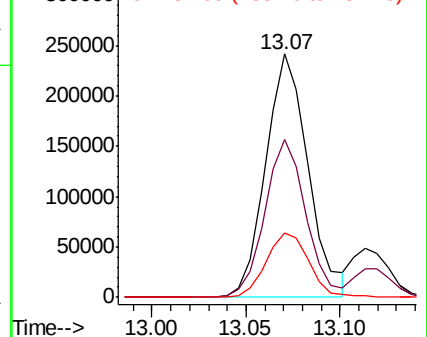
119 100

91 62.7 31.0 93.0

134 27.0 14.0 41.9



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



#84

1,2,4-Trimethylbenzene

Concen: 49.950 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY000148.D

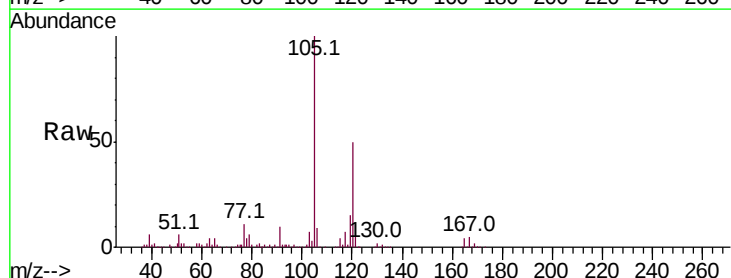
Acq: 26 Sep 2019 12:57

Tgt Ion:105 Resp: 426083

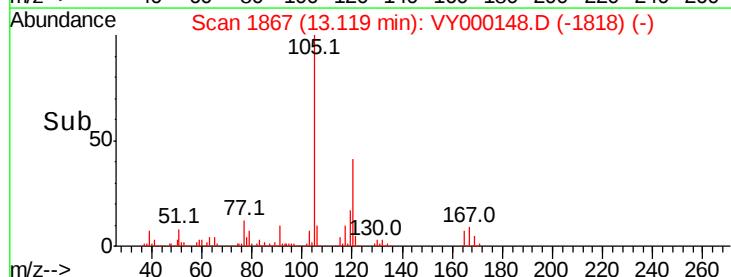
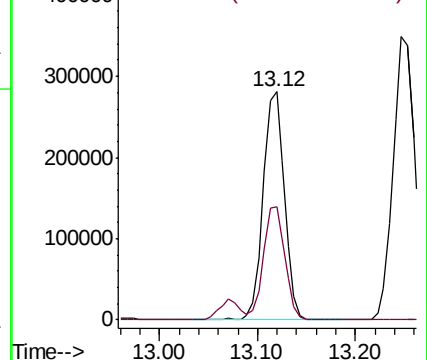
Ion Ratio Lower Upper

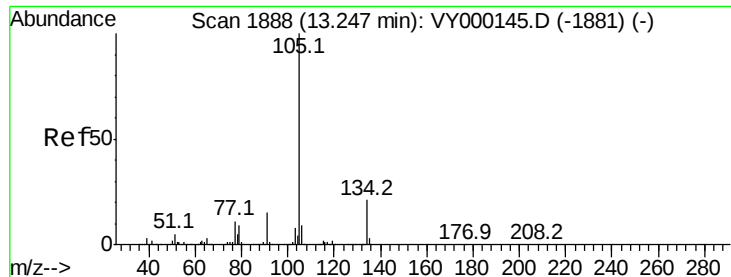
105 100

120 50.0 24.6 73.8



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





#85

sec-Butylbenzene

Concen: 51.296 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

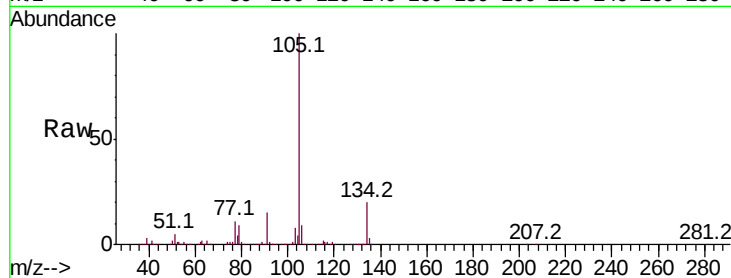
ClientSampleId :

Tot Ion:105 Resp: 535323

Ion Ratio Lower Upper

105 100

134 21.2 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

400000

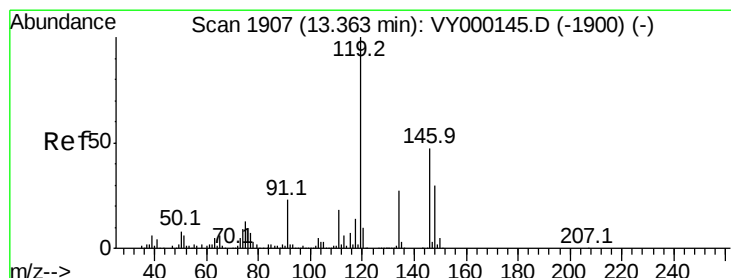
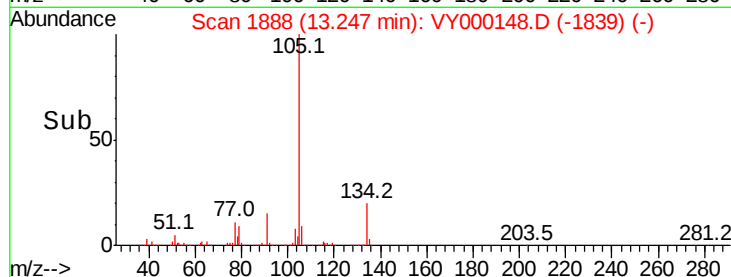
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.570 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

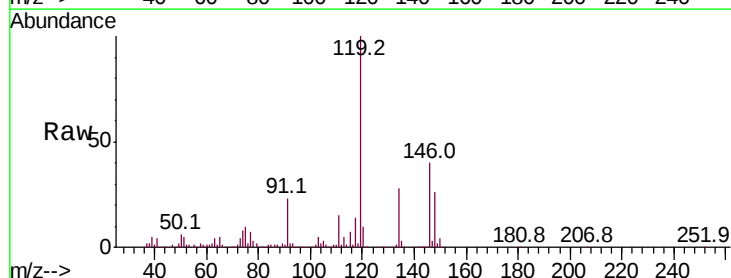
Tgt Ion:119 Resp: 479267

Ion Ratio Lower Upper

119 100

134 28.4 14.3 42.9

91 22.6 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

400000

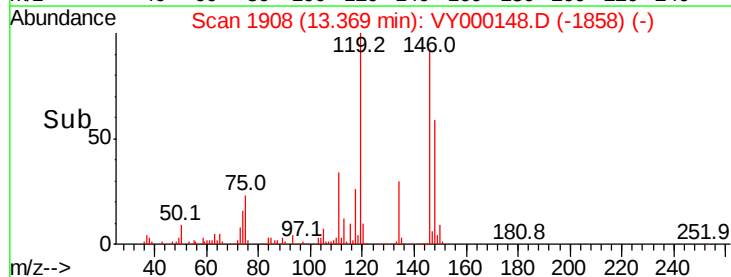
300000

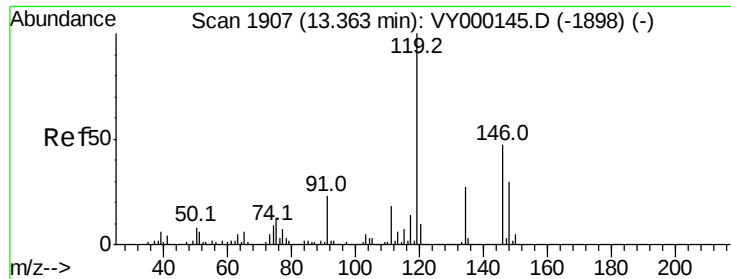
200000

100000

0

Time-->

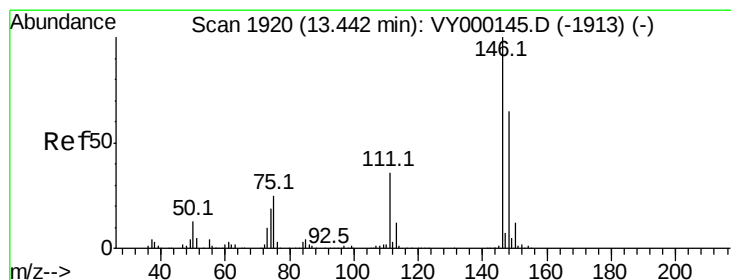
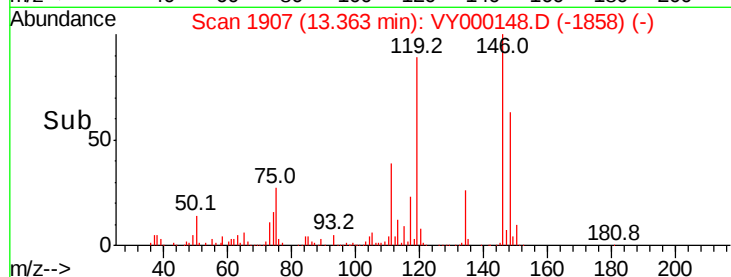
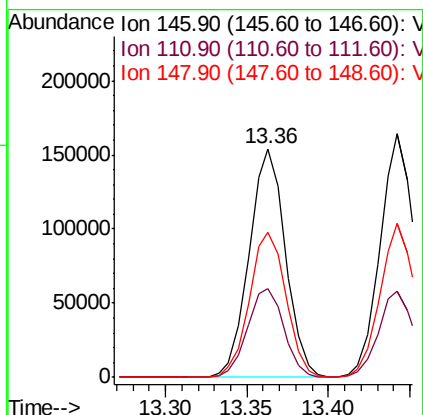
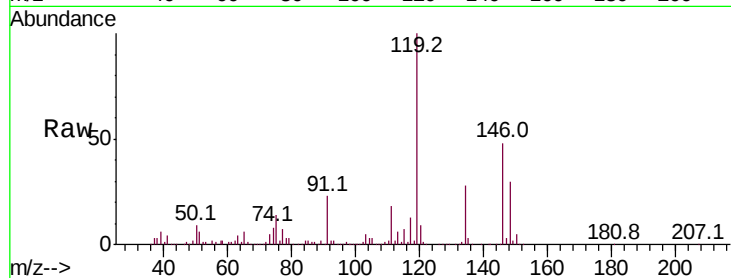




#87
 1,3-Dichlorobenzene
 Concen: 49.522 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

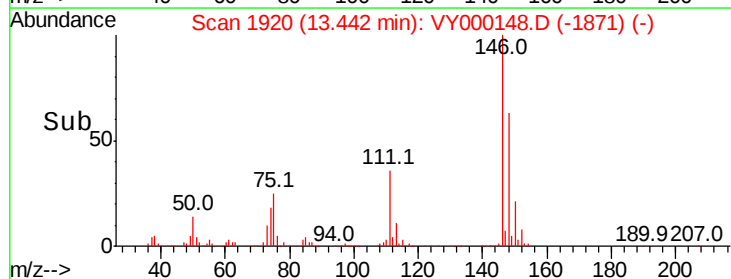
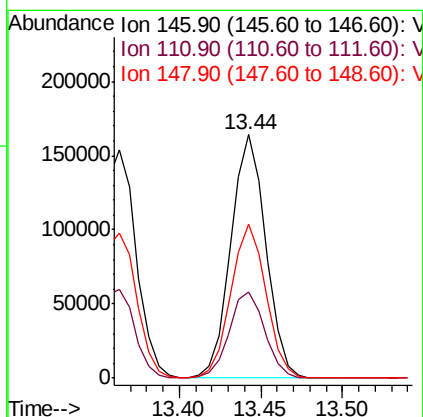
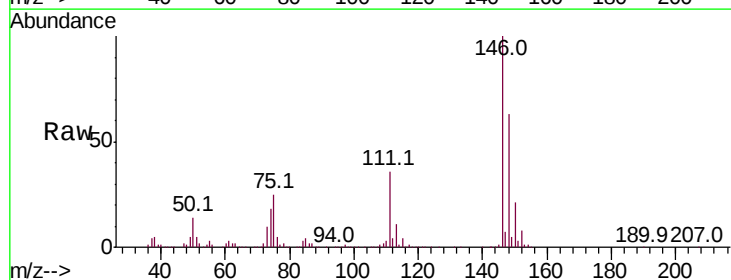
Instrument :
 MSVOA_Y
 ClientSampleId :

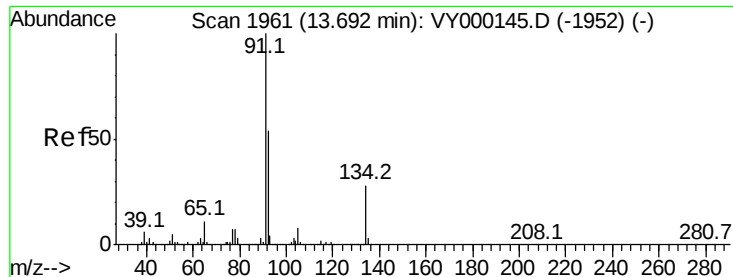
Tot Ion:146 Resp: 237854
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.0 57.0
 148 64.1 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 51.146 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

Tgt Ion:146 Resp: 244533
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.3 54.9
 148 63.6 31.9 95.7





#89

n-Butylbenzene

Concen: 51.795 ug/l

RT: 13.69 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

ClientSampleId :

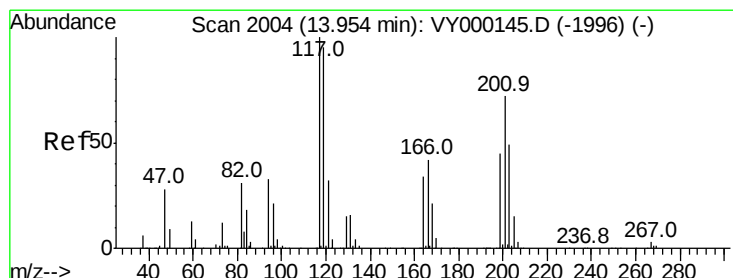
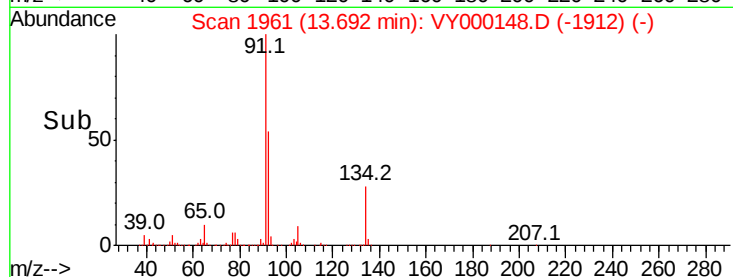
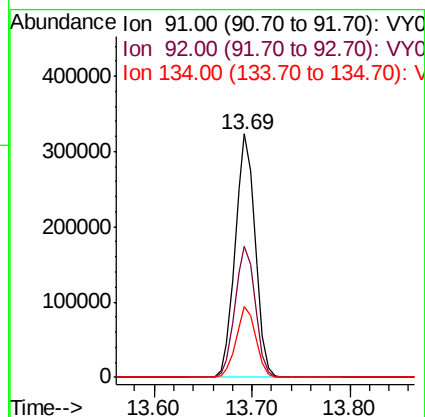
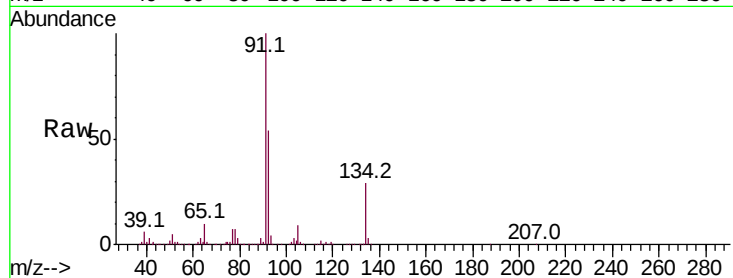
Tot Ion: 91 Resp: 457451

Ion Ratio Lower Upper

91 100

92 54.8 26.8 80.4

134 28.8 14.4 43.2



#90

Hexachloroethane

Concen: 50.814 ug/l

RT: 13.95 min Scan# 2004

Delta R.T. 0.00 min

Lab File: VY000148.D

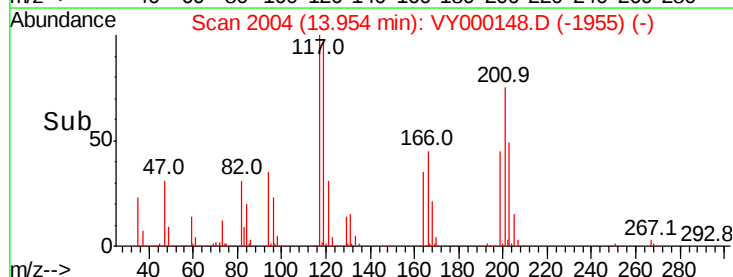
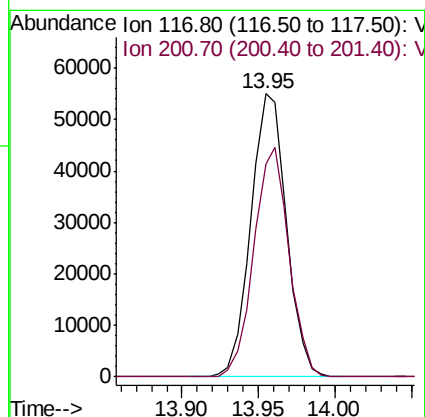
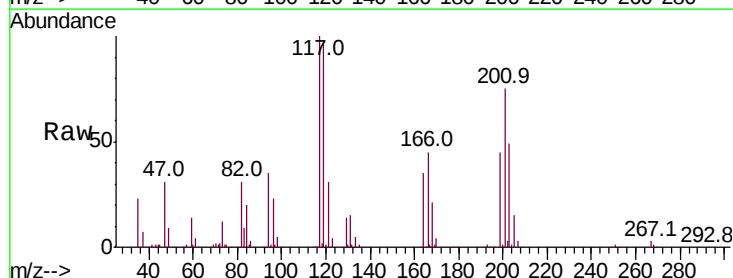
Acq: 26 Sep 2019 12:57

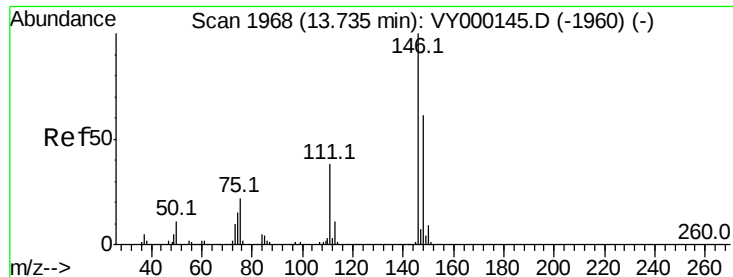
Tgt Ion: 117 Resp: 89217

Ion Ratio Lower Upper

117 100

201 79.8 38.6 115.8





#91

1,2-Dichlorobenzene

Concen: 51.031 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

Instrument :

MSVOA_Y

ClientSampled :

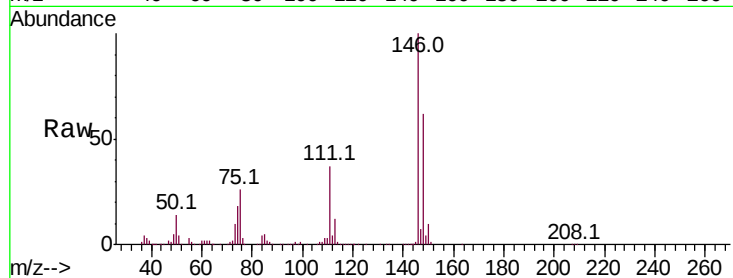
Tot Ion:146 Resp: 223941

Ion Ratio Lower Upper

146 100

111 37.2 19.2 57.6

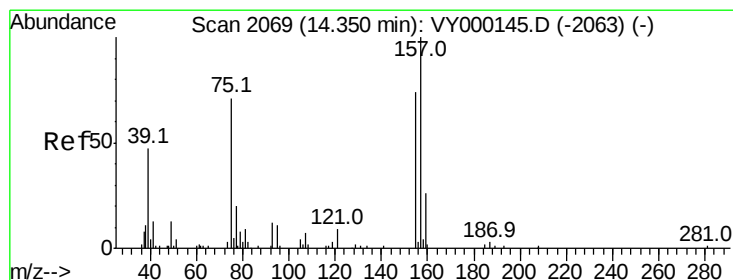
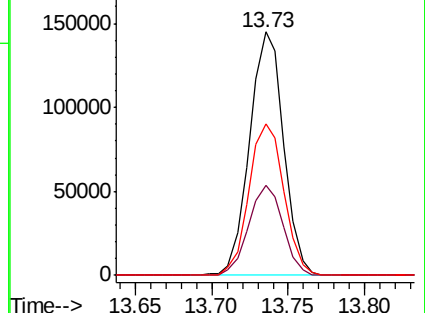
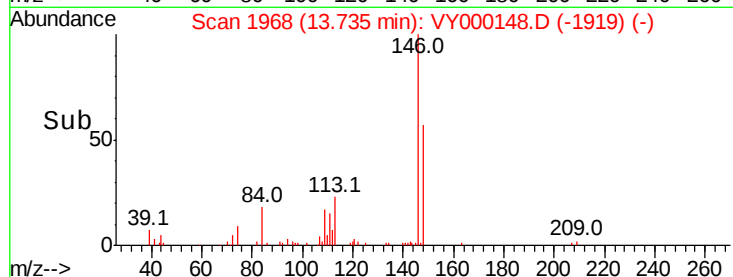
148 64.0 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.736 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VY000148.D

Acq: 26 Sep 2019 12:57

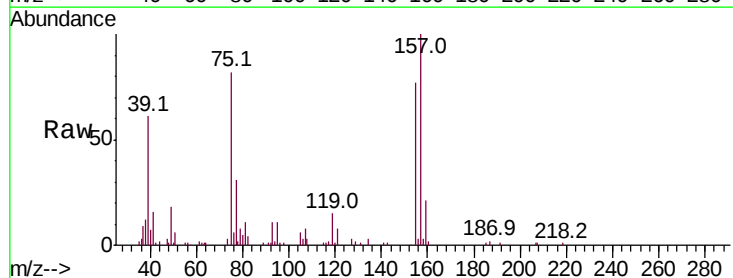
Tgt Ion: 75 Resp: 16123

Ion Ratio Lower Upper

75 100

155 101.7 51.3 153.9

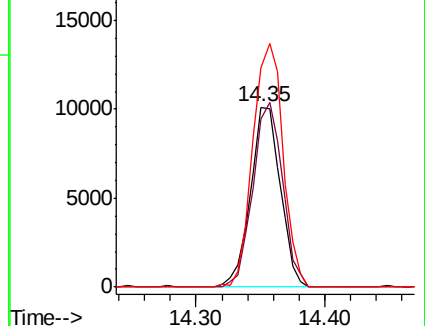
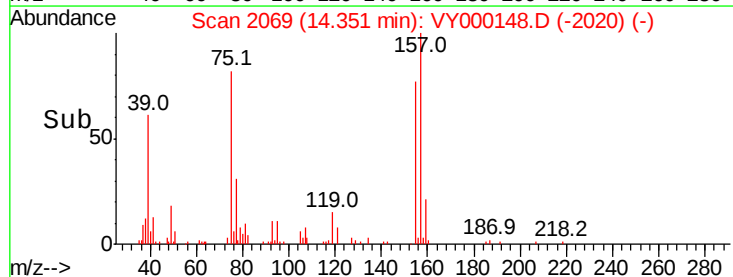
157 136.6 67.3 201.8

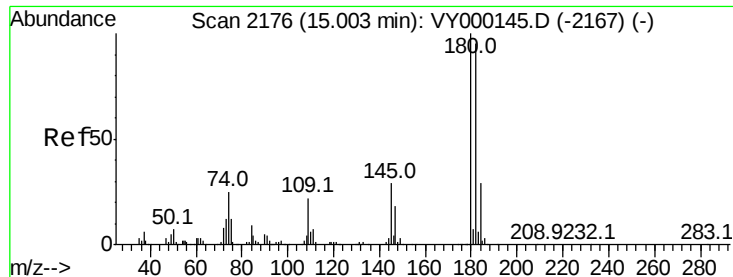


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

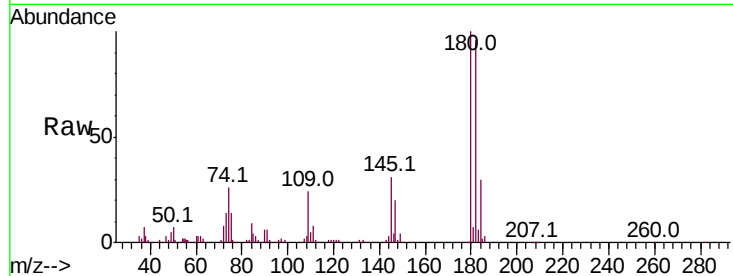




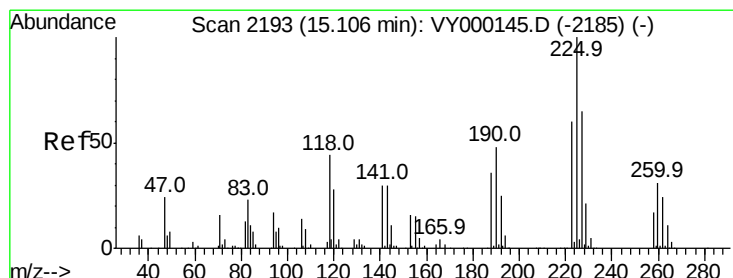
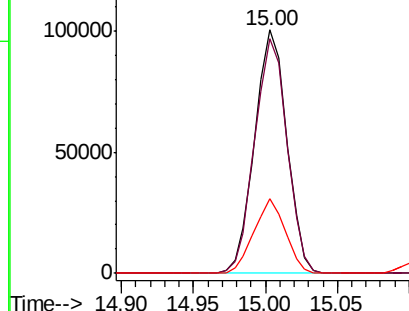
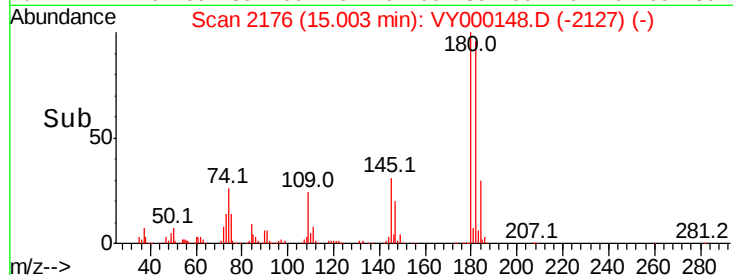
#93
 1,2,4-Trichlorobenzene
 Concen: 50.964 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.0	141.2
145	30.2	14.6	44.0

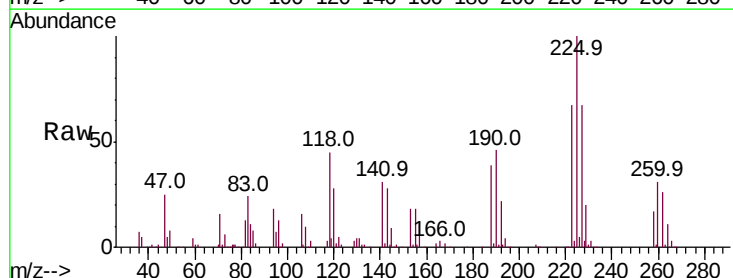


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

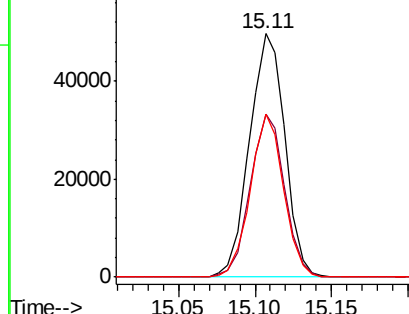
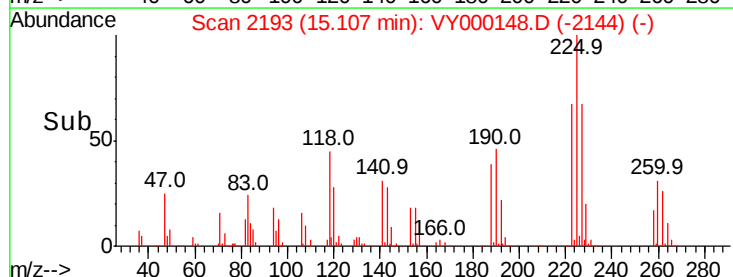


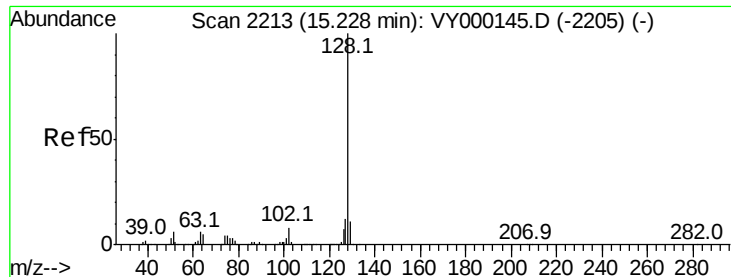
#94
 Hexachlorobutadiene
 Concen: 53.793 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000148.D
 Acq: 26 Sep 2019 12:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.5	94.5
227	62.7	32.4	97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

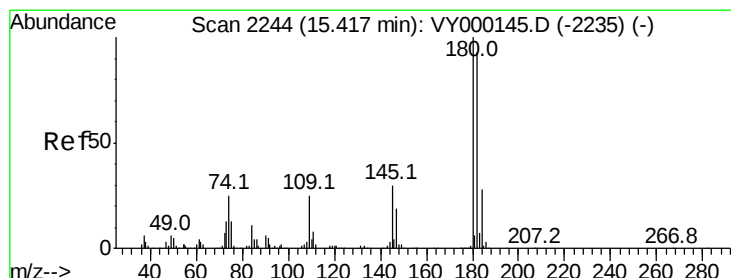
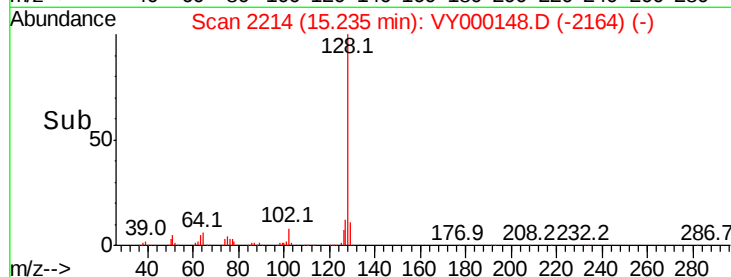
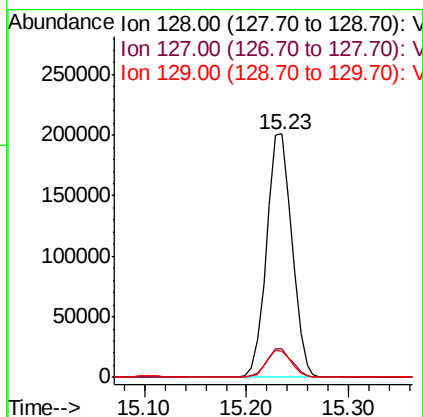
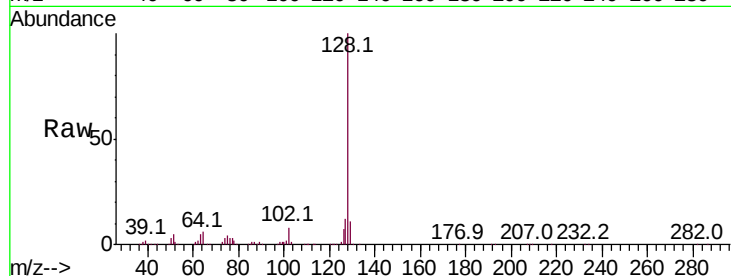




#95
Naphthalene
Concen: 50.760 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 346062
Ion Ratio Lower Upper
128 100
127 11.8 9.5 14.3
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.185 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000148.D
Acq: 26 Sep 2019 12:57

Tgt Ion:180 Resp: 139770
Ion Ratio Lower Upper
180 100
182 94.8 46.6 139.7
145 31.2 15.4 46.4

