

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021020\
 Data File : VY001578.D
 Acq On : 10 Feb 2020 11:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 11 05:56:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	208768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	360933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	329920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	155825	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	109695	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
35) Dibromofluoromethane	7.74	113	103391	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	10.19	98	434970	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
62) 4-Bromofluorobenzene	12.49	95	159982	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	89051	43.576	ug/l	94
3) Chloromethane	2.13	50	115571	54.109	ug/l	99
4) Vinyl Chloride	2.26	62	119571	53.915	ug/l	99
5) Bromomethane	2.66	94	76913	55.144	ug/l	96
6) Chloroethane	2.81	64	75205	56.257	ug/l	98
7) Trichlorofluoromethane	3.15	101	158017	43.044	ug/l	99
8) Diethyl Ether	3.55	74	60513	48.848	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.92	101	102333	46.330	ug/l	99
10) Methyl Iodide	4.11	142	128698	45.728	ug/l	99
11) Tert butyl alcohol	4.98	59	55095	230.438	ug/l #	86
12) 1,1-Dichloroethene	3.90	96	99888	45.509	ug/l	97
13) Acrolein	3.75	56	58656	294.703	ug/l	99
14) Allyl chloride	4.50	41	180326	53.705	ug/l	95
15) Acrylonitrile	5.19	53	159756	281.306	ug/l	98
16) Acetone	3.97	43	174601	287.161	ug/l	98
17) Carbon Disulfide	4.22	76	332035	47.519	ug/l	99
18) Methyl Acetate	4.50	43	70830	54.589	ug/l	95
19) Methyl tert-butyl Ether	5.25	73	278679	47.743	ug/l	98
20) Methylene Chloride	4.74	84	116116	48.645	ug/l	90
21) trans-1,2-Dichloroethene	5.25	96	114545	46.944	ug/l	96
22) Diisopropyl ether	6.14	45	371106	55.786	ug/l	97
23) Vinyl Acetate	6.09	43	1216698	287.307	ug/l	95
24) 1,1-Dichloroethane	6.05	63	198915	49.712	ug/l	99
25) 2-Butanone	7.01	43	237883	301.569	ug/l	94
26) 2,2-Dichloropropane	7.00	77	176872	46.186	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	126615	47.509	ug/l	96
28) Bromochloromethane	7.36	49	91118	66.845	ug/l	89
29) Tetrahydrofuran	7.37	42	141441	299.161	ug/l	93
30) Chloroform	7.53	83	190201	46.927	ug/l	97
31) Cyclohexane	7.80	56	204466	49.954	ug/l	95
32) 1,1,1-Trichloroethane	7.72	97	168012	45.721	ug/l	96
36) 1,1-Dichloropropene	7.94	75	160956	48.747	ug/l	99
37) Ethyl Acetate	7.10	43	92774	58.041	ug/l	95
38) Carbon Tetrachloride	7.92	117	147031	46.025	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	214937	49.438	ug/l	99
40) Benzene	8.18	78	470161	49.922	ug/l	98
41) Methacrylonitrile	7.36	41	126486	170.739	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	126658	48.272	ug/l	100
43) Isopropyl Acetate	8.29	43	180547	57.049	ug/l	95
44) Trichloroethene	8.96	130	120497	47.466	ug/l	99
45) 1,2-Dichloropropane	9.23	63	118195	51.972	ug/l	99
46) Dibromomethane	9.32	93	61820	48.409	ug/l	100
47) Bromodichloromethane	9.51	83	149438	48.028	ug/l	99
48) Methyl methacrylate	9.30	41	81443	56.700	ug/l	93
49) 1,4-Dioxane	9.31	88	17132	1015.830	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	464722	298.174	ug/l	96
52) Toluene	10.25	92	299078	50.049	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	168919	49.843	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	191092	49.115	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	91890	50.153	ug/l	98
56) Ethyl methacrylate	10.52	69	141073	54.134	ug/l	96
57) 1,3-Dichloropropane	10.80	76	163122	50.506	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	277773	289.743	ug/l	95
59) 2-Hexanone	10.84	43	347880	306.986	ug/l	98
60) Dibromochloromethane	10.99	129	103736	48.032	ug/l	100
61) 1,2-Dibromoethane	11.10	107	87949	48.735	ug/l	99
64) Tetrachloroethene	10.73	164	98377	45.468	ug/l	98
65) Chlorobenzene	11.52	112	305645	47.182	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	104862	46.251	ug/l	99
67) Ethyl Benzene	11.60	91	575108	48.016	ug/l	99
68) m/p-Xylenes	11.71	106	431976	96.071	ug/l	98
69) o-Xylene	12.03	106	203569	48.017	ug/l	99
70) Styrene	12.05	104	359143	48.987	ug/l	98
71) Bromoform	12.21	173	61346	48.593	ug/l #	99
73) Isopropylbenzene	12.34	105	556064	46.789	ug/l	100
74) N-amyl acetate	12.15	43	173243	56.098	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	117928	52.228	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	154162	91.996	ug/l #	100
77) Bromobenzene	12.61	156	118676	46.143	ug/l	94
78) n-propylbenzene	12.67	91	682872	47.996	ug/l	100
79) 2-Chlorotoluene	12.77	91	378269	46.642	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	466546	46.614	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	44464	51.342	ug/l	97
82) 4-Chlorotoluene	12.86	91	400793	47.135	ug/l	100
83) tert-Butylbenzene	13.08	119	392934	46.445	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	458413	46.276	ug/l	100
85) sec-Butylbenzene	13.26	105	573437	48.209	ug/l	100
86) p-Isopropyltoluene	13.38	119	499882	47.690	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	231453	46.958	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	230944	46.769	ug/l	100
89) n-Butylbenzene	13.70	91	507552	49.076	ug/l	100
90) Hexachloroethane	13.97	117	94233	46.839	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	213300	47.753	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	19551	46.903	ug/l	98

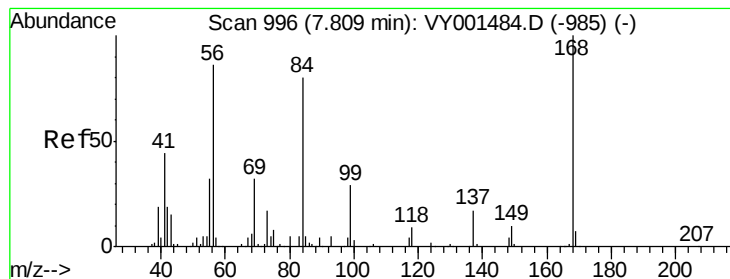
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	138466	46.001	ug/l	98
94) Hexachlorobutadiene	15.12	225	67629	44.268	ug/l	99
95) Naphthalene	15.24	128	323097	45.672	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	123799	46.592	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

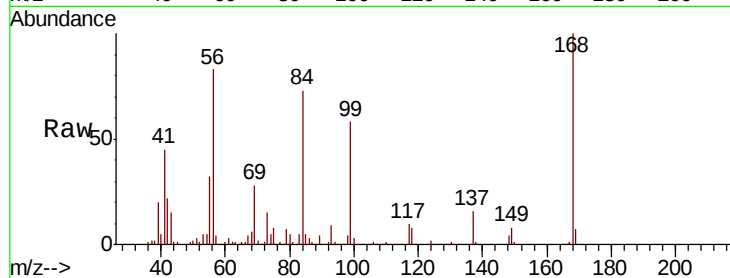
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 208768

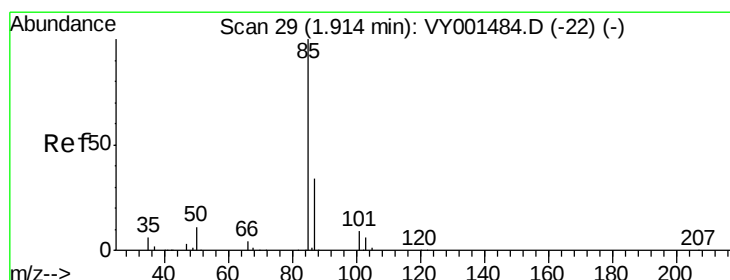
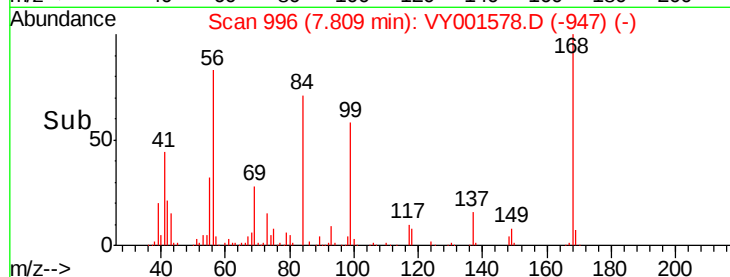
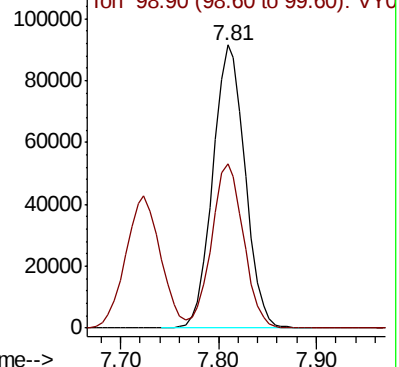
Ion Ratio Lower Upper

168 100

99 57.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001578.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: 43.576 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001578.D

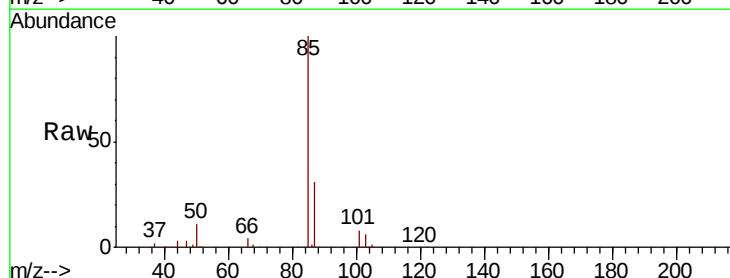
Acq: 10 Feb 2020 11:56

Tgt Ion: 85 Resp: 89051

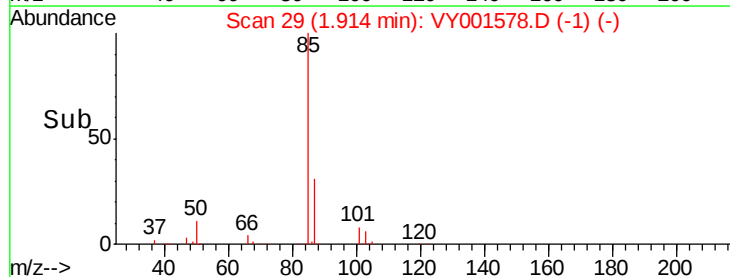
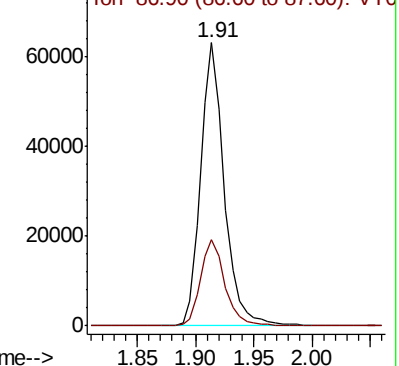
Ion Ratio Lower Upper

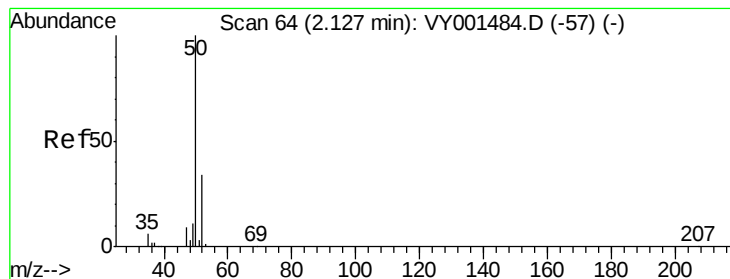
85 100

87 30.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001578.D (-1) (-)





#3

Chloromethane

Concen: 54.109 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

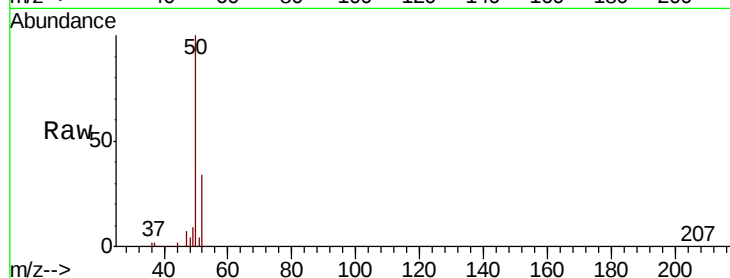
ClientSampleId :

Tot Ion: 50 Resp: 115571

Ion Ratio Lower Upper

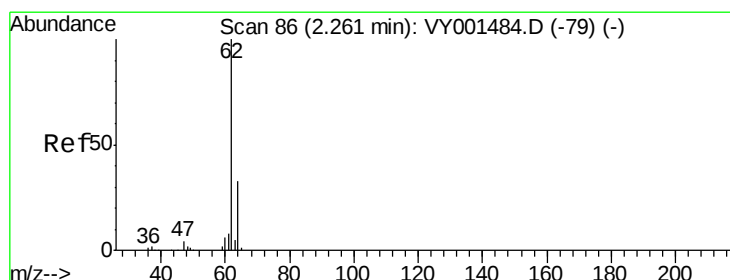
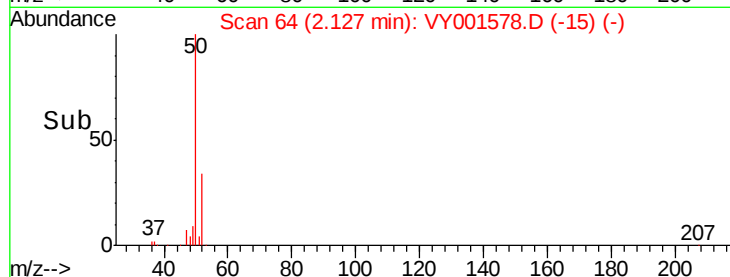
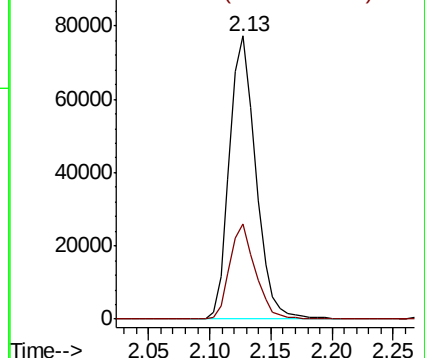
50 100

52 33.6 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 53.915 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001578.D

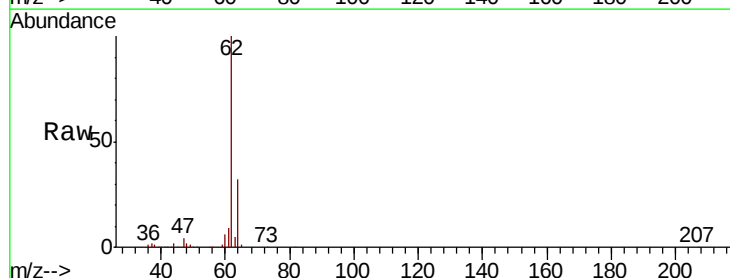
Acq: 10 Feb 2020 11:56

Tgt Ion: 62 Resp: 119571

Ion Ratio Lower Upper

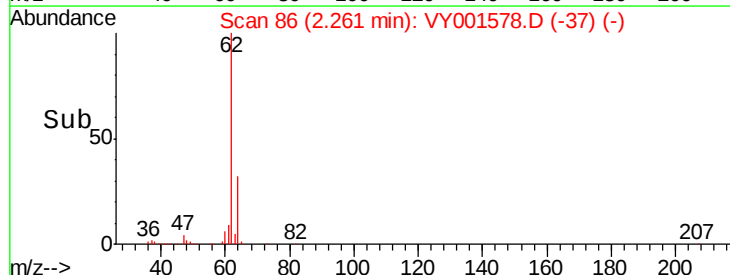
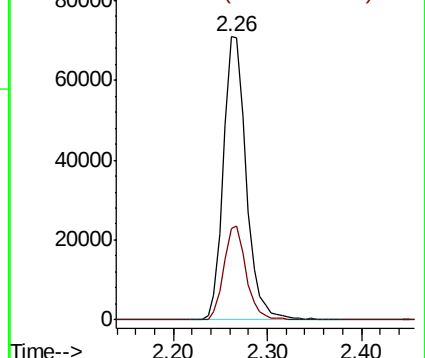
62 100

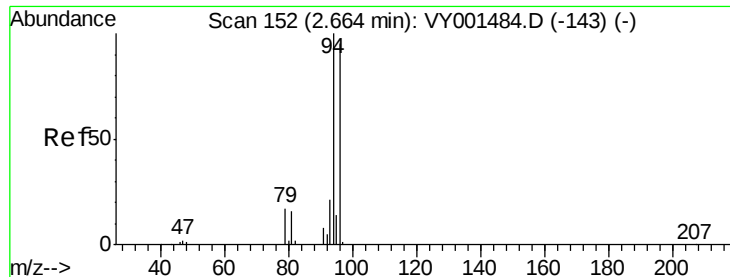
64 32.4 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 55.144 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

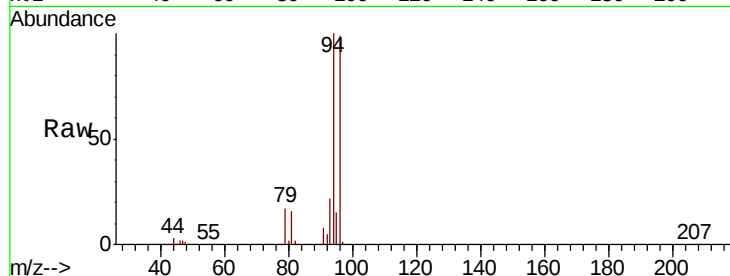
ClientSampleId :

Tot Ion: 94 Resp: 76913

Ion Ratio Lower Upper

94 100

96 99.4 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VY001578.D (-103) (-)

Ion 95.90 (95.60 to 96.60): VY001578.D (-103) (-)

2.66

40000

30000

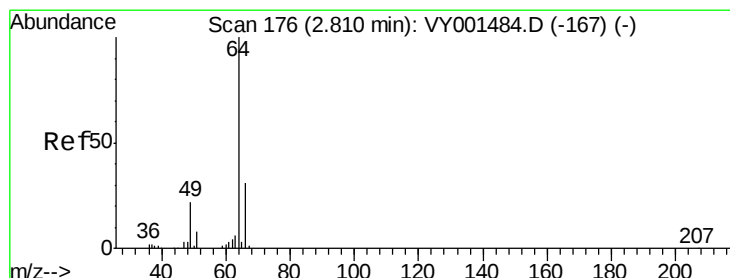
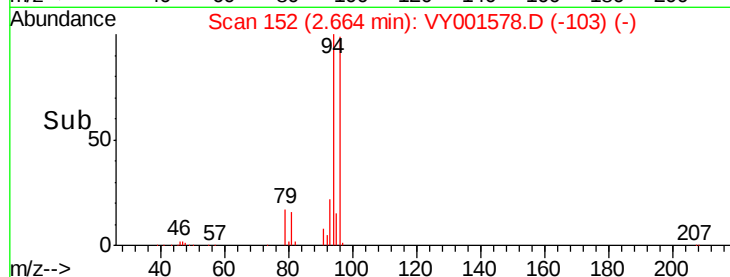
20000

10000

0

2.60 2.70 2.80

Time-->



#6

Chloroethane

Concen: 56.257 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001578.D

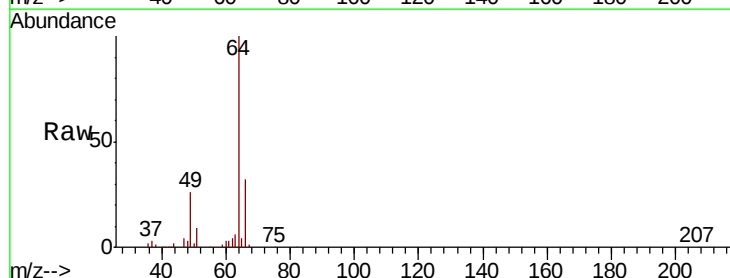
Acq: 10 Feb 2020 11:56

Tgt Ion: 64 Resp: 75205

Ion Ratio Lower Upper

64 100

66 31.7 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY001578.D (-127) (-)

Ion 65.90 (65.60 to 66.60): VY001578.D (-127) (-)

2.81

40000

30000

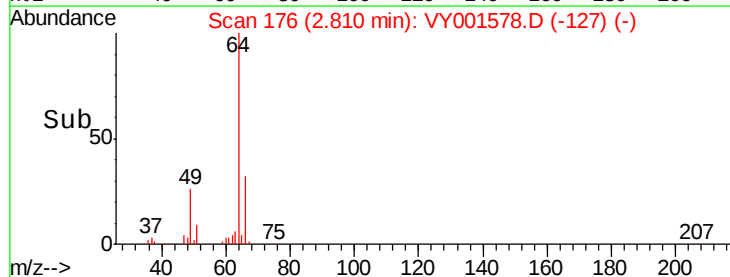
20000

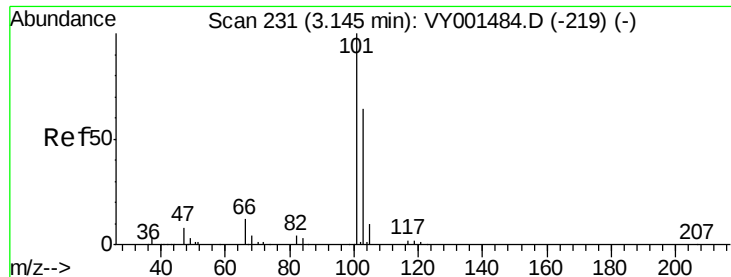
10000

0

2.70 2.80 2.90

Time-->



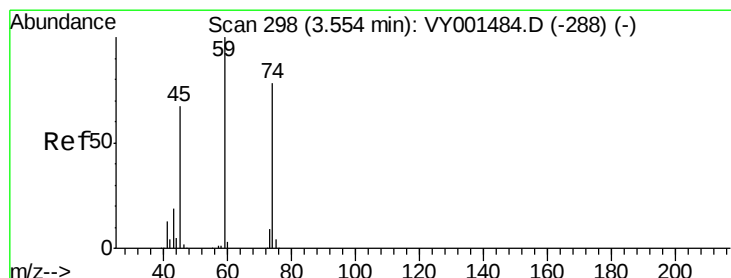
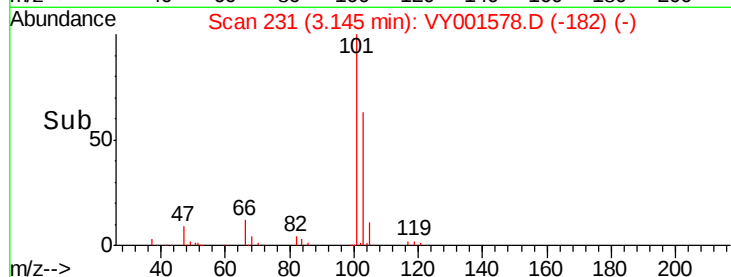
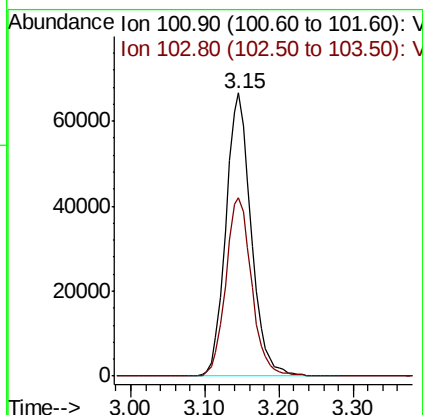
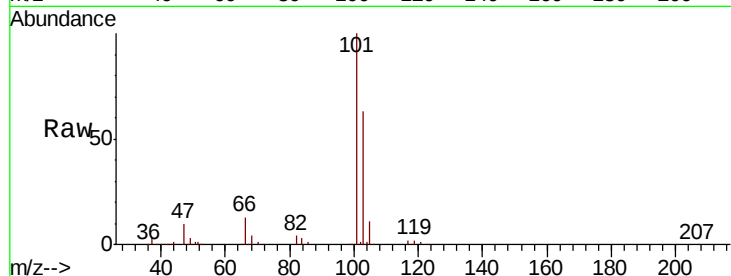


#7

Trichlorofluoromethane
Concen: 43.044 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :

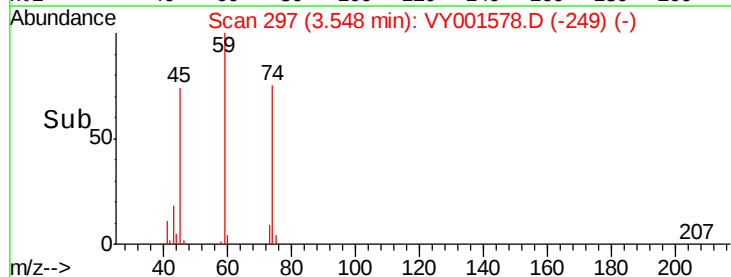
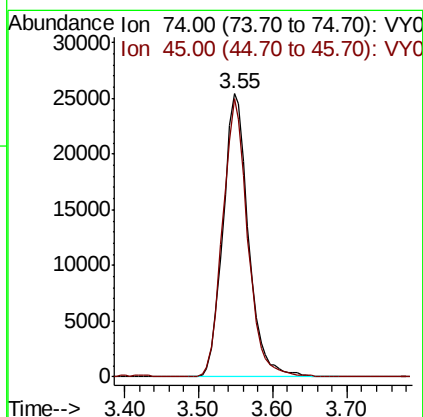
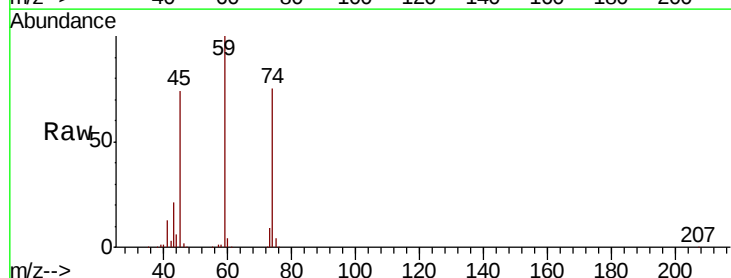
Tot Ion:101 Resp: 158017
Ion Ratio Lower Upper
101 100
103 63.2 50.9 76.3

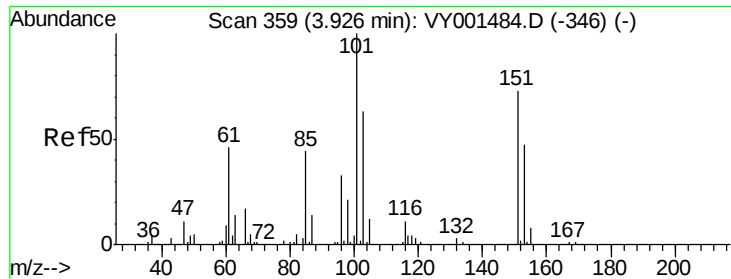


#8

Diethyl Ether
Concen: 48.848 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion: 74 Resp: 60513
Ion Ratio Lower Upper
74 100
45 96.9 44.5 133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.330 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

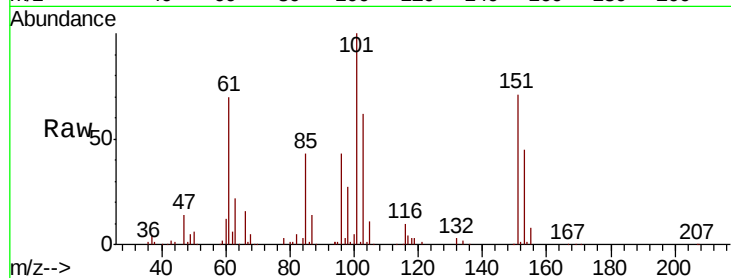
Tot Ion:101 Resp: 102333

Ion Ratio Lower Upper

101 100

85 43.8 34.6 51.8

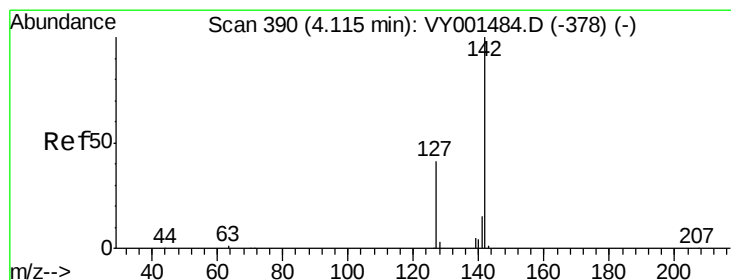
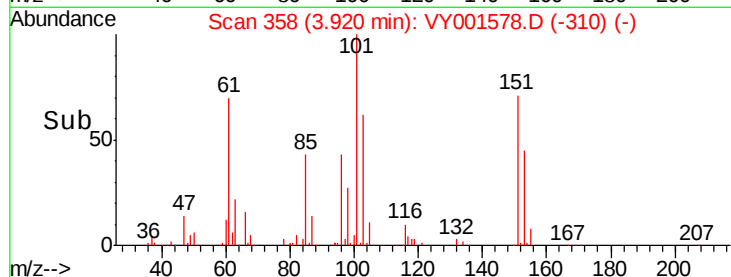
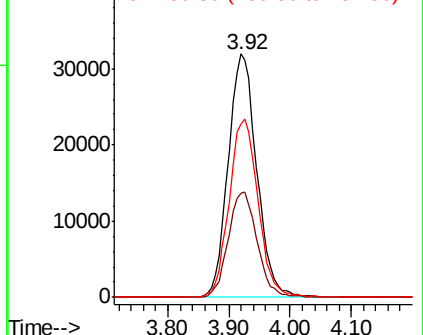
151 74.2 60.3 90.5



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: 45.728 ug/l

RT: 4.11 min Scan# 390

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

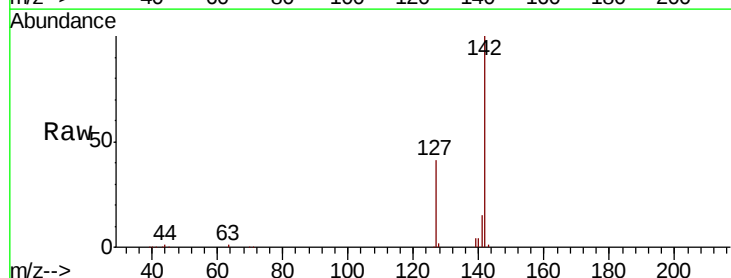
Tgt Ion:142 Resp: 128698

Ion Ratio Lower Upper

142 100

127 40.5 33.3 49.9

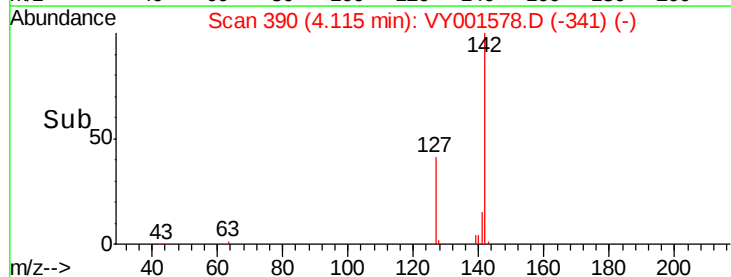
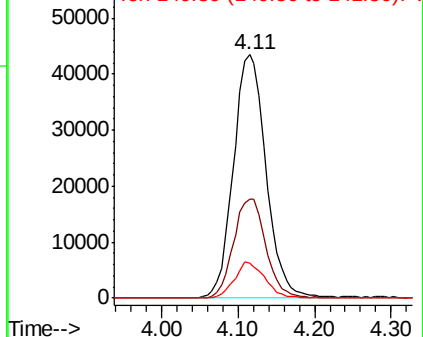
141 14.0 11.5 17.3

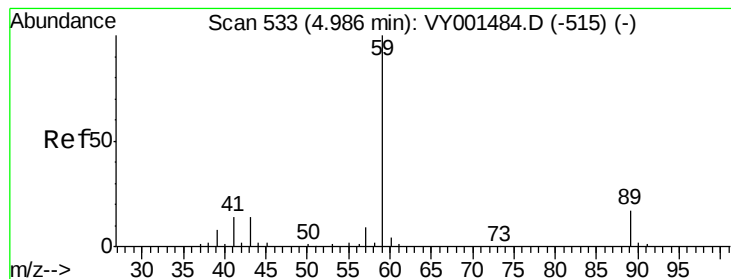


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



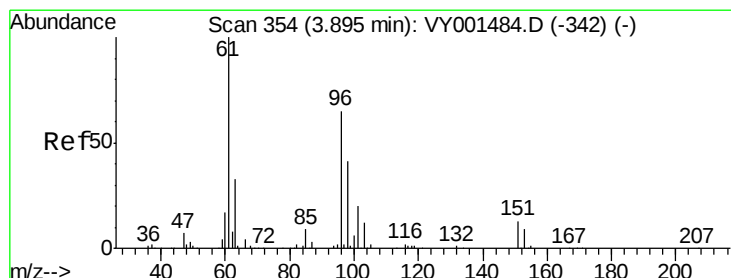
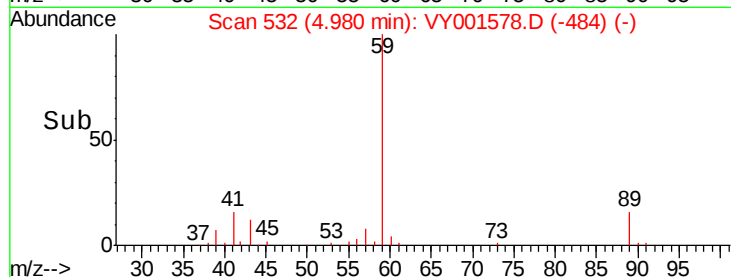
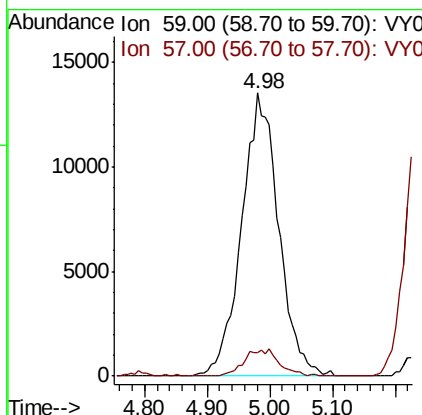
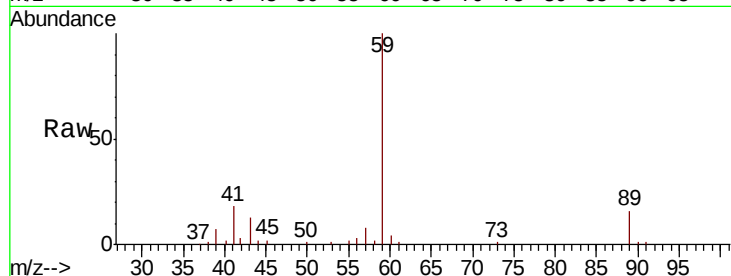


#11

Tert butyl alcohol
 Concen: 230.438 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :

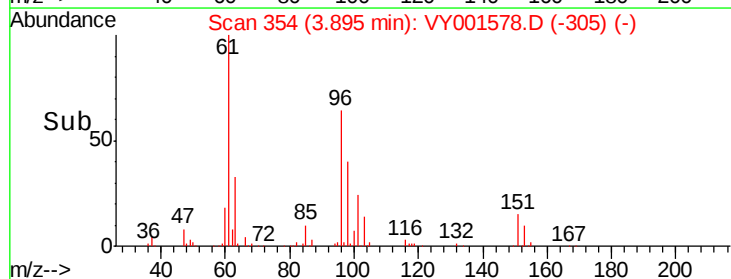
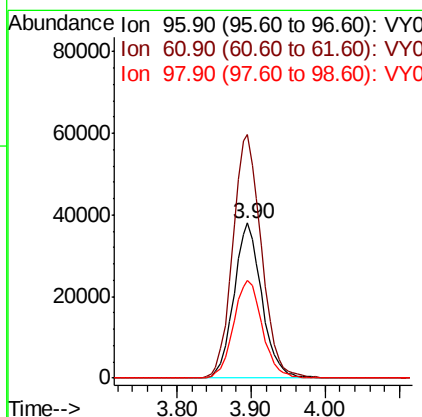
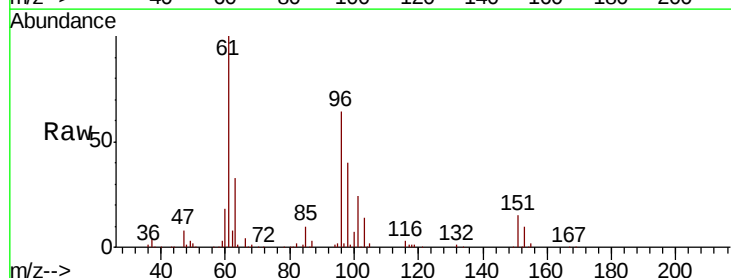
Tot Ion: 59 Resp: 55095
 Ion Ratio Lower Upper
 59 100
 57 3.9 7.0 10.6#

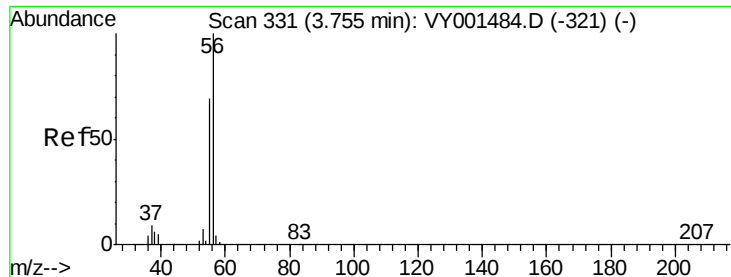


#12

1,1-Dichloroethene
 Concen: 45.509 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

Tgt Ion: 96 Resp: 99888
 Ion Ratio Lower Upper
 96 100
 61 156.9 122.3 183.5
 98 62.9 49.7 74.5





#13

Acrolein

Concen: 294.703 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

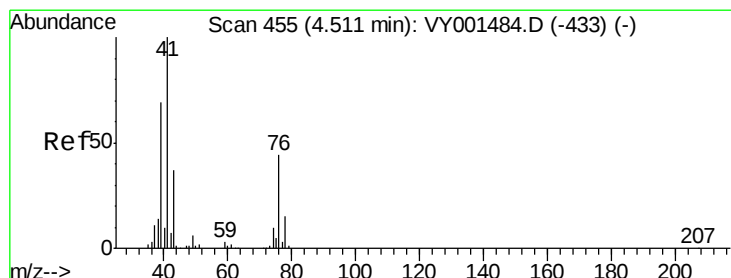
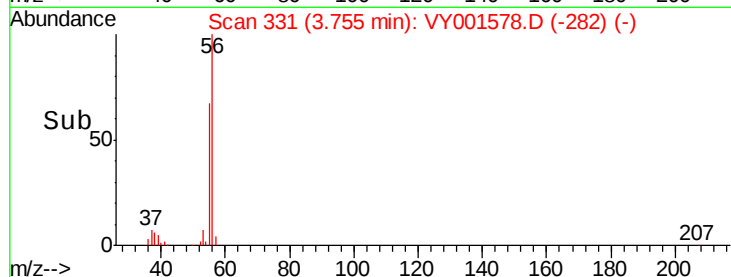
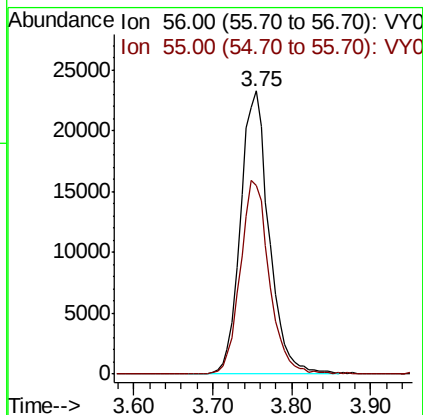
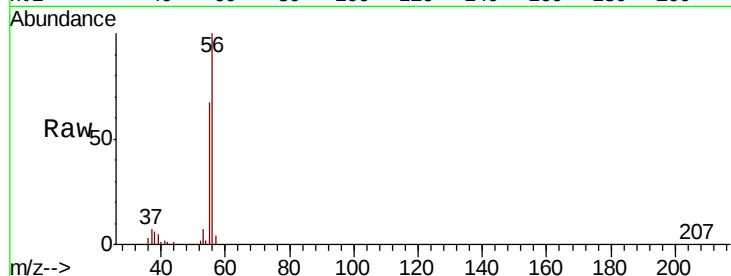
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 58656

Ion Ratio Lower Upper

56 100

55 69.6 56.2 84.4



#14

Allyl chloride

Concen: 53.705 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

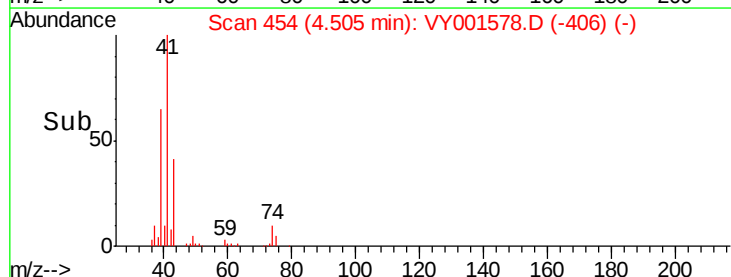
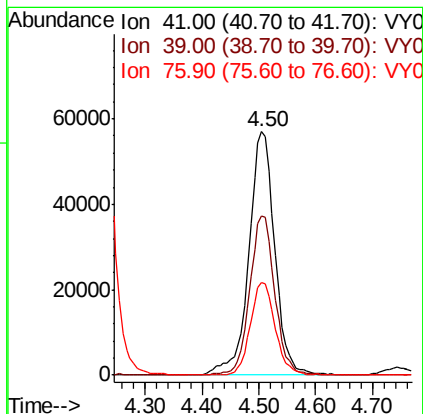
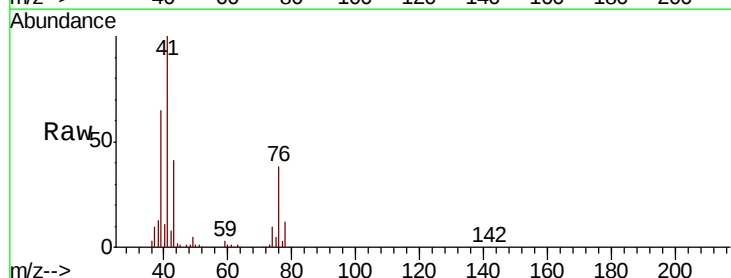
Tgt Ion: 41 Resp: 180326

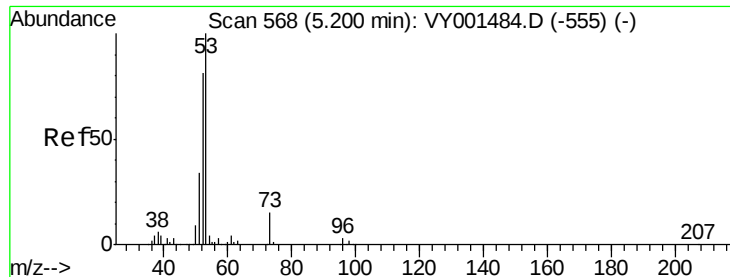
Ion Ratio Lower Upper

41 100

39 63.4 53.0 79.6

76 36.4 32.6 48.8





#15

Acrylonitrile

Concen: 281.306 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

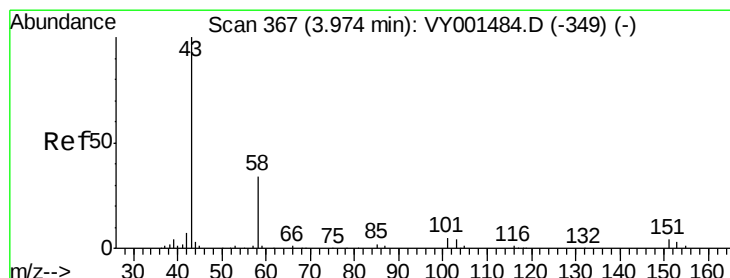
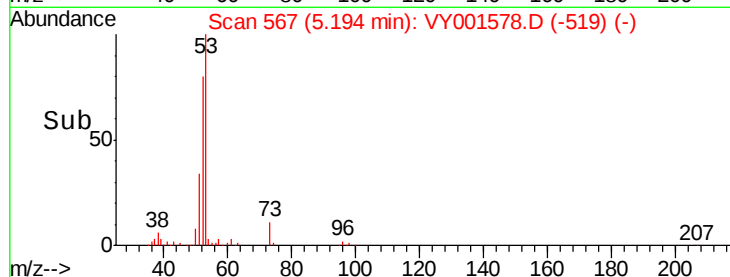
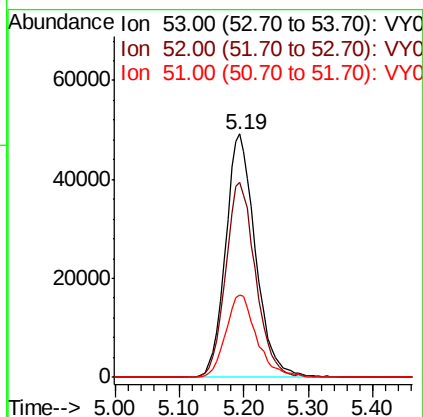
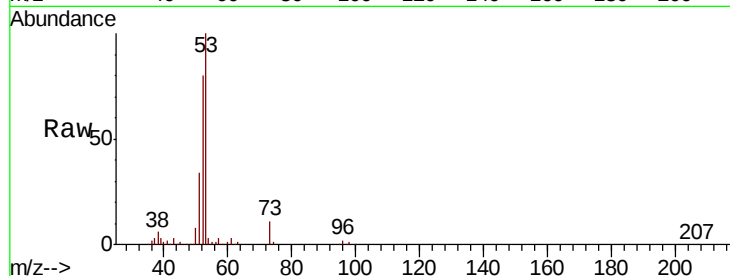
Tot Ion: 53 Resp: 159756

Ion Ratio Lower Upper

53 100

52 80.5 65.4 98.2

51 35.1 29.0 43.4



#16

Acetone

Concen: 287.161 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001578.D

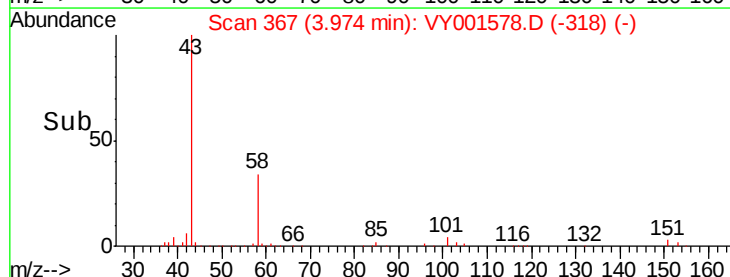
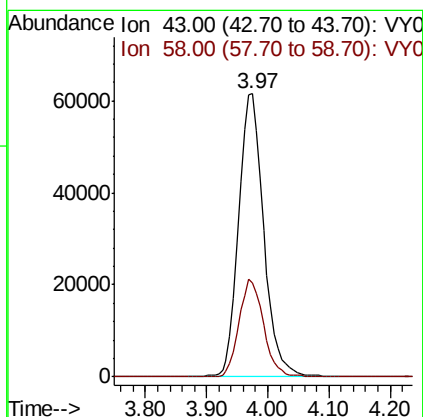
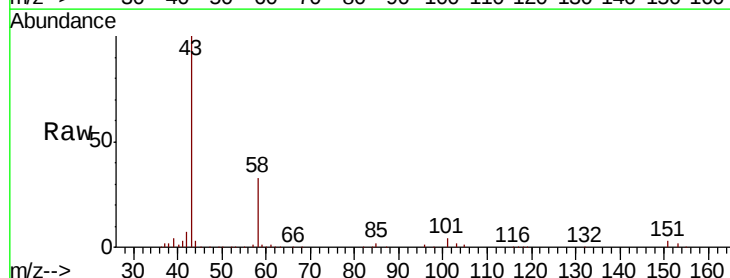
Acq: 10 Feb 2020 11:56

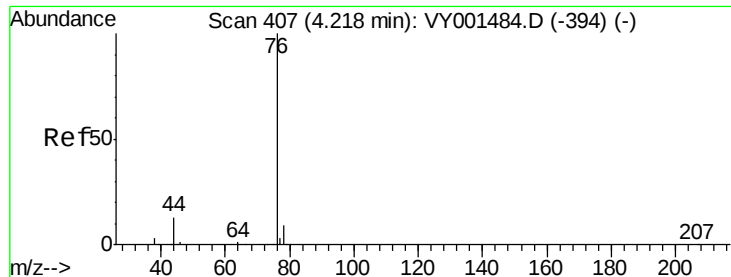
Tgt Ion: 43 Resp: 174601

Ion Ratio Lower Upper

43 100

58 33.4 27.5 41.3





#17

Carbon Disulfide

Concen: 47.519 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

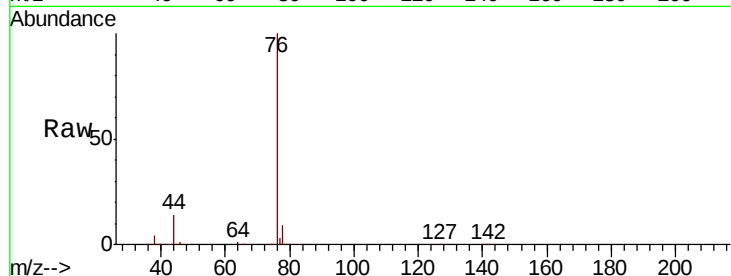
ClientSampleId :

Tot Ion: 76 Resp: 332035

Ion Ratio Lower Upper

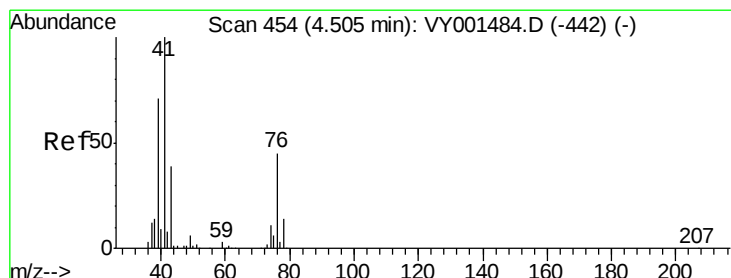
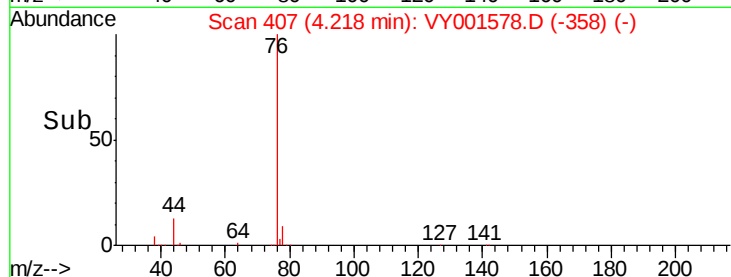
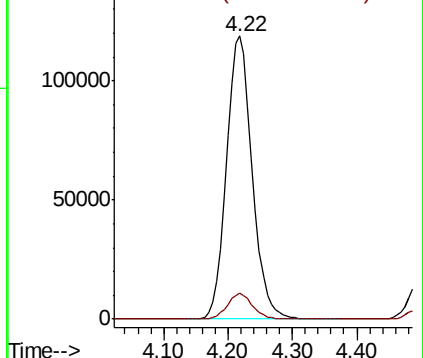
76 100

78 9.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 54.589 ug/l

RT: 4.50 min Scan# 454

Delta R.T. 0.00 min

Lab File: VY001578.D

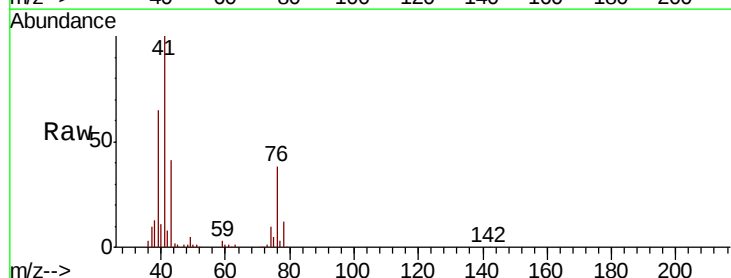
Acq: 10 Feb 2020 11:56

Tgt Ion: 43 Resp: 70830

Ion Ratio Lower Upper

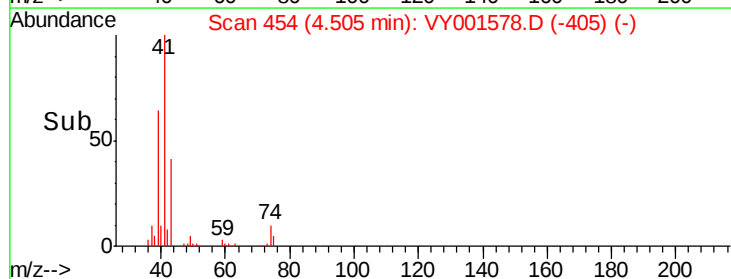
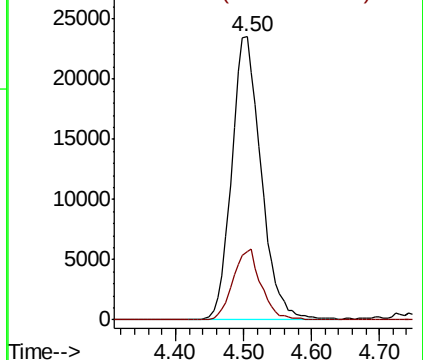
43 100

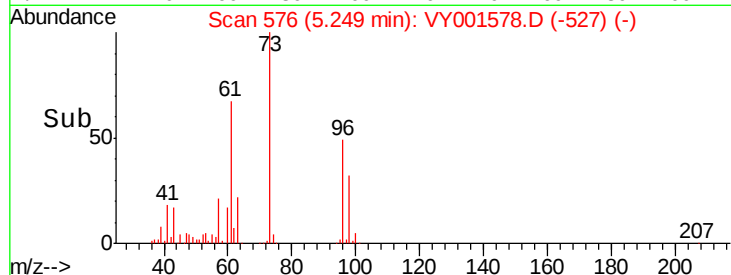
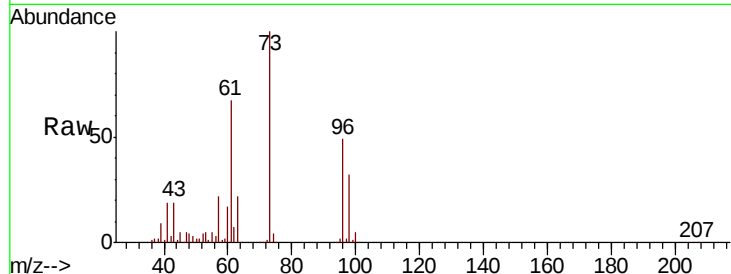
74 23.6 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

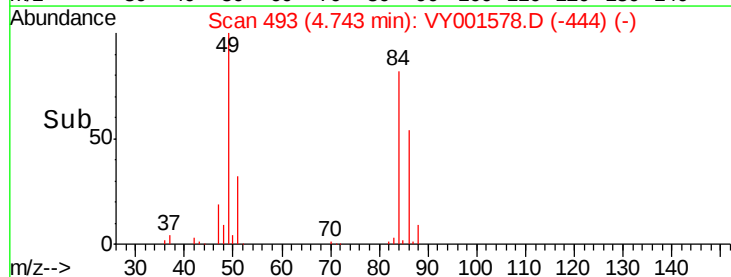
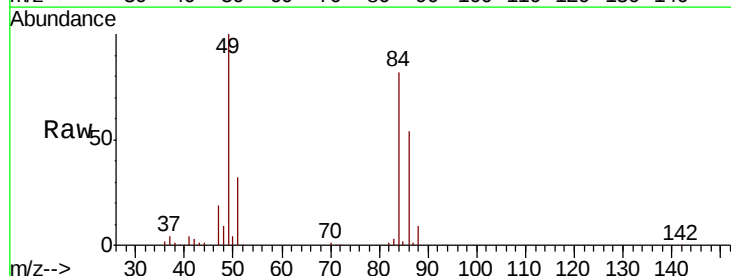
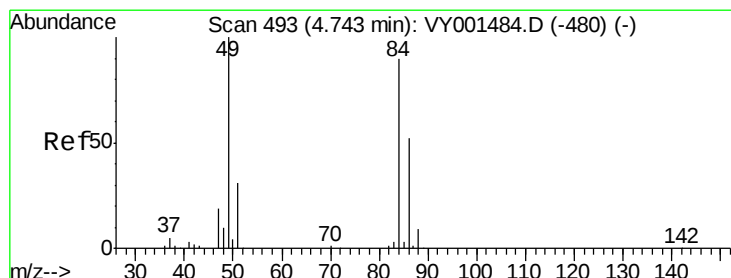
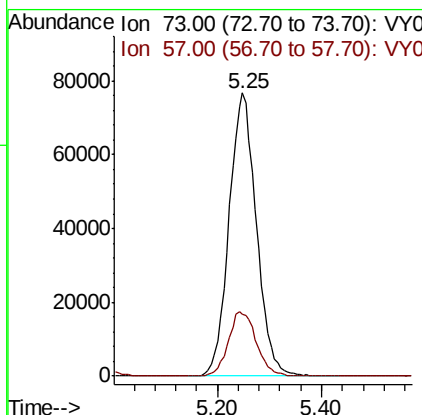




#19
Methyl tert-butyl Ether
Concen: 47.743 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

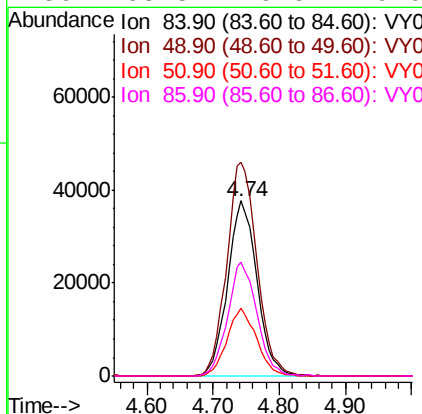
Tot Ion: 73 Resp: 278679
Ion Ratio Lower Upper
73 100
57 22.1 17.0 25.6

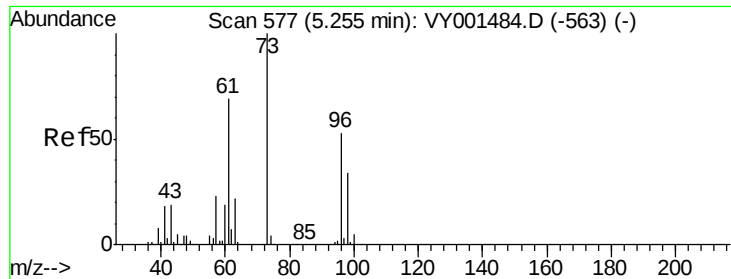
Instrument :
MSVOA_Y
ClientSampled :



#20
Methylene Chloride
Concen: 48.645 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion: 84 Resp: 116116
Ion Ratio Lower Upper
84 100
49 122.1 89.0 133.6
51 38.5 27.4 41.2
86 65.5 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 46.944 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

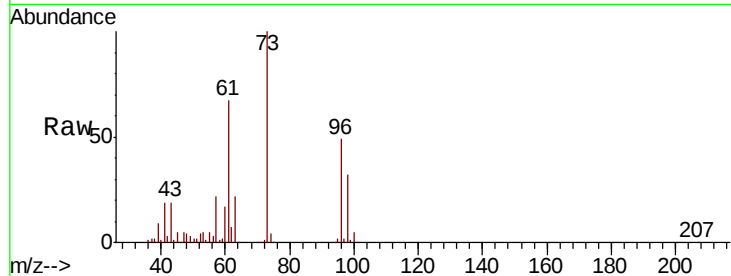
Tot Ion: 96 Resp: 114545

Ion Ratio Lower Upper

96 100

61 136.9 104.2 156.4

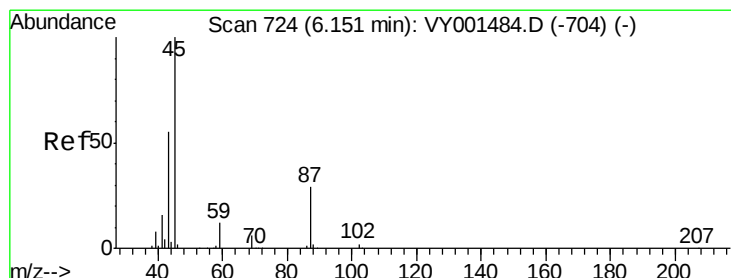
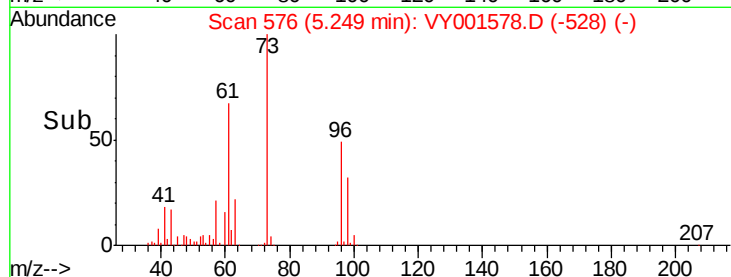
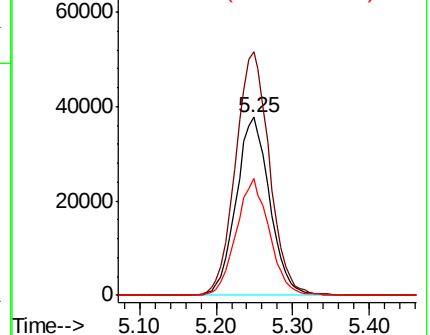
98 65.8 51.4 77.0



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: 55.786 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Tgt Ion: 45 Resp: 371106

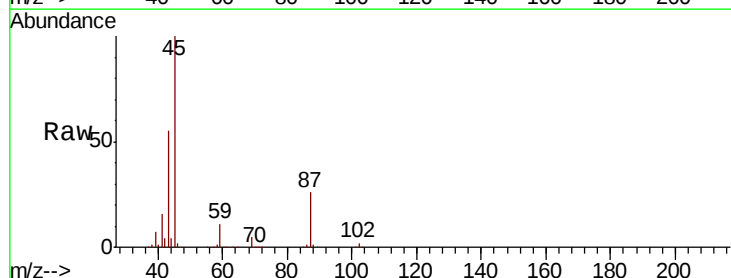
Ion Ratio Lower Upper

45 100

43 55.1 44.2 66.4

87 25.5 23.9 35.9

59 11.5 10.2 15.2

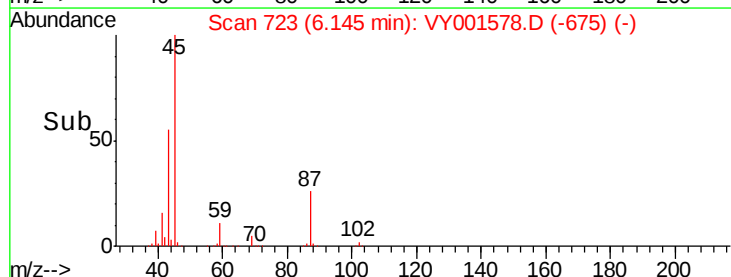
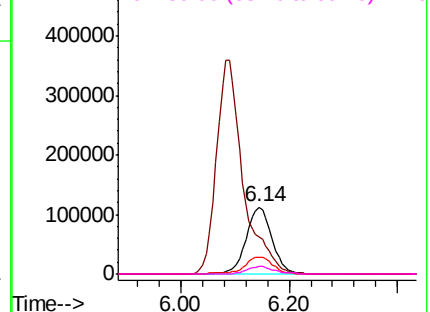


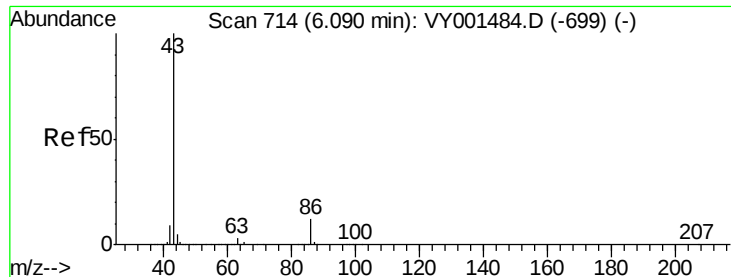
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 287.307 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

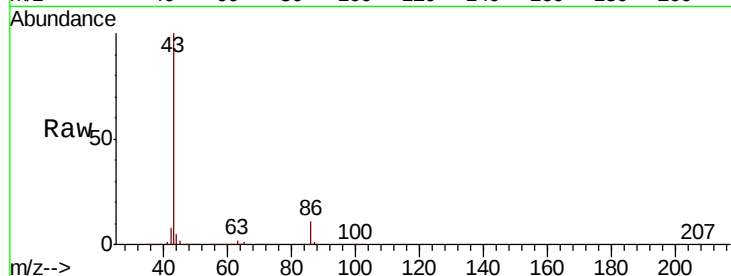
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1216698

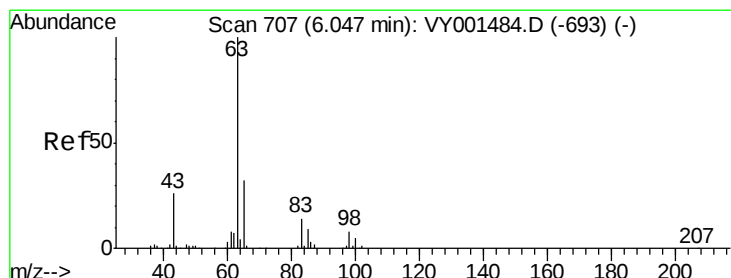
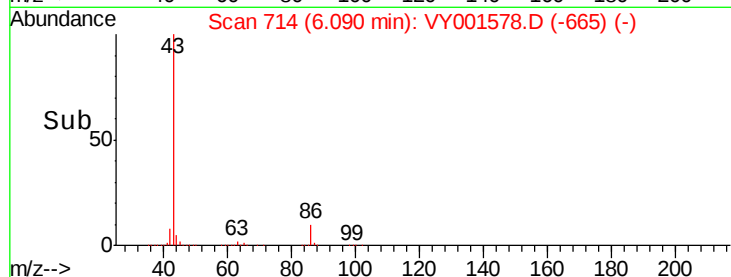
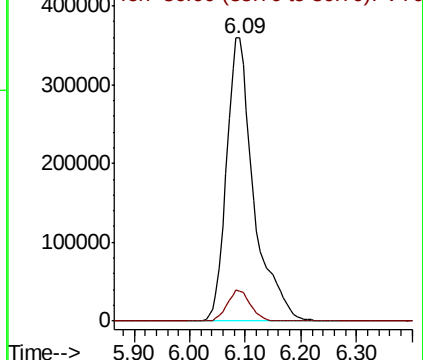
Ion Ratio Lower Upper

43 100

86 10.5 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 49.712 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

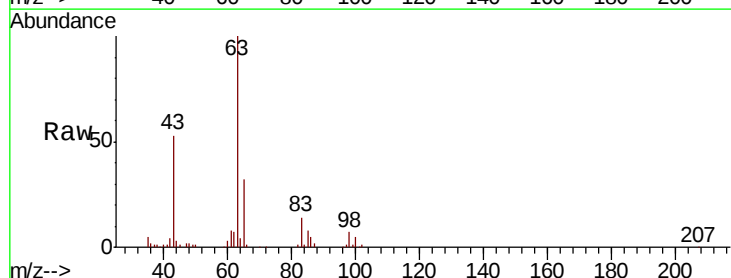
Tgt Ion: 63 Resp: 198915

Ion Ratio Lower Upper

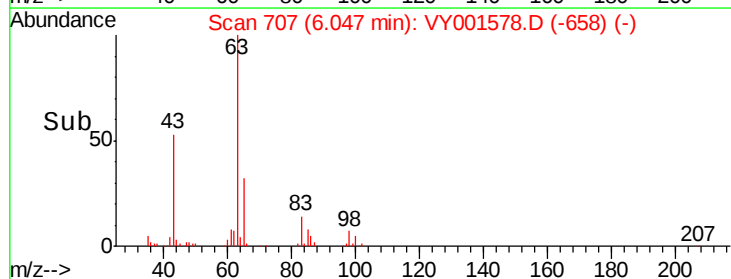
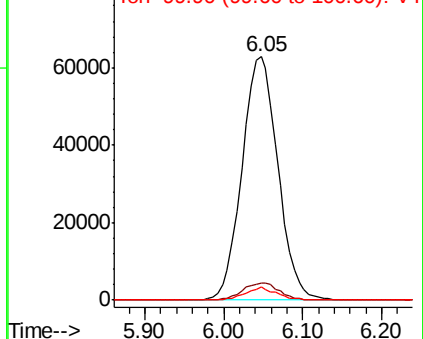
63 100

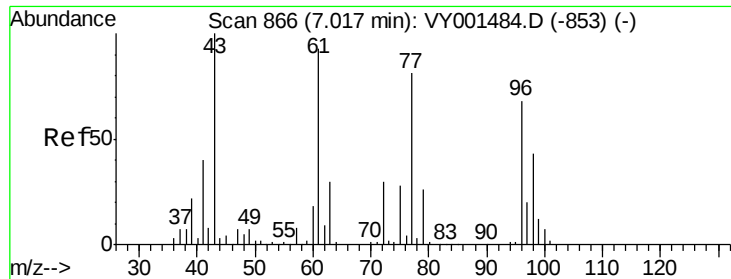
98 7.2 4.0 11.9

100 5.4 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 97.90 (97.60 to 98.60): VY0
Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 301.569 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

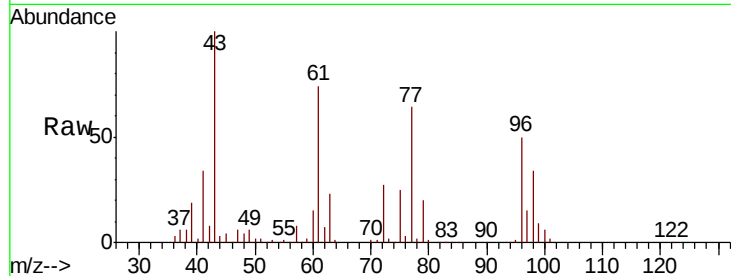
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 237883

Ion Ratio Lower Upper

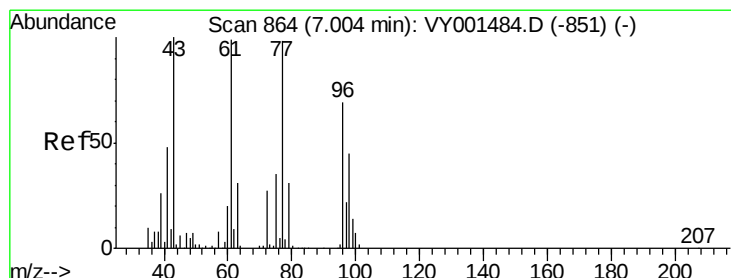
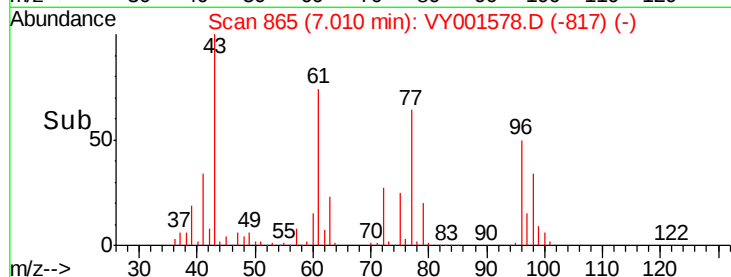
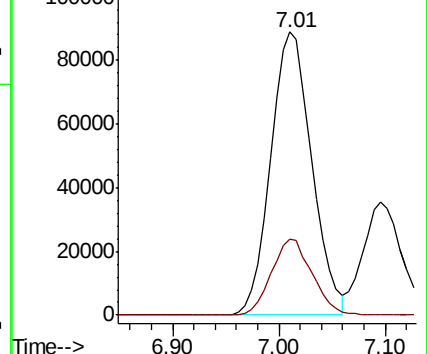
43 100

72 26.8 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 46.186 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY001578.D

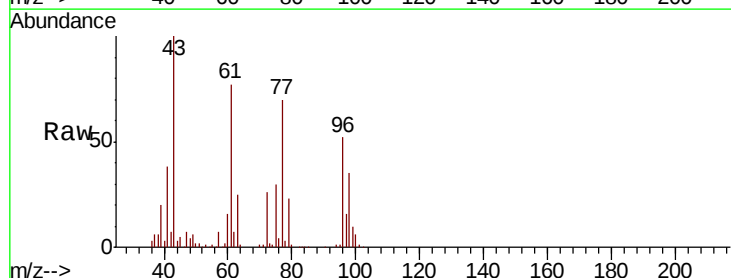
Acq: 10 Feb 2020 11:56

Tgt Ion: 77 Resp: 176872

Ion Ratio Lower Upper

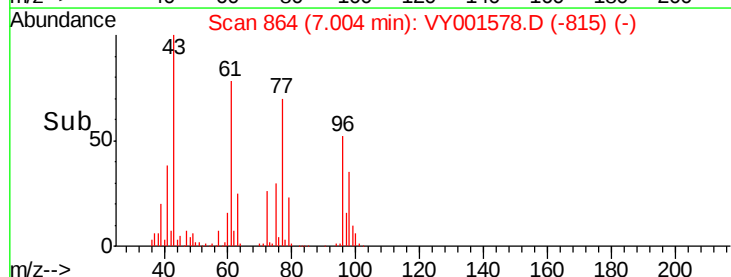
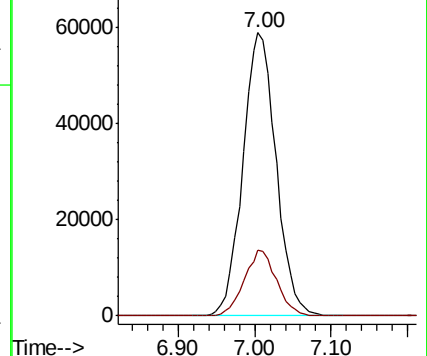
77 100

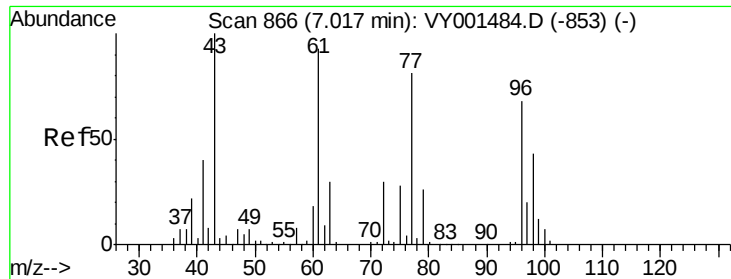
97 22.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

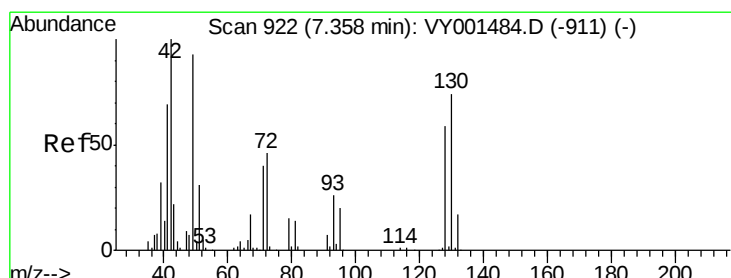
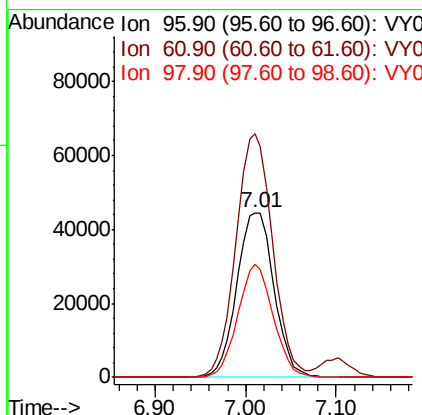
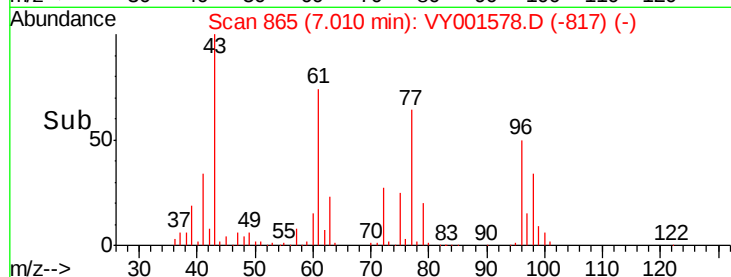
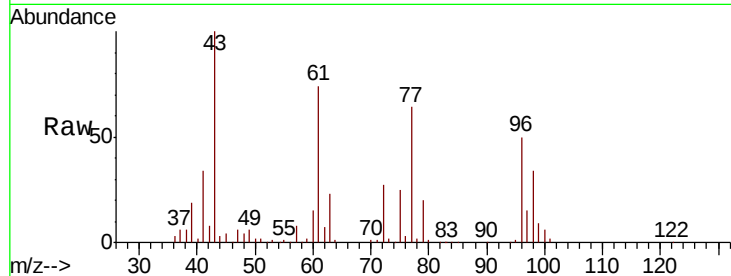




#27
 cis-1,2-Dichloroethene
 Concen: 47.509 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

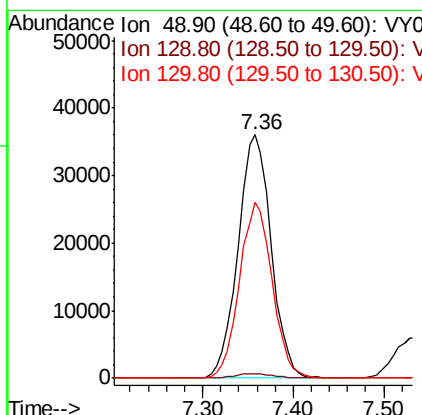
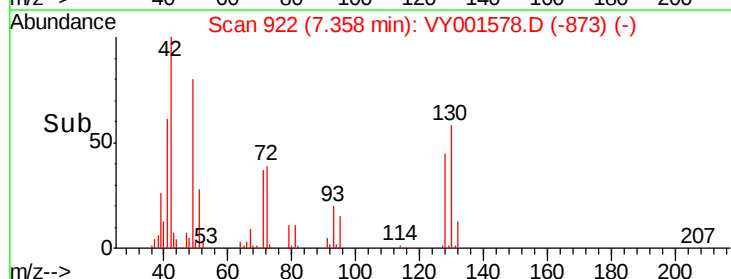
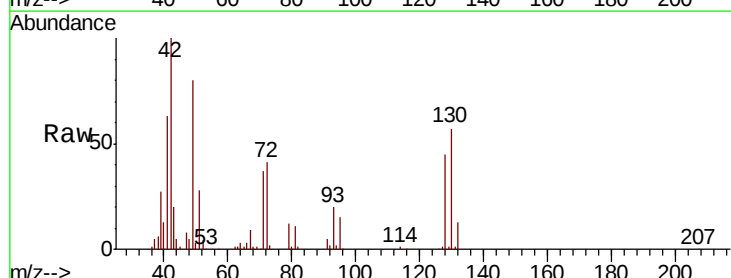
Instrument :
 MSVOA_Y
 ClientSampled :

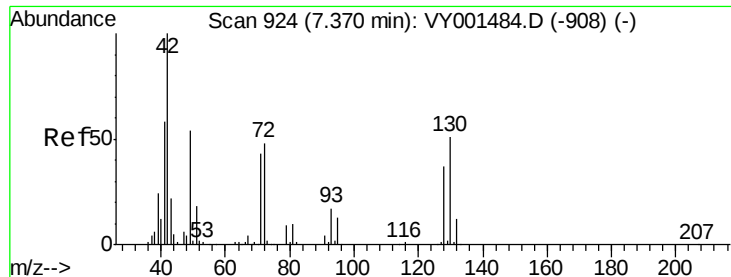
Tot Ion: 96 Resp: 126615
 Ion Ratio Lower Upper
 96 100
 61 146.2 0.0 278.8
 98 64.9 0.0 128.8



#28
 Bromochloromethane
 Concen: 66.845 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

Tgt Ion: 49 Resp: 91118
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.8
 130 71.4 65.4 98.2

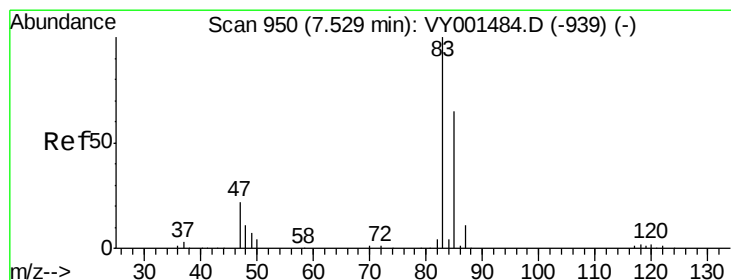
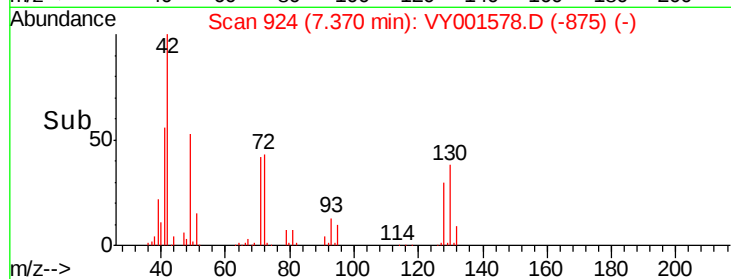
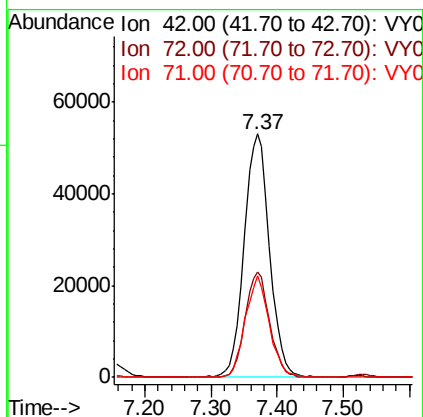
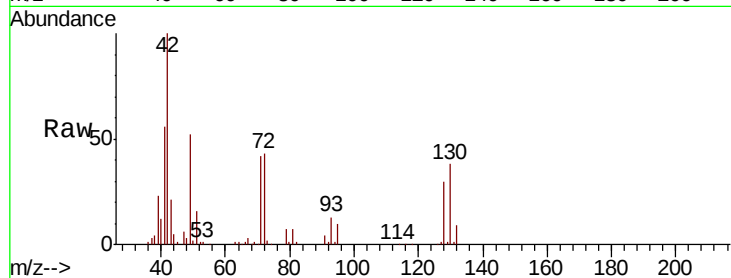




#29
Tetrahydrofuran
Concen: 299.161 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

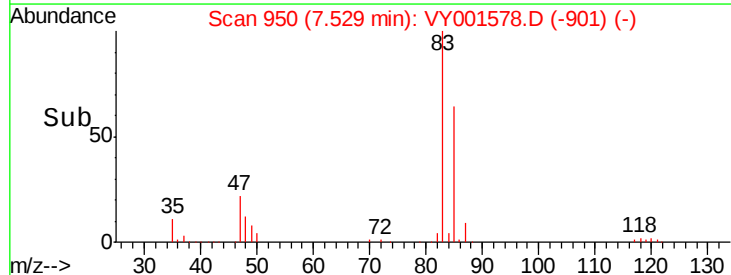
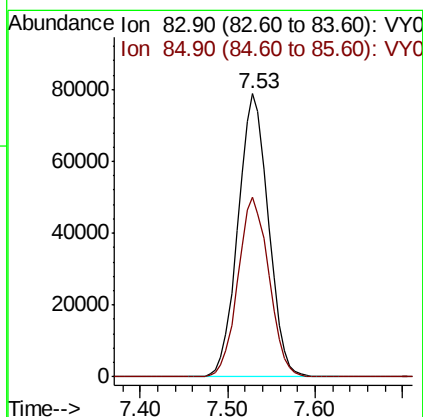
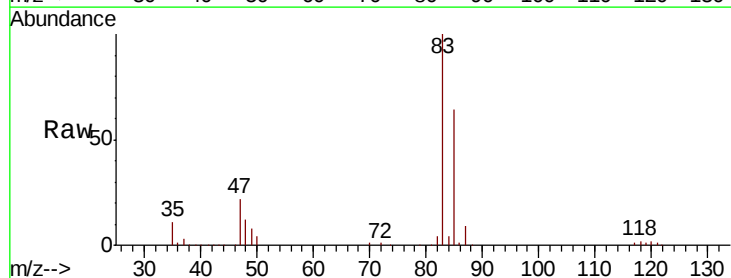
Instrument :
MSVOA_Y
ClientSampleId :

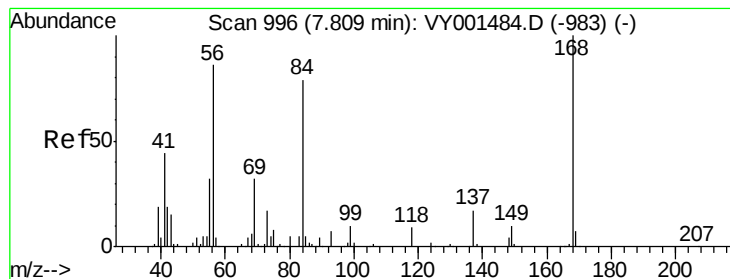
Tot Ion: 42 Resp: 141441
Ion Ratio Lower Upper
42 100
72 41.8 37.8 56.6
71 39.5 34.8 52.2



#30
Chloroform
Concen: 46.927 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion: 83 Resp: 190201
Ion Ratio Lower Upper
83 100
85 63.5 52.4 78.6





#31

Cyclohexane

Concen: 49.954 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :
MSVOA_Y
ClientSampleId :

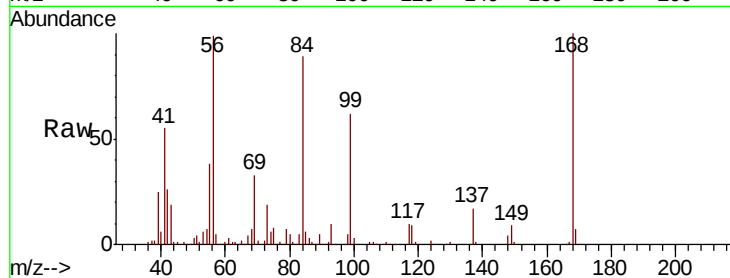
Tot Ion: 56 Resp: 204466

Ion Ratio Lower Upper

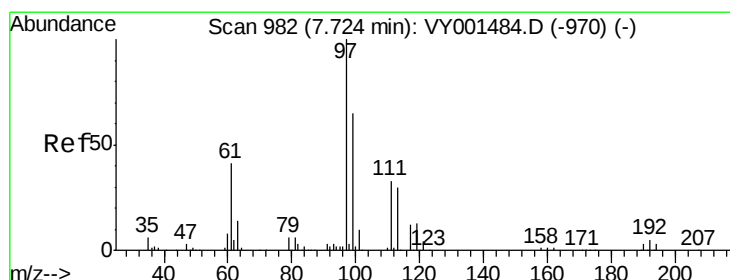
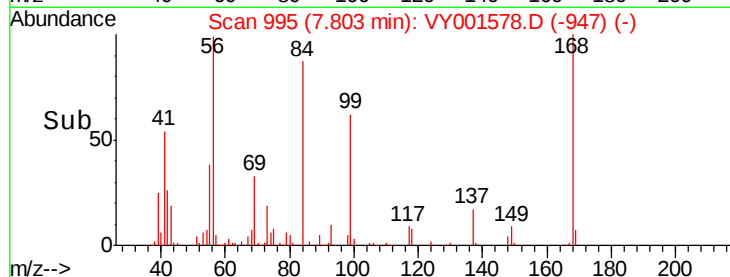
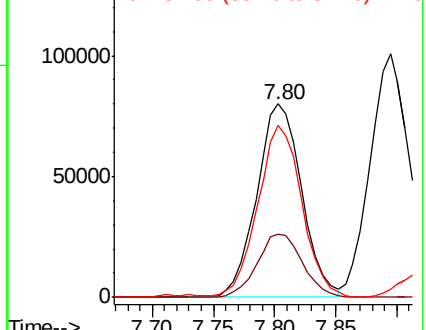
56 100

69 32.9 29.6 44.4

84 88.1 73.6 110.4



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: 45.721 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

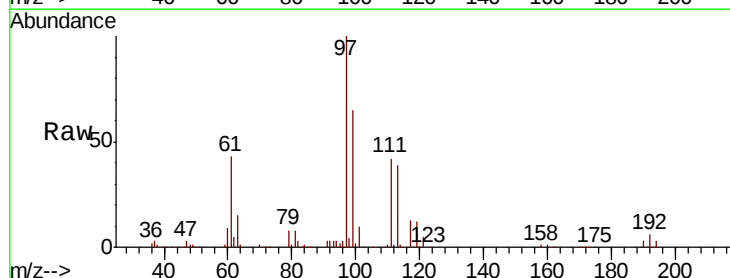
Tgt Ion: 97 Resp: 168012

Ion Ratio Lower Upper

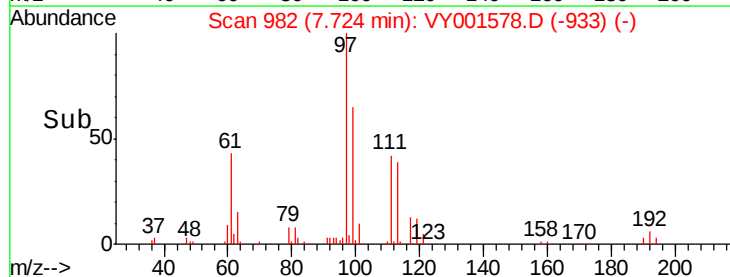
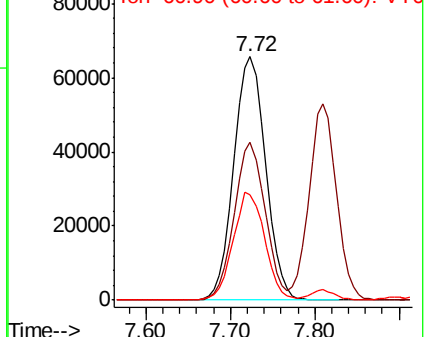
97 100

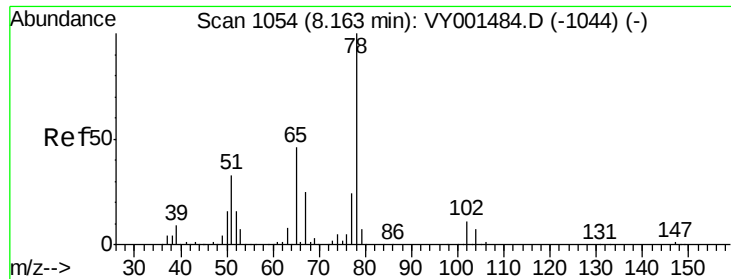
99 62.9 51.8 77.8

61 43.9 32.5 48.7



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

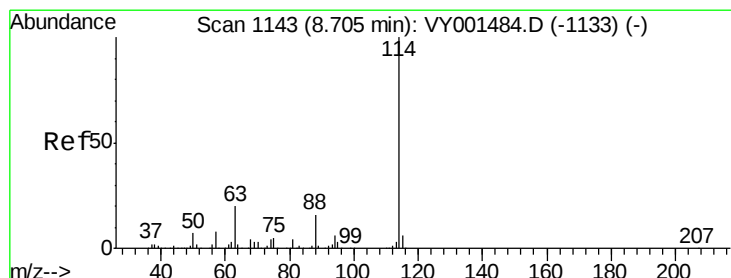
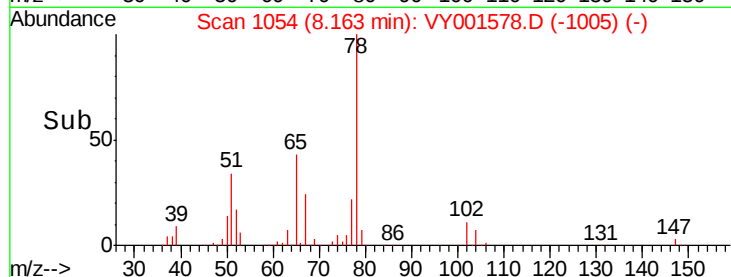
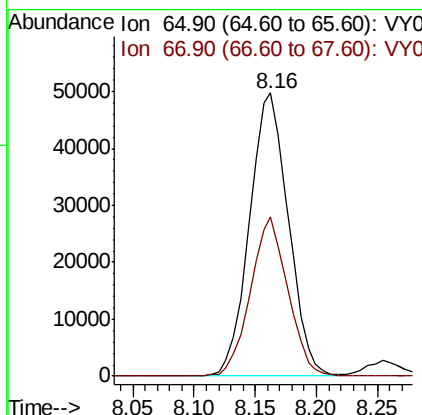
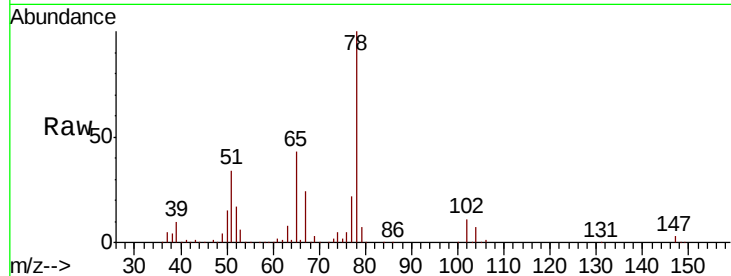




#33
 1,2-Dichloroethane-d4
 Concen: 52.186 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

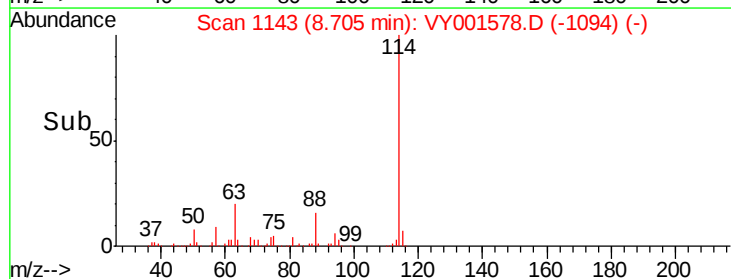
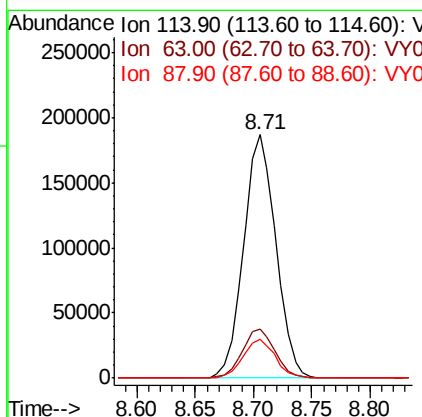
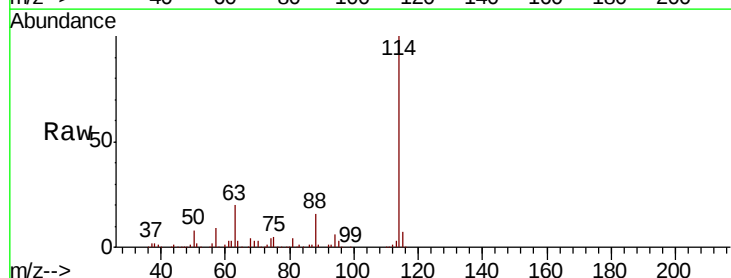
Instrument :
 MSVOA_Y
 ClientSampled :

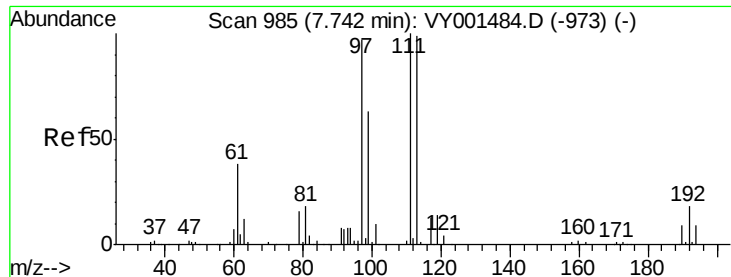
Tot Ion: 65 Resp: 109695
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

Tgt Ion: 114 Resp: 360933
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.8 0.0 32.6

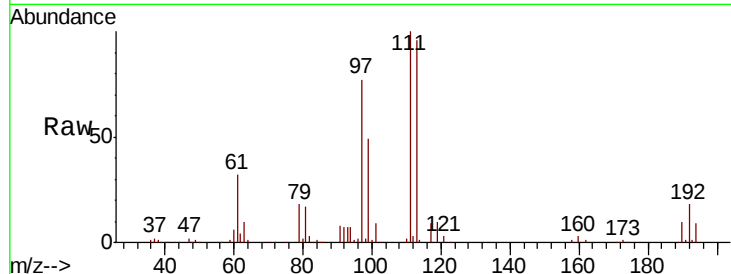




#35
 Dibromofluoromethane
 Concen: 49.676 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.9	124.3
192	18.8	14.6	22.0

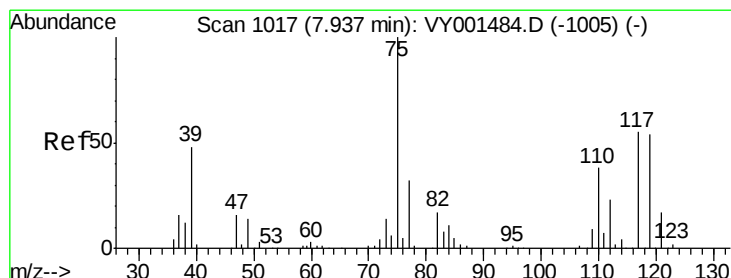
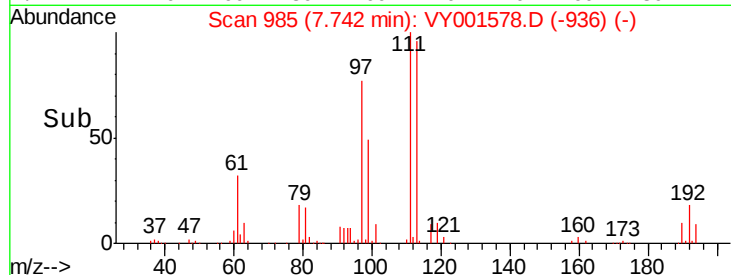
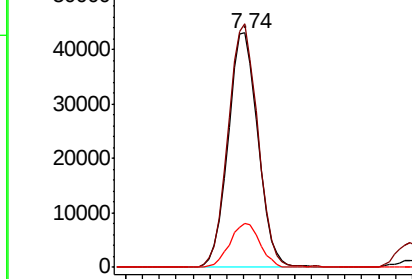


Abundance

Ion 112.80 (112.50 to 113.50): V

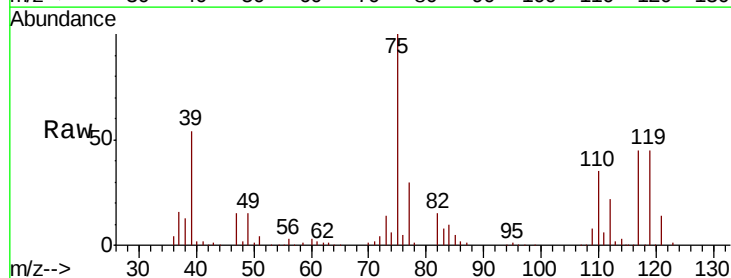
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 48.747 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.2	54.6
77	31.0	25.0	37.4

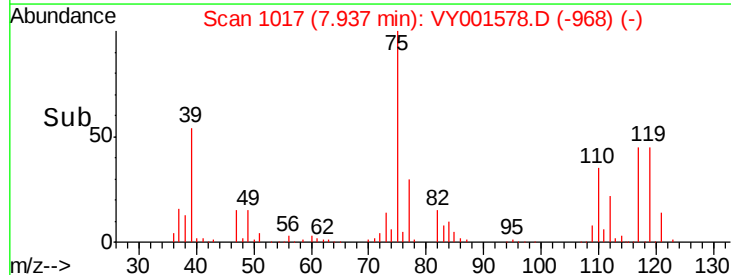
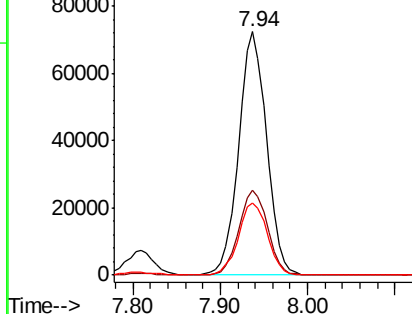


Abundance

Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

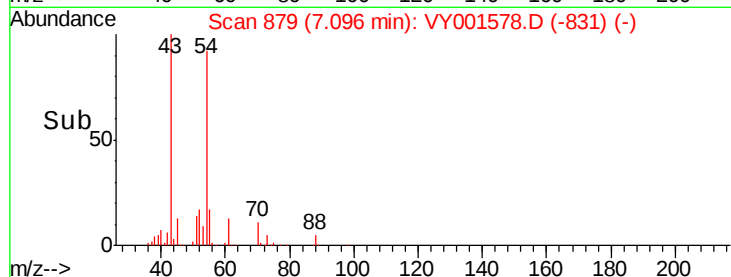
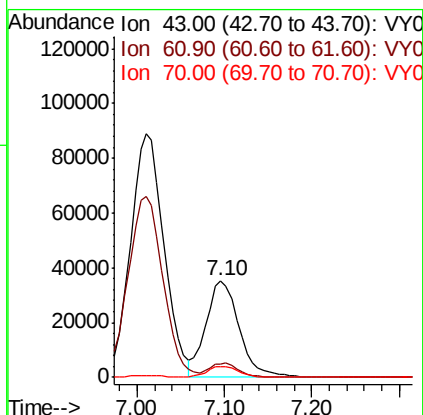
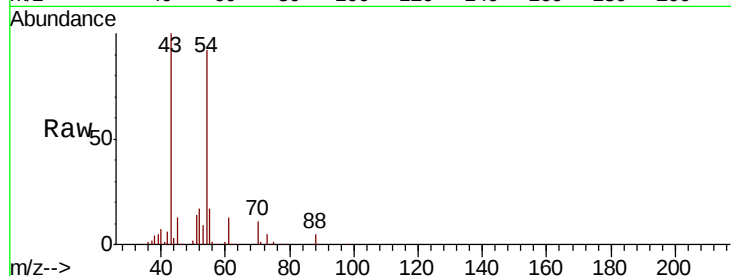




#37
Ethyl Acetate
Concen: 58.041 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

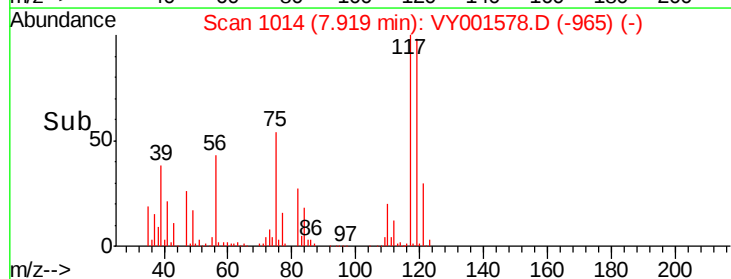
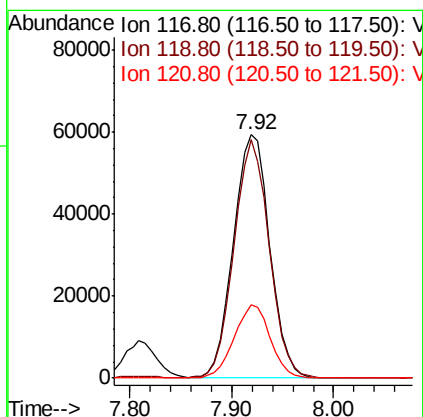
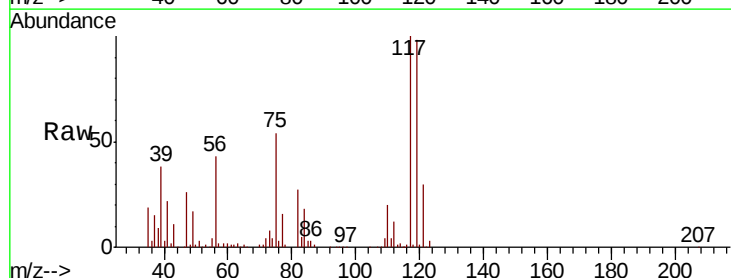
Instrument :
MSVOA_Y
ClientSampled :

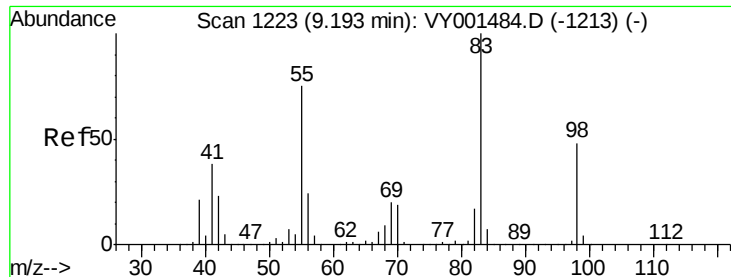
Tot Ion: 43 Resp: 92774
Ion Ratio Lower Upper
43 100
61 13.3 12.0 18.0
70 10.8 10.2 15.4



#38
Carbon Tetrachloride
Concen: 46.025 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion: 117 Resp: 147031
Ion Ratio Lower Upper
117 100
119 97.8 76.4 114.6
121 30.0 24.2 36.4

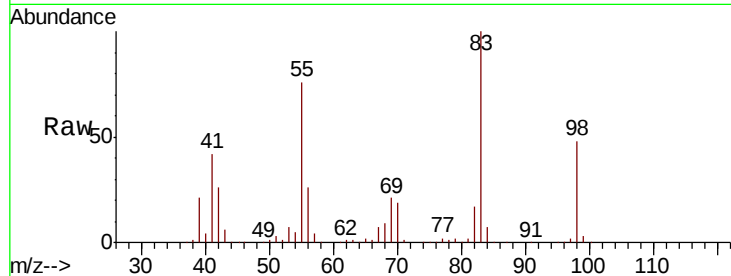




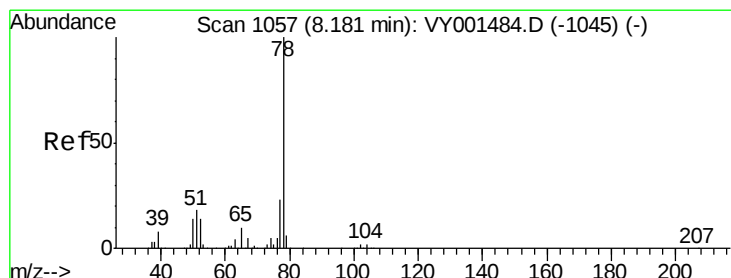
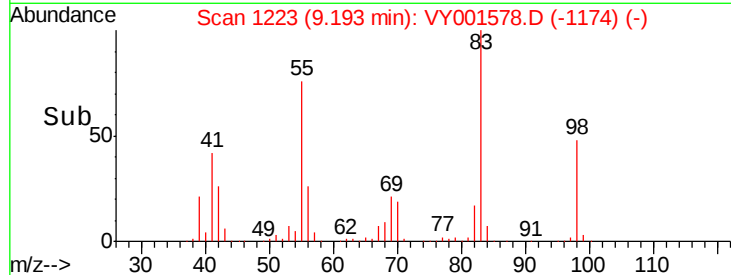
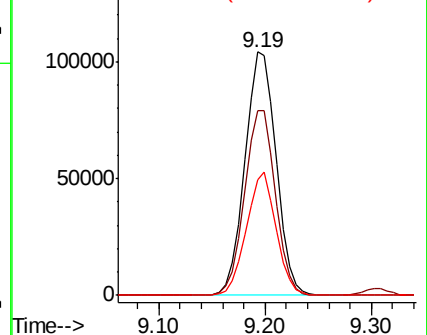
#39
Methvlcvclohexane
Concen: 49.438 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	83.00	Resp	214937
Ion	Ratio	Lower	Upper
83	100		
55	75.9	59.8	89.6
98	47.6	38.6	57.8

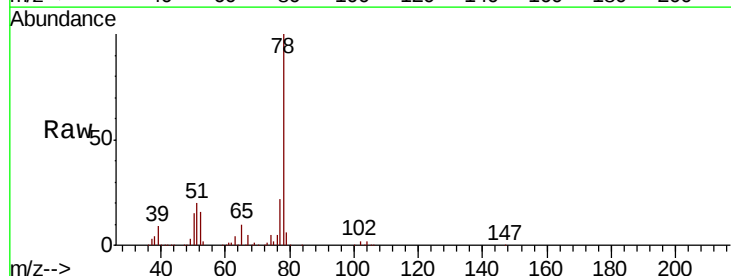


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

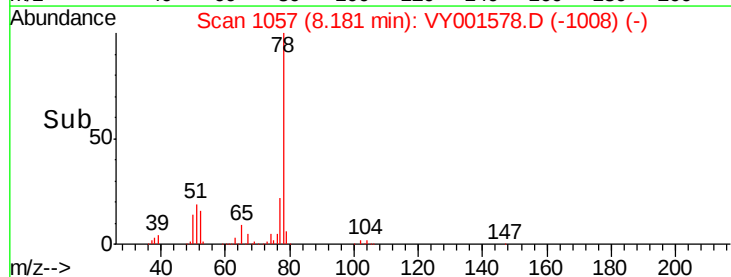
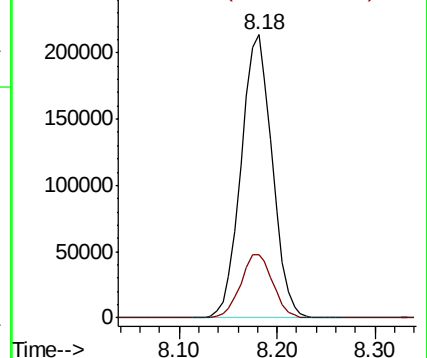


#40
Benzene
Concen: 49.922 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion	78.00	Resp	470161
Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.5	27.7



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

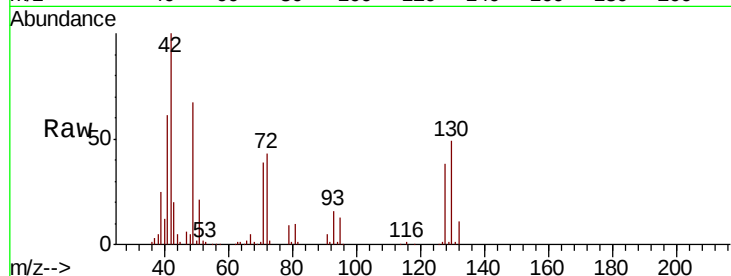




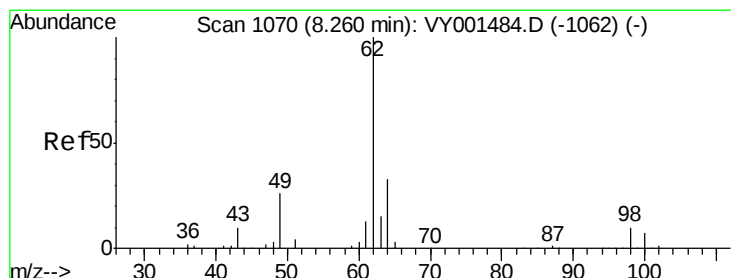
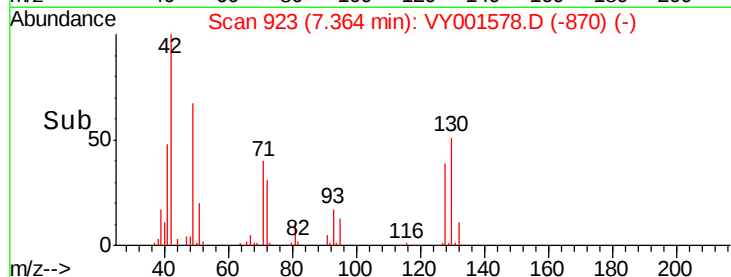
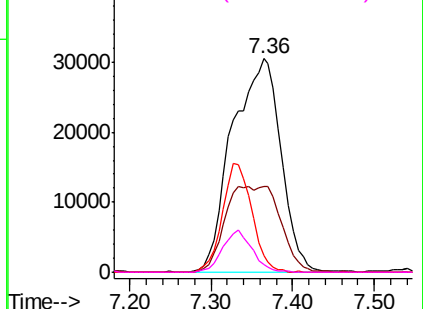
#41
Methacrylonitrile
Concen: 170.739 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.03 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	116.8	175.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

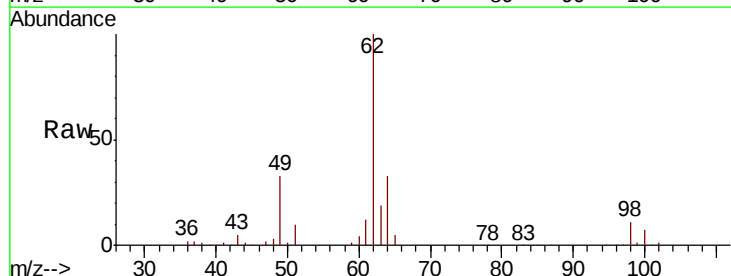


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

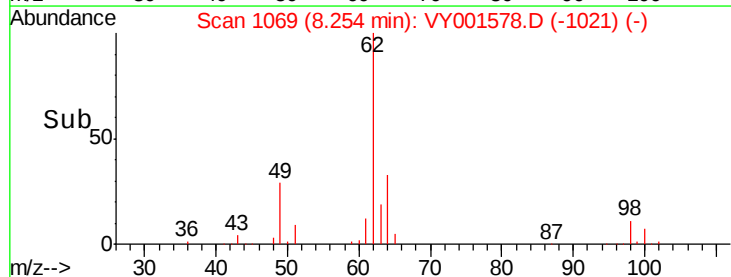
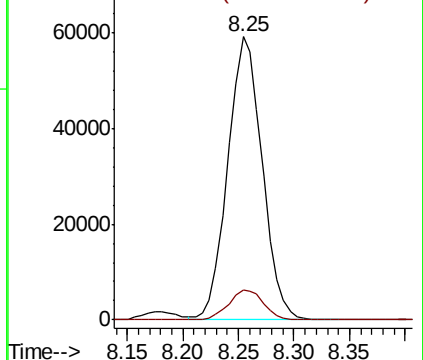


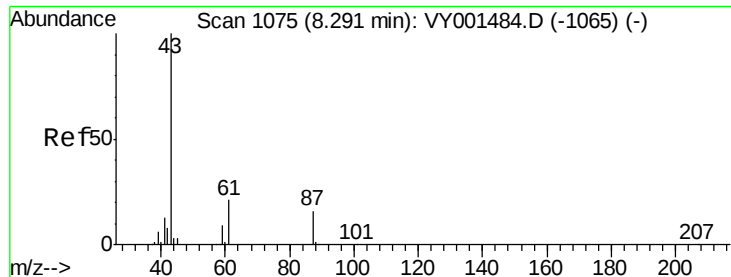
#42
1,2-Dichloroethane
Concen: 48.272 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0



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





#43

Isopropyl Acetate

Concen: 57.049 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

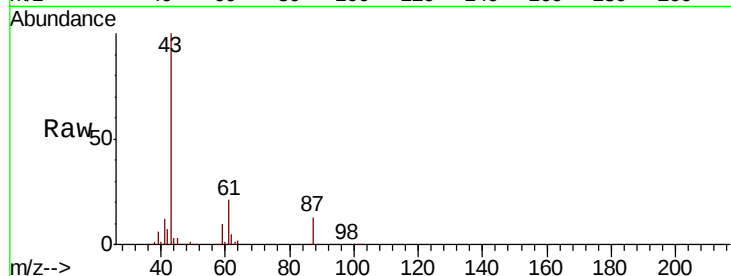
Tot Ion: 43 Resp: 180547

Ion Ratio Lower Upper

43 100

61 28.7 25.1 37.7

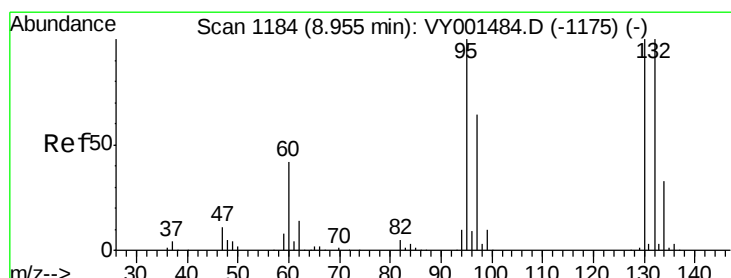
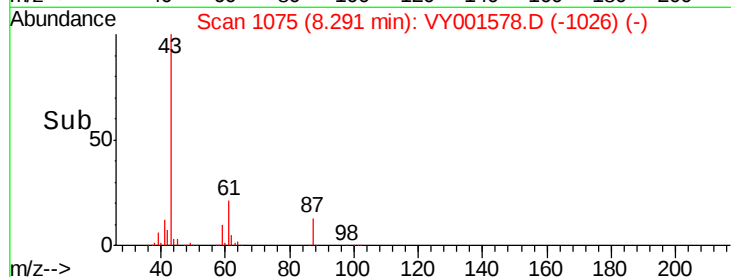
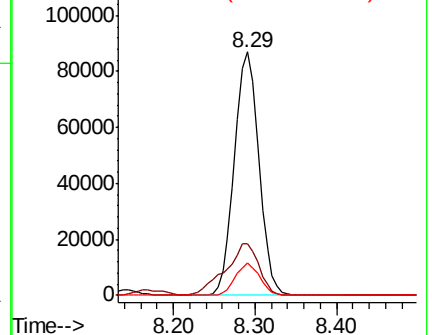
87 13.2 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VY001578.D (-1026) (-)

Ion 61.00 (60.70 to 61.70): VY001578.D (-1026) (-)

Ion 87.00 (86.70 to 87.70): VY001578.D (-1026) (-)



#44

Trichloroethene

Concen: 47.466 ug/l

RT: 8.96 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VY001578.D

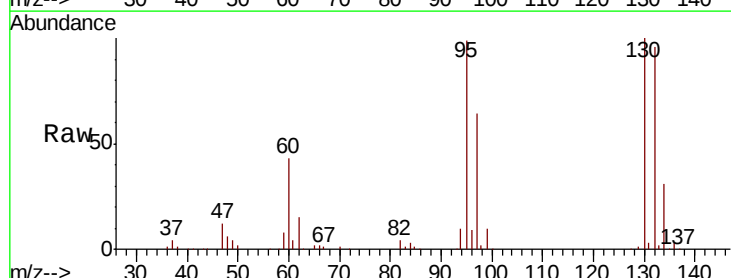
Acq: 10 Feb 2020 11:56

Tgt Ion:130 Resp: 120497

Ion Ratio Lower Upper

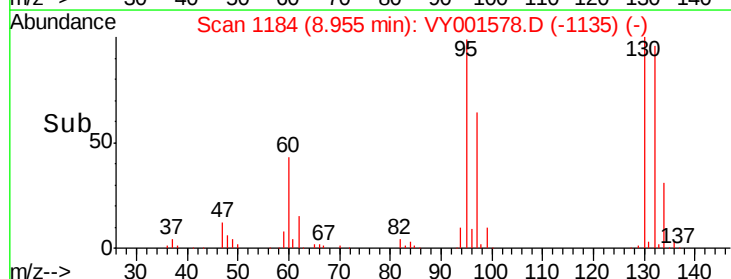
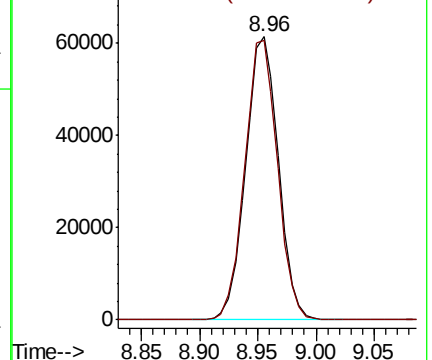
130 100

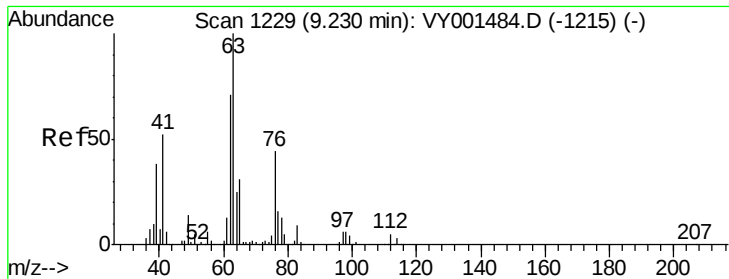
95 98.9 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): VY001578.D (-1135) (-)

Ion 94.90 (94.60 to 95.60): VY001578.D (-1135) (-)





#45

1,2-Dichloropropane

Concen: 51.972 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

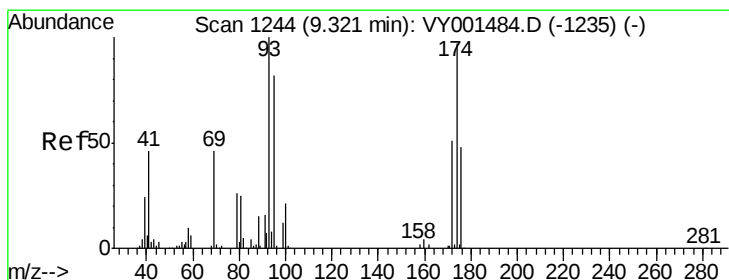
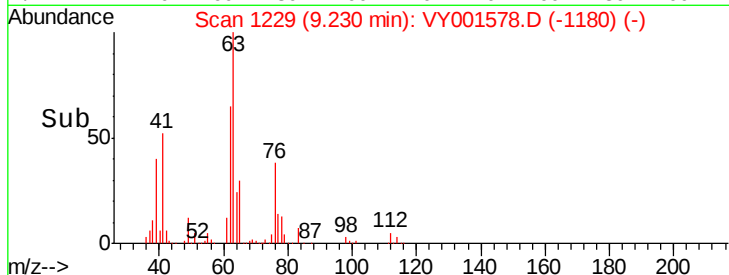
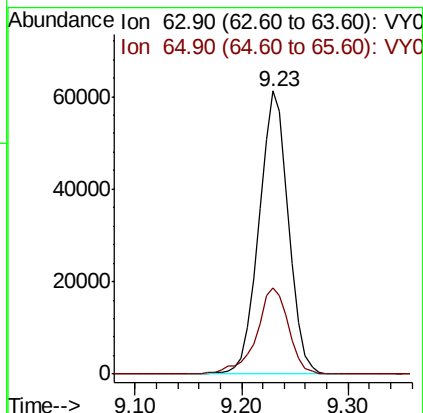
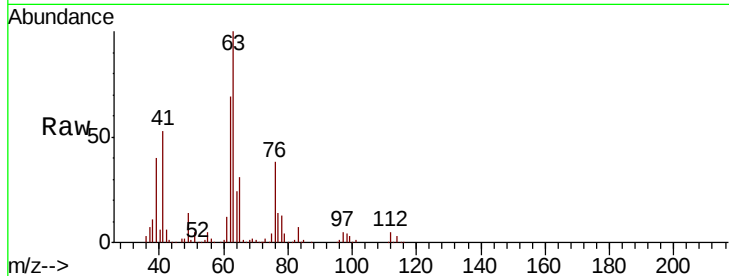
ClientSampleId :

Tot Ion: 63 Resp: 118195

Ion Ratio Lower Upper

63 100

65 30.7 25.0 37.4



#46

Dibromomethane

Concen: 48.409 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

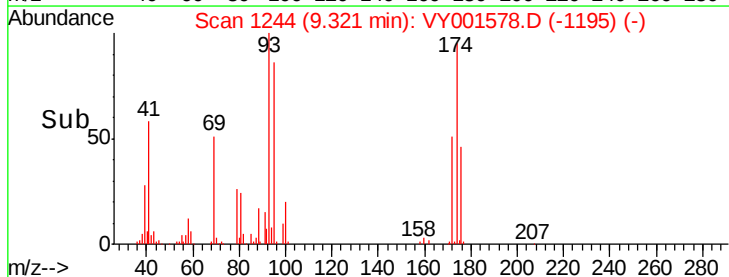
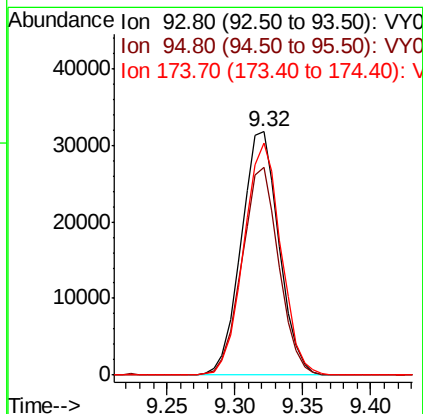
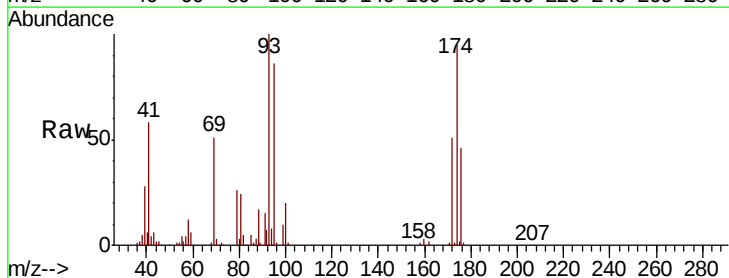
Tgt Ion: 93 Resp: 61820

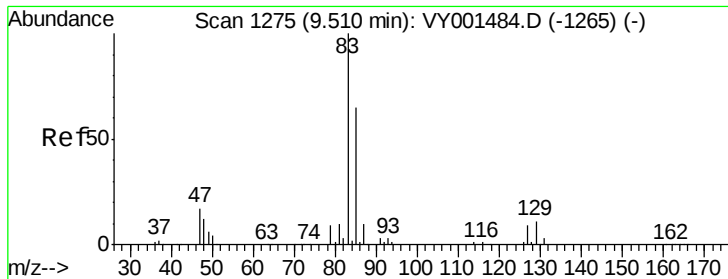
Ion Ratio Lower Upper

93 100

95 83.1 66.6 99.8

174 93.7 75.4 113.2





#47

Bromodichloromethane

Concen: 48.028 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

ClientSampled :

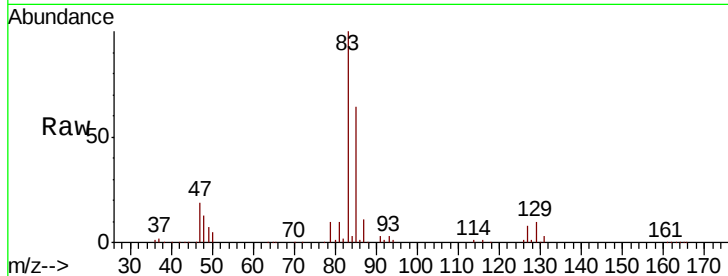
Tot Ion: 83 Resp: 149438

Ion Ratio Lower Upper

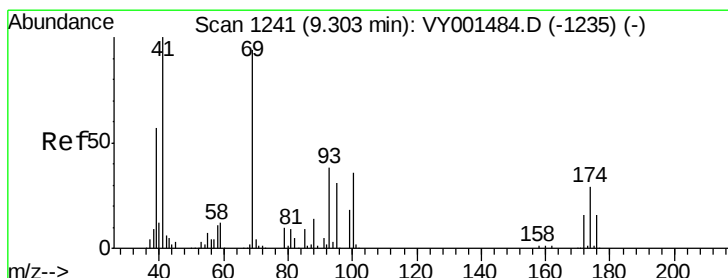
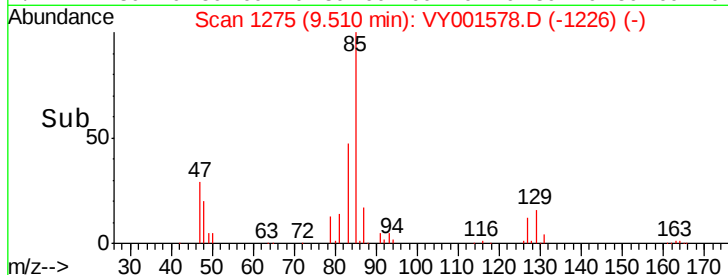
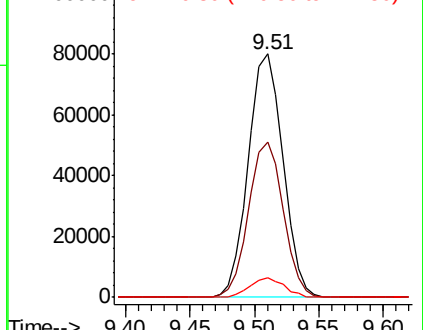
83 100

85 63.8 51.9 77.9

127 7.9 6.9 10.3



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



#48

Methyl methacrylate

Concen: 56.700 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

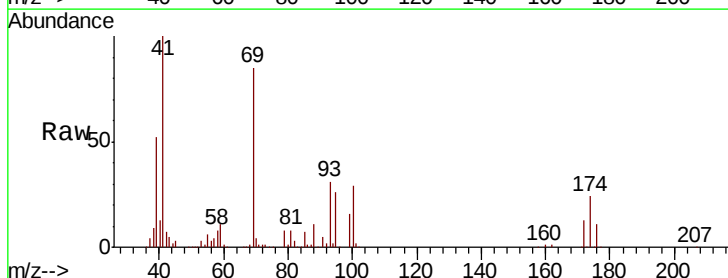
Tgt Ion: 41 Resp: 81443

Ion Ratio Lower Upper

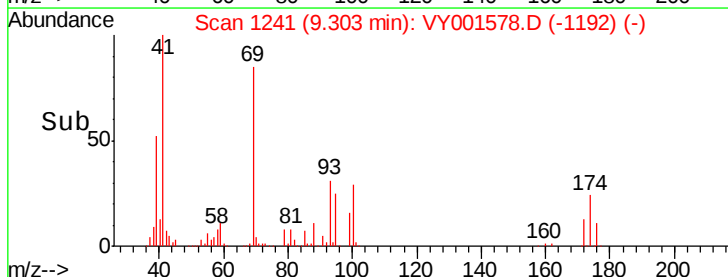
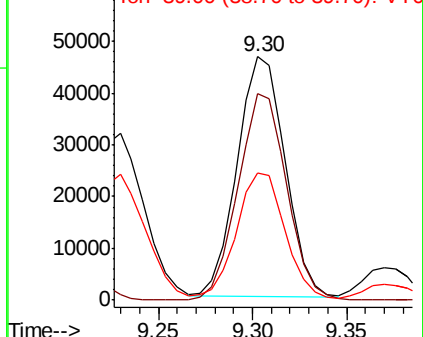
41 100

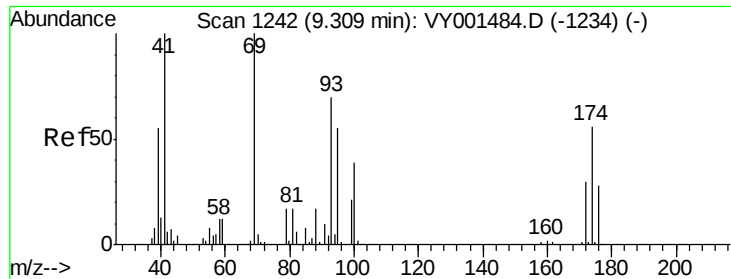
69 87.7 76.6 114.8

39 52.4 45.4 68.0



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

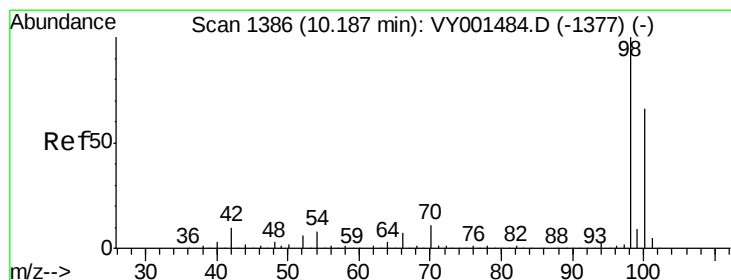
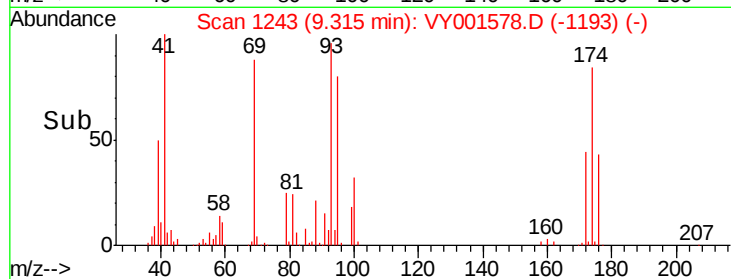
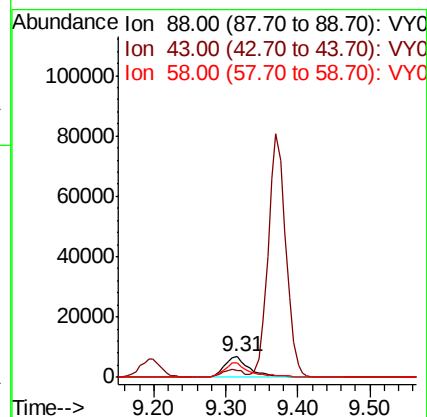
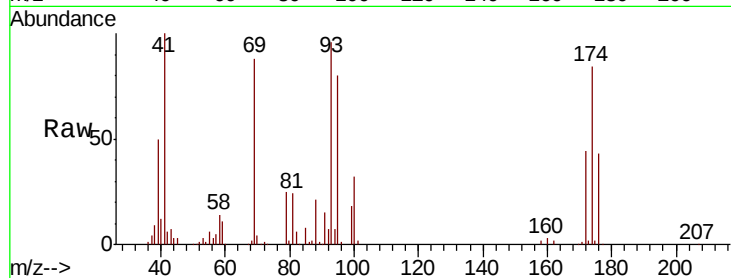




#49
1,4-Dioxane
Concen: 1015.830 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

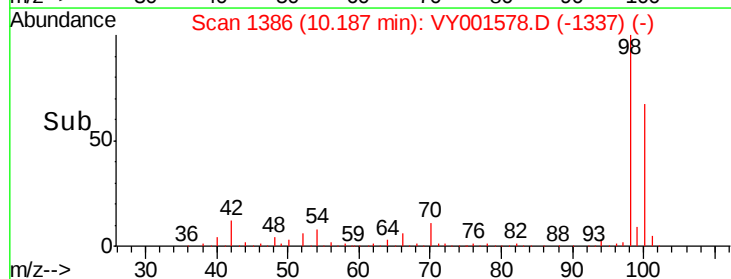
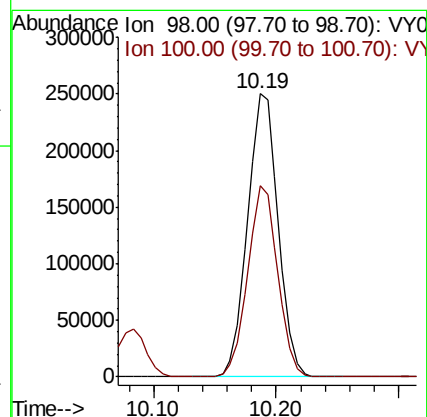
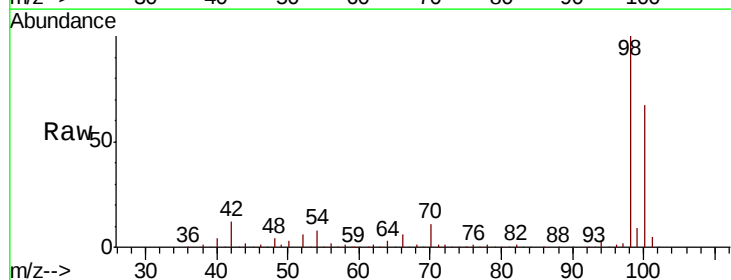
Instrument :
MSVOA_Y
ClientSampleId :

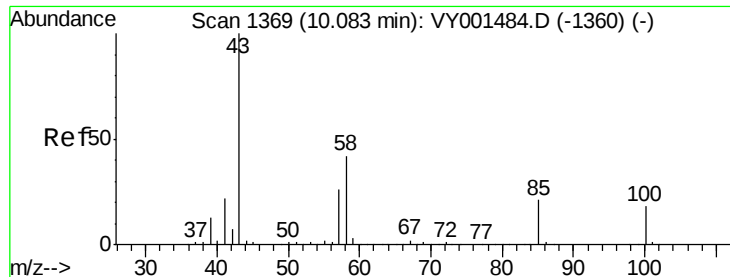
Tot Ion: 88 Resp: 17132
Ion Ratio Lower Upper
88 100
43 30.1 24.8 37.2
58 71.9 59.3 88.9



#50
Toluene-d8
Concen: 55.238 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion: 98 Resp: 434970
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6

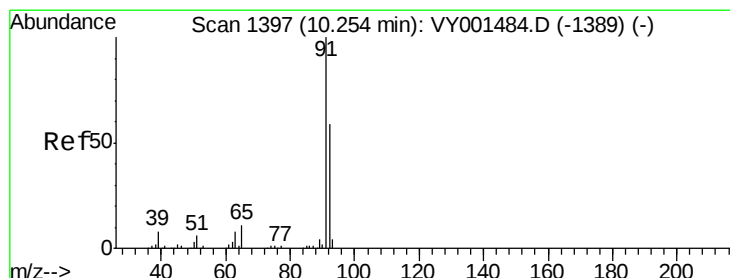
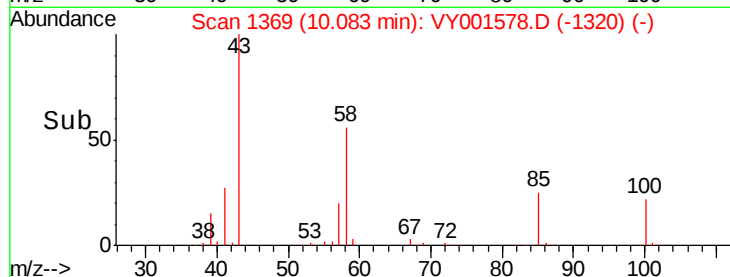
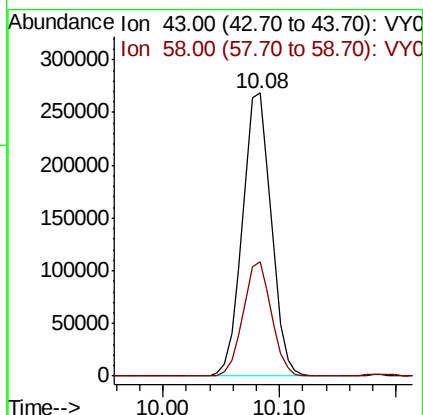
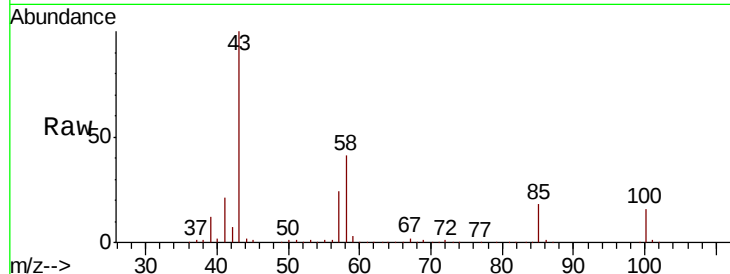




#51
4-Methyl-2-Pentanone
Concen: 298.174 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

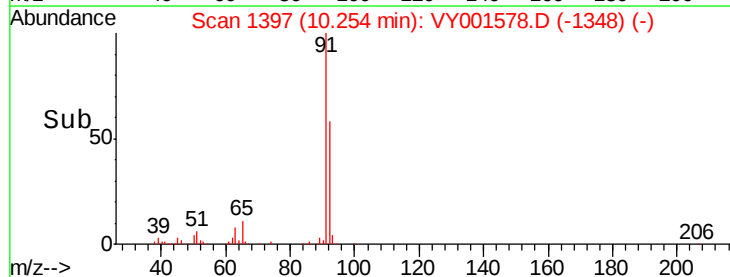
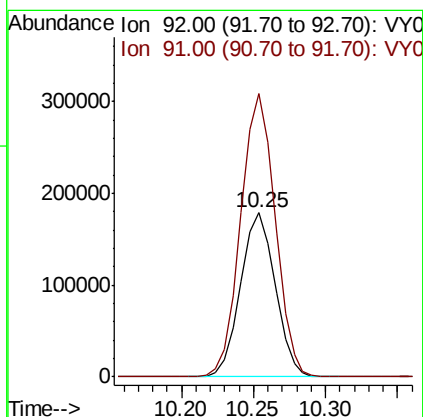
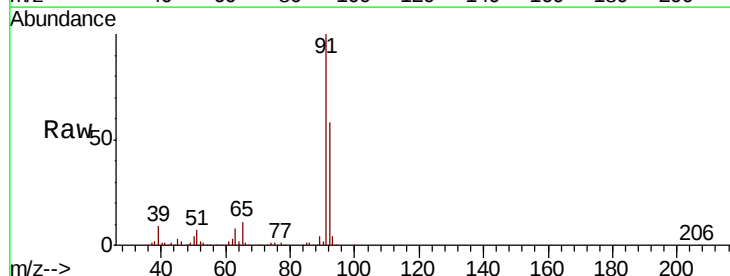
Instrument :
MSVOA_Y
ClientSampled :

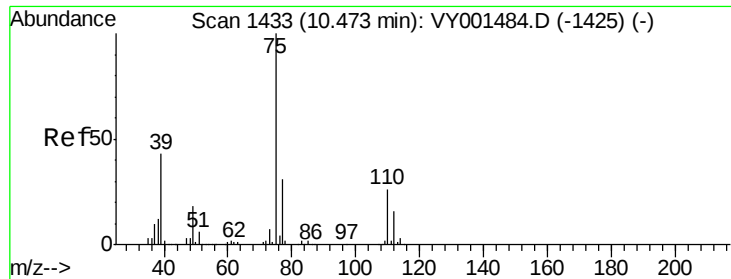
Tot Ion: 43 Resp: 464722
Ion Ratio Lower Upper
43 100
58 39.9 33.9 50.9



#52
Toluene
Concen: 50.049 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion: 92 Resp: 299078
Ion Ratio Lower Upper
92 100
91 171.6 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 49.843 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

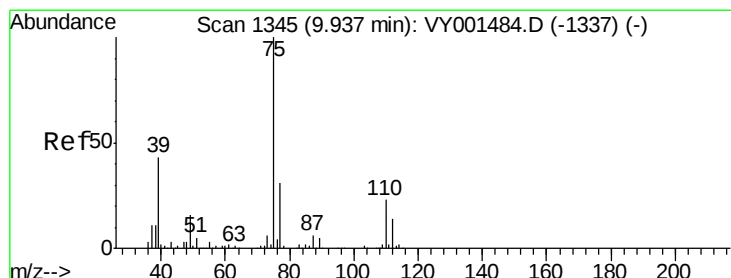
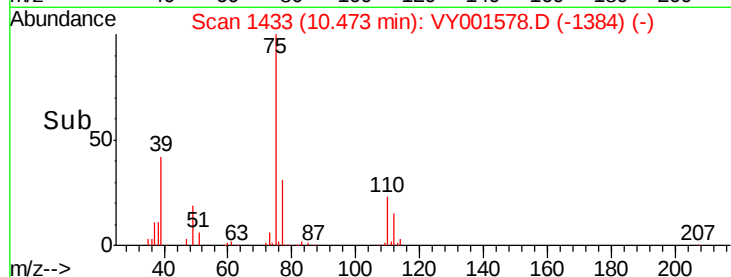
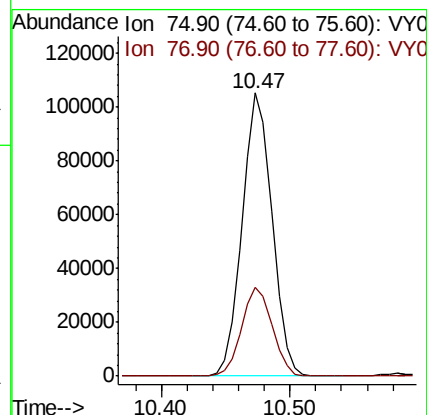
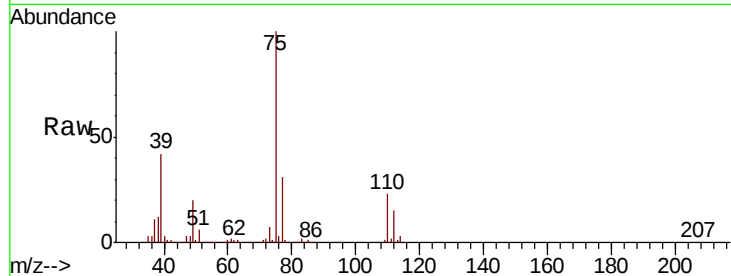
ClientSampled :

Tot Ion: 75 Resp: 168919

Ion Ratio Lower Upper

75 100

77 31.2 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 49.115 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

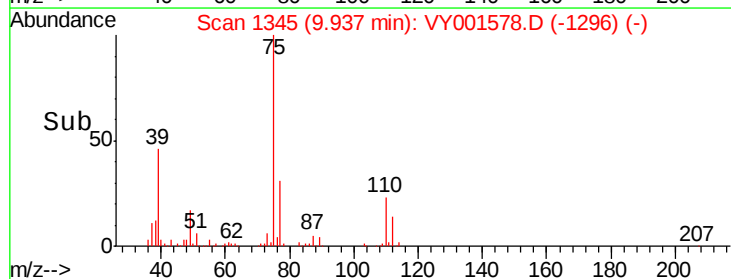
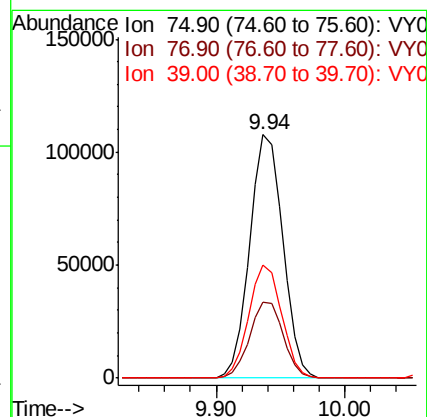
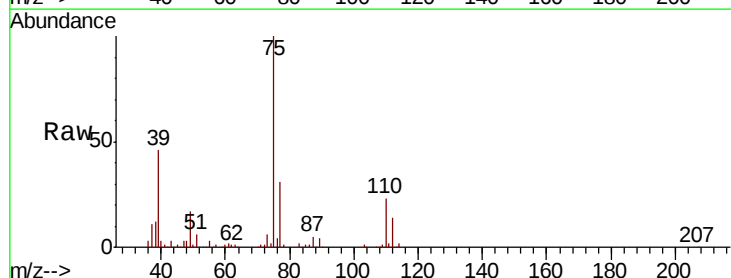
Tgt Ion: 75 Resp: 191092

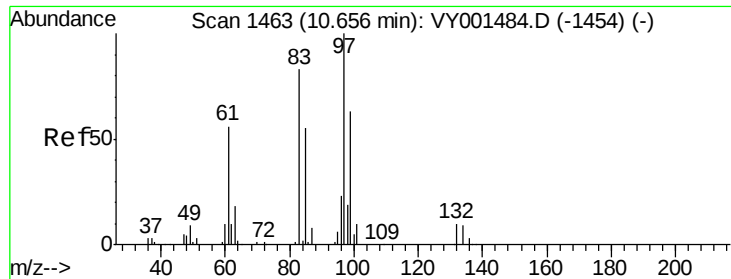
Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1

39 46.2 34.0 51.0

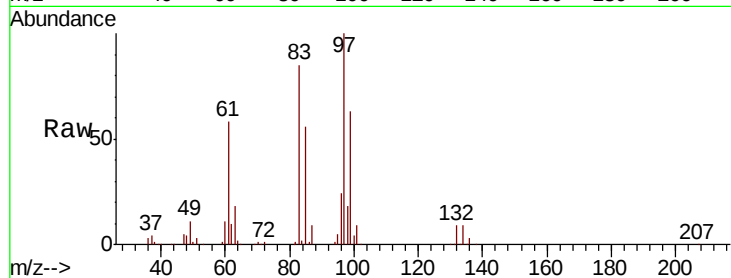




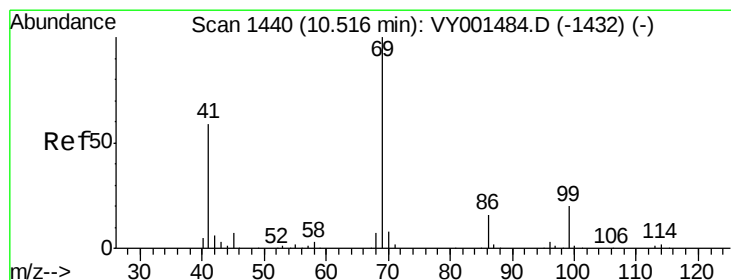
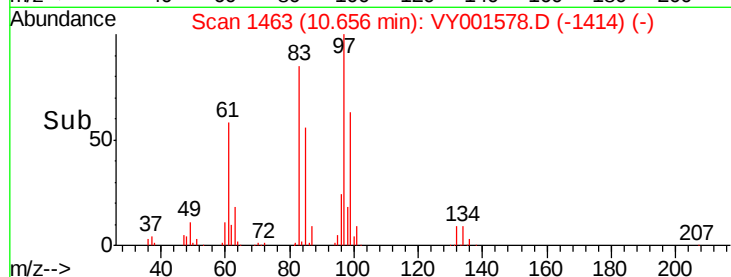
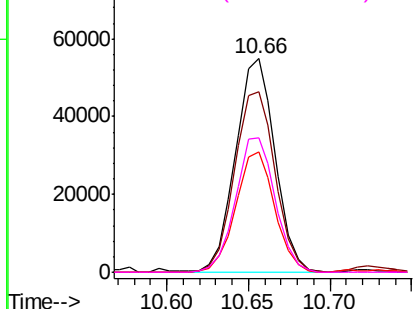
#55
 1,1,2-Trichloroethane
 Concen: 50.153 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 97 Resp: 91890
 Ion Ratio Lower Upper
 97 100
 83 84.6 66.2 99.2
 85 56.0 43.8 65.6
 99 62.9 50.1 75.1

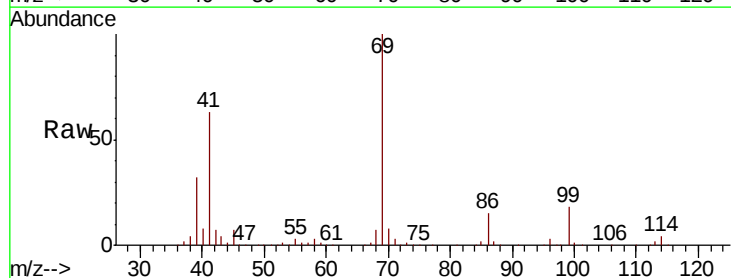


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

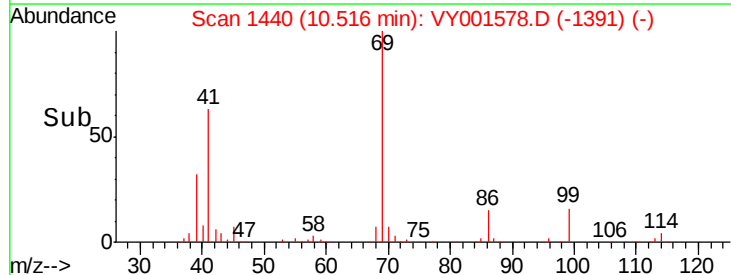
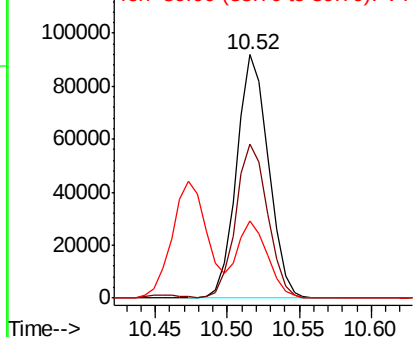


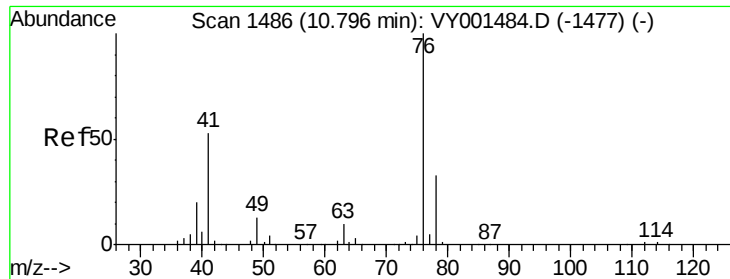
#56
 Ethyl methacrylate
 Concen: 54.134 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

Tgt Ion: 69 Resp: 141073
 Ion Ratio Lower Upper
 69 100
 41 63.6 47.8 71.8
 39 30.1 24.4 36.6



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

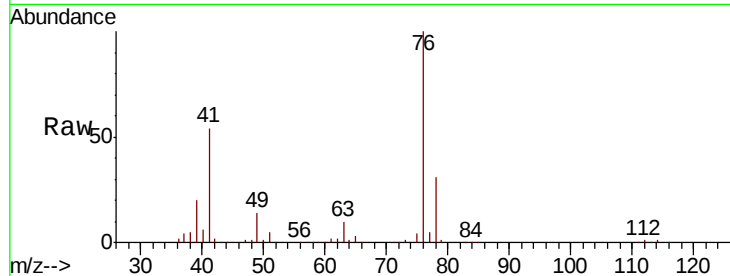




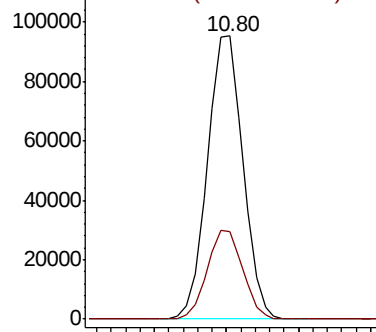
#57
 1,3-Dichloropropane
 Concen: 50.506 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :

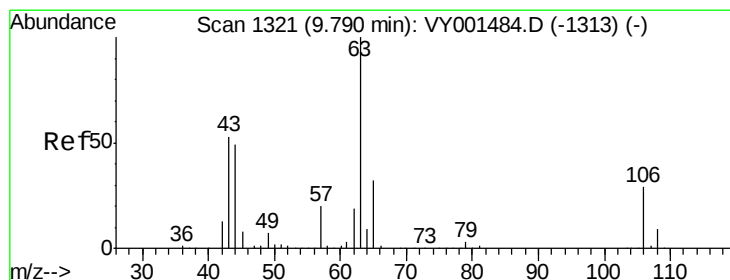
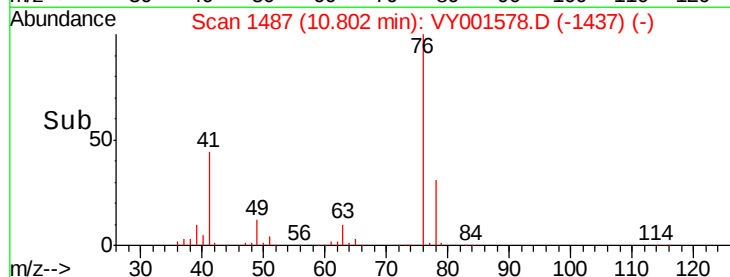
Tot Ion: 76 Resp: 163122
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VY0
 Ion 77.90 (77.60 to 78.60): VY0

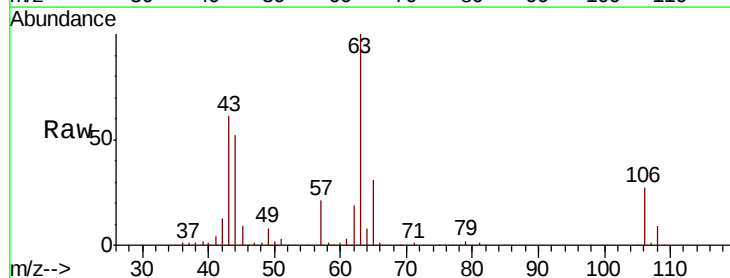


Time-->

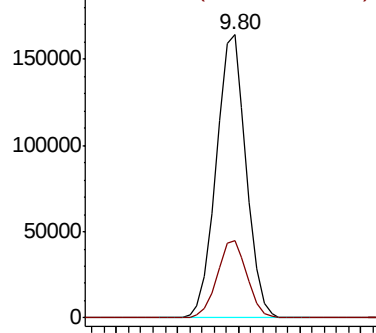


#58
 2-Chloroethyl Vinyl ether
 Concen: 289.743 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

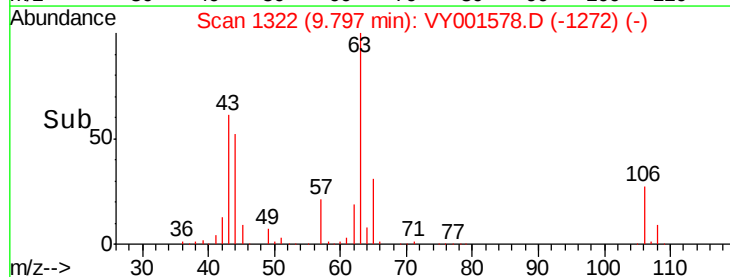
Tgt Ion: 63 Resp: 277773
 Ion Ratio Lower Upper
 63 100
 106 27.4 24.0 36.0

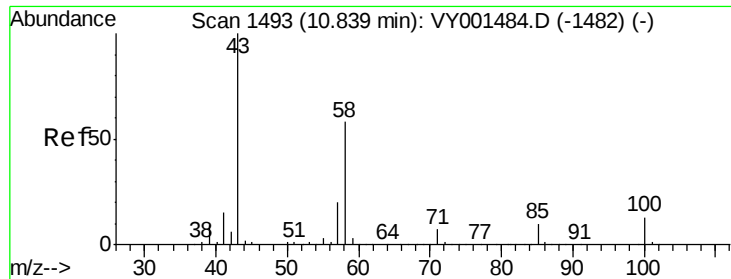


Abundance Ion 62.90 (62.60 to 63.60): VY0
 Ion 105.90 (105.60 to 106.60): V



Time-->

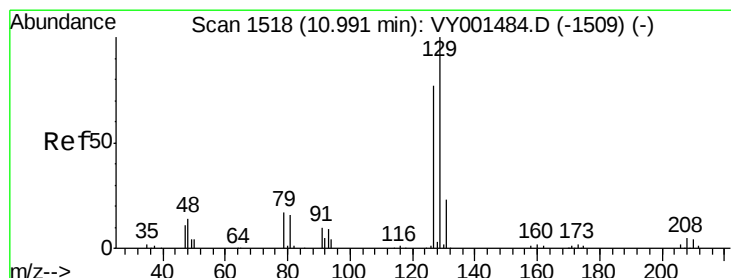
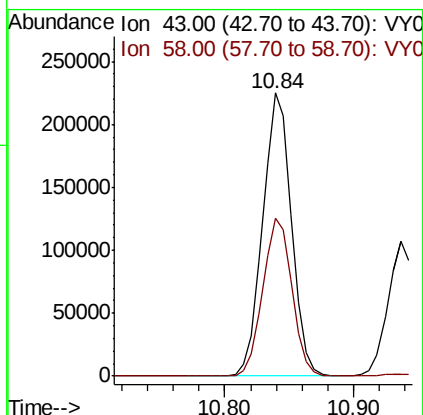
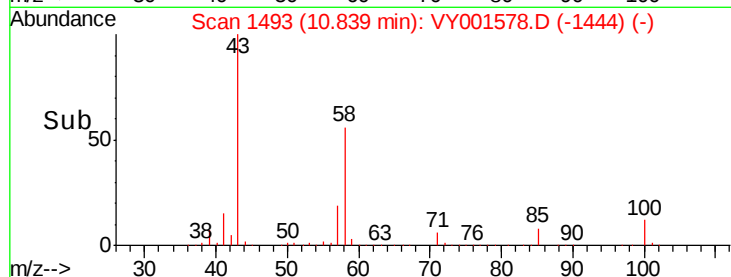
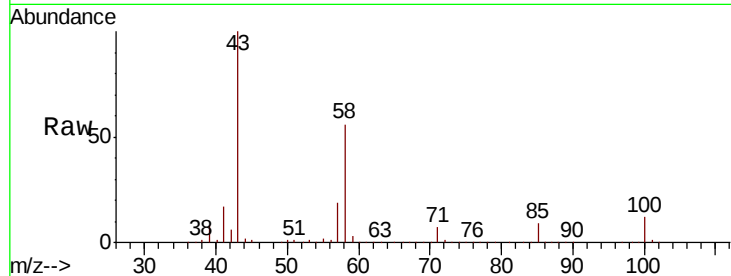




#59
2-Hexanone
Concen: 306.986 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

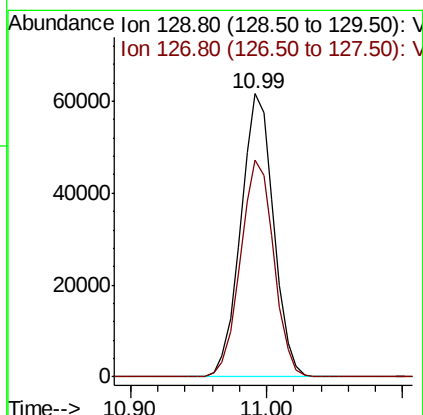
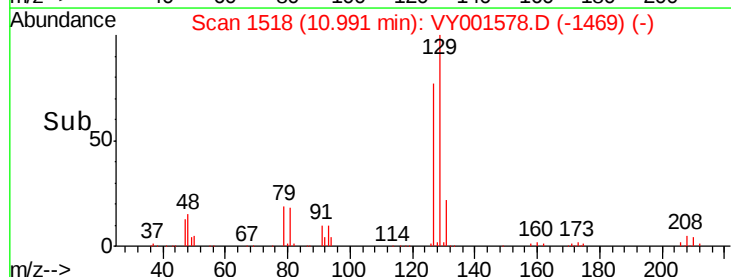
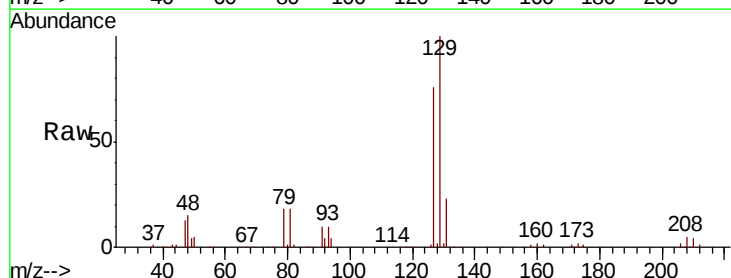
Instrument :
MSVOA_Y
ClientSampleId :

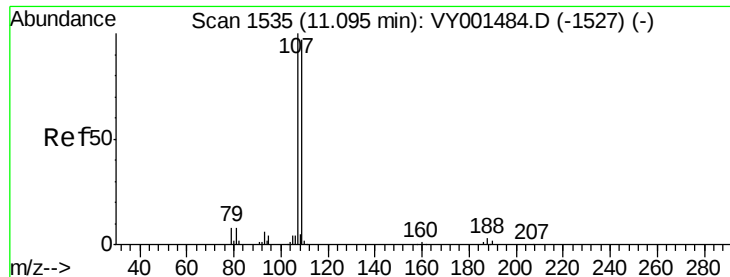
Tot Ion: 43 Resp: 347880
Ion Ratio Lower Upper
43 100
58 56.7 29.0 87.0



#60
Dibromochloromethane
Concen: 48.032 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion:129 Resp: 103736
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 48.735 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

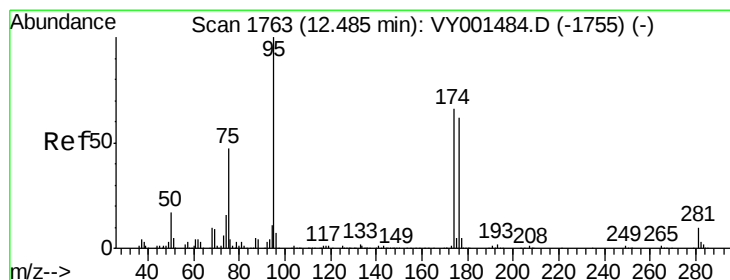
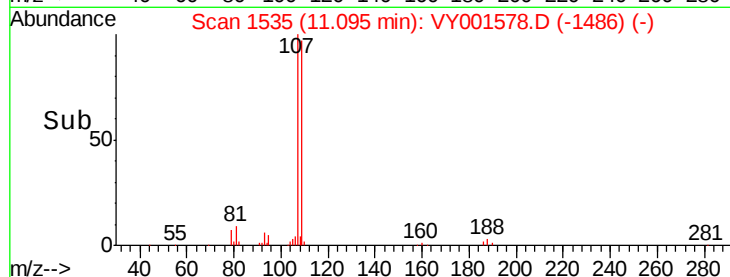
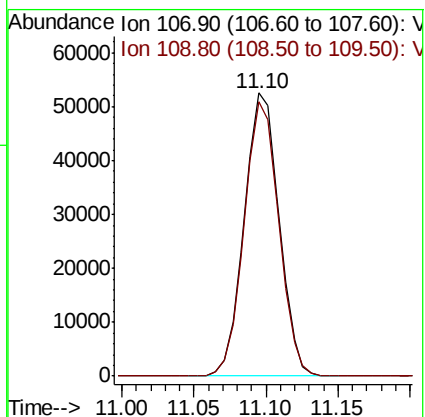
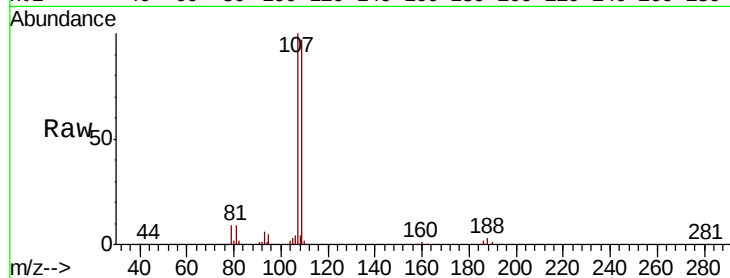
ClientSampleId :

Tot Ion:107 Resp: 87949

Ion Ratio Lower Upper

107 100

109 96.3 76.2 114.2



#62

4-Bromofluorobenzene

Concen: 51.572 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

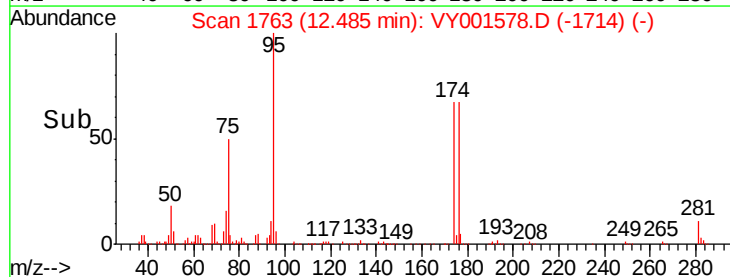
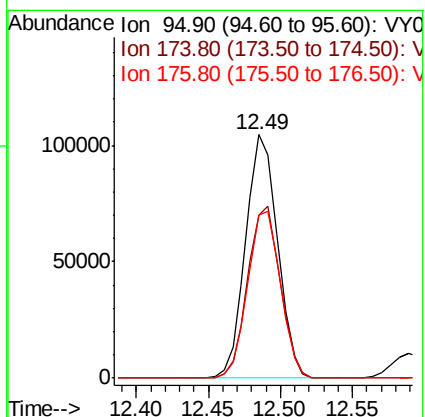
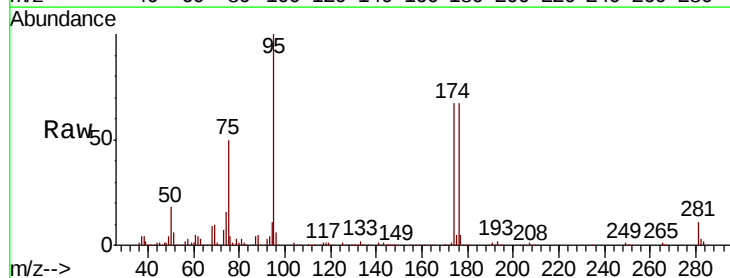
Tgt Ion: 95 Resp: 159982

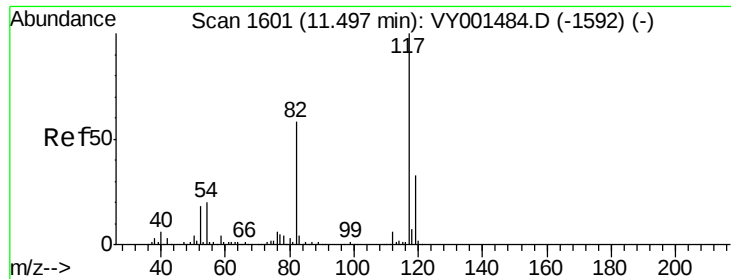
Ion Ratio Lower Upper

95 100

174 72.2 0.0 141.4

176 70.3 0.0 135.4

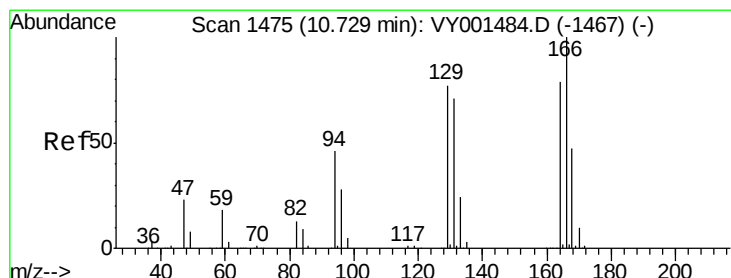
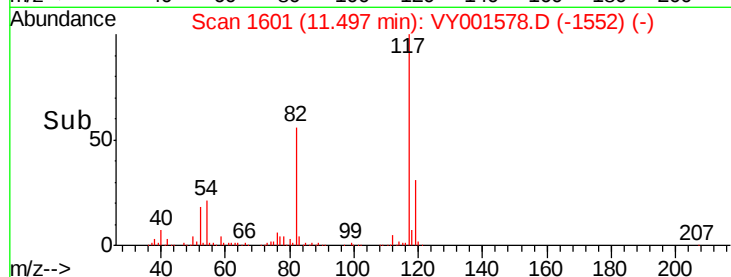
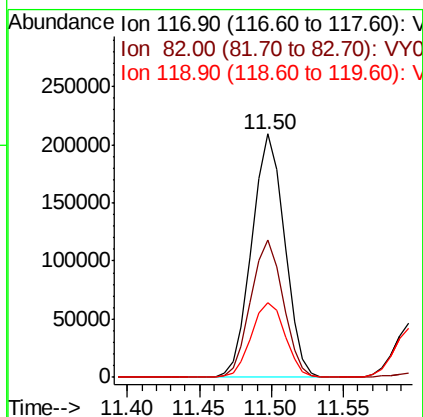
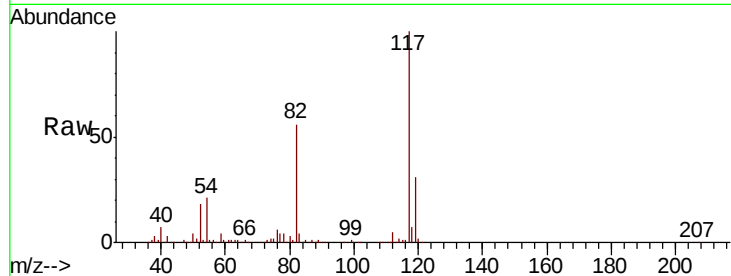




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

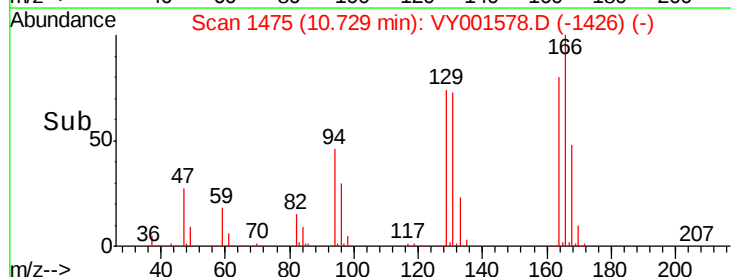
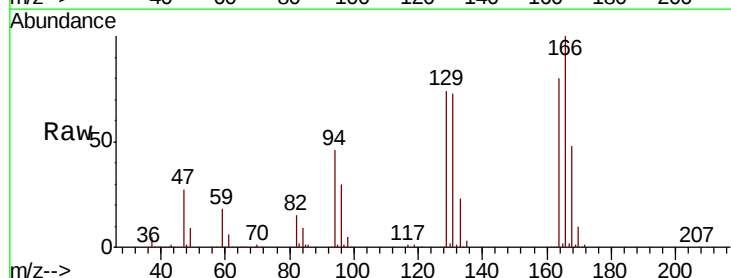
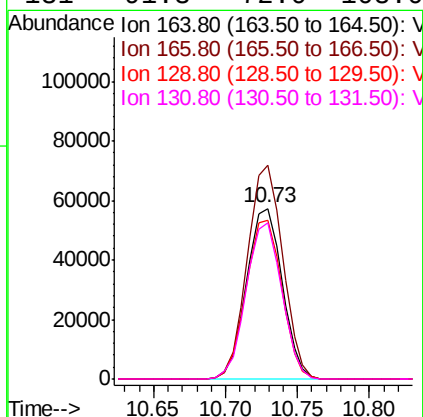
Instrument :
MSVOA_Y
ClientSampleId :

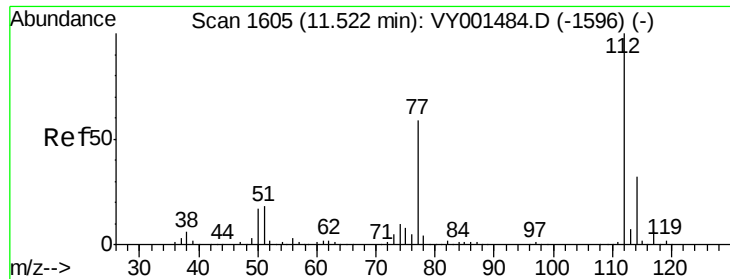
Tot Ion:117 Resp: 329920
Ion Ratio Lower Upper
117 100
82 56.4 46.1 69.1
119 30.6 26.1 39.1



#64
Tetrachloroethene
Concen: 45.468 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion:164 Resp: 98377
Ion Ratio Lower Upper
164 100
166 125.0 100.8 151.2
129 92.5 77.8 116.6
131 91.3 72.0 108.0

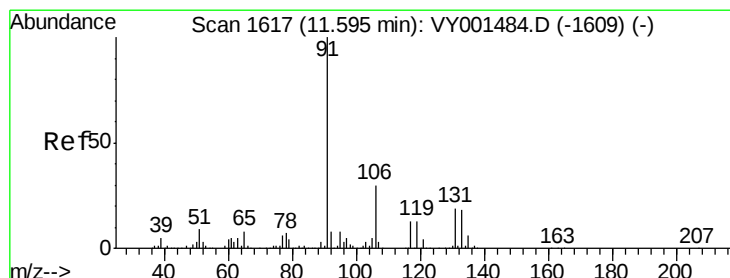
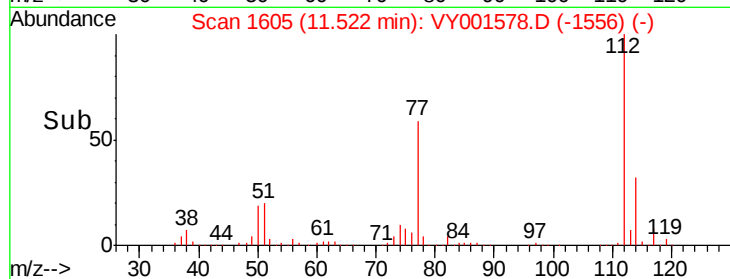
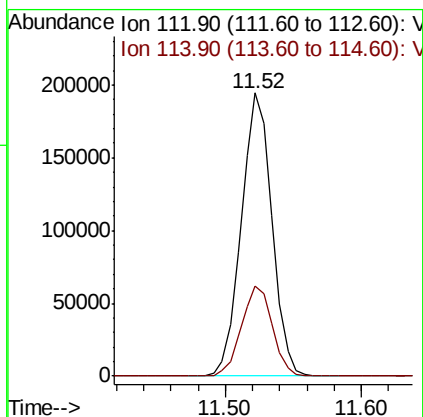
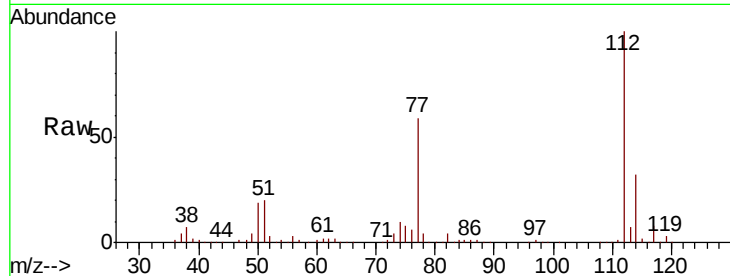




#65
Chlorobenzene
Concen: 47.182 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

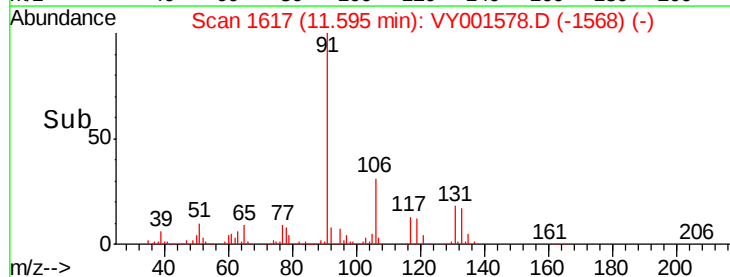
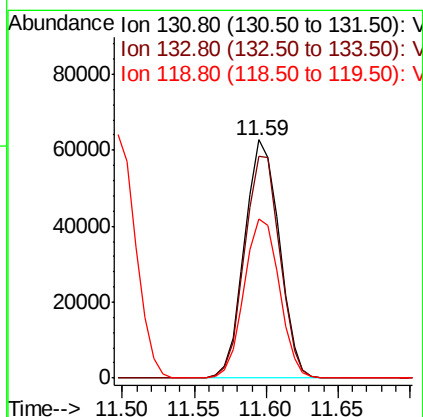
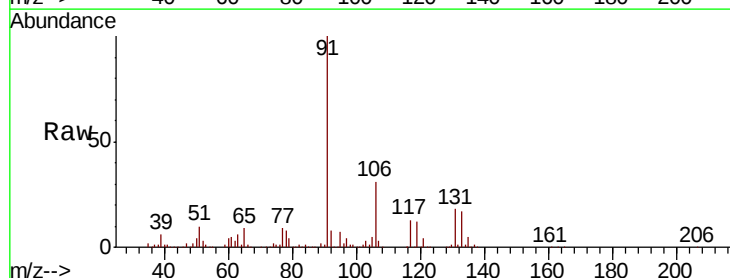
Instrument :
MSVOA_Y
ClientSampleId :

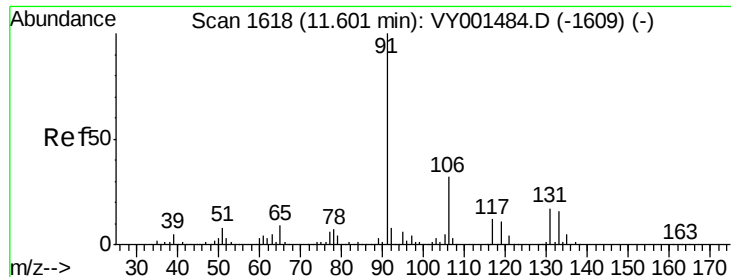
Tot Ion:112 Resp: 305645
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 46.251 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion:131 Resp: 104862
Ion Ratio Lower Upper
131 100
133 94.6 47.9 143.8
119 67.5 33.7 101.0

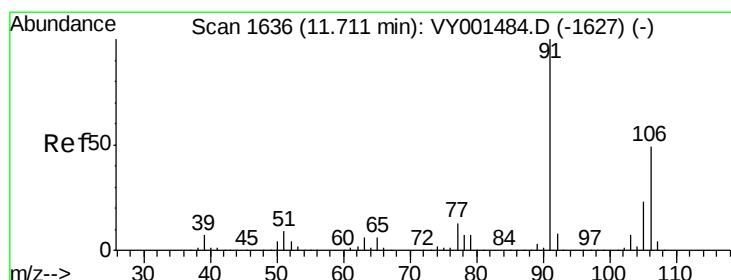
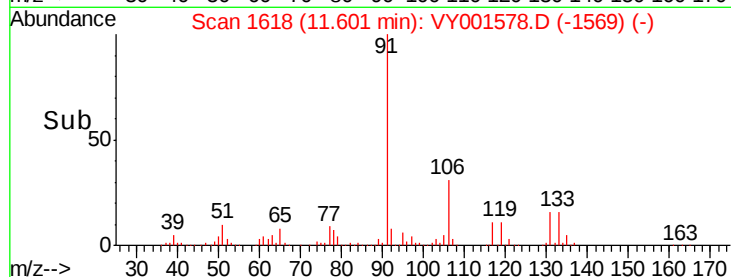
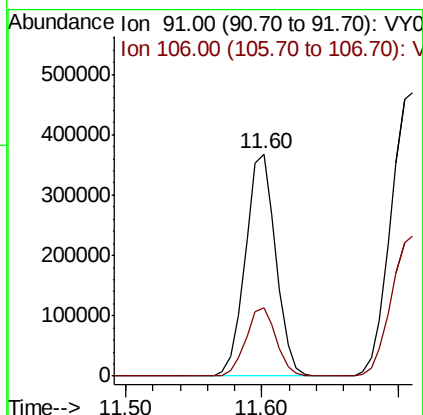
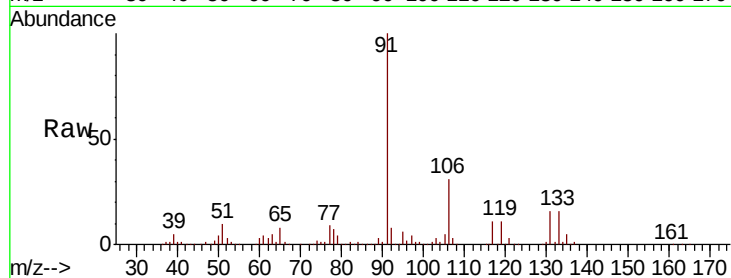




#67
Ethyl Benzene
Concen: 48.016 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

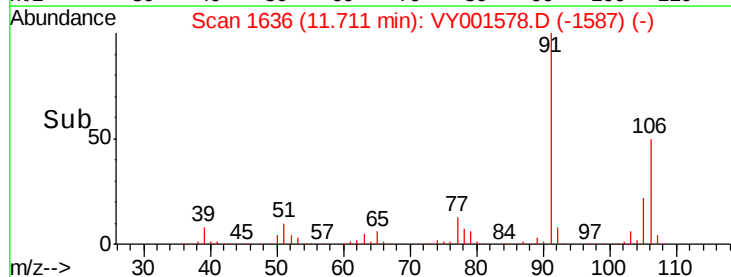
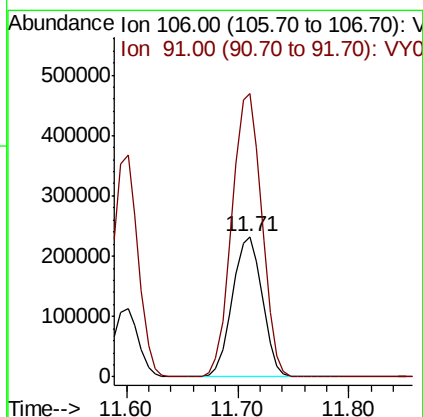
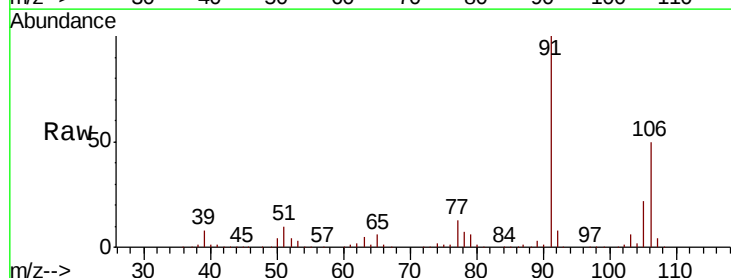
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 91 Resp: 575108
Ion Ratio Lower Upper
91 100
106 30.8 25.3 37.9



#68
m/p-Xylenes
Concen: 96.071 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion: 106 Resp: 431976
Ion Ratio Lower Upper
106 100
91 202.1 163.6 245.4

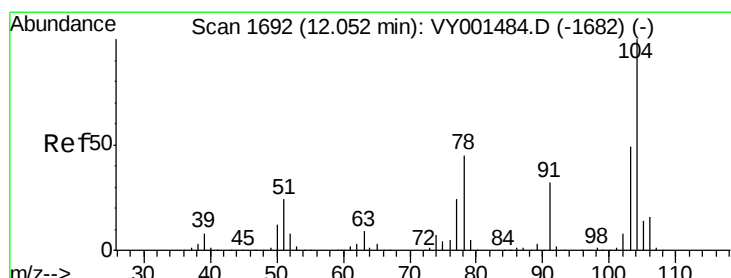
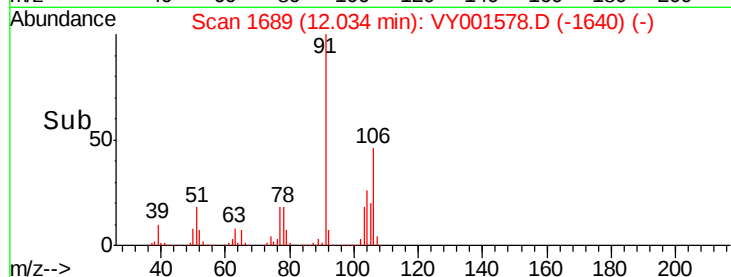
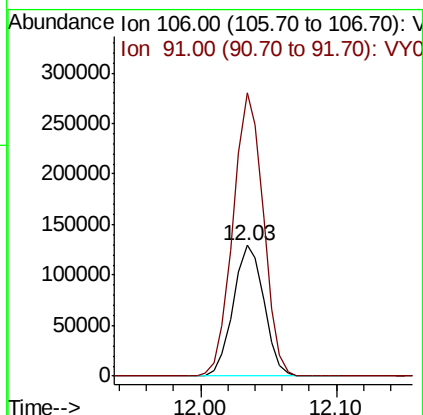
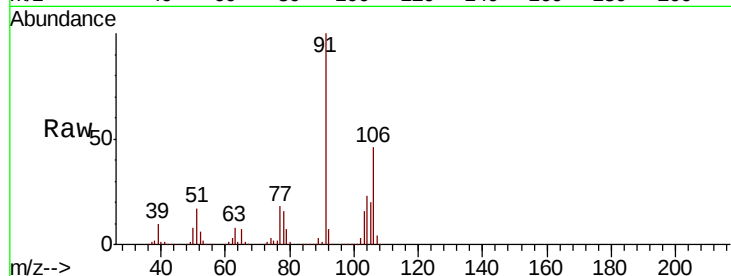




#69
o-Xylene
Concen: 48.017 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

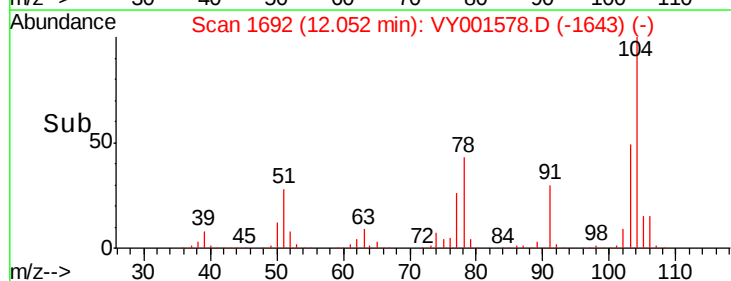
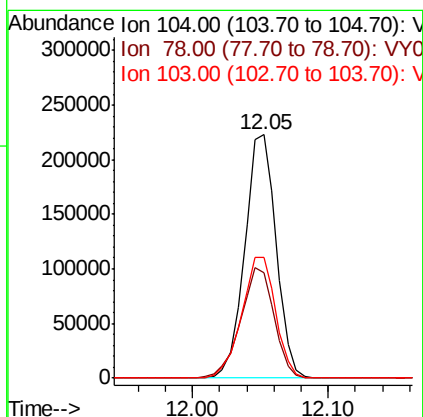
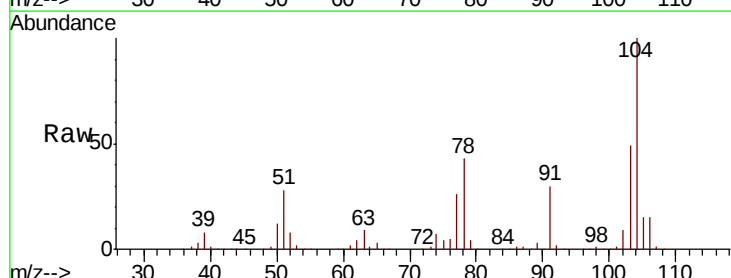
Instrument :
MSVOA_Y
ClientSampleId :

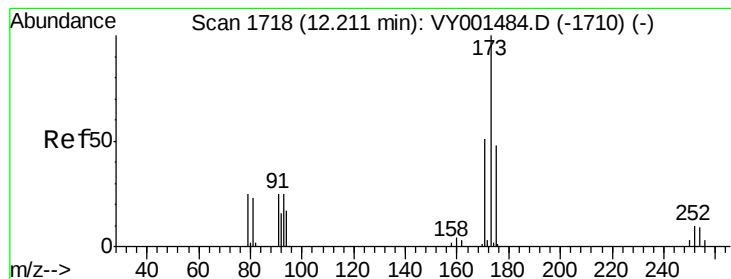
Tot Ion:106 Resp: 203569
Ion Ratio Lower Upper
106 100
91 213.8 106.0 318.0



#70
Styrene
Concen: 48.987 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion:104 Resp: 359143
Ion Ratio Lower Upper
104 100
78 48.3 40.4 60.6
103 53.8 42.8 64.2





#71

Bromoform

Concen: 48.593 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

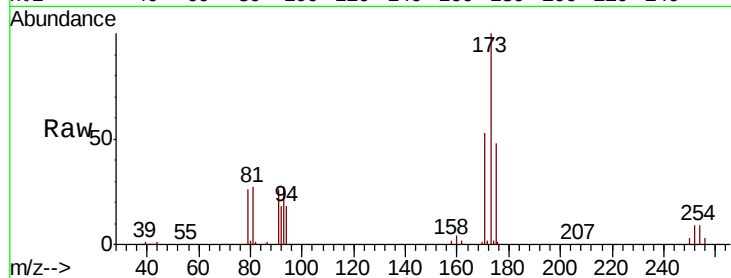
Tot Ion:173 Resp: 61346

Ion Ratio Lower Upper

173 100

175 48.4 24.0 72.0

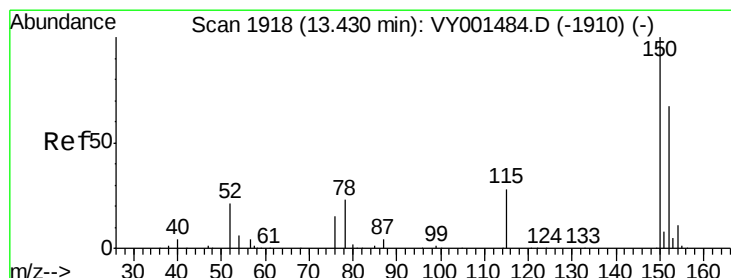
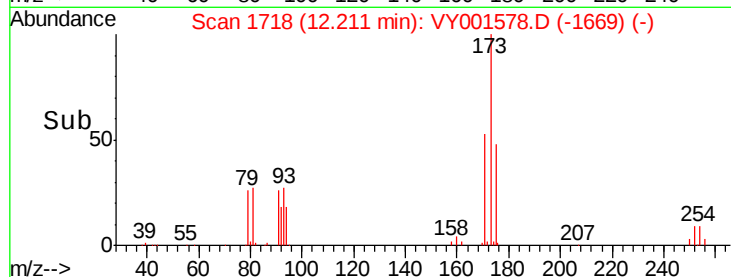
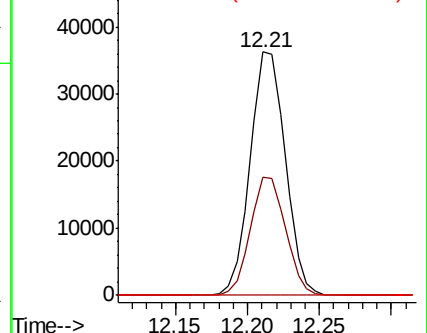
254 0.0 0.1 0.1#



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: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

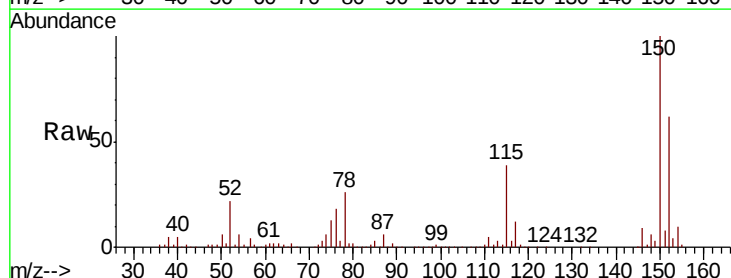
Tgt Ion:152 Resp: 155825

Ion Ratio Lower Upper

152 100

115 62.2 31.4 94.3

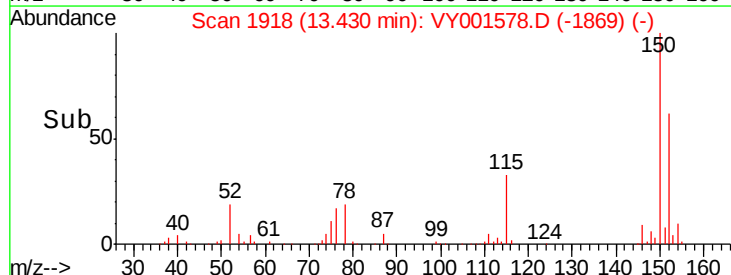
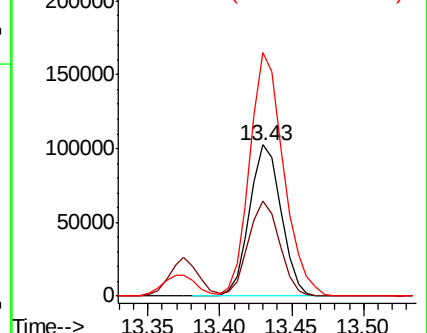
150 171.9 0.0 346.8

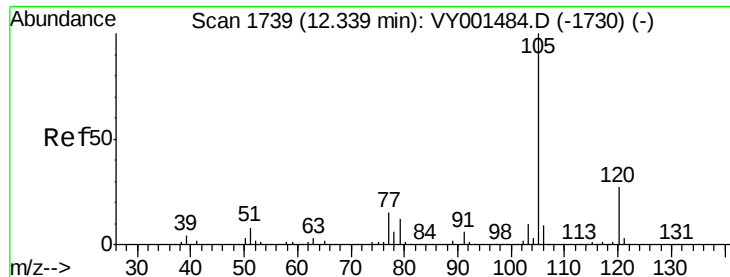


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.789 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

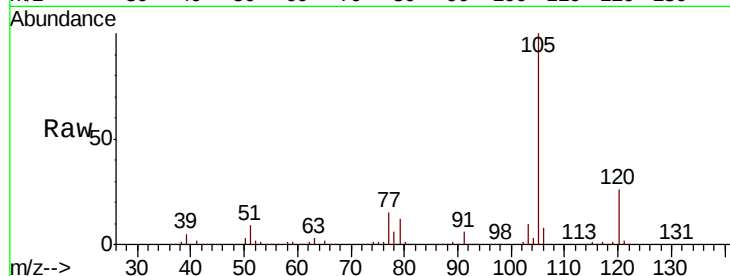
ClientSampleId :

Tot Ion:105 Resp: 556064

Ion Ratio Lower Upper

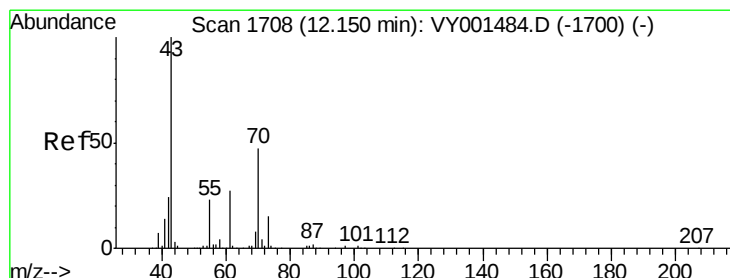
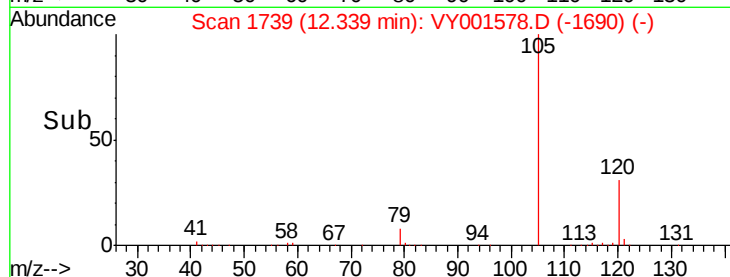
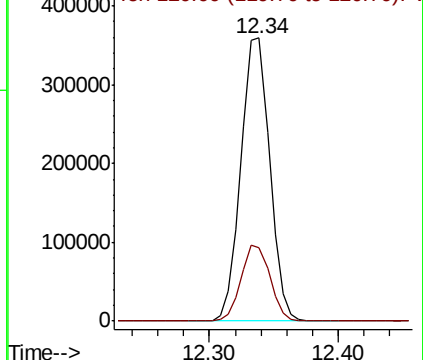
105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.098 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Tgt Ion: 43 Resp: 173243

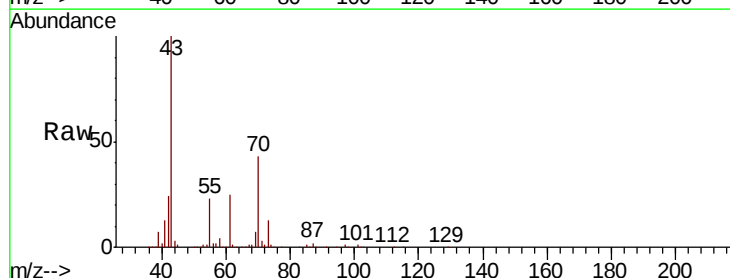
Ion Ratio Lower Upper

43 100

70 42.8 37.2 55.8

55 23.0 18.8 28.2

61 25.5 21.4 32.2

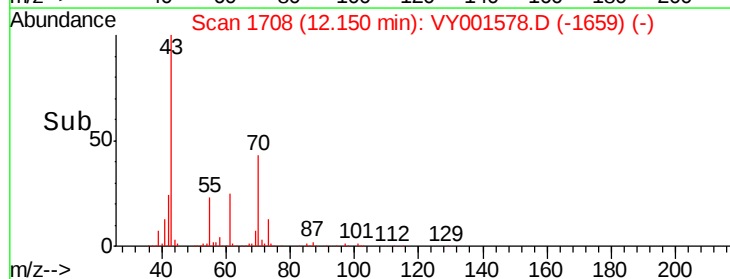
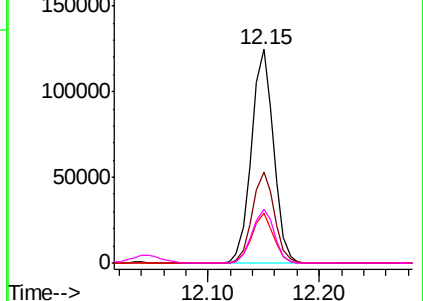


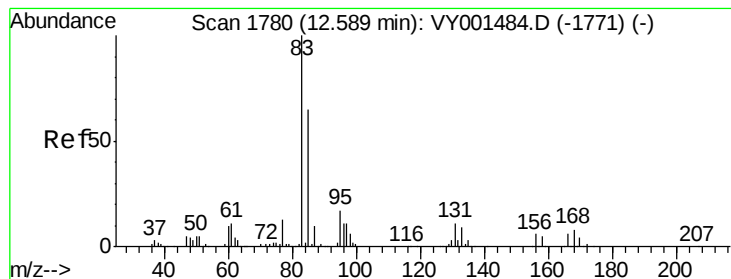
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.228 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

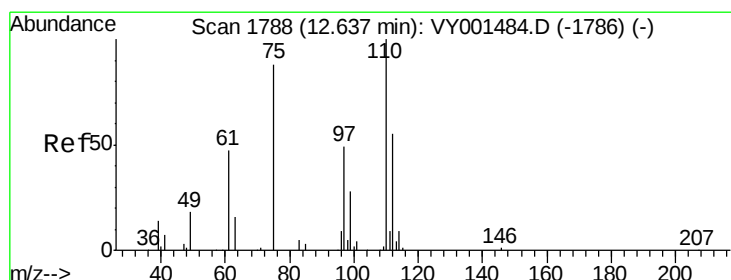
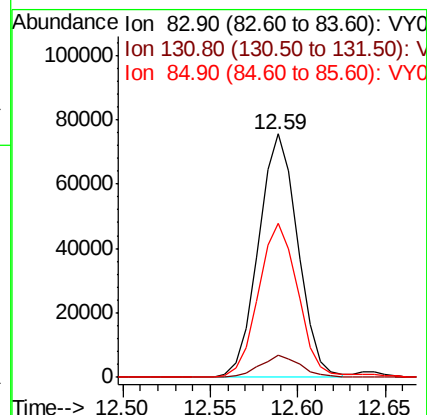
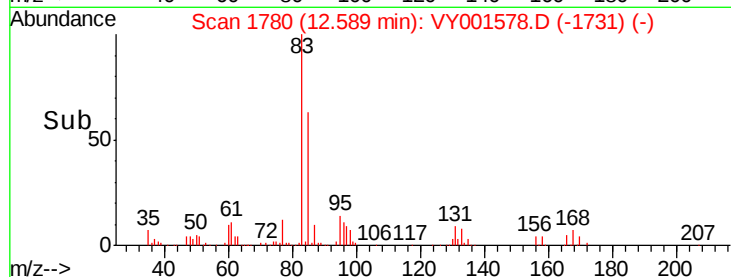
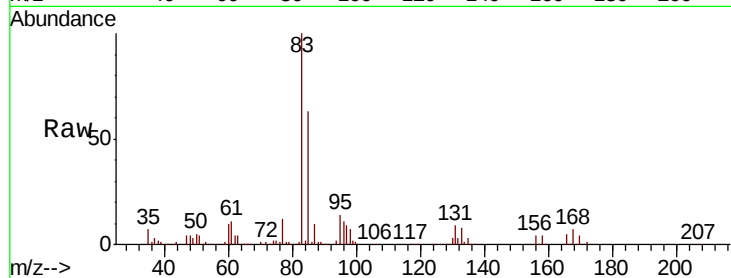
Tot Ion: 83 Resp: 117928

Ion Ratio Lower Upper

83 100

131 9.3 5.4 16.2

85 63.6 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 91.996 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY001578.D

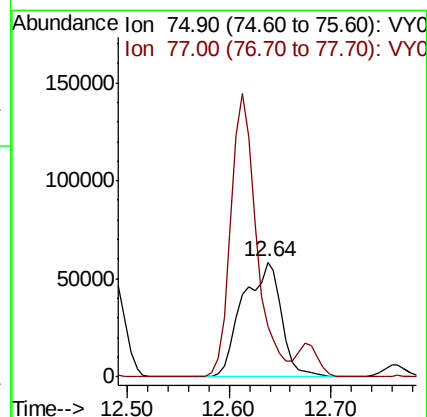
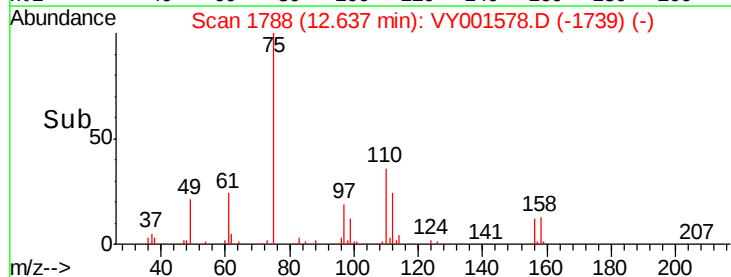
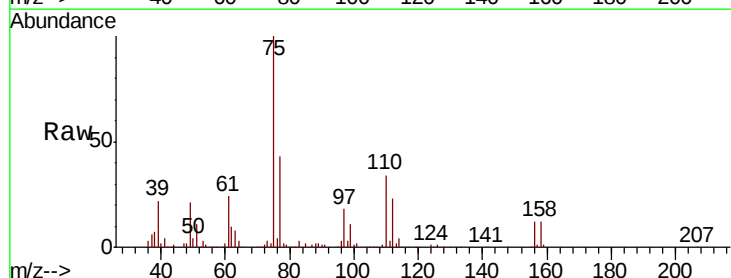
Acq: 10 Feb 2020 11:56

Tgt Ion: 75 Resp: 154162

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 46.143 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

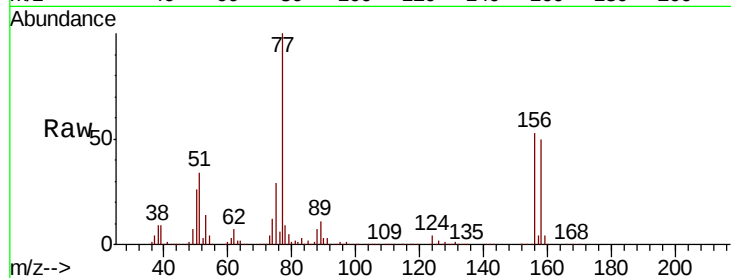
Tot Ion:156 Resp: 118676

Ion Ratio Lower Upper

156 100

77 211.9 99.8 299.3

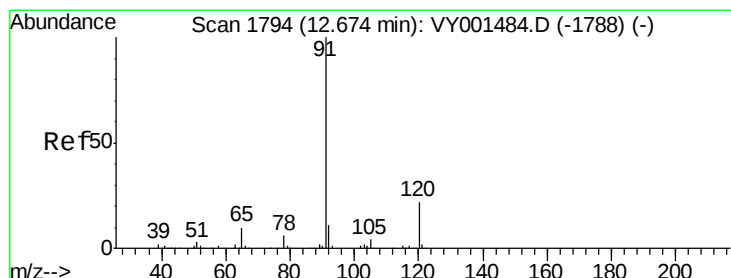
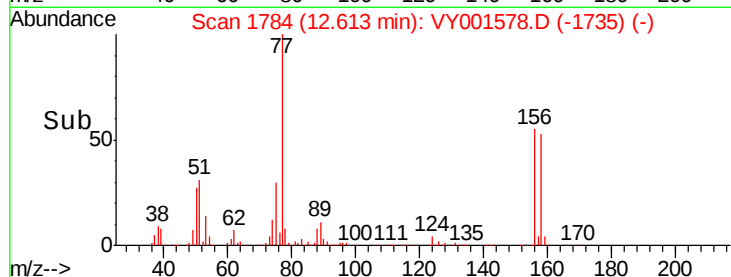
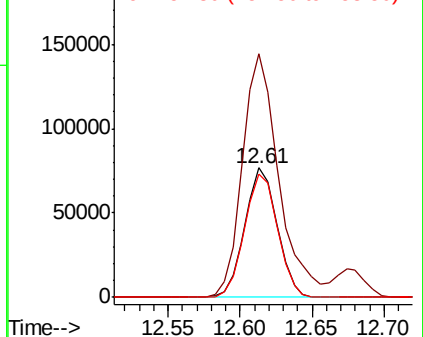
158 97.3 47.5 142.6



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: 47.996 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY001578.D

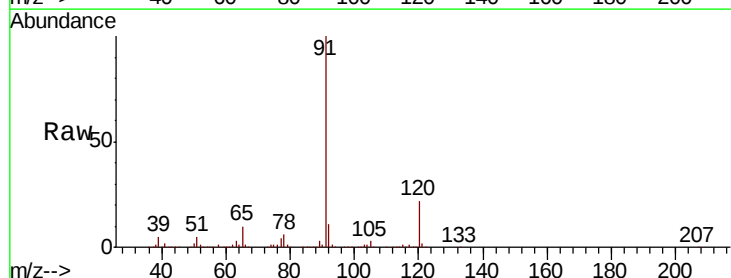
Acq: 10 Feb 2020 11:56

Tgt Ion: 91 Resp: 682872

Ion Ratio Lower Upper

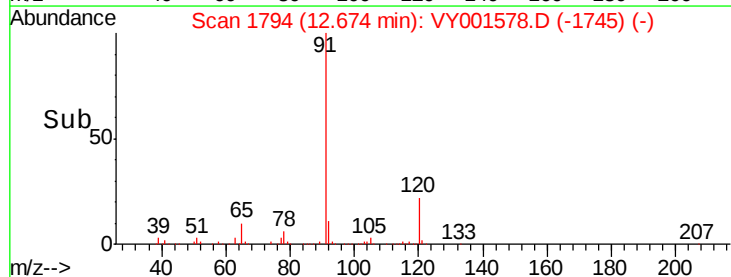
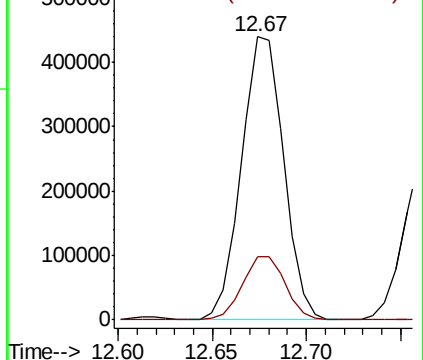
91 100

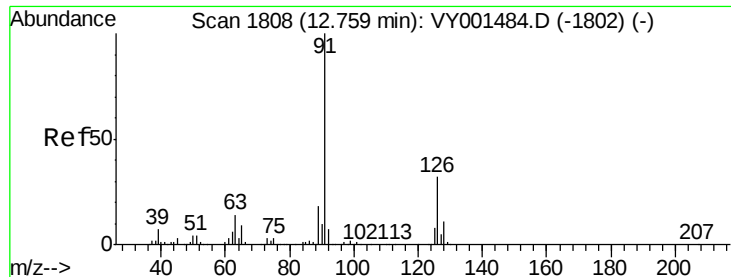
120 22.6 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.642 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

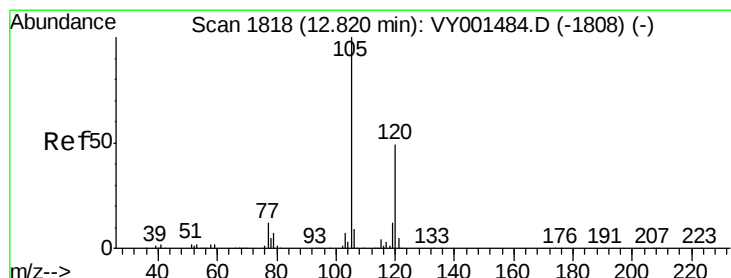
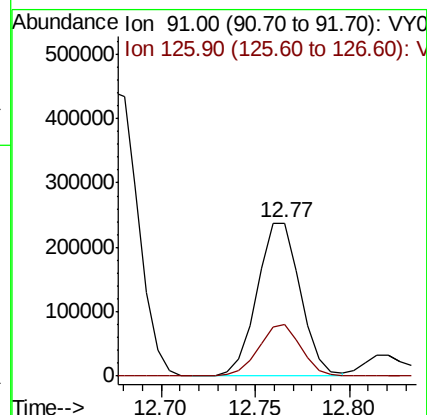
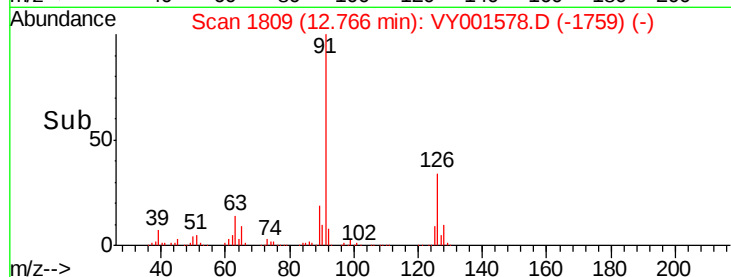
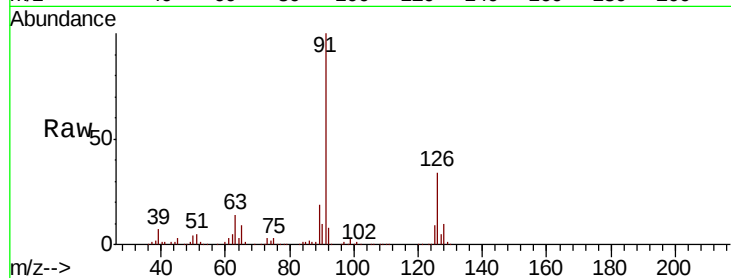
ClientSampleId :

Tot Ion: 91 Resp: 378269

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 46.614 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001578.D

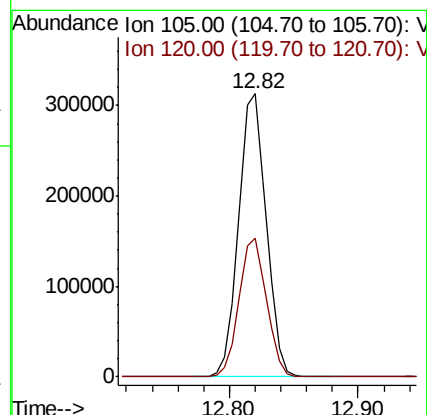
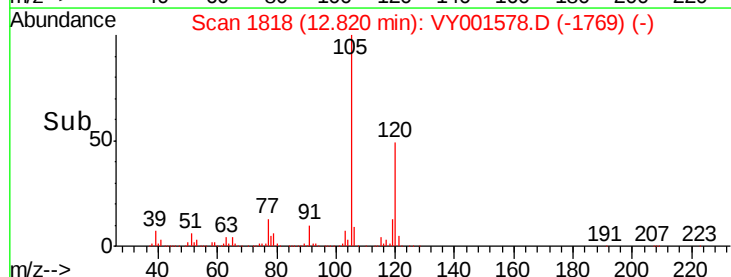
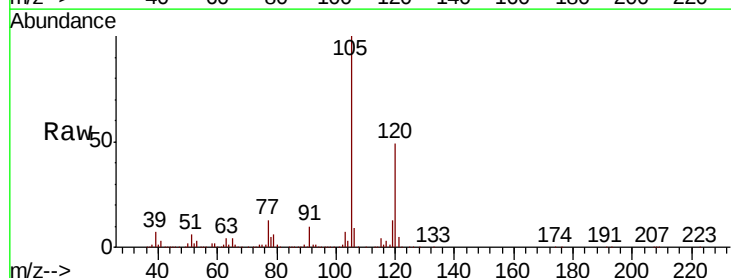
Acq: 10 Feb 2020 11:56

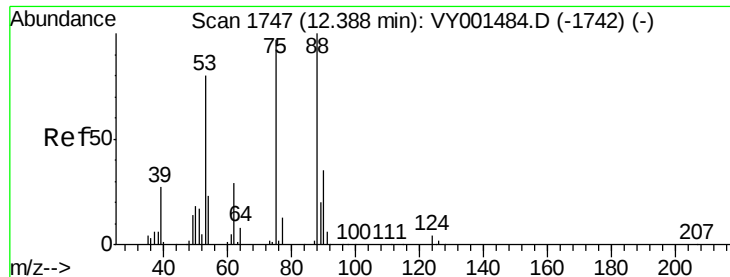
Tgt Ion: 105 Resp: 466546

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.342 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

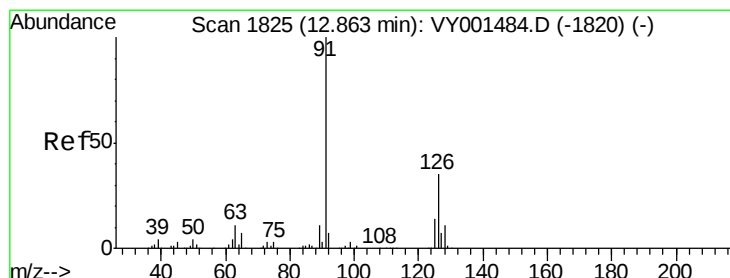
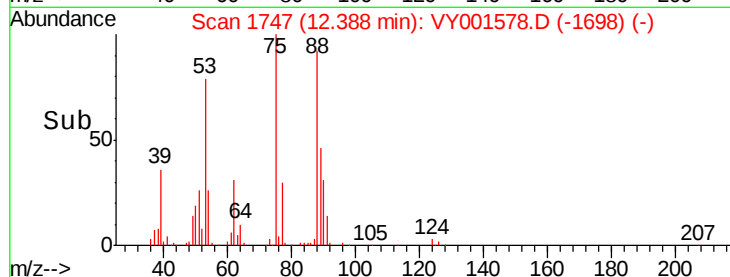
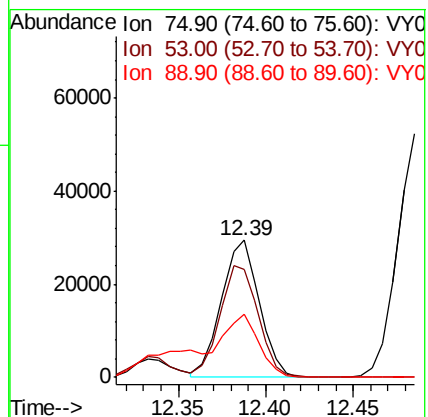
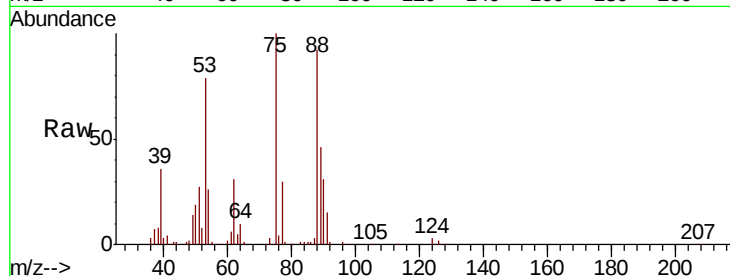
Tot Ion: 75 Resp: 44464

Ion Ratio Lower Upper

75 100

53 82.1 67.7 101.5

89 45.4 34.6 52.0



#82

4-Chlorotoluene

Concen: 47.135 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001578.D

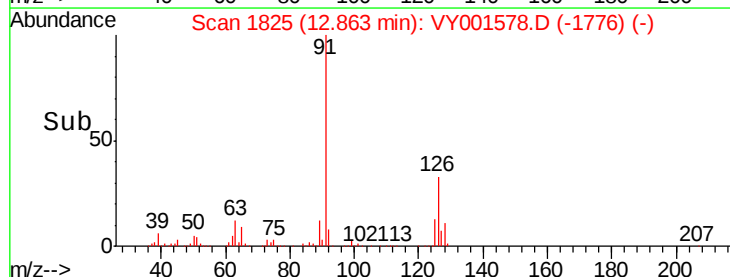
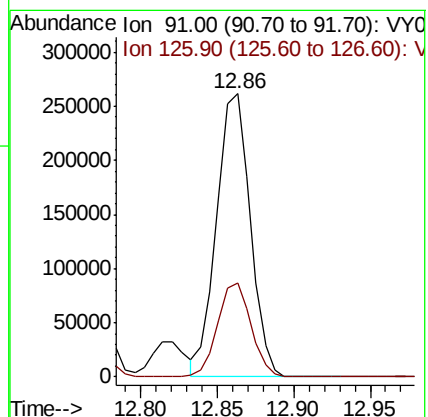
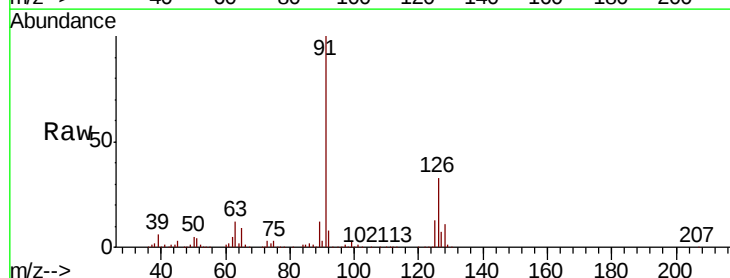
Acq: 10 Feb 2020 11:56

Tgt Ion: 91 Resp: 400793

Ion Ratio Lower Upper

91 100

126 33.0 16.5 49.5

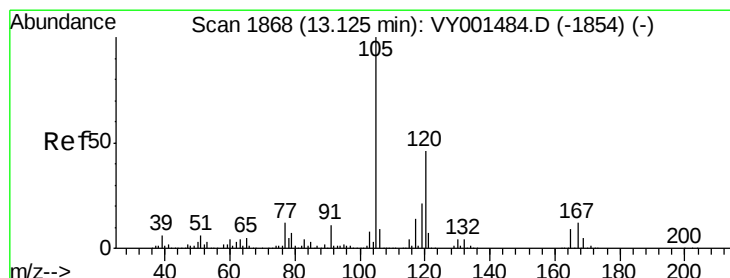
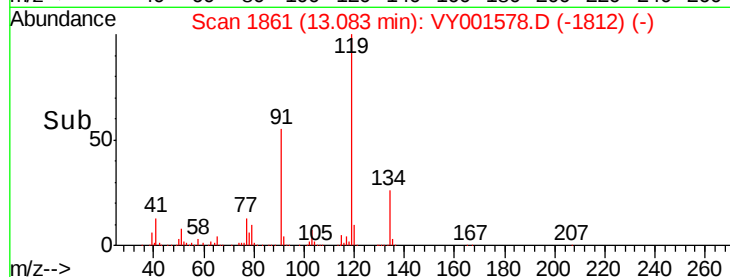
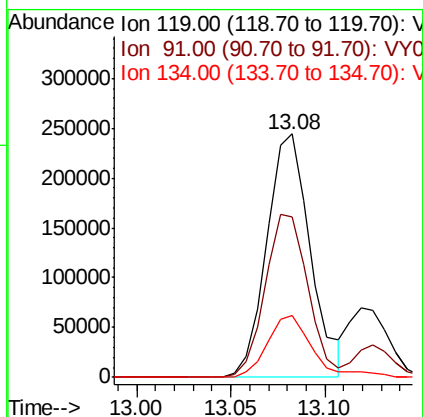
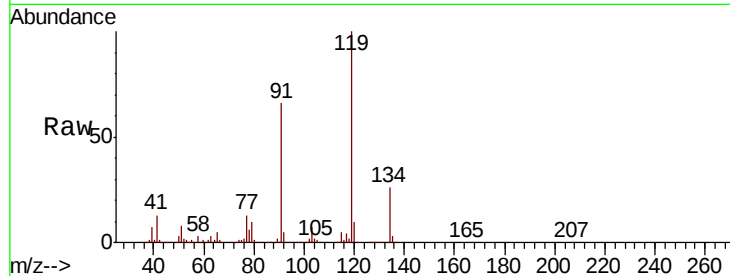




#83
tert-Butylbenzene
Concen: 46.445 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

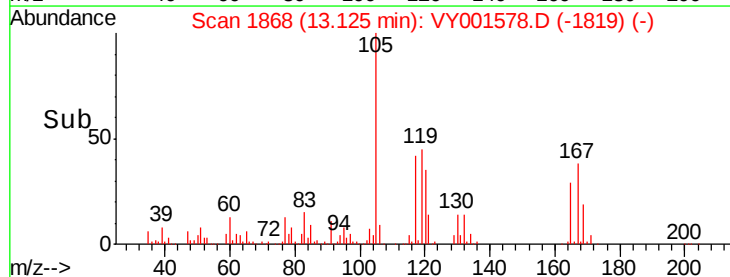
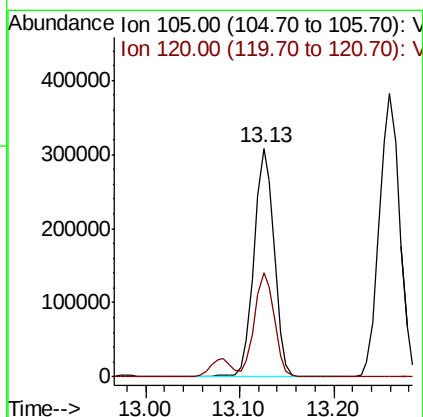
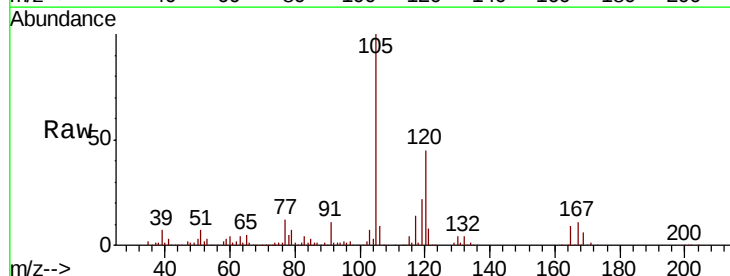
Instrument :
MSVOA_Y
ClientSampleId :

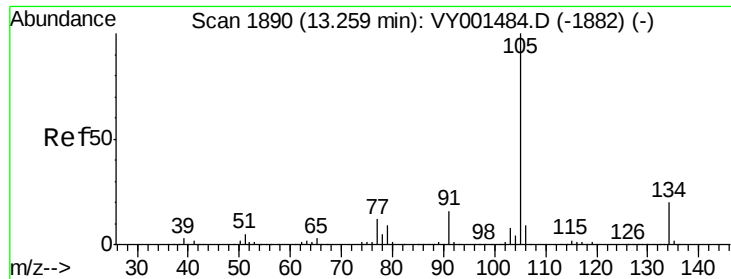
Tot Ion:119 Resp: 392934
Ion Ratio Lower Upper
119 100
91 65.7 33.1 99.3
134 26.4 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 46.276 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion:105 Resp: 458413
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.0

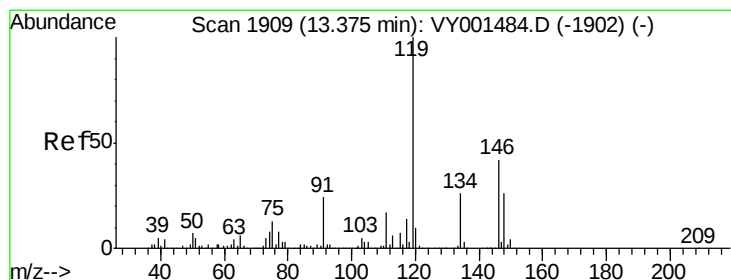
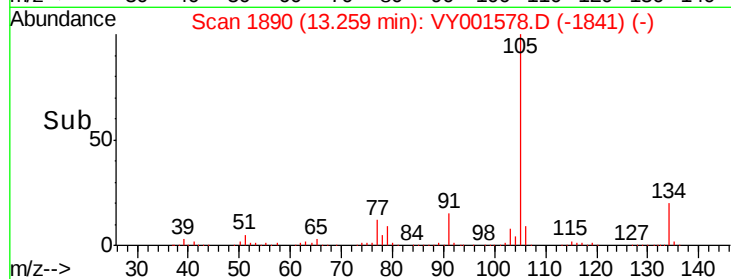
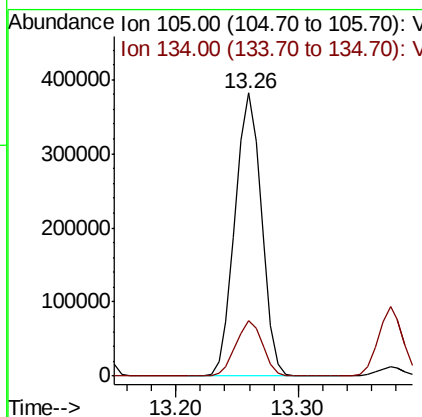
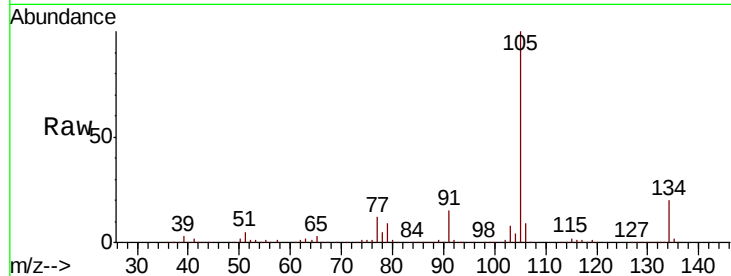




#85
 sec-Butylbenzene
 Concen: 48.209 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

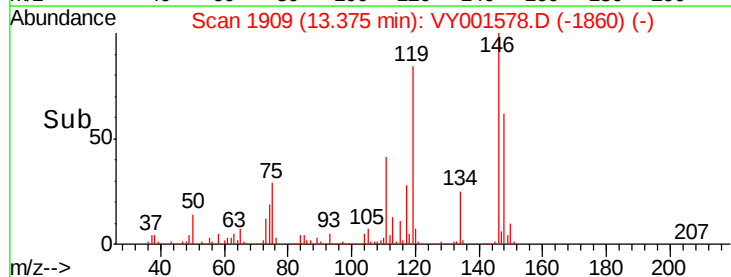
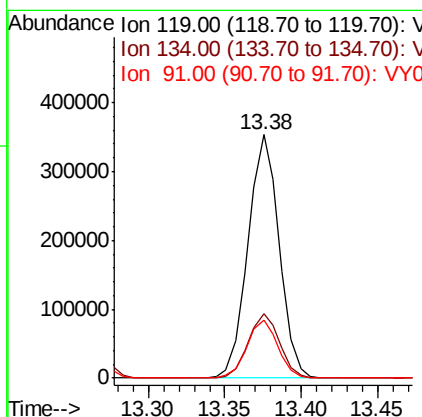
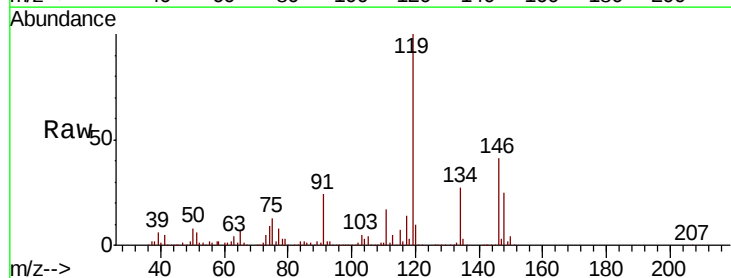
Instrument :
 MSVOA_Y
 ClientSampleId :

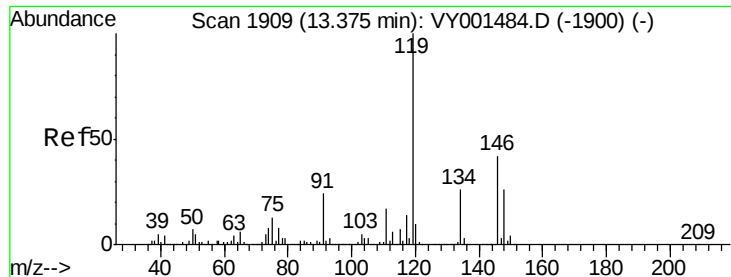
Tot Ion:105 Resp: 573437
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 47.690 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

Tgt Ion:119 Resp: 499882
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 23.6 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 46.958 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

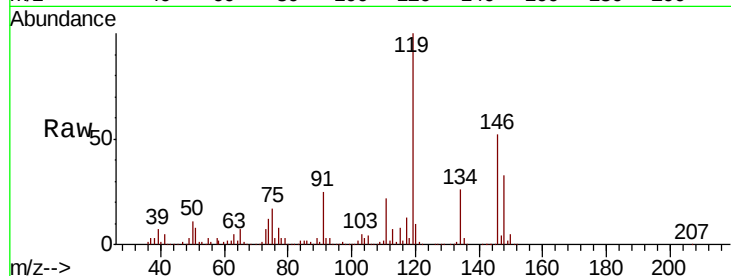
Tot Ion:146 Resp: 231453

Ion Ratio Lower Upper

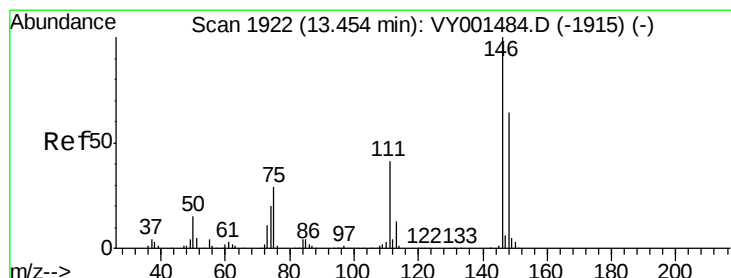
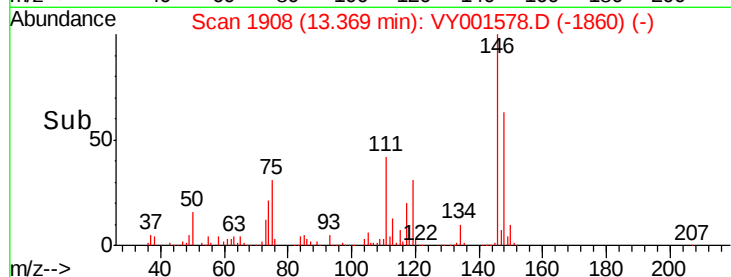
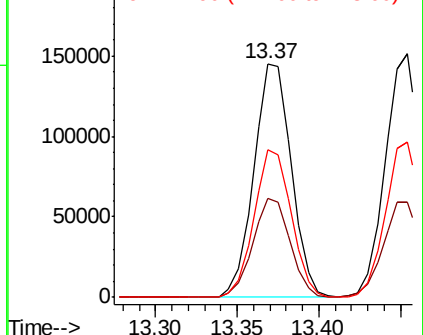
146 100

111 42.2 21.3 63.9

148 62.8 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



#88

1,4-Dichlorobenzene

Concen: 46.769 ug/l

RT: 13.45 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

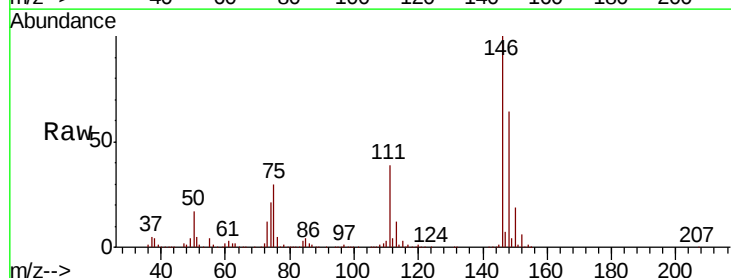
Tgt Ion:146 Resp: 230944

Ion Ratio Lower Upper

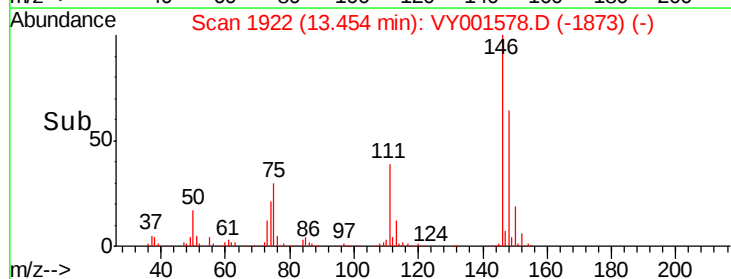
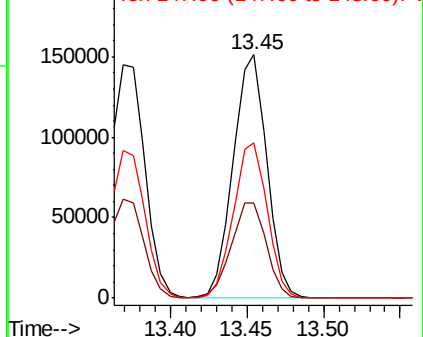
146 100

111 41.0 20.7 62.1

148 64.3 32.1 96.5



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





#89

n-Butylbenzene

Concen: 49.076 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

ClientSampled :

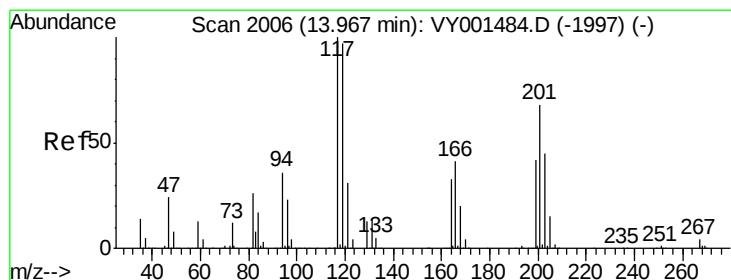
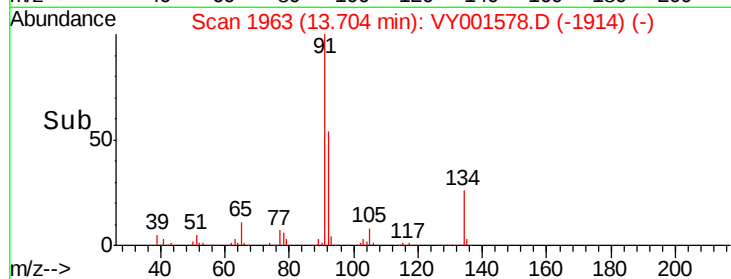
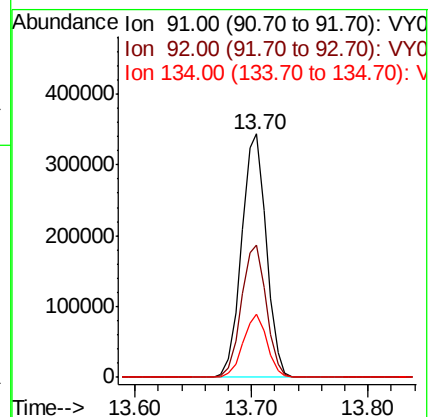
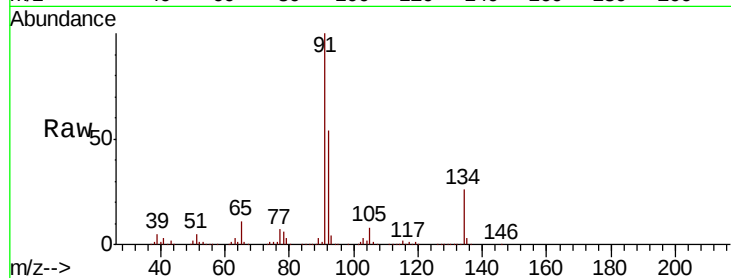
Tot Ion: 91 Resp: 507552

Ion Ratio Lower Upper

91 100

92 54.6 27.3 81.9

134 25.3 13.0 38.9



#90

Hexachloroethane

Concen: 46.839 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. 0.00 min

Lab File: VY001578.D

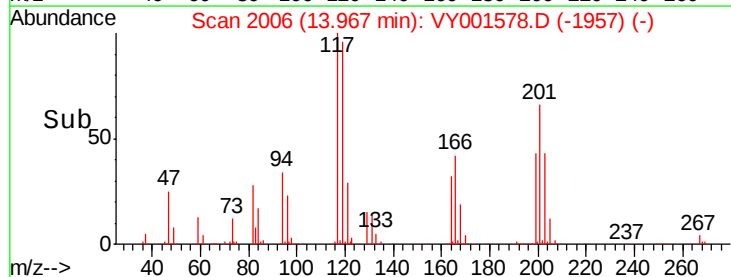
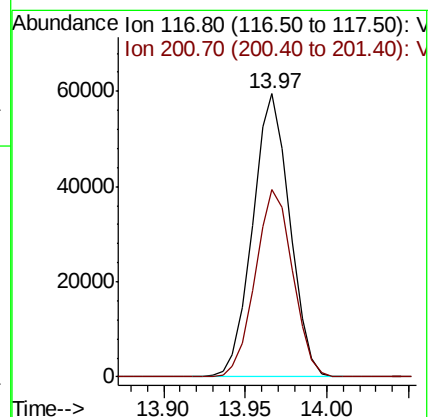
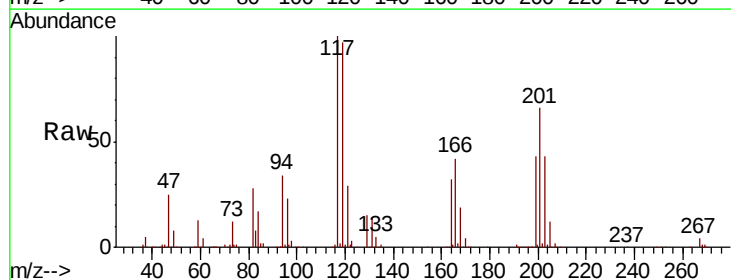
Acq: 10 Feb 2020 11:56

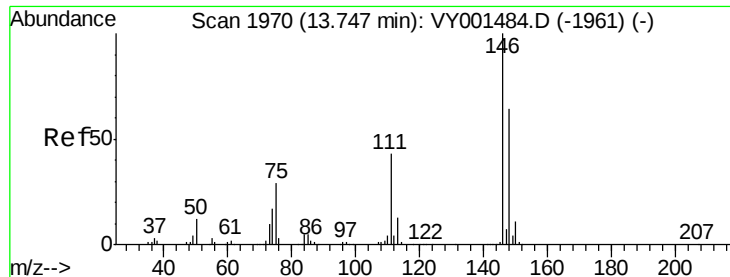
Tgt Ion: 117 Resp: 94233

Ion Ratio Lower Upper

117 100

201 66.8 34.1 102.3





#91

1,2-Dichlorobenzene

Concen: 47.753 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

Instrument :

MSVOA_Y

ClientSampleId :

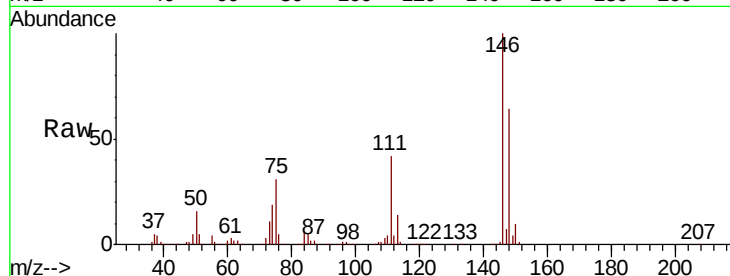
Tot Ion:146 Resp: 213300

Ion Ratio Lower Upper

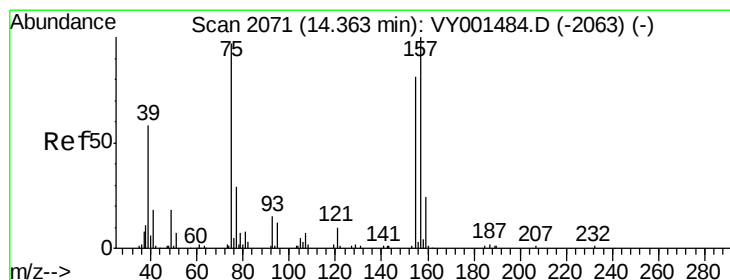
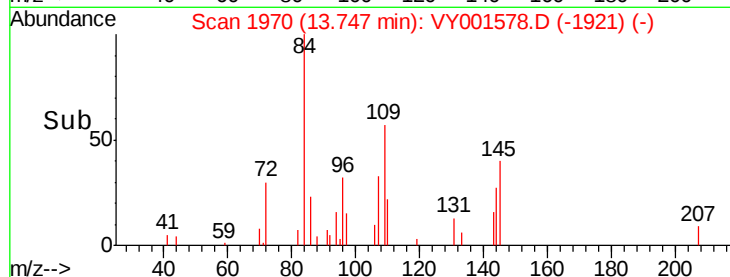
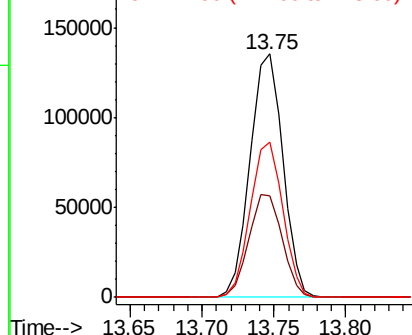
146 100

111 43.1 21.9 65.8

148 63.3 31.8 95.3



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: 46.903 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VY001578.D

Acq: 10 Feb 2020 11:56

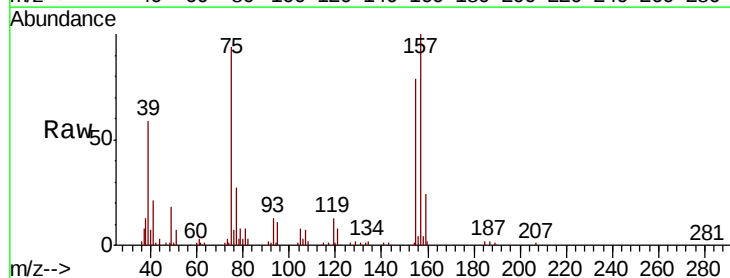
Tgt Ion: 75 Resp: 19551

Ion Ratio Lower Upper

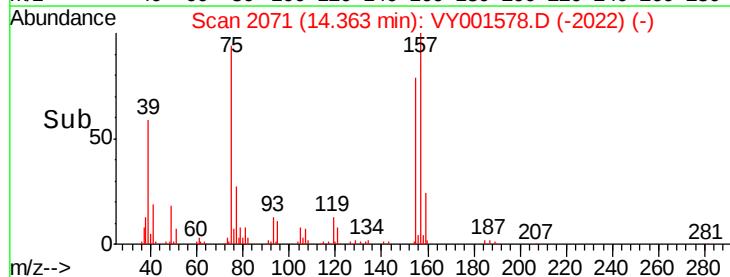
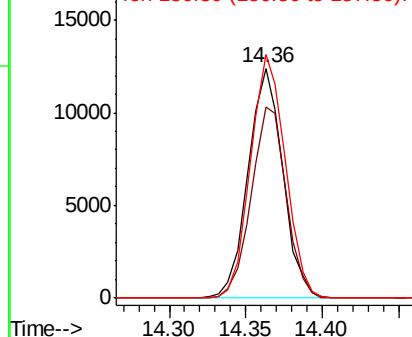
75 100

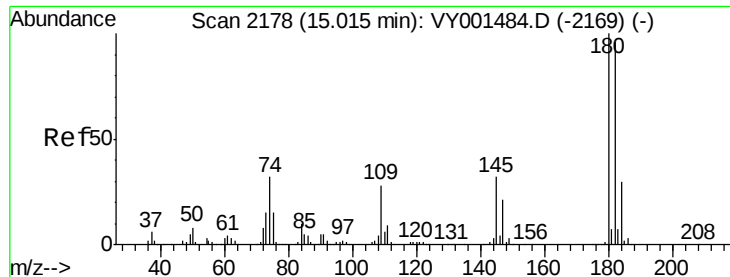
155 83.4 40.7 122.1

157 106.1 52.3 157.1



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

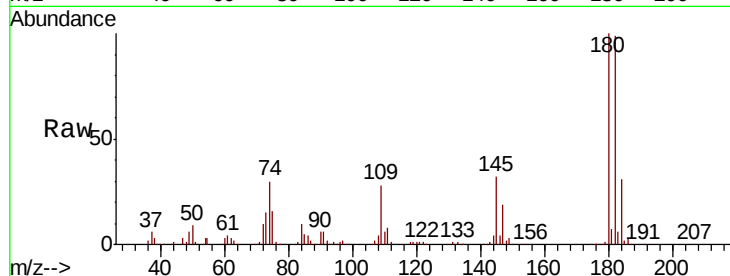




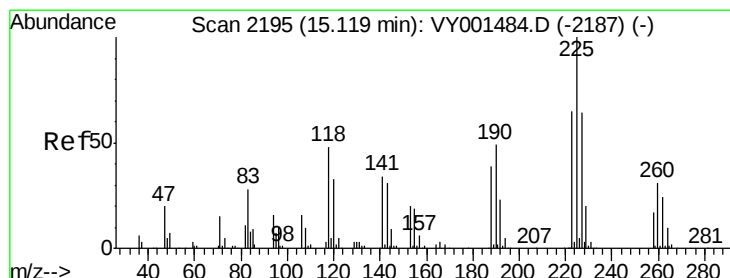
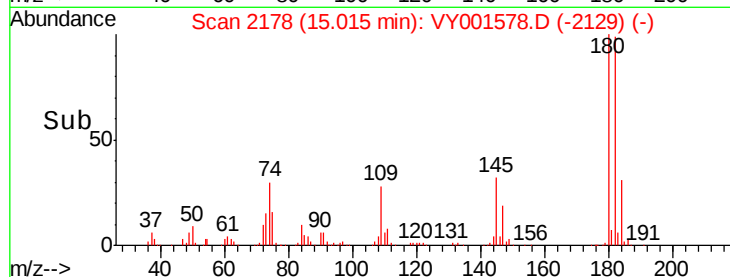
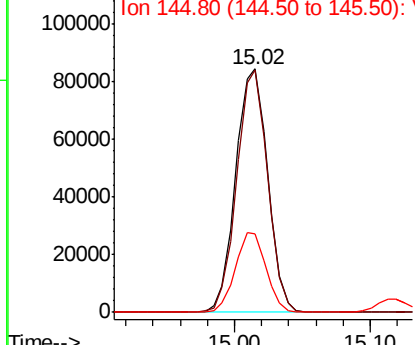
#93
 1,2,4-Trichlorobenzene
 Concen: 46.001 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180 Resp: 138466
 Ion Ratio Lower Upper
 180 100
 182 95.8 46.9 140.7
 145 31.6 16.8 50.3

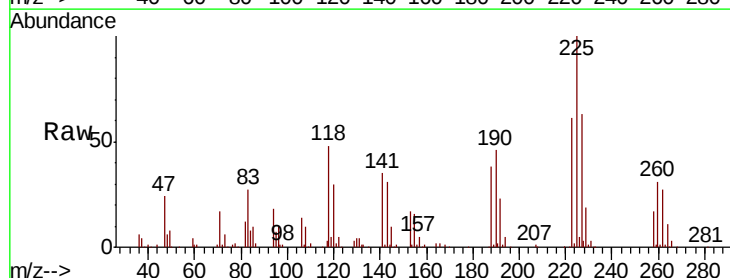


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

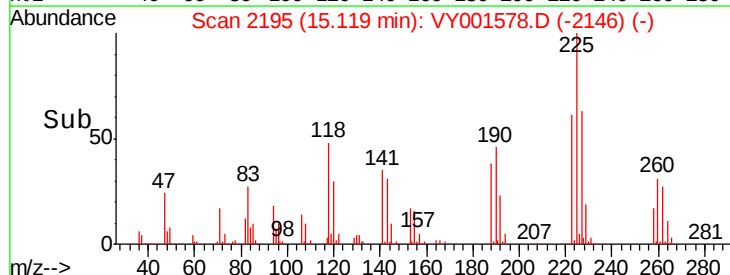
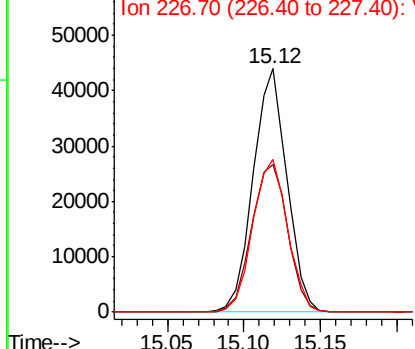


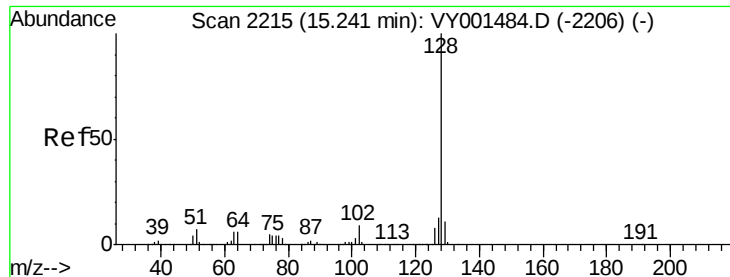
#94
 Hexachlorobutadiene
 Concen: 44.268 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001578.D
 Acq: 10 Feb 2020 11:56

Tgt Ion:225 Resp: 67629
 Ion Ratio Lower Upper
 225 100
 223 64.9 31.9 95.7
 227 64.7 32.6 97.7



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

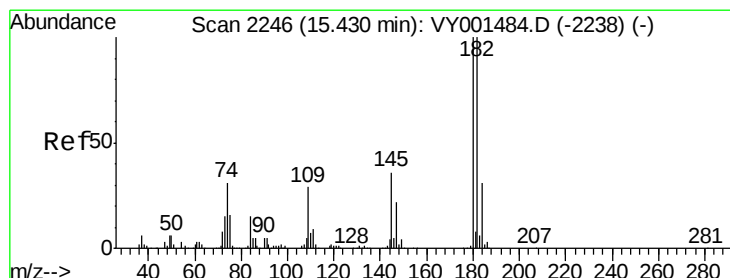
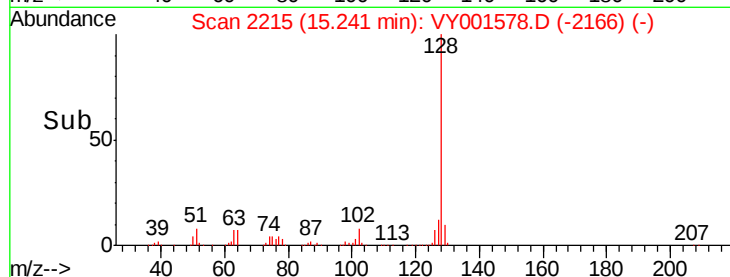
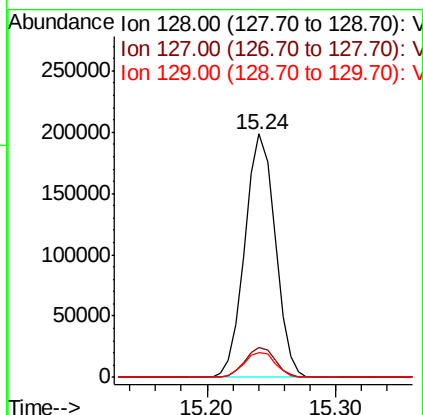
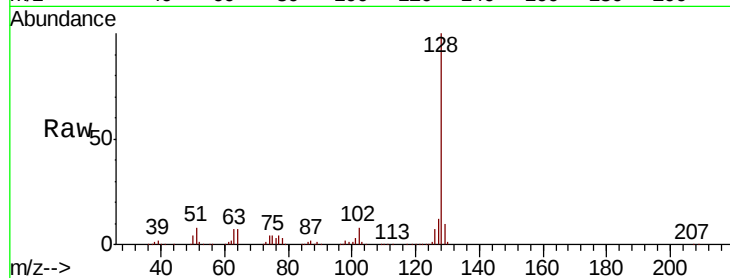




#95
Naphthalene
Concen: 45.672 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.1	15.1
129	10.6	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 46.592 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001578.D
Acq: 10 Feb 2020 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.0	144.2
145	33.0	17.8	53.5

