

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001532.D
 Acq On : 06 Feb 2020 15:50
 Operator : SY/MD
 Sample : VY0206SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 04:07:38 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	7.82	168	217686	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	377060	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	339225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	163207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	114474	52.23	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.75	113	105248	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	10.20	98	442677	53.81	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.49	95	160085	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	37970	17.819	ug/l	97
3) Chloromethane	2.13	50	49165	22.076	ug/l	99
4) Vinyl Chloride	2.27	62	50495	21.835	ug/l	96
5) Bromomethane	2.66	94	35238	24.229	ug/l	97
6) Chloroethane	2.81	64	31919	22.899	ug/l	99
7) Trichlorofluoromethane	3.15	101	70471	18.410	ug/l	98
8) Diethyl Ether	3.56	74	25988	20.119	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	42972	18.658	ug/l	98
10) Methyl Iodide	4.12	142	50676	17.268	ug/l	99
11) Tert butyl alcohol	5.00	59	35029	125.248	ug/l #	93
12) 1,1-Dichloroethene	3.90	96	43876	19.171	ug/l	99
13) Acrolein	3.76	56	21733	104.719	ug/l	98
14) Allyl chloride	4.51	41	74654	21.323	ug/l	98
15) Acrylonitrile	5.21	53	67080	113.279	ug/l	99
16) Acetone	3.98	43	66382	104.704	ug/l	97
17) Carbon Disulfide	4.22	76	143165	19.650	ug/l	99
18) Methyl Acetate	4.52	43	32675	24.151	ug/l	94
19) Methyl tert-butyl Ether	5.26	73	122167	20.072	ug/l	99
20) Methylene Chloride	4.76	84	52106	17.961	ug/l	96
21) trans-1,2-Dichloroethene	5.26	96	49795	19.571	ug/l	96
22) Diisopropyl ether	6.16	45	153953	22.195	ug/l	95
23) Vinyl Acetate	6.10	43	504881	114.337	ug/l	95
24) 1,1-Dichloroethane	6.06	63	84646	20.288	ug/l	99
25) 2-Butanone	7.02	43	96383	117.181	ug/l	94
26) 2,2-Dichloropropane	7.02	77	77371	19.376	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	55729	20.054	ug/l	98
28) Bromochloromethane	7.38	49	31610	22.239	ug/l	90
29) Tetrahydrofuran	7.38	42	60217	122.147	ug/l	93
30) Chloroform	7.54	83	81858	19.369	ug/l	98
31) Cyclohexane	7.82	56	88127	20.649	ug/l	98
32) 1,1,1-Trichloroethane	7.74	97	72122	18.822	ug/l	97
36) 1,1-Dichloropropene	7.95	75	69288	20.087	ug/l	98
37) Ethyl Acetate	7.11	43	38590	23.110	ug/l	97
38) Carbon Tetrachloride	7.93	117	60718	18.194	ug/l	99

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 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	90040	19.824	ug/l	99
40) Benzene	8.19	78	200314	20.360	ug/l	99
41) Methacrylonitrile	7.38	41	54175	70.001	ug/l #	1
42) 1,2-Dichloroethane	8.27	62	55534	20.260	ug/l	98
43) Isopropyl Acetate	8.30	43	77337	23.392	ug/l	95
44) Trichloroethene	8.96	130	51338	19.358	ug/l	94
45) 1,2-Dichloropropane	9.24	63	51418	21.642	ug/l	97
46) Dibromomethane	9.33	93	26166	19.613	ug/l	98
47) Bromodichloromethane	9.52	83	62433	19.207	ug/l	97
48) Methyl methacrylate	9.32	41	34309	22.864	ug/l	93
49) 1,4-Dioxane	9.32	88	6964	395.265	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	198300	121.791	ug/l	95
52) Toluene	10.26	92	126215	20.218	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	69354	19.589	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	80924	19.910	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	39438	20.604	ug/l	95
56) Ethyl methacrylate	10.52	69	58130	21.352	ug/l	91
57) 1,3-Dichloropropane	10.81	76	68386	20.268	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	108689	108.524	ug/l	96
59) 2-Hexanone	10.85	43	146564	123.803	ug/l	96
60) Dibromochloromethane	11.00	129	43334	19.206	ug/l	100
61) 1,2-Dibromoethane	11.10	107	37954	20.132	ug/l	97
64) Tetrachloroethene	10.74	164	43123	19.384	ug/l	96
65) Chlorobenzene	11.53	112	130337	19.568	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	44603	19.133	ug/l	99
67) Ethyl Benzene	11.60	91	241373	19.599	ug/l	100
68) m/p-Xylenes	11.71	106	182668	39.511	ug/l	100
69) o-Xylene	12.04	106	86140	19.761	ug/l	100
70) Styrene	12.05	104	150387	19.950	ug/l	99
71) Bromoform	12.22	173	25496	19.642	ug/l #	99
73) Isopropylbenzene	12.34	105	232781	18.701	ug/l	98
74) N-amyl acetate	12.15	43	74699	23.094	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.60	83	48378	20.456	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	63951	36.437	ug/l #	100
77) Bromobenzene	12.62	156	50568	18.772	ug/l	94
78) n-propylbenzene	12.68	91	287118	19.267	ug/l	99
79) 2-Chlorotoluene	12.77	91	159654	18.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	197417	18.832	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	18188	20.051	ug/l	95
82) 4-Chlorotoluene	12.86	91	167415	18.798	ug/l	99
83) tert-Butylbenzene	13.08	119	165440	18.671	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	196218	18.912	ug/l	99
85) sec-Butylbenzene	13.26	105	242262	19.446	ug/l	100
86) p-Isopropyltoluene	13.38	119	214731	19.559	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	102039	19.766	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	102376	19.795	ug/l	99
89) n-Butylbenzene	13.70	91	213997	19.756	ug/l	99
90) Hexachloroethane	13.97	117	39168	18.588	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	92950	19.868	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	8590	19.675	ug/l	96

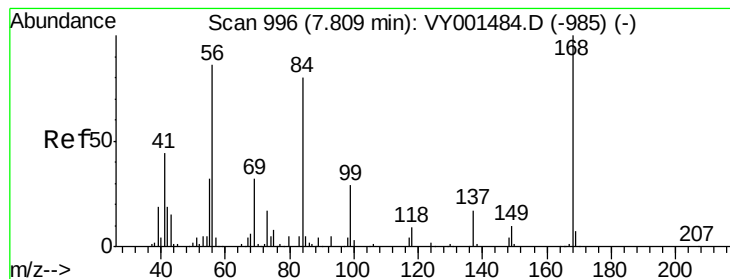
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	62142	19.711	ug/l	99
94) Hexachlorobutadiene	15.12	225	31217	19.510	ug/l	98
95) Naphthalene	15.25	128	141249	19.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	54959	19.748	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

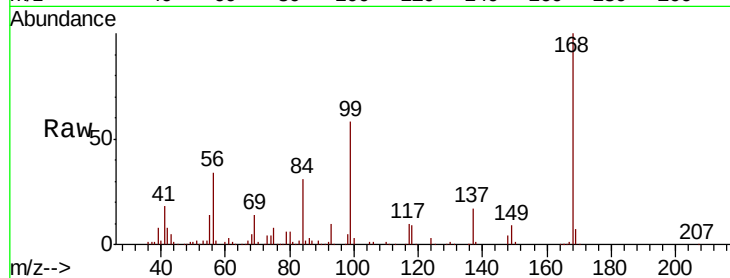
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 217686

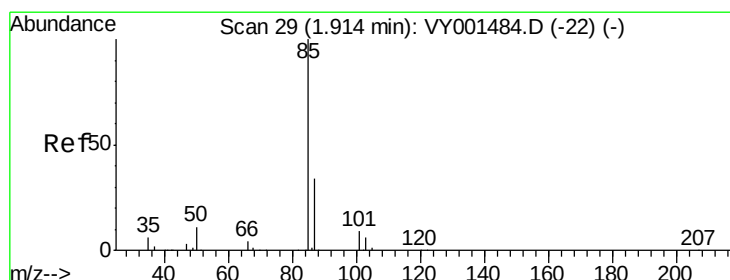
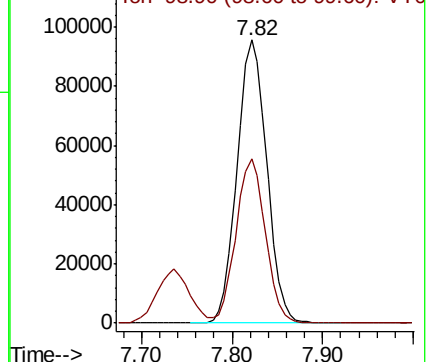
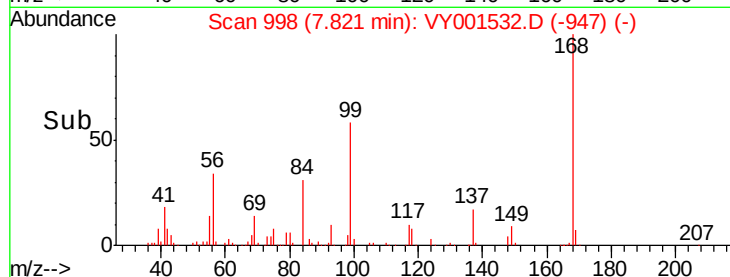
Ion Ratio Lower Upper

168 100

99 58.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001532.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: 17.819 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001532.D

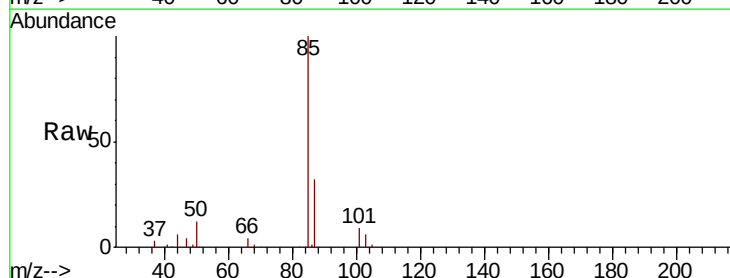
Acq: 06 Feb 2020 15:50

Tgt Ion: 85 Resp: 37970

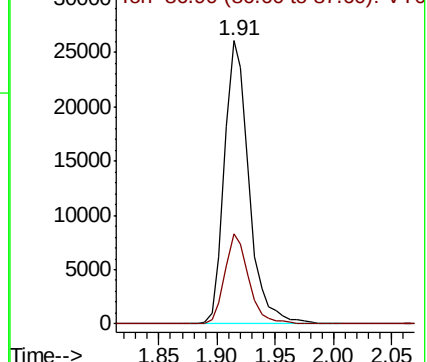
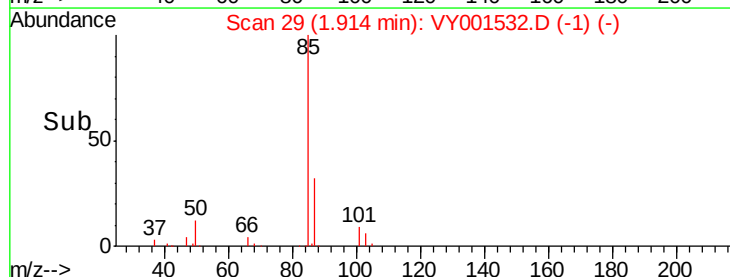
Ion Ratio Lower Upper

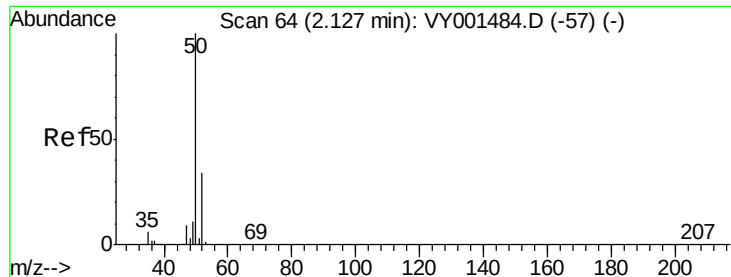
85 100

87 32.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001532.D (-1) (-)





#3

Chloromethane

Concen: 22.076 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

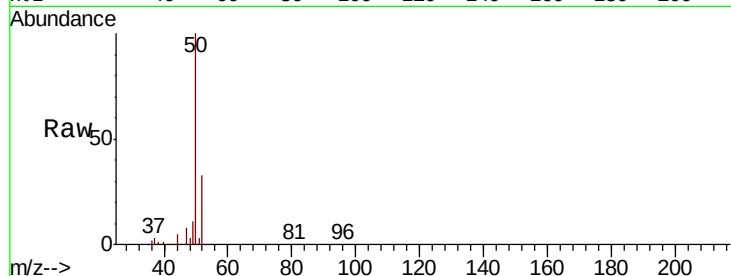
ClientSampleId :

Tot Ion: 50 Resp: 49165

Ion Ratio Lower Upper

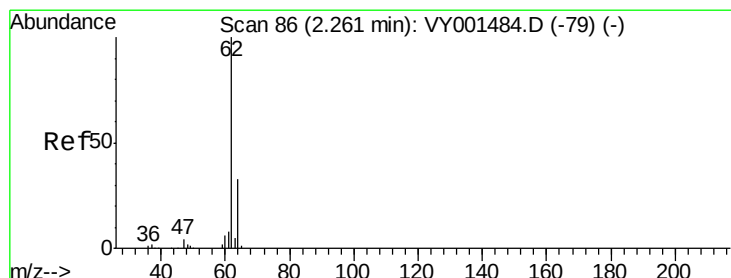
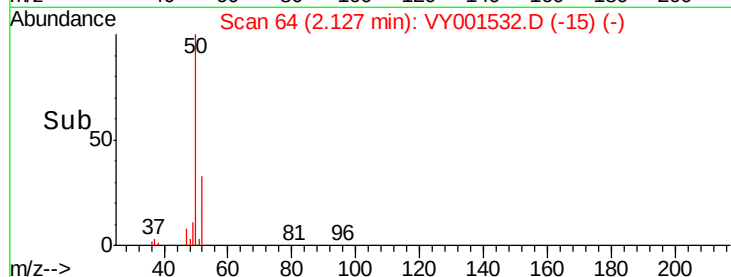
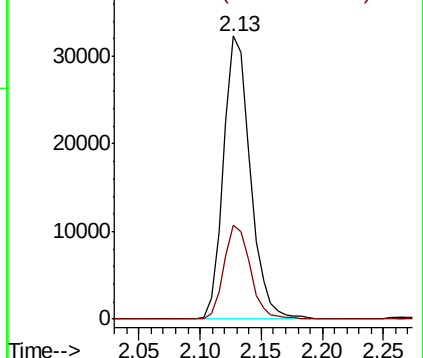
50 100

52 33.4 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: 21.835 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001532.D

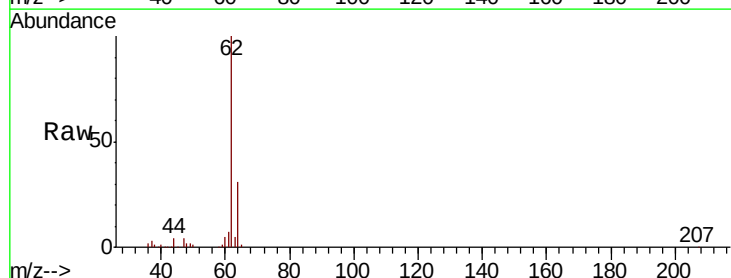
Acq: 06 Feb 2020 15:50

Tgt Ion: 62 Resp: 50495

Ion Ratio Lower Upper

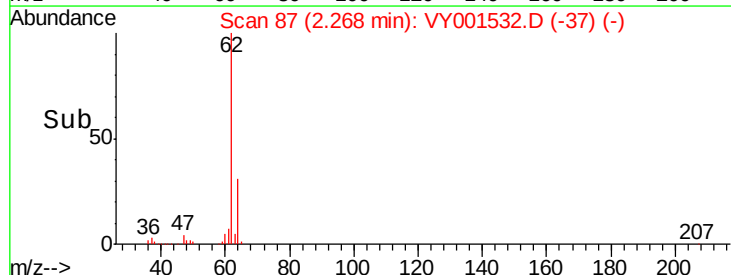
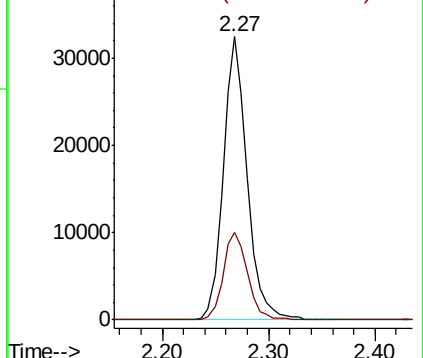
62 100

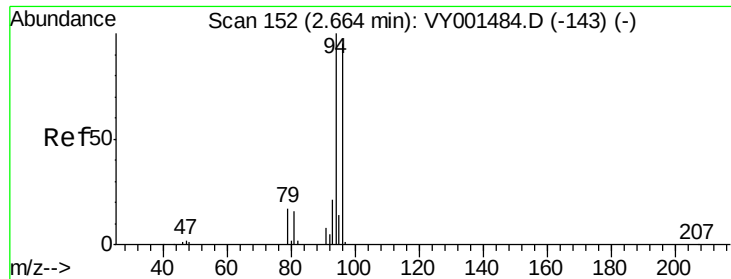
64 30.7 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 24.229 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

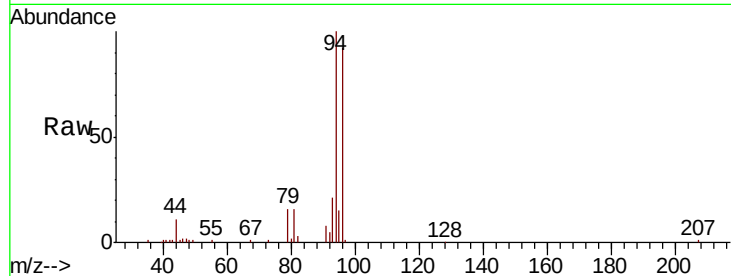
ClientSampled :

Tot Ion: 94 Resp: 35238

Ion Ratio Lower Upper

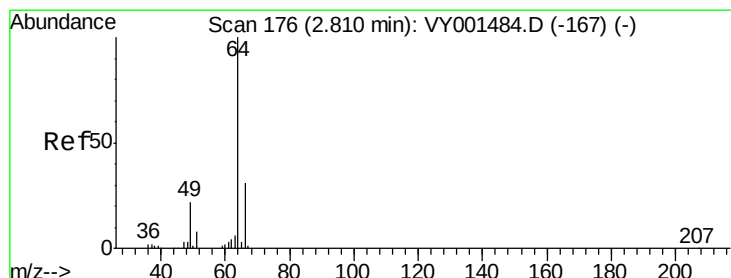
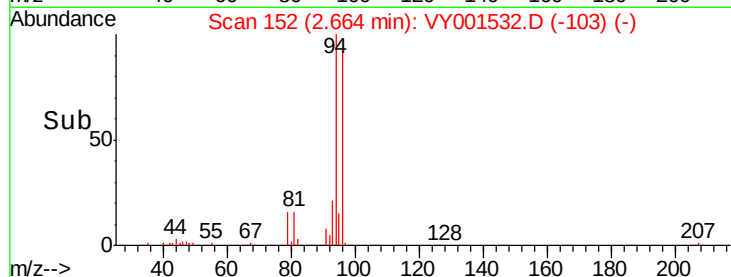
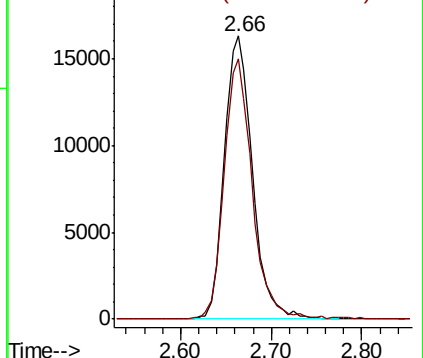
94 100

96 91.8 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 22.899 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001532.D

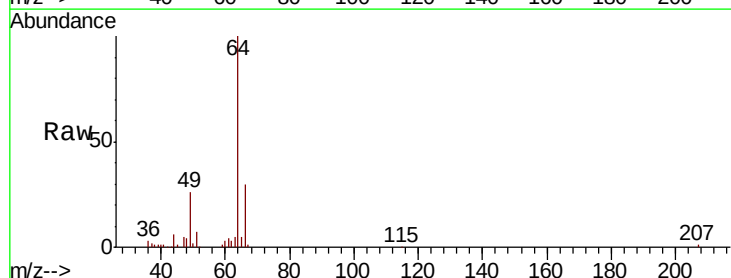
Acq: 06 Feb 2020 15:50

Tgt Ion: 64 Resp: 31919

Ion Ratio Lower Upper

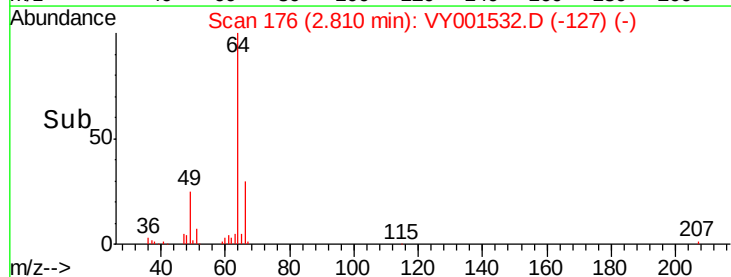
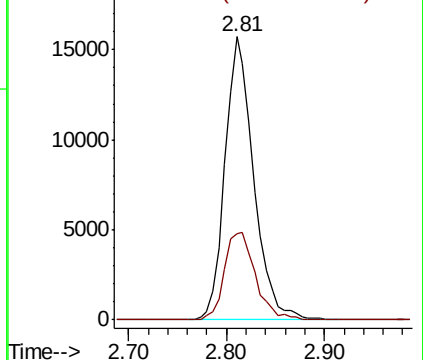
64 100

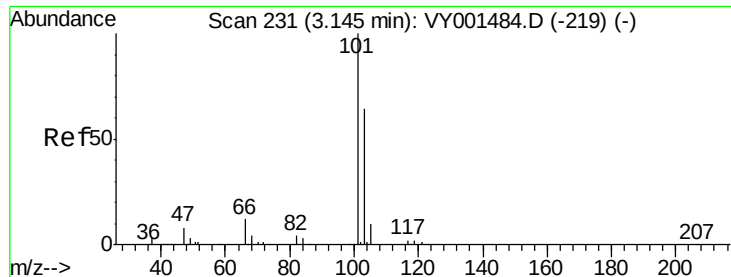
66 30.3 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



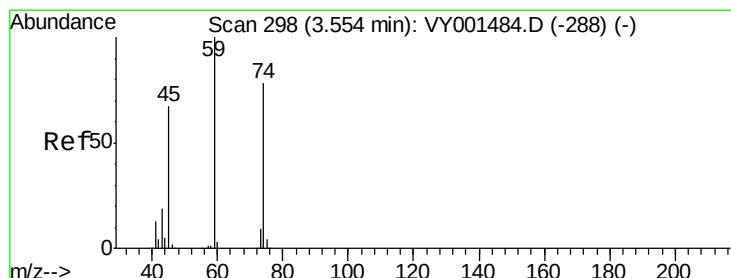
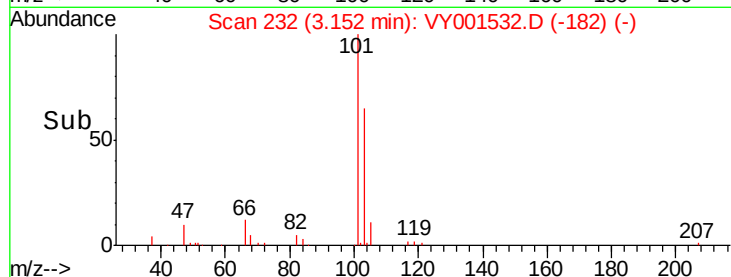
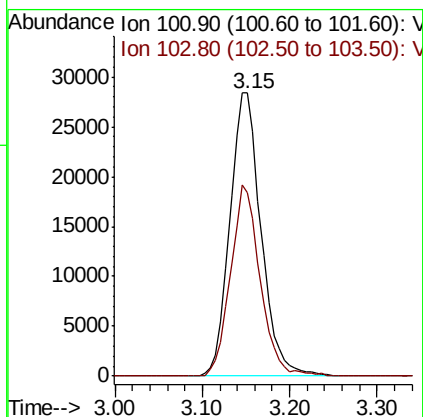
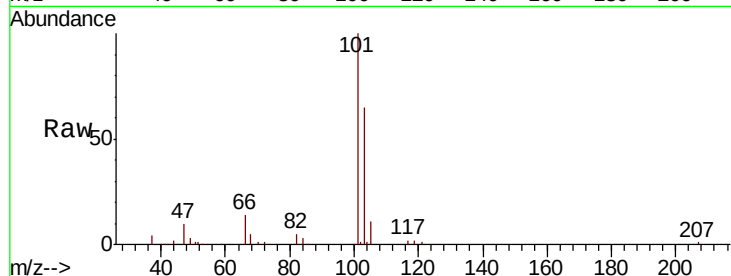


#7

Trichlorofluoromethane
 Concen: 18.410 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :

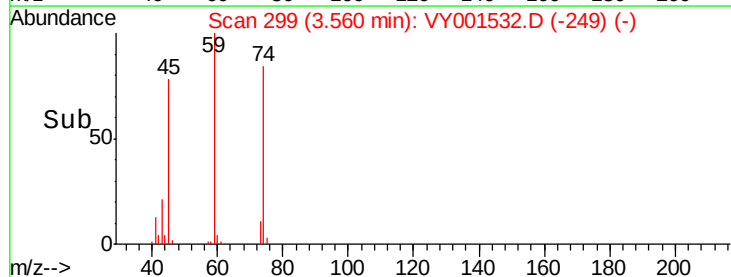
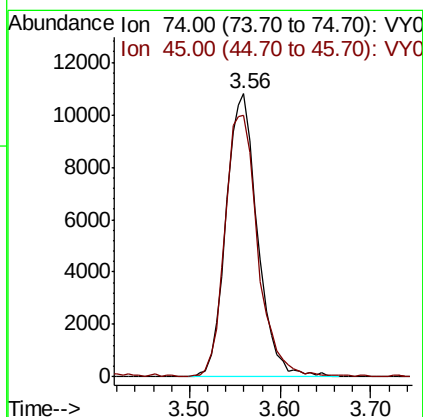
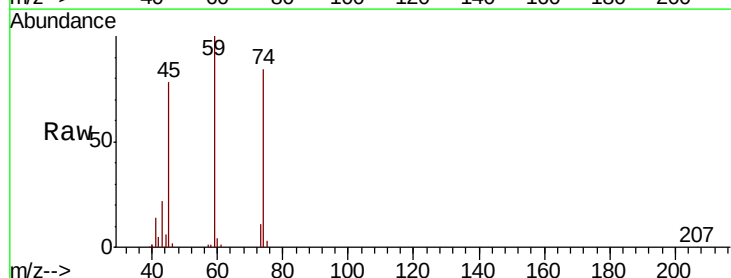
Tot Ion:101 Resp: 70471
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.9 76.3

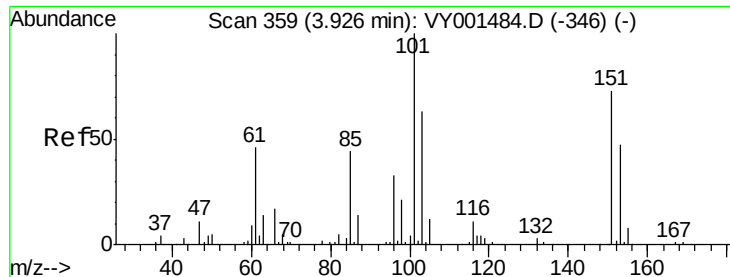


#8

Diethyl Ether
 Concen: 20.119 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion: 74 Resp: 25988
 Ion Ratio Lower Upper
 74 100
 45 97.8 44.5 133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.658 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

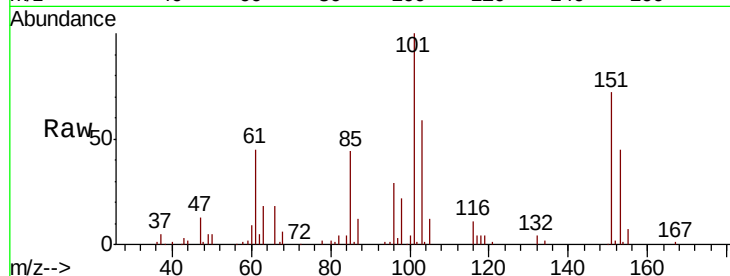
Tot Ion:101 Resp: 42972

Ion Ratio Lower Upper

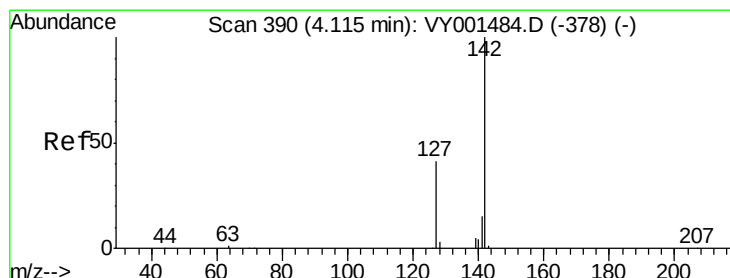
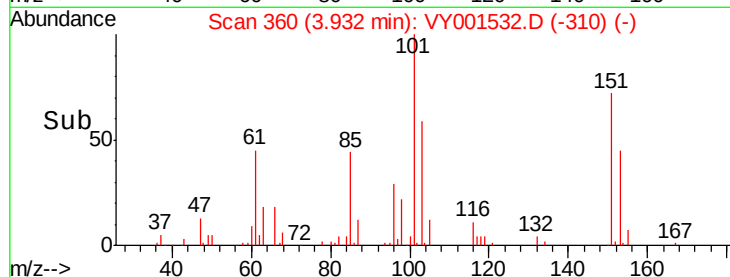
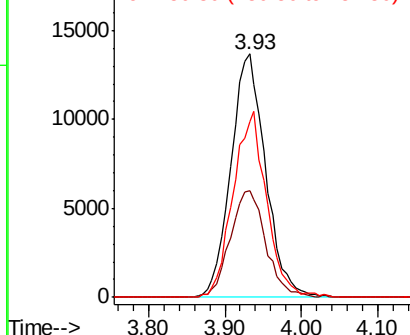
101 100

85 44.9 34.6 51.8

151 73.5 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: 17.268 ug/l

RT: 4.12 min Scan# 391

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

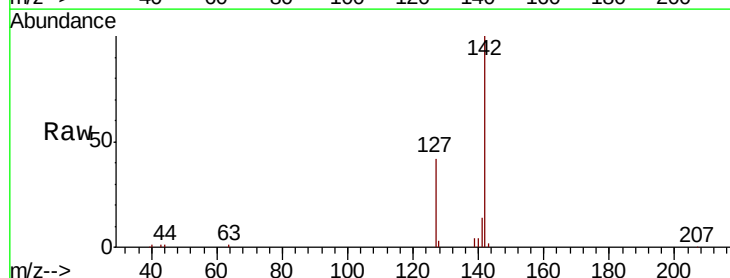
Tgt Ion:142 Resp: 50676

Ion Ratio Lower Upper

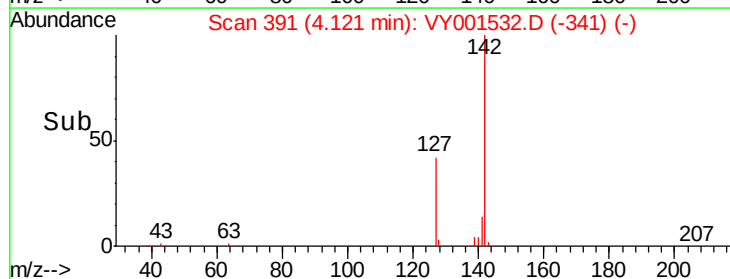
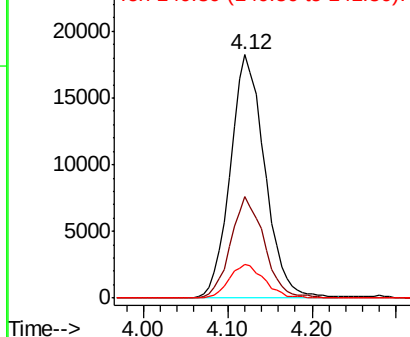
142 100

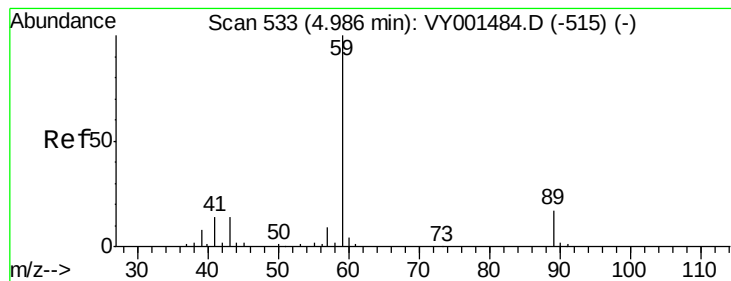
127 40.7 33.3 49.9

141 14.1 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



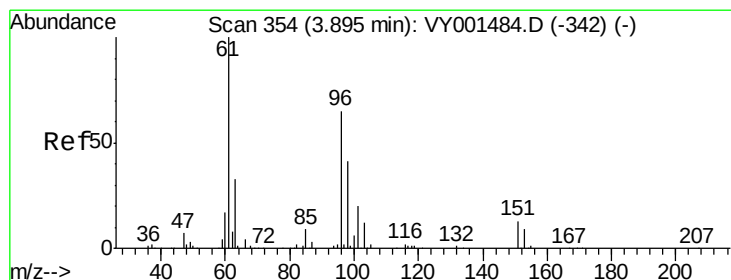
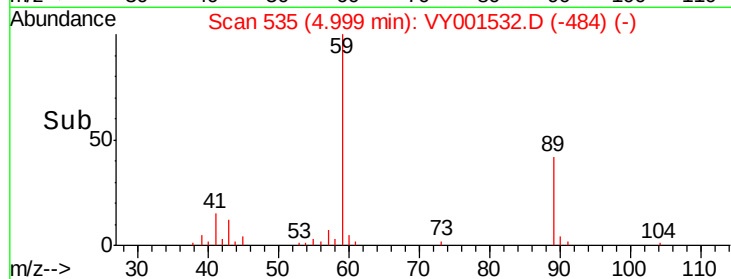
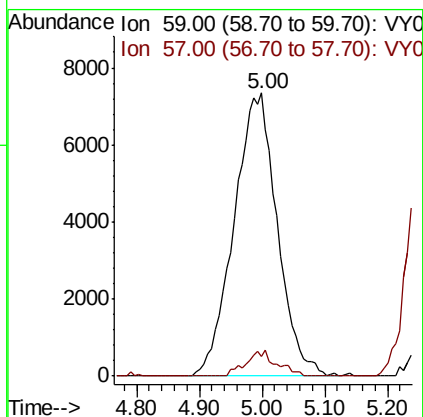
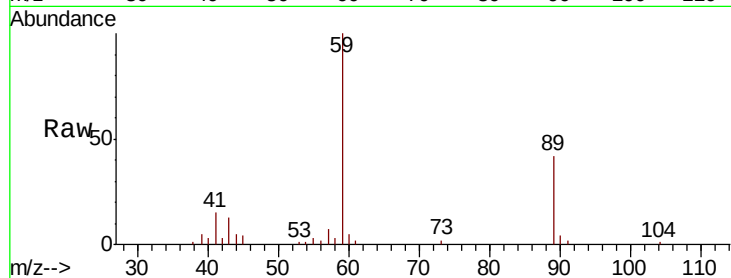


#11

Tert butyl alcohol
 Concen: 125.248 ug/l
 RT: 5.00 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :

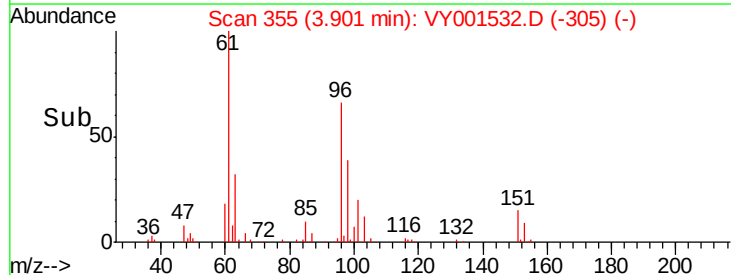
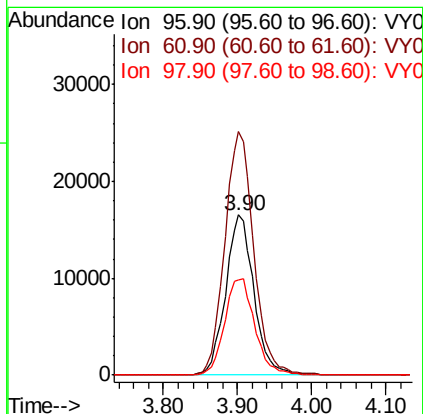
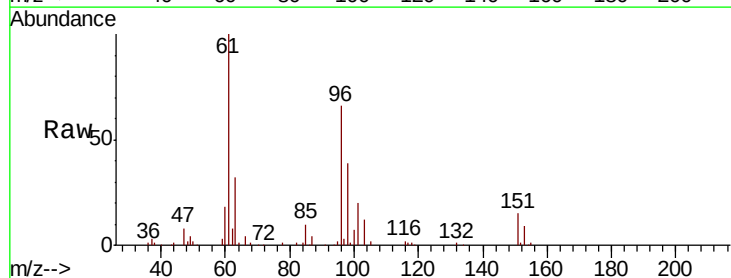
Tot Ion: 59 Resp: 35029
 Ion Ratio Lower Upper
 59 100
 57 6.4 7.0 10.6#

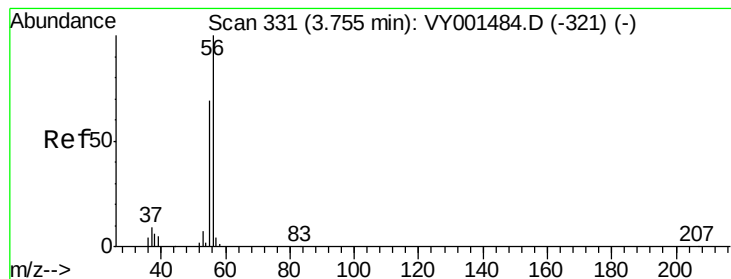


#12

1,1-Dichloroethene
 Concen: 19.171 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion: 96 Resp: 43876
 Ion Ratio Lower Upper
 96 100
 61 152.4 122.3 183.5
 98 59.5 49.7 74.5





#13

Acrolein

Concen: 104.719 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

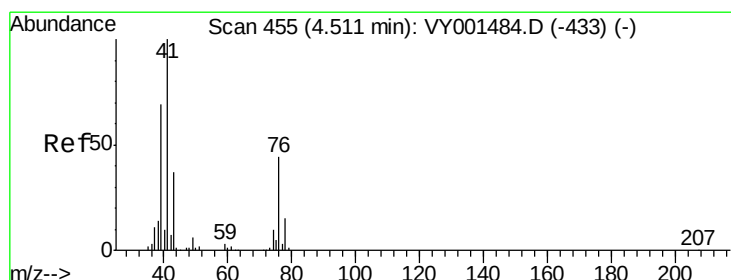
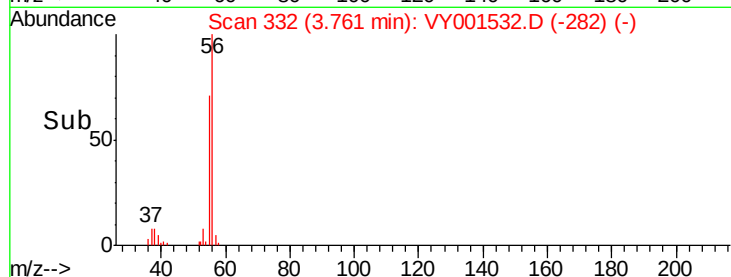
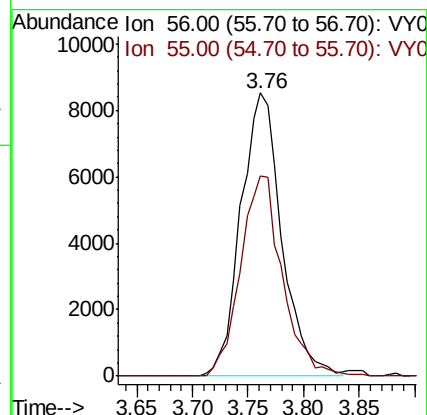
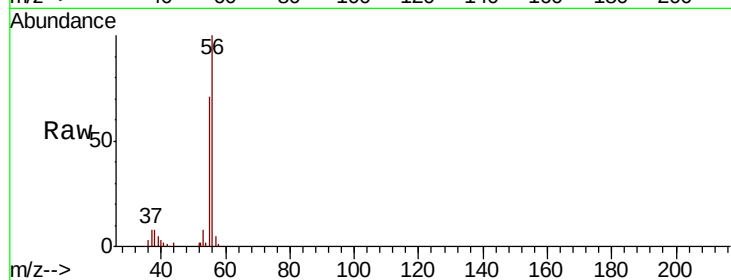
ClientSampleId :

Tot Ion: 56 Resp: 21733

Ion Ratio Lower Upper

56 100

55 72.2 56.2 84.4



#14

Allyl chloride

Concen: 21.323 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

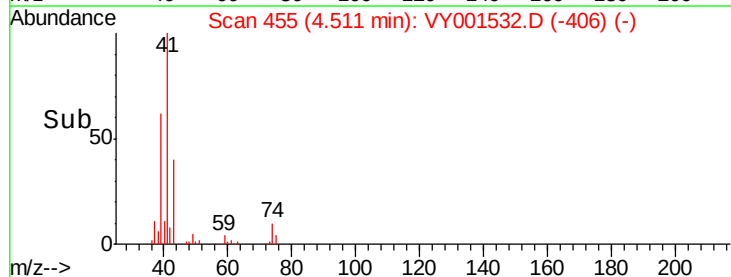
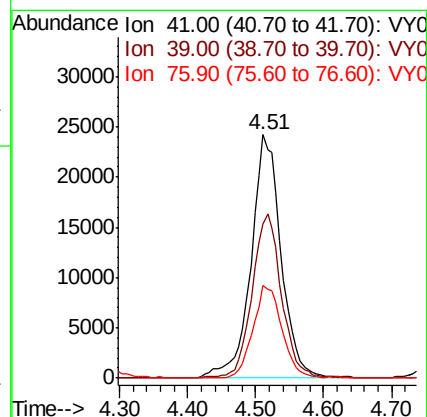
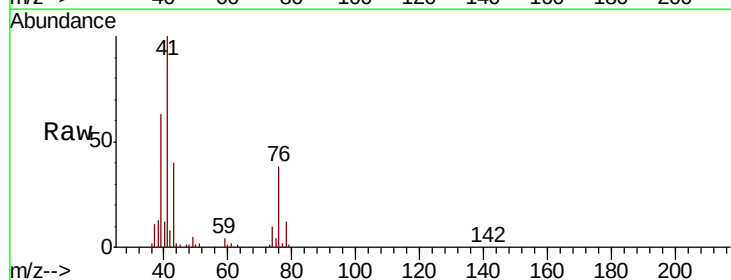
Tgt Ion: 41 Resp: 74654

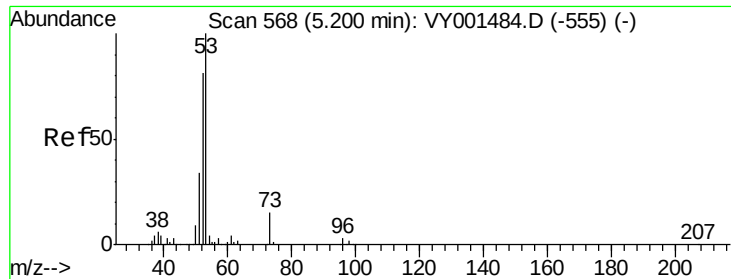
Ion Ratio Lower Upper

41 100

39 66.3 53.0 79.6

76 36.6 32.6 48.8





#15

Acrylonitrile

Concen: 113.279 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampled :

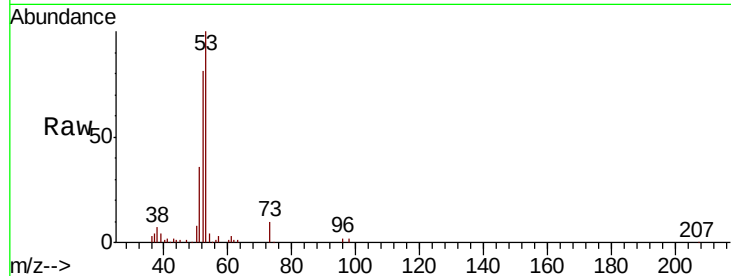
Tot Ion: 53 Resp: 67080

Ion Ratio Lower Upper

53 100

52 81.3 65.4 98.2

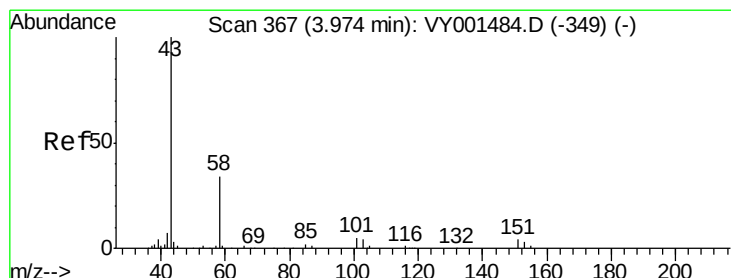
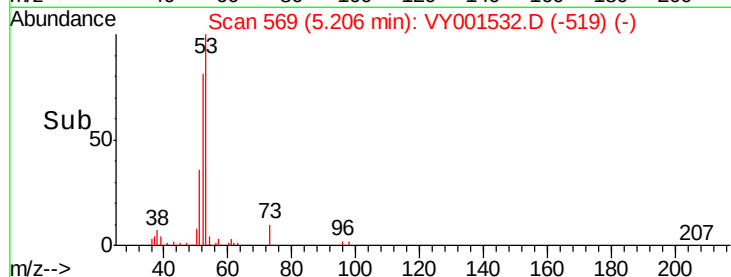
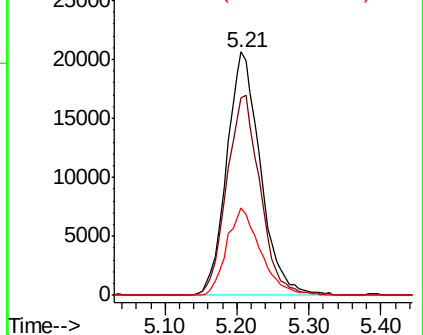
51 36.0 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VY001532.D (-519) (-)

Ion 52.00 (51.70 to 52.70): VY001532.D (-519) (-)

Ion 51.00 (50.70 to 51.70): VY001532.D (-519) (-)



#16

Acetone

Concen: 104.704 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001532.D

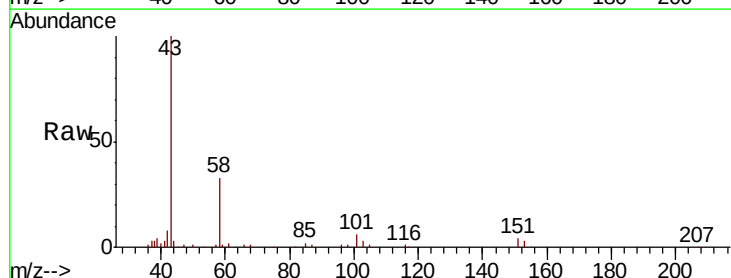
Acq: 06 Feb 2020 15:50

Tgt Ion: 43 Resp: 66382

Ion Ratio Lower Upper

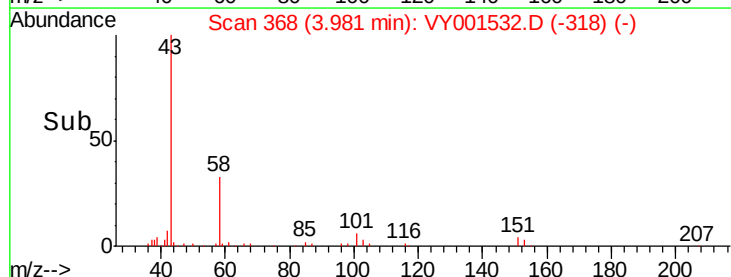
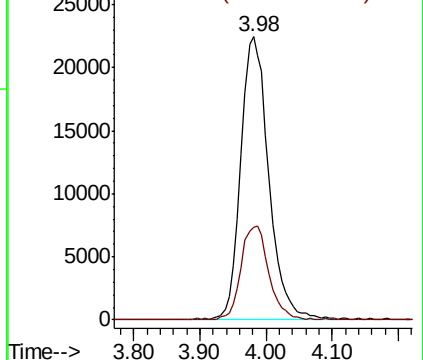
43 100

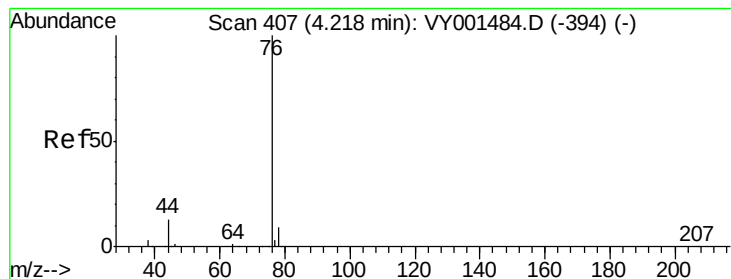
58 32.6 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY001532.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VY001532.D (-318) (-)





#17

Carbon Disulfide

Concen: 19.650 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

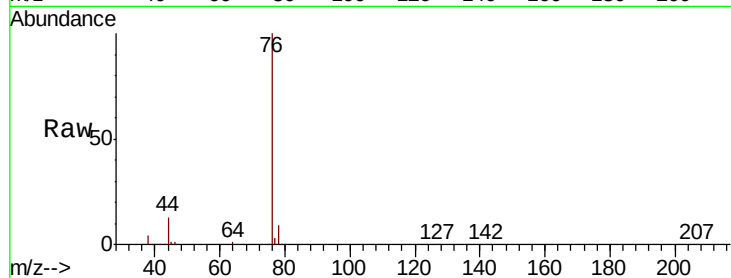
ClientSampled :

Tot Ion: 76 Resp: 143165

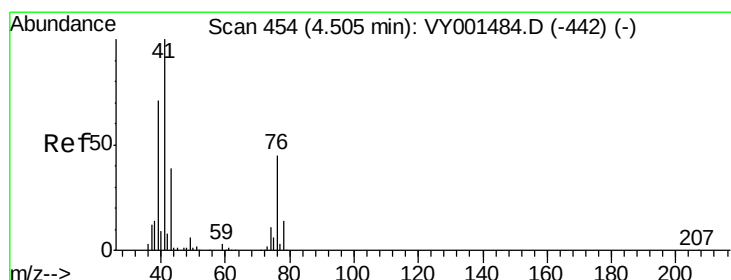
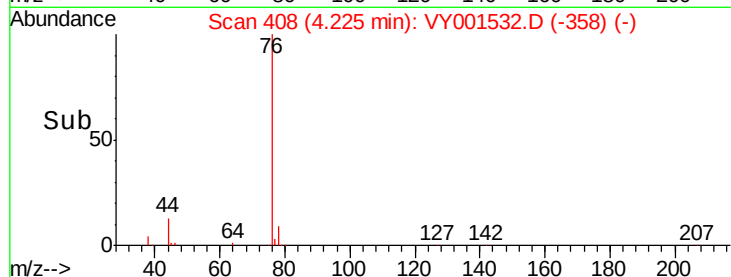
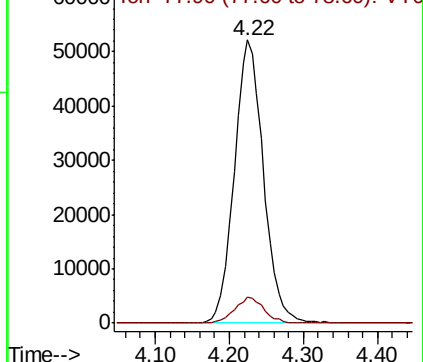
Ion Ratio Lower Upper

76 100

78 9.2 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: 24.151 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001532.D

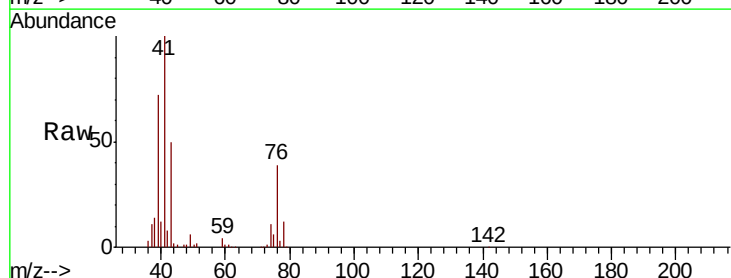
Acq: 06 Feb 2020 15:50

Tgt Ion: 43 Resp: 32675

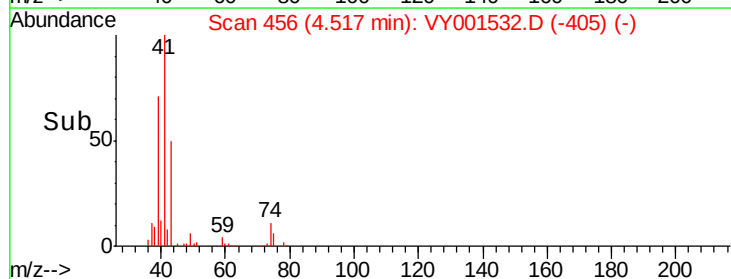
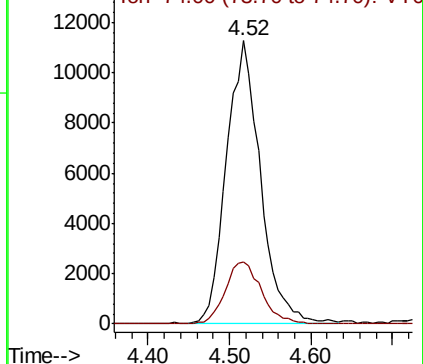
Ion Ratio Lower Upper

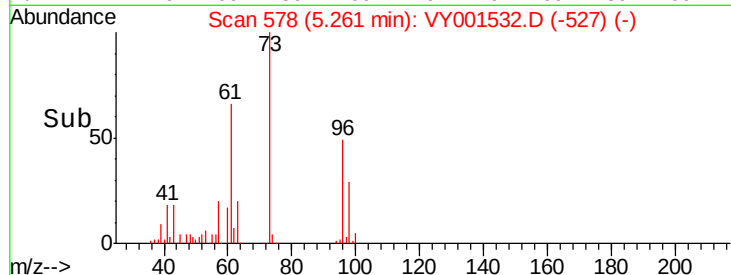
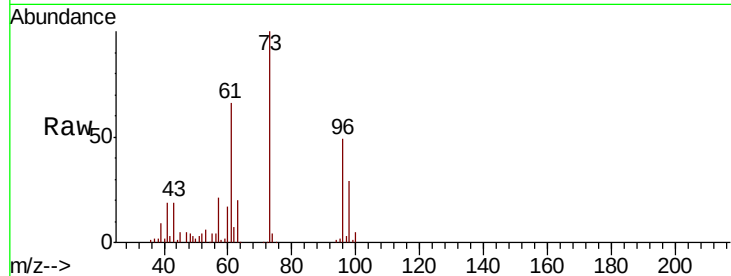
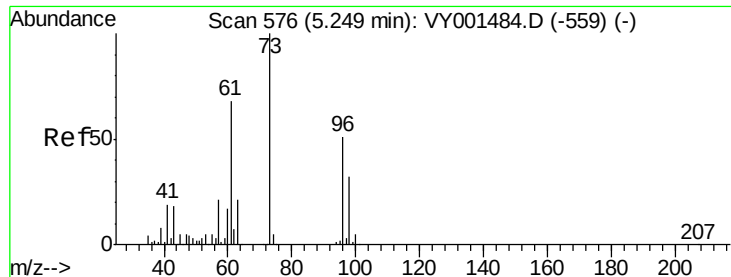
43 100

74 23.1 21.0 31.6



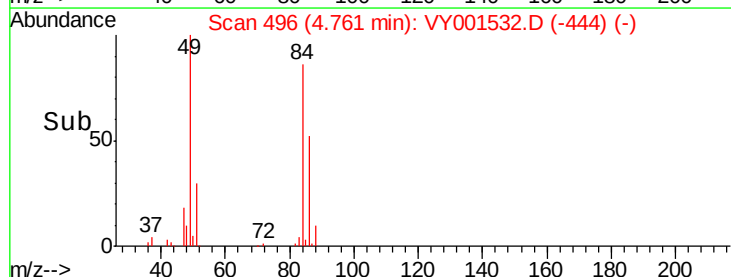
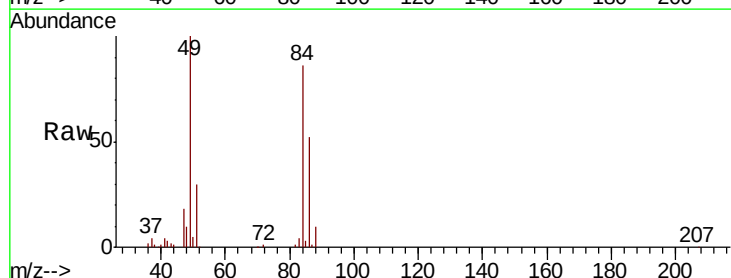
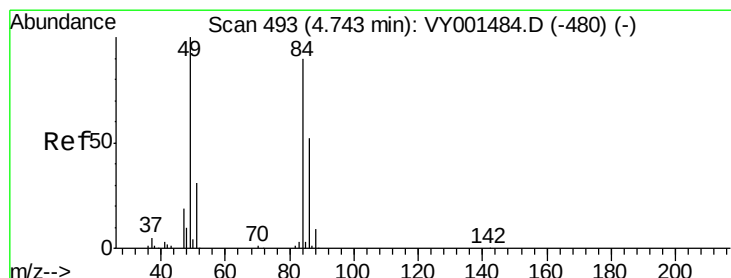
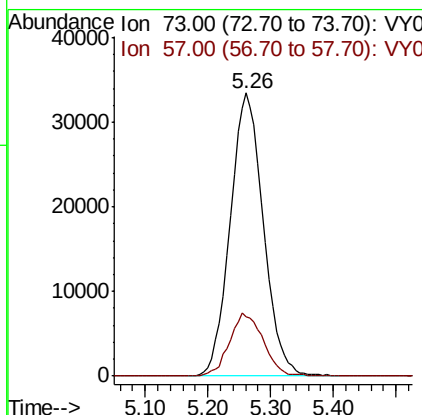
Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 74.00 (73.70 to 74.70): VY0





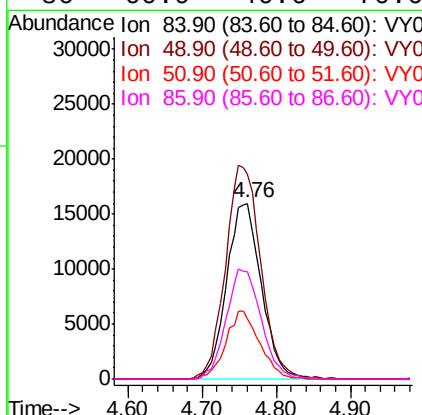
#19
Methyl tert-butyl Ether
Concen: 20.072 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

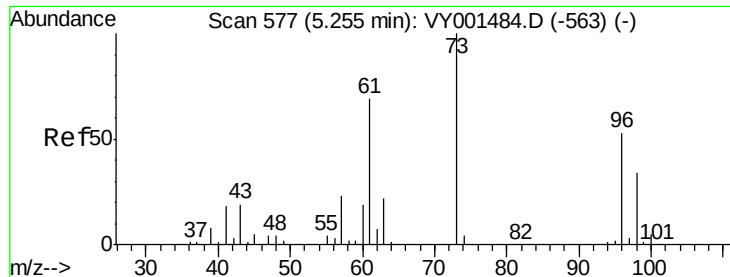
Tot Ion: 73 Resp: 122167
Ion Ratio Lower Upper
73 100
57 20.9 17.0 25.6



#20
Methylene Chloride
Concen: 17.961 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.02 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 84 Resp: 52106
Ion Ratio Lower Upper
84 100
49 116.5 89.0 133.6
51 34.5 27.4 41.2
86 60.9 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 19.571 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

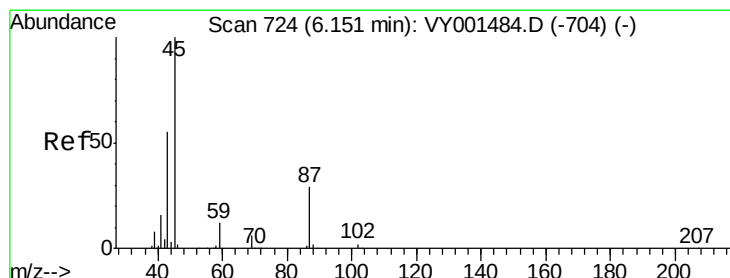
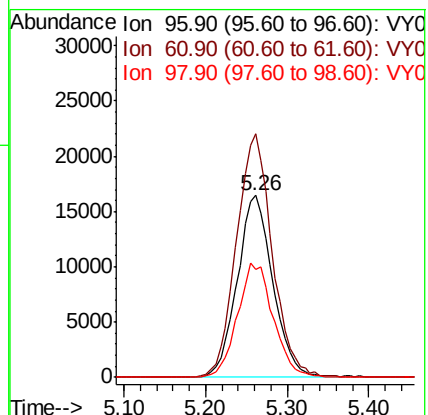
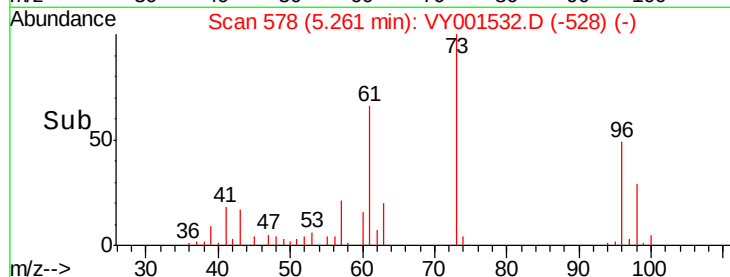
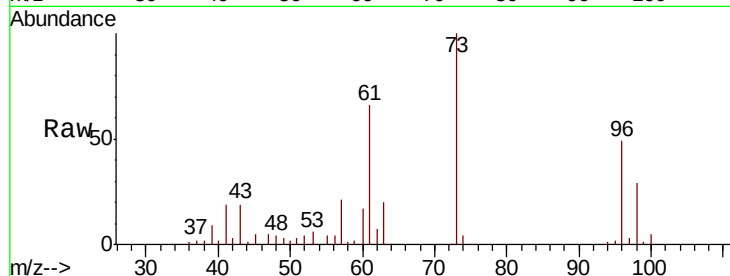
Tot Ion: 96 Resp: 49795

Ion Ratio Lower Upper

96 100

61 134.1 104.2 156.4

98 59.6 51.4 77.0



#22

Diisopropyl ether

Concen: 22.195 ug/l

RT: 6.16 min Scan# 725

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Tgt Ion: 45 Resp: 153953

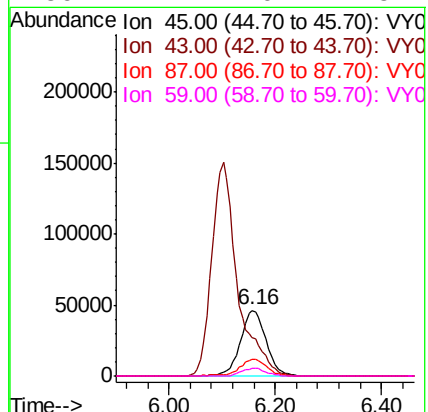
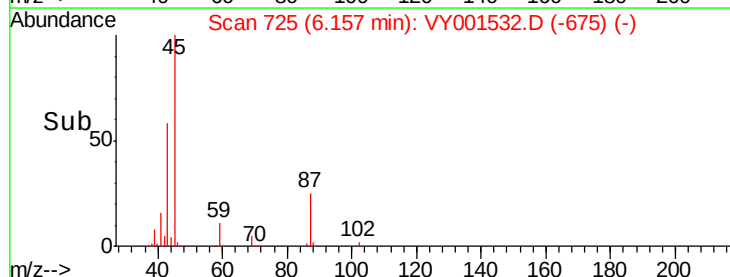
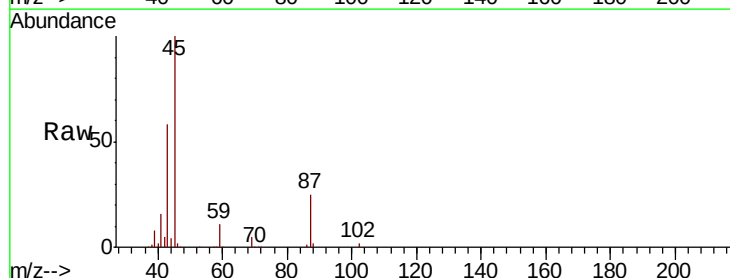
Ion Ratio Lower Upper

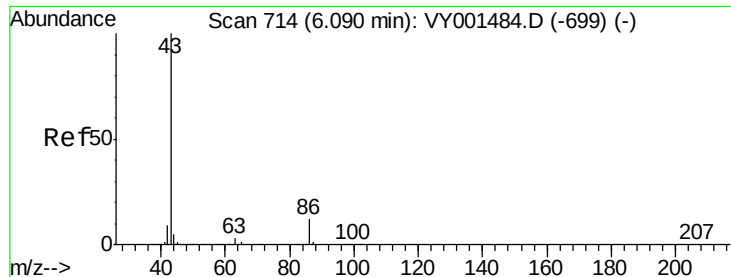
45 100

43 58.0 44.2 66.4

87 25.1 23.9 35.9

59 11.2 10.2 15.2





#23

Vinyl Acetate

Concen: 114.337 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

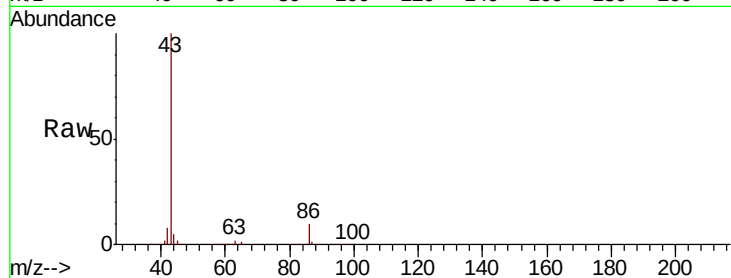
ClientSampleId :

Tot Ion: 43 Resp: 504881

Ion Ratio Lower Upper

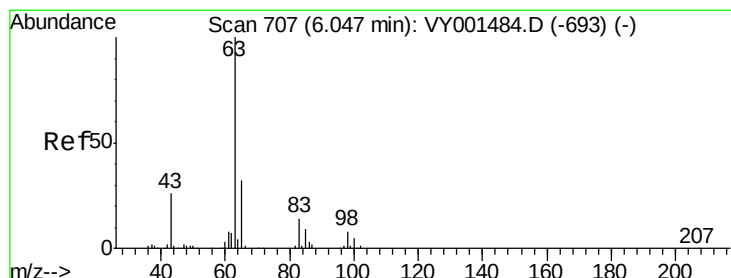
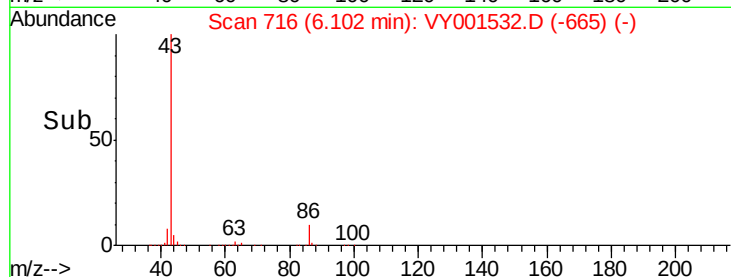
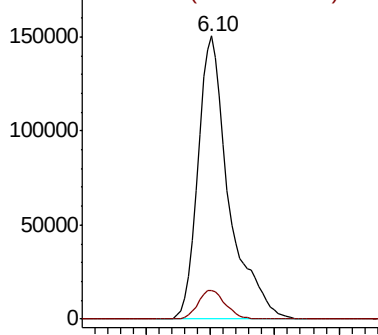
43 100

86 10.2 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: 20.288 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

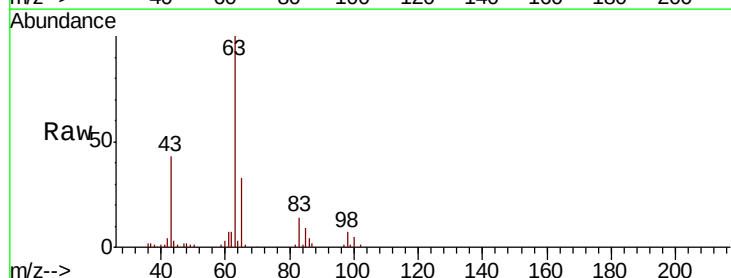
Tgt Ion: 63 Resp: 84646

Ion Ratio Lower Upper

63 100

98 7.2 4.0 11.9

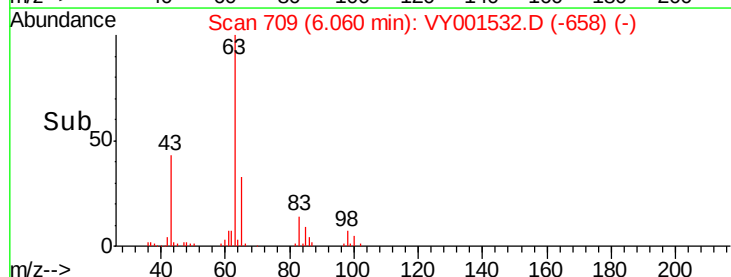
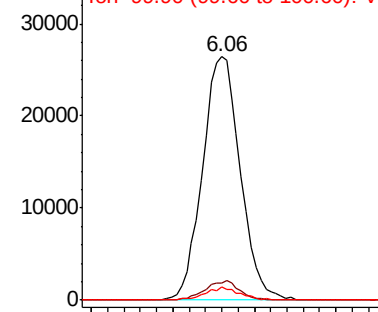
100 5.2 2.6 8.0

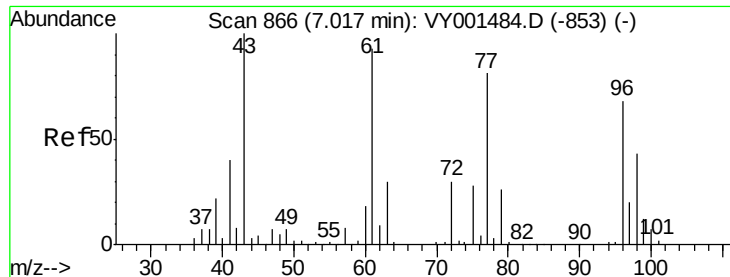


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

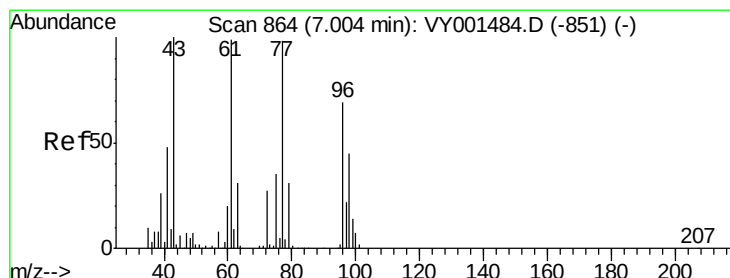
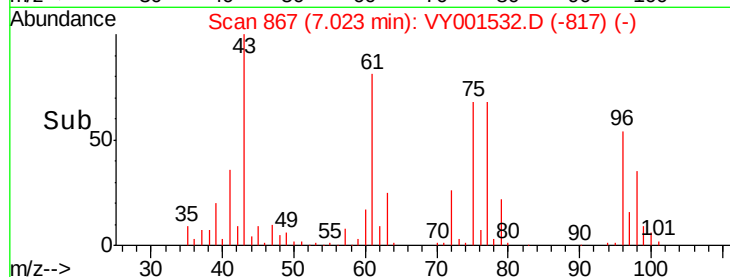
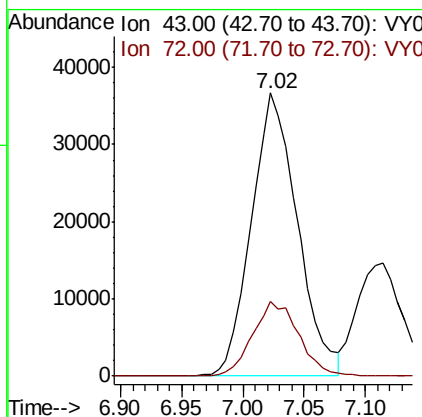
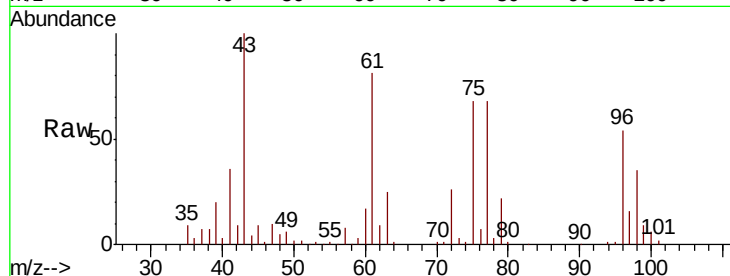




#25
2-Butanone
Concen: 117.181 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

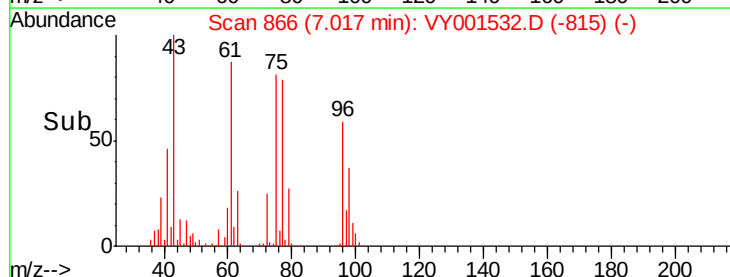
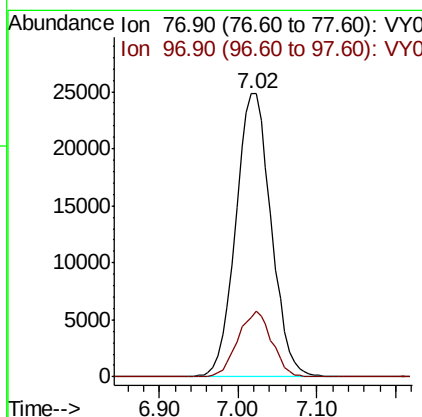
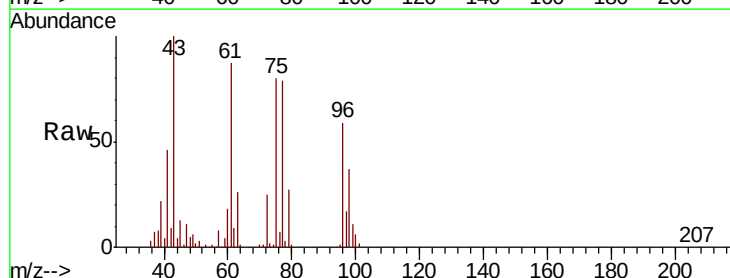
Instrument :
MSVOA_Y
ClientSampled :

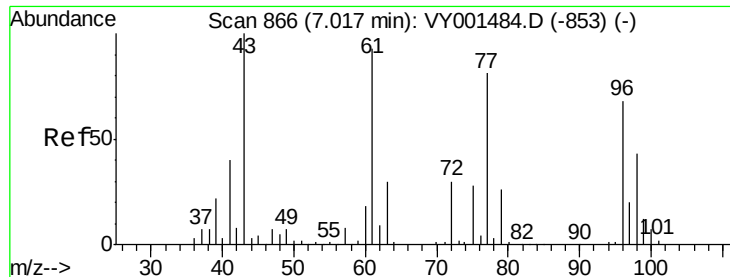
Tot Ion: 43 Resp: 96383
Ion Ratio Lower Upper
43 100
72 26.3 23.8 35.8



#26
2,2-Dichloropropane
Concen: 19.376 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 77 Resp: 77371
Ion Ratio Lower Upper
77 100
97 22.2 11.7 35.0



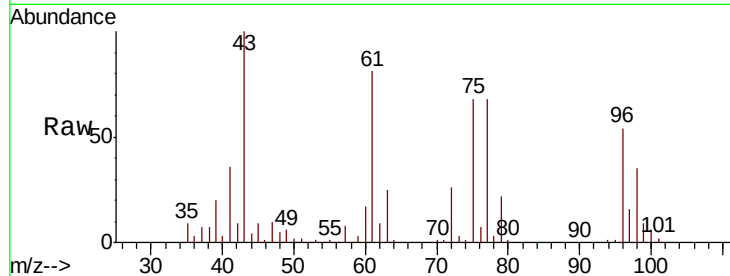


#27

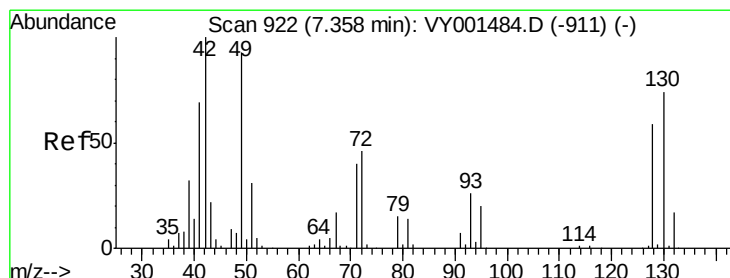
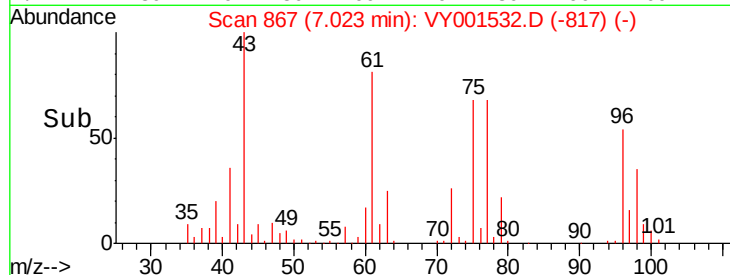
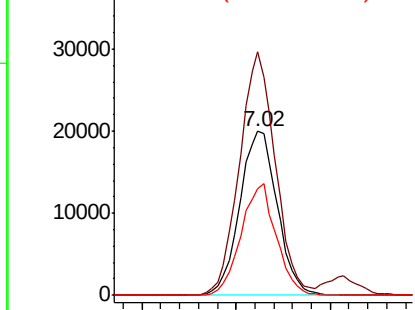
cis-1,2-Dichloroethene
Concen: 20.054 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 96 Resp: 55729
Ion Ratio Lower Upper
96 100
61 142.3 0.0 278.8
98 63.6 0.0 128.8



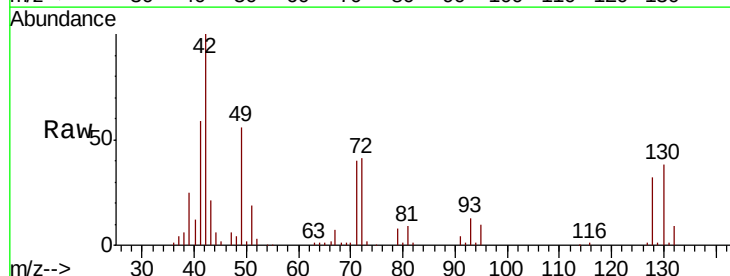
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



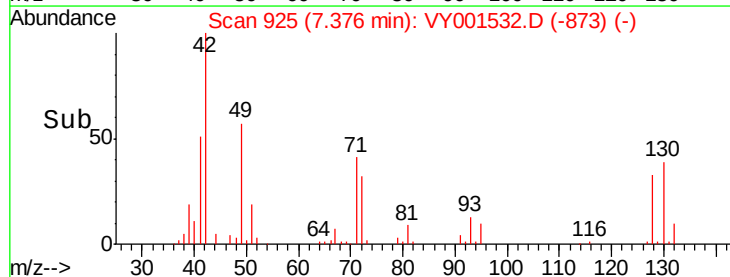
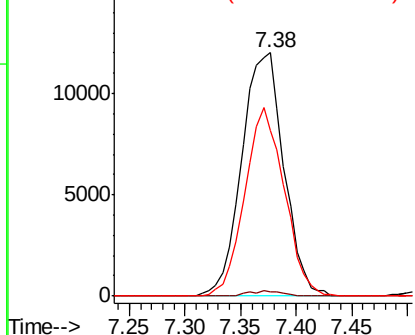
#28

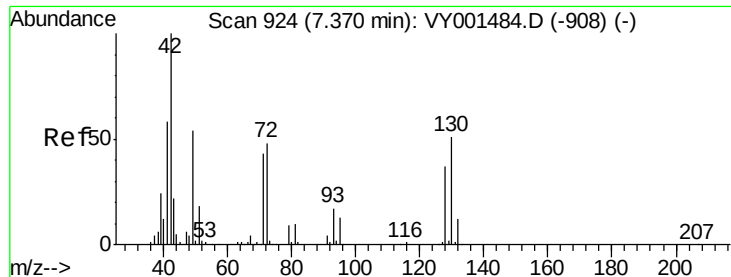
Bromochloromethane
Concen: 22.239 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.02 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 49 Resp: 31610
Ion Ratio Lower Upper
49 100
129 1.7 0.0 4.8
130 72.7 65.4 98.2



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

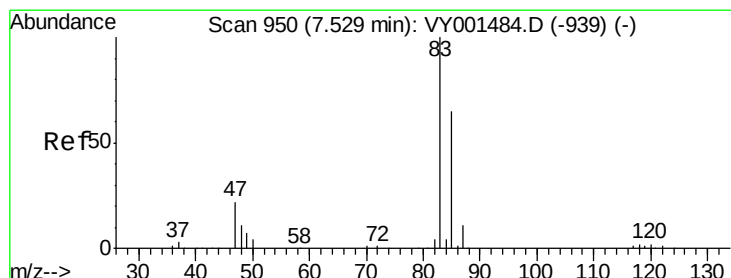
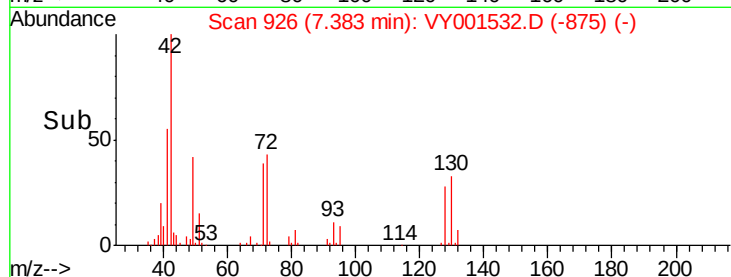
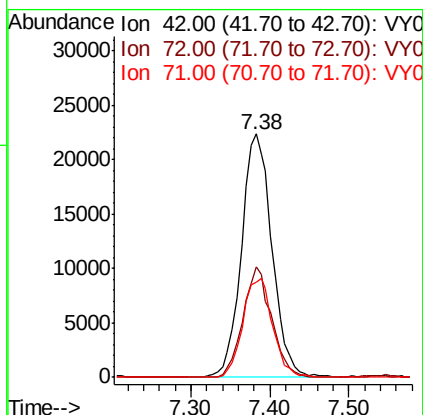
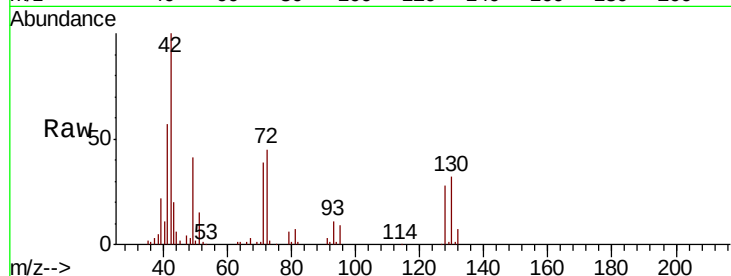




#29
Tetrahydrofuran
Concen: 122.147 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

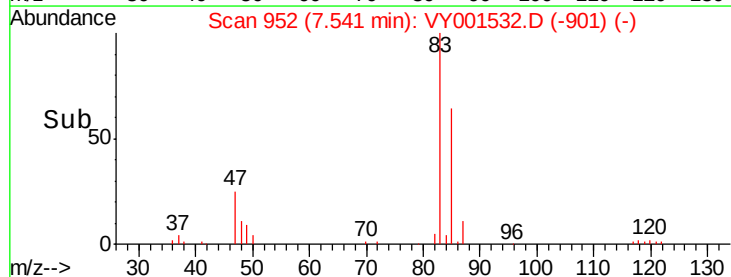
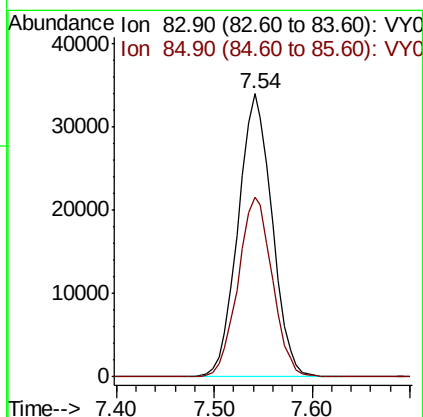
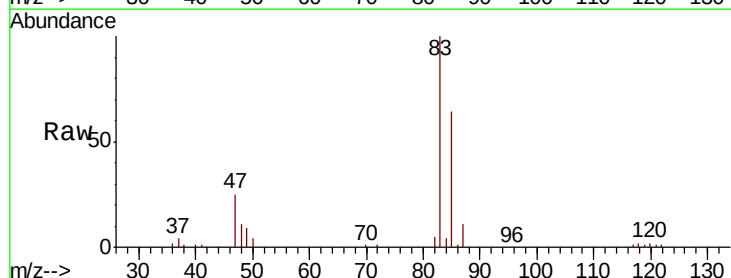
Instrument :
MSVOA_Y
ClientSampled :

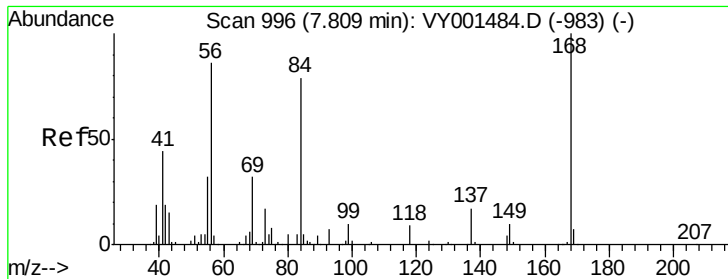
Tot Ion: 42 Resp: 60217
Ion Ratio Lower Upper
42 100
72 42.2 37.8 56.6
71 39.6 34.8 52.2



#30
Chloroform
Concen: 19.369 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 83 Resp: 81858
Ion Ratio Lower Upper
83 100
85 63.7 52.4 78.6

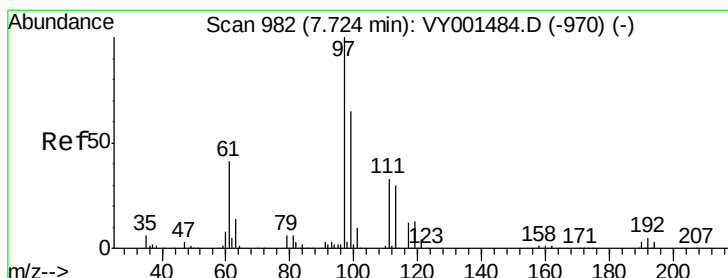
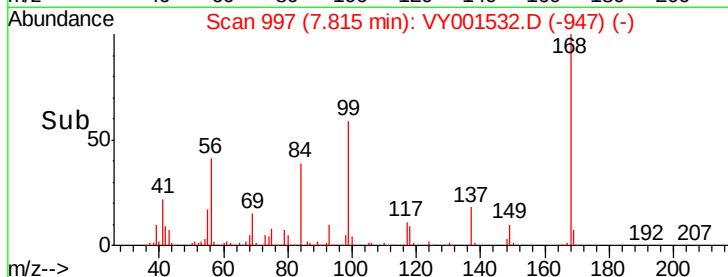
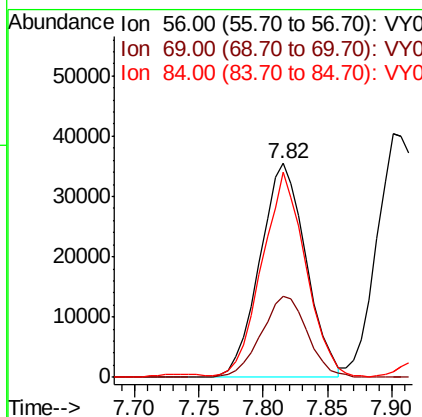
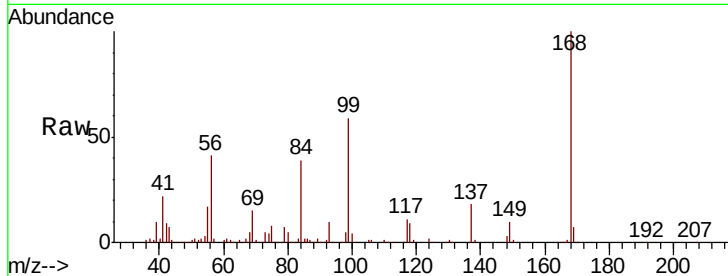




#31
Cyclohexane
Concen: 20.649 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

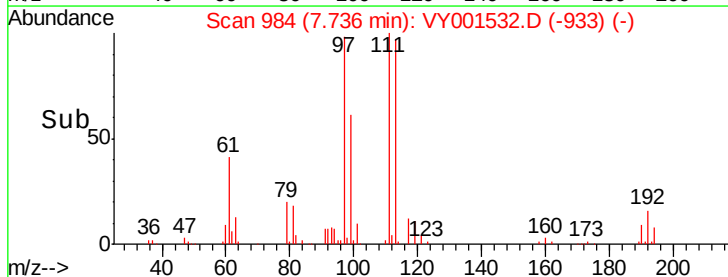
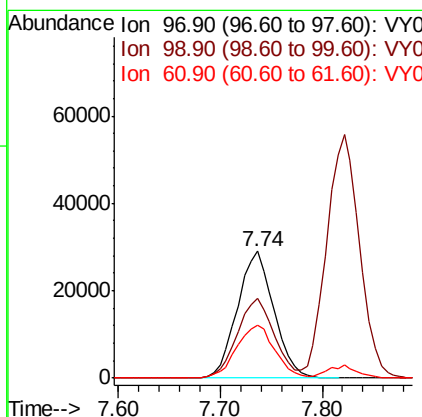
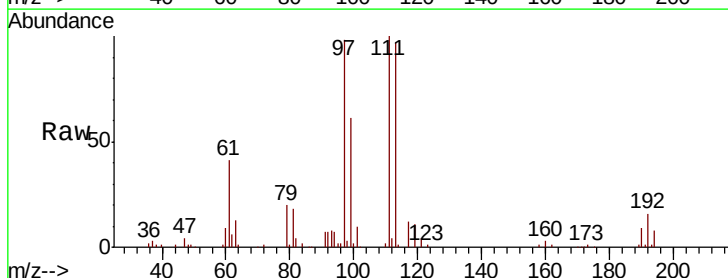
Instrument :
MSVOA_Y
ClientSampled :

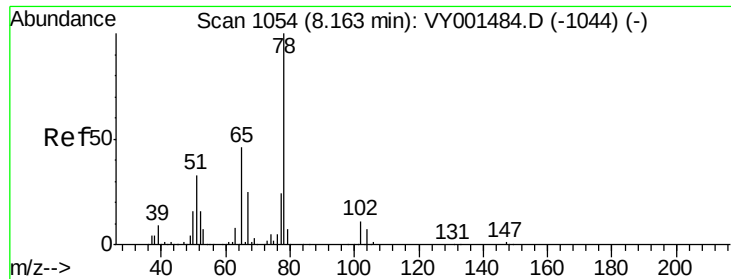
Tot Ion: 56 Resp: 88127
Ion Ratio Lower Upper
56 100
69 38.2 29.6 44.4
84 94.6 73.6 110.4



#32
1,1,1-Trichloroethane
Concen: 18.822 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 97 Resp: 72122
Ion Ratio Lower Upper
97 100
99 62.8 51.8 77.8
61 43.7 32.5 48.7

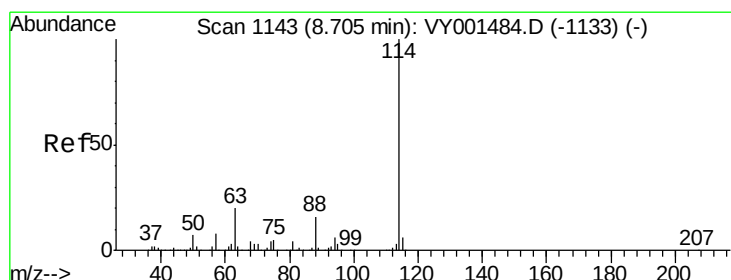
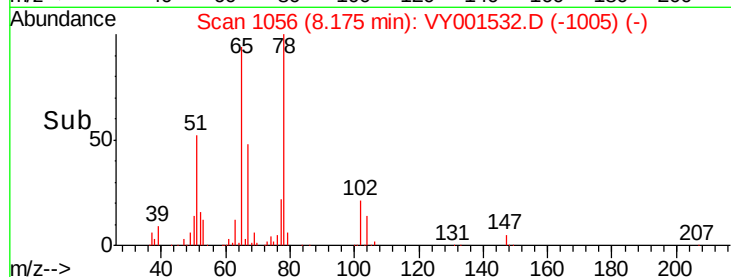
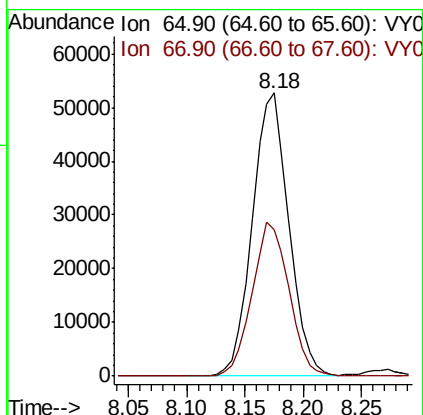
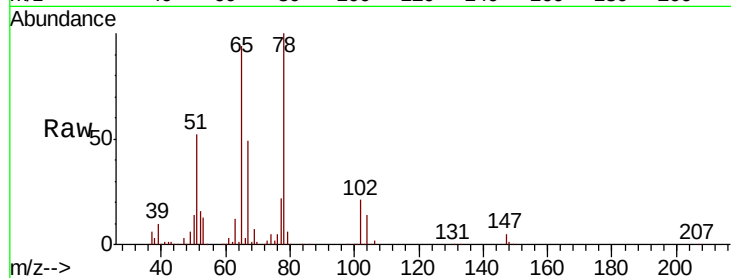




#33
 1,2-Dichloroethane-d4
 Concen: 52.229 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

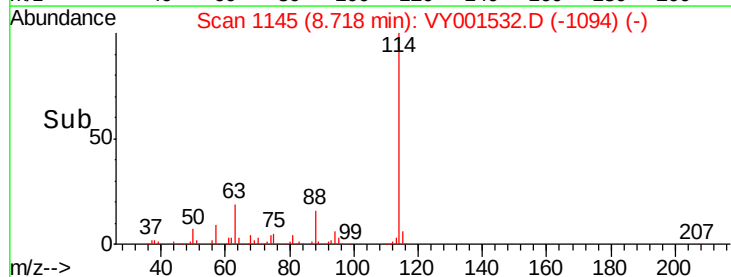
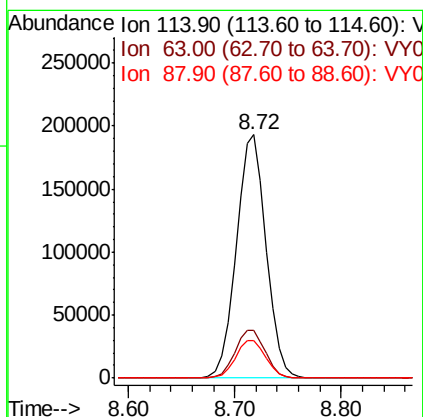
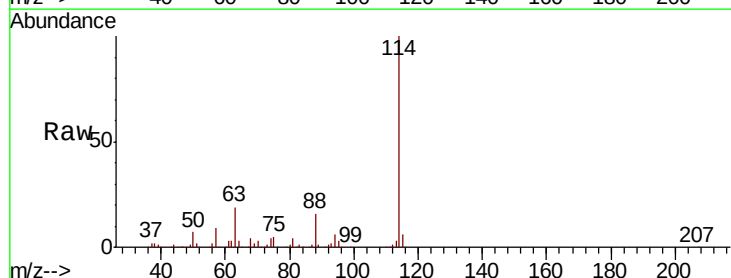
Instrument :
 MSVOA_Y
 ClientSampleId :

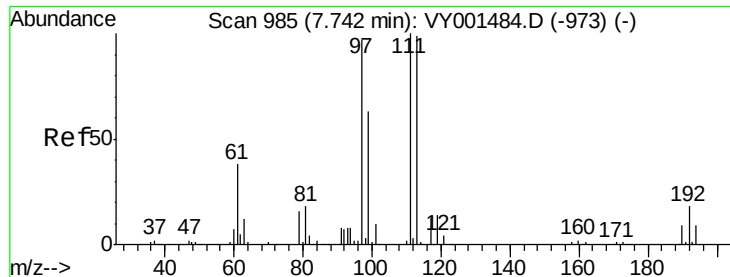
Tot Ion: 65 Resp: 114474
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion: 114 Resp: 377060
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.5 0.0 32.6

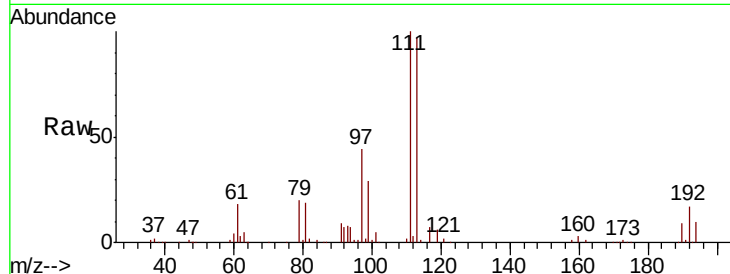




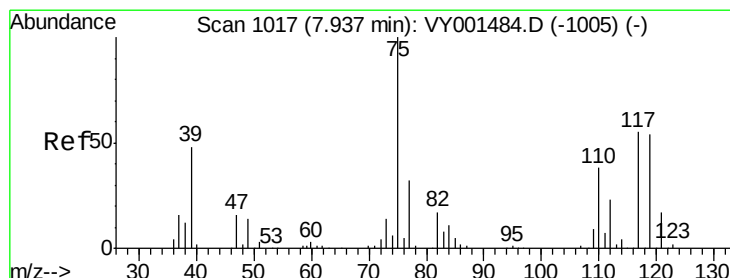
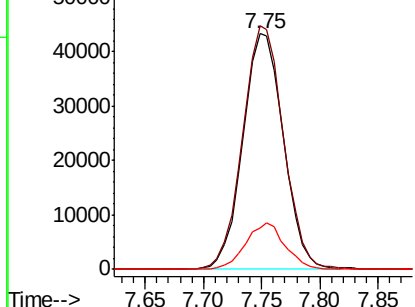
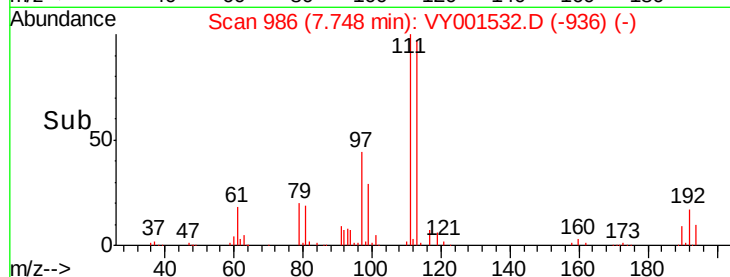
#35
 Dibromofluoromethane
 Concen: 48.405 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.9	124.3
192	19.1	14.6	22.0

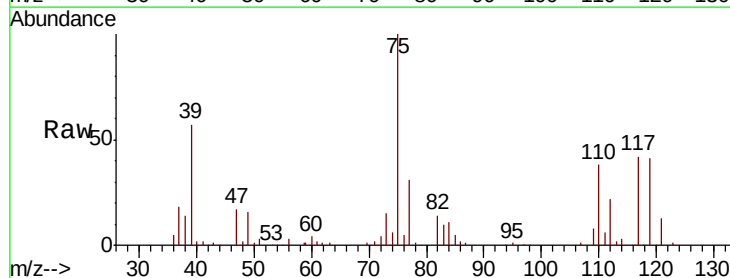


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

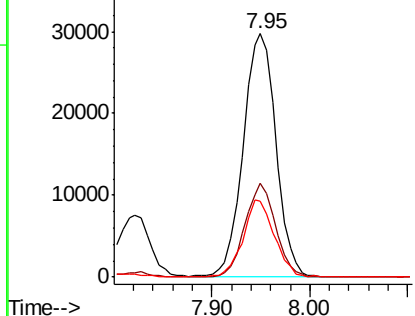
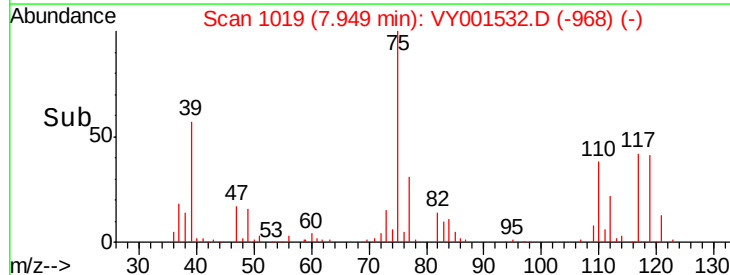


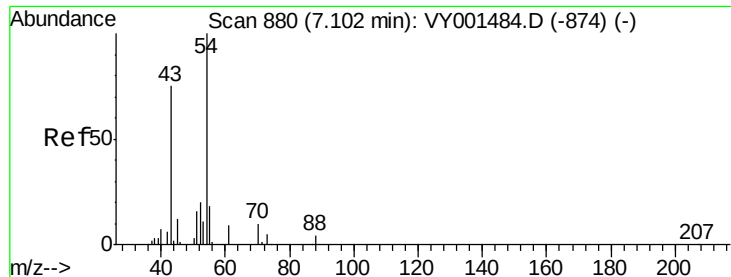
#36
 1,1-Dichloropropene
 Concen: 20.087 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.2	54.6
77	30.1	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

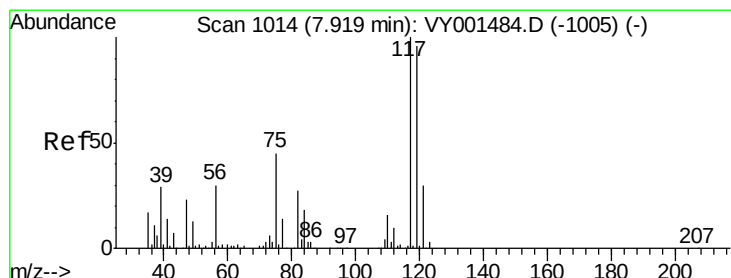
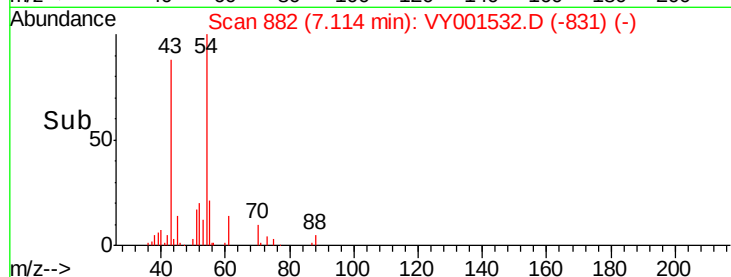
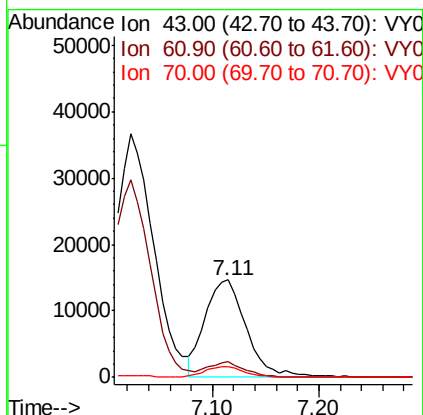
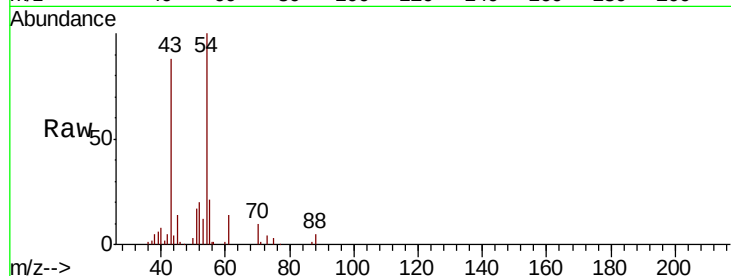




#37
Ethyl Acetate
Concen: 23.110 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

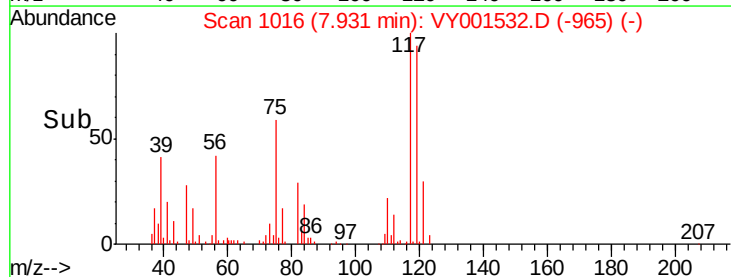
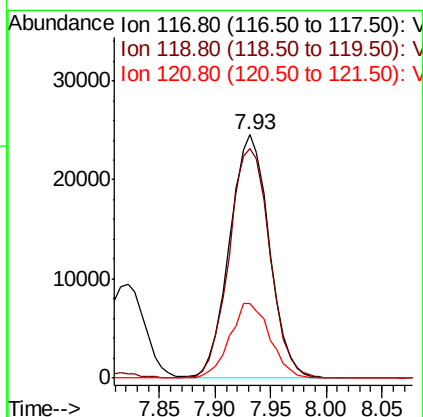
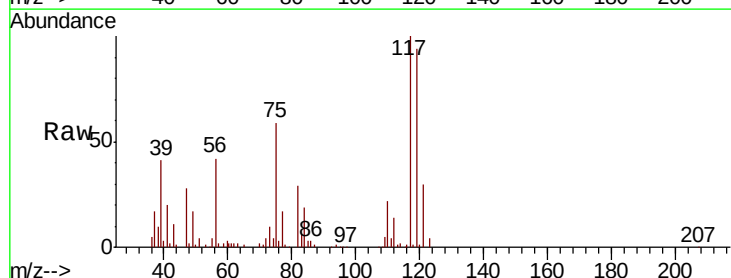
Instrument :
MSVOA_Y
ClientSampleId :

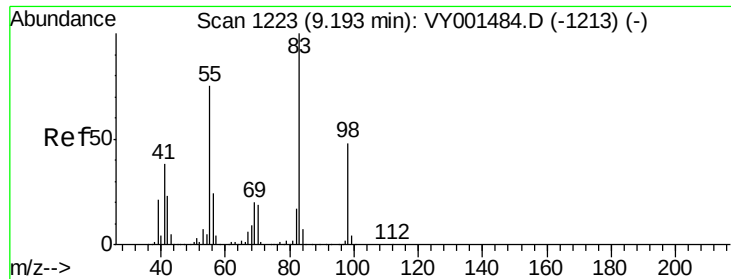
Tot Ion: 43 Resp: 38590
Ion Ratio Lower Upper
43 100
61 14.4 12.0 18.0
70 11.0 10.2 15.4



#38
Carbon Tetrachloride
Concen: 18.194 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 117 Resp: 60718
Ion Ratio Lower Upper
117 100
119 94.3 76.4 114.6
121 30.4 24.2 36.4

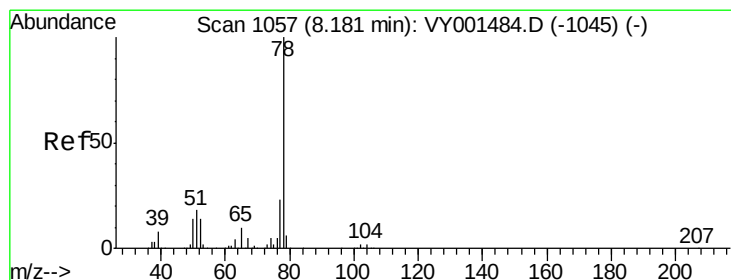
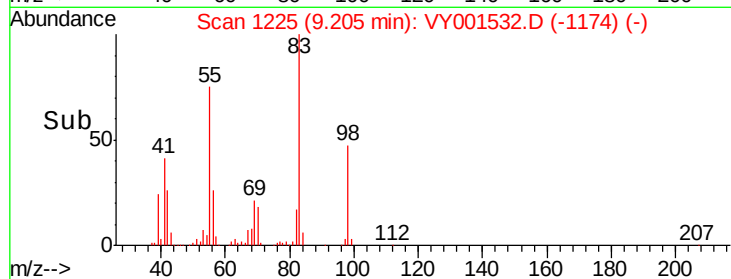
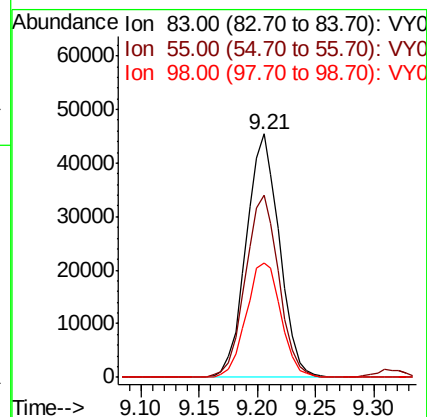
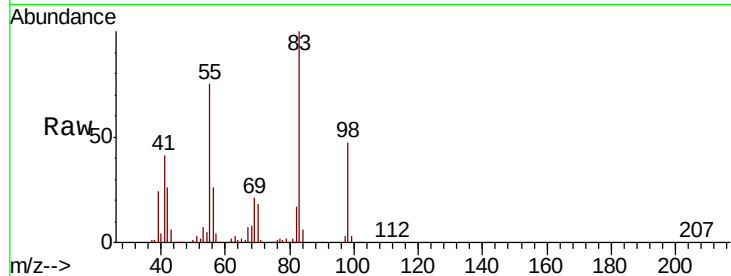




#39
Methylvlcyclohexane
Concen: 19.824 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

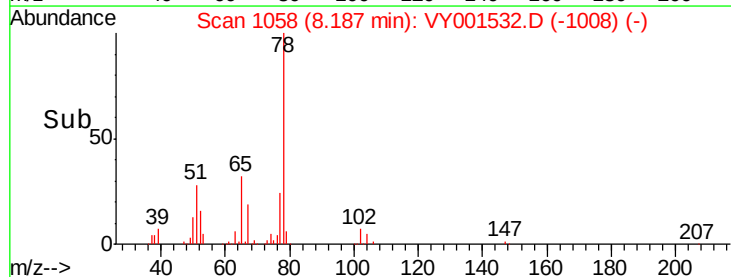
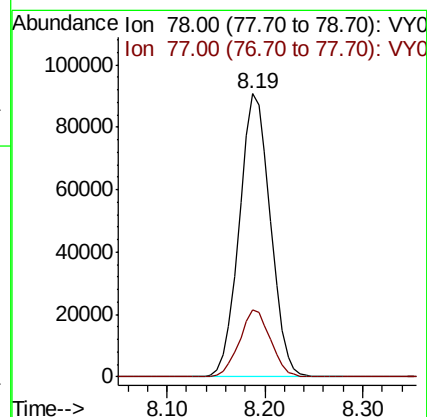
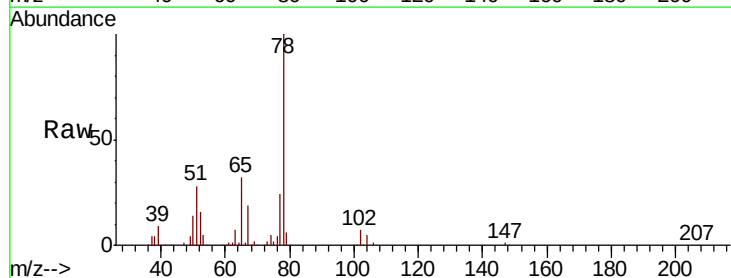
Instrument :
MSVOA_Y
ClientSampleId :

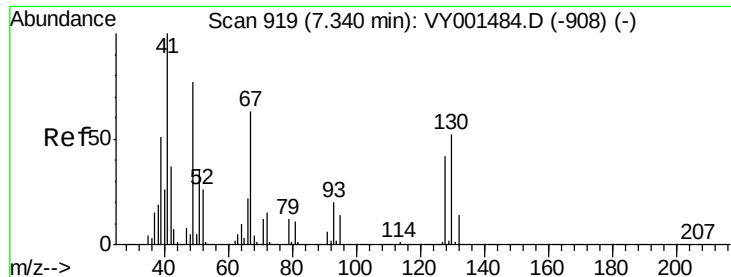
Tot Ion: 83 Resp: 90040
Ion Ratio Lower Upper
83 100
55 74.8 59.8 89.6
98 47.2 38.6 57.8



#40
Benzene
Concen: 20.360 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 78 Resp: 200314
Ion Ratio Lower Upper
78 100
77 23.6 18.5 27.7

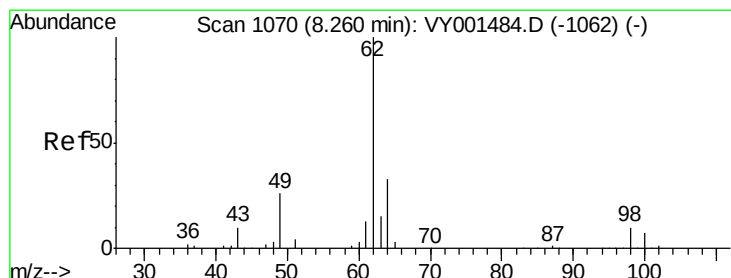
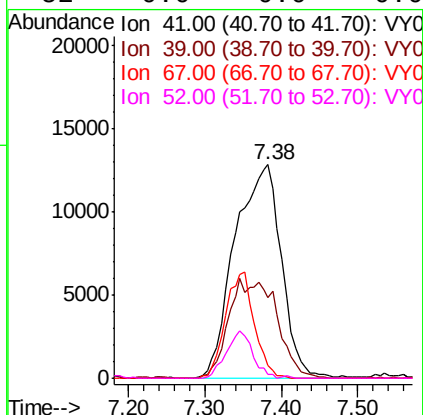
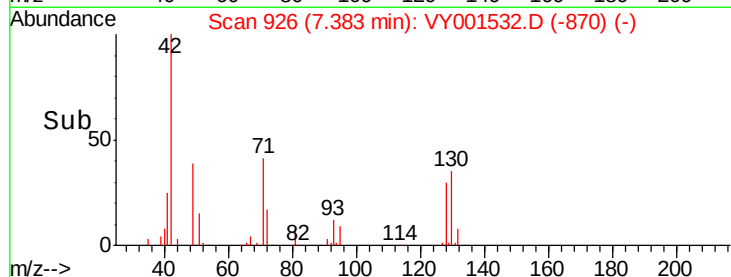
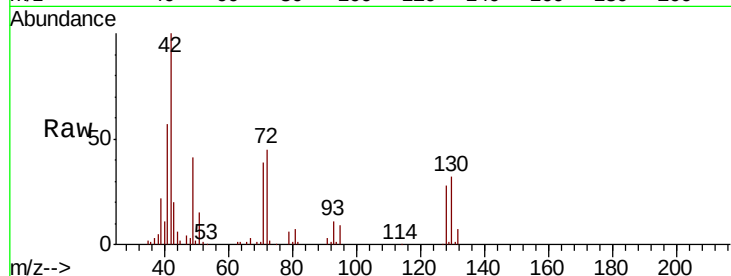




#41
Methacrylonitrile
Concen: 70.001 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.04 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

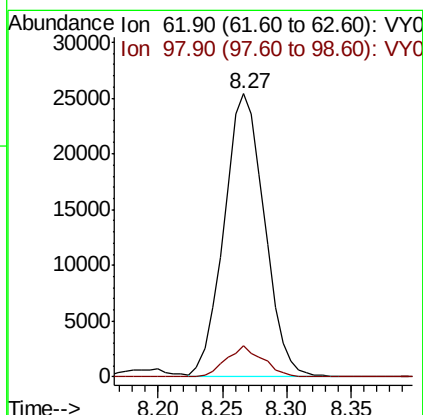
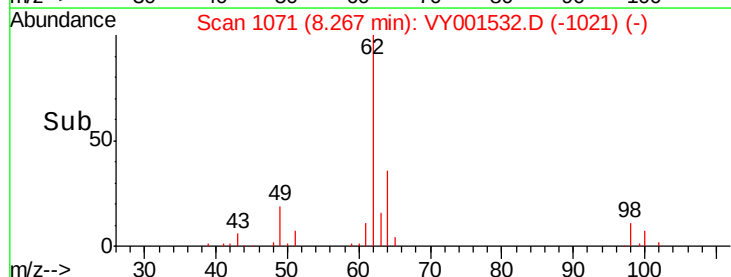
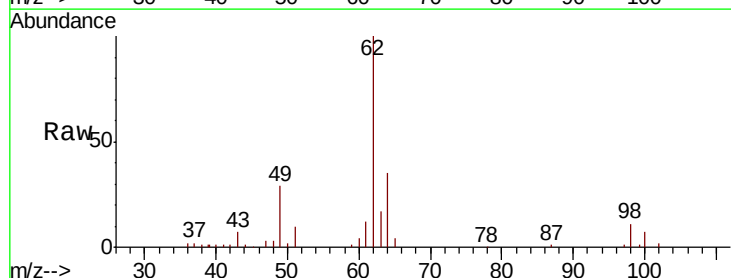
Instrument :
MSVOA_Y
ClientSampleId :

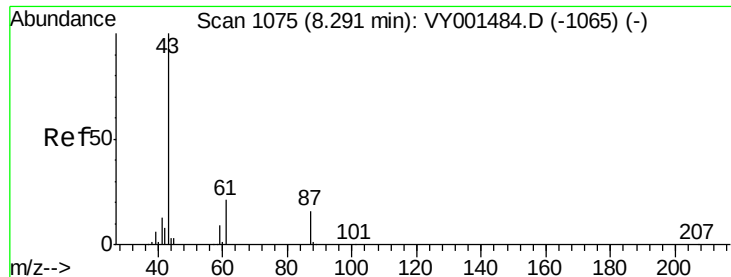
Tot Ion: 41 Resp: 54175
Ion Ratio Lower Upper
41 100
39 0.0 116.8 175.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 20.260 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 62 Resp: 55534
Ion Ratio Lower Upper
62 100
98 9.8 0.0 21.0





#43

Isopropyl Acetate

Concen: 23.392 ug/l

RT: 8.30 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

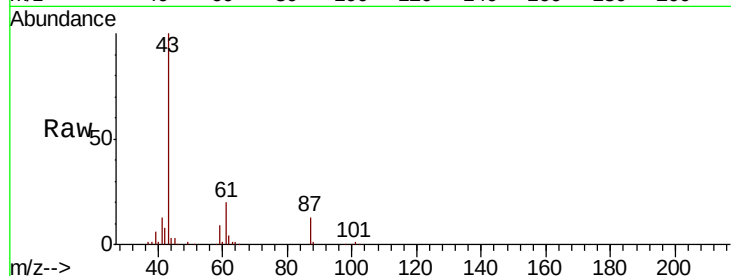
Tot Ion: 43 Resp: 77337

Ion Ratio Lower Upper

43 100

61 28.8 25.1 37.7

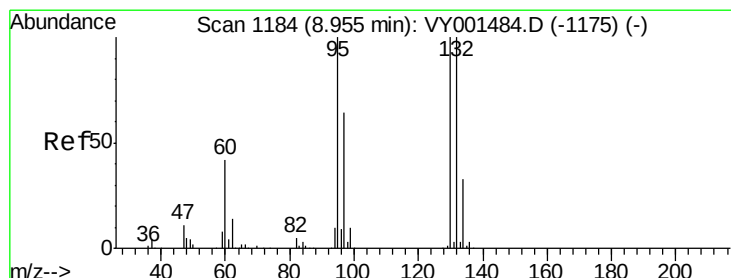
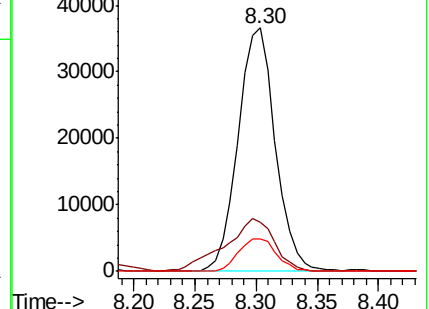
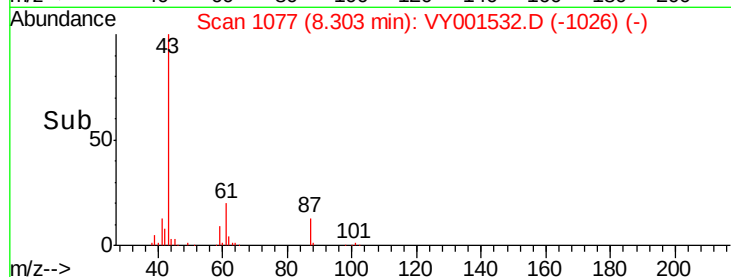
87 13.7 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VY001532.D (-1135) (-)

Ion 61.00 (60.70 to 61.70): VY001532.D (-1135) (-)

Ion 87.00 (86.70 to 87.70): VY001532.D (-1135) (-)



#44

Trichloroethene

Concen: 19.358 ug/l

RT: 8.96 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VY001532.D

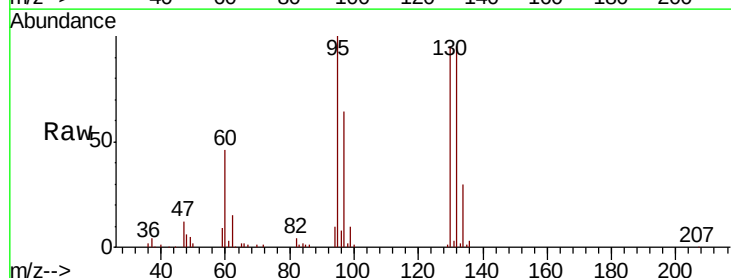
Acq: 06 Feb 2020 15:50

Tgt Ion: 130 Resp: 51338

Ion Ratio Lower Upper

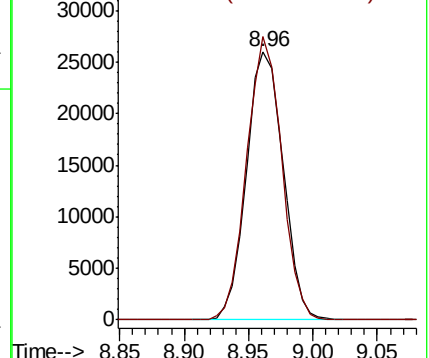
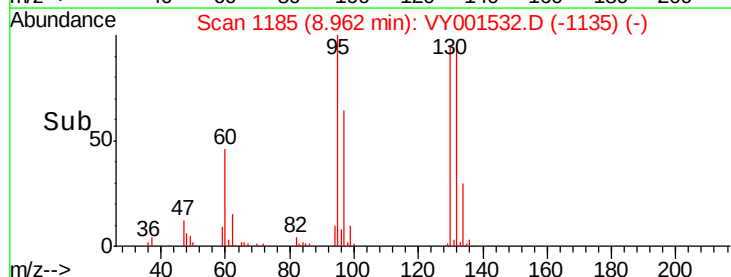
130 100

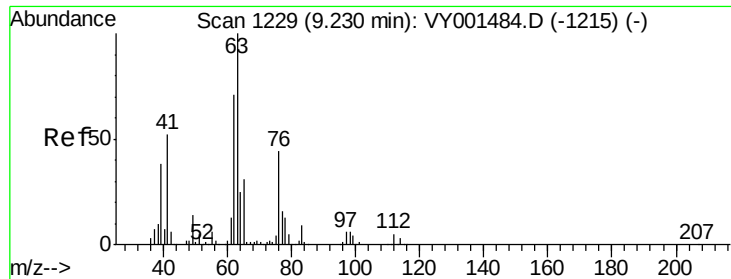
95 105.4 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): VY001532.D (-1135) (-)

Ion 94.90 (94.60 to 95.60): VY001532.D (-1135) (-)





#45

1,2-Dichloropropane

Concen: 21.642 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

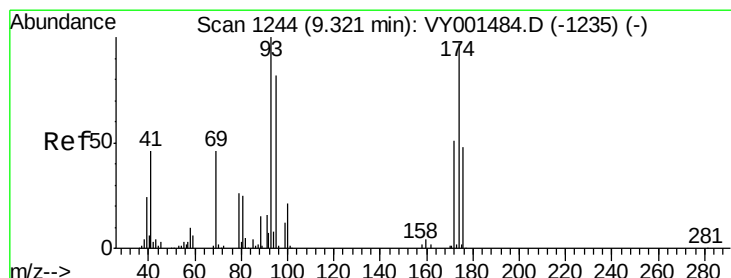
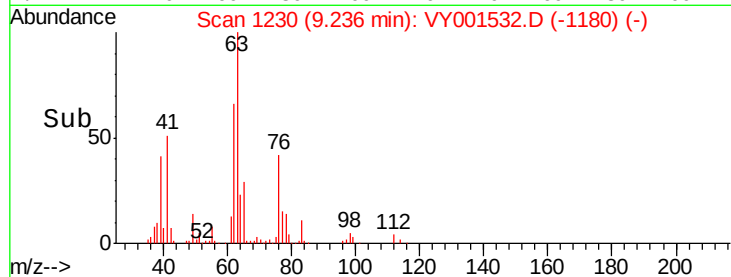
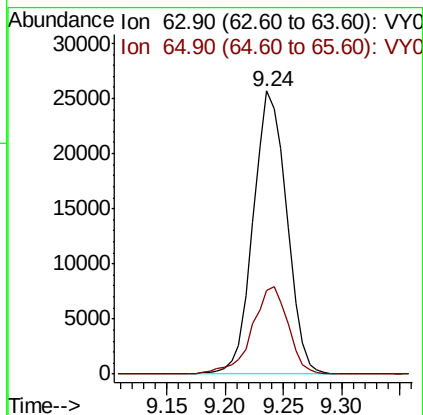
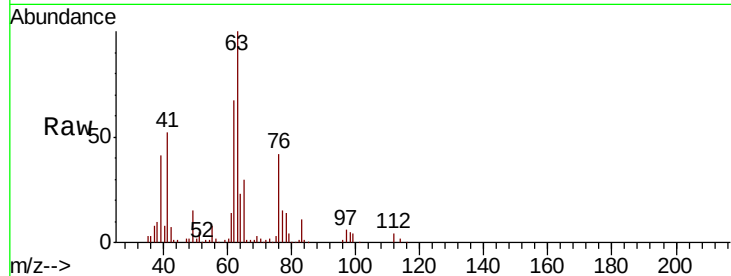
ClientSampleId :

Tot Ion: 63 Resp: 51418

Ion Ratio Lower Upper

63 100

65 29.7 25.0 37.4



#46

Dibromomethane

Concen: 19.613 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

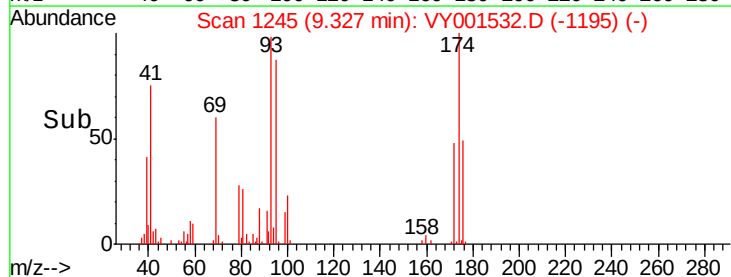
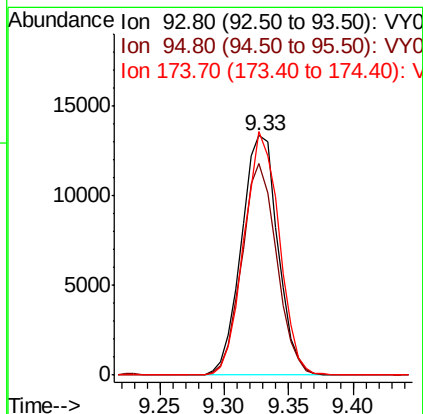
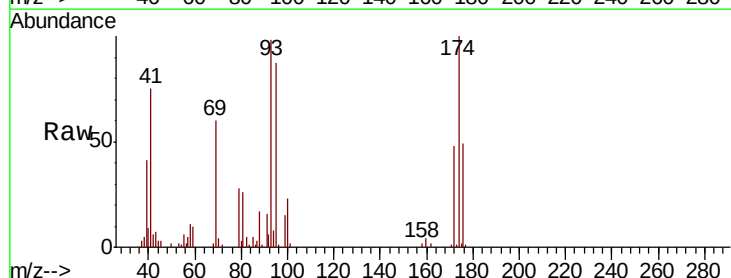
Tgt Ion: 93 Resp: 26166

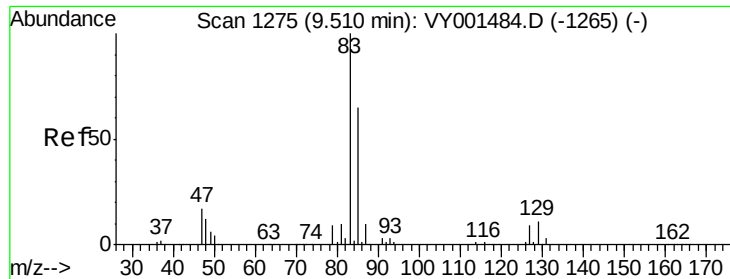
Ion Ratio Lower Upper

93 100

95 84.2 66.6 99.8

174 97.5 75.4 113.2





#47

Bromodichloromethane

Concen: 19.207 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

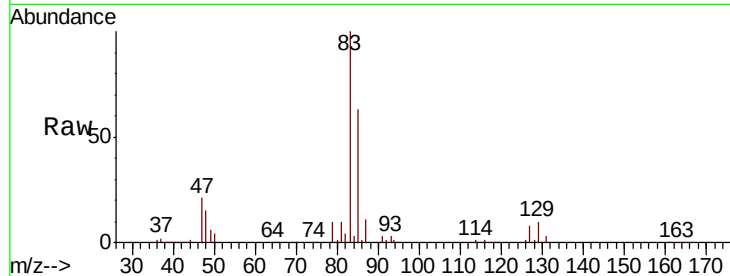
Tot Ion: 83 Resp: 62433

Ion Ratio Lower Upper

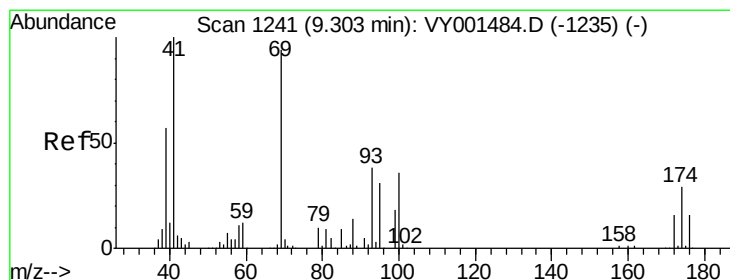
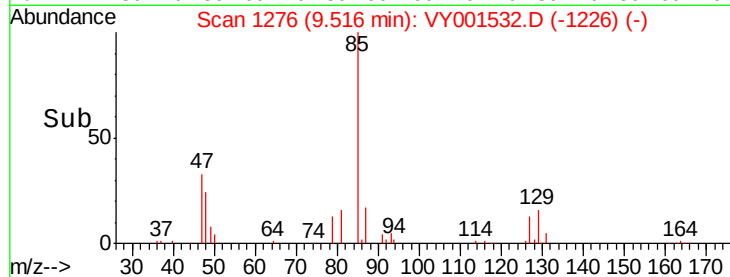
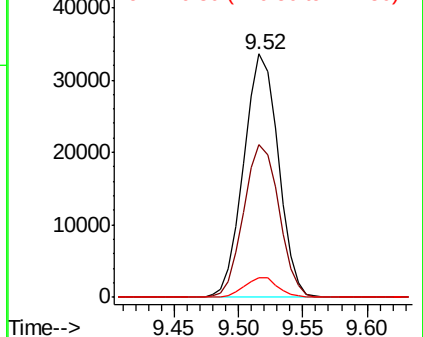
83 100

85 62.7 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): VY0



#48

Methyl methacrylate

Concen: 22.864 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

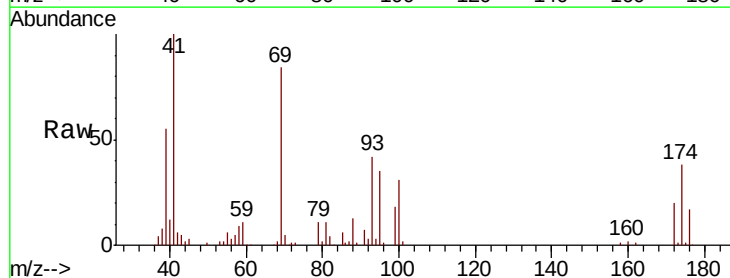
Tgt Ion: 41 Resp: 34309

Ion Ratio Lower Upper

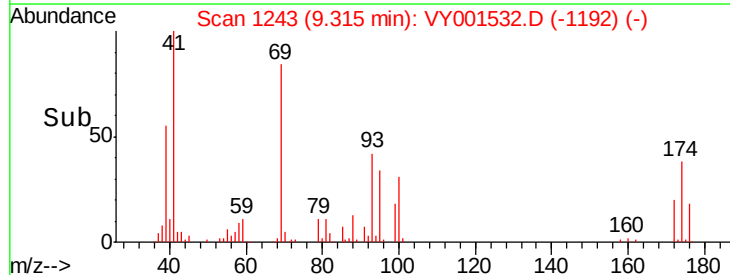
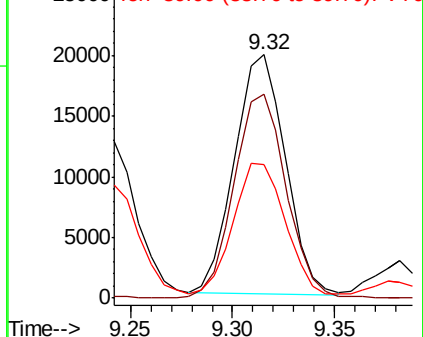
41 100

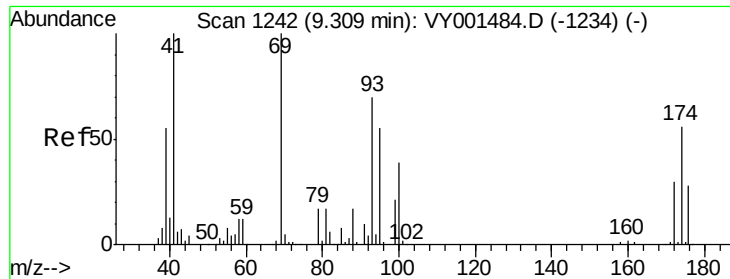
69 87.4 76.6 114.8

39 59.0 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

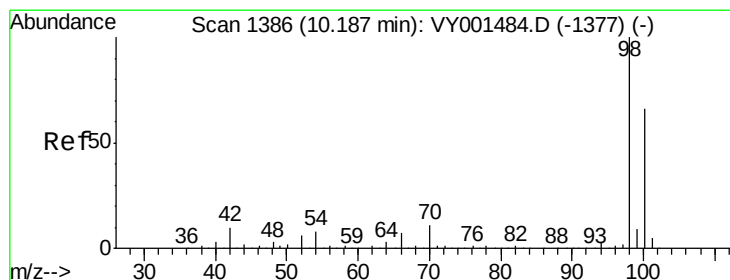
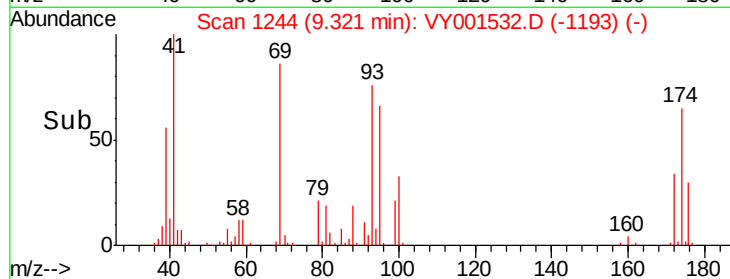
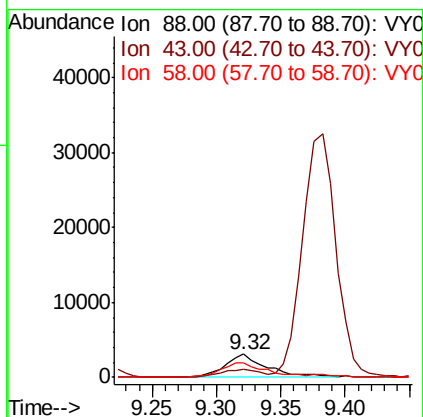
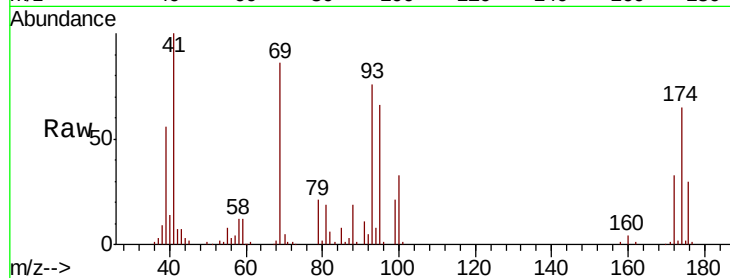




#49
1,4-Dioxane
Concen: 395.265 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

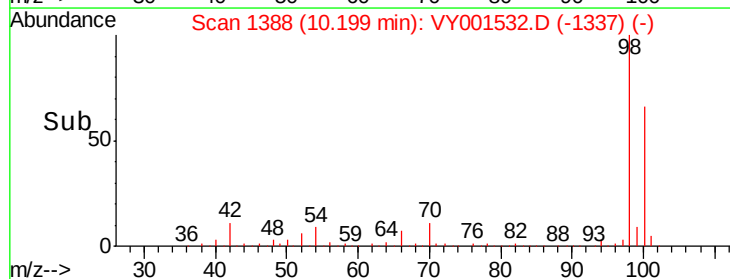
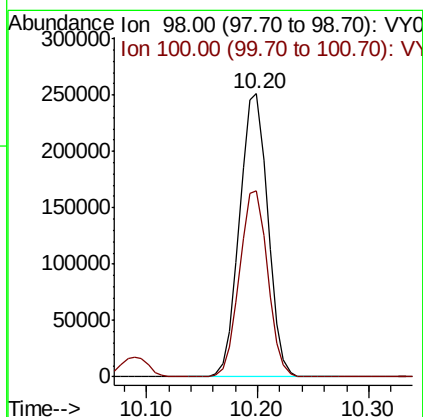
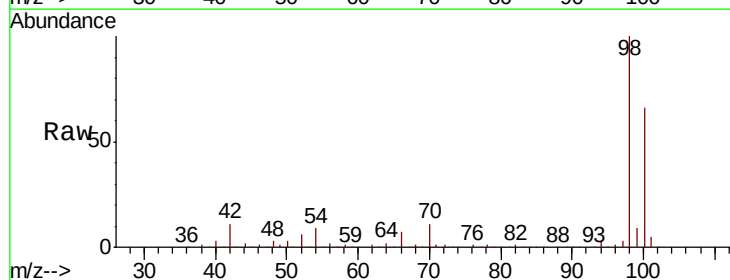
Instrument :
MSVOA_Y
ClientSampleId :

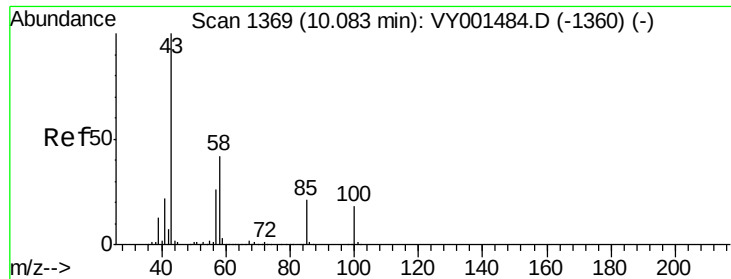
Tot Ion: 88 Resp: 6964
Ion Ratio Lower Upper
88 100
43 32.7 24.8 37.2
58 68.3 59.3 88.9



#50
Toluene-d8
Concen: 53.812 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 98 Resp: 442677
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 121.791 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

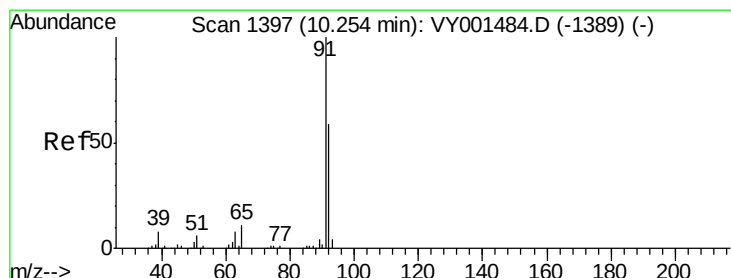
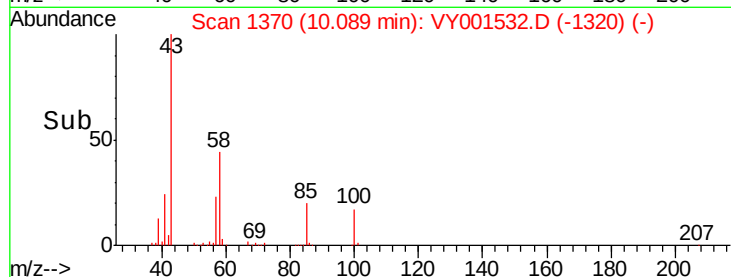
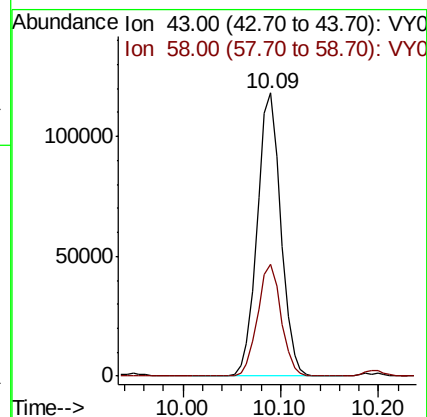
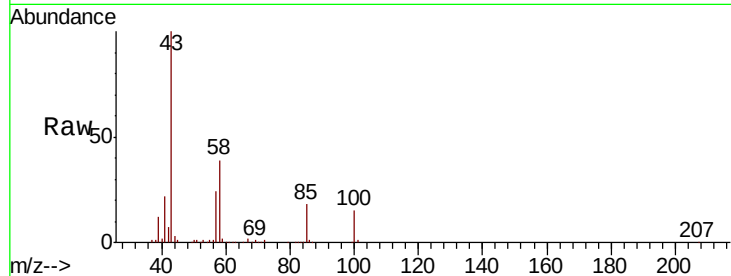
ClientSampleId :

Tot Ion: 43 Resp: 198300

Ion Ratio Lower Upper

43 100

58 39.3 33.9 50.9



#52

Toluene

Concen: 20.218 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001532.D

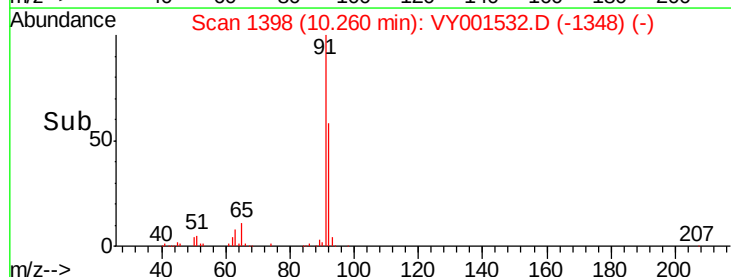
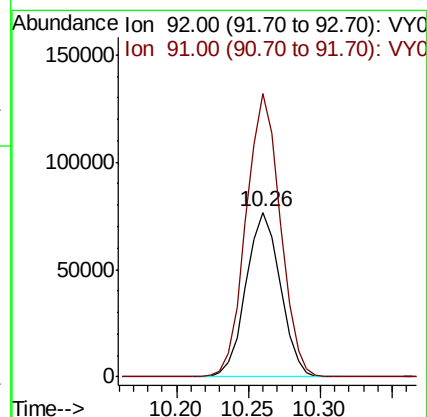
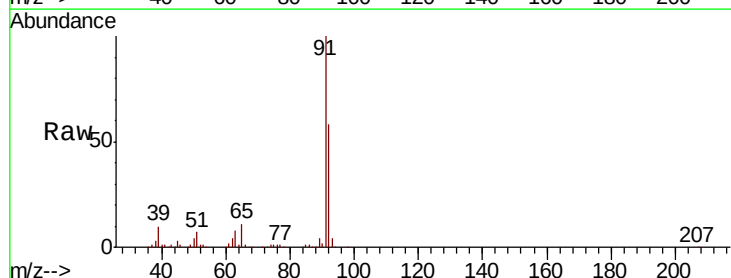
Acq: 06 Feb 2020 15:50

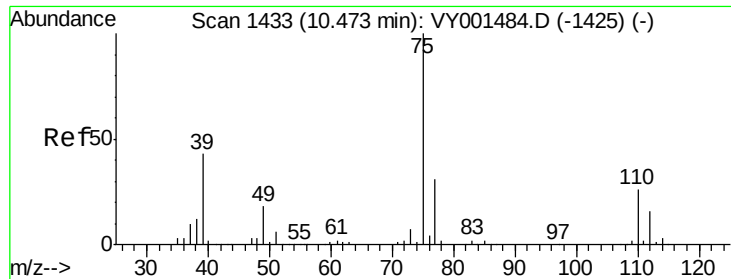
Tgt Ion: 92 Resp: 126215

Ion Ratio Lower Upper

92 100

91 171.8 136.6 204.8

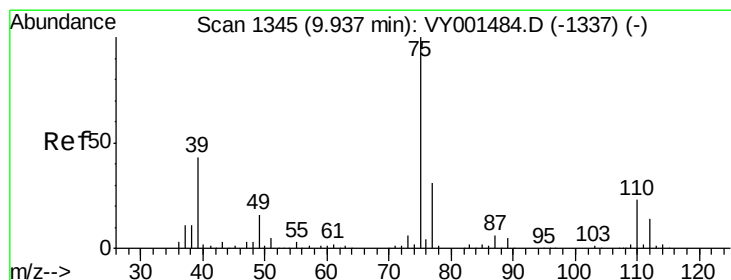
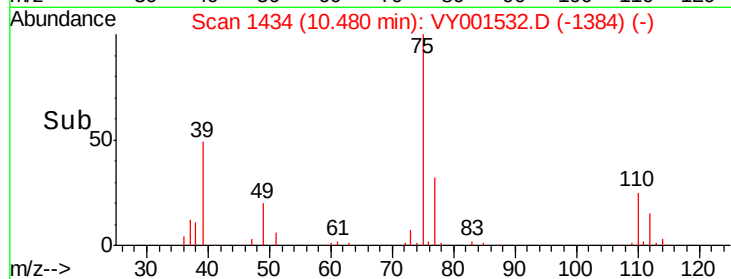
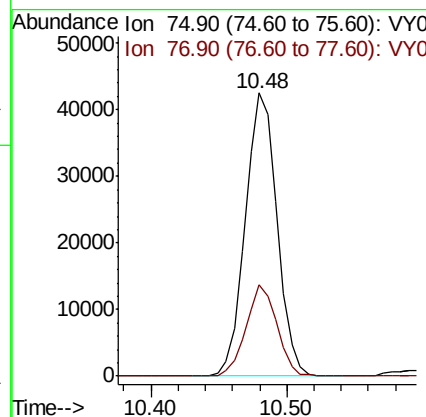
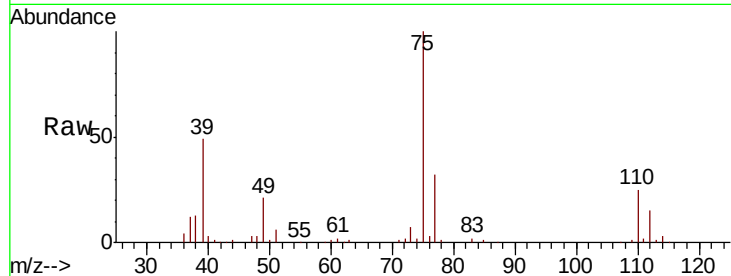




#53
t-1,3-Dichloropropene
Concen: 19.589 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

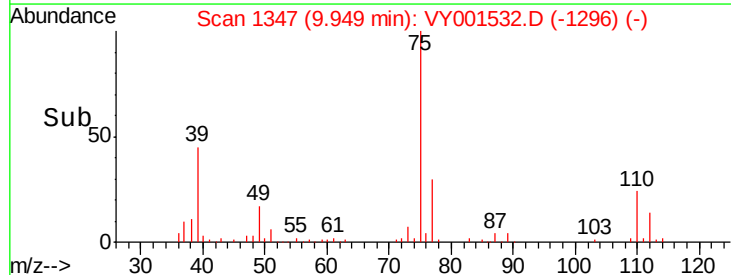
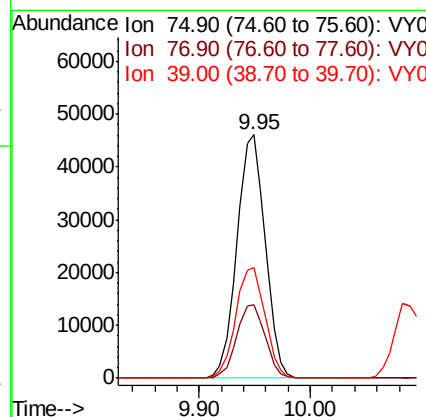
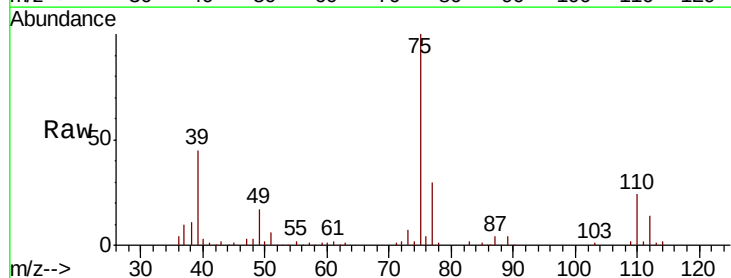
Instrument :
MSVOA_Y
ClientSampleId :

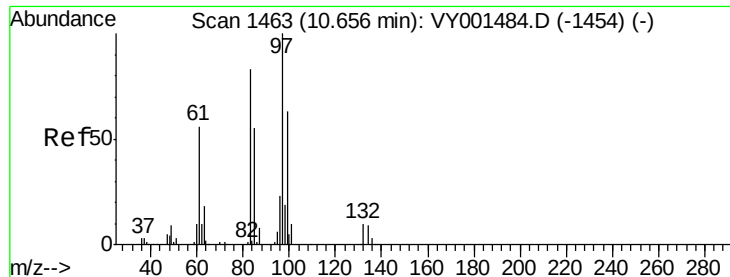
Tot Ion: 75 Resp: 69354
Ion Ratio Lower Upper
75 100
77 32.3 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 19.910 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 75 Resp: 80924
Ion Ratio Lower Upper
75 100
77 30.2 24.7 37.1
39 45.4 34.0 51.0





#55

1,1,2-Trichloroethane

Concen: 20.604 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 39438

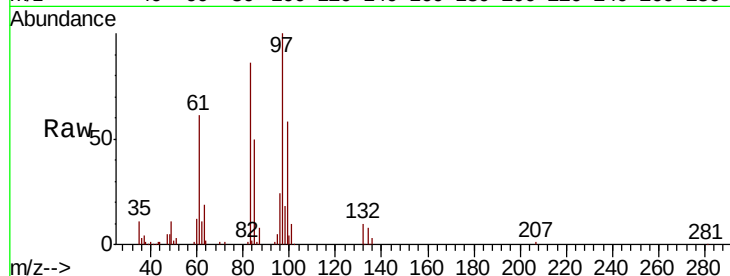
Ion Ratio Lower Upper

97 100

83 85.7 66.2 99.2

85 50.4 43.8 65.6

99 57.7 50.1 75.1

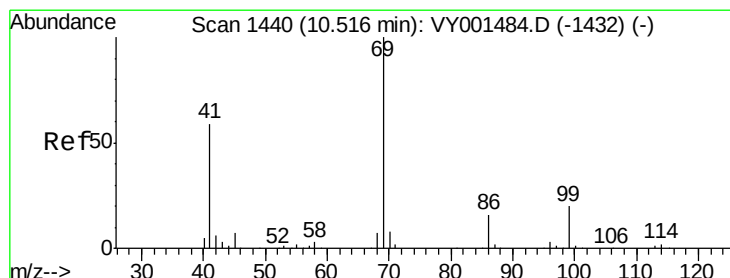
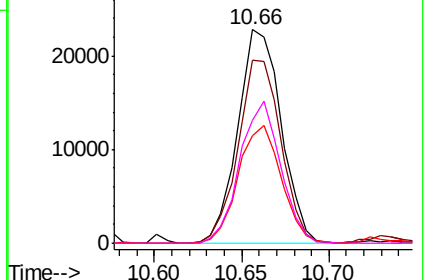
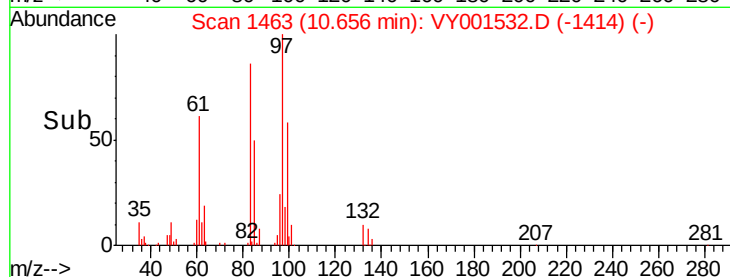


Abundance Ion 96.90 (96.60 to 97.60): VY0

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: 21.352 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

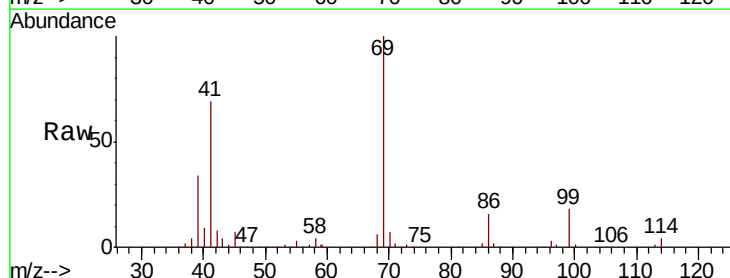
Tgt Ion: 69 Resp: 58130

Ion Ratio Lower Upper

69 100

41 67.8 47.8 71.8

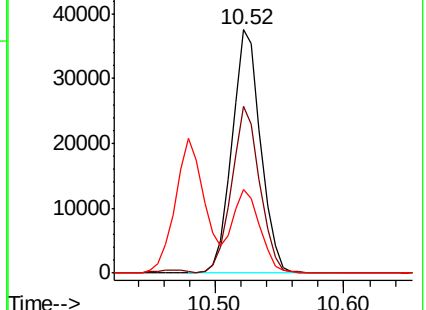
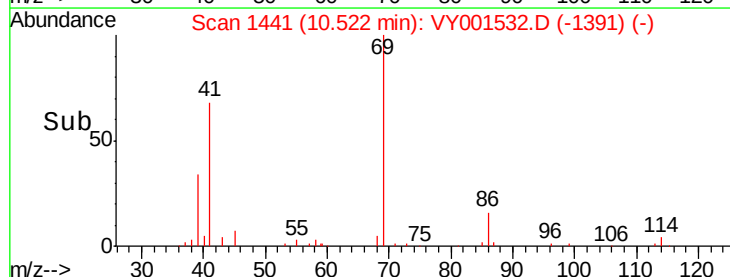
39 33.5 24.4 36.6

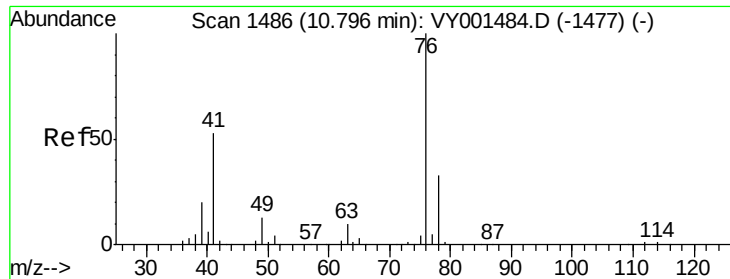


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 20.268 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

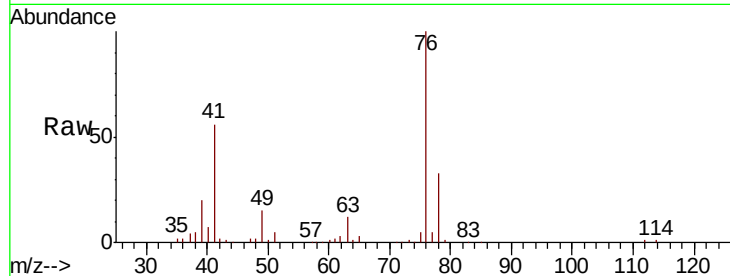
ClientSampleId :

Tot Ion: 76 Resp: 68386

Ion Ratio Lower Upper

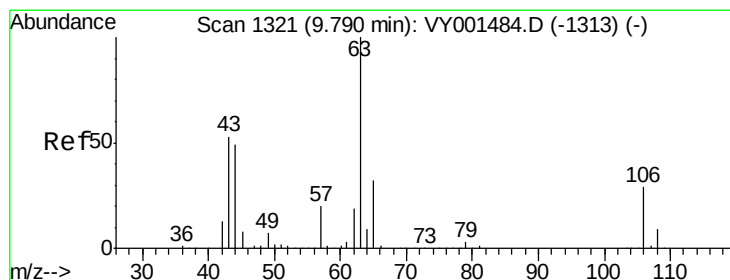
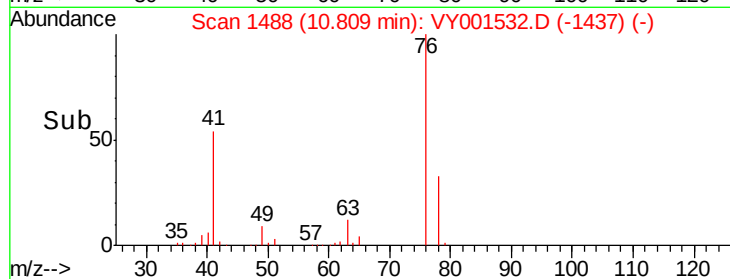
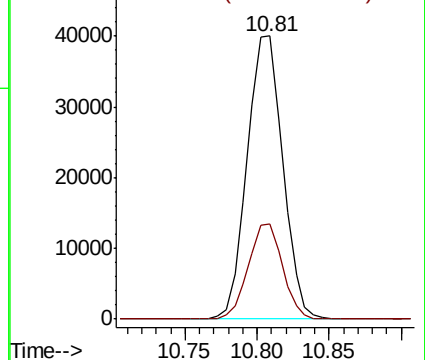
76 100

78 32.4 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 108.524 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY001532.D

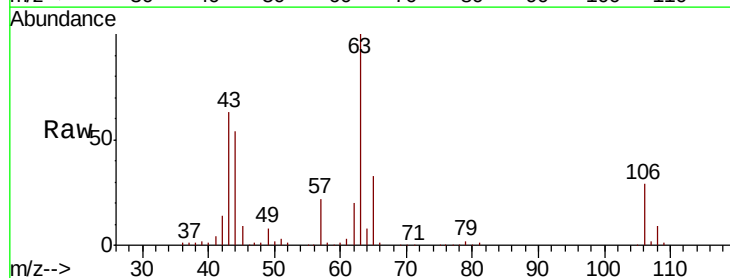
Acq: 06 Feb 2020 15:50

Tgt Ion: 63 Resp: 108689

Ion Ratio Lower Upper

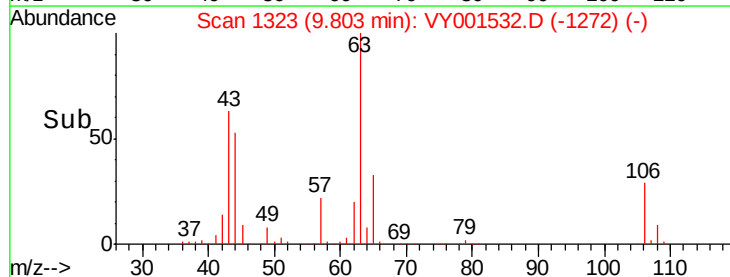
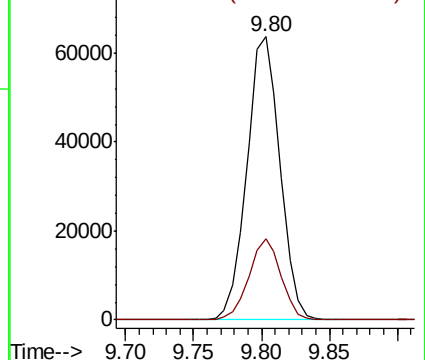
63 100

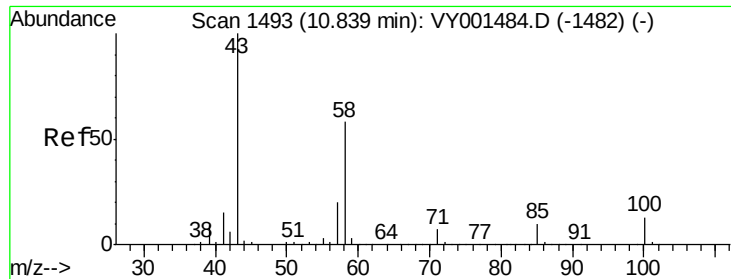
106 27.8 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

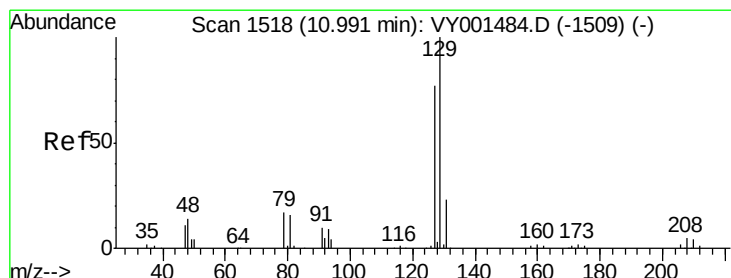
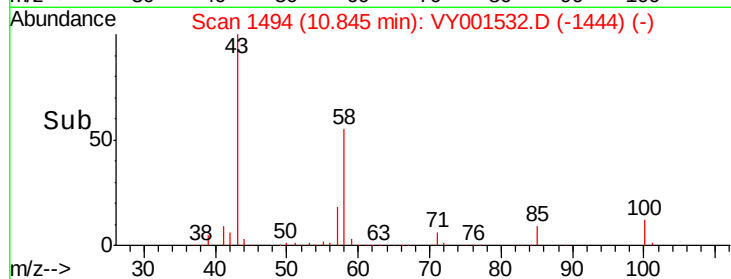
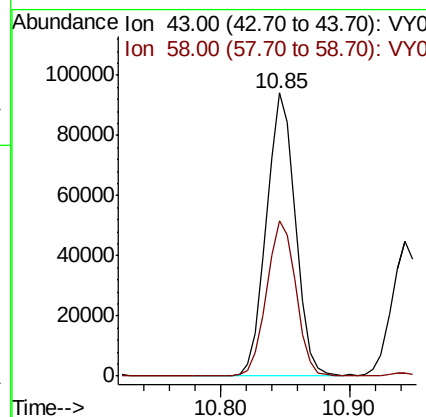
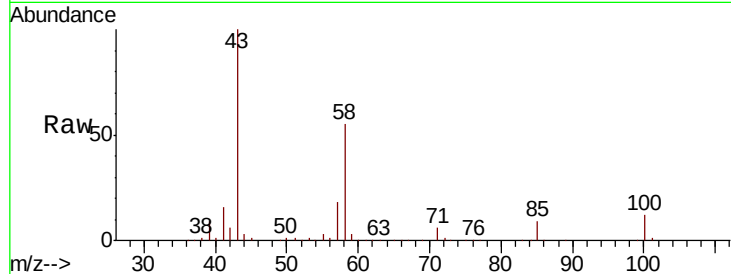




#59
 2-Hexanone
 Concen: 123.803 ug/l
 RT: 10.85 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

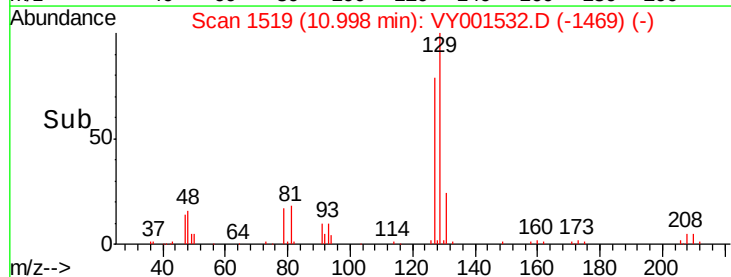
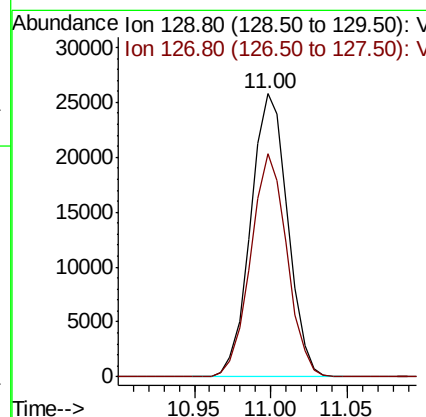
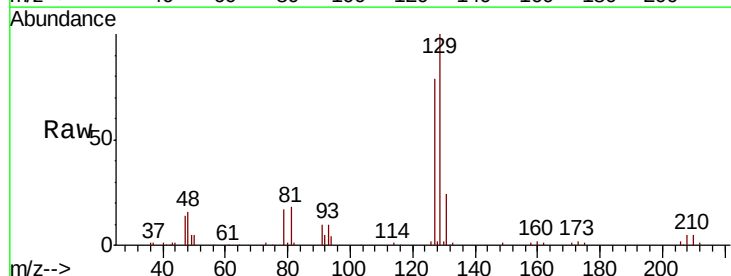
Instrument :
 MSVOA_Y
 ClientSampleId :

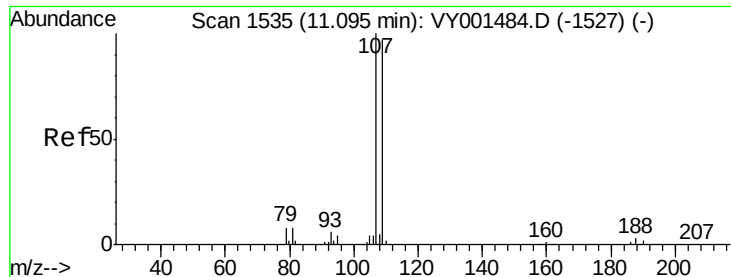
Tot Ion: 43 Resp: 146564
 Ion Ratio Lower Upper
 43 100
 58 55.4 29.0 87.0



#60
 Dibromochloromethane
 Concen: 19.206 ug/l
 RT: 11.00 min Scan# 1519
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion:129 Resp: 43334
 Ion Ratio Lower Upper
 129 100
 127 77.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.132 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

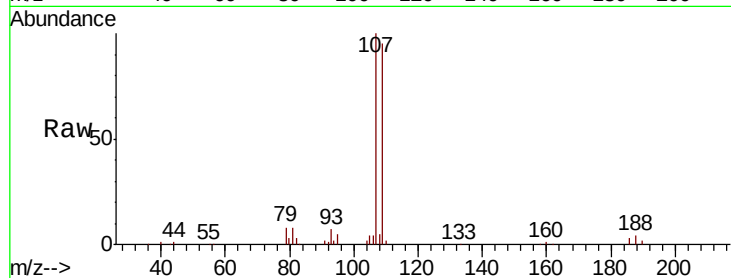
ClientSampleId :

Tot Ion:107 Resp: 37954

Ion Ratio Lower Upper

107 100

109 92.2 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.10

25000

20000

15000

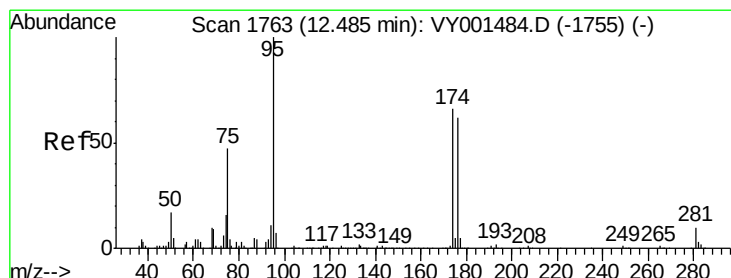
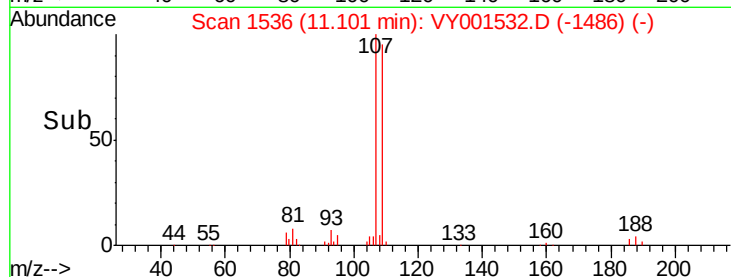
10000

5000

0

Time-->

11.05 11.10 11.15



#62

4-Bromofluorobenzene

Concen: 49.398 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

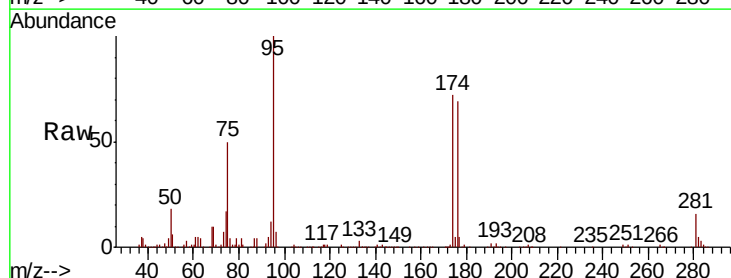
Tgt Ion: 95 Resp: 160085

Ion Ratio Lower Upper

95 100

174 73.3 0.0 141.4

176 70.4 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.49

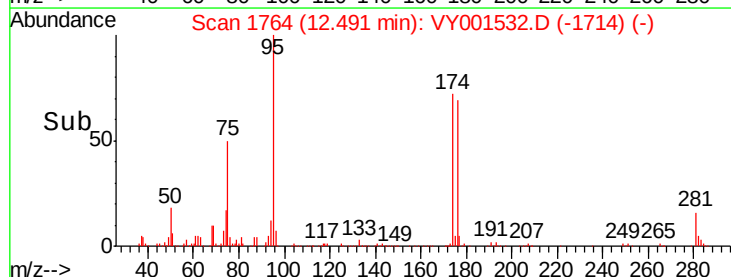
100000

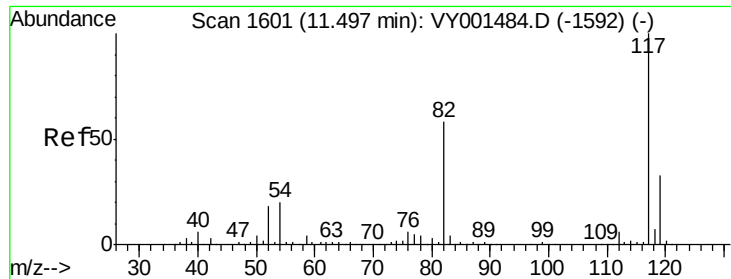
50000

0

Time-->

12.40 12.50

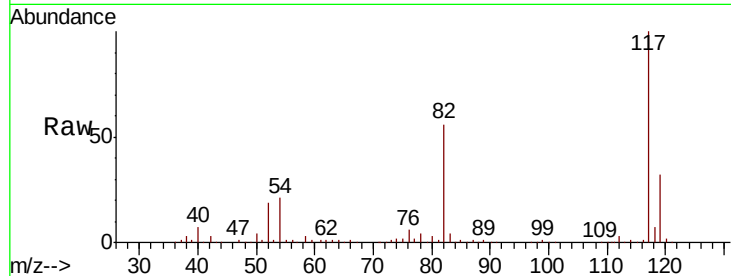




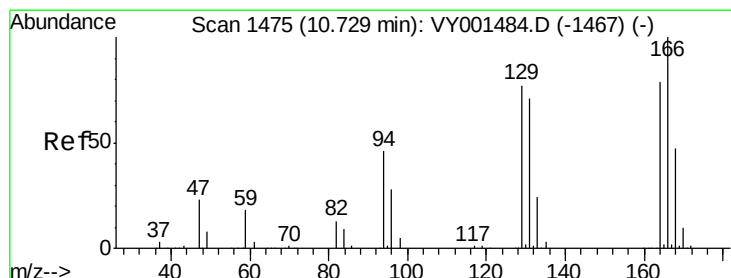
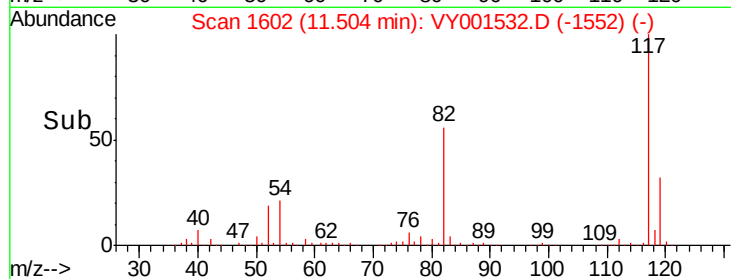
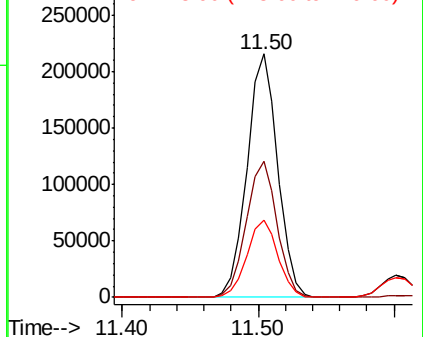
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 339225
Ion Ratio Lower Upper
117 100
82 55.7 46.1 69.1
119 31.9 26.1 39.1

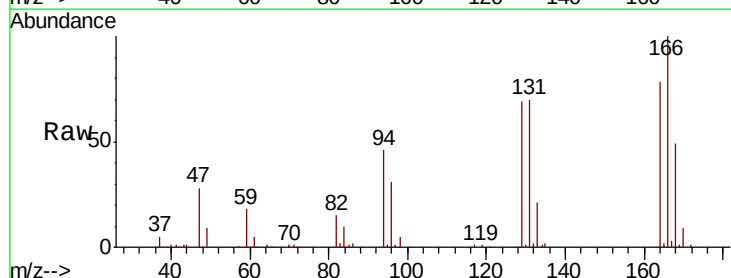


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

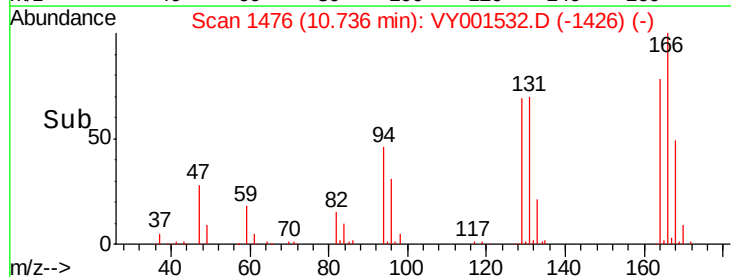
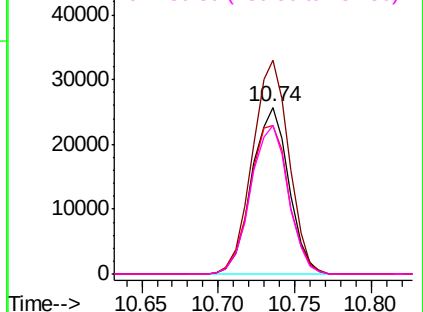


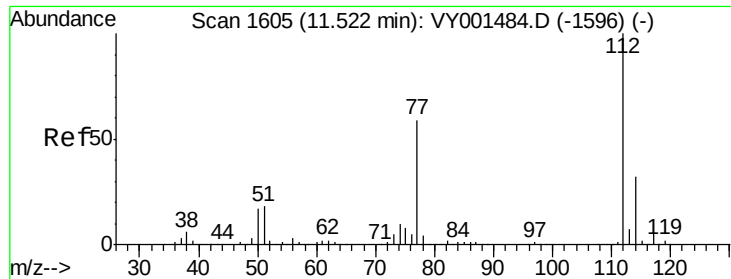
#64
Tetrachloroethene
Concen: 19.384 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion:164 Resp: 43123
Ion Ratio Lower Upper
164 100
166 127.9 100.8 151.2
129 88.7 77.8 116.6
131 89.1 72.0 108.0



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

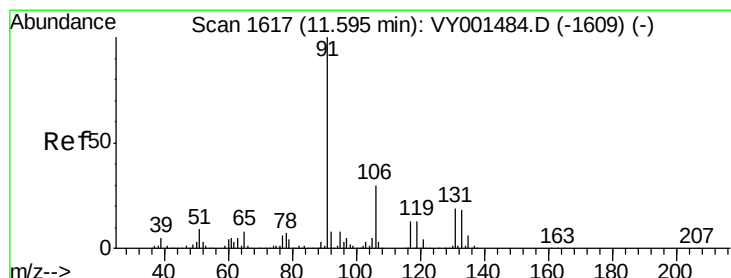
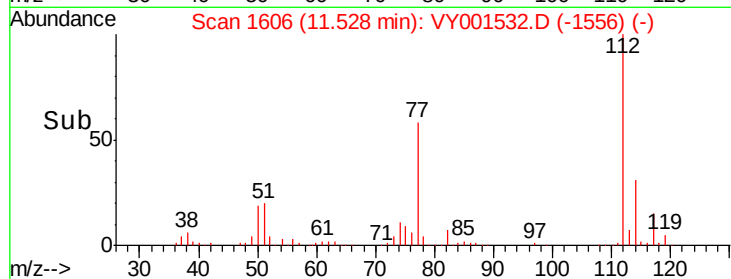
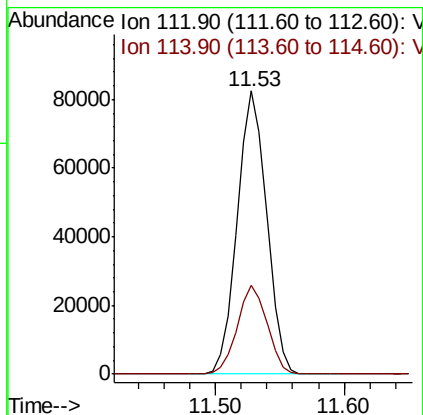
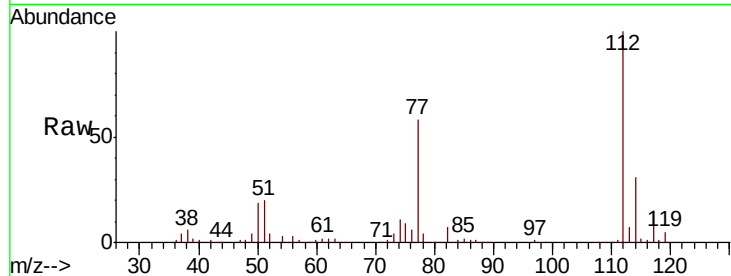




#65
Chlorobenzene
Concen: 19.568 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

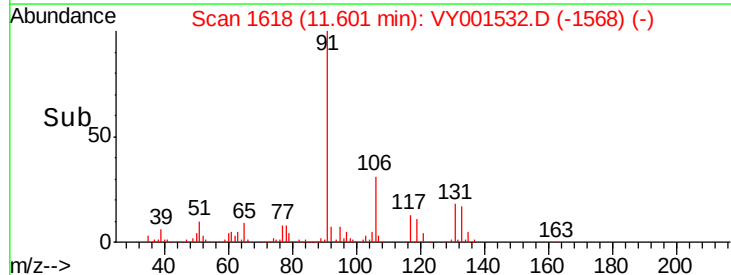
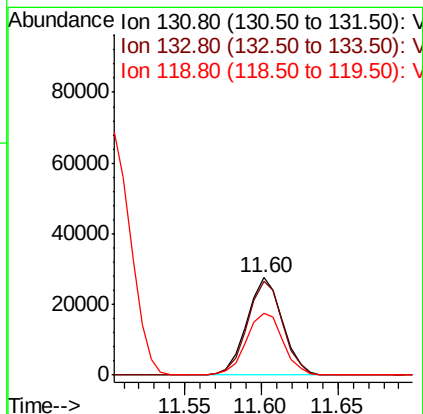
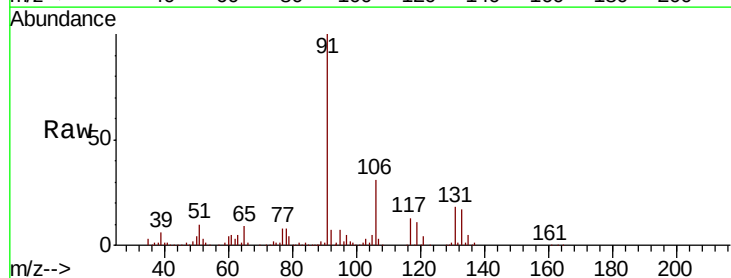
Instrument :
MSVOA_Y
ClientSampleId :

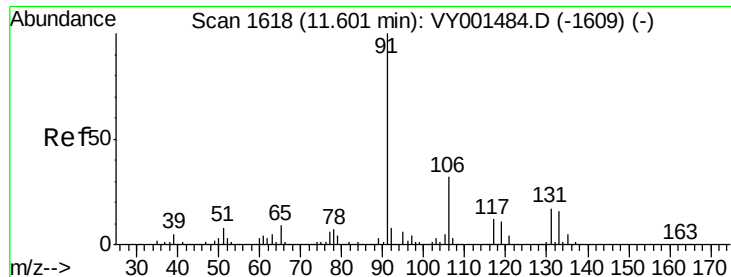
Tot Ion:112 Resp: 130337
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.133 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion:131 Resp: 44603
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.8
119 66.0 33.7 101.0

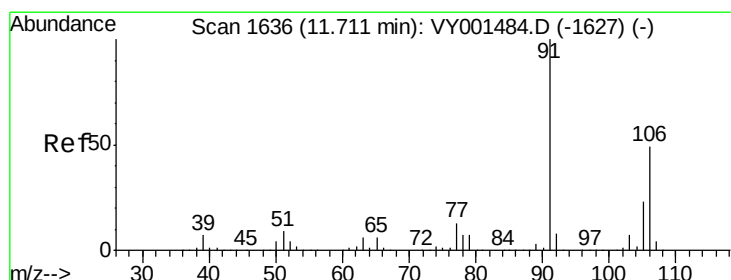
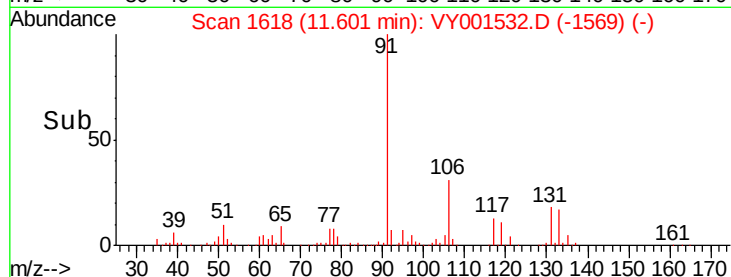
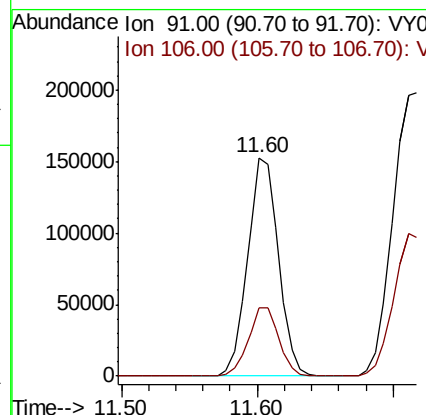
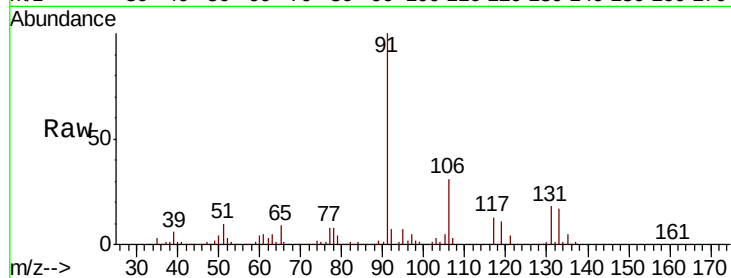




#67
Ethyl Benzene
Concen: 19.599 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

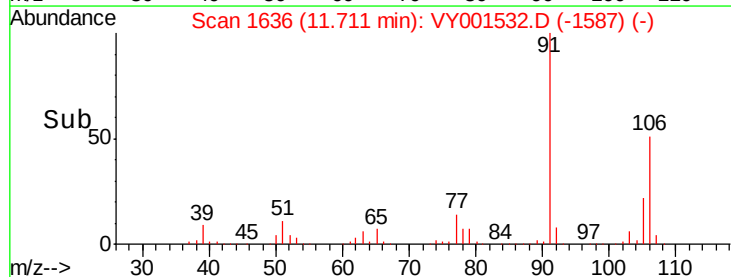
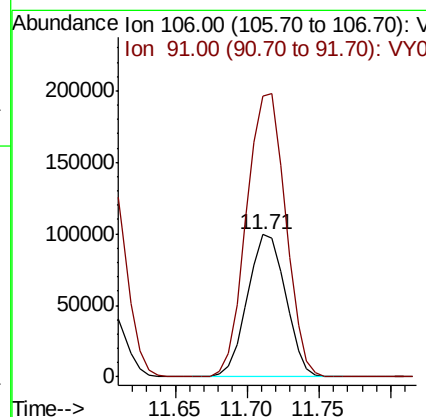
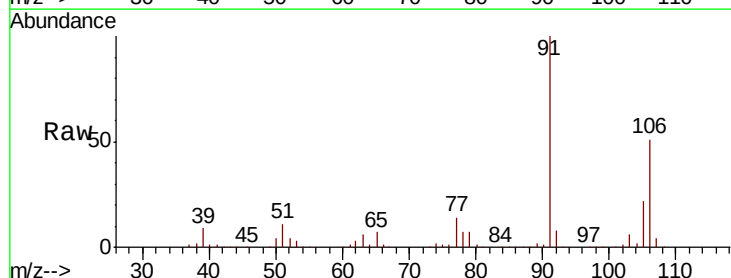
Instrument :
MSVOA_Y
ClientSampled :

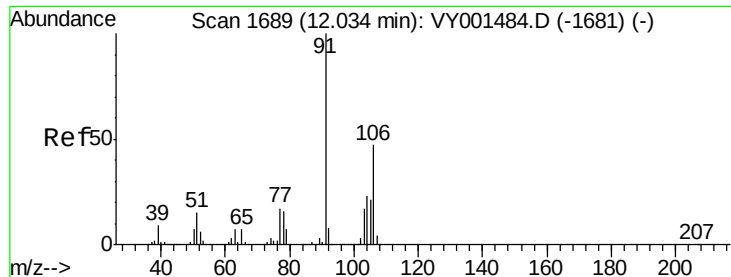
Tot Ion: 91 Resp: 241373
Ion Ratio Lower Upper
91 100
106 31.5 25.3 37.9



#68
m/p-Xylenes
Concen: 39.511 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 106 Resp: 182668
Ion Ratio Lower Upper
106 100
91 204.0 163.6 245.4

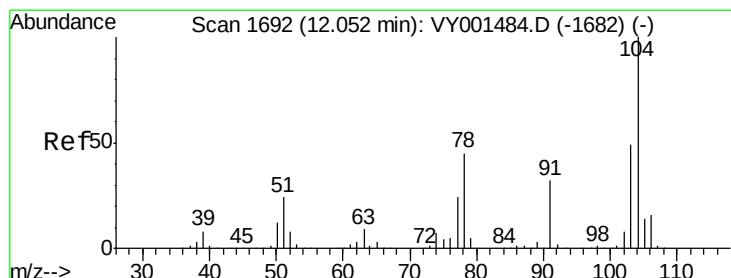
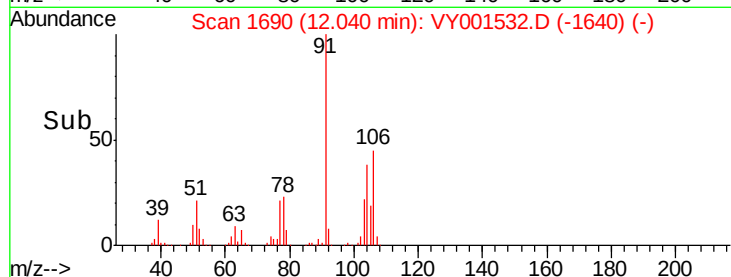
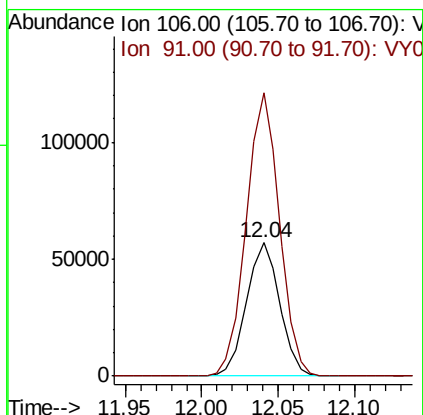
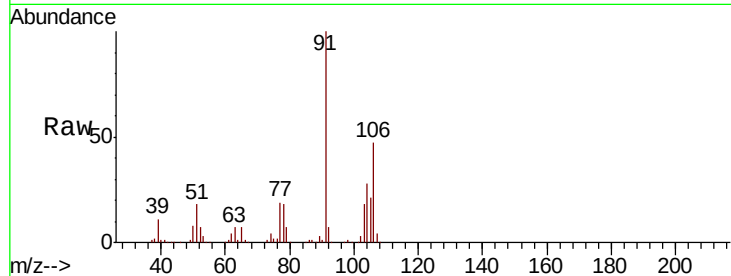




#69
o-Xylene
Concen: 19.761 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

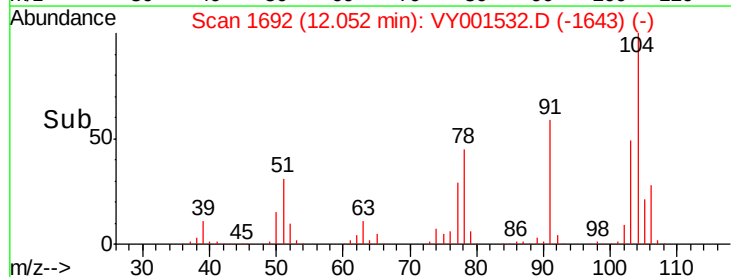
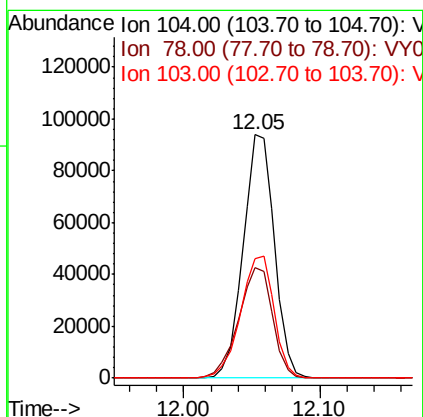
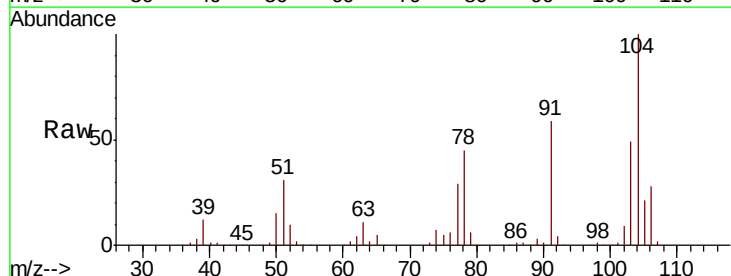
Instrument :
MSVOA_Y
ClientSampled :

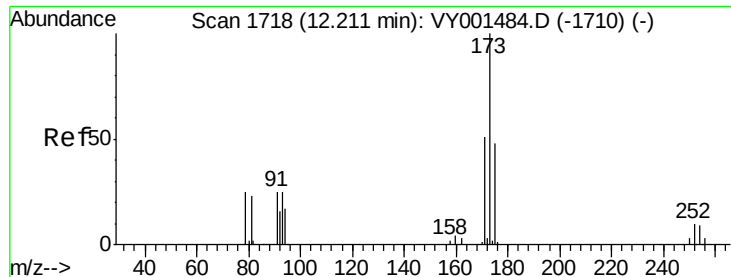
Tot Ion:106 Resp: 86140
Ion Ratio Lower Upper
106 100
91 212.3 106.0 318.0



#70
Styrene
Concen: 19.950 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion:104 Resp: 150387
Ion Ratio Lower Upper
104 100
78 49.5 40.4 60.6
103 53.9 42.8 64.2





#71

Bromoform

Concen: 19.642 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

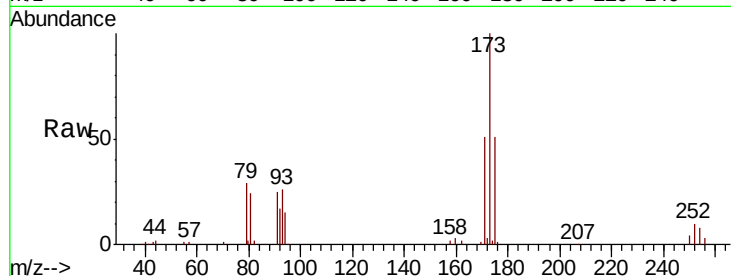
Tot Ion:173 Resp: 25496

Ion Ratio Lower Upper

173 100

175 48.7 24.0 72.0

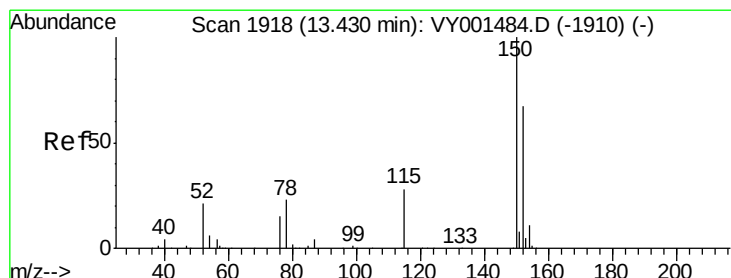
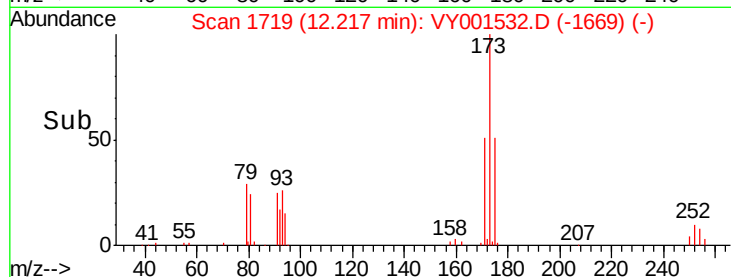
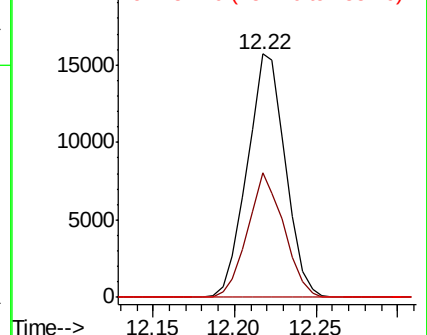
254 0.0 0.1 0.1#



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: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

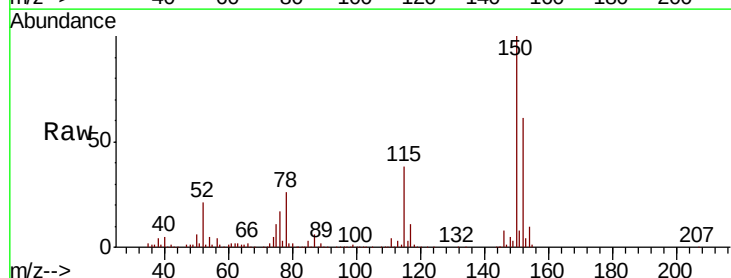
Tgt Ion:152 Resp: 163207

Ion Ratio Lower Upper

152 100

115 61.8 31.4 94.3

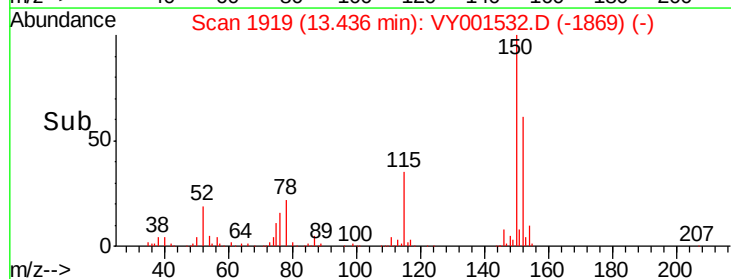
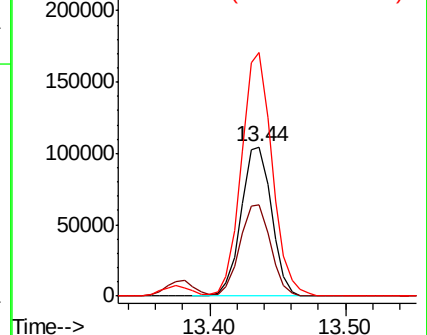
150 165.2 0.0 346.8

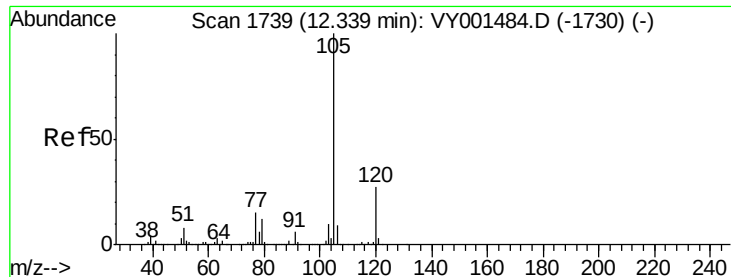


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.701 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

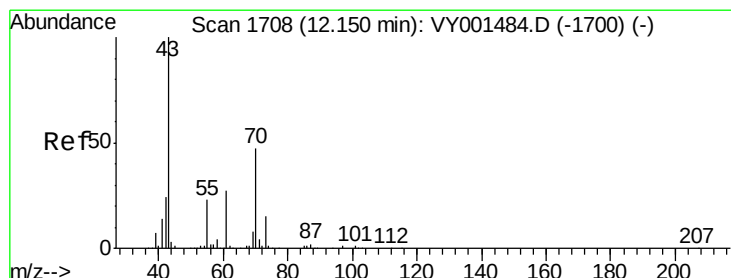
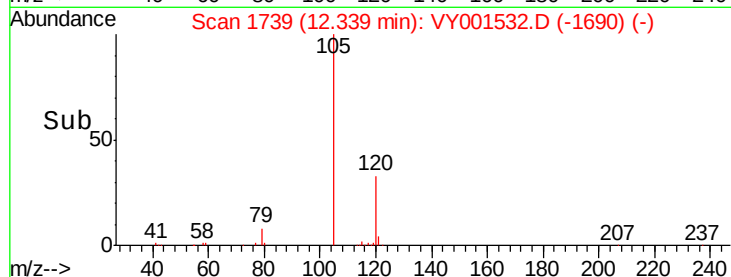
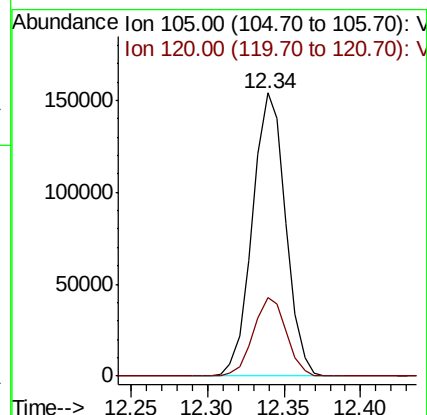
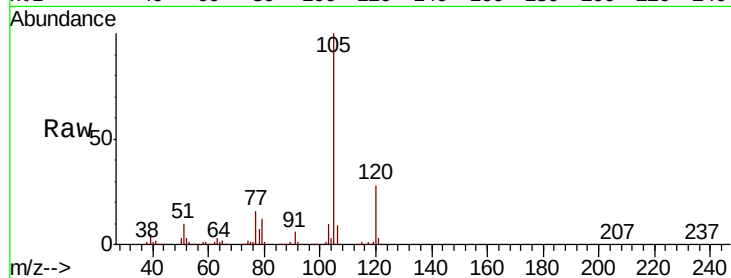
ClientSampleId :

Tot Ion:105 Resp: 232781

Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.9



#74

N-ethyl acetate

Concen: 23.094 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Tgt Ion: 43 Resp: 74699

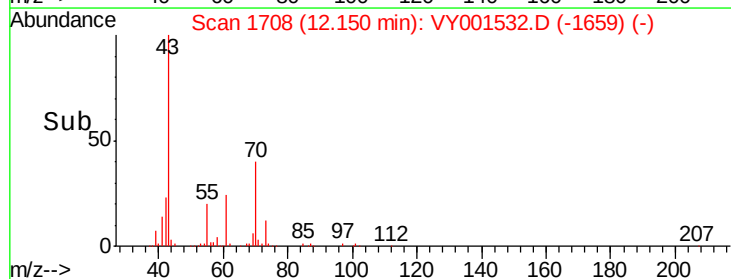
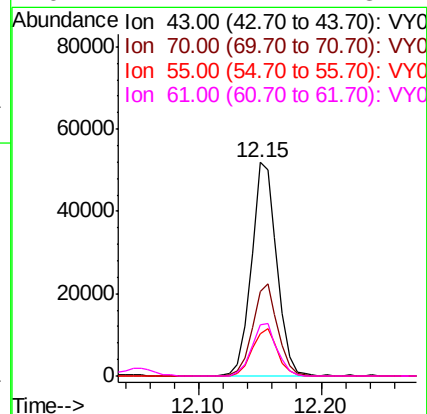
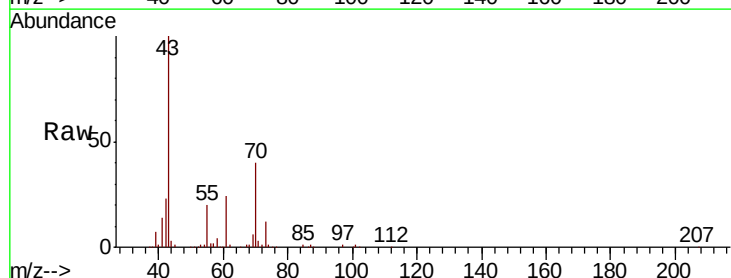
Ion Ratio Lower Upper

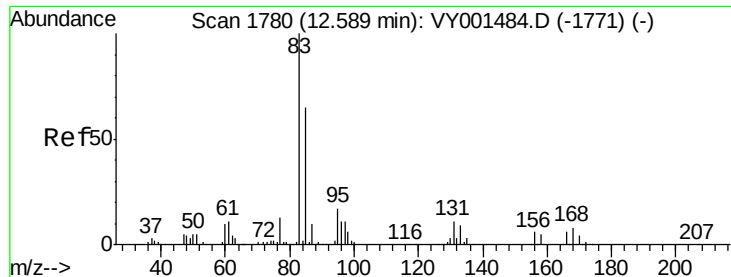
43 100

70 42.2 37.2 55.8

55 21.9 18.8 28.2

61 24.4 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.456 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

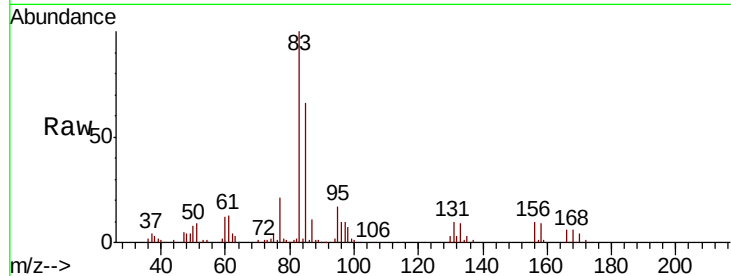
Tot Ion: 83 Resp: 48378

Ion Ratio Lower Upper

83 100

131 9.9 5.4 16.2

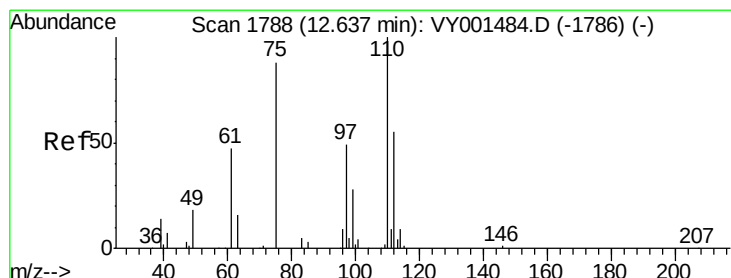
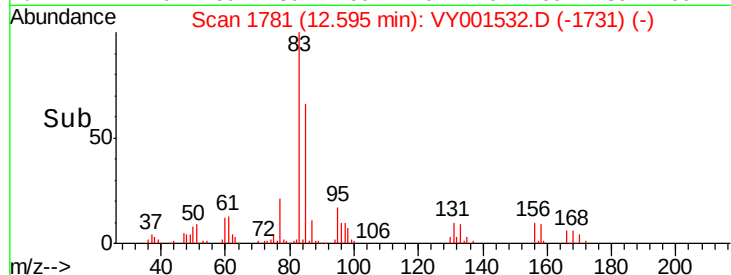
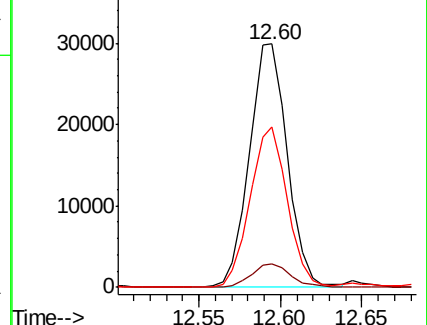
85 64.6 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 36.437 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY001532.D

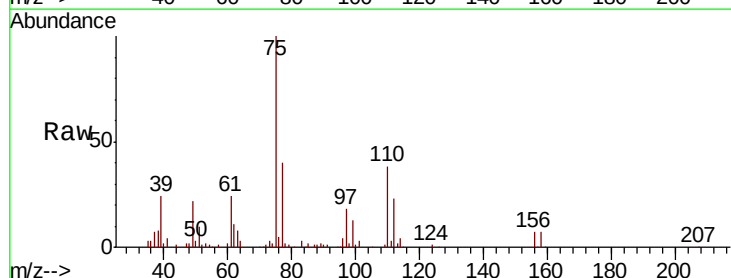
Acq: 06 Feb 2020 15:50

Tgt Ion: 75 Resp: 63951

Ion Ratio Lower Upper

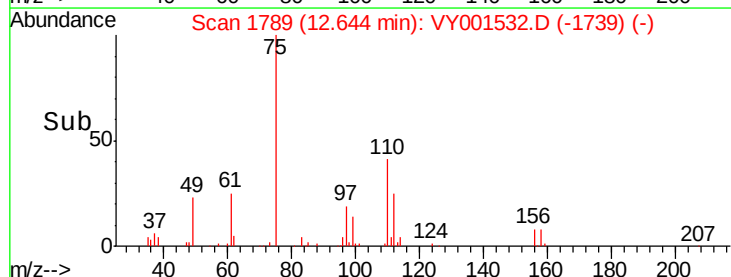
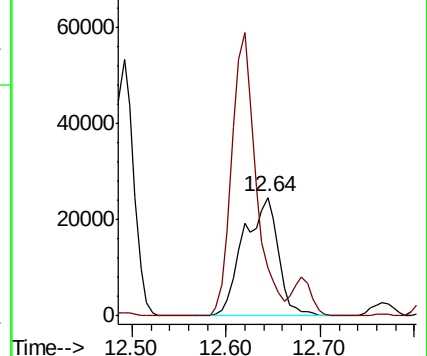
75 100

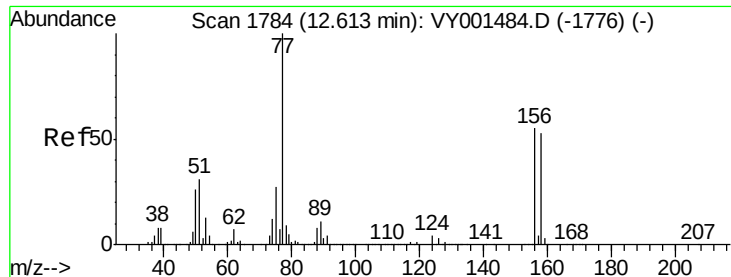
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 18.772 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

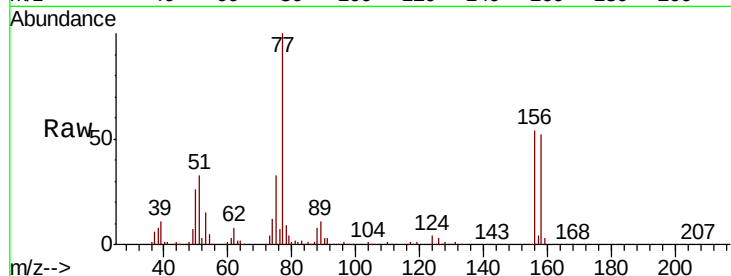
Tot Ion:156 Resp: 50568

Ion Ratio Lower Upper

156 100

77 209.9 99.8 299.3

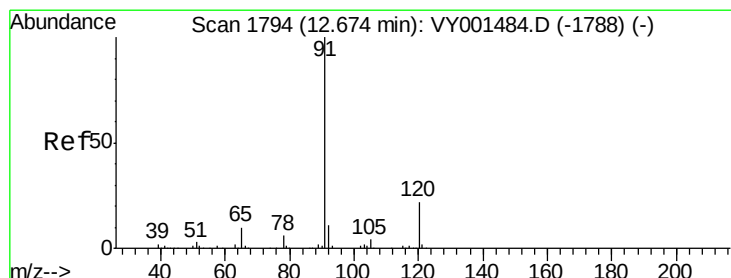
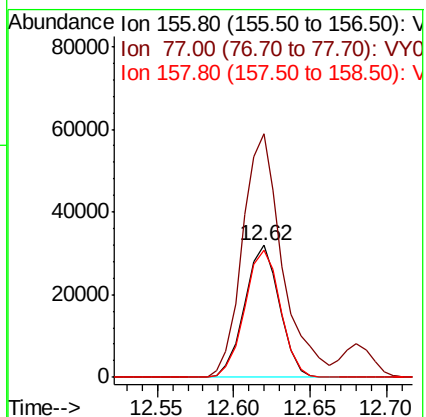
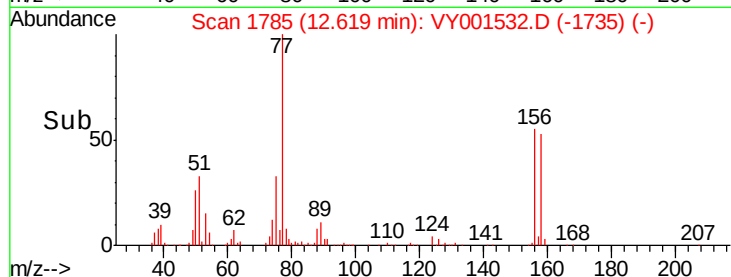
158 98.4 47.5 142.6



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: 19.267 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001532.D

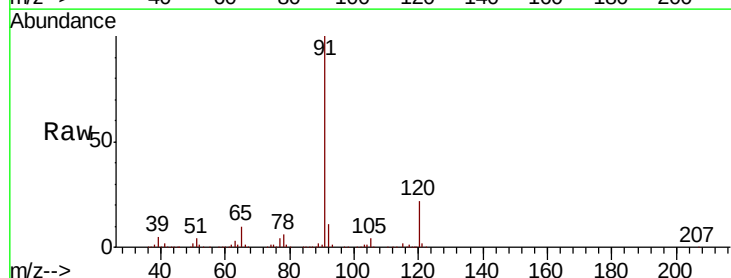
Acq: 06 Feb 2020 15:50

Tgt Ion: 91 Resp: 287118

Ion Ratio Lower Upper

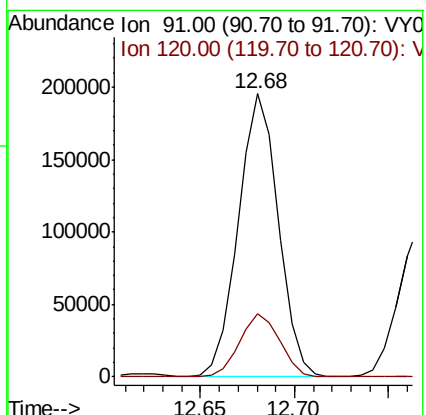
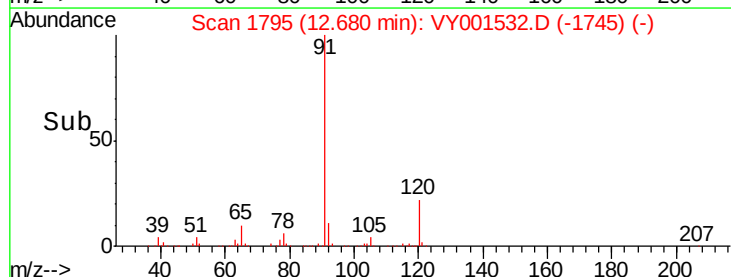
91 100

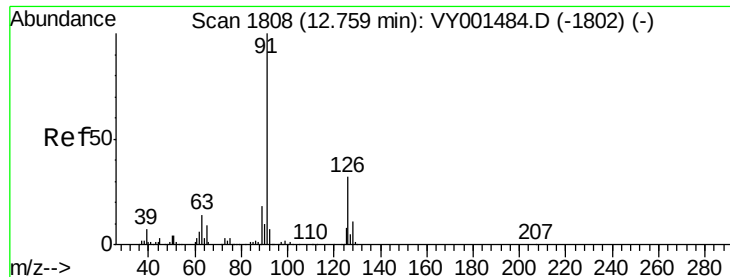
120 22.4 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.796 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

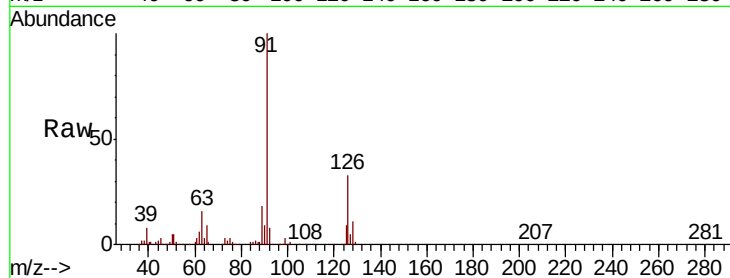
ClientSampleId :

Tot Ion: 91 Resp: 159654

Ion Ratio Lower Upper

91 100

126 33.2 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY001484.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001484.D (-1802) (-)

200000

150000

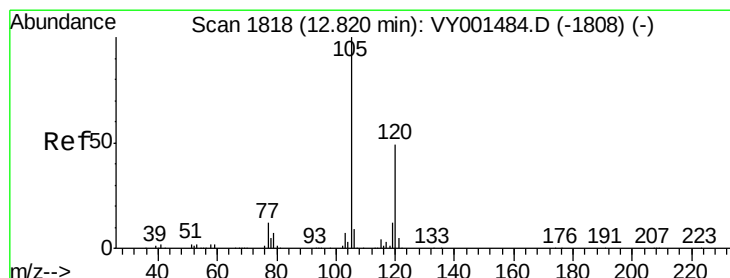
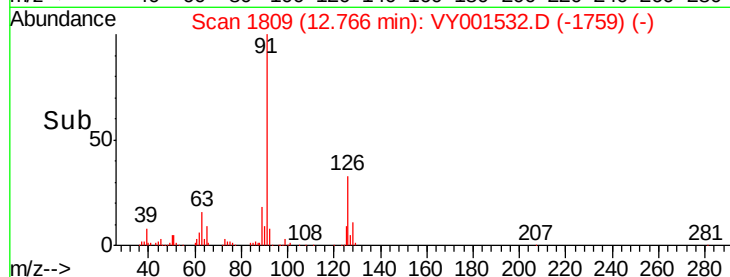
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.832 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001532.D

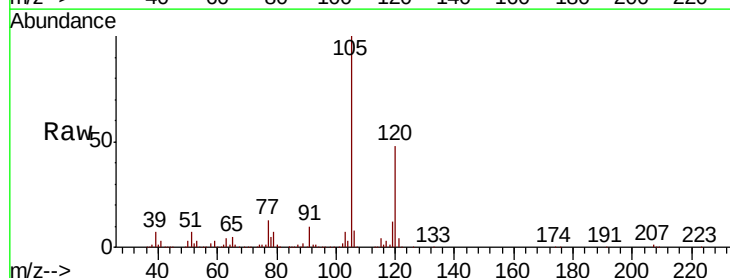
Acq: 06 Feb 2020 15:50

Tgt Ion: 105 Resp: 197417

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001484.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY001484.D (-1808) (-)

150000

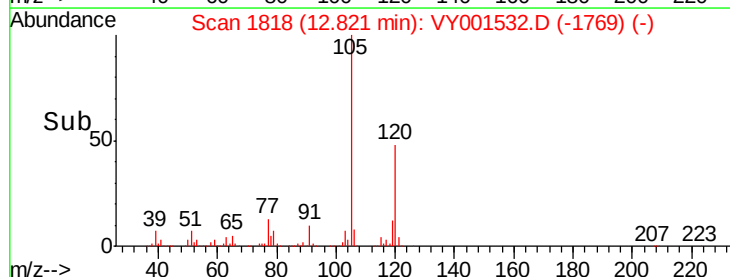
100000

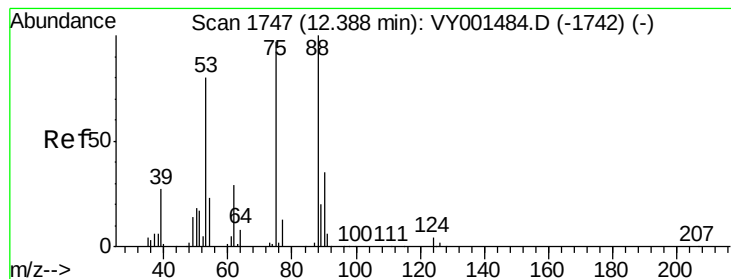
50000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.051 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

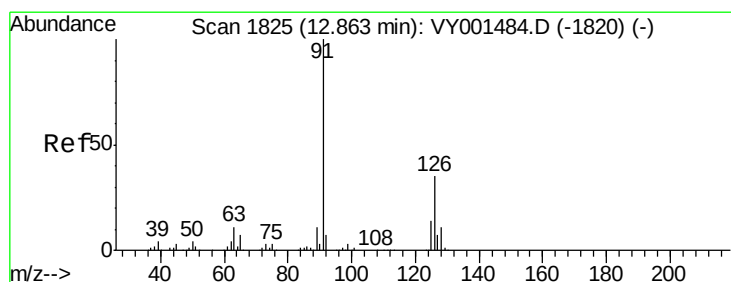
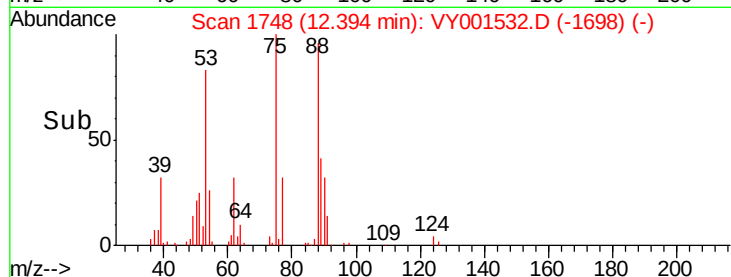
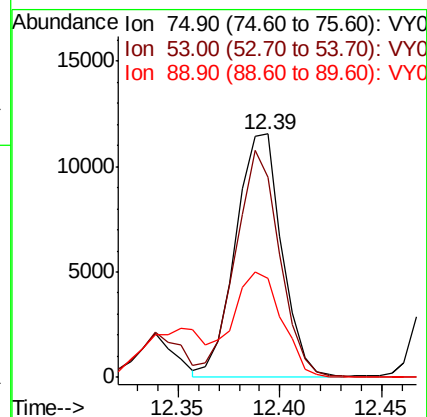
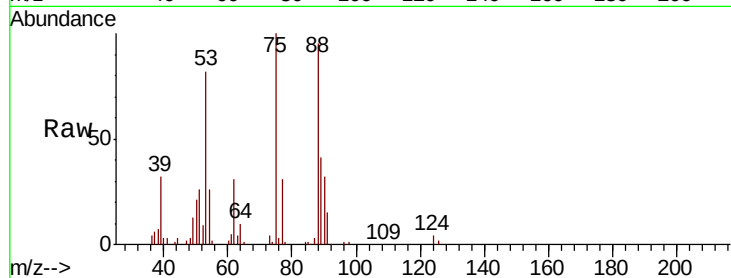
Tot Ion: 75 Resp: 18188

Ion Ratio Lower Upper

75 100

53 89.4 67.7 101.5

89 46.6 34.6 52.0



#82

4-Chlorotoluene

Concen: 18.798 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001532.D

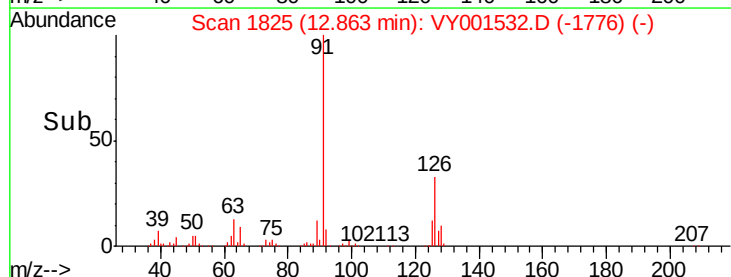
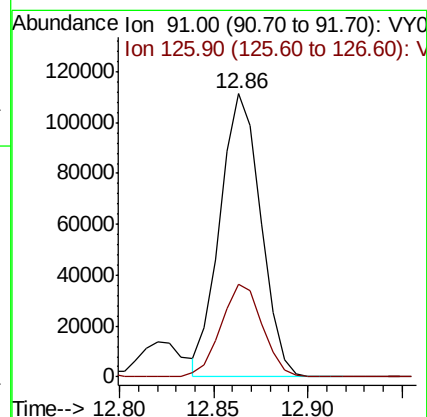
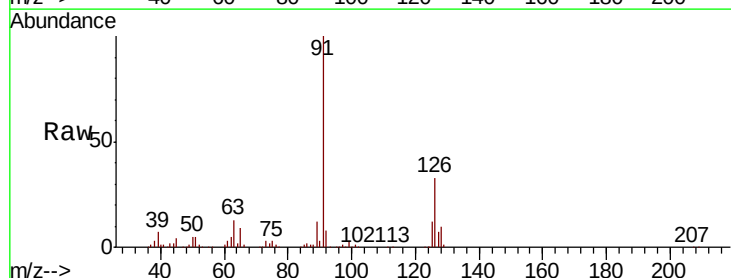
Acq: 06 Feb 2020 15:50

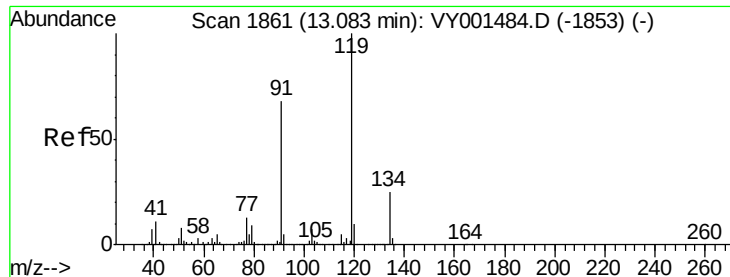
Tgt Ion: 91 Resp: 167415

Ion Ratio Lower Upper

91 100

126 33.3 16.5 49.5

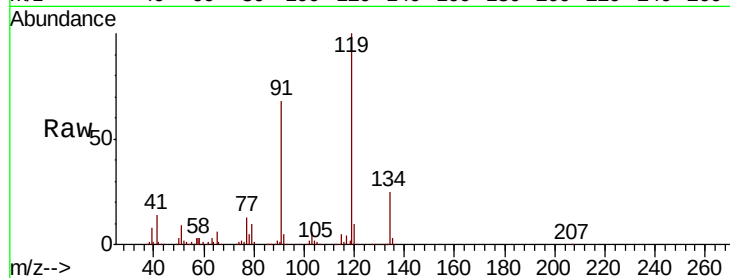




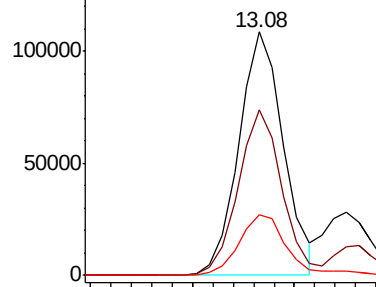
#83
 tert-Butylbenzene
 Concen: 18.671 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampled :

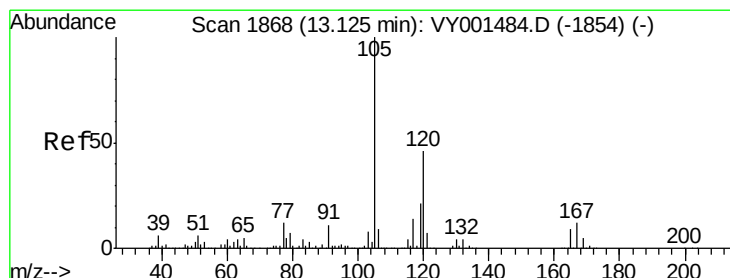
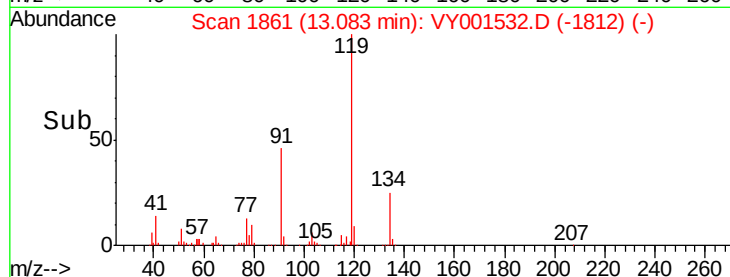
Tot Ion:119 Resp: 165440
 Ion Ratio Lower Upper
 119 100
 91 67.0 33.1 99.3
 134 27.0 13.0 39.0



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

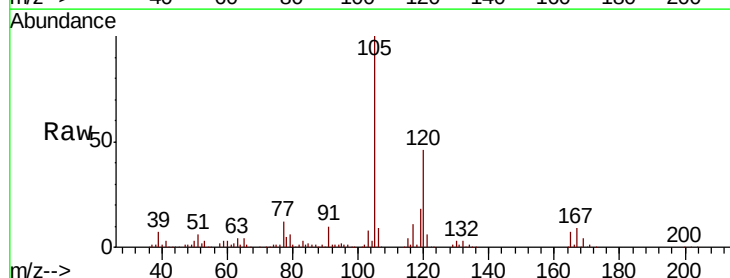


Time--> 13.00 13.05 13.10

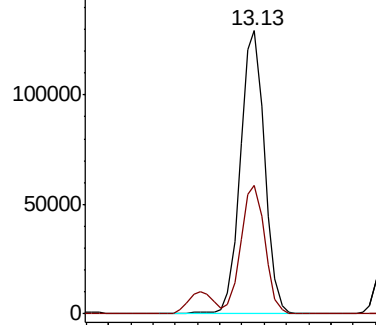


#84
 1,2,4-Trimethylbenzene
 Concen: 18.912 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

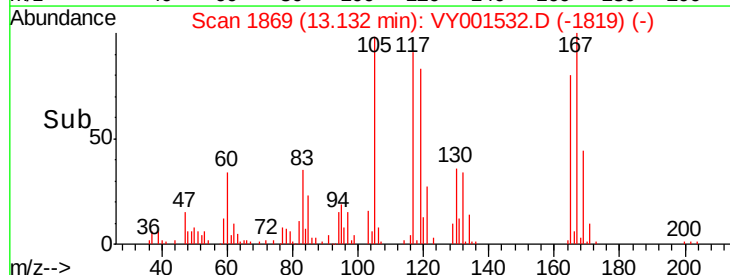
Tgt Ion:105 Resp: 196218
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.4 67.0

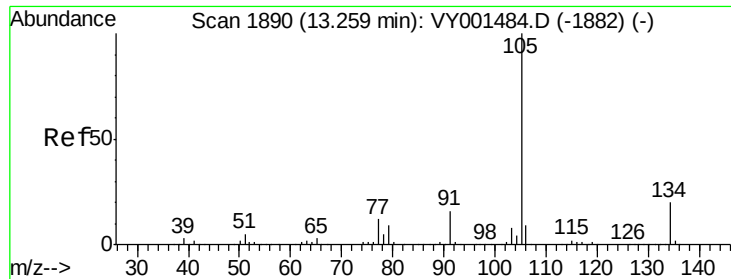


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



Time--> 13.00 13.10 13.20





#85

sec-Butylbenzene

Concen: 19.446 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

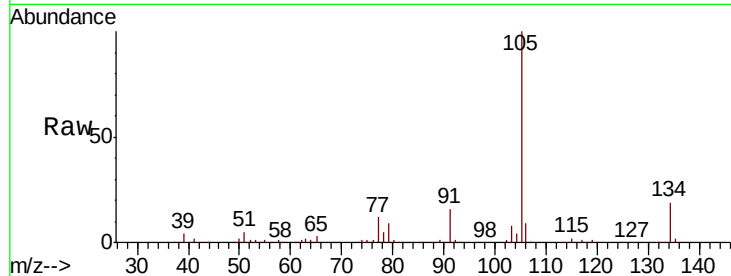
ClientSampleId :

Tot Ion:105 Resp: 242262

Ion Ratio Lower Upper

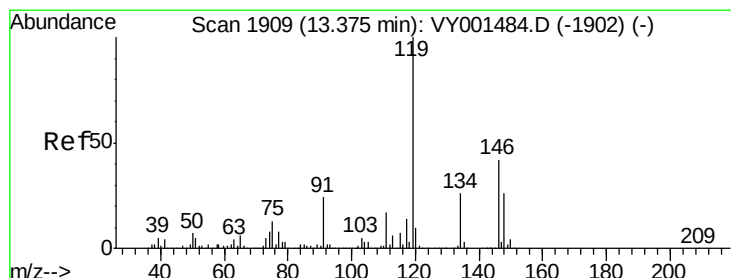
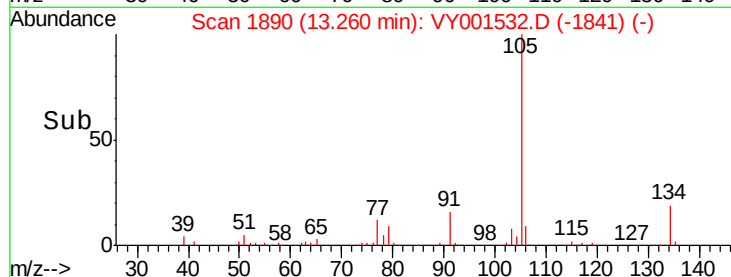
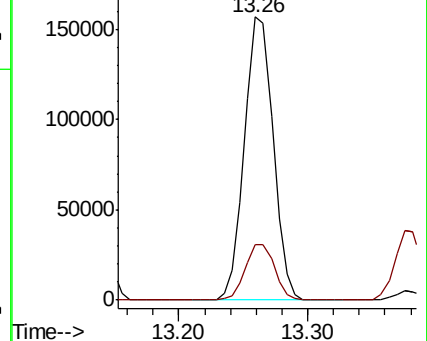
105 100

134 19.9 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.559 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

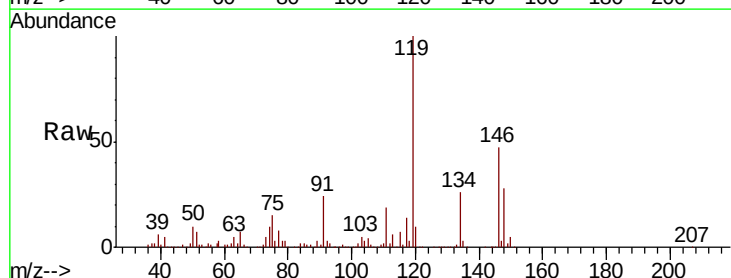
Tgt Ion:119 Resp: 214731

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

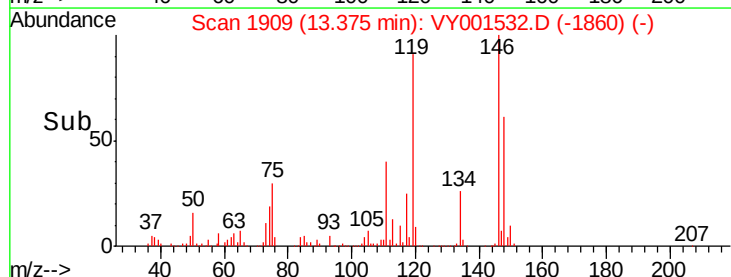
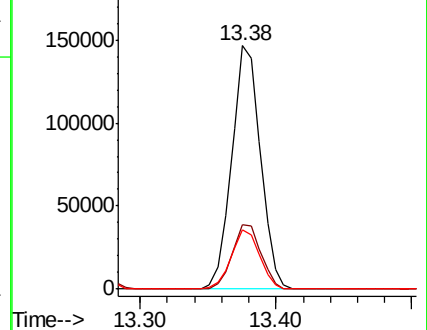
91 24.3 12.2 36.6

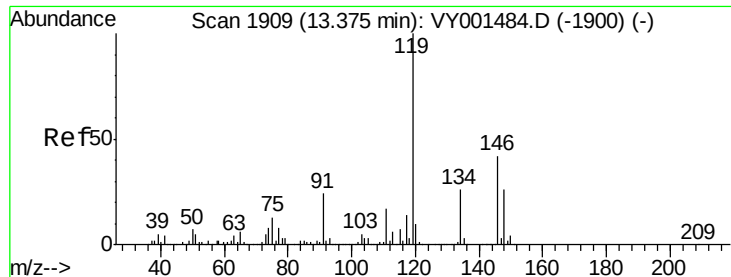


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

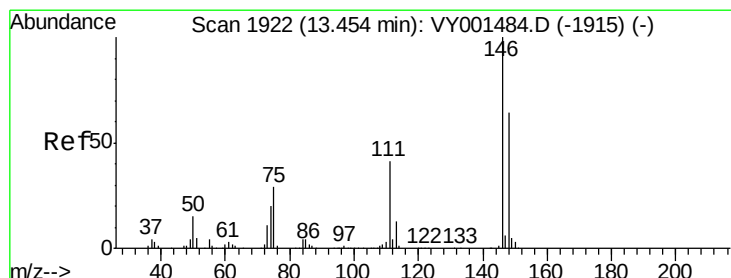
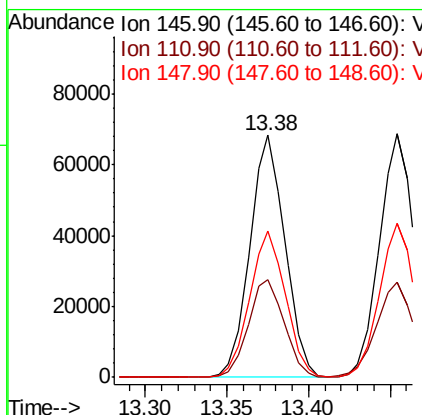
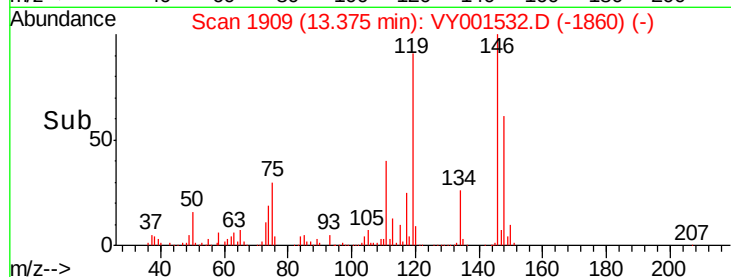
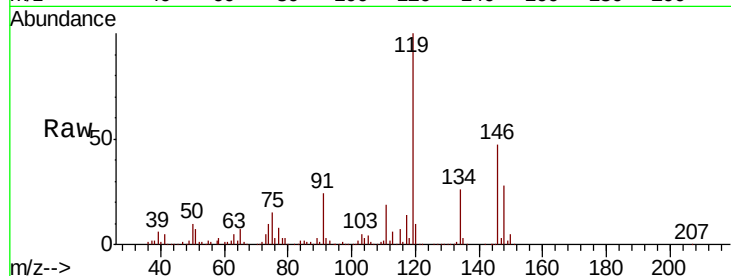




#87
 1,3-Dichlorobenzene
 Concen: 19.766 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

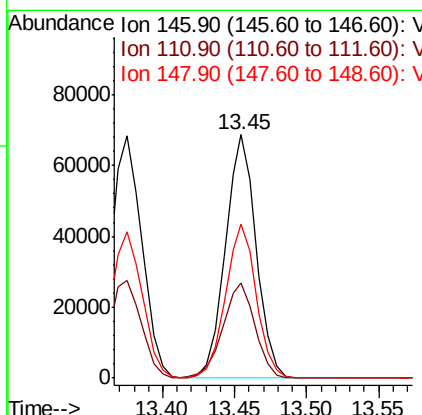
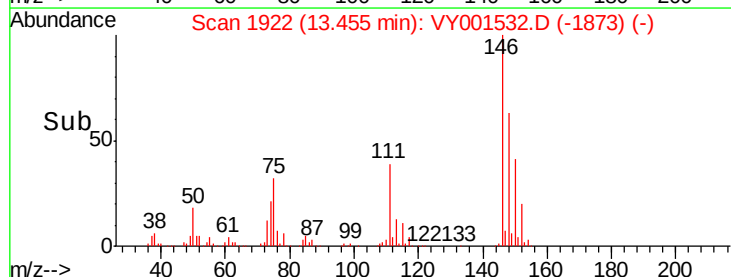
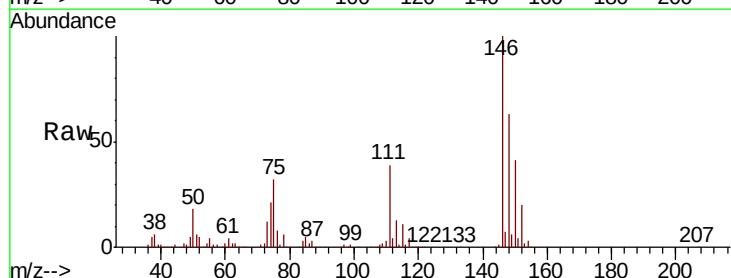
Instrument :
 MSVOA_Y
 ClientSampleId :

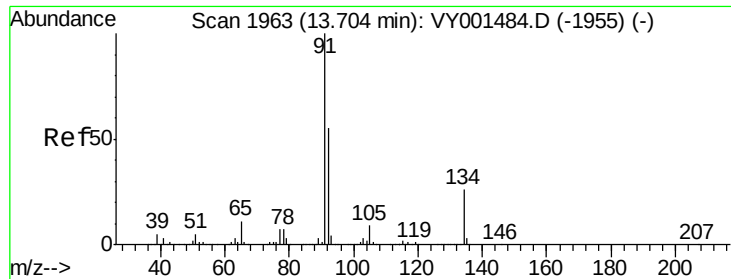
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.3	63.9
148	61.5	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 19.795 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	63.7	32.1	96.5





#89

n-Butylbenzene

Concen: 19.756 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

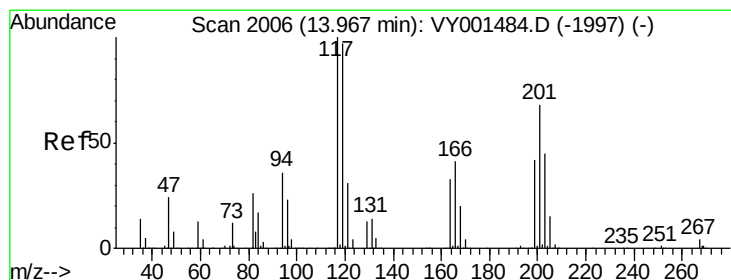
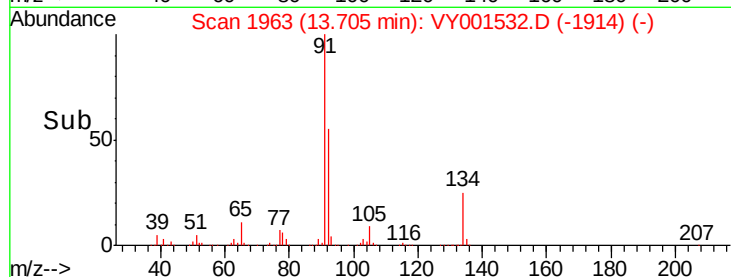
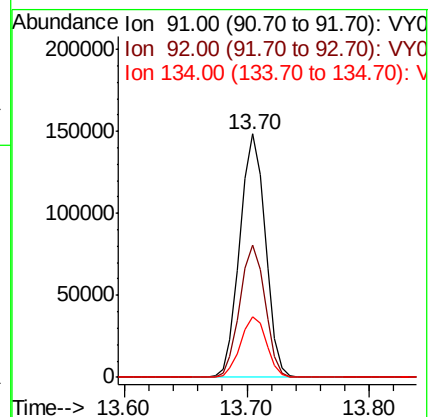
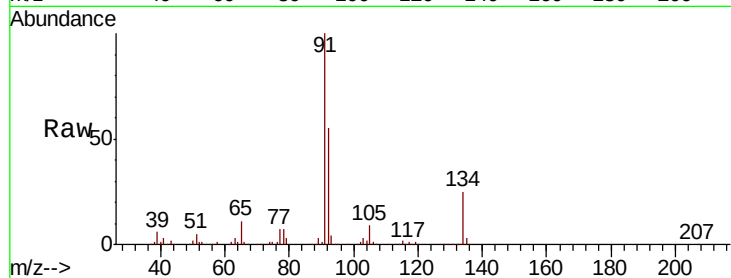
Tot Ion: 91 Resp: 213997

Ion Ratio Lower Upper

91 100

92 53.9 27.3 81.9

134 25.4 13.0 38.9



#90

Hexachloroethane

Concen: 18.588 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. 0.00 min

Lab File: VY001532.D

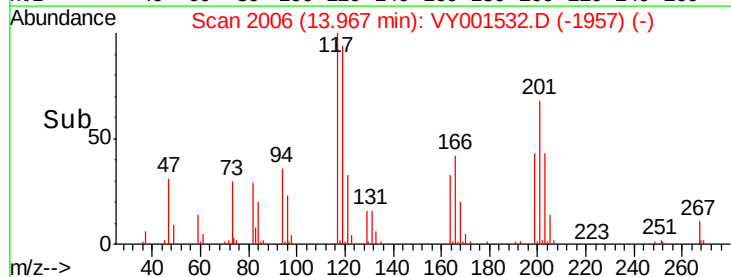
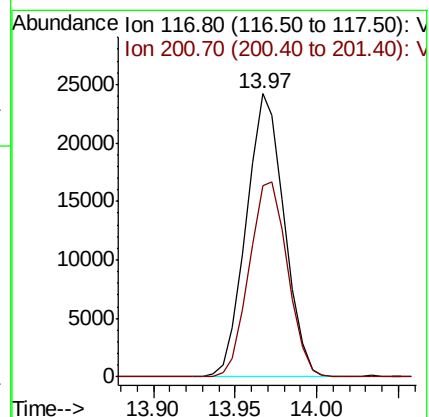
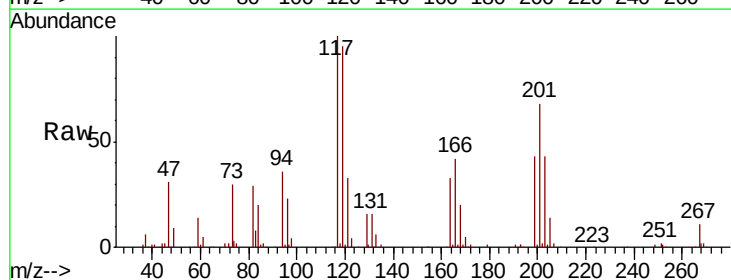
Acq: 06 Feb 2020 15:50

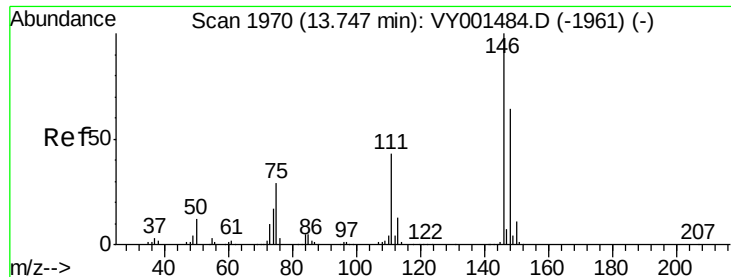
Tgt Ion: 117 Resp: 39168

Ion Ratio Lower Upper

117 100

201 69.9 34.1 102.3

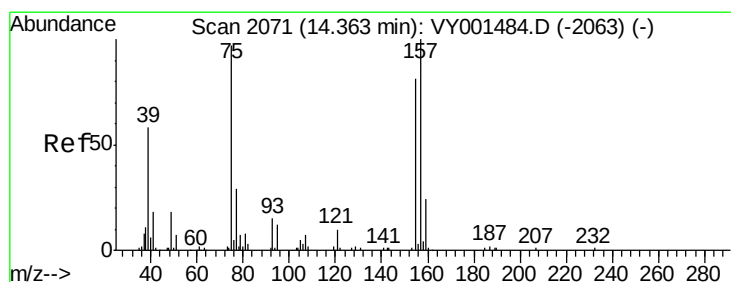
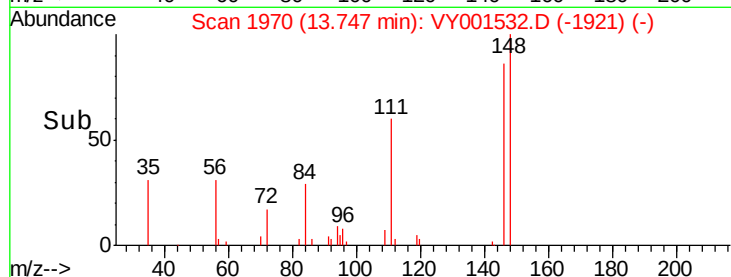
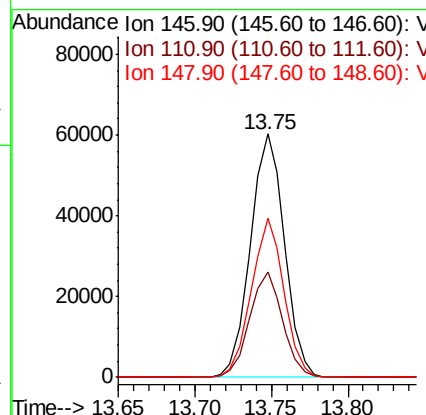
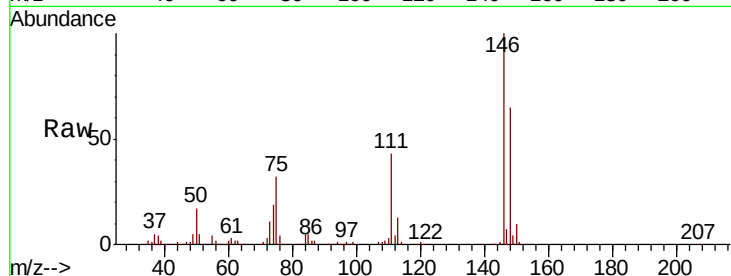




#91
 1,2-Dichlorobenzene
 Concen: 19.868 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

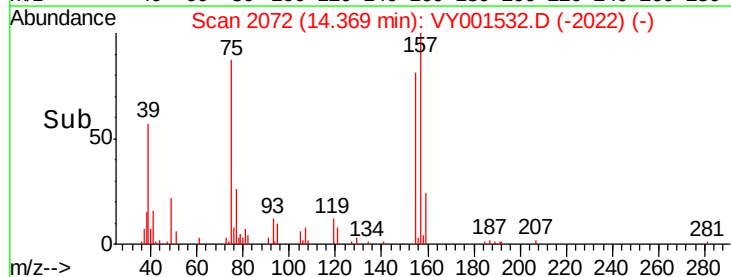
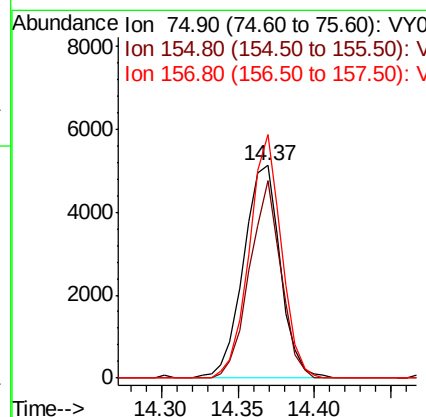
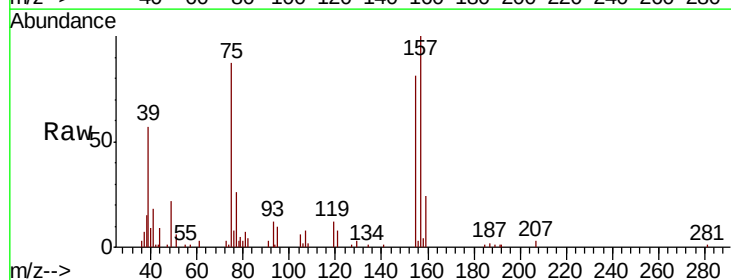
Instrument :
 MSVOA_Y
 ClientSampleId :

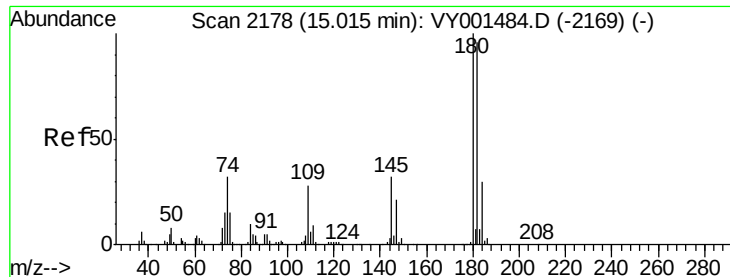
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.9	65.8
148	62.5	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.675 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	40.7	122.1
157	99.4	52.3	157.1

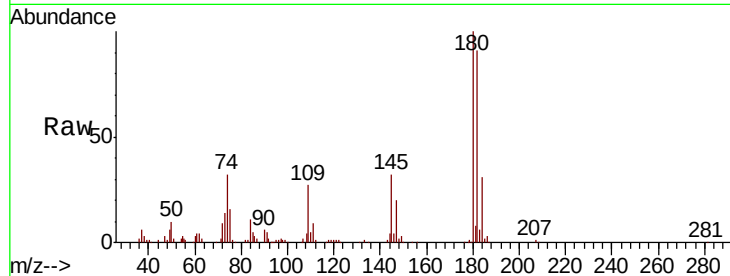




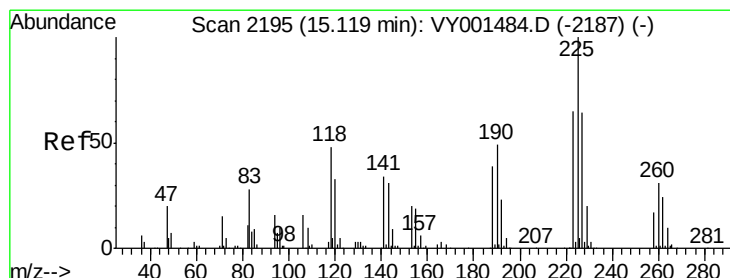
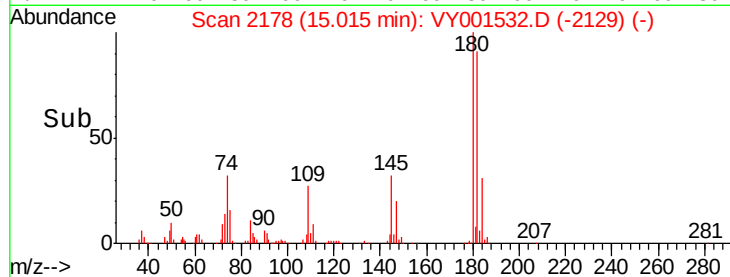
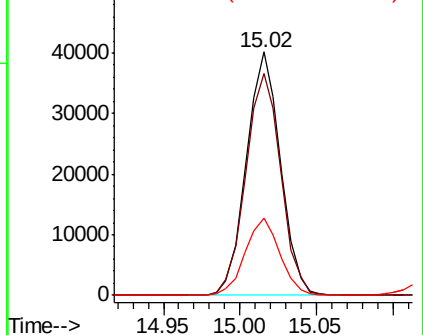
#93
 1,2,4-Trichlorobenzene
 Concen: 19.711 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:180 Resp: 62142
 Ion Ratio Lower Upper
 180 100
 182 93.5 46.9 140.7
 145 32.1 16.8 50.3

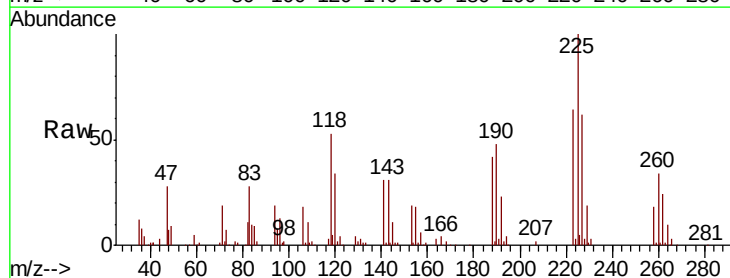


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

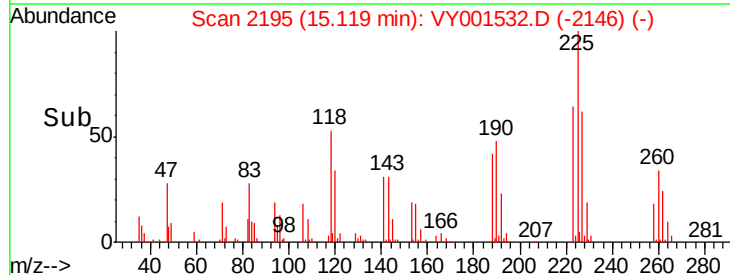
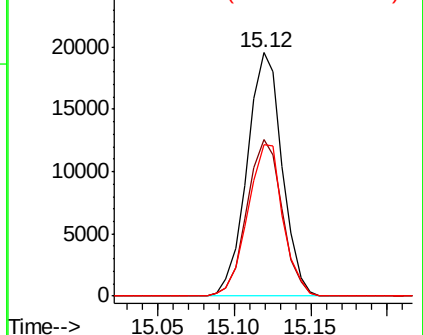


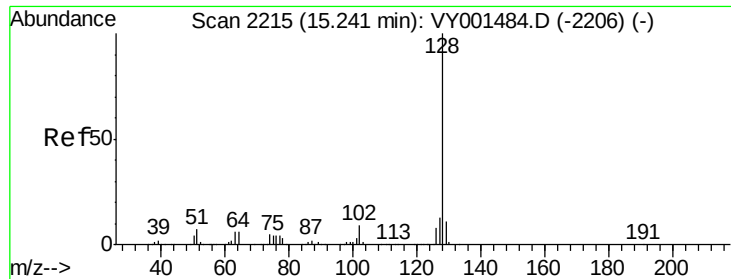
#94
 Hexachlorobutadiene
 Concen: 19.510 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion:225 Resp: 31217
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.9 95.7
 227 62.5 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

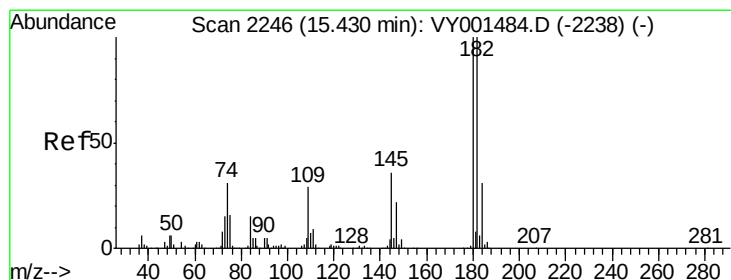
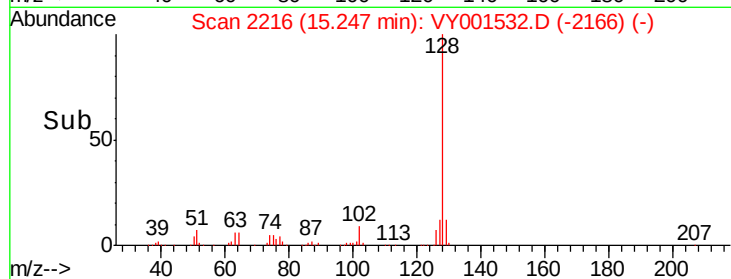
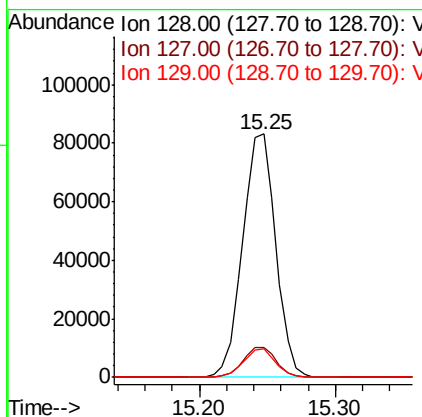
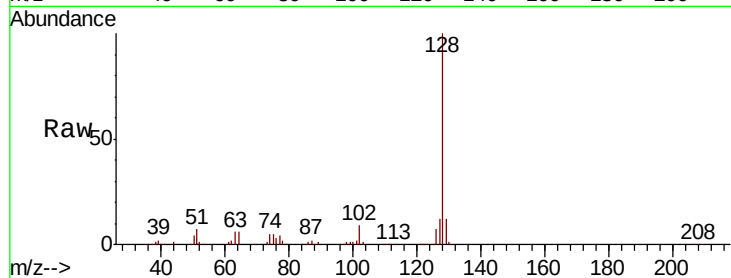




#95
Naphthalene
Concen: 19.063 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:128 Resp: 141249
Ion Ratio Lower Upper
128 100
127 12.5 10.1 15.1
129 11.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.748 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion:180 Resp: 54959
Ion Ratio Lower Upper
180 100
182 94.0 48.0 144.2
145 34.0 17.8 53.5

