

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
 Data File : VY001620.D
 Acq On : 12 Feb 2020 19:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 13 07:46:50 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	193844	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	346307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	314937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	149743	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	102731	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
35) Dibromofluoromethane	7.75	113	93071	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
50) Toluene-d8	10.19	98	384248	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.49	95	142117	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	78805	41.531	ug/l	99
3) Chloromethane	2.13	50	104153	52.518	ug/l	97
4) Vinyl Chloride	2.26	62	107234	52.075	ug/l	98
5) Bromomethane	2.66	94	71601	55.288	ug/l	93
6) Chloroethane	2.81	64	69342	55.864	ug/l	93
7) Trichlorofluoromethane	3.15	101	143368	42.061	ug/l	98
8) Diethyl Ether	3.55	74	58514	50.871	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.93	101	91205	44.471	ug/l	97
10) Methyl Iodide	4.12	142	110944	42.455	ug/l	98
11) Tert butyl alcohol	4.99	59	55576	253.725	ug/l	99
12) 1,1-Dichloroethene	3.90	96	92214	45.247	ug/l	92
13) Acrolein	3.76	56	45853	248.114	ug/l	100
14) Allyl chloride	4.51	41	165141	52.969	ug/l	97
15) Acrylonitrile	5.21	53	155450	294.798	ug/l	99
16) Acetone	3.97	43	152990	270.990	ug/l	96
17) Carbon Disulfide	4.22	76	285345	43.981	ug/l	100
18) Methyl Acetate	4.51	43	70793	58.761	ug/l	94
19) Methyl tert-butyl Ether	5.26	73	268197	49.484	ug/l	99
20) Methylene Chloride	4.75	84	106806	48.140	ug/l	92
21) trans-1,2-Dichloroethene	5.25	96	104051	45.926	ug/l	96
22) Diisopropyl ether	6.15	45	350163	56.690	ug/l	92
23) Vinyl Acetate	6.10	43	1164871	296.246	ug/l	95
24) 1,1-Dichloroethane	6.05	63	182746	49.187	ug/l	97
25) 2-Butanone	7.02	43	219742	300.019	ug/l	94
26) 2,2-Dichloropropane	7.02	77	152819	42.978	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	118115	47.731	ug/l	97
28) Bromochloromethane	7.36	49	78095	61.702	ug/l	88
29) Tetrahydrofuran	7.38	42	140551	320.166	ug/l	92
30) Chloroform	7.54	83	180349	47.922	ug/l	99
31) Cyclohexane	7.82	56	179206	47.154	ug/l	91
32) 1,1,1-Trichloroethane	7.73	97	152339	44.647	ug/l	97
36) 1,1-Dichloropropene	7.94	75	145321	45.871	ug/l	99
37) Ethyl Acetate	7.11	43	93113	60.714	ug/l	94
38) Carbon Tetrachloride	7.93	117	131143	42.786	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	188330	45.148	ug/l	99
40) Benzene	8.19	78	436160	48.268	ug/l	99
41) Methacrylonitrile	7.37	41	126546	178.035	ug/l #	20
42) 1,2-Dichloroethane	8.27	62	122812	48.783	ug/l	99
43) Isopropyl Acetate	8.30	43	178984	58.943	ug/l	94
44) Trichloroethene	8.96	130	107412	44.099	ug/l	98
45) 1,2-Dichloropropane	9.24	63	111687	51.185	ug/l	98
46) Dibromomethane	9.33	93	58957	48.117	ug/l	100
47) Bromodichloromethane	9.52	83	141904	47.533	ug/l	100
48) Methyl methacrylate	9.31	41	80947	58.735	ug/l	94
49) 1,4-Dioxane	9.32	88	17170	1061.081	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	471110	315.038	ug/l	94
52) Toluene	10.26	92	273013	47.616	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	157588	48.464	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	179036	47.960	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	88410	50.291	ug/l	99
56) Ethyl methacrylate	10.52	69	135902	54.352	ug/l	93
57) 1,3-Dichloropropane	10.80	76	154340	49.805	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	264662	287.727	ug/l	94
59) 2-Hexanone	10.85	43	345938	318.165	ug/l	96
60) Dibromochloromethane	11.00	129	97410	47.008	ug/l	100
61) 1,2-Dibromoethane	11.10	107	84035	48.533	ug/l	99
64) Tetrachloroethene	10.73	164	90863	43.993	ug/l	98
65) Chlorobenzene	11.53	112	285343	46.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	97570	45.082	ug/l	100
67) Ethyl Benzene	11.60	91	527376	46.125	ug/l	98
68) m/p-Xylenes	11.71	106	393468	91.670	ug/l	100
69) o-Xylene	12.03	106	188482	46.574	ug/l	98
70) Styrene	12.05	104	332289	47.480	ug/l	99
71) Bromoform	12.22	173	57713	47.890	ug/l #	99
73) Isopropylbenzene	12.34	105	506840	44.379	ug/l	100
74) N-amyl acetate	12.15	43	173855	58.582	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	113898	52.492	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	146666	91.078	ug/l #	100
77) Bromobenzene	12.61	156	112623	45.568	ug/l	94
78) n-propylbenzene	12.68	91	621349	45.446	ug/l	100
79) 2-Chlorotoluene	12.77	91	350048	44.916	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	426198	44.312	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	41037	49.309	ug/l	98
82) 4-Chlorotoluene	12.86	91	369293	45.195	ug/l	100
83) tert-Butylbenzene	13.08	119	357220	43.939	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	429424	45.110	ug/l	100
85) sec-Butylbenzene	13.26	105	520367	45.524	ug/l	99
86) p-Isopropyltoluene	13.38	119	454198	45.091	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	217174	45.850	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	217503	45.836	ug/l	99
89) n-Butylbenzene	13.70	91	460216	46.306	ug/l	99
90) Hexachloroethane	13.97	117	85906	44.434	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	199424	46.460	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	18961	47.335	ug/l	98

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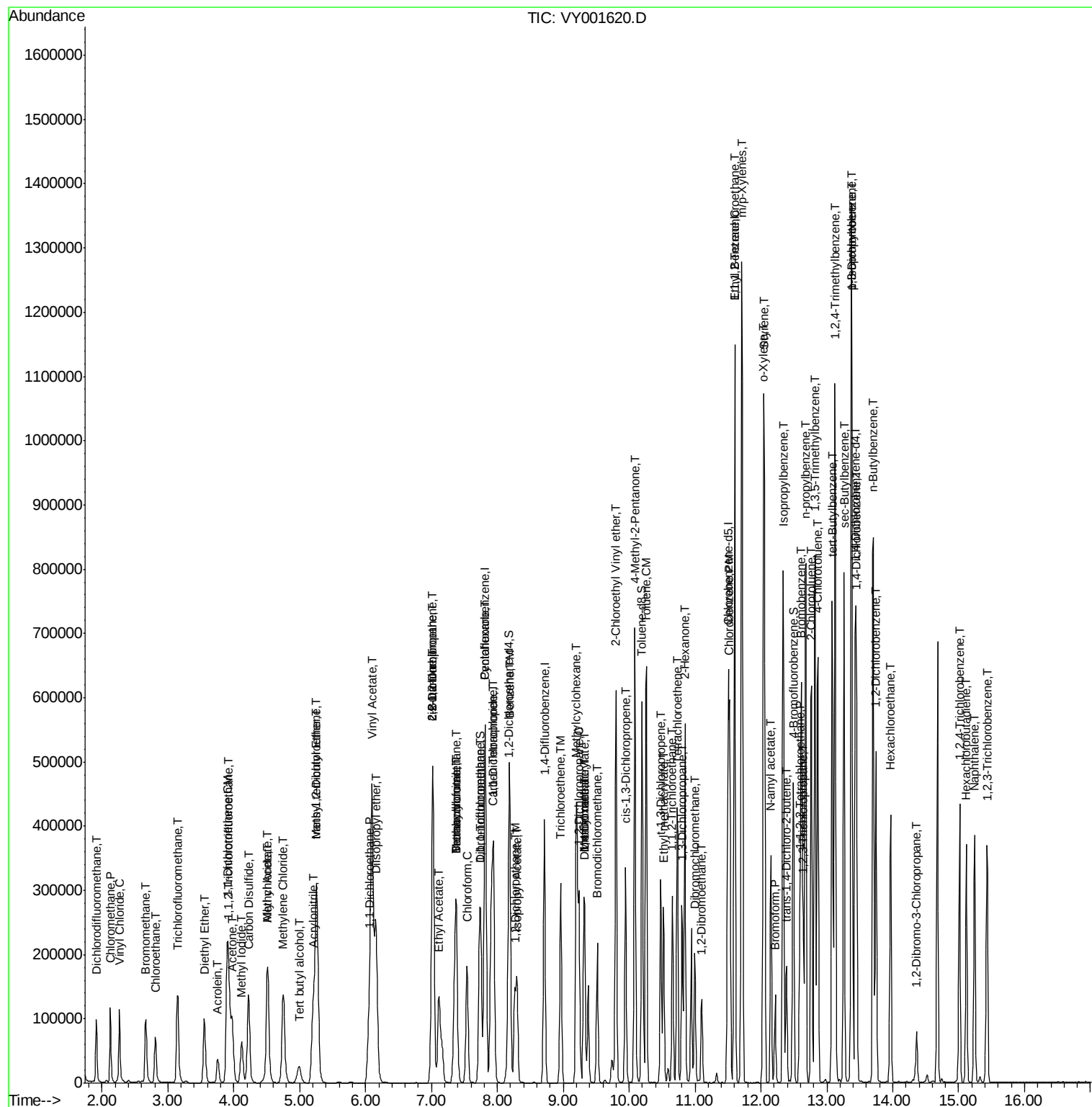
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	129018	44.603	ug/l	99
94) Hexachlorobutadiene	15.12	225	62872	42.826	ug/l	99
95) Naphthalene	15.24	128	306540	45.091	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	114215	44.731	ug/l	97

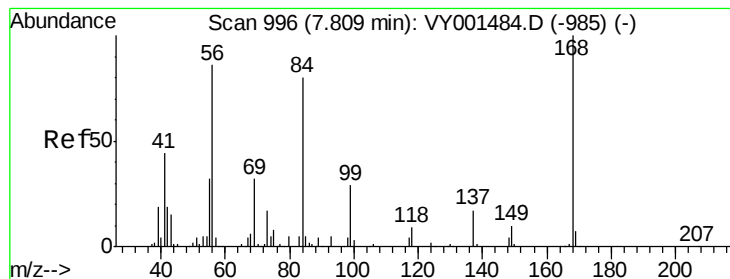
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

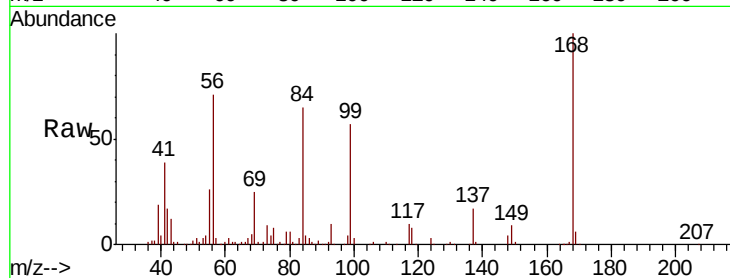
ClientSampled :

Tot Ion:168 Resp: 193844

Ion Ratio Lower Upper

168 100

99 57.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001620.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001620.D (-947) (-)

7.82

80000

60000

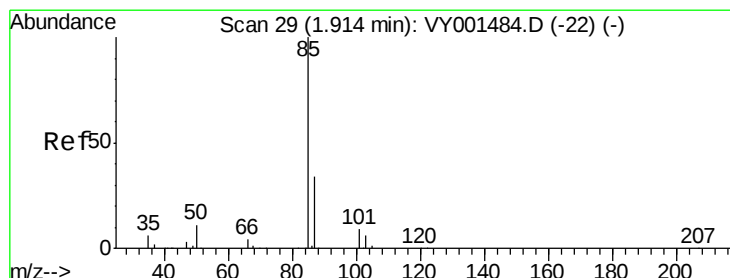
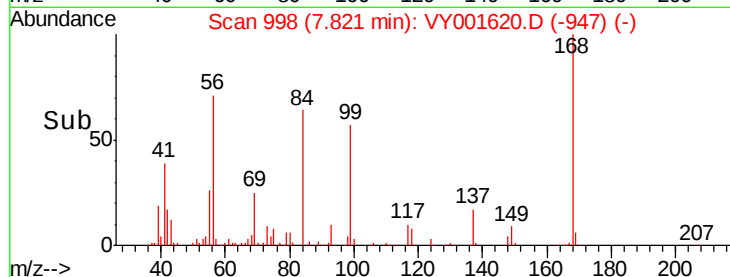
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 41.531 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001620.D

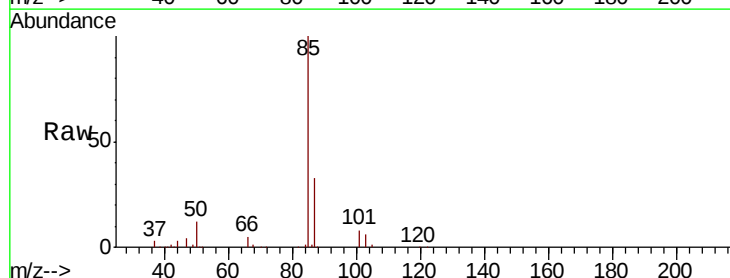
Acq: 12 Feb 2020 19:03

Tgt Ion: 85 Resp: 78805

Ion Ratio Lower Upper

85 100

87 33.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001620.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001620.D (-1) (-)

1.91

60000

50000

40000

30000

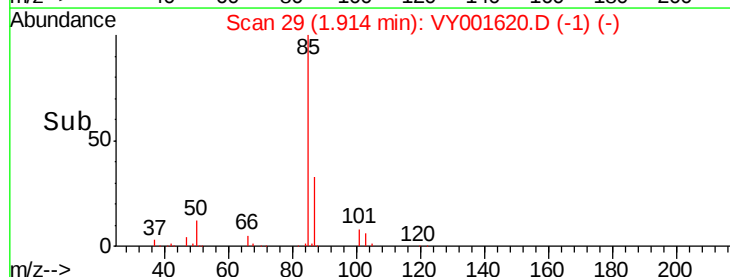
20000

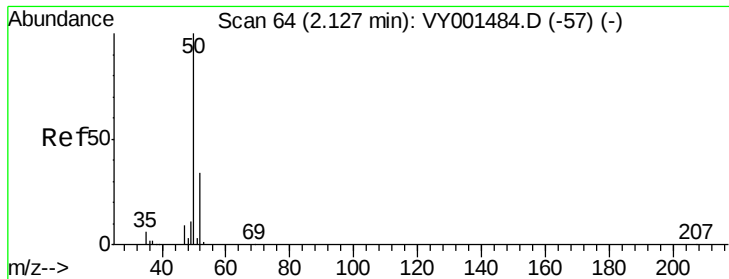
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 52.518 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

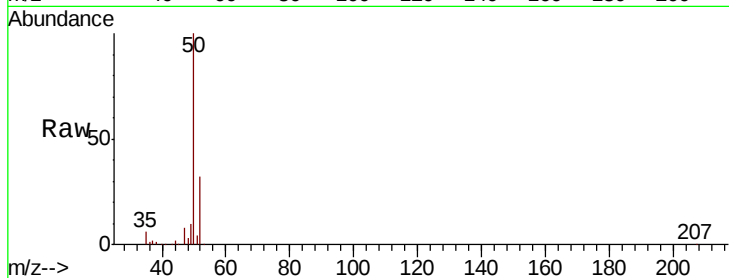
ClientSampleId :

Tot Ion: 50 Resp: 104153

Ion Ratio Lower Upper

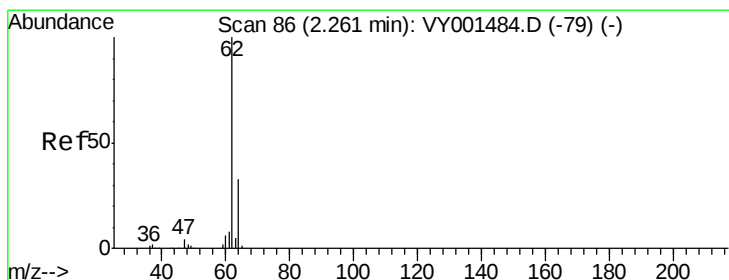
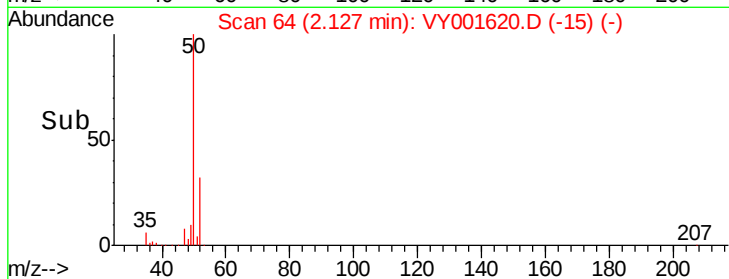
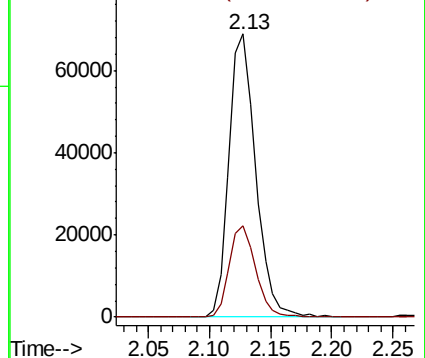
50 100

52 32.3 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: 52.075 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001620.D

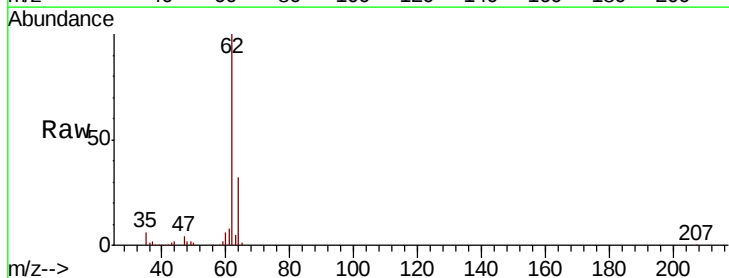
Acq: 12 Feb 2020 19:03

Tgt Ion: 62 Resp: 107234

Ion Ratio Lower Upper

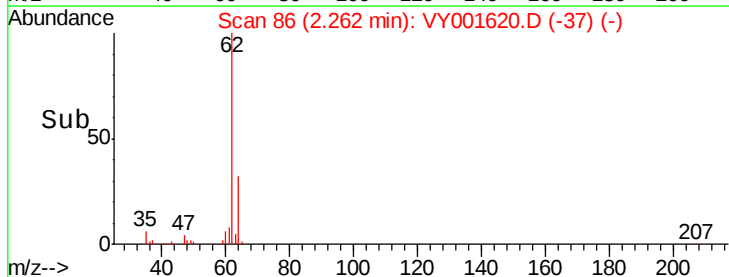
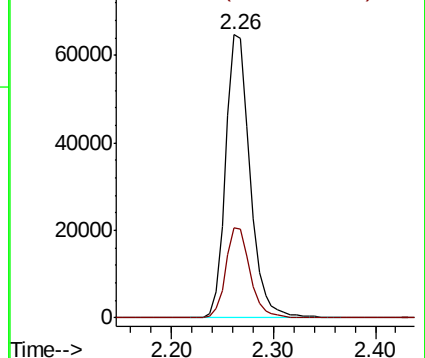
62 100

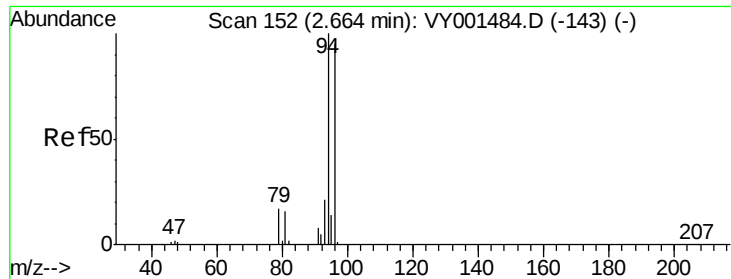
64 32.0 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 55.288 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

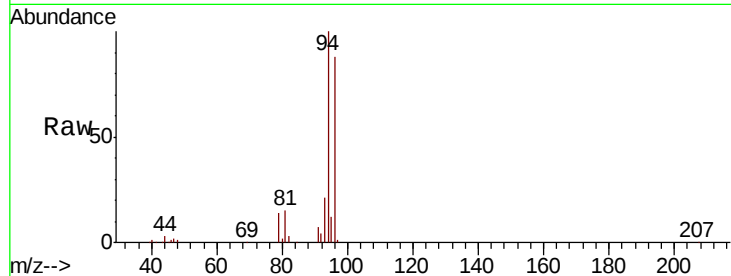
ClientSampleId :

Tot Ion: 94 Resp: 71601

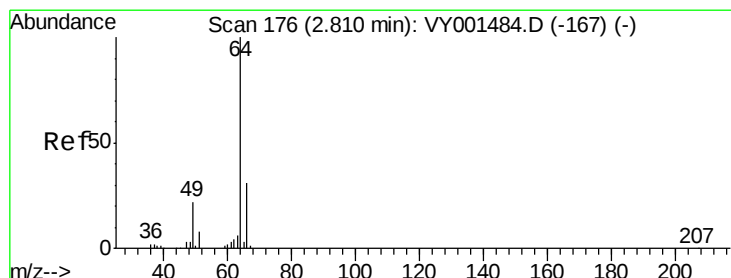
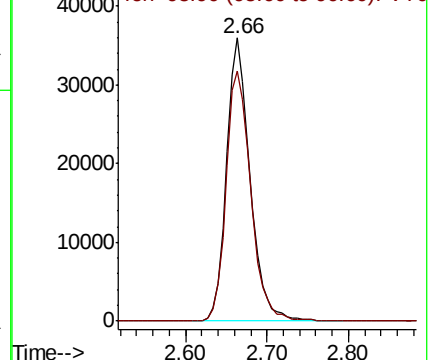
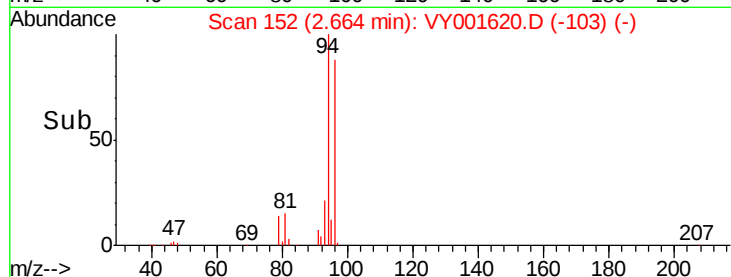
Ion Ratio Lower Upper

94 100

96 88.2 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VY001620.D (-103) (-)



#6

Chloroethane

Concen: 55.864 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001620.D

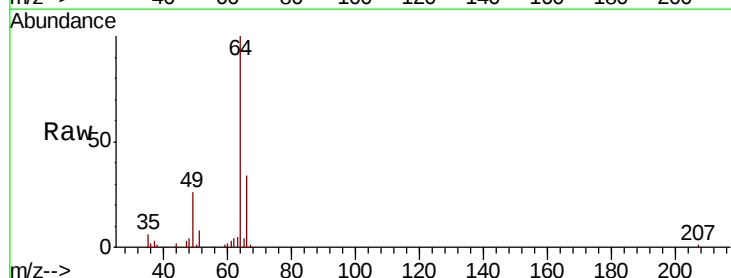
Acq: 12 Feb 2020 19:03

Tgt Ion: 64 Resp: 69342

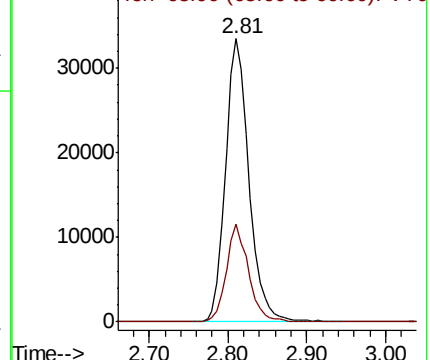
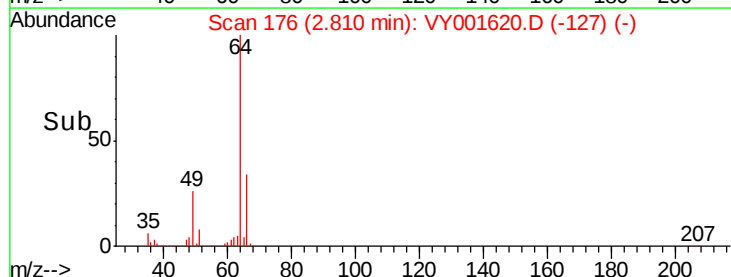
Ion Ratio Lower Upper

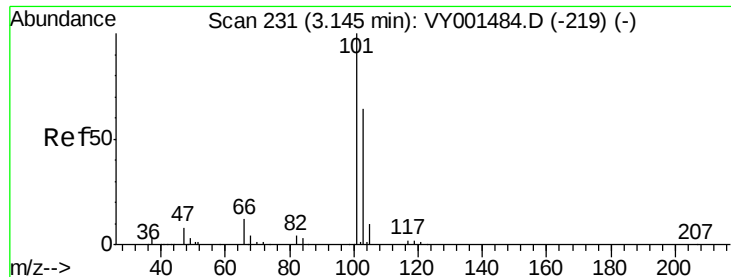
64 100

66 34.5 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY001620.D (-127) (-)



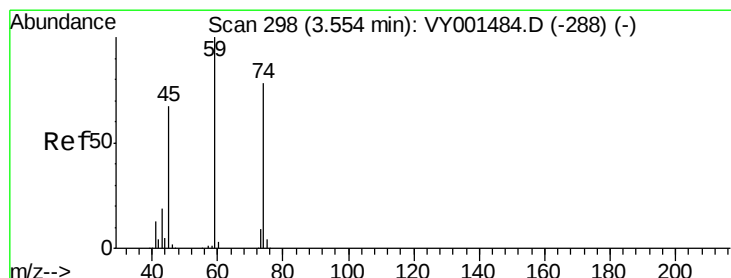
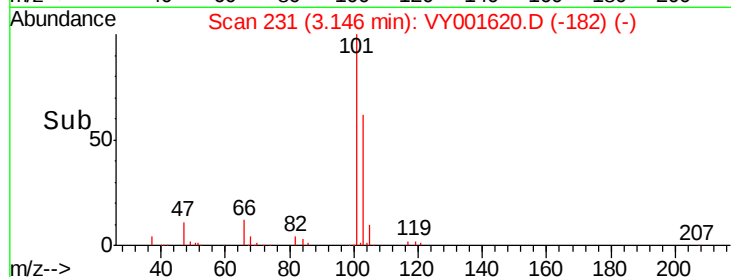
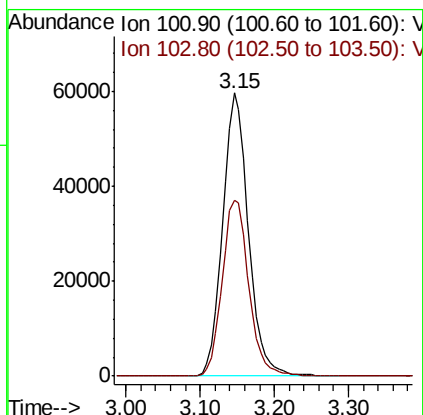
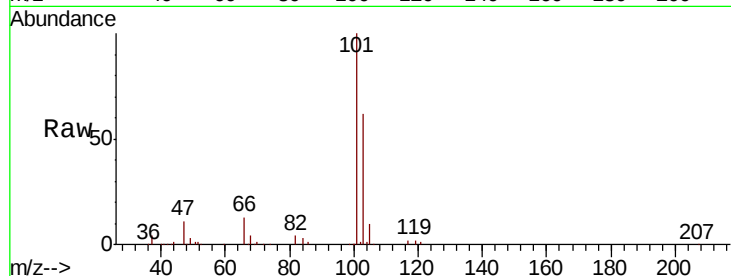


#7

Trichlorofluoromethane
 Concen: 42.061 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

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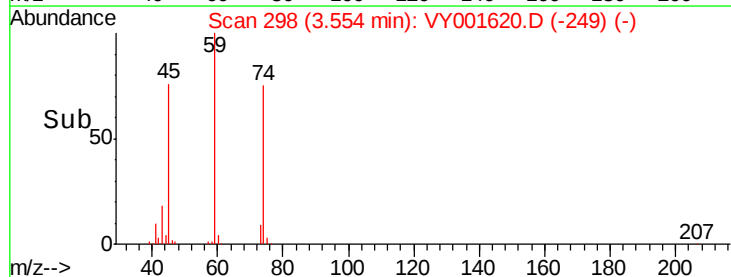
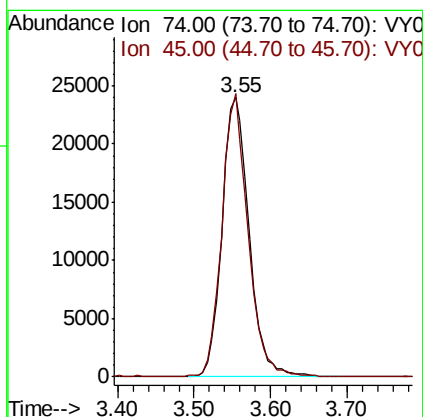
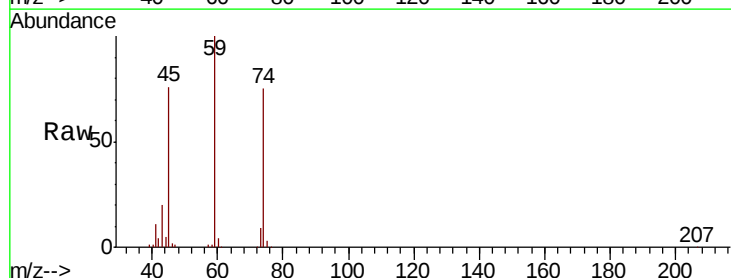
Tot Ion:101 Resp: 143368
 Ion Ratio Lower Upper
 101 100
 103 62.0 50.9 76.3

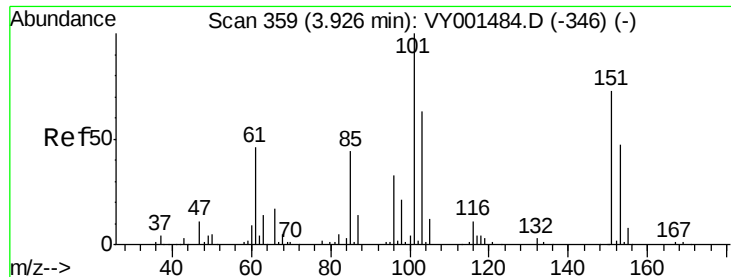


#8

Diethyl Ether
 Concen: 50.871 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion: 74 Resp: 58514
 Ion Ratio Lower Upper
 74 100
 45 98.1 44.5 133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.471 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampled :

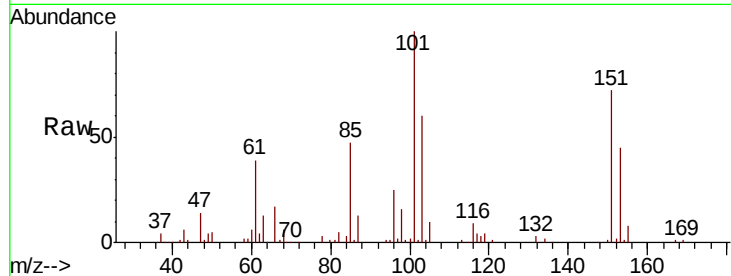
Tot Ion:101 Resp: 91205

Ion Ratio Lower Upper

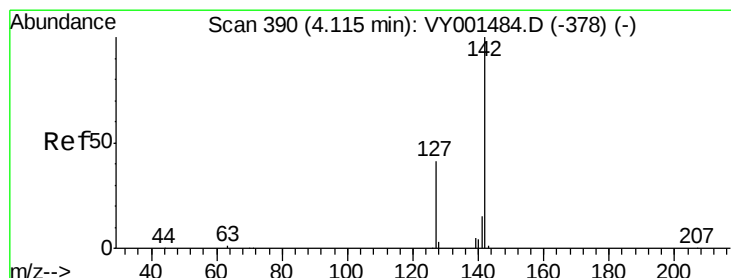
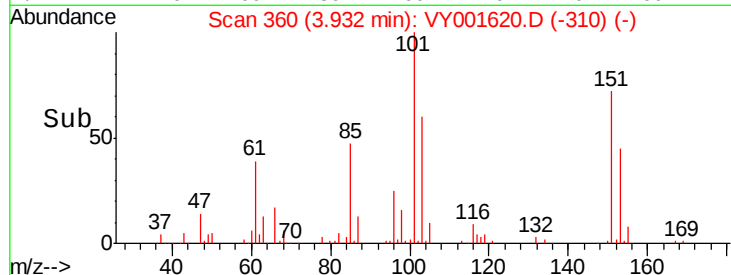
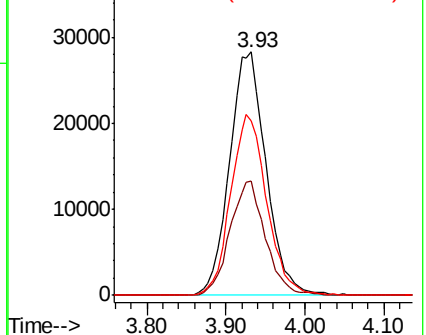
101 100

85 45.5 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: 42.455 ug/l

RT: 4.12 min Scan# 391

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

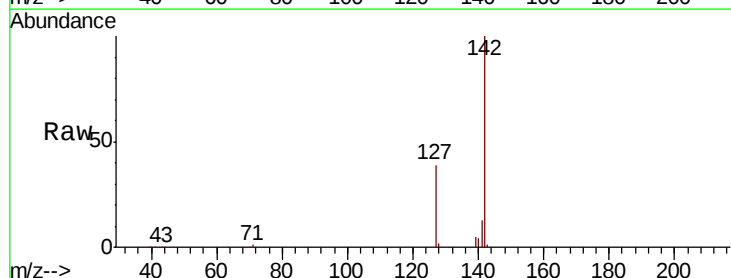
Tgt Ion:142 Resp: 110944

Ion Ratio Lower Upper

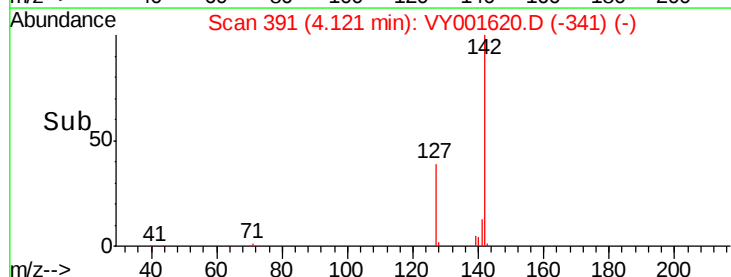
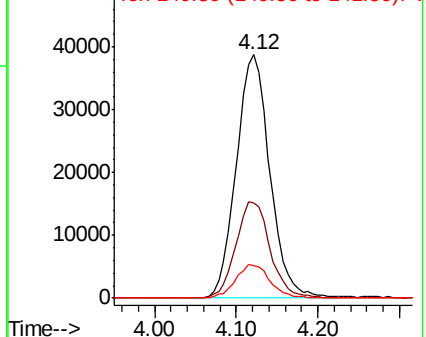
142 100

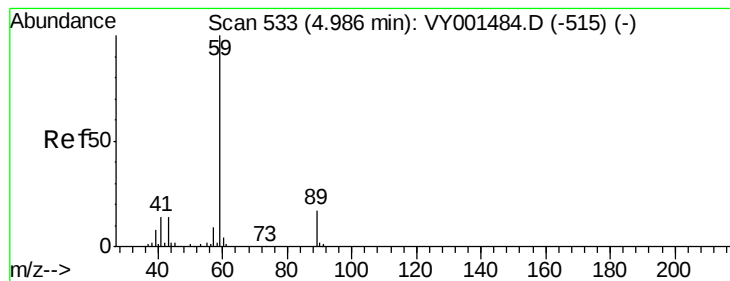
127 40.4 33.3 49.9

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



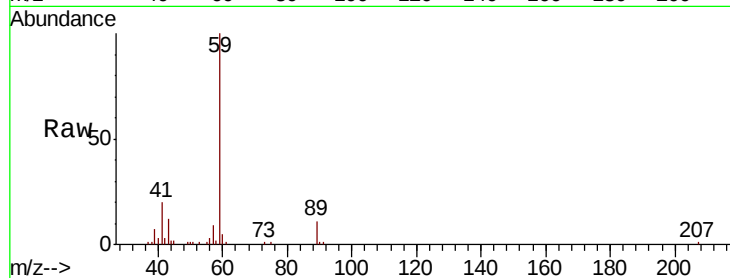


#11

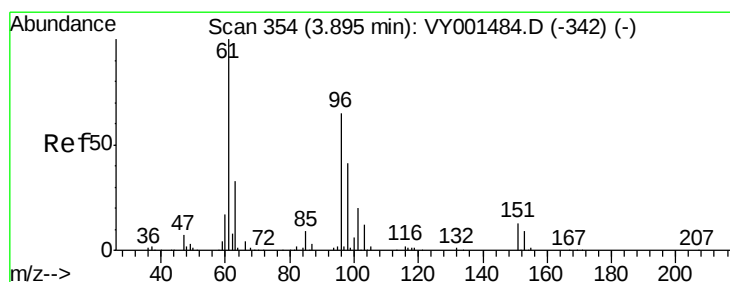
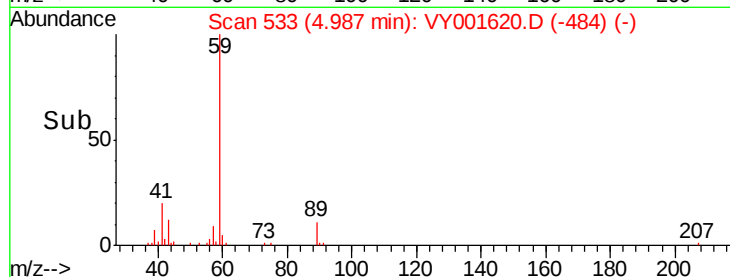
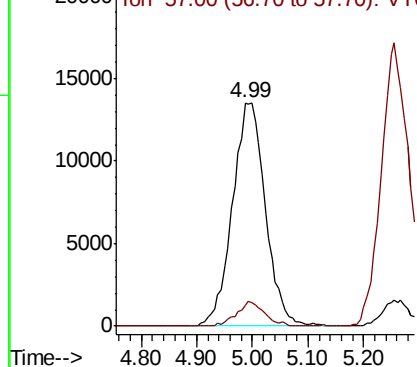
Tert butyl alcohol
 Concen: 253.725 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 59 Resp: 55576
 Ion Ratio Lower Upper
 59 100
 57 9.3 7.0 10.6



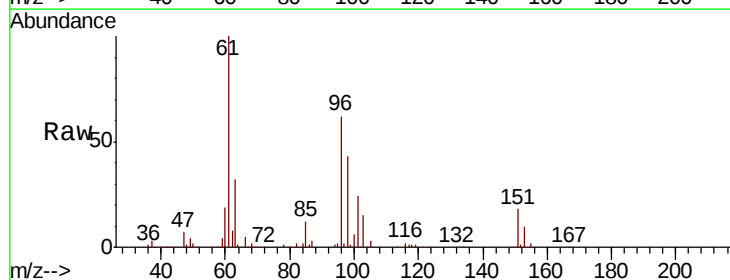
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



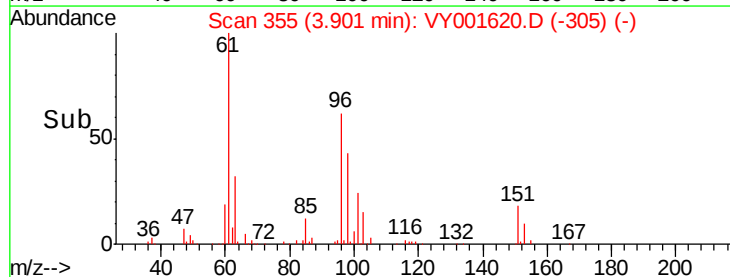
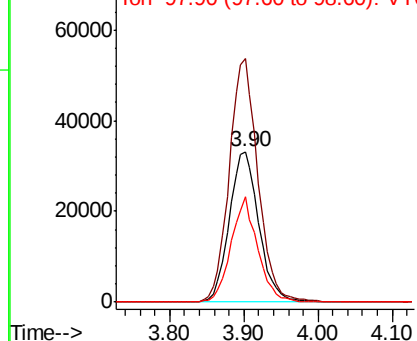
#12

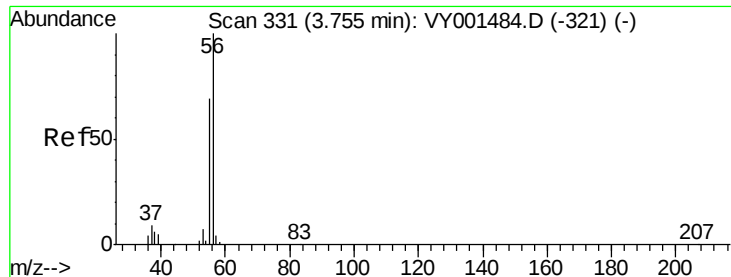
1,1-Dichloroethene
 Concen: 45.247 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion: 96 Resp: 92214
 Ion Ratio Lower Upper
 96 100
 61 161.9 122.3 183.5
 98 70.2 49.7 74.5



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





#13

Acrolein

Concen: 248.114 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

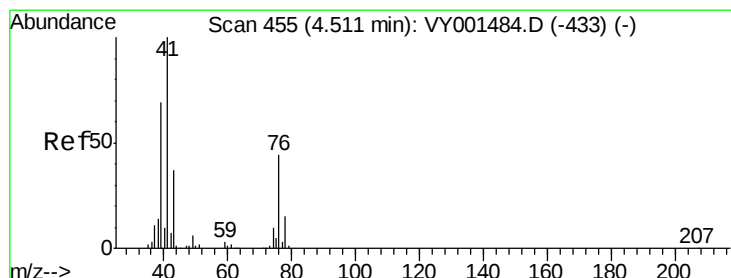
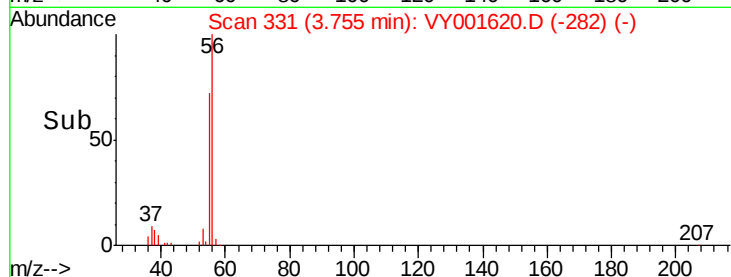
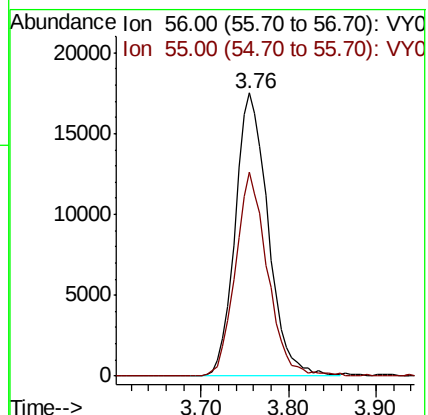
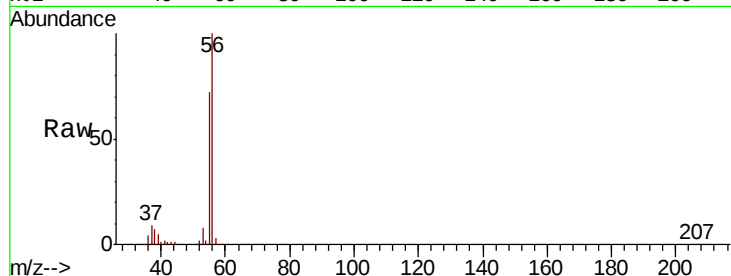
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 45853

Ion Ratio Lower Upper

56 100

55 70.3 56.2 84.4



#14

Allyl chloride

Concen: 52.969 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

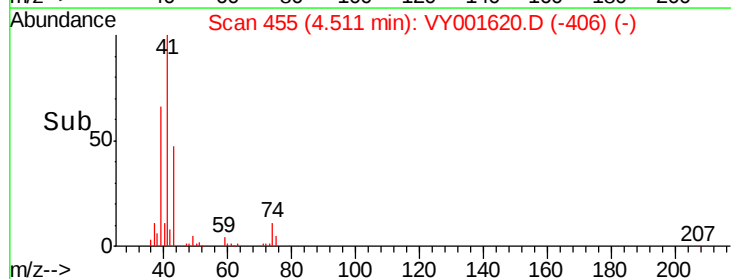
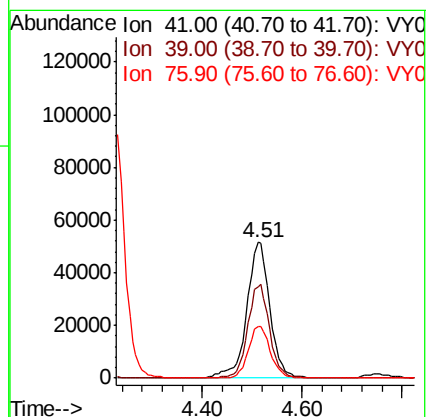
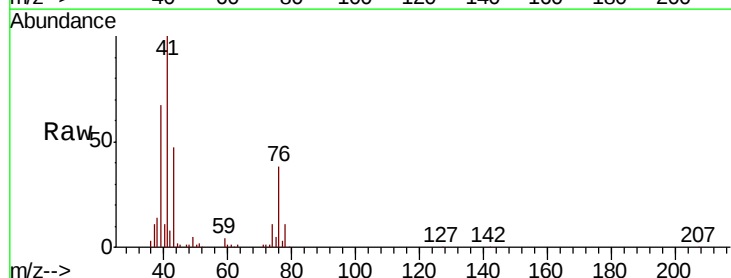
Tgt Ion: 41 Resp: 165141

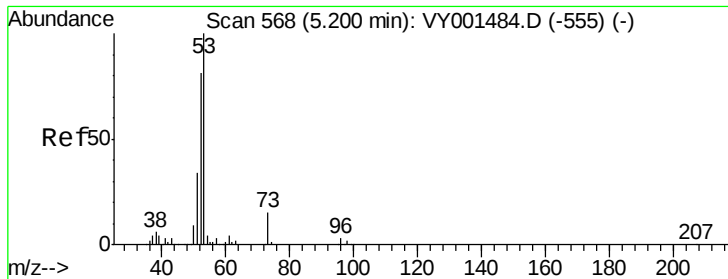
Ion Ratio Lower Upper

41 100

39 65.4 53.0 79.6

76 36.2 32.6 48.8





#15

Acrylonitrile

Concen: 294.798 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

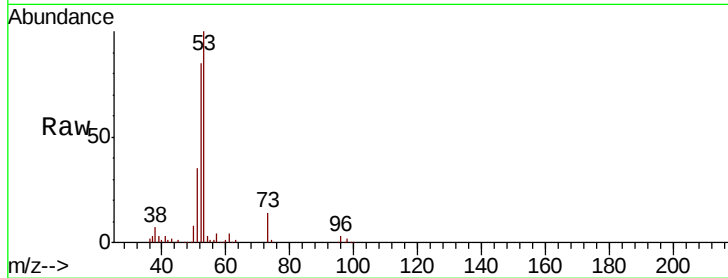
Tot Ion: 53 Resp: 155450

Ion Ratio Lower Upper

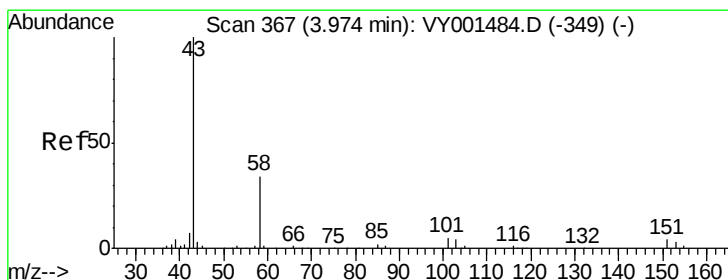
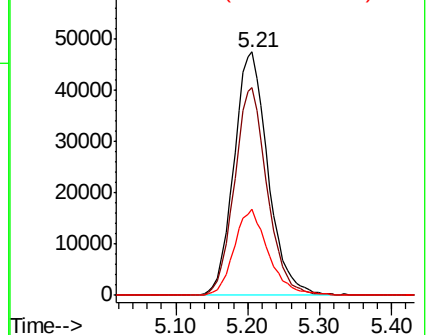
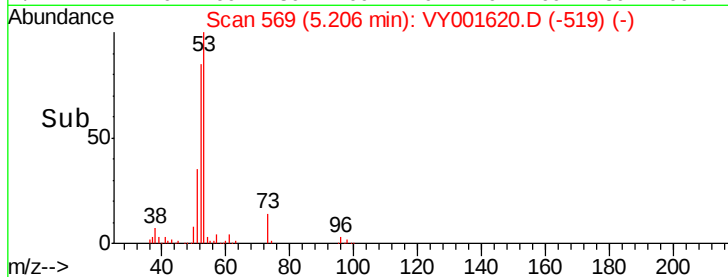
53 100

52 82.5 65.4 98.2

51 35.6 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VY001620.D (-519) (-)



#16

Acetone

Concen: 270.990 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001620.D

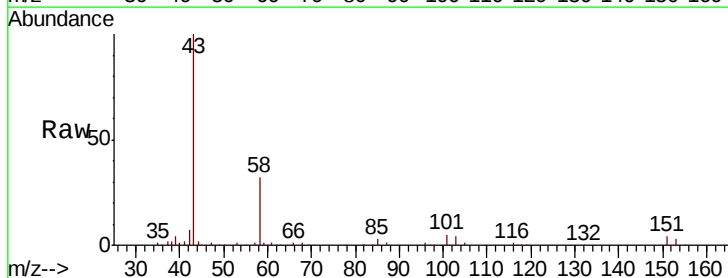
Acq: 12 Feb 2020 19:03

Tgt Ion: 43 Resp: 152990

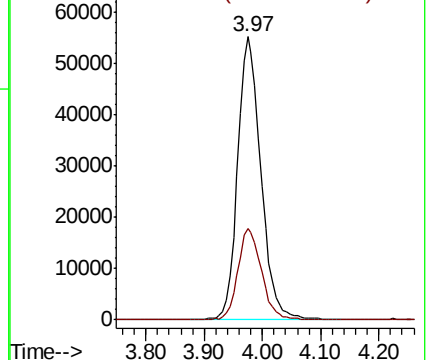
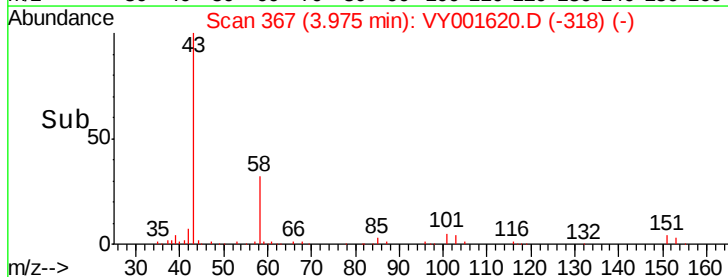
Ion Ratio Lower Upper

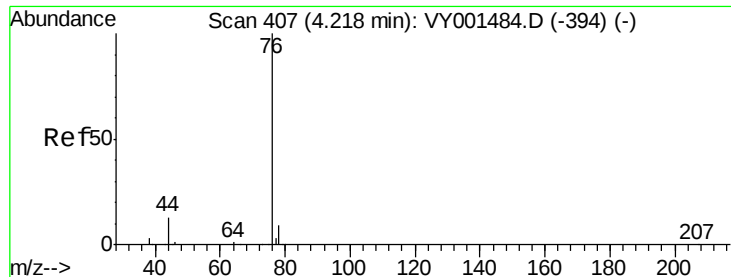
43 100

58 32.2 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY001620.D (-318) (-)

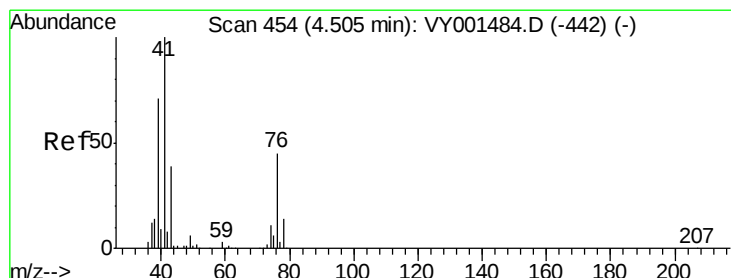
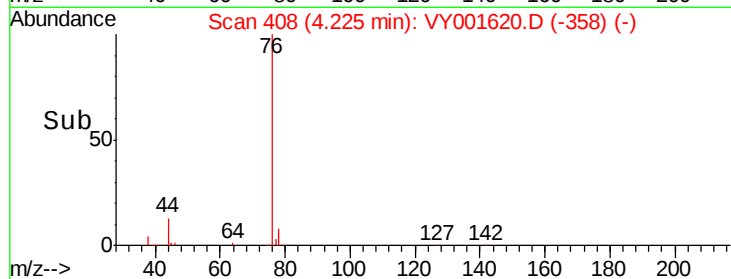
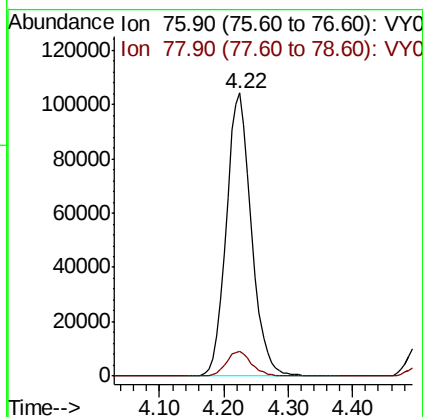
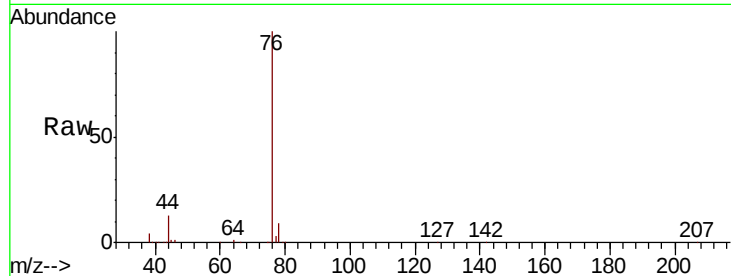




#17
Carbon Disulfide
Concen: 43.981 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

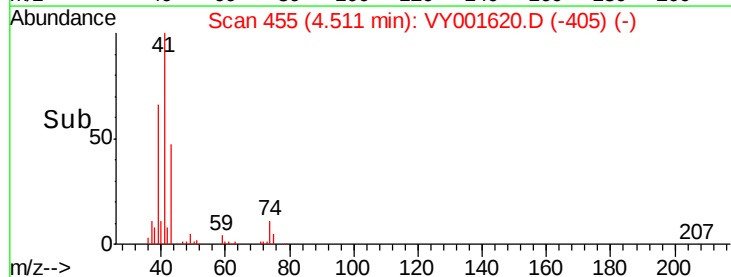
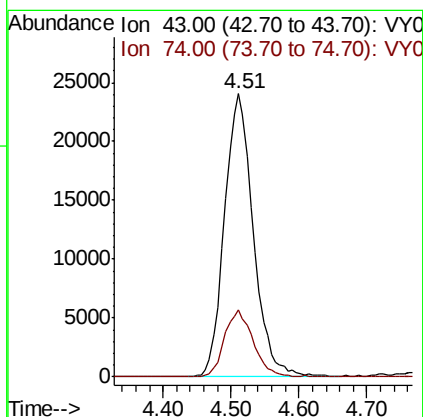
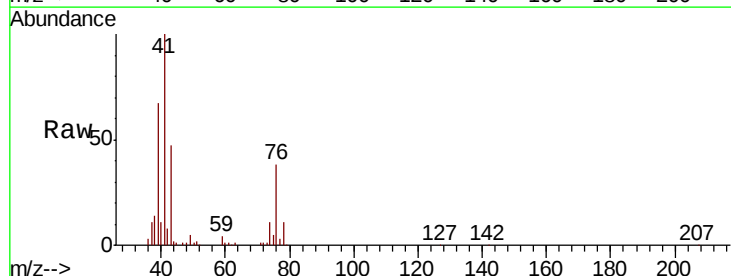
Instrument :
MSVOA_Y
ClientSampled :

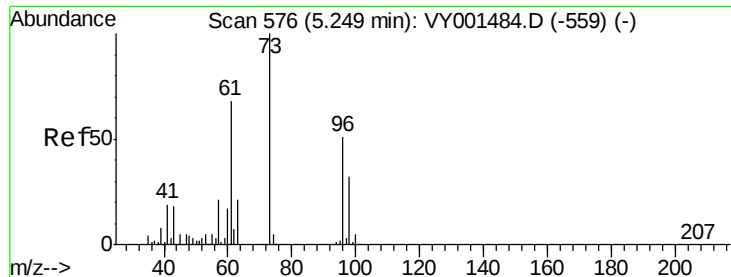
Tot Ion: 76 Resp: 285345
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#18
Methyl Acetate
Concen: 58.761 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 43 Resp: 70793
Ion Ratio Lower Upper
43 100
74 23.5 21.0 31.6

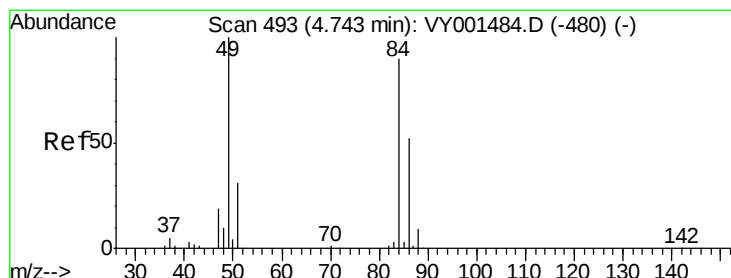
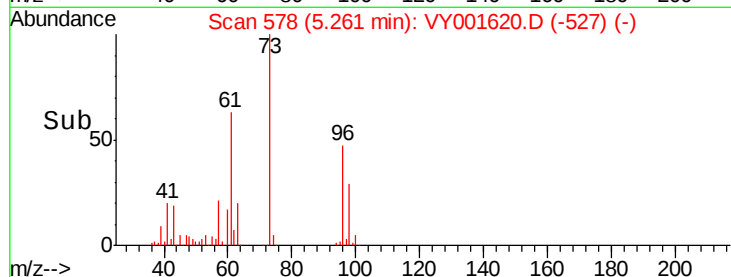
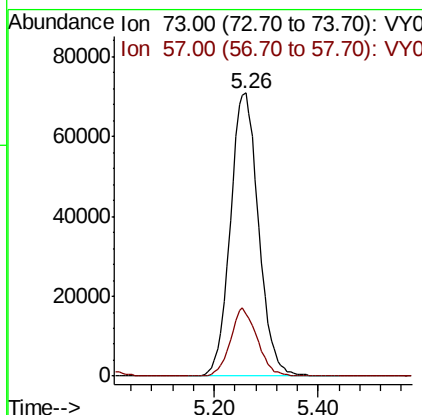
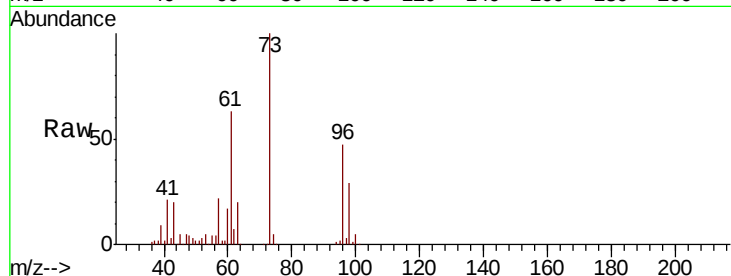




#19
Methvl tert-butvl Ether
Concen: 49.484 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

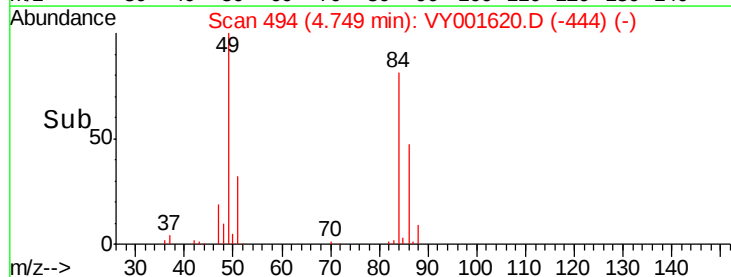
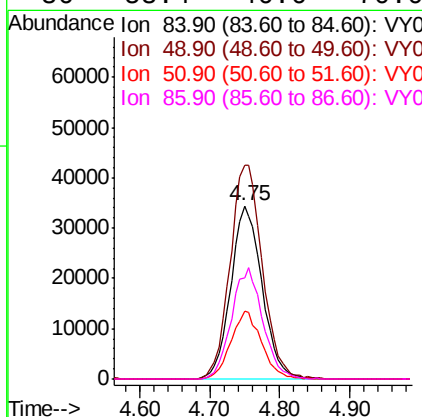
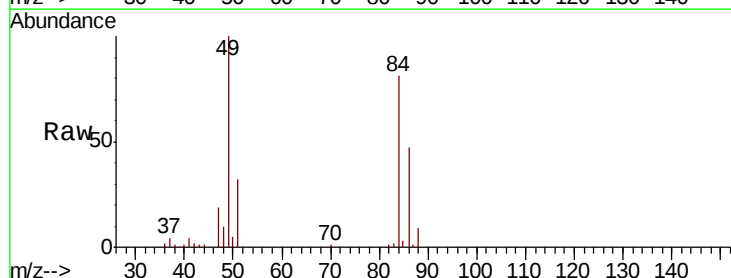
Instrument :
MSVOA_Y
ClientSampled :

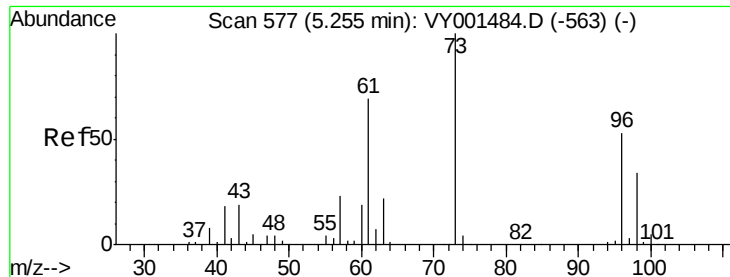
Tot Ion: 73 Resp: 268197
Ion Ratio Lower Upper
73 100
57 21.8 17.0 25.6



#20
Methylene Chloride
Concen: 48.140 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 84 Resp: 106806
Ion Ratio Lower Upper
84 100
49 123.5 89.0 133.6
51 39.2 27.4 41.2
86 58.4 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 45.926 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampled :

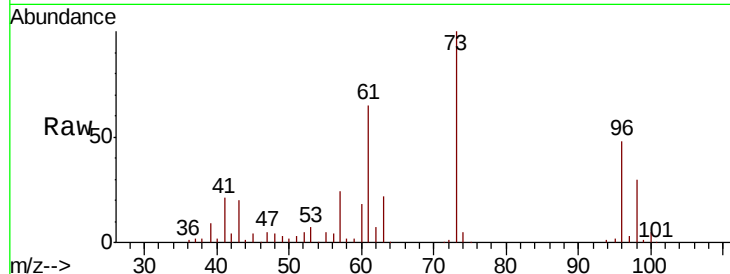
Tot Ion: 96 Resp: 104051

Ion Ratio Lower Upper

96 100

61 134.7 104.2 156.4

98 61.7 51.4 77.0

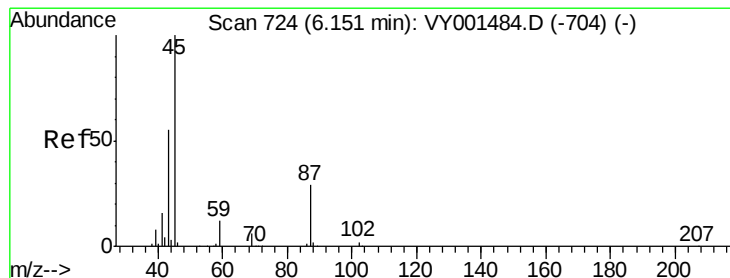
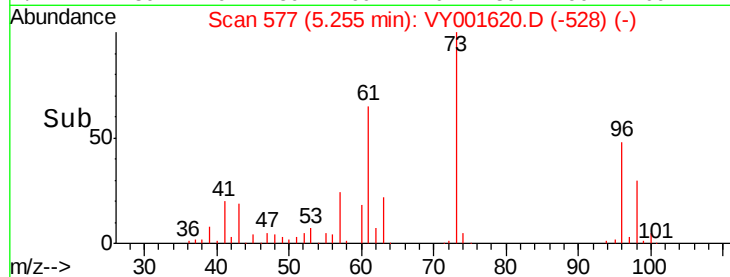
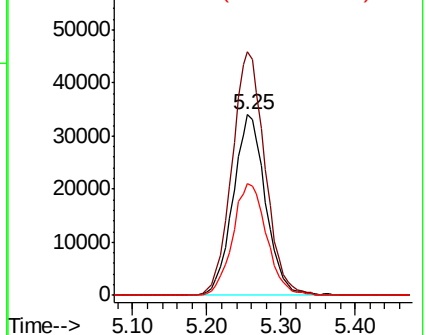


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 56.690 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Tgt Ion: 45 Resp: 350163

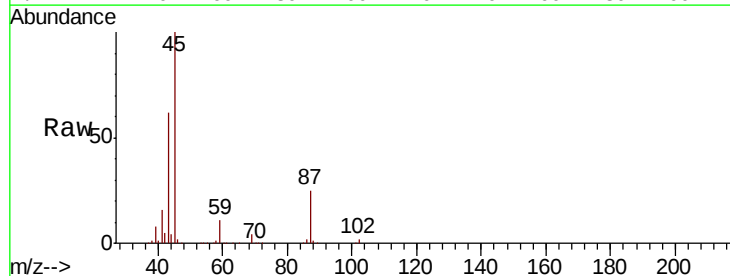
Ion Ratio Lower Upper

45 100

43 61.6 44.2 66.4

87 25.1 23.9 35.9

59 11.1 10.2 15.2



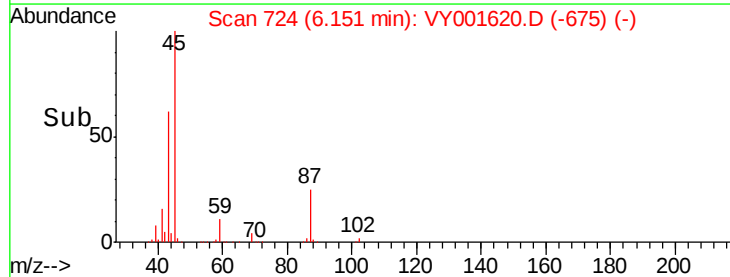
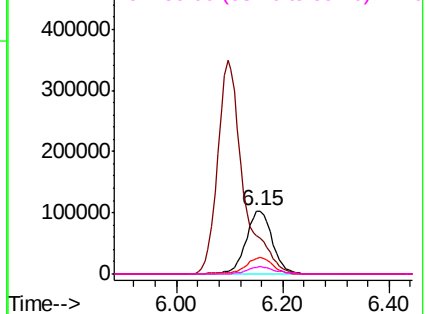
Abundance

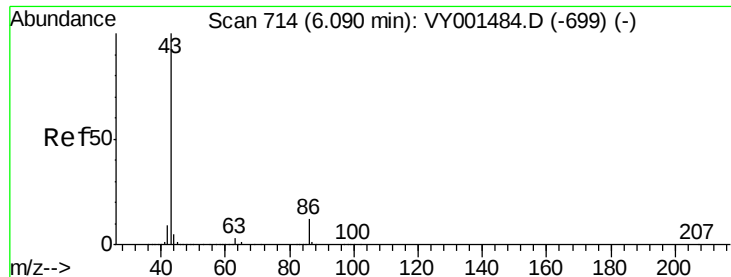
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 296.246 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

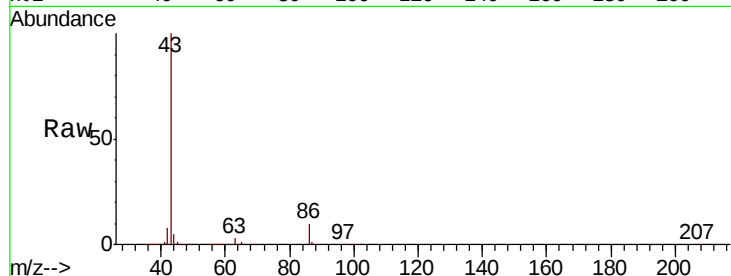
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1164871

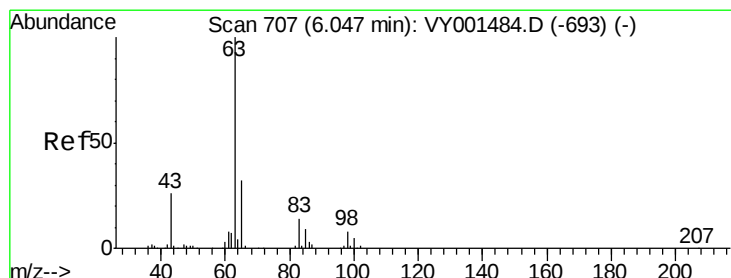
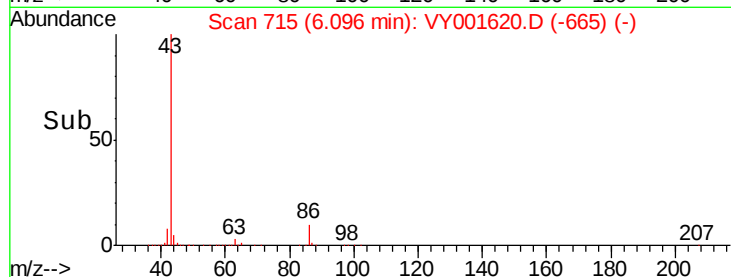
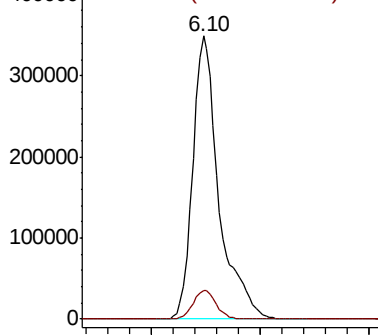
Ion Ratio Lower Upper

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: 49.187 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

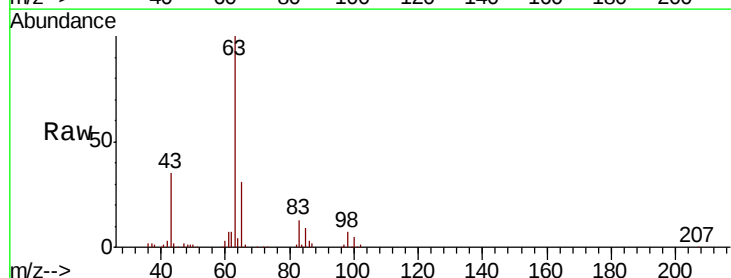
Tgt Ion: 63 Resp: 182746

Ion Ratio Lower Upper

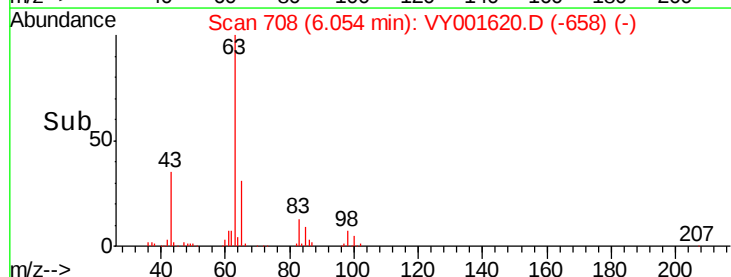
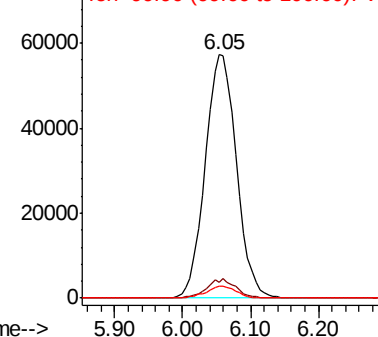
63 100

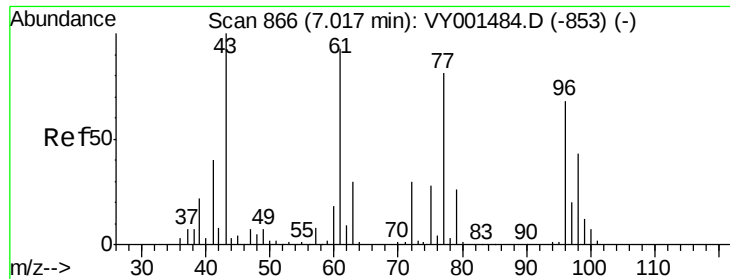
98 6.7 4.0 11.9

100 4.8 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

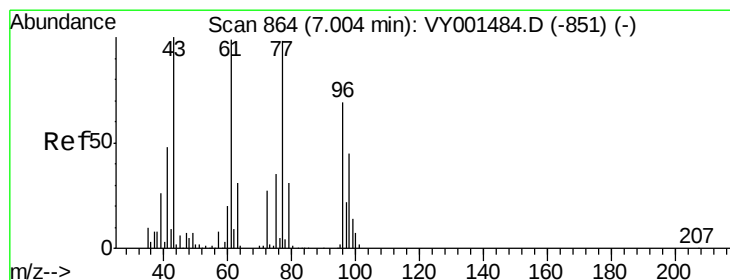
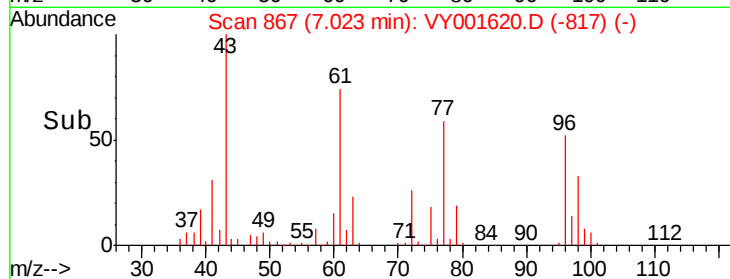
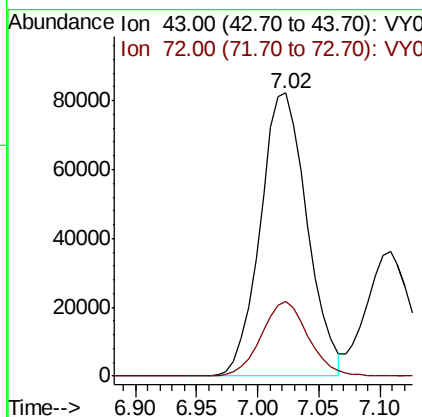
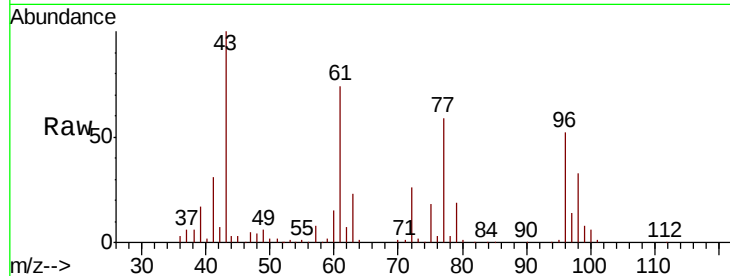




#25
2-Butanone
Concen: 300.019 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

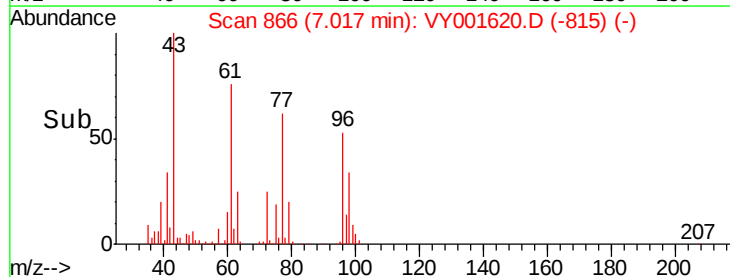
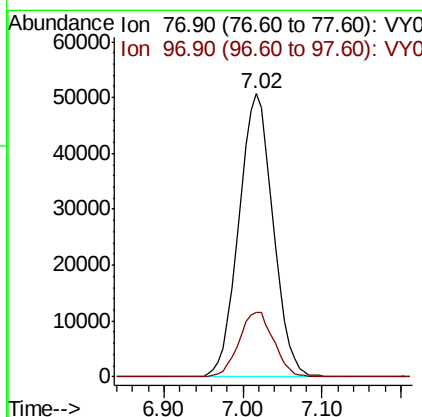
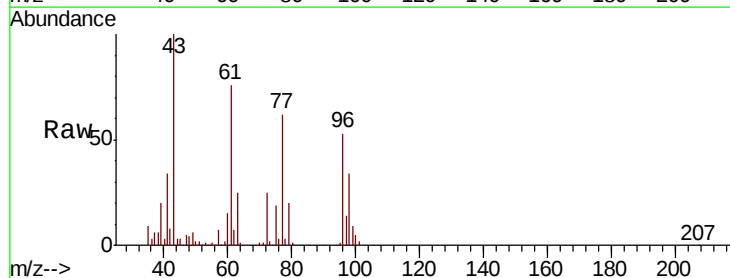
Instrument :
MSVOA_Y
ClientSampleId :

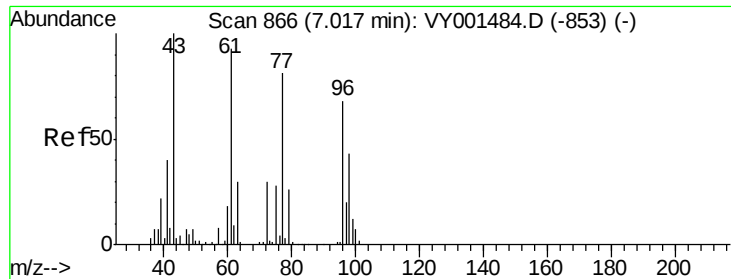
Tot Ion: 43 Resp: 219742
Ion Ratio Lower Upper
43 100
72 26.5 23.8 35.8



#26
2,2-Dichloropropane
Concen: 42.978 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 77 Resp: 152819
Ion Ratio Lower Upper
77 100
97 23.2 11.7 35.0



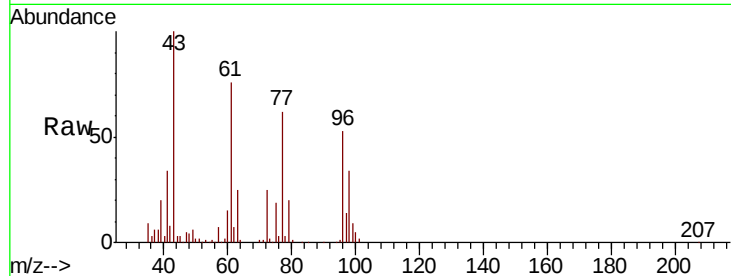


#27

cis-1,2-Dichloroethene
Concen: 47.731 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	278.8
98	63.7	0.0	128.8

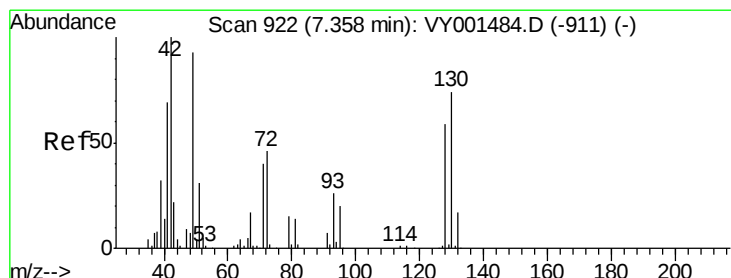
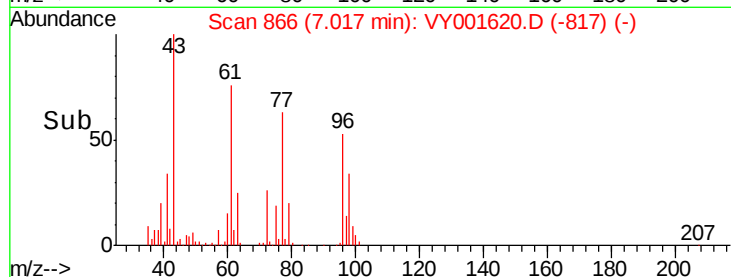
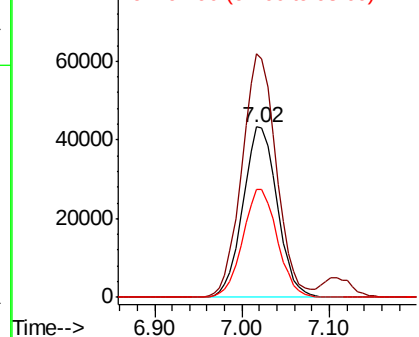


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

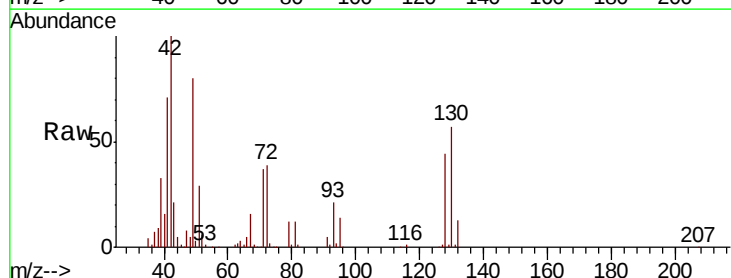
Ion 97.90 (97.60 to 98.60): VY0



#28

Bromochloromethane
Concen: 61.702 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.8
130	70.7	65.4	98.2

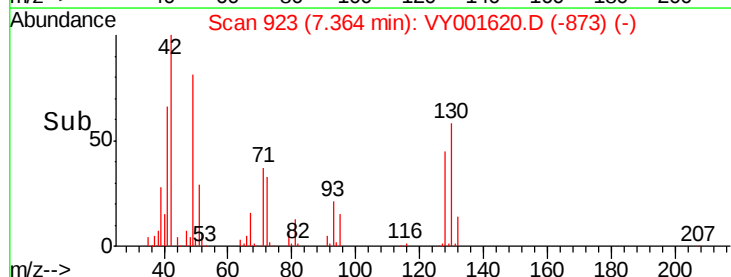
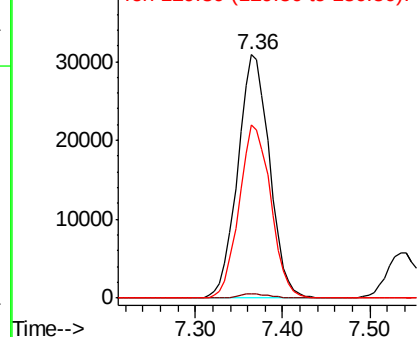


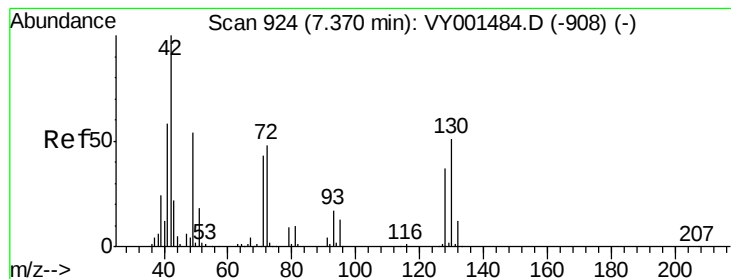
Abundance

Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 320.166 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :

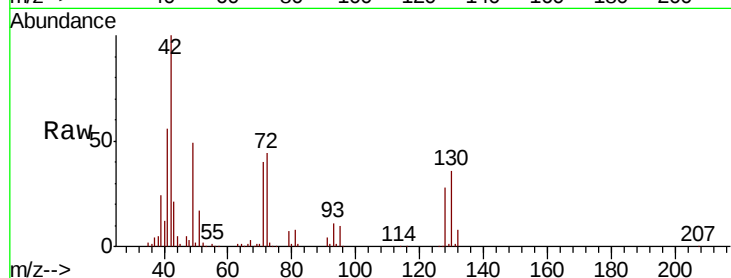
Tot Ion: 42 Resp: 140551

Ion Ratio Lower Upper

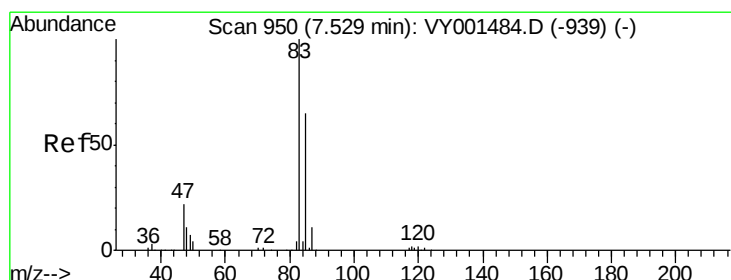
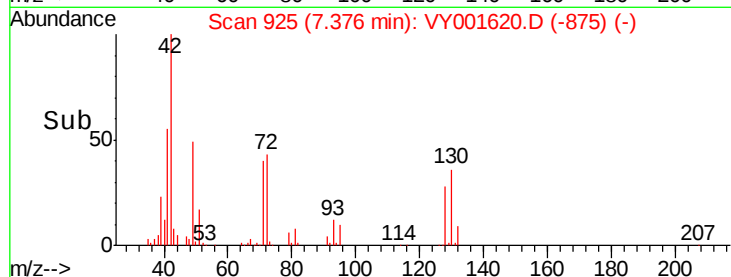
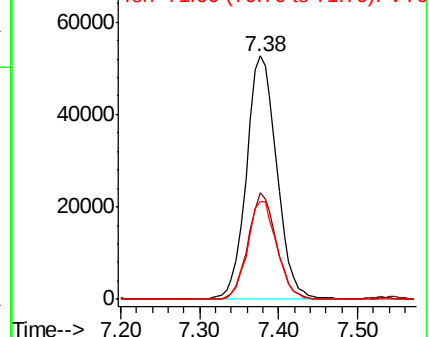
42 100

72 41.2 37.8 56.6

71 38.9 34.8 52.2



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



#30

Chloroform

Concen: 47.922 ug/l

RT: 7.54 min Scan# 952

Delta R.T. 0.01 min

Lab File: VY001620.D

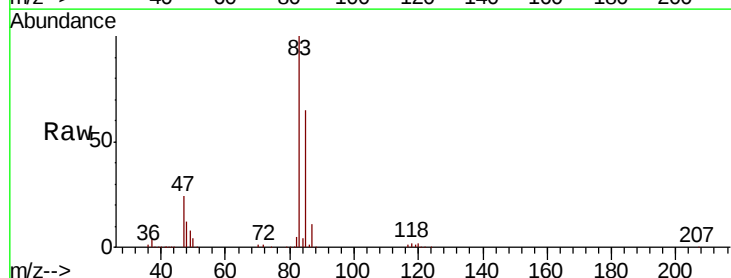
Acq: 12 Feb 2020 19:03

Tgt Ion: 83 Resp: 180349

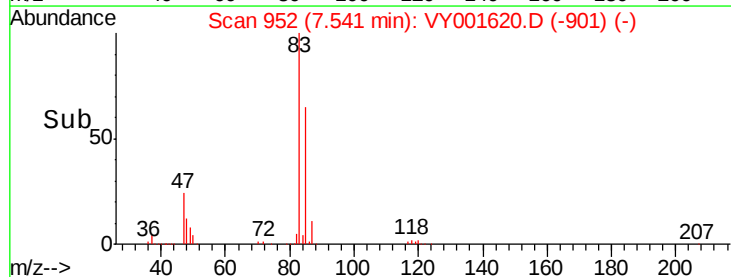
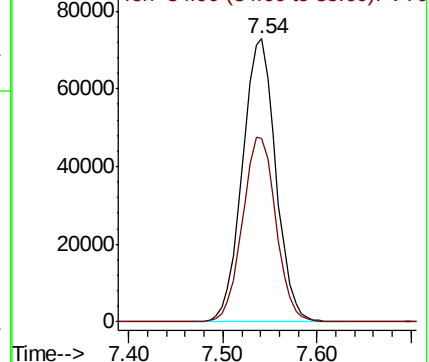
Ion Ratio Lower Upper

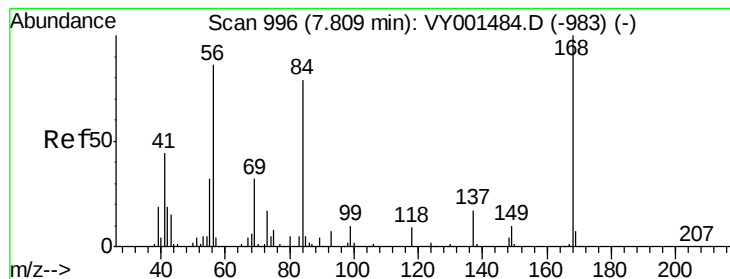
83 100

85 64.8 52.4 78.6



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





#31

Cyclohexane

Concen: 47.154 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampled :

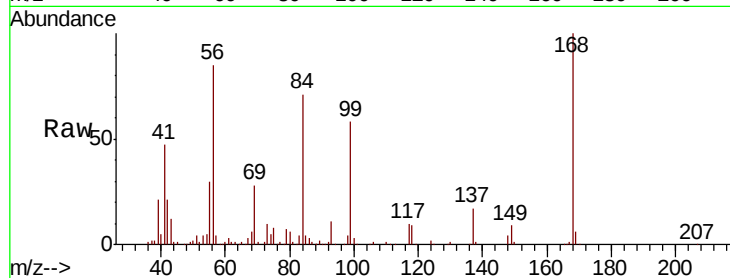
Tot Ion: 56 Resp: 179206

Ion Ratio Lower Upper

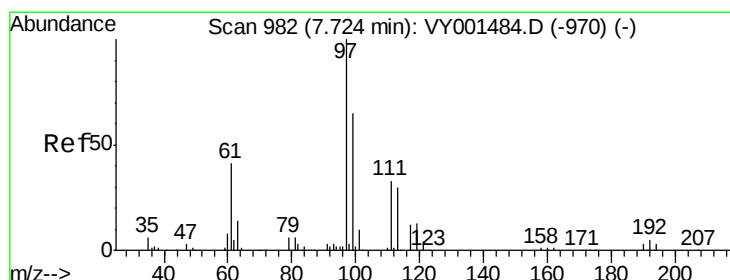
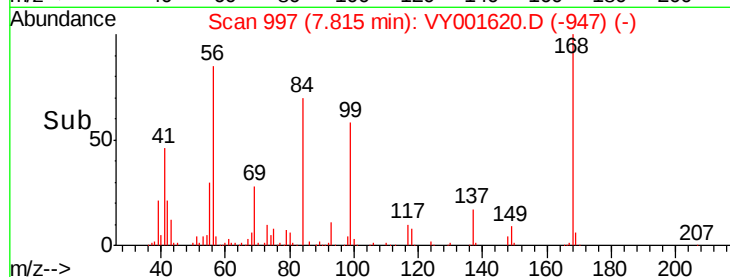
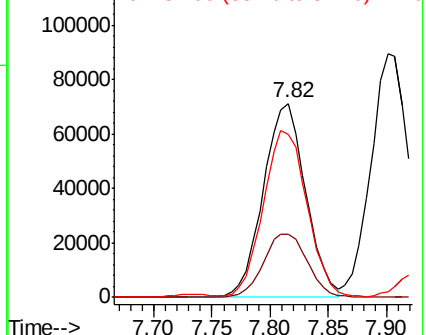
56 100

69 32.6 29.6 44.4

84 82.8 73.6 110.4



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



#32

1,1,1-Trichloroethane

Concen: 44.647 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

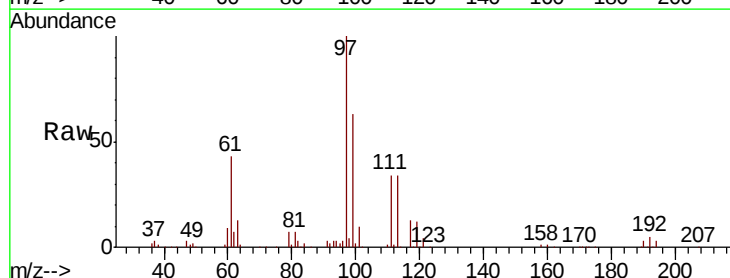
Tgt Ion: 97 Resp: 152339

Ion Ratio Lower Upper

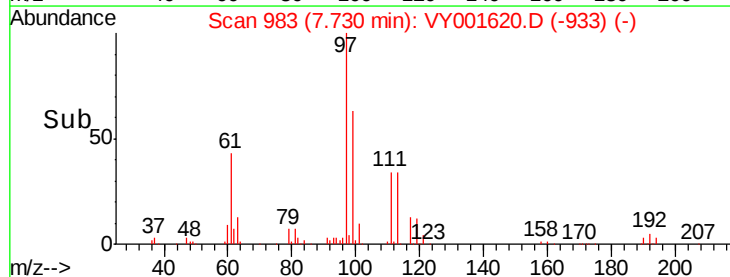
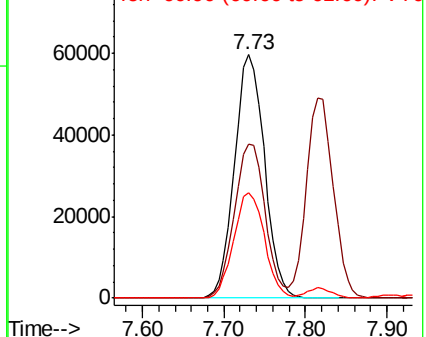
97 100

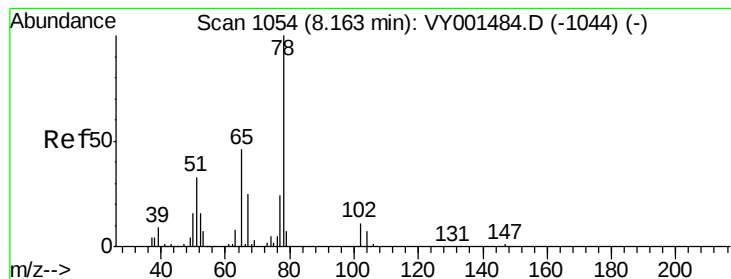
99 65.2 51.8 77.8

61 44.4 32.5 48.7



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





#33

1,2-Dichloroethane-d4

Concen: 52.636 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

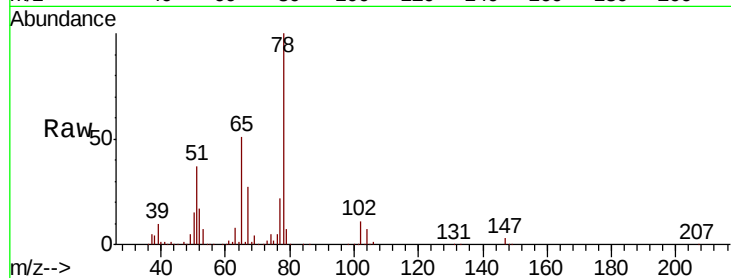
ClientSampled :

Tot Ion: 65 Resp: 102731

Ion Ratio Lower Upper

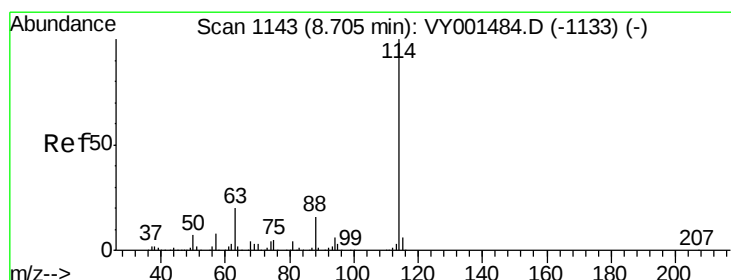
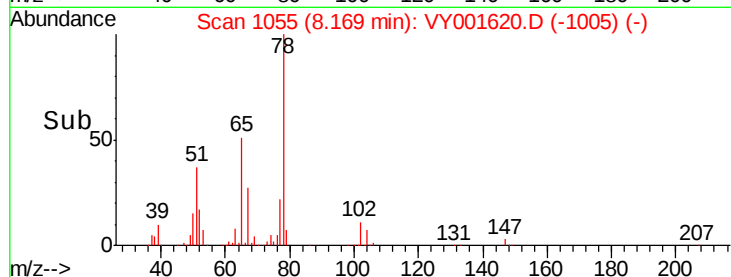
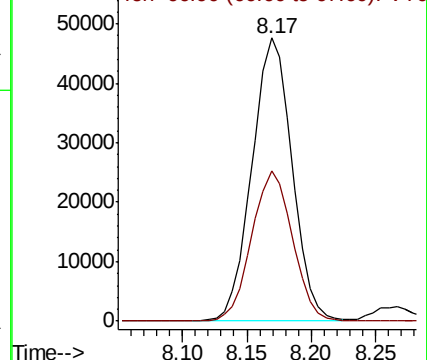
65 100

67 53.9 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

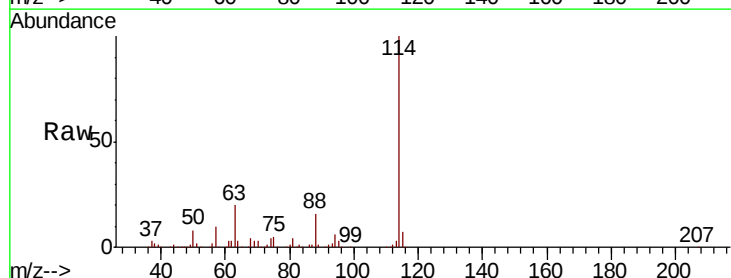
Tgt Ion: 114 Resp: 346307

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.8

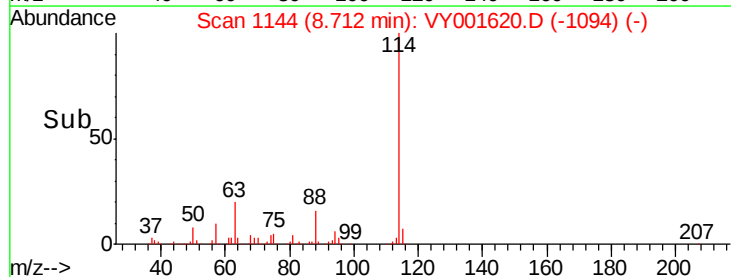
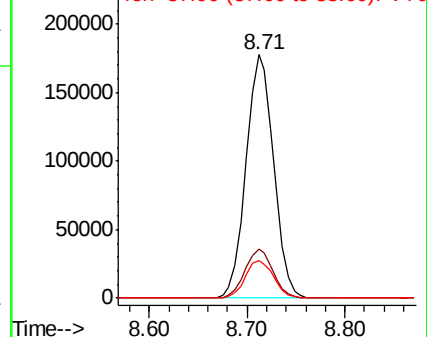
88 15.6 0.0 32.6

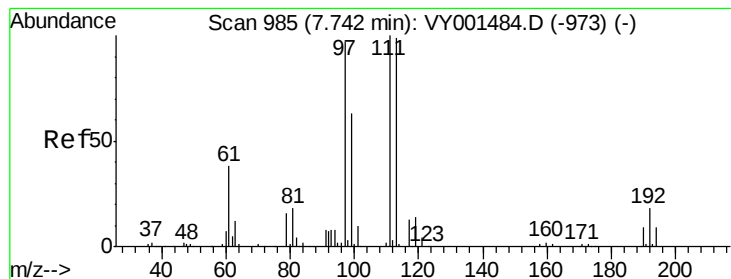


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 46.606 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampled :

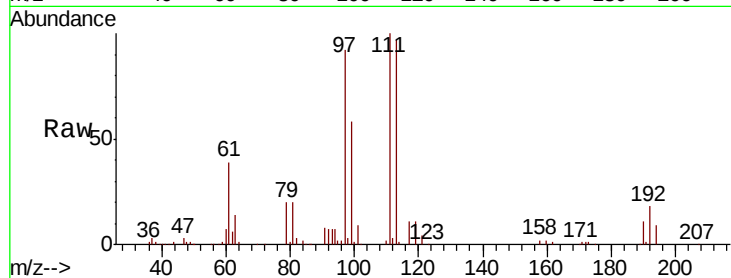
Tot Ion:113 Resp: 93071

Ion Ratio Lower Upper

113 100

111 101.4 82.9 124.3

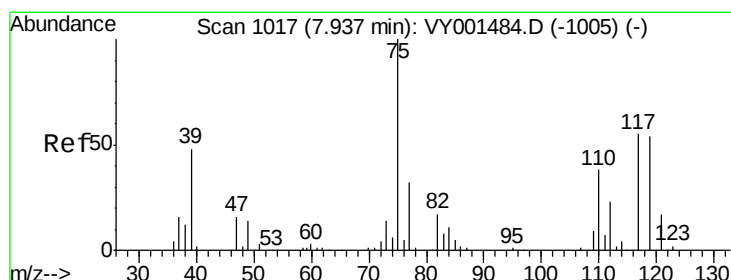
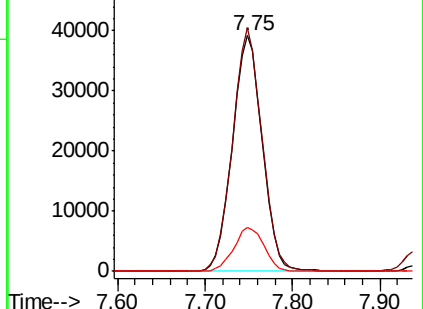
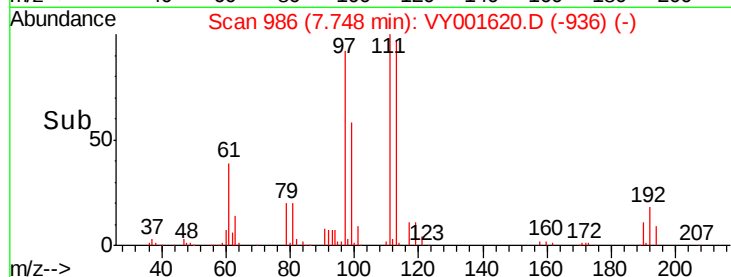
192 18.7 14.6 22.0



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: 45.871 ug/l

RT: 7.94 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

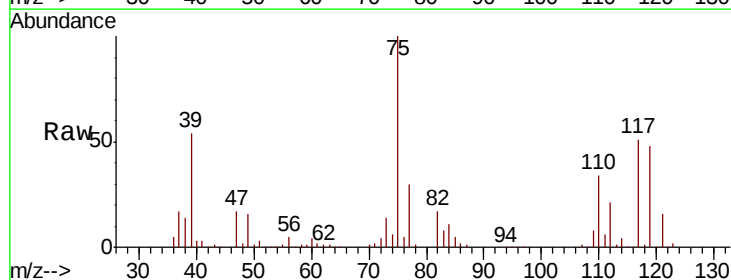
Tgt Ion: 75 Resp: 145321

Ion Ratio Lower Upper

75 100

110 35.4 18.2 54.6

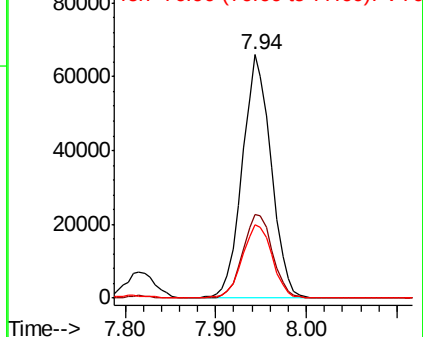
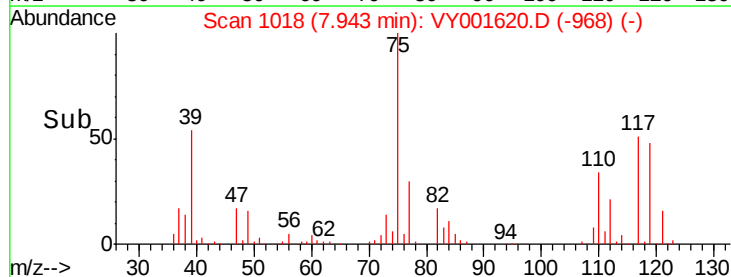
77 31.5 25.0 37.4

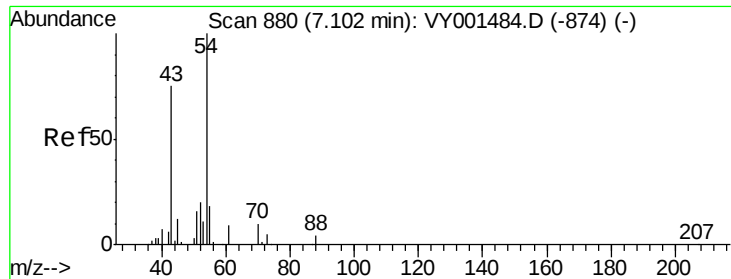


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

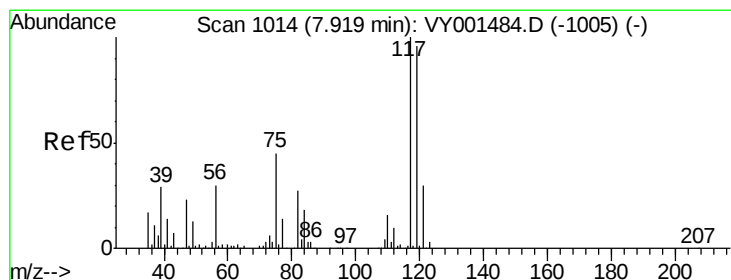
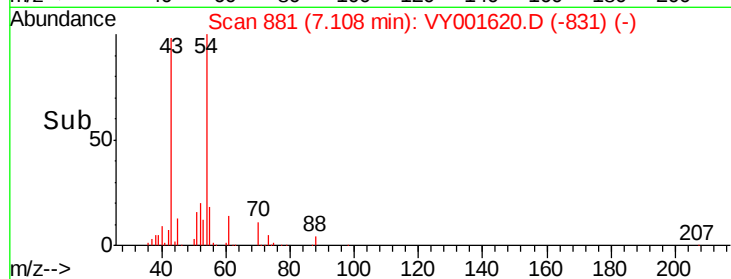
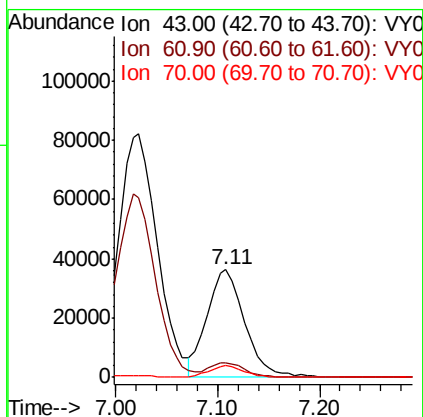
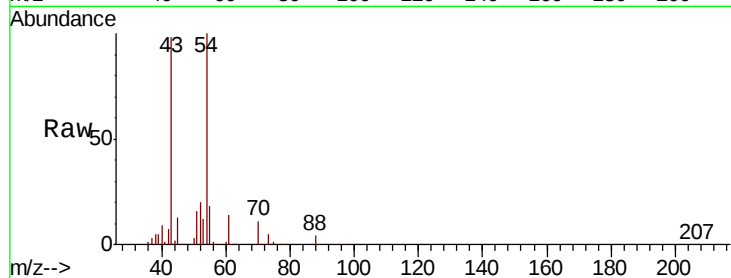




#37
Ethyl Acetate
Concen: 60.714 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

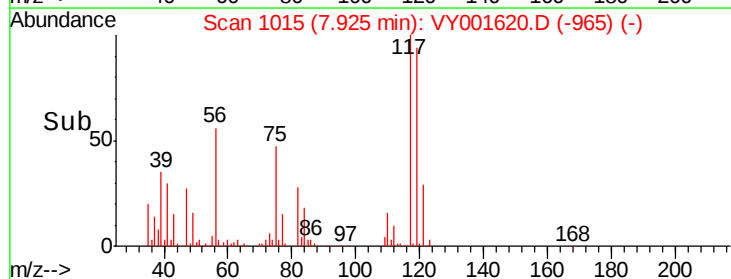
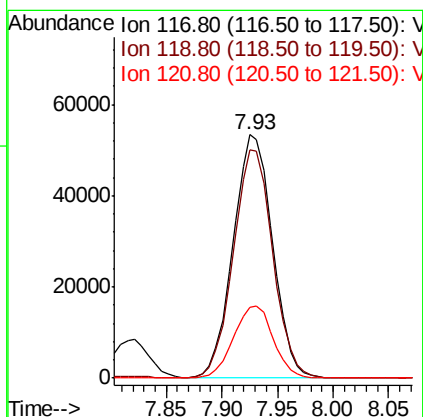
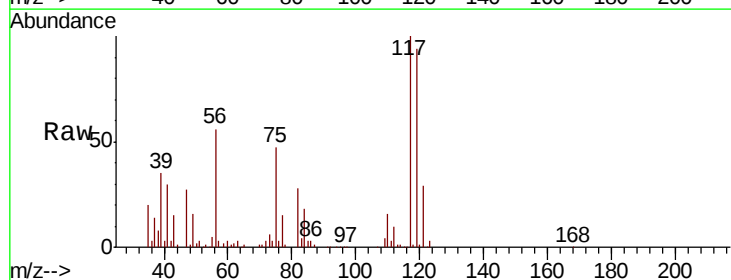
Instrument :
MSVOA_Y
ClientSampled :

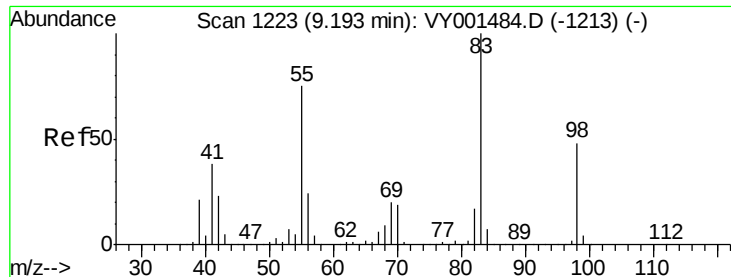
Tot Ion: 43 Resp: 93113
Ion Ratio Lower Upper
43 100
61 12.6 12.0 18.0
70 10.4 10.2 15.4



#38
Carbon Tetrachloride
Concen: 42.786 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 117 Resp: 131143
Ion Ratio Lower Upper
117 100
119 94.0 76.4 114.6
121 28.9 24.2 36.4

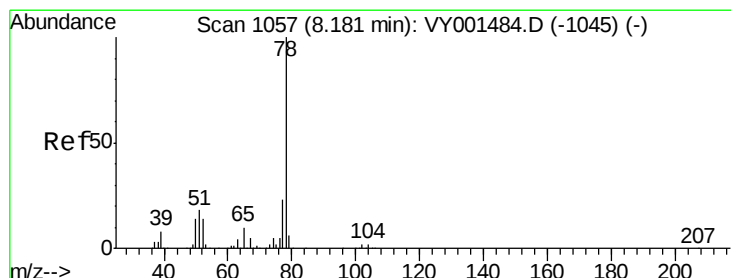
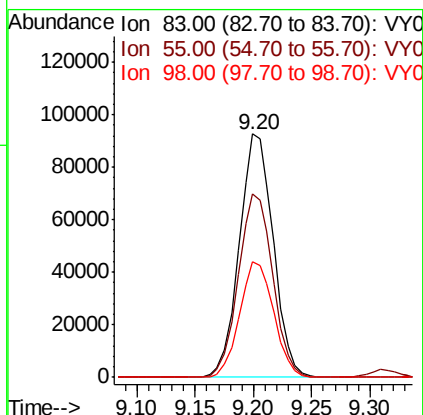
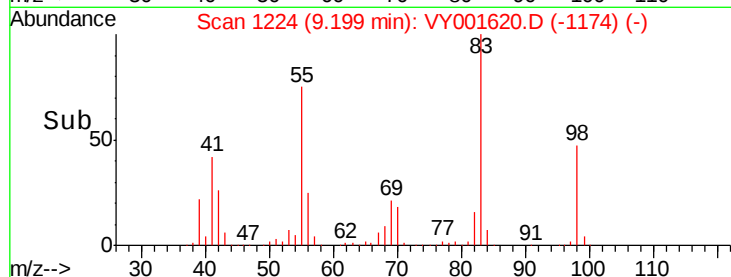
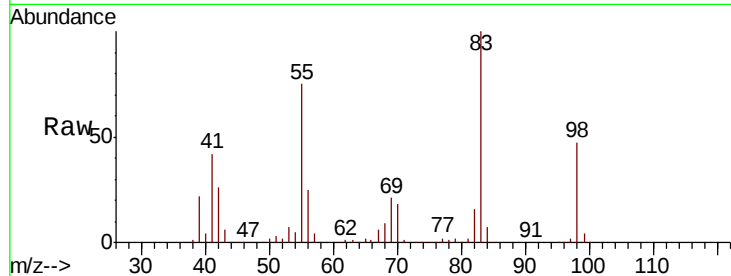




#39
Methvlcvclohexane
Concen: 45.148 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

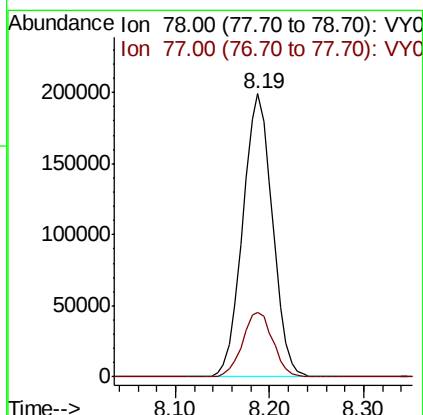
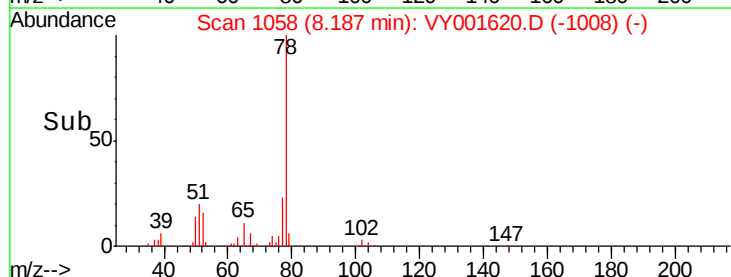
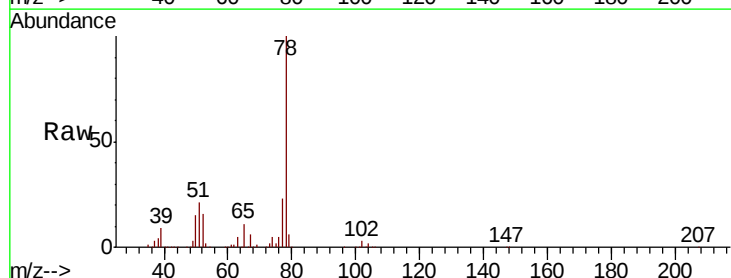
Instrument :
MSVOA_Y
ClientSampleId :

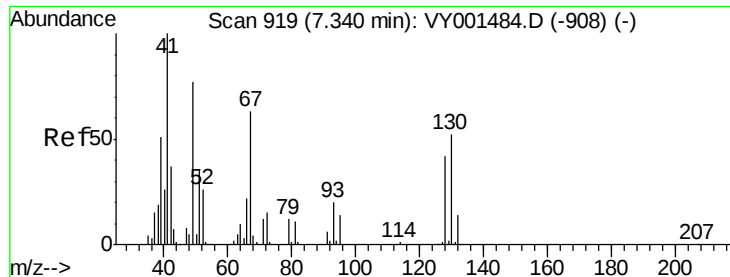
Tot Ion: 83 Resp: 188330
Ion Ratio Lower Upper
83 100
55 75.2 59.8 89.6
98 47.4 38.6 57.8



#40
Benzene
Concen: 48.268 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 78 Resp: 436160
Ion Ratio Lower Upper
78 100
77 22.7 18.5 27.7

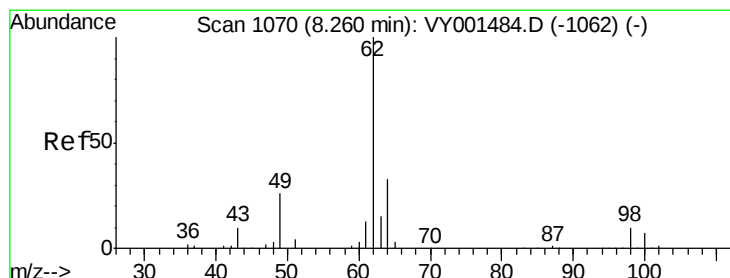
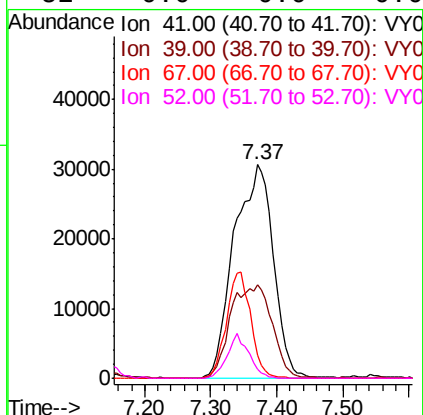
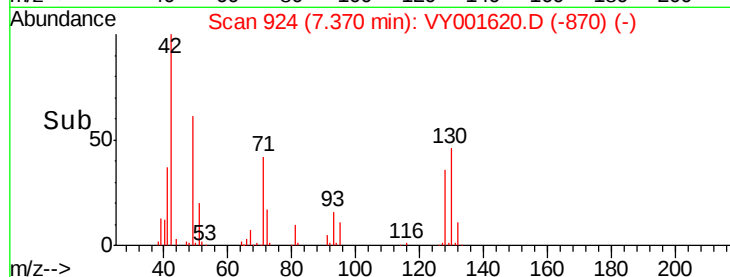
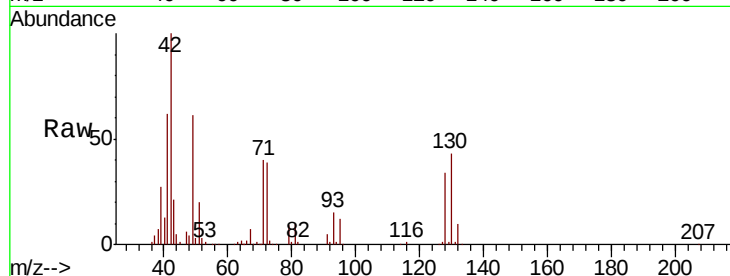




#41
Methacrylonitrile
Concen: 178.035 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

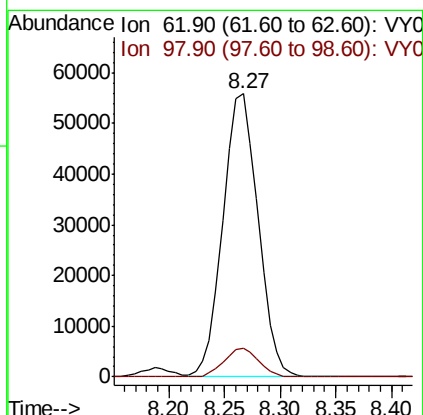
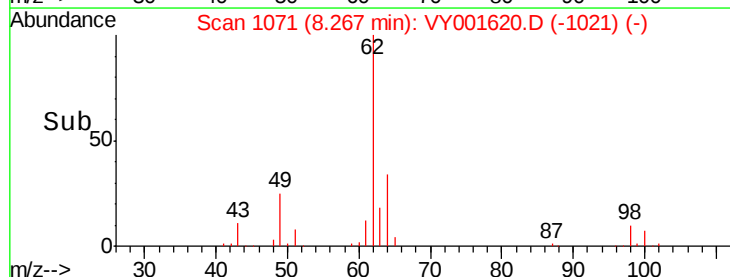
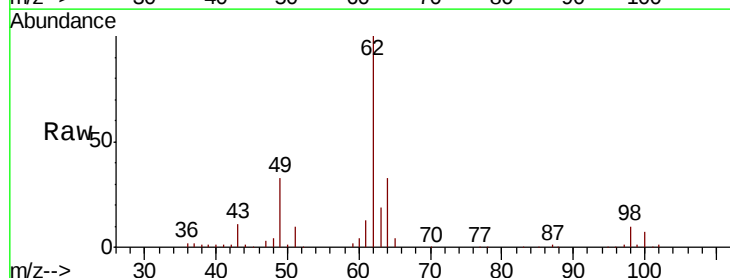
Instrument :
MSVOA_Y
ClientSampled :

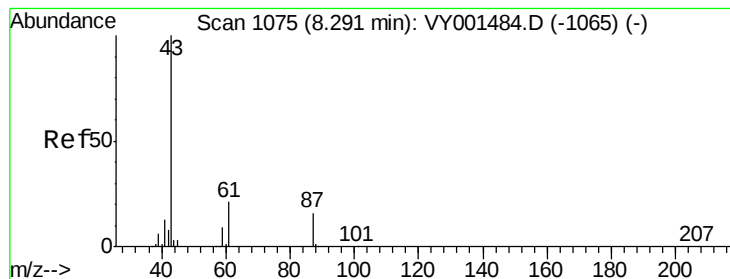
Tot Ion: 41 Resp: 126546
Ion Ratio Lower Upper
41 100
39 46.2 116.8 175.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 48.783 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 62 Resp: 122812
Ion Ratio Lower Upper
62 100
98 10.0 0.0 21.0



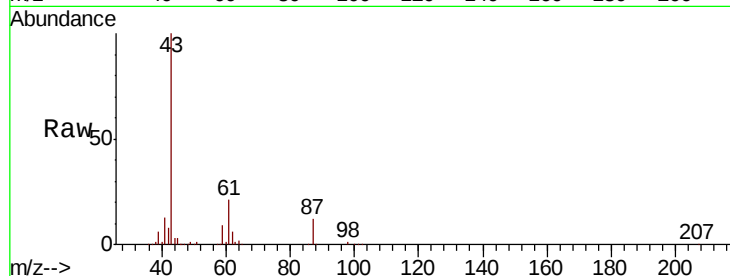


#43

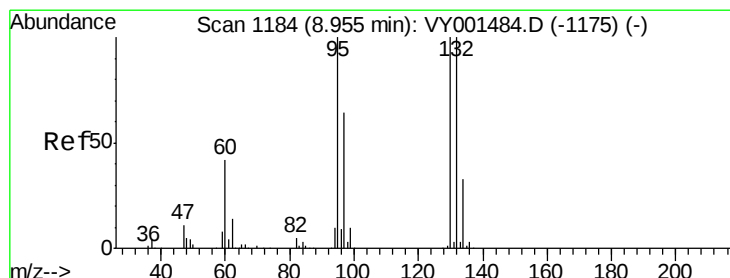
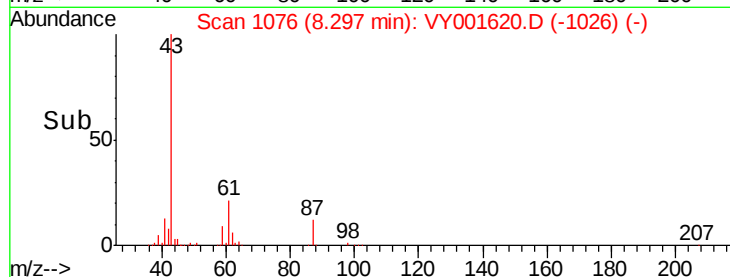
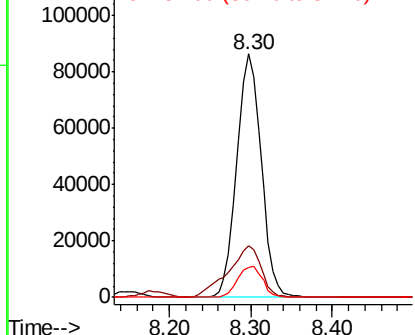
Isopropyl Acetate
 Concen: 58.943 ug/l
 RT: 8.30 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleID :

Tot Ion	43	Resp	178984
Ion Ratio	Lower	Upper	
43	100		
61	28.4	25.1	37.7
87	13.0	12.6	19.0



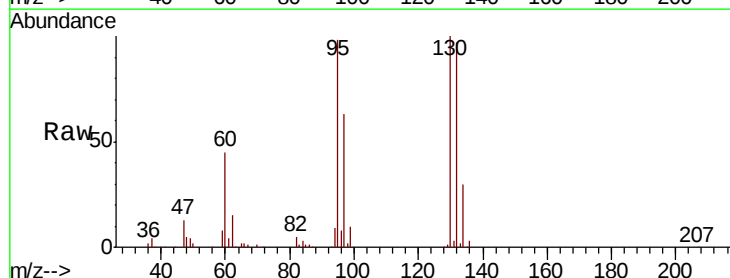
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



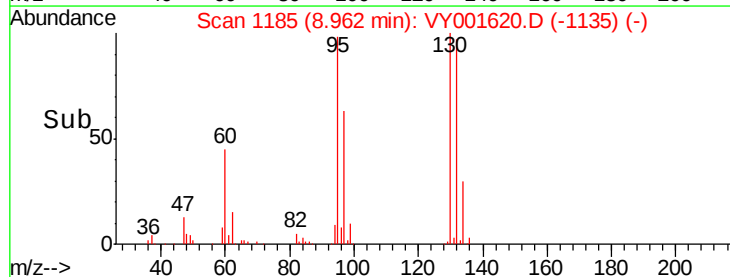
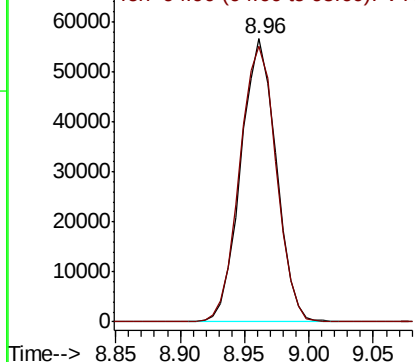
#44

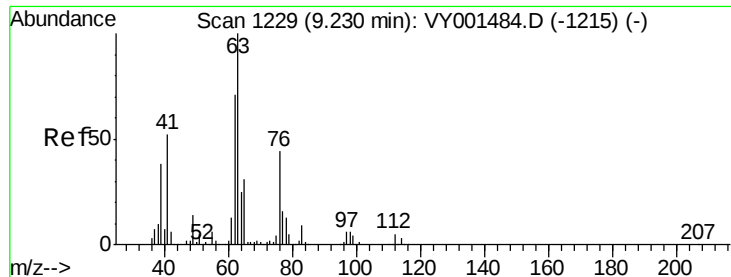
Trichloroethene
 Concen: 44.099 ug/l
 RT: 8.96 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion	130	Resp	107412
Ion Ratio	Lower	Upper	
130	100		
95	97.6	0.0	199.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VY0





#45

1,2-Dichloropropane

Concen: 51.185 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

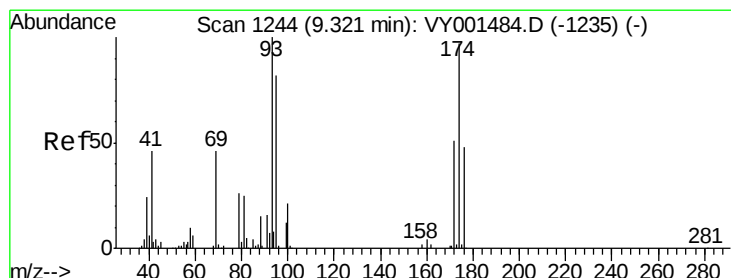
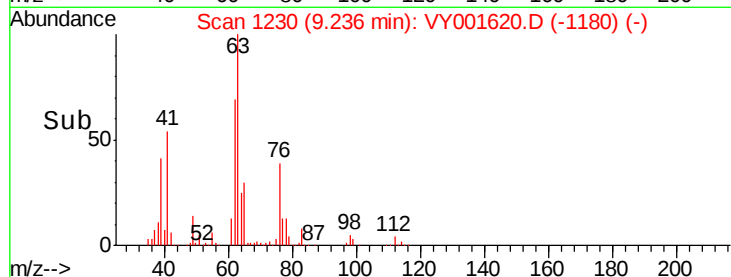
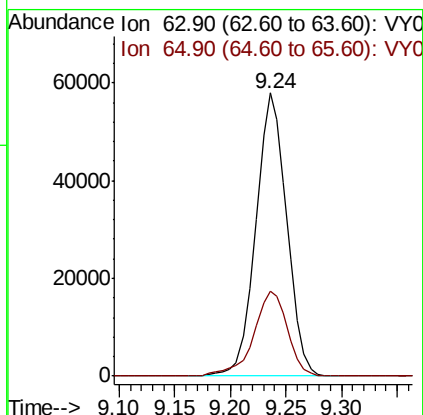
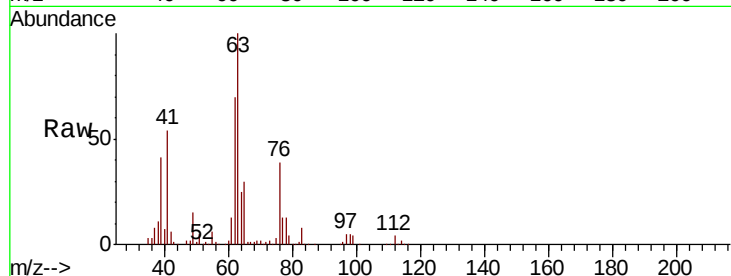
ClientSampleId :

Tot Ion: 63 Resp: 111687

Ion Ratio Lower Upper

63 100

65 29.8 25.0 37.4



#46

Dibromomethane

Concen: 48.117 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

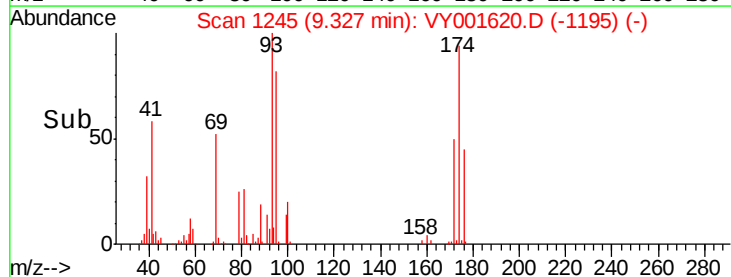
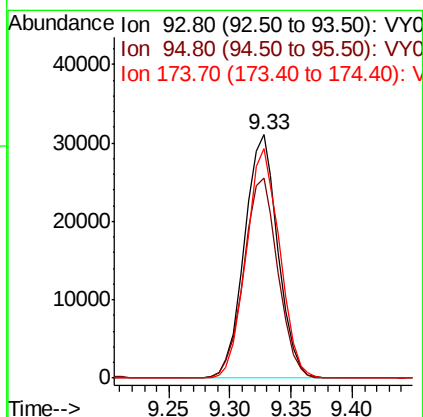
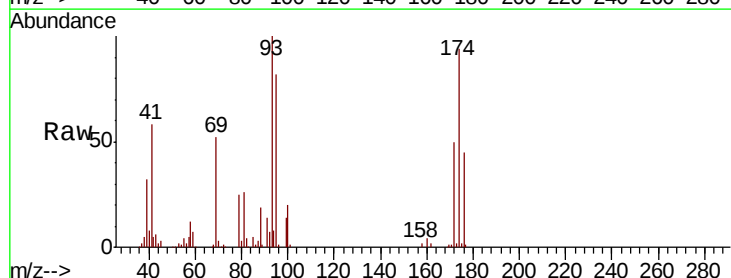
Tgt Ion: 93 Resp: 58957

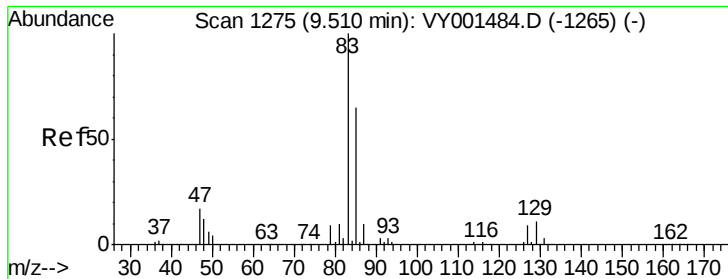
Ion Ratio Lower Upper

93 100

95 83.6 66.6 99.8

174 94.6 75.4 113.2

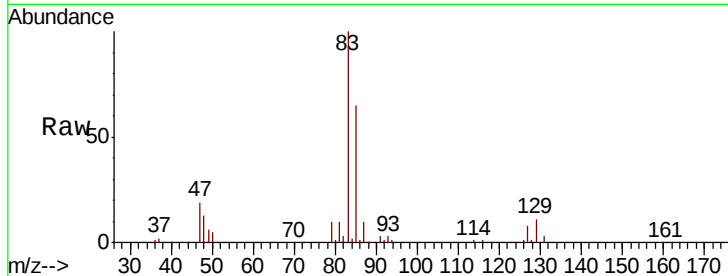




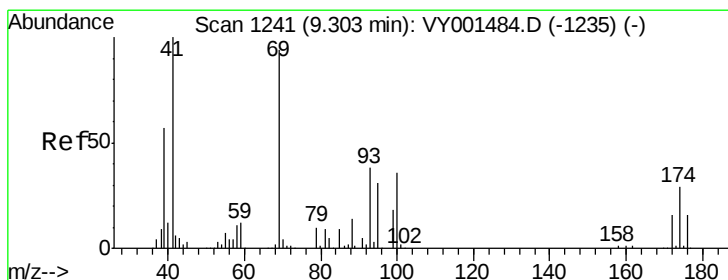
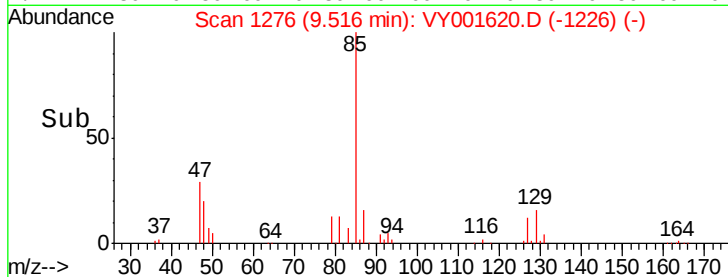
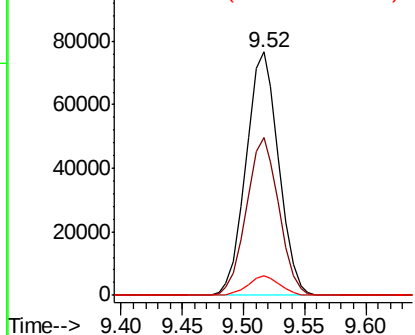
#47
 Bromodichloromethane
 Concen: 47.533 ug/l
 RT: 9.52 min Scan# 1276
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	83	Resp	141904
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.9	77.9
127	7.9	6.9	10.3

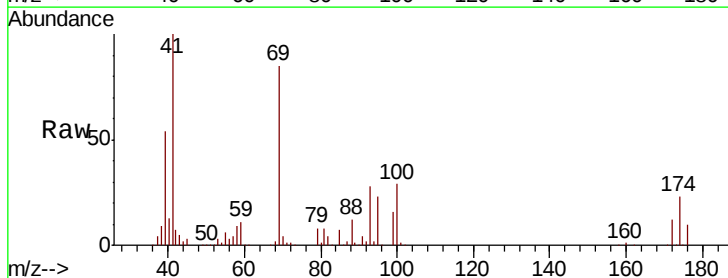


Abundance Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 126.80 (126.50 to 127.50): V

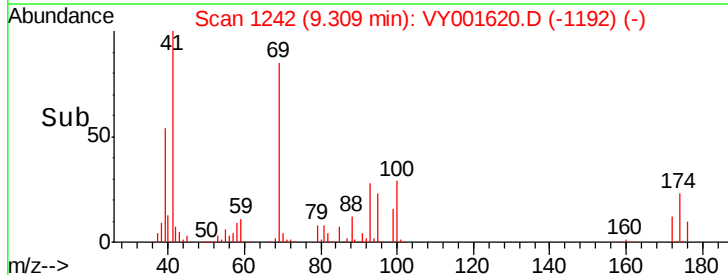
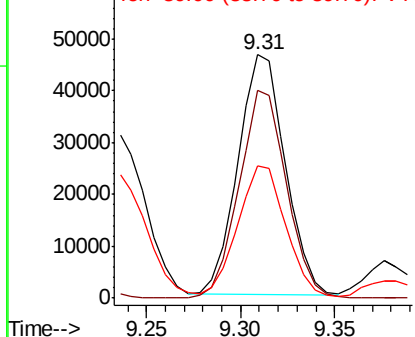


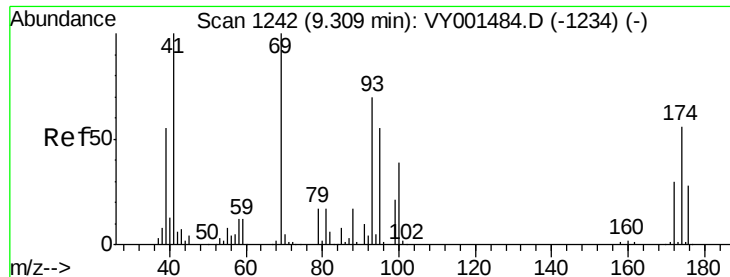
#48
 Methyl methacrylate
 Concen: 58.735 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion	41	Resp	80947
Ion Ratio	Lower	Upper	
41	100		
69	86.7	76.6	114.8
39	56.3	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

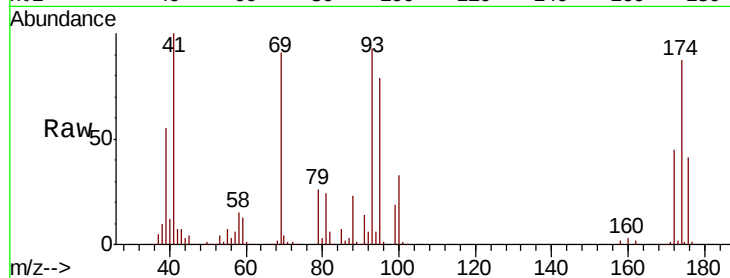




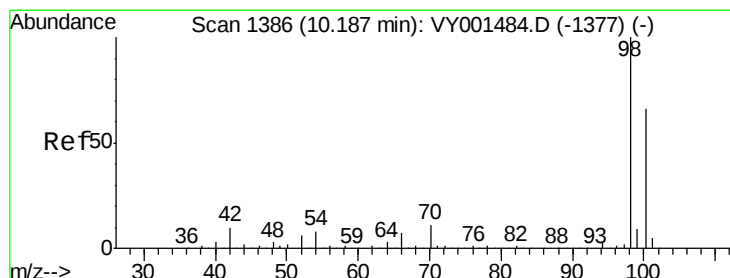
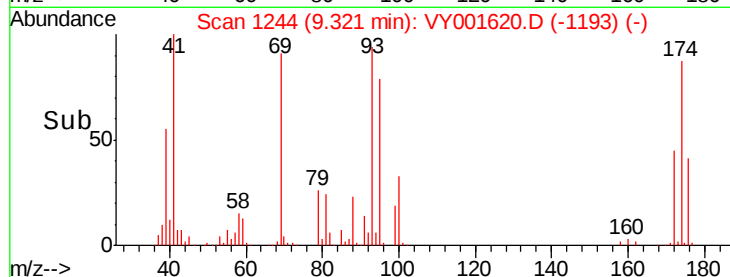
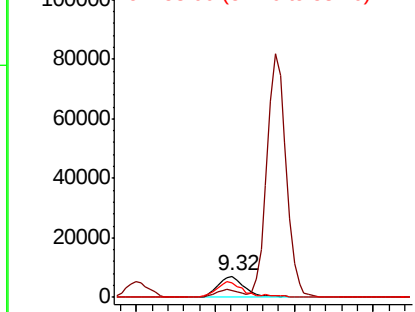
#49
1,4-Dioxane
Concen: 1061.081 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 88 Resp: 17170
Ion Ratio Lower Upper
88 100
43 31.9 24.8 37.2
58 66.4 59.3 88.9

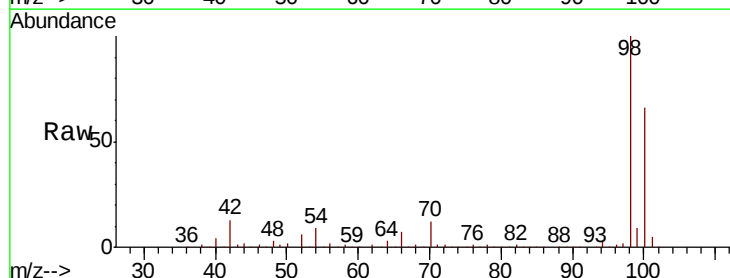


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

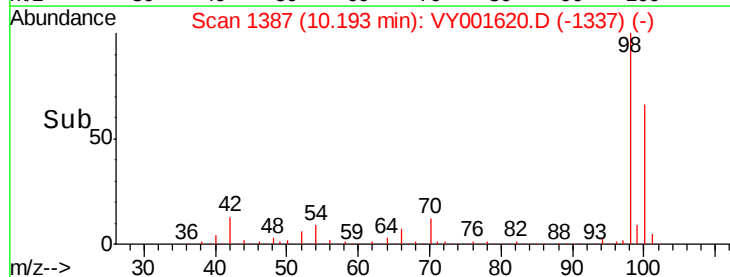
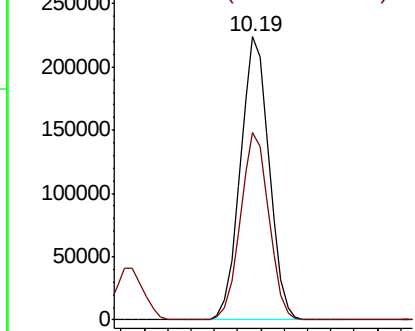


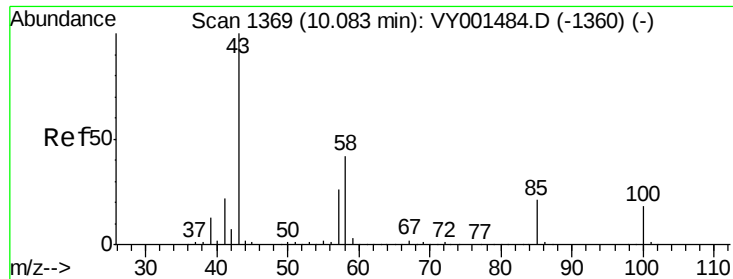
#50
Toluene-d8
Concen: 50.857 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 98 Resp: 384248
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

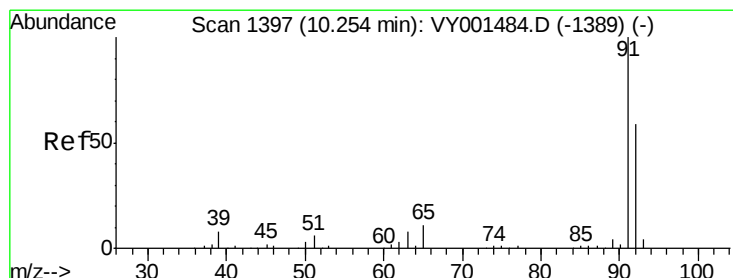
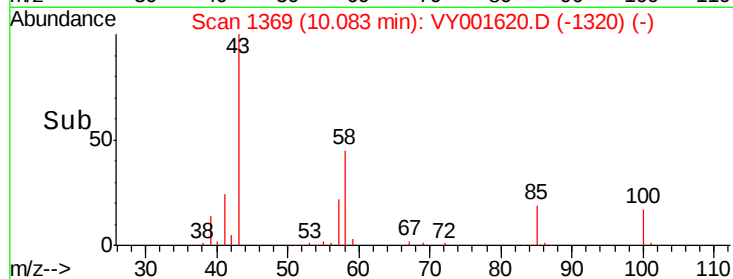
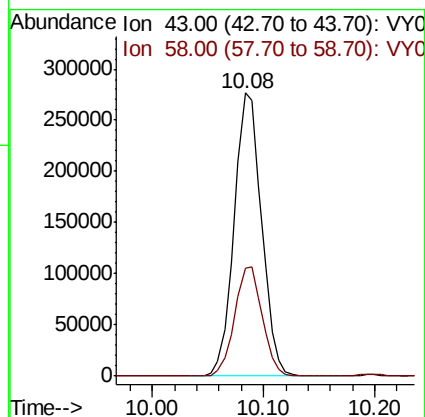
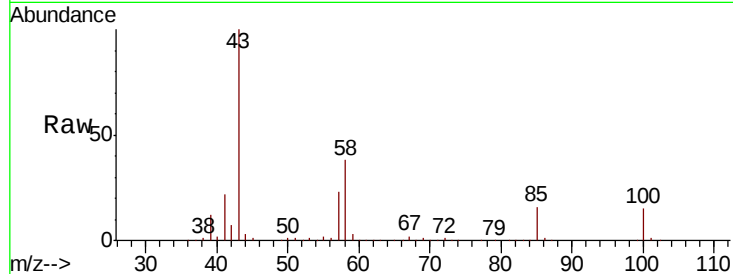




#51
4-Methyl-2-Pentanone
Concen: 315.038 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

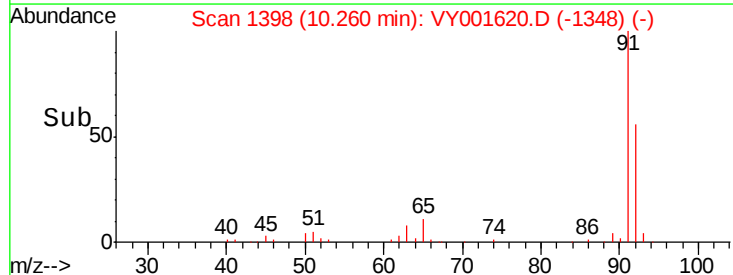
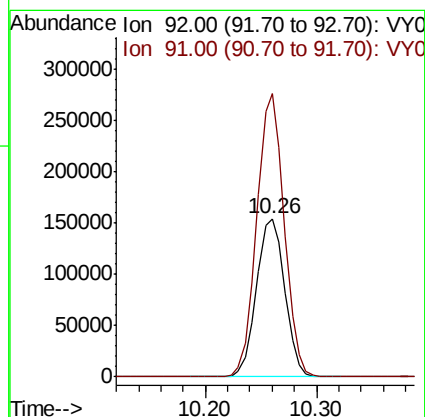
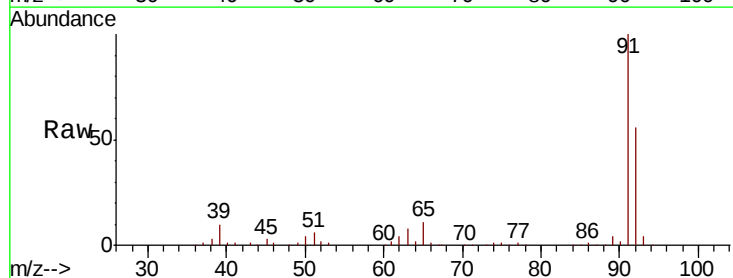
Instrument :
MSVOA_Y
ClientSampleId :

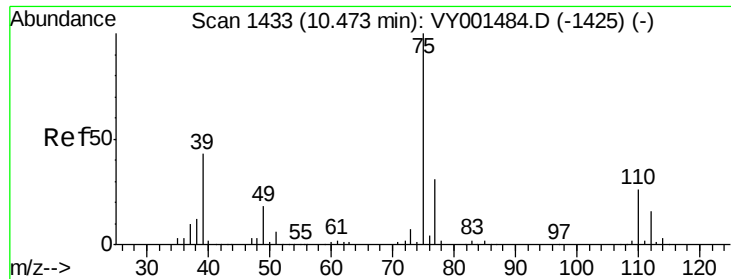
Tot Ion: 43 Resp: 471110
Ion Ratio Lower Upper
43 100
58 38.9 33.9 50.9



#52
Toluene
Concen: 47.616 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 92 Resp: 273013
Ion Ratio Lower Upper
92 100
91 173.6 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 48.464 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

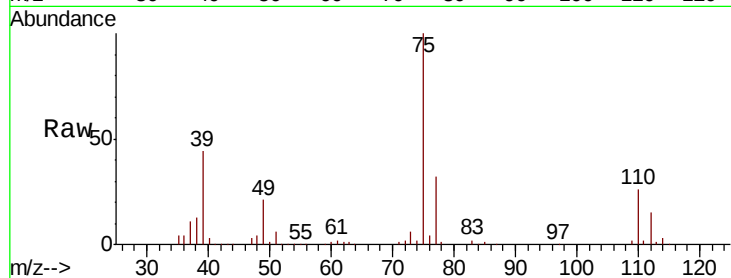
ClientSampled :

Tot Ion: 75 Resp: 157588

Ion Ratio Lower Upper

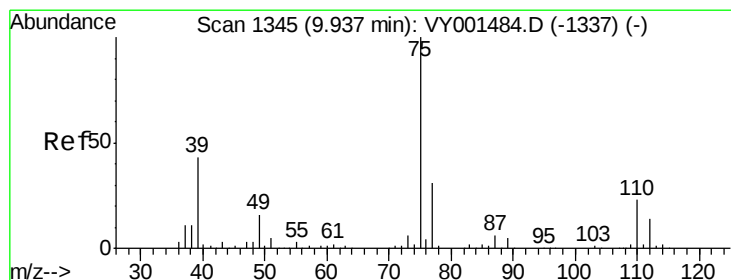
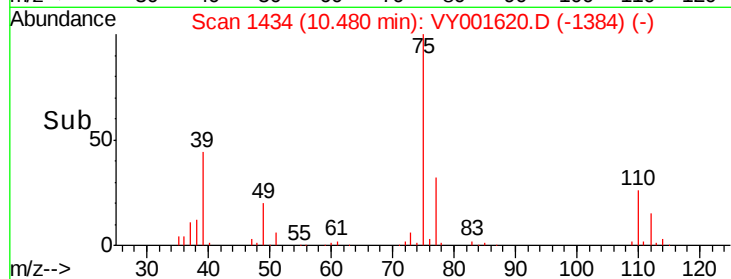
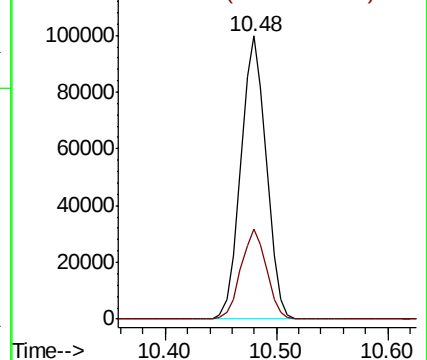
75 100

77 31.7 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 47.960 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

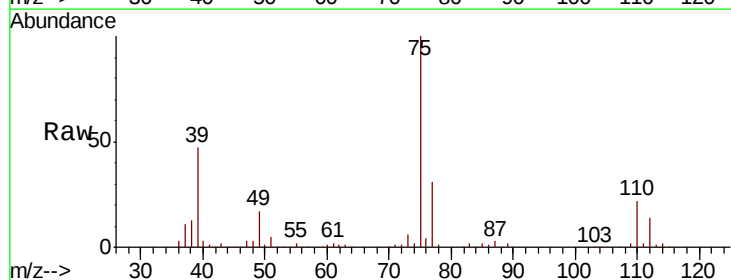
Tgt Ion: 75 Resp: 179036

Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1

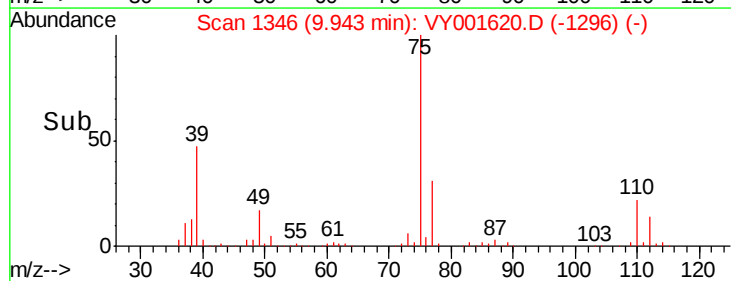
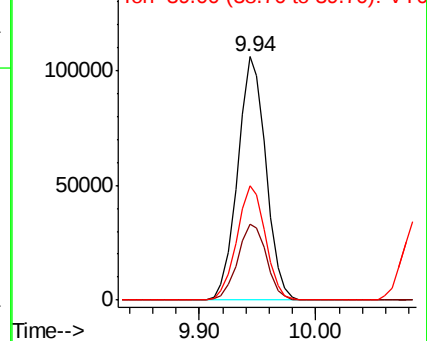
39 46.8 34.0 51.0

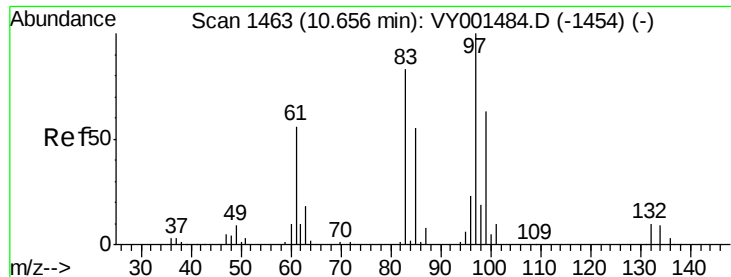


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

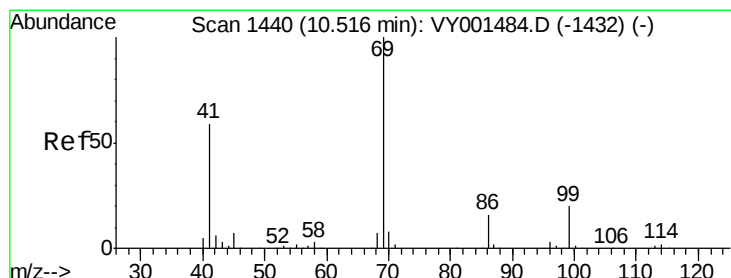
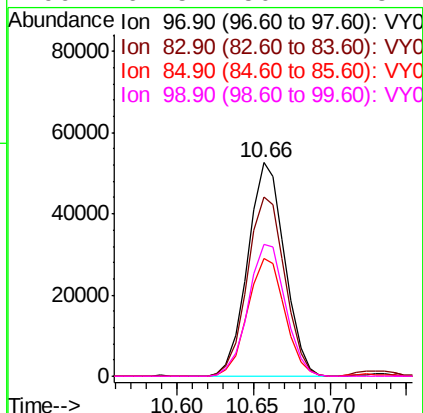
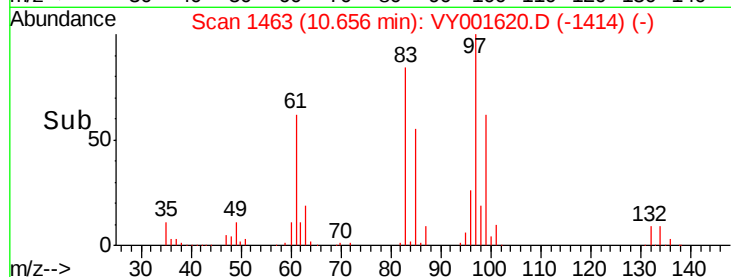
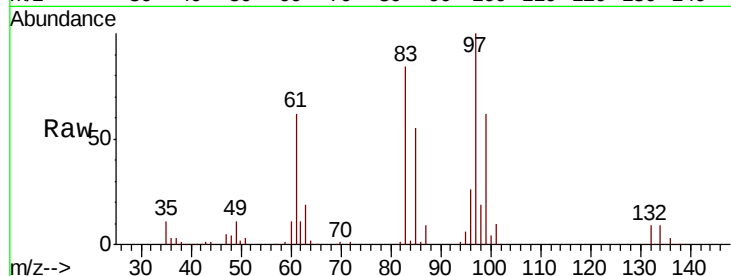




#55
 1,1,2-Trichloroethane
 Concen: 50.291 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

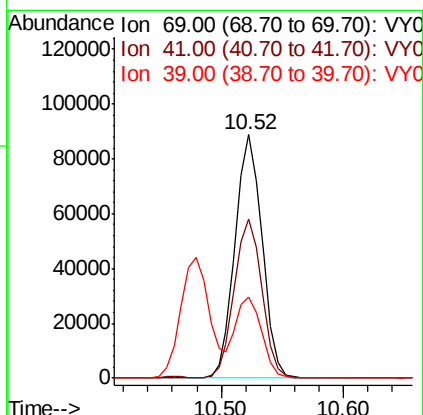
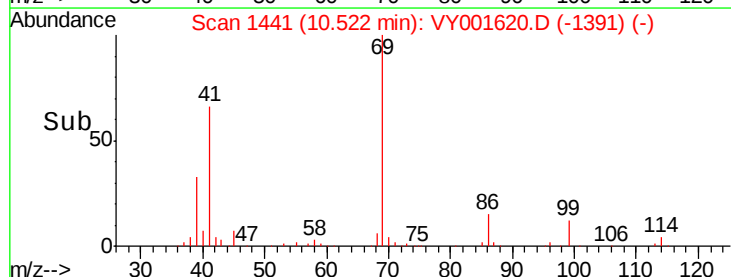
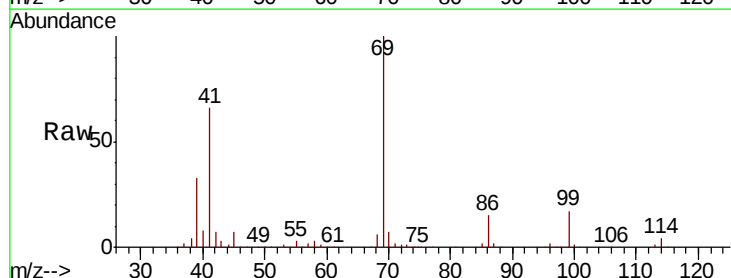
Instrument :
 MSVOA_Y
 ClientSampleId :

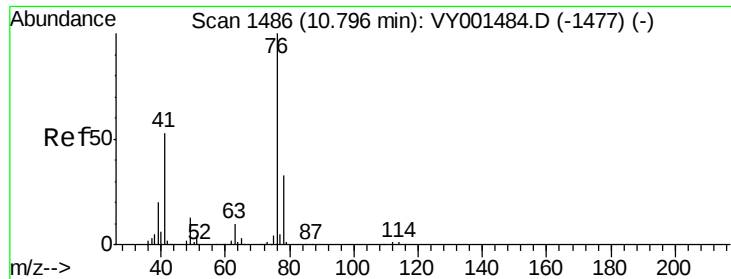
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.2	66.2	99.2	
85	55.3	43.8	65.6	
99	61.5	50.1	75.1	



#56
 Ethyl methacrylate
 Concen: 54.352 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	66.4	47.8	71.8	
39	31.9	24.4	36.6	

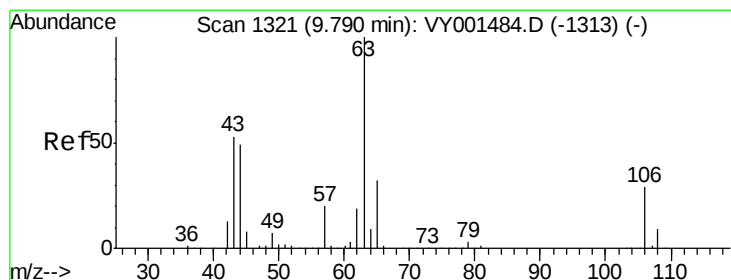
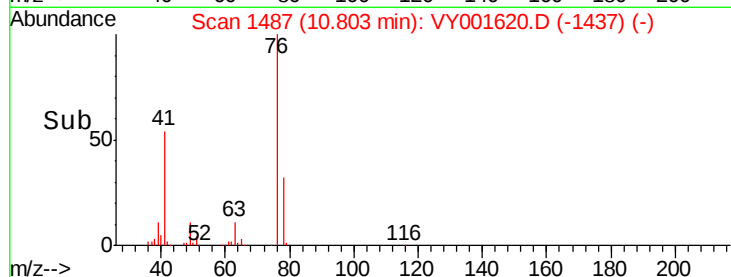
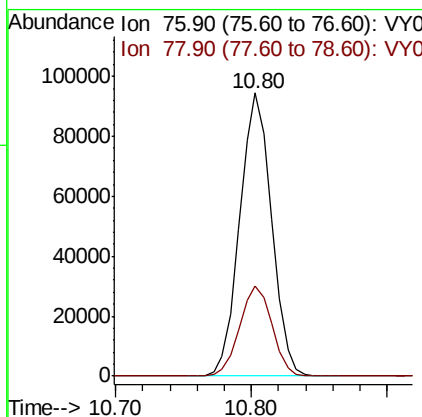
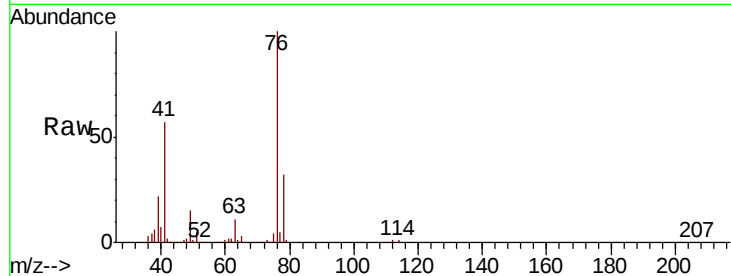




#57
 1,3-Dichloropropane
 Concen: 49.805 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

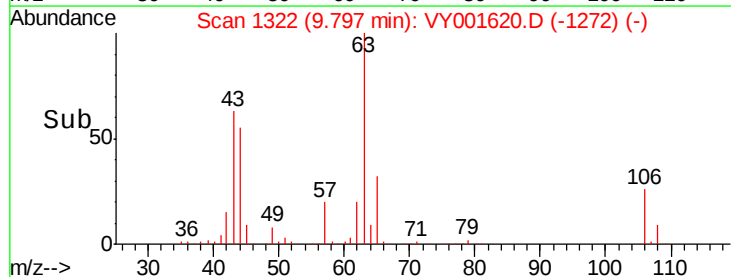
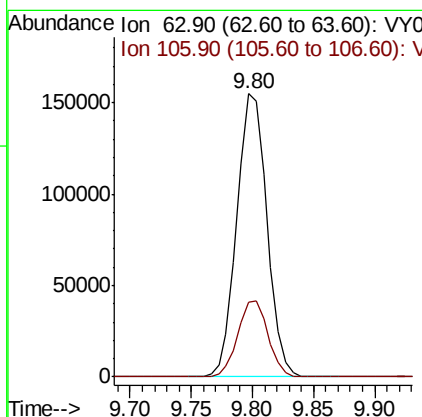
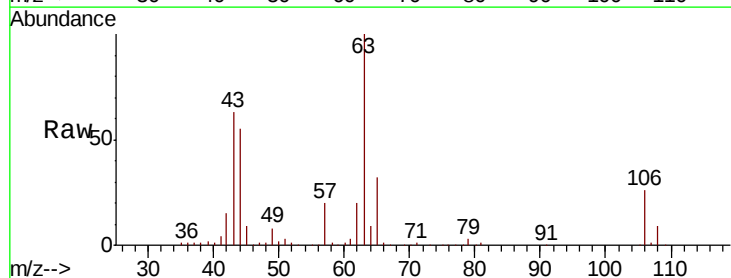
Instrument :
 MSVOA_Y
 ClientSampleId :

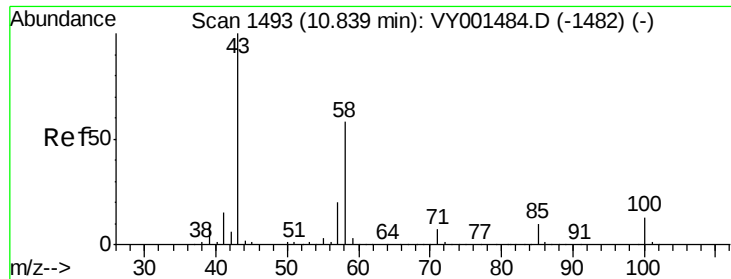
Tot Ion: 76 Resp: 154340
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.727 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion: 63 Resp: 264662
 Ion Ratio Lower Upper
 63 100
 106 26.8 24.0 36.0

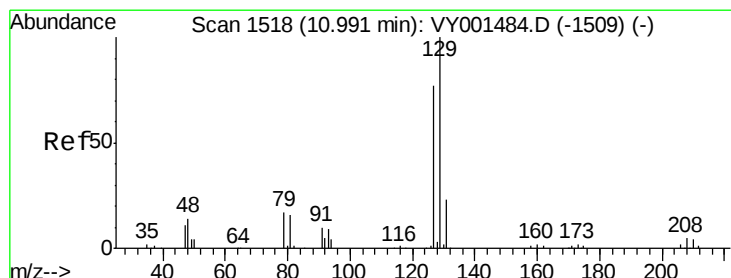
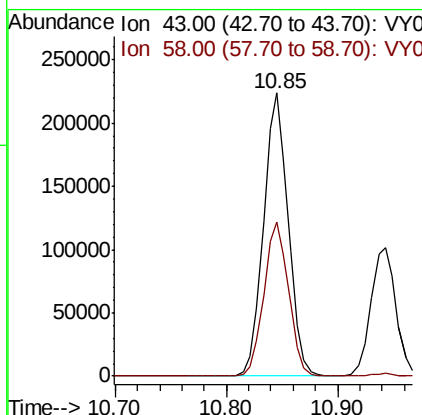
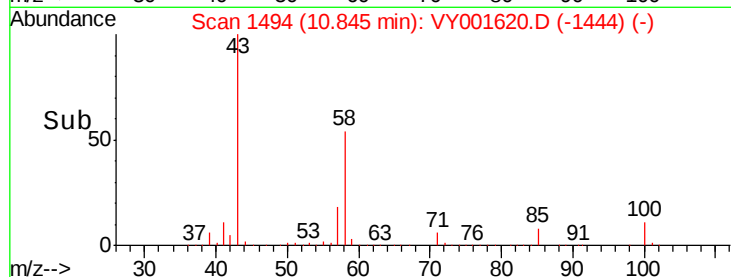
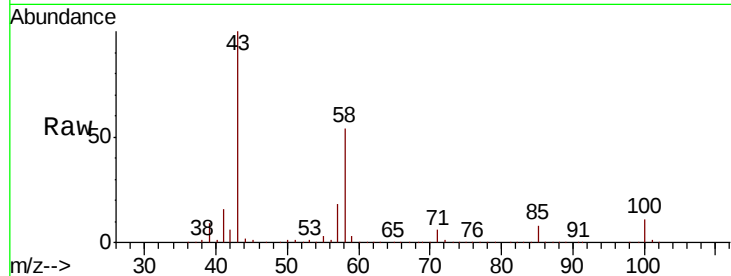




#59
2-Hexanone
Concen: 318.165 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

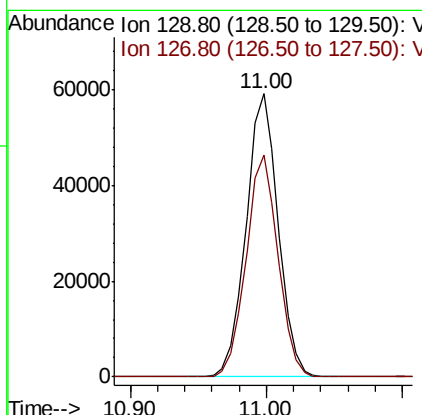
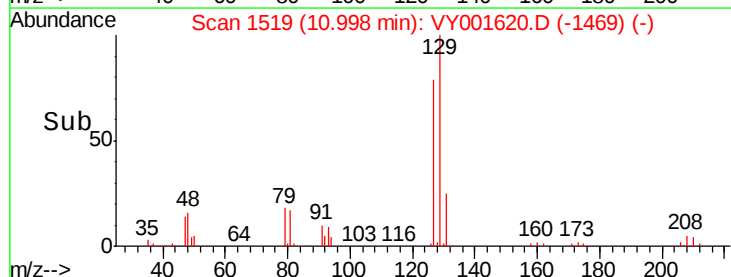
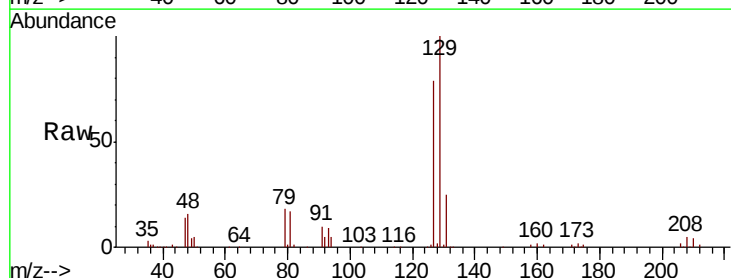
Instrument :
MSVOA_Y
ClientSampled :

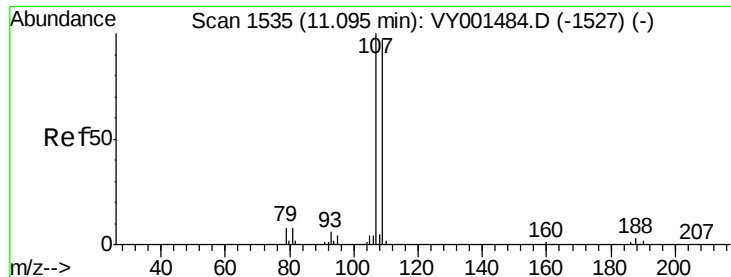
Tot Ion: 43 Resp: 345938
Ion Ratio Lower Upper
43 100
58 54.7 29.0 87.0



#60
Dibromochloromethane
Concen: 47.008 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 129 Resp: 97410
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 48.533 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

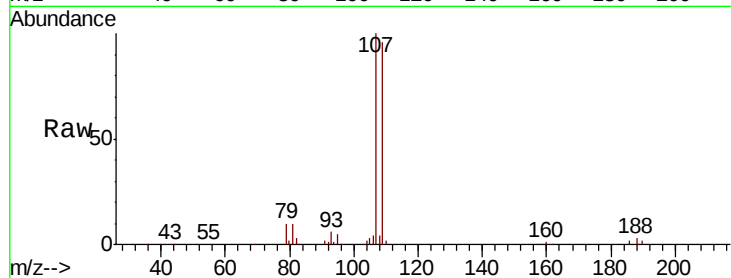
ClientSampled :

Tot Ion:107 Resp: 84035

Ion Ratio Lower Upper

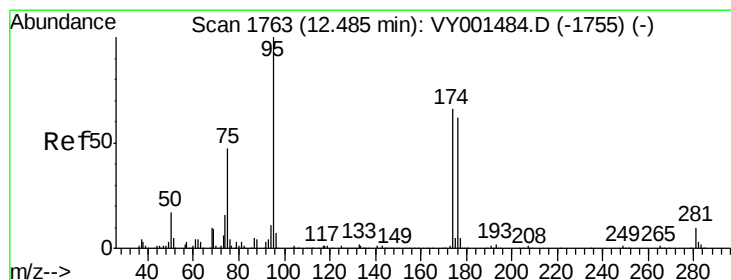
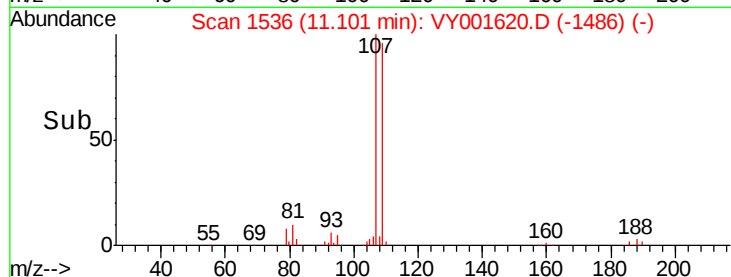
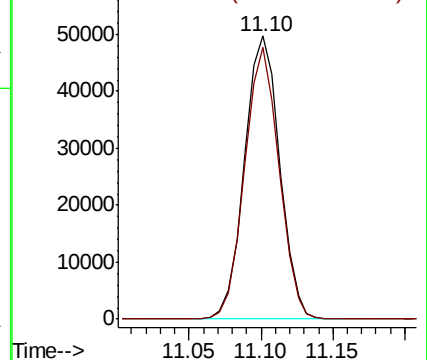
107 100

109 93.9 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.748 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

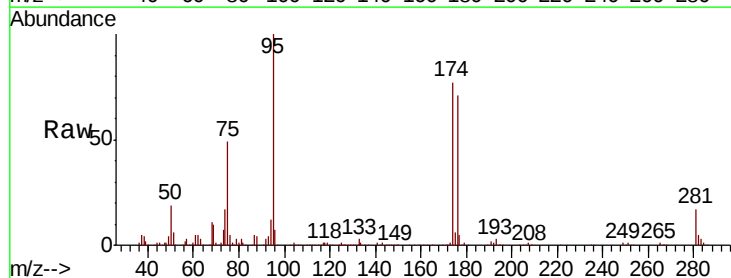
Tgt Ion: 95 Resp: 142117

Ion Ratio Lower Upper

95 100

174 73.8 0.0 141.4

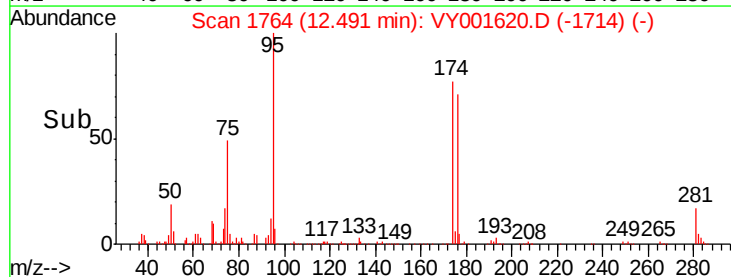
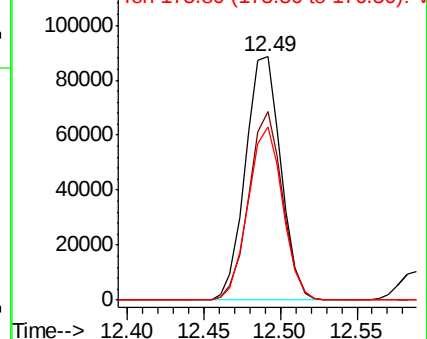
176 70.0 0.0 135.4

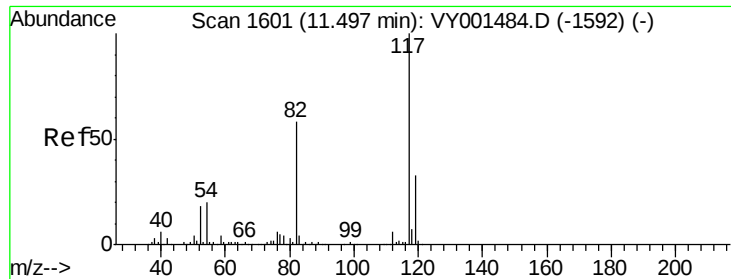


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

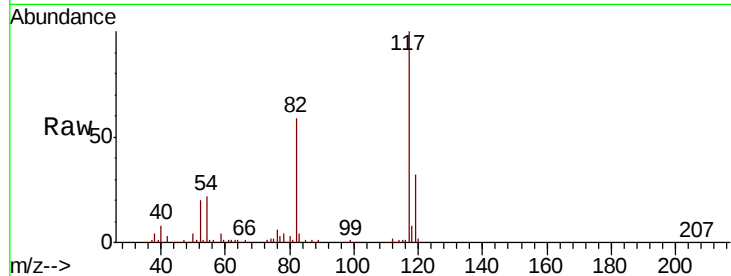




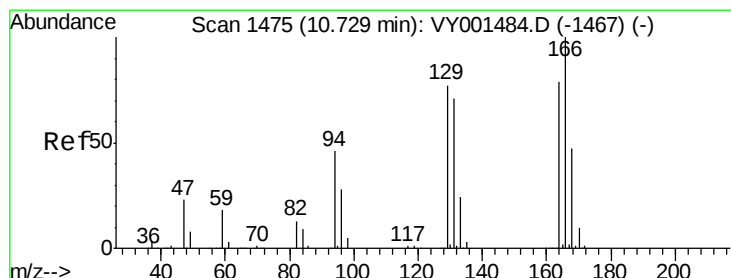
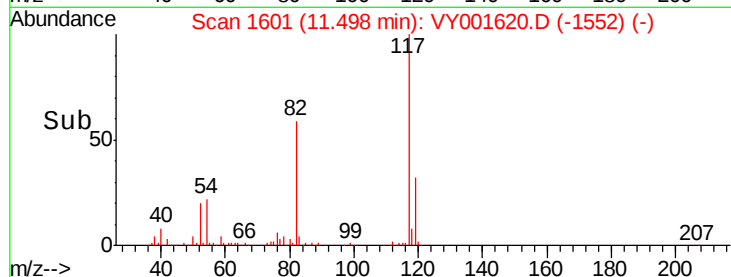
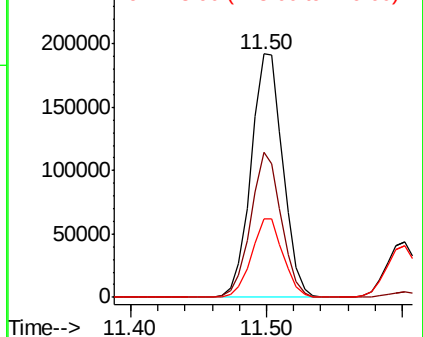
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 314937
Ion Ratio Lower Upper
117 100
82 59.3 46.1 69.1
119 32.3 26.1 39.1

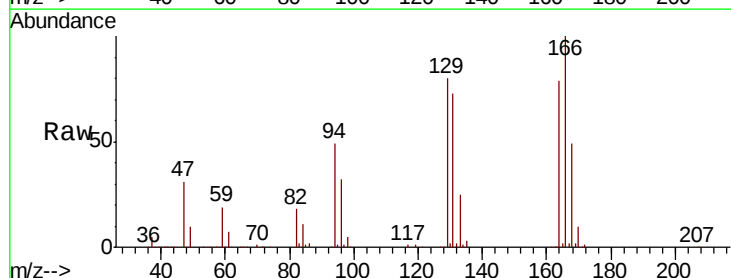


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

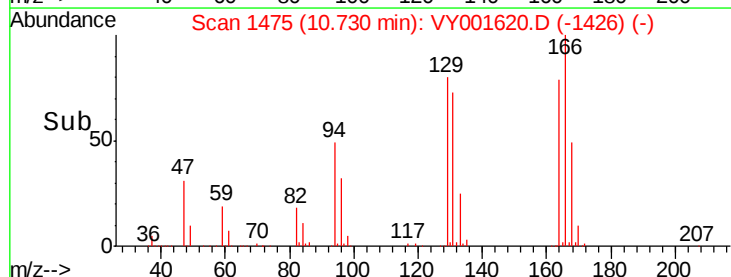
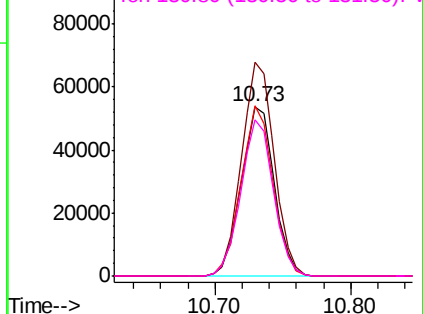


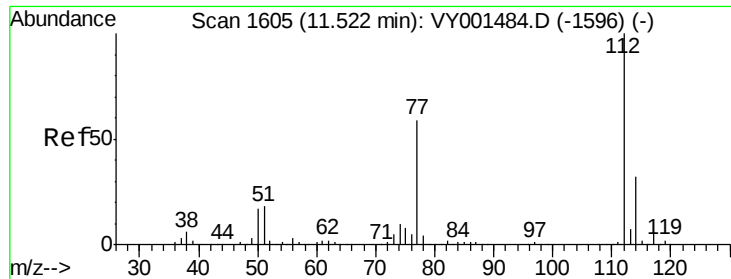
#64
Tetrachloroethene
Concen: 43.993 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion:164 Resp: 90863
Ion Ratio Lower Upper
164 100
166 126.2 100.8 151.2
129 100.6 77.8 116.6
131 92.1 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

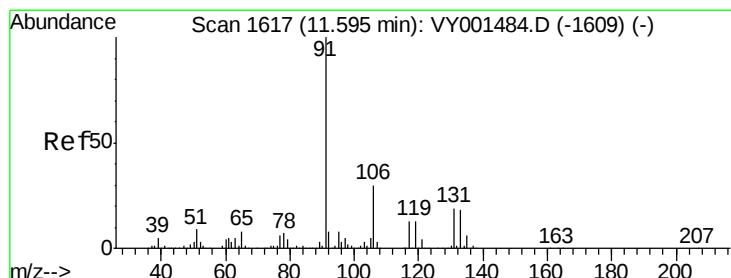
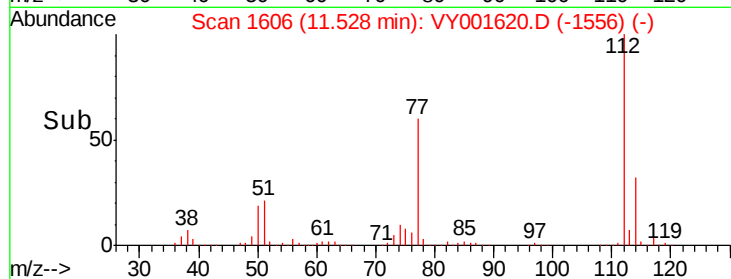
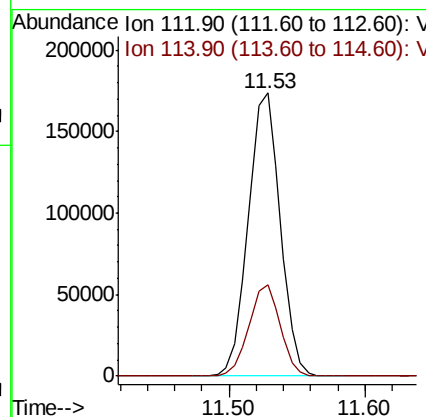
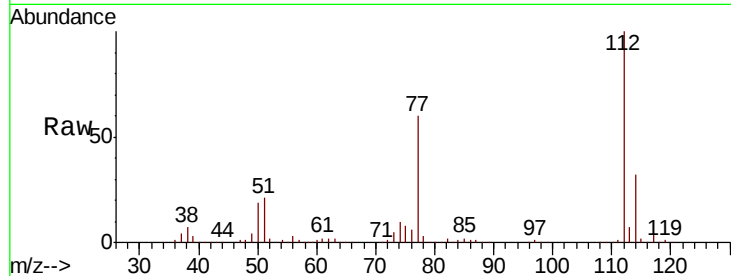




#65
Chlorobenzene
Concen: 46.144 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

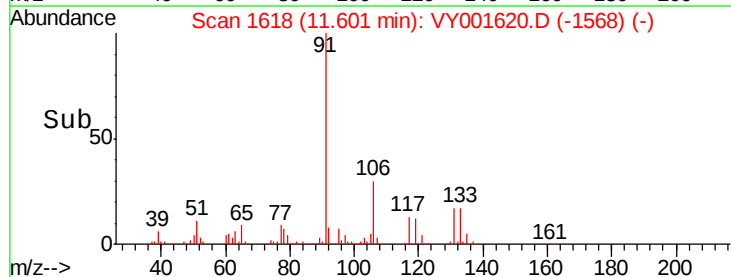
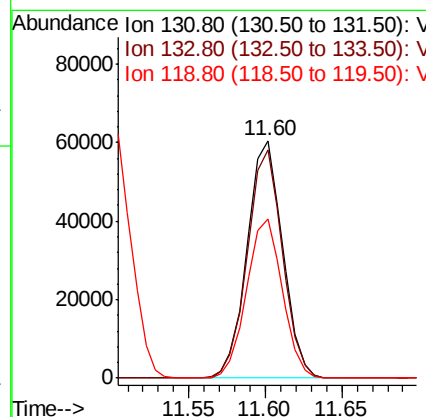
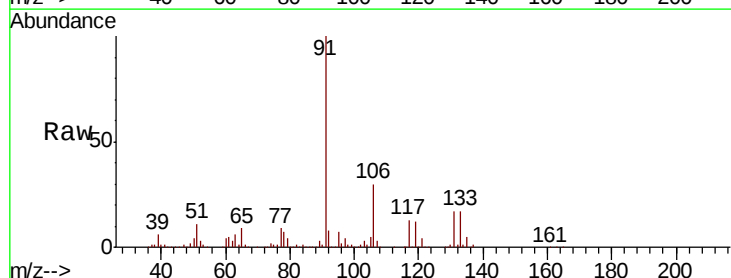
Instrument :
MSVOA_Y
ClientSampleId :

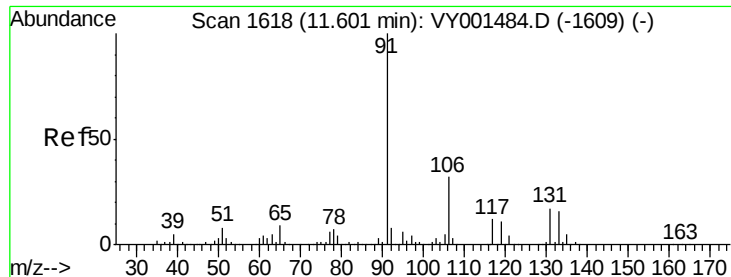
Tot Ion:112 Resp: 285343
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 45.082 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion:131 Resp: 97570
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.8
119 67.6 33.7 101.0

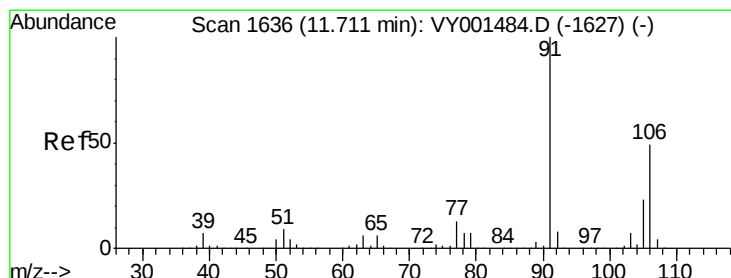
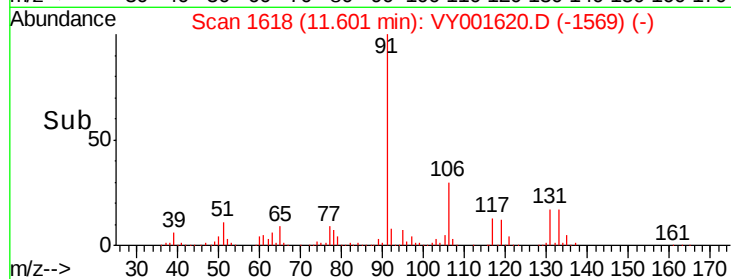
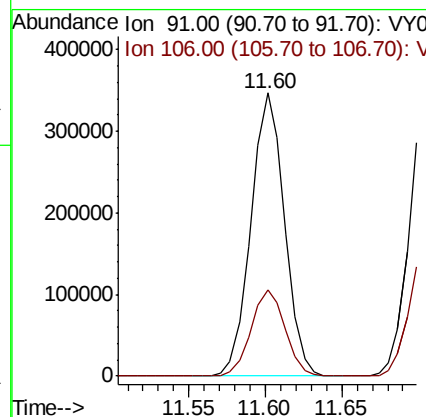
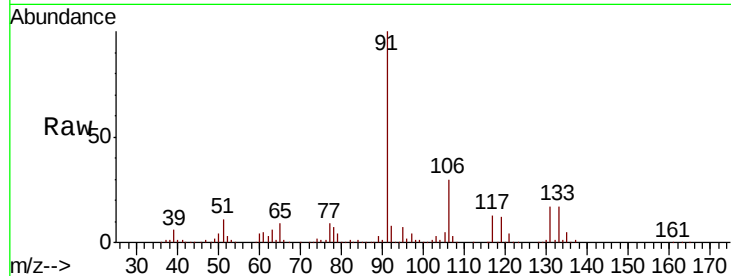




#67
Ethyl Benzene
Concen: 46.125 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

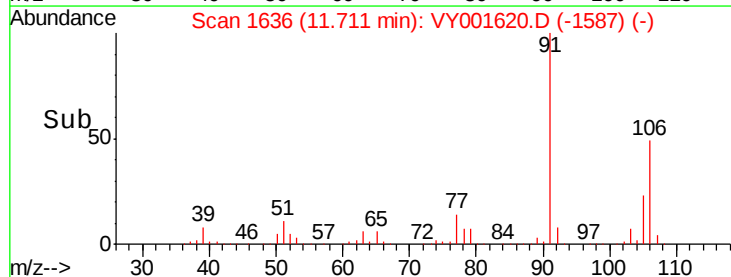
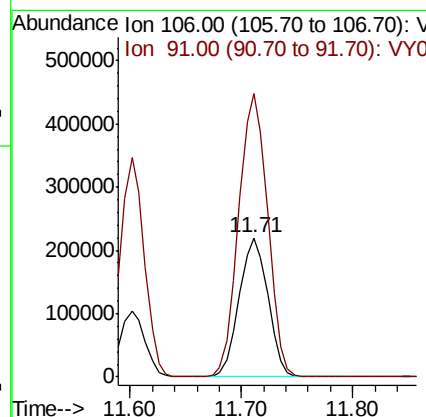
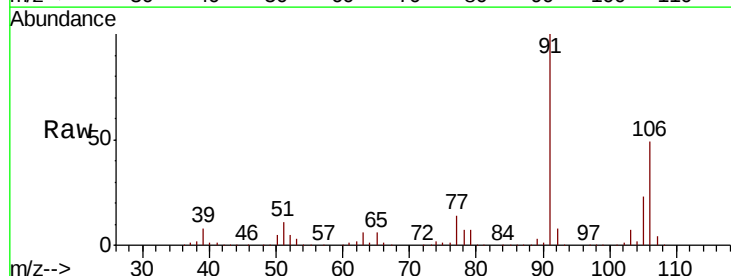
Instrument :
MSVOA_Y
ClientSampled :

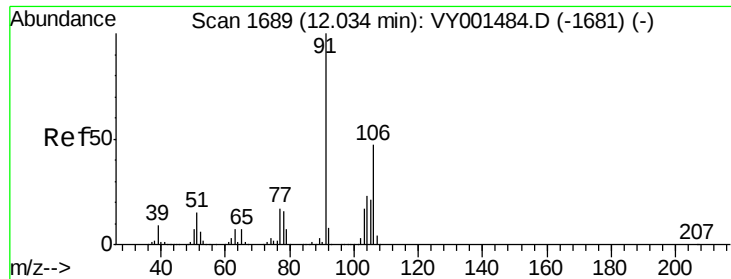
Tot Ion: 91 Resp: 527376
Ion Ratio Lower Upper
91 100
106 30.3 25.3 37.9



#68
m/p-Xylenes
Concen: 91.670 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion: 106 Resp: 393468
Ion Ratio Lower Upper
106 100
91 205.0 163.6 245.4

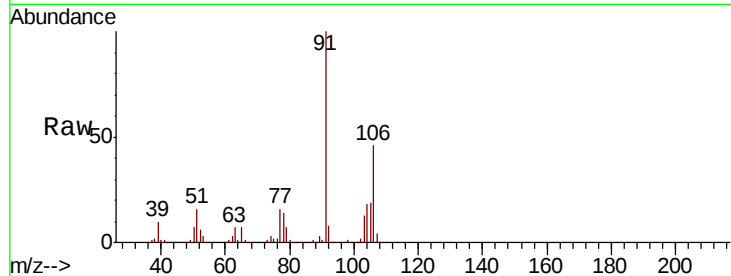




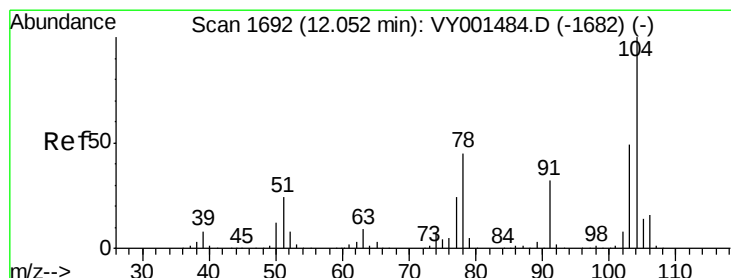
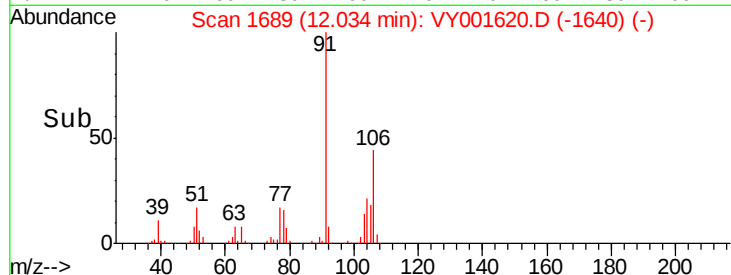
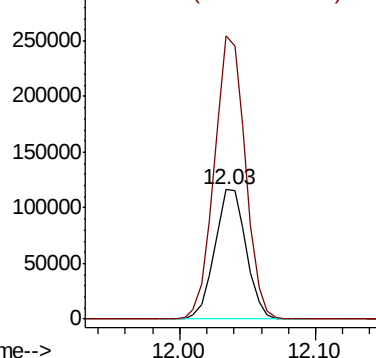
#69
o-Xylene
Concen: 46.574 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 188482
Ion Ratio Lower Upper
106 100
91 214.8 106.0 318.0

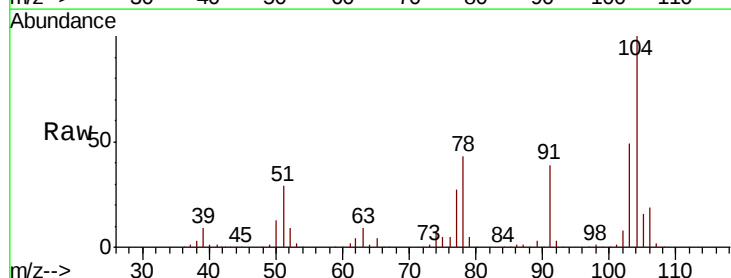


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

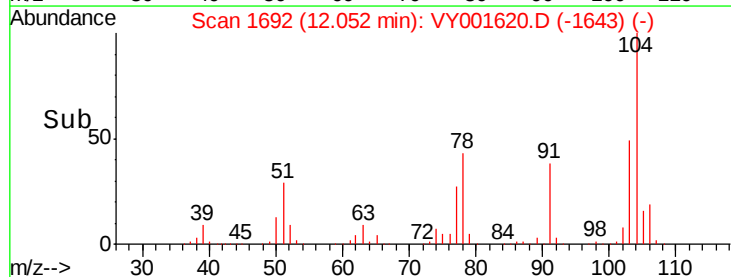
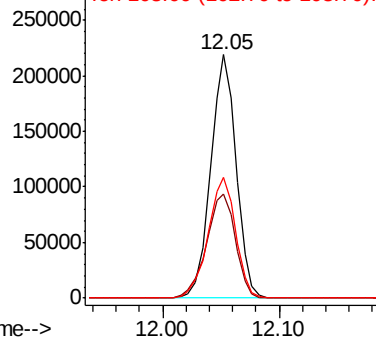


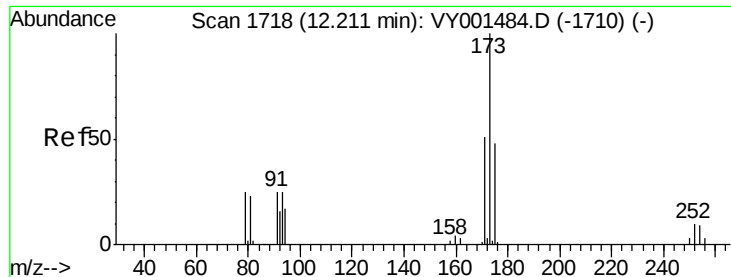
#70
Styrene
Concen: 47.480 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion:104 Resp: 332289
Ion Ratio Lower Upper
104 100
78 48.8 40.4 60.6
103 53.6 42.8 64.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 47.890 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

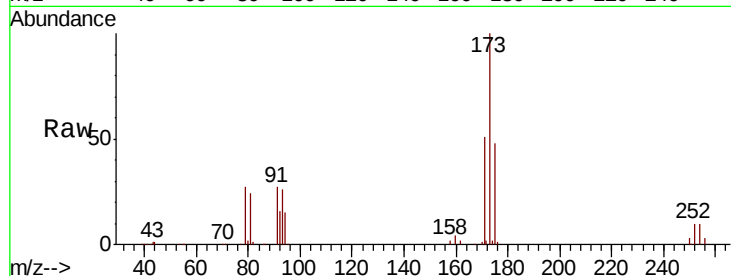
Tot Ion:173 Resp: 57713

Ion Ratio Lower Upper

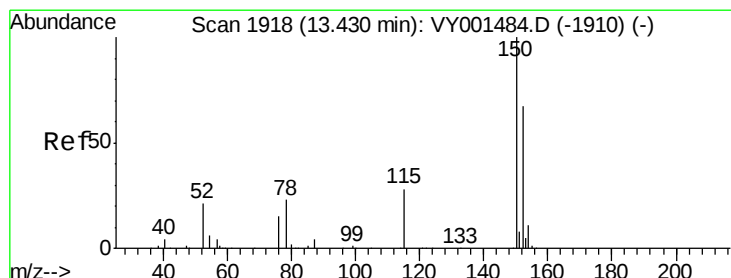
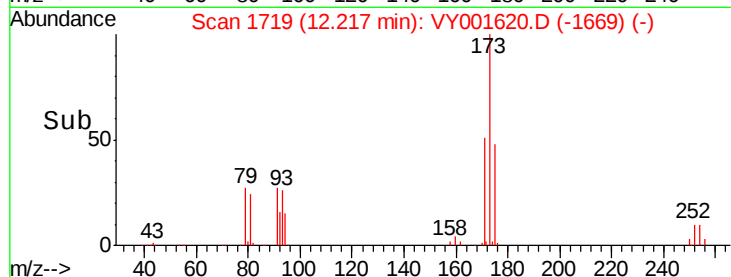
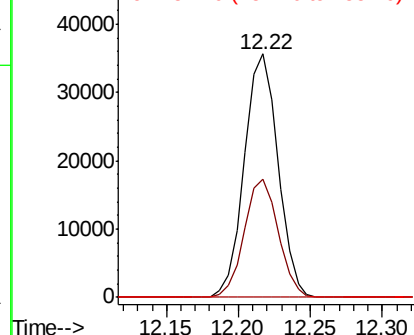
173 100

175 48.9 24.0 72.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

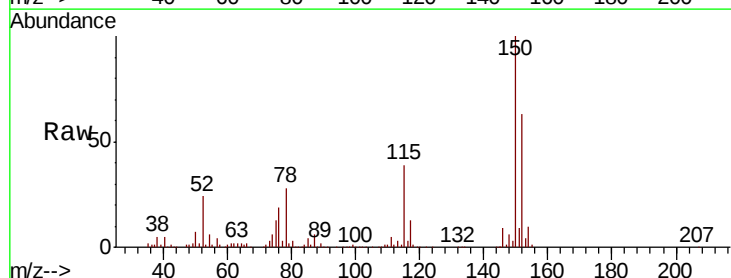
Tgt Ion:152 Resp: 149743

Ion Ratio Lower Upper

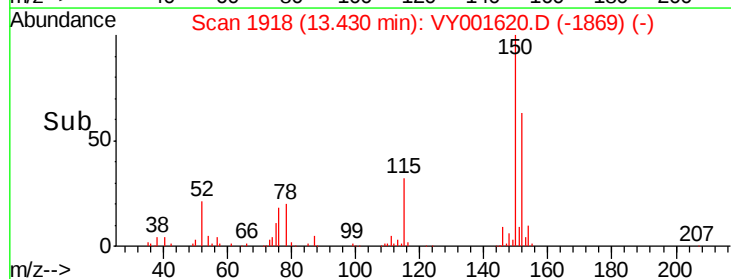
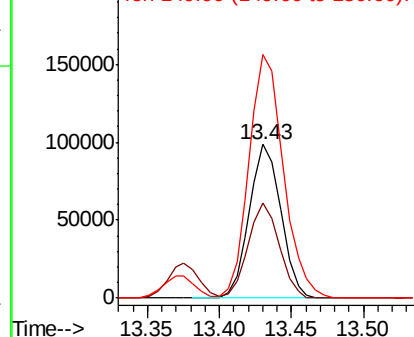
152 100

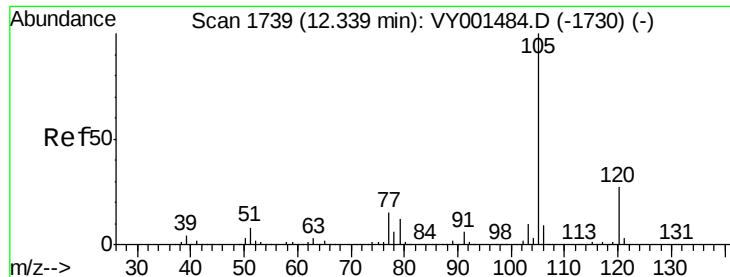
115 61.1 31.4 94.3

150 172.4 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: 44.379 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

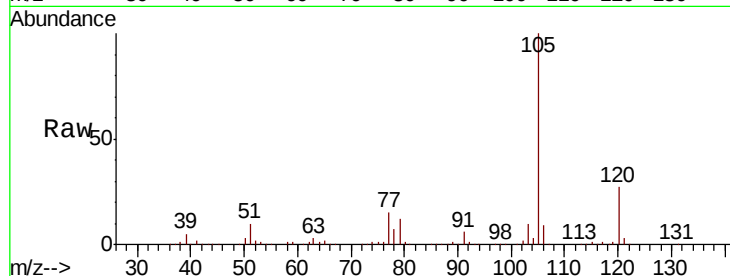
ClientSampleId :

Tot Ion:105 Resp: 506840

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.34

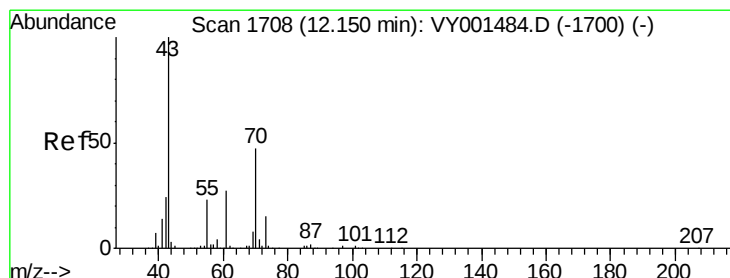
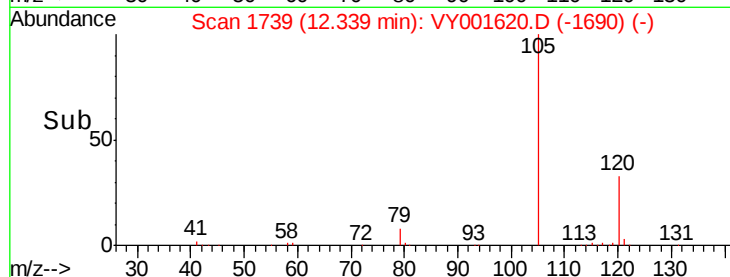
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 58.582 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Tgt Ion: 43 Resp: 173855

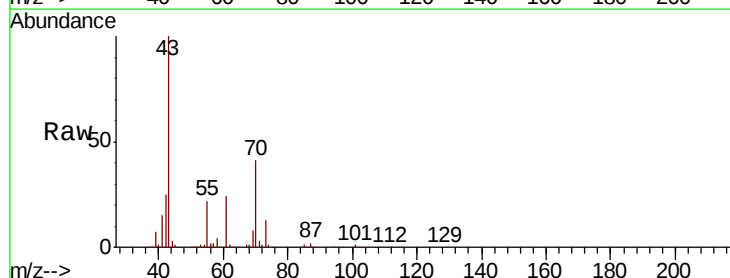
Ion Ratio Lower Upper

43 100

70 42.1 37.2 55.8

55 22.7 18.8 28.2

61 24.2 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

200000

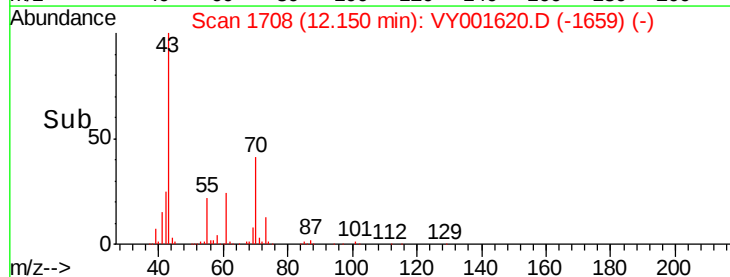
150000

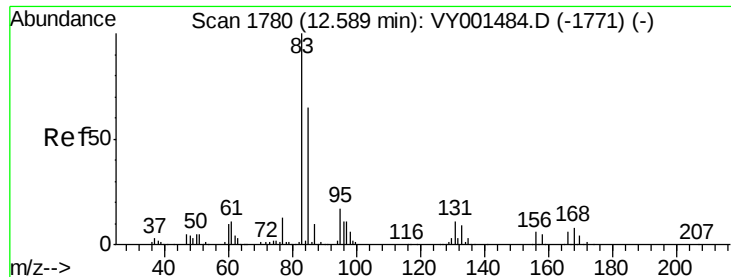
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.492 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

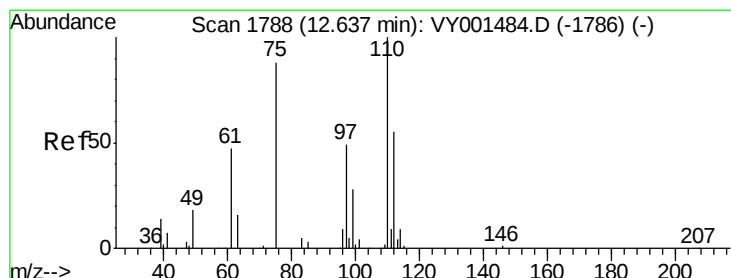
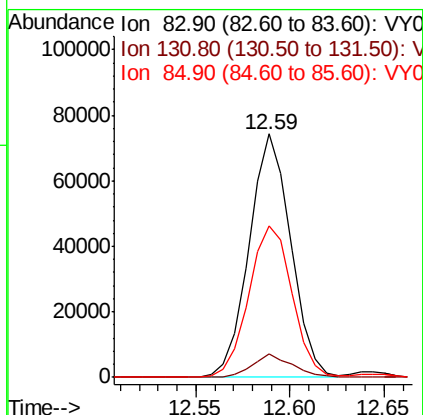
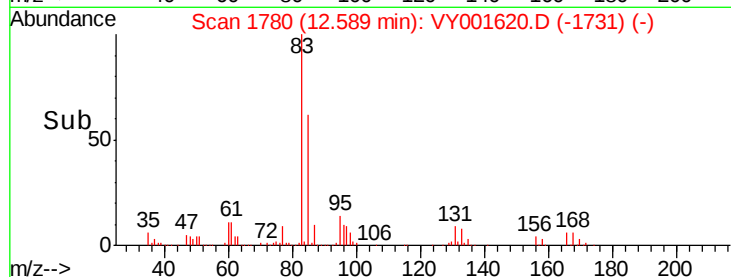
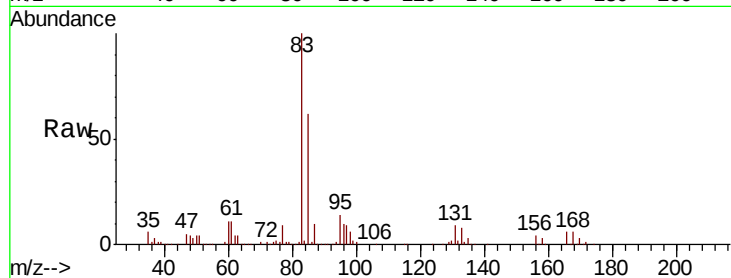
Tot Ion: 83 Resp: 113898

Ion Ratio Lower Upper

83 100

131 9.2 5.4 16.2

85 64.5 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 91.078 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY001620.D

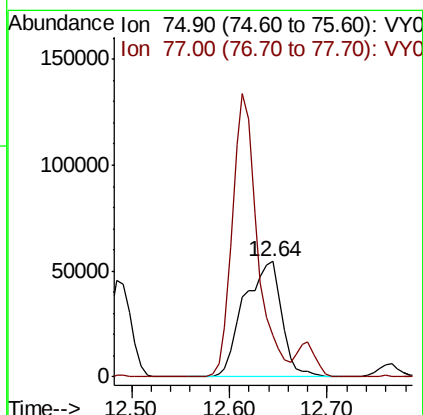
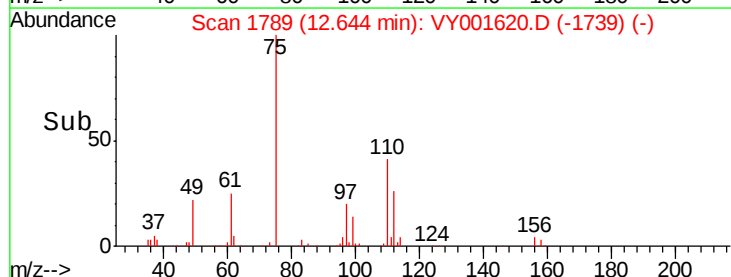
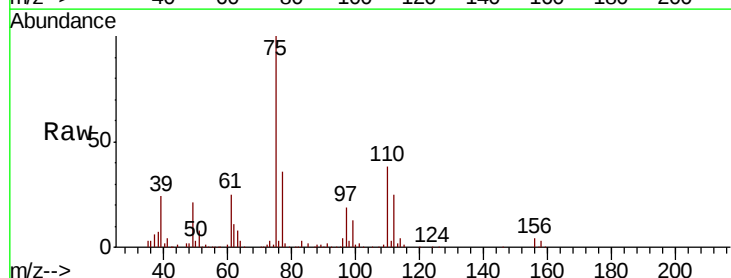
Acq: 12 Feb 2020 19:03

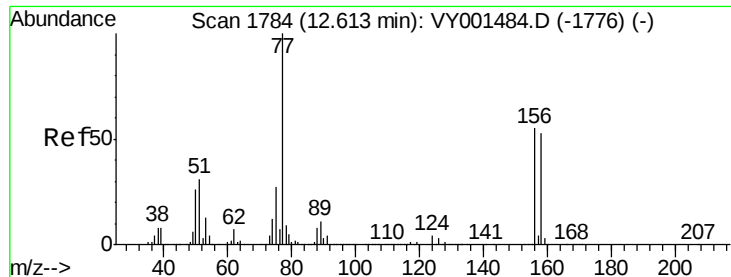
Tgt Ion: 75 Resp: 146666

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 45.568 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampled :

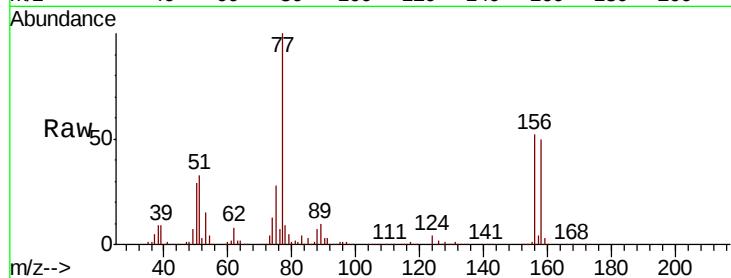
Tot Ion:156 Resp: 112623

Ion Ratio Lower Upper

156 100

77 212.9 99.8 299.3

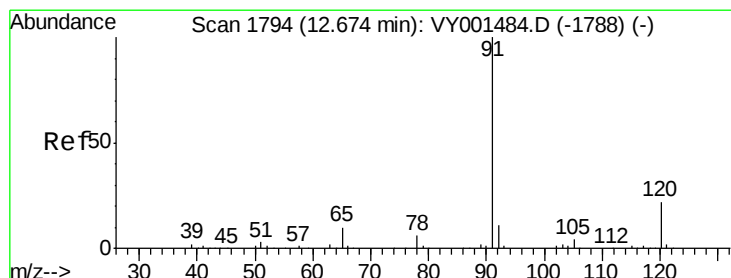
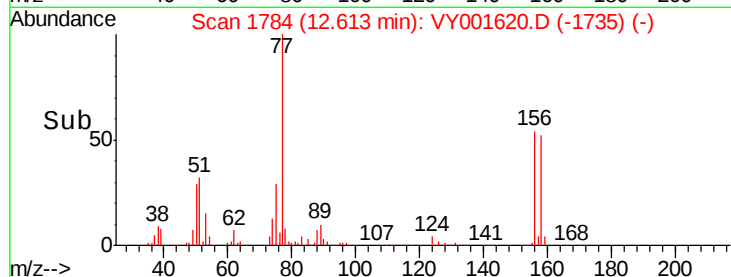
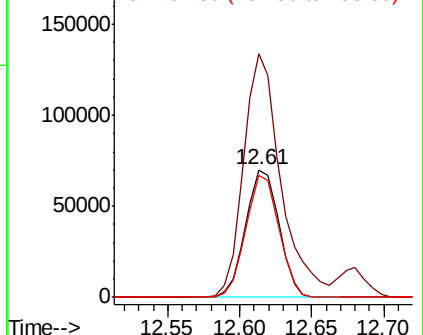
158 95.2 47.5 142.6



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: 45.446 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001620.D

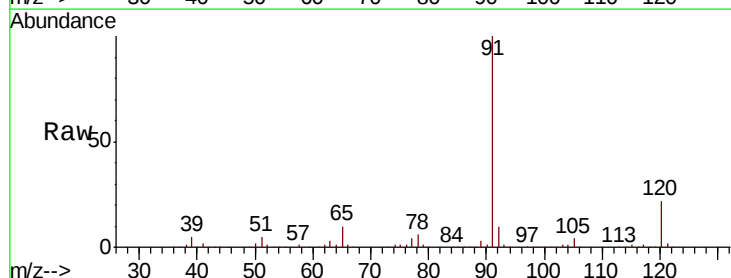
Acq: 12 Feb 2020 19:03

Tgt Ion: 91 Resp: 621349

Ion Ratio Lower Upper

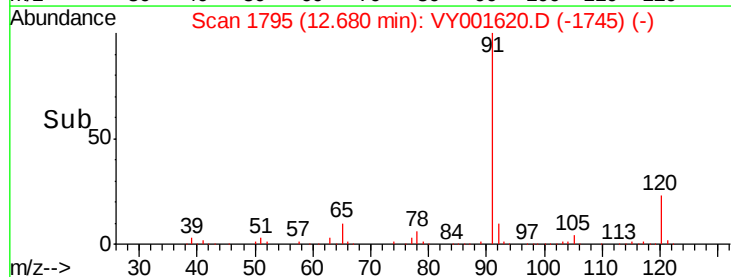
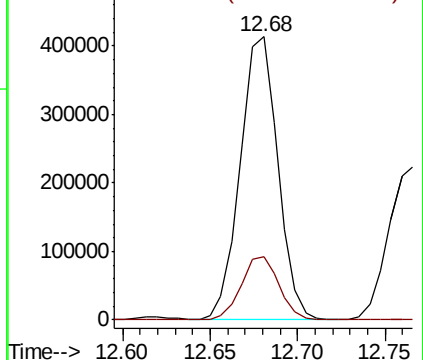
91 100

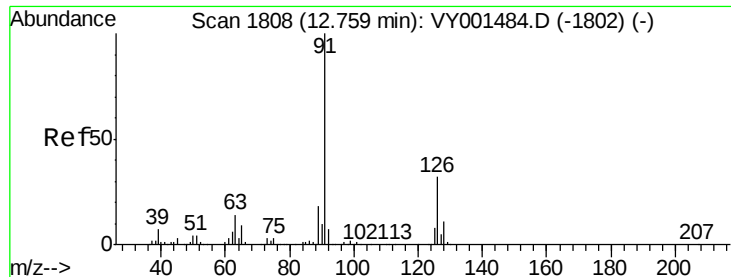
120 22.7 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.916 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

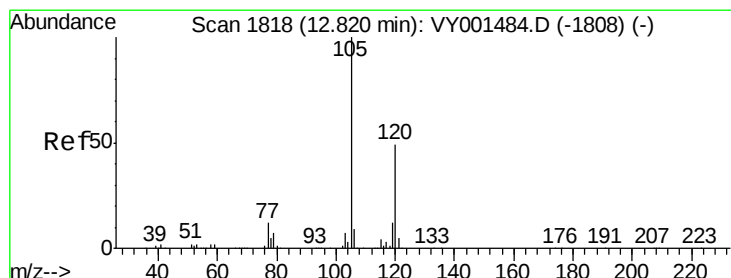
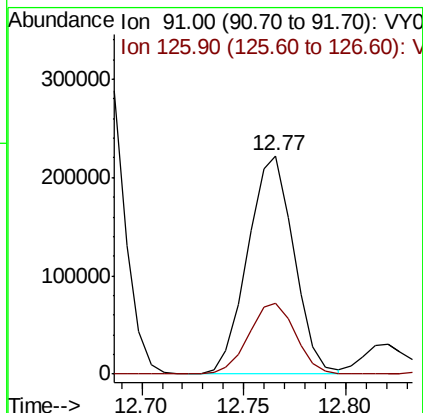
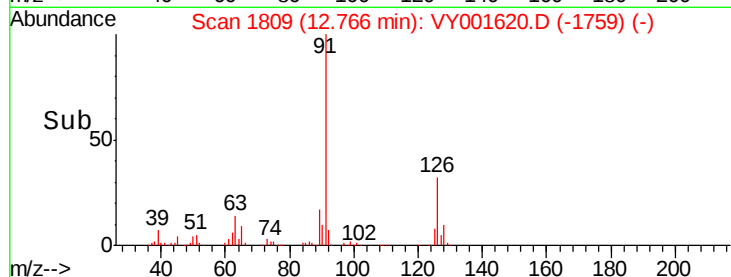
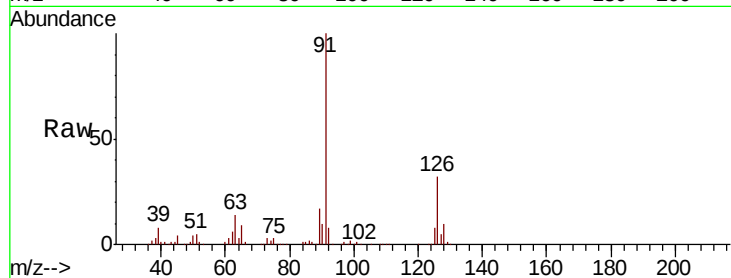
ClientSampleId :

Tot Ion: 91 Resp: 350048

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 44.312 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001620.D

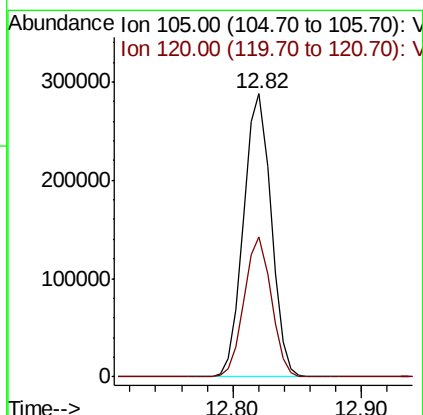
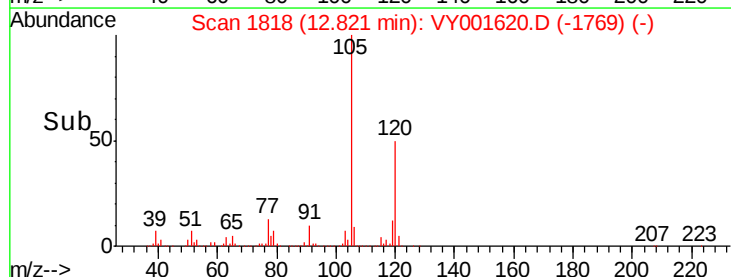
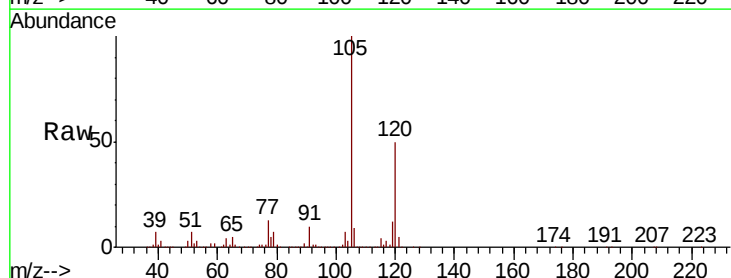
Acq: 12 Feb 2020 19:03

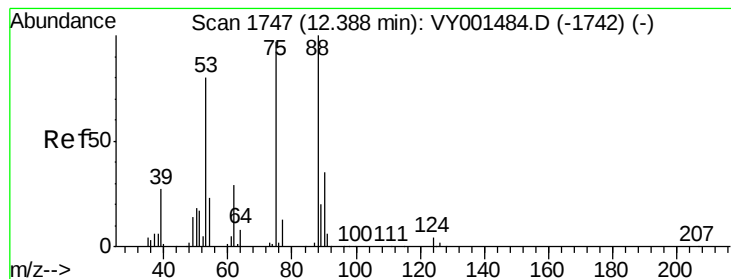
Tgt Ion: 105 Resp: 426198

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.309 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

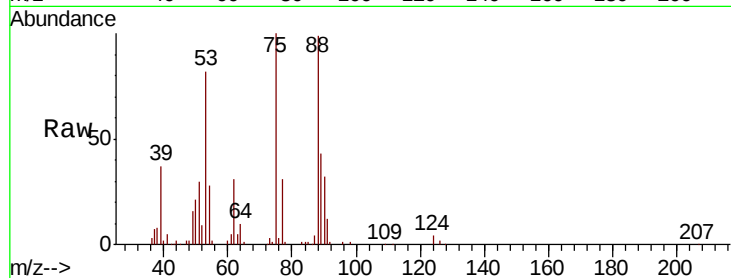
Tot Ion: 75 Resp: 41037

Ion Ratio Lower Upper

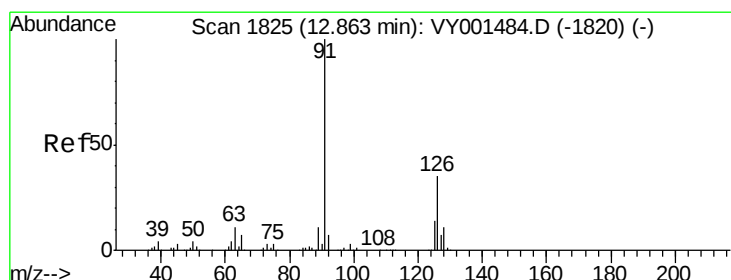
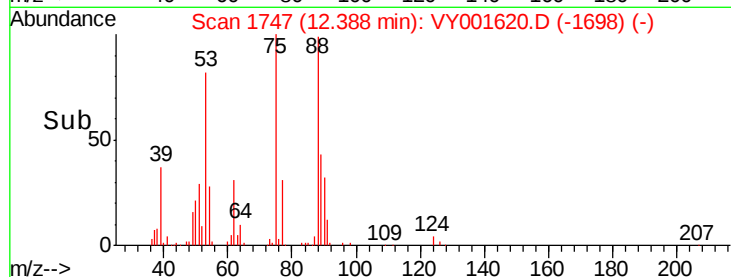
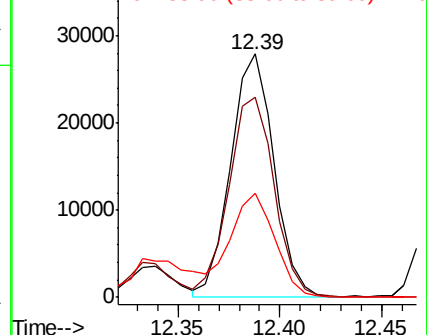
75 100

53 86.9 67.7 101.5

89 44.0 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 45.195 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001620.D

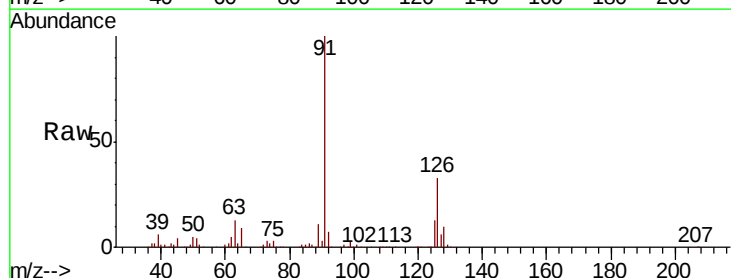
Acq: 12 Feb 2020 19:03

Tgt Ion: 91 Resp: 369293

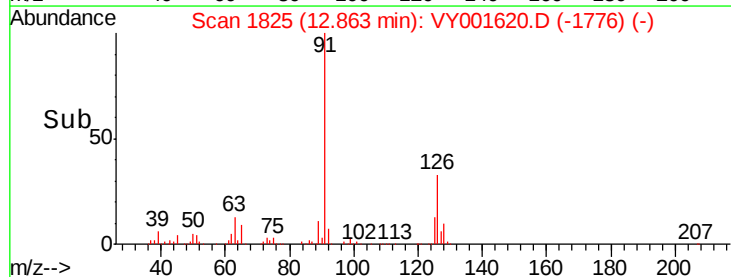
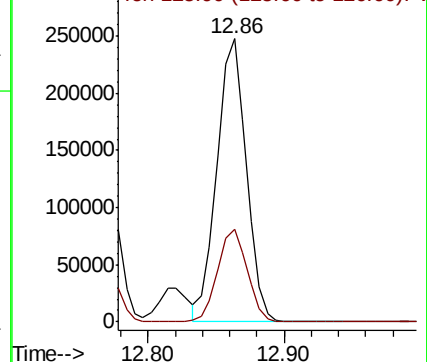
Ion Ratio Lower Upper

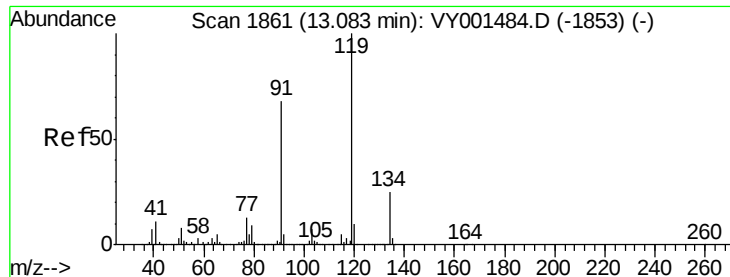
91 100

126 33.1 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V

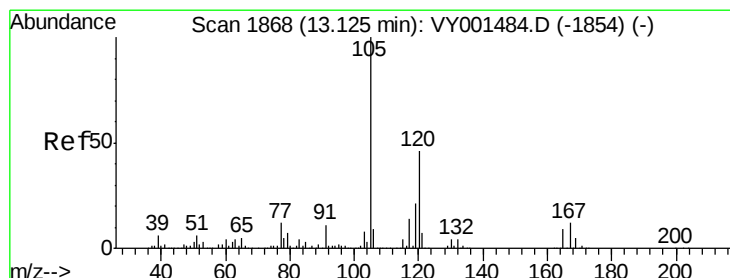
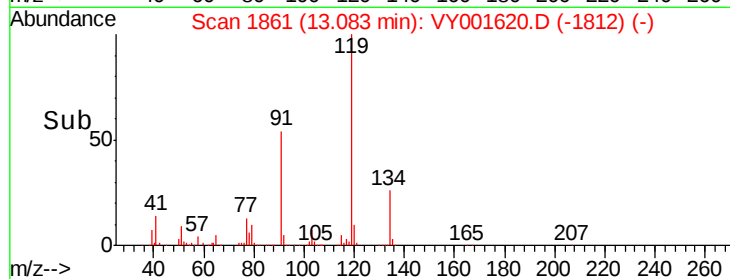
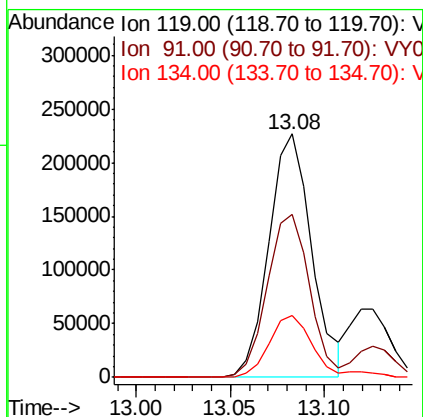
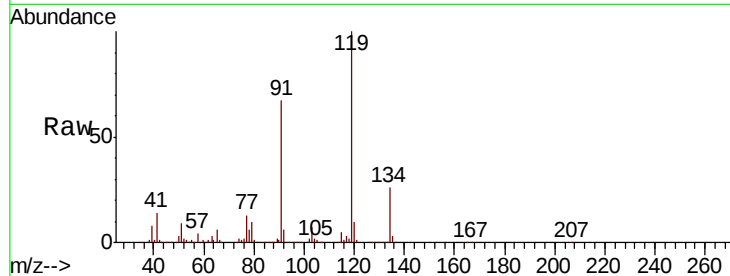




#83
tert-Butylbenzene
Concen: 43.939 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

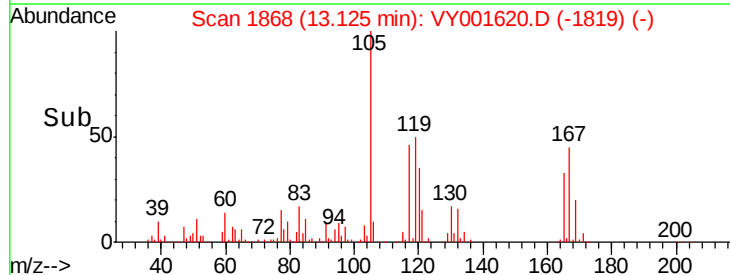
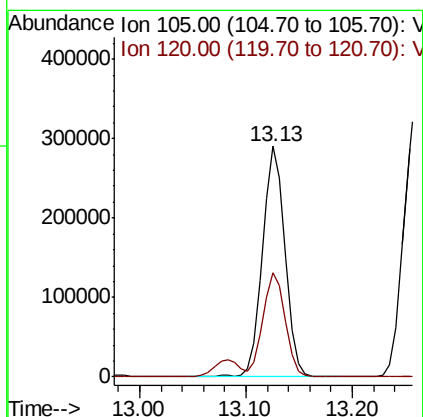
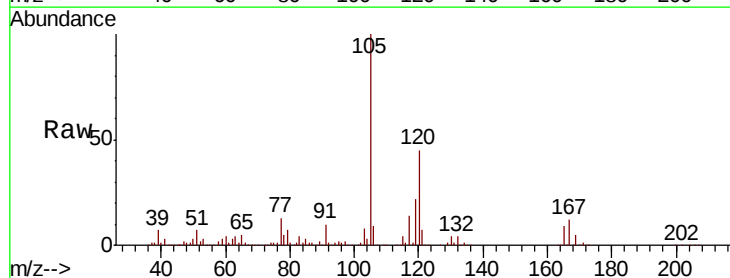
Instrument :
MSVOA_Y
ClientSampled :

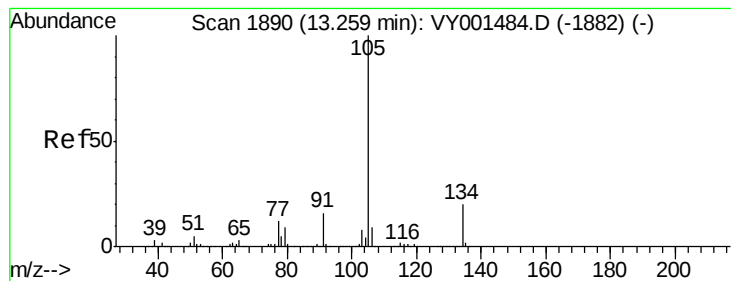
Tot Ion:119 Resp: 357220
Ion Ratio Lower Upper
119 100
91 66.3 33.1 99.3
134 26.8 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 45.110 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion:105 Resp: 429424
Ion Ratio Lower Upper
105 100
120 44.9 22.4 67.0





#85

sec-Butylbenzene

Concen: 45.524 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

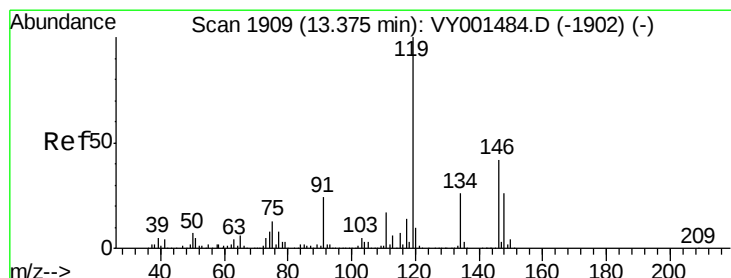
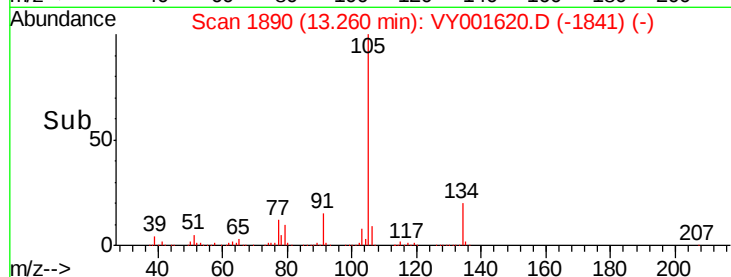
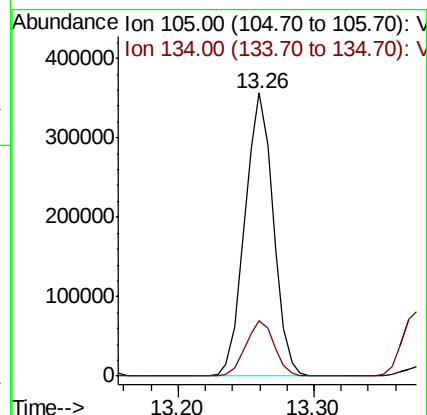
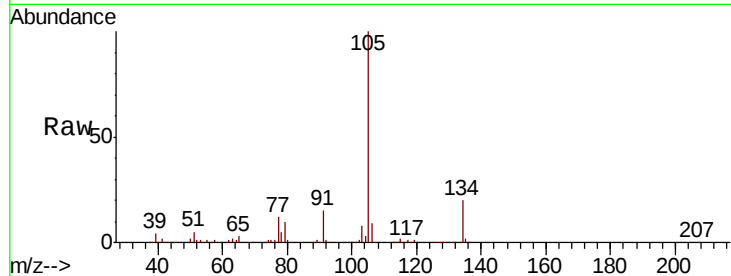
ClientSampleId :

Tot Ion:105 Resp: 520367

Ion Ratio Lower Upper

105 100

134 19.6 10.0 29.8



#86

p-Isopropyltoluene

Concen: 45.091 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

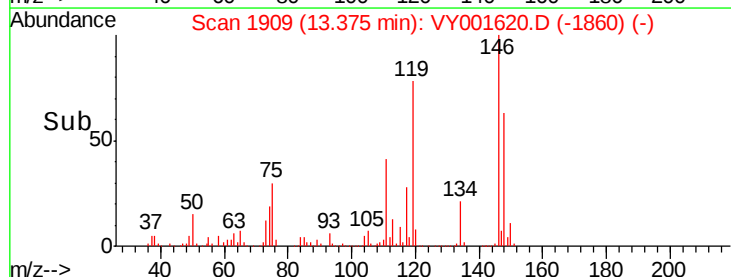
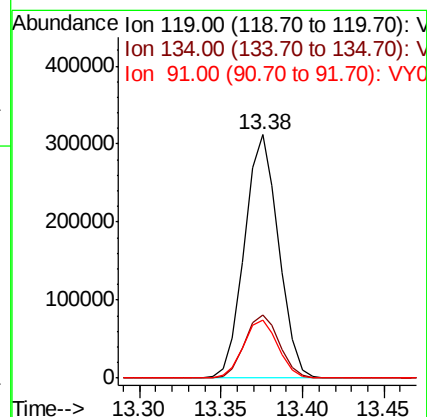
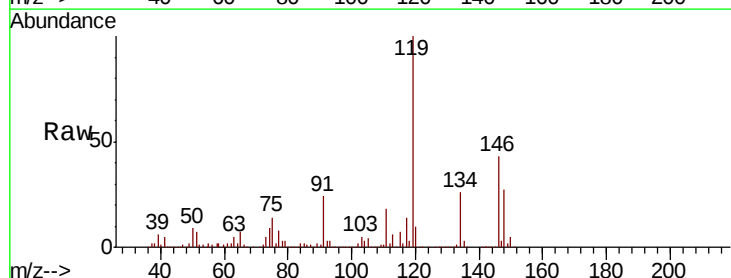
Tgt Ion:119 Resp: 454198

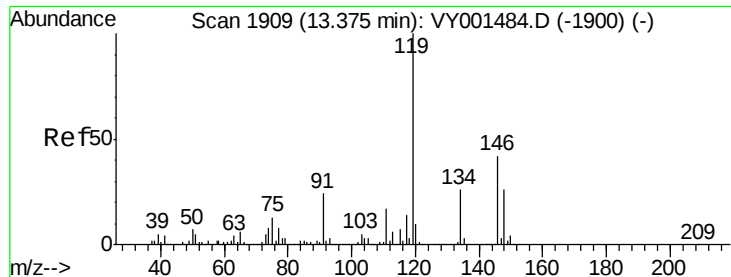
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 24.1 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 45.850 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

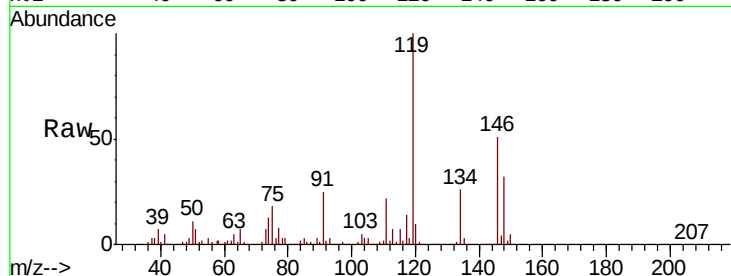
Tot Ion:146 Resp: 217174

Ion Ratio Lower Upper

146 100

111 41.6 21.3 63.9

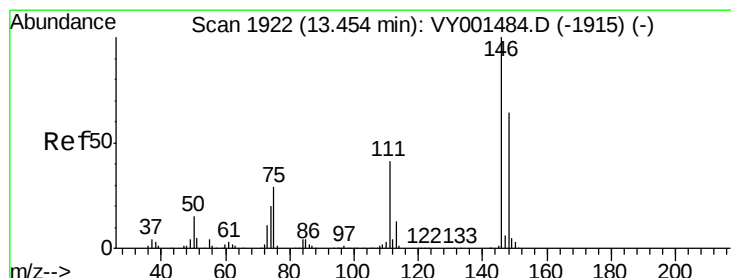
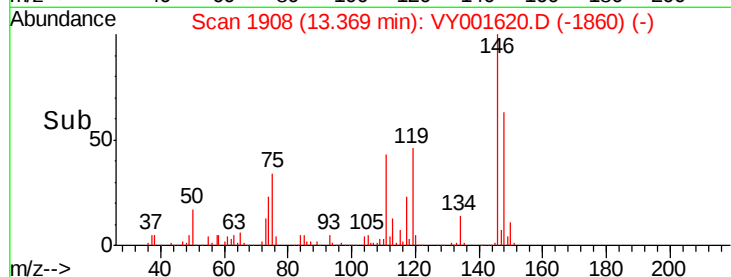
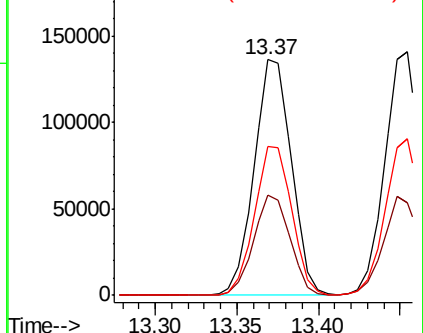
148 63.1 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 45.836 ug/l

RT: 13.45 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

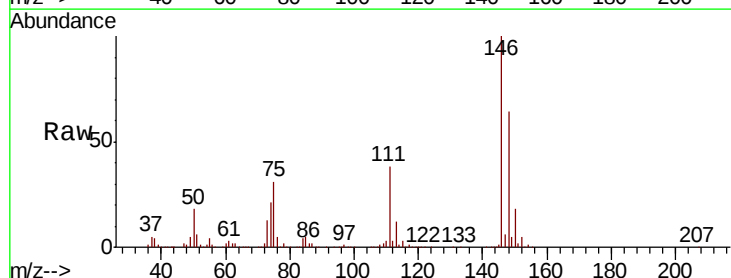
Tgt Ion:146 Resp: 217503

Ion Ratio Lower Upper

146 100

111 40.8 20.7 62.1

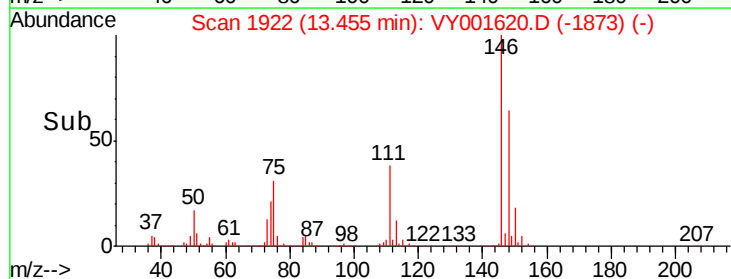
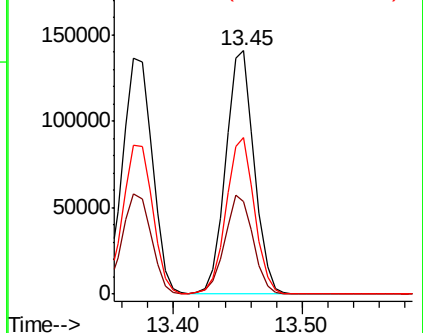
148 64.0 32.1 96.5

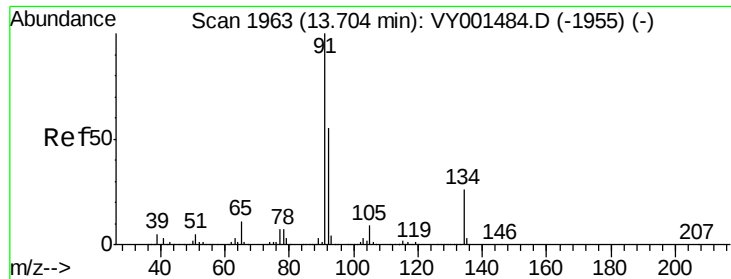


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 46.306 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VY001620.D

Acq: 12 Feb 2020 19:03

Instrument :

MSVOA_Y

ClientSampleId :

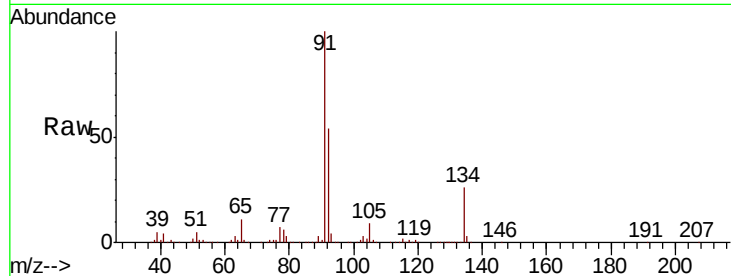
Tot Ion: 91 Resp: 460216

Ion Ratio Lower Upper

91 100

92 54.3 27.3 81.9

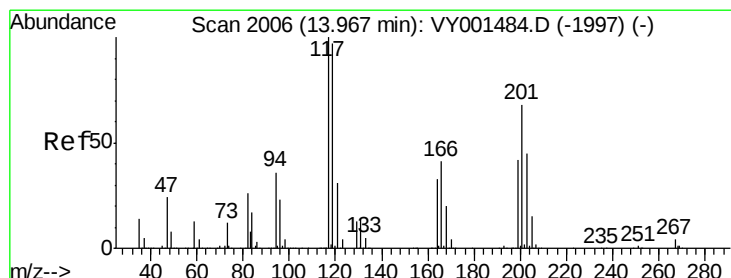
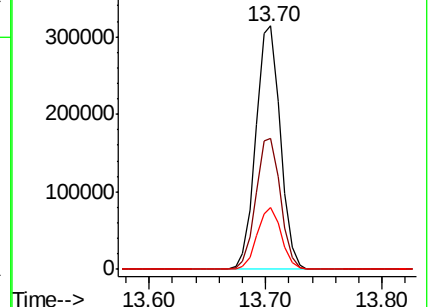
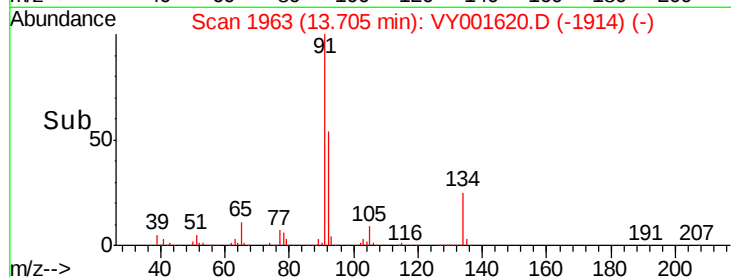
134 25.2 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VY001620.D (-1914) (-)

Ion 92.00 (91.70 to 92.70): VY001620.D (-1914) (-)

Ion 134.00 (133.70 to 134.70): VY001620.D (-1914) (-)



#90

Hexachloroethane

Concen: 44.434 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. 0.00 min

Lab File: VY001620.D

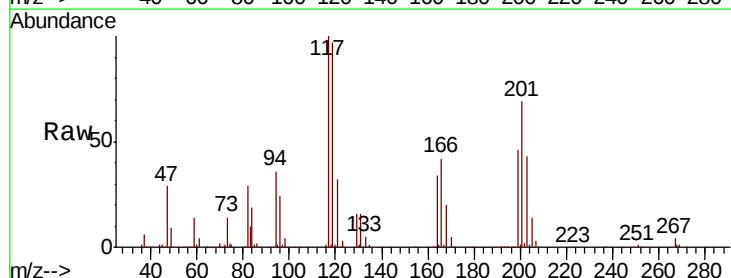
Acq: 12 Feb 2020 19:03

Tgt Ion: 117 Resp: 85906

Ion Ratio Lower Upper

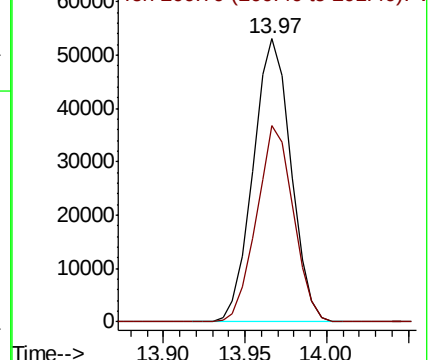
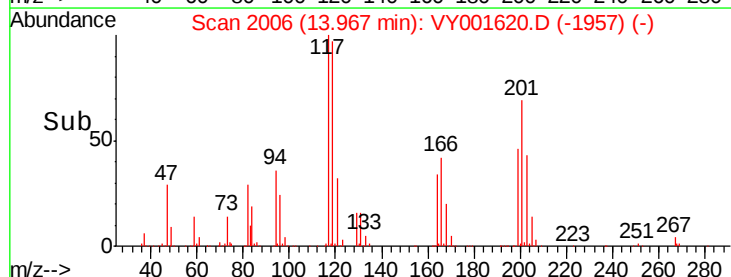
117 100

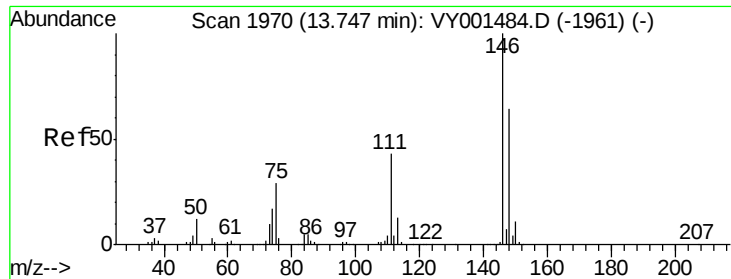
201 67.5 34.1 102.3



Abundance Ion 116.80 (116.50 to 117.50): VY001620.D (-1957) (-)

Ion 200.70 (200.40 to 201.40): VY001620.D (-1957) (-)

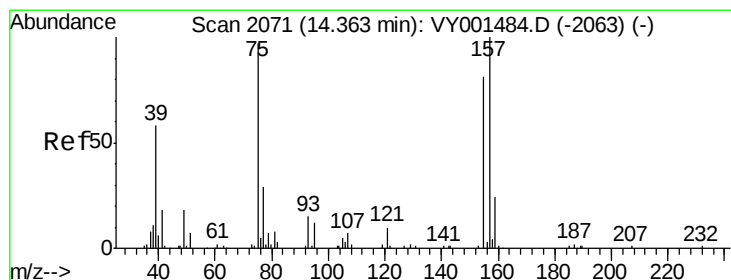
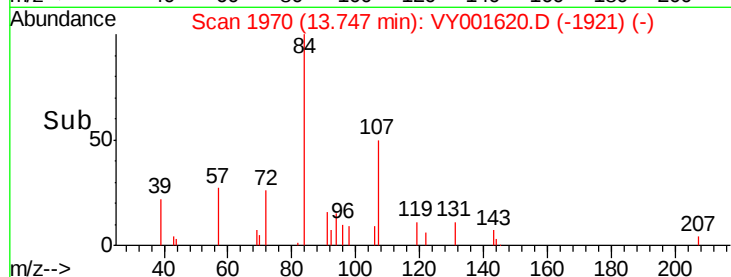
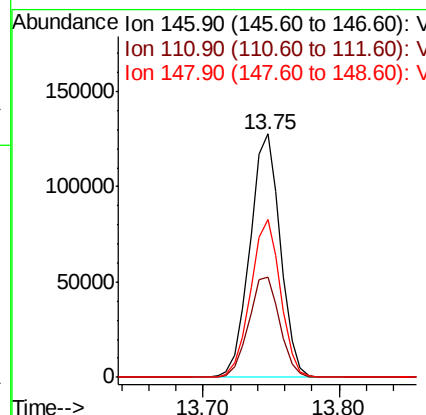
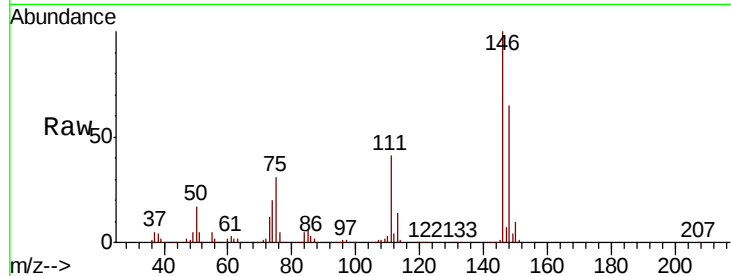




#91
 1,2-Dichlorobenzene
 Concen: 46.460 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

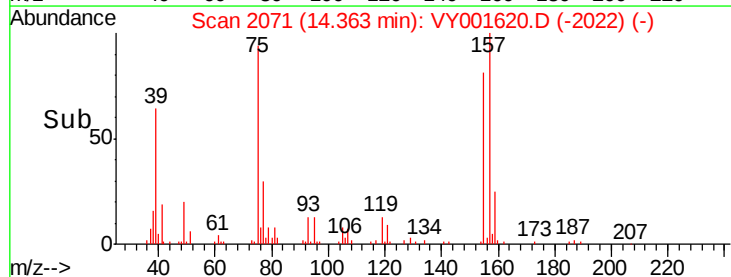
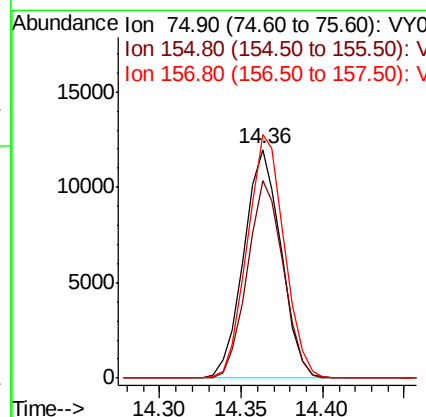
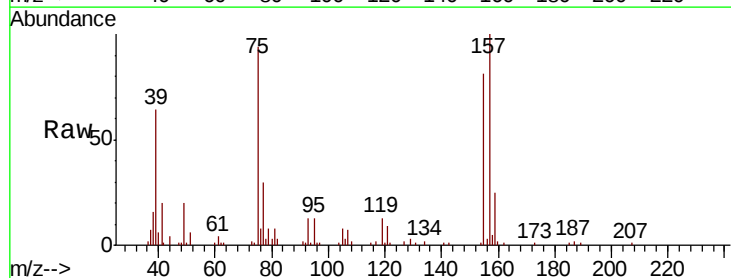
Instrument :
 MSVOA_Y
 ClientSampleId :

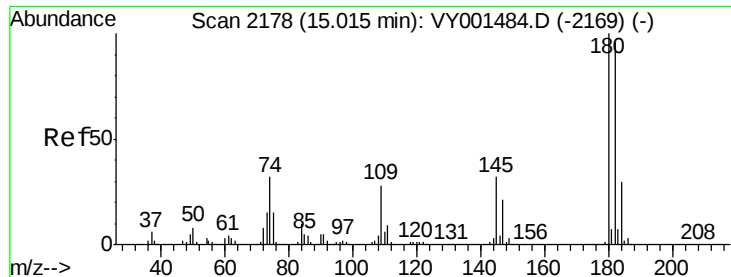
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.9	65.8
148	64.0	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.335 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	40.7	122.1
157	105.9	52.3	157.1

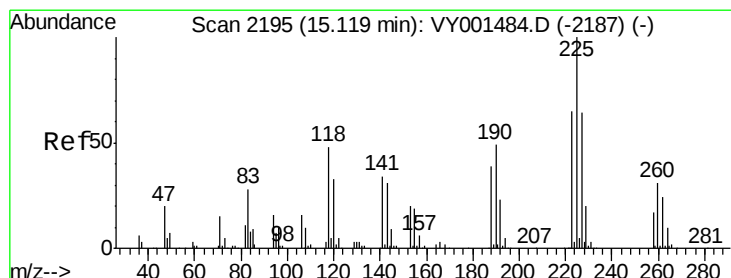
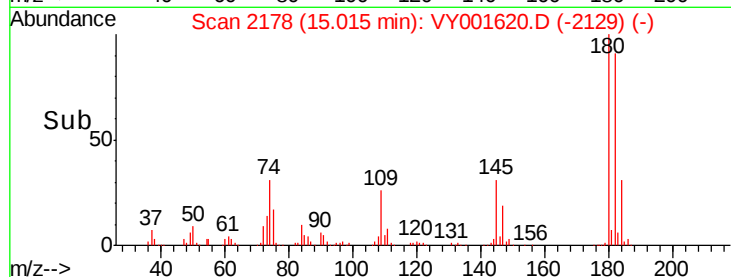
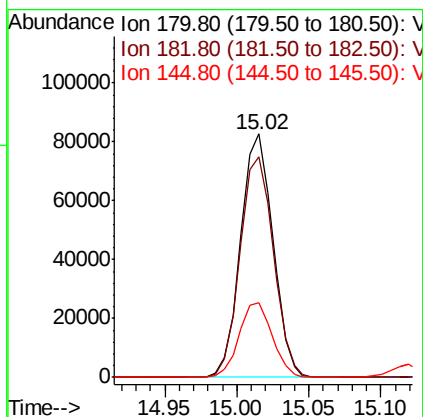
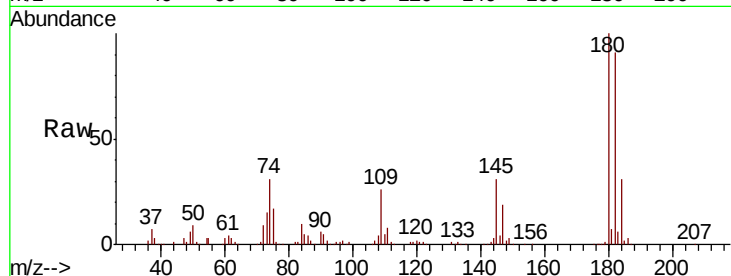




#93
 1,2,4-Trichlorobenzene
 Concen: 44.603 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

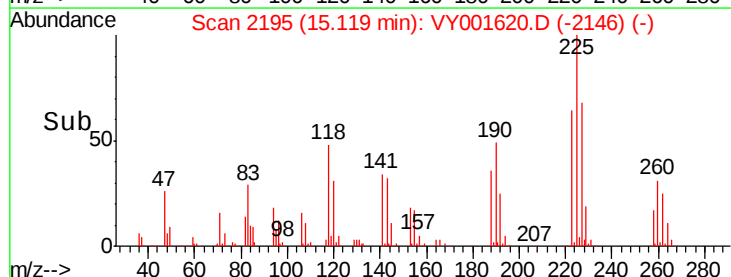
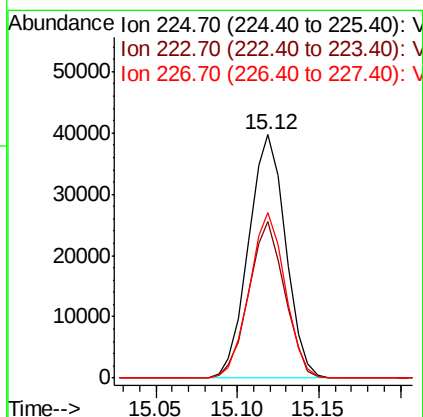
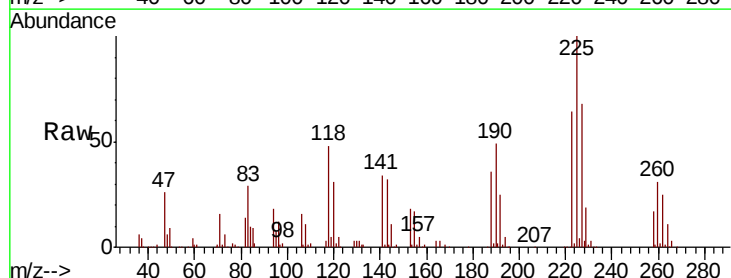
Instrument :
 MSVOA_Y
 ClientSampled :

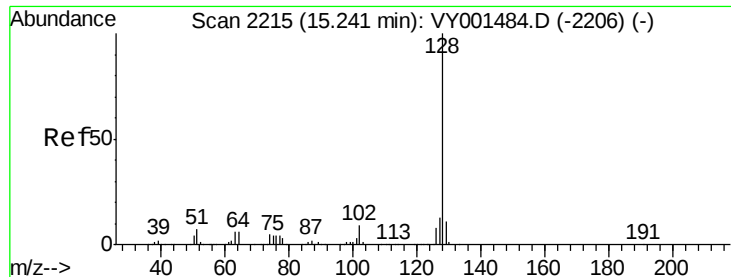
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.9	140.7
145	31.4	16.8	50.3



#94
 Hexachlorobutadiene
 Concen: 42.826 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001620.D
 Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.7
227	65.9	32.6	97.7

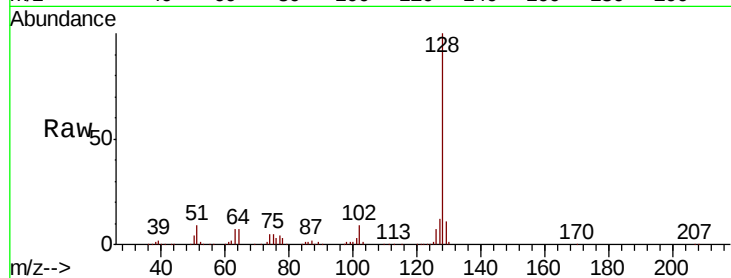




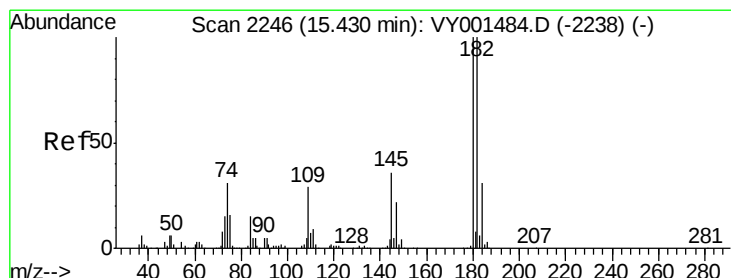
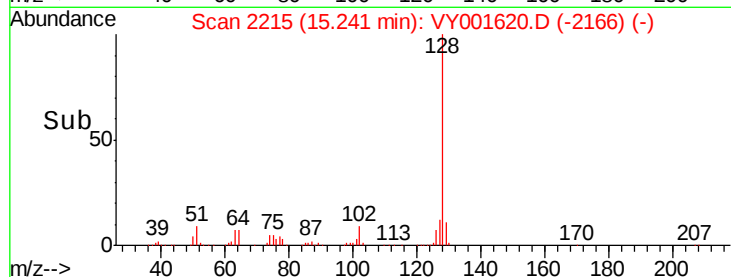
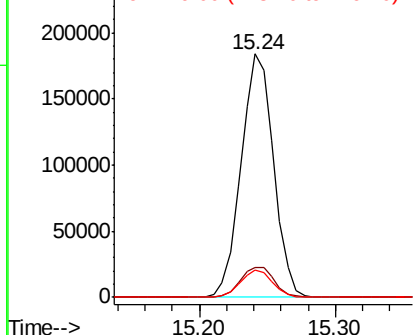
#95
Naphthalene
Concen: 45.091 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.9	13.3

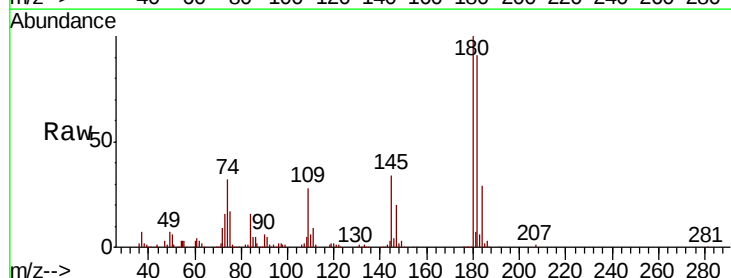


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 44.731 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001620.D
Acq: 12 Feb 2020 19:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.0	144.2
145	33.7	17.8	53.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

