

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020283.D
 Acq On : 13 Nov 2024 15:15
 Operator : SY/MD
 Sample : P4810-02
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 14 00:58:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.719	168	24523	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.615	114	40171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	19481	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	3557	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	8623	28.174	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	56.340%
35) Dibromofluoromethane	7.640	113	11499	45.023	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.040%
50) Toluene-d8	10.109	98	39586	38.938	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	77.880%
62) 4-Bromofluorobenzene	12.407	95	6201	18.779	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	37.560%

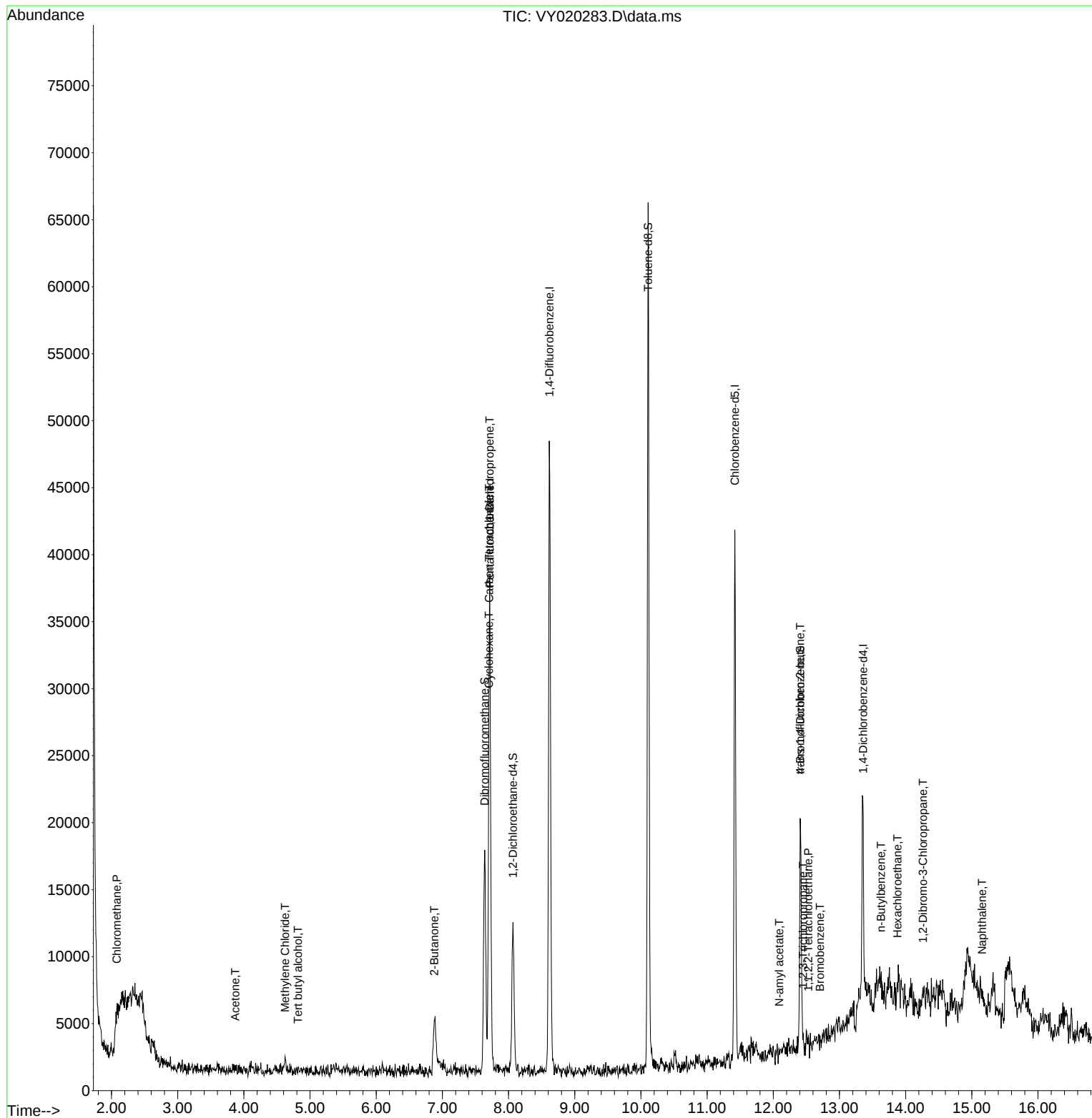
Target Compounds						Qvalue
3) Chloromethane	2.080	50	411	1.093	ug/l	95
11) Tert butyl alcohol	4.817	59	93	4.224	ug/l	# 88
16) Acetone	3.872	43	404	5.676	ug/l	# 36
20) Methylene Chloride	4.622	84	563	1.761	ug/l	# 74
25) 2-Butanone	6.878	43	259	2.684	ug/l	# 41
31) Cyclohexane	7.701	56	579	1.042	ug/l	# 88
36) 1,1-Dichloropropene	7.713	75	2412	6.113	ug/l	# 43
38) Carbon Tetrachloride	7.707	117	2824	7.118	ug/l	# 17
74) N-amyl acetate	12.090	43	171	2.407	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.529	83	152	3.059	ug/l	# 26
76) 1,2,3-Trichloropropane	12.450	75	95	2.849	ug/l	# 100
77) Bromobenzene	12.706	156	80	1.392	ug/l	# 57
81) trans-1,4-Dichloro-2-b...	12.407	75	3066	197.788	ug/l	# 17
89) n-Butylbenzene	13.627	91	330	1.340	ug/l	# 61
90) Hexachloroethane	13.876	117	76	1.564	ug/l	# 12
92) 1,2-Dibromo-3-Chloropr...	14.261	75	21	2.786	ug/l	# 1
95) Naphthalene	15.157	128	286	2.807	ug/l	# 73

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

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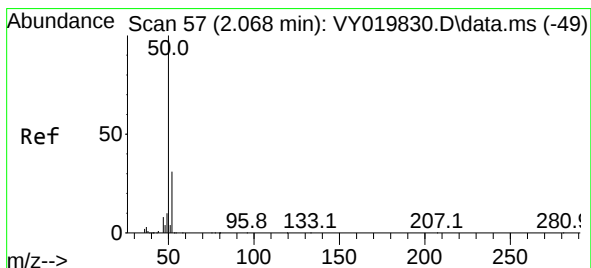
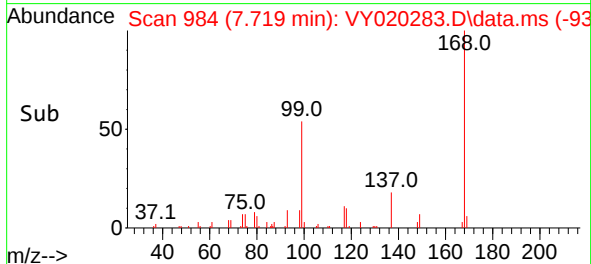
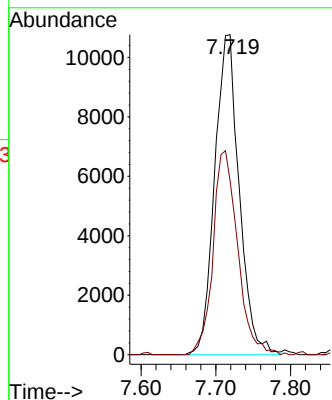
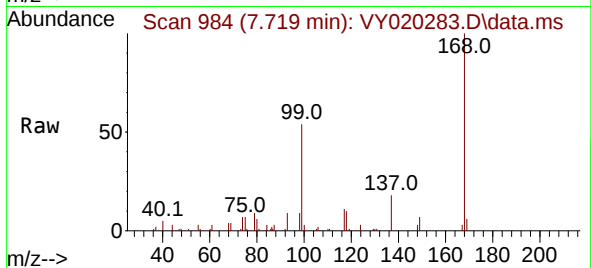




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

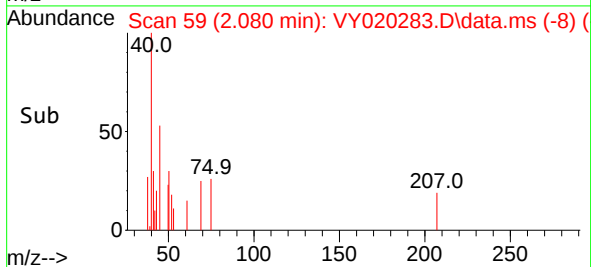
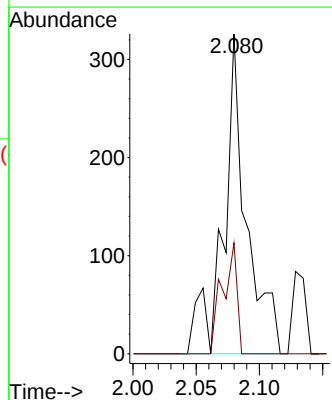
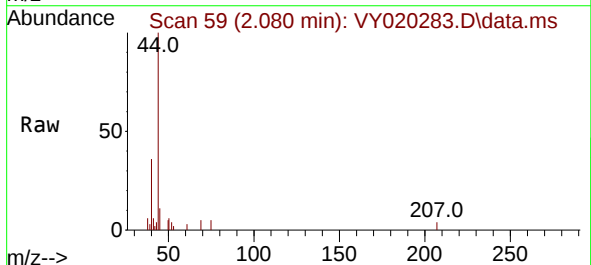
Instrument :
MSVOA_Y
ClientSampleId :

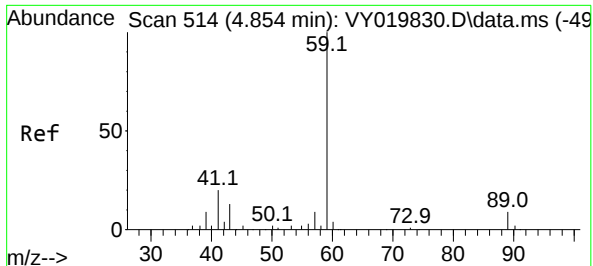
Tgt Ion:168 Resp: 24523
Ion Ratio Lower Upper
168 100
99 54.3 39.1 58.7



#3
Chloromethane
Concen: 1.093 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.012 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

Tgt Ion: 50 Resp: 411
Ion Ratio Lower Upper
50 100
52 34.7 25.6 38.4

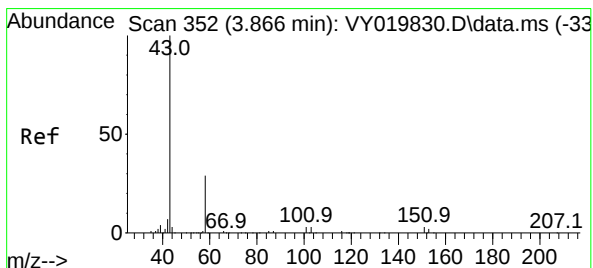
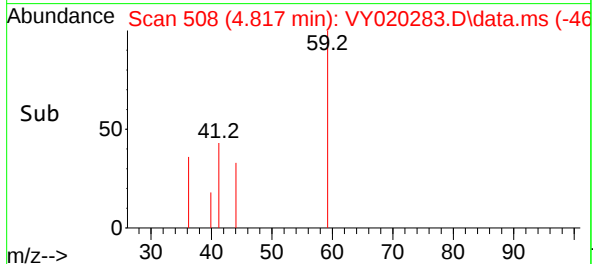
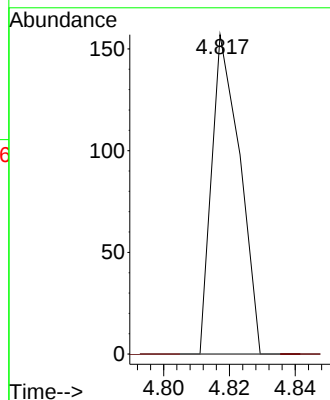
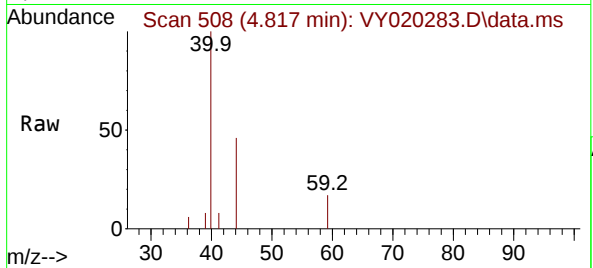




#11
Tert butyl alcohol
Concen: 4.224 ug/l
RT: 4.817 min Scan# 508
Delta R.T. -0.043 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

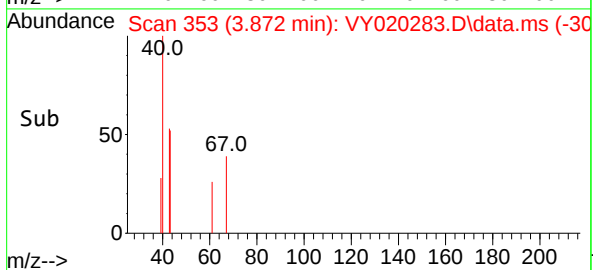
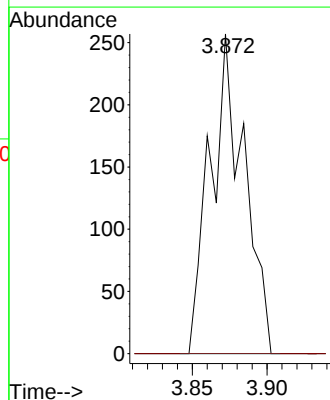
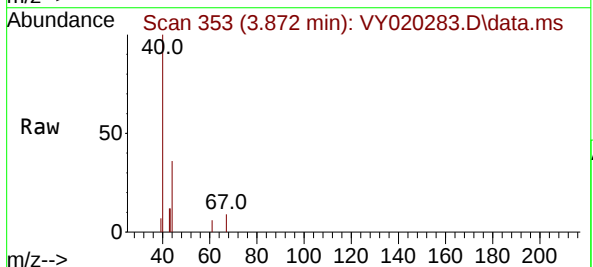
Instrument :
MSVOA_Y
ClientSampleId :

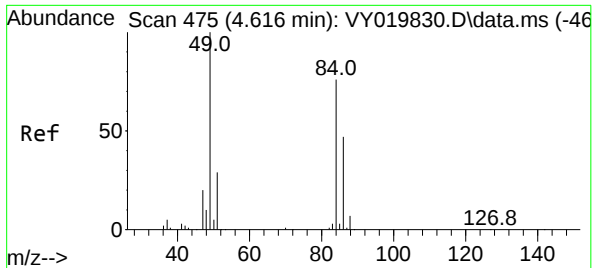
Tgt Ion: 59 Resp: 93
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#16
Acetone
Concen: 5.676 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

Tgt Ion: 43 Resp: 404
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

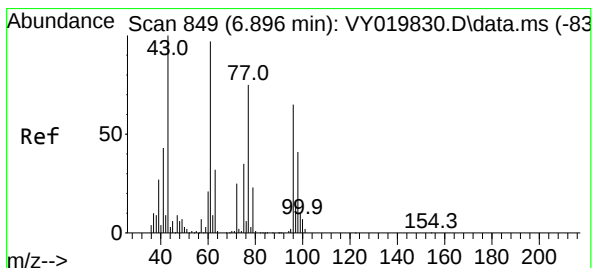
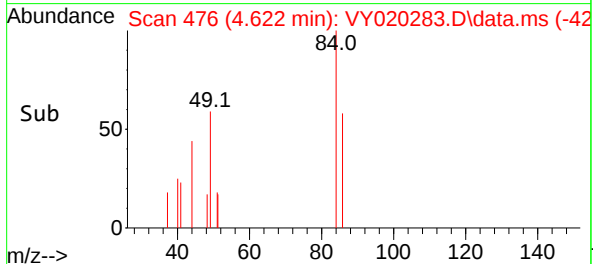
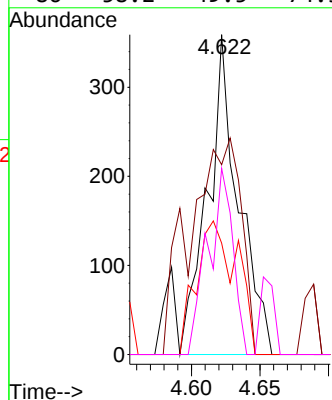
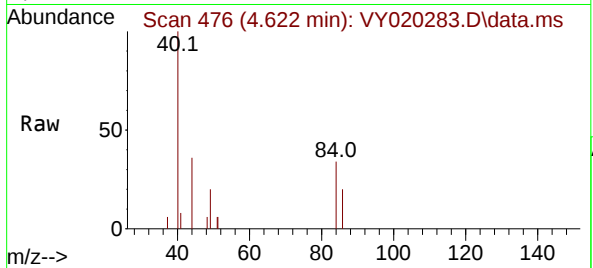




#20
Methylene Chloride
Concen: 1.761 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

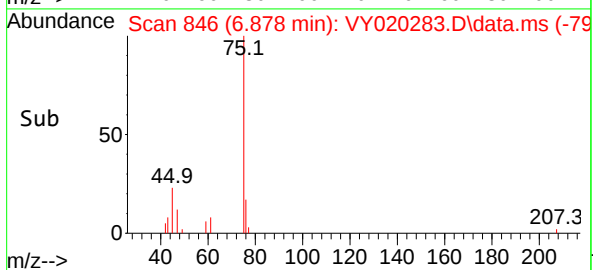
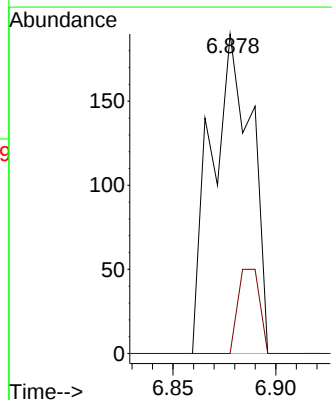
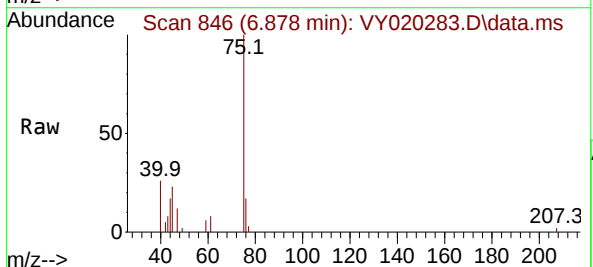
Instrument :
MSVOA_Y
ClientSampleId :

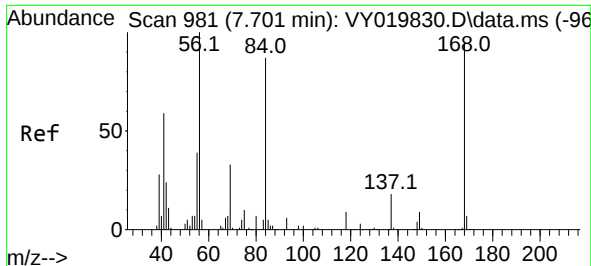
Tgt Ion:	84	Resp:	563
Ion	Ratio	Lower	Upper
84	100		
49	59.3	84.4	126.6#
51	34.8	26.0	39.0
86	58.2	49.5	74.3



#25
2-Butanone
Concen: 2.684 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

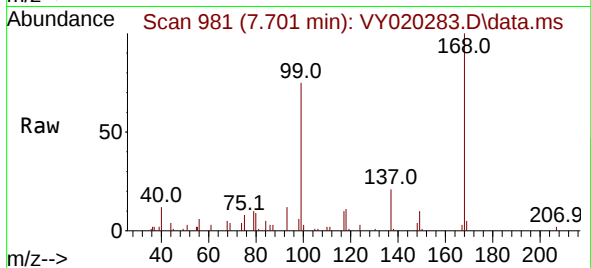
Tgt Ion:	43	Resp:	259
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#



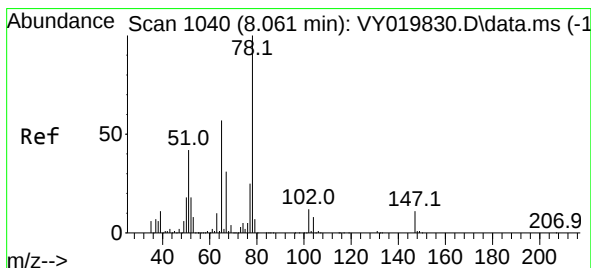
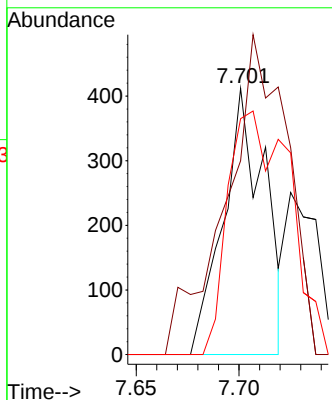
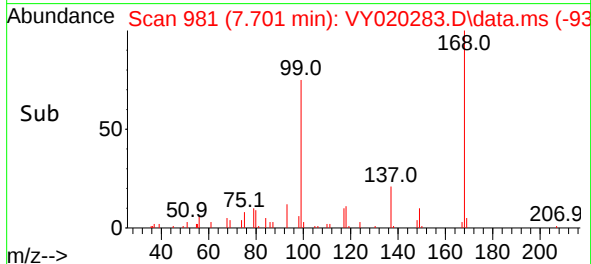


#31
Cyclohexane
Concen: 1.042 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

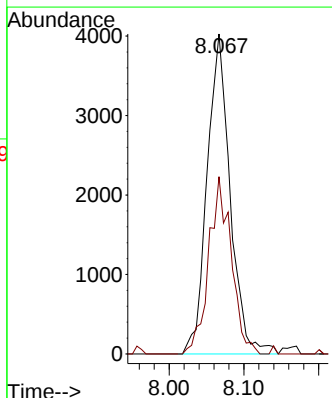
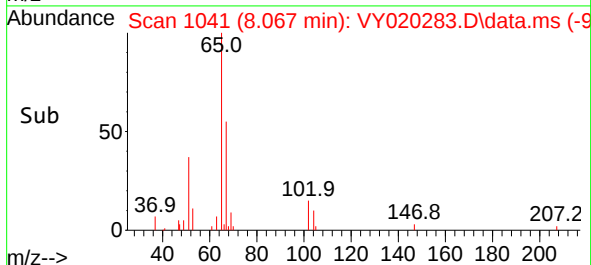
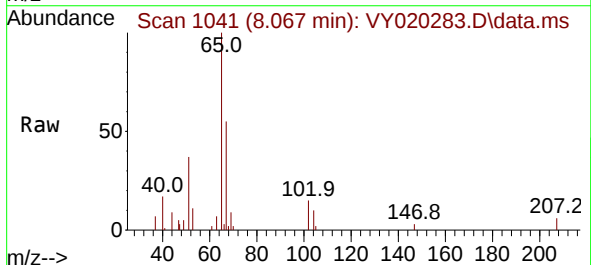


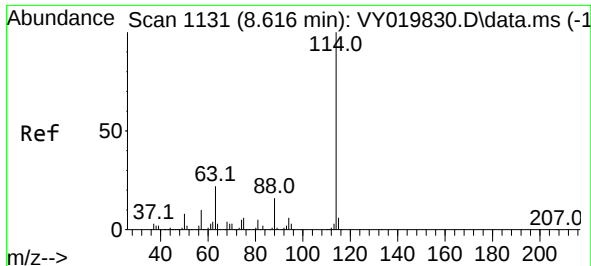
Tgt Ion: 56 Resp: 579
Ion Ratio Lower Upper
56 100
69 47.6 28.7 43.1#
84 88.6 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 28.174 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

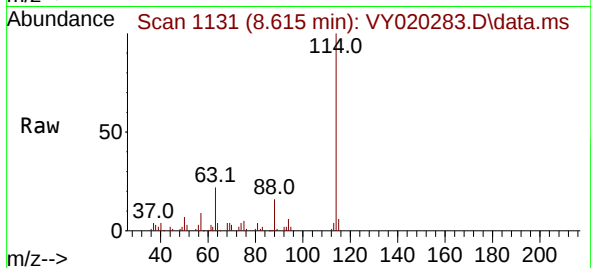
Tgt Ion: 65 Resp: 8623
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.6



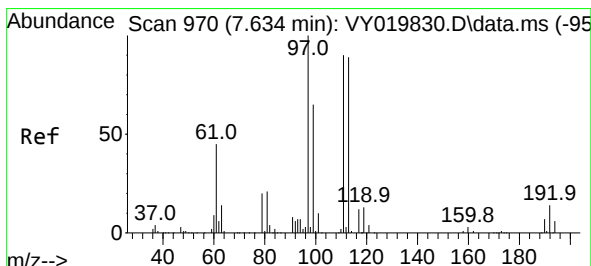
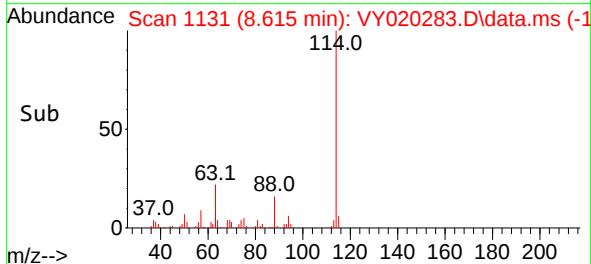
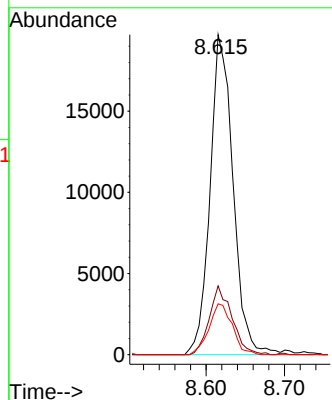


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

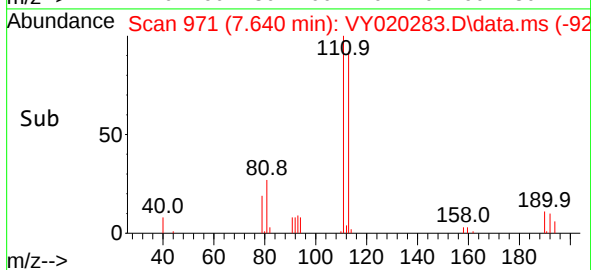
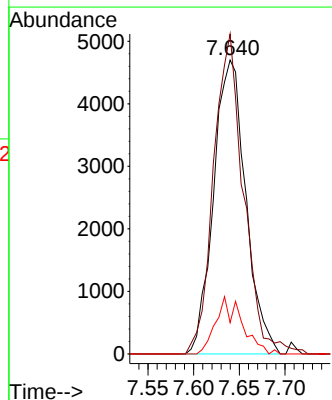
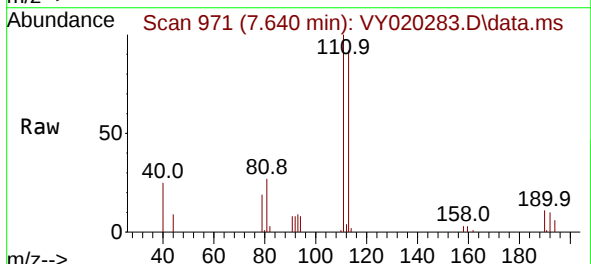


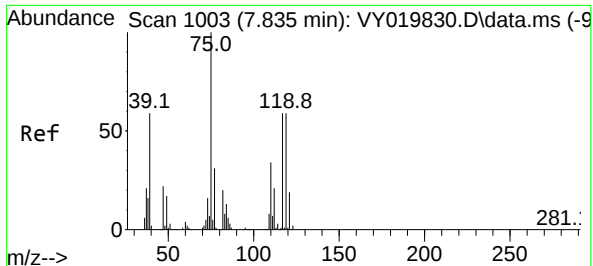
Tgt Ion:114 Resp: 40171
Ion Ratio Lower Upper
114 100
63 21.5 0.0 35.0
88 15.9 0.0 27.2



#35
Dibromofluoromethane
Concen: 45.023 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

Tgt Ion:113 Resp: 11499
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.4
192 15.9 15.9 23.9#





#36

1,1-Dichloropropene

Concen: 6.113 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

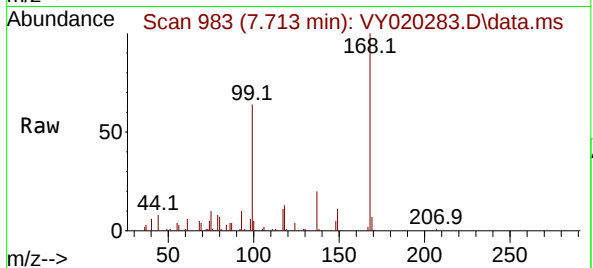
Lab File: VY020283.D

Acq: 13 Nov 2024 15:15

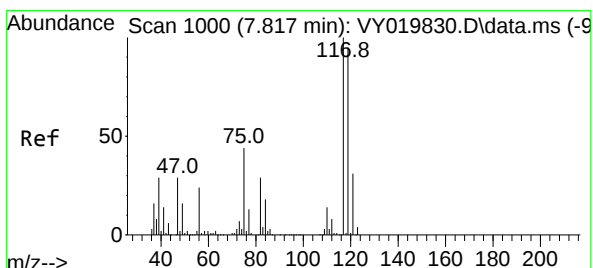
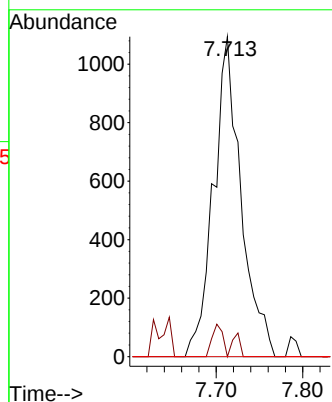
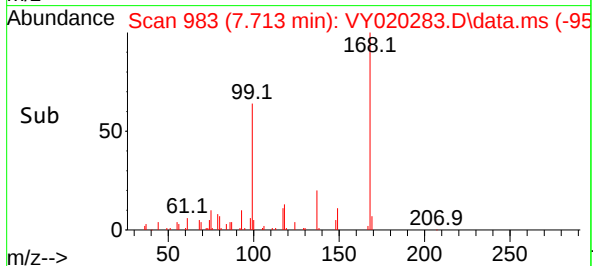
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 2412
Ion Ratio	Lower Upper
75	100
110	3.9 19.0 57.0#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.118 ug/l

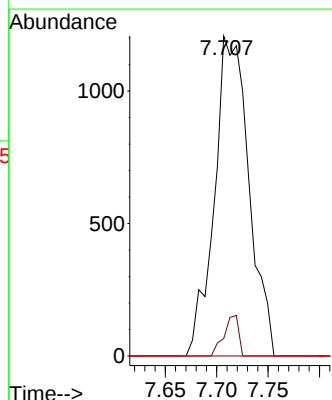
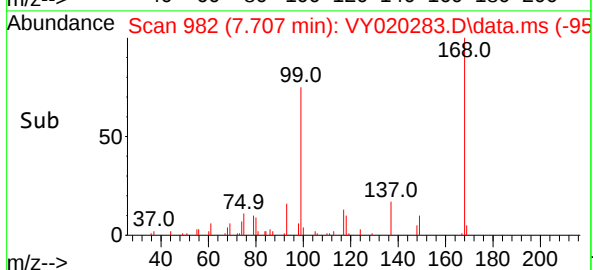
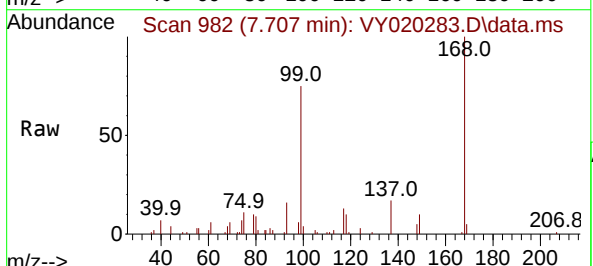
RT: 7.707 min Scan# 982

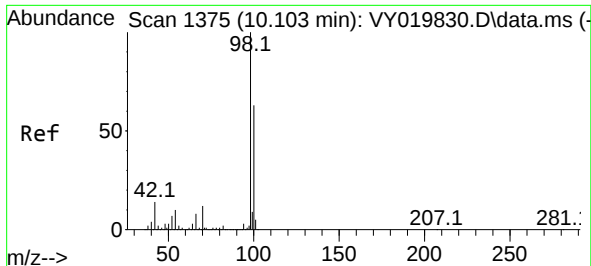
Delta R.T. -0.110 min

Lab File: VY020283.D

Acq: 13 Nov 2024 15:15

Tgt Ion: 117	Resp: 2824
Ion Ratio	Lower Upper
117	100
119	5.5 75.8 113.6#
121	0.0 24.0 36.0#

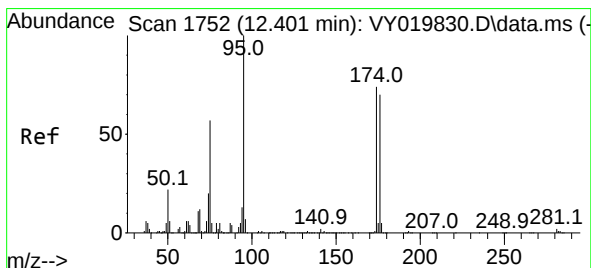
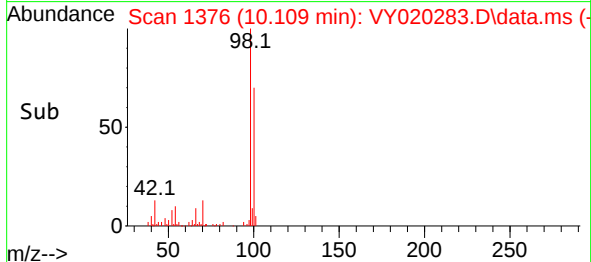
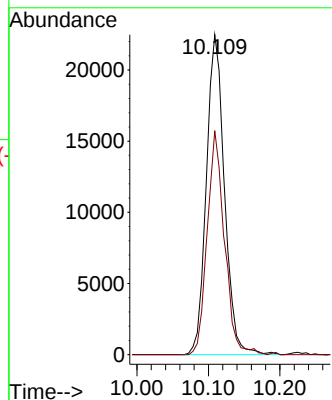
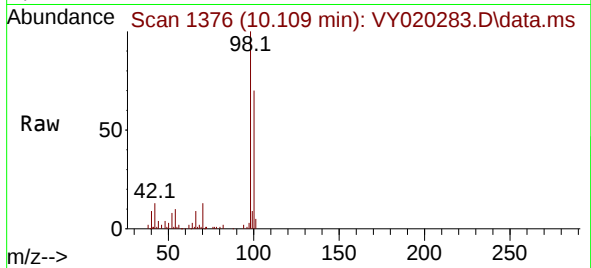




#50
Toluene-d8
Concen: 38.938 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

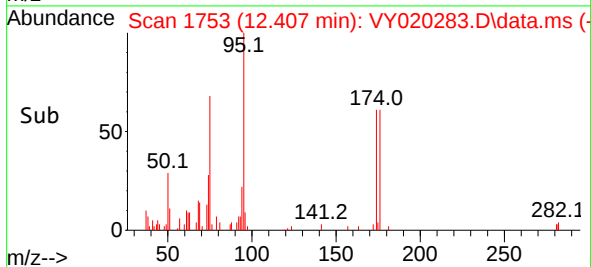
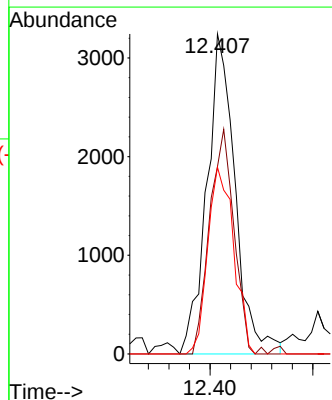
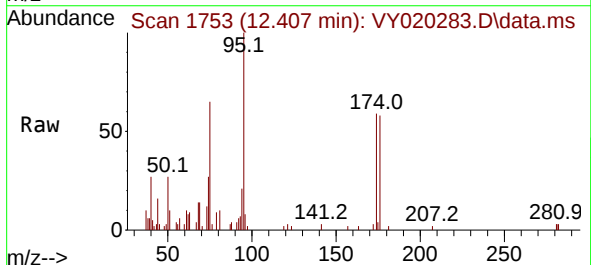
Instrument :
MSVOA_Y
ClientSampleId :

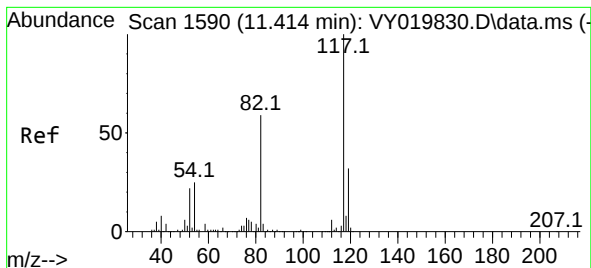
Tgt Ion: 98 Resp: 39586
Ion Ratio Lower Upper
98 100
100 66.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 18.779 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

Tgt Ion: 95 Resp: 6201
Ion Ratio Lower Upper
95 100
174 60.4 0.0 175.6
176 53.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY020283.D

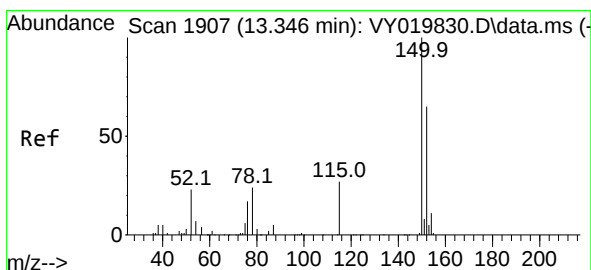
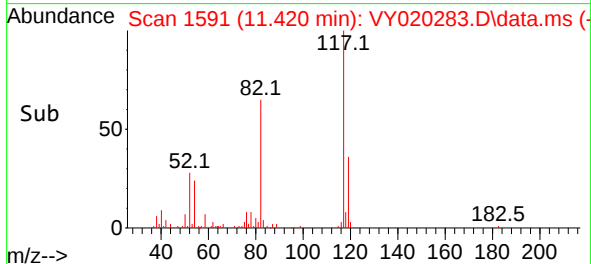
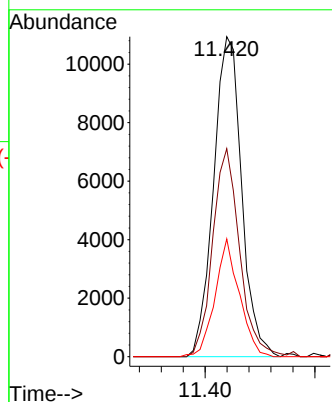
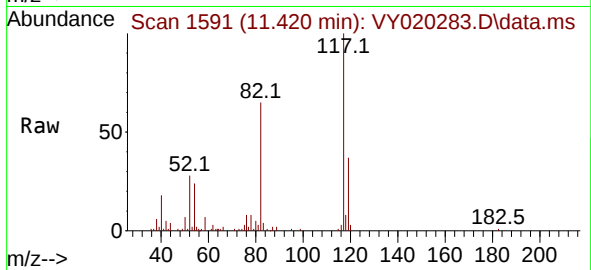
Acq: 13 Nov 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	117	Resp:	19481
Ion Ratio	Lower	Upper	
117	100		
82	65.0	42.4	63.6#
119	36.8	25.9	38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

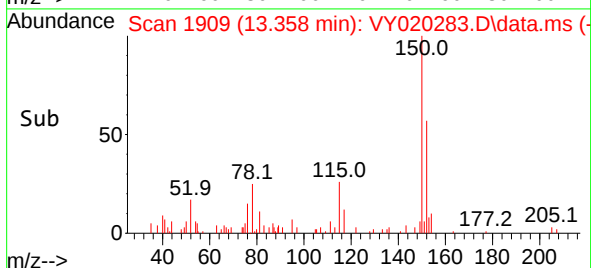
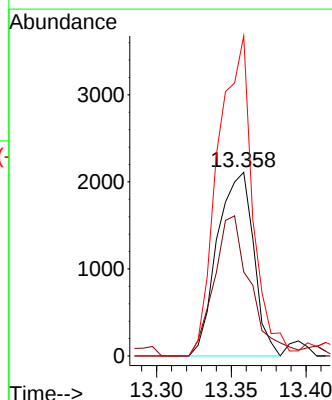
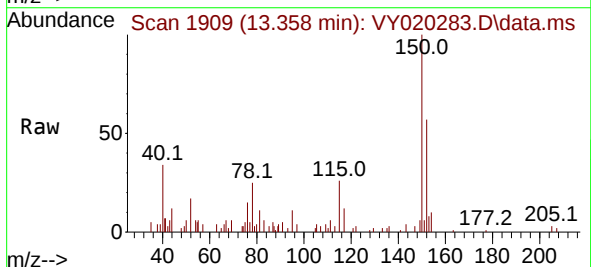
RT: 13.358 min Scan# 1909

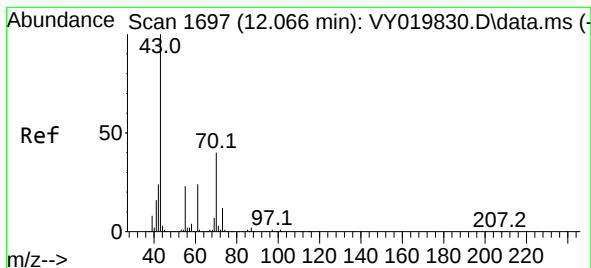
Delta R.T. 0.012 min

Lab File: VY020283.D

Acq: 13 Nov 2024 15:15

Tgt Ion:	152	Resp:	3557
Ion Ratio	Lower	Upper	
152	100		
115	76.7	28.2	84.7
150	166.5	0.0	345.6





#74

N-amy1 acetate

Concen: 2.407 ug/l

RT: 12.090 min Scan# 1

Delta R.T. 0.018 min

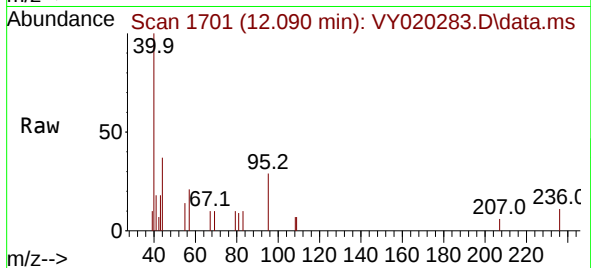
Lab File: VY020283.D

Acq: 13 Nov 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 171

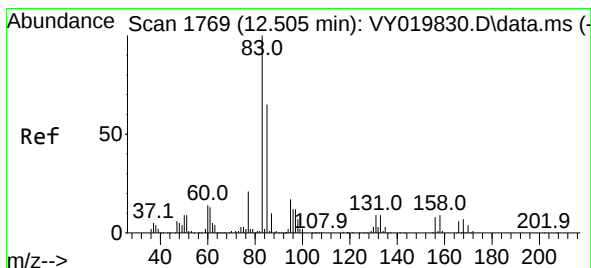
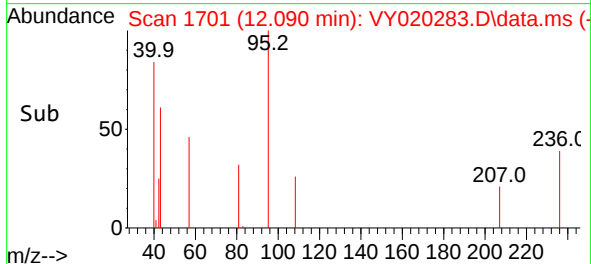
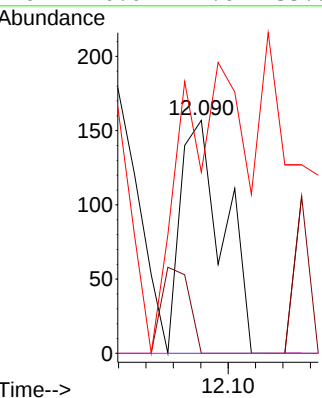
Ion Ratio Lower Upper

43 100

70 24.0 41.4 62.2#

55 184.8 23.3 34.9#

61 0.0 22.6 33.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 3.059 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. 0.018 min

Lab File: VY020283.D

Acq: 13 Nov 2024 15:15

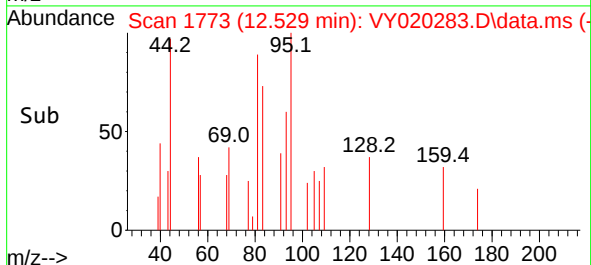
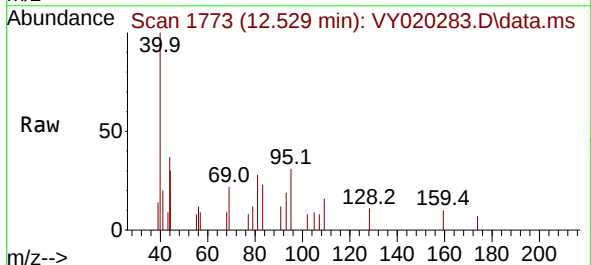
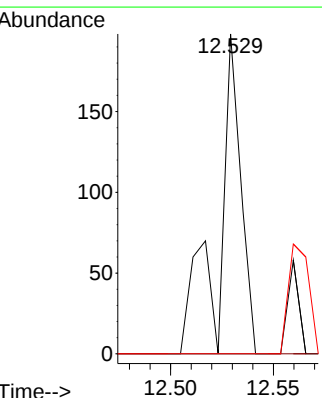
Tgt Ion: 83 Resp: 152

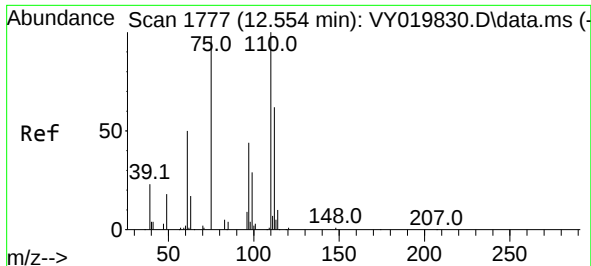
Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 32.0 96.0#

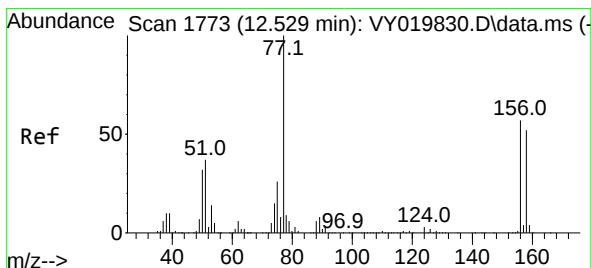
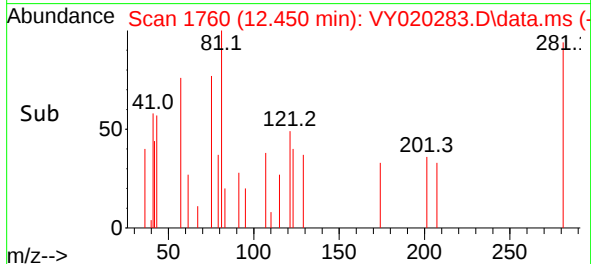
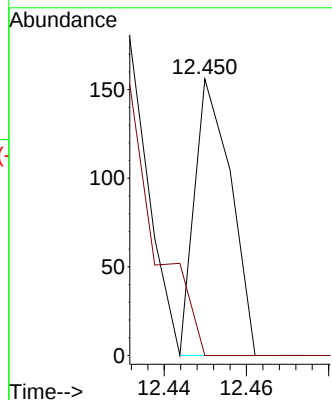
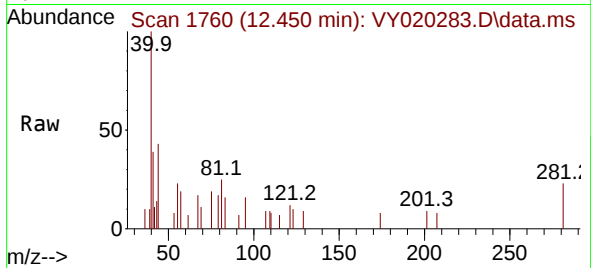




#76
1,2,3-Trichloropropane
Concen: 2.849 ug/l
RT: 12.450 min Scan# 11
Delta R.T. -0.110 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

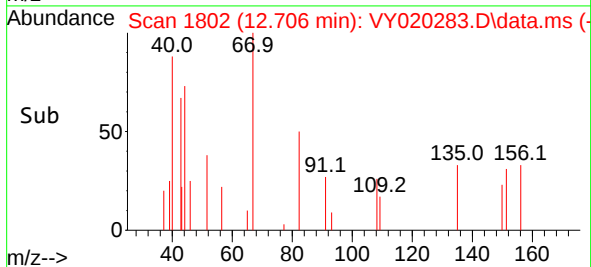
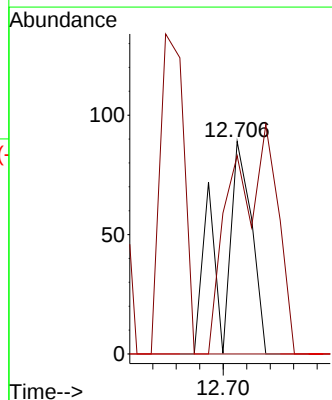
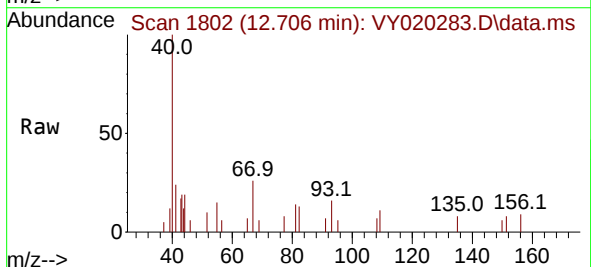
Instrument :
MSVOA_Y
ClientSampleId :

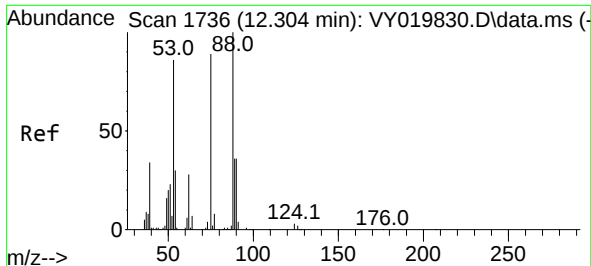
Tgt Ion: 75 Resp: 95
Ion Ratio Lower Upper
75 100
77 140.0 0.0 0.0#



#77
Bromobenzene
Concen: 1.392 ug/l
RT: 12.706 min Scan# 1802
Delta R.T. 0.171 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

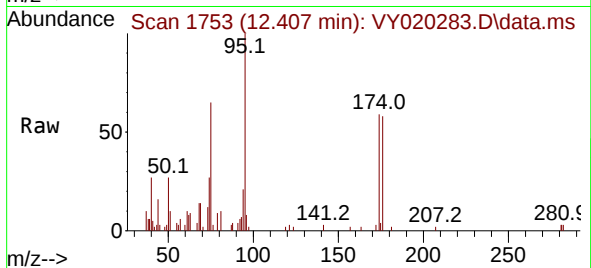
Tgt Ion: 156 Resp: 80
Ion Ratio Lower Upper
156 100
77 158.8 87.1 261.3
158 0.0 48.6 145.9#



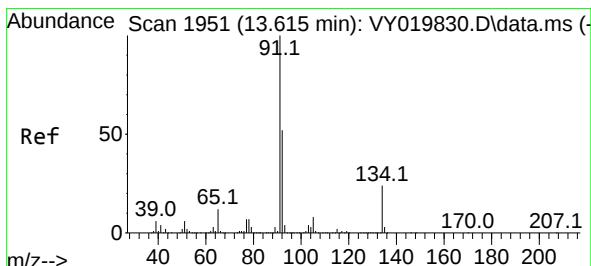
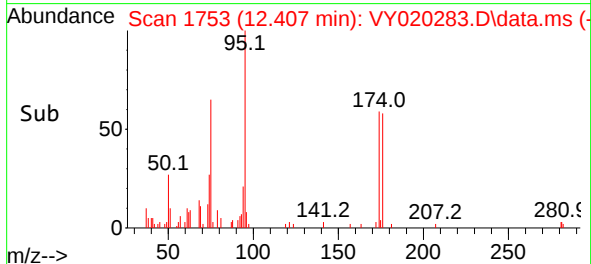
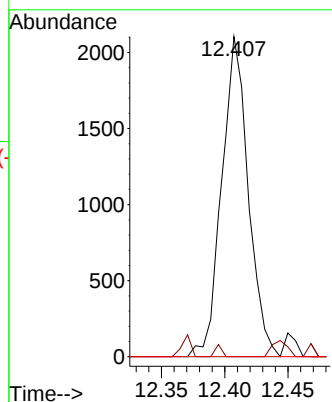


#81
trans-1,4-Dichloro-2-butene
Concen: 197.788 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

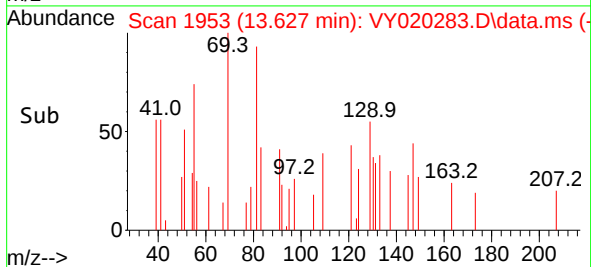
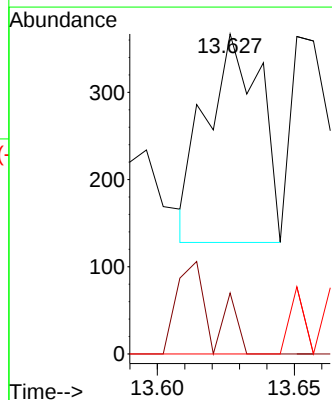
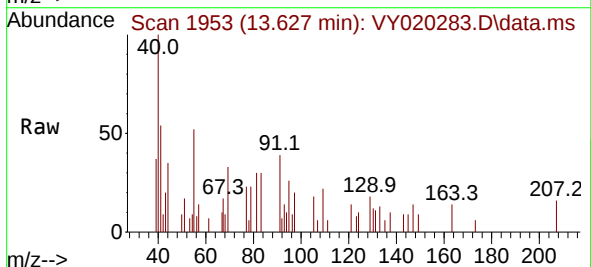


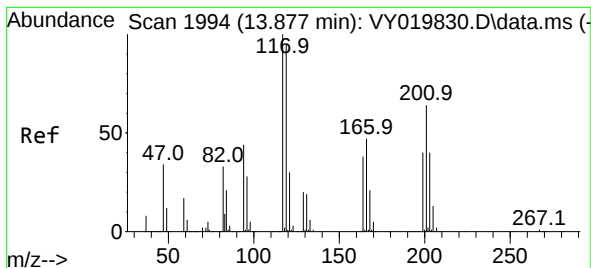
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.9	66.8	100.2#
89	0.0	35.8	53.6#



#89
n-Butylbenzene
Concen: 1.340 ug/l
RT: 13.627 min Scan# 1953
Delta R.T. 0.006 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	29.1	26.6	79.7
134	0.0	12.9	38.7#





#90

Hexachloroethane

Concen: 1.564 ug/l

RT: 13.876 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY020283.D

Acq: 13 Nov 2024 15:15

Instrument :

MSVOA_Y

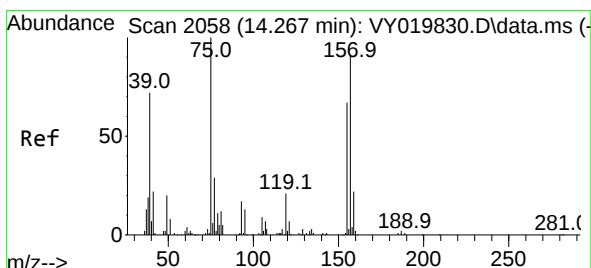
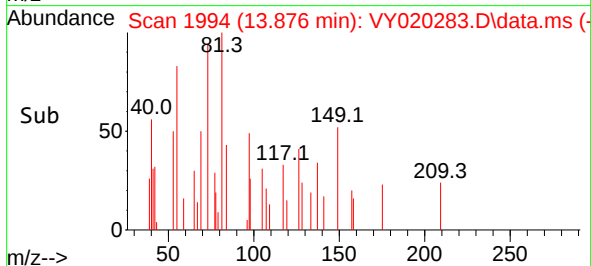
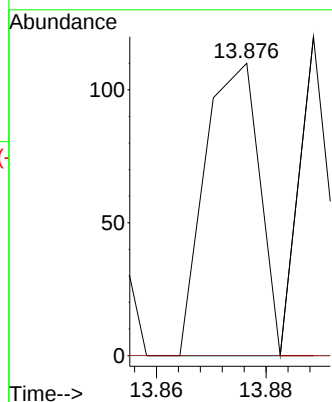
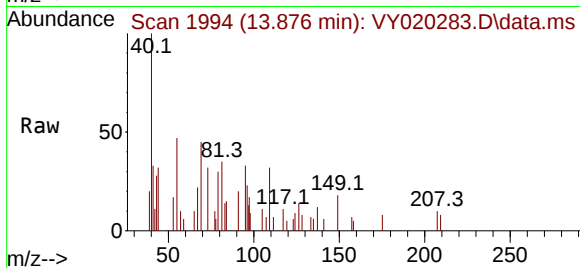
ClientSampleId :

Tgt Ion:117 Resp: 76

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.786 ug/l

RT: 14.261 min Scan# 2057

Delta R.T. -0.012 min

Lab File: VY020283.D

Acq: 13 Nov 2024 15:15

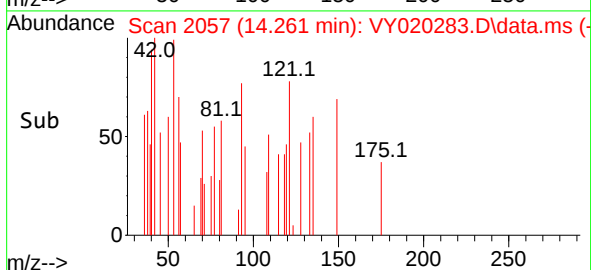
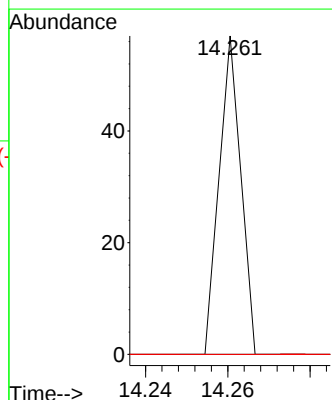
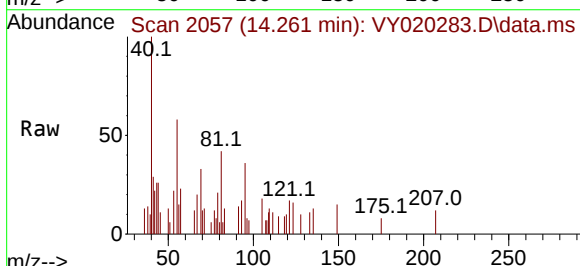
Tgt Ion: 75 Resp: 21

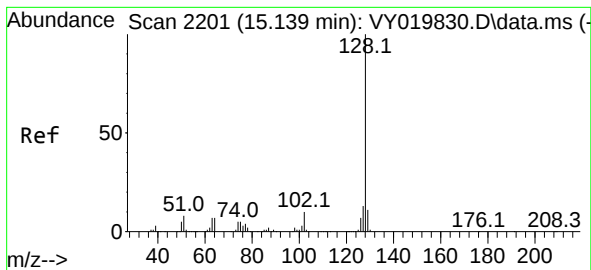
Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.8#

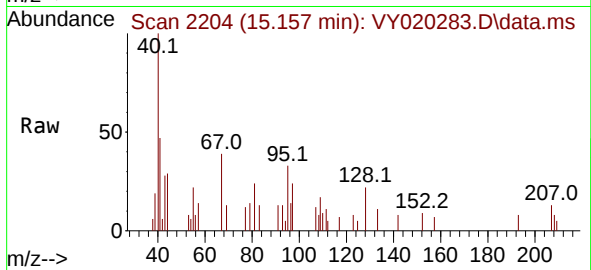
157 0.0 62.7 188.2#





#95
Naphthalene
Concen: 2.807 ug/l
RT: 15.157 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY020283.D
Acq: 13 Nov 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	286
Ion	Ratio	Lower	Upper
128	100		
127	10.1	10.6	16.0#
129	29.7	8.6	13.0#

