

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120722\
 Data File : VY011726.D
 Acq On : 07 Dec 2022 12:20
 Operator : KP/MD
 Sample : N5900-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-120622

Quant Time: Dec 08 07:55:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

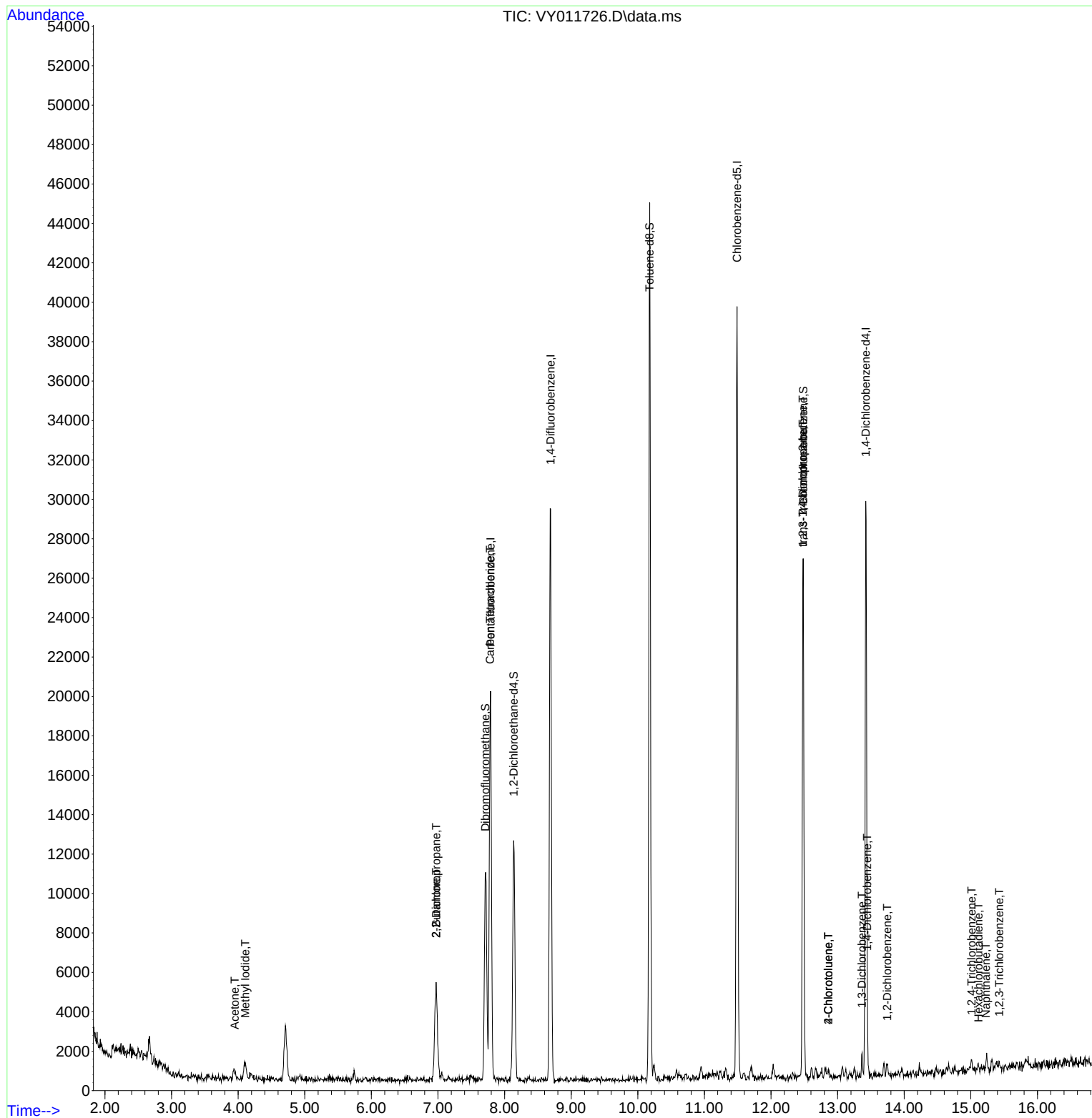
Internal Standards						
1) Pentafluorobenzene	7.789	168	15940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	25780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	21832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	8014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	9832	60.746	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.500%
35) Dibromofluoromethane	7.710	113	7943	50.050	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.100%
50) Toluene-d8	10.179	98	29616	51.354	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.700%
62) 4-Bromofluorobenzene	12.483	95	7829	36.717	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	73.440%
Target Compounds						Qvalue
3) Chloromethane	2.119	50	412	Below Cal	#	81
10) Methyl Iodide	4.107	142	1339	7.515	ug/l #	88
11) Tert butyl alcohol	4.930	59	200	Below Cal	#	77
16) Acetone	3.948	43	1005	19.116	ug/l #	85
18) Methyl Acetate	4.472	43	19	Below Cal	#	56
20) Methylene Chloride	4.710	84	1889	Below Cal		97
25) 2-Butanone	6.972	43	78	1.129	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	372	1.279	ug/l #	55
38) Carbon Tetrachloride	7.783	117	1698	6.118	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	4370	50.634	ug/l #	100
79) 2-Chlorotoluene	12.861	91	492	1.234	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.477	75	4370	110.906	ug/l #	7
82) 4-Chlorotoluene	12.861	91	492	1.181	ug/l	90
87) 1,3-Dichlorobenzene	13.367	146	450	1.633	ug/l	89
88) 1,4-Dichlorobenzene	13.446	146	563	2.044	ug/l	79
91) 1,2-Dichlorobenzene	13.745	146	432	1.769	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	191	1.410	ug/l #	56
94) Hexachlorobutadiene	15.117	225	150	1.781	ug/l #	55
95) Naphthalene	15.227	128	591	5.934	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.428	180	211	1.818	ug/l #	79

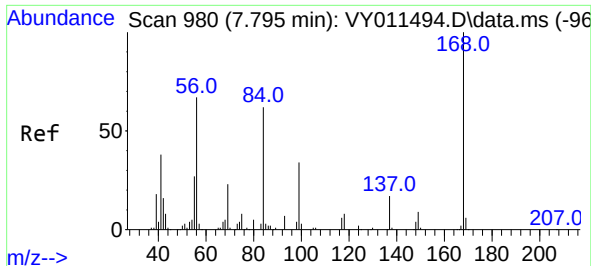
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 08 07:55:57 2022
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Quant Title : SW846 8260
QLast Update : Sat Nov 19 22:37:14 2022
Response via : Initial Calibration

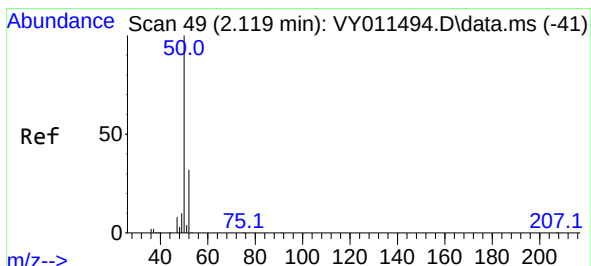
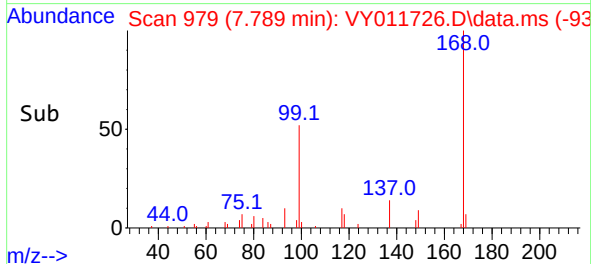
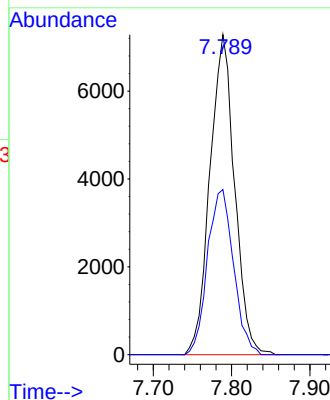
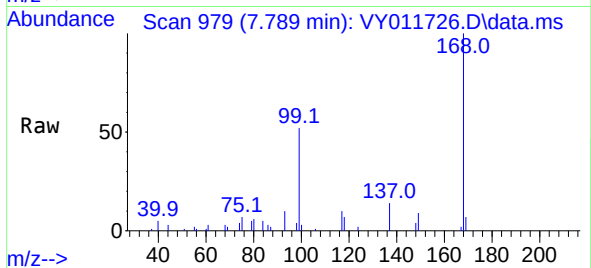




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

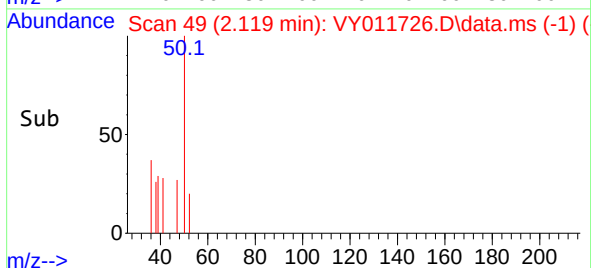
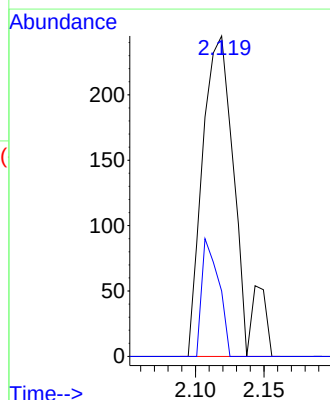
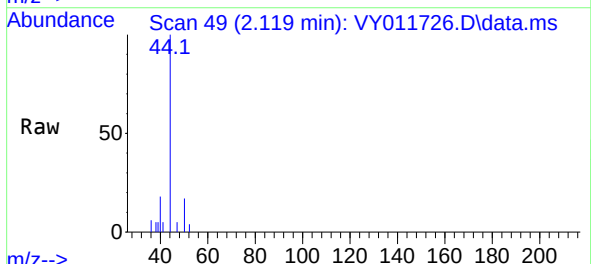
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

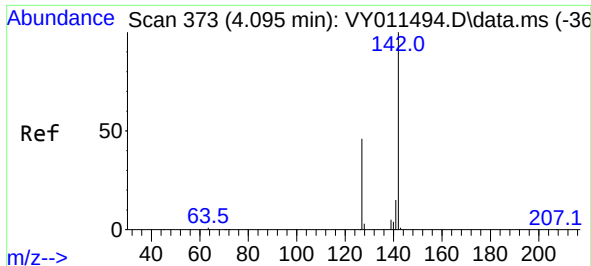
Tgt Ion:168 Resp: 15940
Ion Ratio Lower Upper
168 100
99 51.6 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Tgt Ion: 50 Resp: 412
Ion Ratio Lower Upper
50 100
52 20.4 24.6 37.0#

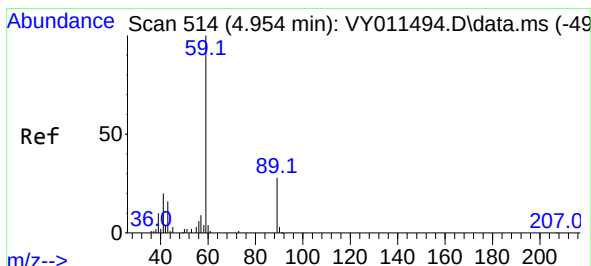
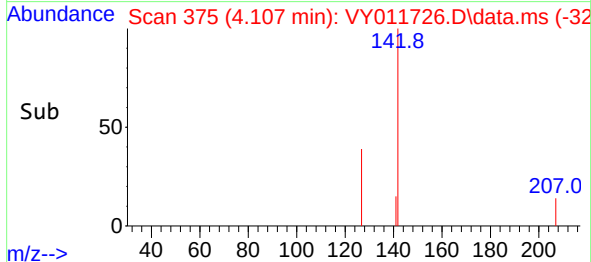
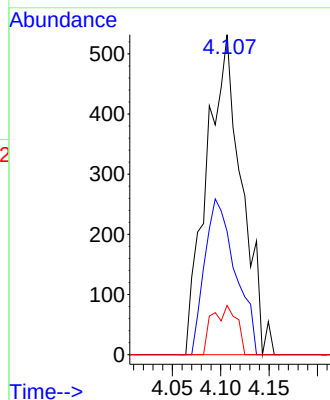
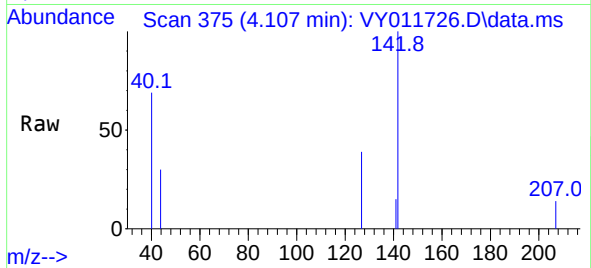




#10
Methyl Iodide
Concen: 7.515 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

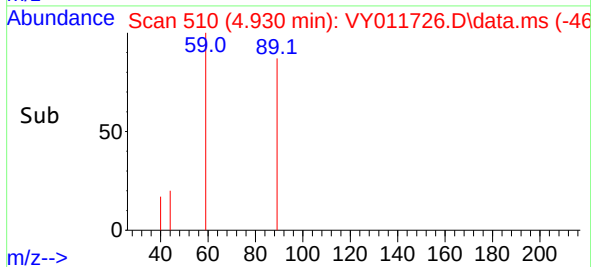
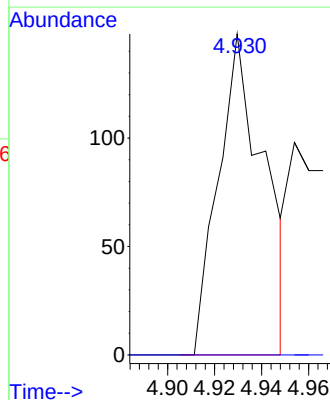
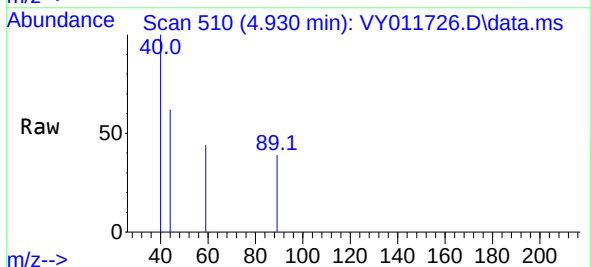
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

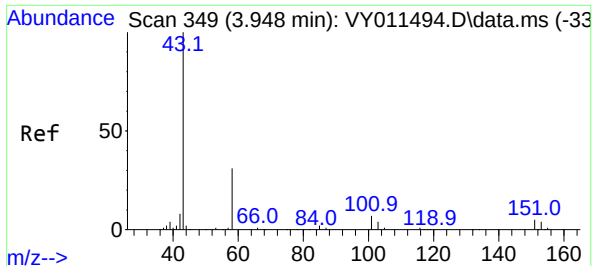
Tgt Ion:142 Resp: 1339
Ion Ratio Lower Upper
142 100
127 42.8 41.5 62.3
141 10.8 11.9 17.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

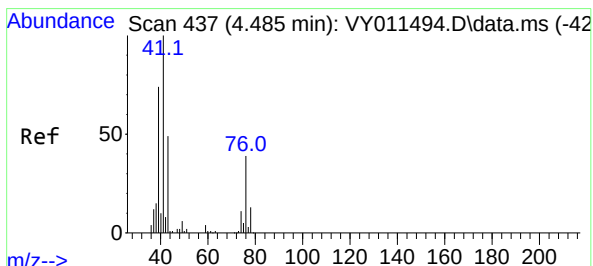
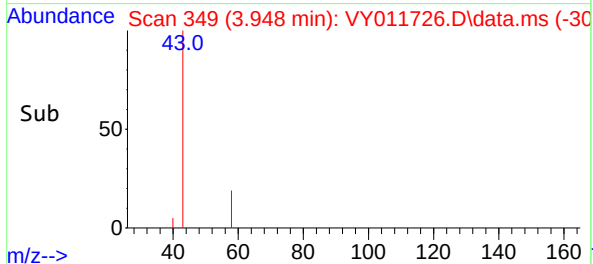
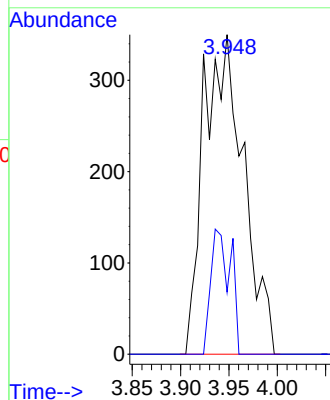
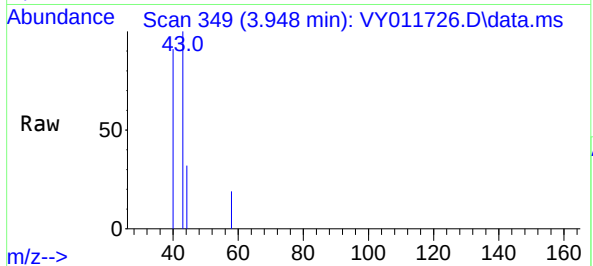




#16
Acetone
Concen: 19.116 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

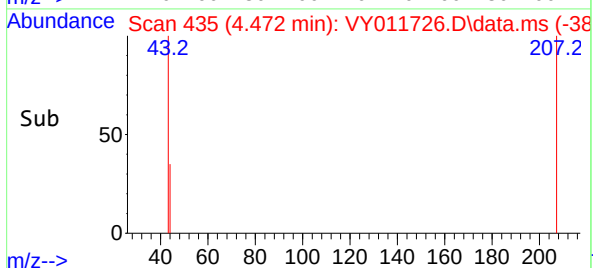
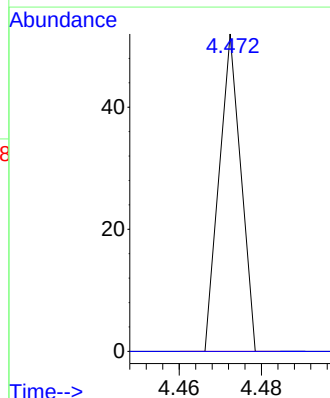
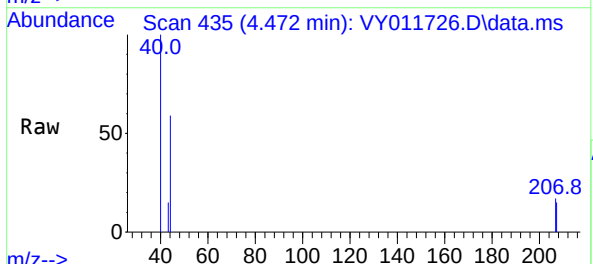
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

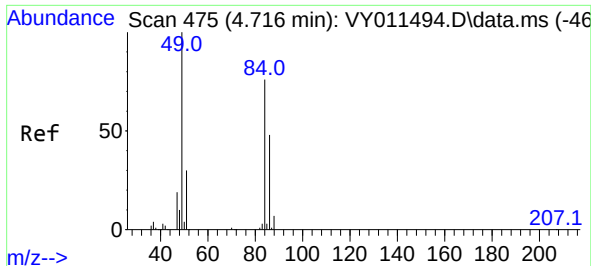
Tgt Ion: 43 Resp: 1005
Ion Ratio Lower Upper
43 100
58 19.4 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.013 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



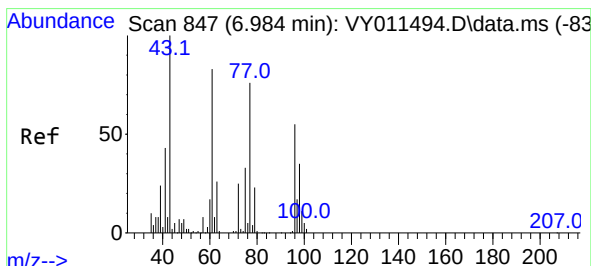
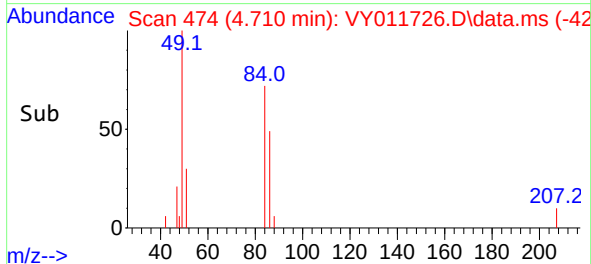
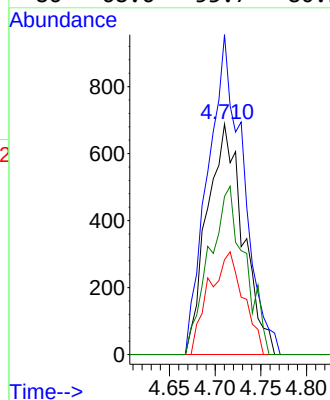
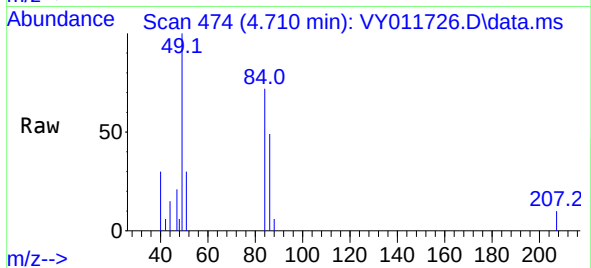


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

Tgt Ion: 84 Resp: 1889

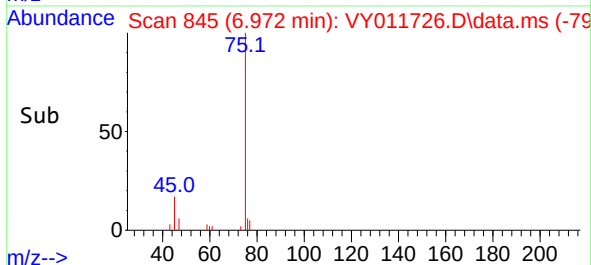
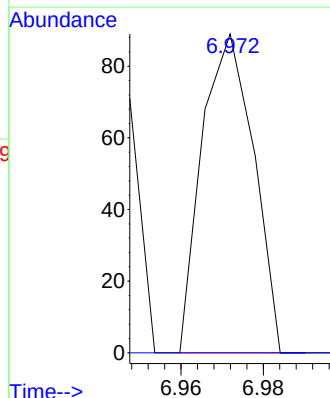
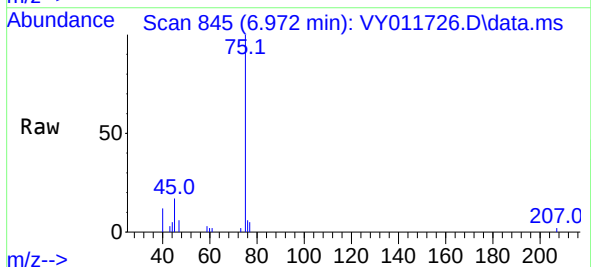
Ion	Ratio	Lower	Upper
84	100		
49	138.8	114.4	171.6
51	41.1	35.3	52.9
86	68.6	53.7	80.5

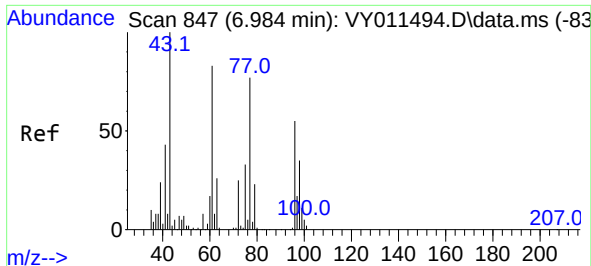


#25
2-Butanone
Concen: 1.129 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Tgt Ion: 43 Resp: 78

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#26

2,2-Dichloropropane

Concen: 1.279 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY011726.D

Acq: 07 Dec 2022 12:20

Instrument :

MSVOA_Y

ClientSampleId :

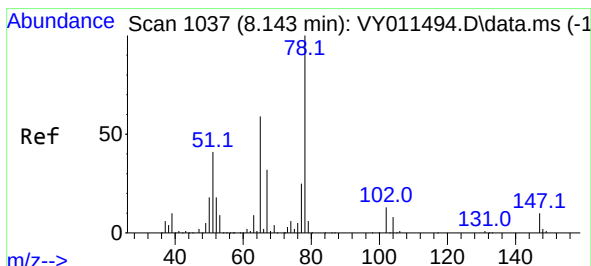
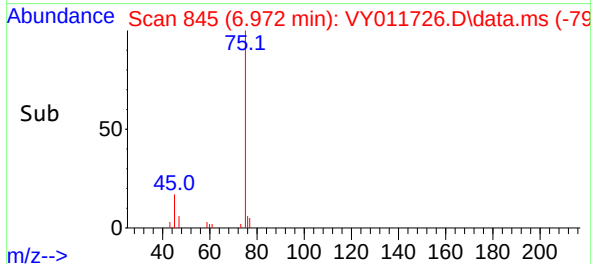
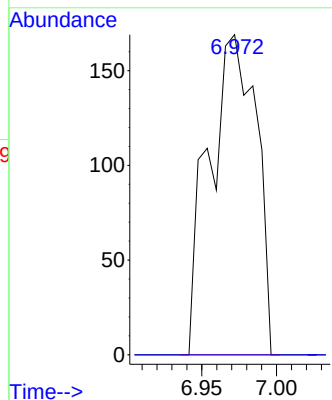
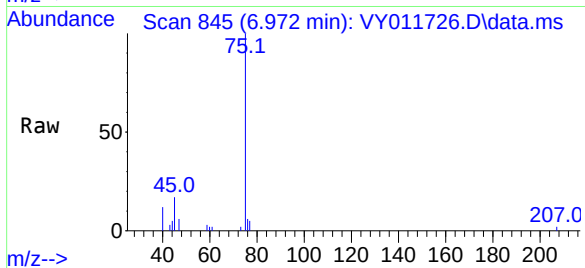
CL-02-120622

Tgt Ion: 77 Resp: 372

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#33

1,2-Dichloroethane-d4

Concen: 60.746 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY011726.D

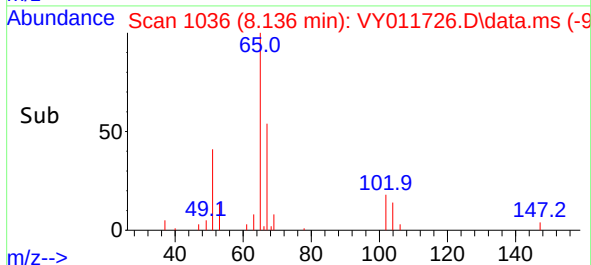
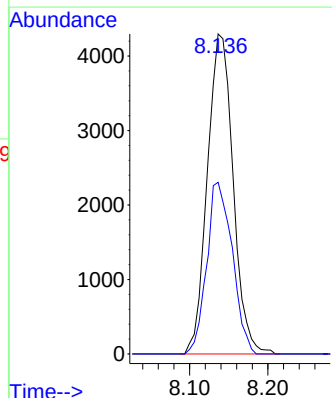
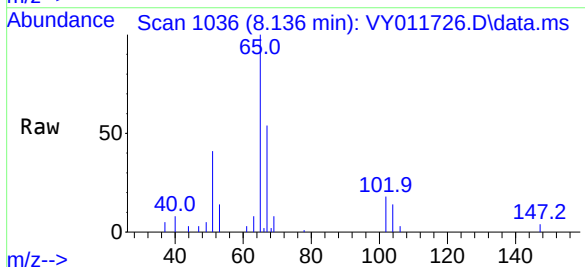
Acq: 07 Dec 2022 12:20

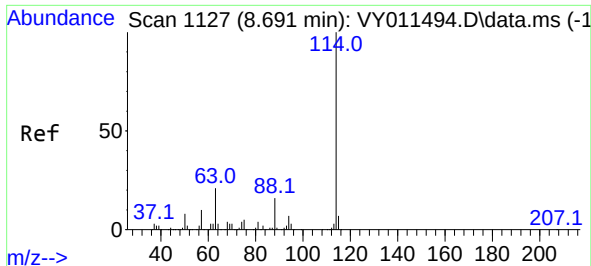
Tgt Ion: 65 Resp: 9832

Ion Ratio Lower Upper

65 100

67 53.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011726.D

Acq: 07 Dec 2022 12:20

Instrument :

MSVOA_Y

ClientSampleId :

CL-02-120622

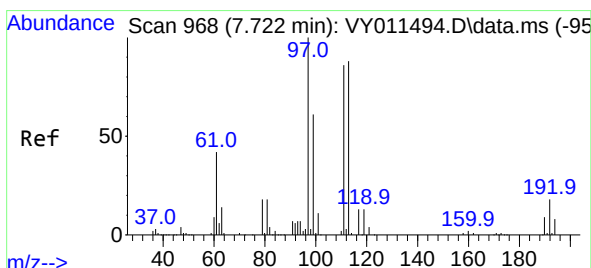
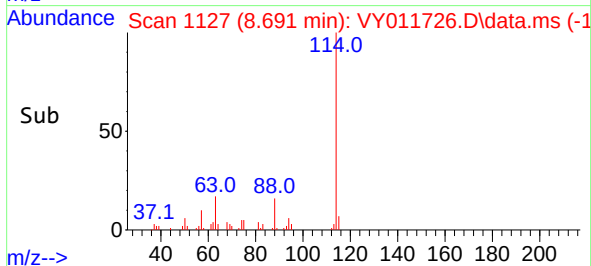
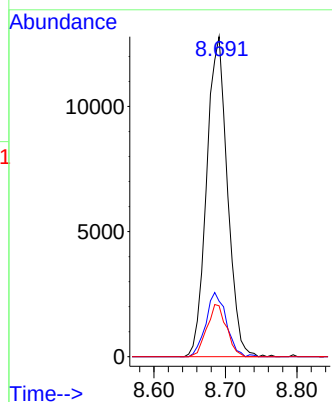
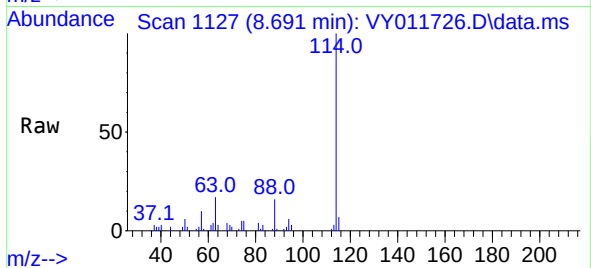
Tgt Ion:114 Resp: 25780

Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.050 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.012 min

Lab File: VY011726.D

Acq: 07 Dec 2022 12:20

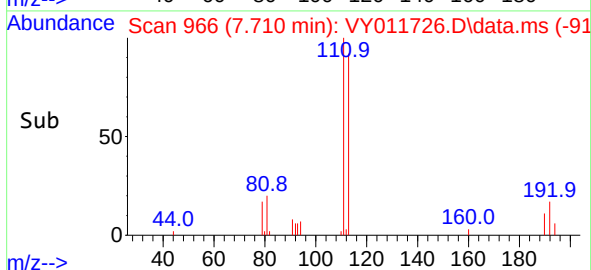
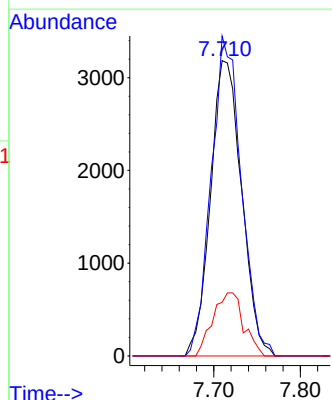
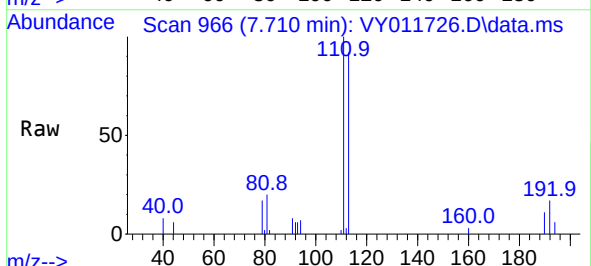
Tgt Ion:113 Resp: 7943

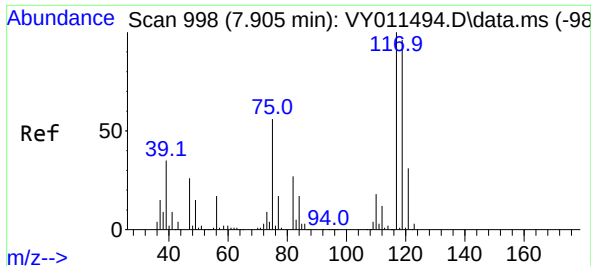
Ion Ratio Lower Upper

113 100

111 104.8 82.6 124.0

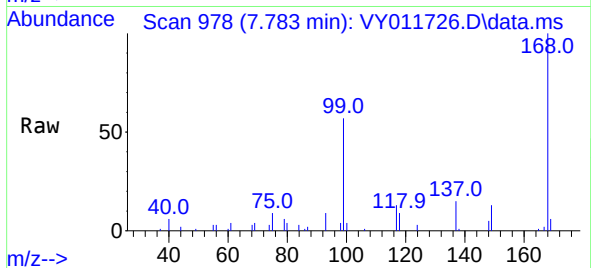
192 21.1 17.6 26.4



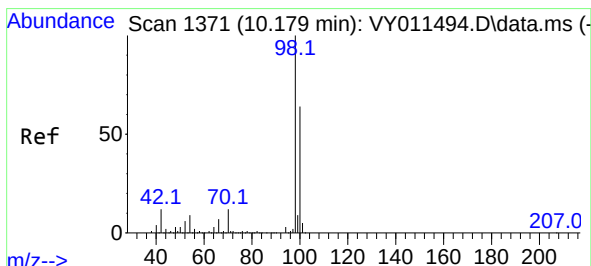
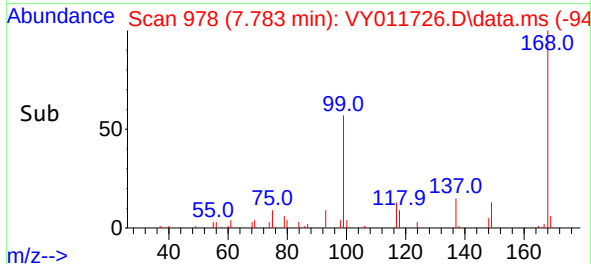
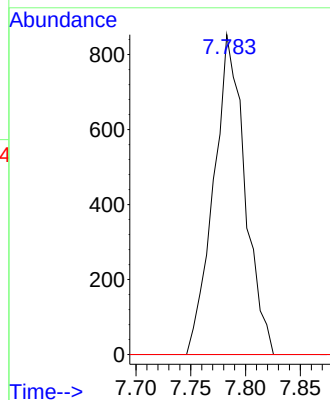


#38
Carbon Tetrachloride
Concen: 6.118 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

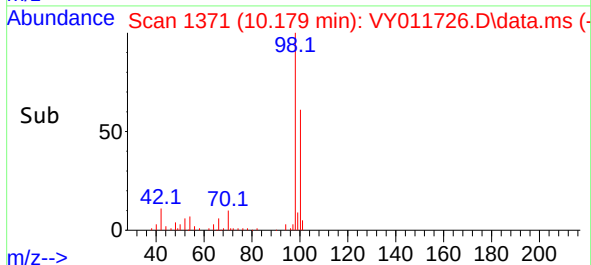
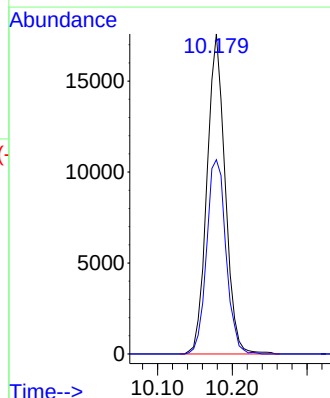
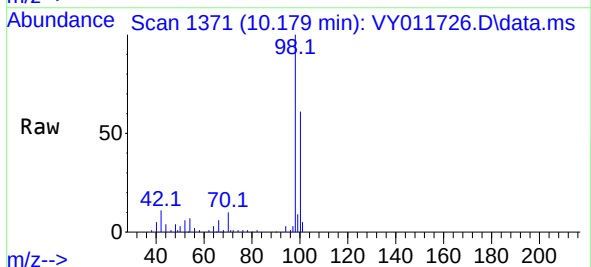


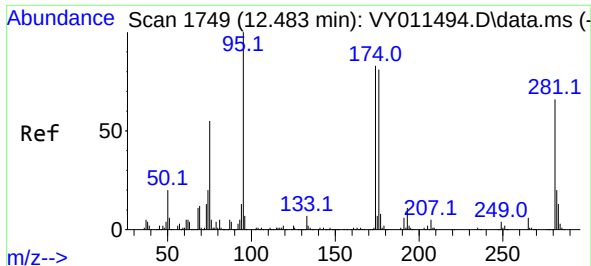
Tgt Ion:117 Resp: 1698
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.354 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Tgt Ion: 98 Resp: 29616
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

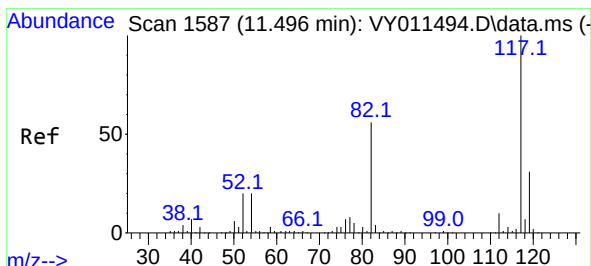
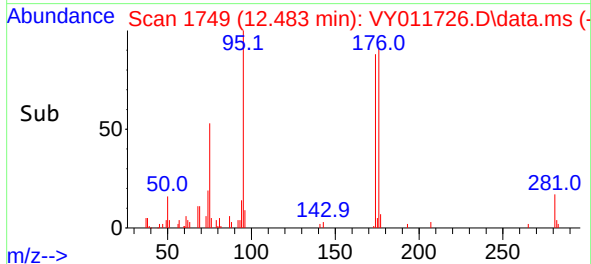
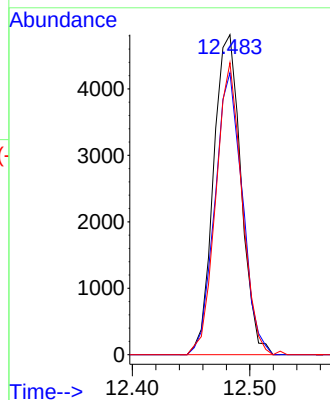
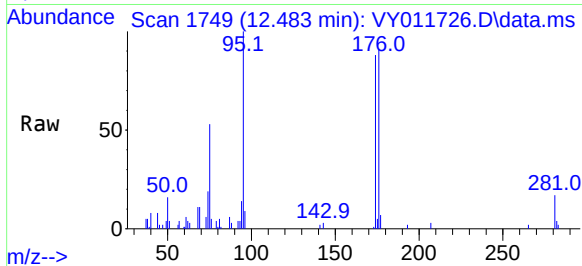




#62
4-Bromofluorobenzene
Concen: 36.717 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

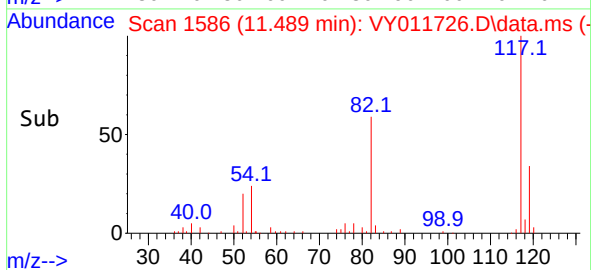
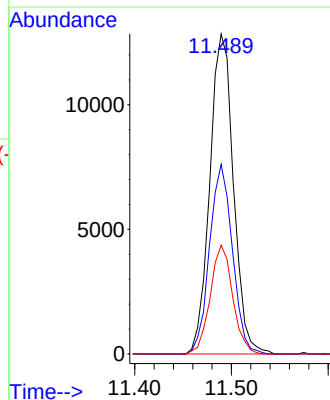
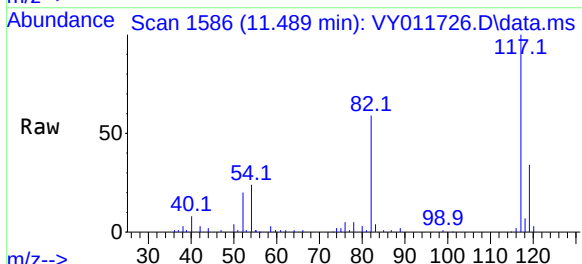
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

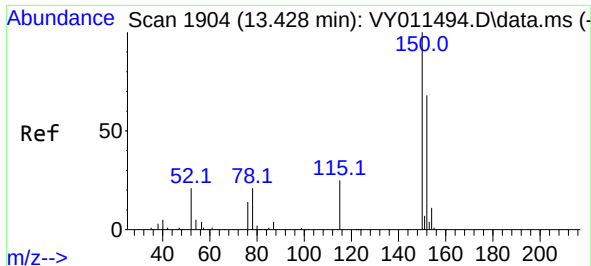
Tgt Ion:	95	Resp:	7829
Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	177.0
176	86.8	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Tgt Ion:	117	Resp:	21832
Ion	Ratio	Lower	Upper
117	100		
82	59.2	43.0	64.4
119	34.0	25.4	38.0

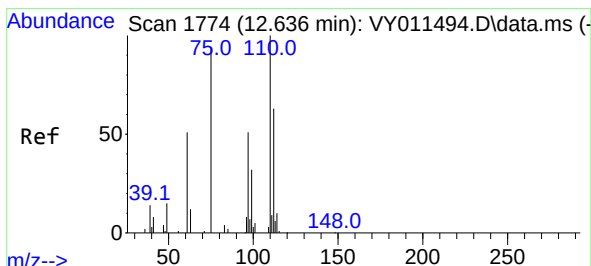
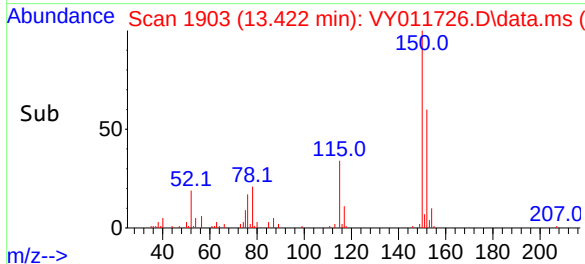
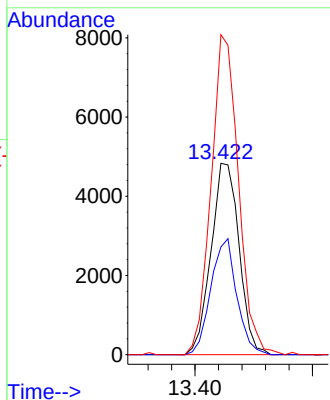
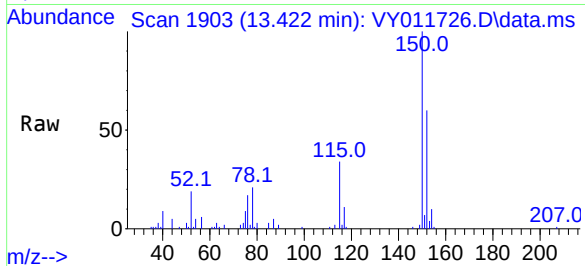




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY011726.D
 Acq: 07 Dec 2022 12:20

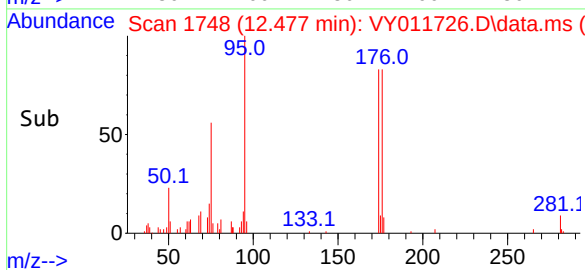
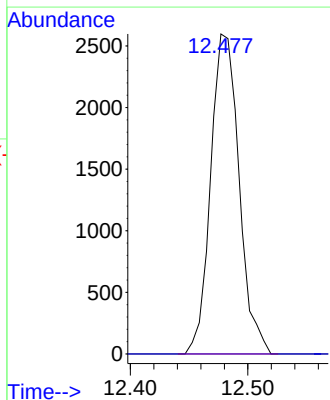
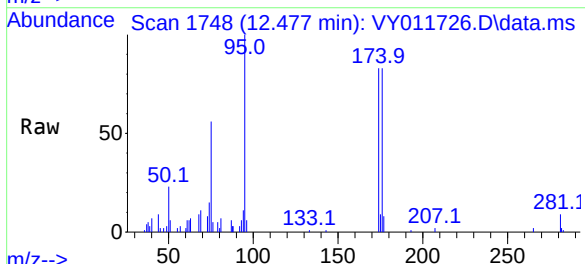
Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-120622

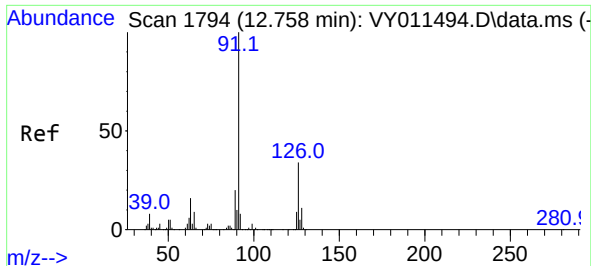
Tgt Ion:152 Resp: 8014
 Ion Ratio Lower Upper
 152 100
 115 56.1 28.2 84.7
 150 162.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 50.634 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY011726.D
 Acq: 07 Dec 2022 12:20

Tgt Ion: 75 Resp: 4370
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

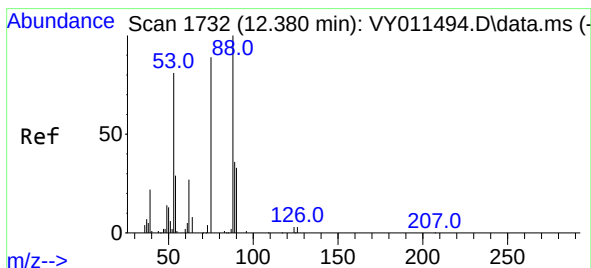
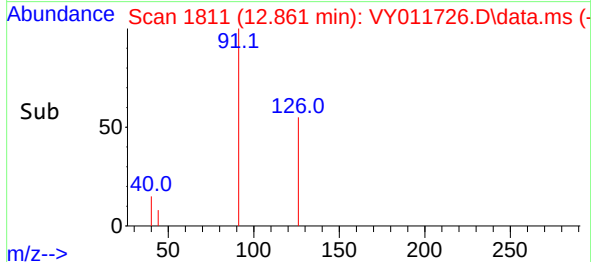
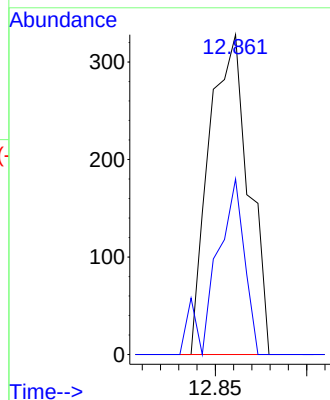
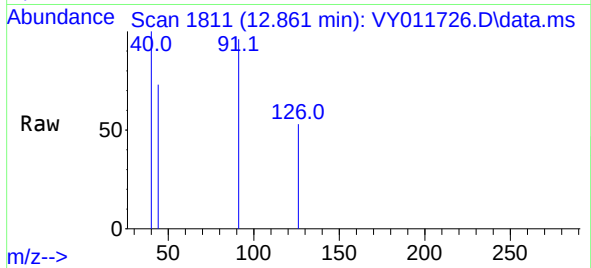




#79
2-Chlorotoluene
Concen: 1.234 ug/l
RT: 12.861 min Scan# 1794
Delta R.T. 0.103 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

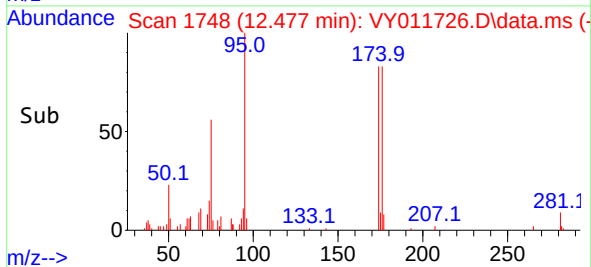
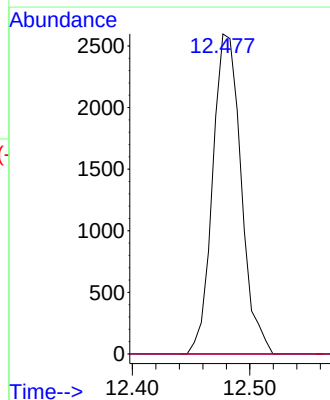
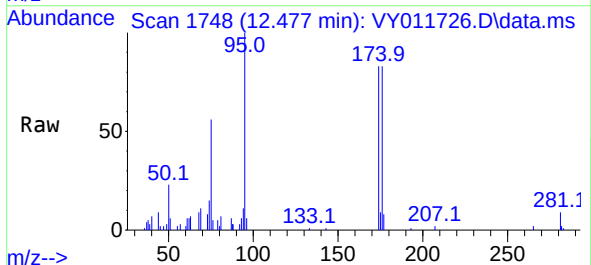
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

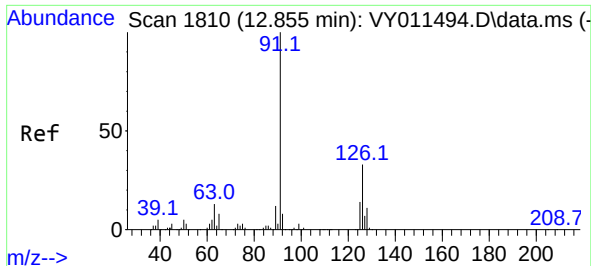
Tgt Ion: 91 Resp: 492
Ion Ratio Lower Upper
91 100
126 39.8 16.9 50.6



#81
trans-1,4-Dichloro-2-butene
Concen: 110.906 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Tgt Ion: 75 Resp: 4370
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

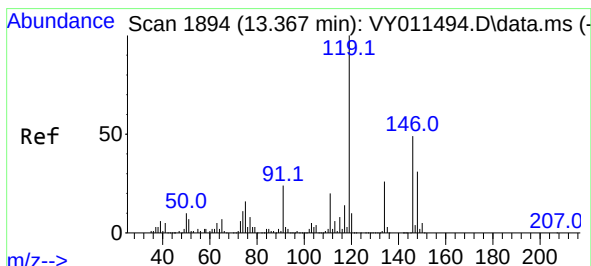
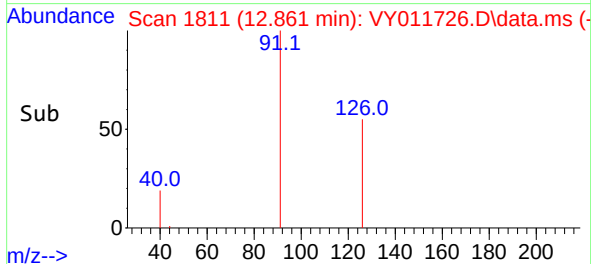
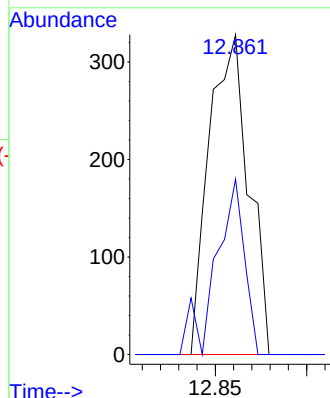
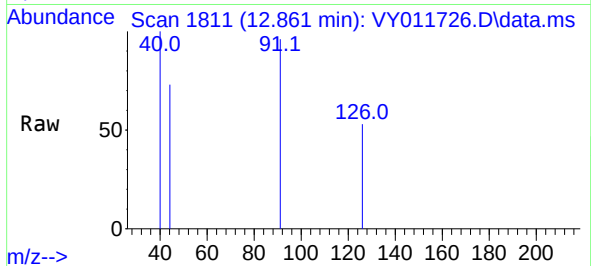




#82
4-Chlorotoluene
Concen: 1.181 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

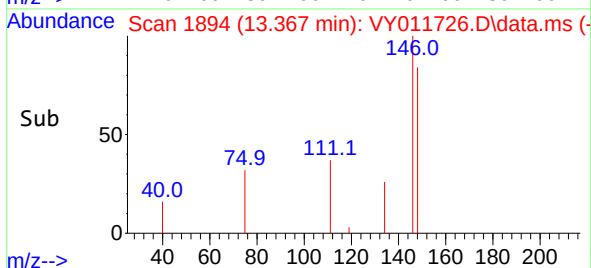
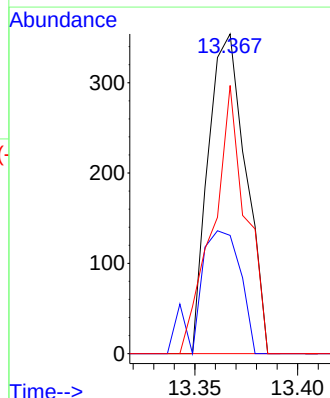
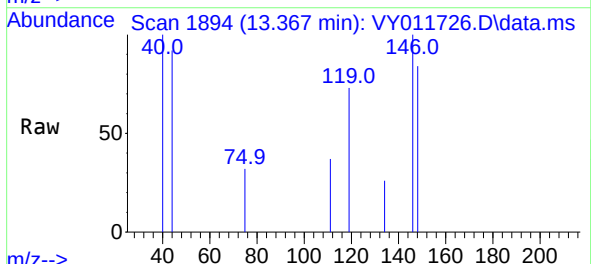
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

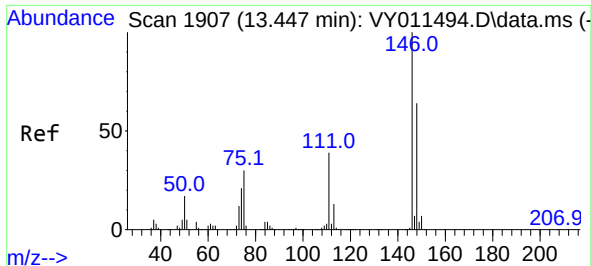
Tgt Ion: 91 Resp: 492
Ion Ratio Lower Upper
91 100
126 39.8 17.0 51.0



#87
1,3-Dichlorobenzene
Concen: 1.633 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Tgt Ion: 146 Resp: 450
Ion Ratio Lower Upper
146 100
111 42.7 19.5 58.5
148 73.8 31.6 95.0

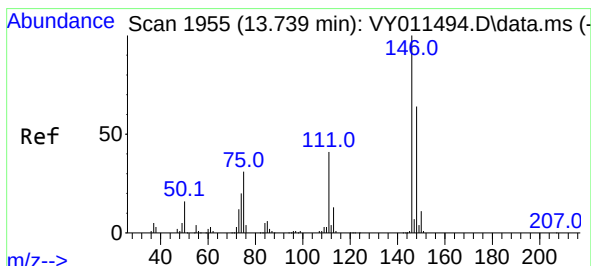
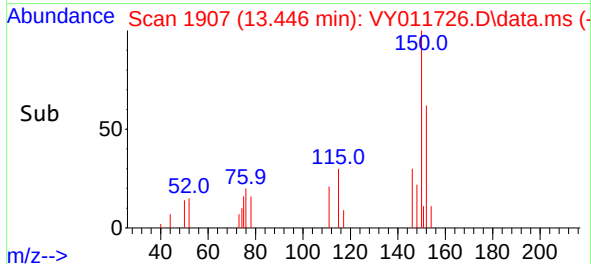
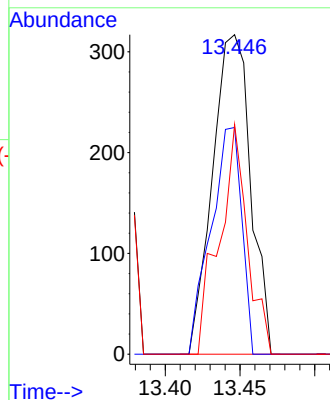
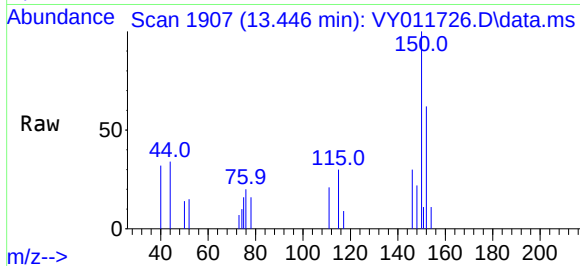




#88
1,4-Dichlorobenzene
Concen: 2.044 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. -0.001 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

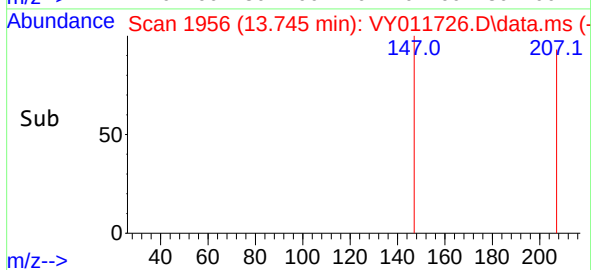
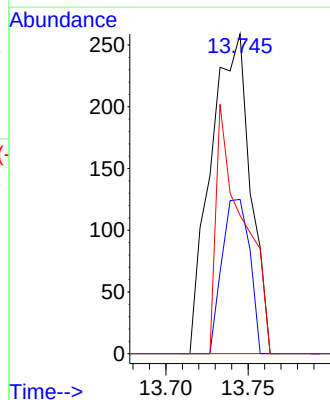
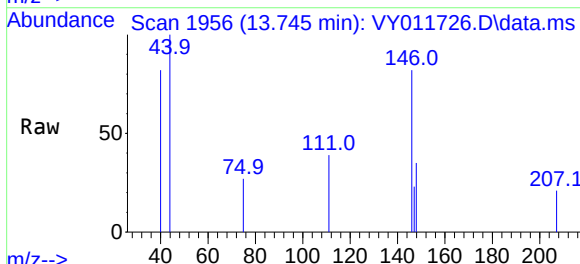
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

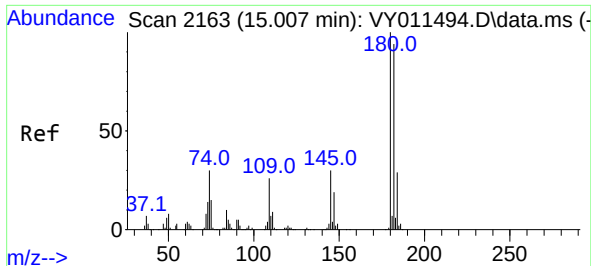
Tgt Ion:146	Resp:	563
Ion	Ratio	Lower Upper
146	100	
111	57.4	19.3 57.8
148	52.9	32.6 97.8



#91
1,2-Dichlorobenzene
Concen: 1.769 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Tgt Ion:146	Resp:	432
Ion	Ratio	Lower Upper
146	100	
111	33.8	20.3 60.9
148	53.0	32.3 96.9

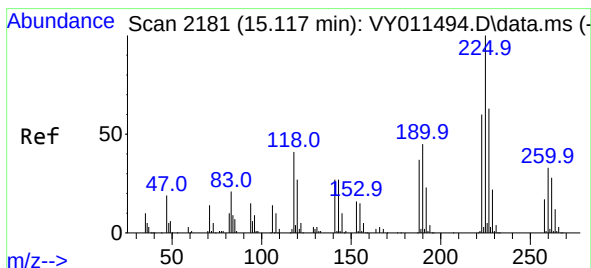
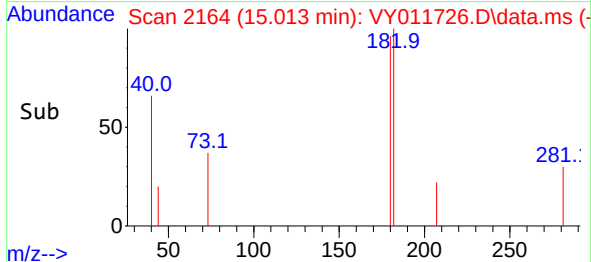
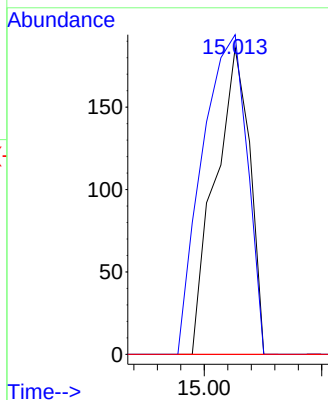
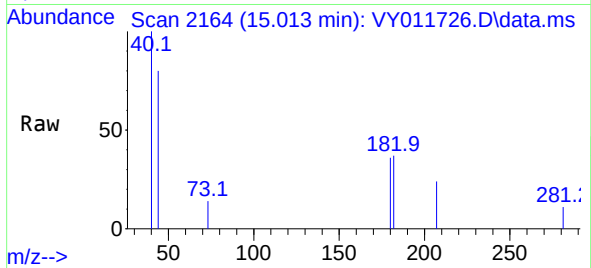




#93
1,2,4-Trichlorobenzene
Concen: 1.410 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.006 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

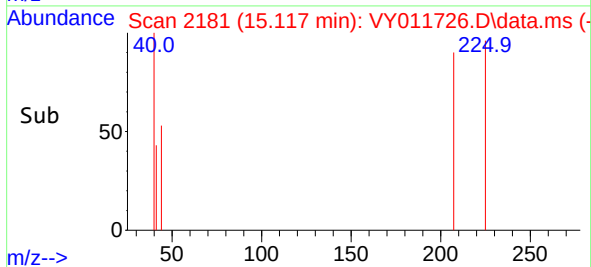
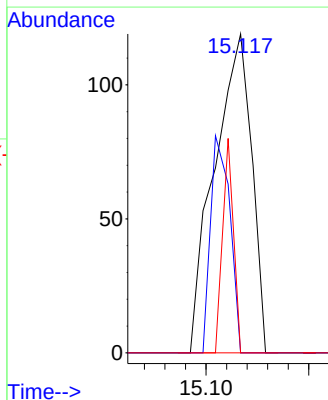
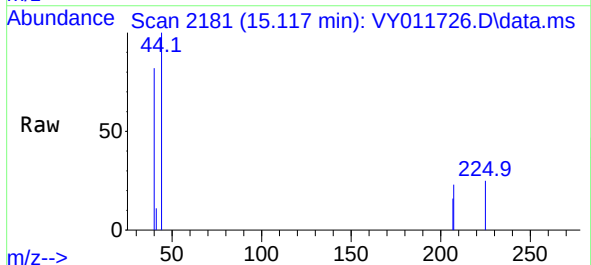
Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

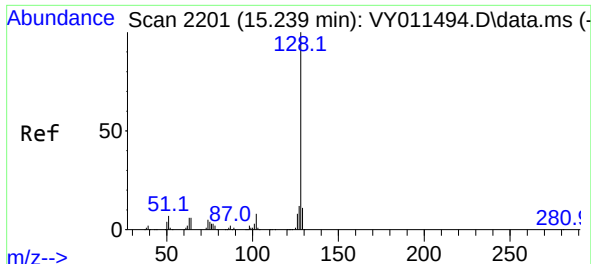
Tgt Ion:180 Resp: 191
Ion Ratio Lower Upper
180 100
182 134.6 47.3 141.9
145 0.0 14.6 43.8#



#94
Hexachlorobutadiene
Concen: 1.781 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. -0.000 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Tgt Ion:225 Resp: 150
Ion Ratio Lower Upper
225 100
223 35.3 30.8 92.3
227 19.3 31.6 94.7#

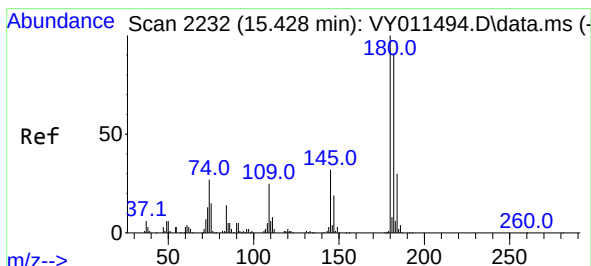
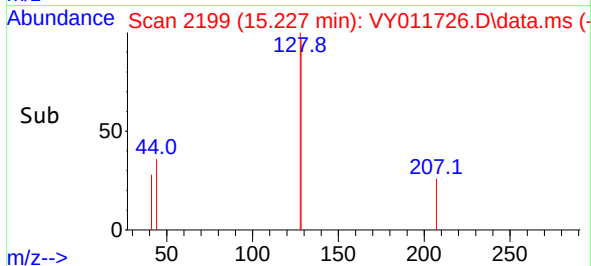
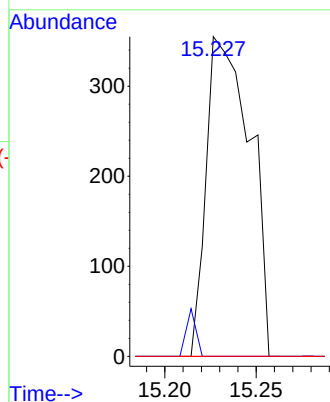
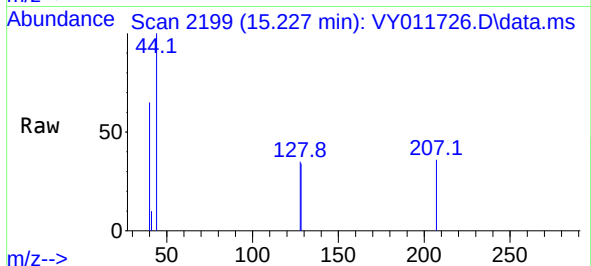




#95
Naphthalene
Concen: 5.934 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.012 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Instrument :
MSVOA_Y
ClientSampleId :
CL-02-120622

Tgt Ion:128 Resp: 591
Ion Ratio Lower Upper
128 100
127 3.2 11.0 16.4#
129 0.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 1.818 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY011726.D
Acq: 07 Dec 2022 12:20

Tgt Ion:180 Resp: 211
Ion Ratio Lower Upper
180 100
182 104.3 47.3 141.9
145 0.0 15.3 45.9#

