

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101223\
 Data File : VY015945.D
 Acq On : 12 Oct 2023 19:54
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 13 13:14:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

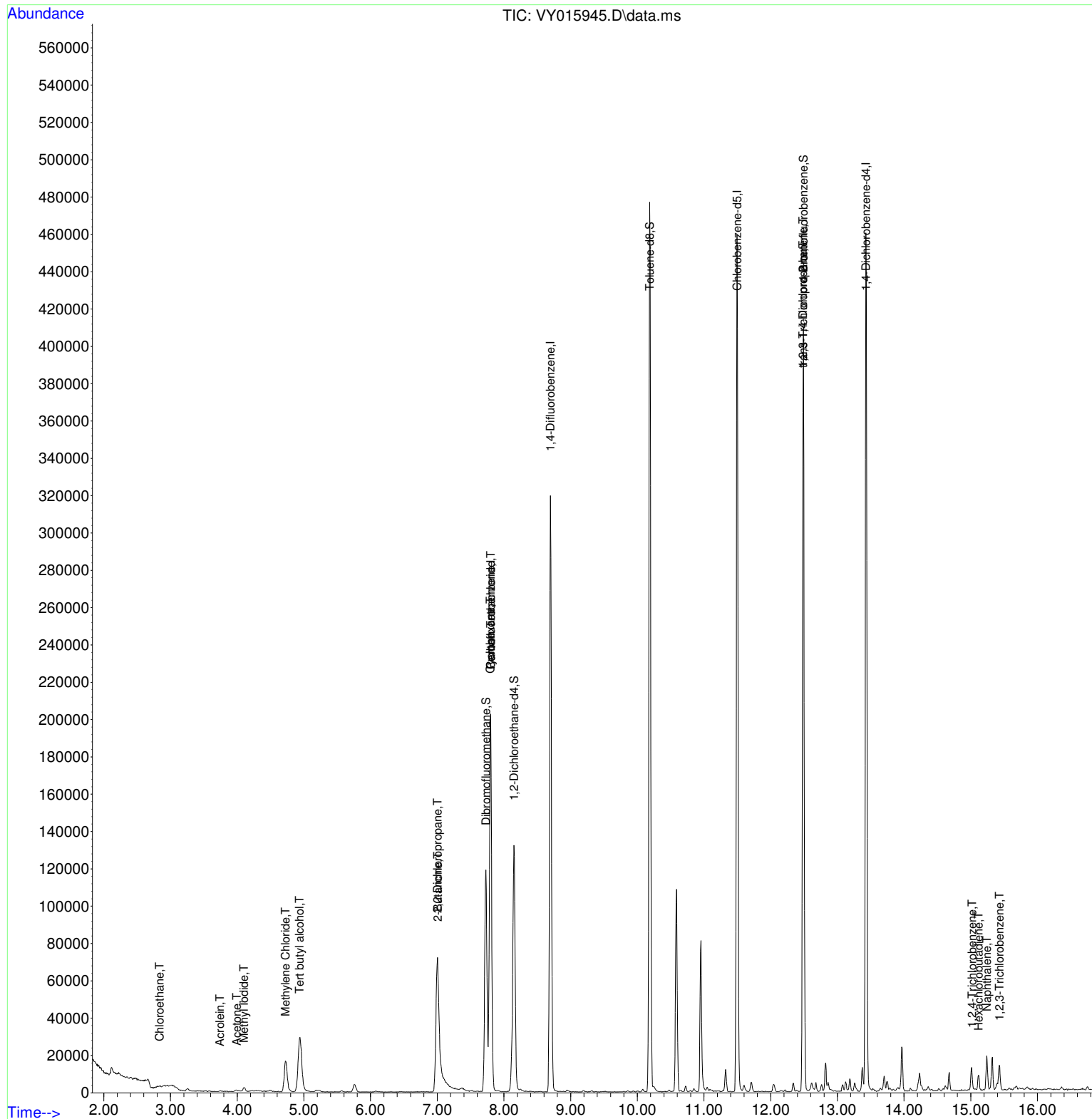
Internal Standards						
1) Pentafluorobenzene	7.801	168	162258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	272213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	252720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120127	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	99674	53.83	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 107.66%		
35) Dibromofluoromethane	7.728	113	87591	51.11	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 102.22%		
50) Toluene-d8	10.185	98	322200	50.20	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 100.40%		
62) 4-Bromofluorobenzene	12.489	95	112190	49.09	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 98.18%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	2271	Below Cal		91
6) Chloroethane	2.833	64	1678	1.50 ug/l	#	65
10) Methyl Iodide	4.101	142	3535	1.84 ug/l		94
11) Tert butyl alcohol	4.936	59	29715	27.66 ug/l	#	92
13) Acrolein	3.741	56	419	1.20 ug/l		89
16) Acetone	3.991	43	1395	1.30 ug/l		98
20) Methylene Chloride	4.723	84	13346	2.56 ug/l	#	81
25) 2-Butanone	7.009	43	4888	3.12 ug/l	#	85
26) 2,2-Dichloropropane	7.003	77	6528	2.50 ug/l	#	54
31) Cyclohexane	7.795	56	3267	1.11 ug/l	#	1
38) Carbon Tetrachloride	7.801	117	15712	5.77 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	57987	24.67 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57987	58.10 ug/l	#	11
93) 1,2,4-Trichlorobenzene	15.020	180	4089	1.62 ug/l		98
94) Hexachlorobutadiene	15.117	225	1527	1.19 ug/l		95
95) Naphthalene	15.239	128	15423	1.88 ug/l		97
96) 1,2,3-Trichlorobenzene	15.428	180	4456	1.84 ug/l		99

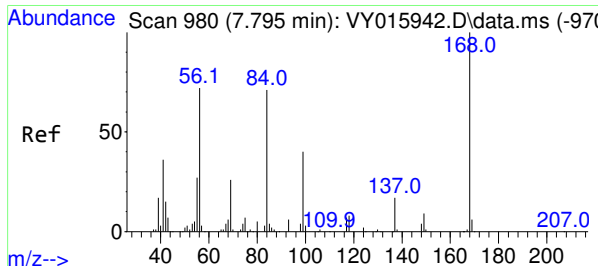
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 13 13:13:02 2023
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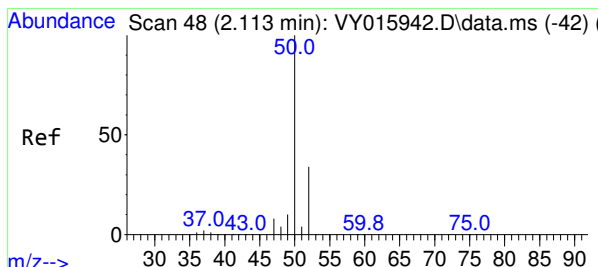
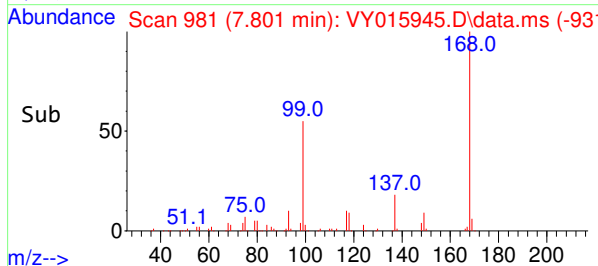
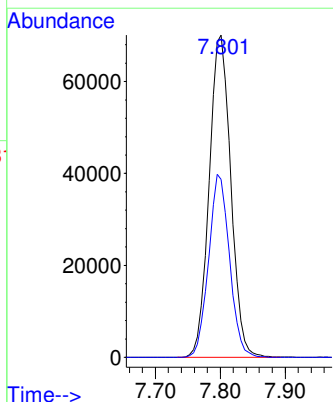
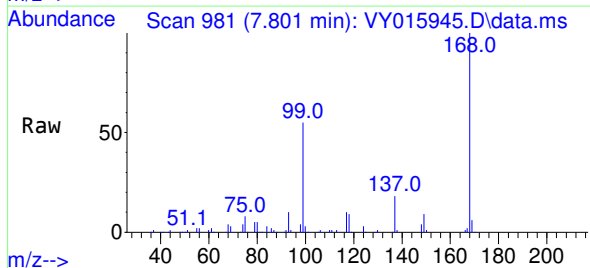




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

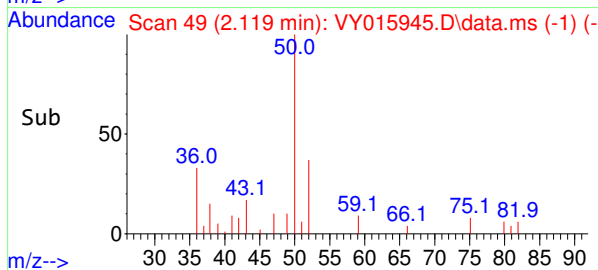
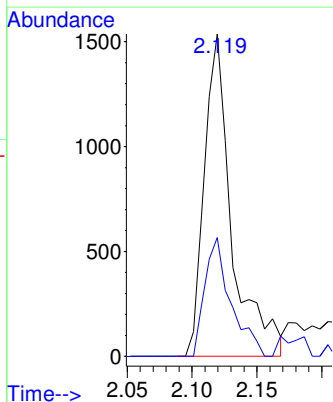
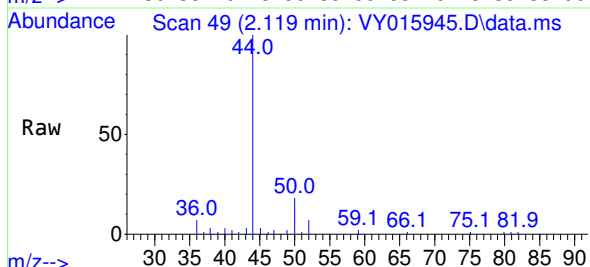
Instrument :
MSVOA_Y
ClientSampleId :

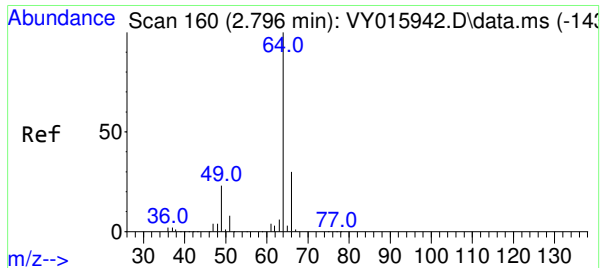
Tgt Ion:168 Resp: 162258
Ion Ratio Lower Upper
168 100
99 55.2 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

Tgt Ion: 50 Resp: 2271
Ion Ratio Lower Upper
50 100
52 36.8 25.4 38.2

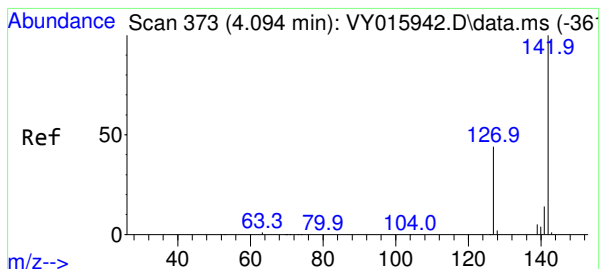
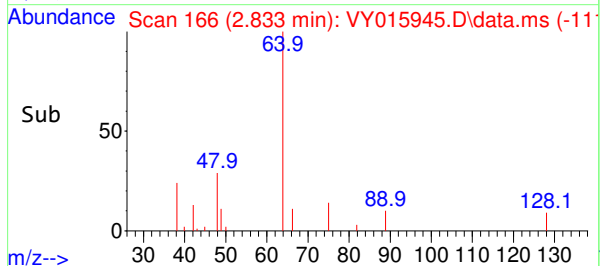
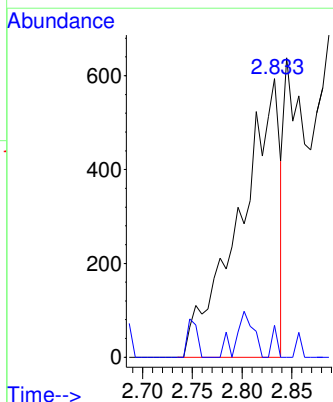
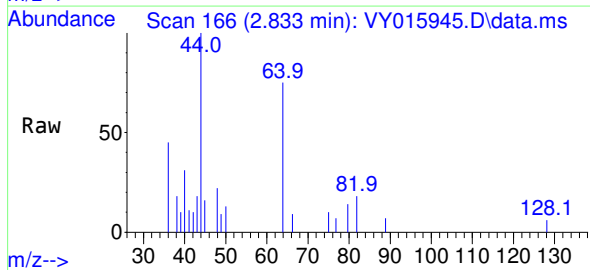




#6
Chloroethane
Concen: 1.50 ug/l
RT: 2.833 min Scan# 1
Delta R.T. 0.037 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

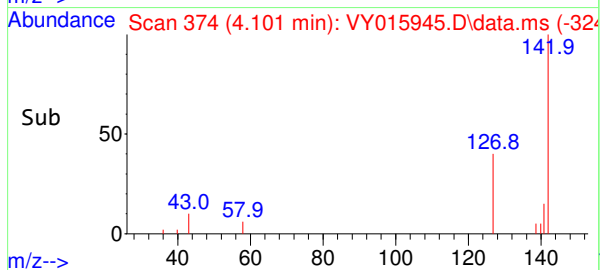
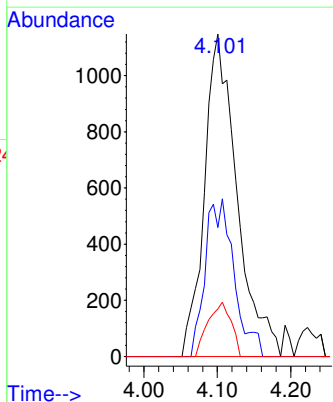
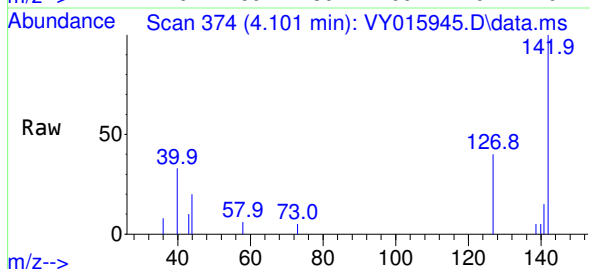
Instrument :
MSVOA_Y
ClientSampleId :

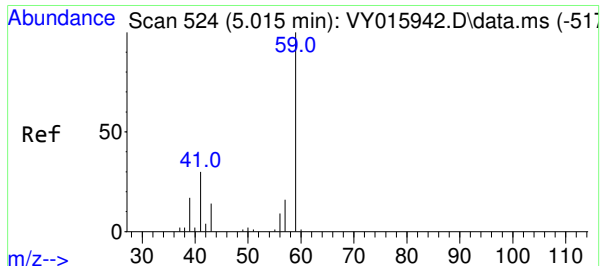
Tgt Ion: 64 Resp: 1678
Ion Ratio Lower Upper
64 100
66 11.4 24.4 36.6#



#10
Methyl Iodide
Concen: 1.84 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

Tgt Ion:142 Resp: 3535
Ion Ratio Lower Upper
142 100
127 43.0 37.6 56.4
141 12.0 11.8 17.8

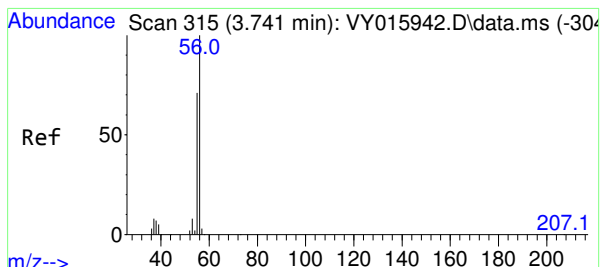
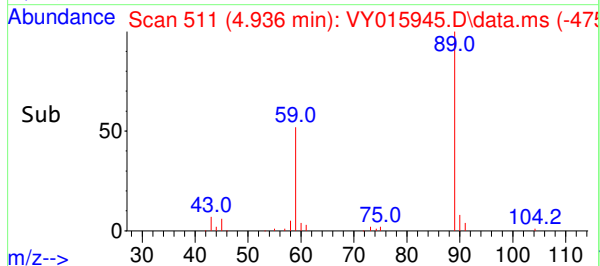
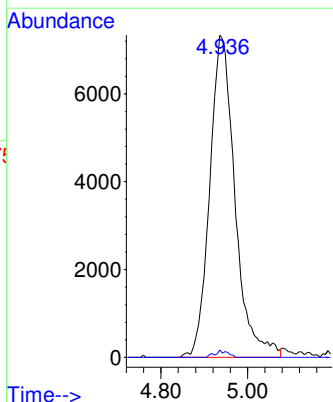
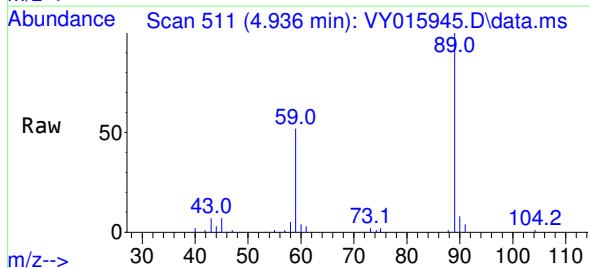




#11
Tert butyl alcohol
Concen: 27.66 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.079 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

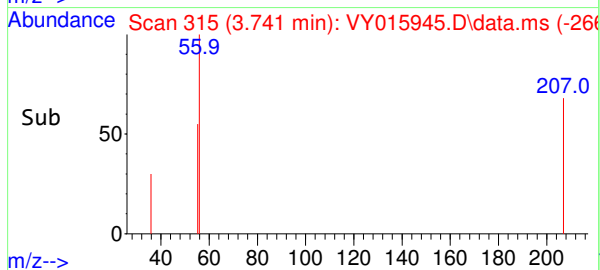
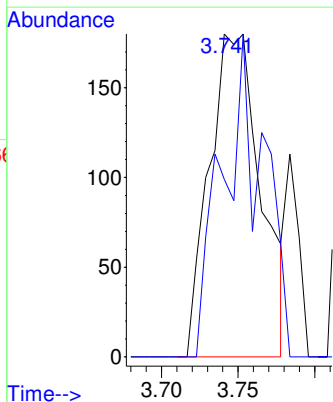
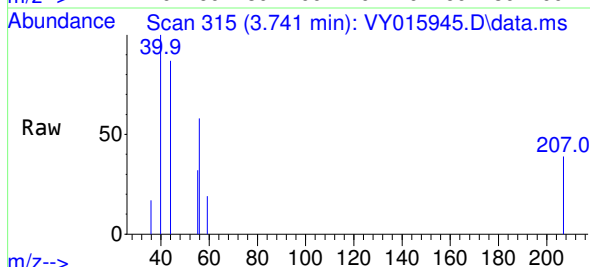
Instrument :
MSVOA_Y
ClientSampleId :

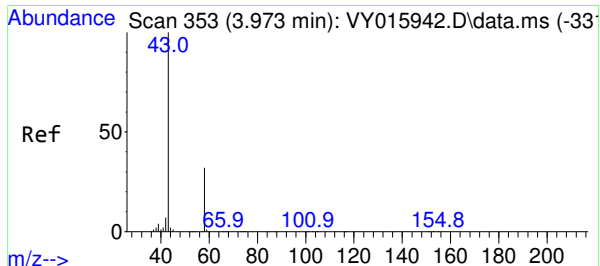
Tgt Ion: 59 Resp: 29715
Ion Ratio Lower Upper
59 100
57 1.1 3.0 4.4#



#13
Acrolein
Concen: 1.20 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.000 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

Tgt Ion: 56 Resp: 419
Ion Ratio Lower Upper
56 100
55 80.2 57.0 85.4

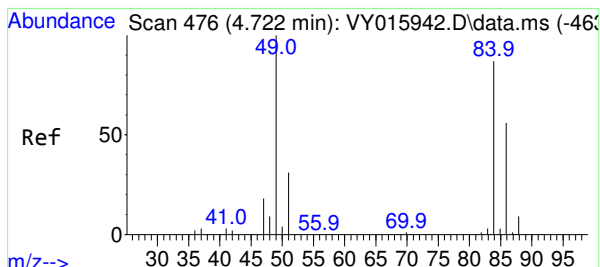
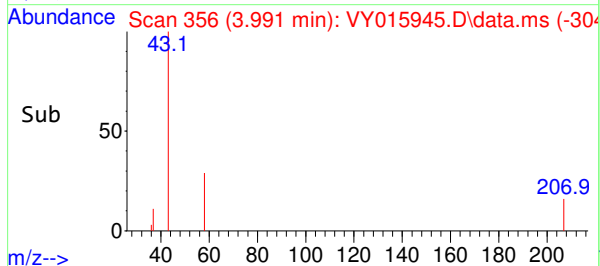
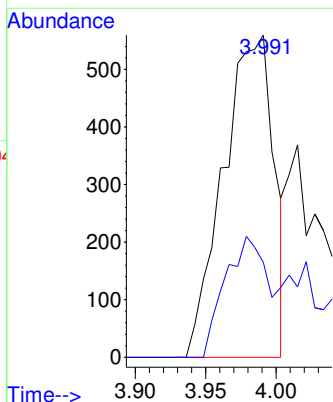
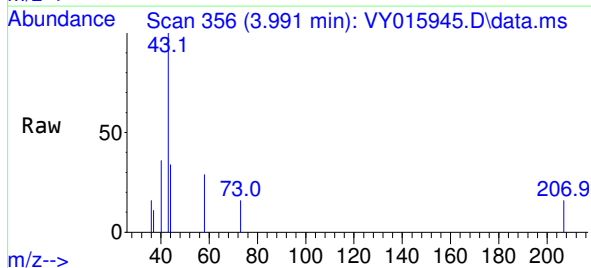




#16
Acetone
Concen: 1.30 ug/l
RT: 3.991 min Scan# 353
Delta R.T. 0.018 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

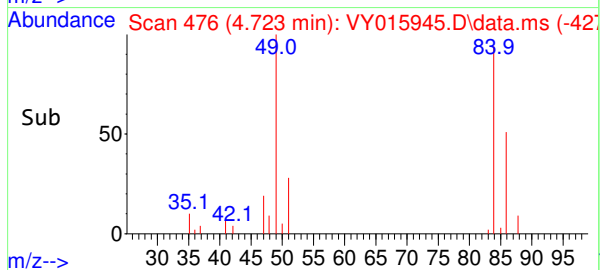
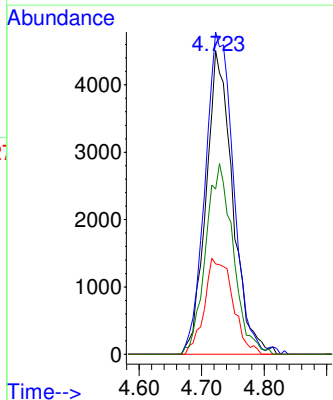
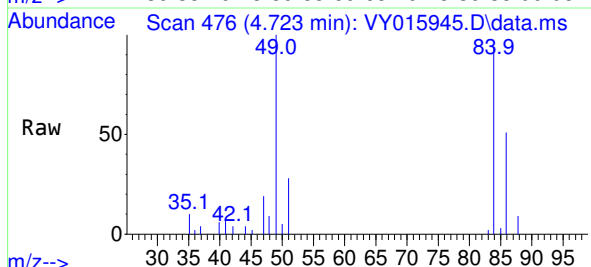
Instrument : MSVOA_Y
ClientSampleId :

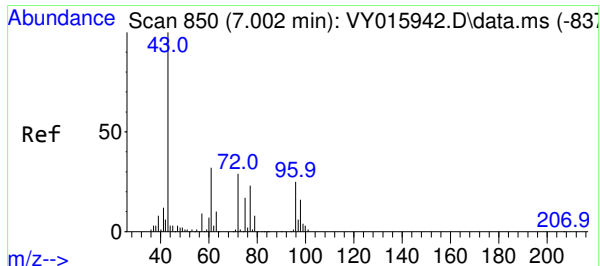
Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
58 29.5 22.7 34.1



#20
Methylene Chloride
Concen: 2.56 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.001 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

Tgt Ion: 84 Resp: 13346
Ion Ratio Lower Upper
84 100
49 106.2 106.9 160.3#
51 29.7 33.2 49.8#
86 54.4 51.0 76.6

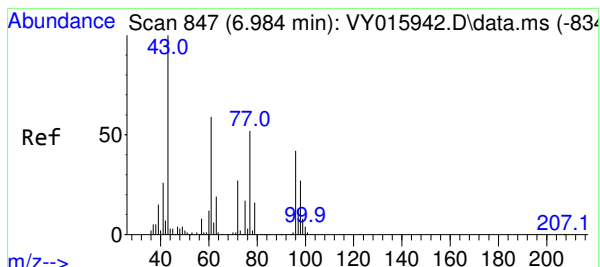
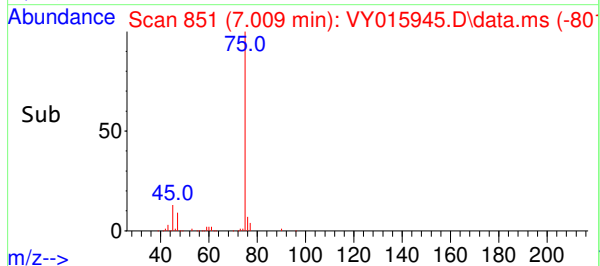
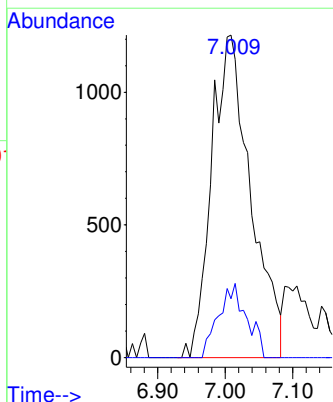
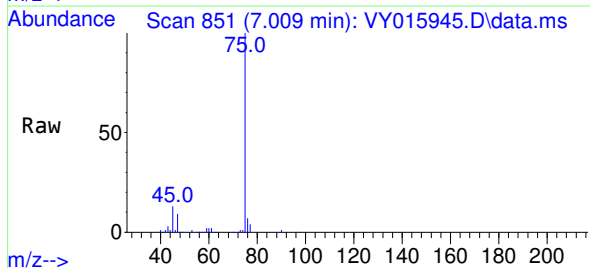




#25
2-Butanone
Concen: 3.12 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

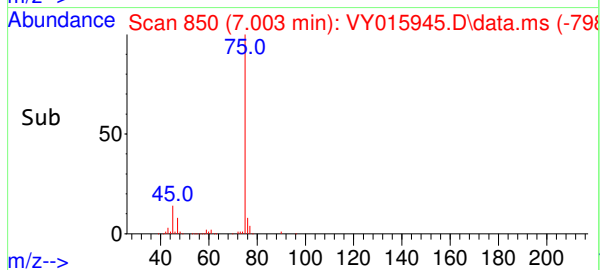
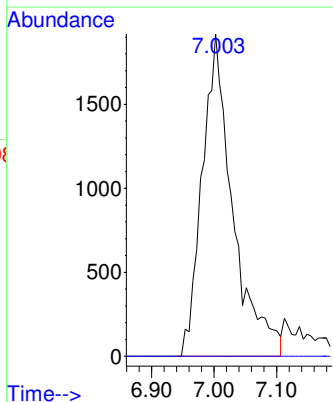
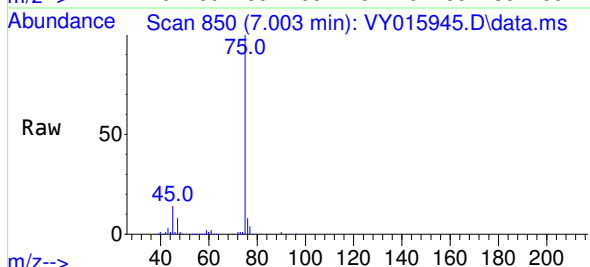
Instrument :
MSVOA_Y
ClientSampleId :

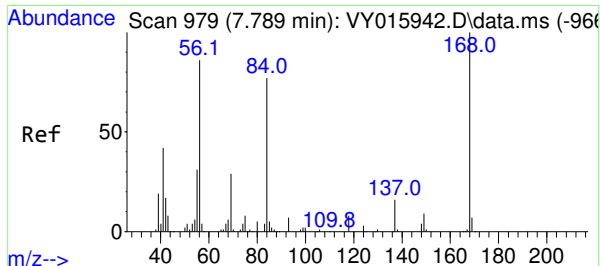
Tgt Ion: 43 Resp: 4888
Ion Ratio Lower Upper
43 100
72 18.2 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.50 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.018 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

Tgt Ion: 77 Resp: 6528
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

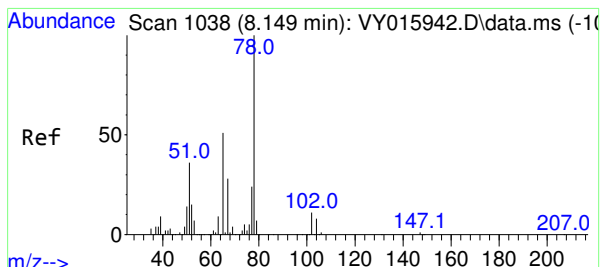
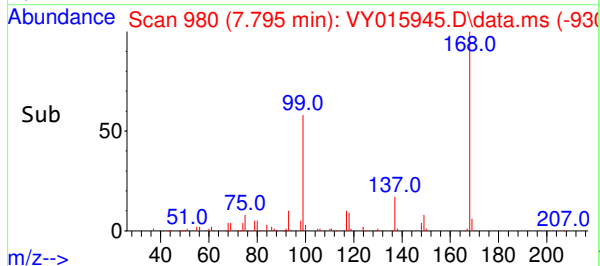
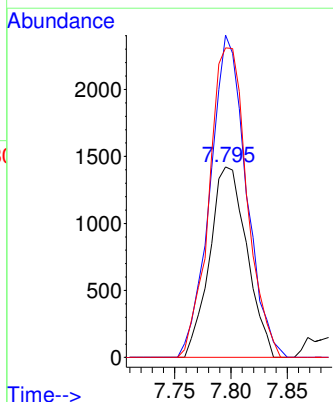
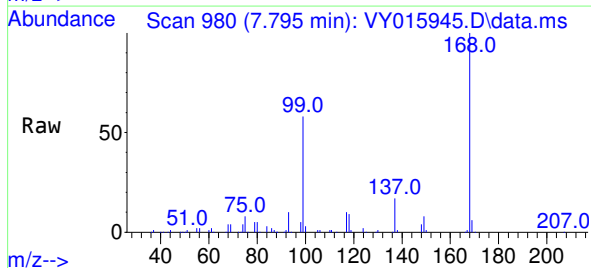




#31
Cyclohexane
Concen: 1.11 ug/l
RT: 7.795 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

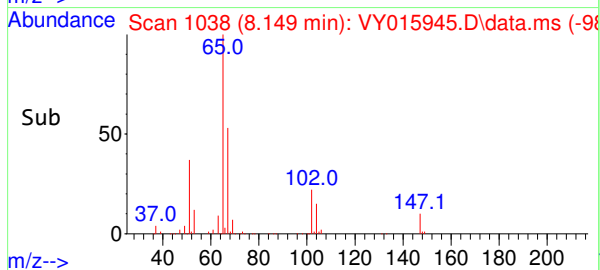
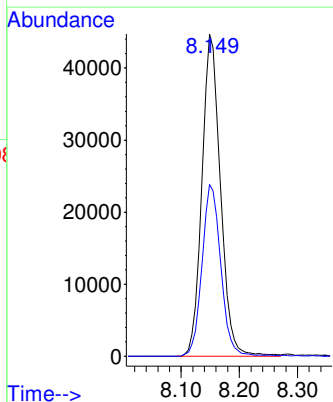
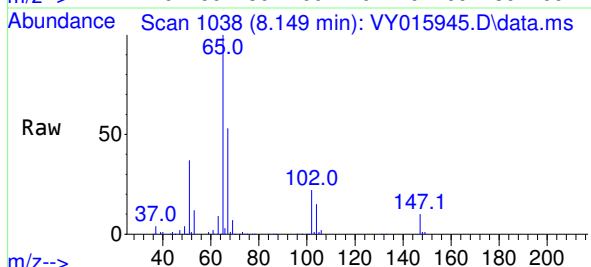
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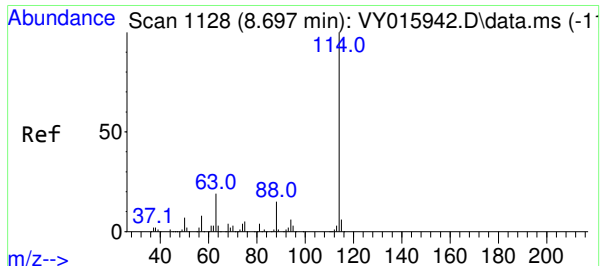
Tgt Ion: 56 Resp: 3267
Ion Ratio Lower Upper
56 100
69 169.4 27.8 41.6#
84 162.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.83 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

Tgt Ion: 65 Resp: 99674
Ion Ratio Lower Upper
65 100
67 54.0 0.0 101.8

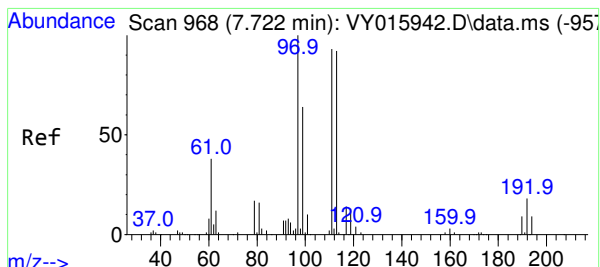
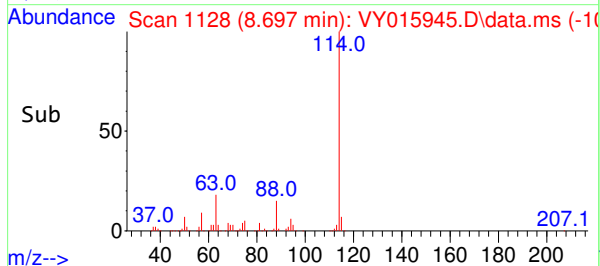
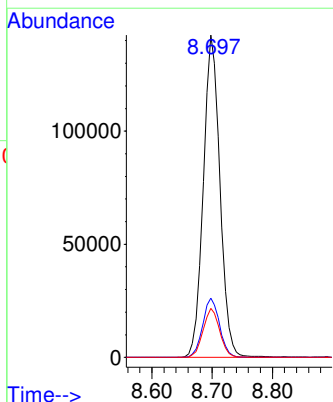
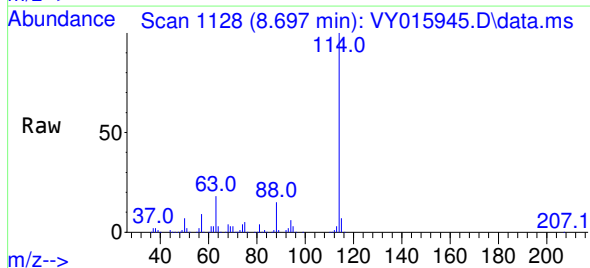




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

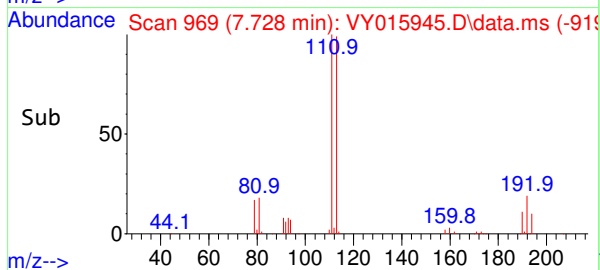
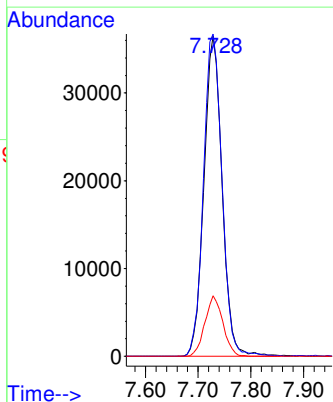
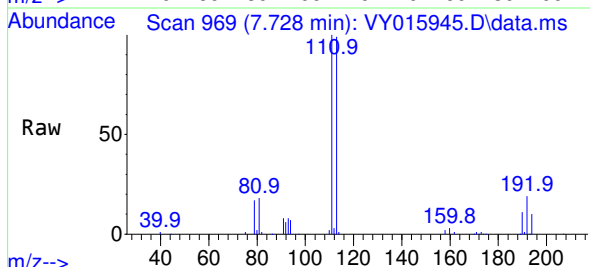
Instrument :
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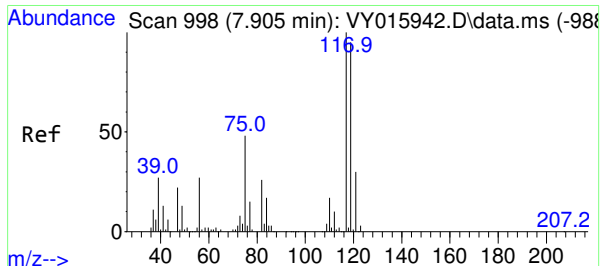
Tgt Ion:	114	Resp:	272213
Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	42.4
88	15.2	0.0	30.6



#35
Dibromofluoromethane
Concen: 51.11 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

Tgt Ion:	113	Resp:	87591
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	18.7	16.9	25.3

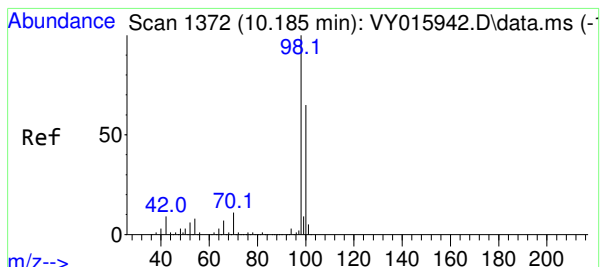
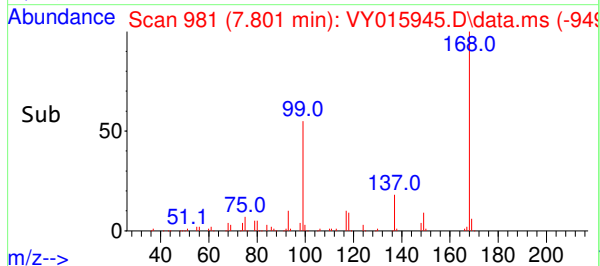
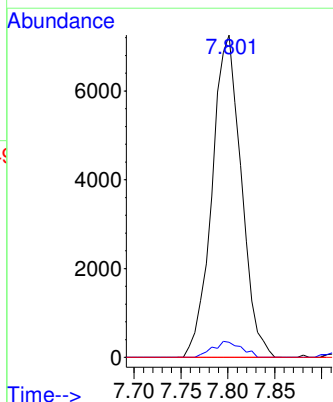
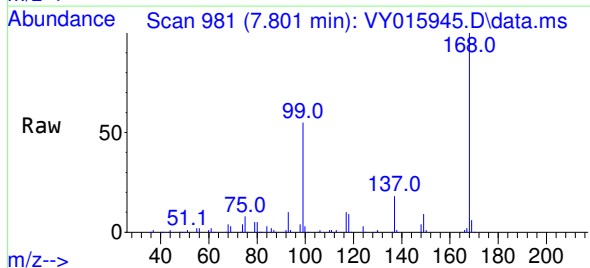




#38
Carbon Tetrachloride
Concen: 5.77 ug/l
RT: 7.801 min Scan# 9
Delta R.T. -0.103 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

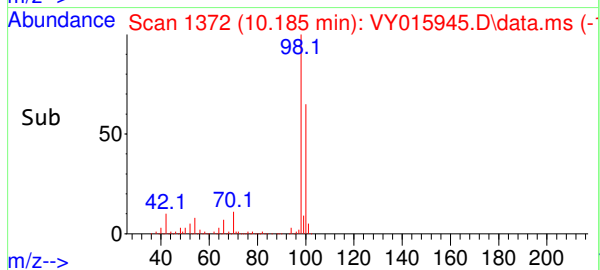
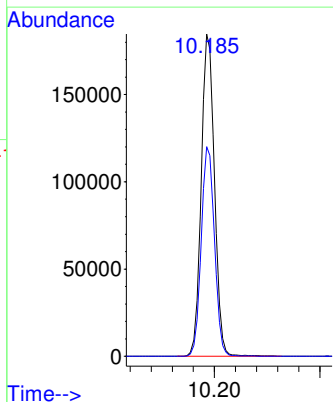
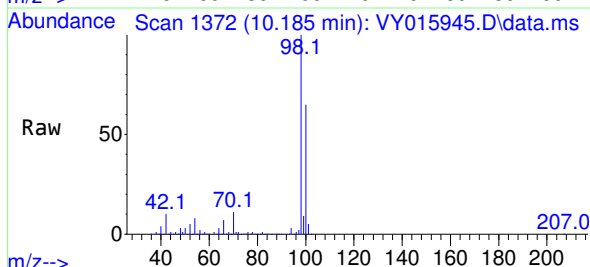
Instrument :
MSVOA_Y
ClientSampleId :

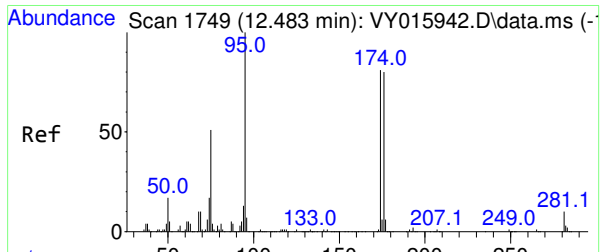
Tgt Ion:117 Resp: 15712
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.20 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

Tgt Ion: 98 Resp: 322200
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1

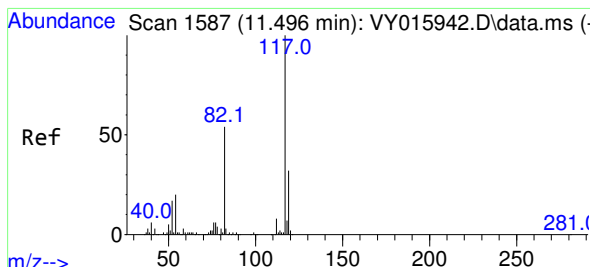
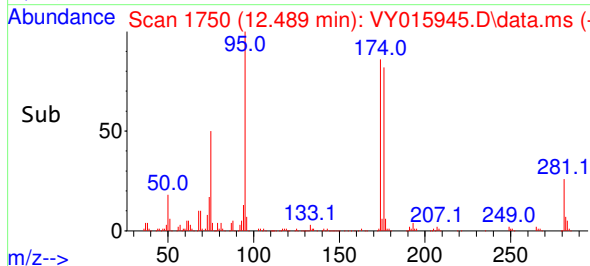
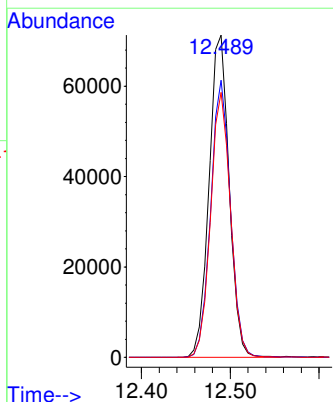
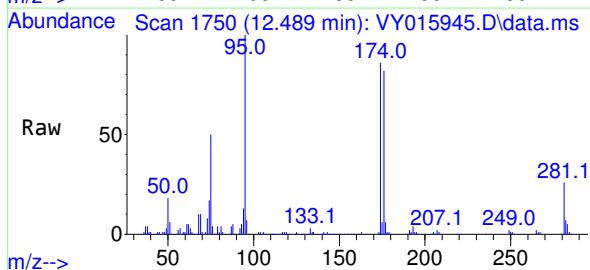




#62
4-Bromofluorobenzene
Concen: 49.09 ug/l
RT: 12.489 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

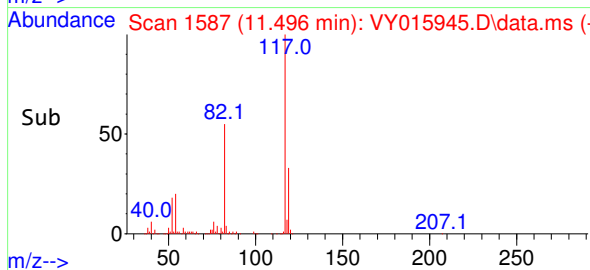
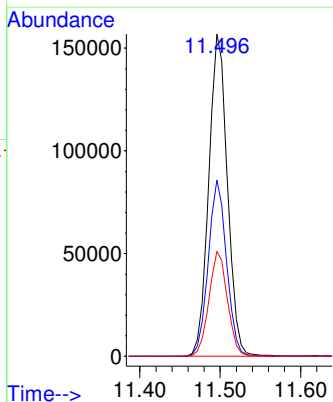
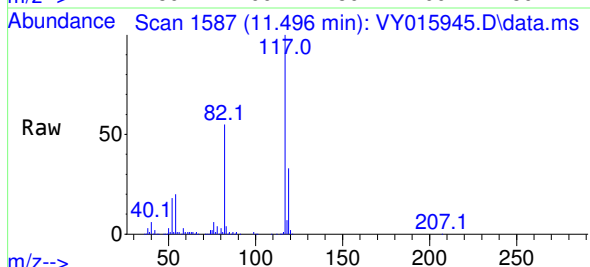
Instrument :
MSVOA_Y
ClientSampleId :

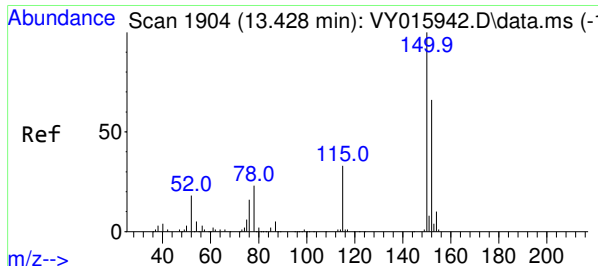
Tgt Ion:	95	Resp:	112190
Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	178.2
176	81.5	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

Tgt Ion:	117	Resp:	252720
Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.4	65.0
119	32.6	26.3	39.5

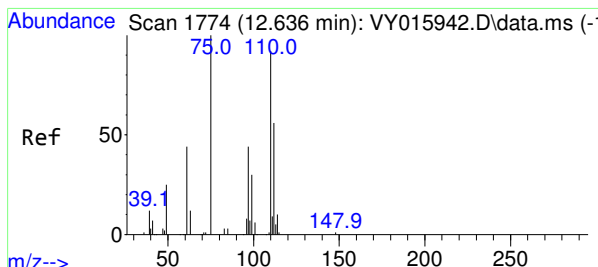
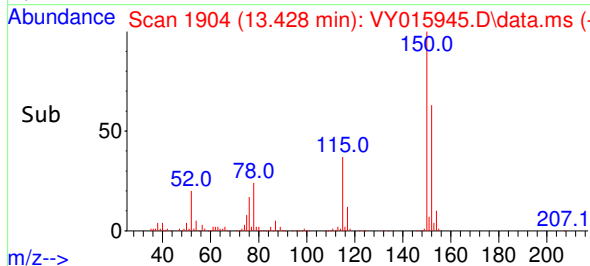
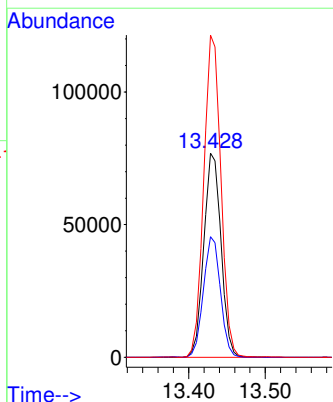
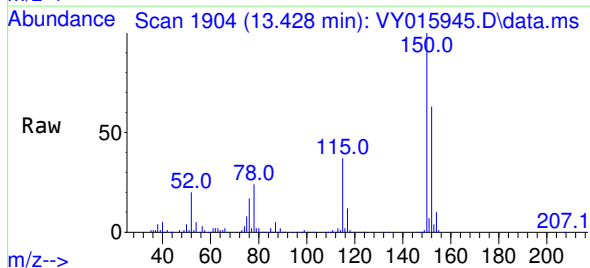




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

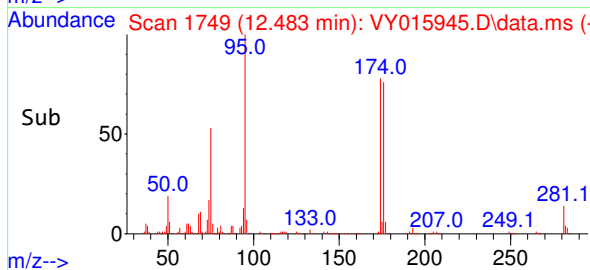
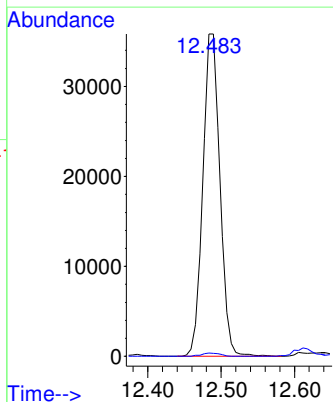
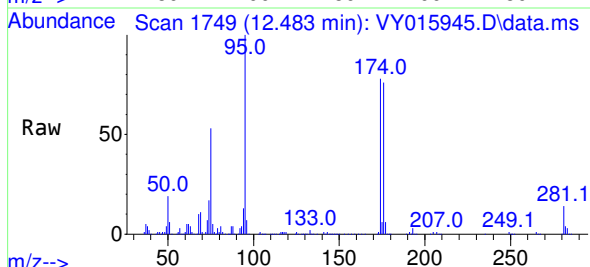
Instrument :
MSVOA_Y
ClientSampleId :

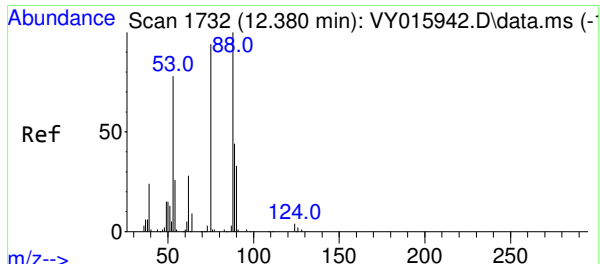
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.8	86.5
150	157.2	0.0	348.8



#76
1,2,3-Trichloropropane
Concen: 24.67 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

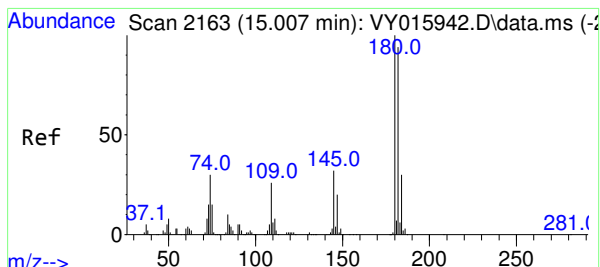
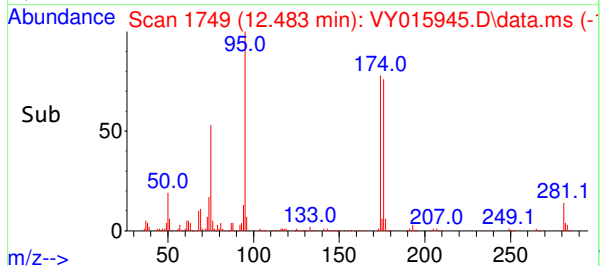
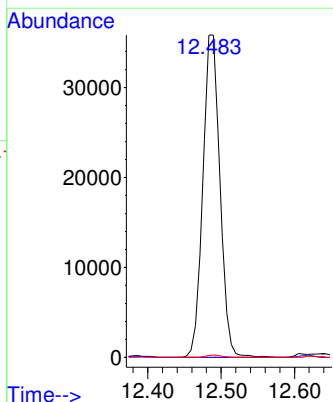
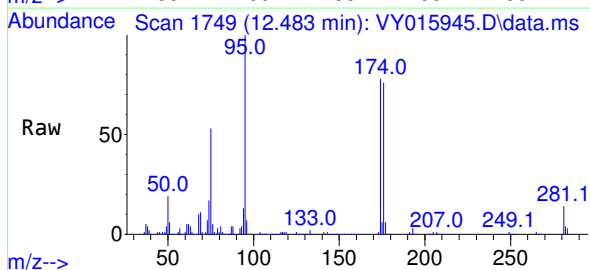




#81
trans-1,4-Dichloro-2-butene
Concen: 58.10 ug/l
RT: 12.483 min Scan# 1
Delta R.T. 0.104 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

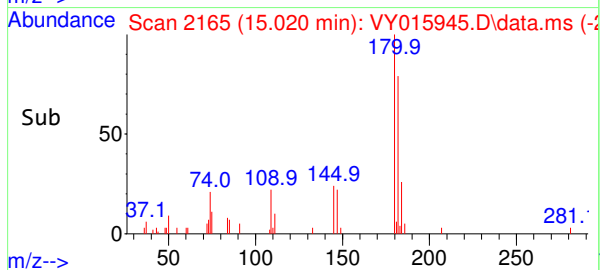
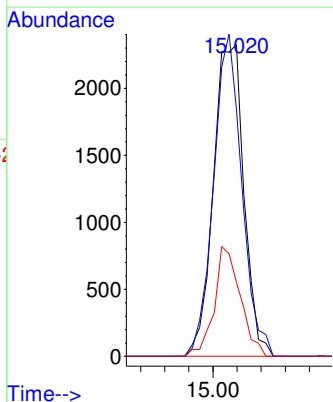
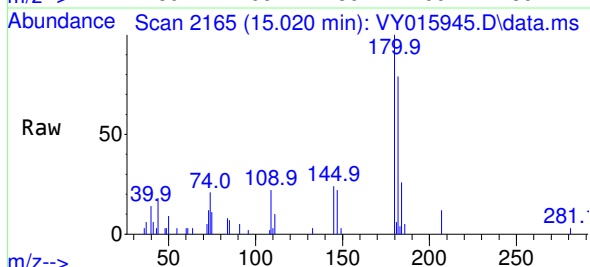
Instrument :
MSVOA_Y
ClientSampleId :

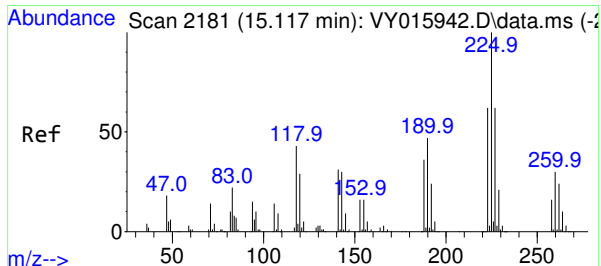
Tgt Ion: 75 Resp: 57987
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.6 37.4 56.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.62 ug/l
RT: 15.020 min Scan# 2165
Delta R.T. 0.012 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

Tgt Ion:180 Resp: 4089
Ion Ratio Lower Upper
180 100
182 95.5 47.0 141.2
145 30.0 14.5 43.5

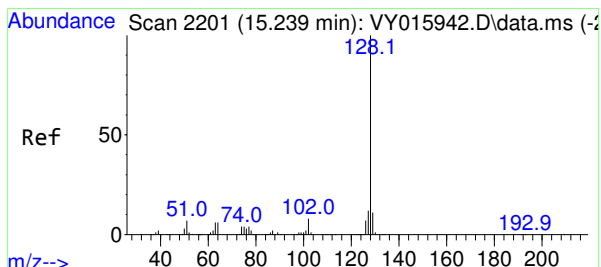
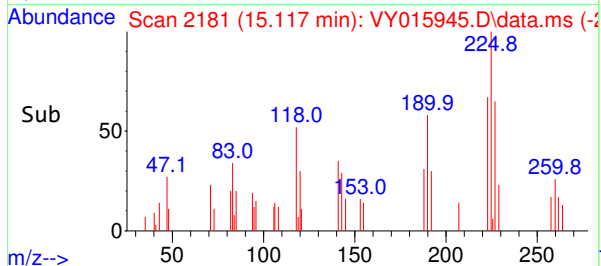
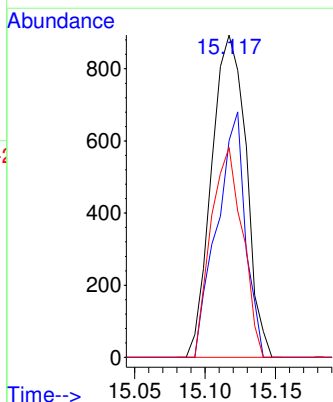
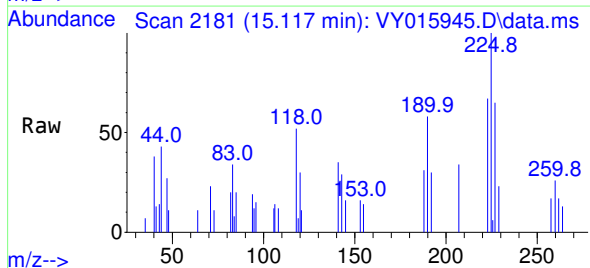




#94
Hexachlorobutadiene
Concen: 1.19 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

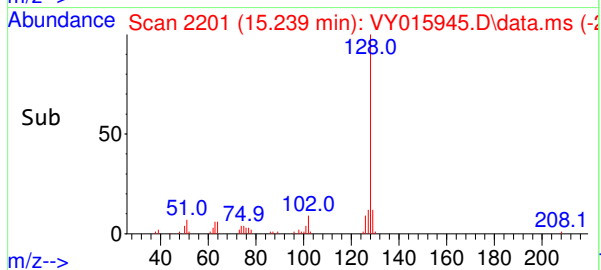
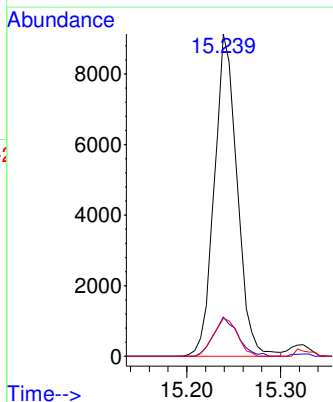
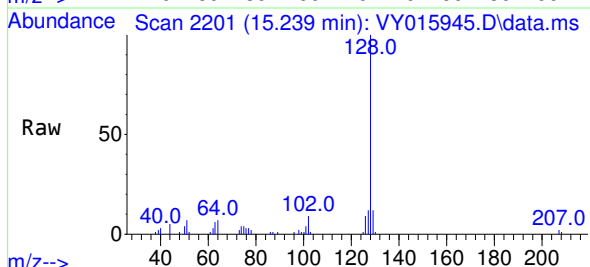
Instrument :
MSVOA_Y
ClientSampleId :

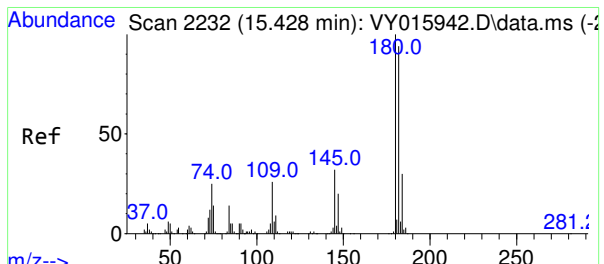
Tgt Ion:	225	Resp:	1527
Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.9	95.9
227	59.3	33.0	98.9



#95
Naphthalene
Concen: 1.88 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY015945.D
Acq: 12 Oct 2023 19:54

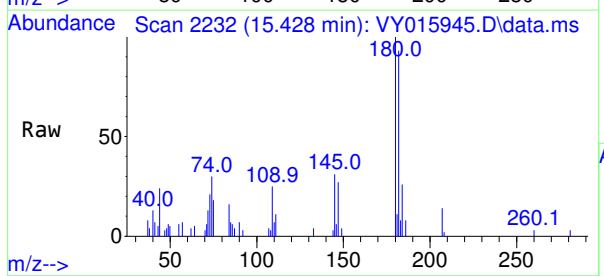
Tgt Ion:	128	Resp:	15423
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	12.4	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.84 ug/l
 RT: 15.428 min Scan# 2
 Delta R.T. 0.000 min
 Lab File: VY015945.D
 Acq: 12 Oct 2023 19:54

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 4456

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.3	141.8
145	32.9	15.4	46.2

