

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072023\
 Data File : VY014715.D
 Acq On : 20 Jul 2023 12:57
 Operator : SY/MD
 Sample : 03659-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-2-071823

Quant Time: Jul 20 14:09:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	45826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	74276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	62448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	27021	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	23742	45.465	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.920%
35) Dibromofluoromethane	7.716	113	22571	47.737	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.480%
50) Toluene-d8	10.179	98	85474	49.033	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.060%
62) 4-Bromofluorobenzene	12.477	95	27348	40.915	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.840%

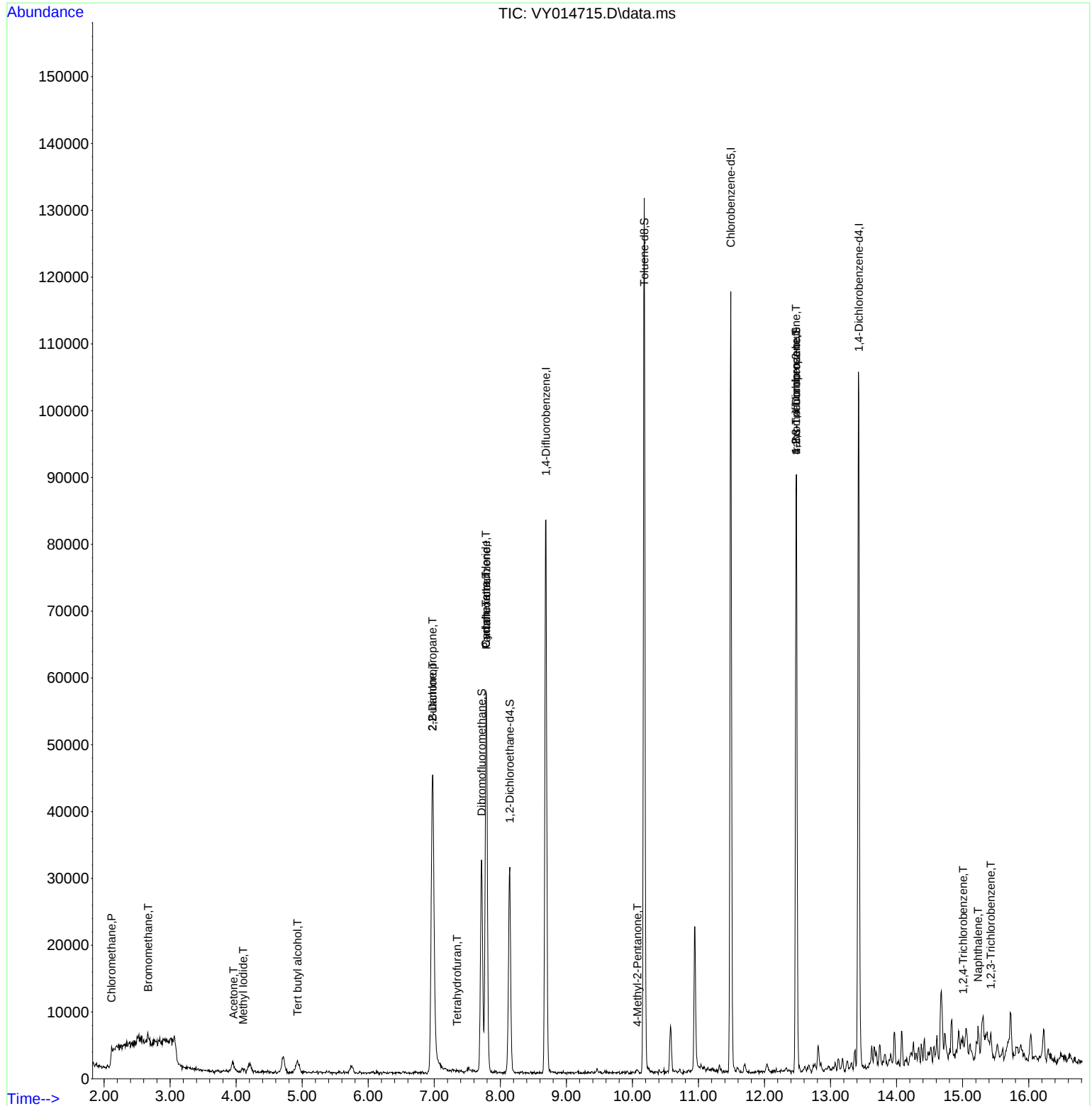
Target Compounds			Qvalue			
3) Chloromethane	2.113	50	427	1.017	ug/l #	85
5) Bromomethane	2.668	94	728	2.349	ug/l	93
10) Methyl Iodide	4.107	142	758	3.780	ug/l #	70
11) Tert butyl alcohol	4.930	59	2254	9.016	ug/l #	95
16) Acetone	3.960	43	2842	17.174	ug/l	97
20) Methylene Chloride	4.716	84	1833	Below Cal	#	83
25) 2-Butanone	6.972	43	2866	11.838	ug/l	93
26) 2,2-Dichloropropane	6.972	77	3858	4.343	ug/l #	54
29) Tetrahydrofuran	7.344	42	158	1.060	ug/l #	35
31) Cyclohexane	7.783	56	981	1.132	ug/l #	7
38) Carbon Tetrachloride	7.783	117	4567	6.110	ug/l #	14
51) 4-Methyl-2-Pentanone	10.075	43	514	1.056	ug/l #	71
76) 1,2,3-Trichloropropane	12.477	75	14855	43.529	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	14855	84.280	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.007	180	869	1.590	ug/l #	69
95) Naphthalene	15.233	128	2750	2.159	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	993	2.044	ug/l #	61

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

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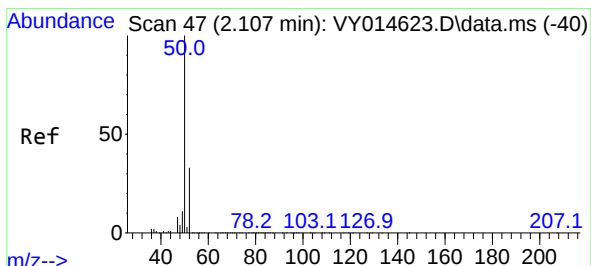
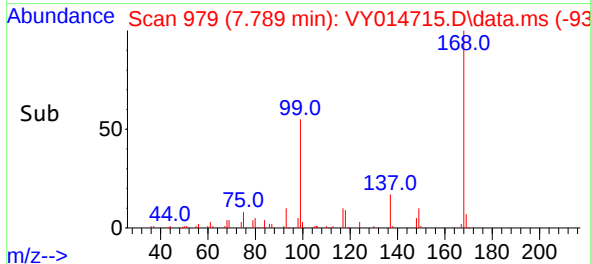
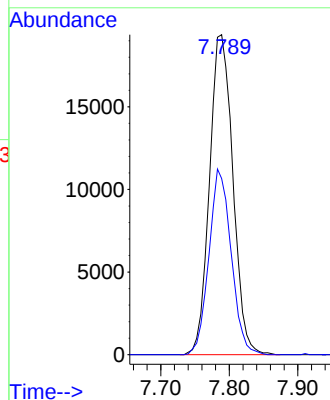
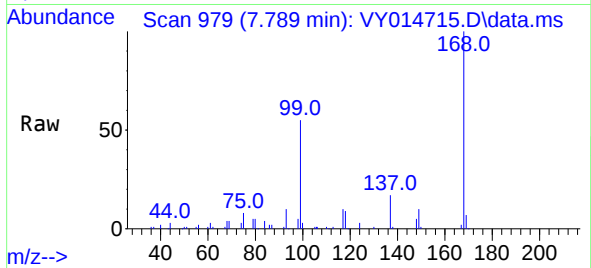




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

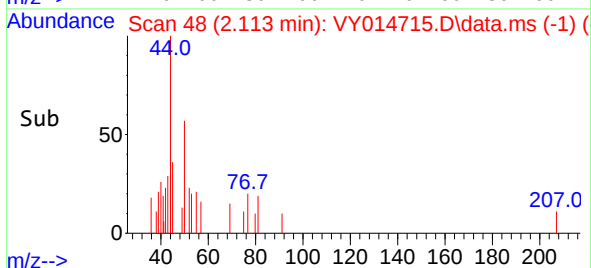
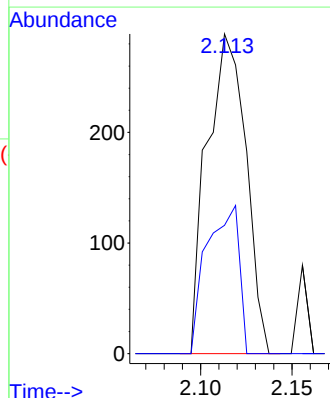
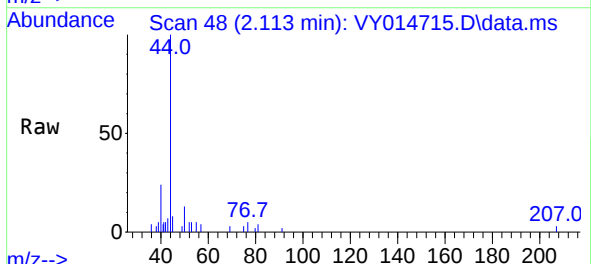
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-071823

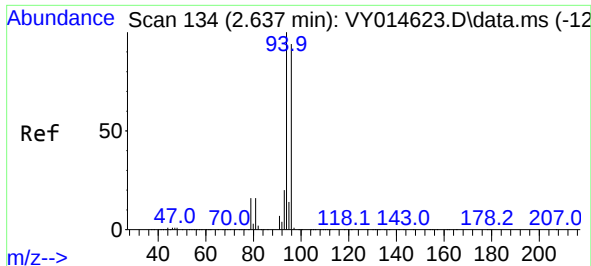
Tgt Ion:168 Resp: 45826
Ion Ratio Lower Upper
168 100
99 55.1 43.4 65.0



#3
Chloromethane
Concen: 1.017 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 50 Resp: 427
Ion Ratio Lower Upper
50 100
52 40.1 25.4 38.2#

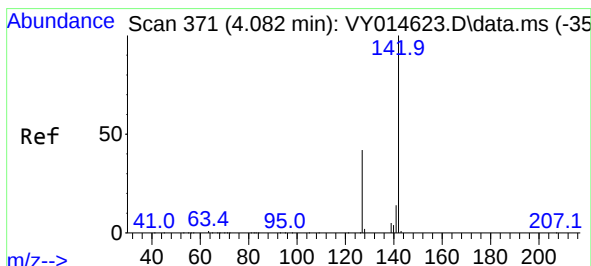
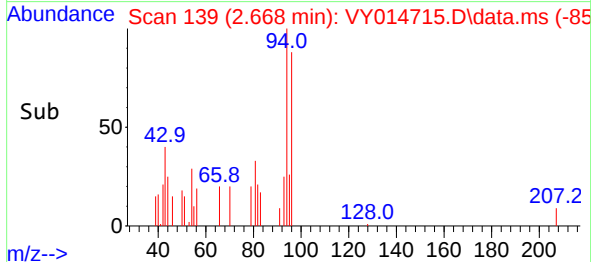
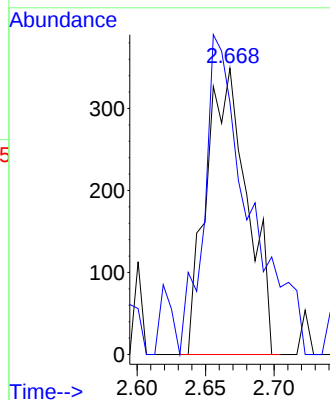
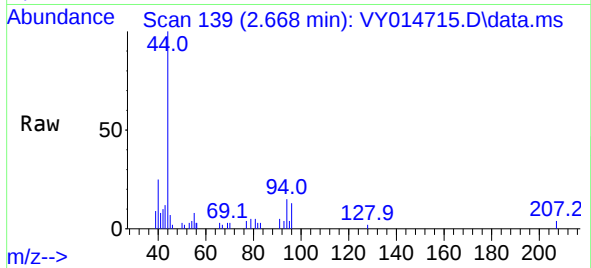




#5
Bromomethane
Concen: 2.349 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.031 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

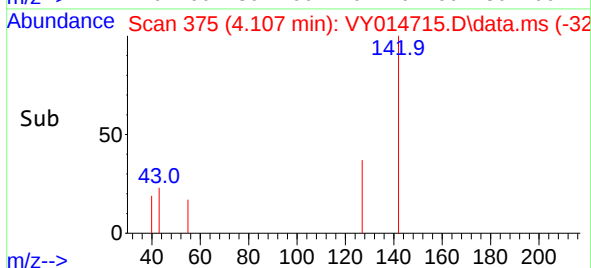
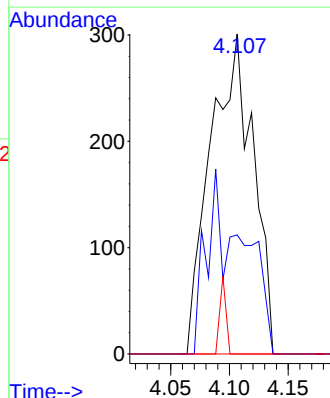
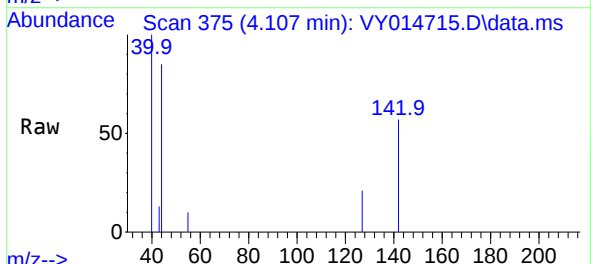
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-071823

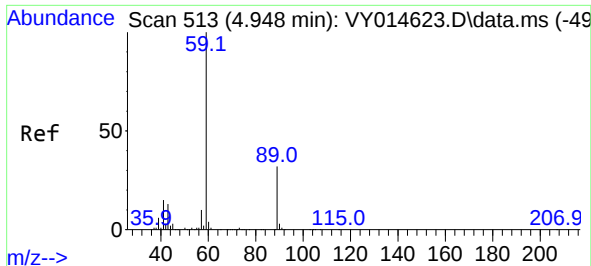
Tgt Ion: 94 Resp: 728
Ion Ratio Lower Upper
94 100
96 88.0 75.8 113.6



#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.025 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 142 Resp: 758
Ion Ratio Lower Upper
142 100
127 26.1 37.6 56.4#
141 3.6 11.8 17.8#

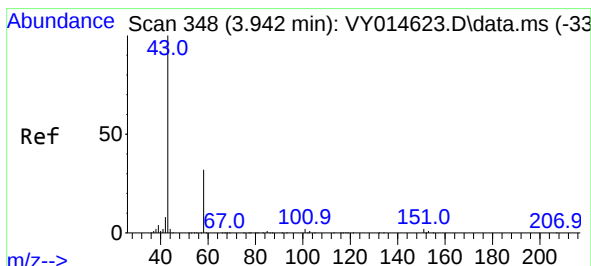
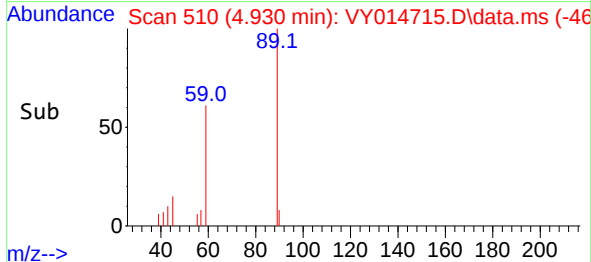
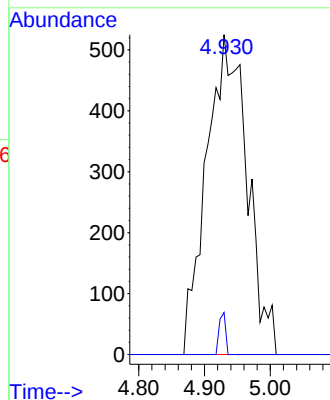
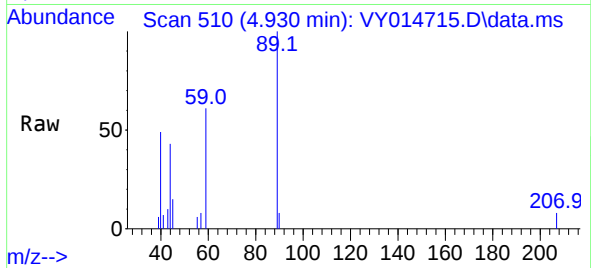




#11
Tert butyl alcohol
Concen: 9.016 ug/l
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

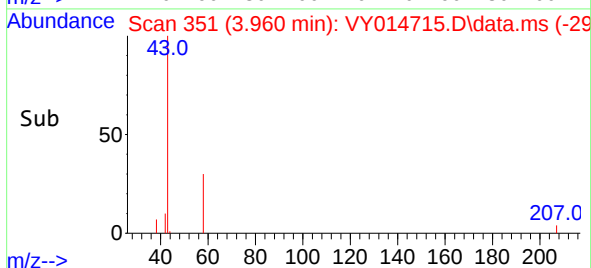
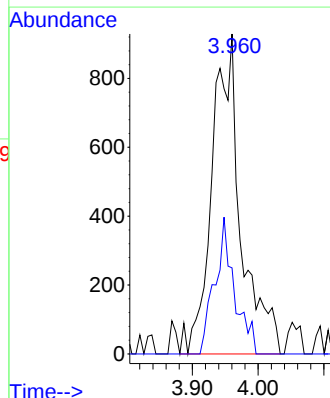
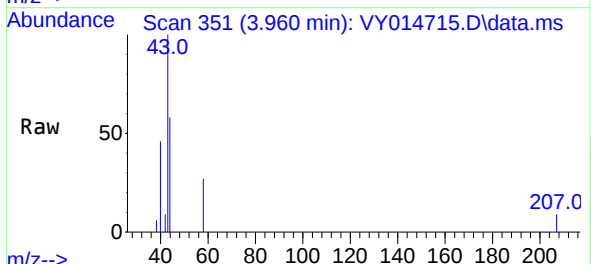
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-071823

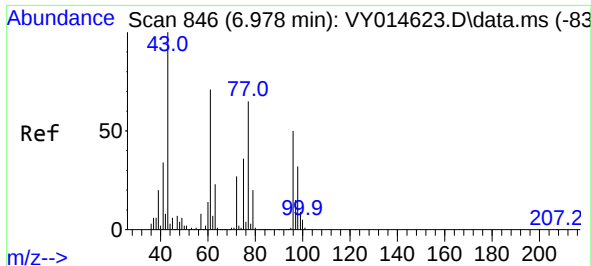
Tgt Ion: 59 Resp: 2254
Ion Ratio Lower Upper
59 100
57 2.0 3.0 4.4#



#16
Acetone
Concen: 17.174 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 43 Resp: 2842
Ion Ratio Lower Upper
43 100
58 26.9 22.7 34.1

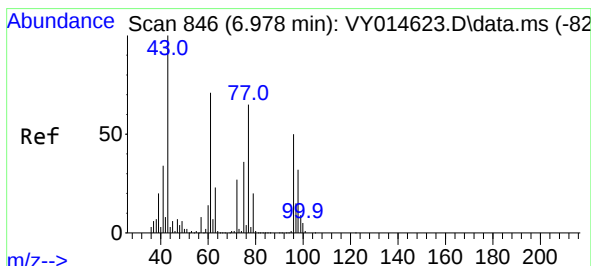
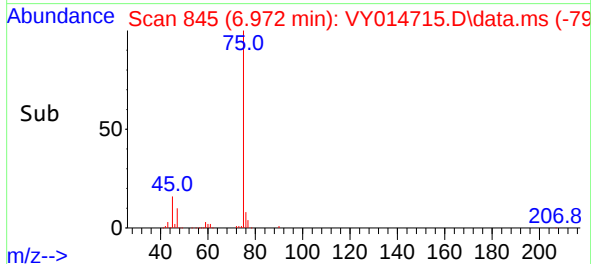
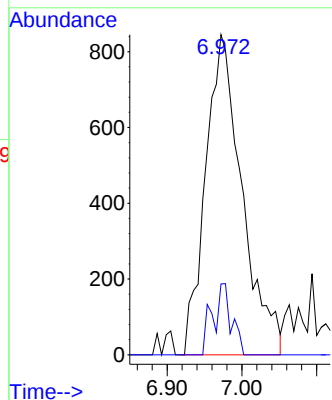
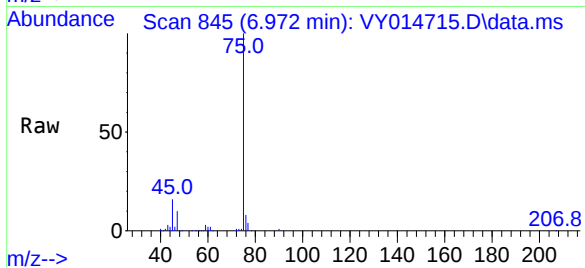




#25
2-Butanone
Concen: 11.838 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

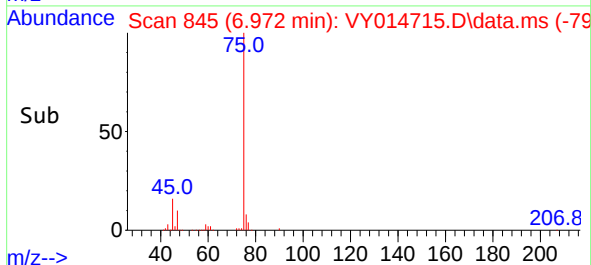
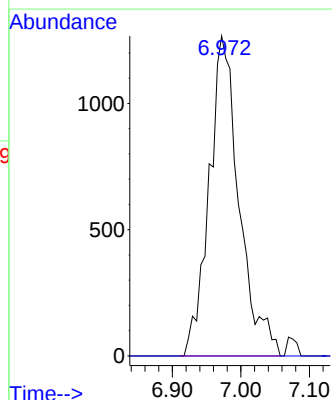
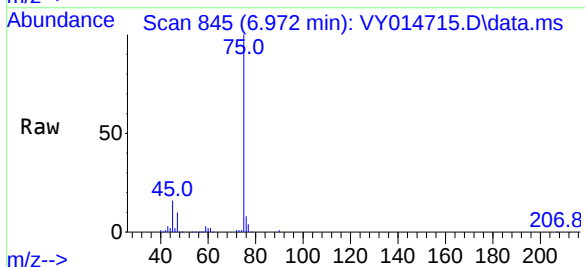
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-071823

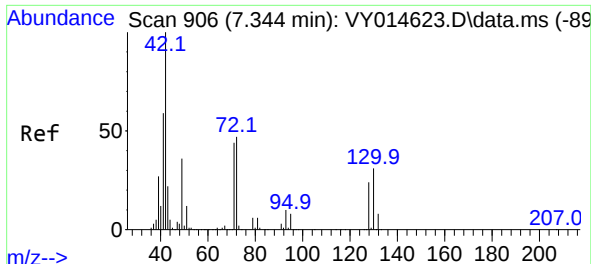
Tgt Ion: 43 Resp: 2866
Ion Ratio Lower Upper
43 100
72 22.1 20.5 30.7



#26
2,2-Dichloropropane
Concen: 4.343 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 77 Resp: 3858
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

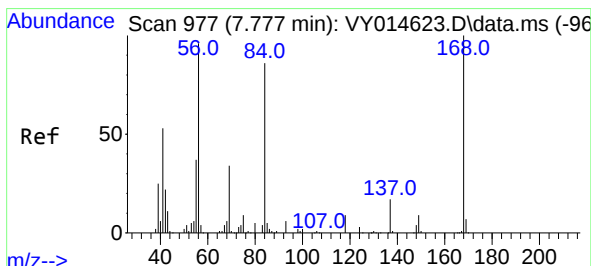
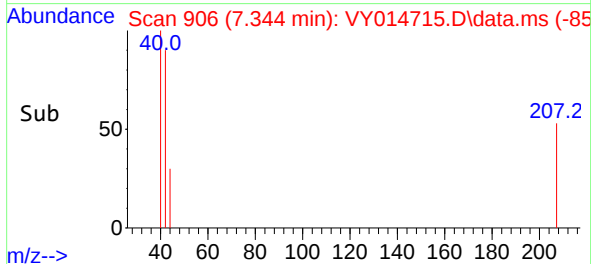
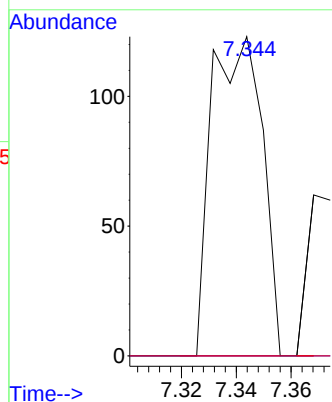
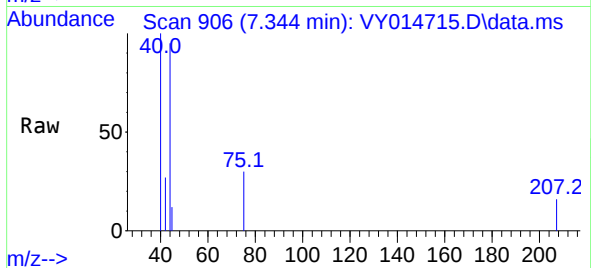




#29
Tetrahydrofuran
Concen: 1.060 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

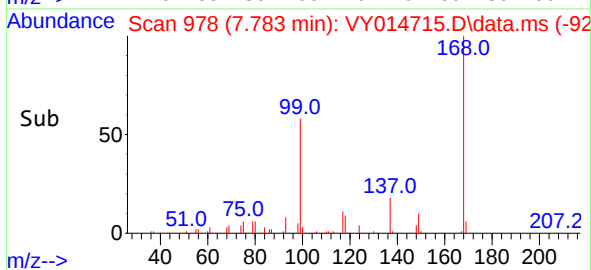
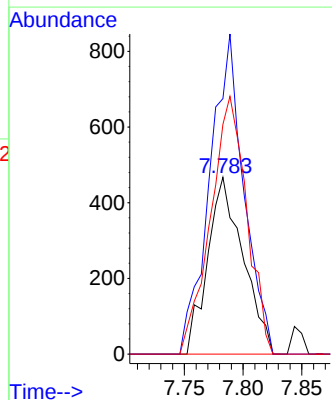
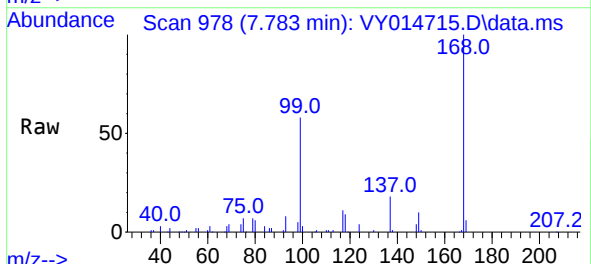
Instrument :
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ClientSampleId :
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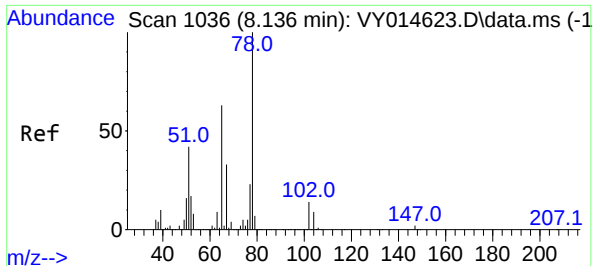
Tgt Ion:	42	Resp:	158
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	0.0	31.0	46.4#



#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

Tgt Ion:	56	Resp:	981
Ion	Ratio	Lower	Upper
56	100		
69	144.5	27.8	41.6#
84	130.0	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 45.465 ug/l

RT: 8.142 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014715.D

Acq: 20 Jul 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

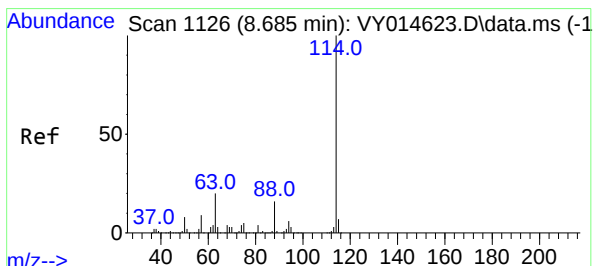
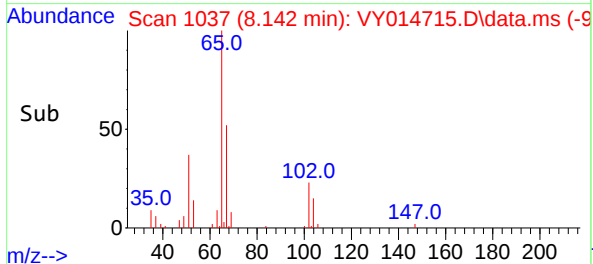
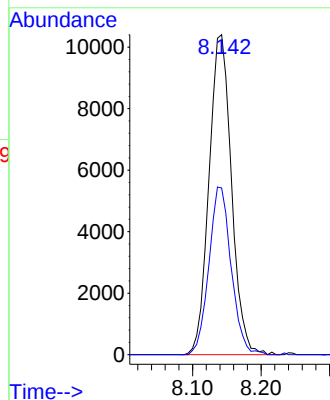
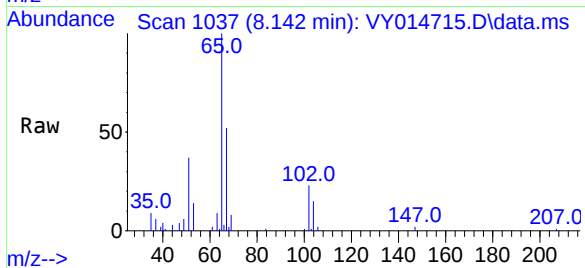
HR-2-071823

Tgt Ion: 65 Resp: 23742

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014715.D

Acq: 20 Jul 2023 12:57

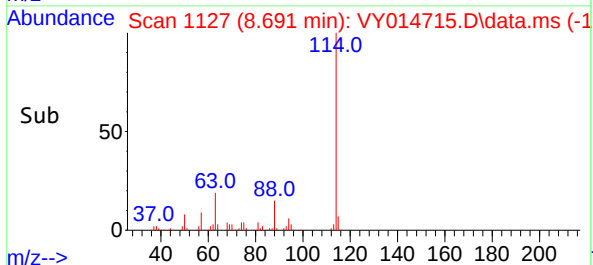
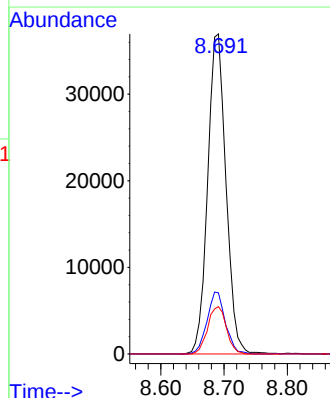
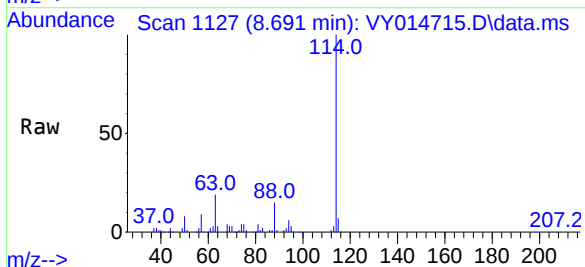
Tgt Ion:114 Resp: 74276

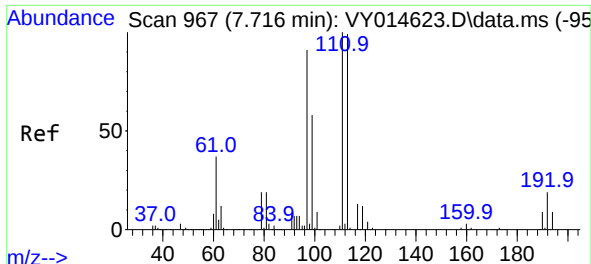
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 14.8 0.0 30.6

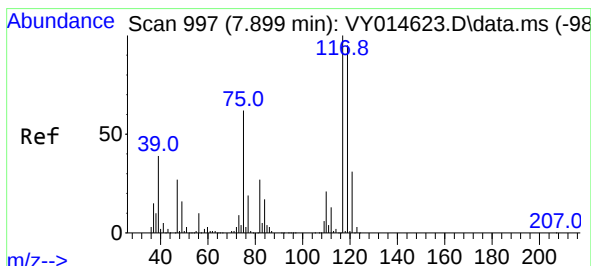
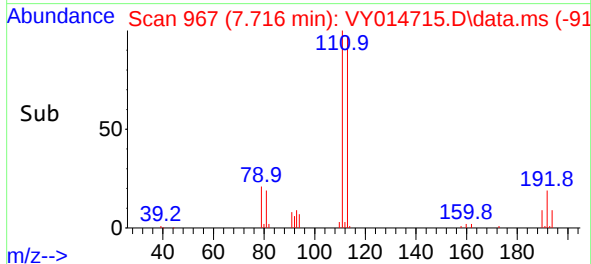
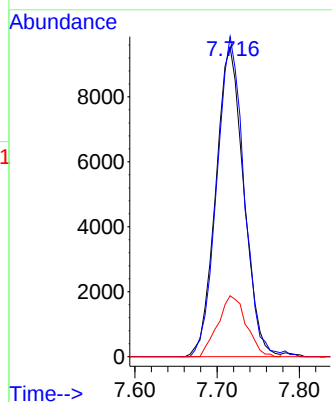
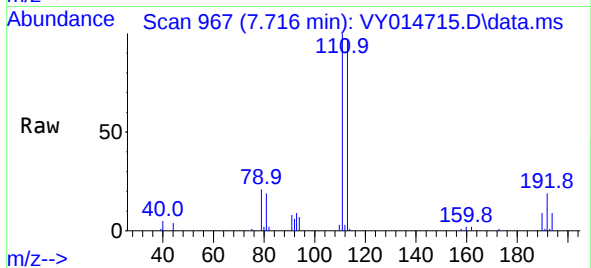




#35
Dibromofluoromethane
Concen: 47.737 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

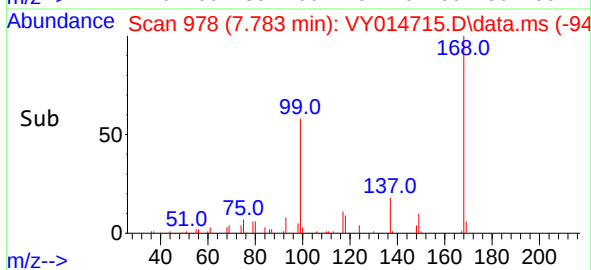
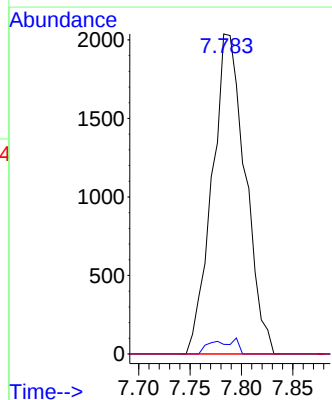
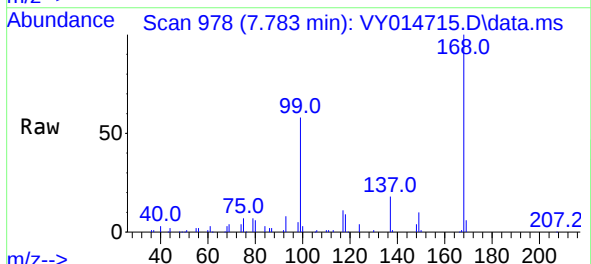
Instrument :
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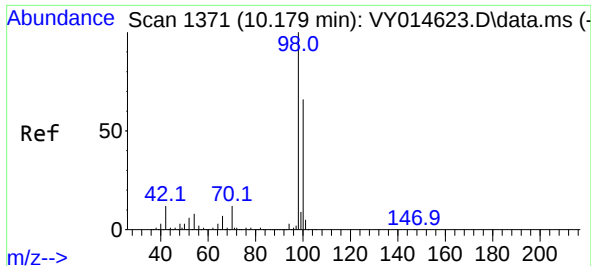
Tgt Ion:	113	Resp:	22571
Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.3	121.9
192	19.9	16.9	25.3



#38
Carbon Tetrachloride
Concen: 6.110 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

Tgt Ion:	117	Resp:	4567
Ion	Ratio	Lower	Upper
117	100		
119	3.0	76.4	114.6#
121	0.0	25.8	38.6#

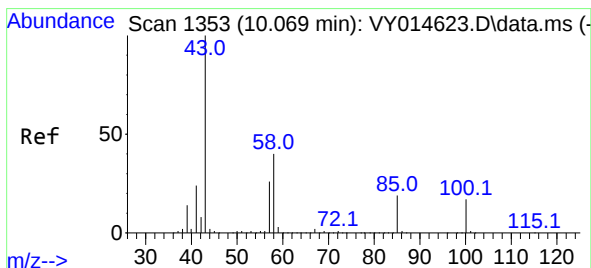
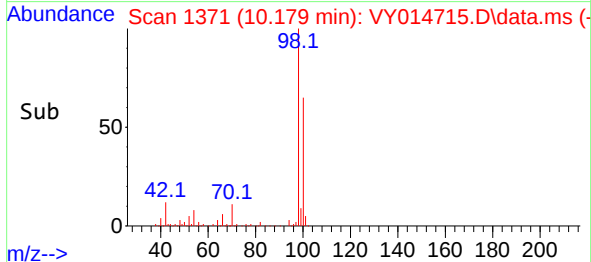
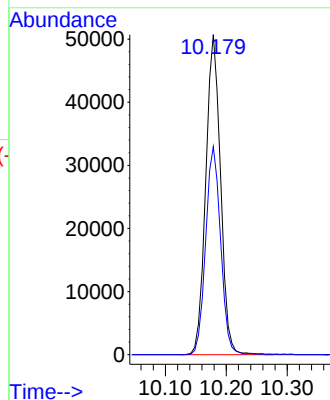
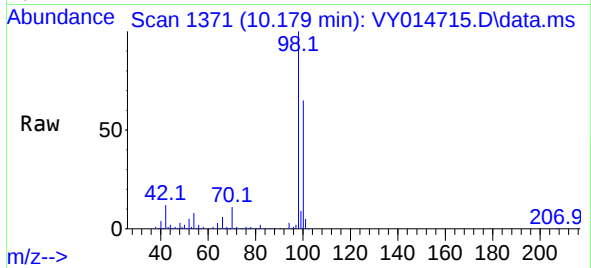




#50
Toluene-d8
Concen: 49.033 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

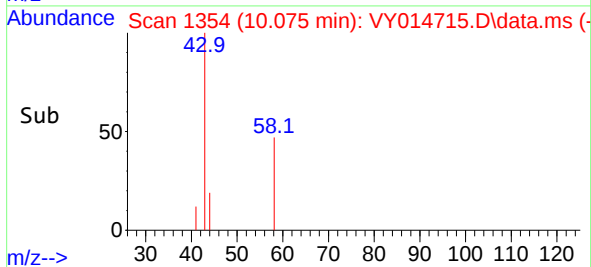
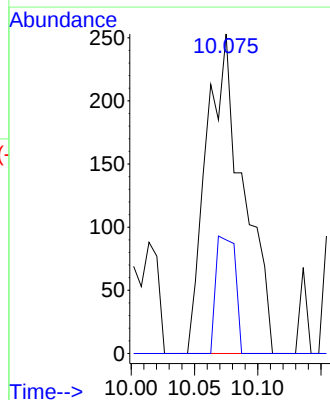
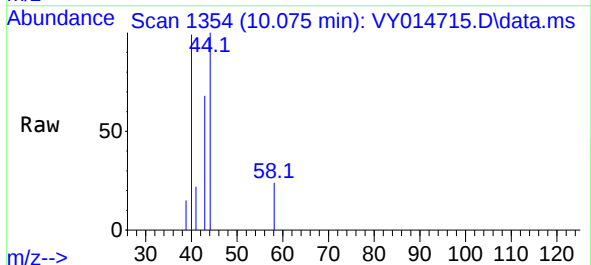
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-071823

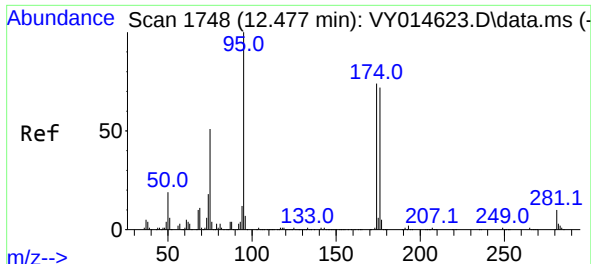
Tgt Ion: 98 Resp: 85474
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.056 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
58 19.3 29.0 43.6#

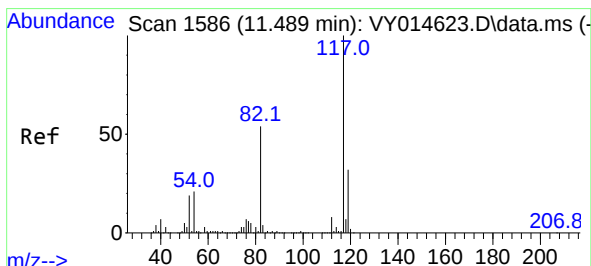
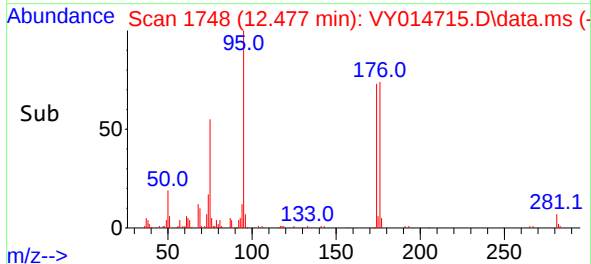
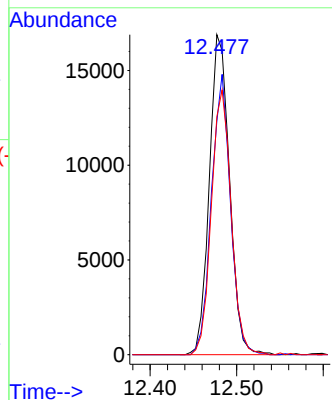
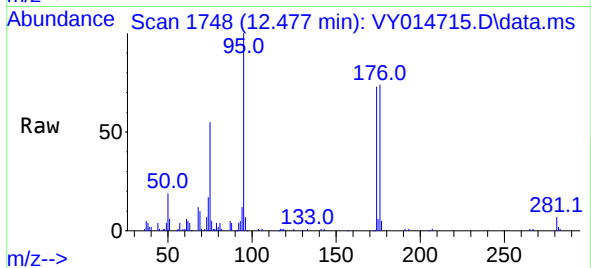




#62
4-Bromofluorobenzene
Concen: 40.915 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

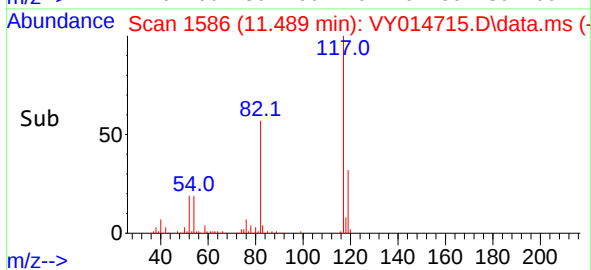
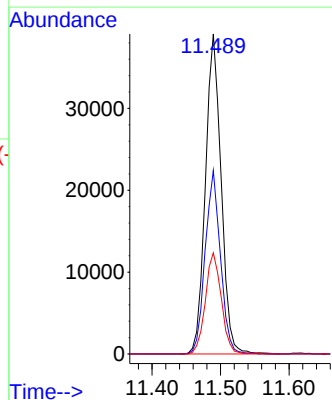
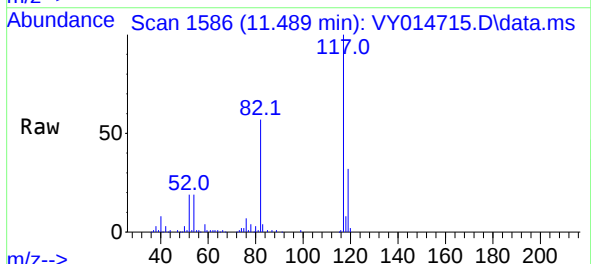
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-071823

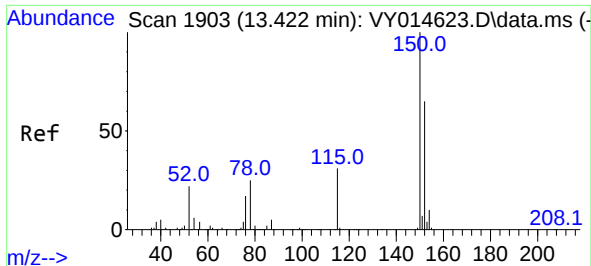
Tgt Ion:	95	Resp:	27348
Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	178.2
176	81.2	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

Tgt Ion:	117	Resp:	62448
Ion	Ratio	Lower	Upper
117	100		
82	57.4	43.4	65.0
119	31.6	26.3	39.5

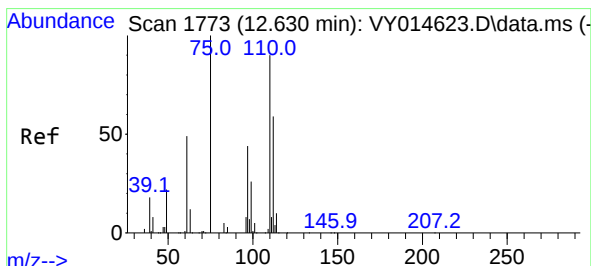
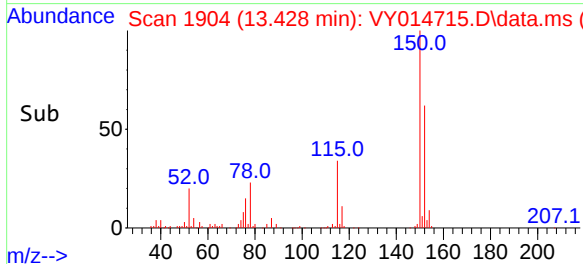
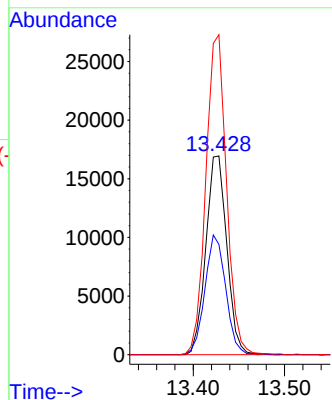
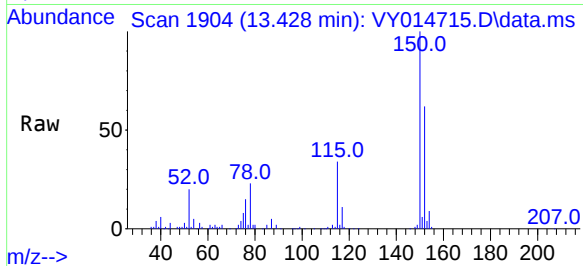




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

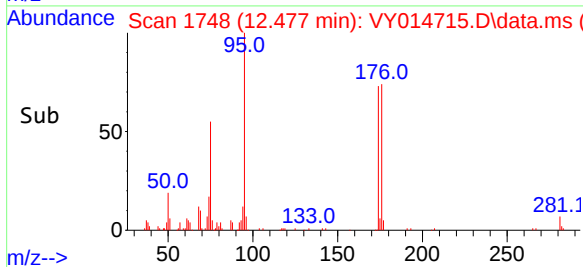
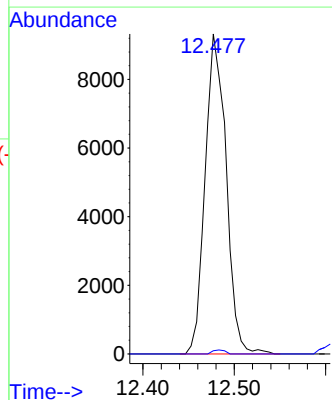
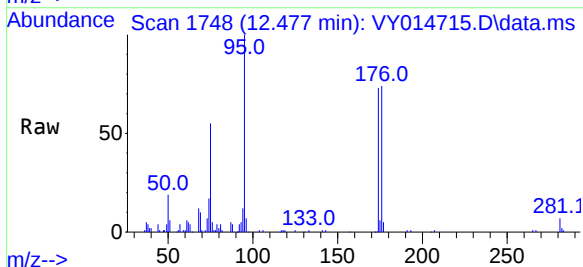
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-071823

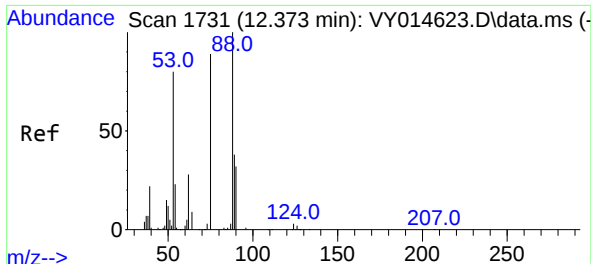
Tgt Ion:152 Resp: 27021
Ion Ratio Lower Upper
152 100
115 59.9 28.8 86.5
150 158.7 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 43.529 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 75 Resp: 14855
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#

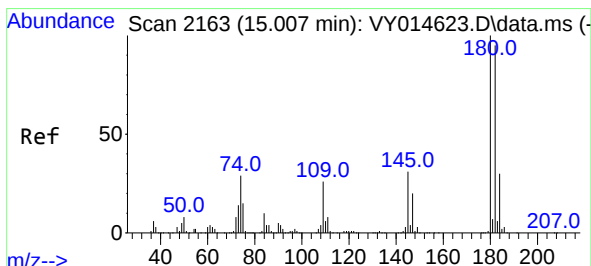
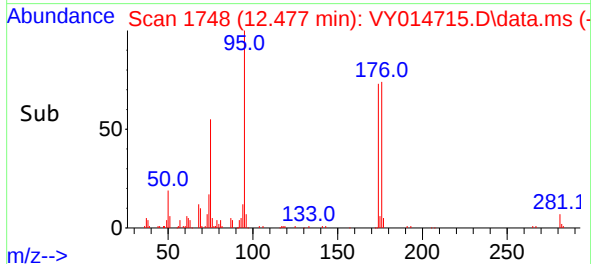
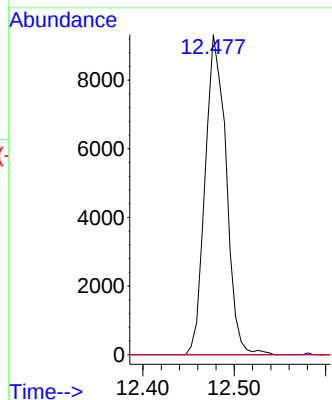
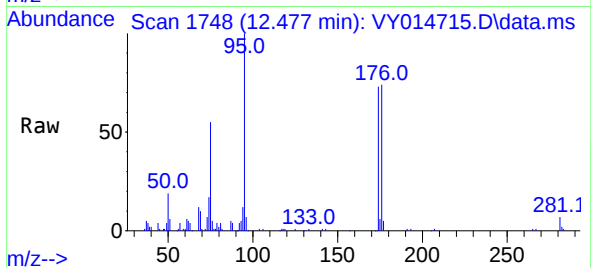




#81
trans-1,4-Dichloro-2-butene
Concen: 84.280 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

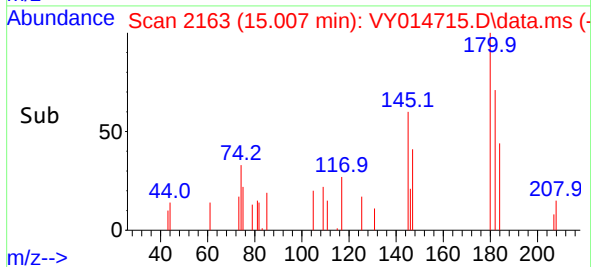
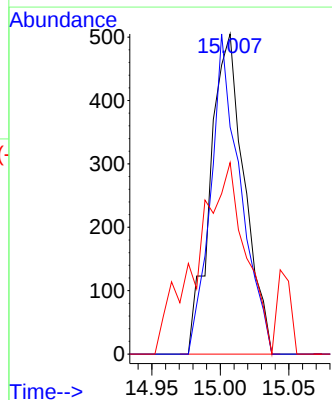
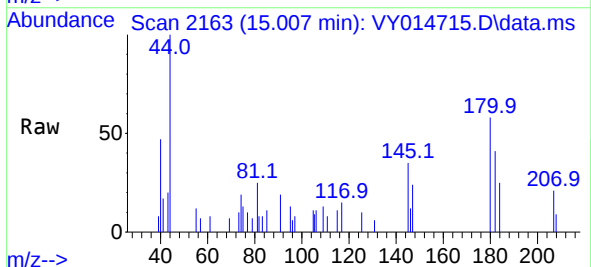
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-071823

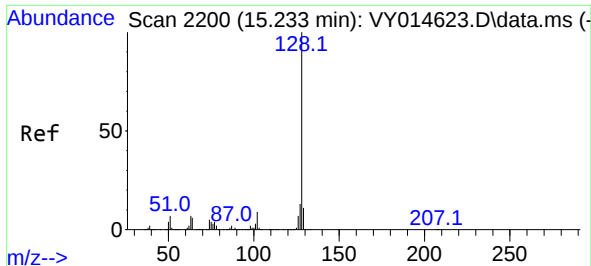
Tgt Ion: 75 Resp: 14855
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.590 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

Tgt Ion:180 Resp: 869
Ion Ratio Lower Upper
180 100
182 87.1 47.0 141.2
145 87.1 14.5 43.5#

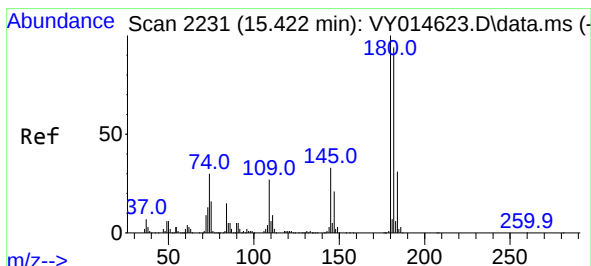
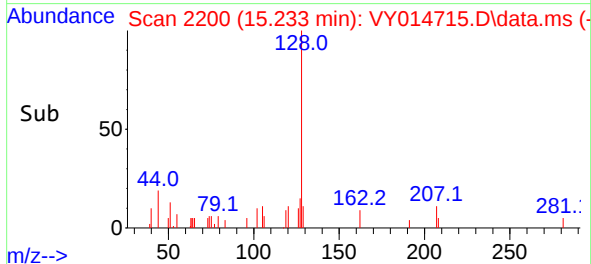
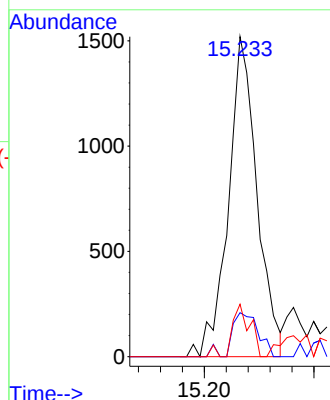
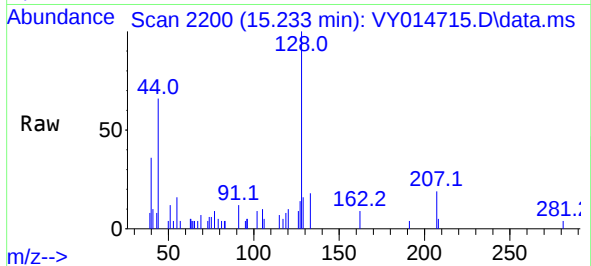




#95
Naphthalene
Concen: 2.159 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

Instrument :
MSVOA_Y
ClientSampleId :
HR-2-071823

Tgt Ion:	128	Resp:	2750
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.8	16.2
129	10.3	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.044 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY014715.D
Acq: 20 Jul 2023 12:57

Tgt Ion:	180	Resp:	993
Ion	Ratio	Lower	Upper
180	100		
182	87.5	47.3	141.8
145	106.4	15.4	46.2

