

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015082.D
 Acq On : 14 Aug 2023 16:24
 Operator : SY/MD
 Sample : 03971-05
 Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP041A

Quant Time: Aug 14 16:35:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

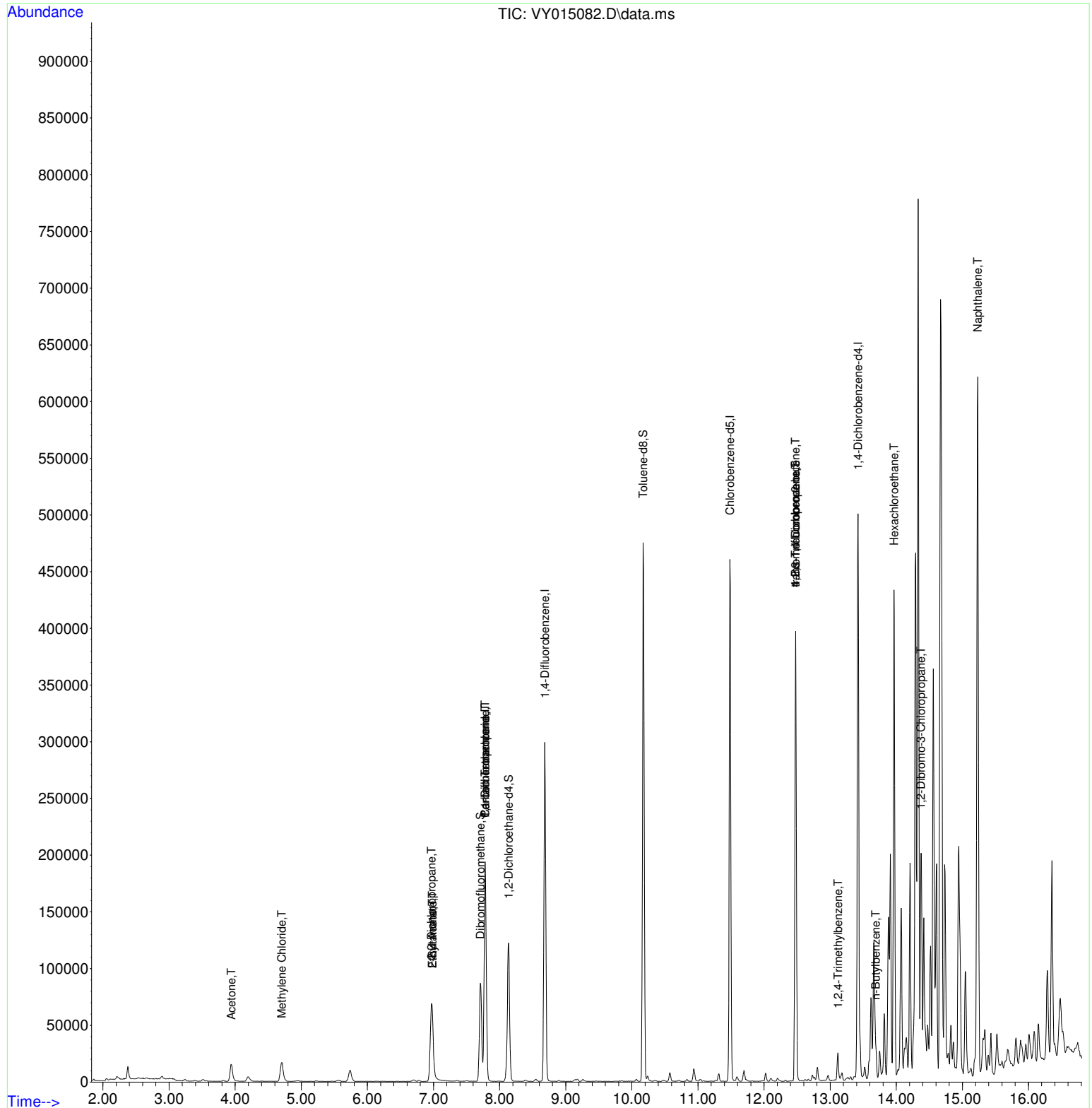
Internal Standards						
1) Pentafluorobenzene	7.783	168	146192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	254548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	250533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	125956	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	96650	55.07	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.14%
35) Dibromofluoromethane	7.710	113	61975	37.85	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	75.70%
50) Toluene-d8	10.173	98	305965	50.19	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.38%
62) 4-Bromofluorobenzene	12.477	95	114133	51.26	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.52%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	557	Below Cal		96
5) Bromomethane	2.650	94	350	Below Cal		82
11) Tert butyl alcohol	4.930	59	322	Below Cal	#	89
16) Acetone	3.942	43	27234	47.50	ug/l	91
20) Methylene Chloride	4.704	84	12671	5.36	ug/l	94
25) 2-Butanone	6.984	43	9925	12.23	ug/l	97
26) 2,2-Dichloropropane	6.966	77	5299	2.26	ug/l	# 54
31) Cyclohexane	7.783	56	3497	Below Cal	#	7
36) 1,1-Dichloropropene	7.783	75	11862	6.55	ug/l	# 50
37) Ethyl Acetate	6.984	43	9925	5.88	ug/l	# 60
38) Carbon Tetrachloride	7.783	117	14885	6.94	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	62400	40.78	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	62400	89.57	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.117	105	13376	1.98	ug/l	98
89) n-Butylbenzene	13.690	91	14382	2.03	ug/l	# 75
90) Hexachloroethane	13.965	117	20454	13.74	ug/l	# 8
92) 1,2-Dibromo-3-Chloropr...	14.373	75	618	1.51	ug/l	# 3
95) Naphthalene	15.233	128	500249	85.51	ug/l	99

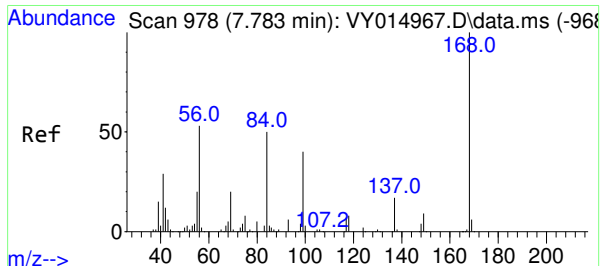
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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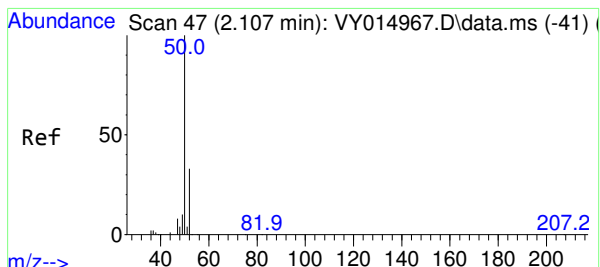
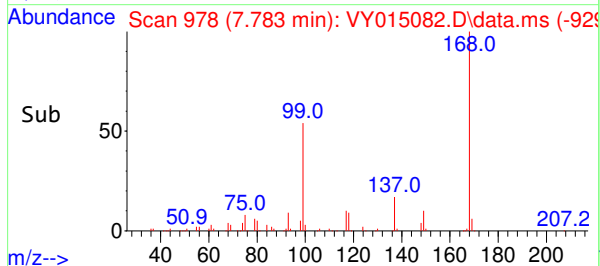
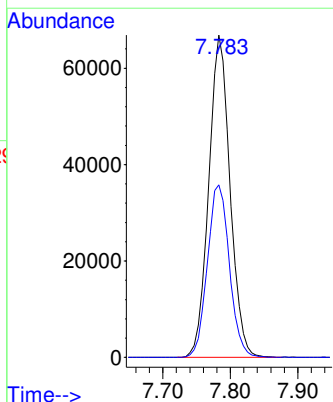
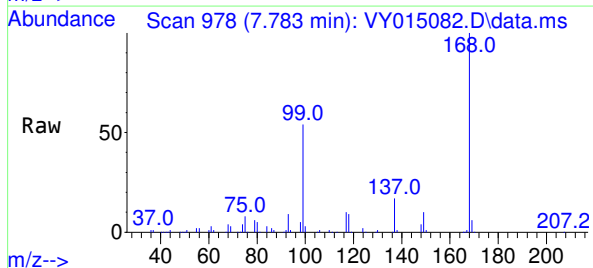




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

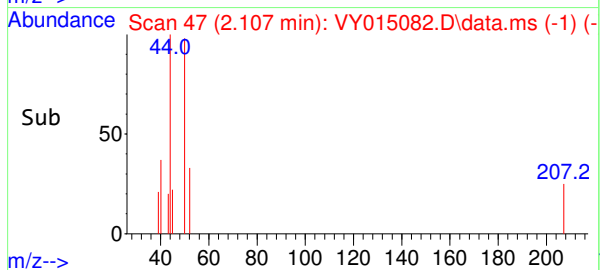
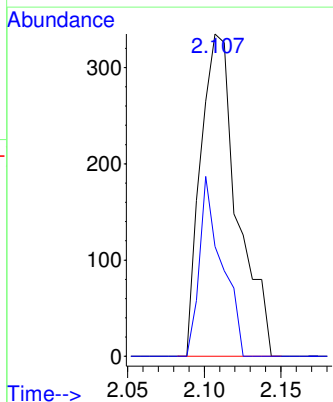
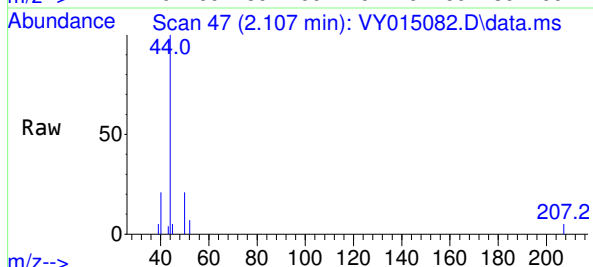
Instrument :
MSVOA_Y
ClientSampleId :
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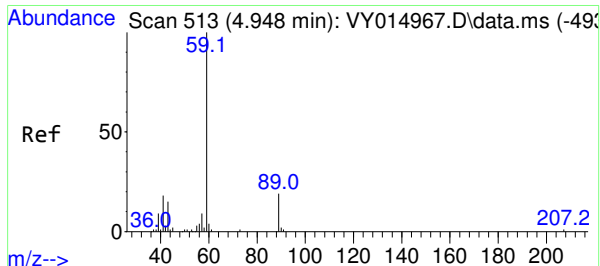
Tgt Ion:168 Resp: 146192
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

Tgt Ion: 50 Resp: 557
Ion Ratio Lower Upper
50 100
52 34.0 25.4 38.2

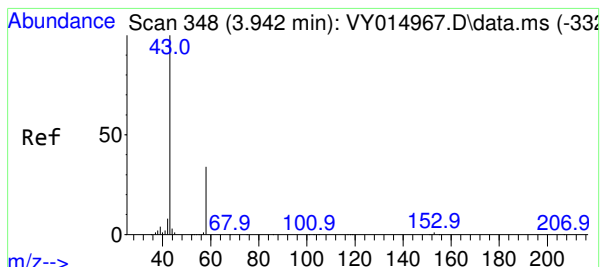
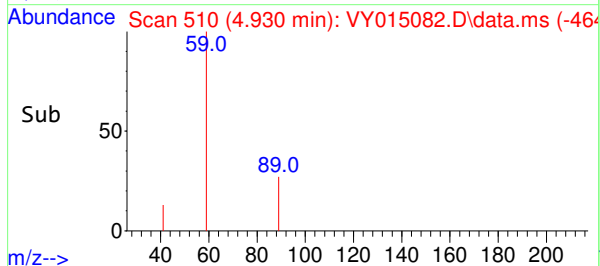
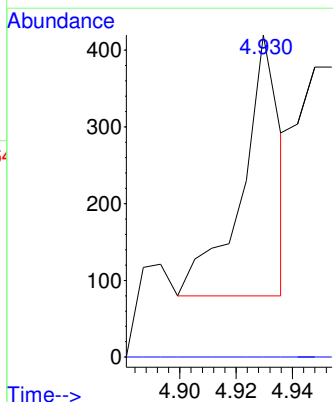
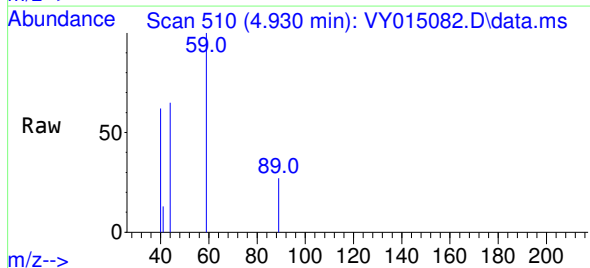




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

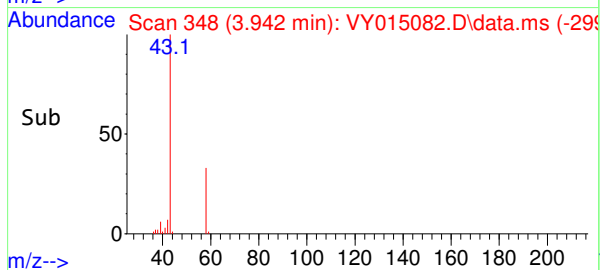
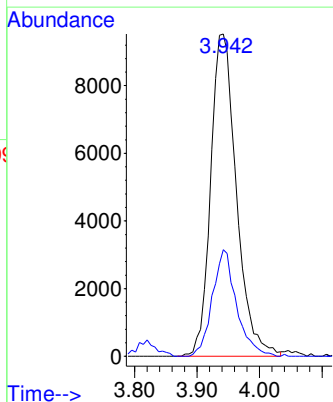
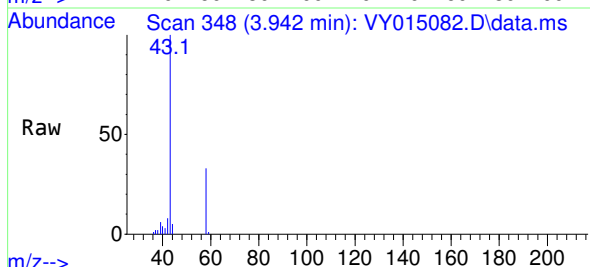
Instrument : MSVOA_Y
ClientSampleId : B-PP041A

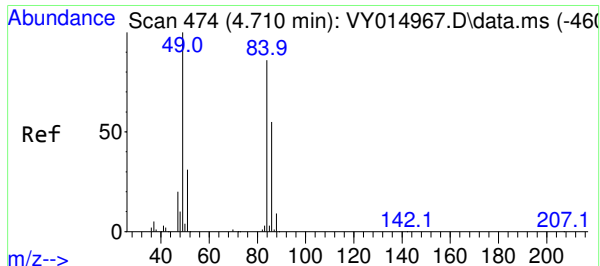
Tgt Ion: 59 Resp: 322
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 47.50 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

Tgt Ion: 43 Resp: 27234
Ion Ratio Lower Upper
43 100
58 33.0 22.7 34.1

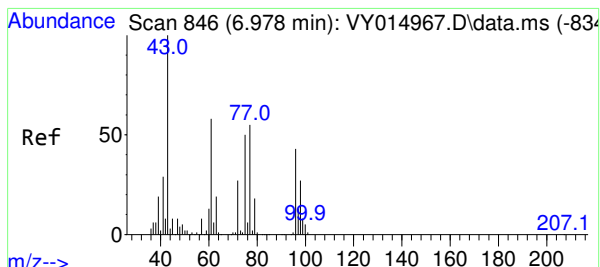
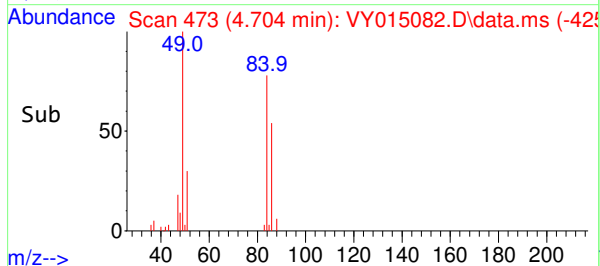
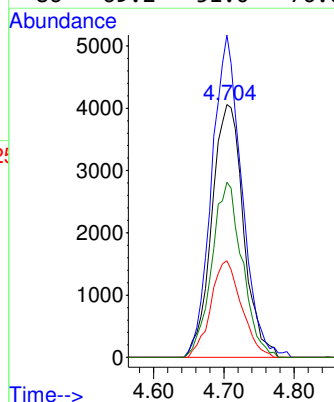
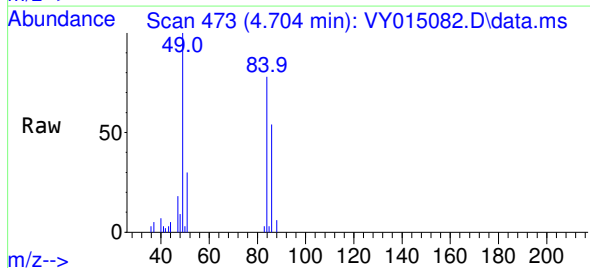




#20
Methylene Chloride
Concen: 5.36 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

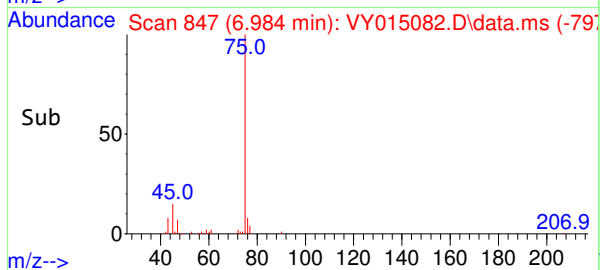
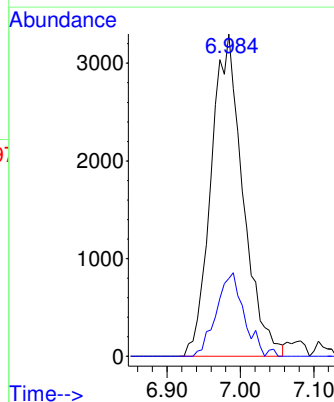
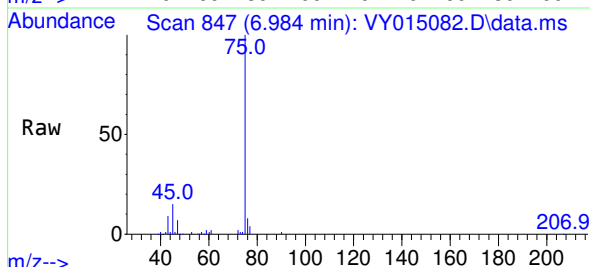
Instrument :
MSVOA_Y
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B-PP041A

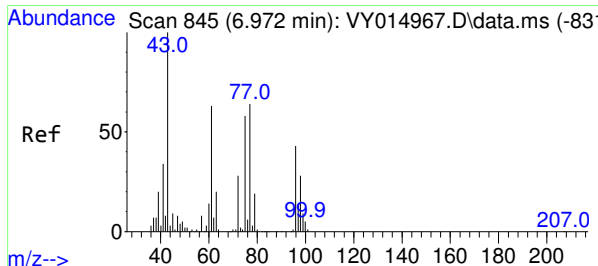
Tgt Ion:	84	Resp:	12671
Ion	Ratio	Lower	Upper
84	100		
49	127.5	106.9	160.3
51	38.2	33.2	49.8
86	69.2	51.0	76.6



#25
2-Butanone
Concen: 12.23 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

Tgt Ion:	43	Resp:	9925
Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.5	30.7

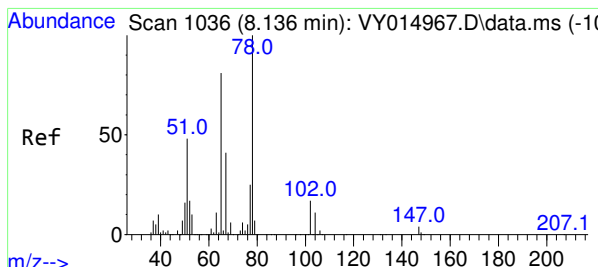
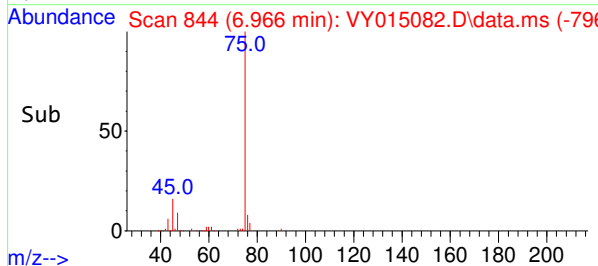
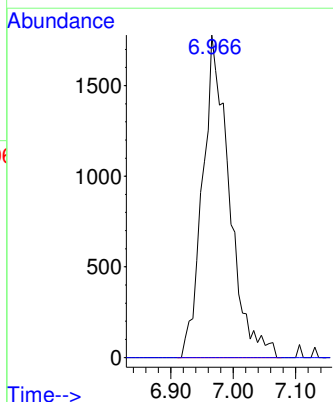
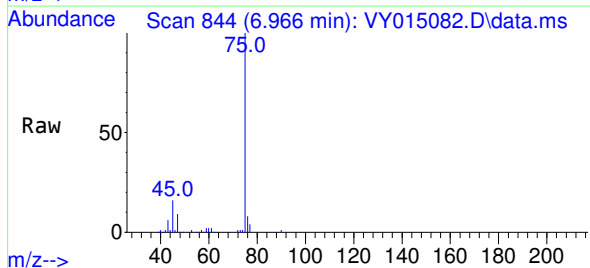




#26
2,2-Dichloropropane
Concen: 2.26 ug/l
RT: 6.966 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

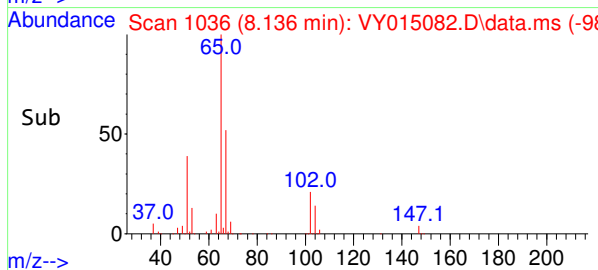
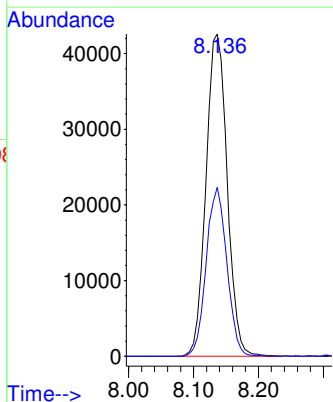
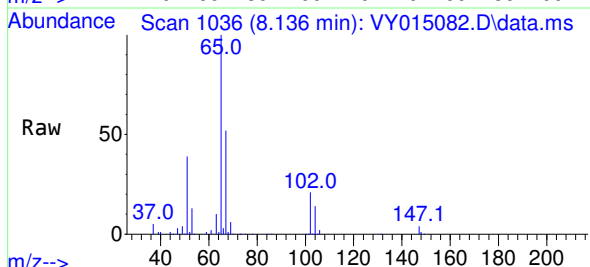
Instrument :
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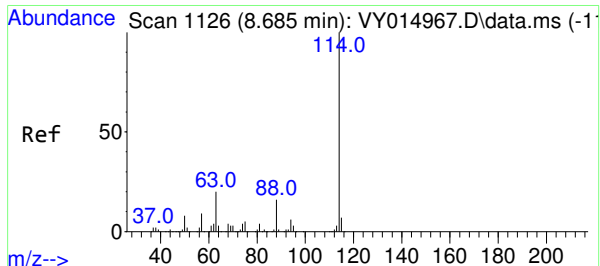
Tgt Ion: 77 Resp: 5299
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 55.07 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

Tgt Ion: 65 Resp: 96650
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.8

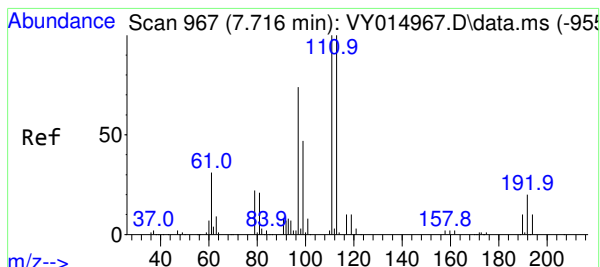
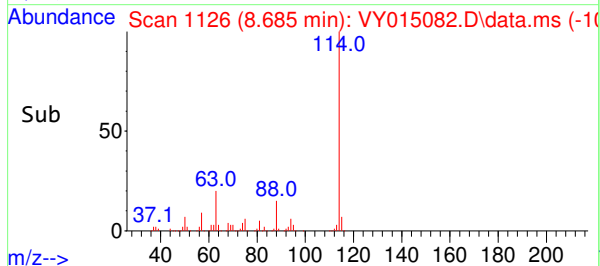
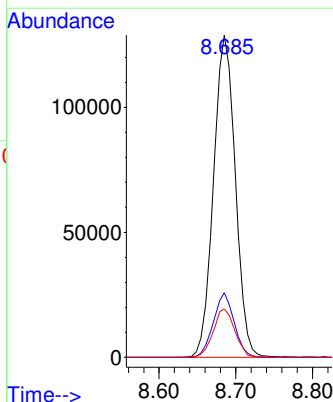
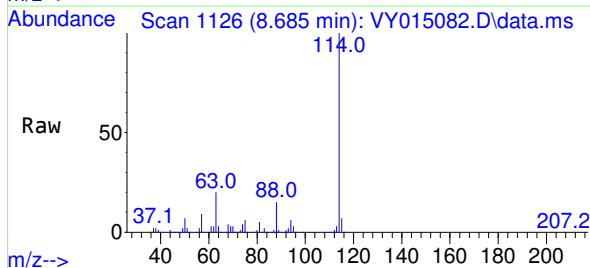




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.685 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

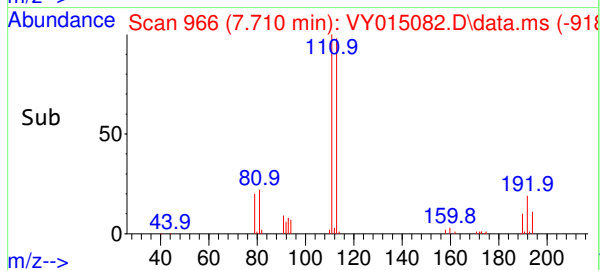
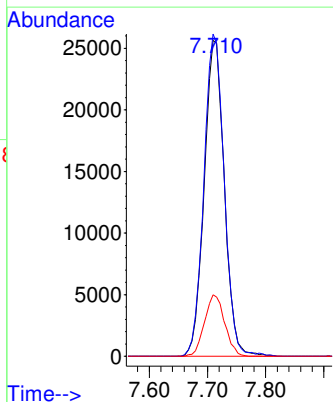
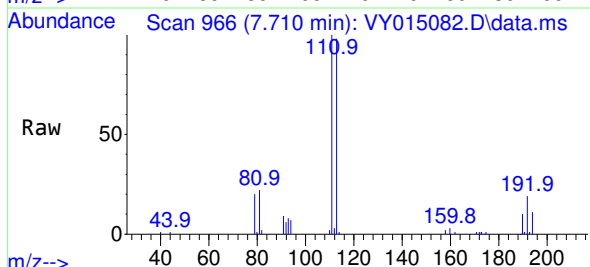
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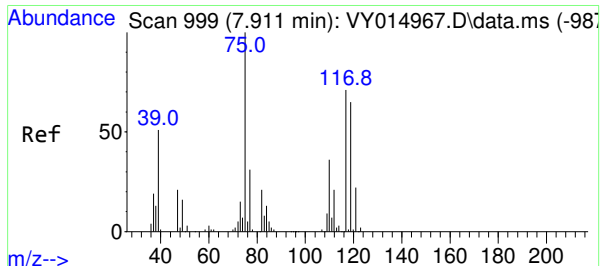
Tgt Ion:	114	Resp:	254548
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	42.4
88	15.0	0.0	30.6



#35
Dibromofluoromethane
Concen: 37.85 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

Tgt Ion:	113	Resp:	61975
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	19.5	16.9	25.3

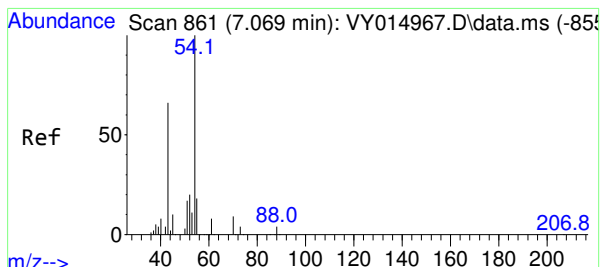
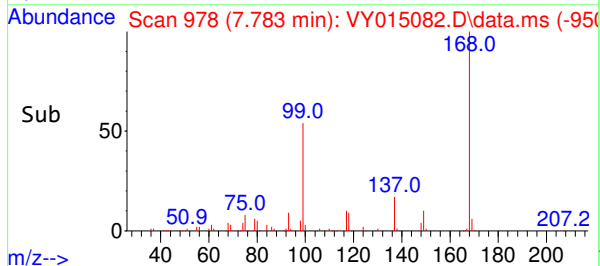
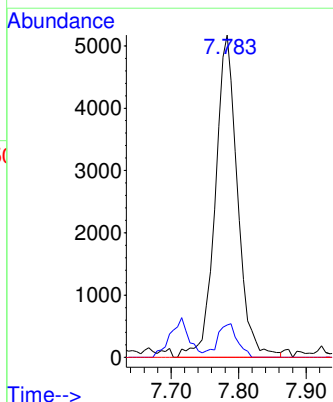
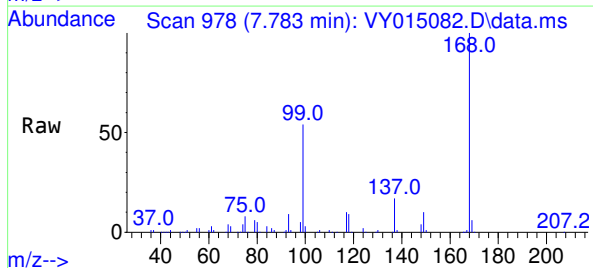




#36
1,1-Dichloropropene
Concen: 6.55 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.128 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

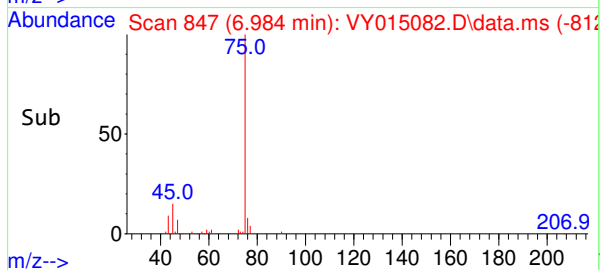
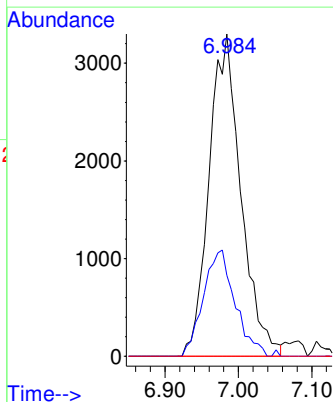
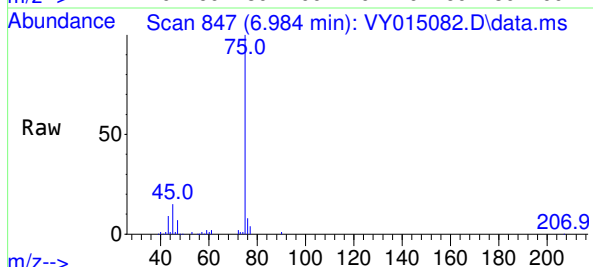
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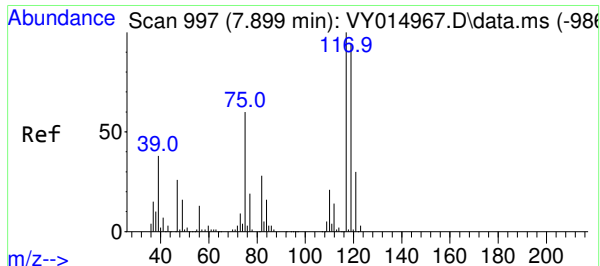
Tgt Ion: 75 Resp: 11862
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 5.88 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

Tgt Ion: 43 Resp: 9925
Ion Ratio Lower Upper
43 100
61 32.8 10.1 15.1#
70 0.0 7.1 10.7#

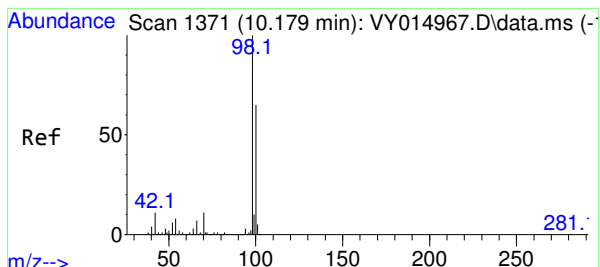
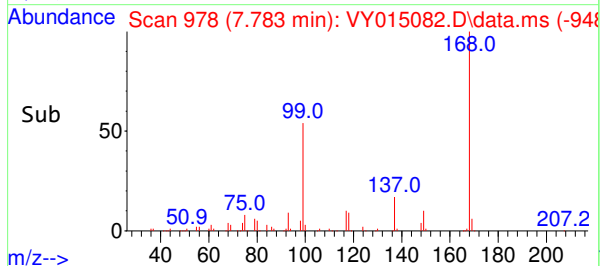
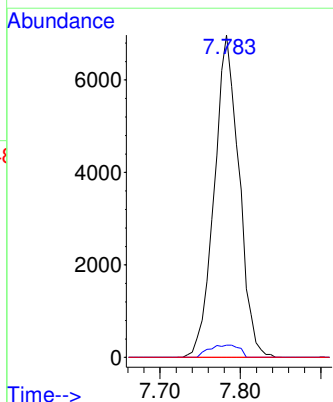
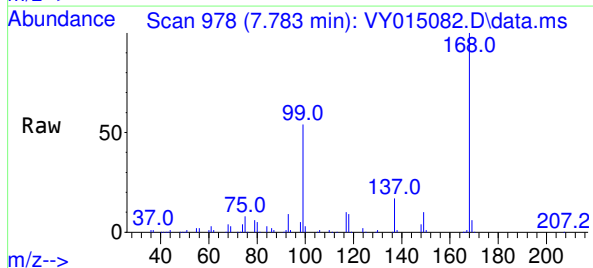




#38
Carbon Tetrachloride
Concen: 6.94 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.116 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

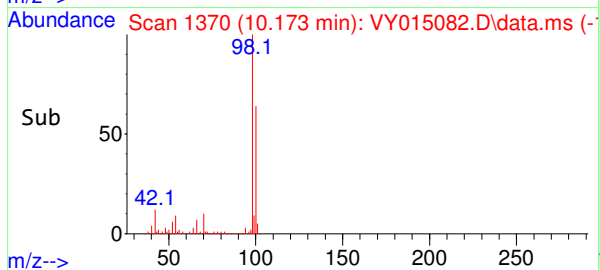
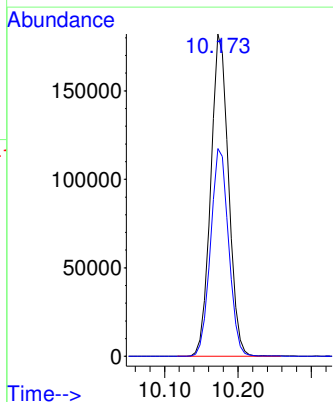
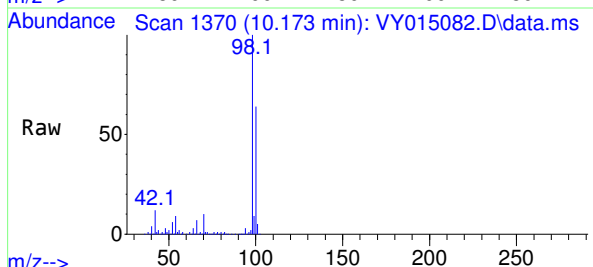
Instrument :
MSVOA_Y
ClientSampleId :
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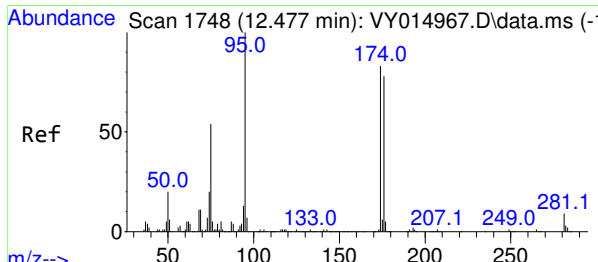
Tgt Ion: 117 Resp: 14885
Ion Ratio Lower Upper
117 100
119 3.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.19 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

Tgt Ion: 98 Resp: 305965
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1

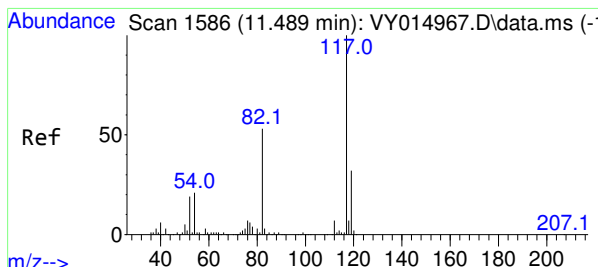
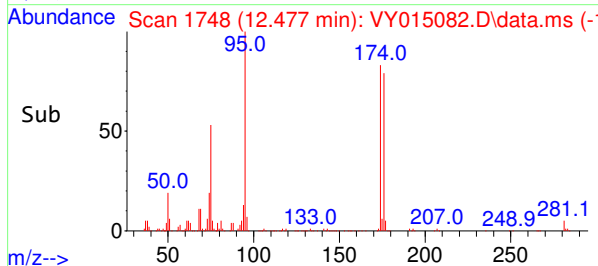
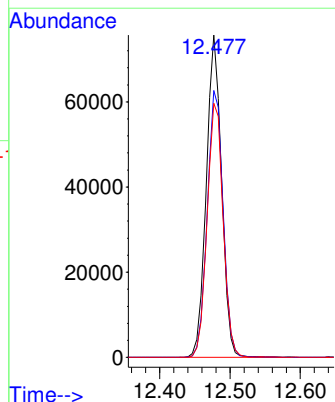
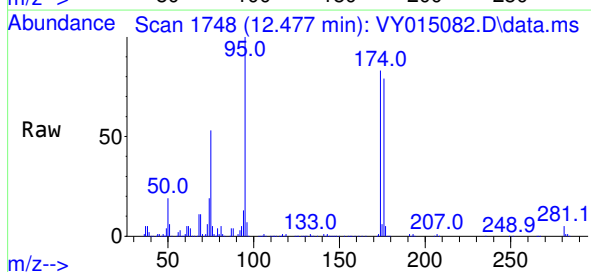




#62
4-Bromofluorobenzene
Concen: 51.26 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

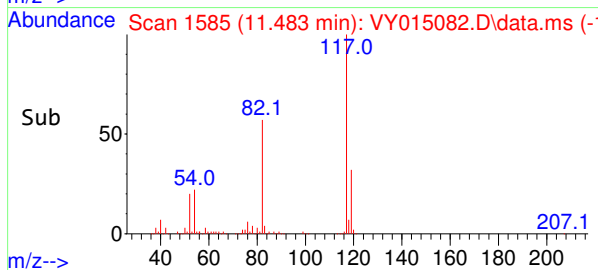
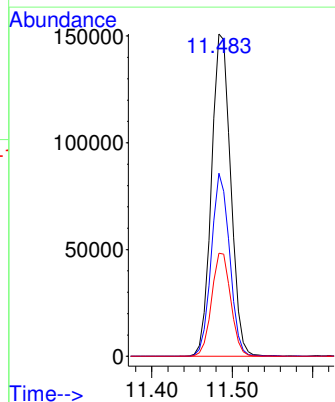
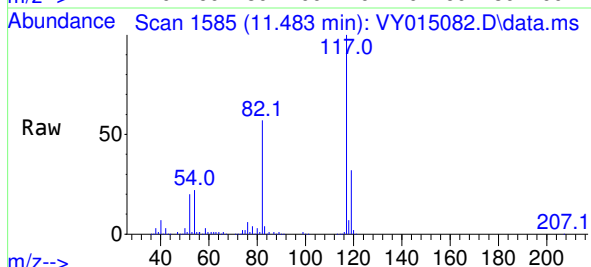
Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

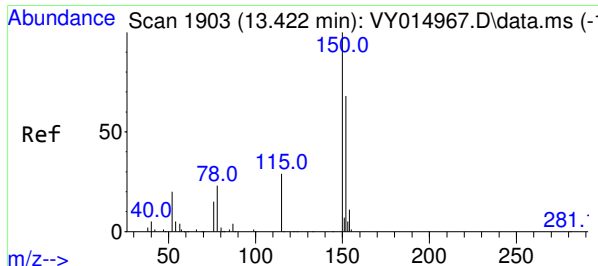
Tgt Ion:	95	Resp:	114133
Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	178.2
176	82.5	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

Tgt Ion:	117	Resp:	250533
Ion	Ratio	Lower	Upper
117	100		
82	56.8	43.4	65.0
119	32.0	26.3	39.5

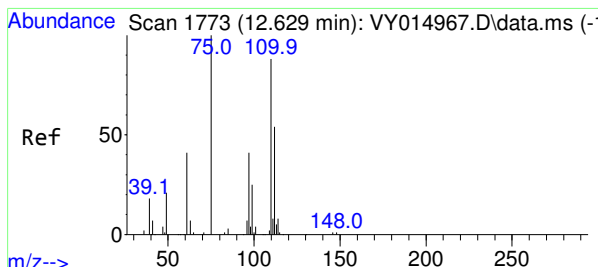
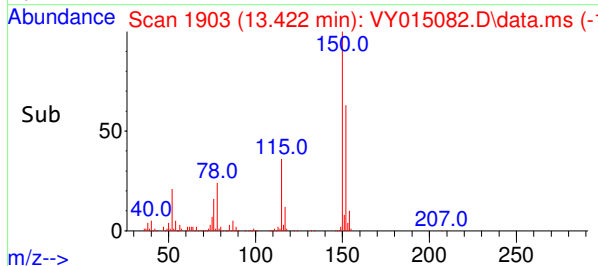
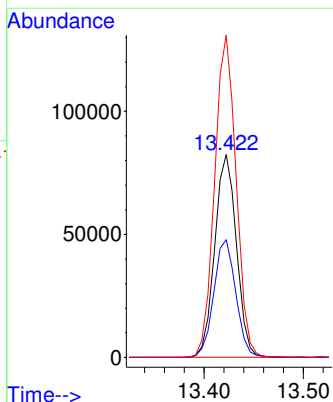
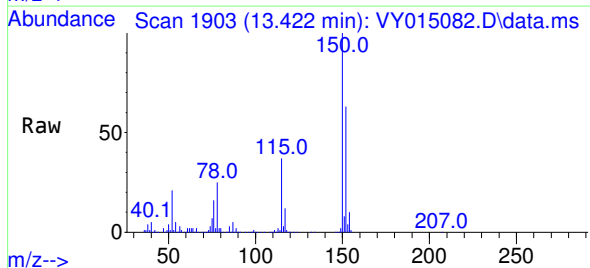




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

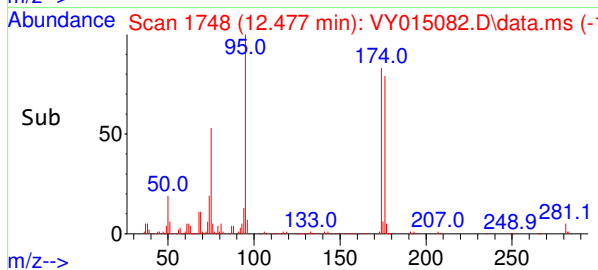
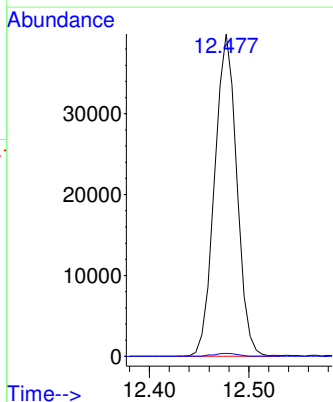
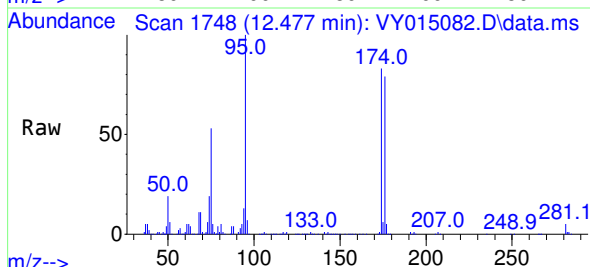
Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

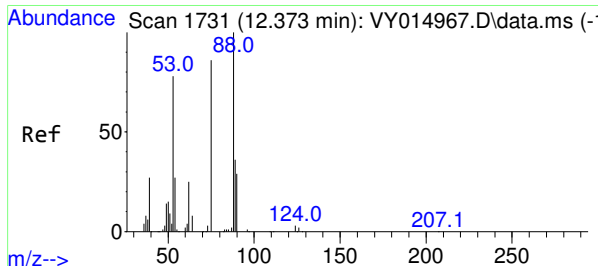
Tgt Ion:152 Resp: 125956
Ion Ratio Lower Upper
152 100
115 59.1 28.8 86.5
150 157.4 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 40.78 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

Tgt Ion: 75 Resp: 62400
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

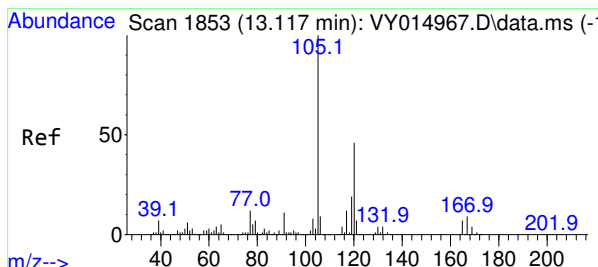
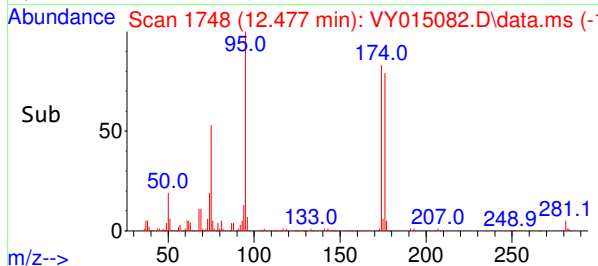
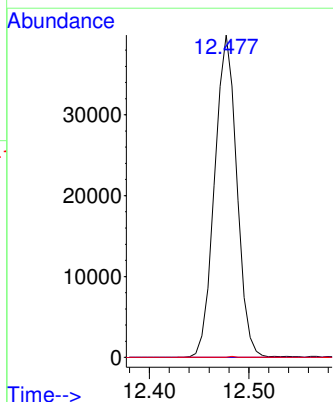
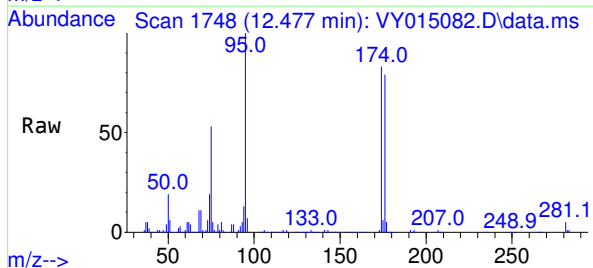




#81
trans-1,4-Dichloro-2-butene
Concen: 89.57 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.104 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

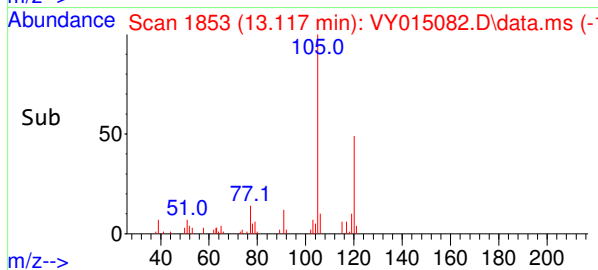
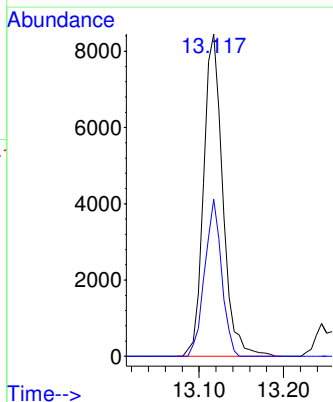
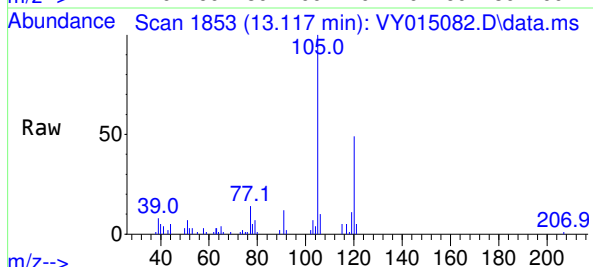
Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

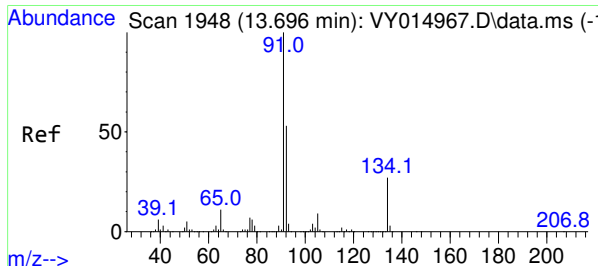
Tgt Ion: 75 Resp: 62400
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.98 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

Tgt Ion: 105 Resp: 13376
Ion Ratio Lower Upper
105 100
120 43.0 22.2 66.6

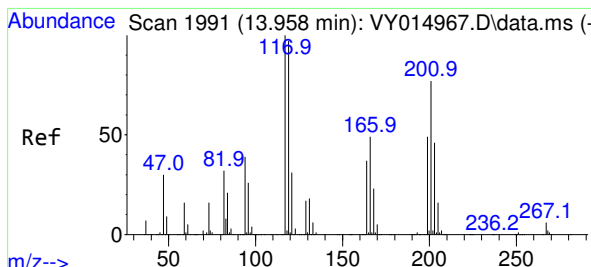
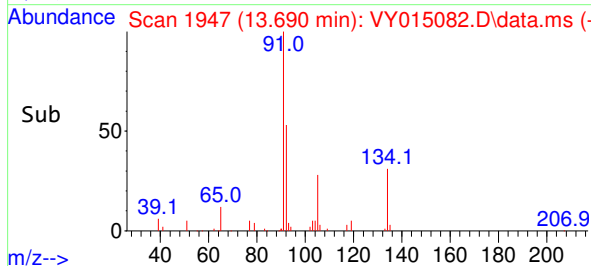
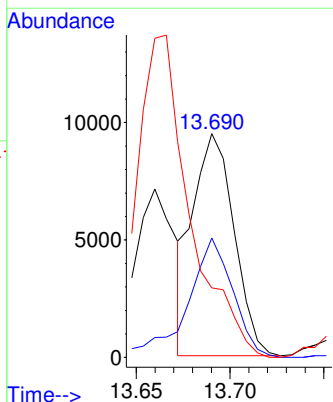
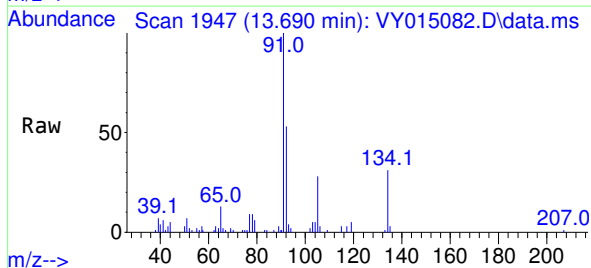




#89
n-Butylbenzene
Concen: 2.03 ug/l
RT: 13.690 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

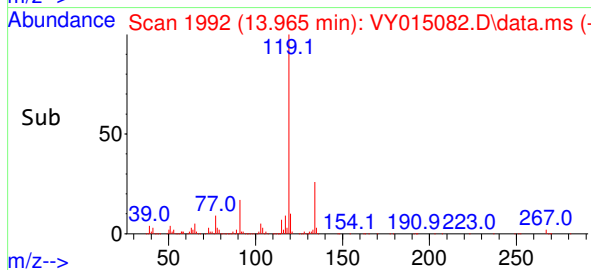
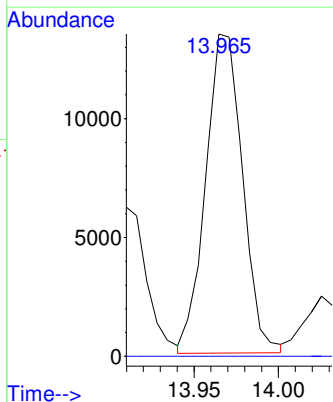
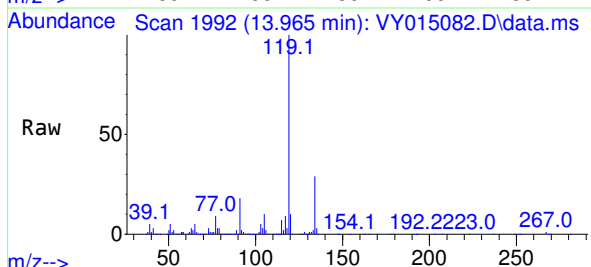
Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

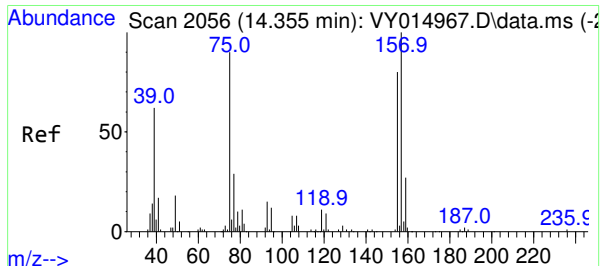
Tgt Ion: 91 Resp: 14382
Ion Ratio Lower Upper
91 100
92 59.1 25.4 76.0
134 0.0 12.6 37.6#



#90
Hexachloroethane
Concen: 13.74 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. 0.006 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

Tgt Ion:117 Resp: 20454
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#

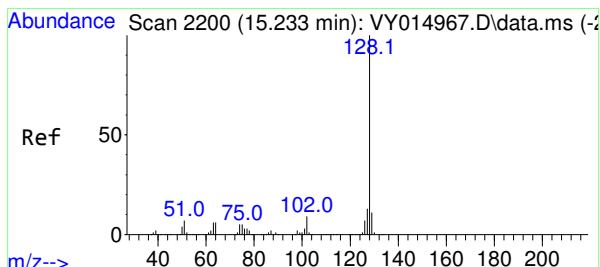
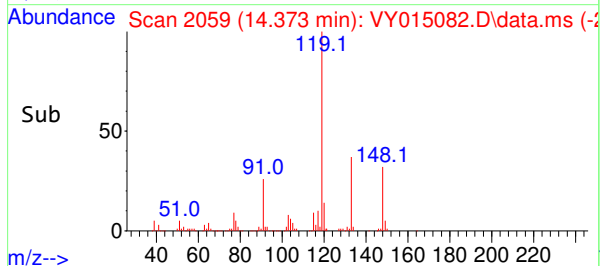
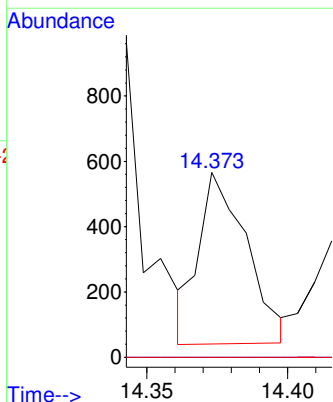
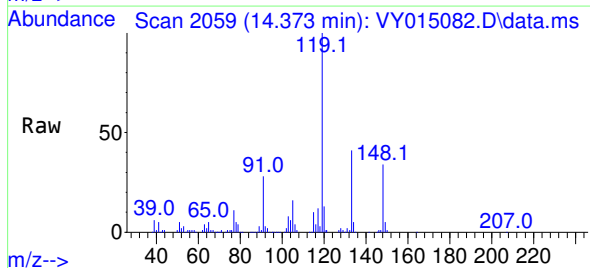




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.51 ug/l
RT: 14.373 min Scan# 21
Delta R.T. 0.018 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

Instrument :
MSVOA_Y
ClientSampleId :
B-PP041A

Tgt Ion: 75 Resp: 618
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 51.8 155.5#



#95
Naphthalene
Concen: 85.51 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY015082.D
Acq: 14 Aug 2023 16:24

Tgt Ion: 128 Resp: 500249
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 11.1 8.6 13.0

