

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015340.D
 Acq On : 25 Aug 2023 14:17
 Operator : SY/MD
 Sample : 04165-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:41:46 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)

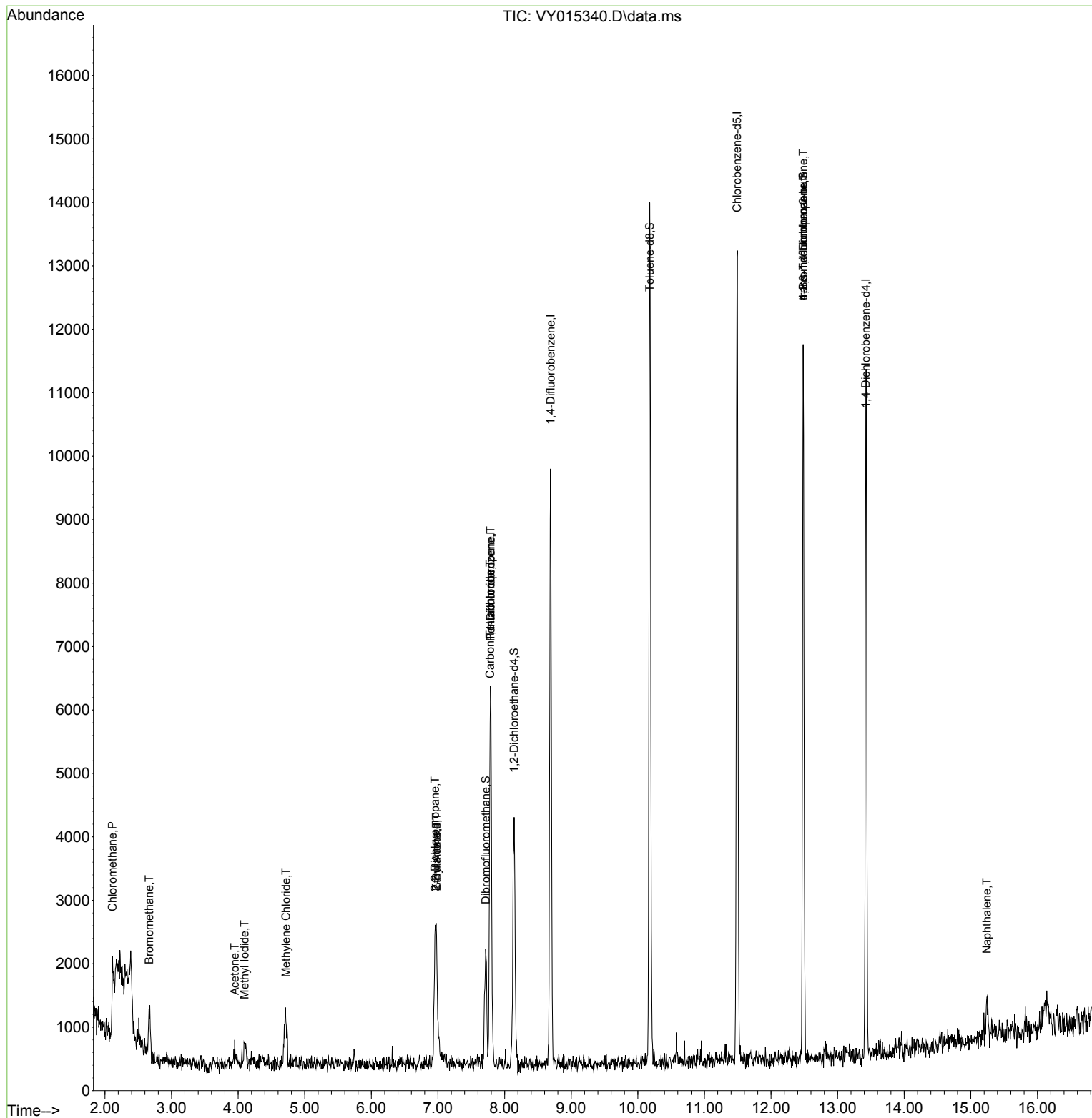
Internal Standards						
1) Pentafluorobenzene	7.789	168	5059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	8288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	7623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	3396	55.921	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.840%	
35) Dibromofluoromethane	7.716	113	1486	27.870	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 55.740%	
50) Toluene-d8	10.179	98	9515	47.938	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.880%	
62) 4-Bromofluorobenzene	12.483	95	3223	44.457	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.920%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	244	4.610	ug/l	89
5) Bromomethane	2.662	94	477	14.873	ug/l #	80
10) Methyl Iodide	4.095	142	586	14.156	ug/l #	73
11) Tert butyl alcohol	4.924	59	24	Below Cal	#	89
16) Acetone	3.948	43	208	10.484	ug/l #	46
20) Methylene Chloride	4.716	84	477	6.247	ug/l #	66
25) 2-Butanone	6.978	43	57	2.029	ug/l #	49
26) 2,2-Dichloropropane	6.954	77	87	1.070	ug/l #	54
31) Cyclohexane	7.807	56	48	Below Cal	#	17
36) 1,1-Dichloropropene	7.789	75	379	6.425	ug/l #	41
37) Ethyl Acetate	6.978	43	57	1.037	ug/l #	71
38) Carbon Tetrachloride	7.783	117	532	7.620	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	1584	43.869	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1584	96.357	ug/l #	10
95) Naphthalene	15.239	128	982	7.114	ug/l #	76

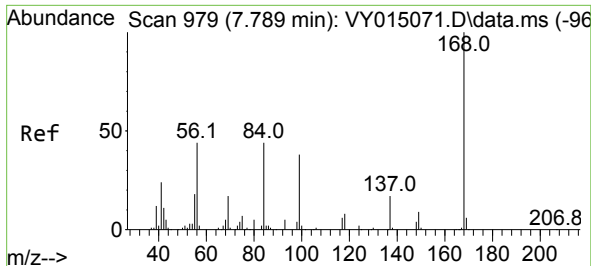
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
Response via : Initial Calibration

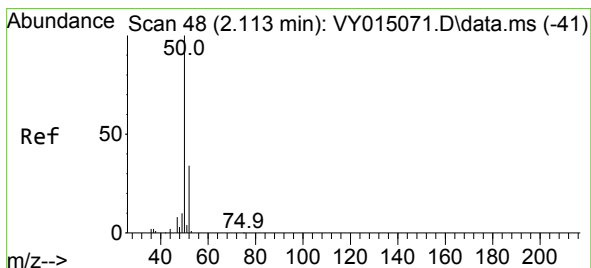
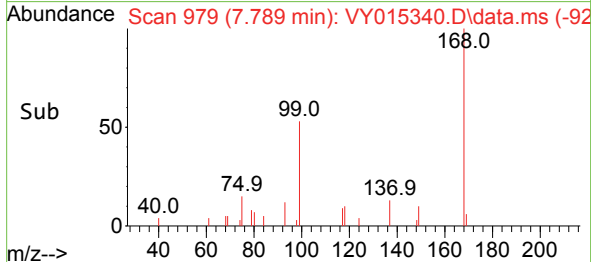
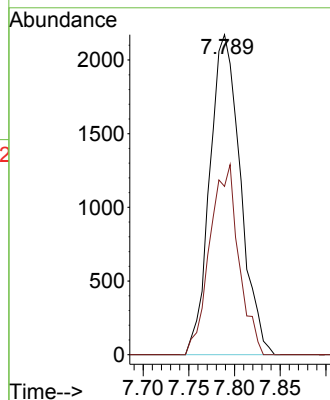
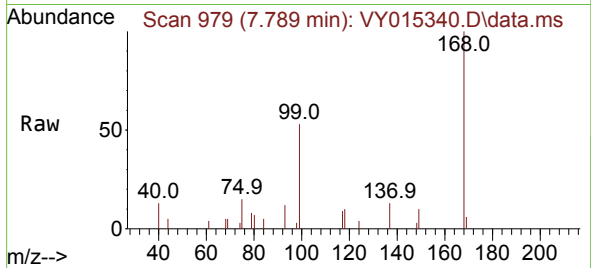




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

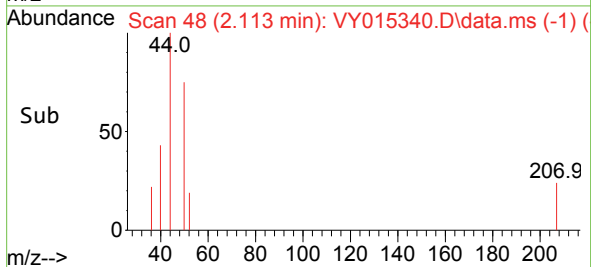
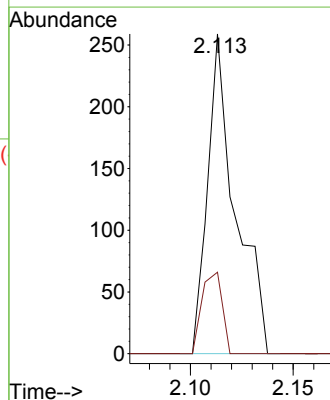
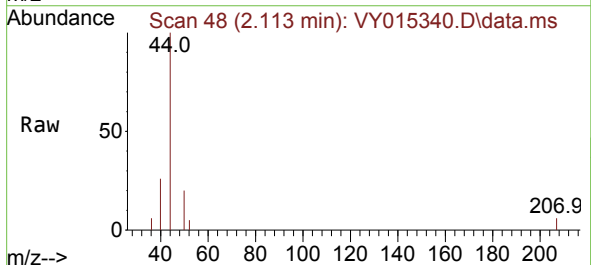
Instrument :
MSVOA_Y
ClientSampleId :

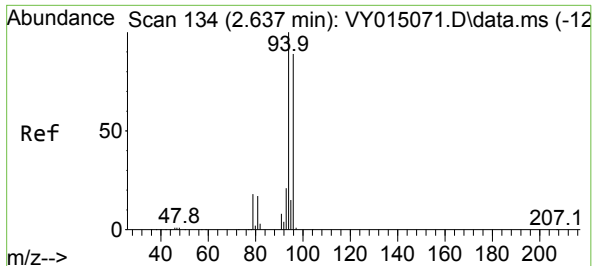
Tgt Ion:168 Resp: 5059
Ion Ratio Lower Upper
168 100
99 52.6 43.4 65.0



#3
Chloromethane
Concen: 4.610 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

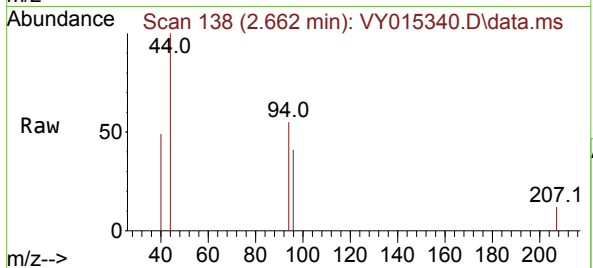
Tgt Ion: 50 Resp: 244
Ion Ratio Lower Upper
50 100
52 25.5 25.4 38.2



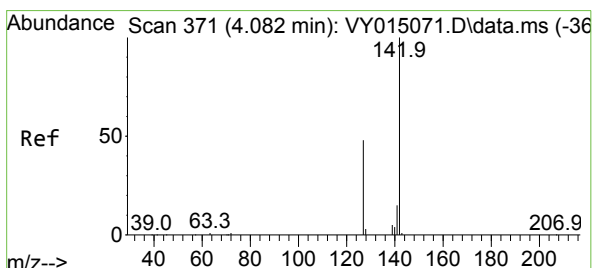
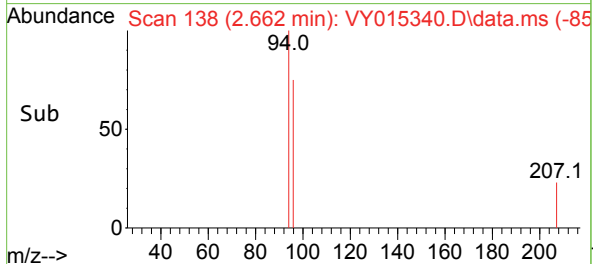
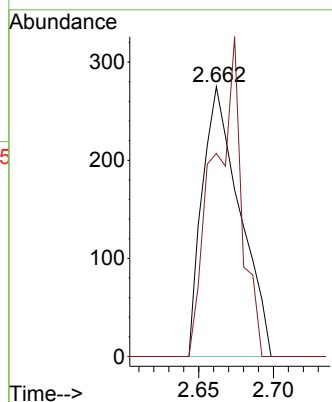


#5
Bromomethane
Concen: 14.873 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

Instrument :
MSVOA_Y
ClientSampleId :

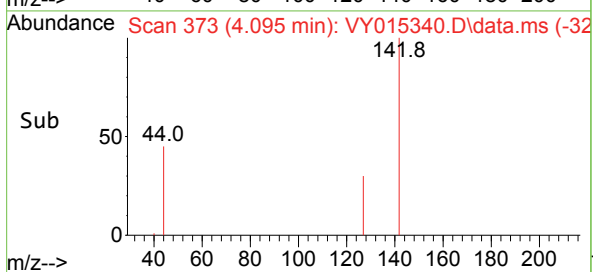
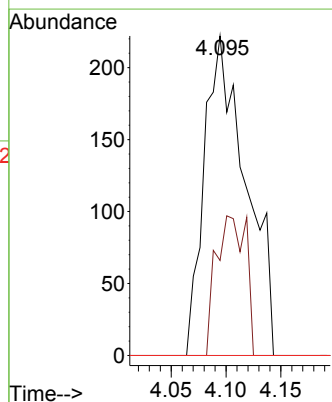
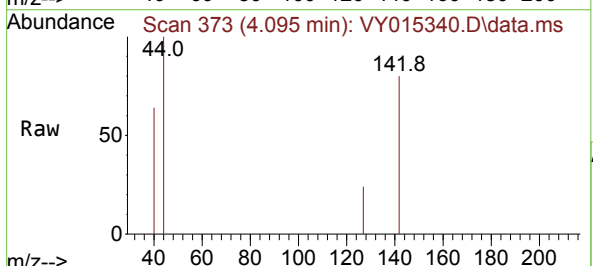


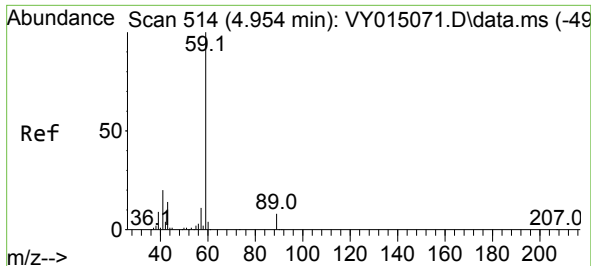
Tgt Ion: 94 Resp: 477
Ion Ratio Lower Upper
94 100
96 75.3 75.8 113.6#



#10
Methyl Iodide
Concen: 14.156 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

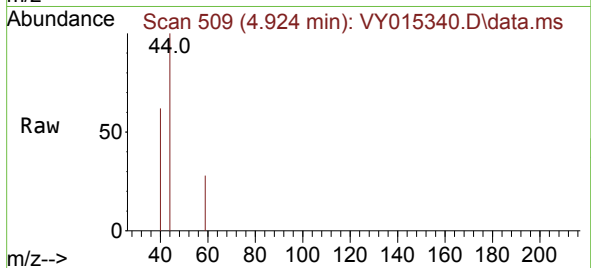
Tgt Ion:142 Resp: 586
Ion Ratio Lower Upper
142 100
127 31.2 37.6 56.4#
141 0.0 11.8 17.8#



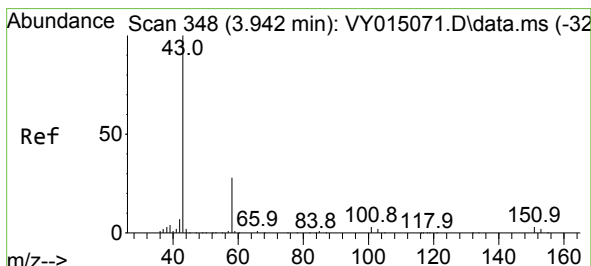
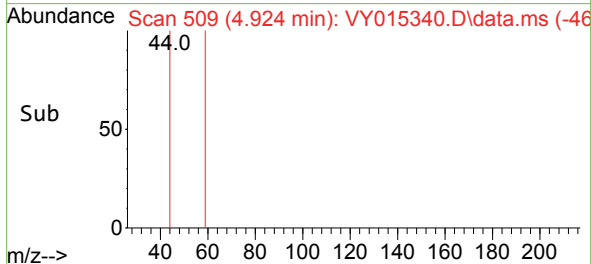
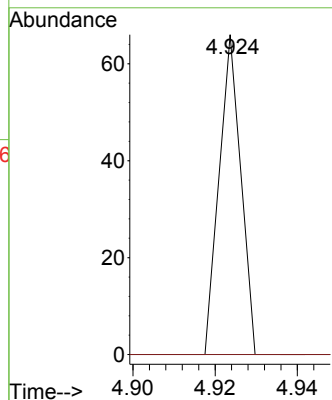


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

Instrument :
MSVOA_Y
ClientSampleId :

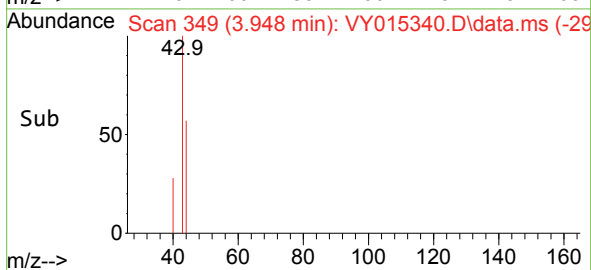
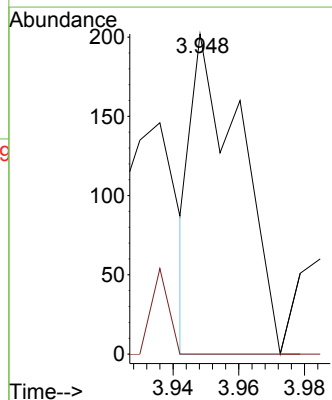
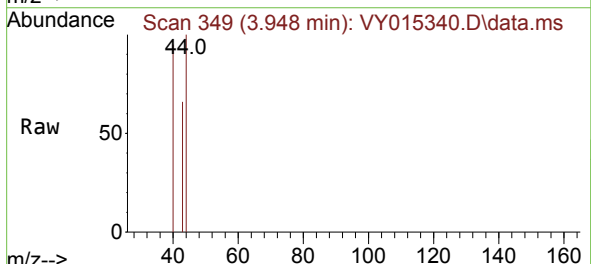


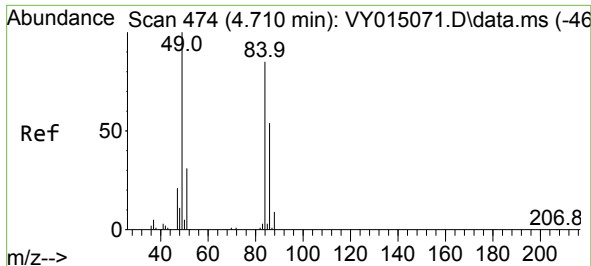
Tgt Ion: 59 Resp: 24
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 10.484 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

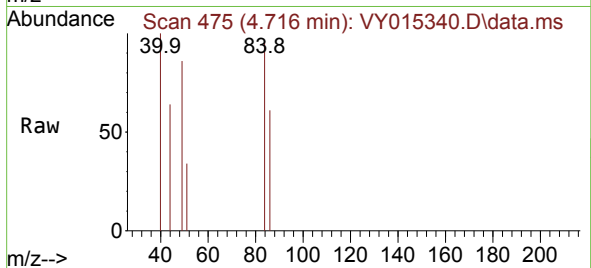
Tgt Ion: 43 Resp: 208
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



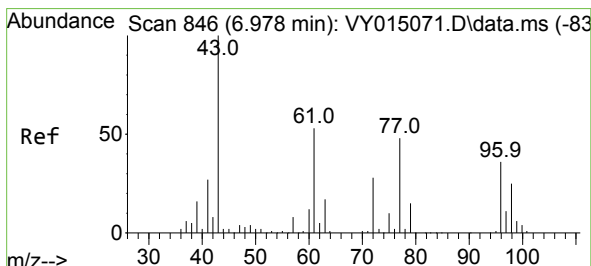
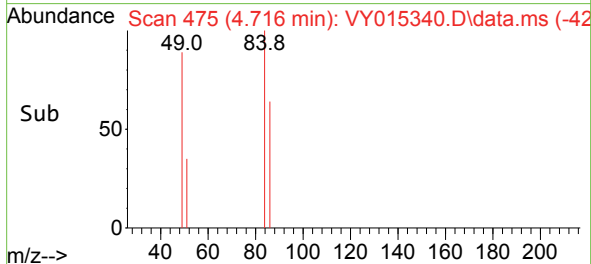
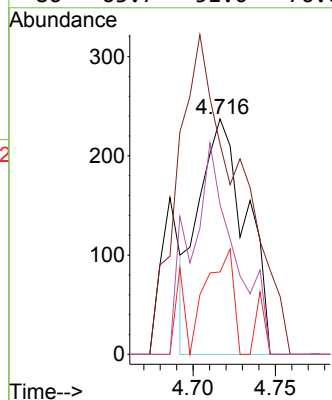


#20
Methylene Chloride
Concen: 6.247 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

Instrument :
MSVOA_Y
ClientSampleId :

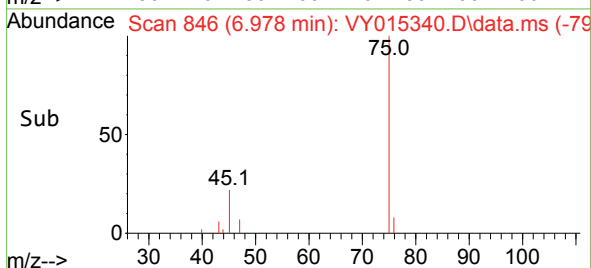
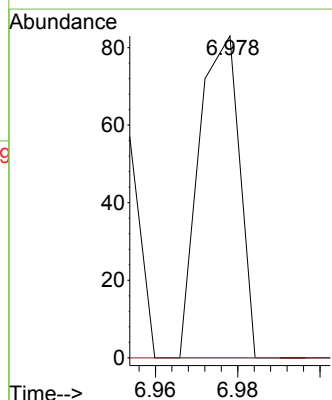
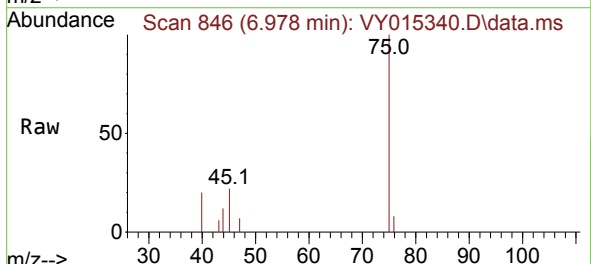


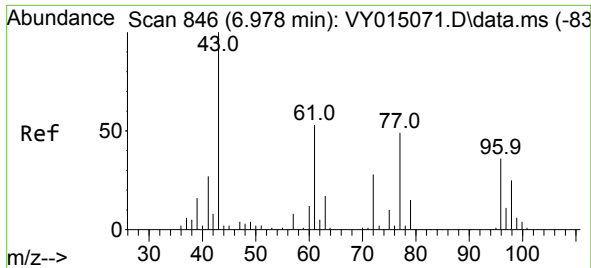
Tgt Ion: 84 Resp: 477
Ion Ratio Lower Upper
84 100
49 65.0 106.9 160.3#
51 35.0 33.2 49.8
86 63.7 51.0 76.6



#25
2-Butanone
Concen: 2.029 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

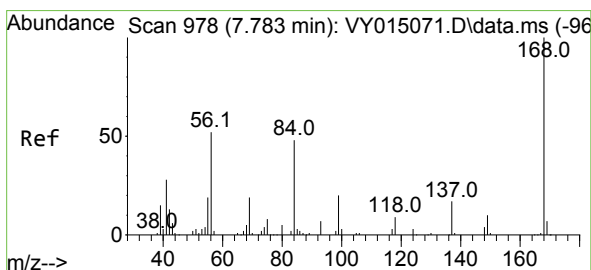
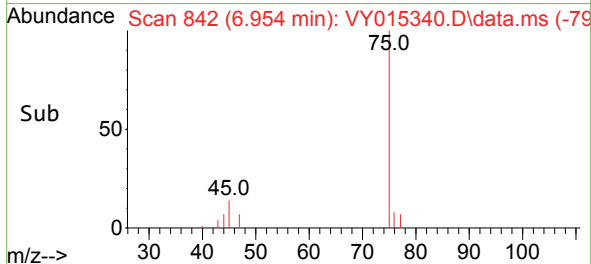
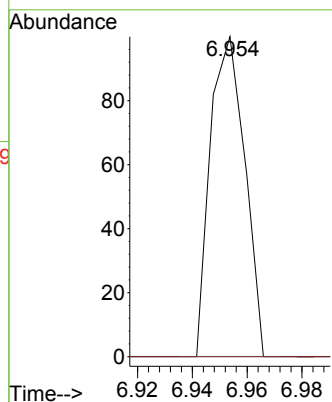
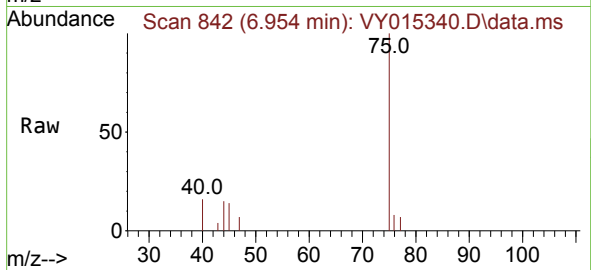




#26
2,2-Dichloropropane
Concen: 1.070 ug/l
RT: 6.954 min Scan# 84
Delta R.T. -0.018 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

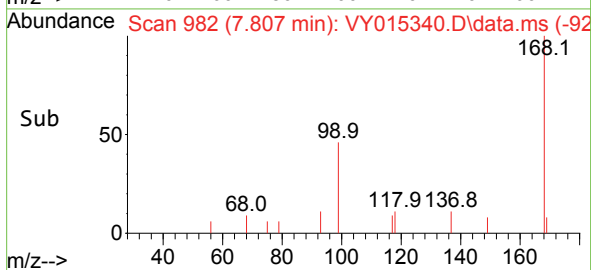
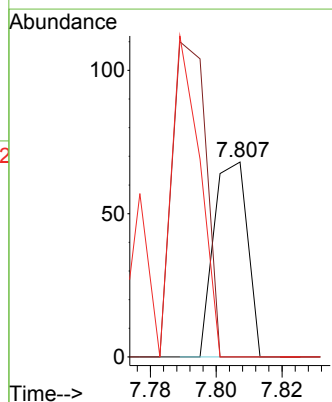
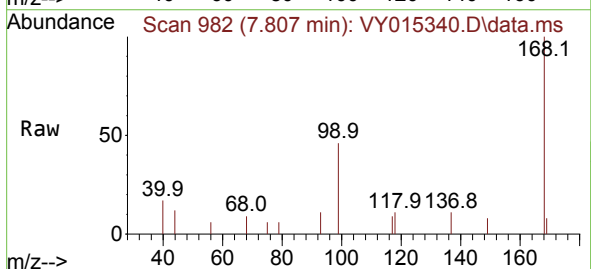
Instrument :
MSVOA_Y
ClientSampleId :

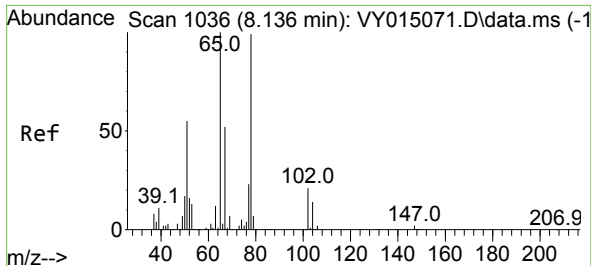
Tgt Ion: 77 Resp: 87
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.807 min Scan# 982
Delta R.T. 0.030 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
69 0.0 27.8 41.6#
84 0.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.921 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.006 min

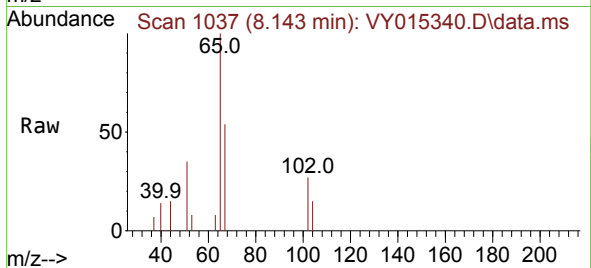
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Acq: 25 Aug 2023 14:17

Instrument :

MSVOA_Y

ClientSampleId :

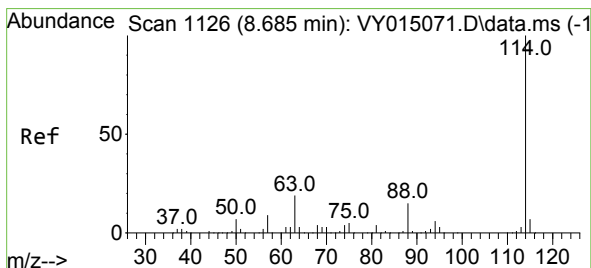
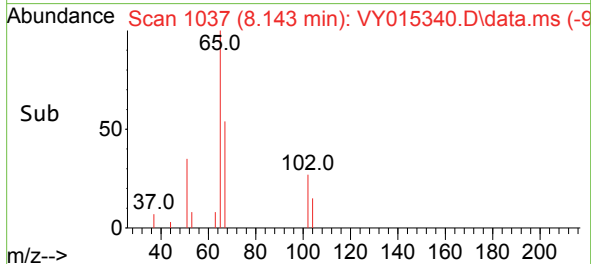
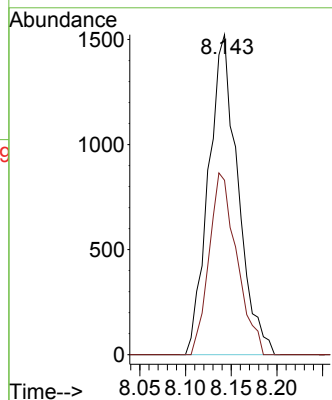


Tgt Ion: 65 Resp: 3396

Ion Ratio Lower Upper

65 100

67 53.7 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: VY015340.D

Acq: 25 Aug 2023 14:17

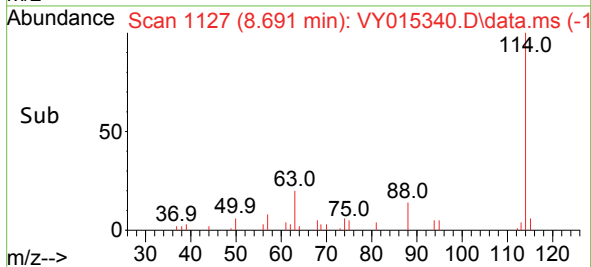
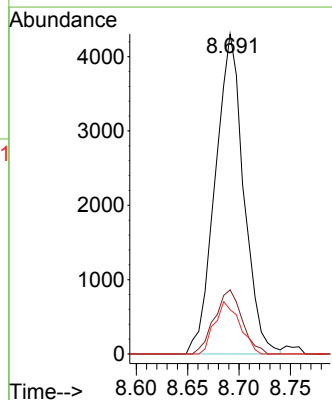
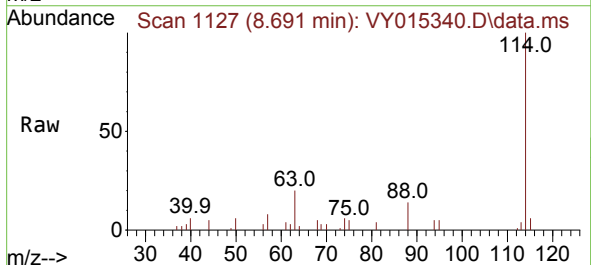
Tgt Ion: 114 Resp: 8288

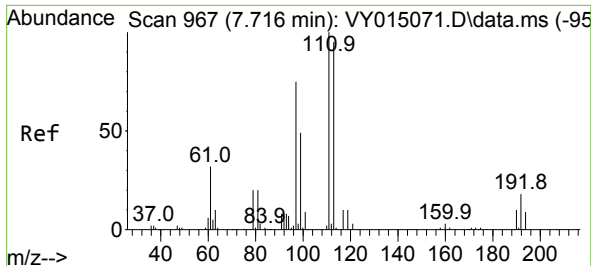
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 13.9 0.0 30.6

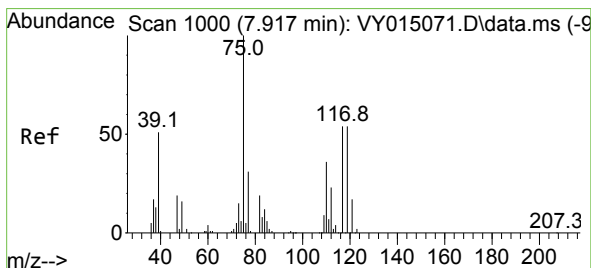
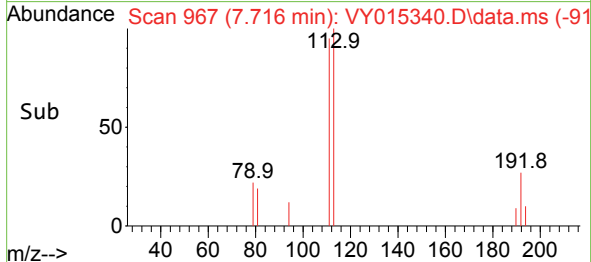
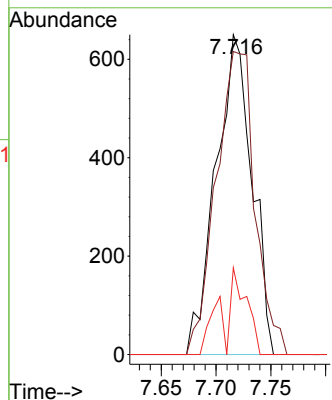
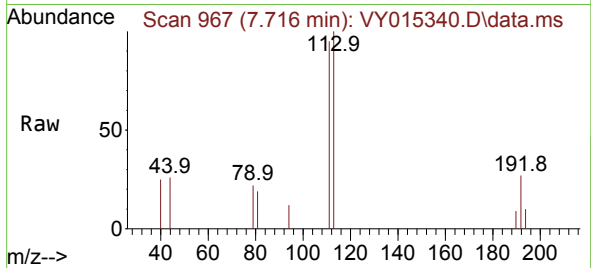




#35
Dibromofluoromethane
Concen: 27.870 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

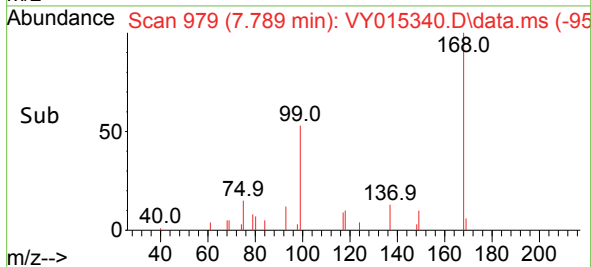
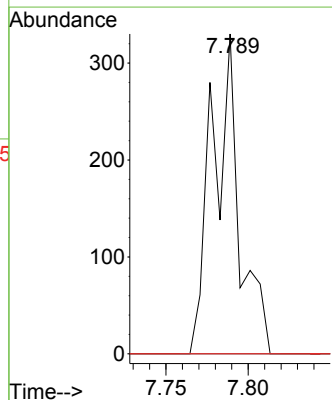
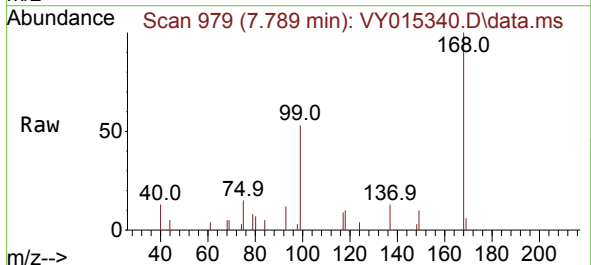
Instrument :
MSVOA_Y
ClientSampleId :

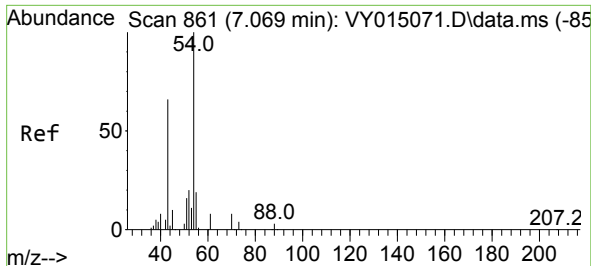
Tgt Ion:113 Resp: 1486
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 11.8 16.9 25.3#



#36
1,1-Dichloropropene
Concen: 6.425 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

Tgt Ion: 75 Resp: 379
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.037 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

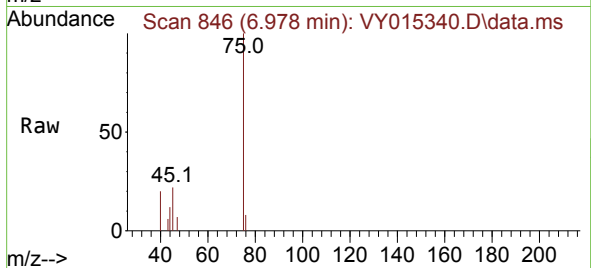
Lab File: VY015340.D

Acq: 25 Aug 2023 14:17

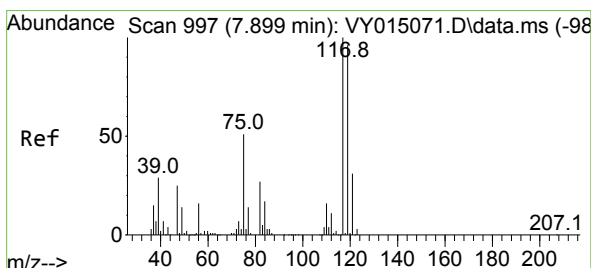
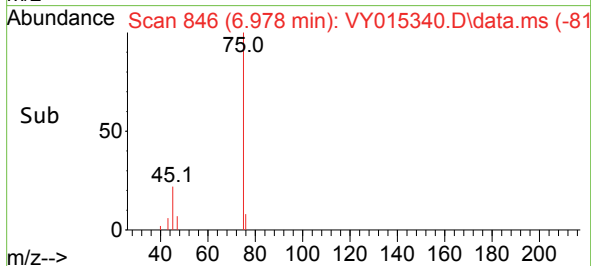
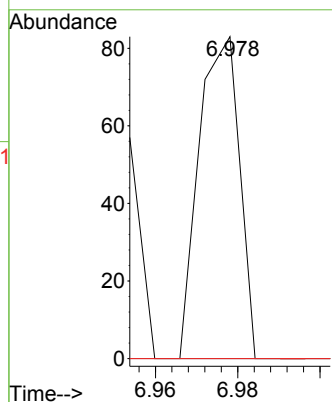
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	57
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 7.620 ug/l

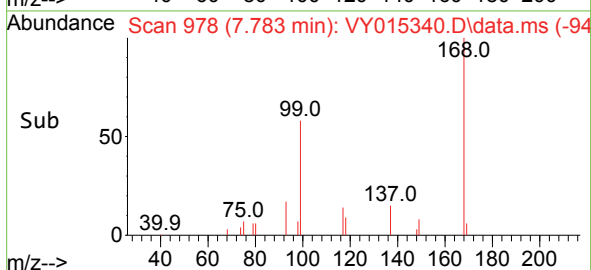
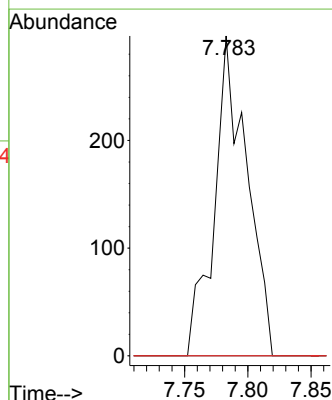
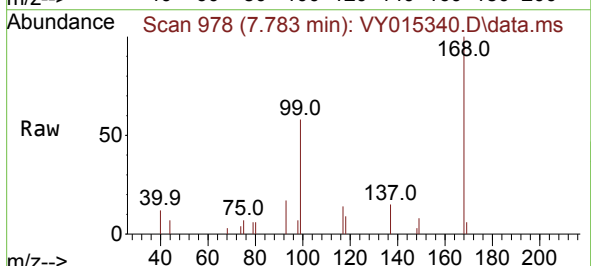
RT: 7.783 min Scan# 978

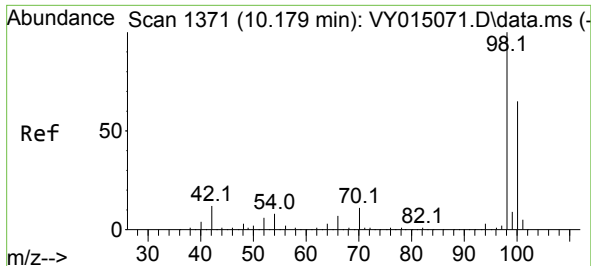
Delta R.T. -0.116 min

Lab File: VY015340.D

Acq: 25 Aug 2023 14:17

Tgt Ion:	117	Resp:	532
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.4	114.6#
121	0.0	25.8	38.6#

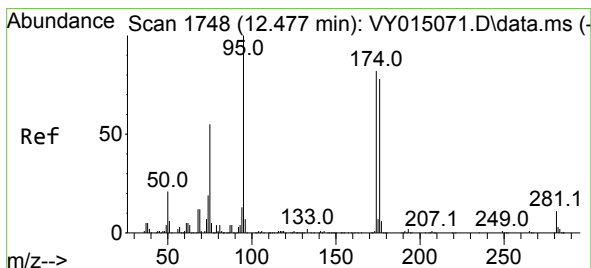
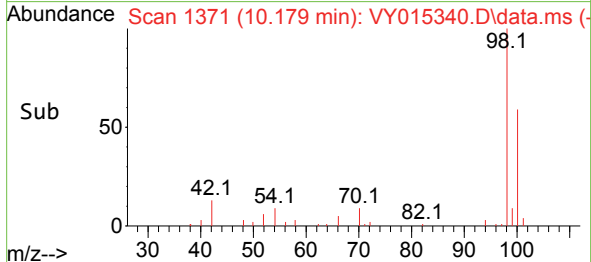
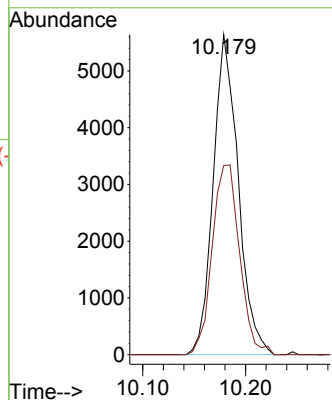
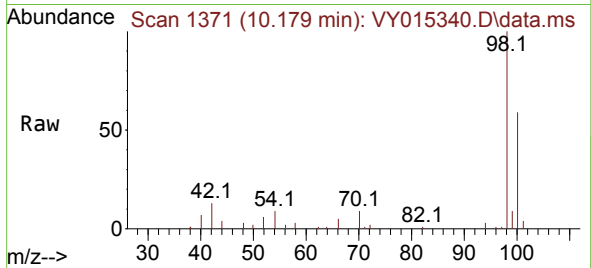




#50
Toluene-d8
Concen: 47.938 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

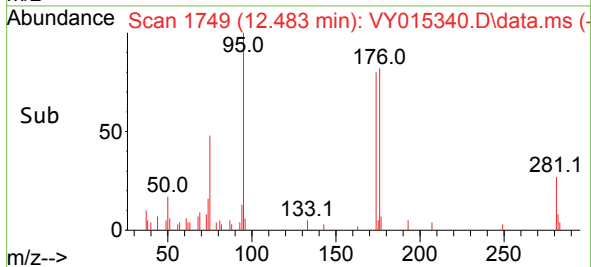
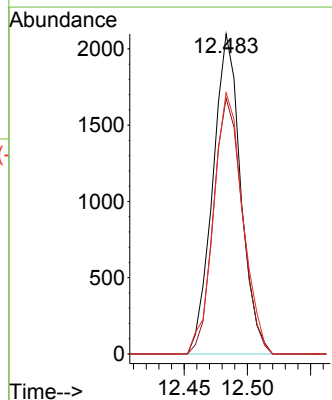
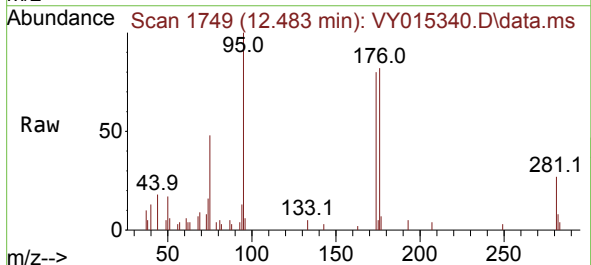
Instrument :
MSVOA_Y
ClientSampleId :

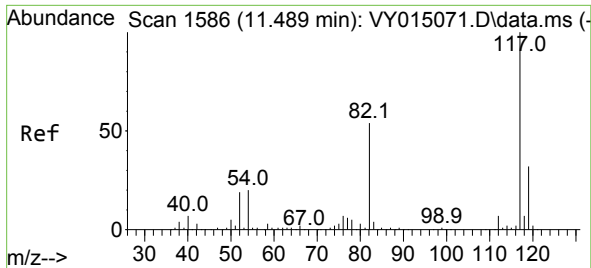
Tgt Ion: 98 Resp: 9515
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.457 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

Tgt Ion: 95 Resp: 3223
Ion Ratio Lower Upper
95 100
174 81.8 0.0 178.2
176 85.2 0.0 173.8

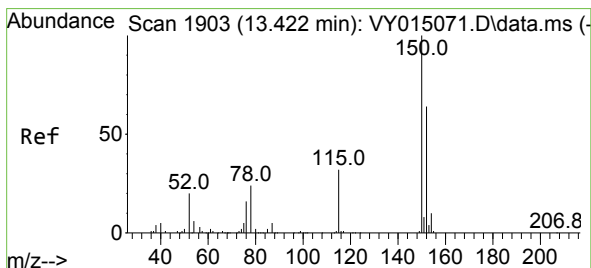
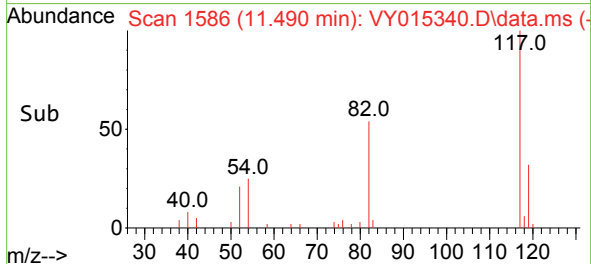
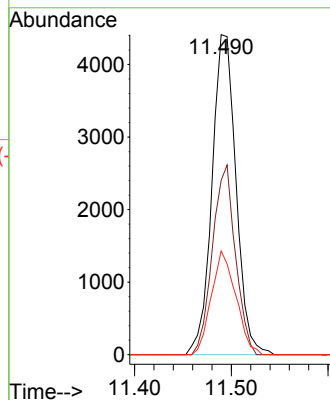
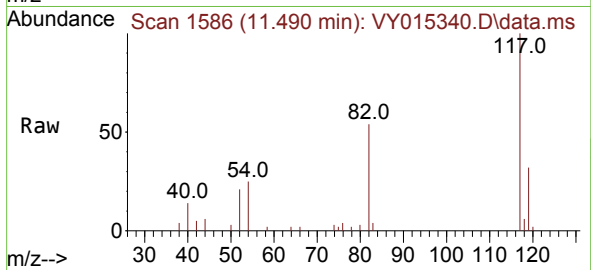




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

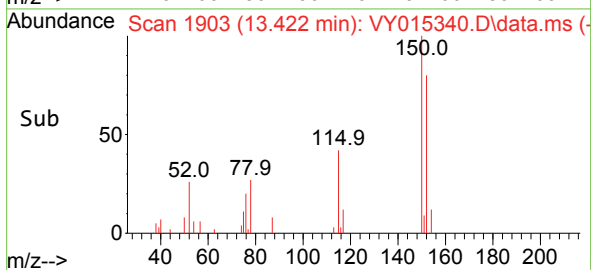
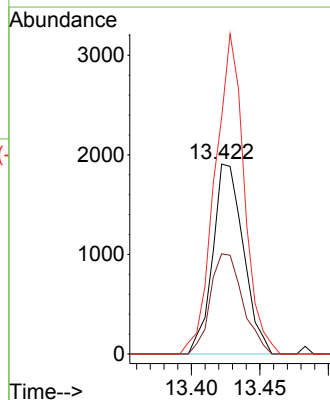
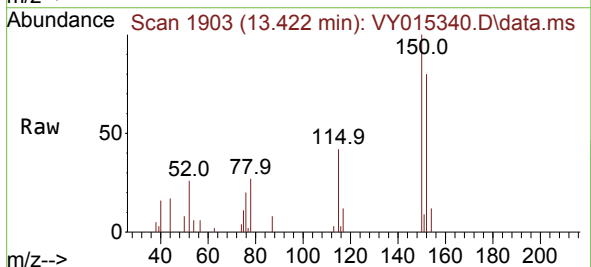
Instrument :
MSVOA_Y
ClientSampleId :

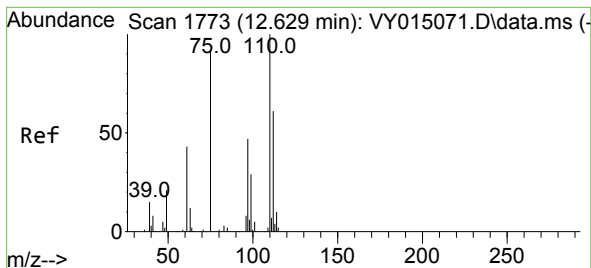
Tgt Ion:117 Resp: 7623
Ion Ratio Lower Upper
117 100
82 54.4 43.4 65.0
119 32.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

Tgt Ion:152 Resp: 2972
Ion Ratio Lower Upper
152 100
115 55.7 28.8 86.5
150 161.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 43.869 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015340.D

Acq: 25 Aug 2023 14:17

Instrument :

MSVOA_Y

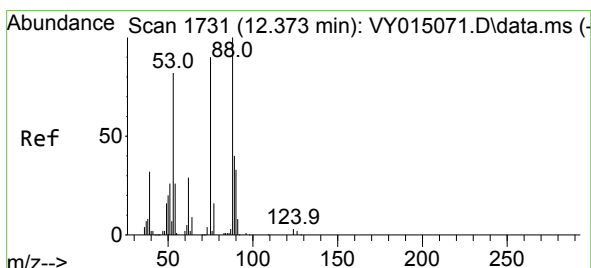
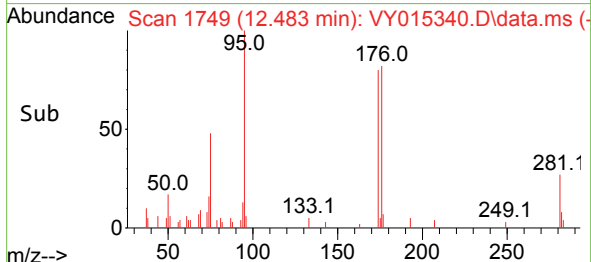
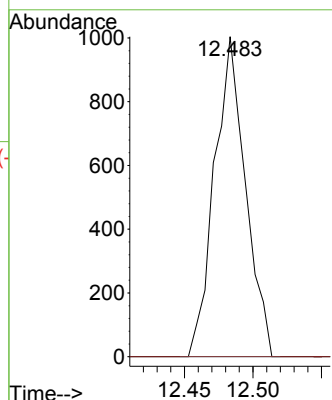
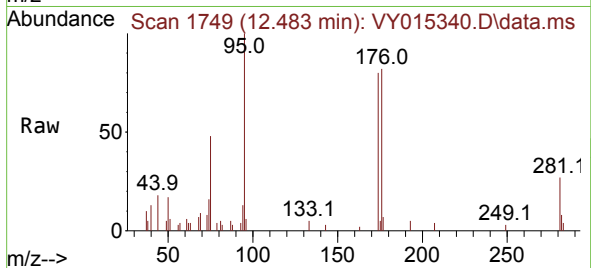
ClientSampleId :

Tgt Ion: 75 Resp: 1584

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 96.357 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015340.D

Acq: 25 Aug 2023 14:17

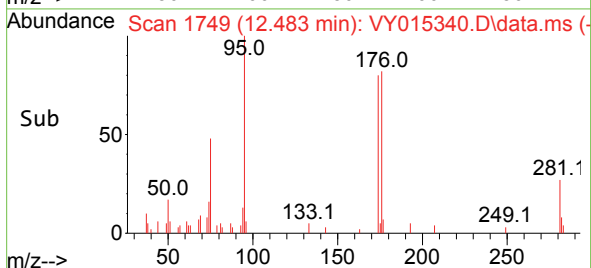
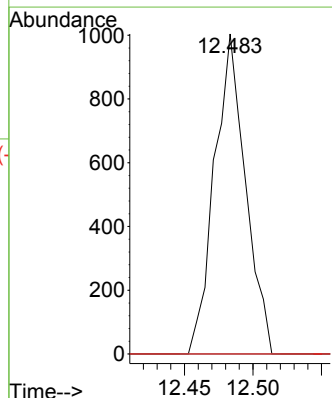
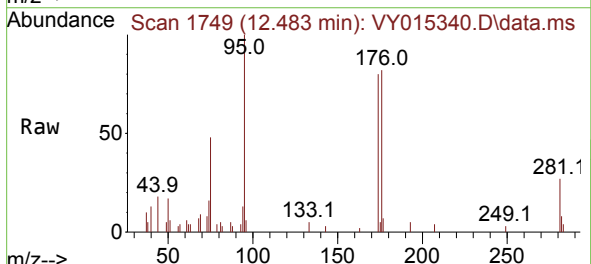
Tgt Ion: 75 Resp: 1584

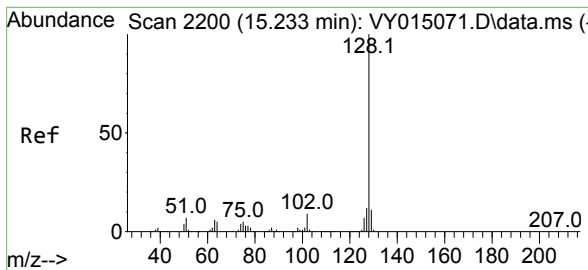
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

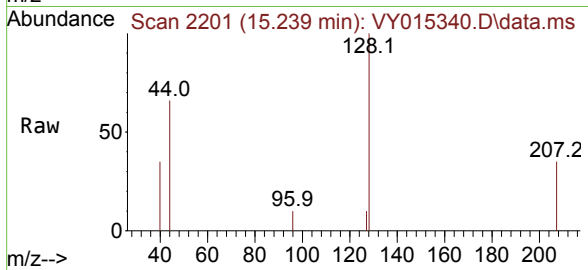
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 7.114 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY015340.D
Acq: 25 Aug 2023 14:17

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 982
Ion Ratio Lower Upper
128 100
127 5.0 10.8 16.2#
129 0.0 8.6 13.0#

