

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015033.D
 Acq On : 10 Aug 2023 17:26
 Operator : SY/MD
 Sample : 03954-10
 Misc : 4.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 11 01:57:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	241461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	408126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	403344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	205549	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	152513	52.113	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.220%	
35) Dibromofluoromethane	7.716	113	130766	50.104	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.200%	
50) Toluene-d8	10.179	98	484318	48.754	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.500%	
62) 4-Bromofluorobenzene	12.477	95	192480	54.671	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.340%	

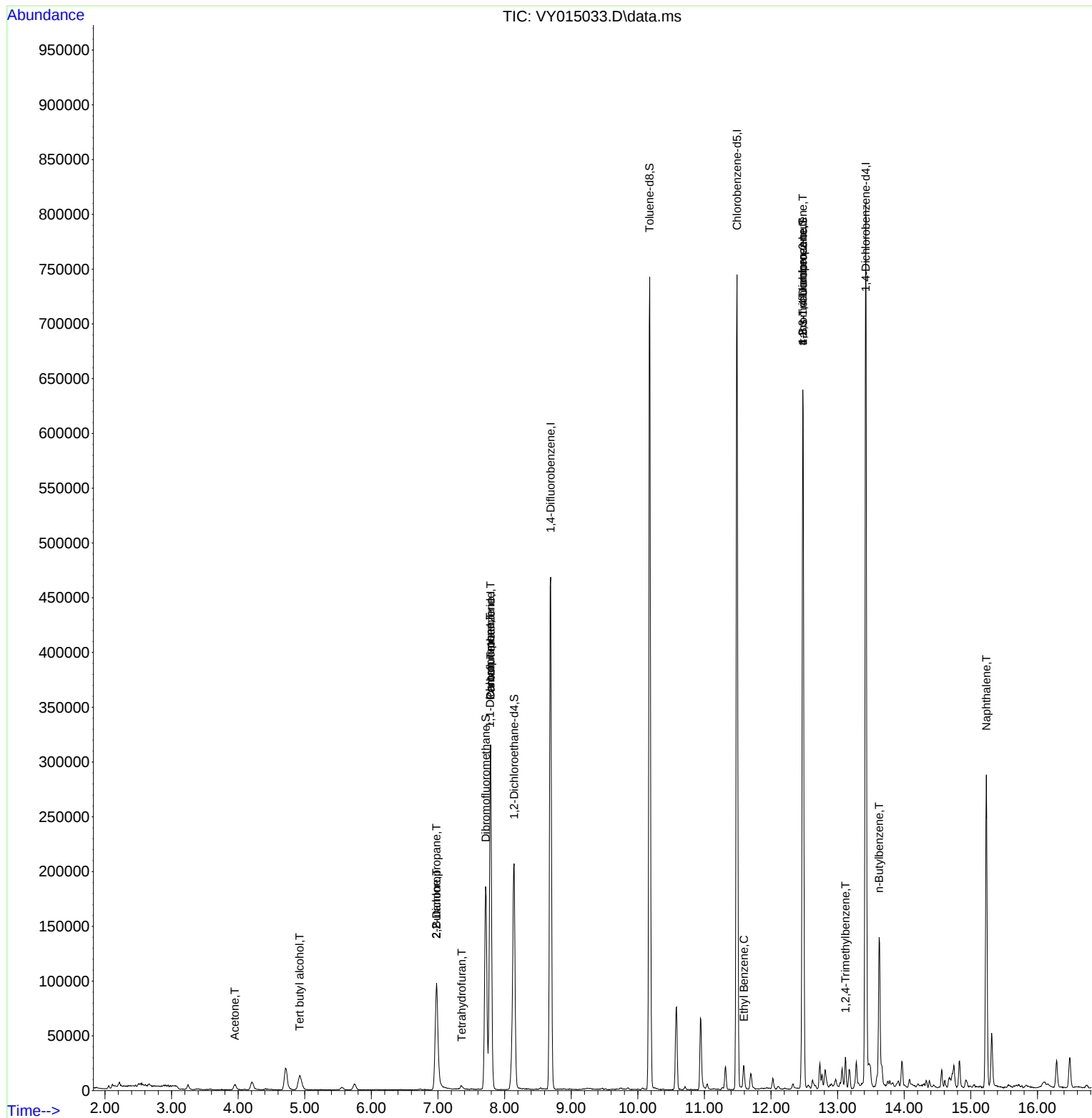
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.912	85	128	Below Cal	#	43
5) Bromomethane	2.662	94	902	Below Cal	#	46
11) Tert butyl alcohol	4.924	59	13964	19.770	ug/l #	90
16) Acetone	3.948	43	8267	9.059	ug/l	97
20) Methylene Chloride	4.710	84	15338	Below Cal	#	79
25) 2-Butanone	6.978	43	6105	4.671	ug/l	91
26) 2,2-Dichloropropane	6.978	77	7169	1.687	ug/l #	54
29) Tetrahydrofuran	7.356	42	2141	2.793	ug/l #	88
31) Cyclohexane	7.783	56	4971	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	18305	5.649	ug/l #	51
38) Carbon Tetrachloride	7.789	117	23349	6.410	ug/l #	17
67) Ethyl Benzene	11.593	91	14722	1.096	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	101050	41.028	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	101050	90.385	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	14789	1.296	ug/l	93
89) n-Butylbenzene	13.623	91	15114	1.271	ug/l #	43
95) Naphthalene	15.233	128	232942	25.553	ug/l	99

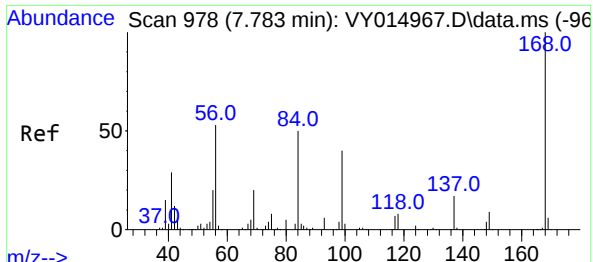
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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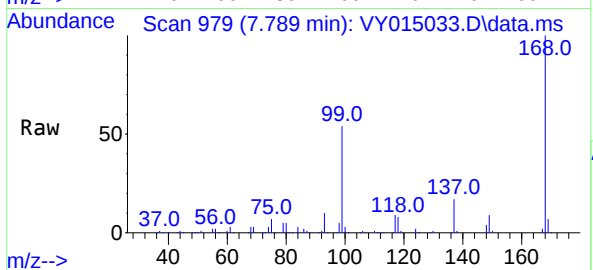
Quant Time: Aug 11 01:57:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 08 07:44:56 2023
Response via : Initial Calibration



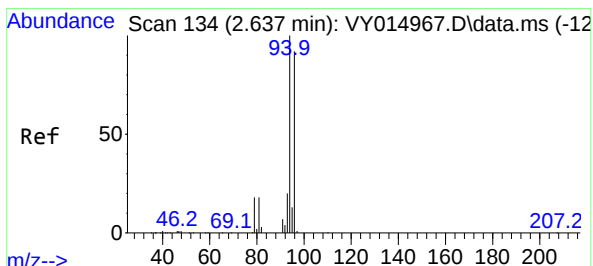
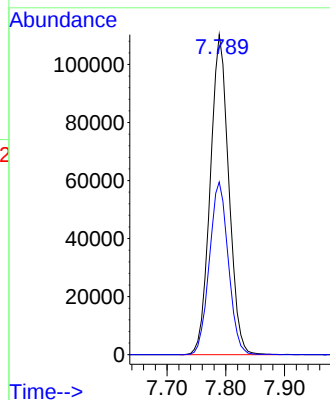
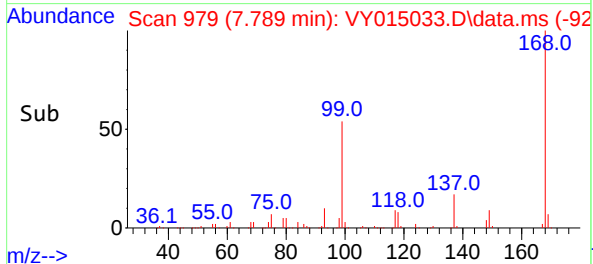


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :

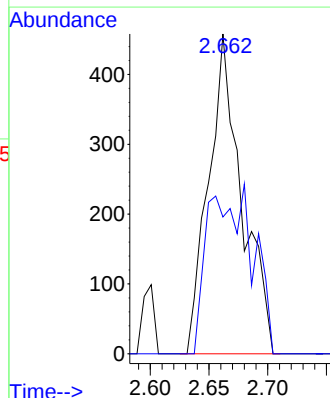
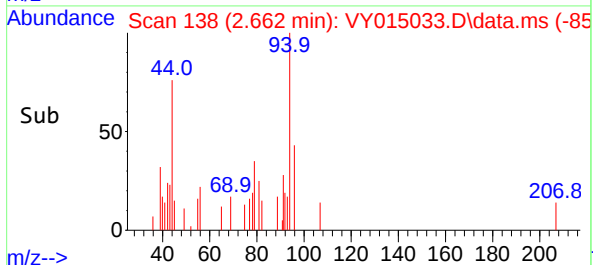
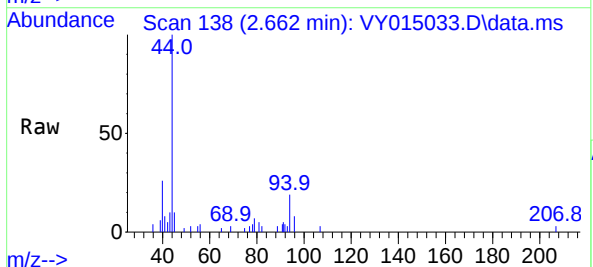


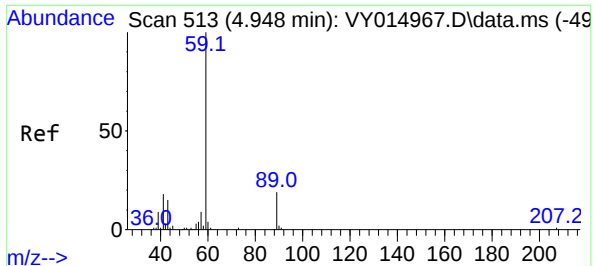
Tgt Ion:168 Resp: 241461
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

Tgt Ion: 94 Resp: 902
Ion Ratio Lower Upper
94 100
96 42.8 75.8 113.6#





#11

Tert butyl alcohol

Concen: 19.770 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.024 min

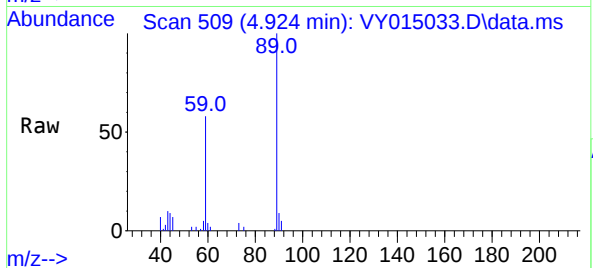
Lab File: VY015033.D

Acq: 10 Aug 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

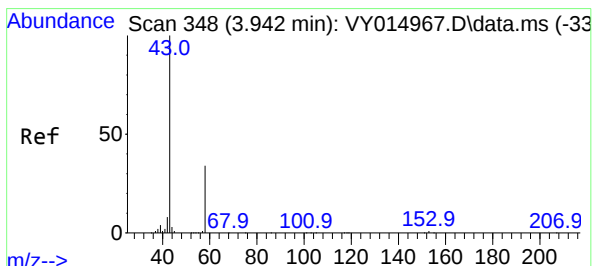
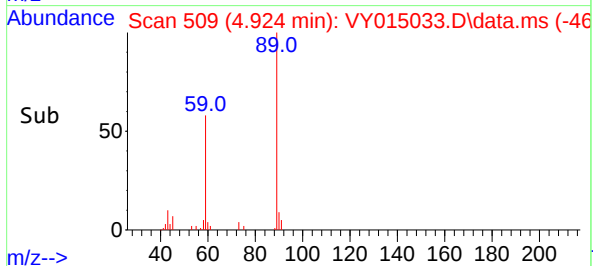
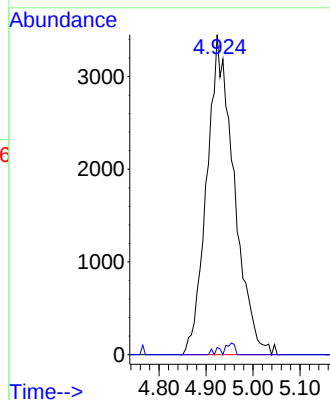


Tgt Ion: 59 Resp: 13964

Ion Ratio Lower Upper

59 100

57 0.5 3.0 4.4#



#16

Acetone

Concen: 9.059 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY015033.D

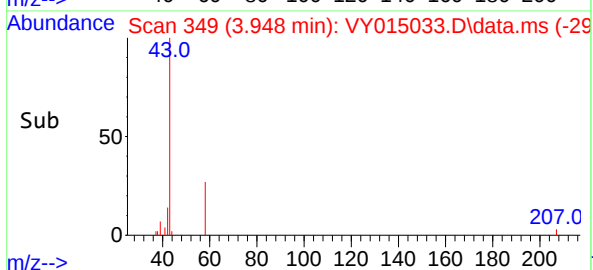
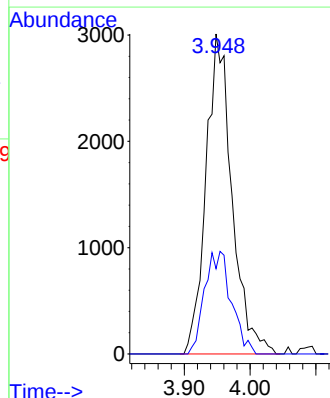
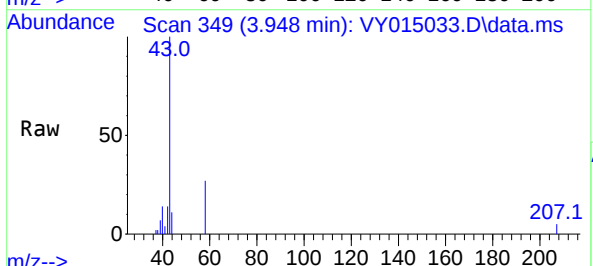
Acq: 10 Aug 2023 17:26

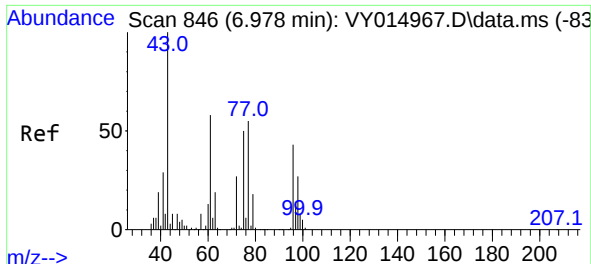
Tgt Ion: 43 Resp: 8267

Ion Ratio Lower Upper

43 100

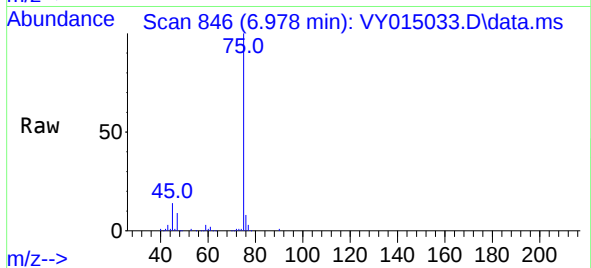
58 26.6 22.7 34.1



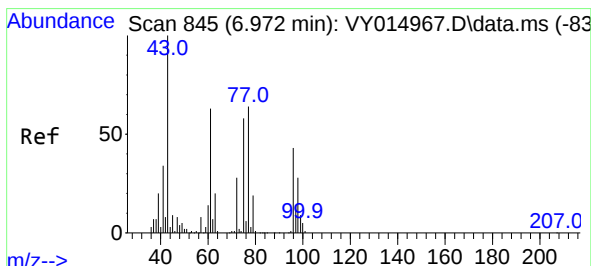
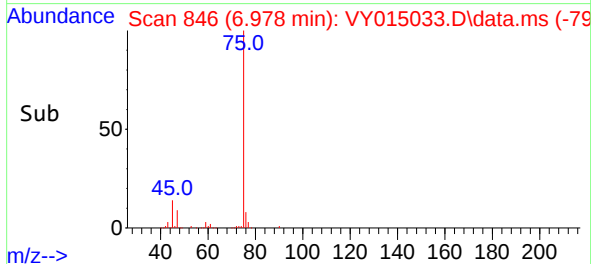
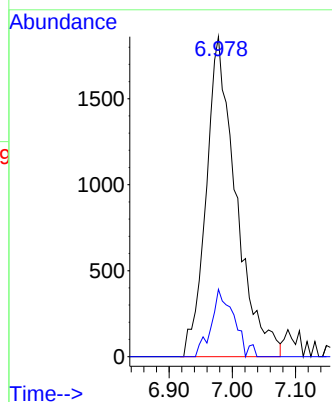


#25
2-Butanone
Concen: 4.671 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :

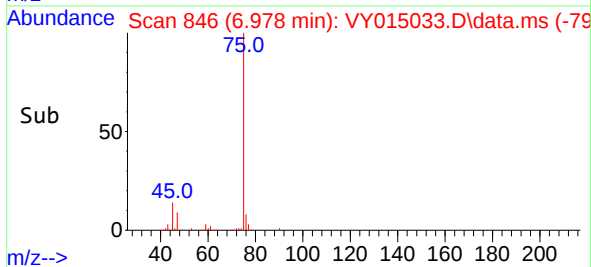
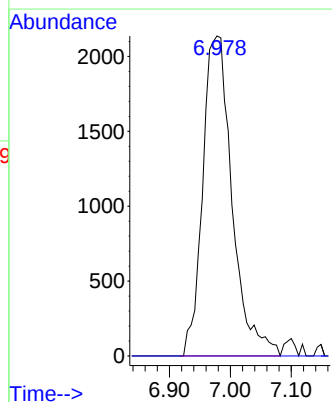
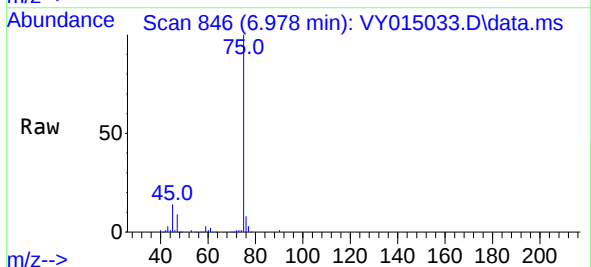


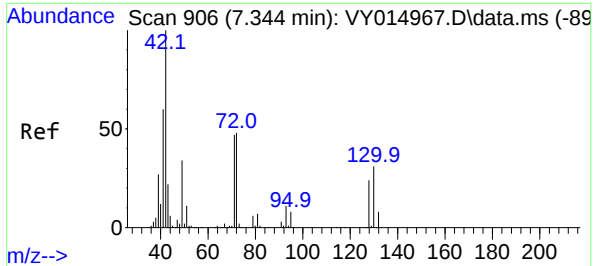
Tgt Ion: 43 Resp: 6105
Ion Ratio Lower Upper
43 100
72 21.1 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.687 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

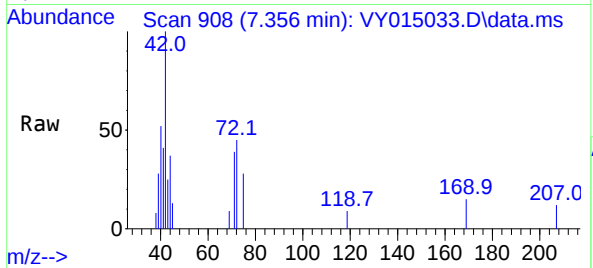
Tgt Ion: 77 Resp: 7169
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



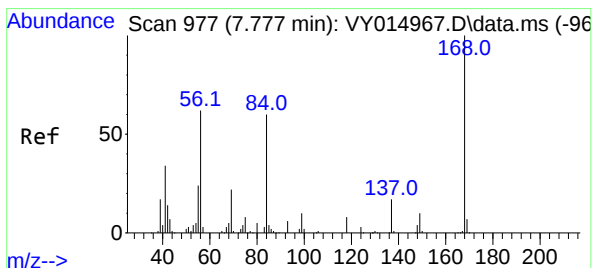
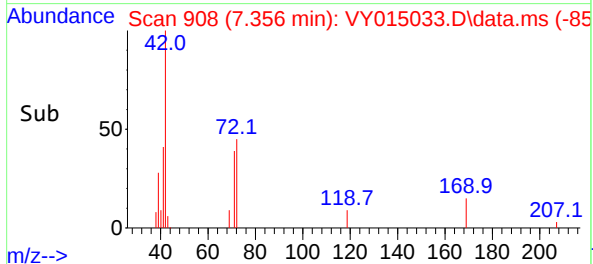
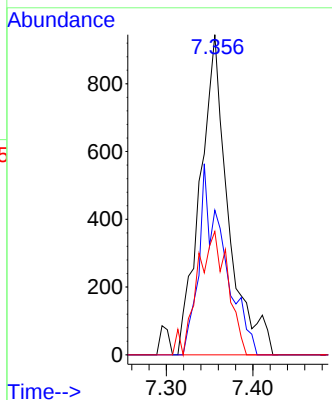


#29
Tetrahydrofuran
Concen: 2.793 ug/l
RT: 7.356 min Scan# 906
Delta R.T. 0.012 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :

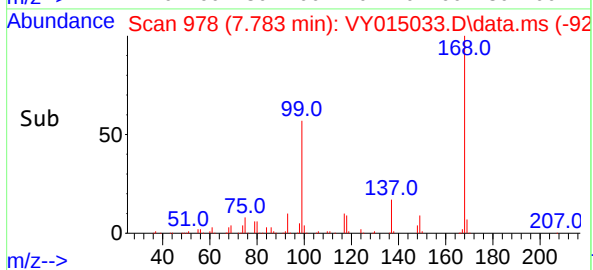
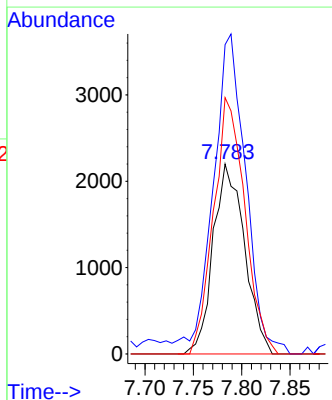
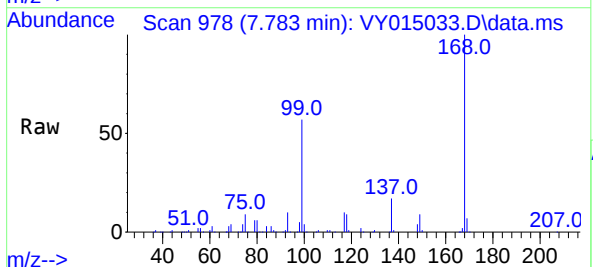


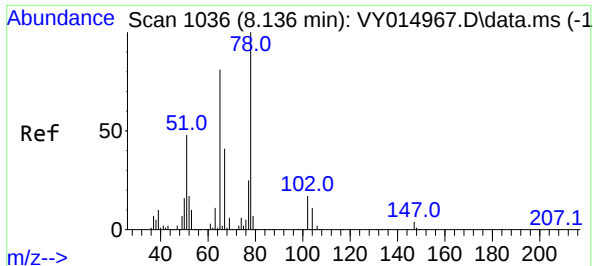
Tgt Ion: 42 Resp: 2141
Ion Ratio Lower Upper
42 100
72 52.4 32.8 49.2#
71 41.8 31.0 46.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

Tgt Ion: 56 Resp: 4971
Ion Ratio Lower Upper
56 100
69 157.1 27.8 41.6#
84 135.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.113 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015033.D

Acq: 10 Aug 2023 17:26

Instrument :

MSVOA_Y

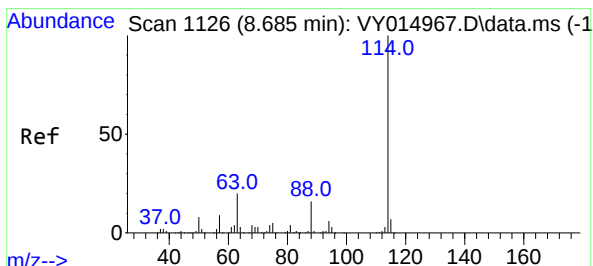
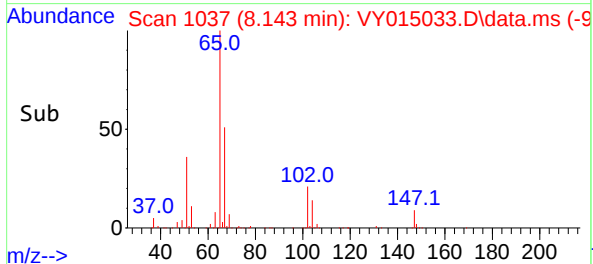
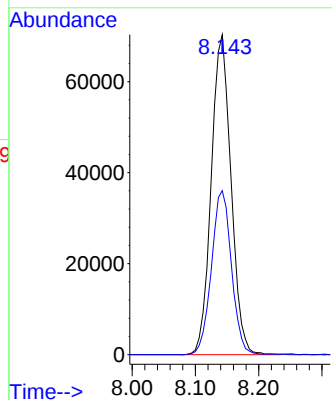
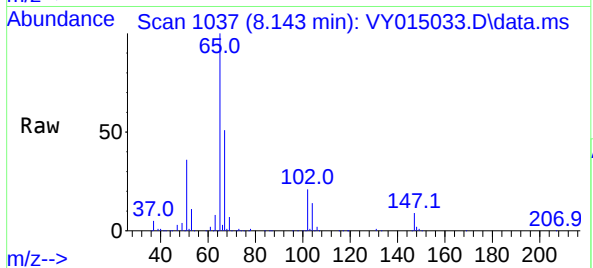
ClientSampleId :

Tgt Ion: 65 Resp: 152513

Ion Ratio Lower Upper

65 100

67 52.0 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: VY015033.D

Acq: 10 Aug 2023 17:26

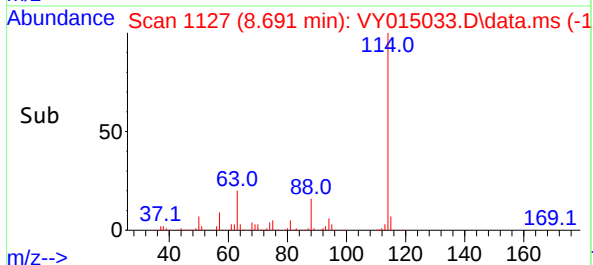
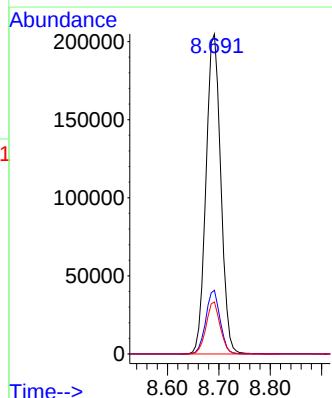
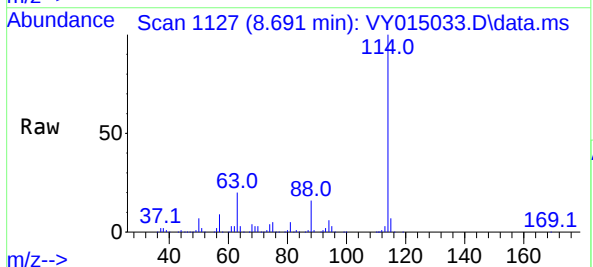
Tgt Ion: 114 Resp: 408126

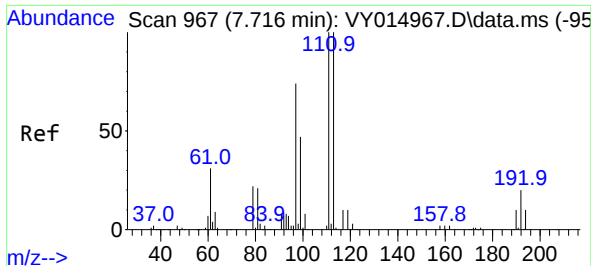
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

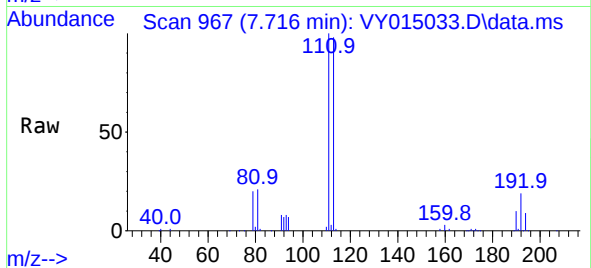
88 16.2 0.0 30.6



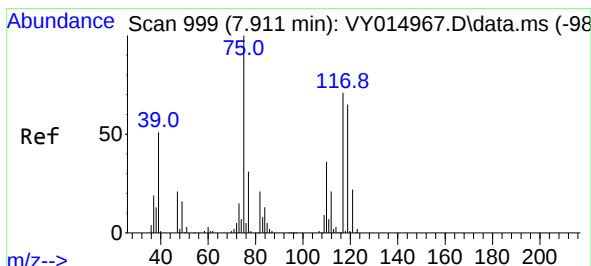
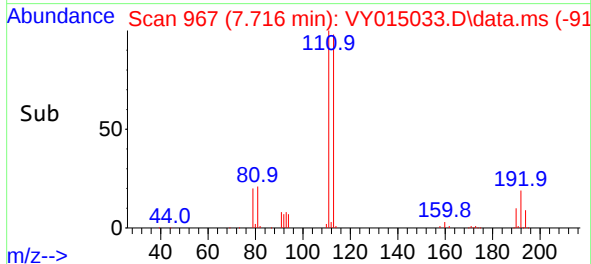
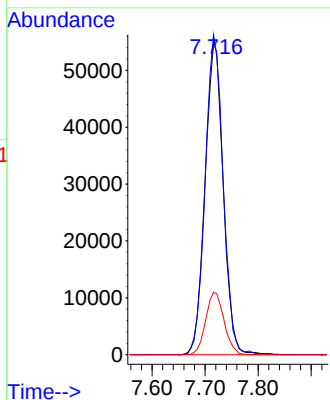


#35
Dibromofluoromethane
Concen: 50.104 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :

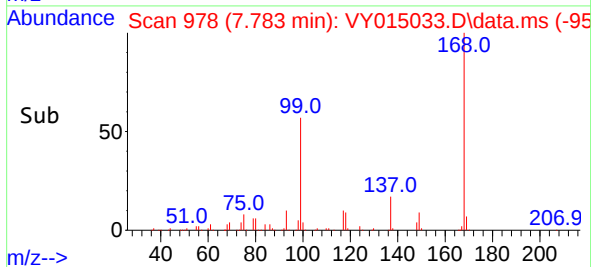
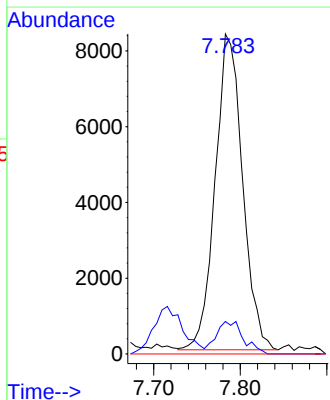
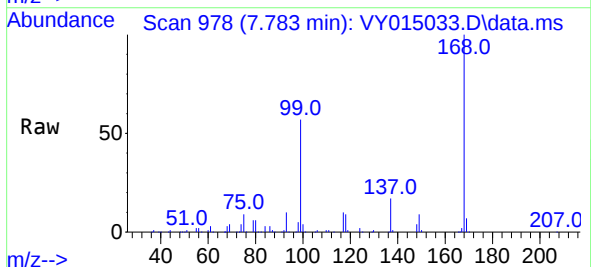


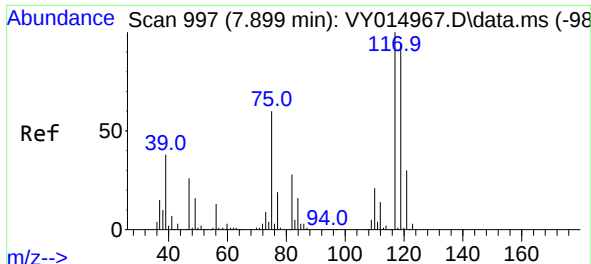
Tgt Ion:113 Resp: 130766
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 20.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.649 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

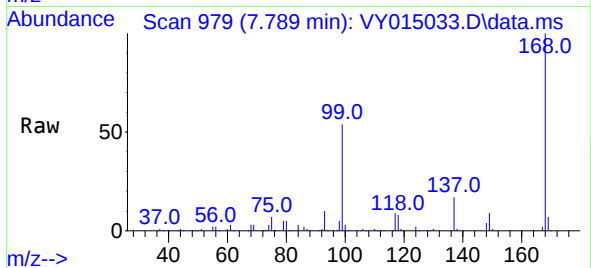
Tgt Ion: 75 Resp: 18305
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 24.4 36.6#



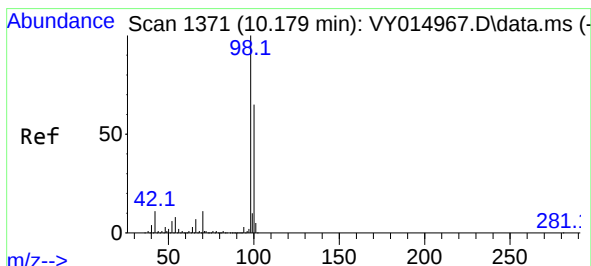
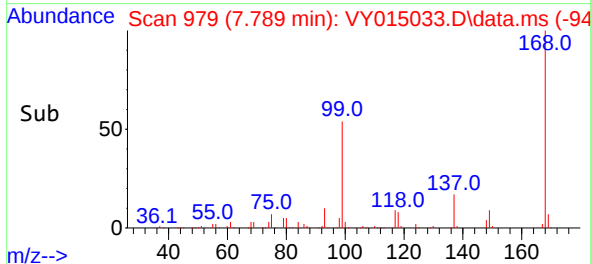
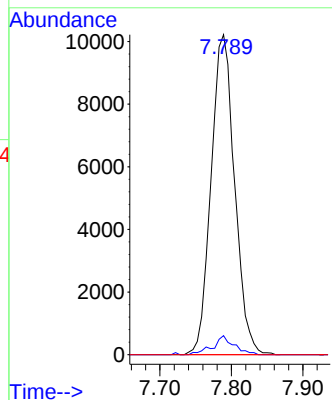


#38
Carbon Tetrachloride
Concen: 6.410 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :

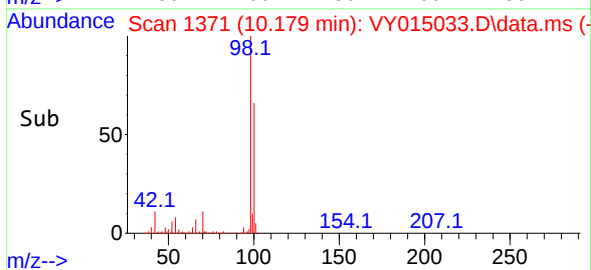
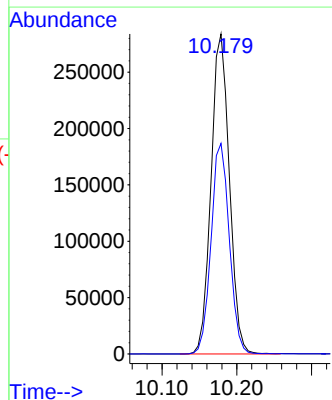
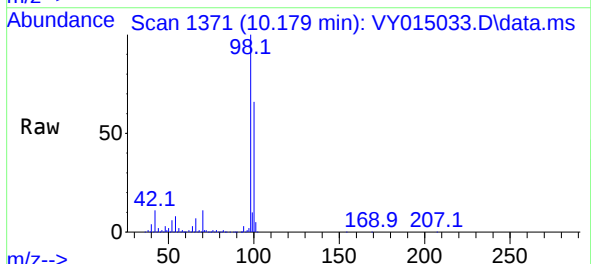


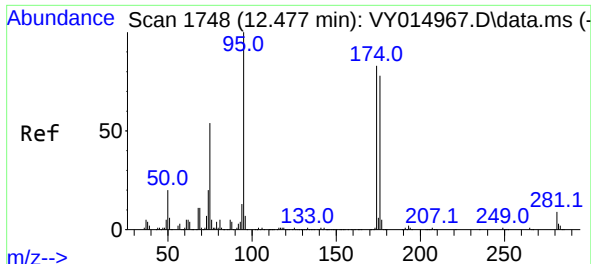
Tgt Ion:117 Resp: 23349
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.754 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

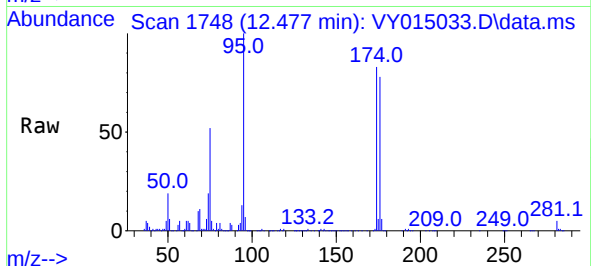
Tgt Ion: 98 Resp: 484318
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



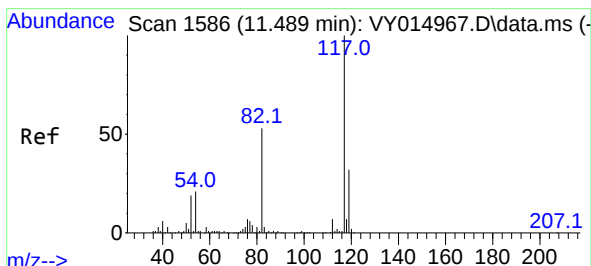
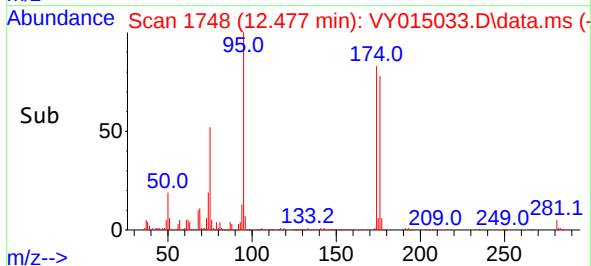
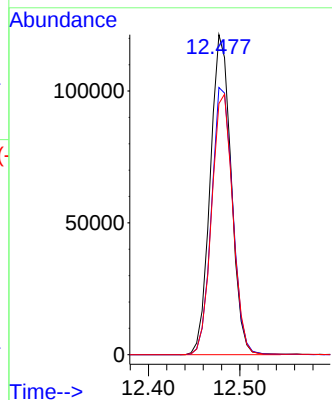


#62
4-Bromofluorobenzene
Concen: 54.671 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :

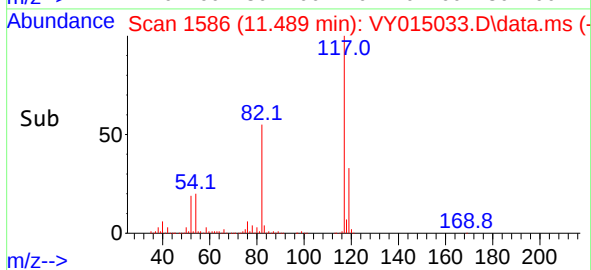
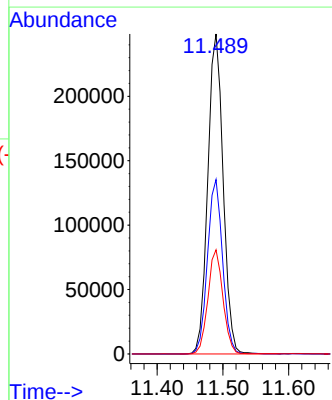
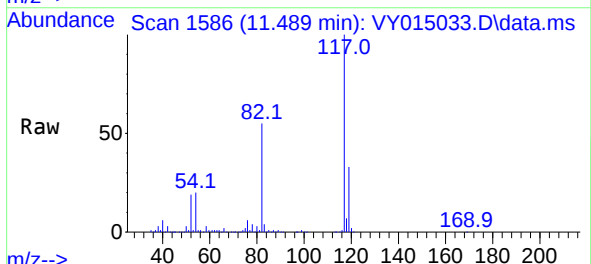


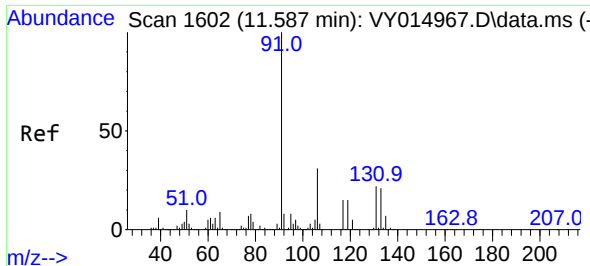
Tgt Ion: 95 Resp: 192480
Ion Ratio Lower Upper
95 100
174 84.8 0.0 178.2
176 82.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

Tgt Ion: 117 Resp: 403344
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.6 26.3 39.5

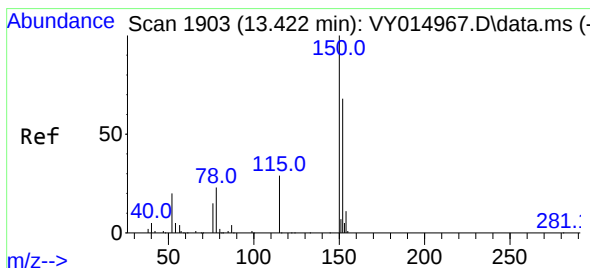
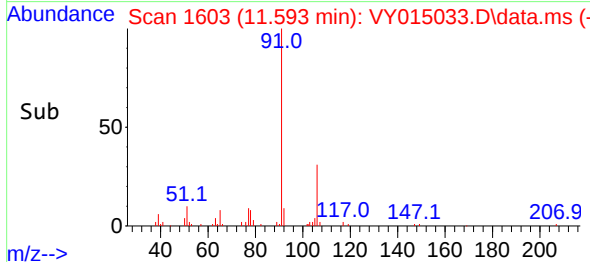
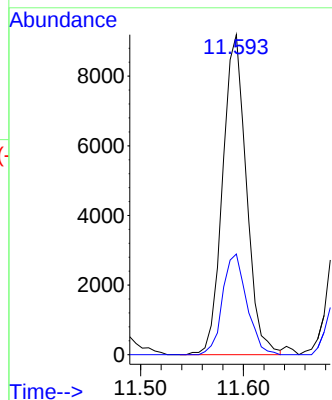
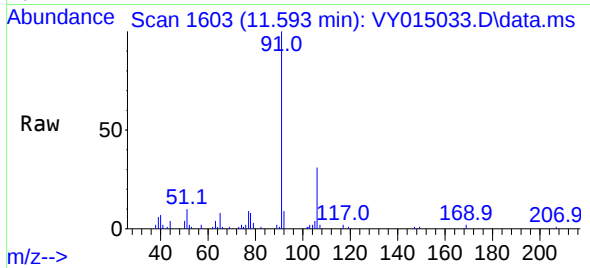




#67
Ethyl Benzene
Concen: 1.096 ug/l
RT: 11.593 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

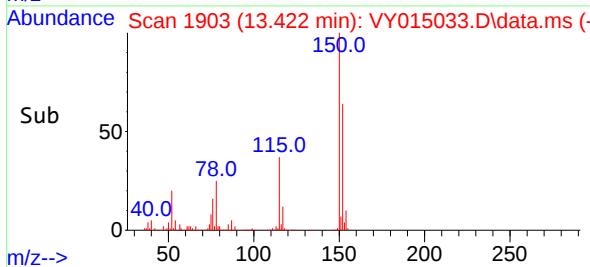
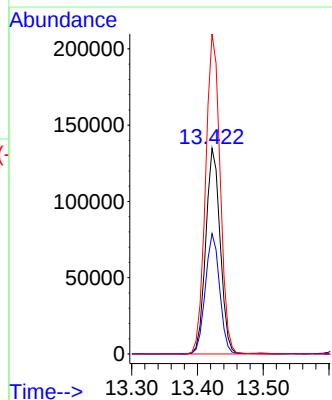
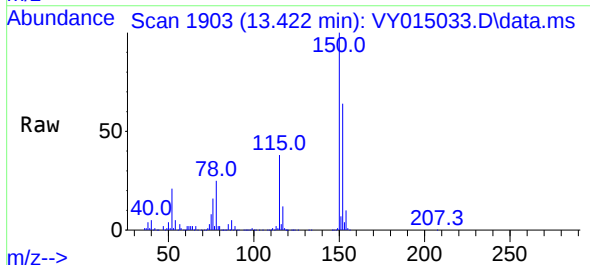
Instrument :
MSVOA_Y
ClientSampleId :

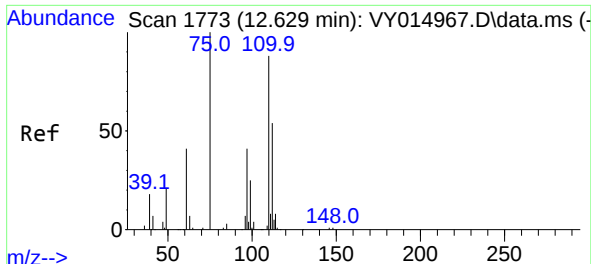
Tgt Ion: 91 Resp: 14722
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

Tgt Ion:152 Resp: 205549
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 157.4 0.0 348.8

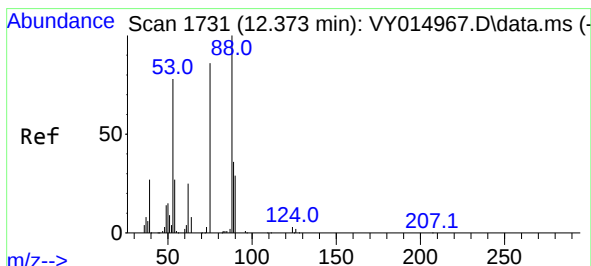
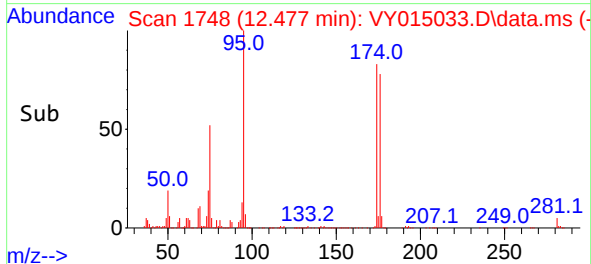
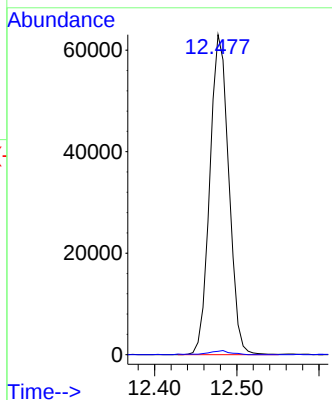
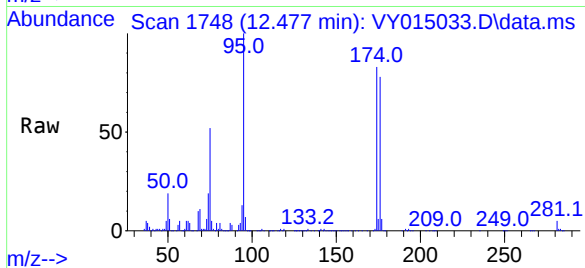




#76
1,2,3-Trichloropropane
Concen: 41.028 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

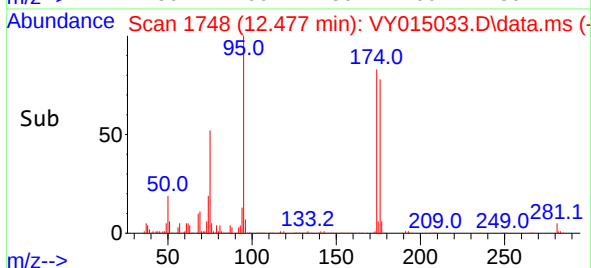
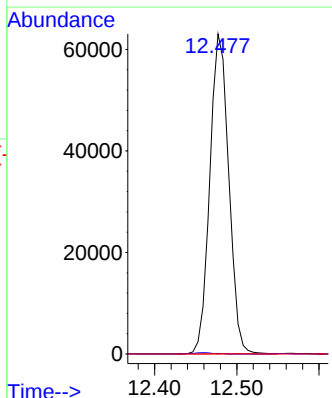
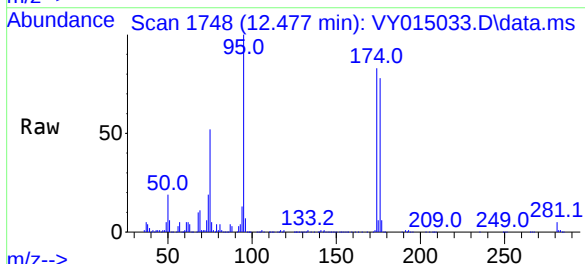
Instrument :
MSVOA_Y
ClientSampleId :

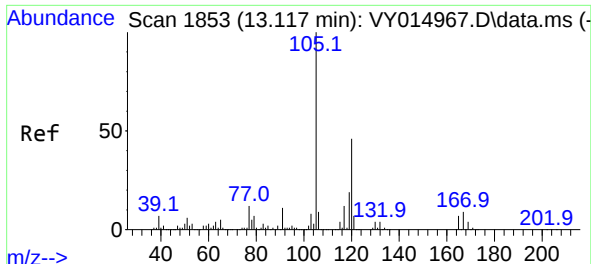
Tgt Ion: 75 Resp: 101050
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.385 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

Tgt Ion: 75 Resp: 101050
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.1 37.4 56.0#

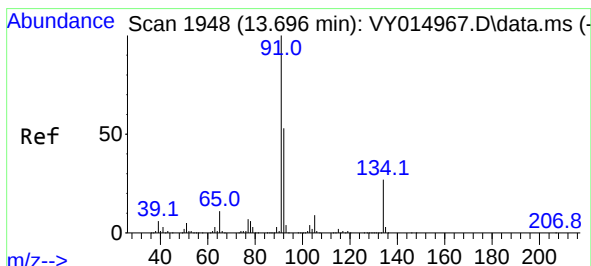
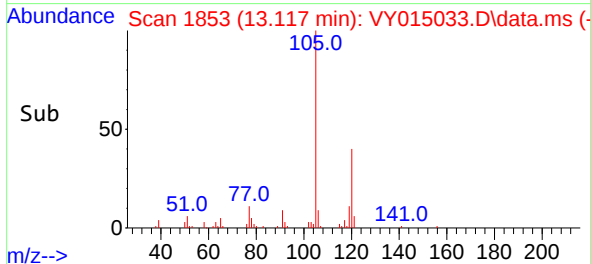
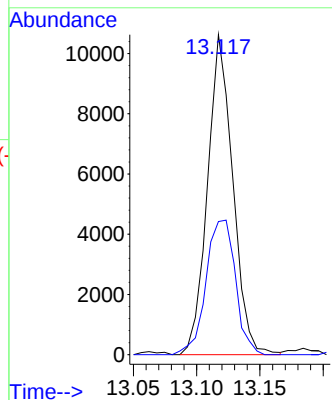
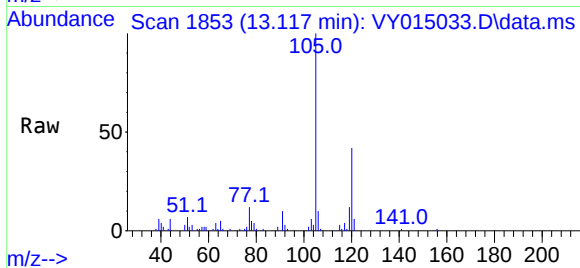




#84
1,2,4-Trimethylbenzene
Concen: 1.296 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

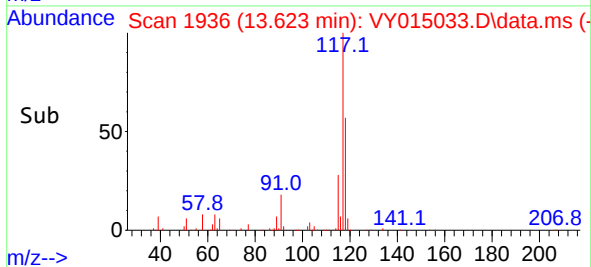
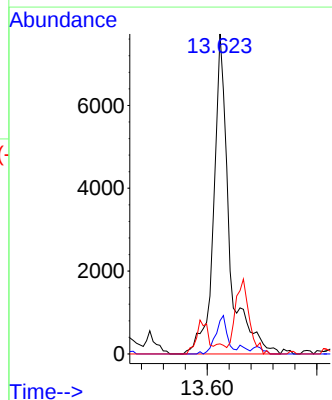
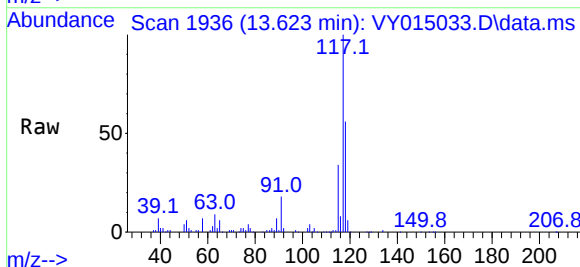
Instrument :
MSVOA_Y
ClientSampleId :

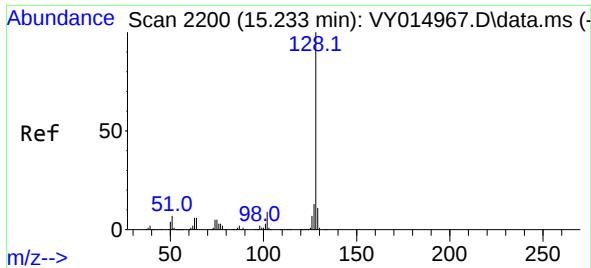
Tgt Ion:105 Resp: 14789
Ion Ratio Lower Upper
105 100
120 49.0 22.2 66.6



#89
n-Butylbenzene
Concen: 1.271 ug/l
RT: 13.623 min Scan# 1936
Delta R.T. -0.073 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

Tgt Ion: 91 Resp: 15114
Ion Ratio Lower Upper
91 100
92 9.1 25.4 76.0#
134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 25.553 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015033.D
Acq: 10 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 232942
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 10.7 8.6 13.0

