

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090623\
 Data File : VY015449.D
 Acq On : 06 Sep 2023 14:56
 Operator : SY/MD
 Sample : 04299-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02-9.5-10.0

Quant Time: Sep 06 16:28:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

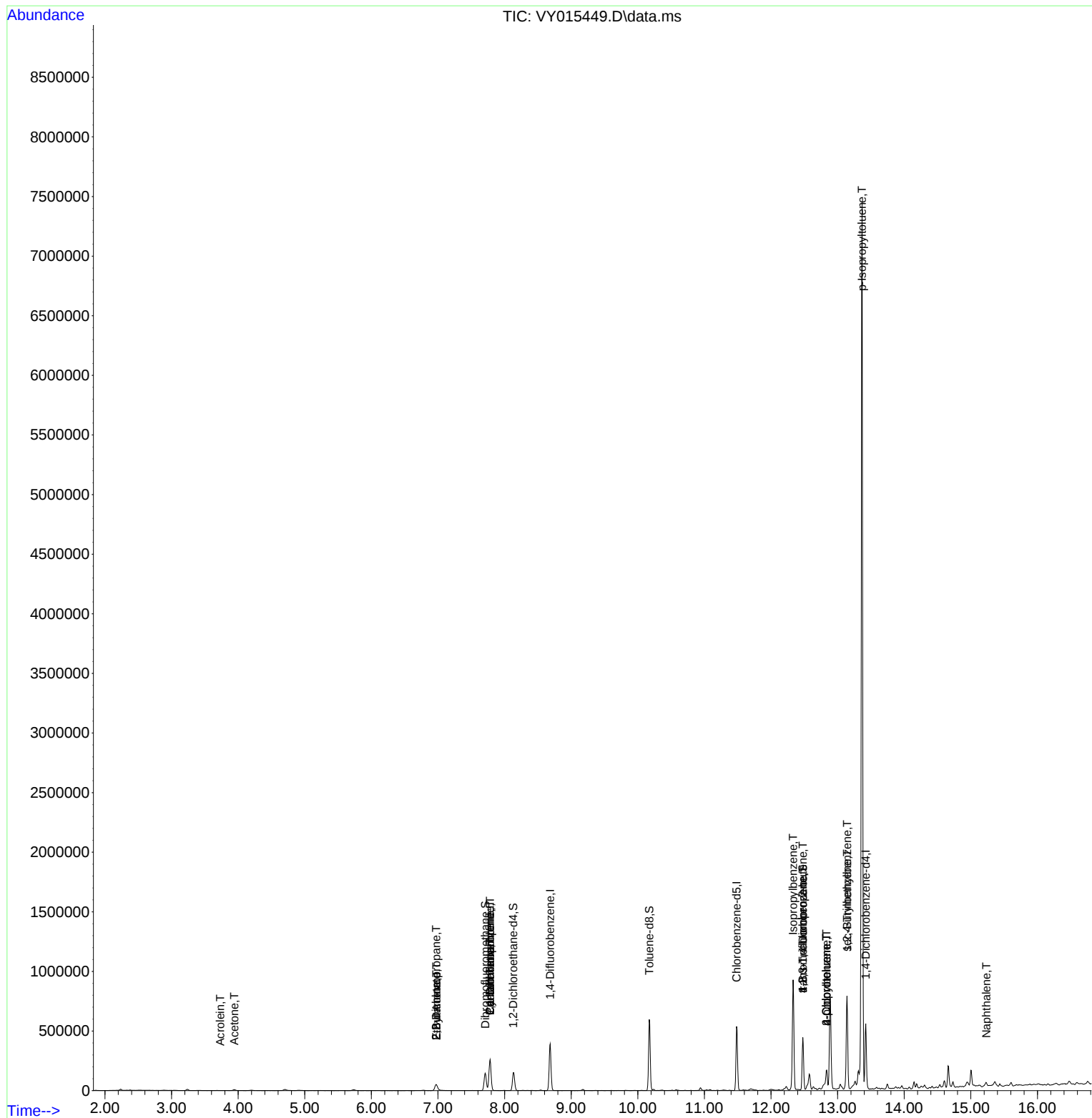
Internal Standards						
1) Pentafluorobenzene	7.783	168	198244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	331721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	291351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	135954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	118695	55.853	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.700%			
35) Dibromofluoromethane	7.710	113	103656	54.252	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.500%			
50) Toluene-d8	10.173	98	387638	56.024	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.040%			
62) 4-Bromofluorobenzene	12.477	95	126792	49.362	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.720%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.930	59	2834	Below Cal	#	89
13) Acrolein	3.729	56	289	12.112	ug/l #	14
16) Acetone	3.942	43	14301	16.122	ug/l	97
20) Methylene Chloride	4.698	84	6921	Below Cal	#	86
25) 2-Butanone	6.978	43	5106	4.059	ug/l #	81
26) 2,2-Dichloropropane	6.972	77	3895	1.156	ug/l #	54
31) Cyclohexane	7.783	56	5656	1.498	ug/l #	23
36) 1,1-Dichloropropene	7.783	75	15305	4.562	ug/l #	50
37) Ethyl Acetate	6.978	43	5106	1.973	ug/l #	33
38) Carbon Tetrachloride	7.783	117	20250	5.844	ug/l #	16
73) Isopropylbenzene	12.331	105	38258	3.746	ug/l #	61
76) 1,2,3-Trichloropropane	12.477	75	68034	37.736	ug/l #	100
78) n-propylbenzene	12.831	91	32745	2.650	ug/l	86
79) 2-Chlorotoluene	12.831	91	32742	4.724	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.477	75	68034	83.242	ug/l #	10
82) 4-Chlorotoluene	12.831	91	32742	4.546	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.142	105	42279	4.985	ug/l #	32
85) sec-Butylbenzene	13.142	105	42279	3.789	ug/l #	56
86) p-Isopropyltoluene	13.367	119	3913662	418.467	ug/l	99
95) Naphthalene	15.233	128	27111	3.999	ug/l #	97

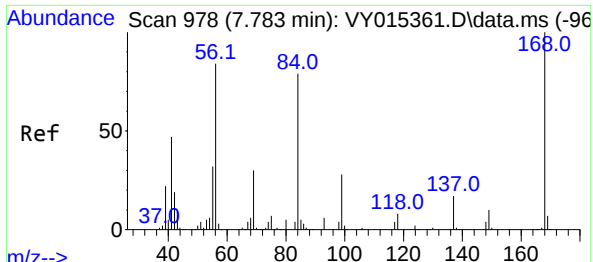
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-02-9.5-10.0

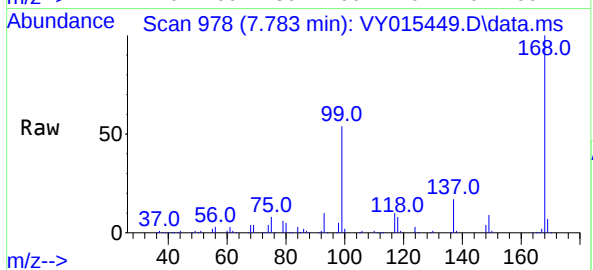
Quant Time: Sep 06 16:28:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
Response via : Initial Calibration



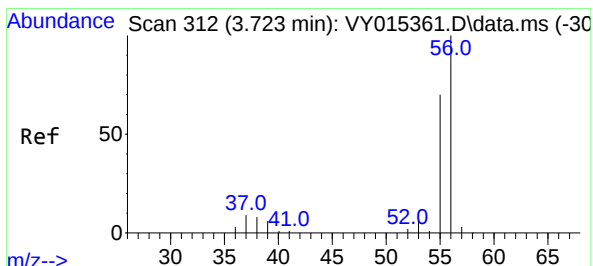
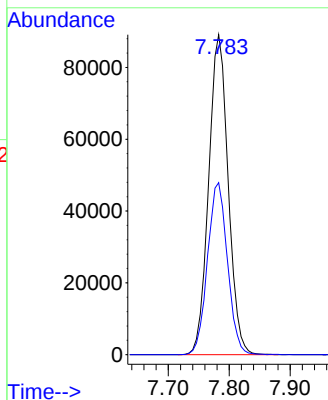
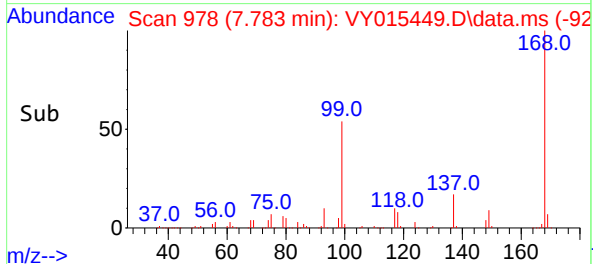


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

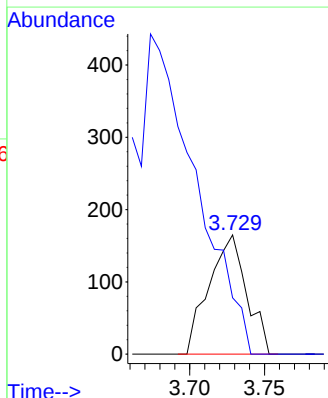
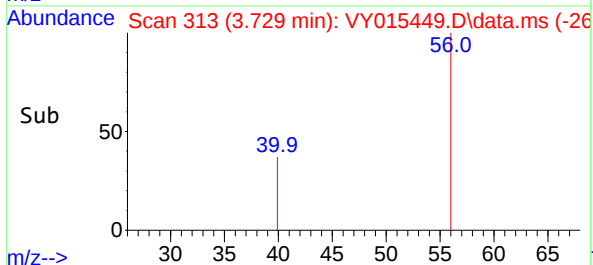
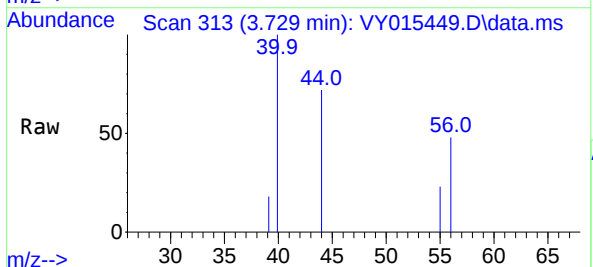


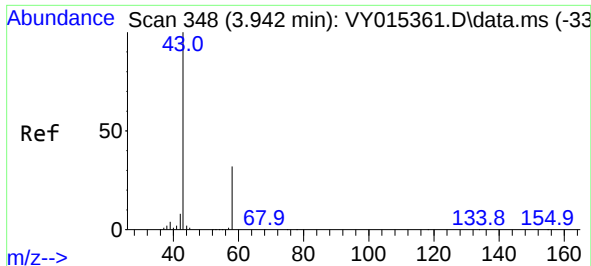
Tgt Ion:168 Resp: 198244
Ion Ratio Lower Upper
168 100
99 53.7 43.4 65.0



#13
Acrolein
Concen: 12.112 ug/l
RT: 3.729 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

Tgt Ion: 56 Resp: 289
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

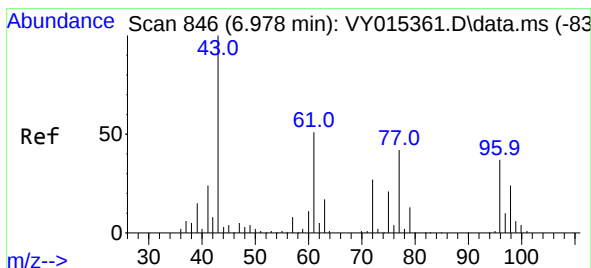
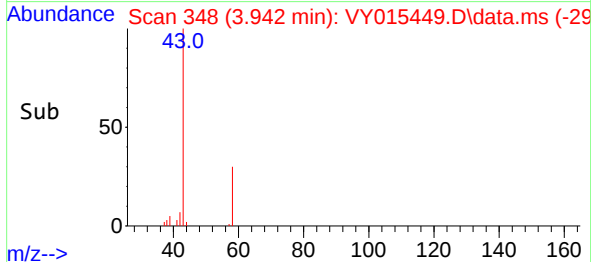
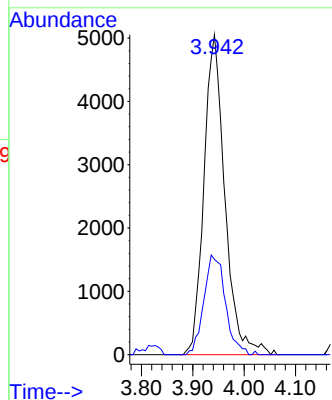
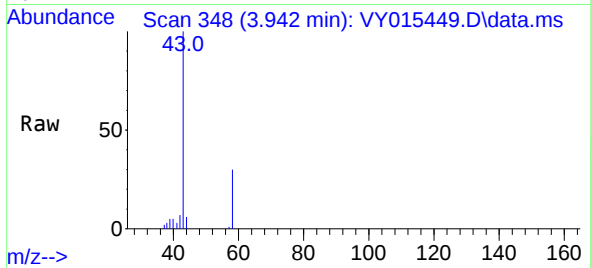




#16
Acetone
Concen: 16.122 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

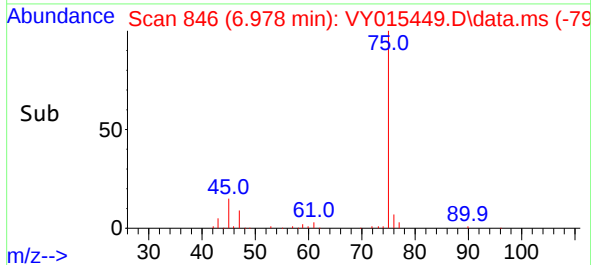
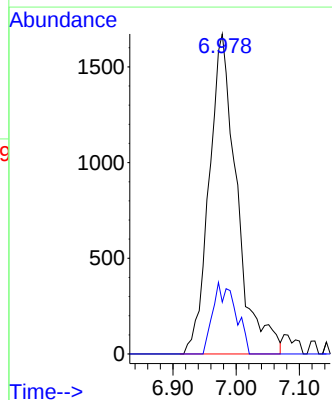
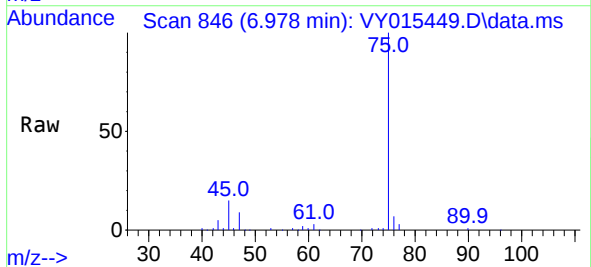
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

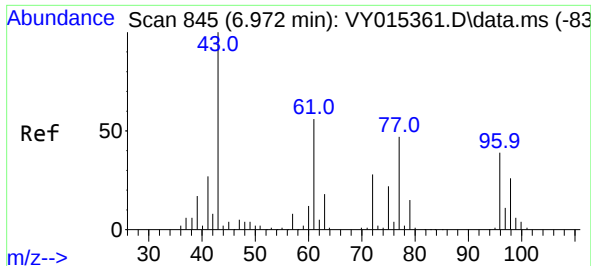
Tgt Ion: 43 Resp: 14301
Ion Ratio Lower Upper
43 100
58 29.7 22.7 34.1



#25
2-Butanone
Concen: 4.059 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

Tgt Ion: 43 Resp: 5106
Ion Ratio Lower Upper
43 100
72 16.2 20.5 30.7#

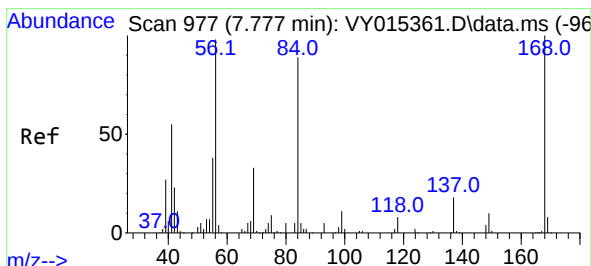
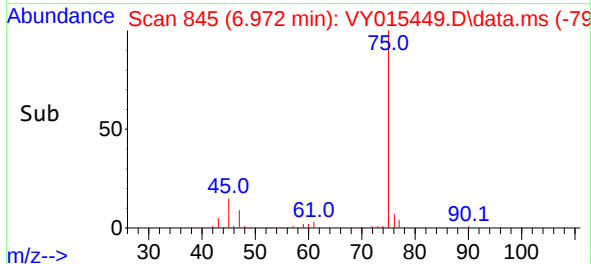
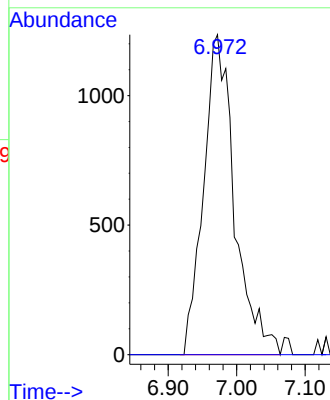
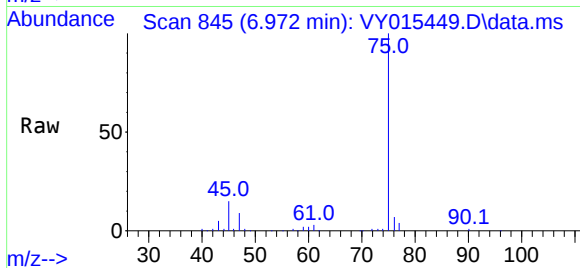




#26
2,2-Dichloropropane
Concen: 1.156 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.000 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

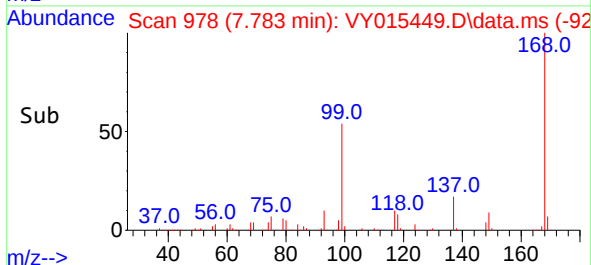
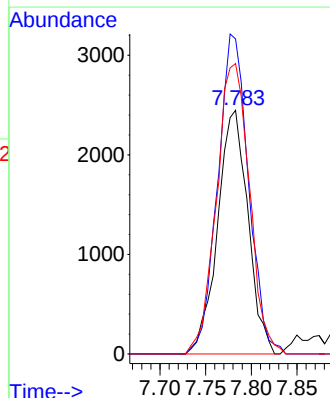
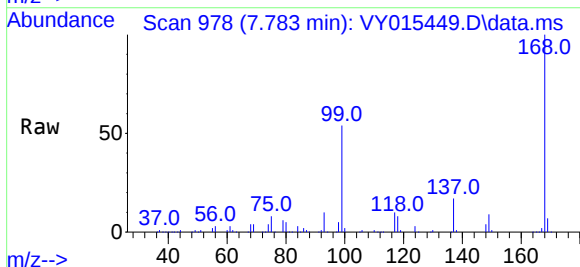
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

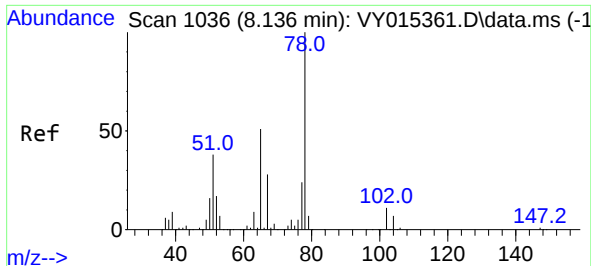
Tgt Ion: 77 Resp: 3895
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.498 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

Tgt Ion: 56 Resp: 5656
Ion Ratio Lower Upper
56 100
69 129.3 27.8 41.6#
84 119.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.853 ug/l

RT: 8.130 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY015449.D

Acq: 06 Sep 2023 14:56

Instrument :

MSVOA_Y

ClientSampleId :

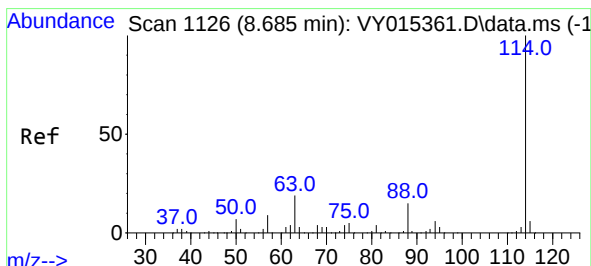
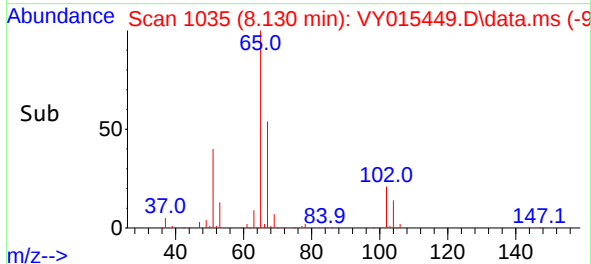
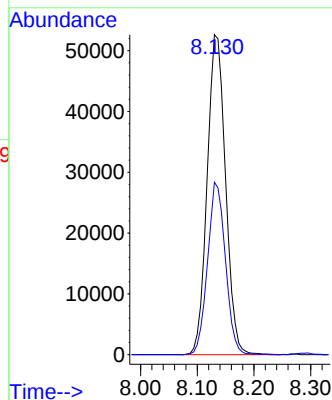
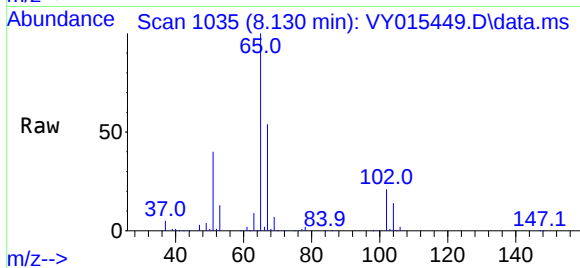
SB-02-9.5-10.0

Tgt Ion: 65 Resp: 118695

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015449.D

Acq: 06 Sep 2023 14:56

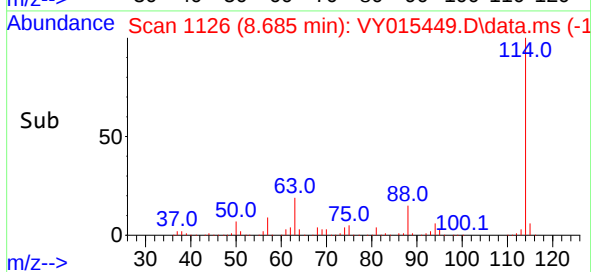
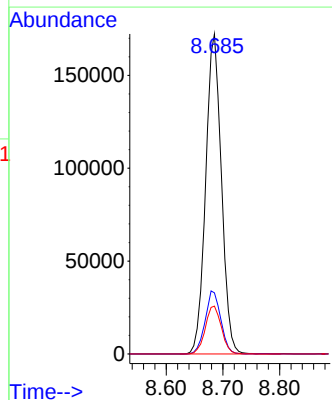
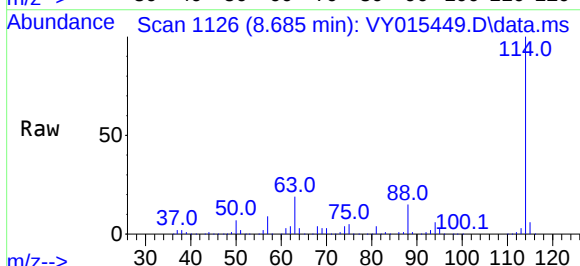
Tgt Ion: 114 Resp: 331721

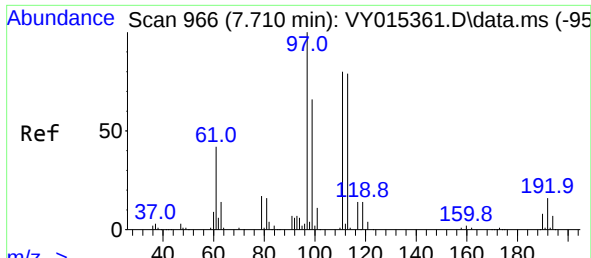
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 14.9 0.0 30.6

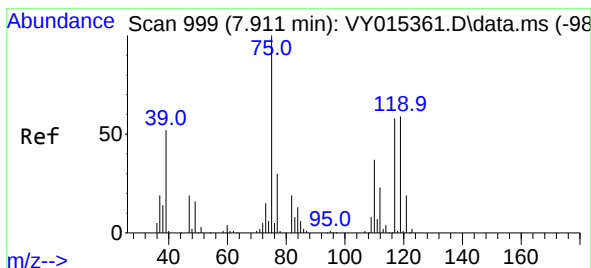
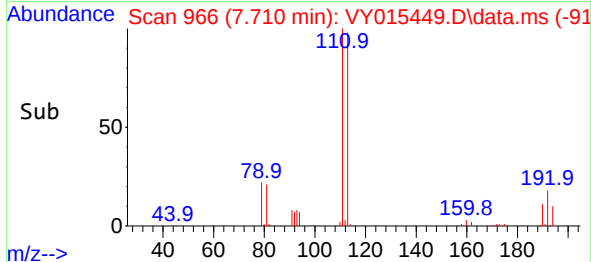
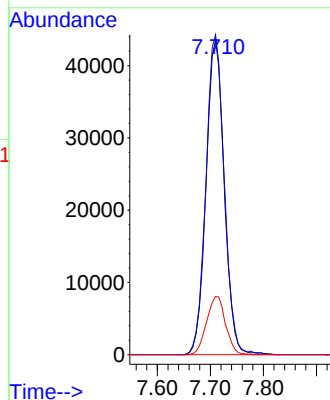
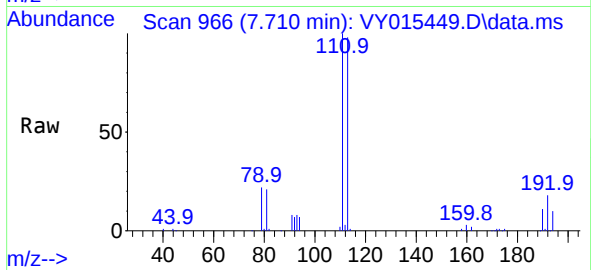




#35
Dibromofluoromethane
Concen: 54.252 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

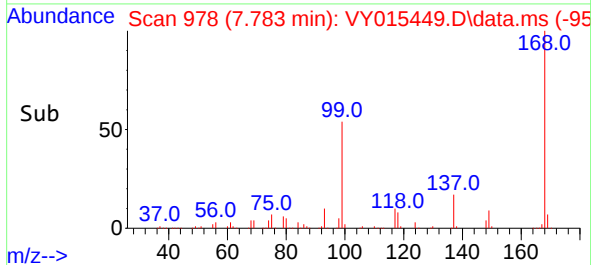
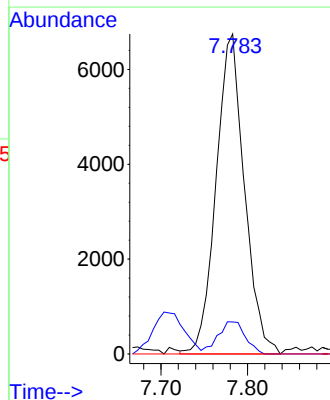
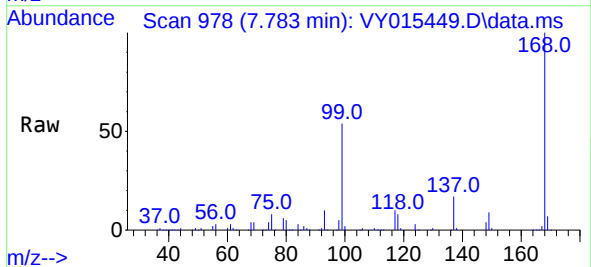
Instrument :
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ClientSampleId :
SB-02-9.5-10.0

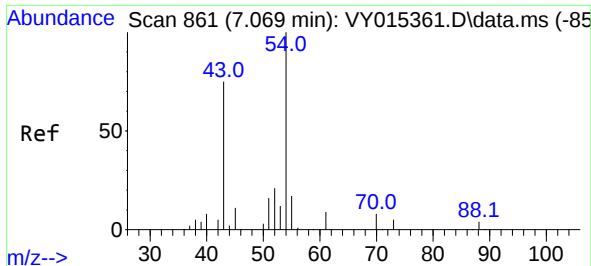
Tgt Ion:113 Resp: 103656
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.562 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

Tgt Ion: 75 Resp: 15305
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.973 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY015449.D

Acq: 06 Sep 2023 14:56

Instrument :

MSVOA_Y

ClientSampleId :

SB-02-9.5-10.0

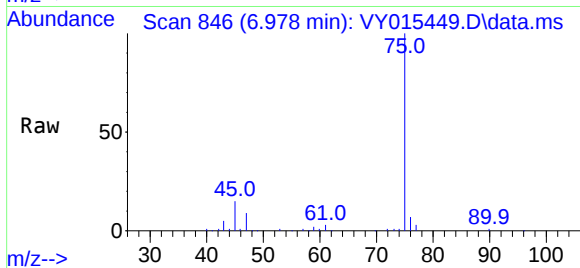
Tgt Ion: 43 Resp: 5106

Ion Ratio Lower Upper

43 100

61 51.4 10.1 15.1#

70 1.3 7.1 10.7#



Abundance

6.978

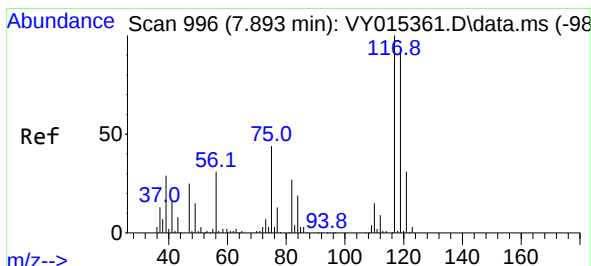
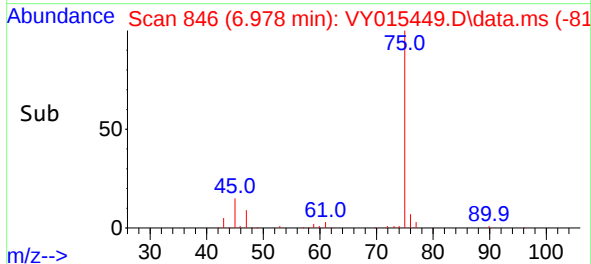
1500

1000

500

0

Time-->



#38

Carbon Tetrachloride

Concen: 5.844 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY015449.D

Acq: 06 Sep 2023 14:56

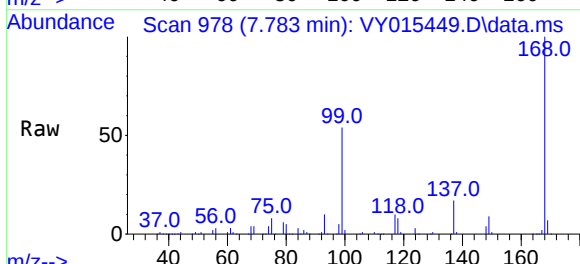
Tgt Ion: 117 Resp: 20250

Ion Ratio Lower Upper

117 100

119 5.0 76.4 114.6#

121 0.0 25.8 38.6#



Abundance

7.783

8000

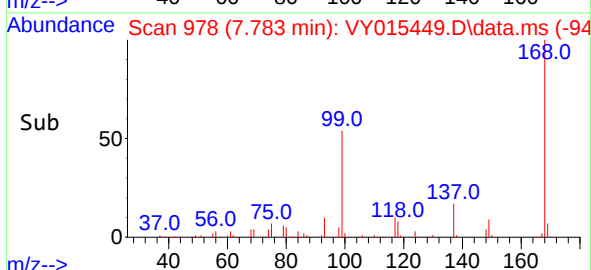
6000

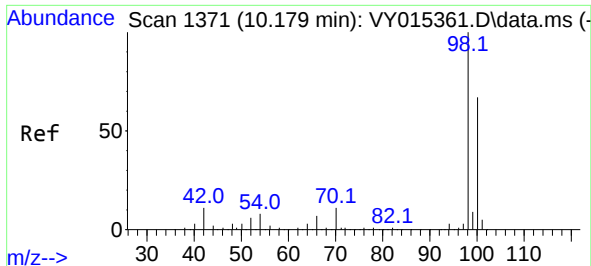
4000

2000

0

Time-->

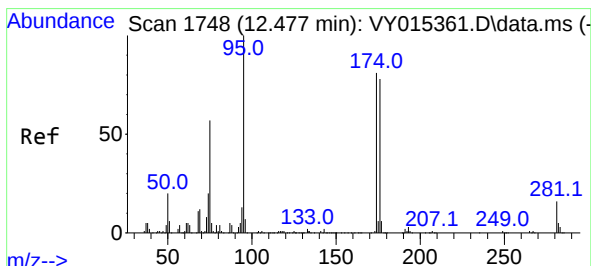
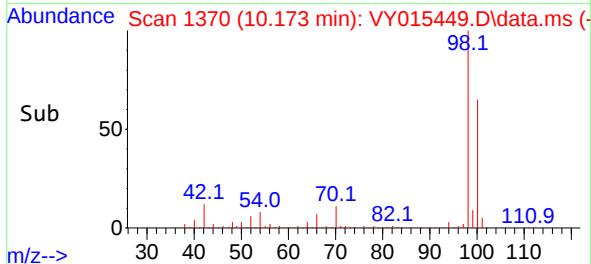
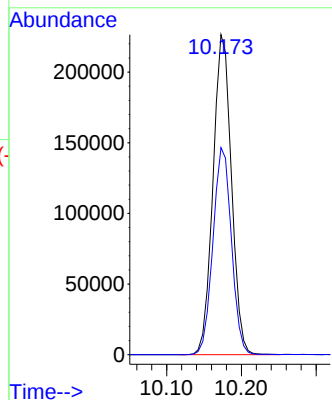
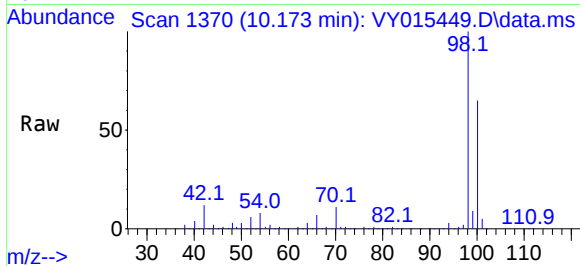




#50
Toluene-d8
Concen: 56.024 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

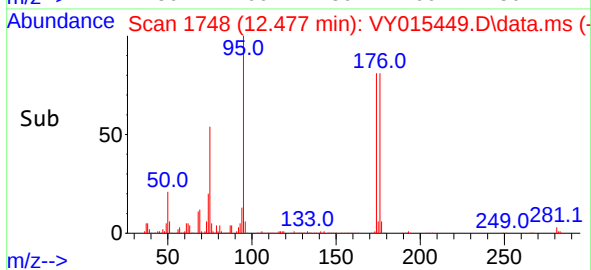
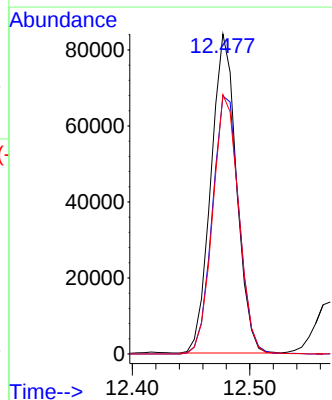
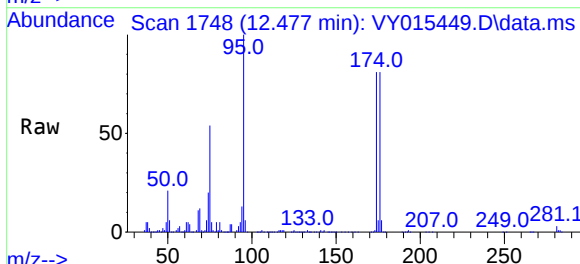
Instrument :
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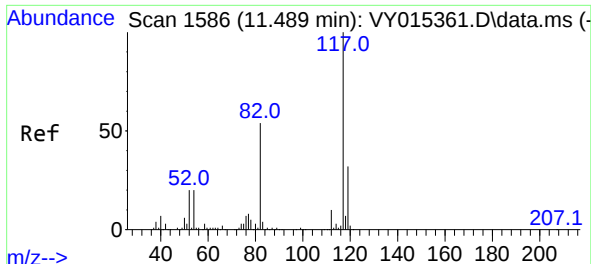
Tgt Ion: 98 Resp: 387638
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.362 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

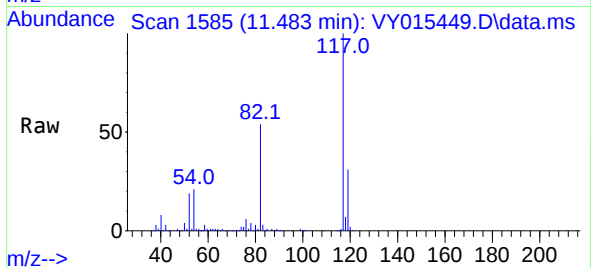
Tgt Ion: 95 Resp: 126792
Ion Ratio Lower Upper
95 100
174 84.3 0.0 178.2
176 82.8 0.0 173.8



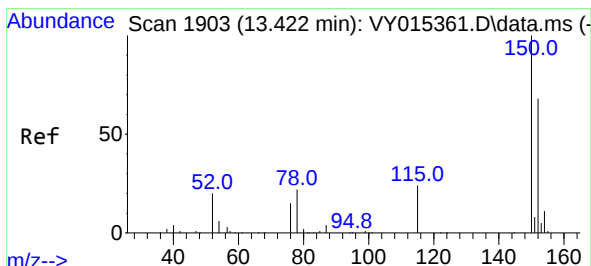
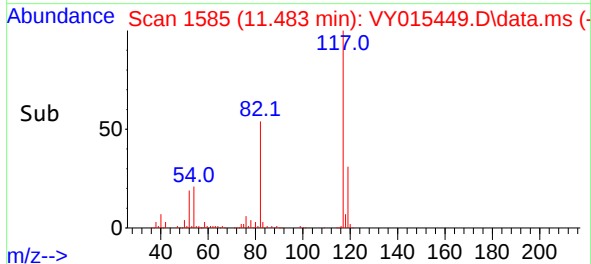
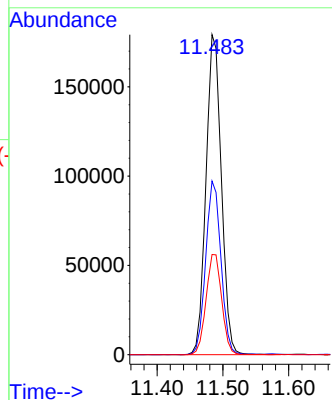


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

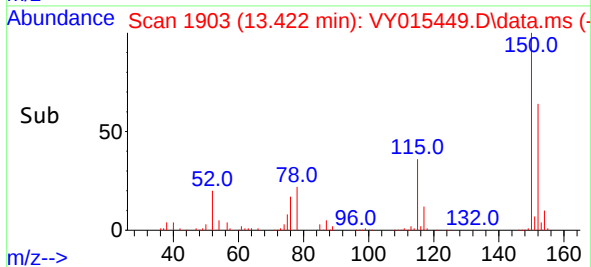
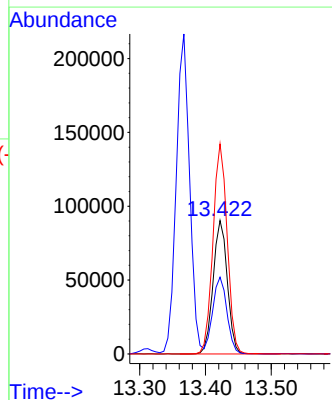
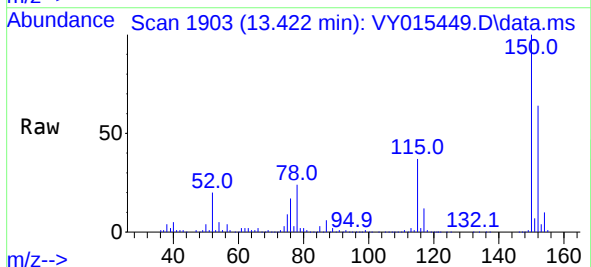


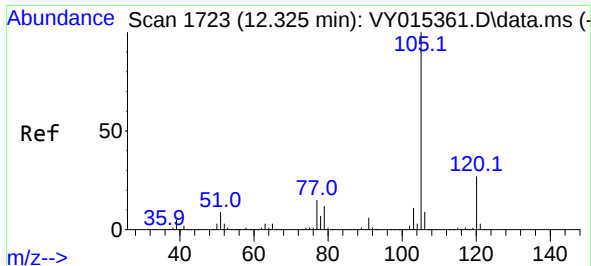
Tgt Ion:117 Resp: 291351
Ion Ratio Lower Upper
117 100
82 54.2 43.4 65.0
119 31.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

Tgt Ion:152 Resp: 135954
Ion Ratio Lower Upper
152 100
115 57.5 28.8 86.5
150 157.5 0.0 348.8

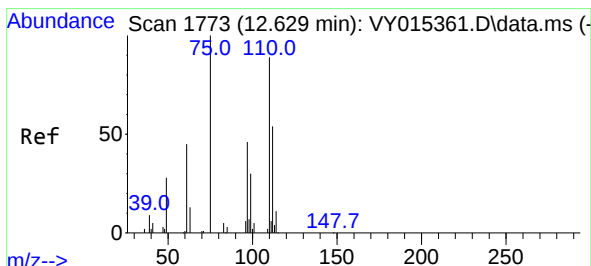
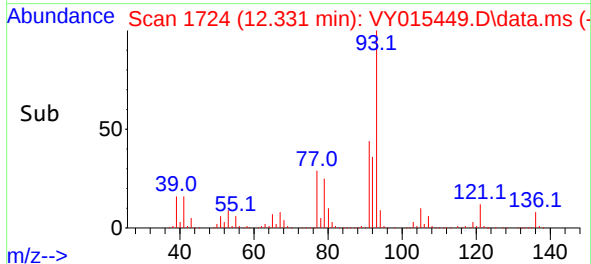
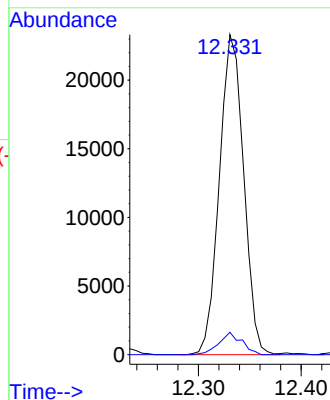
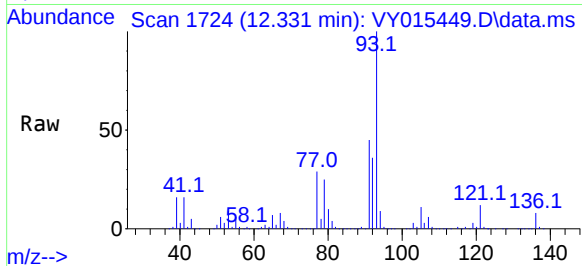




#73
Isopropylbenzene
Concen: 3.746 ug/l
RT: 12.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

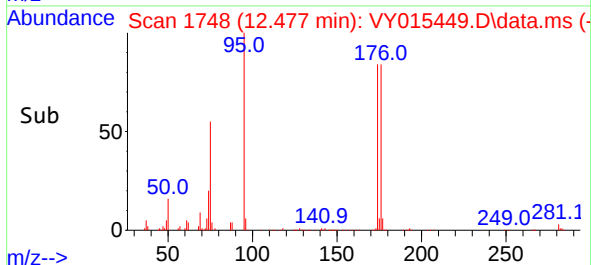
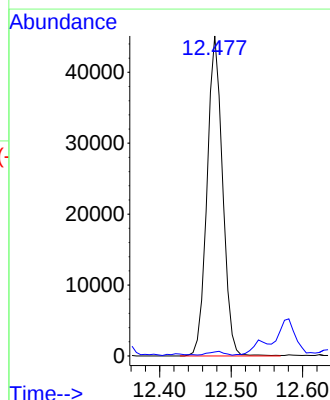
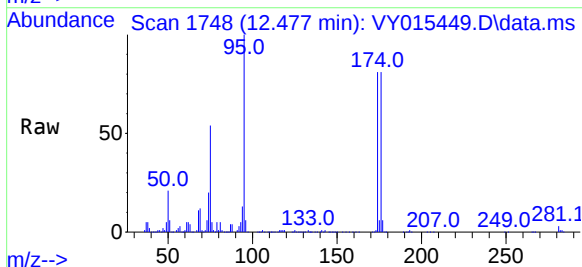
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

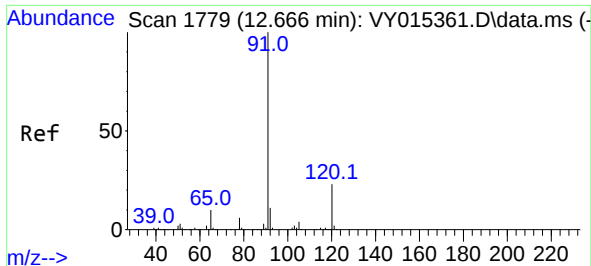
Tgt Ion:105 Resp: 38258
Ion Ratio Lower Upper
105 100
120 6.6 13.3 39.9#



#76
1,2,3-Trichloropropane
Concen: 37.736 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

Tgt Ion: 75 Resp: 68034
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

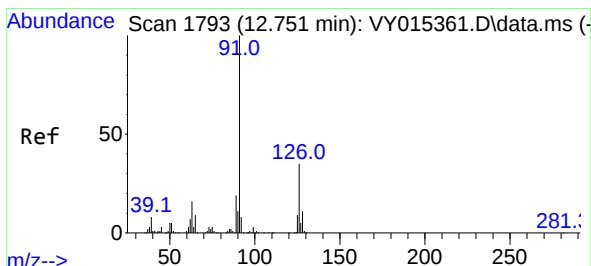
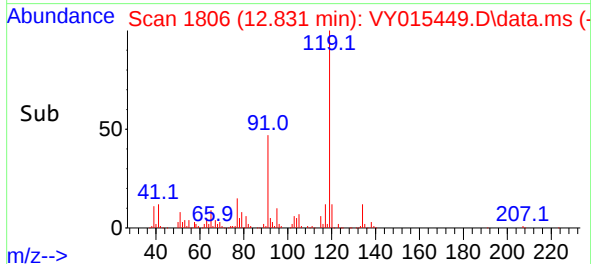
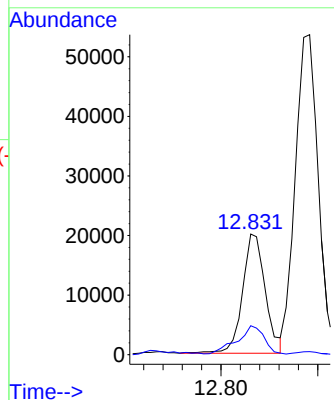
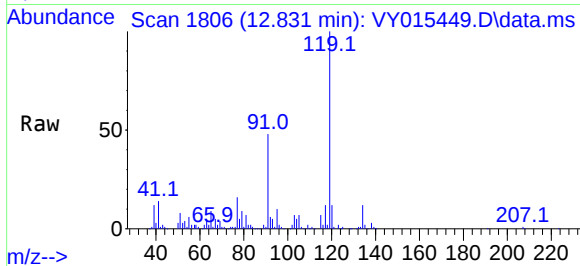




#78
n-propylbenzene
Concen: 2.650 ug/l
RT: 12.831 min Scan# 1806
Delta R.T. 0.165 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

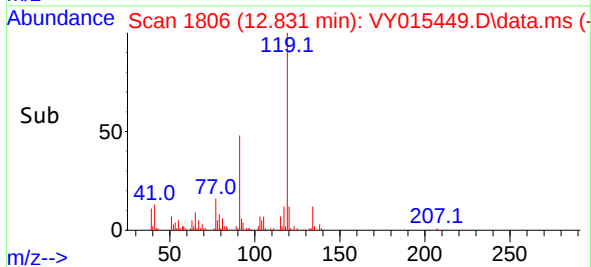
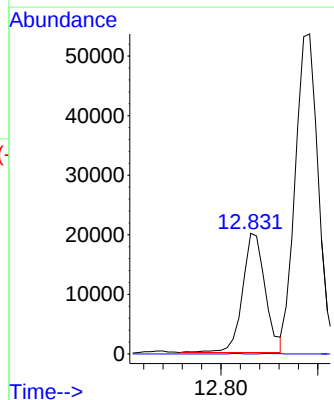
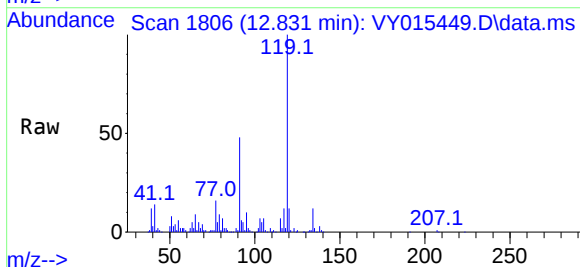
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

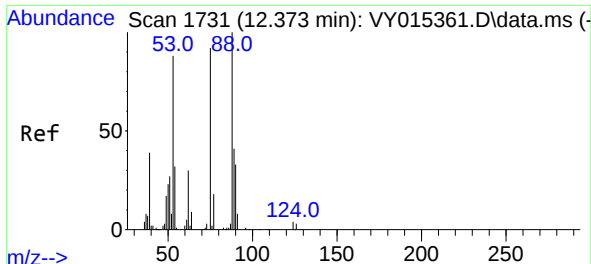
Tgt Ion: 91 Resp: 32745
Ion Ratio Lower Upper
91 100
120 29.6 11.5 34.4



#79
2-Chlorotoluene
Concen: 4.724 ug/l
RT: 12.831 min Scan# 1806
Delta R.T. 0.079 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

Tgt Ion: 91 Resp: 32742
Ion Ratio Lower Upper
91 100
126 0.3 17.3 51.7#

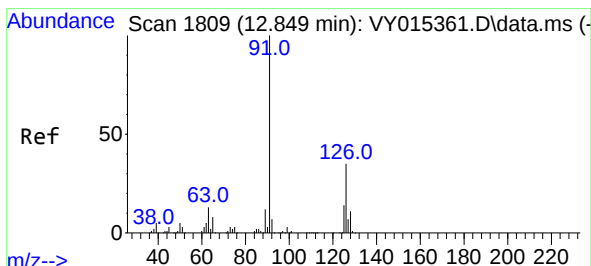
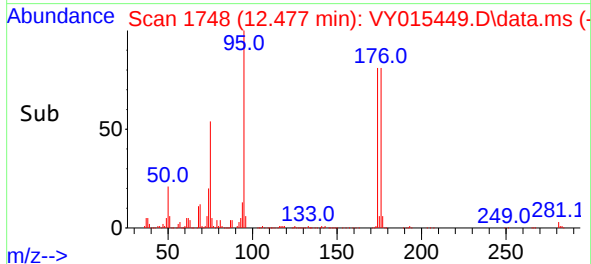
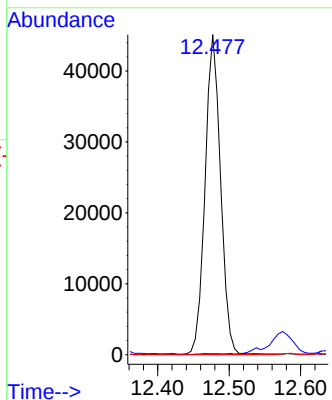
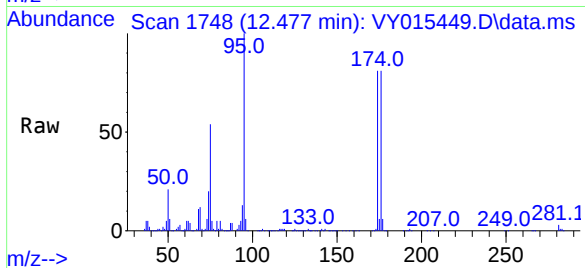




#81
trans-1,4-Dichloro-2-butene
Concen: 83.242 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

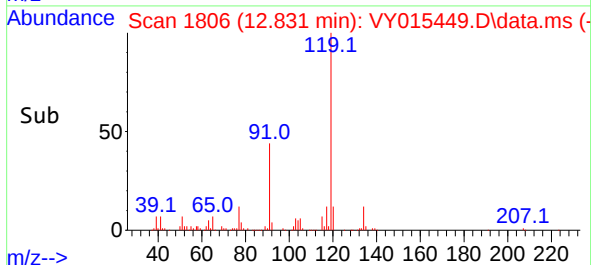
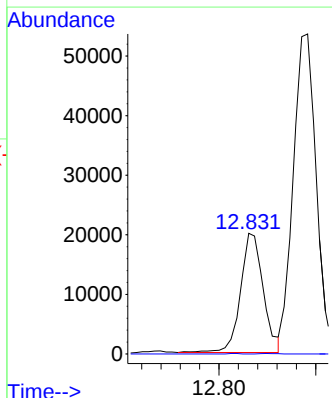
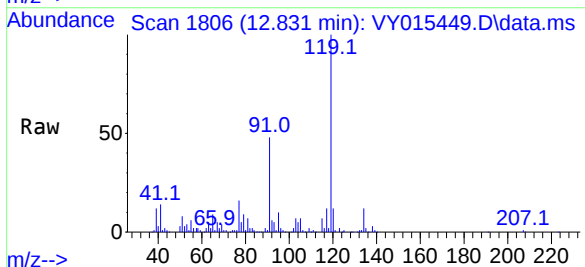
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

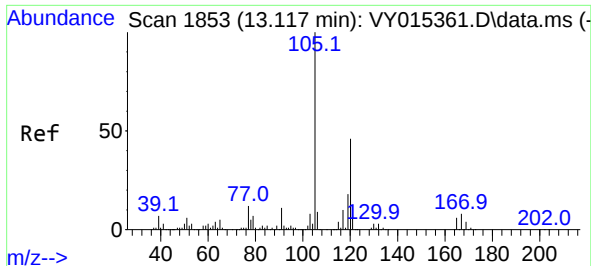
Tgt Ion: 75 Resp: 68034
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#82
4-Chlorotoluene
Concen: 4.546 ug/l
RT: 12.831 min Scan# 1806
Delta R.T. -0.018 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

Tgt Ion: 91 Resp: 32742
Ion Ratio Lower Upper
91 100
126 0.3 17.2 51.6#

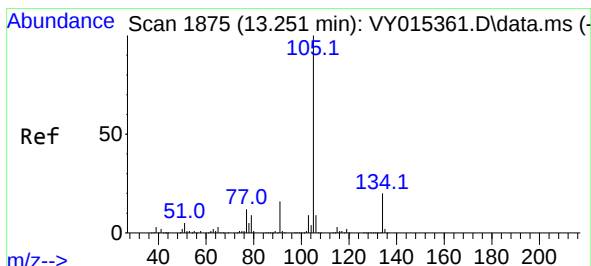
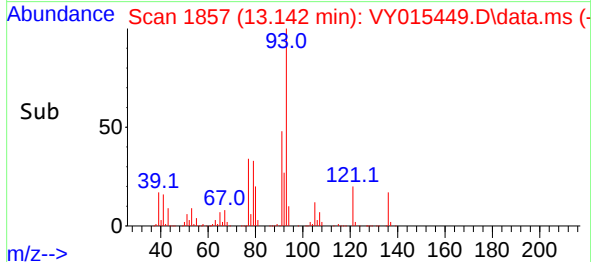
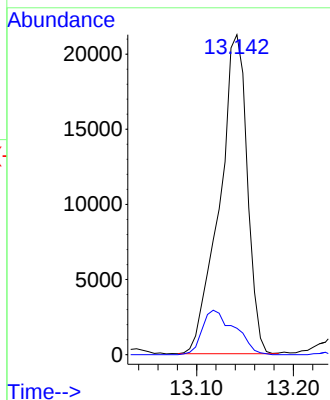
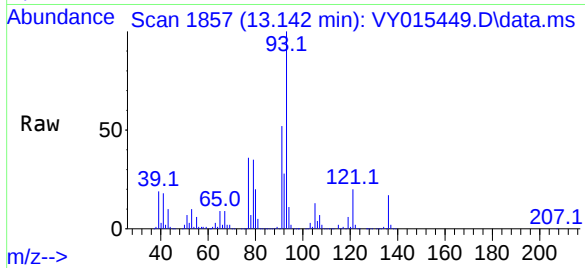




#84
1,2,4-Trimethylbenzene
Concen: 4.985 ug/l
RT: 13.142 min Scan# 1857
Delta R.T. 0.024 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

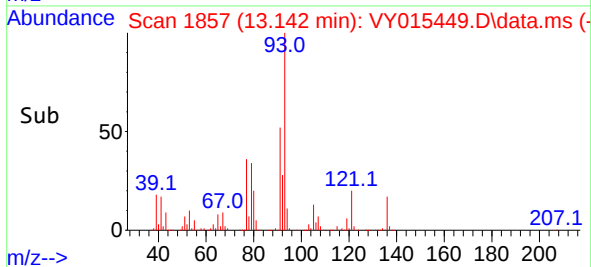
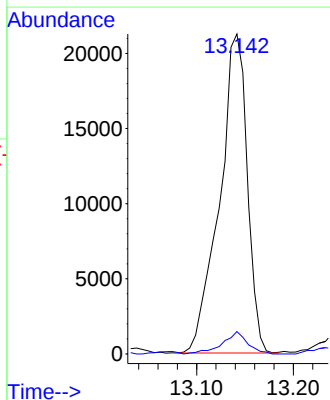
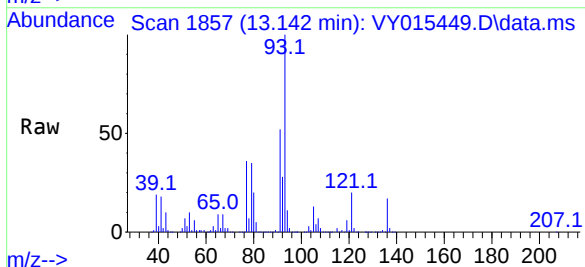
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

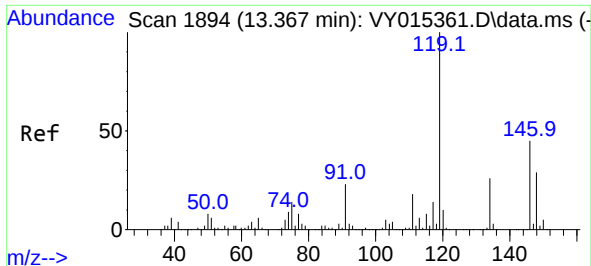
Tgt Ion:105 Resp: 42279
Ion Ratio Lower Upper
105 100
120 0.0 22.2 66.6#



#85
sec-Butylbenzene
Concen: 3.789 ug/l
RT: 13.142 min Scan# 1857
Delta R.T. -0.110 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

Tgt Ion:105 Resp: 42279
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.6#

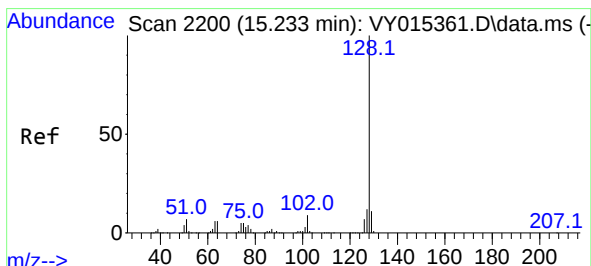
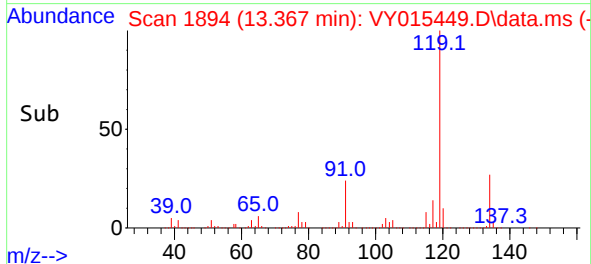
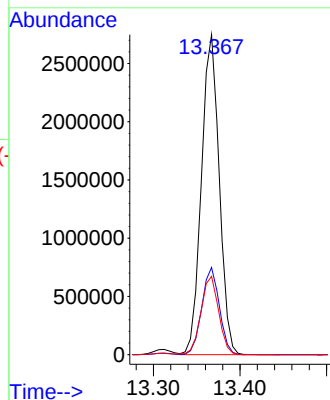
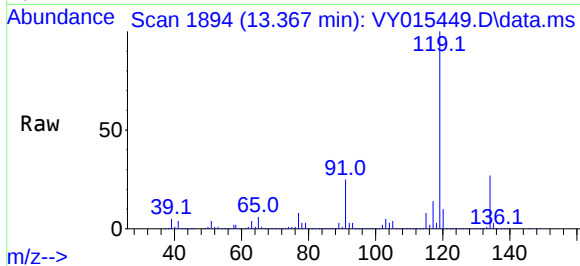




#86
p-Isopropyltoluene
Concen: 418.467 ug/l
RT: 13.367 min Scan# 119
Delta R.T. -0.000 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-9.5-10.0

Tgt Ion:119 Resp: 3913662
Ion Ratio Lower Upper
119 100
134 26.9 13.3 39.8
91 24.3 12.4 37.4



#95
Naphthalene
Concen: 3.999 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY015449.D
Acq: 06 Sep 2023 14:56

Tgt Ion:128 Resp: 27111
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 13.1 8.6 13.0#

