

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
 Data File : VD077934.D
 Acq On : 16 Dec 2023 15:23
 Operator : RP/MD
 Sample : 05862-10
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 18 01:59:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	9631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	17208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	17660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	8858	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	6749	59.469	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.940%	
35) Dibromofluoromethane	7.811	113	6289	52.175	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.360%	
50) Toluene-d8	10.263	98	22169	45.921	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.840%	
62) 4-Bromofluorobenzene	12.569	95	7157	49.586	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.180%	

Target Compounds			Qvalue			
3) Chloromethane	2.152	50	415	2.531	ug/l #	41
5) Bromomethane	2.699	94	449	3.594	ug/l	96
6) Chloroethane	2.834	64	171	1.127	ug/l #	43
8) Diethyl Ether	3.758	74	72	1.251	ug/l #	1
10) Methyl Iodide	4.293	142	143	7.945	ug/l #	46
13) Acrolein	3.752	56	85	7.080	ug/l #	15
15) Acrylonitrile	5.199	53	57	2.312	ug/l #	18
16) Acetone	4.028	43	604	Below Cal	#	32
18) Methyl Acetate	4.552	43	114	1.275	ug/l #	42
20) Methylene Chloride	4.793	84	428	Below Cal	#	55
25) 2-Butanone	7.093	43	123	Below Cal	#	37
29) Tetrahydrofuran	7.458	42	138	7.636	ug/l #	23
31) Cyclohexane	7.863	56	211	1.045	ug/l #	1
36) 1,1-Dichloropropene	7.858	75	847	4.393	ug/l #	45
37) Ethyl Acetate	7.181	43	108	1.437	ug/l #	62
41) Methacrylonitrile	7.375	41	55	1.439	ug/l #	1
43) Isopropyl Acetate	8.346	43	156	1.167	ug/l #	43
48) Methyl methacrylate	9.346	41	119	1.566	ug/l #	1
49) 1,4-Dioxane	9.246	88	56	80.124	ug/l #	1
51) 4-Methyl-2-Pentanone	10.228	43	71	1.041	ug/l #	28
58) 2-Chloroethyl Vinyl ether	10.140	63	94	1.942	ug/l #	43
65) Chlorobenzene	11.599	112	68	Below Cal	#	43
67) Ethyl Benzene	11.681	91	16369	22.264	ug/l	92
68) m/p-Xylenes	11.787	106	5765	20.499	ug/l	93
69) o-Xylene	12.122	106	4090	15.780	ug/l	96
70) Styrene	12.134	104	390	1.012	ug/l #	1
73) Isopropylbenzene	12.422	105	3470	5.169	ug/l	93
76) 1,2,3-Trichloropropane	12.728	75	128	1.664	ug/l #	100
77) Bromobenzene	12.681	156	319	2.020	ug/l #	16
78) n-propylbenzene	12.769	91	1664	2.034	ug/l	77
79) 2-Chlorotoluene	12.857	91	1779	4.058	ug/l #	36
80) 1,3,5-Trimethylbenzene	12.898	105	6792	12.130	ug/l	84
81) trans-1,4-Dichloro-2-b...	12.569	75	3742	98.549	ug/l #	17
83) tert-Butylbenzene	13.210	119	3417	7.228	ug/l #	51
84) 1,2,4-Trimethylbenzene	13.210	105	25642	45.786	ug/l	98
85) sec-Butylbenzene	13.210	105	25642	36.697	ug/l #	54

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 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

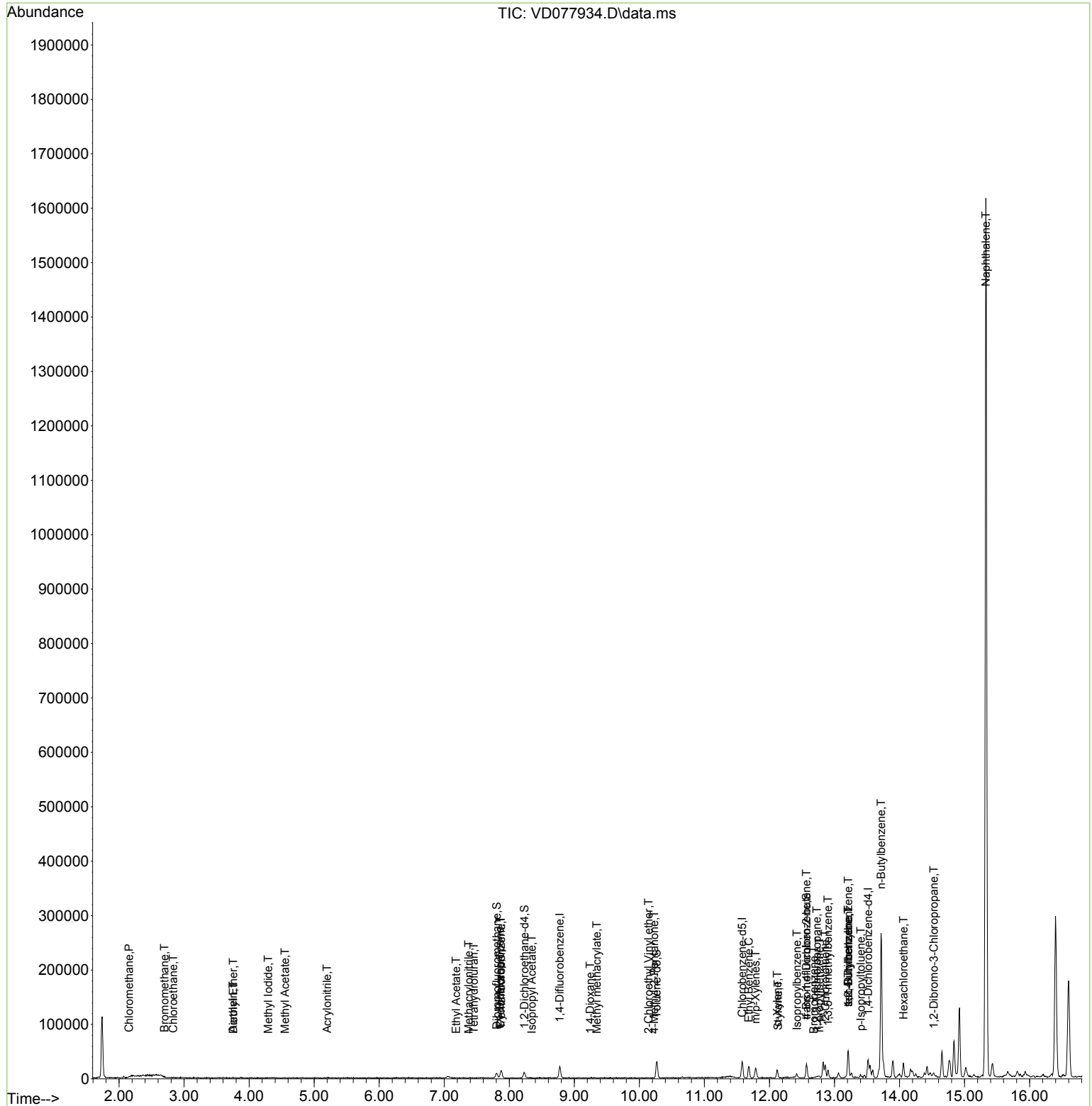
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.404	119	2904	4.642	ug/l	91
88) 1,4-Dichlorobenzene	13.545	146	81	Below Cal	#	26
89) n-Butylbenzene	13.716	91	25486	43.294	ug/l #	42
90) Hexachloroethane	14.063	117	2283	19.843	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.528	75	234	13.076	ug/l #	1
95) Naphthalene	15.328	128	1334890	4282.706	ug/l	99

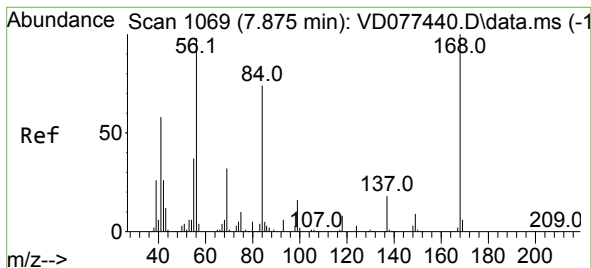
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 14 14:48:10 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 10

Delta R.T. 0.000 min

Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

Instrument :

MSVOA_D

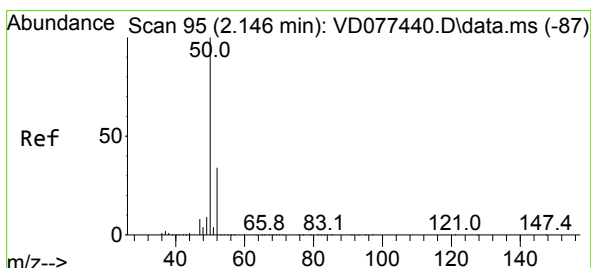
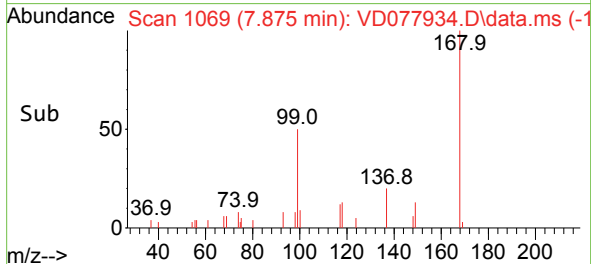
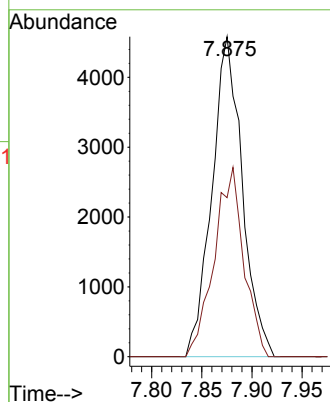
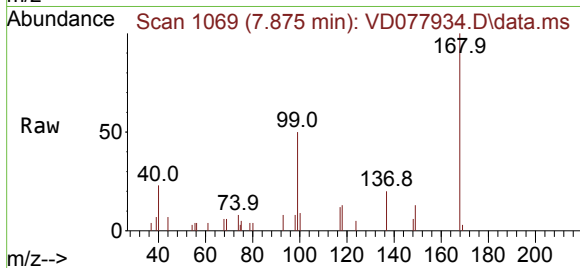
ClientSampleId :

Tgt Ion:168 Resp: 9631

Ion Ratio Lower Upper

168 100

99 49.7 36.7 55.1



#3

Chloromethane

Concen: 2.531 ug/l

RT: 2.152 min Scan# 96

Delta R.T. 0.006 min

Lab File: VD077934.D

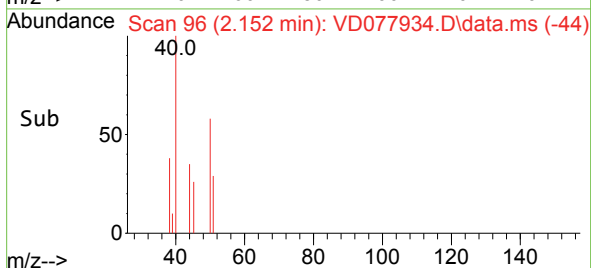
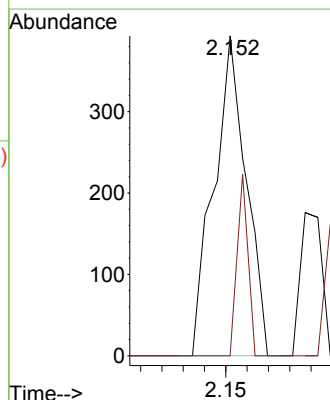
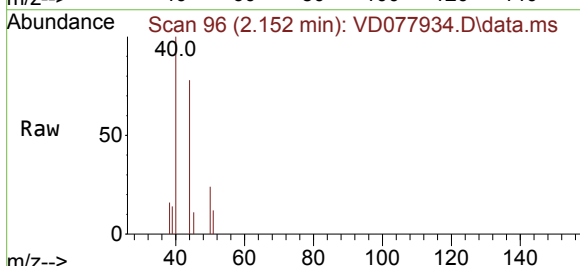
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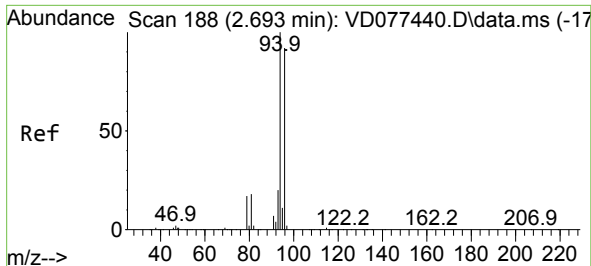
Tgt Ion: 50 Resp: 415

Ion Ratio Lower Upper

50 100

52 0.0 26.6 40.0#

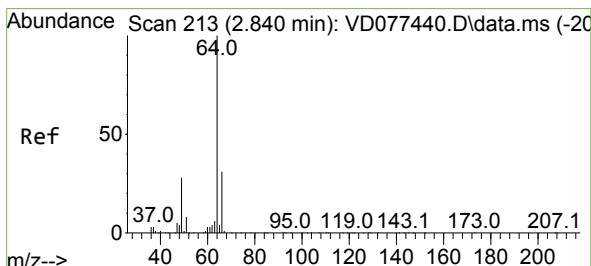
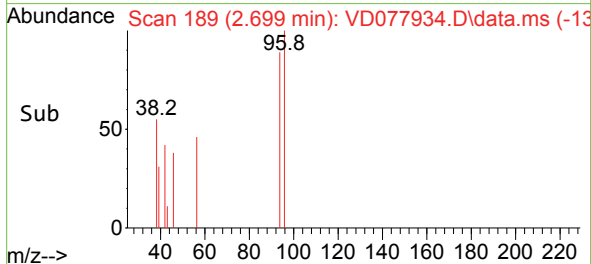
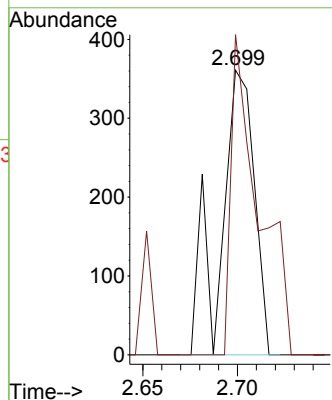
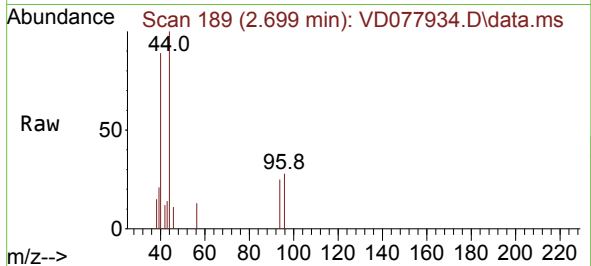




#5
Bromomethane
Concen: 3.594 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

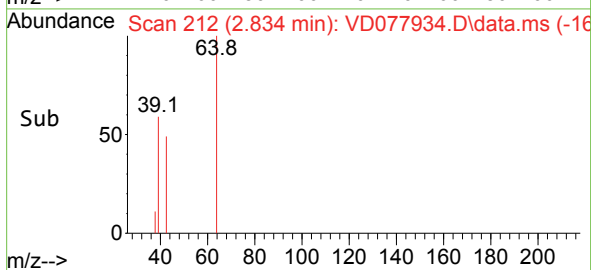
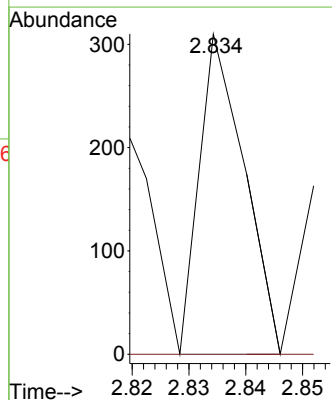
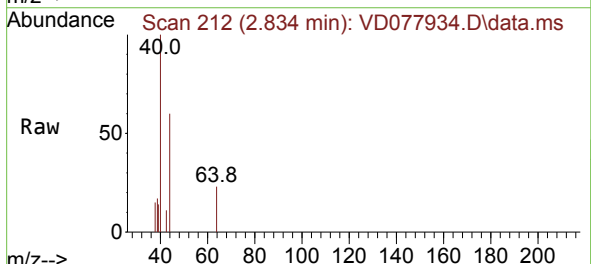
Instrument :
MSVOA_D
ClientSampleId :

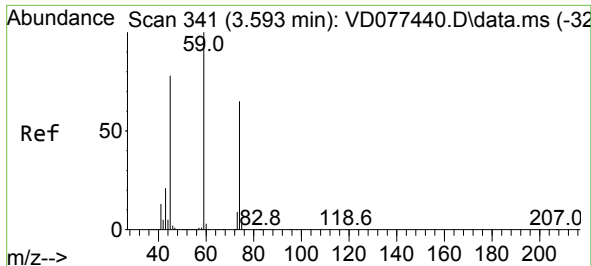
Tgt Ion: 94 Resp: 449
Ion Ratio Lower Upper
94 100
96 91.3 75.8 113.8



#6
Chloroethane
Concen: 1.127 ug/l
RT: 2.834 min Scan# 212
Delta R.T. -0.006 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

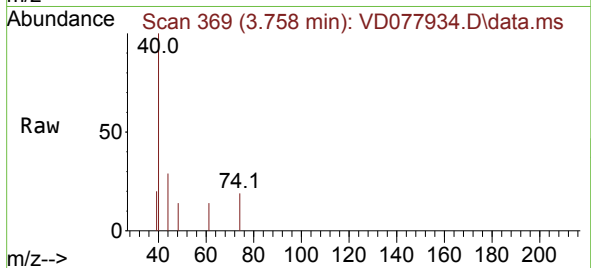
Tgt Ion: 64 Resp: 171
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



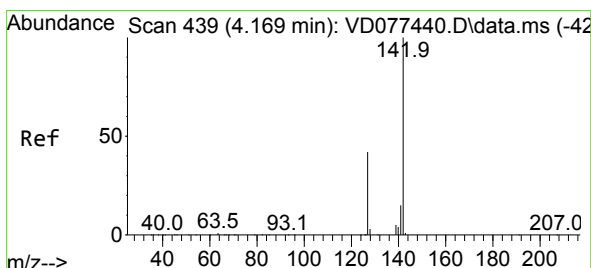
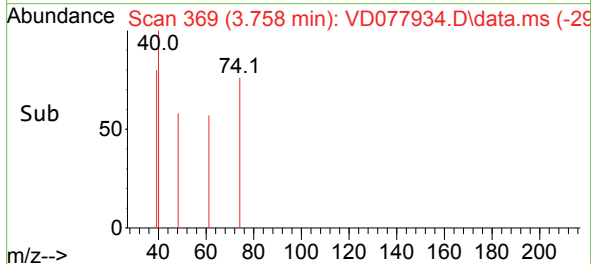
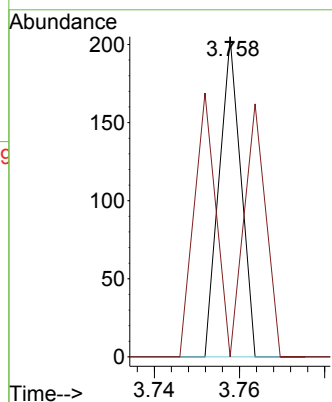


#8
Diethyl Ether
Concen: 1.251 ug/l
RT: 3.758 min Scan# 30
Delta R.T. 0.165 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Instrument :
MSVOA_D
ClientSampleId :

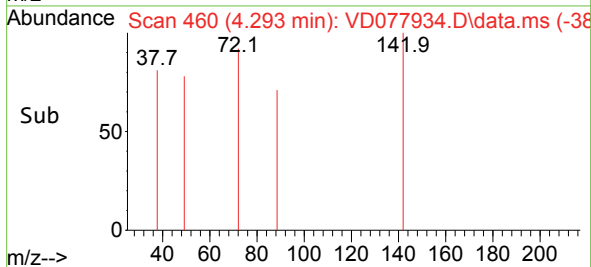
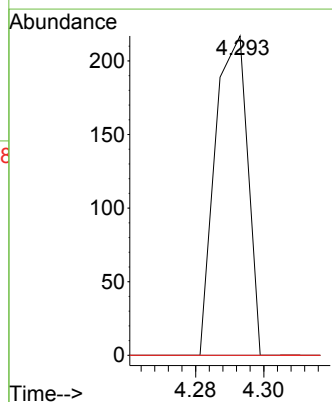
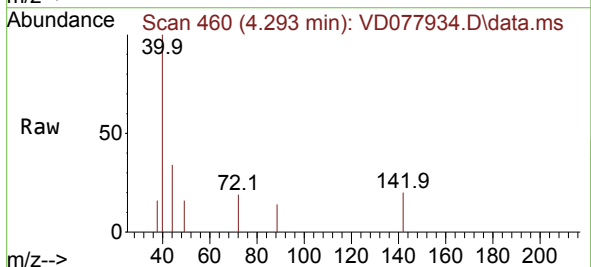


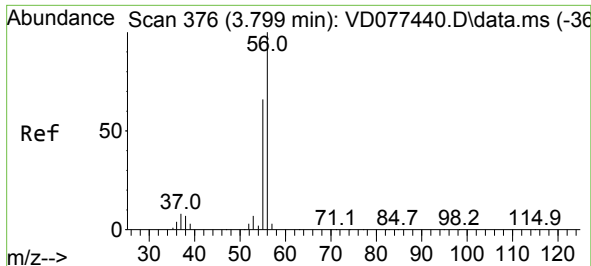
Tgt Ion: 74 Resp: 72
Ion Ratio Lower Upper
74 100
45 162.5 37.5 112.7#



#10
Methyl Iodide
Concen: 7.945 ug/l
RT: 4.293 min Scan# 460
Delta R.T. 0.124 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

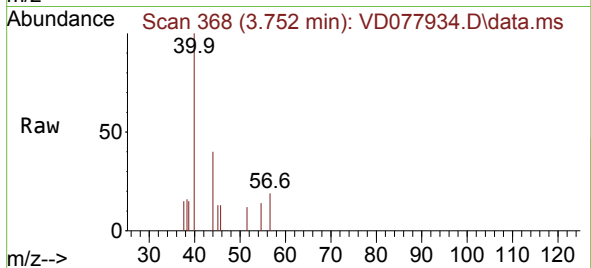
Tgt Ion: 142 Resp: 143
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#



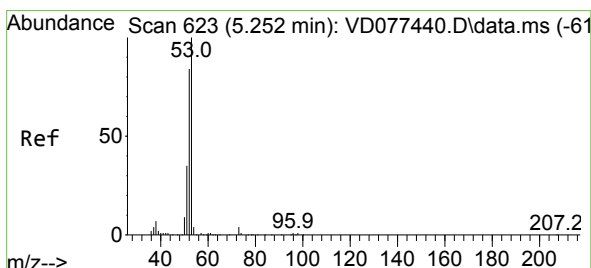
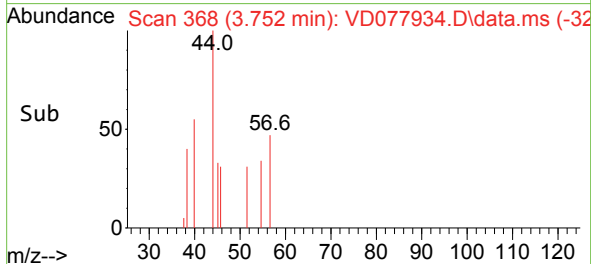
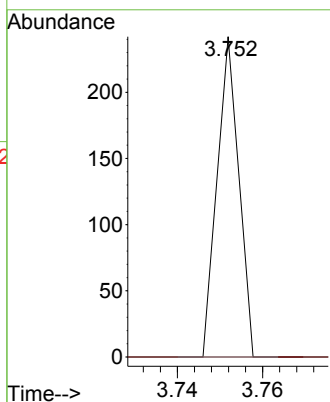


#13
Acrolein
Concen: 7.080 ug/l
RT: 3.752 min Scan# 30
Delta R.T. -0.047 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Instrument :
MSVOA_D
ClientSampleId :

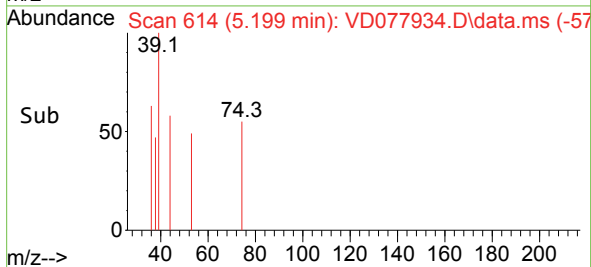
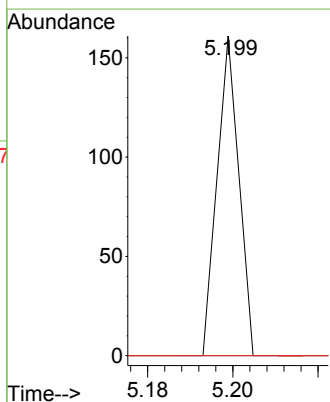
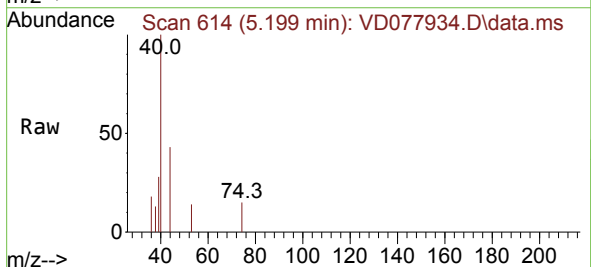


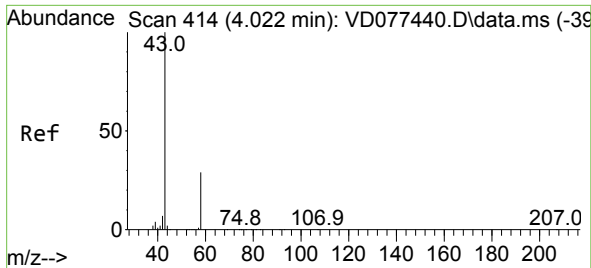
Tgt Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#15
Acrylonitrile
Concen: 2.312 ug/l
RT: 5.199 min Scan# 614
Delta R.T. -0.053 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Tgt Ion: 53 Resp: 57
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#

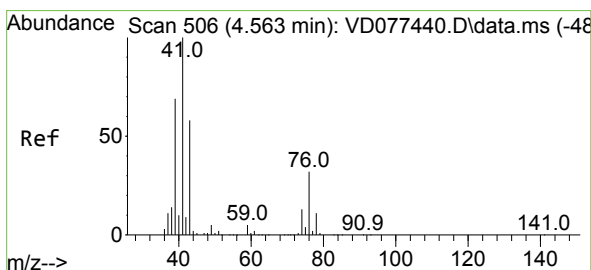
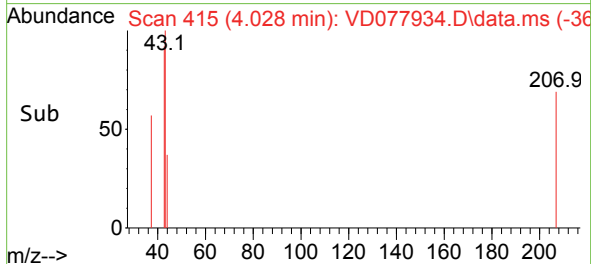
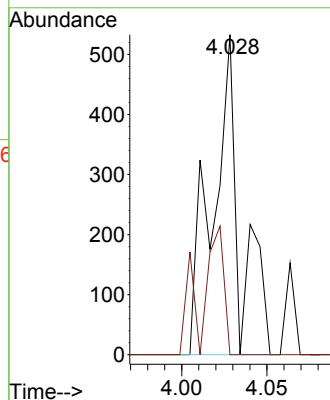
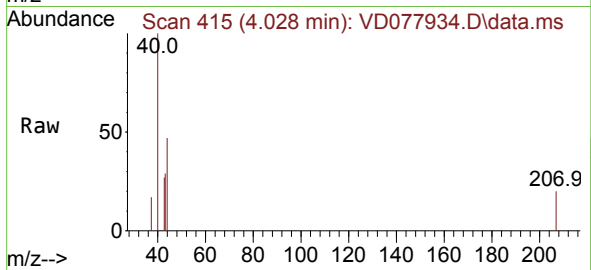




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

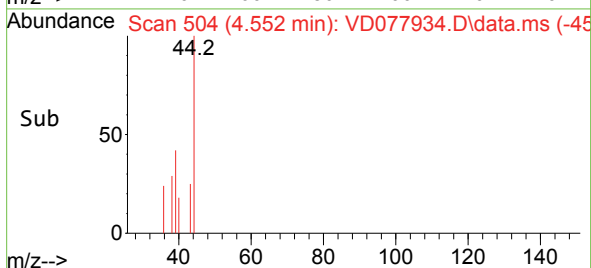
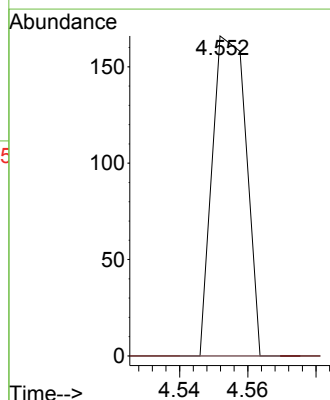
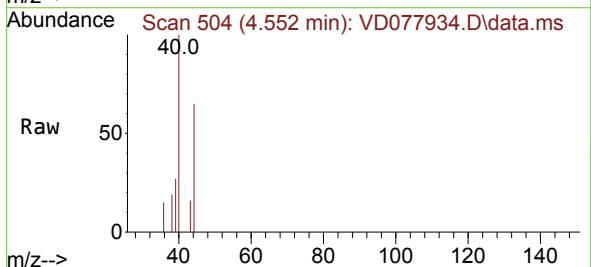
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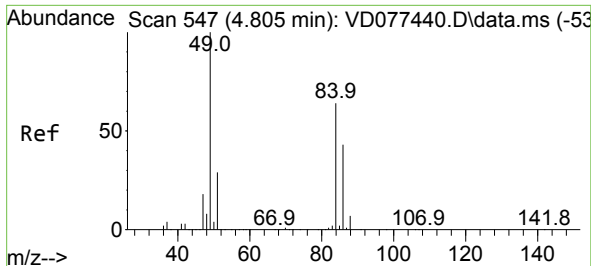
Tgt Ion: 43 Resp: 604
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#18
Methyl Acetate
Concen: 1.275 ug/l
RT: 4.552 min Scan# 504
Delta R.T. -0.011 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

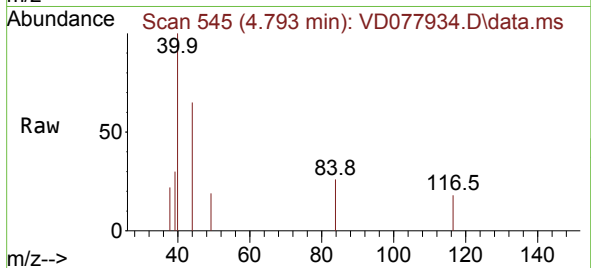
Tgt Ion: 43 Resp: 114
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



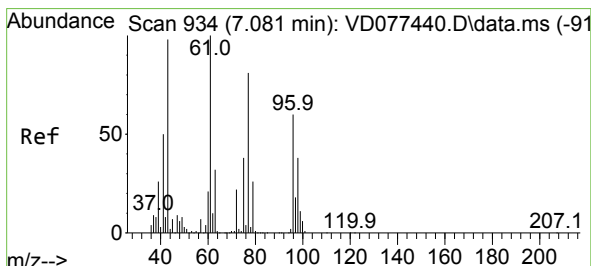
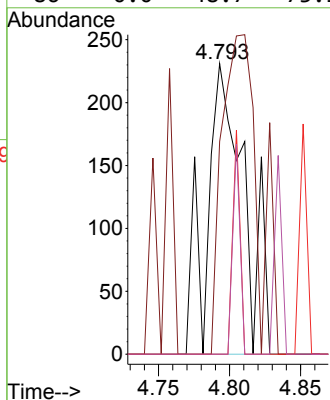
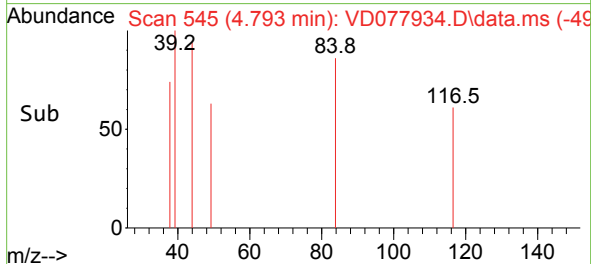


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.012 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

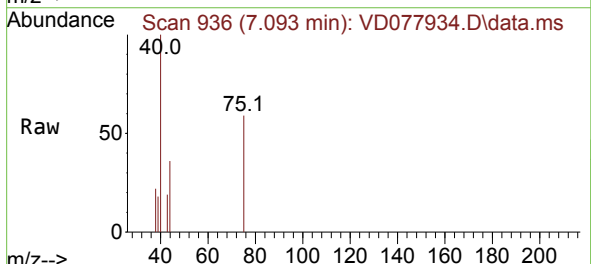
Instrument :
MSVOA_D
ClientSampleId :



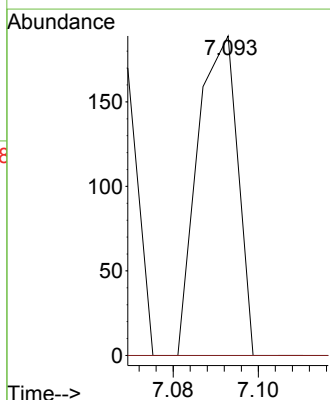
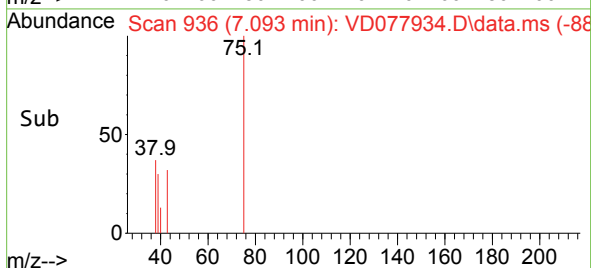
Tgt Ion: 84 Resp: 428
Ion Ratio Lower Upper
84 100
49 73.2 71.4 107.2
51 0.0 24.5 36.7#
86 0.0 48.7 73.1#

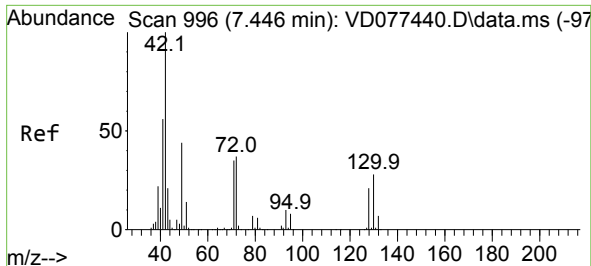


#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23



Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#29

Tetrahydrofuran

Concen: 7.636 ug/l

RT: 7.458 min Scan# 996

Delta R.T. 0.012 min

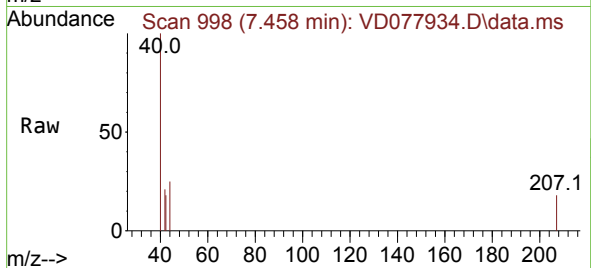
Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

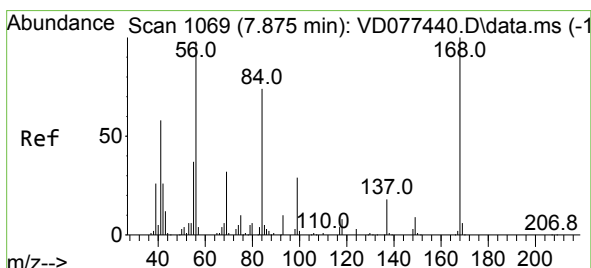
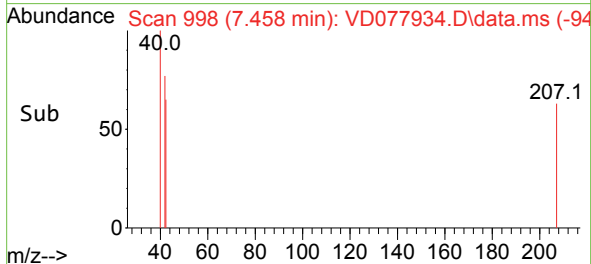
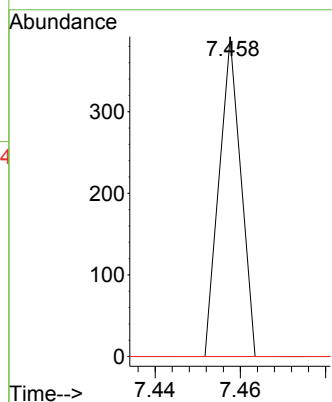
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 42	Resp: 138
Ion Ratio	Lower Upper
42	100
72	0.0 46.5 69.7#
71	0.0 44.5 66.7#



#31

Cyclohexane

Concen: 1.045 ug/l

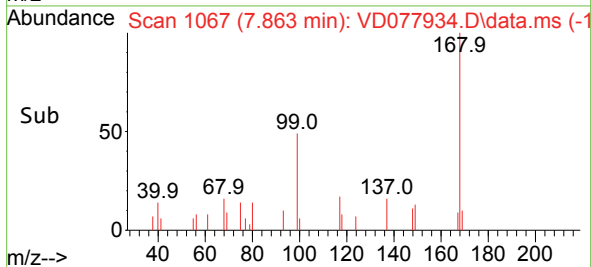
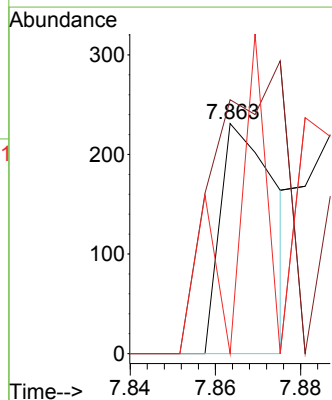
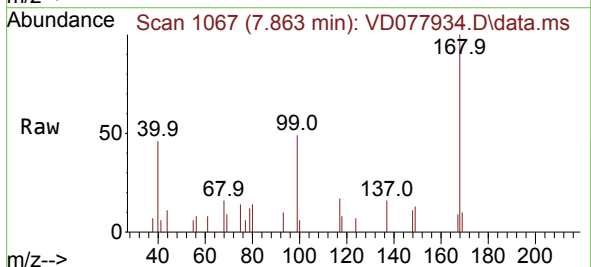
RT: 7.863 min Scan# 1067

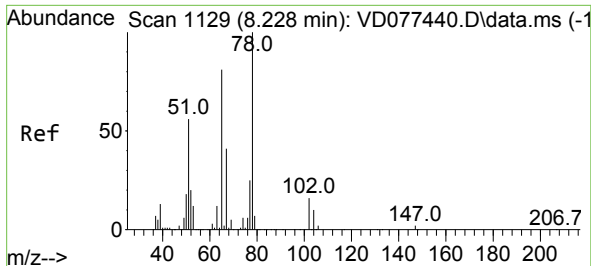
Delta R.T. -0.012 min

Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

Tgt Ion: 56	Resp: 211
Ion Ratio	Lower Upper
56	100
69	110.4 28.6 43.0#
84	0.0 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 59.469 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

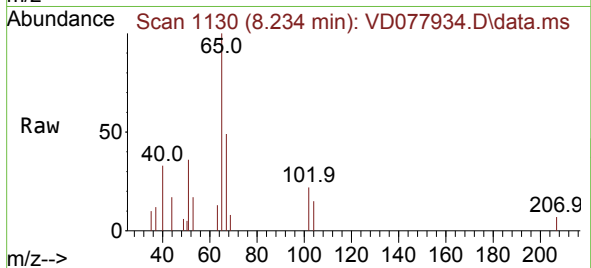
Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

Instrument :

MSVOA_D

ClientSampleId :

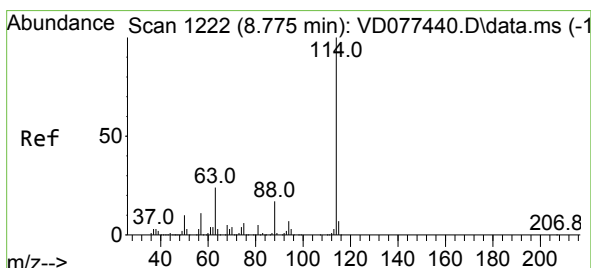
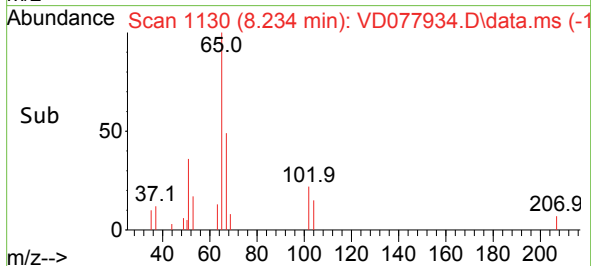
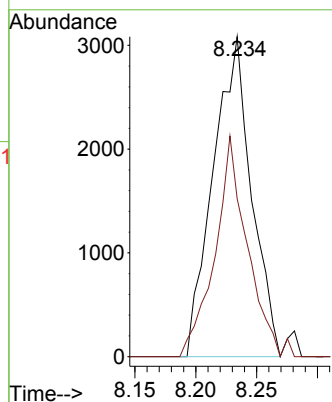


Tgt Ion: 65 Resp: 6749

Ion Ratio Lower Upper

65 100

67 58.4 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

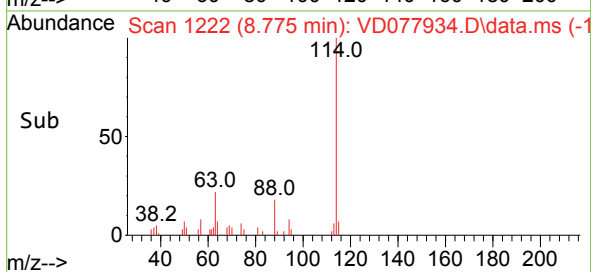
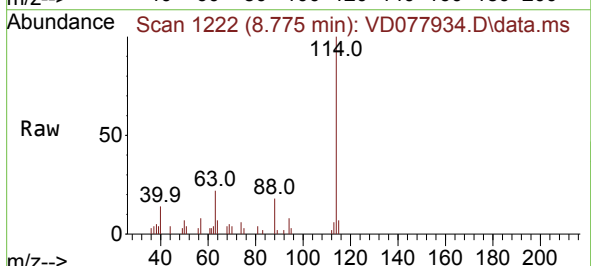
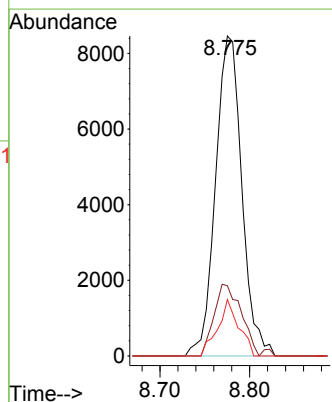
Tgt Ion: 114 Resp: 17208

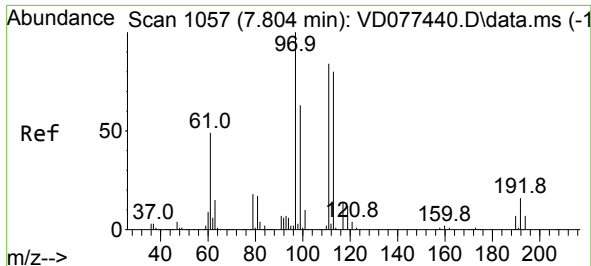
Ion Ratio Lower Upper

114 100

63 22.0 0.0 33.4

88 17.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 52.175 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

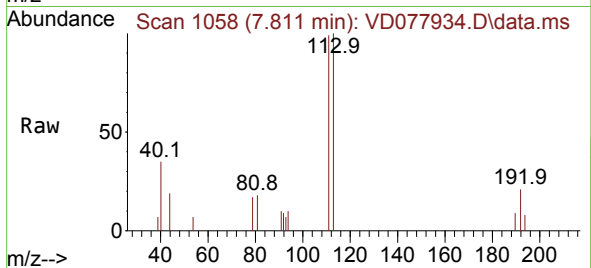
Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

Instrument :

MSVOA_D

ClientSampleId :



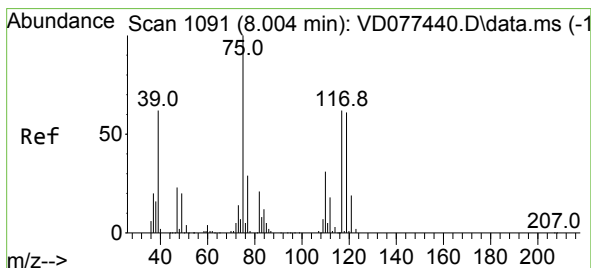
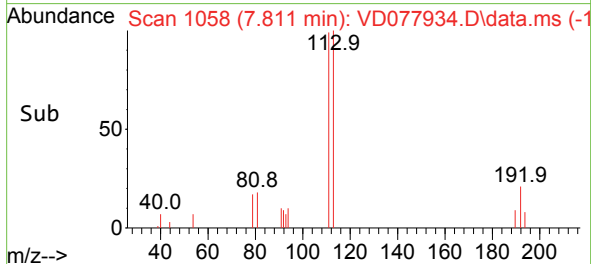
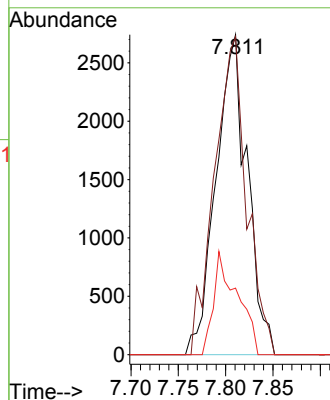
Tgt Ion:113 Resp: 6289

Ion Ratio Lower Upper

113 100

111 102.2 84.7 127.1

192 24.5 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.393 ug/l

RT: 7.858 min Scan# 1066

Delta R.T. -0.146 min

Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

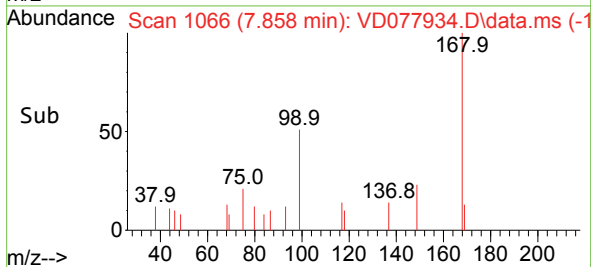
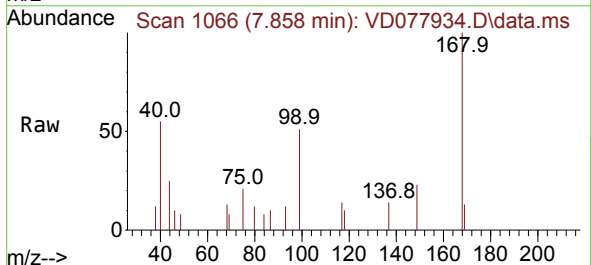
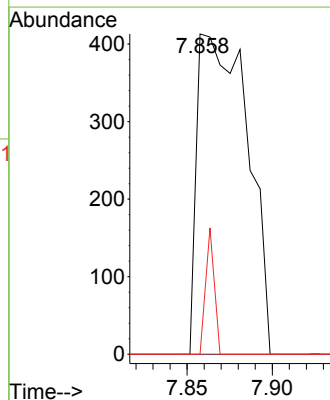
Tgt Ion: 75 Resp: 847

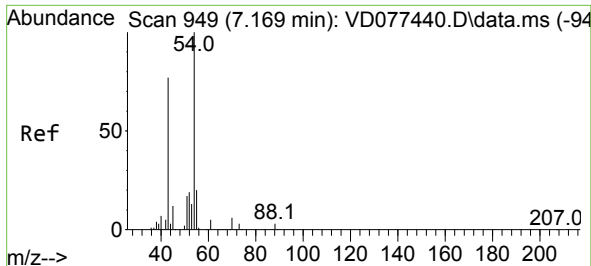
Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.6#

77 6.8 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.437 ug/l

RT: 7.181 min Scan# 91

Delta R.T. 0.012 min

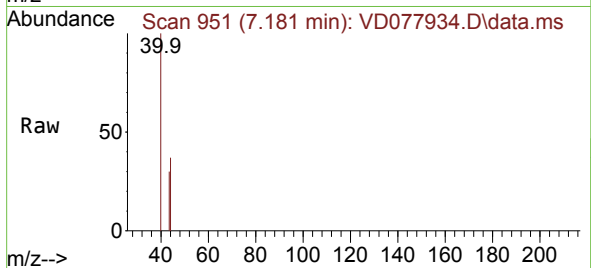
Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

Instrument :

MSVOA_D

ClientSampleId :



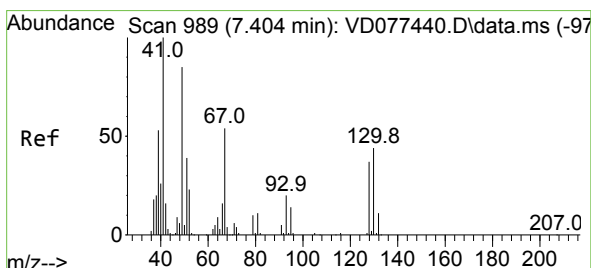
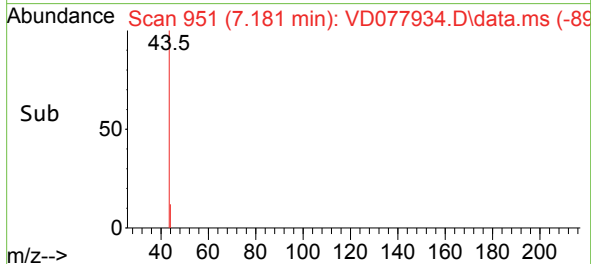
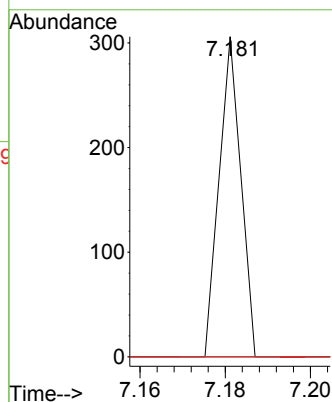
Tgt Ion: 43 Resp: 108

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

70 0.0 10.0 15.0#



#41

Methacrylonitrile

Concen: 1.439 ug/l

RT: 7.375 min Scan# 984

Delta R.T. -0.029 min

Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

Tgt Ion: 41 Resp: 55

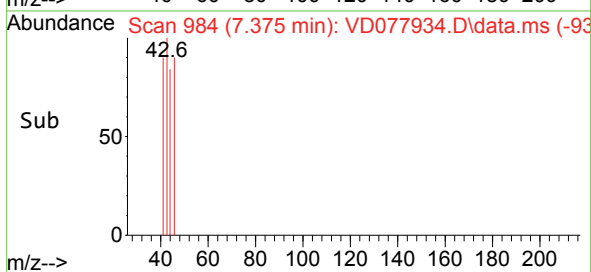
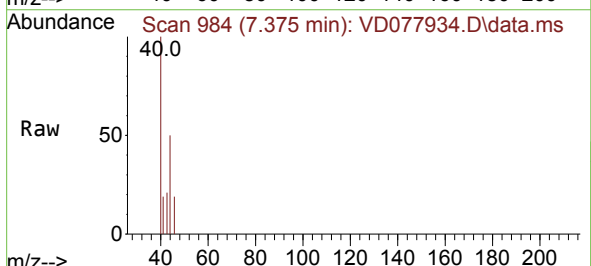
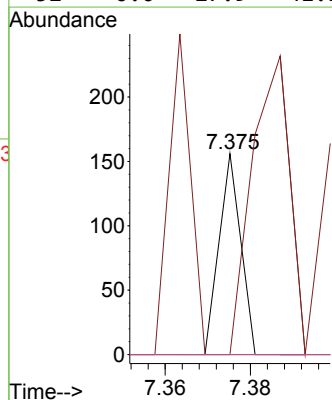
Ion Ratio Lower Upper

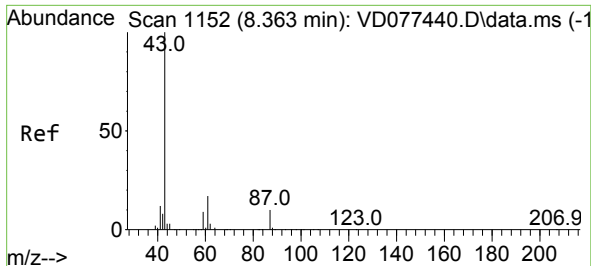
41 100

39 160.0 34.0 51.0#

67 0.0 77.0 115.4#

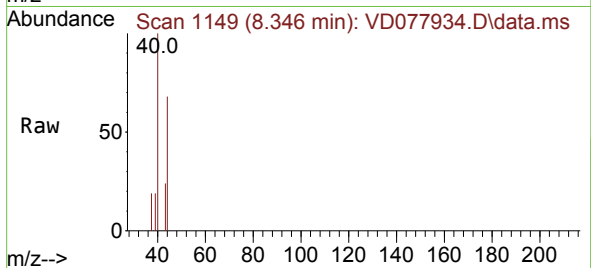
52 0.0 27.9 41.9#



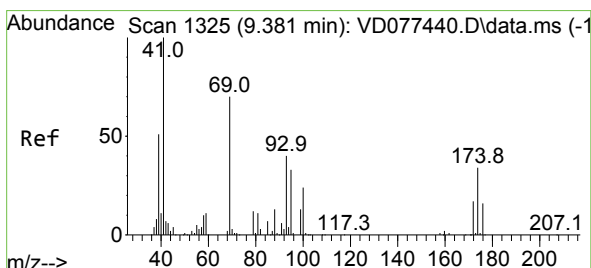
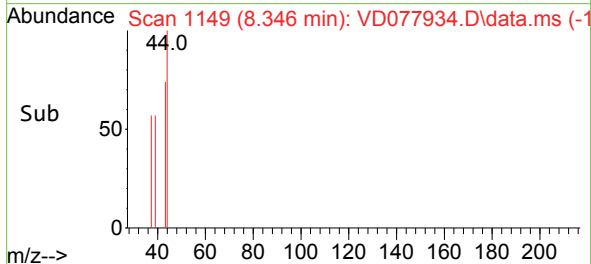
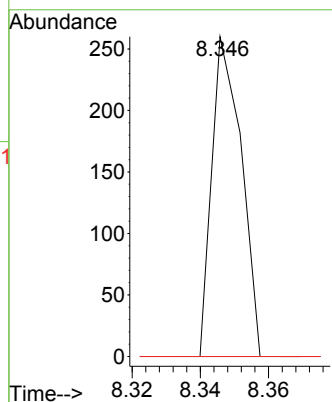


#43
Isopropyl Acetate
Concen: 1.167 ug/l
RT: 8.346 min Scan# 1152
Delta R.T. -0.017 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Instrument :
MSVOA_D
ClientSampleId :

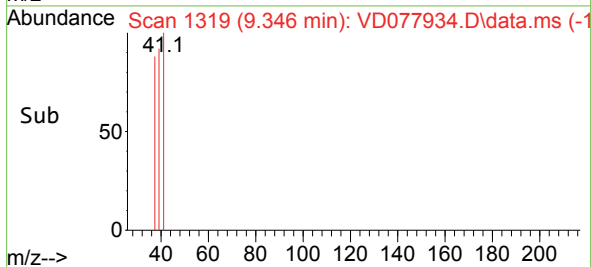
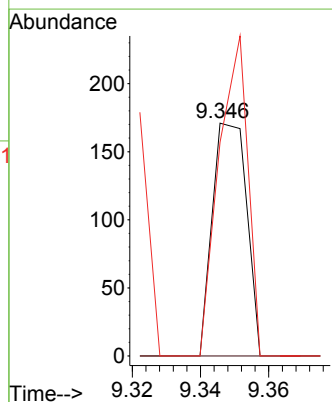
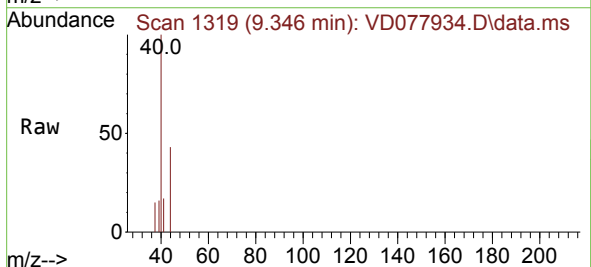


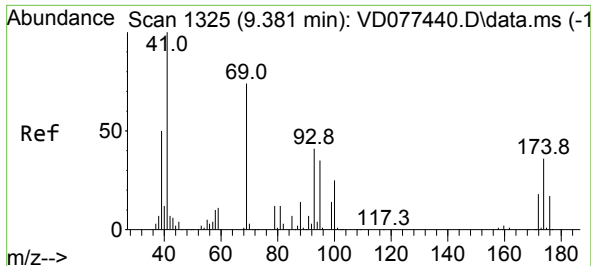
Tgt Ion: 43	Resp: 156
Ion Ratio	Lower Upper
43	100
61	0.0 31.4 47.0#
87	0.0 14.9 22.3#



#48
Methyl methacrylate
Concen: 1.566 ug/l
RT: 9.346 min Scan# 1319
Delta R.T. -0.035 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Tgt Ion: 41	Resp: 119
Ion Ratio	Lower Upper
41	100
69	0.0 102.2 153.2#
39	116.0 41.4 62.2#





#49

1,4-Dioxane

Concen: 80.124 ug/l

RT: 9.246 min Scan# 11

Delta R.T. -0.135 min

Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

Instrument :

MSVOA_D

ClientSampleId :

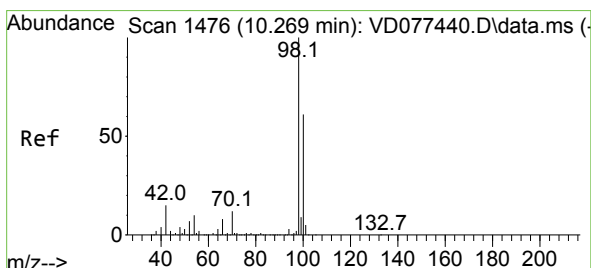
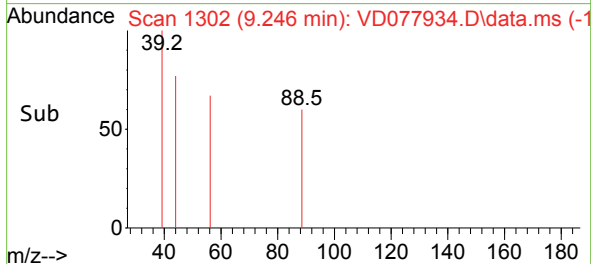
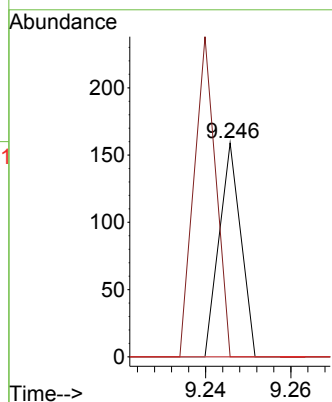
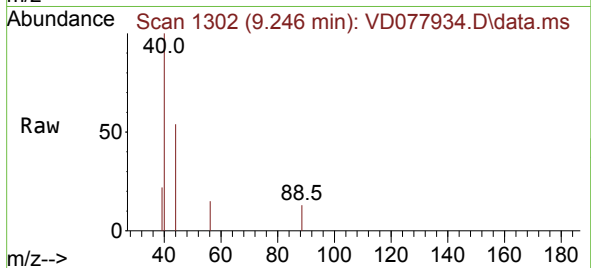
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 150.0 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 45.921 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VD077934.D

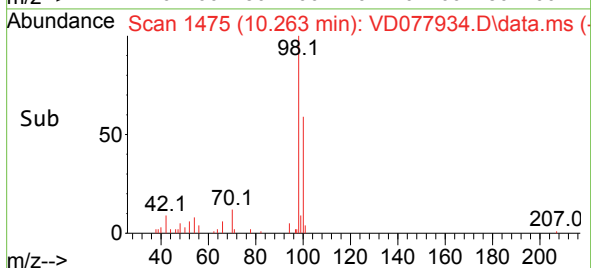
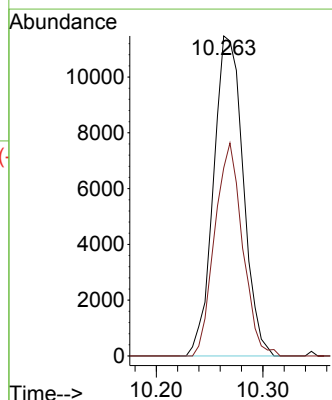
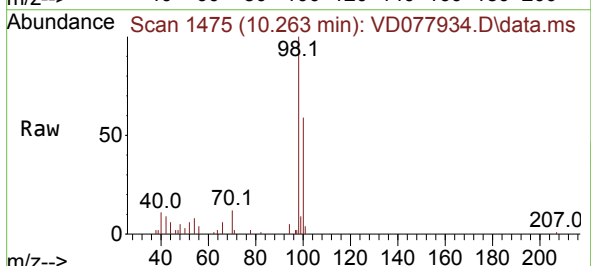
Acq: 16 Dec 2023 15:23

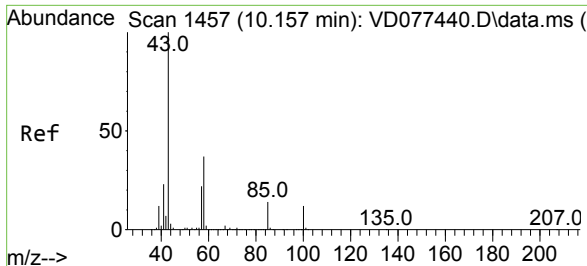
Tgt Ion: 98 Resp: 22169

Ion Ratio Lower Upper

98 100

100 62.4 50.3 75.5

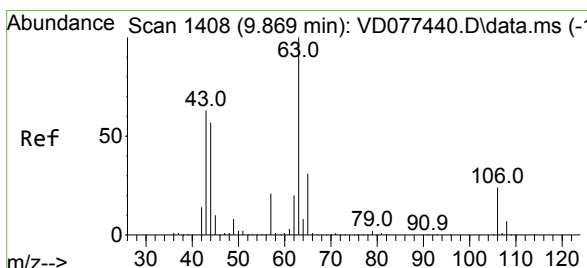
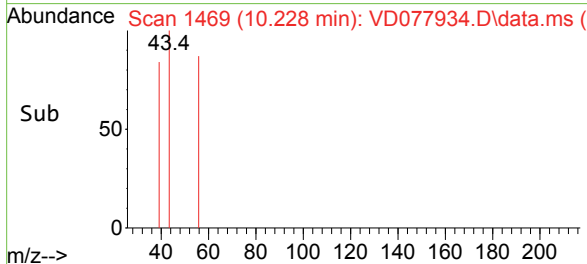
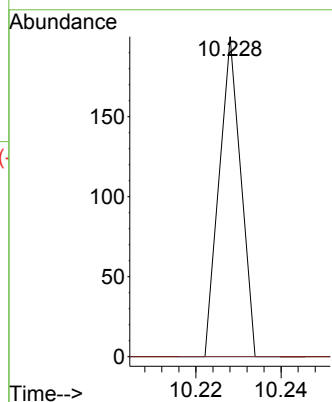
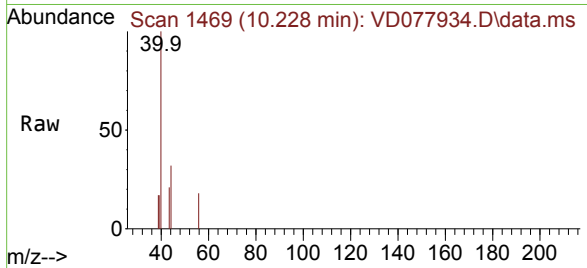




#51
4-Methyl-2-Pentanone
Concen: 1.041 ug/l
RT: 10.228 min Scan# 1469
Delta R.T. 0.071 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

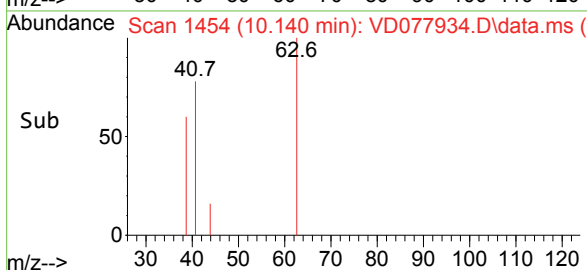
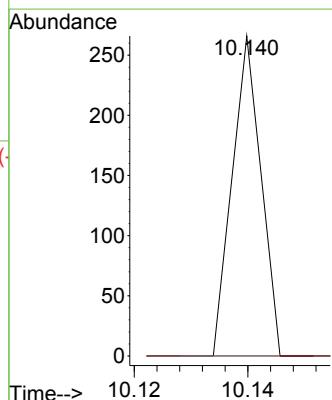
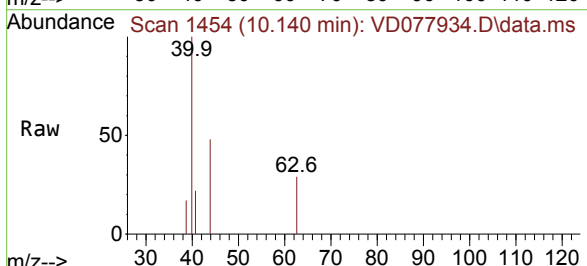
Instrument :
MSVOA_D
ClientSampleId :

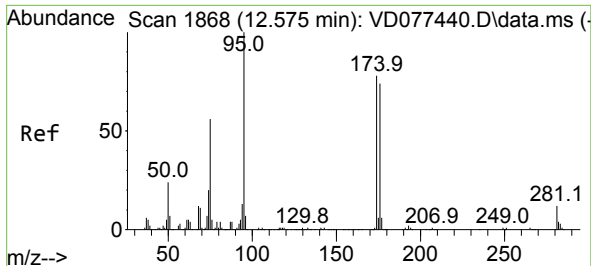
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#



#58
2-Chloroethyl Vinyl ether
Concen: 1.942 ug/l
RT: 10.140 min Scan# 1454
Delta R.T. 0.271 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Tgt Ion: 63 Resp: 94
Ion Ratio Lower Upper
63 100
106 0.0 25.3 37.9#

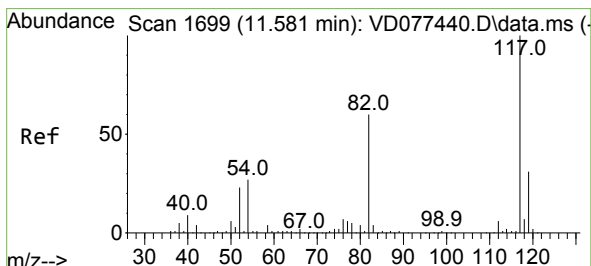
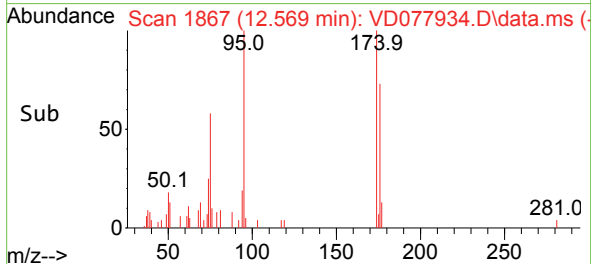
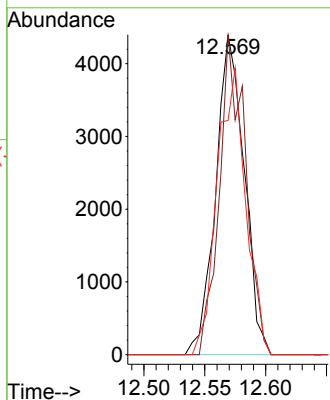
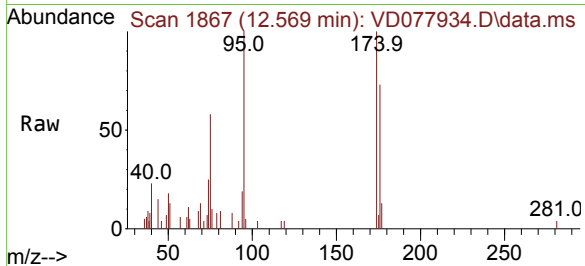




#62
4-Bromofluorobenzene
Concen: 49.586 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

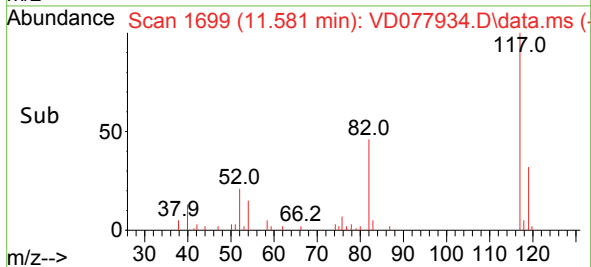
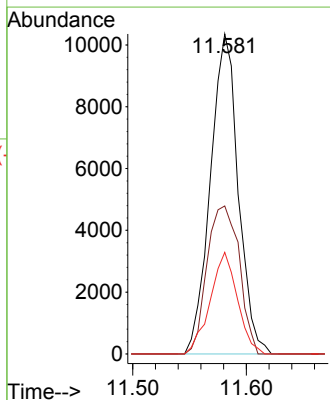
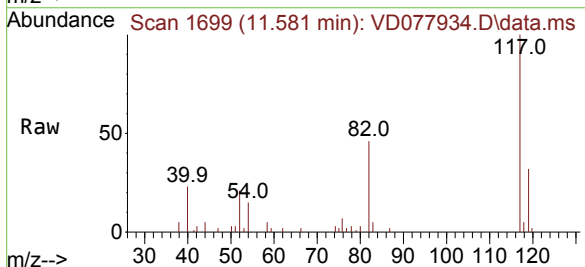
Instrument :
MSVOA_D
ClientSampleId :

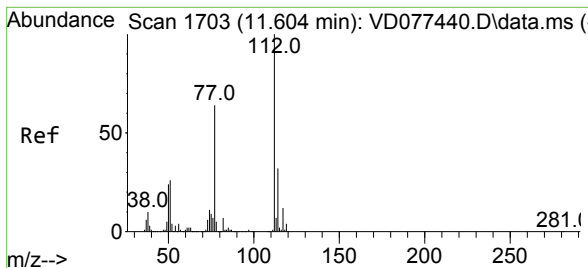
Tgt Ion:	95	Resp:	7157
Ion Ratio	Lower	Upper	
95	100		
174	91.1	0.0	201.8
176	90.5	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Tgt Ion:	117	Resp:	17660
Ion Ratio	Lower	Upper	
117	100		
82	46.3	38.3	57.5
119	31.8	25.0	37.4





#65

Chlorobenzene

Concen: Below Cal

RT: 11.599 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

Instrument :

MSVOA_D

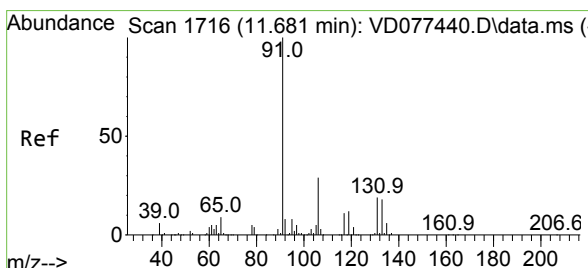
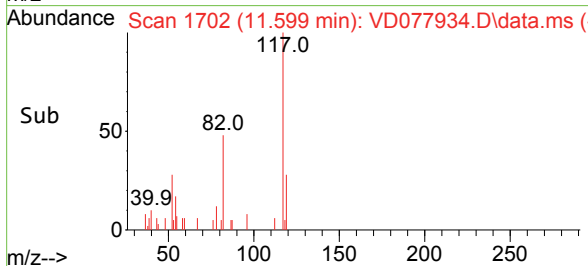
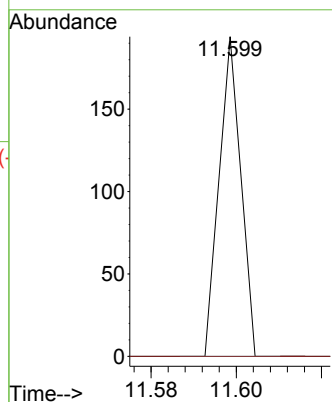
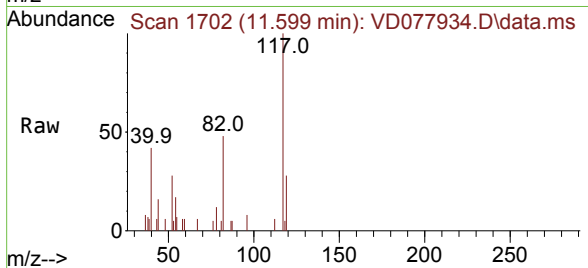
ClientSampleId :

Tgt Ion:112 Resp: 68

Ion Ratio Lower Upper

112 100

114 0.0 25.1 37.7#



#67

Ethyl Benzene

Concen: 22.264 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD077934.D

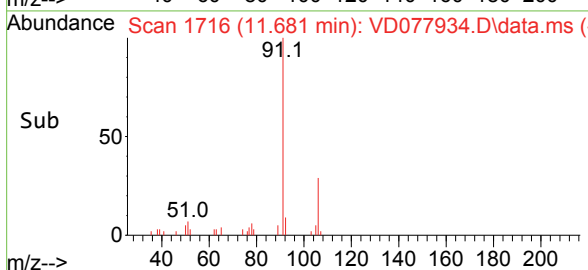
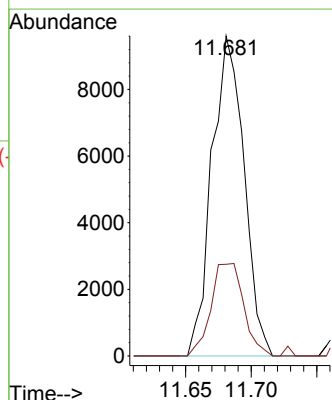
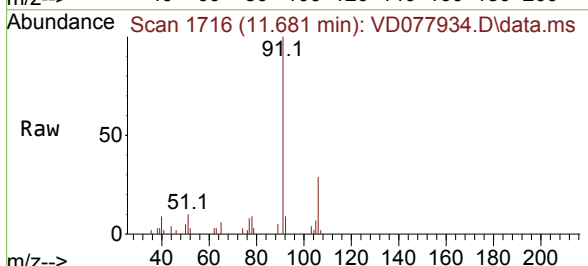
Acq: 16 Dec 2023 15:23

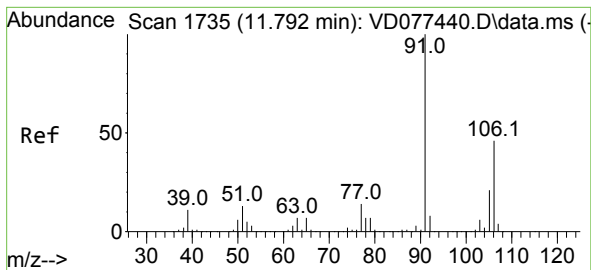
Tgt Ion: 91 Resp: 16369

Ion Ratio Lower Upper

91 100

106 28.6 26.5 39.7

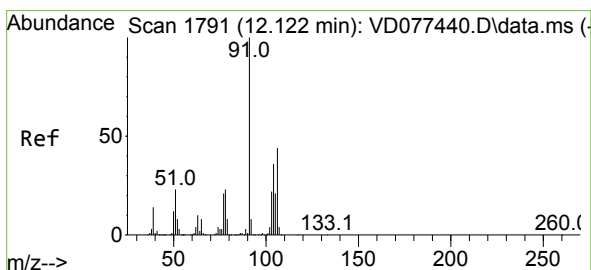
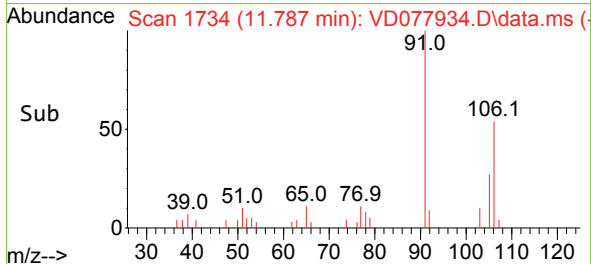
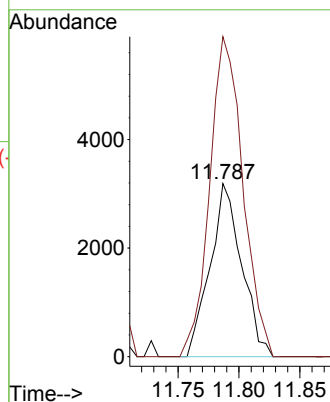
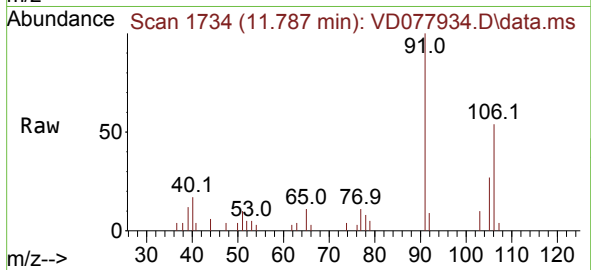




#68
m/p-Xylenes
Concen: 20.499 ug/l
RT: 11.787 min Scan# 1734
Delta R.T. -0.005 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

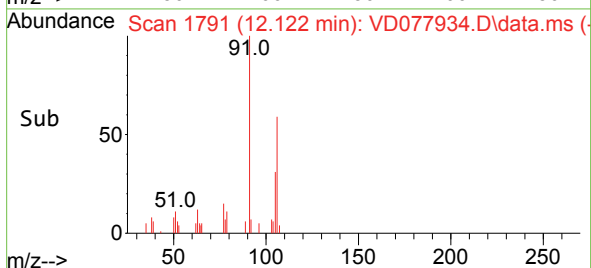
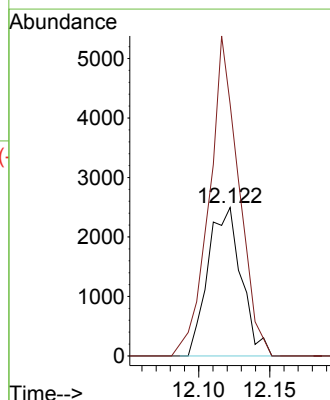
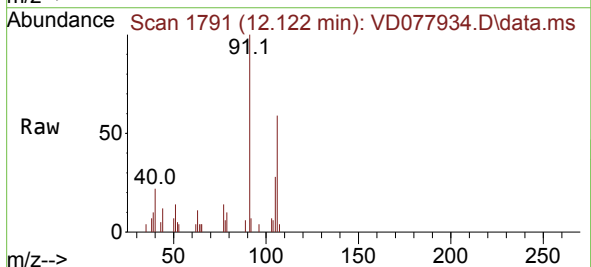
Instrument :
MSVOA_D
ClientSampleId :

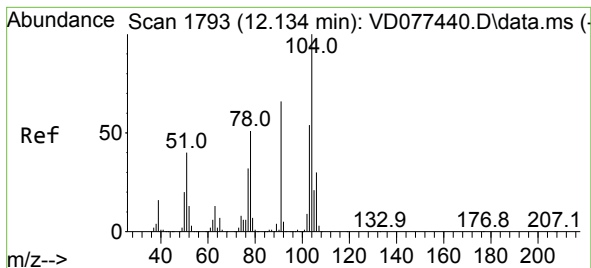
Tgt Ion:106 Resp: 5765
Ion Ratio Lower Upper
106 100
91 194.5 147.0 220.6



#69
o-Xylene
Concen: 15.780 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Tgt Ion:106 Resp: 4090
Ion Ratio Lower Upper
106 100
91 189.9 97.9 293.6





#70

Styrene

Concen: 1.012 ug/l

RT: 12.134 min Scan# 11

Delta R.T. -0.000 min

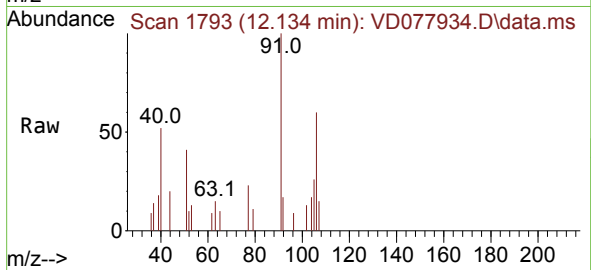
Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

Instrument :

MSVOA_D

ClientSampleId :



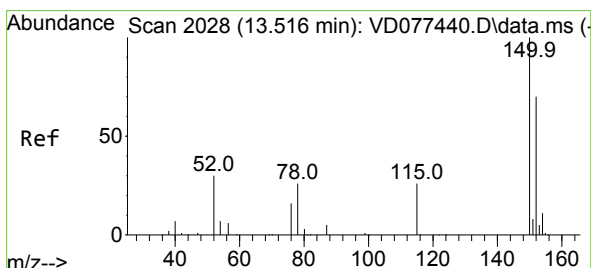
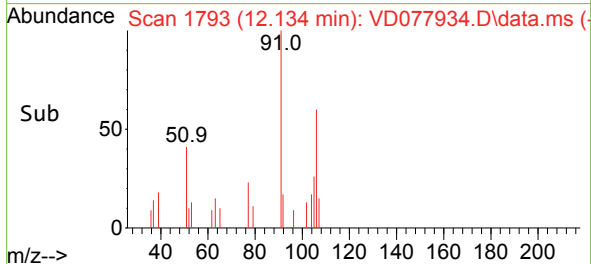
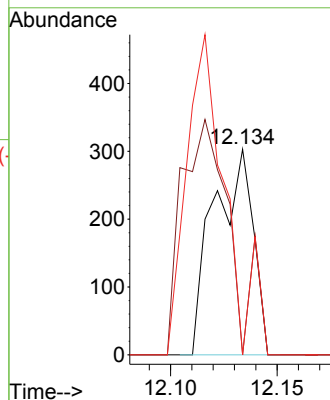
Tgt Ion:104 Resp: 390

Ion Ratio Lower Upper

104 100

78 141.5 33.2 49.8#

103 154.1 43.6 65.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

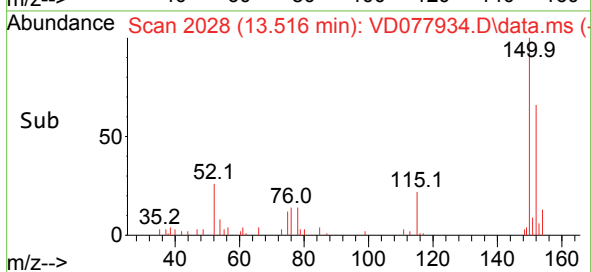
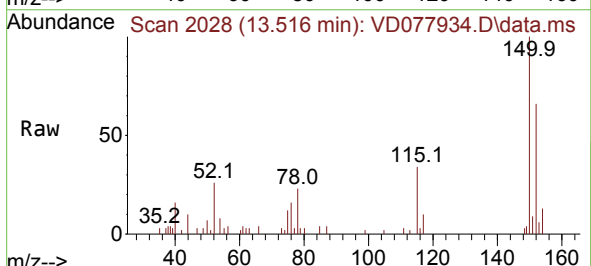
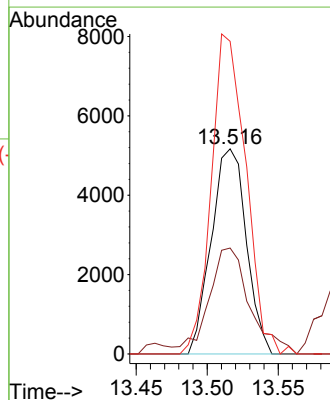
Tgt Ion:152 Resp: 8858

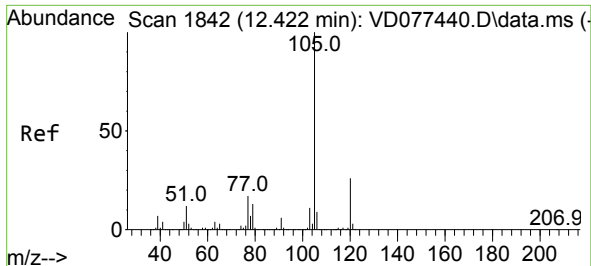
Ion Ratio Lower Upper

152 100

115 60.4 27.1 81.3

150 154.2 0.0 353.6

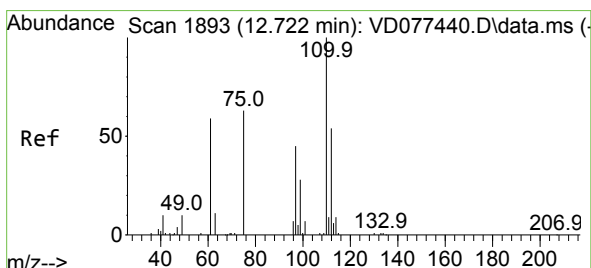
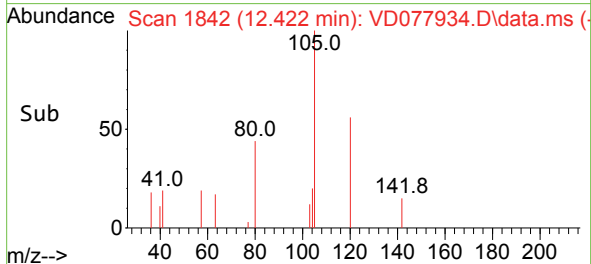
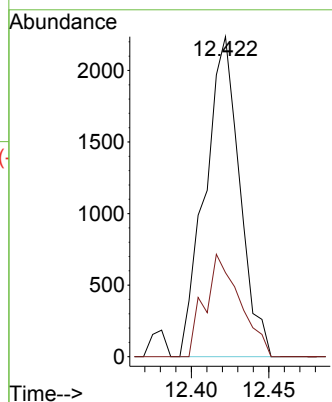
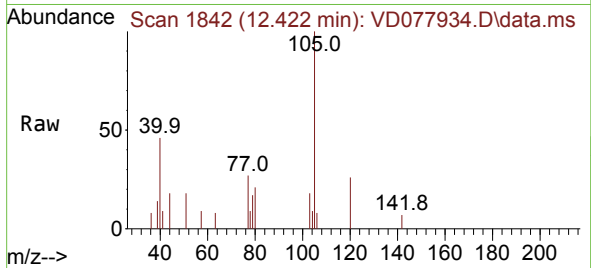




#73
Isopropylbenzene
Concen: 5.169 ug/l
RT: 12.422 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

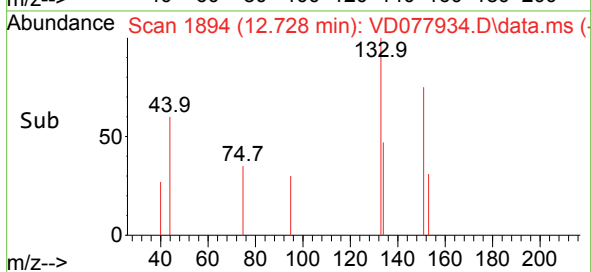
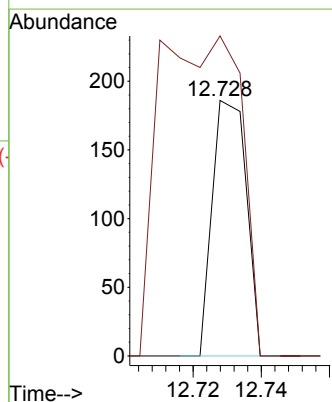
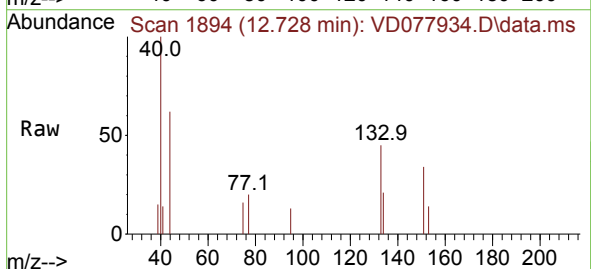
Instrument :
MSVOA_D
ClientSampleId :

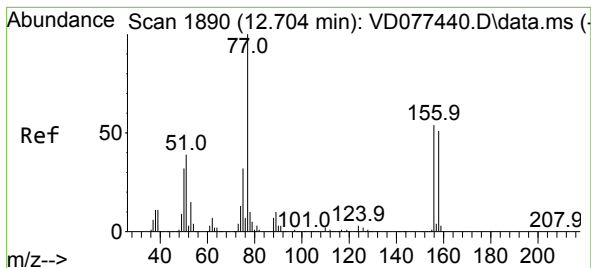
Tgt Ion:105 Resp: 3470
Ion Ratio Lower Upper
105 100
120 32.5 14.3 42.9



#76
1,2,3-Trichloropropane
Concen: 1.664 ug/l
RT: 12.728 min Scan# 1894
Delta R.T. 0.006 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Tgt Ion: 75 Resp: 128
Ion Ratio Lower Upper
75 100
77 302.3 0.0 0.0#





#77

Bromobenzene

Concen: 2.020 ug/l

RT: 12.681 min Scan# 1886

Delta R.T. -0.023 min

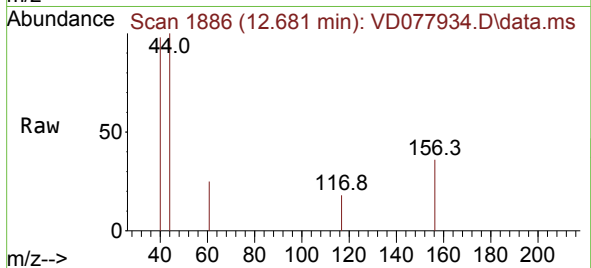
Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

Instrument :

MSVOA_D

ClientSampleId :



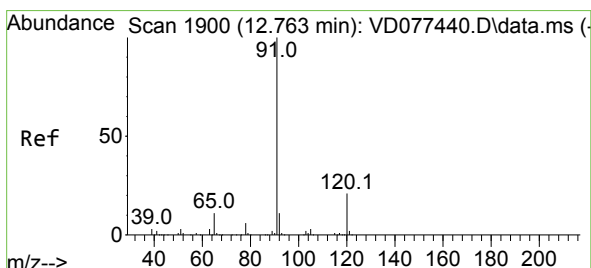
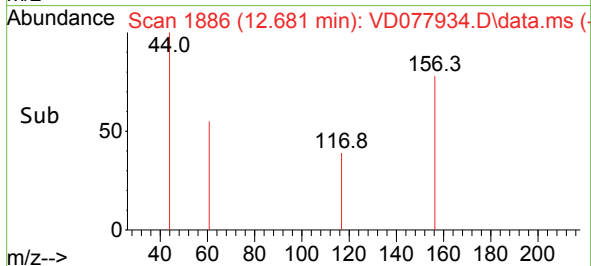
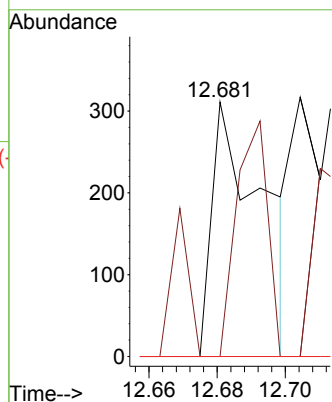
Tgt Ion:156 Resp: 319

Ion Ratio Lower Upper

156 100

77 57.1 76.8 230.4#

158 0.0 48.6 145.9#



#78

n-propylbenzene

Concen: 2.034 ug/l

RT: 12.769 min Scan# 1901

Delta R.T. 0.006 min

Lab File: VD077934.D

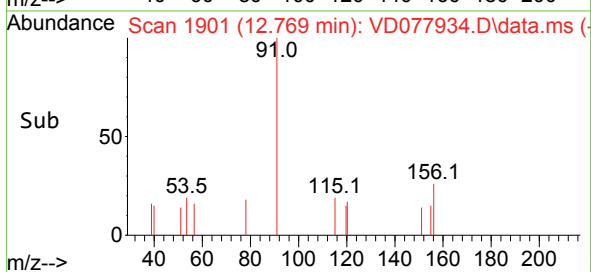
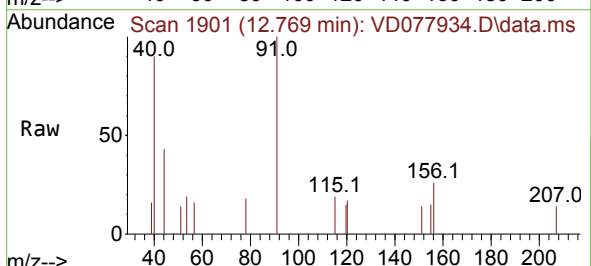
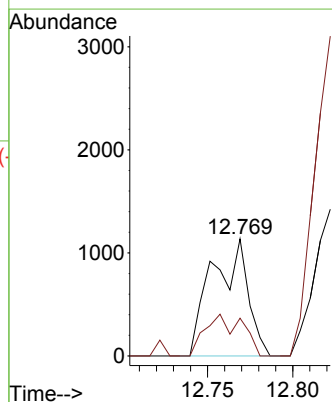
Acq: 16 Dec 2023 15:23

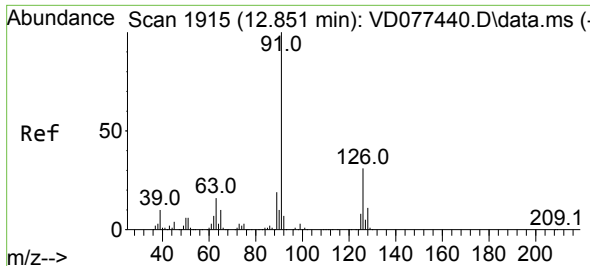
Tgt Ion: 91 Resp: 1664

Ion Ratio Lower Upper

91 100

120 36.5 12.4 37.2

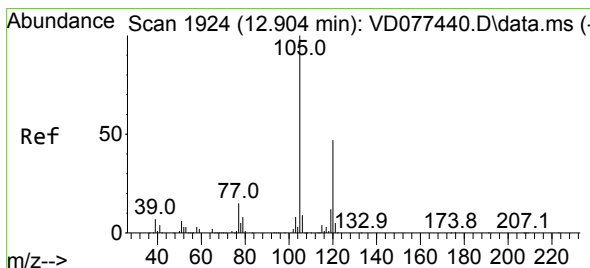
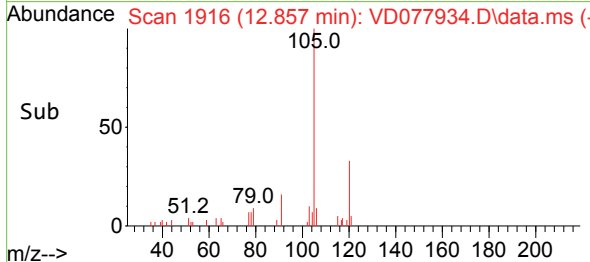
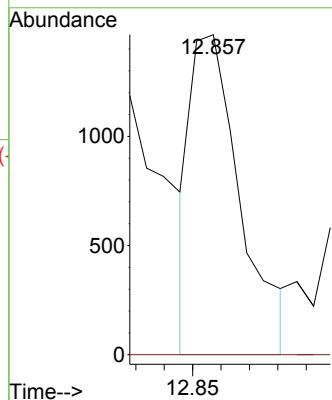
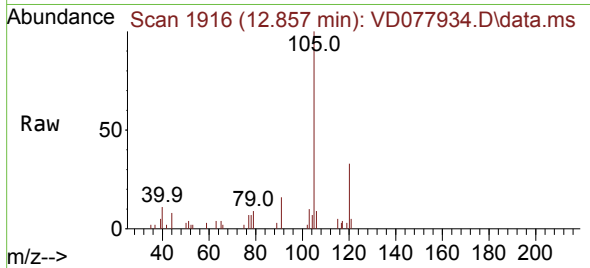




#79
2-Chlorotoluene
Concen: 4.058 ug/l
RT: 12.857 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

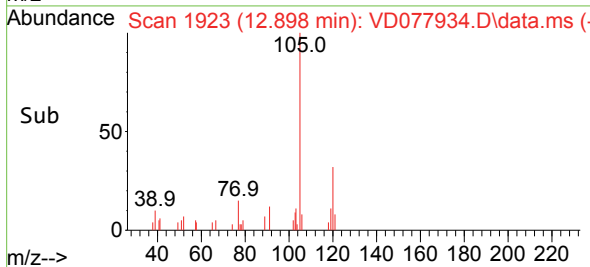
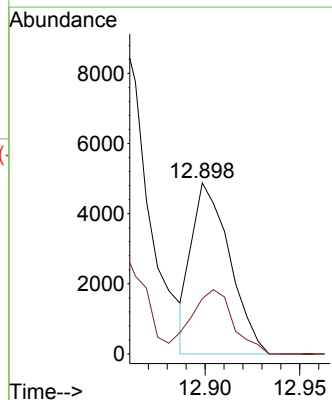
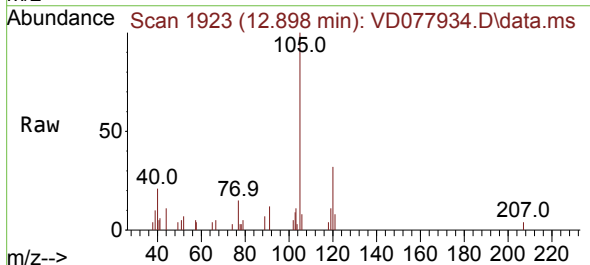
Instrument :
MSVOA_D
ClientSampleId :

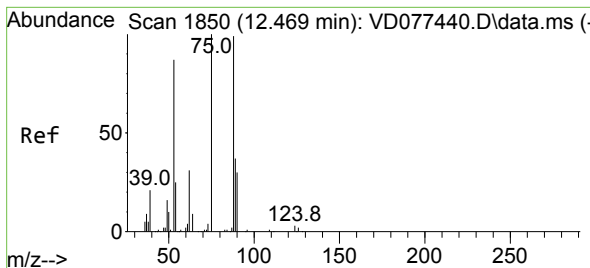
Tgt Ion: 91 Resp: 1779
Ion Ratio Lower Upper
91 100
126 0.0 19.4 58.1#



#80
1,3,5-Trimethylbenzene
Concen: 12.130 ug/l
RT: 12.898 min Scan# 1923
Delta R.T. -0.006 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Tgt Ion: 105 Resp: 6792
Ion Ratio Lower Upper
105 100
120 41.6 26.4 79.2

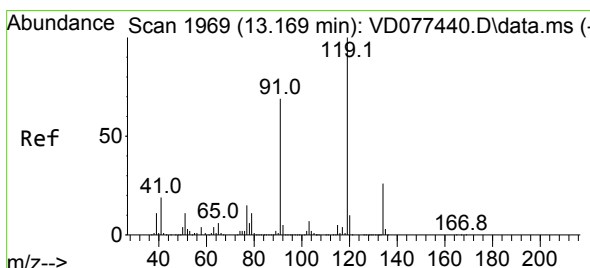
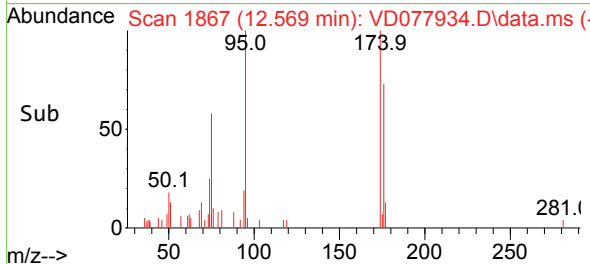
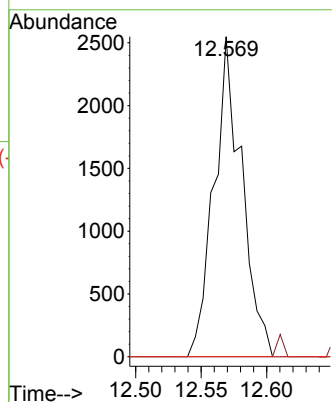
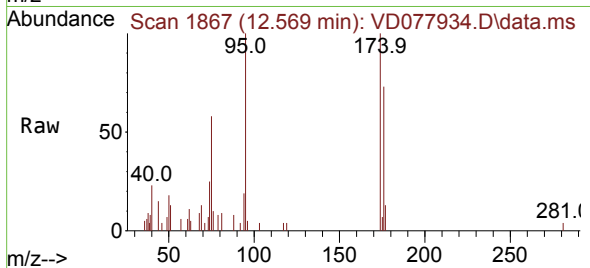




#81
trans-1,4-Dichloro-2-butene
Concen: 98.549 ug/l
RT: 12.569 min Scan# 1850
Delta R.T. 0.100 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

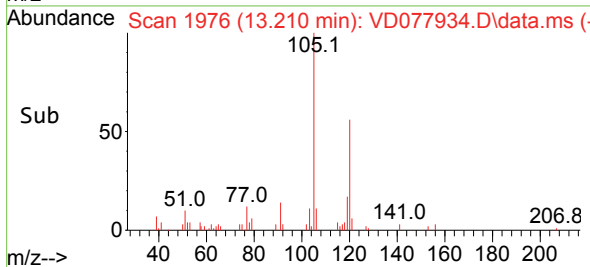
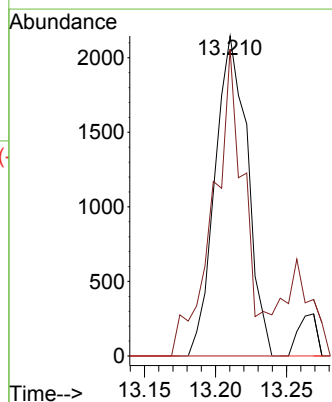
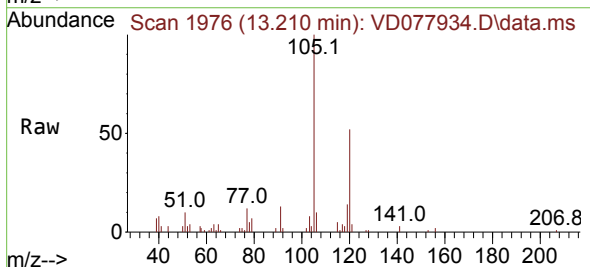
Instrument :
MSVOA_D
ClientSampleId :

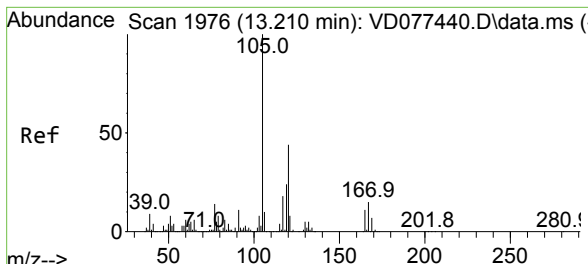
Tgt Ion: 75 Resp: 3742
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#83
tert-Butylbenzene
Concen: 7.228 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.041 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Tgt Ion: 119 Resp: 3417
Ion Ratio Lower Upper
119 100
91 93.6 29.3 87.8#
134 0.0 14.1 42.3#

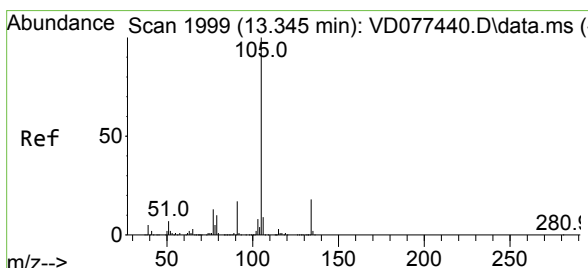
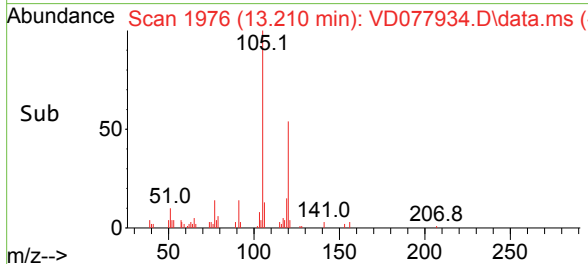
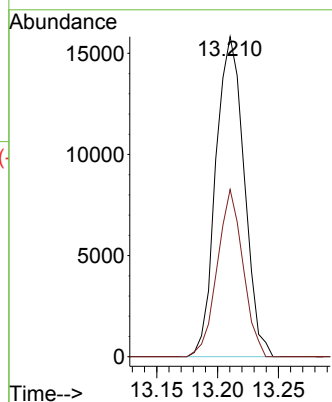
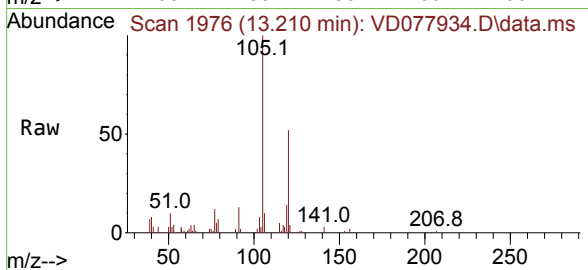




#84
 1,2,4-Trimethylbenzene
 Concen: 45.786 ug/l
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VD077934.D
 Acq: 16 Dec 2023 15:23

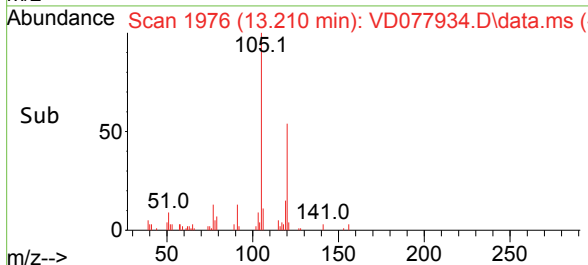
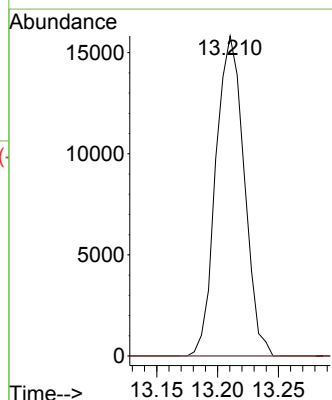
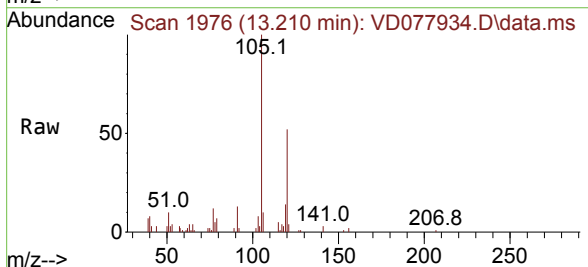
Instrument :
 MSVOA_D
 ClientSampleId :

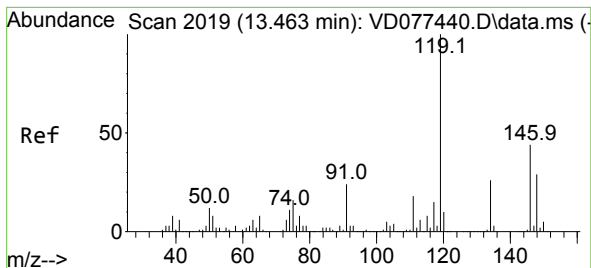
Tgt Ion:105 Resp: 25642
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.3 72.9



#85
 sec-Butylbenzene
 Concen: 36.697 ug/l
 RT: 13.210 min Scan# 1976
 Delta R.T. -0.135 min
 Lab File: VD077934.D
 Acq: 16 Dec 2023 15:23

Tgt Ion:105 Resp: 25642
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.9 32.9#





#86

p-Isopropyltoluene

Concen: 4.642 ug/l

RT: 13.404 min Scan# 2019

Delta R.T. -0.059 min

Lab File: VD077934.D

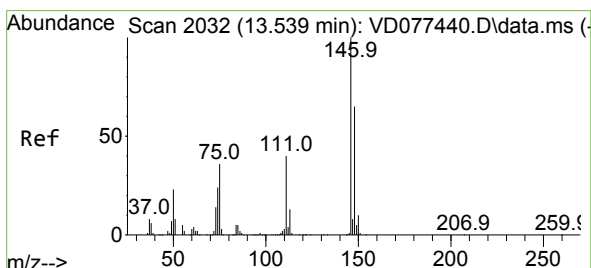
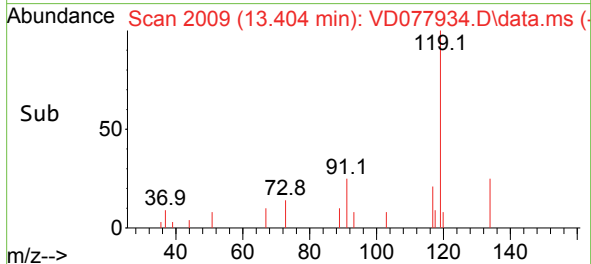
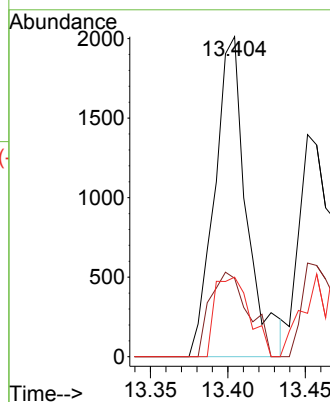
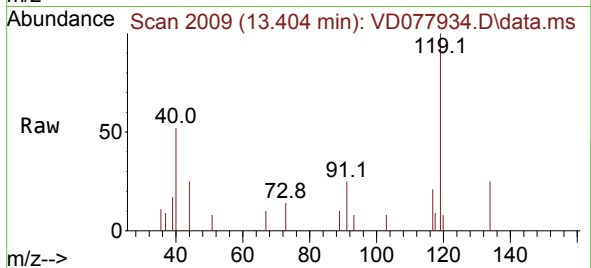
Acq: 16 Dec 2023 15:23

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:119	Resp:	2904
Ion Ratio	Lower	Upper
119	100	
134	31.5	14.2 42.6
91	26.9	10.5 31.5



#88

1,4-Dichlorobenzene

Concen: Below Cal

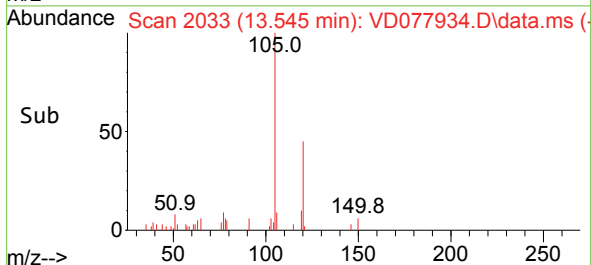
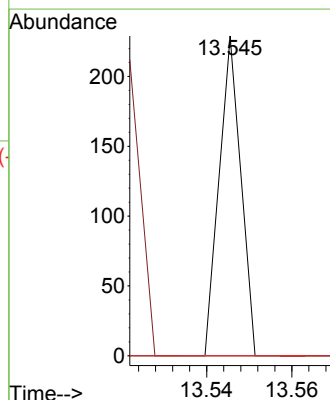
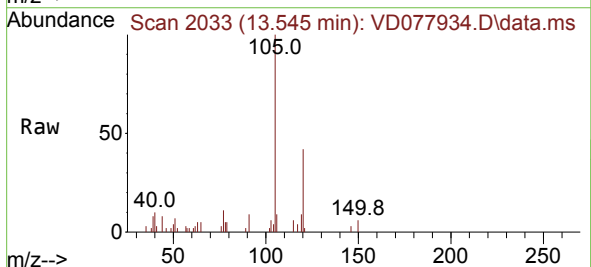
RT: 13.545 min Scan# 2033

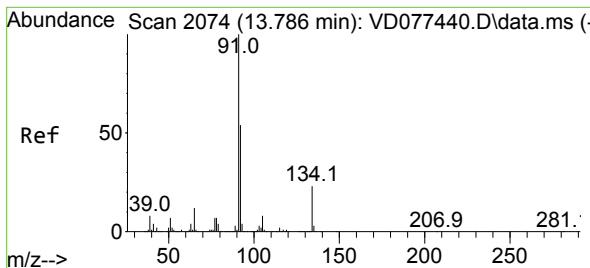
Delta R.T. 0.006 min

Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

Tgt Ion:146	Resp:	81
Ion Ratio	Lower	Upper
146	100	
111	0.0	17.4 52.3#
148	0.0	31.7 95.1#





#89

n-Butylbenzene

Concen: 43.294 ug/l

RT: 13.716 min Scan# 2062

Delta R.T. -0.070 min

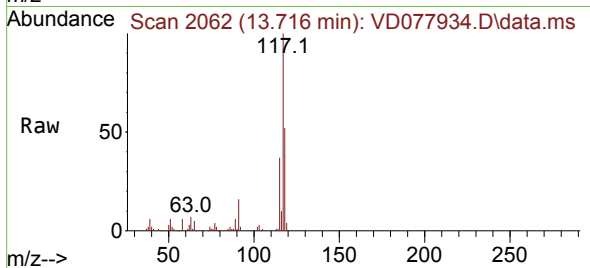
Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

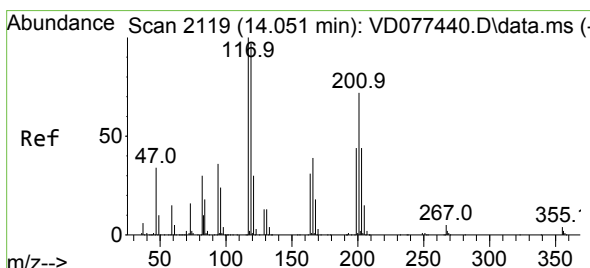
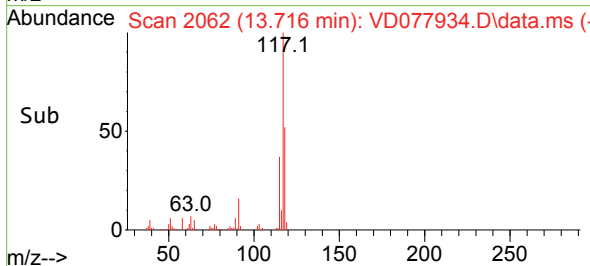
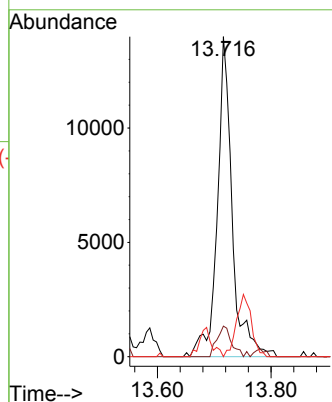
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 91	Resp:	25486
Ion Ratio	Lower	Upper
91	100	
92	9.5	26.5 79.5#
134	0.0	13.8 41.3#



#90

Hexachloroethane

Concen: 19.843 ug/l

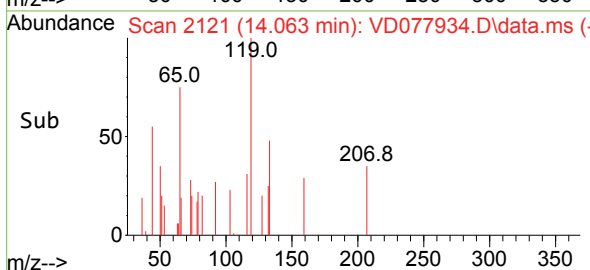
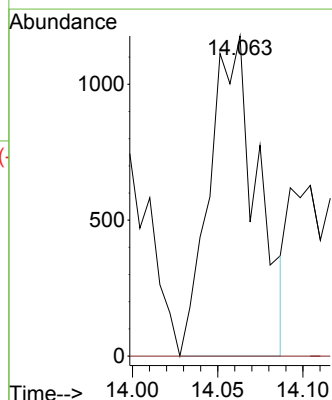
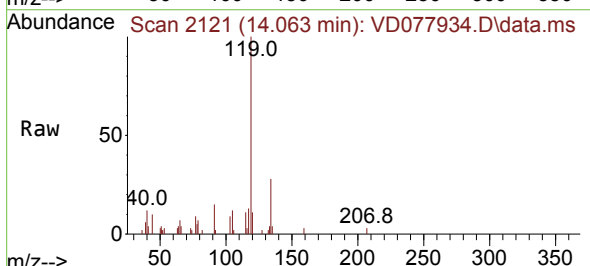
RT: 14.063 min Scan# 2121

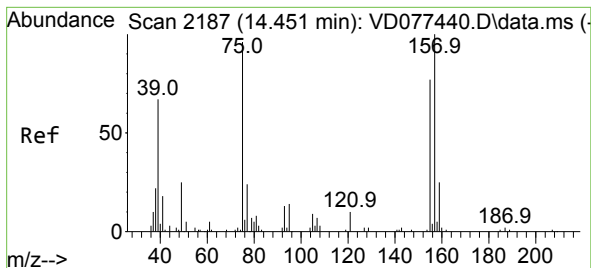
Delta R.T. 0.012 min

Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

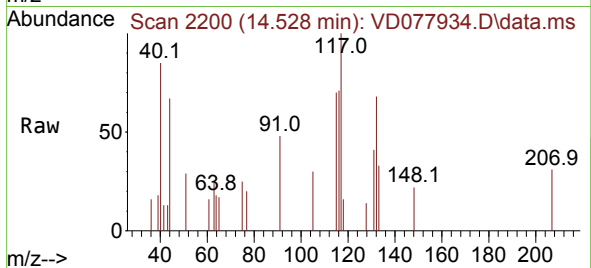
Tgt Ion: 117	Resp:	2283
Ion Ratio	Lower	Upper
117	100	
201	0.0	38.5 115.5#



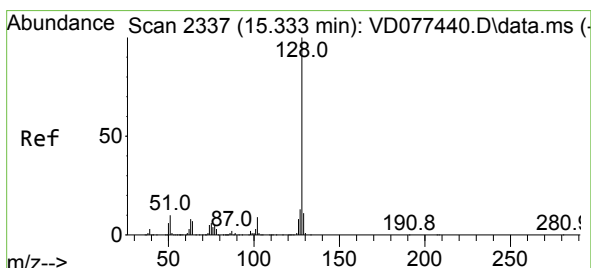
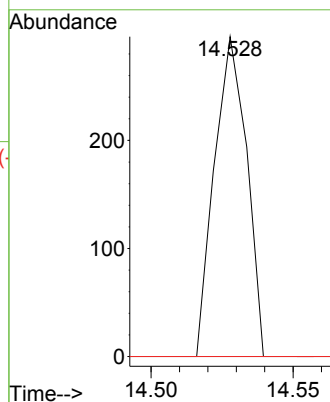
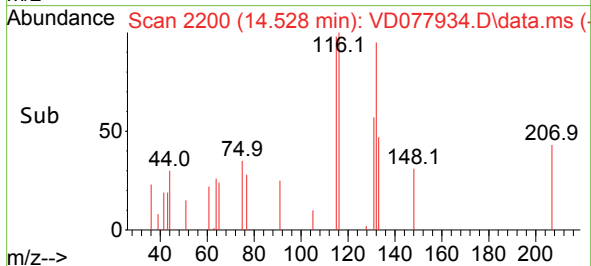


#92
1,2-Dibromo-3-Chloropropane
Concen: 13.076 ug/l
RT: 14.528 min Scan# 2187
Delta R.T. 0.077 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

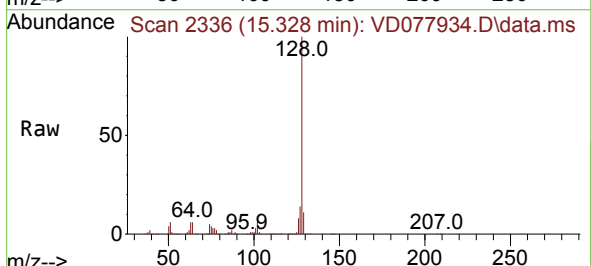
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 234
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#



#95
Naphthalene
Concen: 4282.706 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.005 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23



Tgt Ion: 128 Resp: 1334890
Ion Ratio Lower Upper
128 100
127 13.9 10.5 15.7
129 10.9 8.7 13.1

