

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077816.D
 Acq On : 11 Dec 2023 17:28
 Operator : JC/SY
 Sample : 05661-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-120623

Quant Time: Dec 11 17:51:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

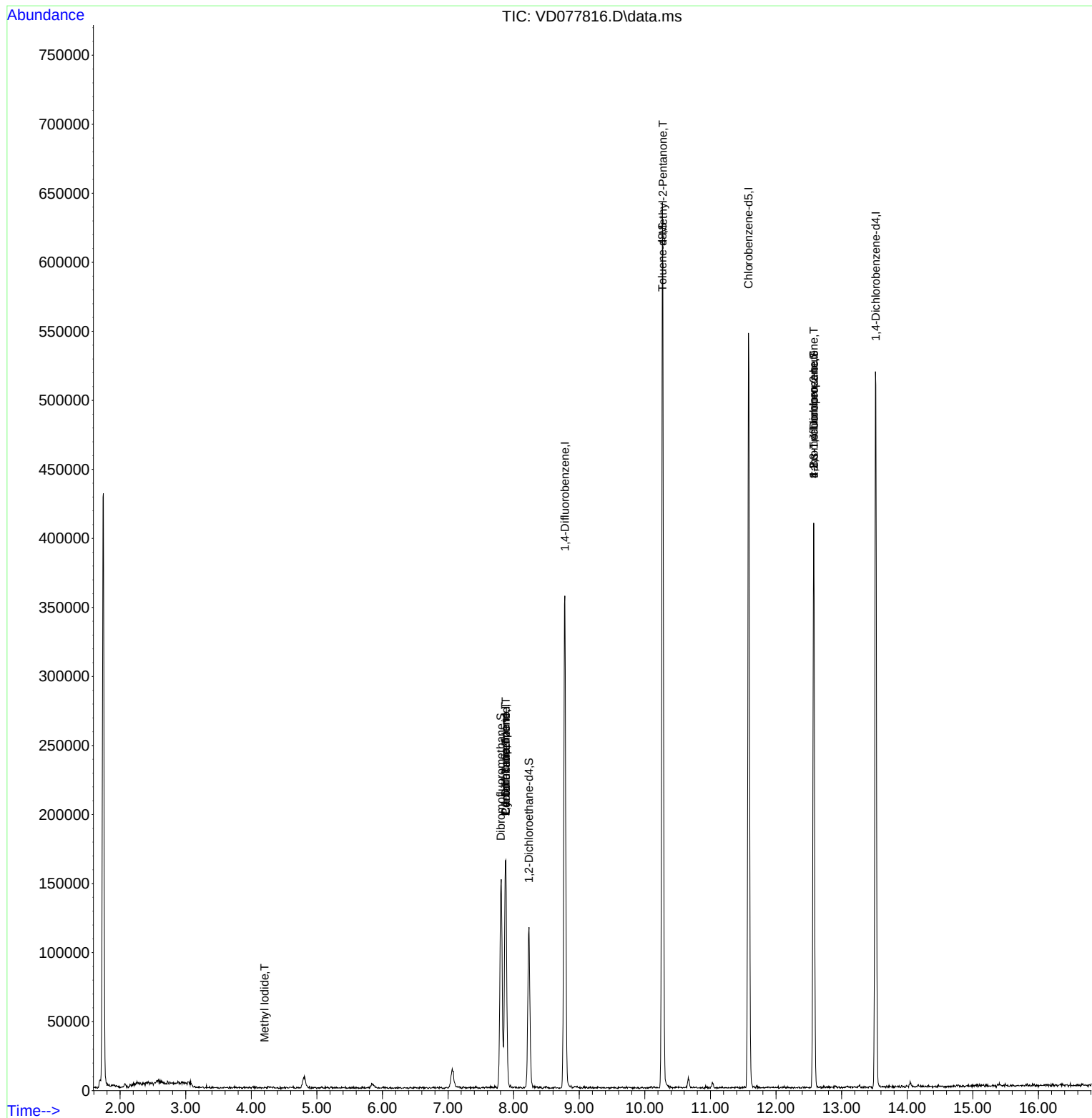
Internal Standards						
1) Pentafluorobenzene	7.881	168	133721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	325749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	318353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	142813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	89949	57.085	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.160%
35) Dibromofluoromethane	7.804	113	108889	47.722	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.440%
50) Toluene-d8	10.269	98	436375	47.750	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.500%
62) 4-Bromofluorobenzene	12.575	95	123210	45.095	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.180%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.205	142	55	6.775	ug/l #	46
11) Tert butyl alcohol	5.052	59	157	Below Cal	#	73
16) Acetone	4.028	43	361	Below Cal	#	32
20) Methylene Chloride	4.793	84	3181	Below Cal	#	79
25) 2-Butanone	7.093	43	439	Below Cal	#	37
31) Cyclohexane	7.881	56	3078	1.098	ug/l #	6
36) 1,1-Dichloropropene	7.875	75	11098	3.041	ug/l #	49
38) Carbon Tetrachloride	7.881	117	12607	3.465	ug/l #	14
51) 4-Methyl-2-Pentanone	10.275	43	1868	1.447	ug/l #	1
65) Chlorobenzene	11.610	112	208	Below Cal	#	51
76) 1,2,3-Trichloropropane	12.575	75	65057	52.451	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	65057	106.269	ug/l #	17
88) 1,4-Dichlorobenzene	13.522	146	421	Below Cal	#	1

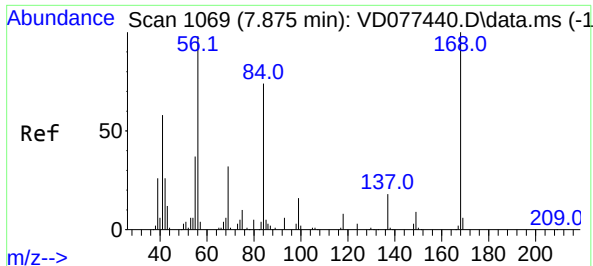
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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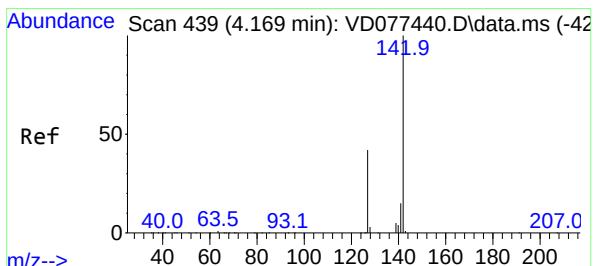
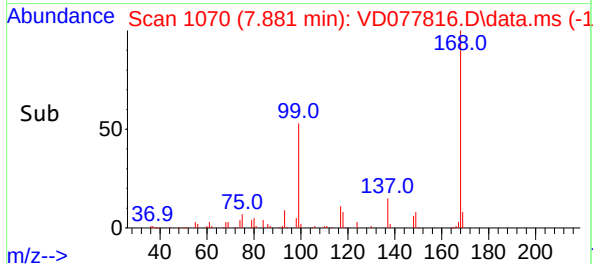
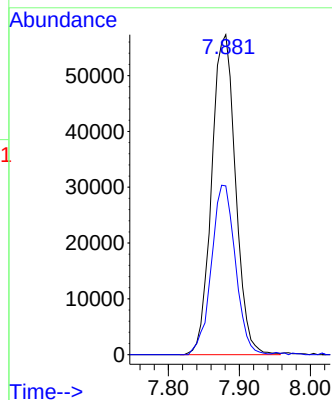
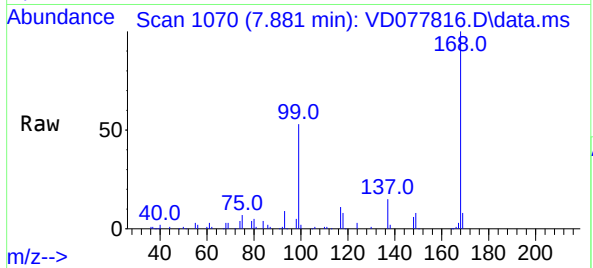




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

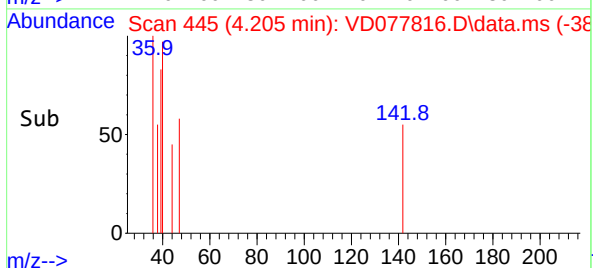
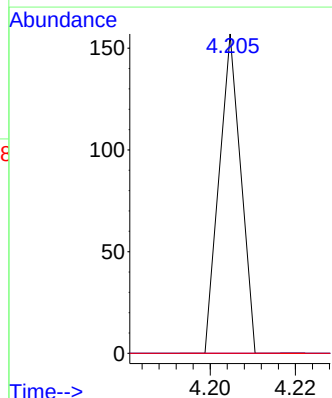
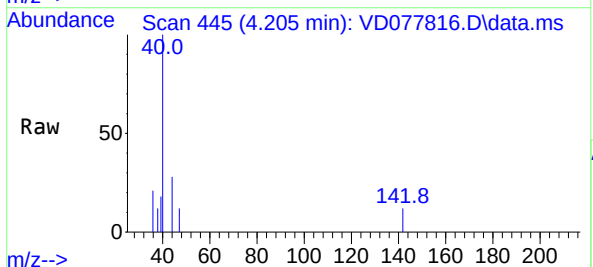
Instrument :
MSVOA_D
ClientSampleId :
OK-01-120623

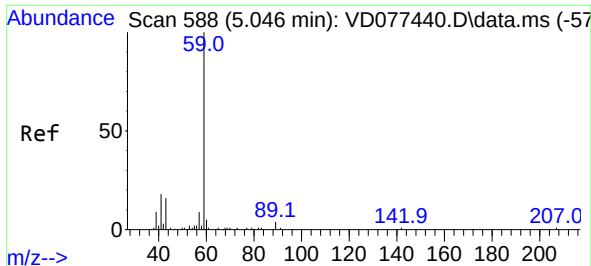
Tgt Ion:168 Resp: 133721
Ion Ratio Lower Upper
168 100
99 52.8 36.7 55.1



#10
Methyl Iodide
Concen: 6.775 ug/l
RT: 4.205 min Scan# 445
Delta R.T. 0.036 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.052 min Scan# 51

Delta R.T. 0.006 min

Lab File: VD077816.D

Acq: 11 Dec 2023 17:28

Instrument :

MSVOA_D

ClientSampleId :

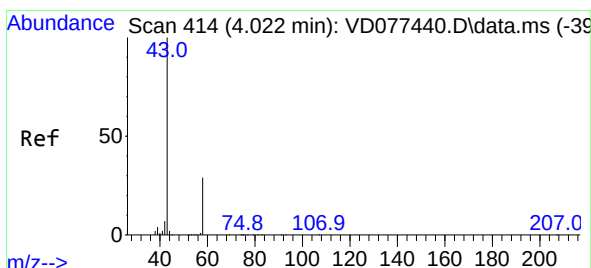
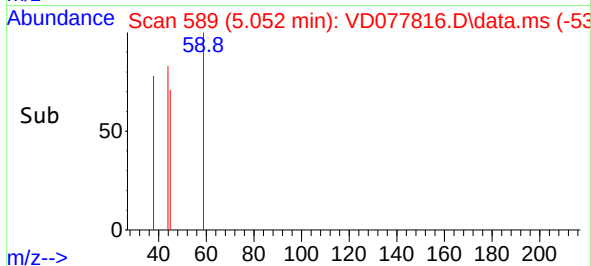
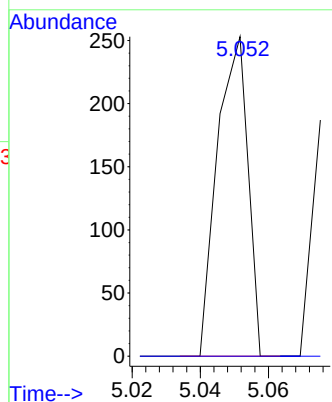
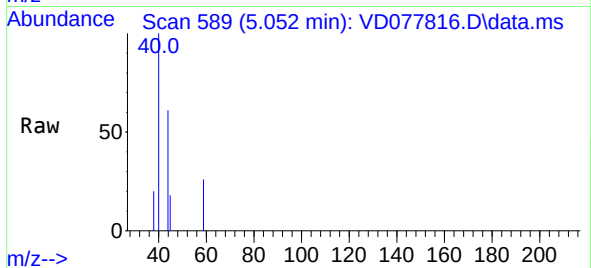
OK-01-120623

Tgt Ion: 59 Resp: 157

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD077816.D

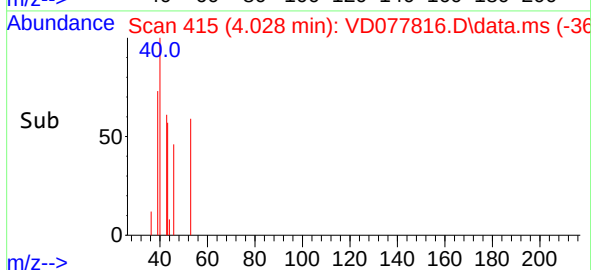
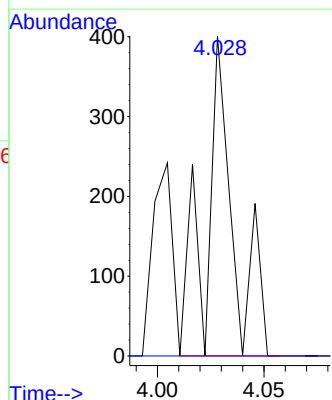
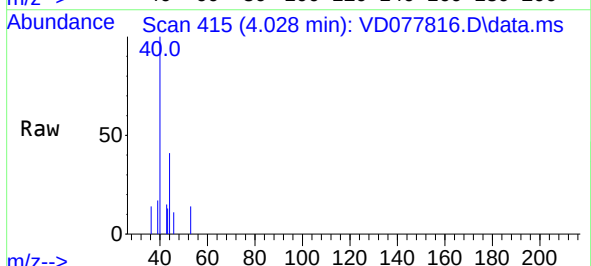
Acq: 11 Dec 2023 17:28

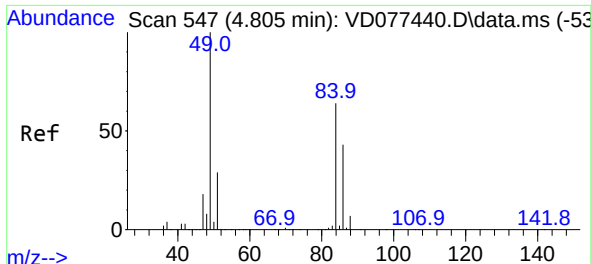
Tgt Ion: 43 Resp: 361

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



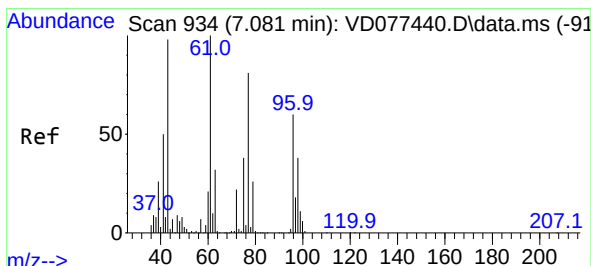
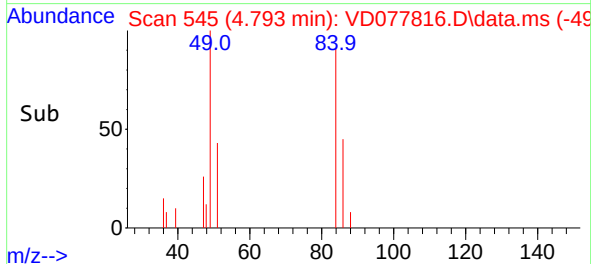
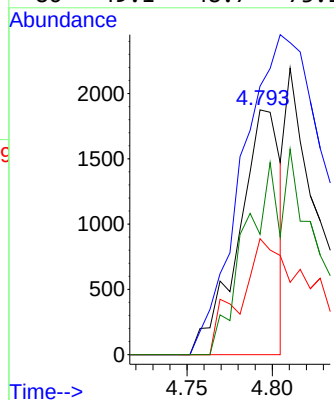
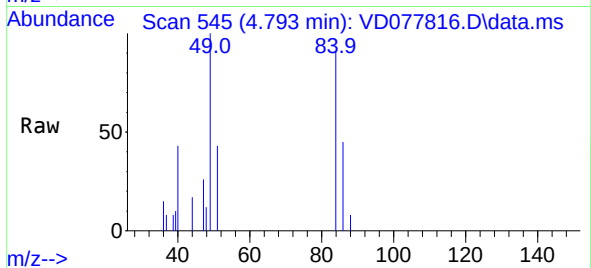


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 547
Delta R.T. -0.012 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

Instrument :
MSVOA_D
ClientSampleId :
OK-01-120623

Tgt Ion: 84 Resp: 3181

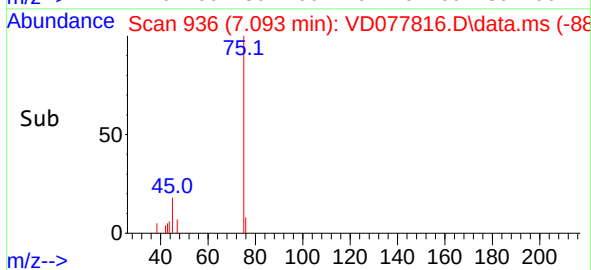
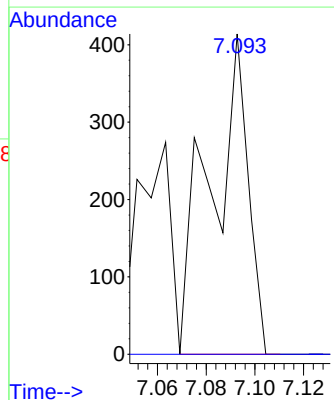
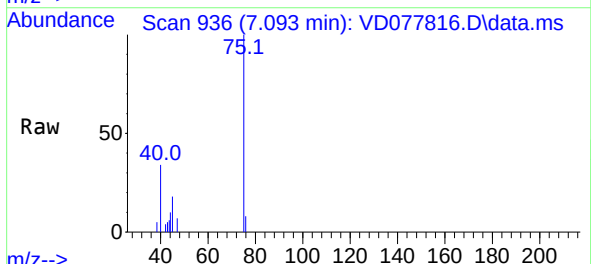
Ion	Ratio	Lower	Upper
84	100		
49	109.7	71.4	107.2#
51	47.4	24.5	36.7#
86	49.1	48.7	73.1

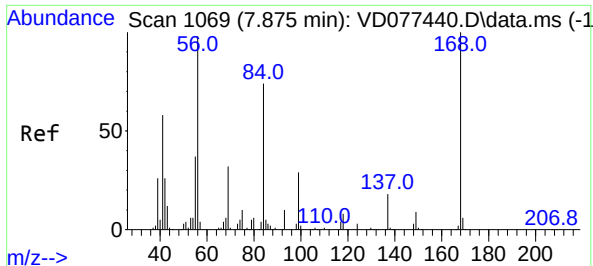


#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

Tgt Ion: 43 Resp: 439

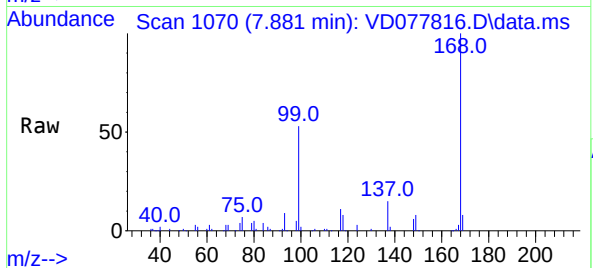
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#



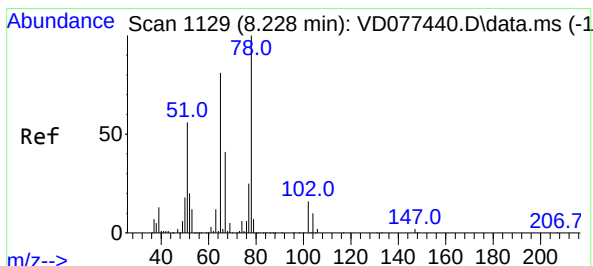
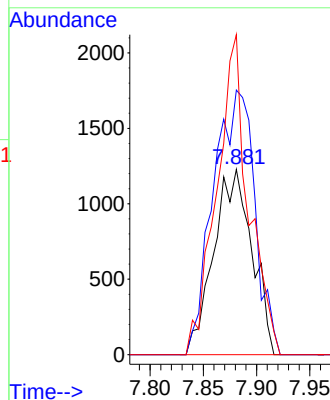
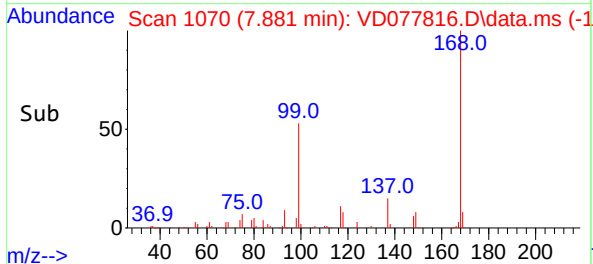


#31
Cyclohexane
Concen: 1.098 ug/l
RT: 7.881 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

Instrument :
MSVOA_D
ClientSampleId :
OK-01-120623

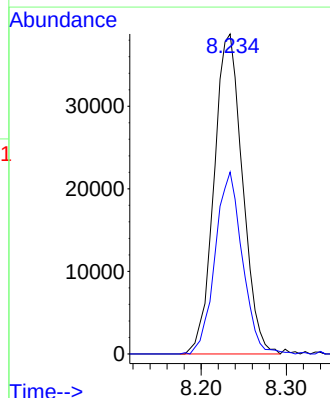
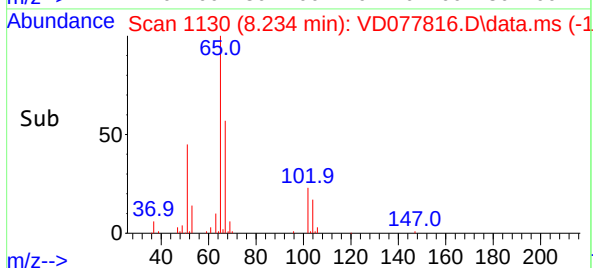
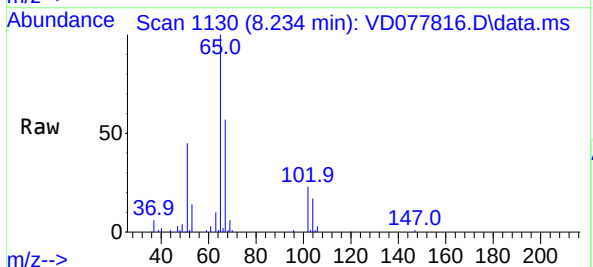


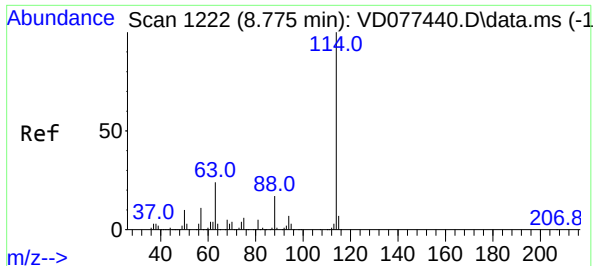
Tgt Ion: 56 Resp: 3078
Ion Ratio Lower Upper
56 100
69 142.8 28.6 43.0#
84 172.7 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 57.085 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

Tgt Ion: 65 Resp: 89949
Ion Ratio Lower Upper
65 100
67 54.4 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077816.D

Acq: 11 Dec 2023 17:28

Instrument :

MSVOA_D

ClientSampleId :

OK-01-120623

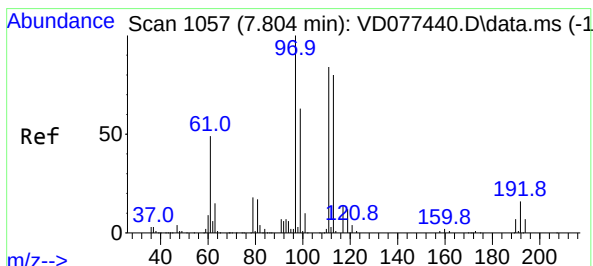
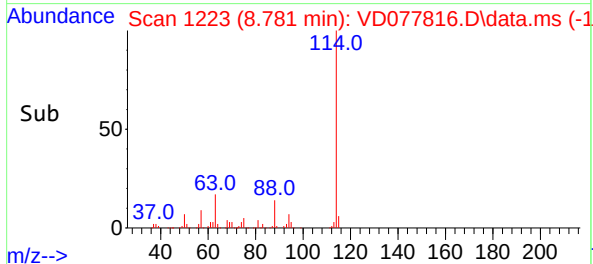
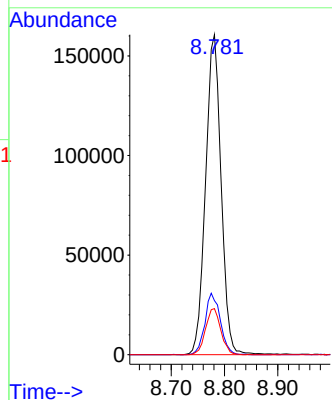
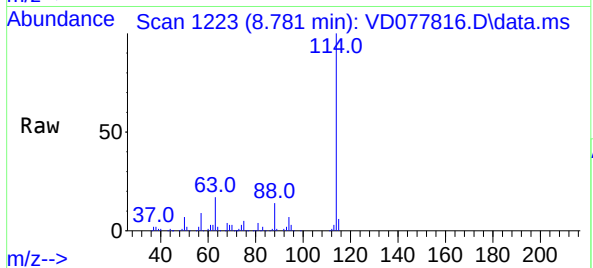
Tgt Ion:114 Resp: 325749

Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.4

88 14.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.722 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077816.D

Acq: 11 Dec 2023 17:28

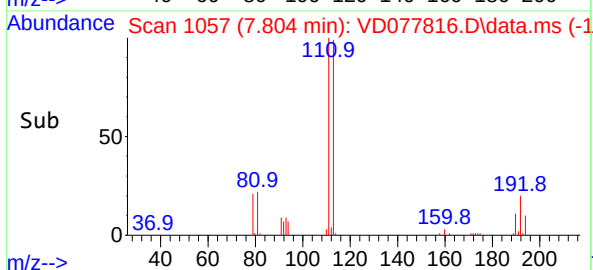
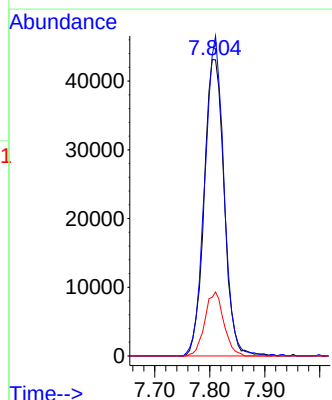
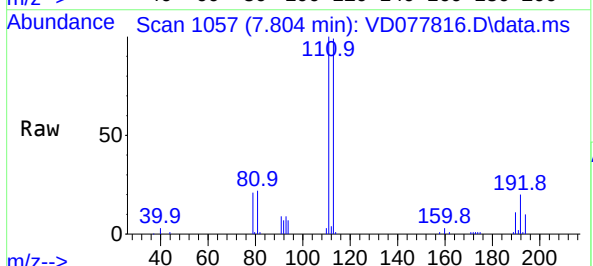
Tgt Ion:113 Resp: 108889

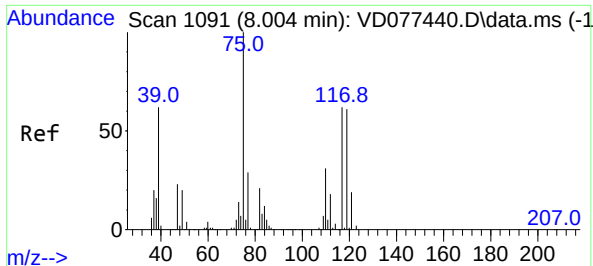
Ion Ratio Lower Upper

113 100

111 103.1 84.7 127.1

192 20.5 16.8 25.2

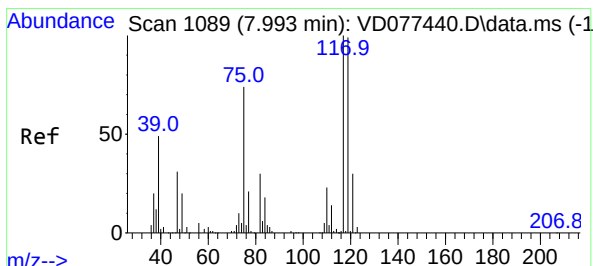
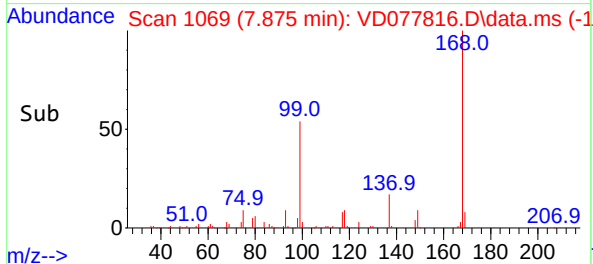
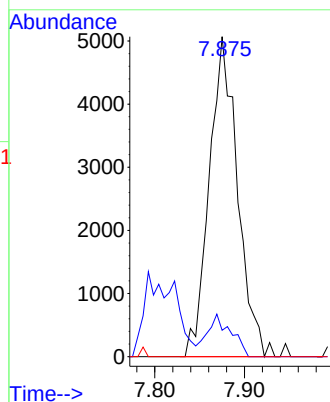
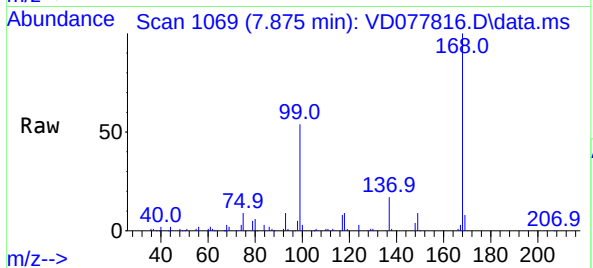




#36
1,1-Dichloropropene
Concen: 3.041 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

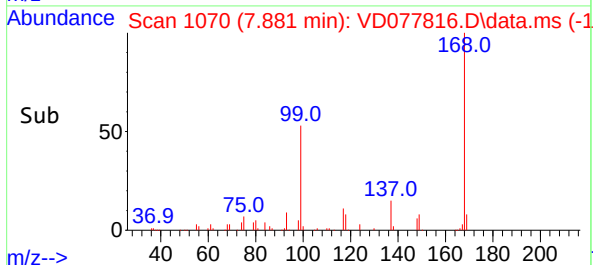
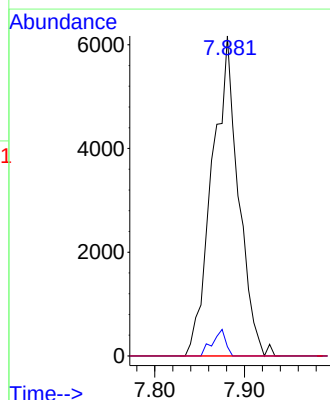
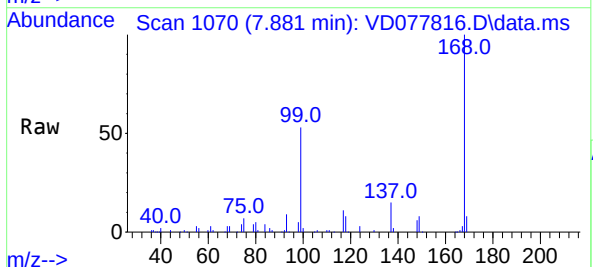
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MSVOA_D
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OK-01-120623

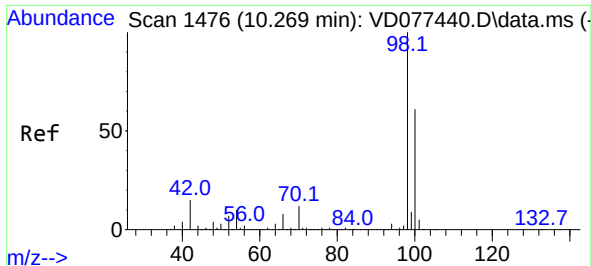
Tgt Ion: 75 Resp: 11098
Ion Ratio Lower Upper
75 100
110 11.1 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 3.465 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

Tgt Ion: 117 Resp: 12607
Ion Ratio Lower Upper
117 100
119 2.9 78.0 117.0#
121 0.0 24.2 36.2#

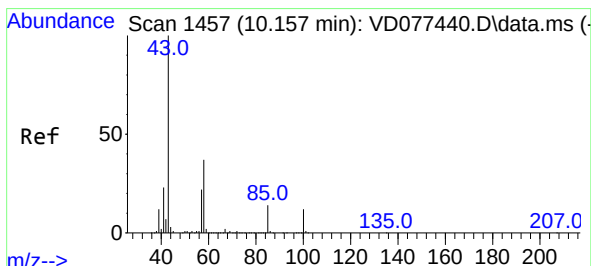
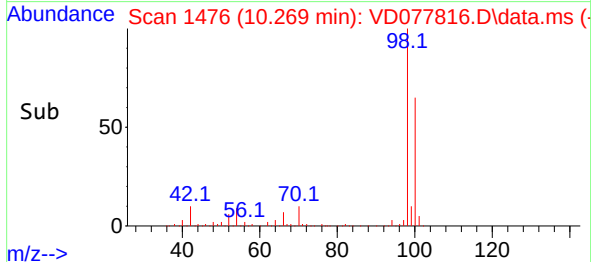
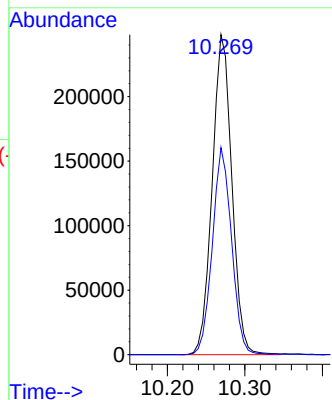
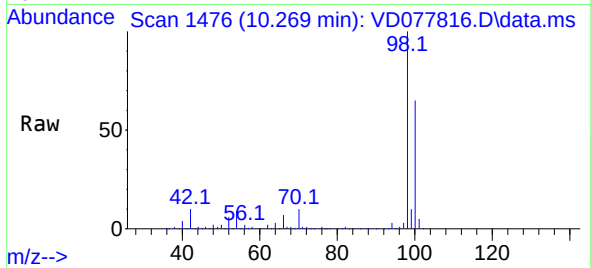




#50
Toluene-d8
Concen: 47.750 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

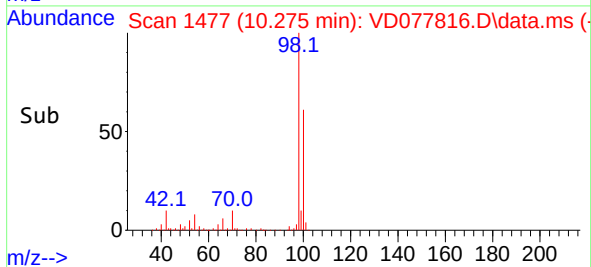
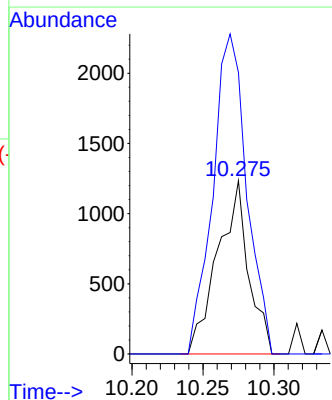
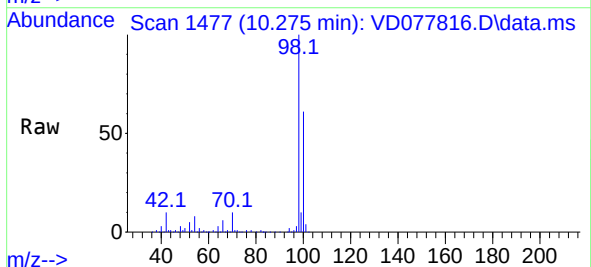
Instrument :
MSVOA_D
ClientSampleId :
OK-01-120623

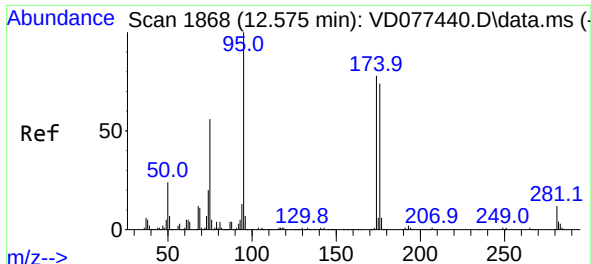
Tgt Ion: 98 Resp: 436375
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.447 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

Tgt Ion: 43 Resp: 1868
Ion Ratio Lower Upper
43 100
58 203.1 38.9 58.3#

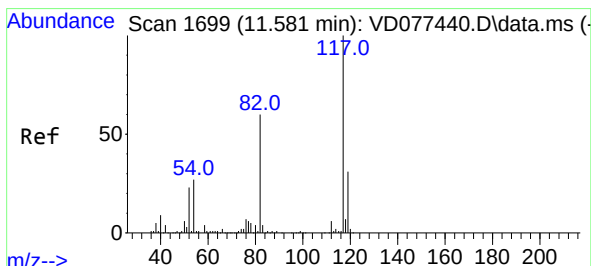
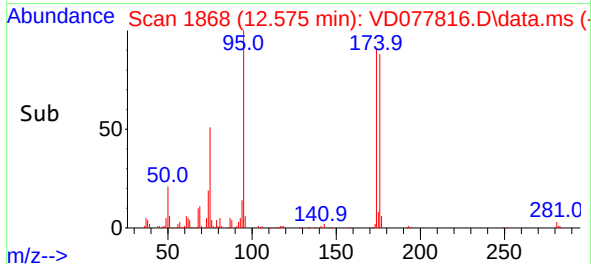
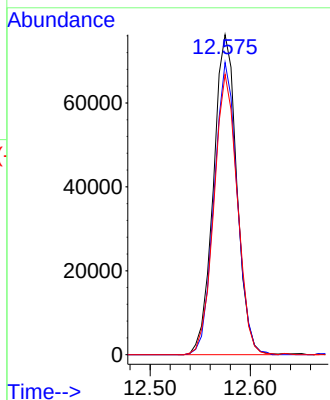
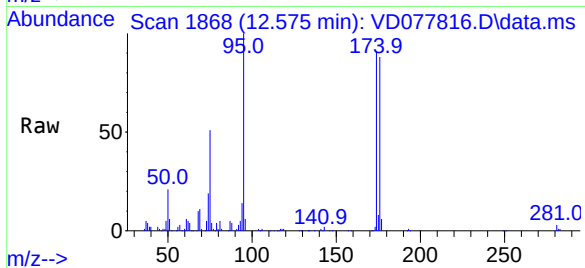




#62
4-Bromofluorobenzene
Concen: 45.095 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

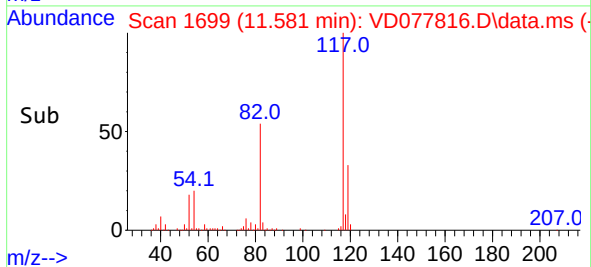
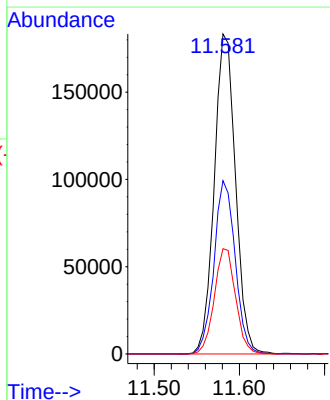
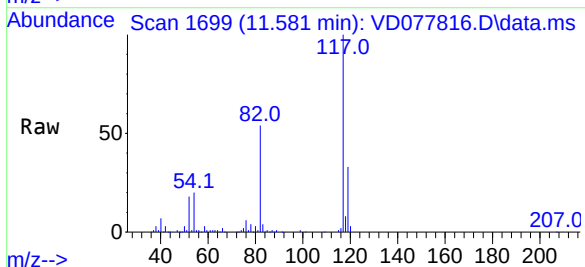
Instrument :
MSVOA_D
ClientSampleId :
OK-01-120623

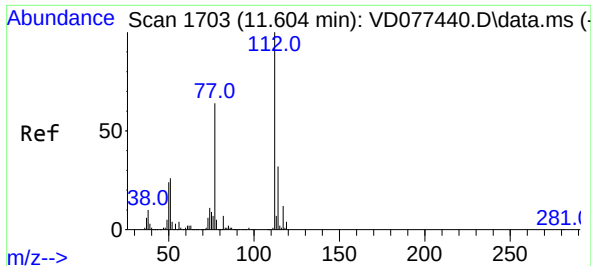
Tgt Ion: 95 Resp: 123210
Ion Ratio Lower Upper
95 100
174 90.0 0.0 201.8
176 87.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

Tgt Ion: 117 Resp: 318353
Ion Ratio Lower Upper
117 100
82 54.2 38.3 57.5
119 32.9 25.0 37.4

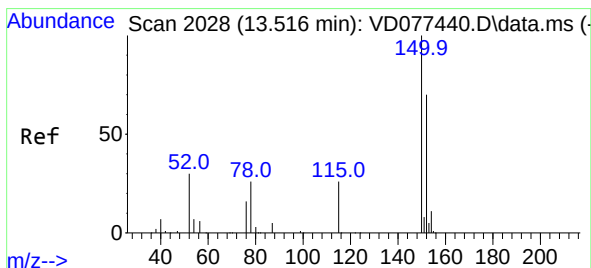
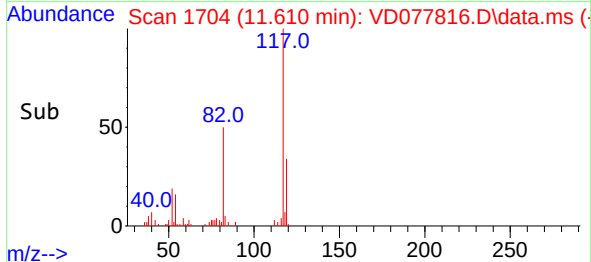
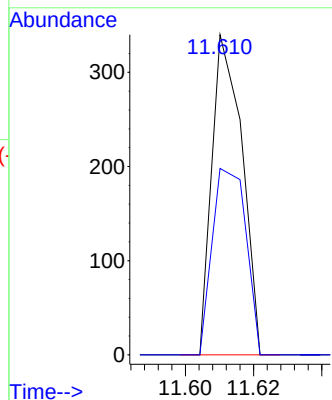
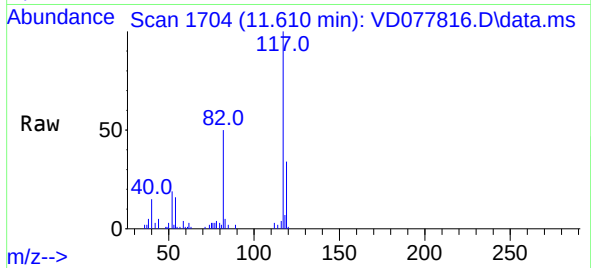




#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

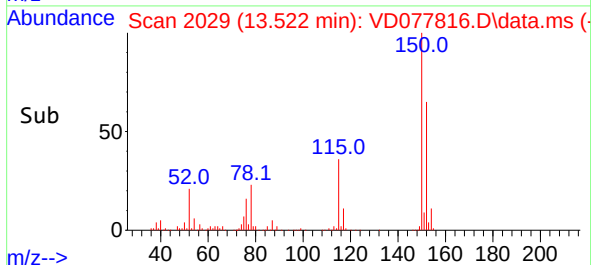
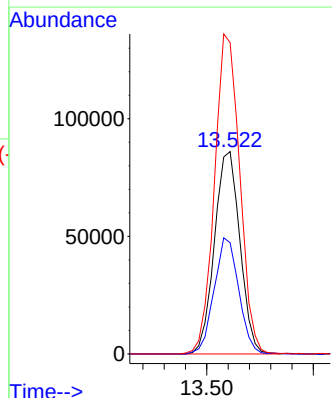
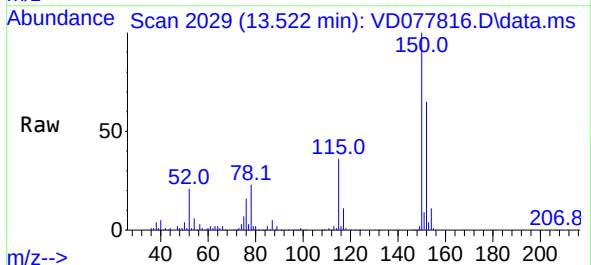
Instrument :
MSVOA_D
ClientSampleId :
OK-01-120623

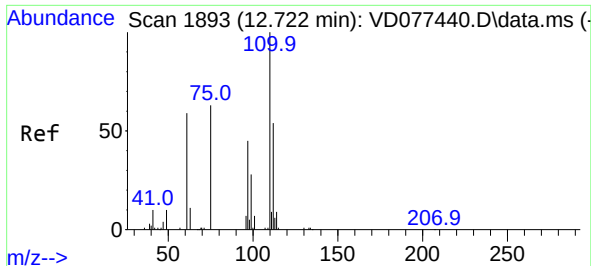
Tgt Ion:112 Resp: 208
Ion Ratio Lower Upper
112 100
114 58.2 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

Tgt Ion:152 Resp: 142813
Ion Ratio Lower Upper
152 100
115 55.7 27.1 81.3
150 156.8 0.0 353.6

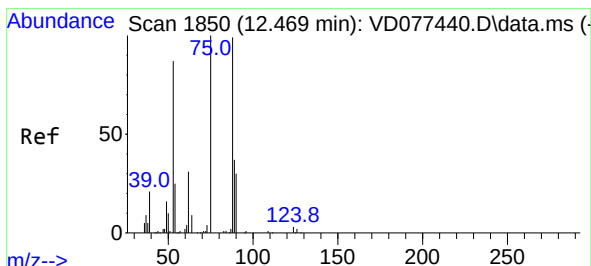
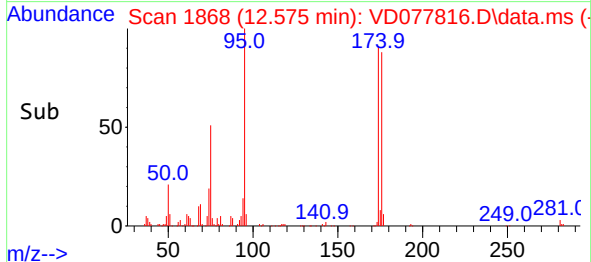
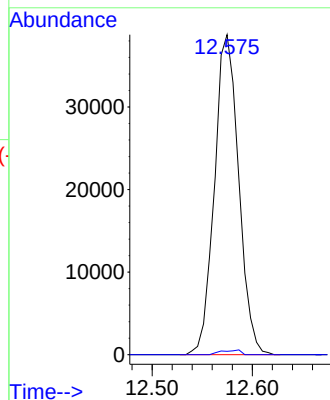
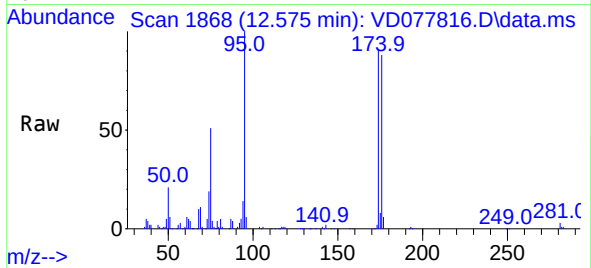




#76
1,2,3-Trichloropropane
Concen: 52.451 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

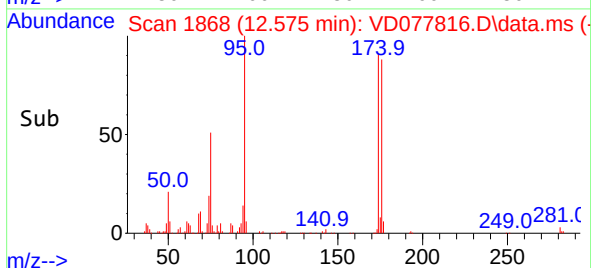
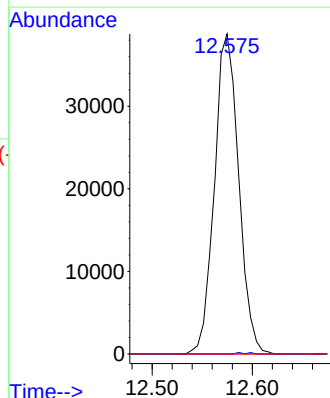
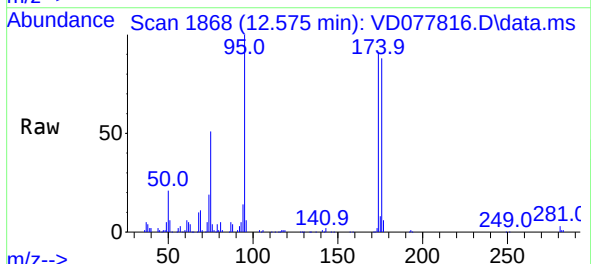
Instrument :
MSVOA_D
ClientSampleId :
OK-01-120623

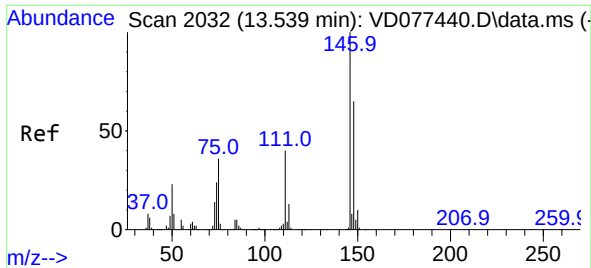
Tgt Ion: 75 Resp: 65057
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.269 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077816.D
Acq: 11 Dec 2023 17:28

Tgt Ion: 75 Resp: 65057
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.0 37.9 56.9#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.522 min Scan# 20

Delta R.T. -0.017 min

Lab File: VD077816.D

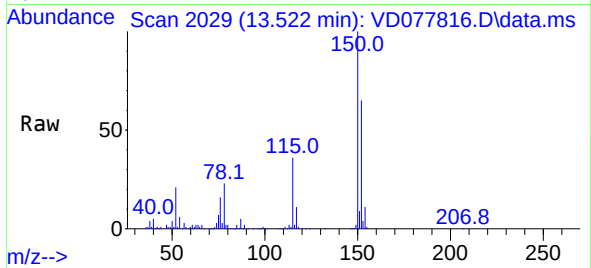
Acq: 11 Dec 2023 17:28

Instrument :

MSVOA_D

ClientSampleId :

OK-01-120623



Tgt Ion:146 Resp: 421

Ion Ratio Lower Upper

146 100

111 632.1 17.4 52.3#

148 270.8 31.7 95.1#

