

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077981.D
 Acq On : 19 Dec 2023 18:27
 Operator : RP/MD
 Sample : 05765-03
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 02:08:18 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)

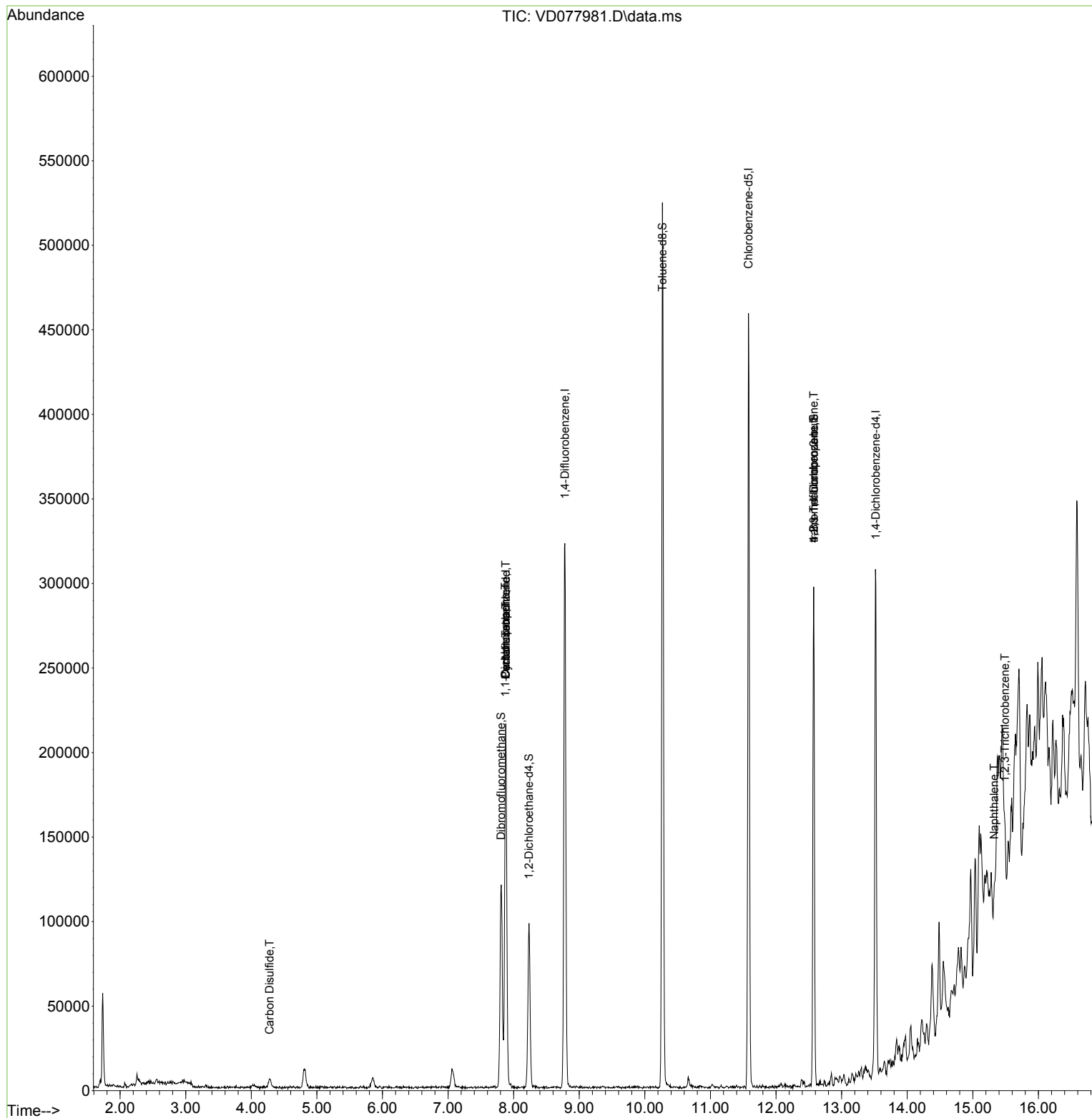
Internal Standards						
1) Pentafluorobenzene	7.881	168	162698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	298858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	257210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	82204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75685	39.478	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.960%
35) Dibromofluoromethane	7.810	113	87261	41.684	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.360%
50) Toluene-d8	10.269	98	368191	43.914	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.820%
62) 4-Bromofluorobenzene	12.575	95	87584	34.940	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.880%
Target Compounds						Qvalue
11) Tert butyl alcohol	5.058	59	84	Below Cal	#	1
16) Acetone	4.034	43	3188	Below Cal		92
17) Carbon Disulfide	4.281	76	11522	1.741	ug/l #	95
20) Methylene Chloride	4.810	84	8117	Below Cal	#	85
25) 2-Butanone	7.075	43	636	Below Cal	#	37
31) Cyclohexane	7.881	56	4060	1.191	ug/l #	12
36) 1,1-Dichloropropene	7.875	75	13474	4.024	ug/l #	47
38) Carbon Tetrachloride	7.881	117	17120	5.128	ug/l #	14
65) Chlorobenzene	11.592	112	60	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	47076	65.938	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	47076	133.594	ug/l #	18
88) 1,4-Dichlorobenzene	13.528	146	71	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.498	75	55	Below Cal	#	38
95) Naphthalene	15.328	128	10325	3.569	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.492	180	2053	1.430	ug/l #	22

(#) = 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: VD077981.D

Acq: 19 Dec 2023 18:27

Instrument :

MSVOA_D

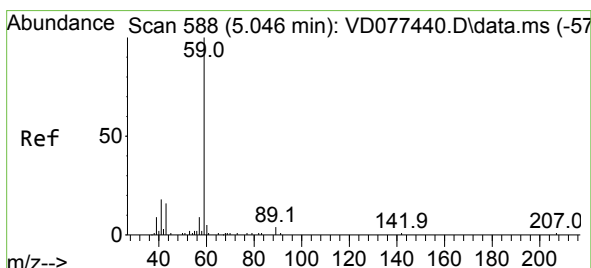
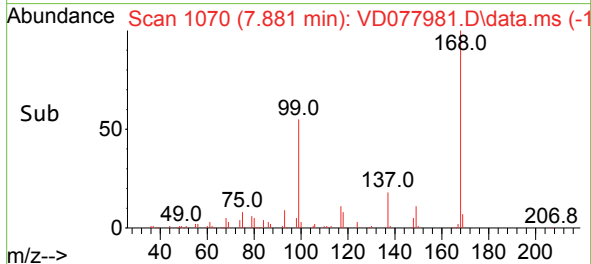
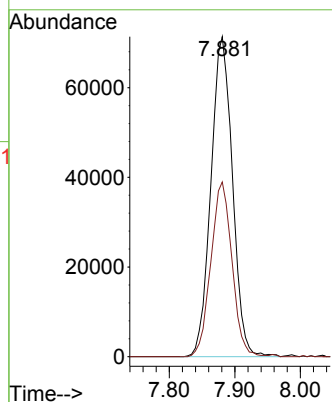
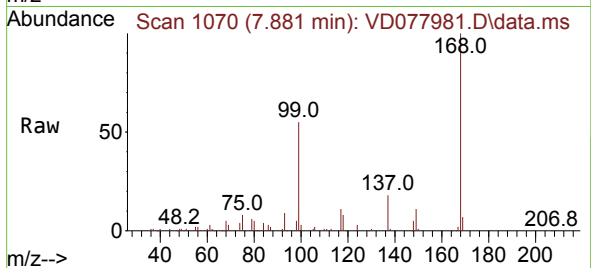
ClientSampleId :

Tgt Ion:168 Resp: 162698

Ion Ratio Lower Upper

168 100

99 54.6 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.058 min Scan# 590

Delta R.T. 0.012 min

Lab File: VD077981.D

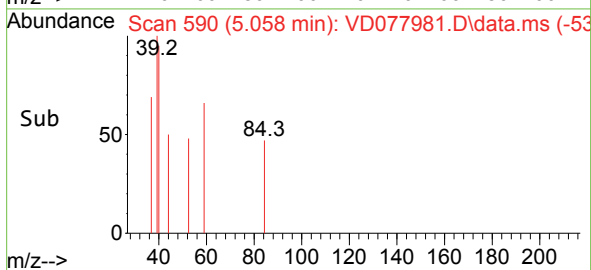
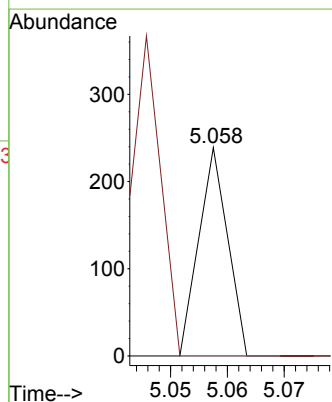
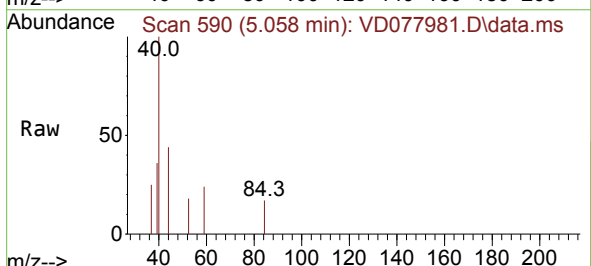
Acq: 19 Dec 2023 18:27

Tgt Ion: 59 Resp: 84

Ion Ratio Lower Upper

59 100

57 154.8 7.8 11.8#

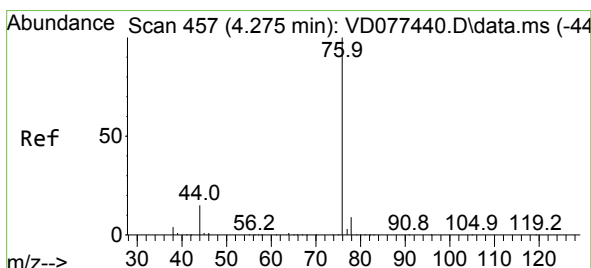
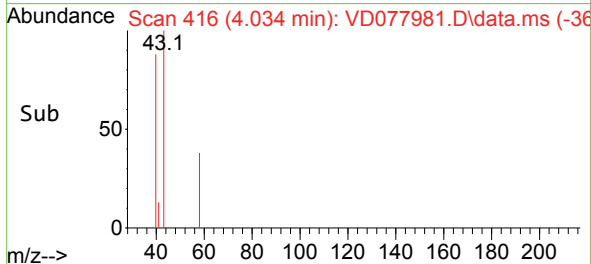
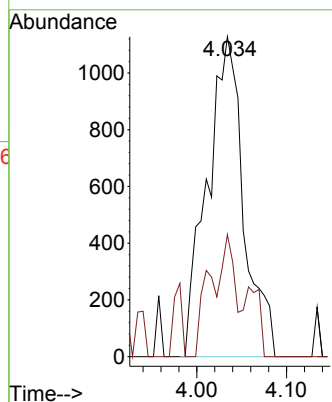
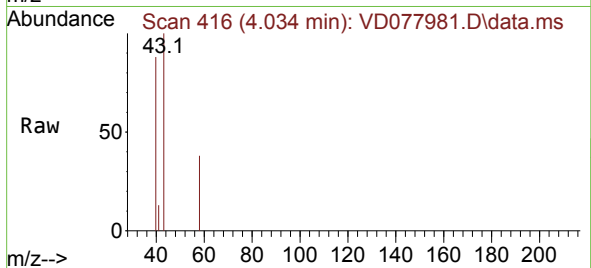




#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD077981.D
Acq: 19 Dec 2023 18:27

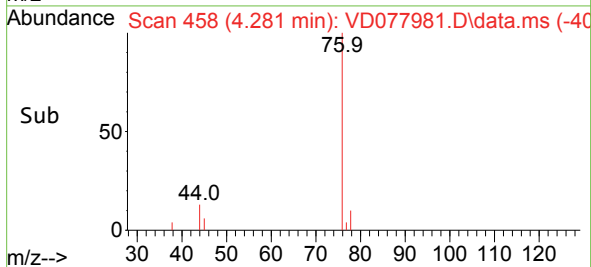
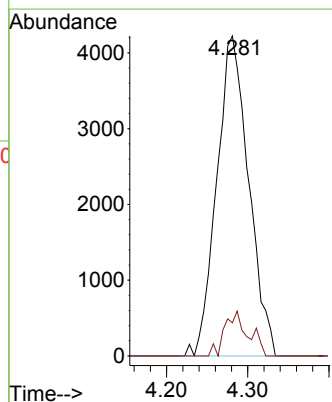
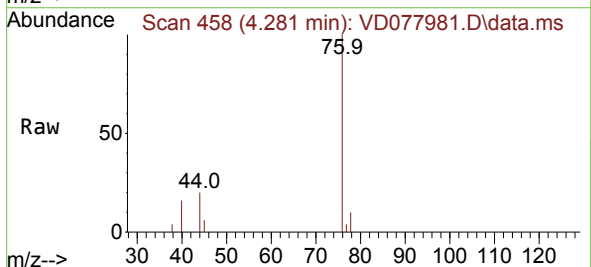
Instrument :
MSVOA_D
ClientSampleId :

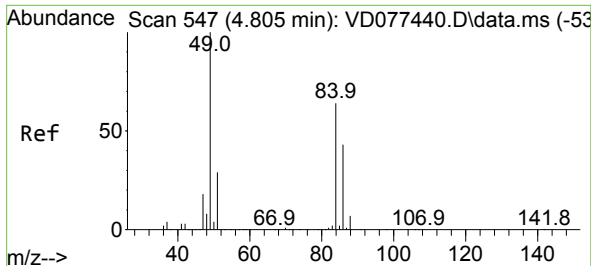
Tgt Ion: 43 Resp: 3188
Ion Ratio Lower Upper
43 100
58 38.1 34.7 52.1



#17
Carbon Disulfide
Concen: 1.741 ug/l
RT: 4.281 min Scan# 458
Delta R.T. 0.006 min
Lab File: VD077981.D
Acq: 19 Dec 2023 18:27

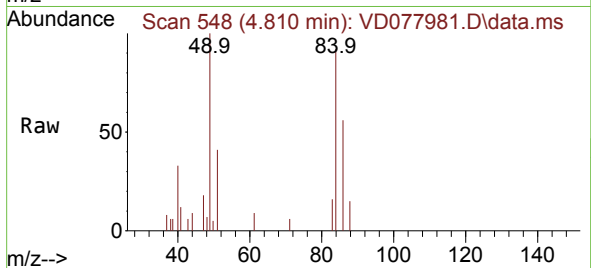
Tgt Ion: 76 Resp: 11522
Ion Ratio Lower Upper
76 100
78 10.4 6.8 10.2#



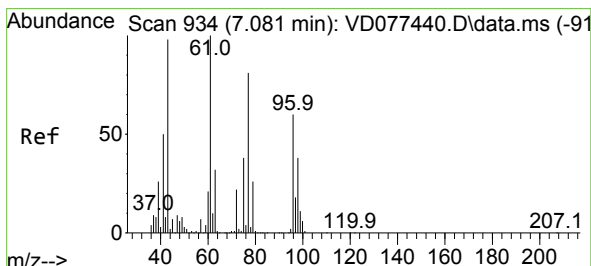
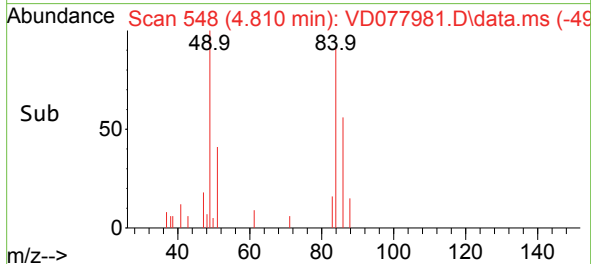
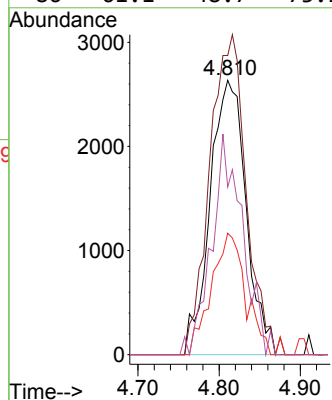


#20
Methylene Chloride
Concen: Below Cal
RT: 4.810 min Scan# 54
Delta R.T. 0.005 min
Lab File: VD077981.D
Acq: 19 Dec 2023 18:27

Instrument :
MSVOA_D
ClientSampleId :

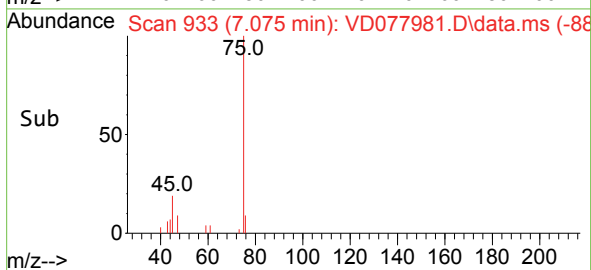
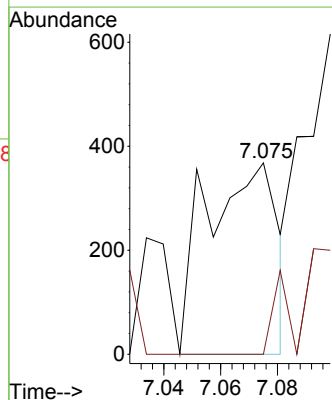
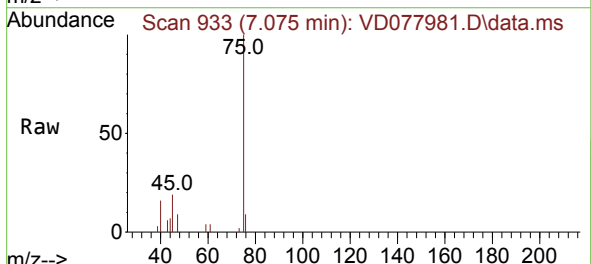


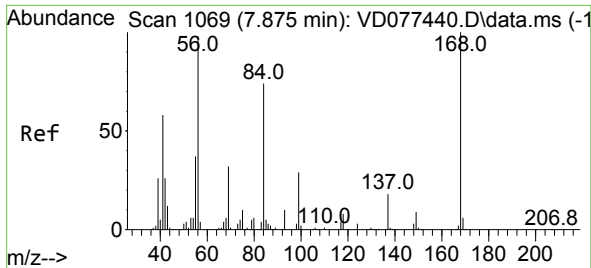
Tgt Ion: 84 Resp: 8117
Ion Ratio Lower Upper
84 100
49 109.0 71.4 107.2#
51 44.3 24.5 36.7#
86 61.1 48.7 73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD077981.D
Acq: 19 Dec 2023 18:27

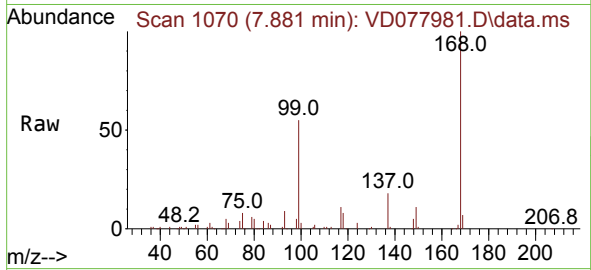
Tgt Ion: 43 Resp: 636
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



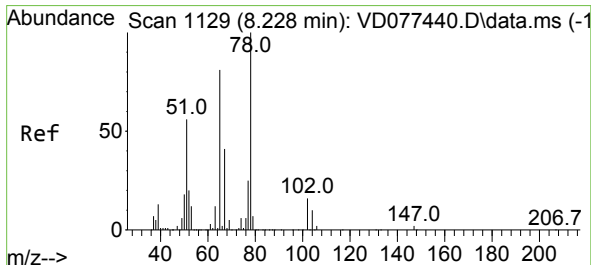
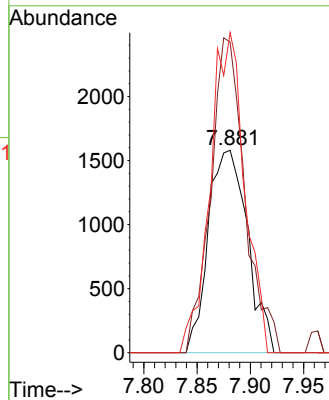
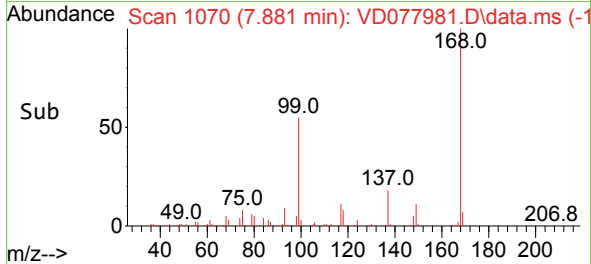


#31
Cyclohexane
Concen: 1.191 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077981.D
Acq: 19 Dec 2023 18:27

Instrument :
MSVOA_D
ClientSampleId :

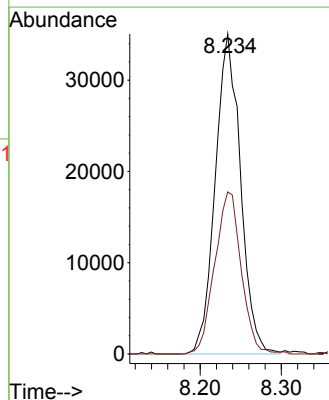
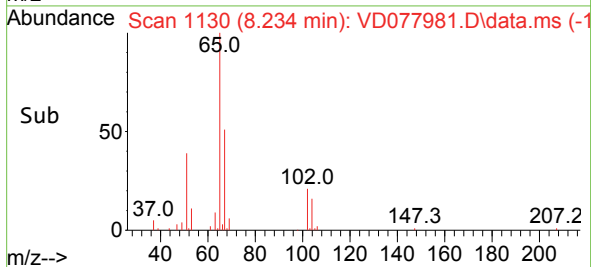
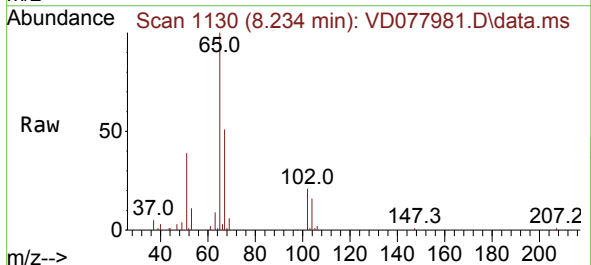


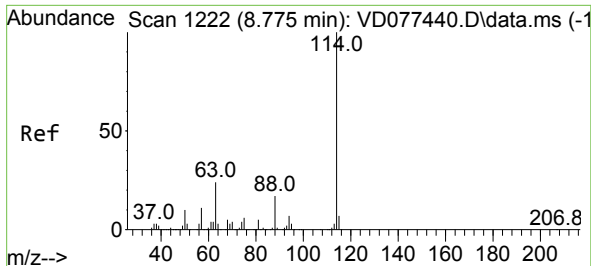
Tgt Ion: 56 Resp: 4060
Ion Ratio Lower Upper
56 100
69 153.4 28.6 43.0#
84 158.1 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 39.478 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077981.D
Acq: 19 Dec 2023 18:27

Tgt Ion: 65 Resp: 75685
Ion Ratio Lower Upper
65 100
67 53.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077981.D

Acq: 19 Dec 2023 18:27

Instrument :

MSVOA_D

ClientSampleId :

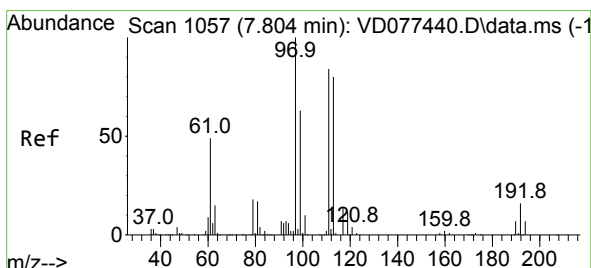
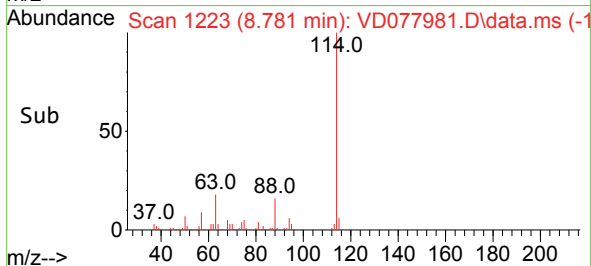
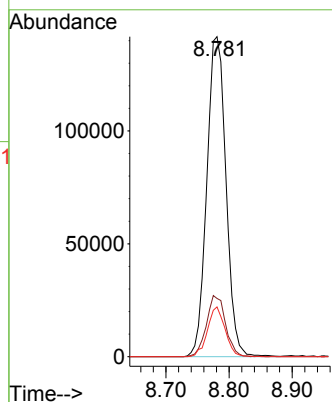
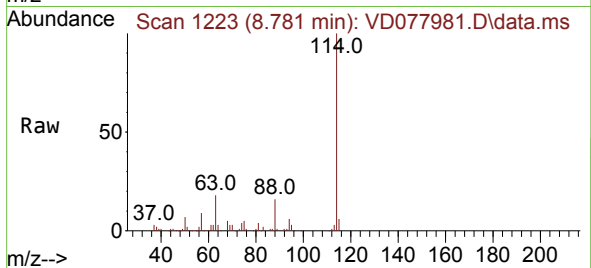
Tgt Ion:114 Resp: 298858

Ion Ratio Lower Upper

114 100

63 18.2 0.0 33.4

88 15.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 41.684 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077981.D

Acq: 19 Dec 2023 18:27

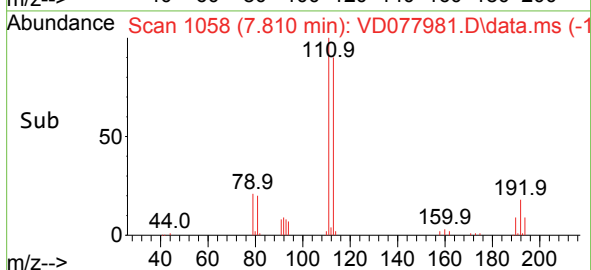
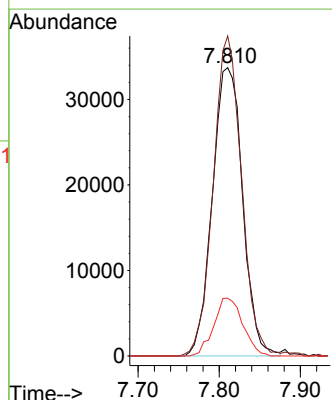
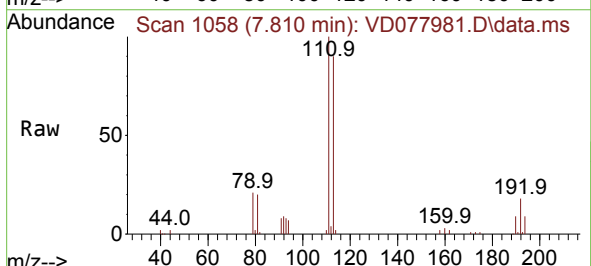
Tgt Ion:113 Resp: 87261

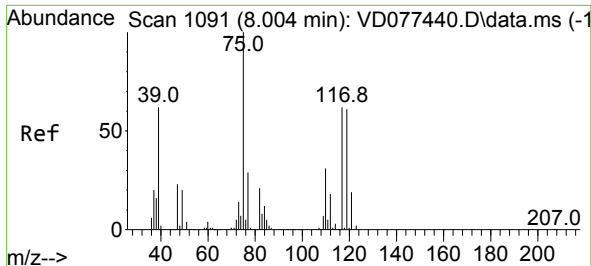
Ion Ratio Lower Upper

113 100

111 103.8 84.7 127.1

192 19.2 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.024 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

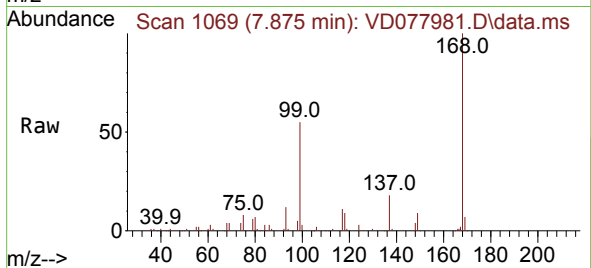
Lab File: VD077981.D

Acq: 19 Dec 2023 18:27

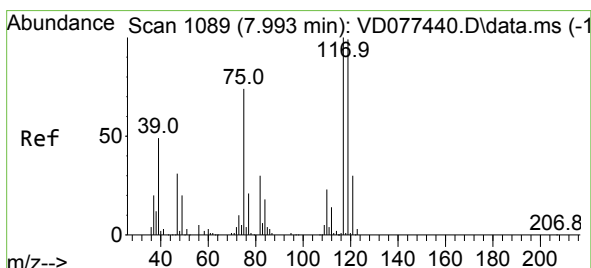
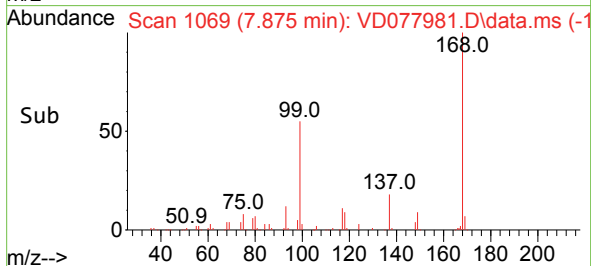
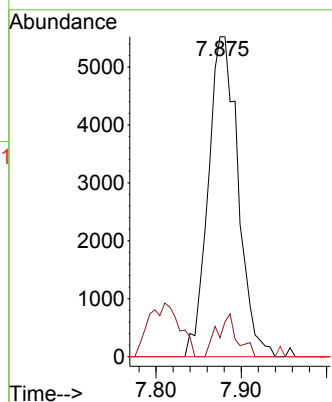
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	13474
Ion Ratio	Lower	Upper	
75	100		
110	8.9	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 5.128 ug/l

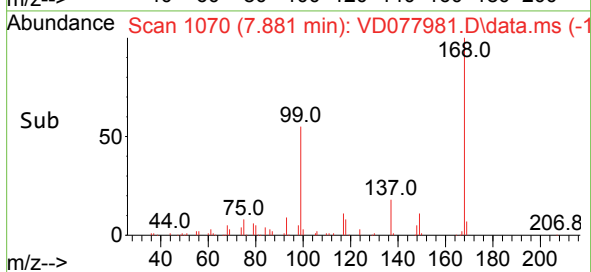
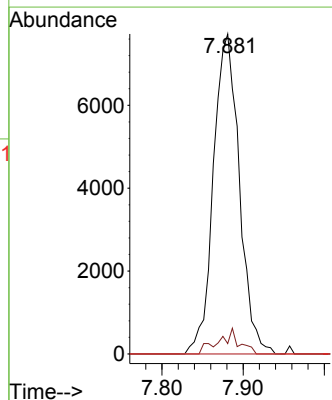
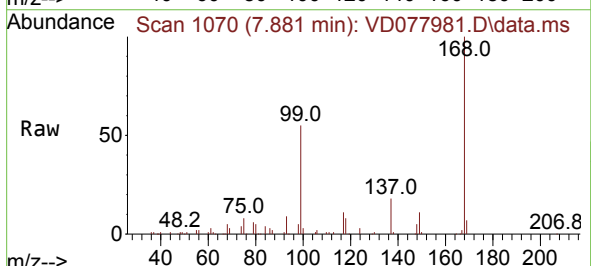
RT: 7.881 min Scan# 1070

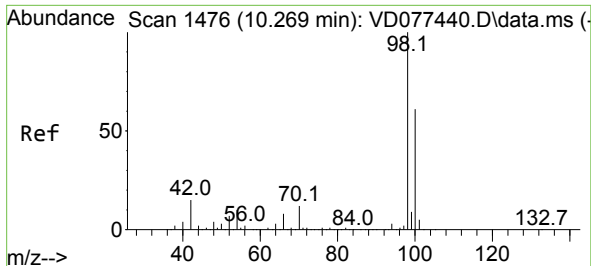
Delta R.T. -0.112 min

Lab File: VD077981.D

Acq: 19 Dec 2023 18:27

Tgt Ion:	117	Resp:	17120
Ion Ratio	Lower	Upper	
117	100		
119	3.2	78.0	117.0#
121	0.0	24.2	36.2#

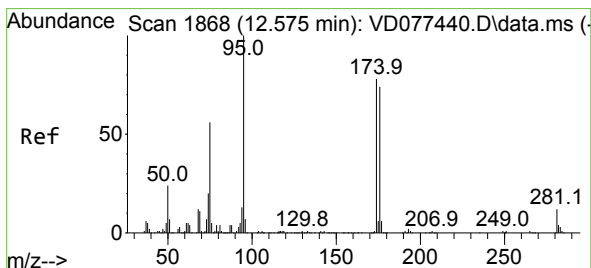
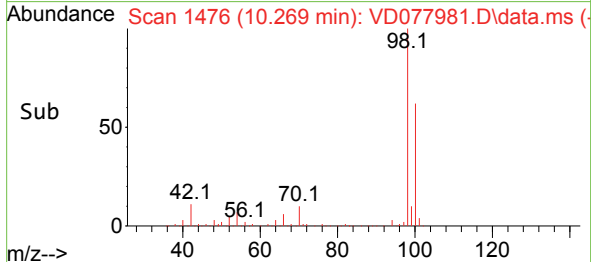
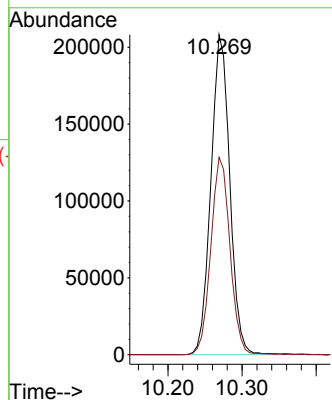
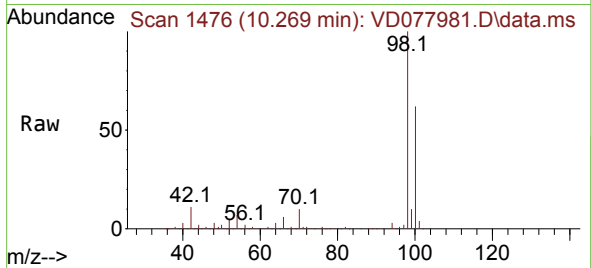




#50
Toluene-d8
Concen: 43.914 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077981.D
Acq: 19 Dec 2023 18:27

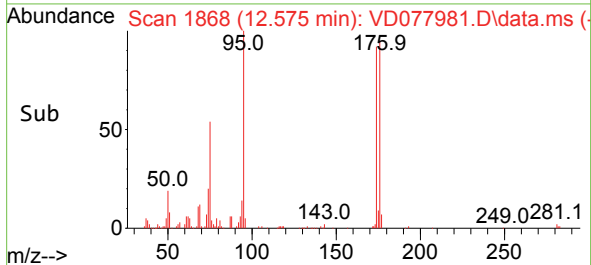
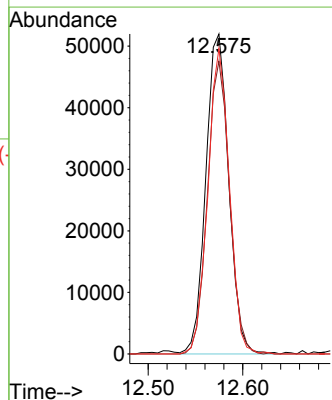
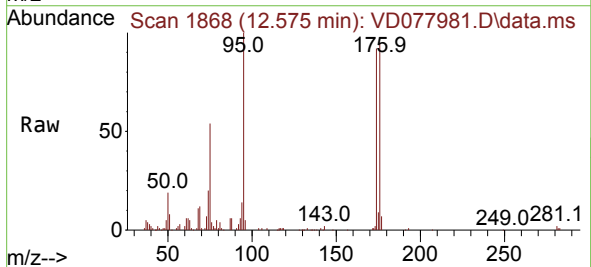
Instrument :
MSVOA_D
ClientSampleId :

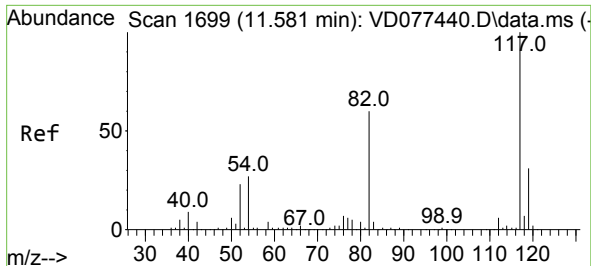
Tgt Ion: 98 Resp: 368191
Ion Ratio Lower Upper
98 100
100 62.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 34.940 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077981.D
Acq: 19 Dec 2023 18:27

Tgt Ion: 95 Resp: 87584
Ion Ratio Lower Upper
95 100
174 88.0 0.0 201.8
176 89.7 0.0 191.8

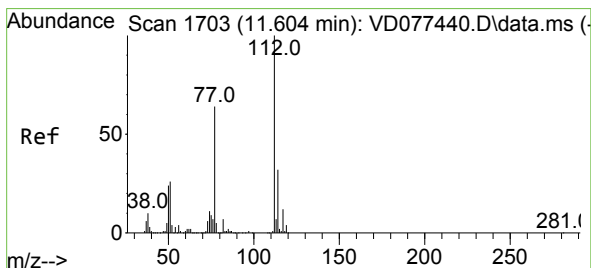
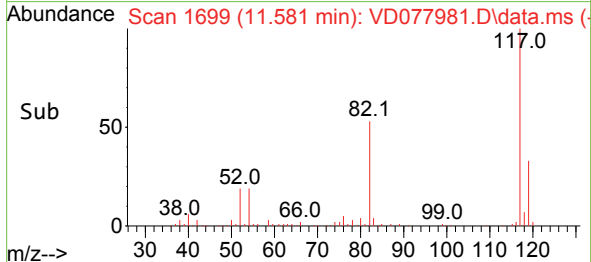
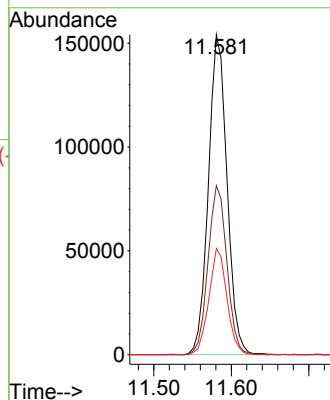
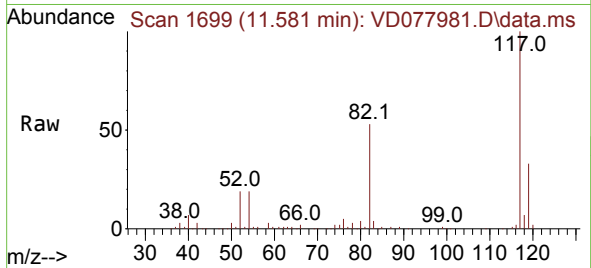




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD077981.D
Acq: 19 Dec 2023 18:27

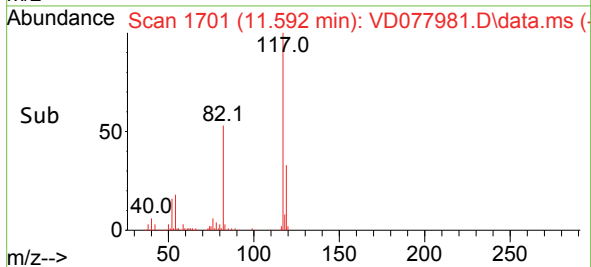
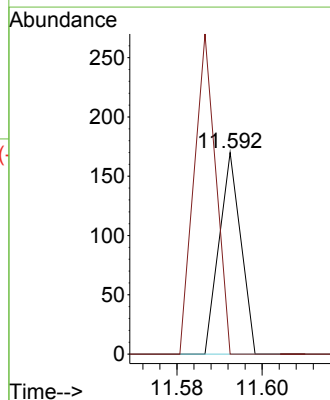
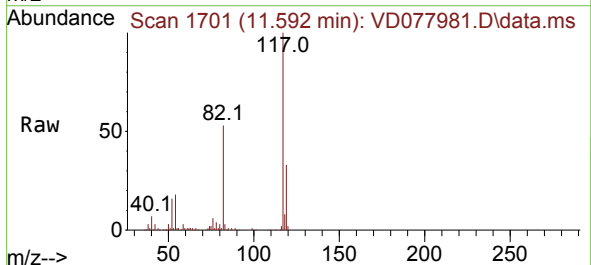
Instrument :
MSVOA_D
ClientSampleId :

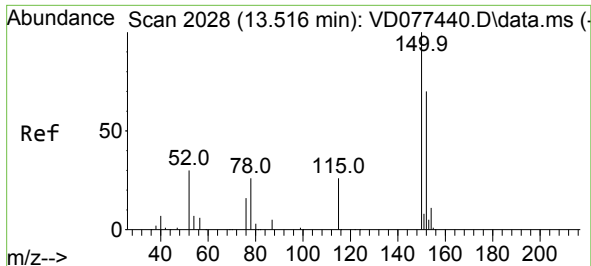
Tgt Ion:117 Resp: 257210
Ion Ratio Lower Upper
117 100
82 52.9 38.3 57.5
119 33.2 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.592 min Scan# 1701
Delta R.T. -0.012 min
Lab File: VD077981.D
Acq: 19 Dec 2023 18:27

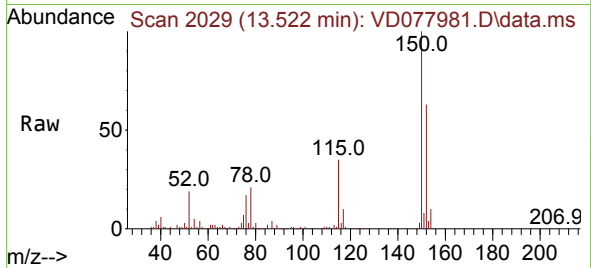
Tgt Ion:112 Resp: 60
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



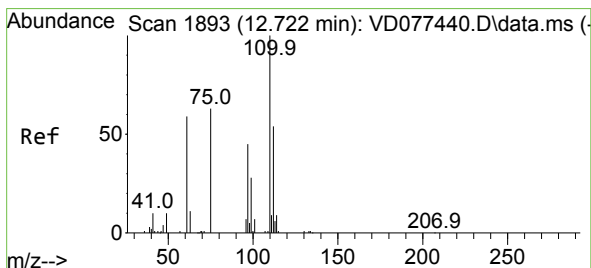
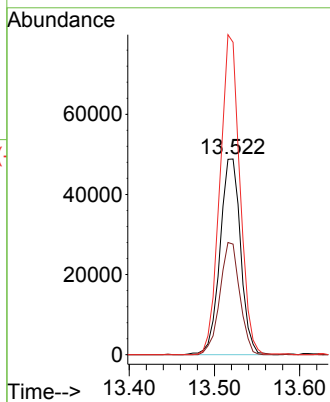
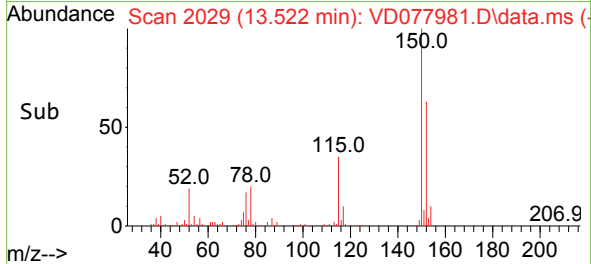


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD077981.D
 Acq: 19 Dec 2023 18:27

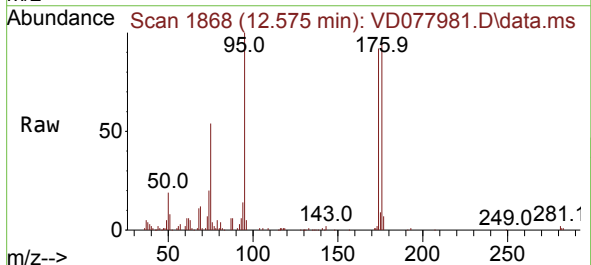
Instrument :
 MSVOA_D
 ClientSampleId :



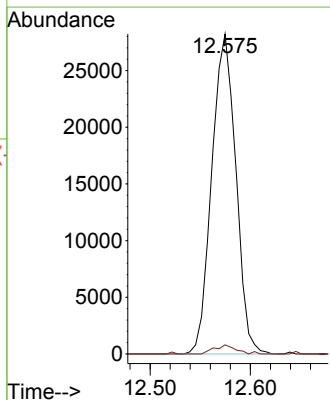
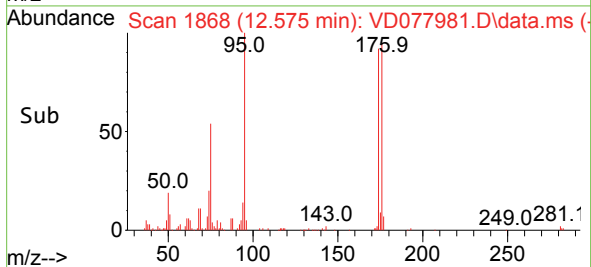
Tgt Ion:152 Resp: 82204
 Ion Ratio Lower Upper
 152 100
 115 55.2 27.1 81.3
 150 157.9 0.0 353.6

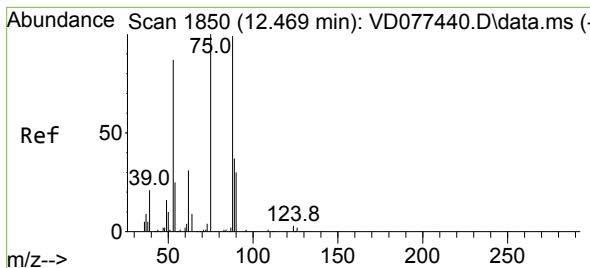


#76
 1,2,3-Trichloropropane
 Concen: 65.938 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077981.D
 Acq: 19 Dec 2023 18:27



Tgt Ion: 75 Resp: 47076
 Ion Ratio Lower Upper
 75 100
 77 2.6 0.0 0.0#

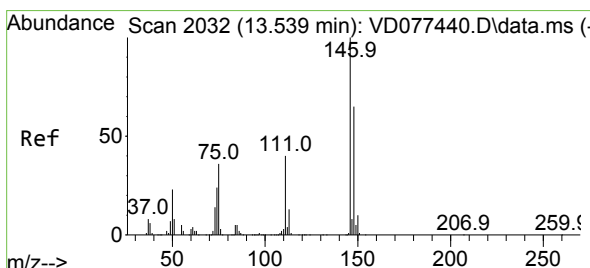
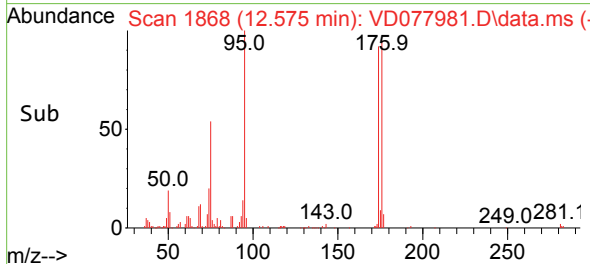
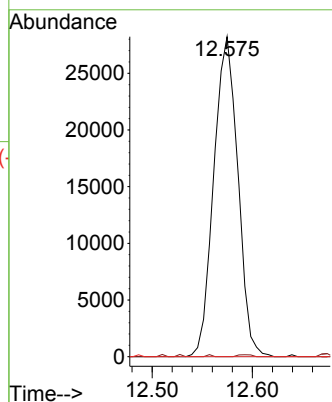
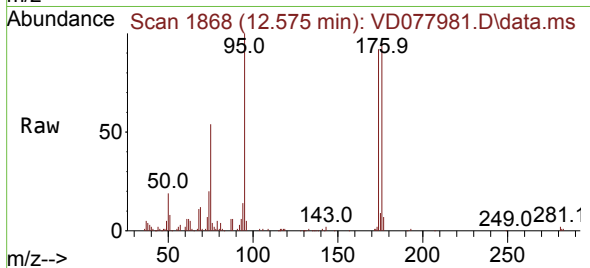




#81
trans-1,4-Dichloro-2-butene
Concen: 133.594 ug/l
RT: 12.575 min Scan# 1850
Delta R.T. 0.106 min
Lab File: VD077981.D
Acq: 19 Dec 2023 18:27

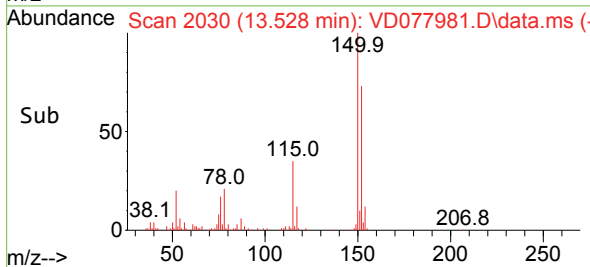
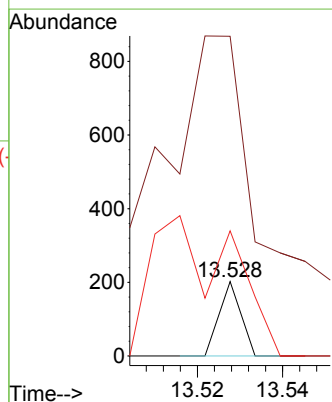
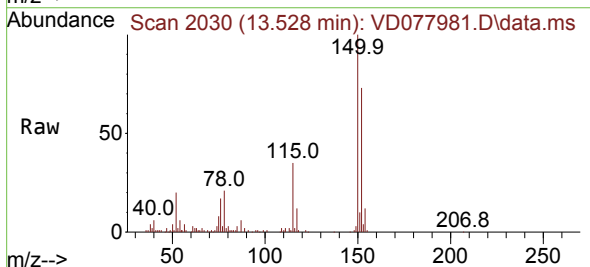
Instrument :
MSVOA_D
ClientSampleId :

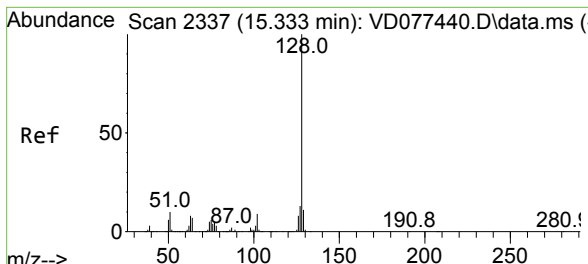
Tgt Ion: 75 Resp: 47076
Ion Ratio Lower Upper
75 100
53 0.4 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.528 min Scan# 2030
Delta R.T. -0.011 min
Lab File: VD077981.D
Acq: 19 Dec 2023 18:27

Tgt Ion: 146 Resp: 71
Ion Ratio Lower Upper
146 100
111 2228.2 17.4 52.3#
148 680.3 31.7 95.1#

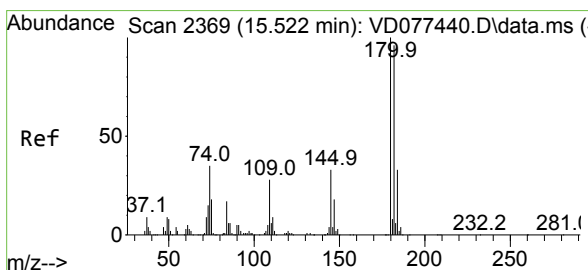
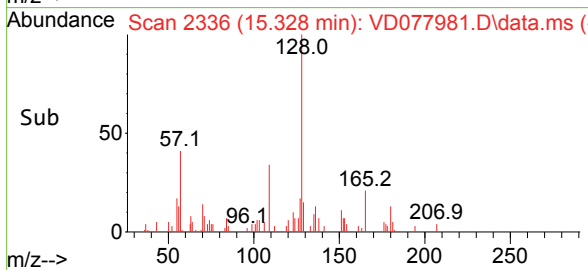
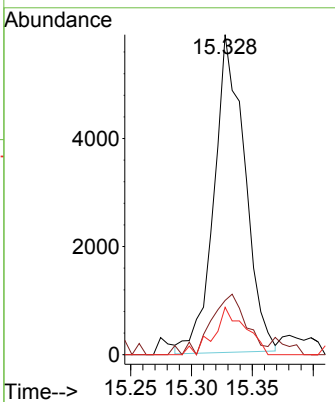
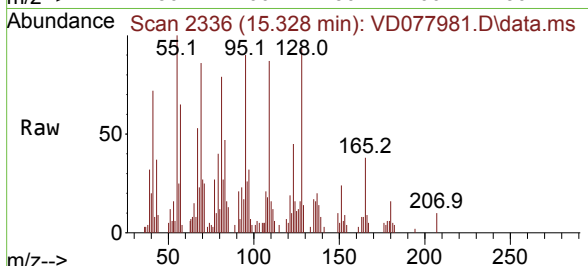




#95
 Naphthalene
 Concen: 3.569 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: VD077981.D
 Acq: 19 Dec 2023 18:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:	128	Resp:	10325
Ion Ratio	Lower	Upper	
128	100		
127	16.9	10.5	15.7#
129	14.8	8.7	13.1#



#96
 1,2,3-Trichlorobenzene
 Concen: 1.430 ug/l
 RT: 15.492 min Scan# 2364
 Delta R.T. -0.030 min
 Lab File: VD077981.D
 Acq: 19 Dec 2023 18:27

Tgt Ion:	180	Resp:	2053
Ion Ratio	Lower	Upper	
180	100		
182	8.4	47.3	141.9#
145	5.9	15.1	45.3#

