

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077976.D
 Acq On : 19 Dec 2023 16:12
 Operator : RP/MD
 Sample : 05882-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 02:06:07 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)

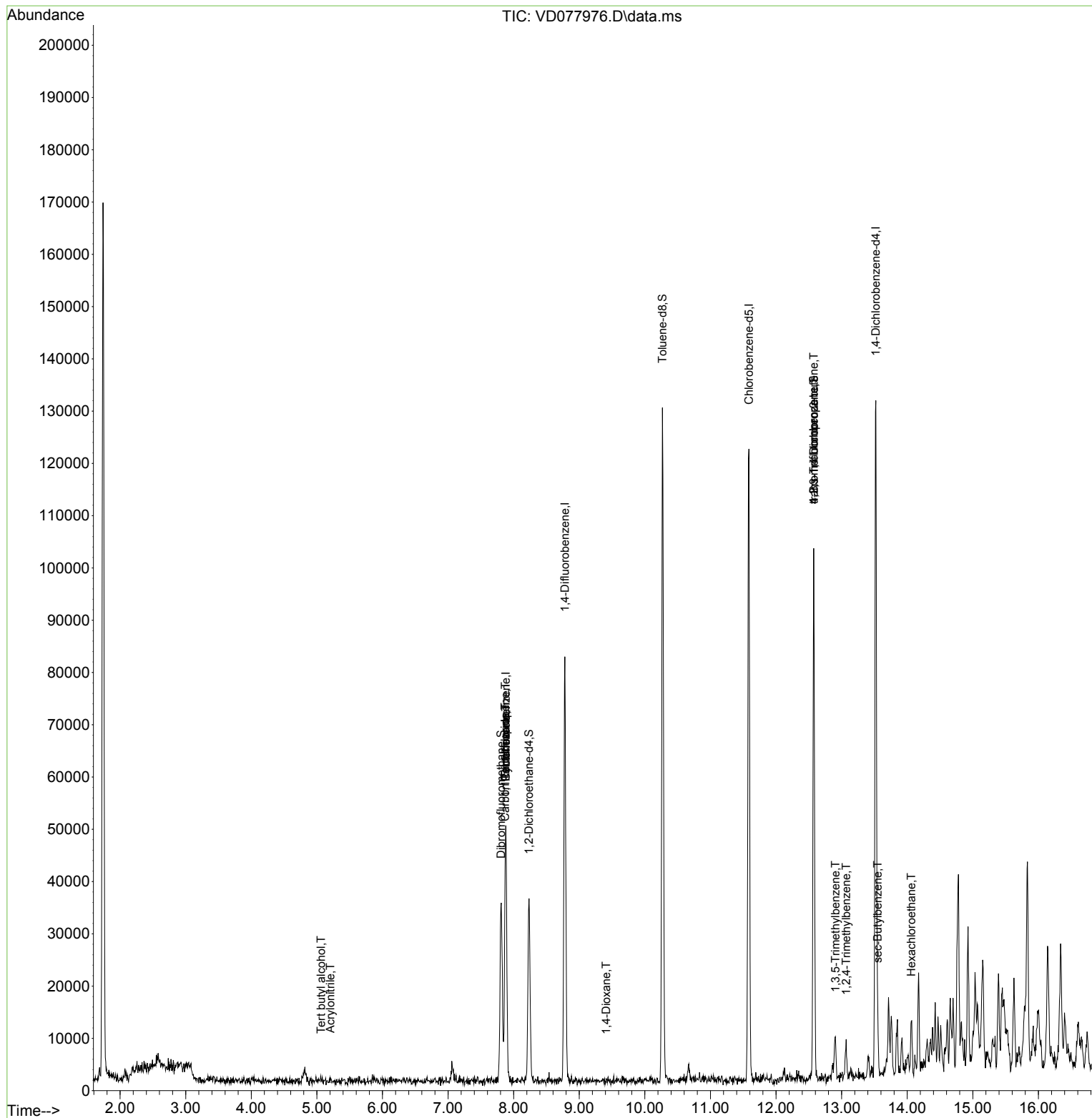
Internal Standards						
1) Pentafluorobenzene	7.881	168	38612	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	69431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	71894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	33951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	27499	60.439	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.880%	
35) Dibromofluoromethane	7.810	113	24213	49.786	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.580%	
50) Toluene-d8	10.269	98	90801	46.616	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.240%	
62) 4-Bromofluorobenzene	12.575	95	29258	50.240	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.480%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.063	59	676	20.505	ug/l	99
15) Acrylonitrile	5.205	53	137	1.386	ug/l	# 18
16) Acetone	4.022	43	337	Below Cal	#	32
20) Methylene Chloride	4.816	84	1927	Below Cal	#	67
25) 2-Butanone	7.099	43	63	Below Cal	#	37
31) Cyclohexane	7.881	56	1157	1.430	ug/l	# 1
36) 1,1-Dichloropropene	7.875	75	3036	3.903	ug/l	# 43
38) Carbon Tetrachloride	7.869	117	3761	4.850	ug/l	# 11
49) 1,4-Dioxane	9.410	88	57	20.213	ug/l	# 33
65) Chlorobenzene	11.540	112	58	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	15242	51.691	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.904	105	2710	1.263	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.575	75	15242	104.730	ug/l	# 18
84) 1,2,4-Trimethylbenzene	13.069	105	4257	1.983	ug/l	65
85) sec-Butylbenzene	13.551	105	5840	2.181	ug/l	# 54
88) 1,4-Dichlorobenzene	13.528	146	59	Below Cal	#	1
90) Hexachloroethane	14.063	117	698	1.583	ug/l	# 11
92) 1,2-Dibromo-3-Chloropr...	14.610	75	54	Below Cal	#	1

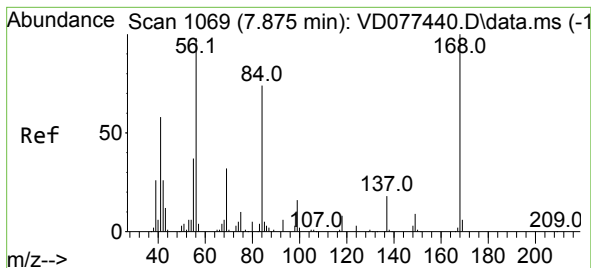
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077976.D
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 20 02:06:07 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077976.D

Acq: 19 Dec 2023 16:12

Instrument :

MSVOA_D

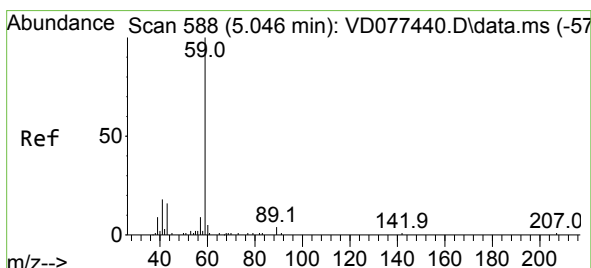
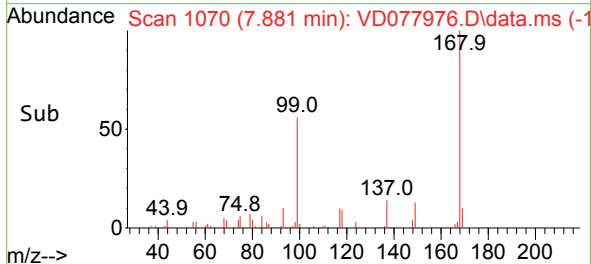
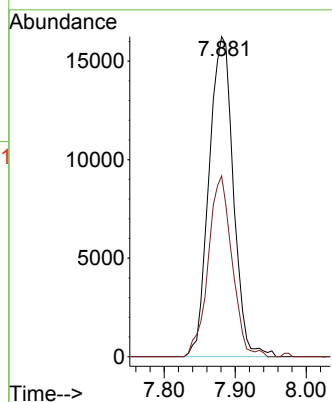
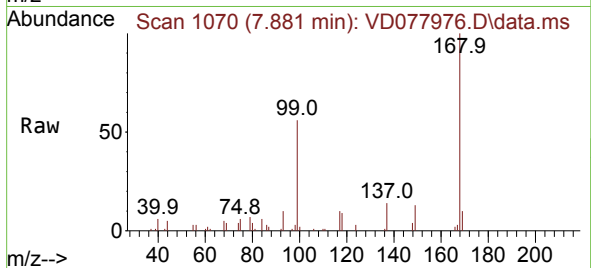
ClientSampleId :

Tgt Ion:168 Resp: 38612

Ion Ratio Lower Upper

168 100

99 56.5 36.7 55.1#



#11

Tert butyl alcohol

Concen: 20.505 ug/l

RT: 5.063 min Scan# 591

Delta R.T. 0.017 min

Lab File: VD077976.D

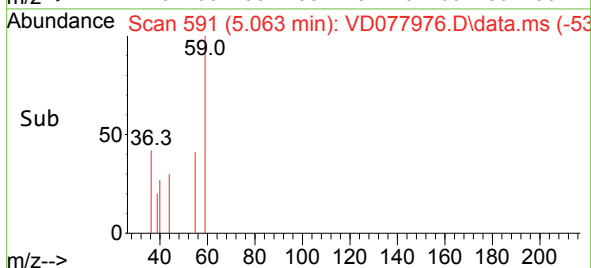
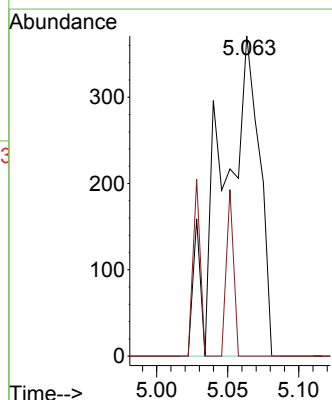
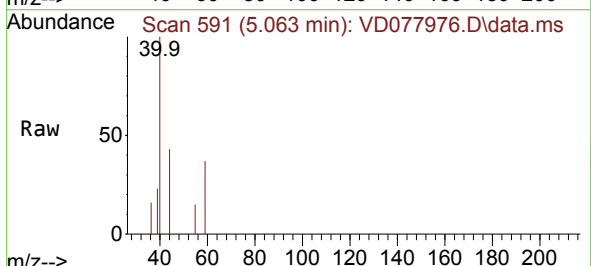
Acq: 19 Dec 2023 16:12

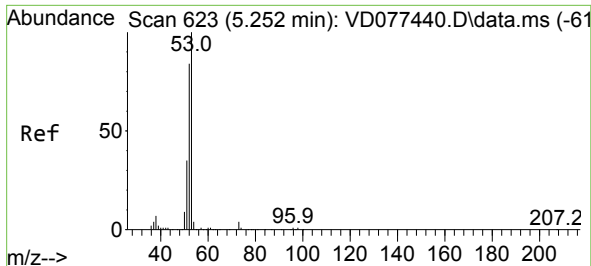
Tgt Ion: 59 Resp: 676

Ion Ratio Lower Upper

59 100

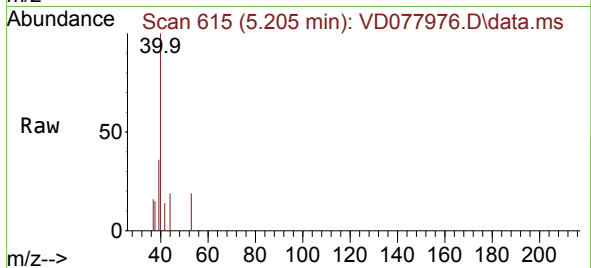
57 10.1 7.8 11.8



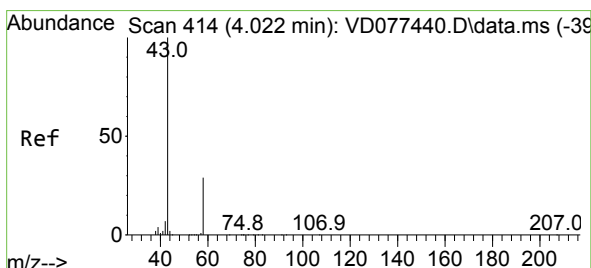
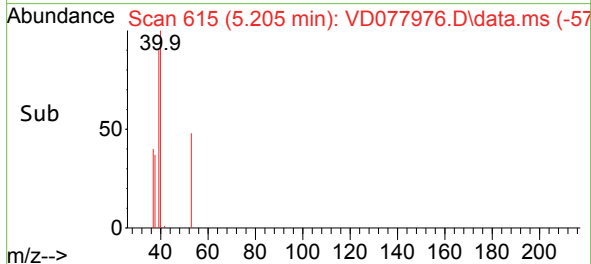
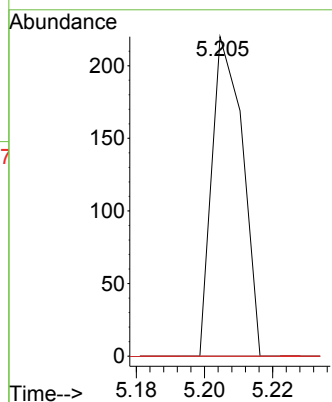


#15
Acrylonitrile
Concen: 1.386 ug/l
RT: 5.205 min Scan# 61
Delta R.T. -0.047 min
Lab File: VD077976.D
Acq: 19 Dec 2023 16:12

Instrument :
MSVOA_D
ClientSampleId :

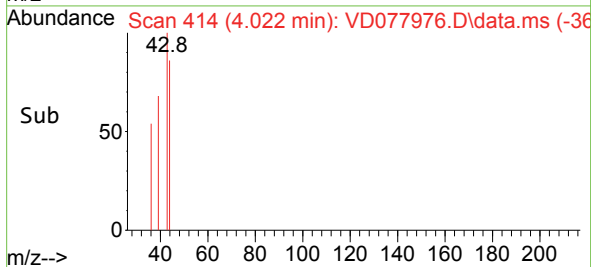
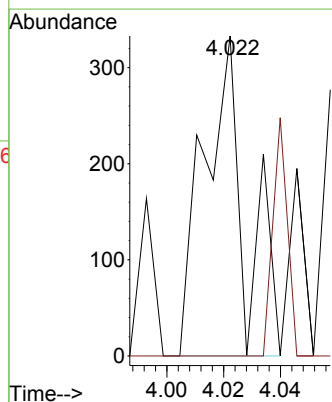
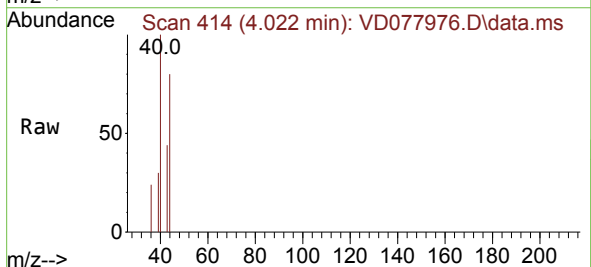


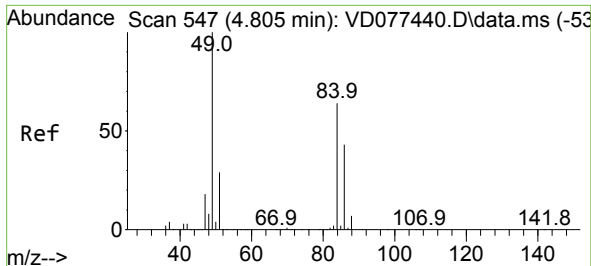
Tgt Ion: 53 Resp: 137
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#



#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077976.D
Acq: 19 Dec 2023 16:12

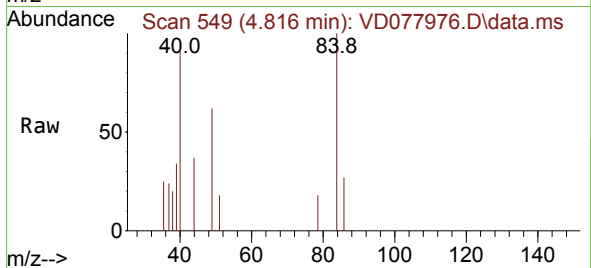
Tgt Ion: 43 Resp: 337
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



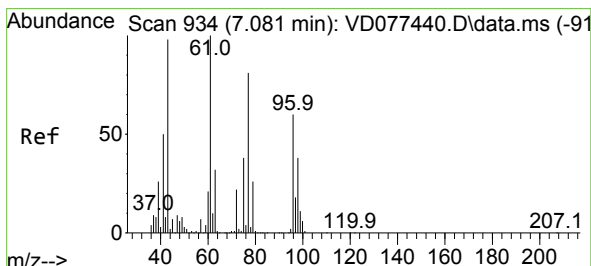
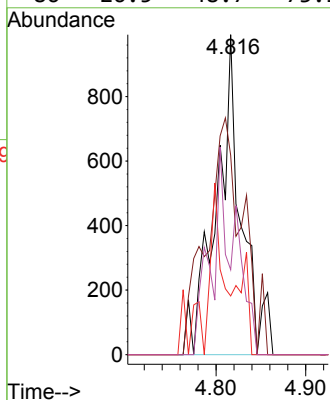
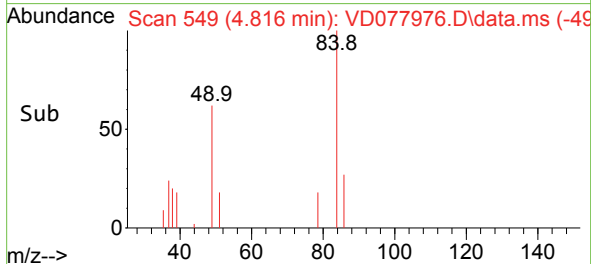


#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 547
Delta R.T. 0.011 min
Lab File: VD077976.D
Acq: 19 Dec 2023 16:12

Instrument :
MSVOA_D
ClientSampleId :

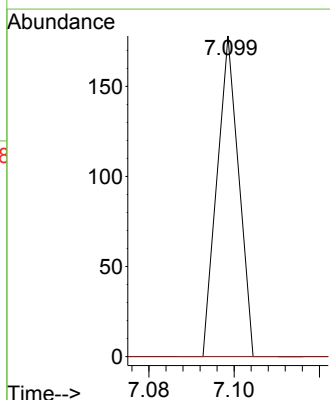
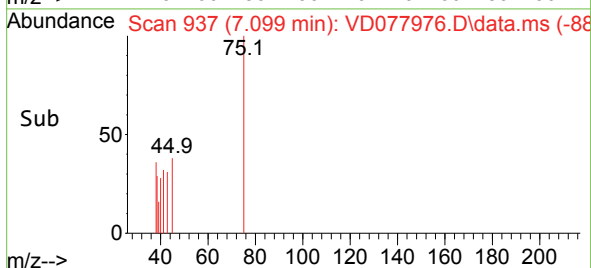
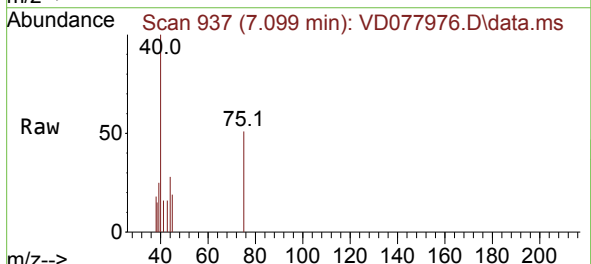


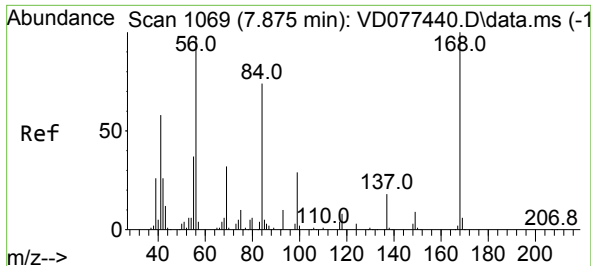
Tgt Ion: 84 Resp: 1927
Ion Ratio Lower Upper
84 100
49 62.3 71.4 107.2#
51 18.3 24.5 36.7#
86 26.5 48.7 73.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 937
Delta R.T. 0.018 min
Lab File: VD077976.D
Acq: 19 Dec 2023 16:12

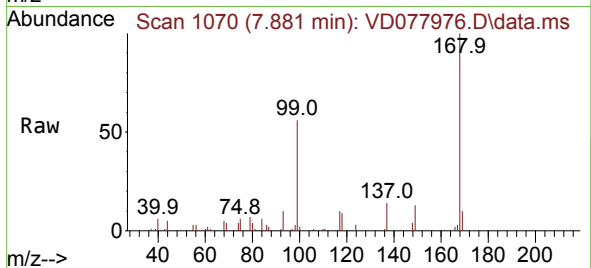
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



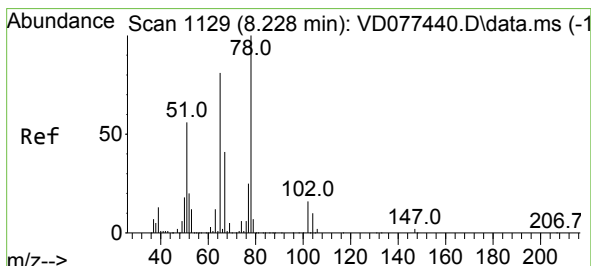
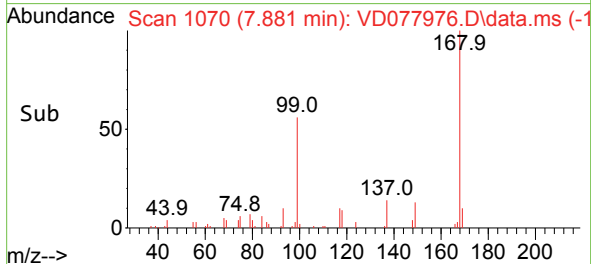
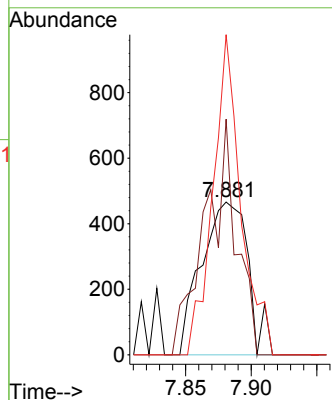


#31
Cyclohexane
Concen: 1.430 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077976.D
Acq: 19 Dec 2023 16:12

Instrument :
MSVOA_D
ClientSampleId :

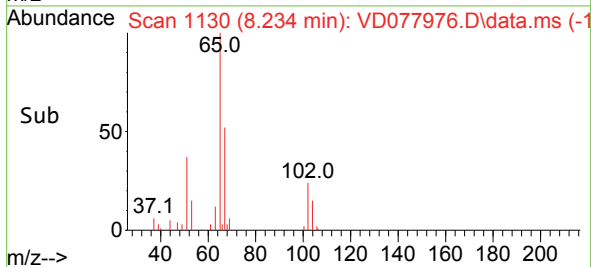
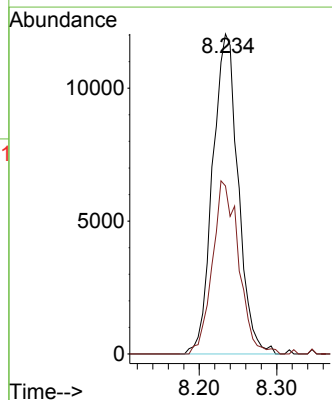
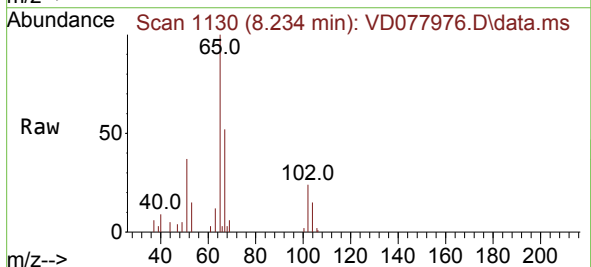


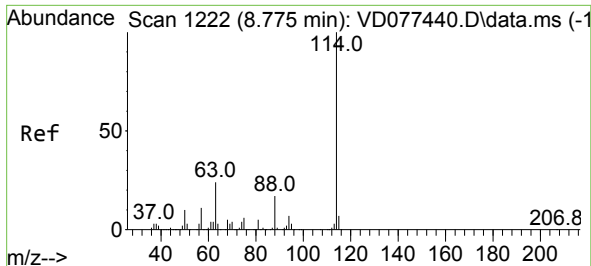
Tgt Ion: 56 Resp: 1157
Ion Ratio Lower Upper
56 100
69 154.3 28.6 43.0#
84 209.7 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 60.439 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077976.D
Acq: 19 Dec 2023 16:12

Tgt Ion: 65 Resp: 27499
Ion Ratio Lower Upper
65 100
67 55.9 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: VD077976.D

Acq: 19 Dec 2023 16:12

Instrument :

MSVOA_D

ClientSampleId :

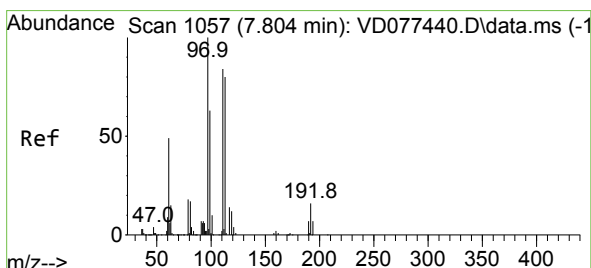
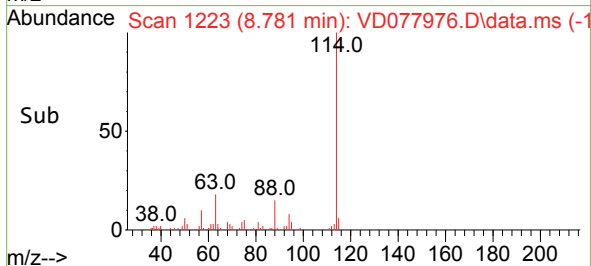
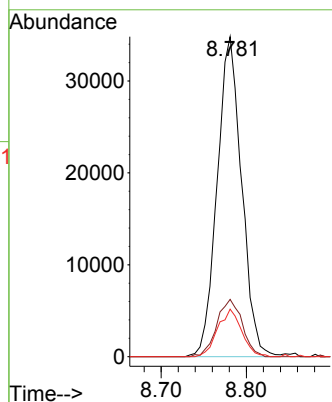
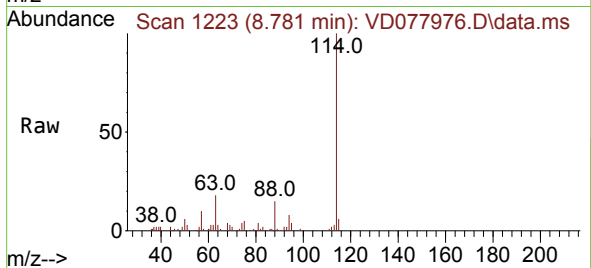
Tgt Ion:114 Resp: 69431

Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

88 14.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 49.786 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077976.D

Acq: 19 Dec 2023 16:12

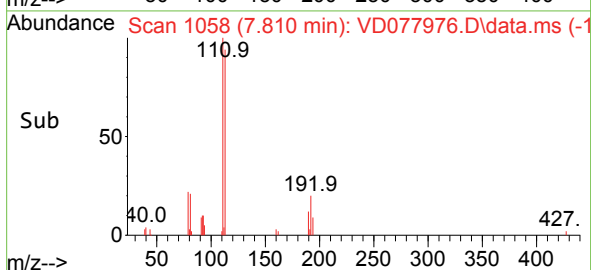
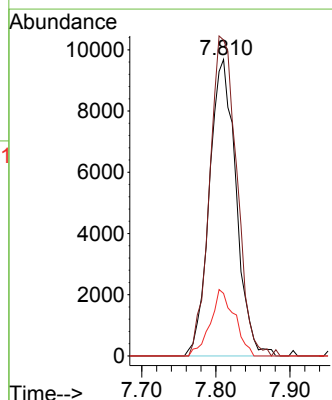
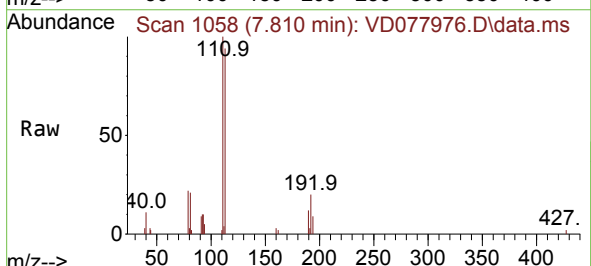
Tgt Ion:113 Resp: 24213

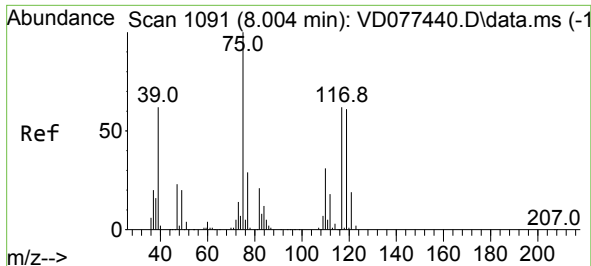
Ion Ratio Lower Upper

113 100

111 109.9 84.7 127.1

192 20.4 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.903 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

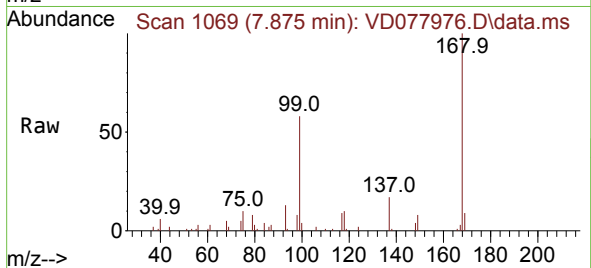
Lab File: VD077976.D

Acq: 19 Dec 2023 16:12

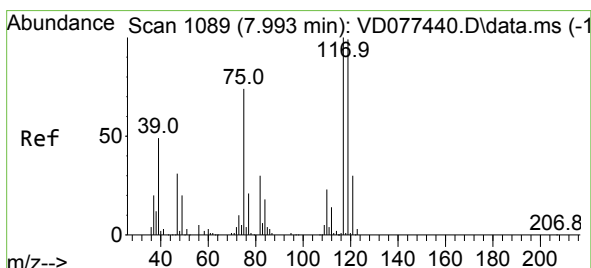
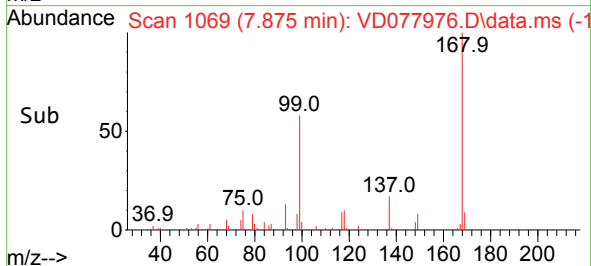
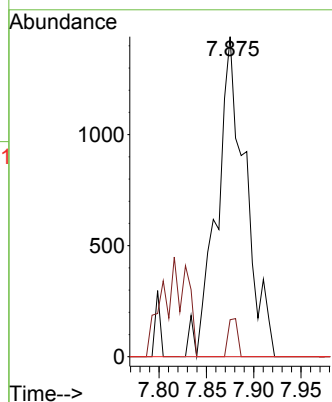
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 3036
Ion Ratio	Lower Upper
75	100
110	4.0 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.850 ug/l

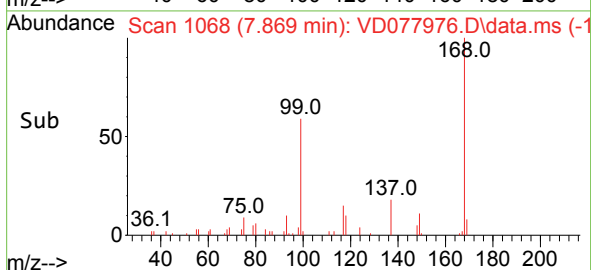
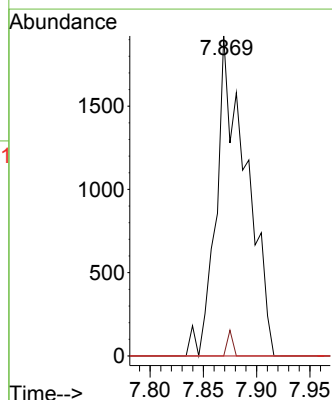
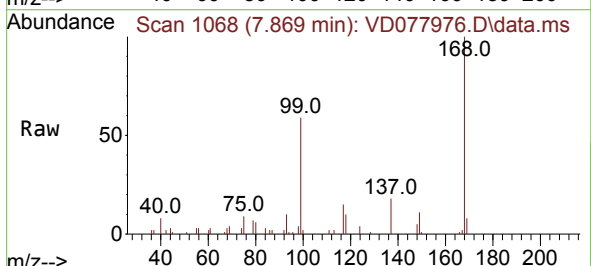
RT: 7.869 min Scan# 1068

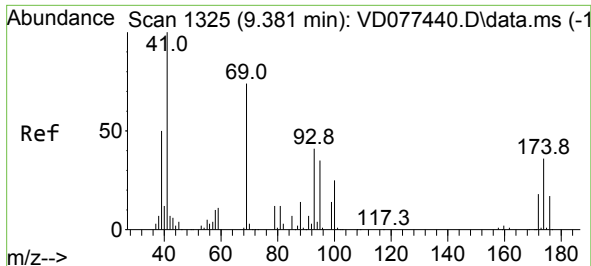
Delta R.T. -0.124 min

Lab File: VD077976.D

Acq: 19 Dec 2023 16:12

Tgt Ion: 117	Resp: 3761
Ion Ratio	Lower Upper
117	100
119	0.0 78.0 117.0#
121	0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 20.213 ug/l

RT: 9.410 min Scan# 11

Delta R.T. 0.029 min

Lab File: VD077976.D

Acq: 19 Dec 2023 16:12

Instrument :

MSVOA_D

ClientSampleId :

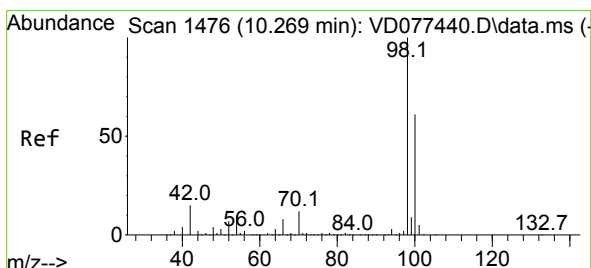
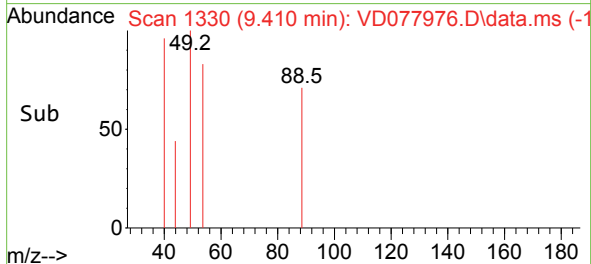
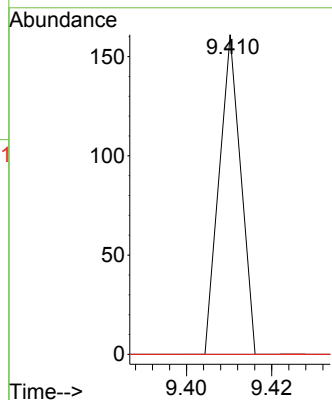
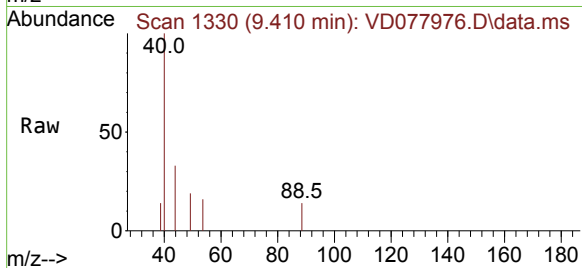
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 46.616 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD077976.D

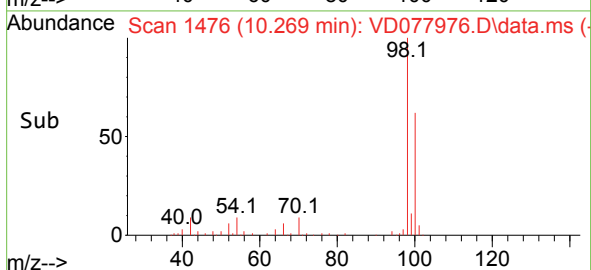
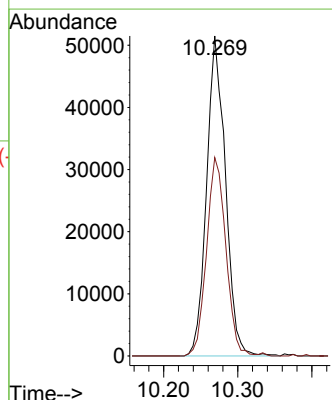
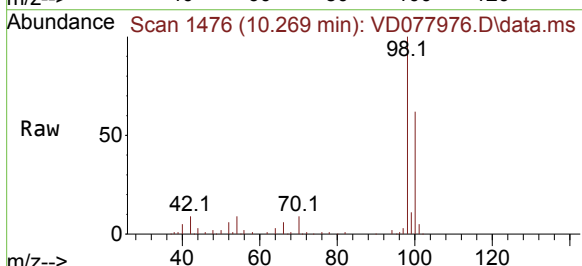
Acq: 19 Dec 2023 16:12

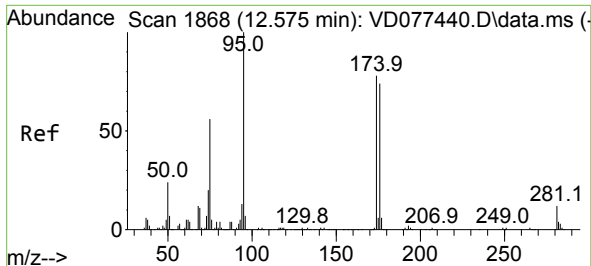
Tgt Ion: 98 Resp: 90801

Ion Ratio Lower Upper

98 100

100 63.5 50.3 75.5

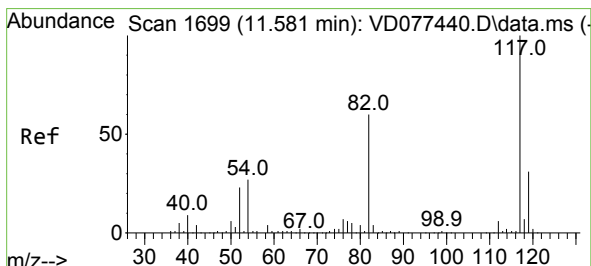
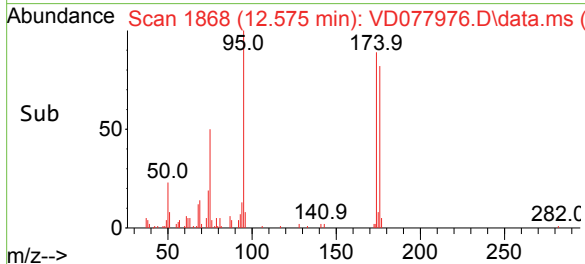
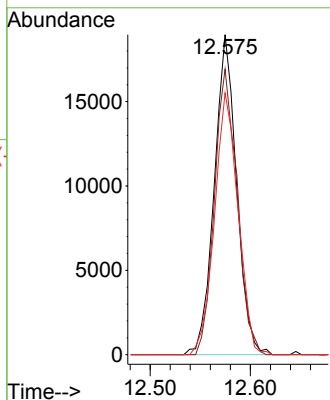
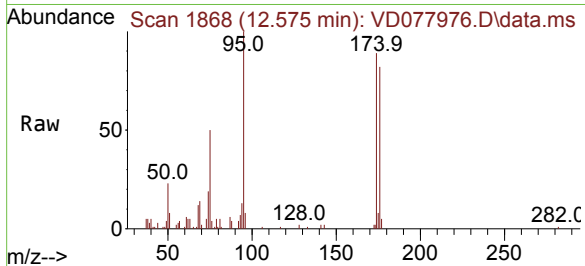




#62
4-Bromofluorobenzene
Concen: 50.240 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077976.D
Acq: 19 Dec 2023 16:12

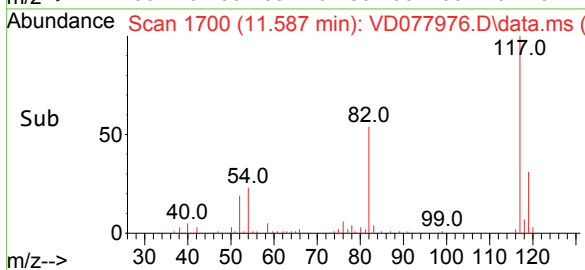
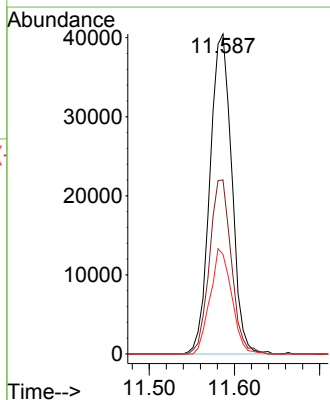
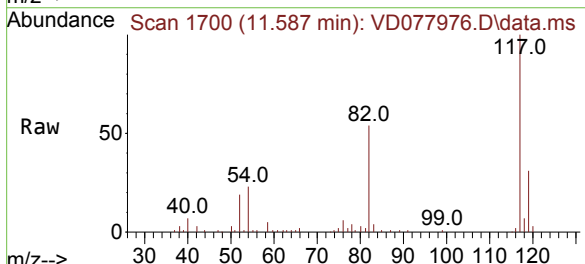
Instrument :
MSVOA_D
ClientSampleId :

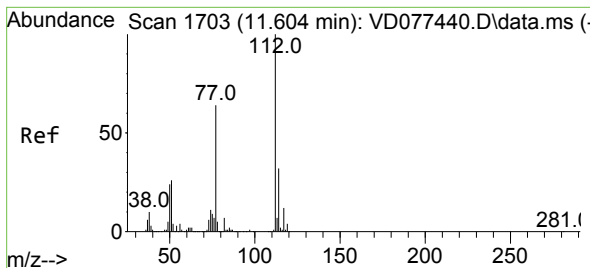
Tgt Ion: 95 Resp: 29258
Ion Ratio Lower Upper
95 100
174 90.7 0.0 201.8
176 86.3 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077976.D
Acq: 19 Dec 2023 16:12

Tgt Ion: 117 Resp: 71894
Ion Ratio Lower Upper
117 100
82 54.4 38.3 57.5
119 31.1 25.0 37.4

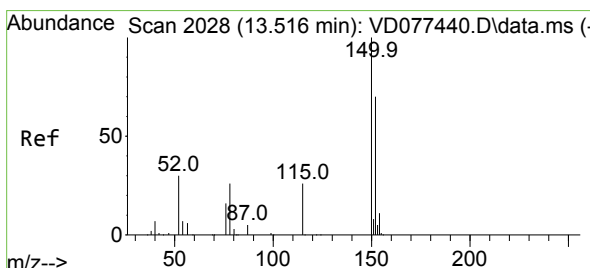
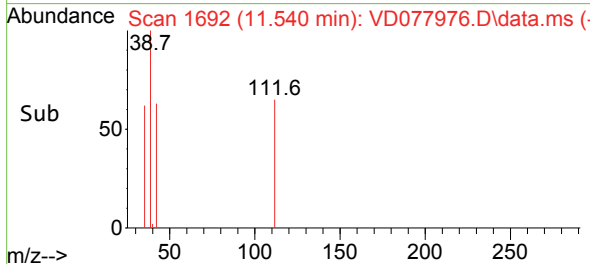
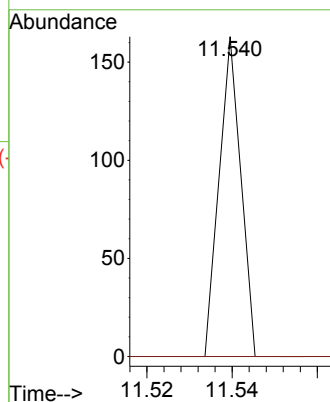
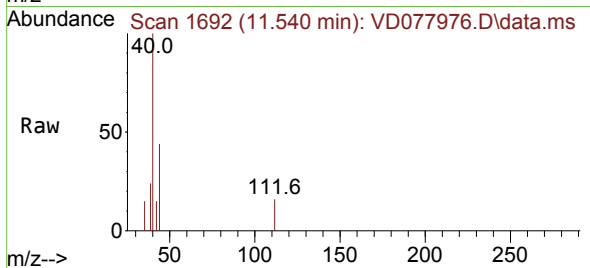




#65
Chlorobenzene
Concen: Below Cal
RT: 11.540 min Scan# 1692
Delta R.T. -0.064 min
Lab File: VD077976.D
Acq: 19 Dec 2023 16:12

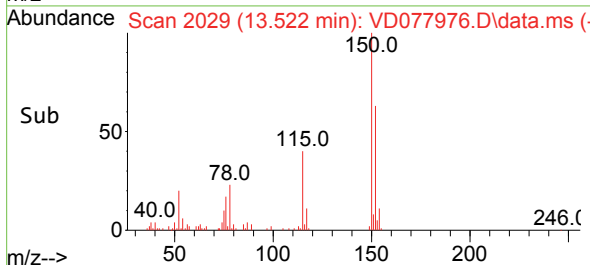
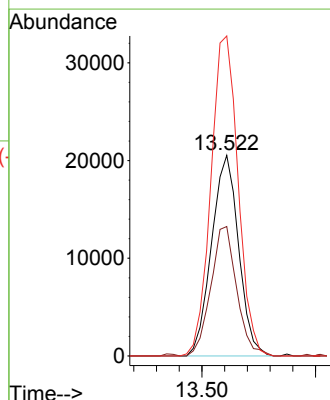
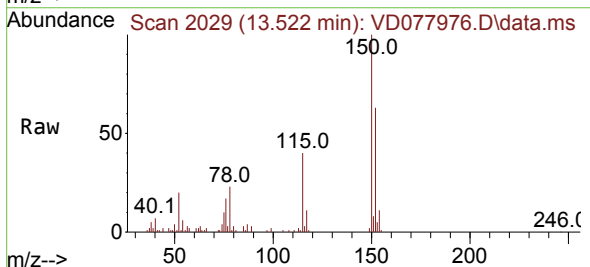
Instrument :
MSVOA_D
ClientSampleId :

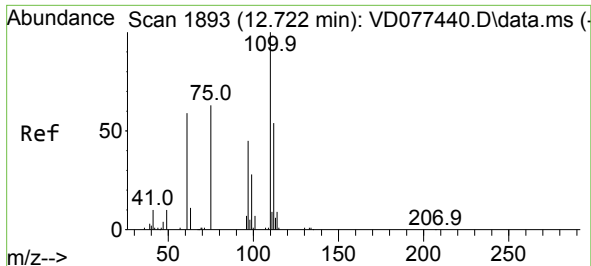
Tgt Ion:112 Resp: 58
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077976.D
Acq: 19 Dec 2023 16:12

Tgt Ion:152 Resp: 33951
Ion Ratio Lower Upper
152 100
115 61.9 27.1 81.3
150 160.2 0.0 353.6

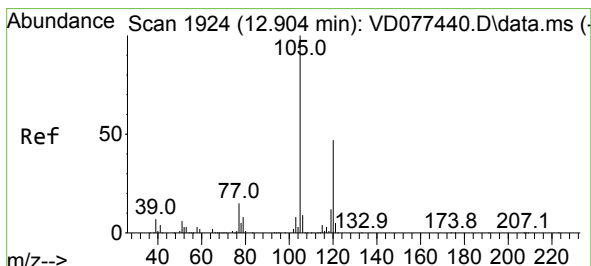
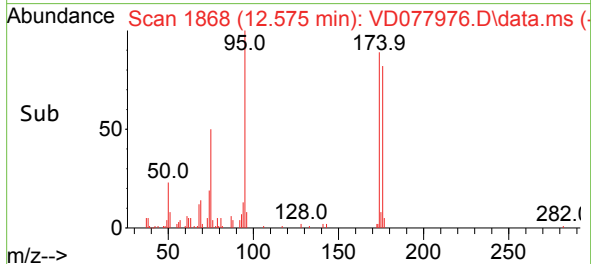
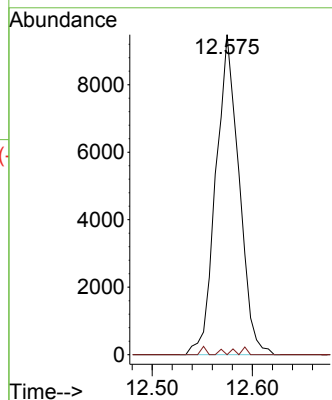
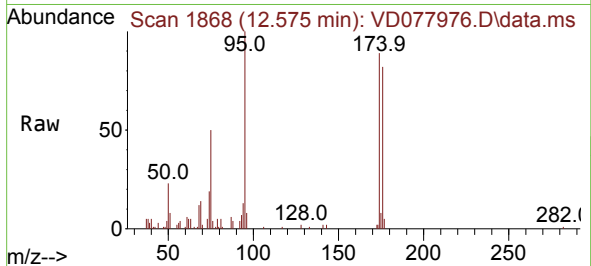




#76
 1,2,3-Trichloropropane
 Concen: 51.691 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077976.D
 Acq: 19 Dec 2023 16:12

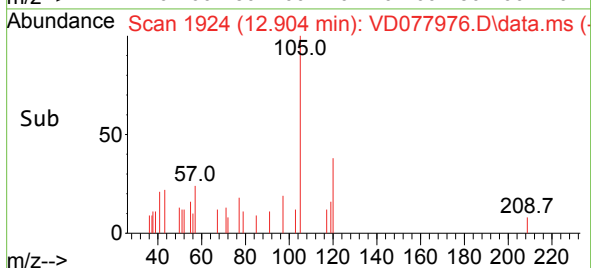
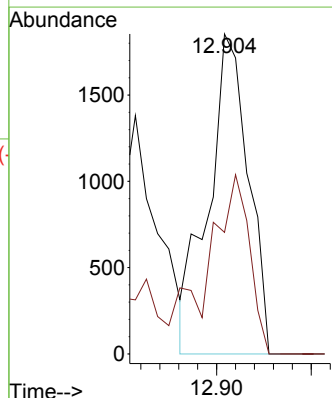
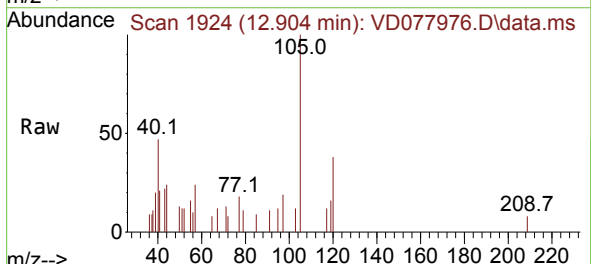
Instrument :
 MSVOA_D
 ClientSampleId :

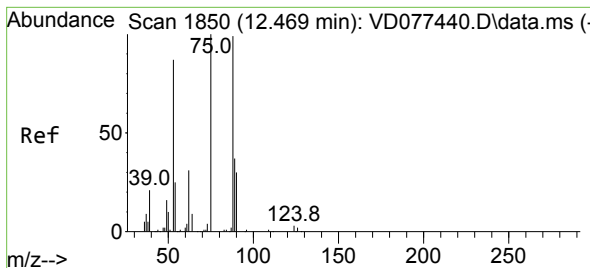
Tgt Ion: 75 Resp: 15242
 Ion Ratio Lower Upper
 75 100
 77 0.4 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.263 ug/l
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD077976.D
 Acq: 19 Dec 2023 16:12

Tgt Ion:105 Resp: 2710
 Ion Ratio Lower Upper
 105 100
 120 58.5 26.4 79.2

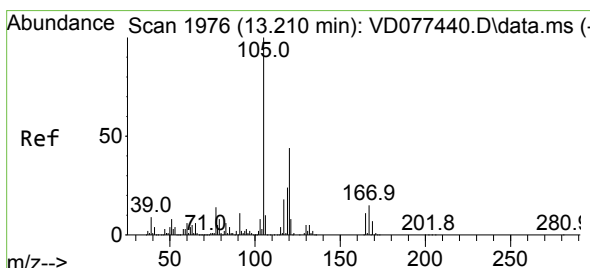
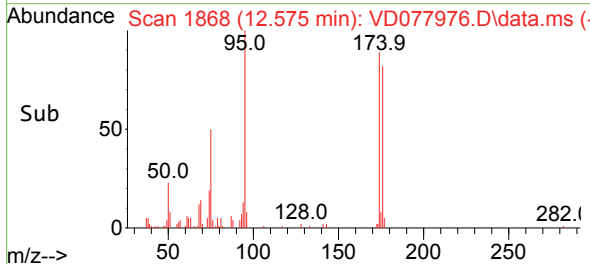
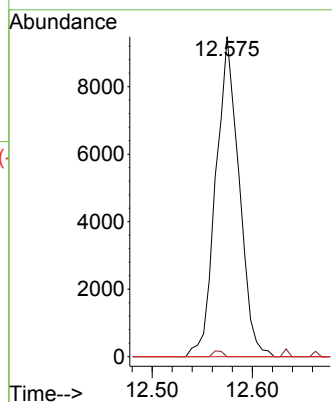
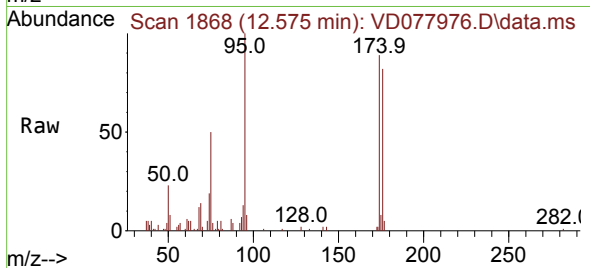




#81
trans-1,4-Dichloro-2-butene
Concen: 104.730 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD077976.D
Acq: 19 Dec 2023 16:12

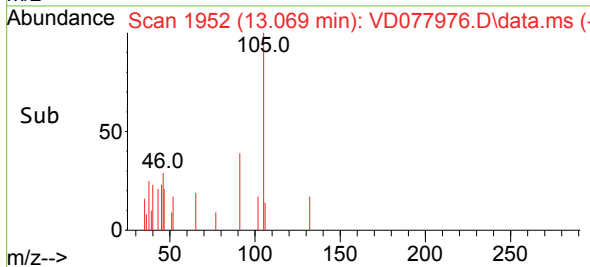
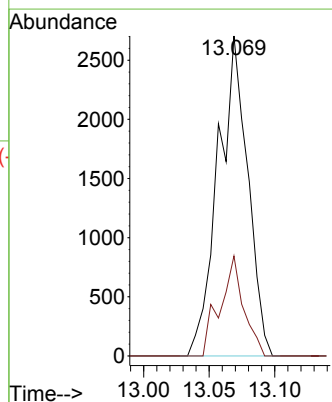
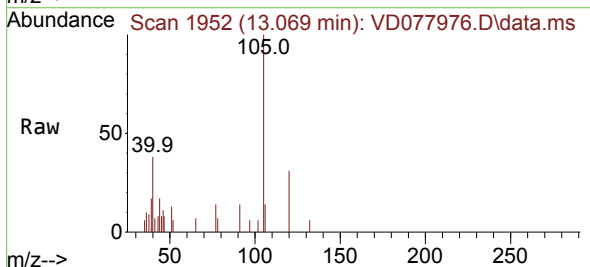
Instrument :
MSVOA_D
ClientSampleId :

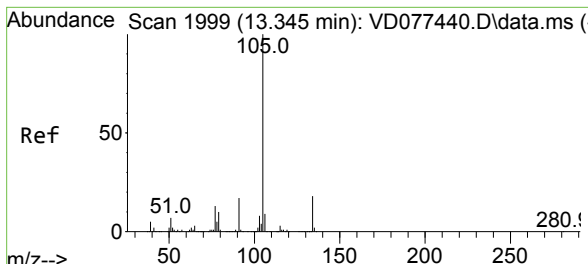
Tgt Ion: 75 Resp: 15242
Ion Ratio Lower Upper
75 100
53 0.8 63.0 94.4#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.983 ug/l
RT: 13.069 min Scan# 1952
Delta R.T. -0.141 min
Lab File: VD077976.D
Acq: 19 Dec 2023 16:12

Tgt Ion: 105 Resp: 4257
Ion Ratio Lower Upper
105 100
120 24.9 24.3 72.9

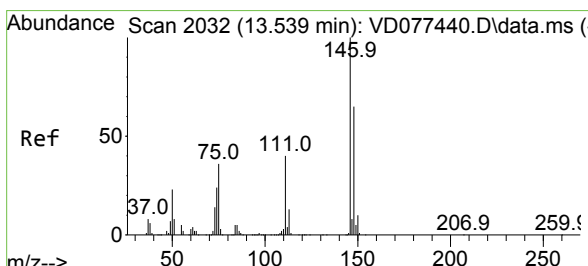
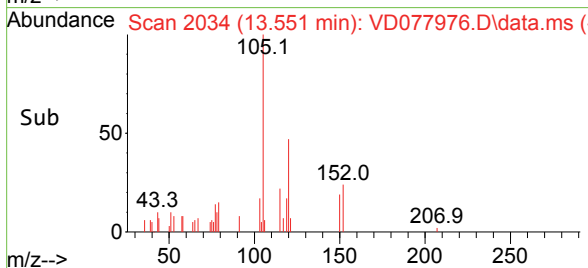
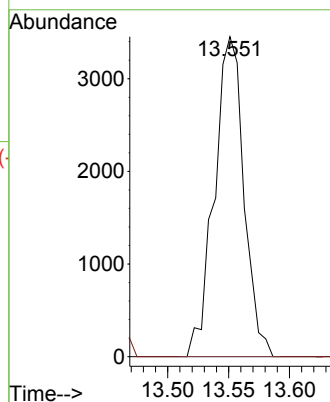
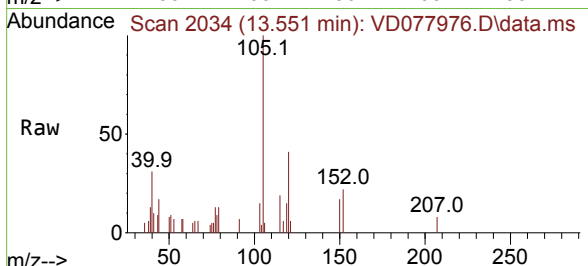




#85
 sec-Butylbenzene
 Concen: 2.181 ug/l
 RT: 13.551 min Scan# 2034
 Delta R.T. 0.206 min
 Lab File: VD077976.D
 Acq: 19 Dec 2023 16:12

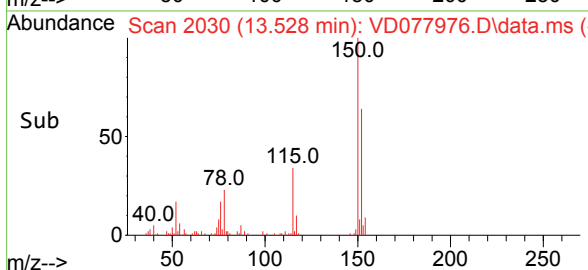
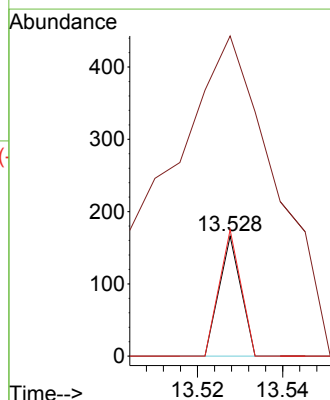
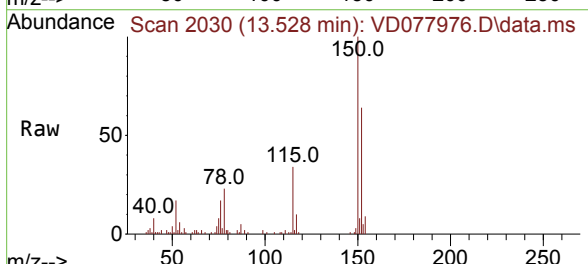
Instrument :
 MSVOA_D
 ClientSampleId :

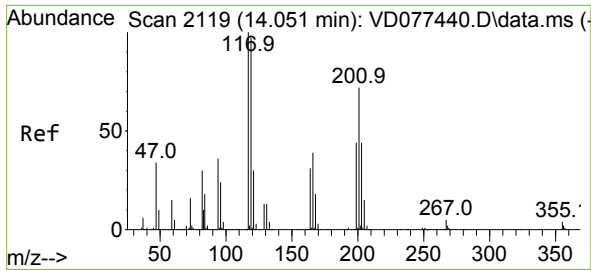
Tgt Ion:105 Resp: 5840
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.9 32.9#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.528 min Scan# 2030
 Delta R.T. -0.011 min
 Lab File: VD077976.D
 Acq: 19 Dec 2023 16:12

Tgt Ion:146 Resp: 59
 Ion Ratio Lower Upper
 146 100
 111 1330.5 17.4 52.3#
 148 105.1 31.7 95.1#





#90

Hexachloroethane

Concen: 1.583 ug/l

RT: 14.063 min Scan# 2119

Delta R.T. 0.012 min

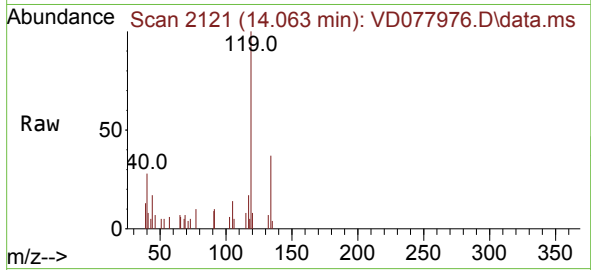
Lab File: VD077976.D

Acq: 19 Dec 2023 16:12

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:117 Resp: 698

Ion Ratio Lower Upper

117 100

201 0.0 38.5 115.5#

