

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077922.D
 Acq On : 16 Dec 2023 01:50
 Operator : RP/MD
 Sample : 05758-37
 Misc : 4.70G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 05:12:42 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)

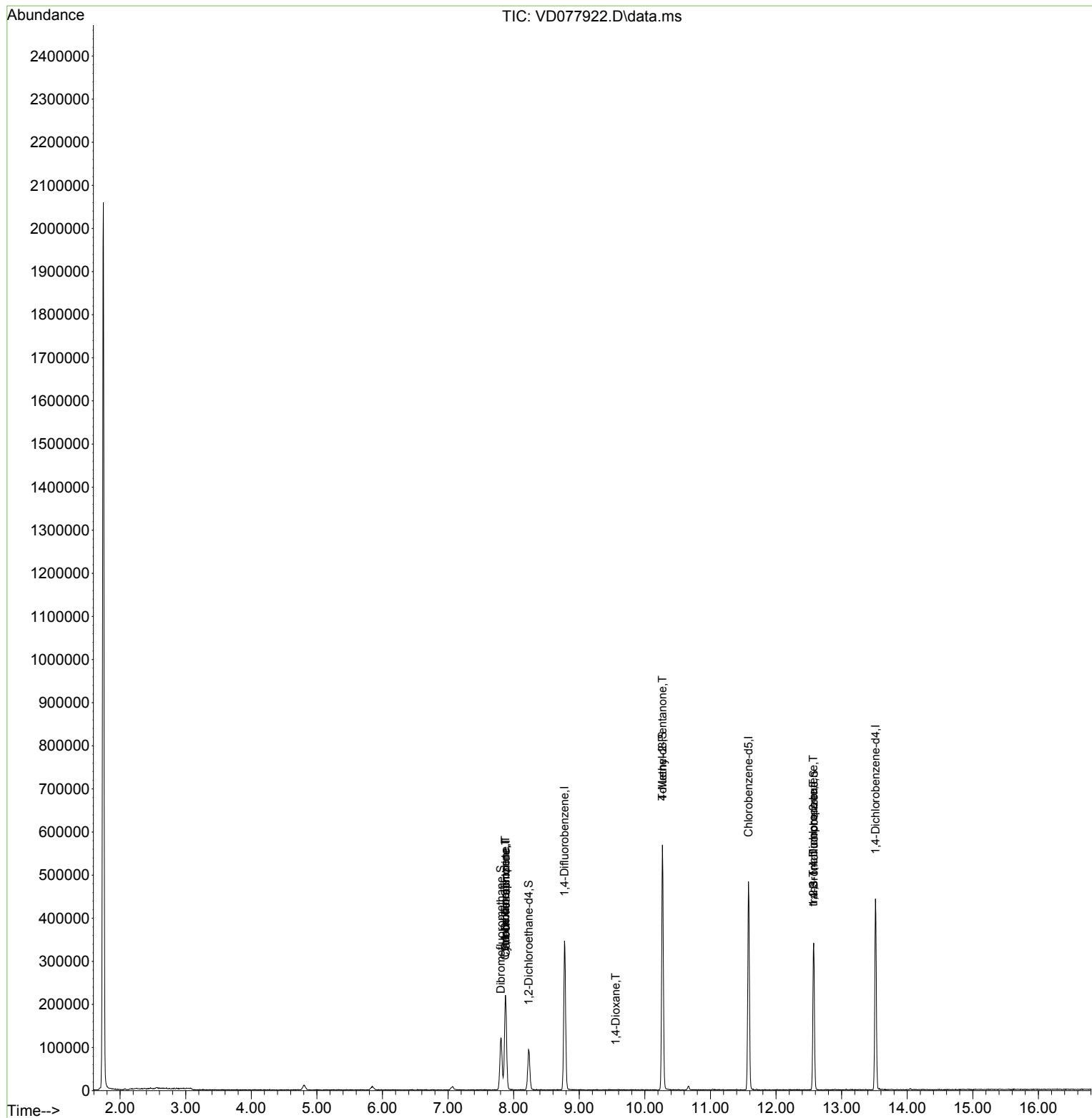
Internal Standards						
1) Pentafluorobenzene	7.875	168	165411	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	302261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	280032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	117657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	71503	36.685	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.360%
35) Dibromofluoromethane	7.805	113	88522	41.810	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.620%
50) Toluene-d8	10.269	98	388177	45.777	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.560%
62) 4-Bromofluorobenzene	12.575	95	105050	41.436	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.880%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.128	59	74	Below Cal	#	73
16) Acetone	4.028	43	414	Below Cal	#	32
20) Methylene Chloride	4.799	84	8276	Below Cal		89
25) 2-Butanone	7.075	43	385	Below Cal	#	37
31) Cyclohexane	7.869	56	3808	1.098	ug/l #	24
36) 1,1-Dichloropropene	7.875	75	13811	4.078	ug/l #	47
38) Carbon Tetrachloride	7.881	117	16288	4.824	ug/l #	14
49) 1,4-Dioxane	9.557	88	71	5.783	ug/l #	3
51) 4-Methyl-2-Pentanone	10.269	43	1383	1.154	ug/l #	1
65) Chlorobenzene	11.604	112	56	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.569	75	54235	53.075	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	54235	107.534	ug/l #	17
88) 1,4-Dichlorobenzene	13.522	146	267	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.192	75	54	Below Cal	#	1

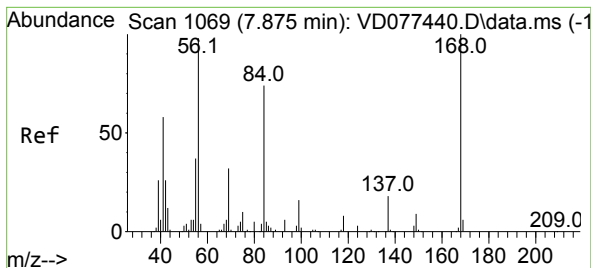
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077922.D

Acq: 16 Dec 2023 01:50

Instrument :

MSVOA_D

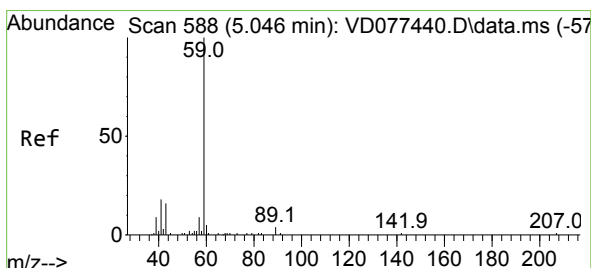
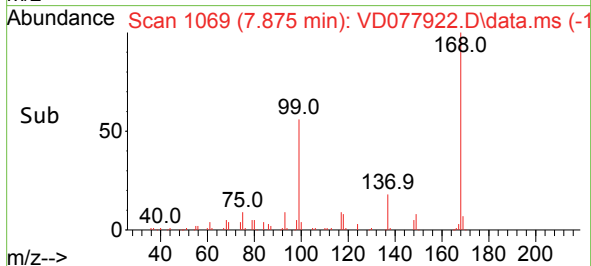
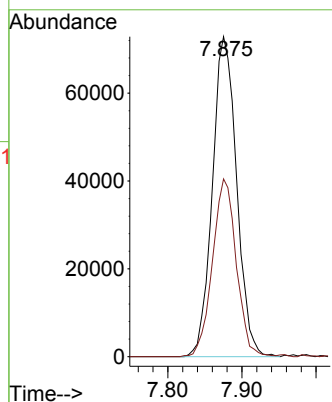
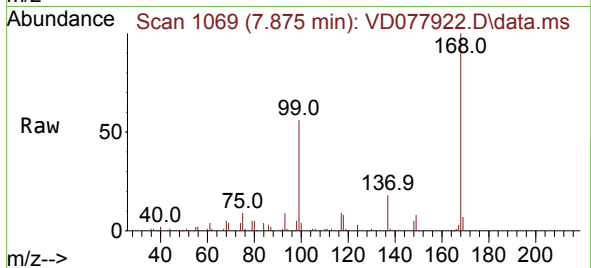
ClientSampleId :

Tgt Ion:168 Resp: 165411

Ion Ratio Lower Upper

168 100

99 55.6 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.128 min Scan# 602

Delta R.T. 0.082 min

Lab File: VD077922.D

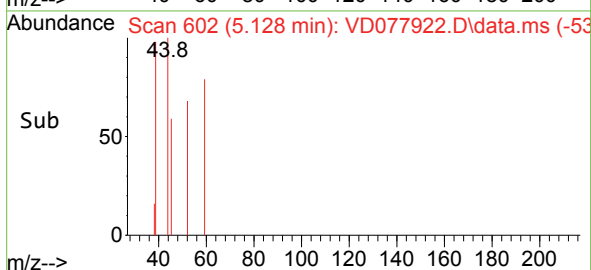
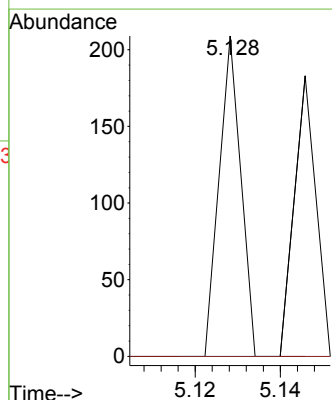
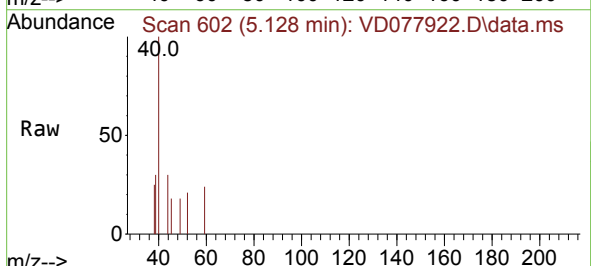
Acq: 16 Dec 2023 01:50

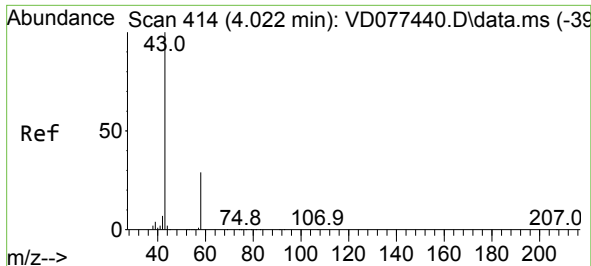
Tgt Ion: 59 Resp: 74

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

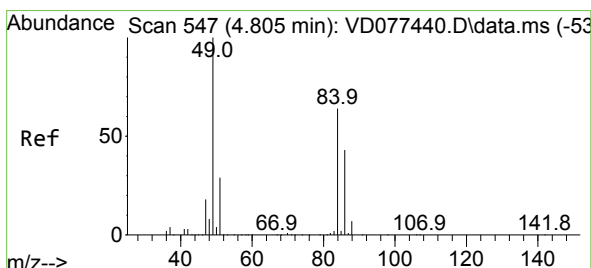
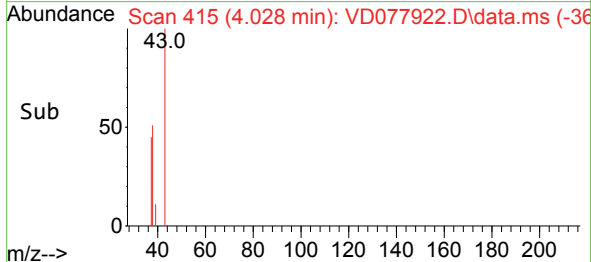
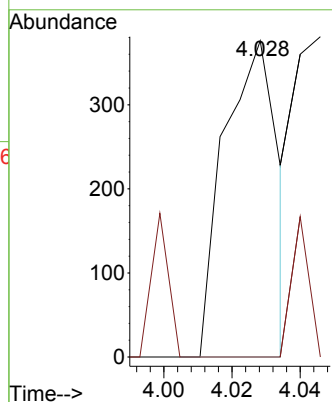
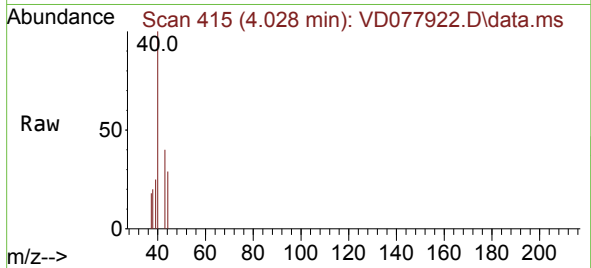




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

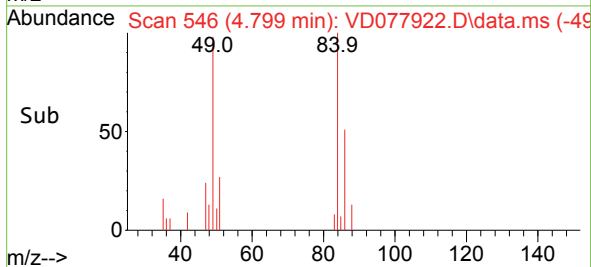
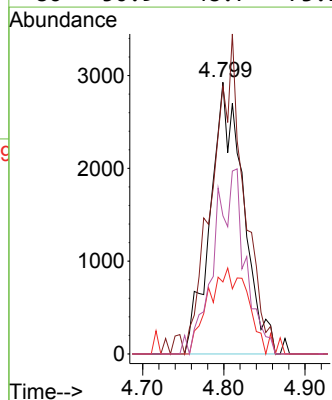
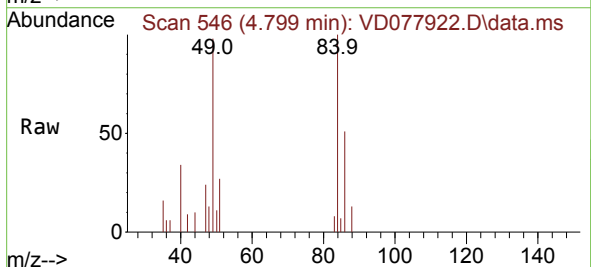
Instrument :
MSVOA_D
ClientSampleId :

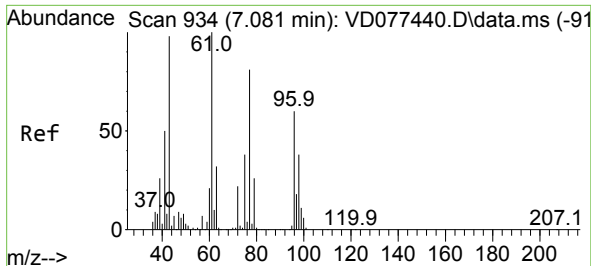
Tgt Ion: 43 Resp: 414
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

Tgt Ion: 84 Resp: 8276
Ion Ratio Lower Upper
84 100
49 98.5 71.4 107.2
51 26.5 24.5 36.7
86 50.9 48.7 73.1

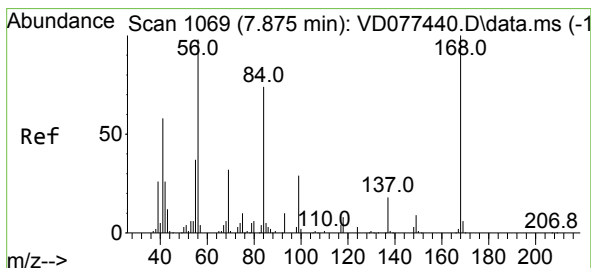
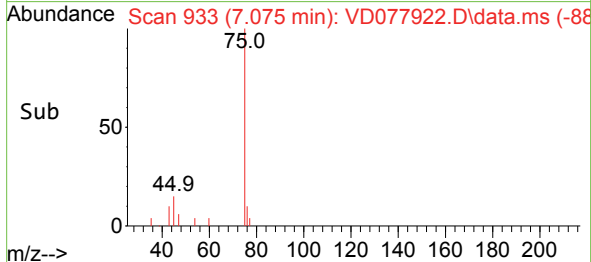
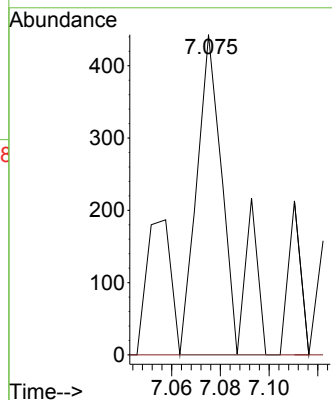
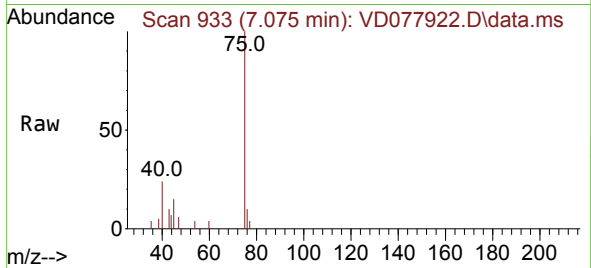




#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

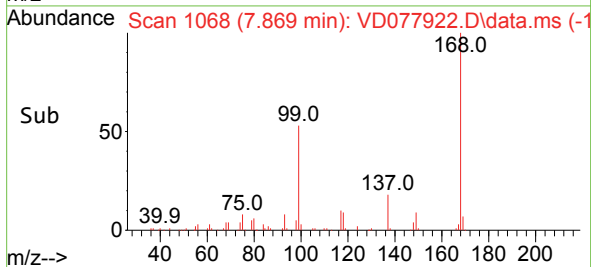
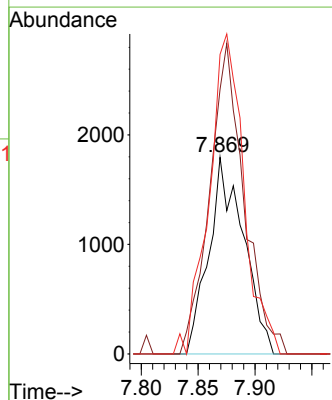
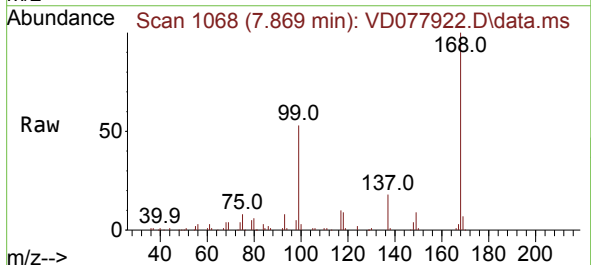
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.098 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

Tgt Ion: 56 Resp: 3808
Ion Ratio Lower Upper
56 100
69 134.5 28.6 43.0#
84 152.3 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 36.685 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077922.D

Acq: 16 Dec 2023 01:50

Instrument :

MSVOA_D

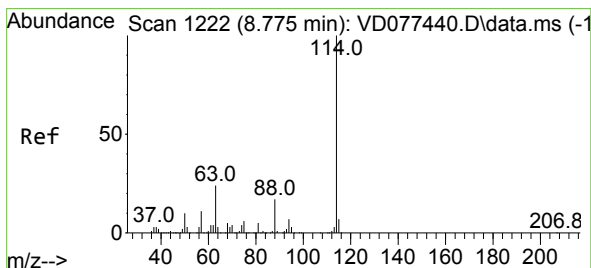
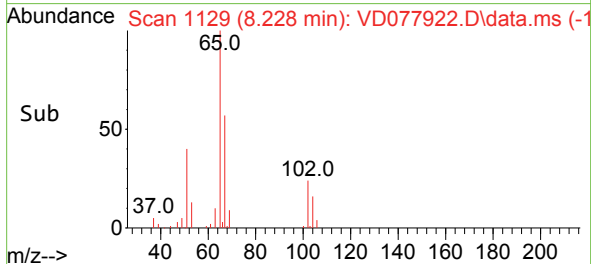
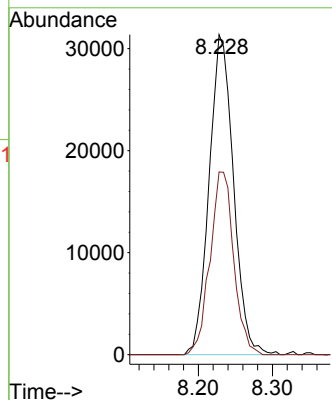
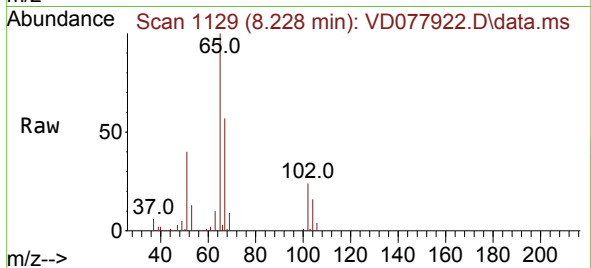
ClientSampleId :

Tgt Ion: 65 Resp: 71503

Ion Ratio Lower Upper

65 100

67 55.7 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: VD077922.D

Acq: 16 Dec 2023 01:50

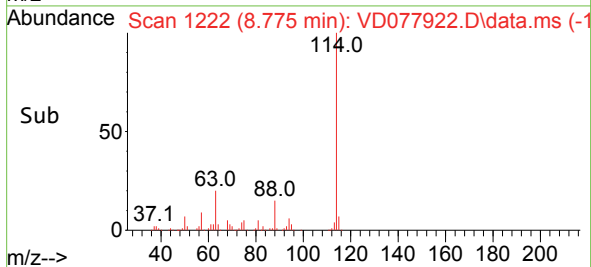
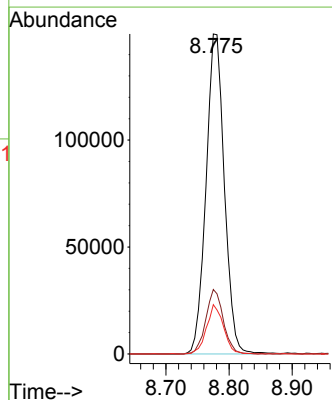
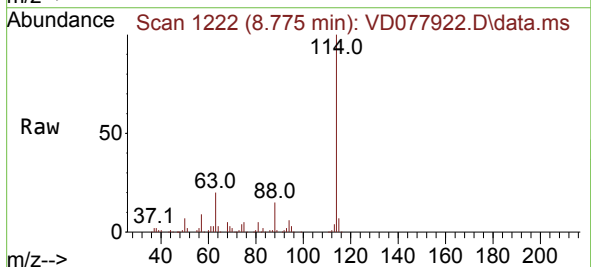
Tgt Ion: 114 Resp: 302261

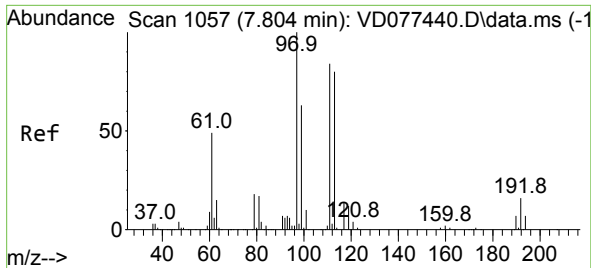
Ion Ratio Lower Upper

114 100

63 20.2 0.0 33.4

88 15.4 0.0 26.2

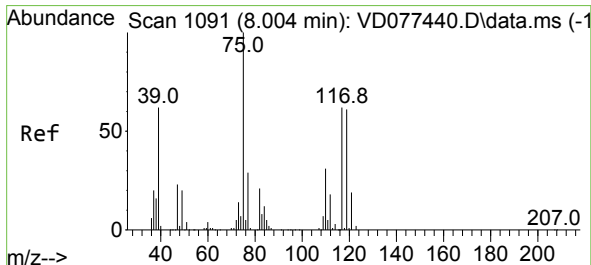
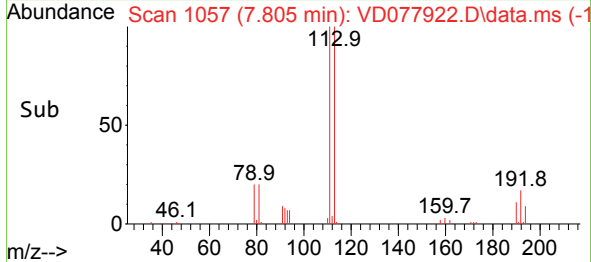
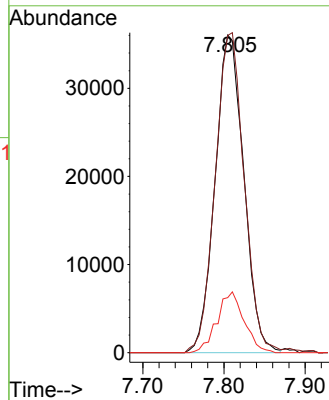
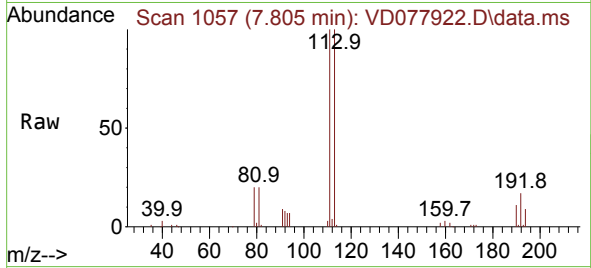




#35
Dibromofluoromethane
Concen: 41.810 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

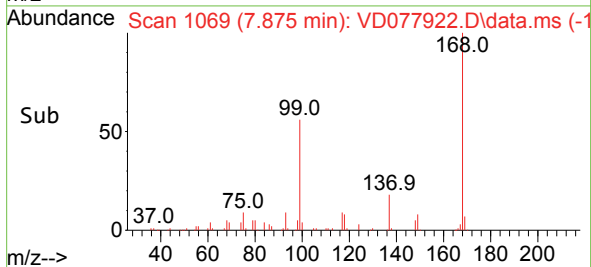
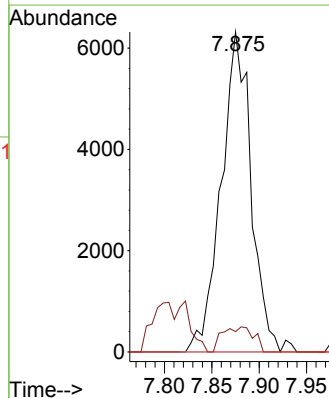
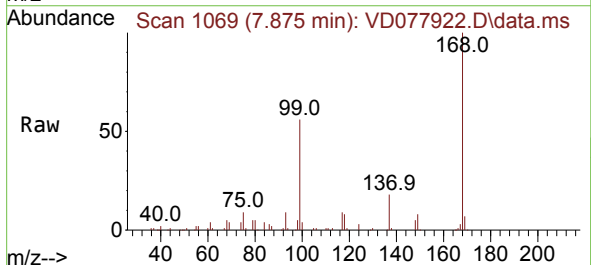
Instrument :
MSVOA_D
ClientSampleId :

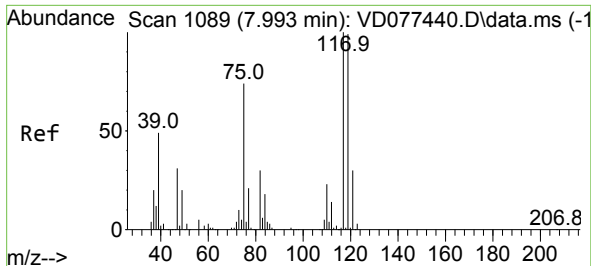
Tgt Ion:113 Resp: 88522
Ion Ratio Lower Upper
113 100
111 102.1 84.7 127.1
192 18.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.078 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

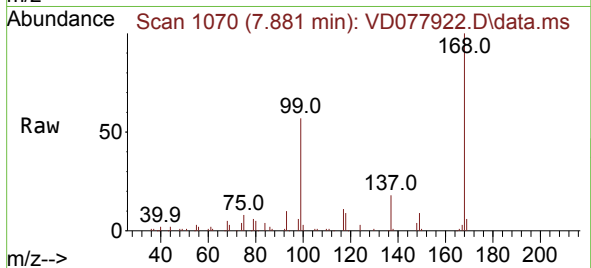
Tgt Ion: 75 Resp: 13811
Ion Ratio Lower Upper
75 100
110 8.3 19.9 59.6#
77 0.0 24.7 37.1#



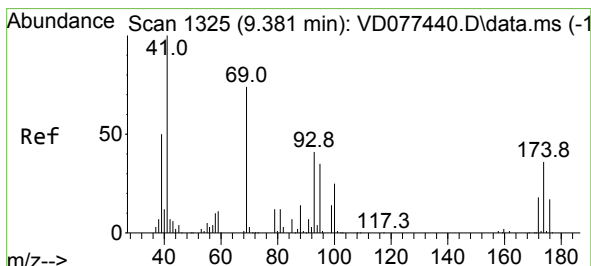
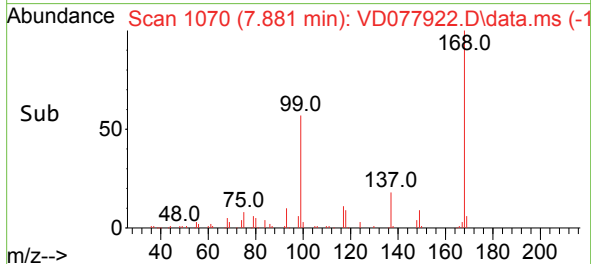
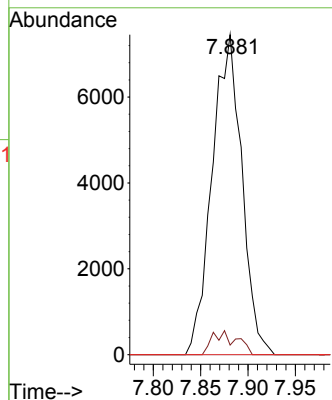


#38
Carbon Tetrachloride
Concen: 4.824 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

Instrument :
MSVOA_D
ClientSampleId :

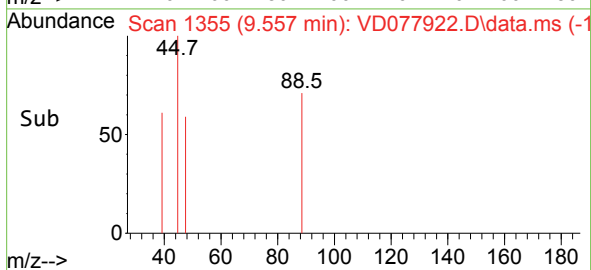
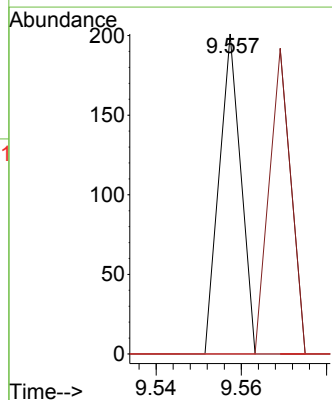
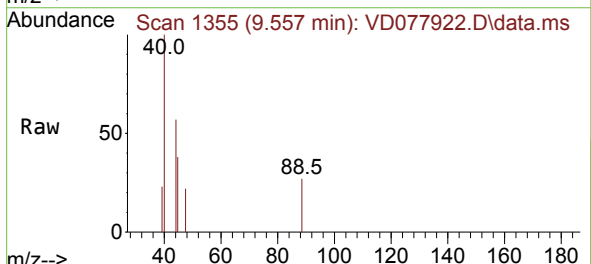


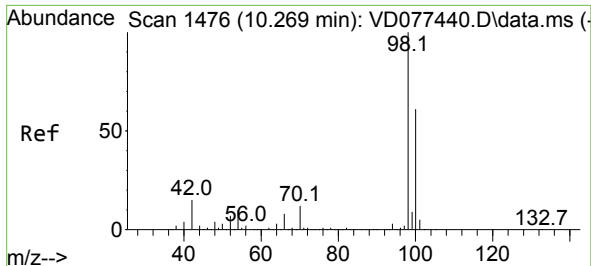
Tgt Ion:117 Resp: 16288
Ion Ratio Lower Upper
117 100
119 3.0 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 5.783 ug/l
RT: 9.557 min Scan# 1355
Delta R.T. 0.176 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 95.8 19.0 28.6#
58 0.0 43.5 65.3#

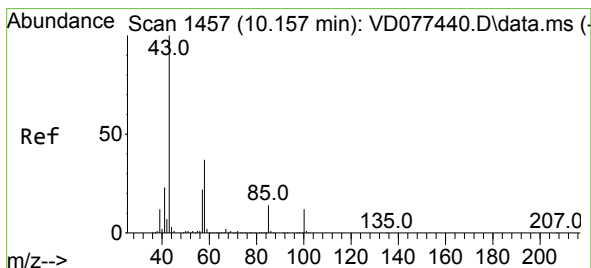
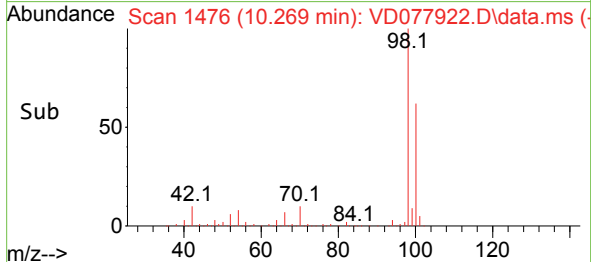
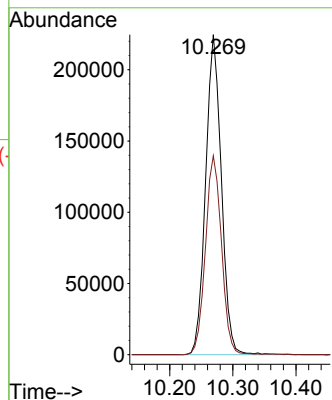
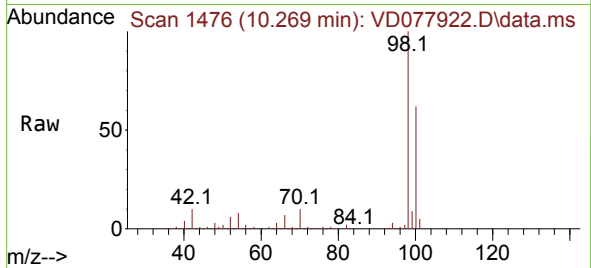




#50
Toluene-d8
Concen: 45.777 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

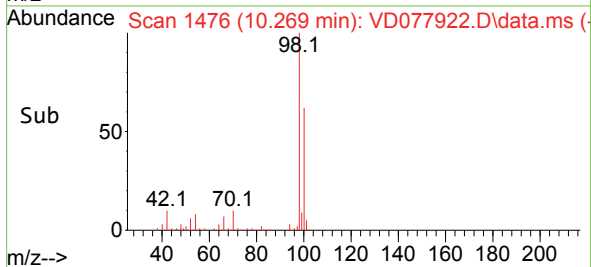
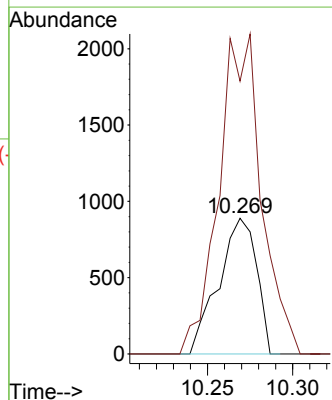
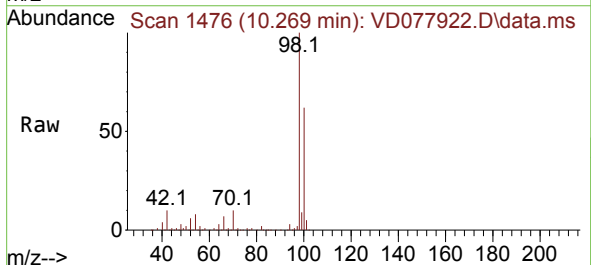
Instrument :
MSVOA_D
ClientSampleId :

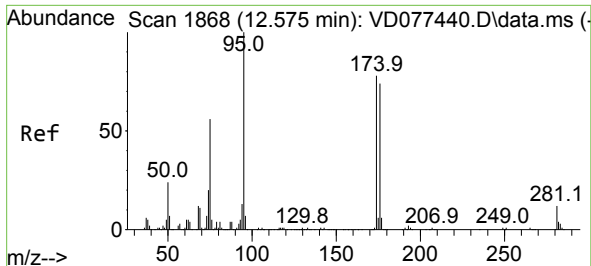
Tgt Ion: 98 Resp: 388177
Ion Ratio Lower Upper
98 100
100 63.4 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.154 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

Tgt Ion: 43 Resp: 1383
Ion Ratio Lower Upper
43 100
58 263.3 38.9 58.3#

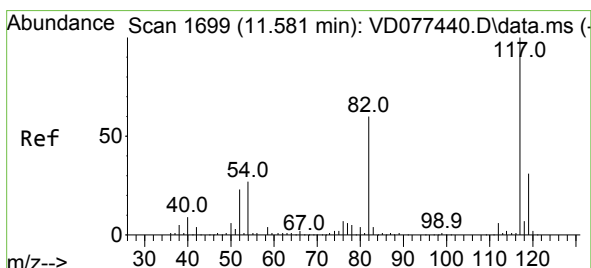
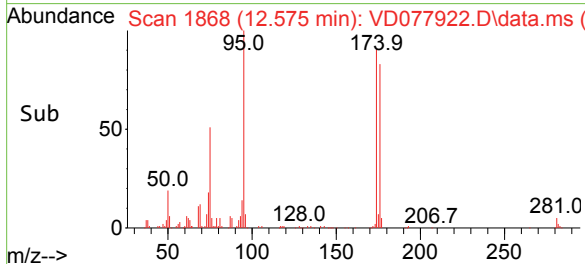
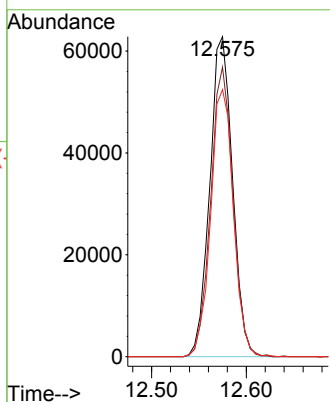
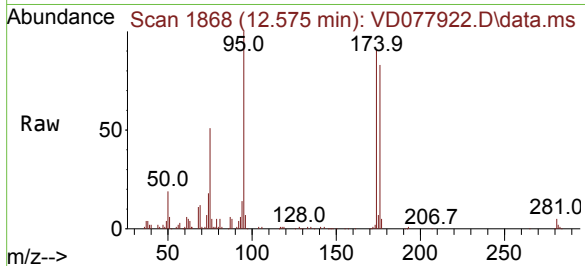




#62
4-Bromofluorobenzene
Concen: 41.436 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

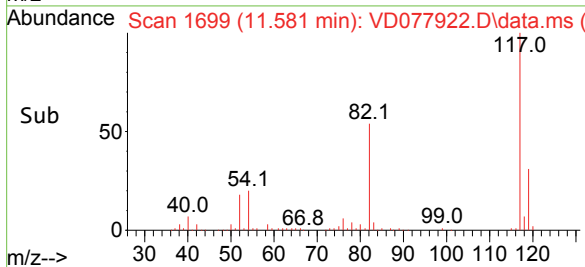
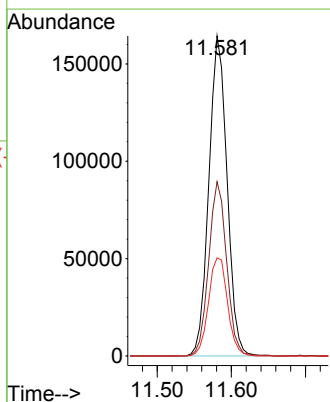
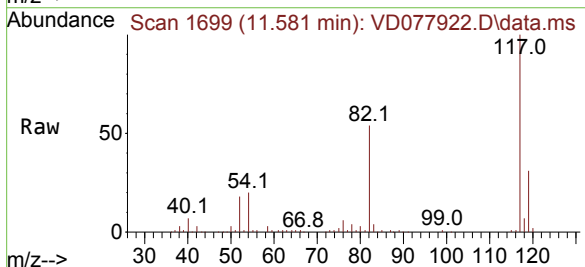
Instrument :
MSVOA_D
ClientSampleId :

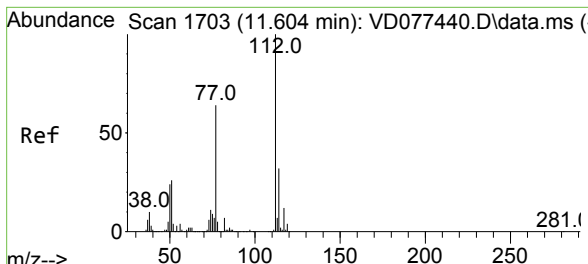
Tgt Ion: 95 Resp: 105050
Ion Ratio Lower Upper
95 100
174 88.5 0.0 201.8
176 83.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

Tgt Ion: 117 Resp: 280032
Ion Ratio Lower Upper
117 100
82 54.4 38.3 57.5
119 30.7 25.0 37.4

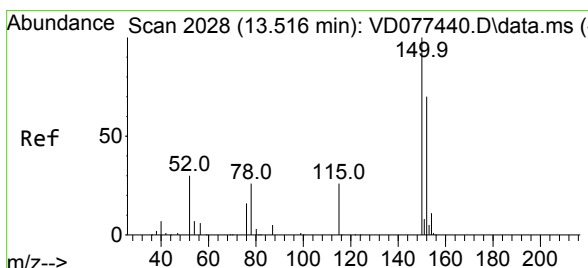
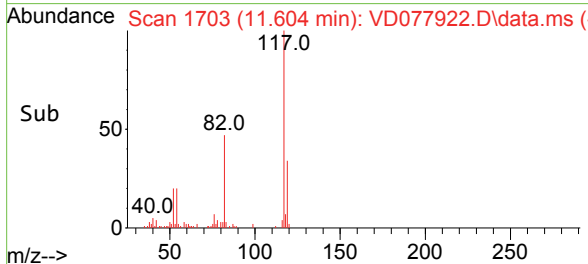
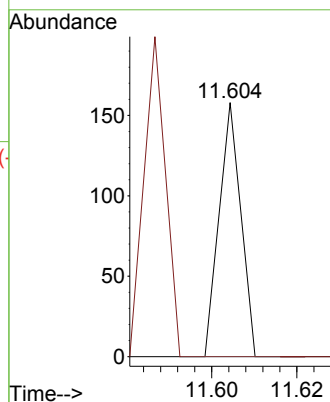
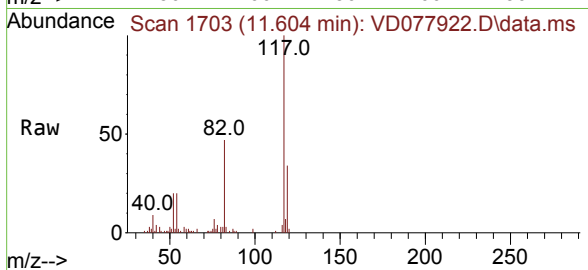




#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

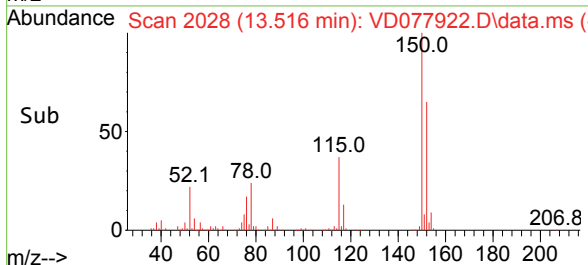
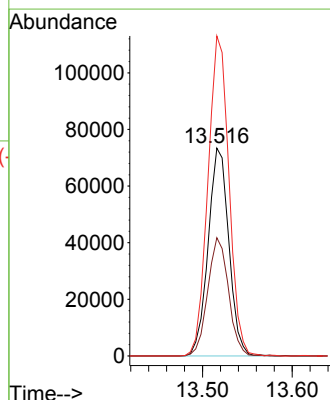
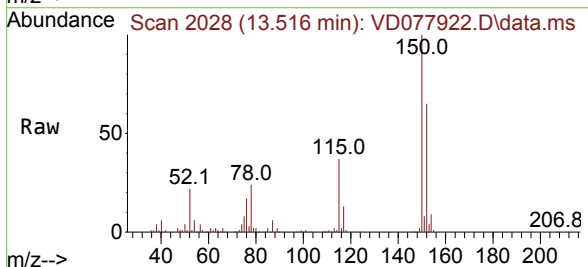
Instrument :
MSVOA_D
ClientSampleId :

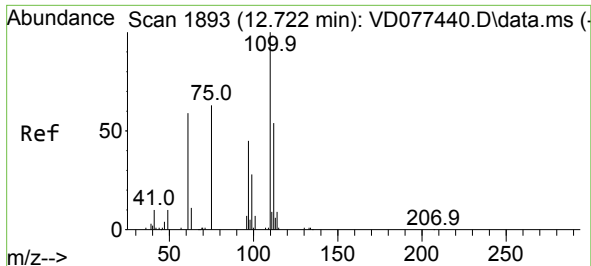
Tgt Ion:112 Resp: 56
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

Tgt Ion:152 Resp: 117657
Ion Ratio Lower Upper
152 100
115 57.1 27.1 81.3
150 156.2 0.0 353.6

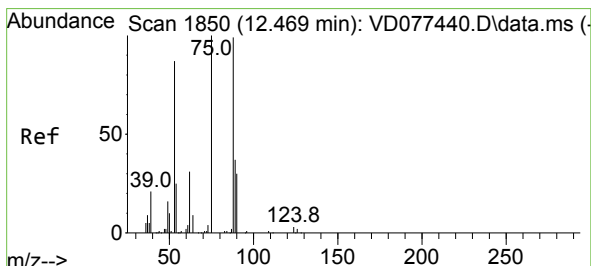
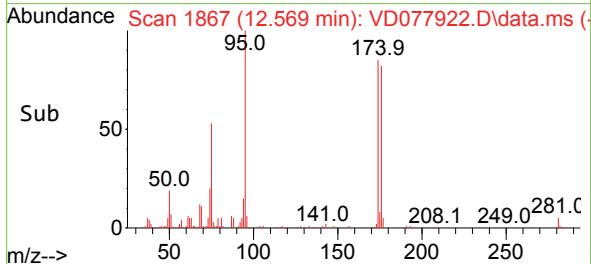
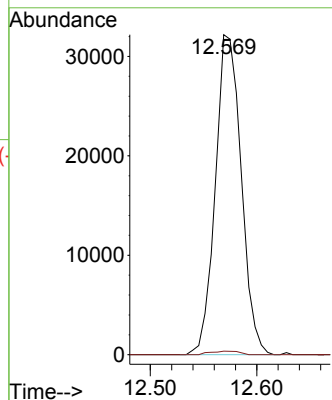
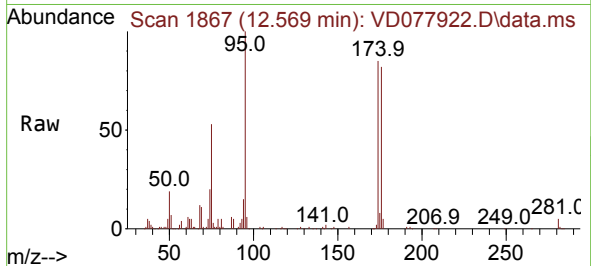




#76
1,2,3-Trichloropropane
Concen: 53.075 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

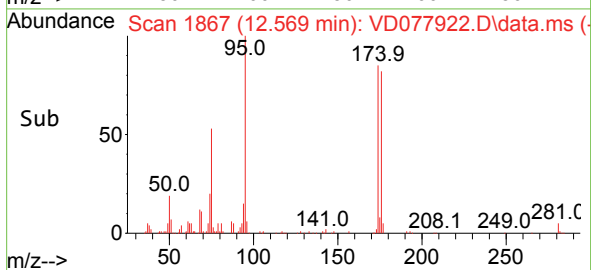
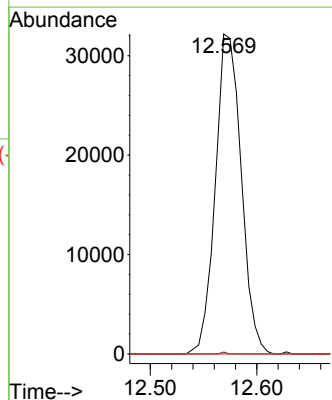
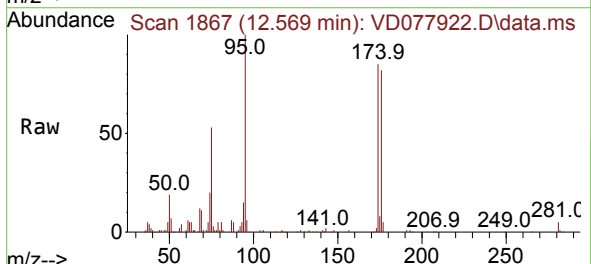
Instrument :
MSVOA_D
ClientSampleId :

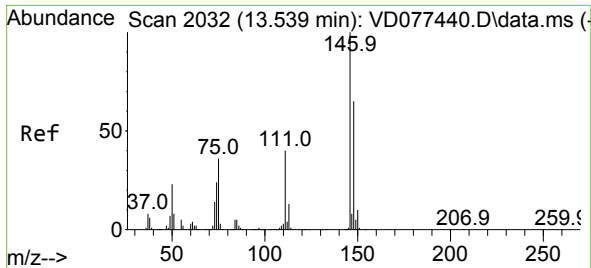
Tgt Ion: 75 Resp: 54235
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.534 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD077922.D
Acq: 16 Dec 2023 01:50

Tgt Ion: 75 Resp: 54235
Ion Ratio Lower Upper
75 100
53 0.1 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

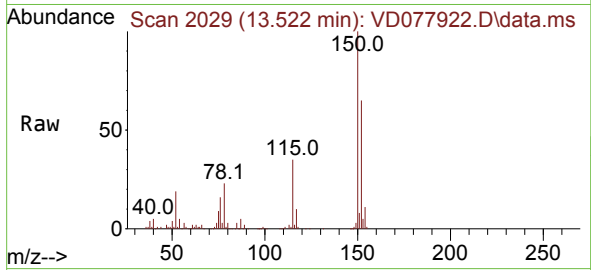
Lab File: VD077922.D

Acq: 16 Dec 2023 01:50

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	146	Resp:	267
Ion	Ratio	Lower	Upper
146	100		
111	497.0	17.4	52.3#
148	280.1	31.7	95.1#

