

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077826.D
 Acq On : 11 Dec 2023 21:58
 Operator : JC/SY
 Sample : 05701-01
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 00:53:32 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)

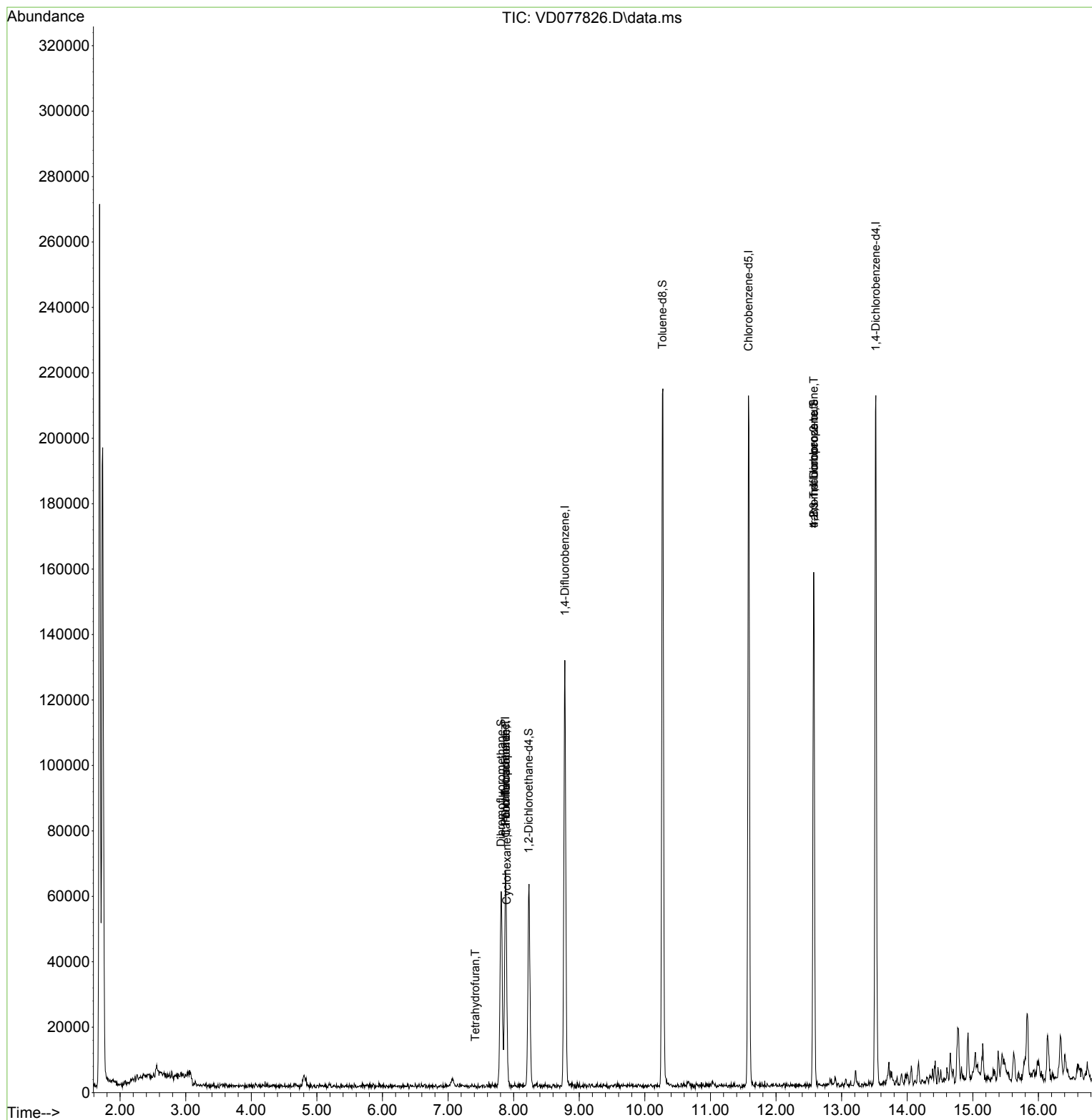
Internal Standards						
1) Pentafluorobenzene	7.875	168	50921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	114791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	121174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	57745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	46087	76.808	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.620%	
35) Dibromofluoromethane	7.810	113	43209	53.738	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.480%	
50) Toluene-d8	10.269	98	154092	47.848	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.700%	
62) 4-Bromofluorobenzene	12.575	95	47086	48.904	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.800%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.963	59	60	Below Cal	#	73
16) Acetone	4.028	43	54	Below Cal	#	32
20) Methylene Chloride	4.822	84	2292	Below Cal	#	87
25) 2-Butanone	7.075	43	63	Below Cal	#	37
29) Tetrahydrofuran	7.416	42	190	1.989	ug/l #	23
31) Cyclohexane	7.893	56	1181	1.107	ug/l #	48
36) 1,1-Dichloropropene	7.881	75	3865	3.005	ug/l #	46
38) Carbon Tetrachloride	7.881	117	5472	4.268	ug/l #	16
65) Chlorobenzene	11.598	112	87	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	24799	49.448	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	24799	100.185	ug/l #	17
88) 1,4-Dichlorobenzene	13.528	146	179	Below Cal	#	53
92) 1,2-Dibromo-3-Chloropr...	14.475	75	71	Below Cal	#	1

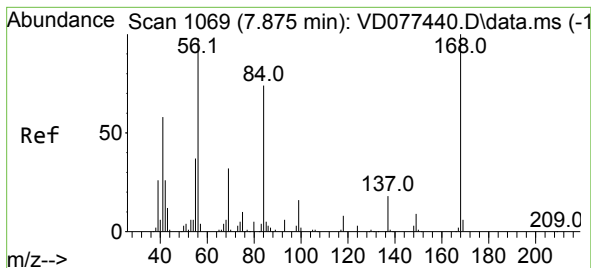
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 08 13:33:18 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD077826.D

Acq: 11 Dec 2023 21:58

Instrument :

MSVOA_D

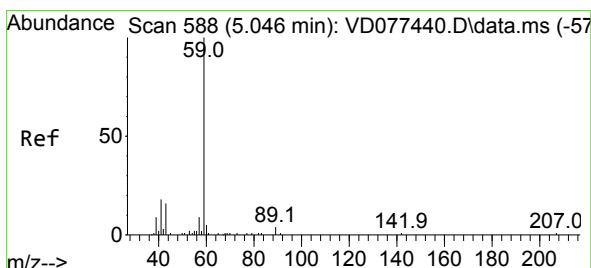
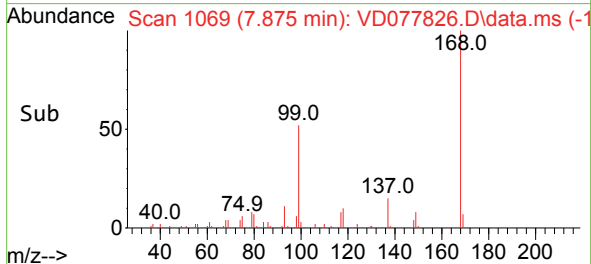
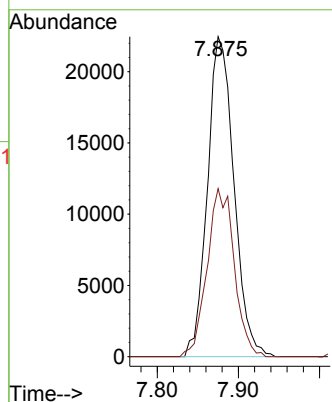
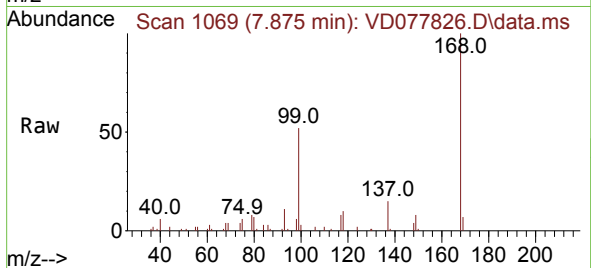
ClientSampleId :

Tgt Ion:168 Resp: 50921

Ion Ratio Lower Upper

168 100

99 52.5 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.963 min Scan# 574

Delta R.T. -0.083 min

Lab File: VD077826.D

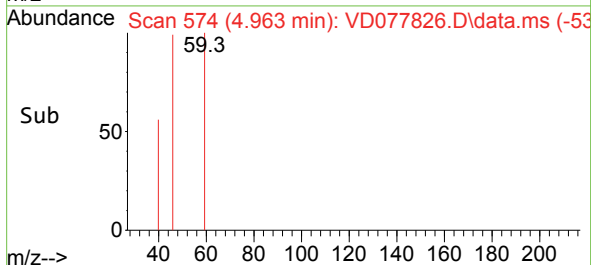
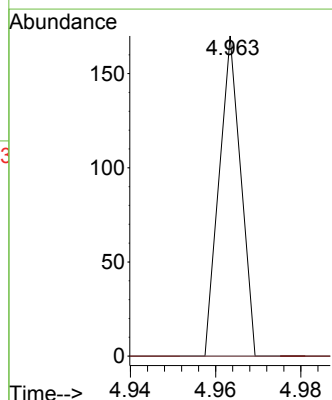
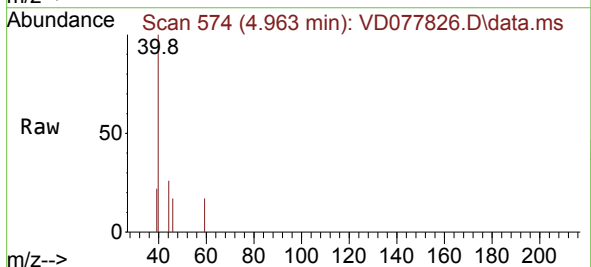
Acq: 11 Dec 2023 21:58

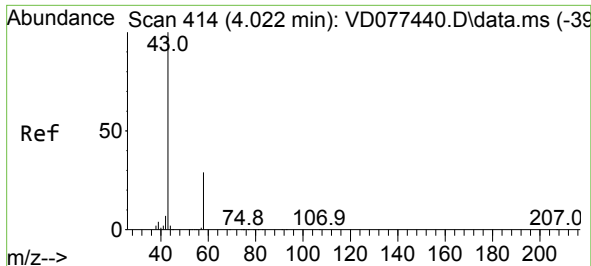
Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

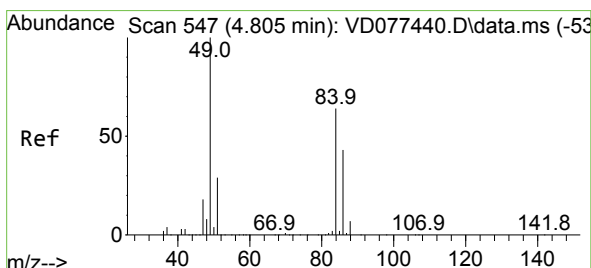
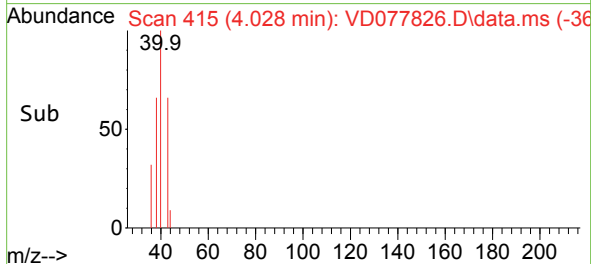
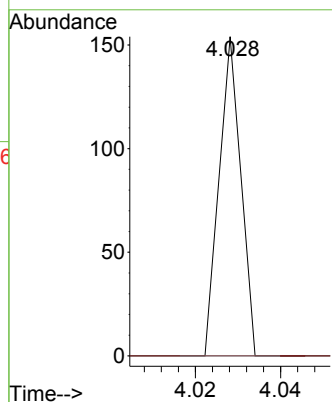
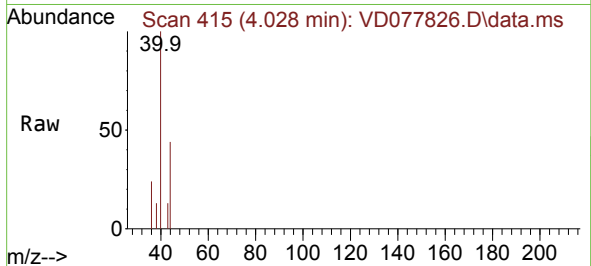




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

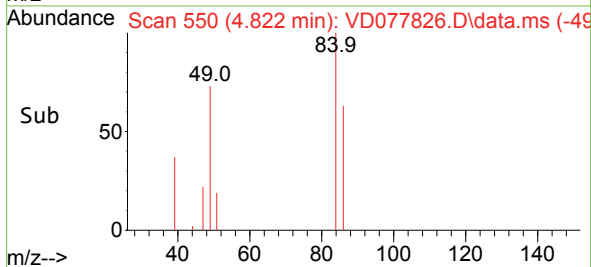
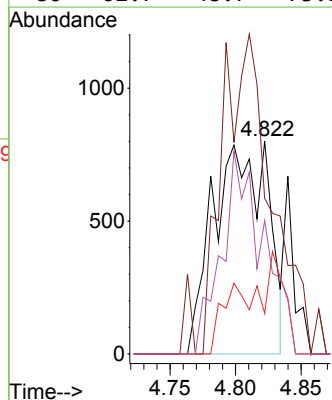
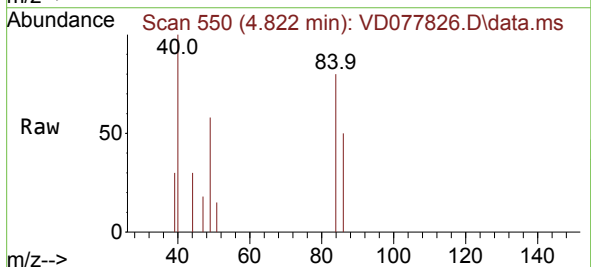
Instrument :
MSVOA_D
ClientSampleId :

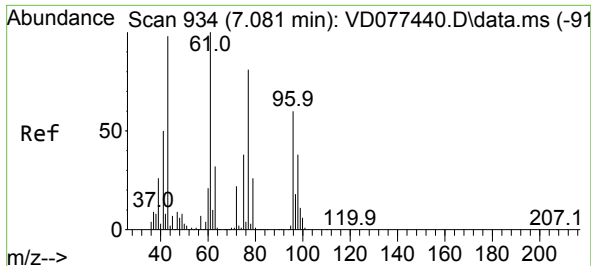
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.822 min Scan# 550
Delta R.T. 0.017 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

Tgt Ion: 84 Resp: 2292
Ion Ratio Lower Upper
84 100
49 73.0 71.4 107.2
51 19.1 24.5 36.7#
86 62.7 48.7 73.1





#25

2-Butanone

Concen: Below Cal

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

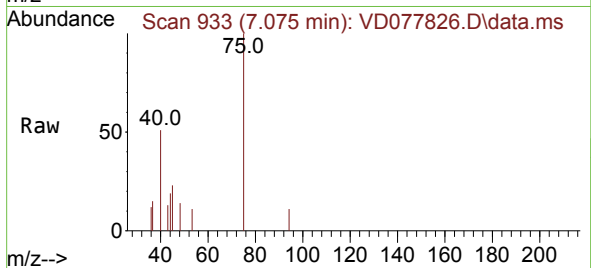
Lab File: VD077826.D

Acq: 11 Dec 2023 21:58

Instrument :

MSVOA_D

ClientSampleId :

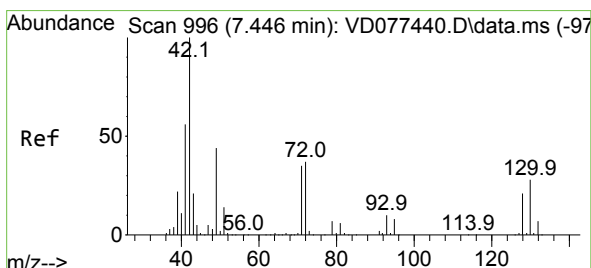
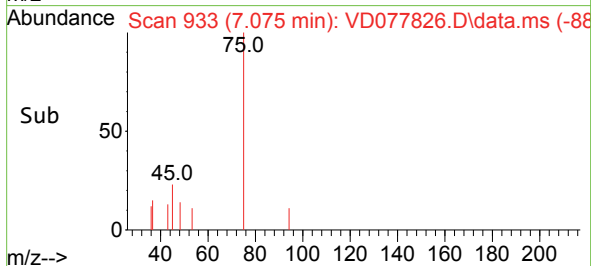
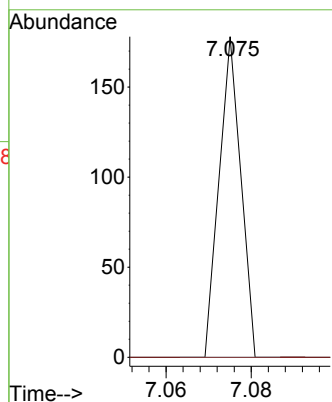


Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#29

Tetrahydrofuran

Concen: 1.989 ug/l

RT: 7.416 min Scan# 991

Delta R.T. -0.030 min

Lab File: VD077826.D

Acq: 11 Dec 2023 21:58

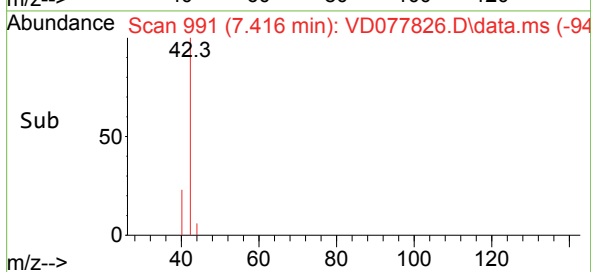
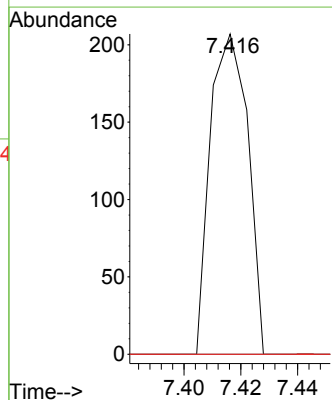
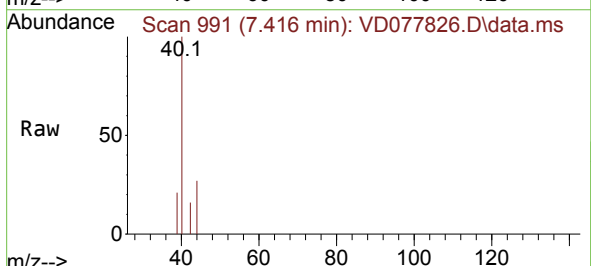
Tgt Ion: 42 Resp: 190

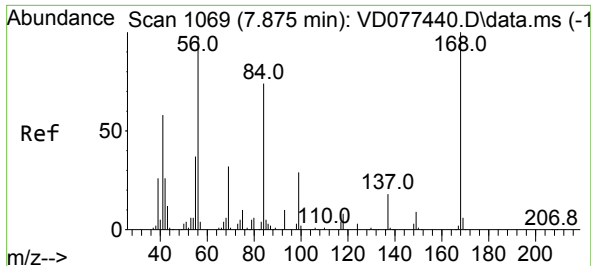
Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

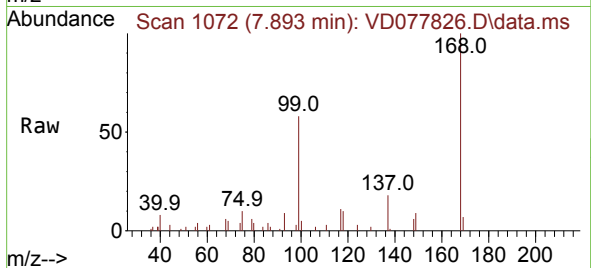
71 0.0 44.5 66.7#



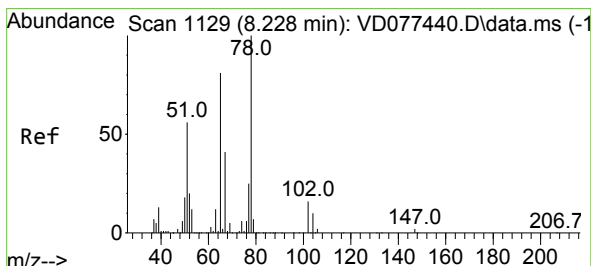
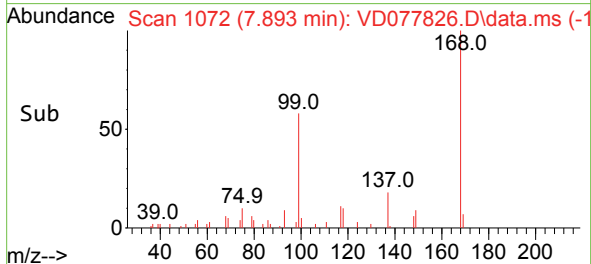
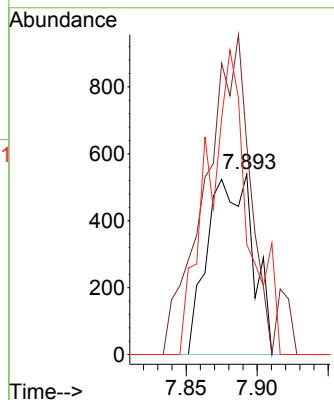


#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.893 min Scan# 1069
Delta R.T. 0.018 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

Instrument :
MSVOA_D
ClientSampleId :

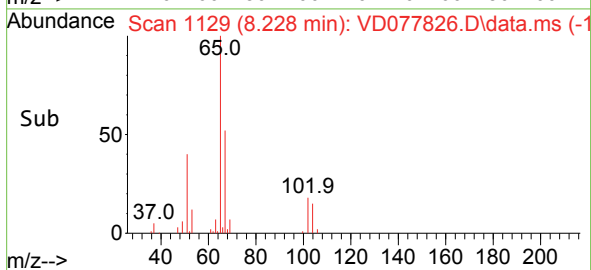
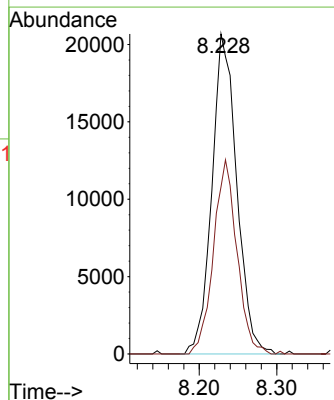
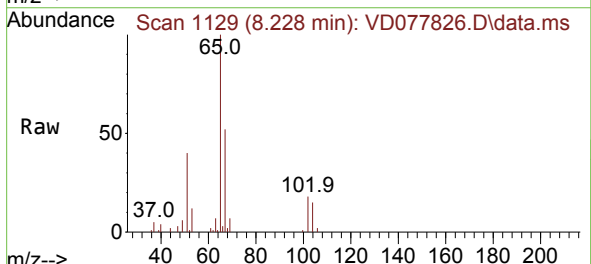


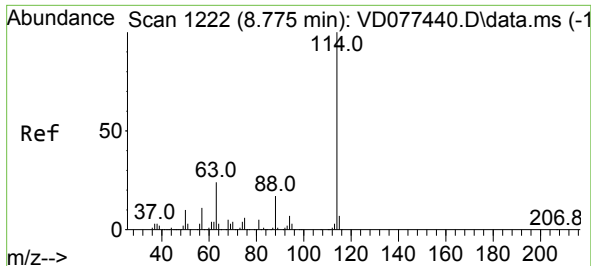
Tgt Ion: 56 Resp: 1181
Ion Ratio Lower Upper
56 100
69 80.0 28.6 43.0#
84 61.0 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 76.808 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

Tgt Ion: 65 Resp: 46087
Ion Ratio Lower Upper
65 100
67 57.3 0.0 115.0

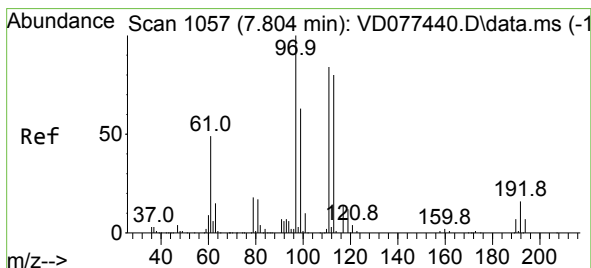
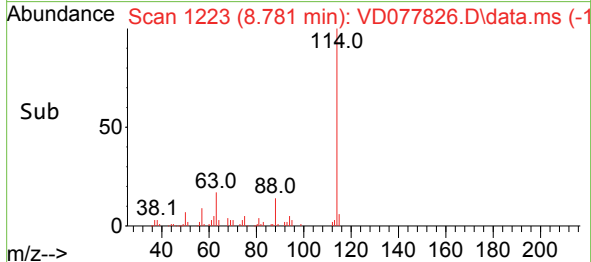
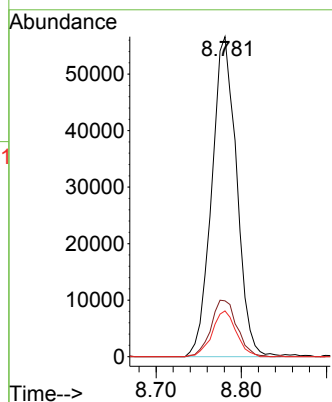
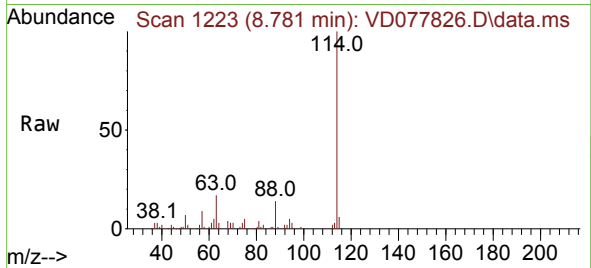




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

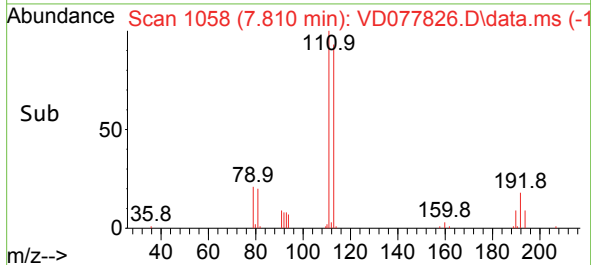
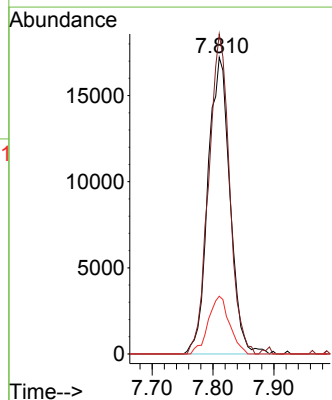
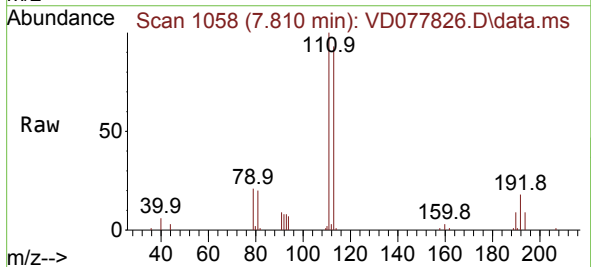
Instrument :
MSVOA_D
ClientSampleId :

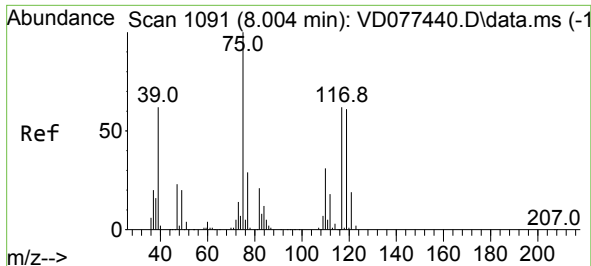
Tgt Ion:114 Resp: 114791
Ion Ratio Lower Upper
114 100
63 17.5 0.0 33.4
88 14.3 0.0 26.2



#35
Dibromofluoromethane
Concen: 53.738 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

Tgt Ion:113 Resp: 43209
Ion Ratio Lower Upper
113 100
111 102.4 84.7 127.1
192 18.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.005 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

Lab File: VD077826.D

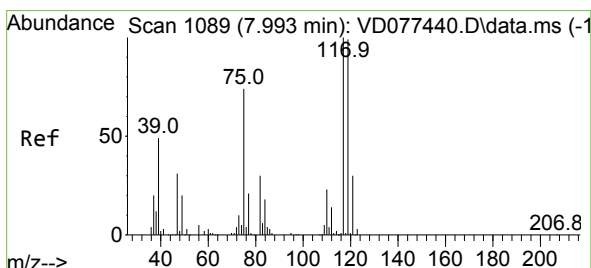
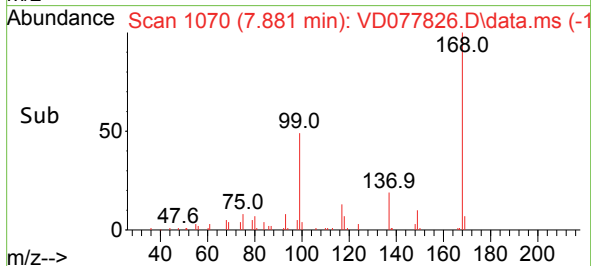
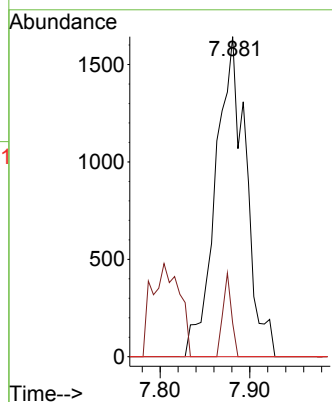
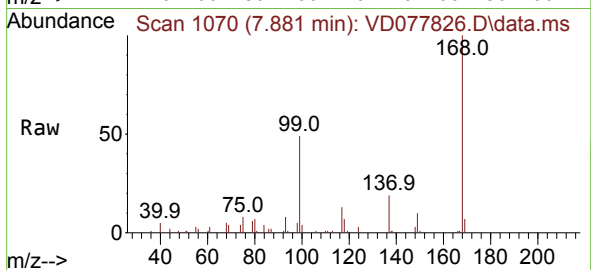
Acq: 11 Dec 2023 21:58

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp:	3865
Ion Ratio	Lower	Upper
75	100	
110	7.4	19.9 59.6#
77	0.0	24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.268 ug/l

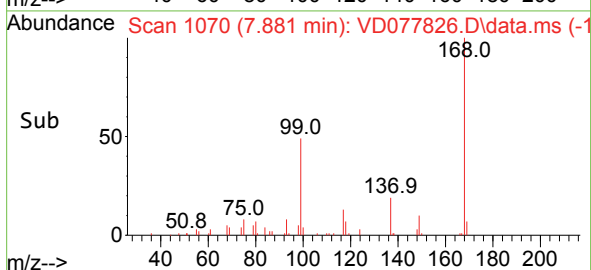
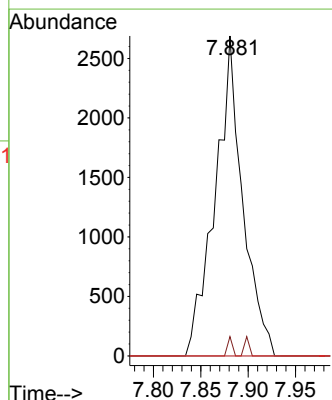
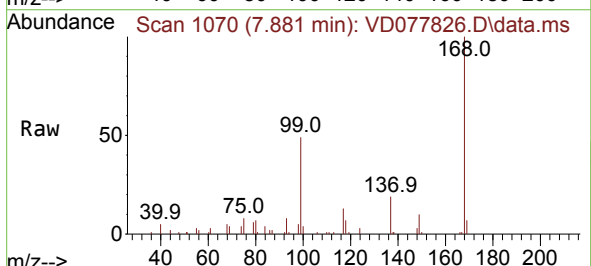
RT: 7.881 min Scan# 1070

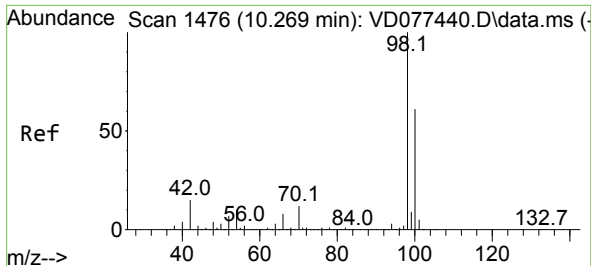
Delta R.T. -0.112 min

Lab File: VD077826.D

Acq: 11 Dec 2023 21:58

Tgt Ion: 117	Resp:	5472
Ion Ratio	Lower	Upper
117	100	
119	6.1	78.0 117.0#
121	0.0	24.2 36.2#

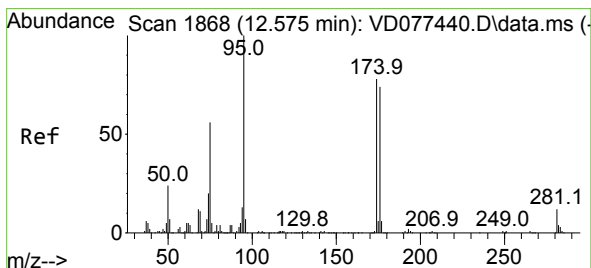
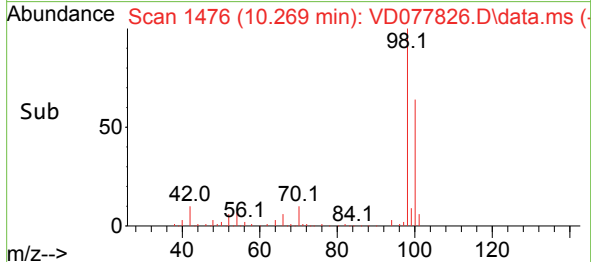
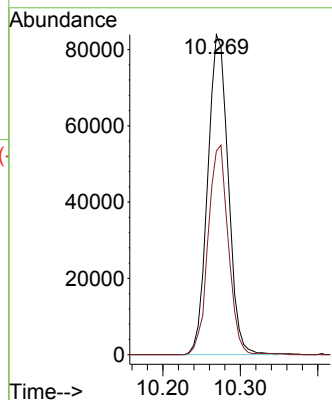
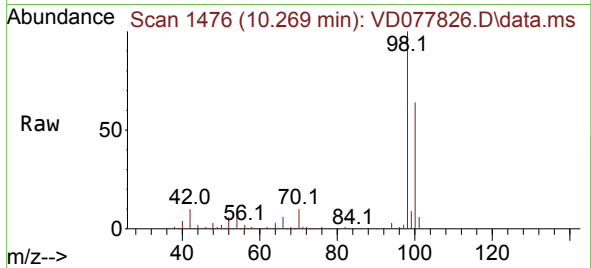




#50
Toluene-d8
Concen: 47.848 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

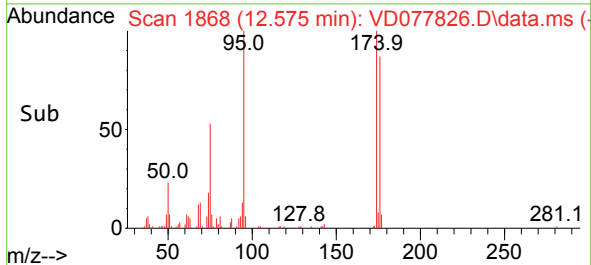
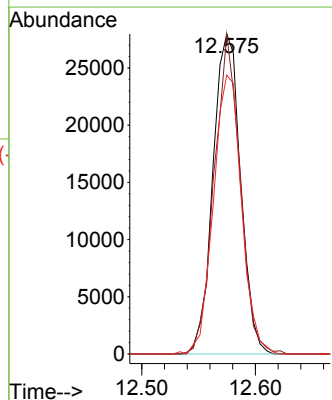
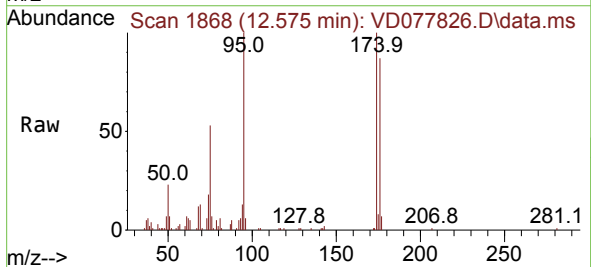
Instrument :
MSVOA_D
ClientSampleId :

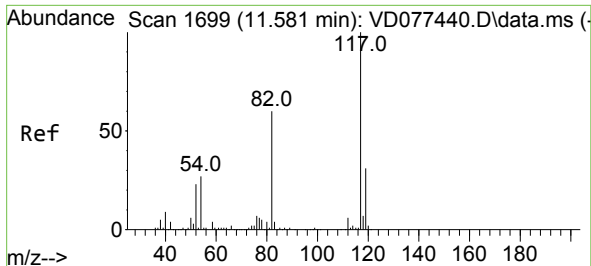
Tgt Ion: 98 Resp: 154092
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 48.904 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

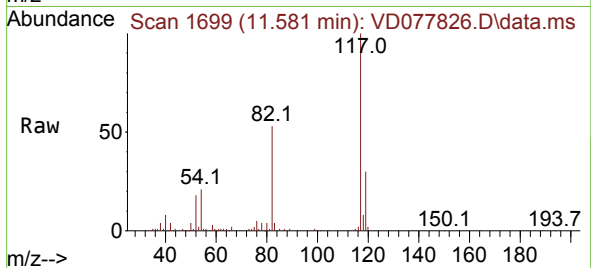
Tgt Ion: 95 Resp: 47086
Ion Ratio Lower Upper
95 100
174 93.9 0.0 201.8
176 89.2 0.0 191.8



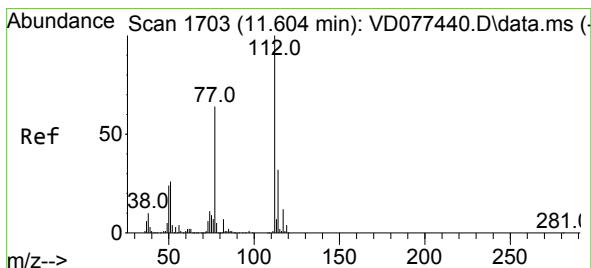
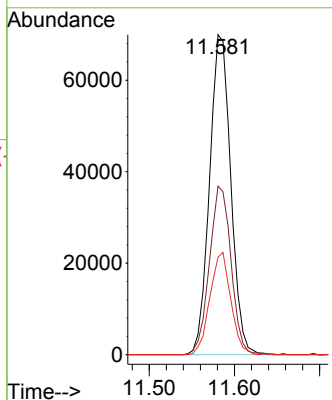
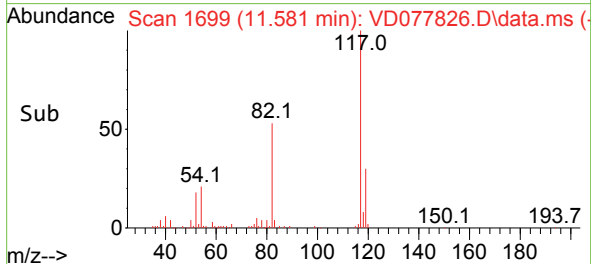


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

Instrument :
MSVOA_D
ClientSampleId :

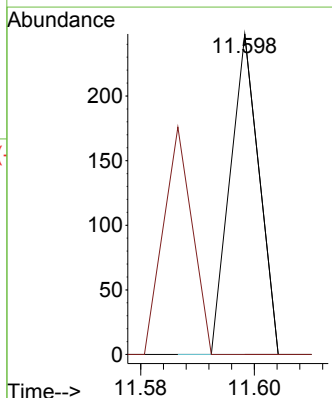
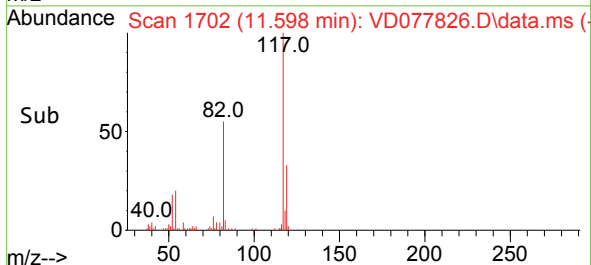
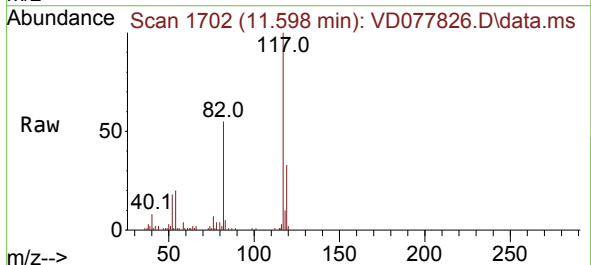


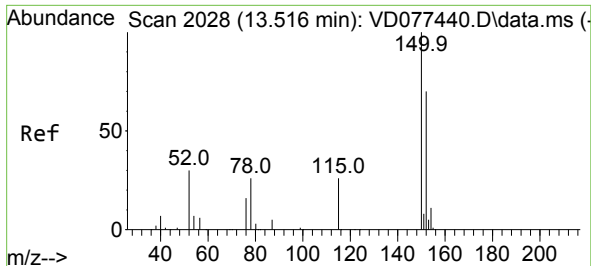
Tgt Ion:117 Resp: 121174
Ion Ratio Lower Upper
117 100
82 52.7 38.3 57.5
119 30.5 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.598 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

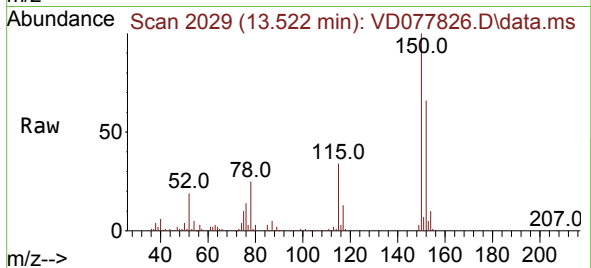
Tgt Ion:112 Resp: 87
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



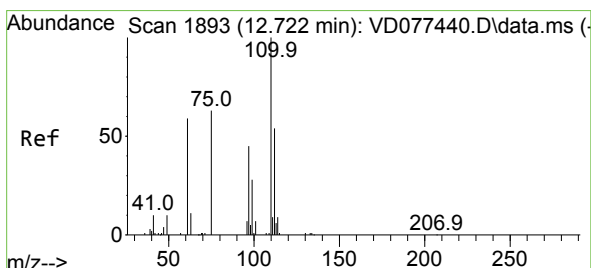
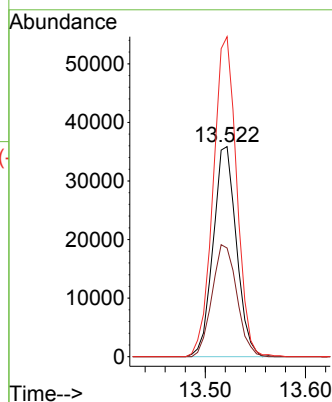
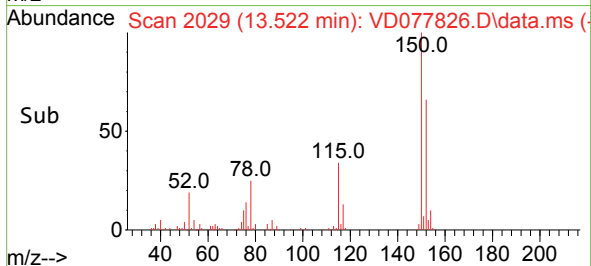


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD077826.D
 Acq: 11 Dec 2023 21:58

Instrument :
 MSVOA_D
 ClientSampleId :

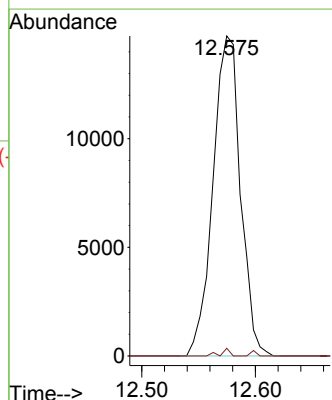
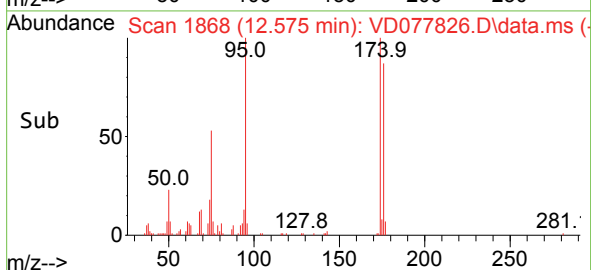
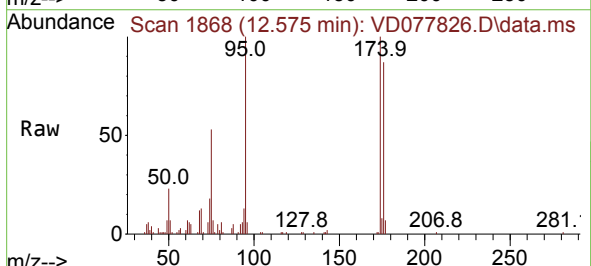


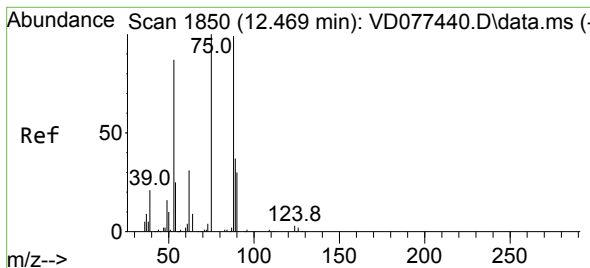
Tgt Ion:152 Resp: 57745
 Ion Ratio Lower Upper
 152 100
 115 56.7 27.1 81.3
 150 153.6 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 49.448 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077826.D
 Acq: 11 Dec 2023 21:58

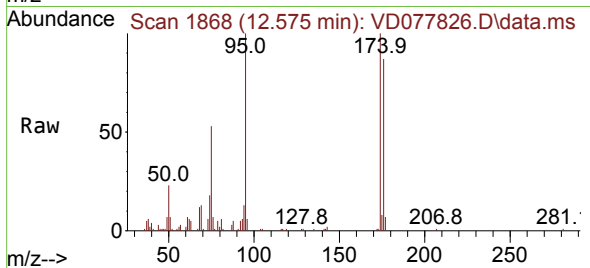
Tgt Ion: 75 Resp: 24799
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



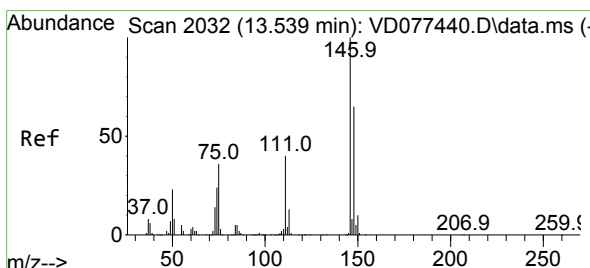
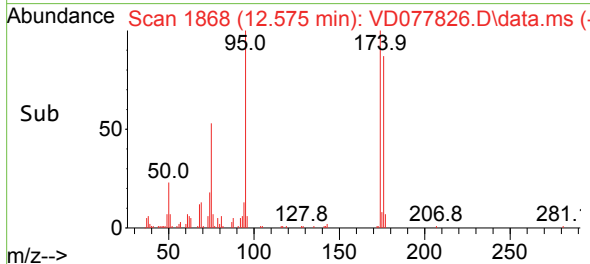
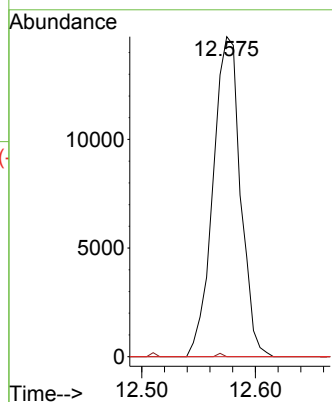


#81
trans-1,4-Dichloro-2-butene
Concen: 100.185 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 24799
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: 13.528 min Scan# 2030
Delta R.T. -0.011 min
Lab File: VD077826.D
Acq: 11 Dec 2023 21:58

Tgt Ion: 146 Resp: 179
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 33.0 31.7 95.1

