

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102022\
 Data File : VD074599.D
 Acq On : 20 Oct 2022 15:56
 Operator : VA/SY
 Sample : N5207-02
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-221

Quant Time: Oct 21 03:08:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

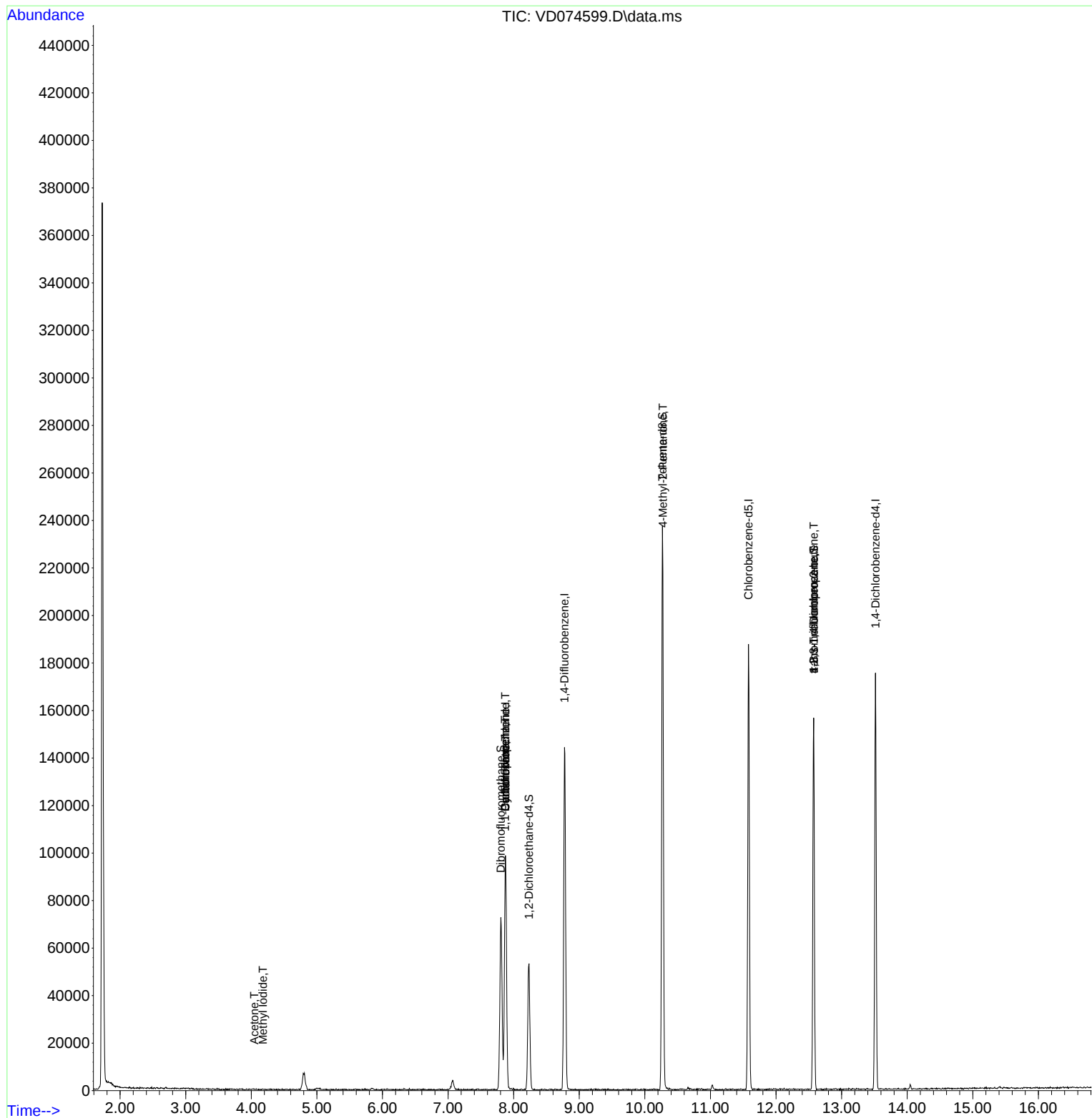
Internal Standards						
1) Pentafluorobenzene	7.875	168	81999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	140903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	119438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	50647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	42458	67.819	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.640%	
35) Dibromofluoromethane	7.804	113	52038	67.034	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.060%	
50) Toluene-d8	10.269	98	173763	61.614	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 123.220%	
62) 4-Bromofluorobenzene	12.575	95	46788	57.978	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.960%	
Target Compounds						Qvalue
10) Methyl Iodide	4.175	142	140	4.053	ug/l	# 43
11) Tert butyl alcohol	5.010	59	382	Below Cal	#	84
16) Acetone	4.046	43	472	3.453	ug/l	# 37
20) Methylene Chloride	4.793	84	6491	Below Cal		94
31) Cyclohexane	7.875	56	1422	1.131	ug/l	# 40
36) 1,1-Dichloropropene	7.869	75	5661	4.472	ug/l	# 45
38) Carbon Tetrachloride	7.875	117	7439	6.002	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.275	43	467	1.265	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	23507	53.155	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.575	75	23507	135.838	ug/l	# 17

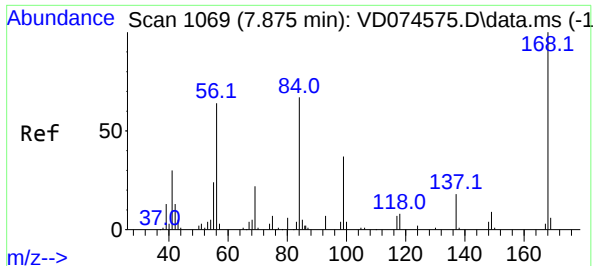
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 20 06:41:20 2022
Response via : Initial Calibration

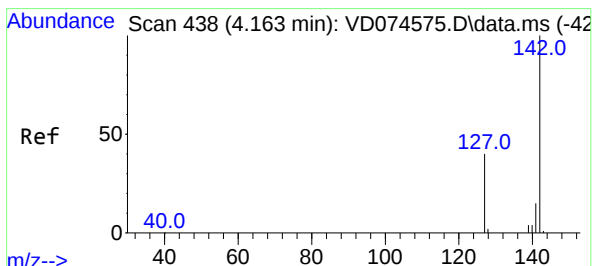
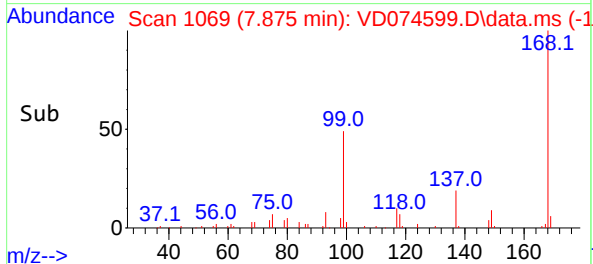
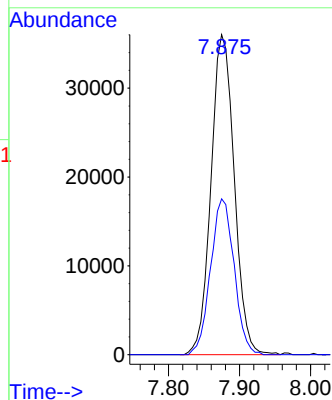
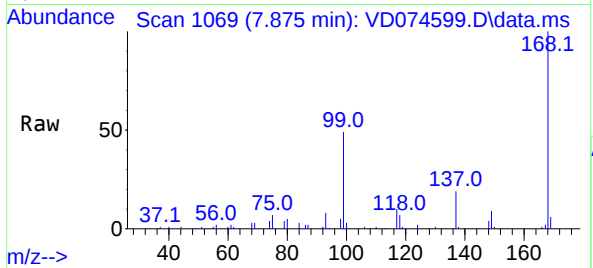




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074599.D
Acq: 20 Oct 2022 15:56

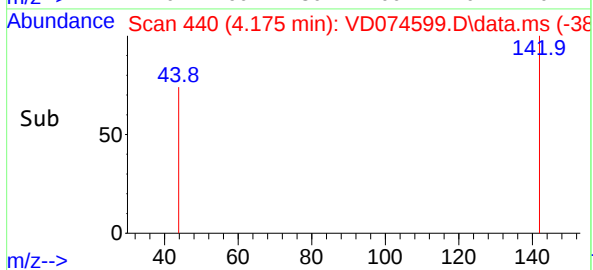
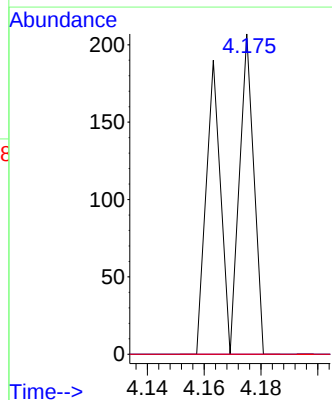
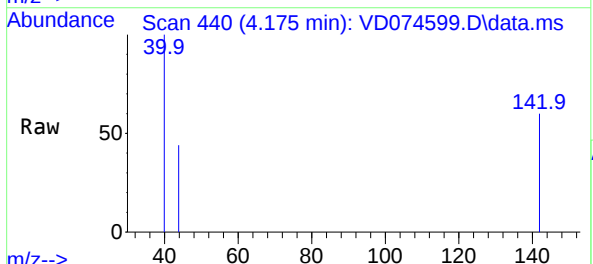
Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

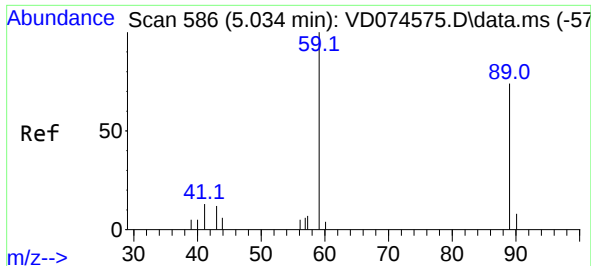
Tgt Ion:168 Resp: 81999
Ion Ratio Lower Upper
168 100
99 48.7 40.9 61.3



#10
Methyl Iodide
Concen: 4.053 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.017 min
Lab File: VD074599.D
Acq: 20 Oct 2022 15:56

Tgt Ion:142 Resp: 140
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.010 min Scan# 51

Delta R.T. -0.042 min

Lab File: VD074599.D

Acq: 20 Oct 2022 15:56

Instrument :

MSVOA_D

ClientSampleId :

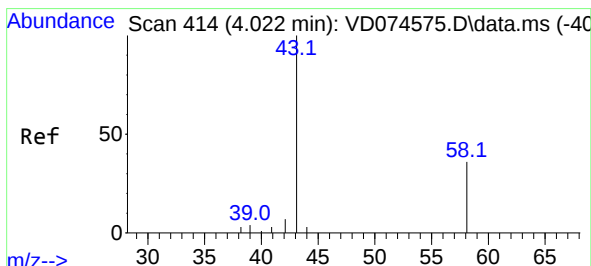
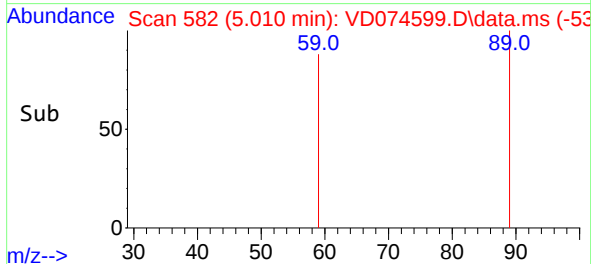
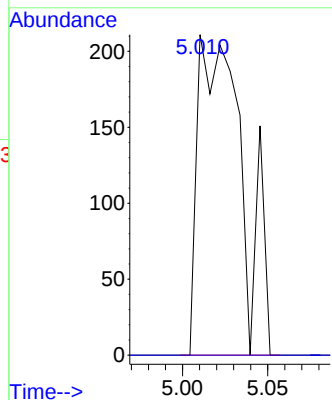
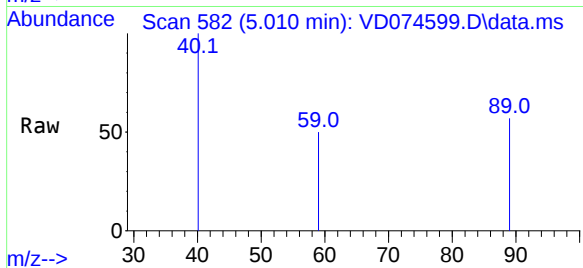
VNJ-221

Tgt Ion: 59 Resp: 382

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 3.453 ug/l

RT: 4.046 min Scan# 418

Delta R.T. 0.024 min

Lab File: VD074599.D

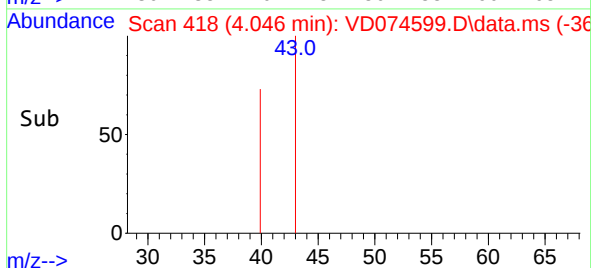
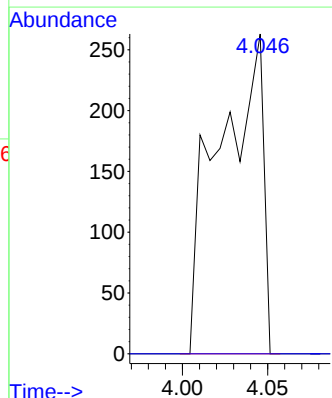
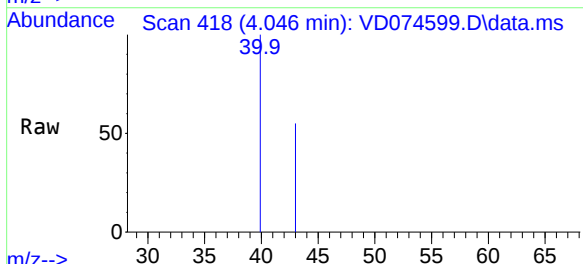
Acq: 20 Oct 2022 15:56

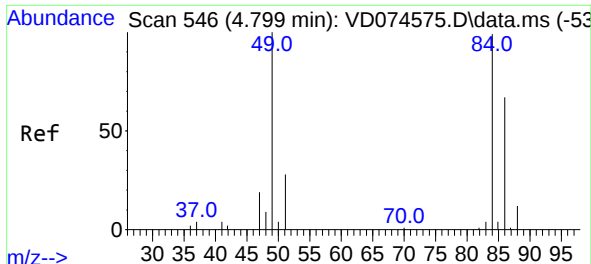
Tgt Ion: 43 Resp: 472

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#



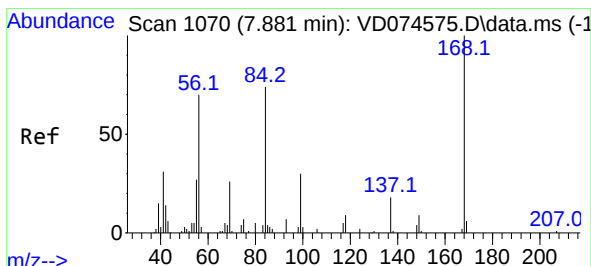
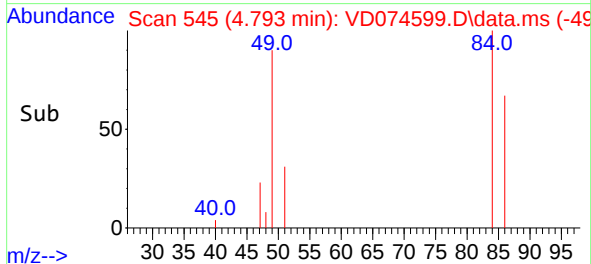
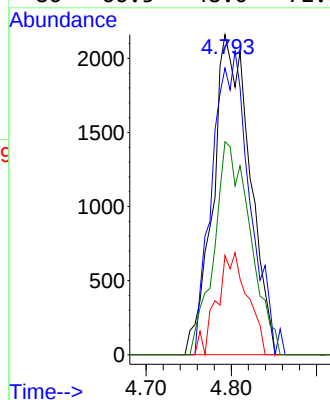
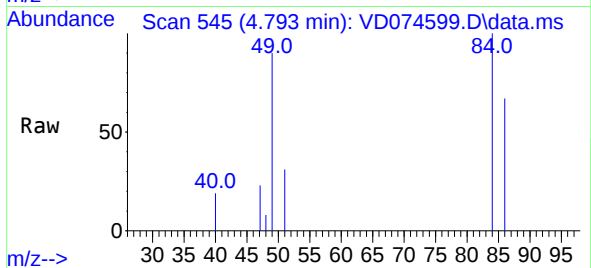


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD074599.D
Acq: 20 Oct 2022 15:56

Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

Tgt Ion: 84 Resp: 6491

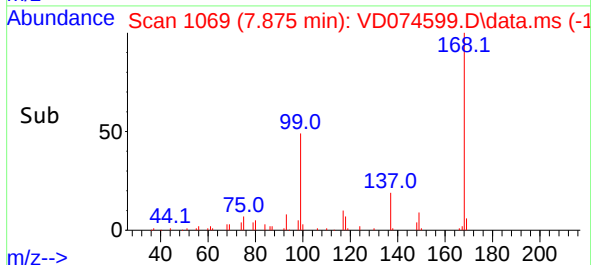
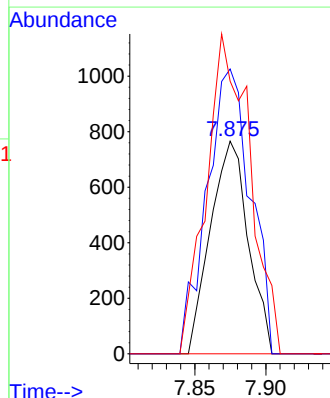
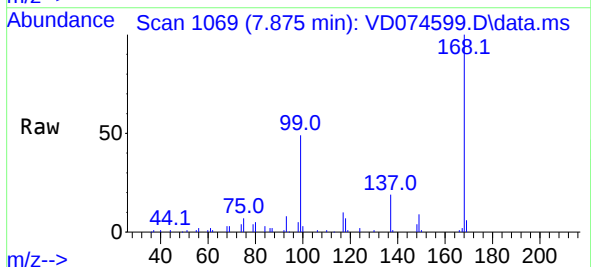
Ion	Ratio	Lower	Upper
84	100		
49	89.5	68.0	102.0
51	31.0	23.2	34.8
86	66.5	48.0	72.0

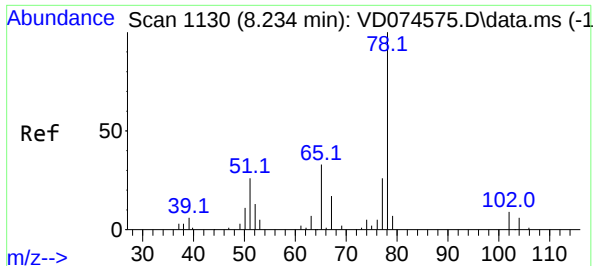


#31
Cyclohexane
Concen: 1.131 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074599.D
Acq: 20 Oct 2022 15:56

Tgt Ion: 56 Resp: 1422

Ion	Ratio	Lower	Upper
56	100		
69	133.9	29.2	43.8#
84	128.2	83.4	125.2#

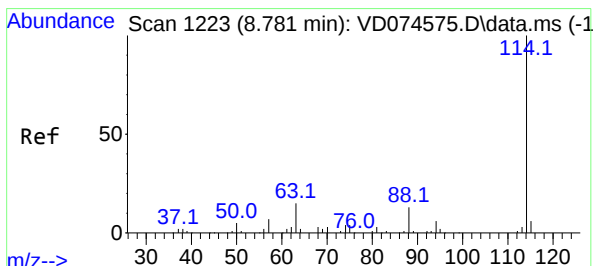
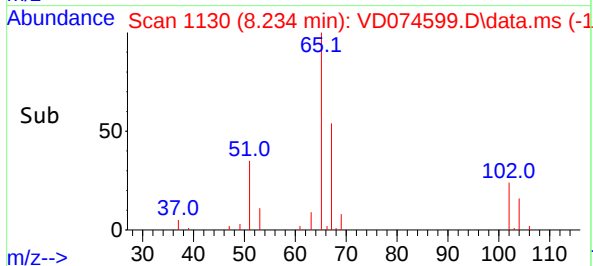
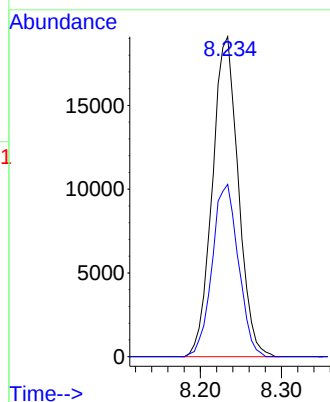
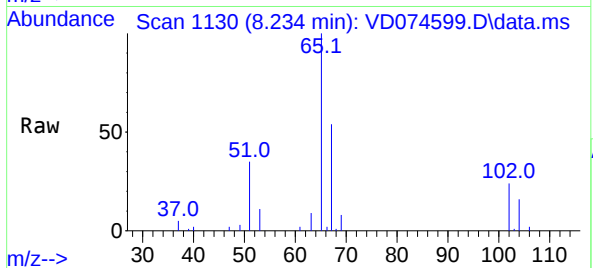




#33
1,2-Dichloroethane-d4
Concen: 67.819 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074599.D
Acq: 20 Oct 2022 15:56

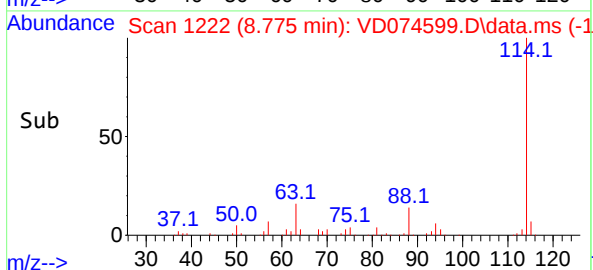
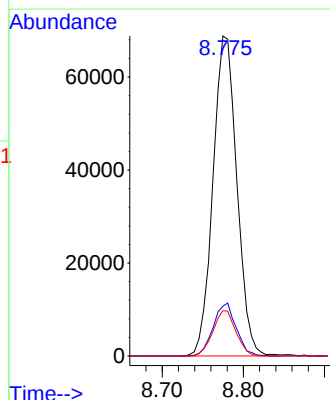
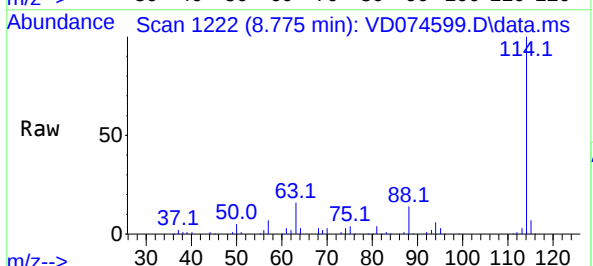
Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

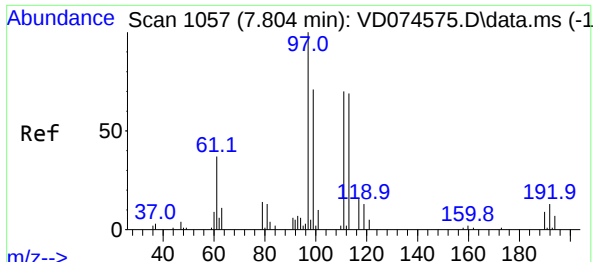
Tgt Ion: 65 Resp: 42458
Ion Ratio Lower Upper
65 100
67 54.4 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD074599.D
Acq: 20 Oct 2022 15:56

Tgt Ion: 114 Resp: 140903
Ion Ratio Lower Upper
114 100
63 15.6 0.0 33.2
88 14.2 0.0 28.2





#35

Dibromofluoromethane

Concen: 67.034 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD074599.D

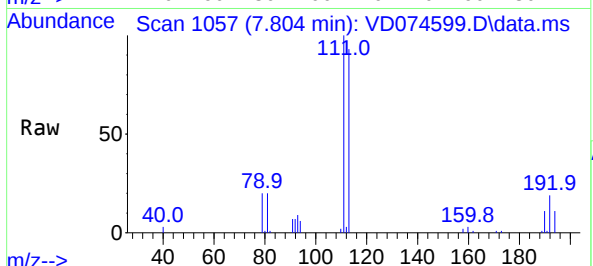
Acq: 20 Oct 2022 15:56

Instrument :

MSVOA_D

ClientSampleId :

VNJ-221



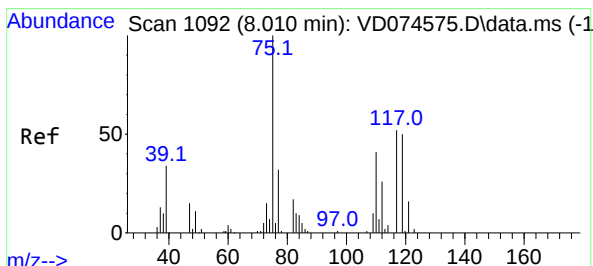
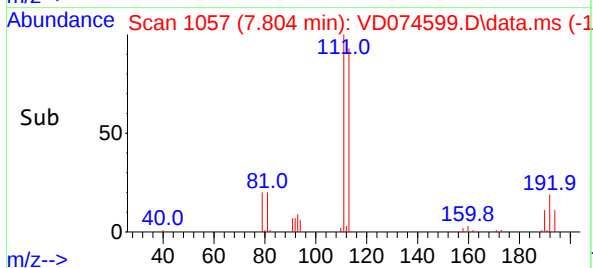
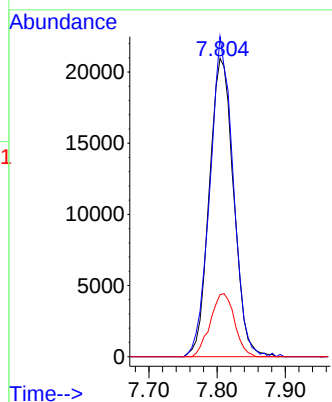
Tgt Ion:113 Resp: 52038

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

192 21.1 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.472 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD074599.D

Acq: 20 Oct 2022 15:56

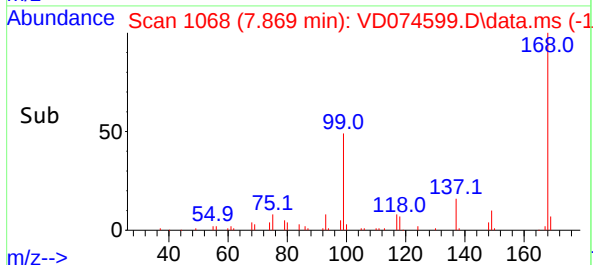
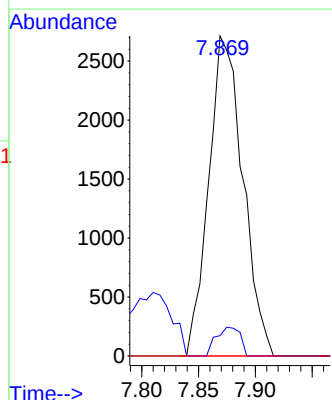
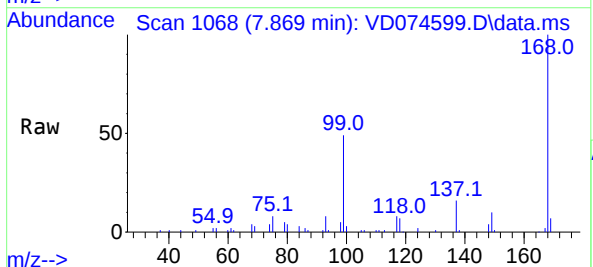
Tgt Ion: 75 Resp: 5661

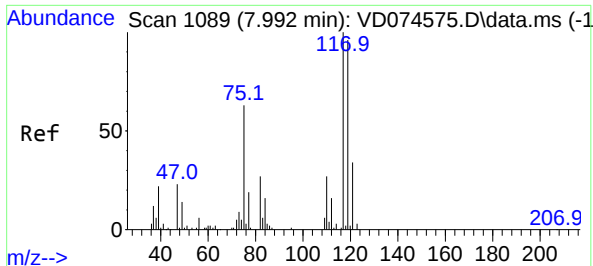
Ion Ratio Lower Upper

75 100

110 6.3 19.7 59.0#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 6.002 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.112 min

Lab File: VD074599.D

Acq: 20 Oct 2022 15:56

Instrument :

MSVOA_D

ClientSampleId :

VNJ-221

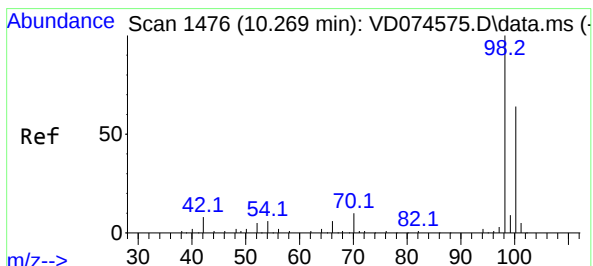
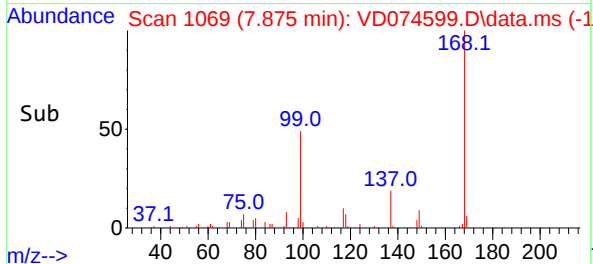
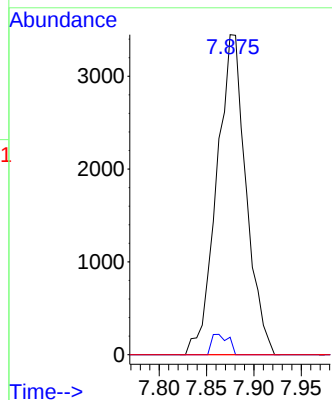
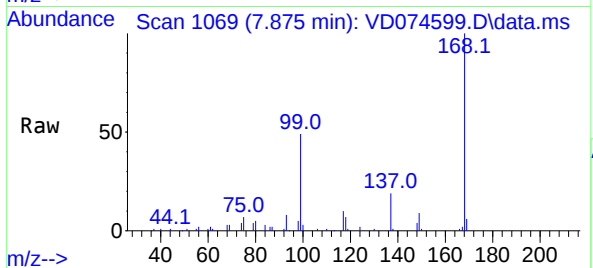
Tgt Ion:117 Resp: 7439

Ion Ratio Lower Upper

117 100

119 5.5 73.1 109.7#

121 0.0 25.0 37.6#



#50

Toluene-d8

Concen: 61.614 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD074599.D

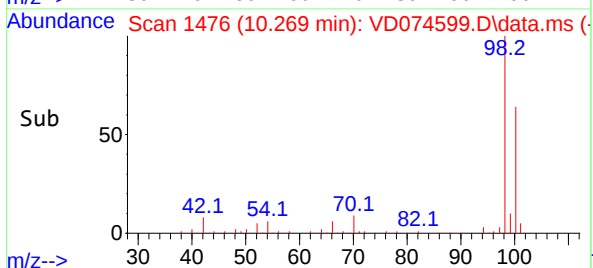
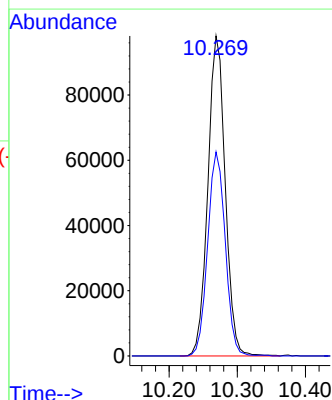
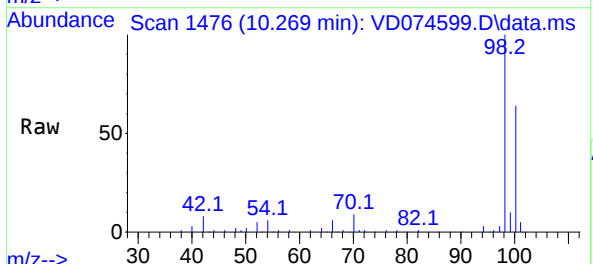
Acq: 20 Oct 2022 15:56

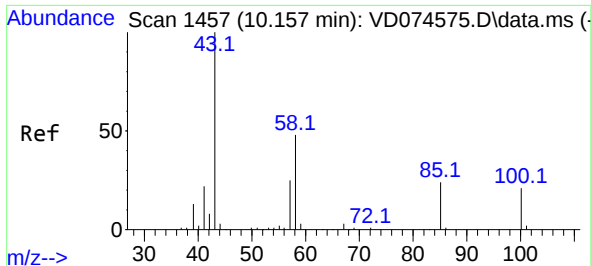
Tgt Ion: 98 Resp: 173763

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0

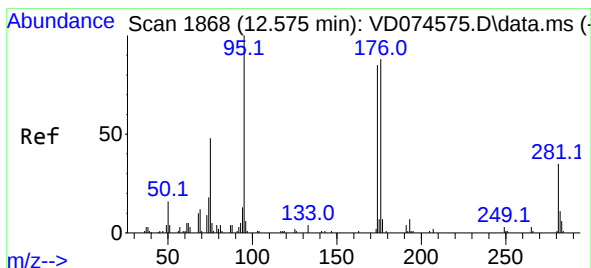
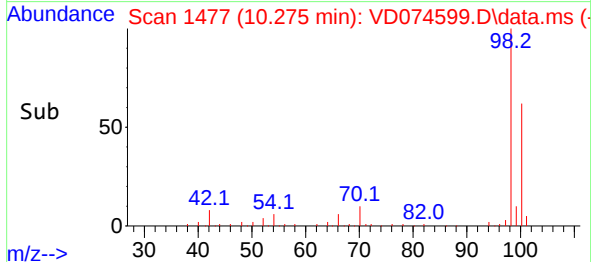
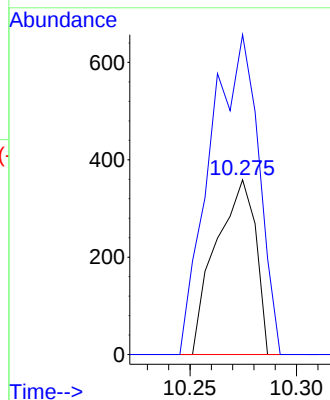
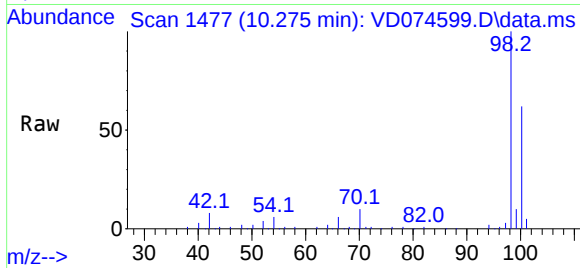




#51
4-Methyl-2-Pentanone
Concen: 1.265 ug/l
RT: 10.275 min Scan# 1457
Delta R.T. 0.118 min
Lab File: VD074599.D
Acq: 20 Oct 2022 15:56

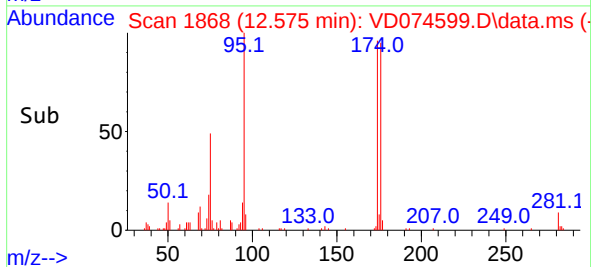
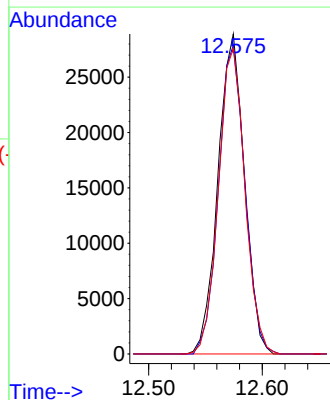
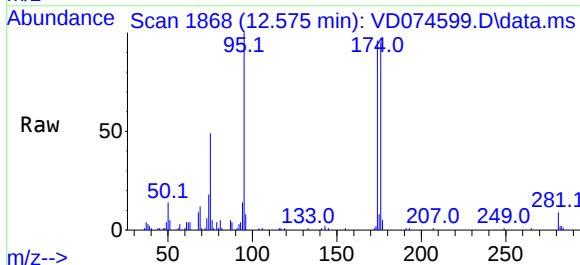
Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

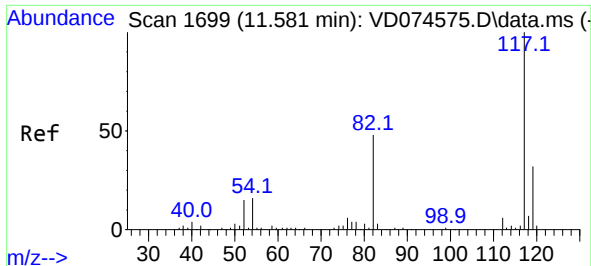
Tgt Ion: 43 Resp: 467
Ion Ratio Lower Upper
43 100
58 222.7 37.8 56.6#



#62
4-Bromofluorobenzene
Concen: 57.978 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074599.D
Acq: 20 Oct 2022 15:56

Tgt Ion: 95 Resp: 46788
Ion Ratio Lower Upper
95 100
174 96.1 0.0 197.0
176 95.2 0.0 182.6

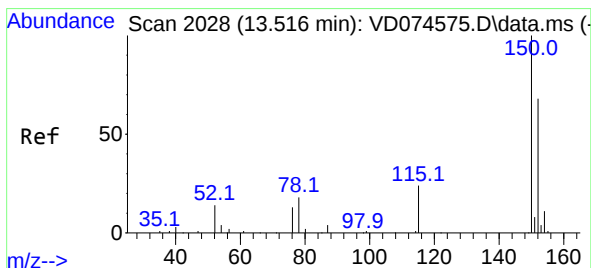
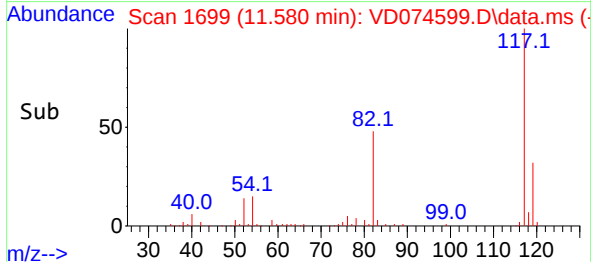
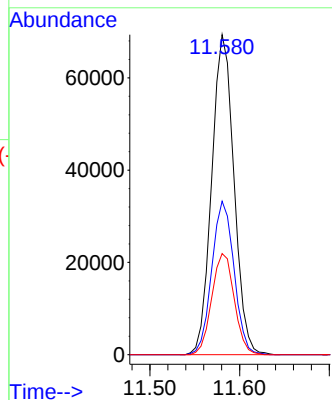
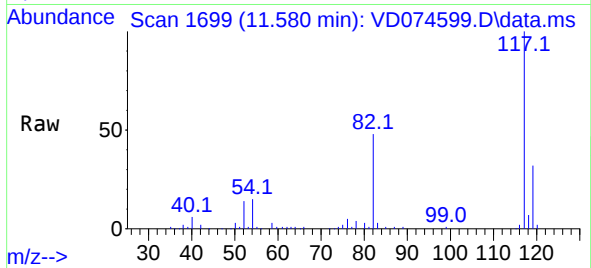




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 119438
Delta R.T. -0.001 min
Lab File: VD074599.D
Acq: 20 Oct 2022 15:56

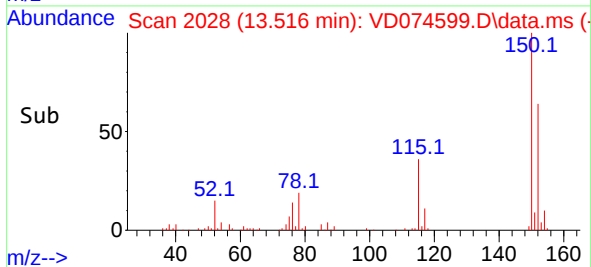
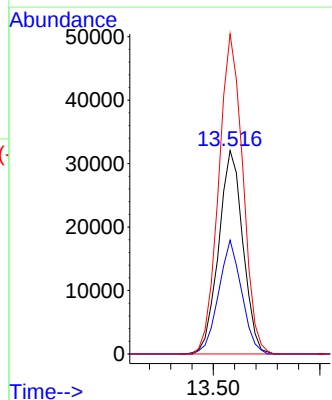
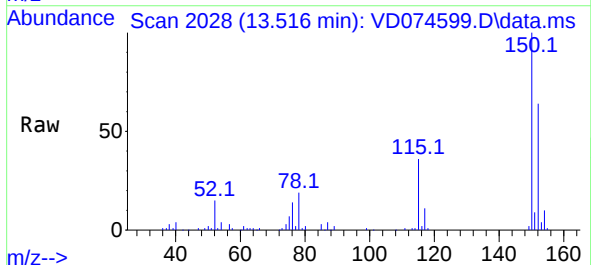
Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

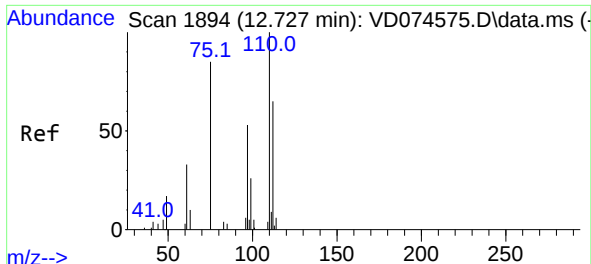
Tgt Ion:117	Resp:	119438
Ion	Ratio	Lower Upper
117	100	
82	47.9	41.6 62.4
119	31.6	25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD074599.D
Acq: 20 Oct 2022 15:56

Tgt Ion:152	Resp:	50647
Ion	Ratio	Lower Upper
152	100	
115	53.2	26.8 80.4
150	156.3	0.0 348.2

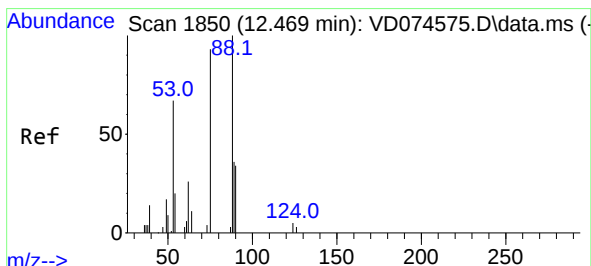
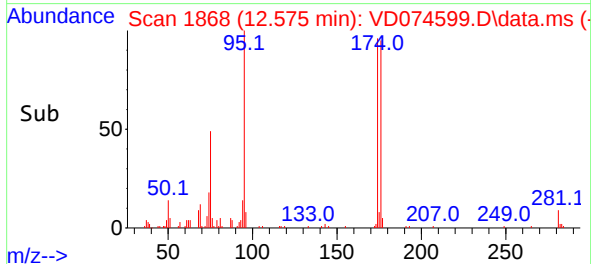
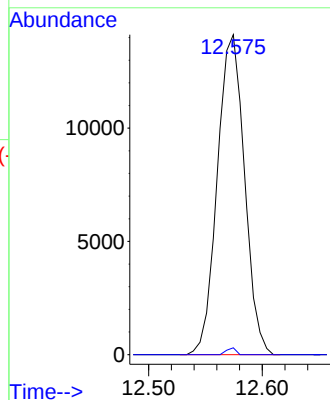
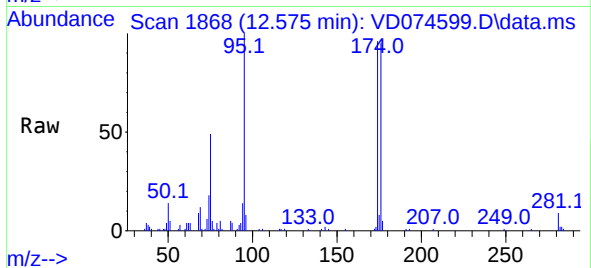




#76
1,2,3-Trichloropropane
Concen: 53.155 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.141 min
Lab File: VD074599.D
Acq: 20 Oct 2022 15:56

Instrument :
MSVOA_D
ClientSampleId :
VNJ-221

Tgt Ion: 75 Resp: 23507
Ion Ratio Lower Upper
75 100
77 0.8 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.838 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.112 min
Lab File: VD074599.D
Acq: 20 Oct 2022 15:56

Tgt Ion: 75 Resp: 23507
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

