

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022324\
 Data File : VD078541.D
 Acq On : 23 Feb 2024 17:38
 Operator : RP/MD
 Sample : P1585-01
 Misc : 5.02G/6ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-232

Quant Time: Feb 24 00:25:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

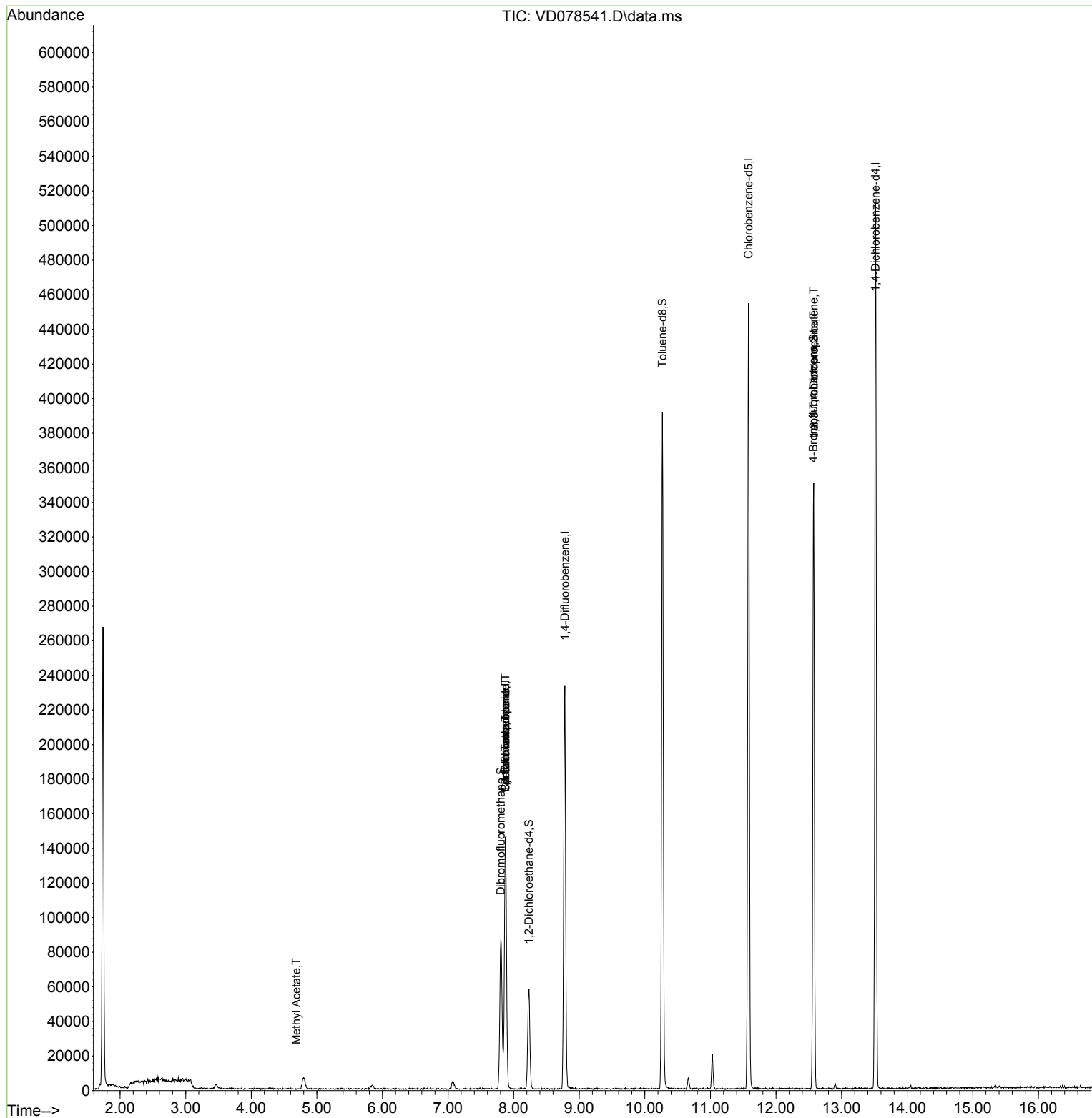
Internal Standards						
1) Pentafluorobenzene	7.875	168	113568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	209382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	264590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	140710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	45007	36.652	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.300%
35) Dibromofluoromethane	7.804	113	63625	47.837	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.680%
50) Toluene-d8	10.269	98	275309	51.745	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.500%
62) 4-Bromofluorobenzene	12.569	95	106477	68.771	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	137.540%
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	128	Below Cal	#	32
18) Methyl Acetate	4.687	43	74	4.018	ug/l #	42
25) 2-Butanone	7.081	43	65	Below Cal	#	37
31) Cyclohexane	7.875	56	2500	1.204	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	9551	4.623	ug/l #	44
38) Carbon Tetrachloride	7.875	117	12127	5.927	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	55730	46.652	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	55730	96.851	ug/l #	17

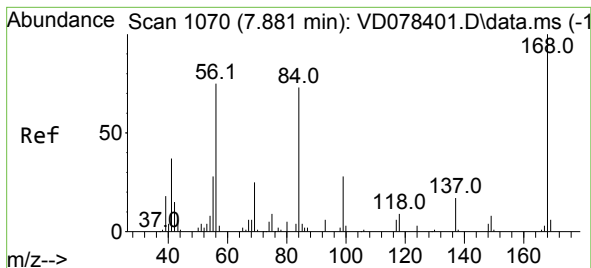
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 24 00:25:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078541.D

Acq: 23 Feb 2024 17:38

Instrument :

MSVOA_D

ClientSampleId :

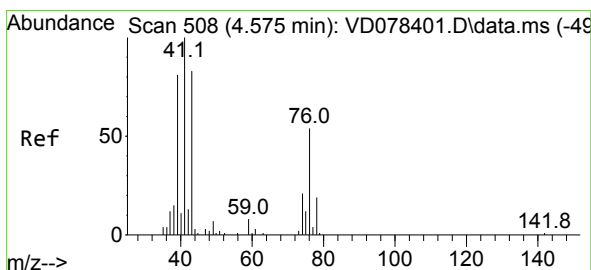
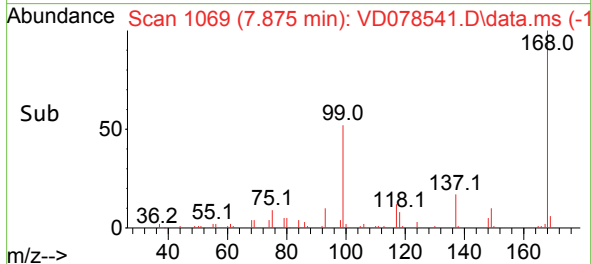
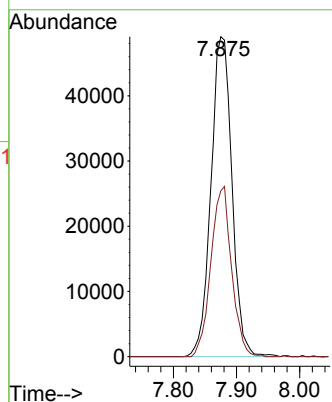
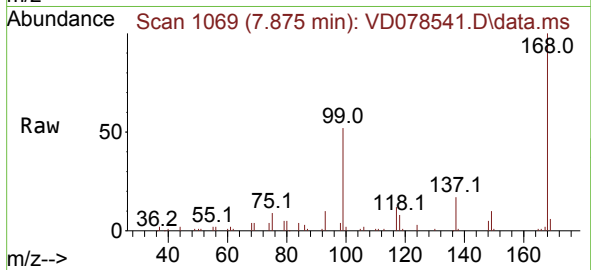
VNJ-232

Tgt Ion:168 Resp: 113568

Ion Ratio Lower Upper

168 100

99 51.8 36.7 55.1



#18

Methyl Acetate

Concen: 4.018 ug/l

RT: 4.687 min Scan# 527

Delta R.T. 0.112 min

Lab File: VD078541.D

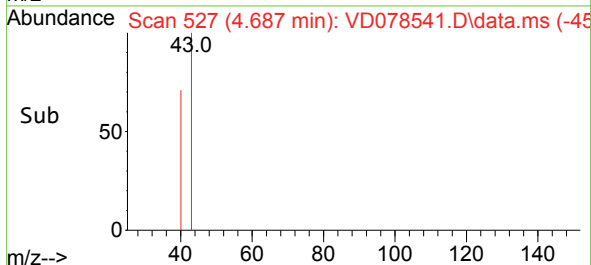
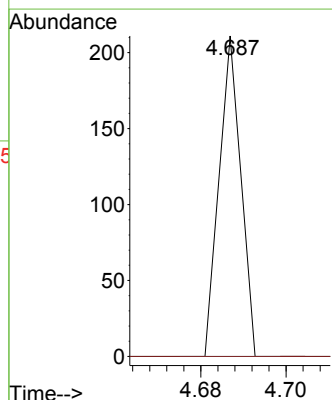
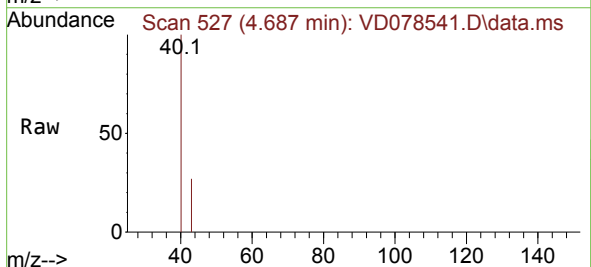
Acq: 23 Feb 2024 17:38

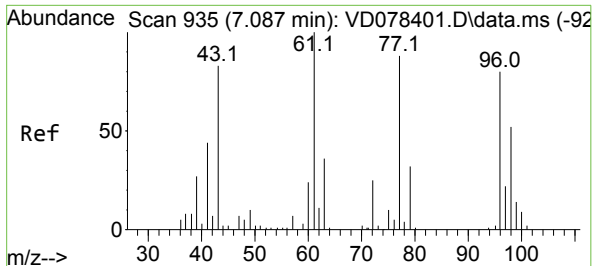
Tgt Ion: 43 Resp: 74

Ion Ratio Lower Upper

43 100

74 0.0 26.4 39.6#





#25

2-Butanone

Concen: Below Cal

RT: 7.081 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD078541.D

Acq: 23 Feb 2024 17:38

Instrument :

MSVOA_D

ClientSampleId :

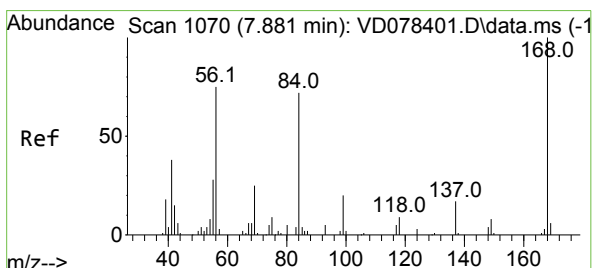
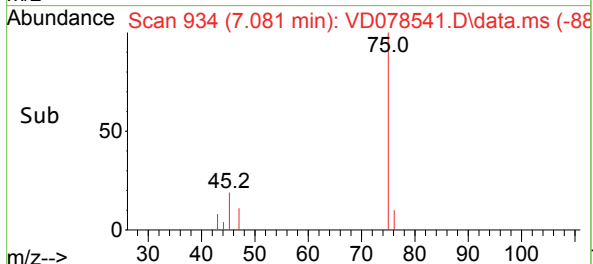
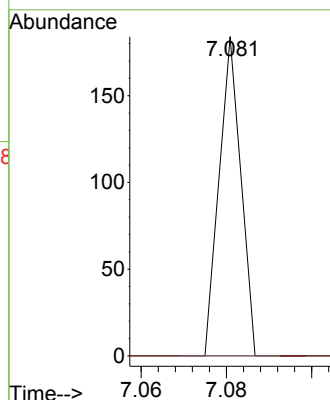
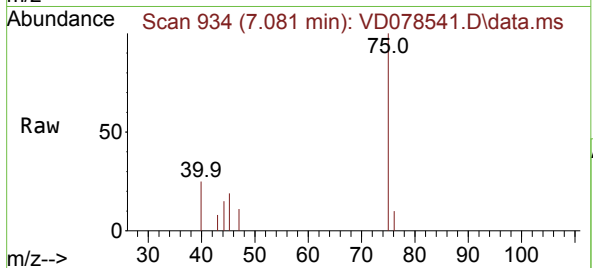
VNJ-232

Tgt Ion: 43 Resp: 65

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.204 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078541.D

Acq: 23 Feb 2024 17:38

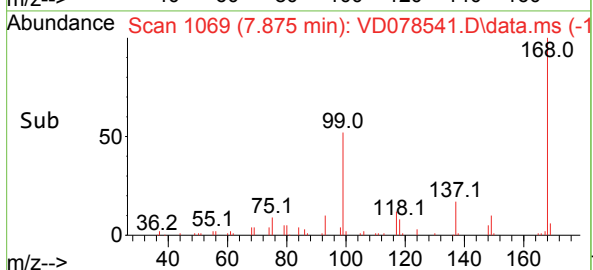
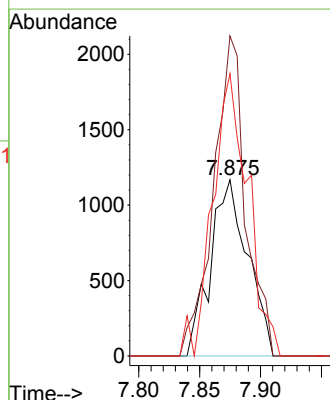
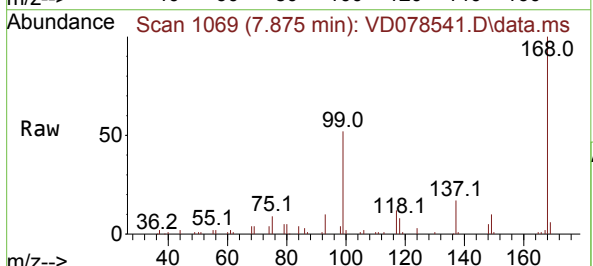
Tgt Ion: 56 Resp: 2500

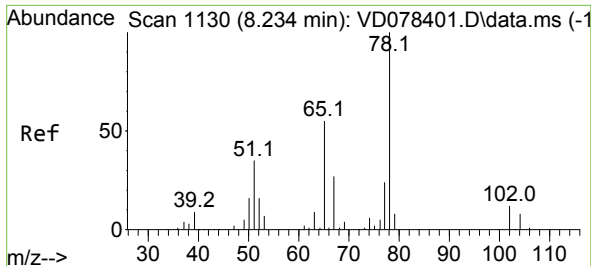
Ion Ratio Lower Upper

56 100

69 181.7 28.6 43.0#

84 160.3 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 36.652 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078541.D

Acq: 23 Feb 2024 17:38

Instrument :

MSVOA_D

ClientSampleId :

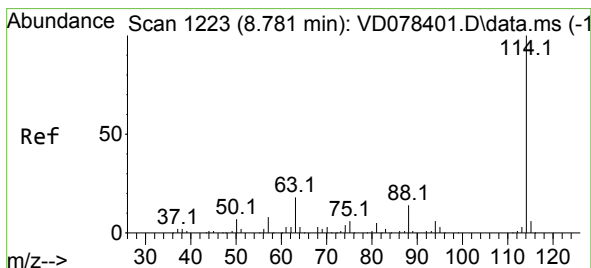
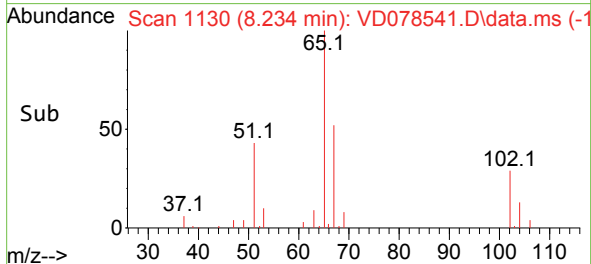
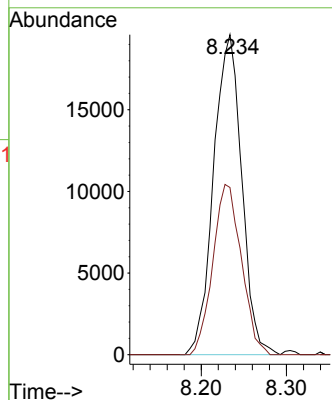
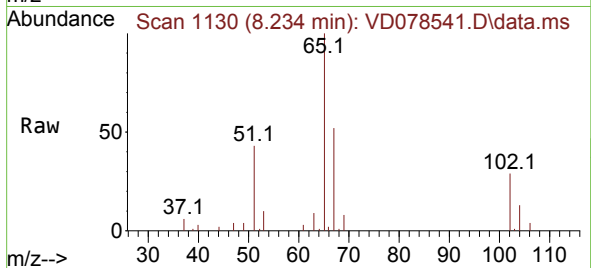
VNJ-232

Tgt Ion: 65 Resp: 45007

Ion Ratio Lower Upper

65 100

67 54.0 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD078541.D

Acq: 23 Feb 2024 17:38

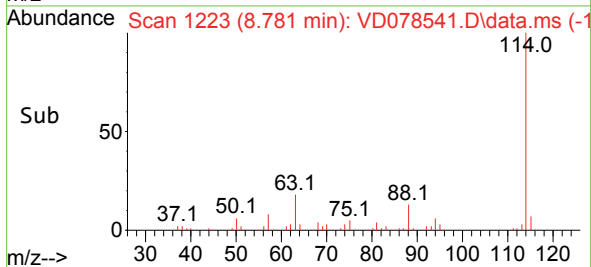
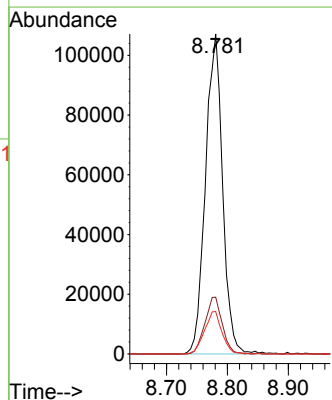
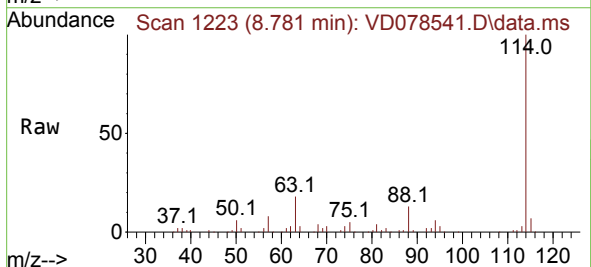
Tgt Ion:114 Resp: 209382

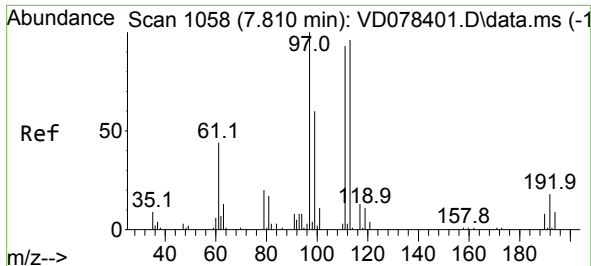
Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 13.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 47.837 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078541.D

Acq: 23 Feb 2024 17:38

Instrument :

MSVOA_D

ClientSampleId :

VNJ-232

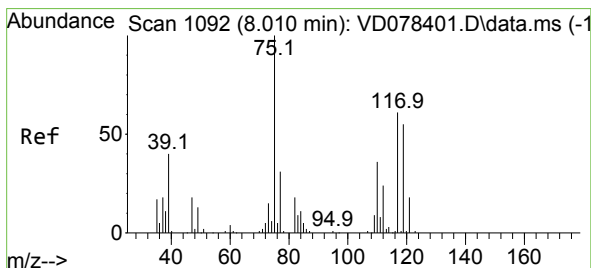
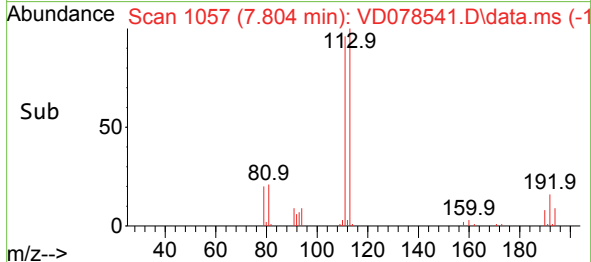
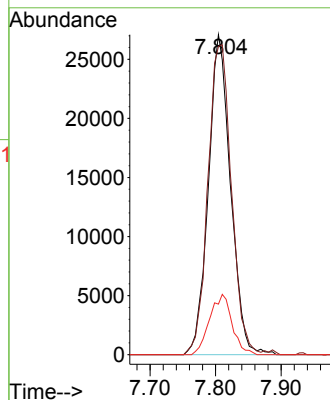
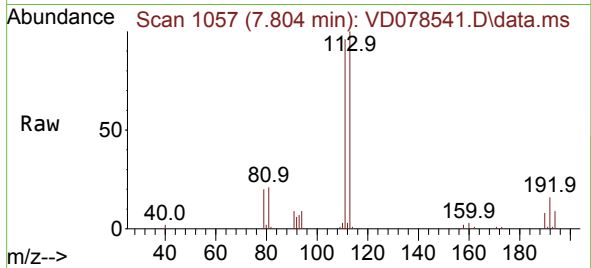
Tgt Ion:113 Resp: 63625

Ion Ratio Lower Upper

113 100

111 102.5 84.7 127.1

192 19.1 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078541.D

Acq: 23 Feb 2024 17:38

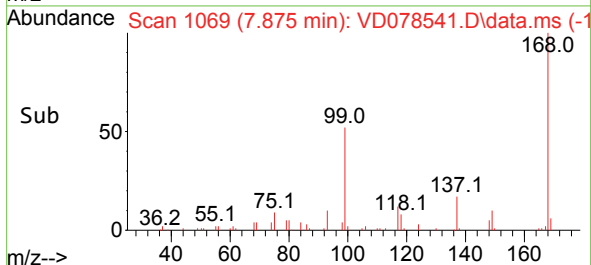
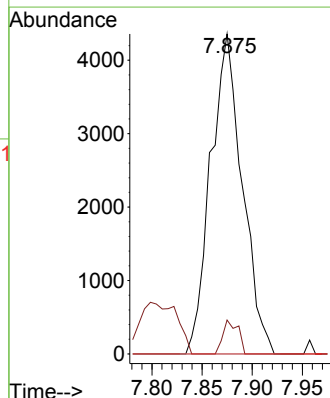
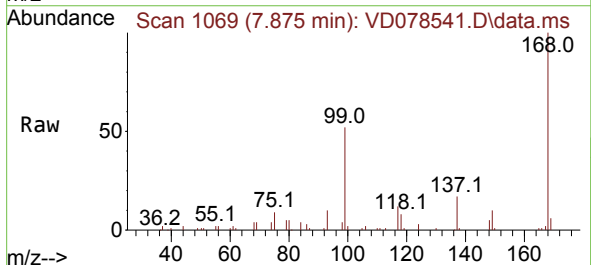
Tgt Ion: 75 Resp: 9551

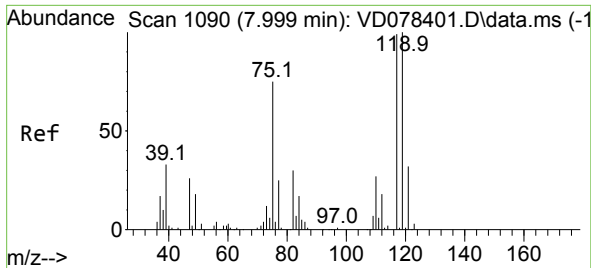
Ion Ratio Lower Upper

75 100

110 5.1 19.9 59.6#

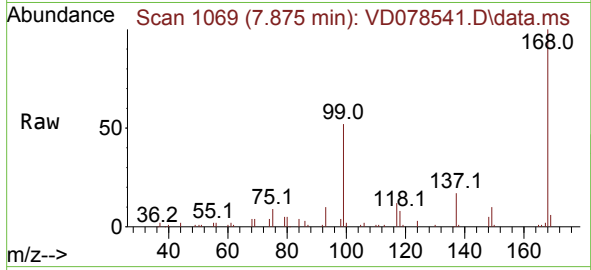
77 0.0 24.7 37.1#



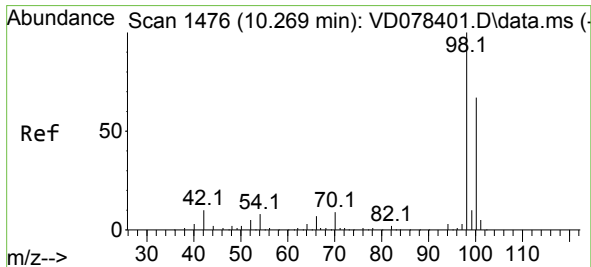
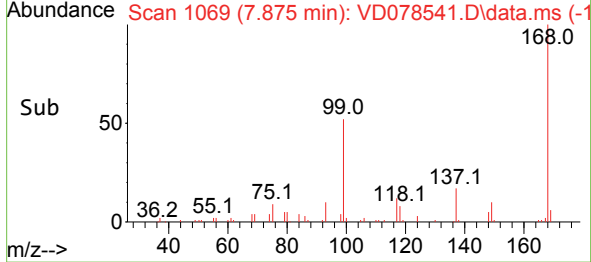
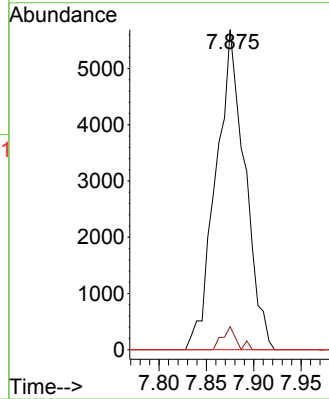


#38
Carbon Tetrachloride
Concen: 5.927 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.124 min
Lab File: VD078541.D
Acq: 23 Feb 2024 17:38

Instrument :
MSVOA_D
ClientSampleId :
VNJ-232

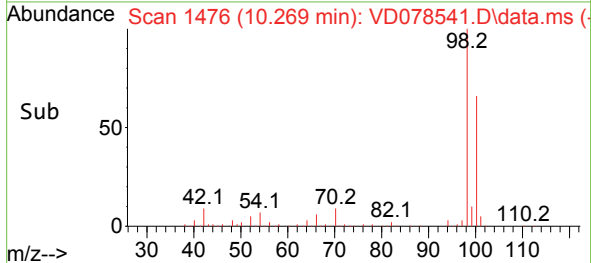
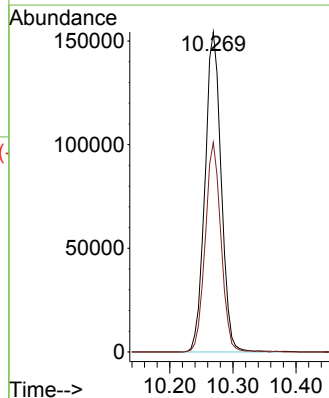
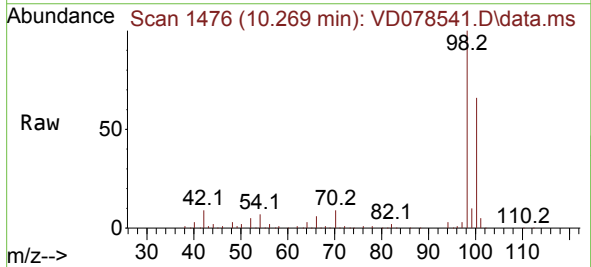


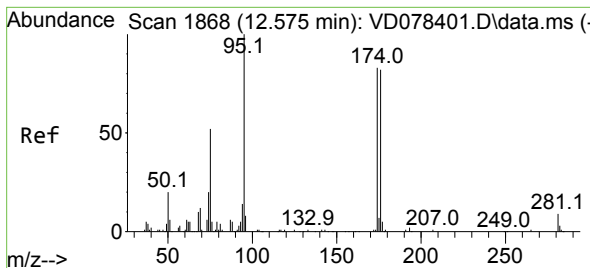
Tgt Ion:117 Resp: 12127
Ion Ratio Lower Upper
117 100
119 7.2 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.745 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078541.D
Acq: 23 Feb 2024 17:38

Tgt Ion: 98 Resp: 275309
Ion Ratio Lower Upper
98 100
100 63.6 50.3 75.5

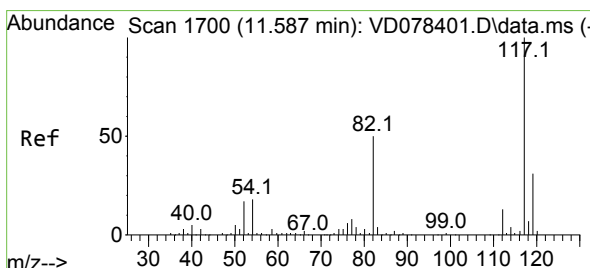
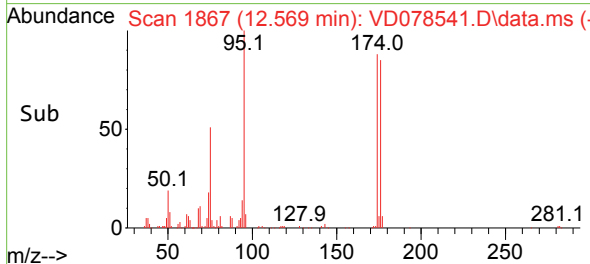
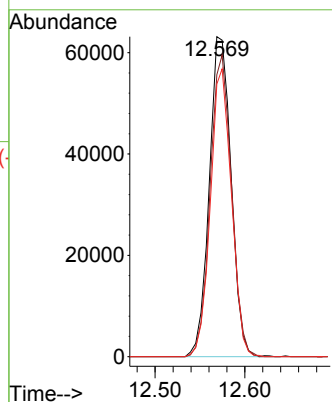
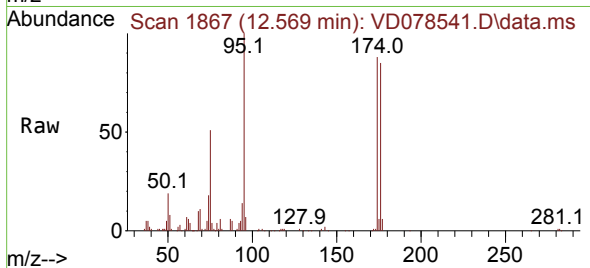




#62
4-Bromofluorobenzene
Concen: 68.771 ug/l
RT: 12.569 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078541.D
Acq: 23 Feb 2024 17:38

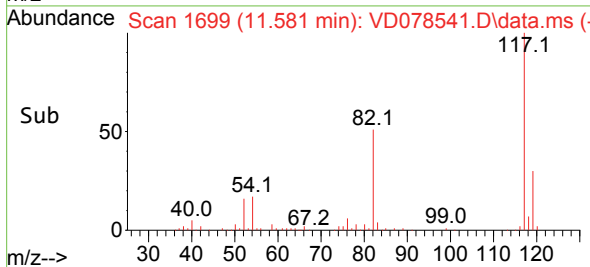
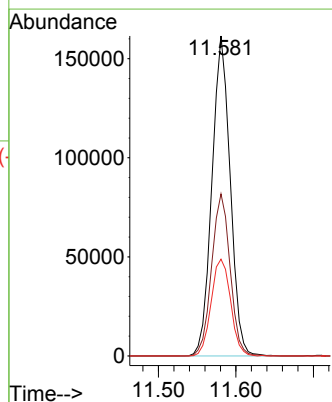
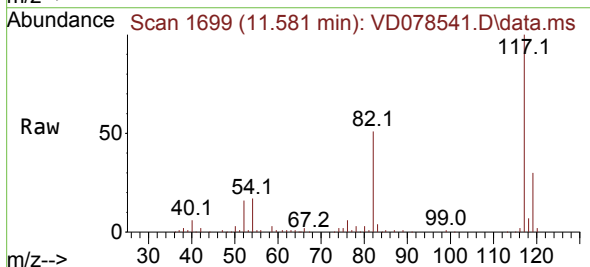
Instrument :
MSVOA_D
ClientSampleId :
VNJ-232

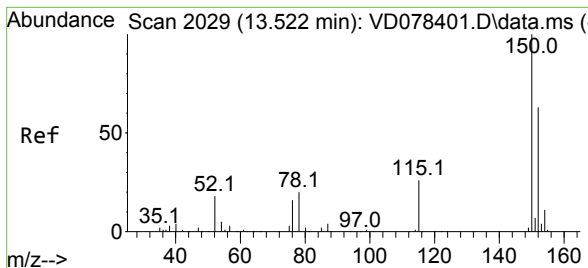
Tgt Ion: 95 Resp: 106477
Ion Ratio Lower Upper
95 100
174 92.4 0.0 201.8
176 86.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078541.D
Acq: 23 Feb 2024 17:38

Tgt Ion: 117 Resp: 264590
Ion Ratio Lower Upper
117 100
82 50.6 38.3 57.5
119 30.2 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD078541.D

Acq: 23 Feb 2024 17:38

Instrument :

MSVOA_D

ClientSampleId :

VNJ-232

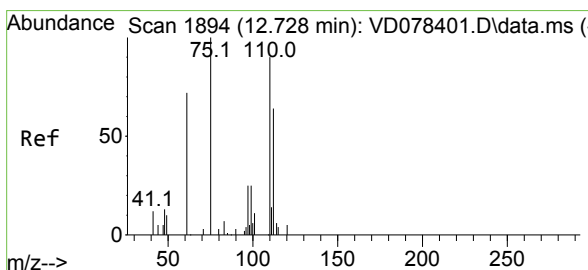
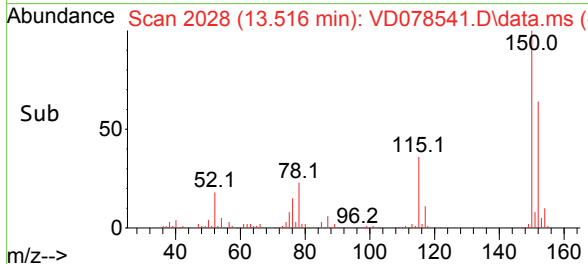
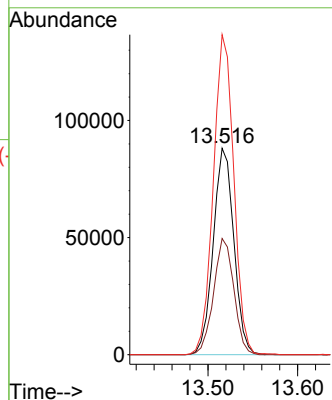
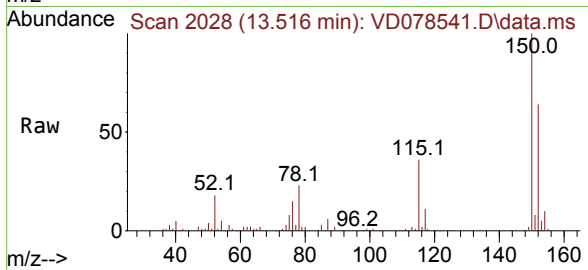
Tgt Ion:152 Resp: 140710

Ion Ratio Lower Upper

152 100

115 55.4 27.1 81.3

150 153.8 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 46.652 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD078541.D

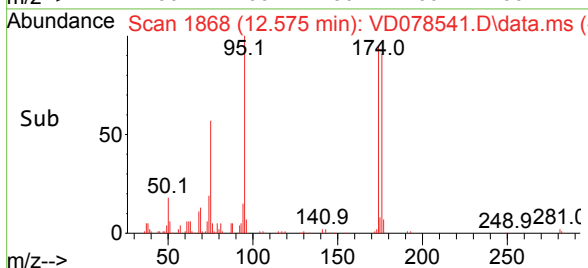
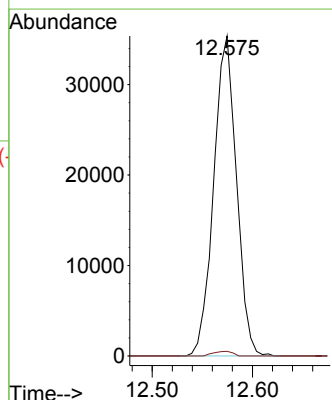
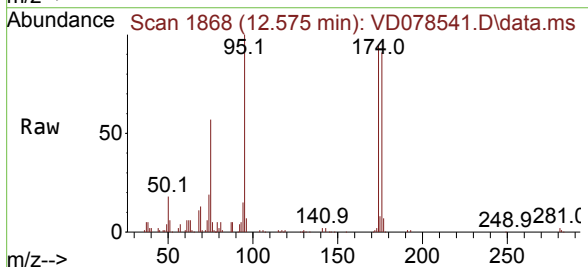
Acq: 23 Feb 2024 17:38

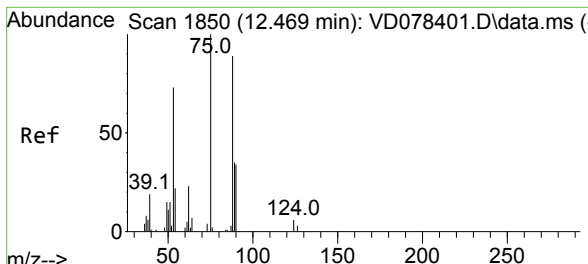
Tgt Ion: 75 Resp: 55730

Ion Ratio Lower Upper

75 100

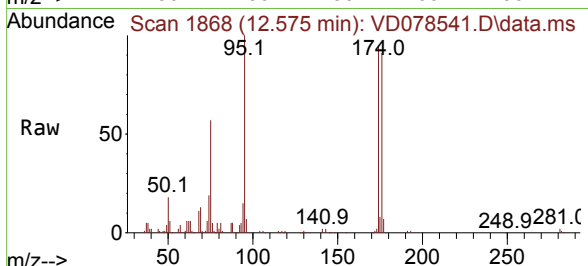
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.851 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD078541.D
 Acq: 23 Feb 2024 17:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-232



Tgt Ion:	75	Resp:	55730
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

