

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052323\
 Data File : VD076196.D
 Acq On : 23 May 2023 16:31
 Operator : KP/SY
 Sample : 02871-04
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-226

Quant Time: May 24 06:42:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

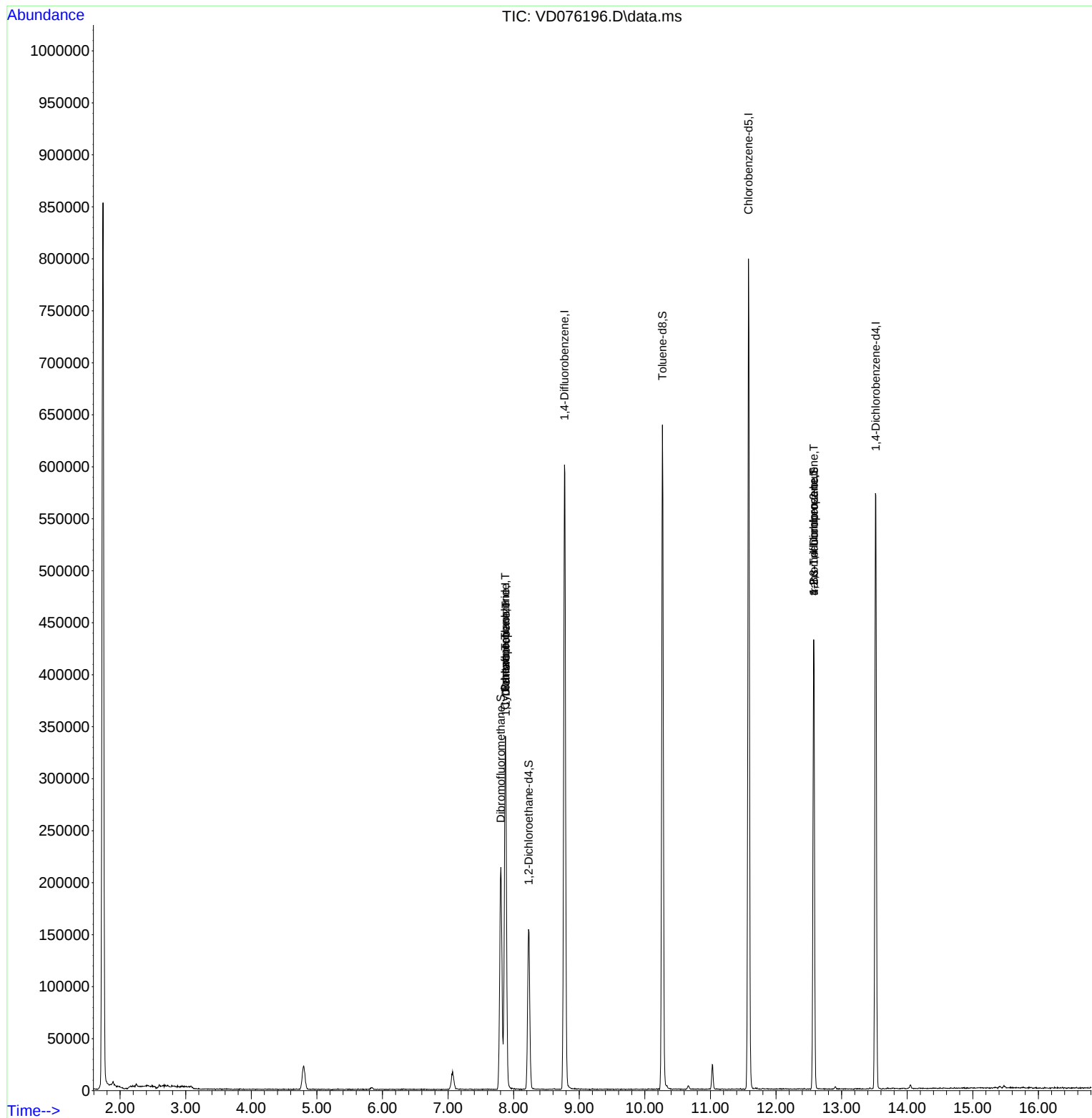
Internal Standards						
1) Pentafluorobenzene	7.875	168	275106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	570860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	481674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	169655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	118182	44.449	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.900%		
35) Dibromofluoromethane	7.804	113	159790	40.495	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.000%		
50) Toluene-d8	10.269	98	462677	30.079	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	60.160%		
62) 4-Bromofluorobenzene	12.575	95	138906	32.508	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	65.020%		
Target Compounds						
3) Chloromethane	2.140	50	395	Below Cal	#	40
17) Carbon Disulfide	4.269	76	59	Below Cal	#	73
20) Methylene Chloride	4.793	84	19180	Below Cal	#	79
31) Cyclohexane	7.869	56	5644	1.386	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	22193	4.164	ug/l #	48
38) Carbon Tetrachloride	7.875	117	26488	5.503	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	70360	47.392	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	70360	99.421	ug/l #	5

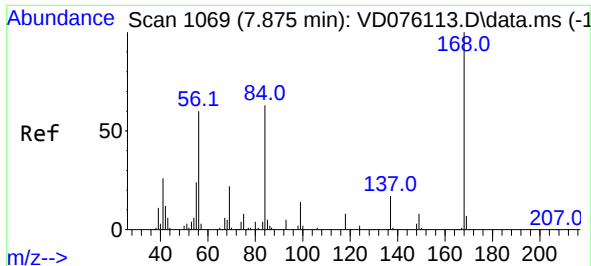
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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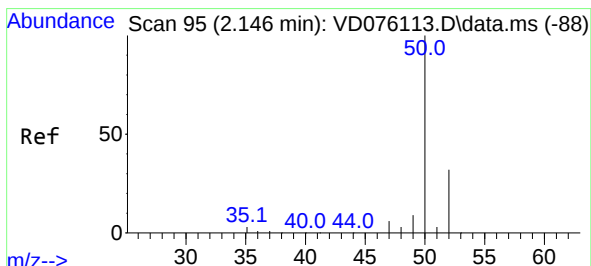
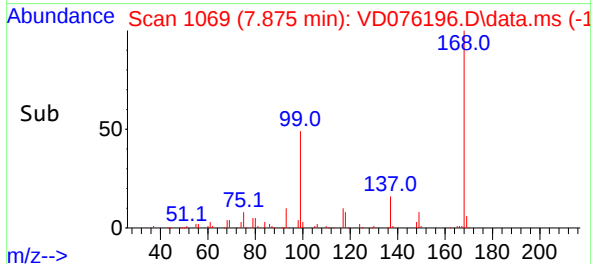
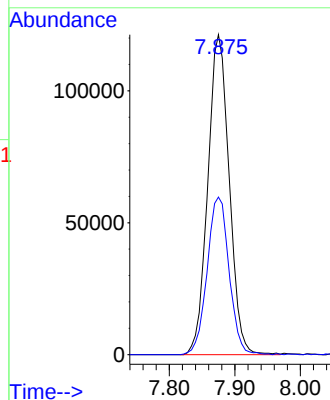
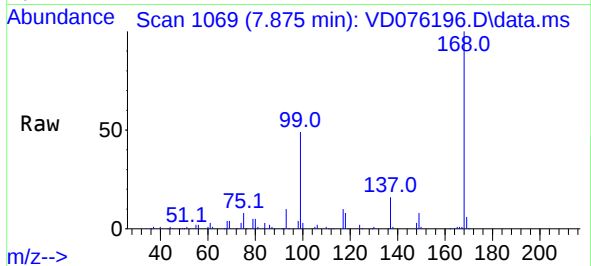




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076196.D
Acq: 23 May 2023 16:31

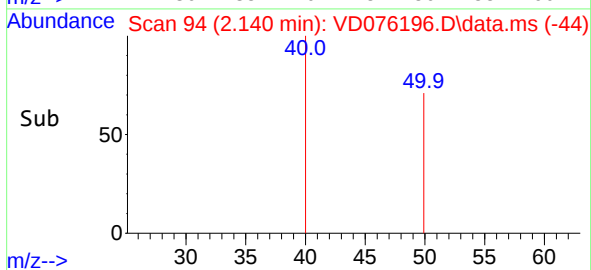
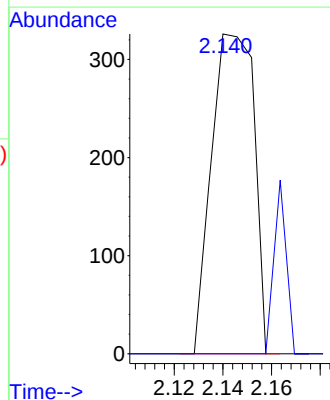
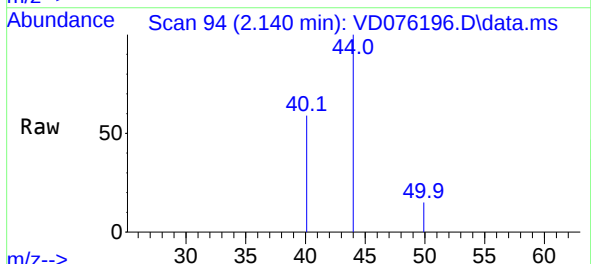
Instrument :
MSVOA_D
ClientSampleId :
VNJ-226

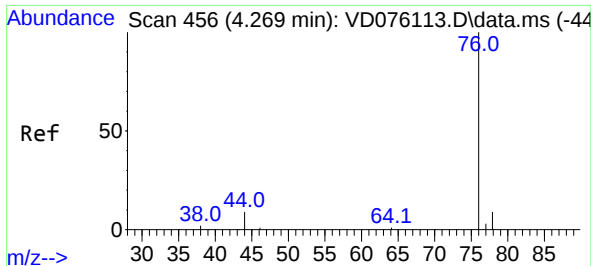
Tgt Ion:168 Resp: 275106
Ion Ratio Lower Upper
168 100
99 49.2 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076196.D
Acq: 23 May 2023 16:31

Tgt Ion: 50 Resp: 395
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

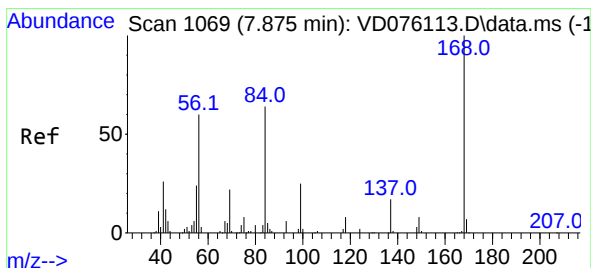
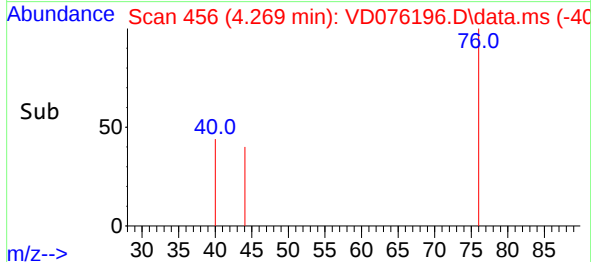
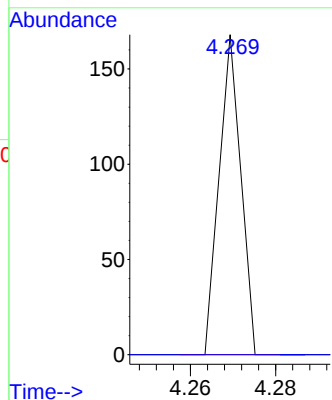
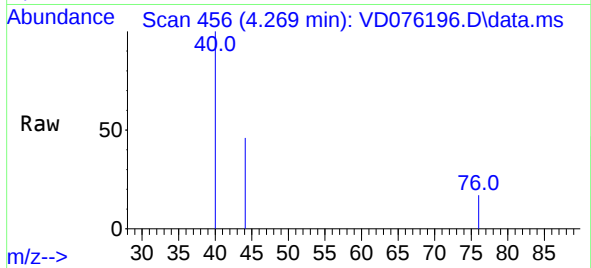




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.269 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD076196.D
Acq: 23 May 2023 16:31

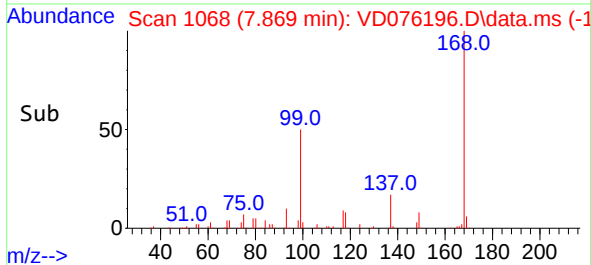
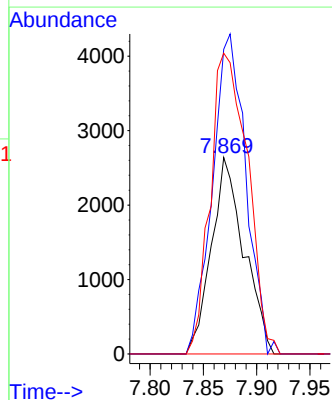
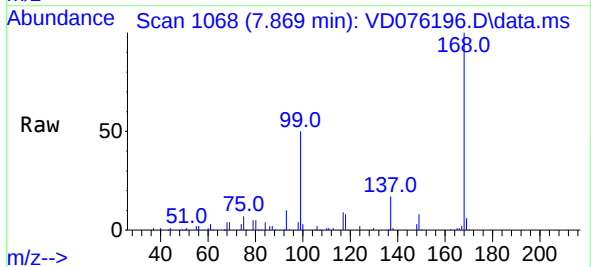
Instrument :
MSVOA_D
ClientSampleId :
VNJ-226

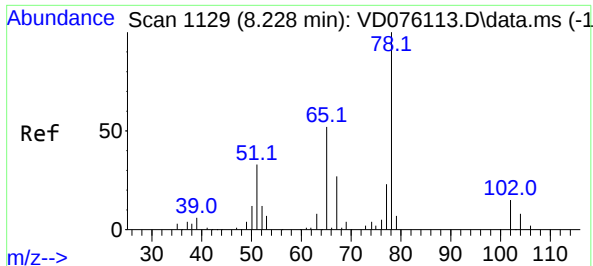
Tgt Ion: 76 Resp: 59
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#



#31
Cyclohexane
Concen: 1.386 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076196.D
Acq: 23 May 2023 16:31

Tgt Ion: 56 Resp: 5644
Ion Ratio Lower Upper
56 100
69 155.1 25.5 38.3#
84 153.1 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 44.449 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076196.D

Acq: 23 May 2023 16:31

Instrument :

MSVOA_D

ClientSampleId :

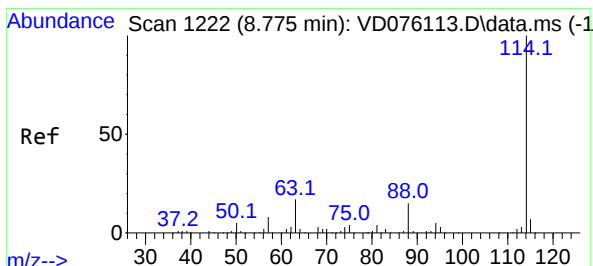
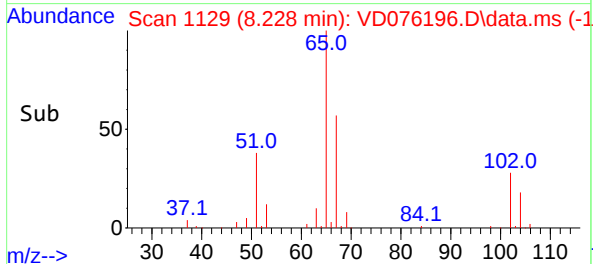
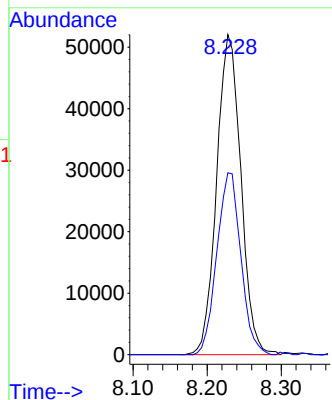
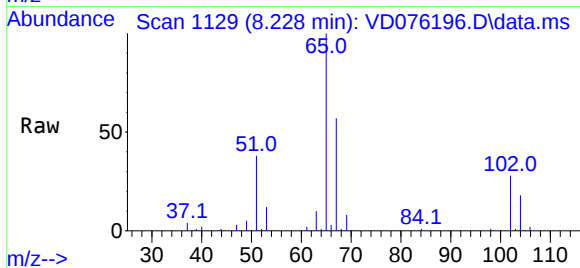
VNJ-226

Tgt Ion: 65 Resp: 118182

Ion Ratio Lower Upper

65 100

67 56.3 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076196.D

Acq: 23 May 2023 16:31

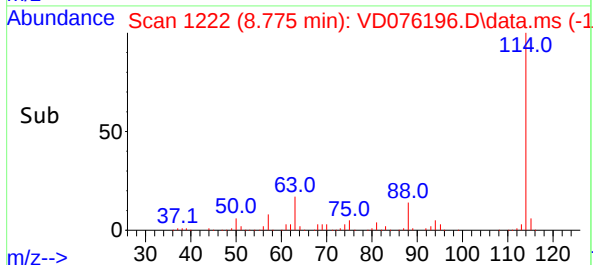
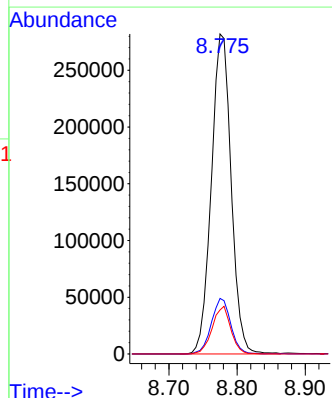
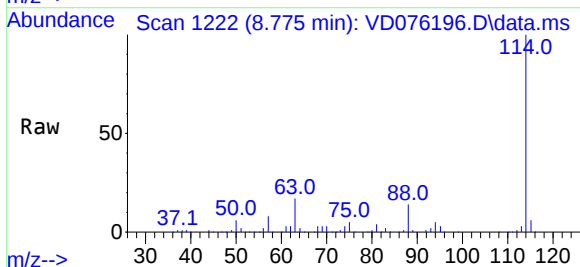
Tgt Ion: 114 Resp: 570860

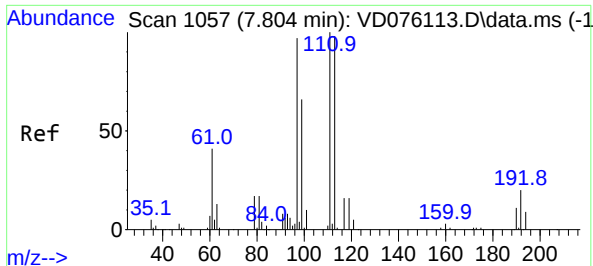
Ion Ratio Lower Upper

114 100

63 17.4 0.0 41.6

88 13.8 0.0 30.6

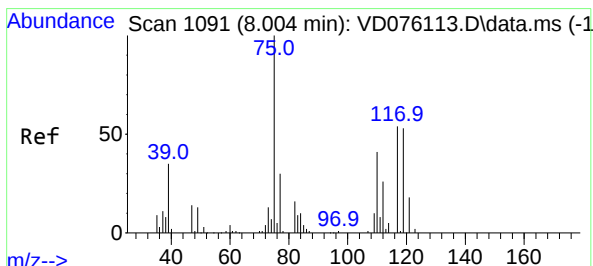
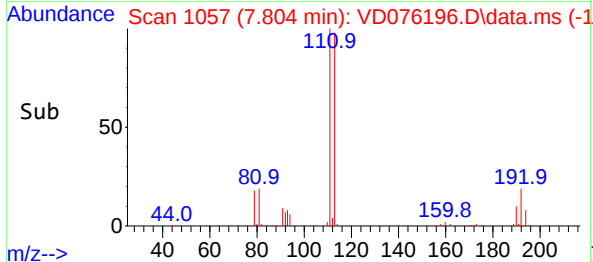
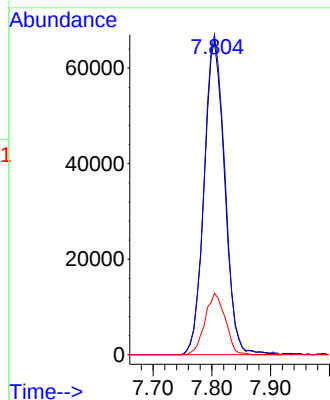
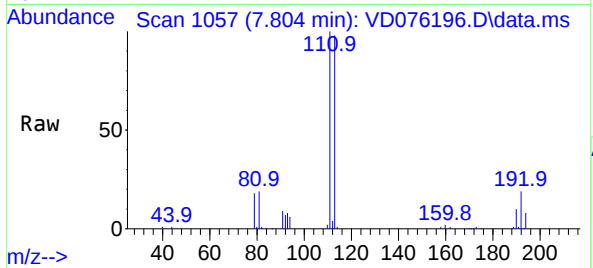




#35
Dibromofluoromethane
Concen: 40.495 ug/l
RT: 7.804 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VD076196.D
Acq: 23 May 2023 16:31

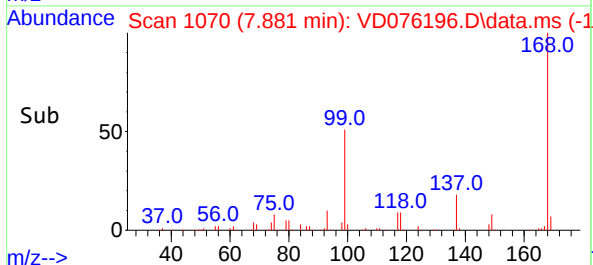
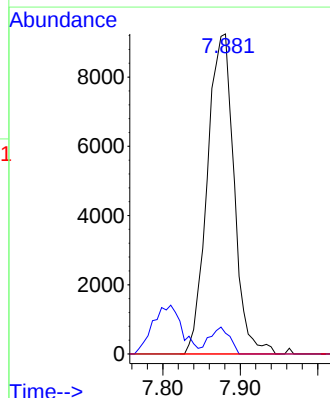
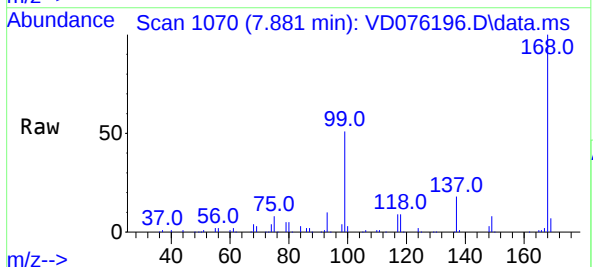
Instrument :
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ClientSampleId :
VNJ-226

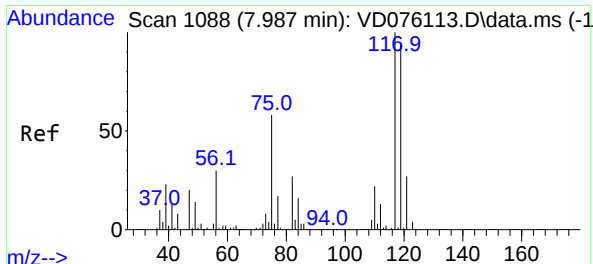
Tgt Ion:113 Resp: 159790
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 19.3 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.164 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD076196.D
Acq: 23 May 2023 16:31

Tgt Ion: 75 Resp: 22193
Ion Ratio Lower Upper
75 100
110 6.3 17.1 51.2#
77 0.0 24.6 36.8#

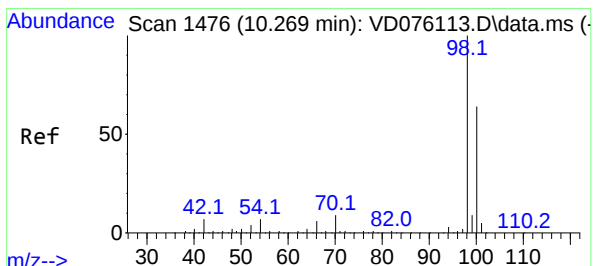
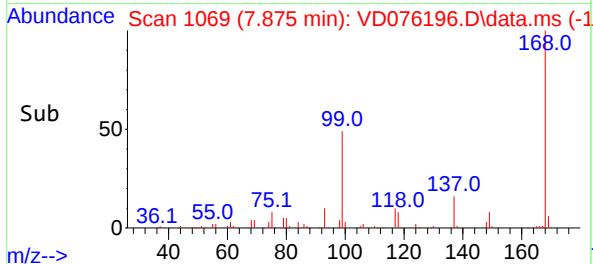
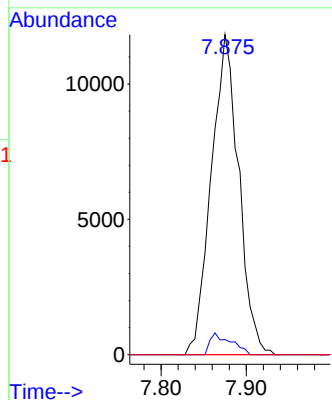
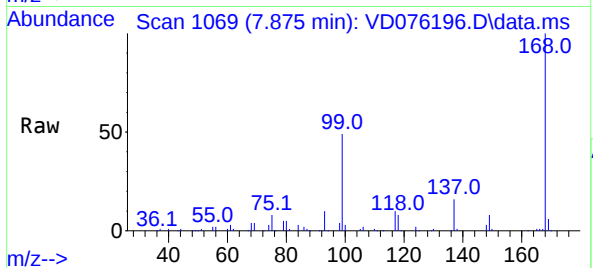




#38
Carbon Tetrachloride
Concen: 5.503 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.118 min
Lab File: VD076196.D
Acq: 23 May 2023 16:31

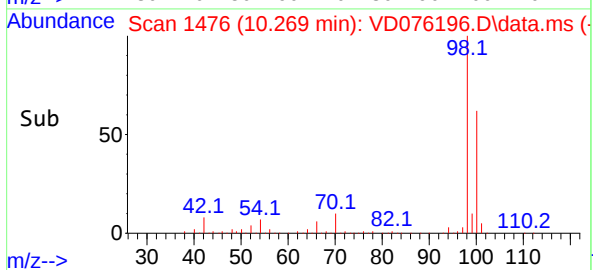
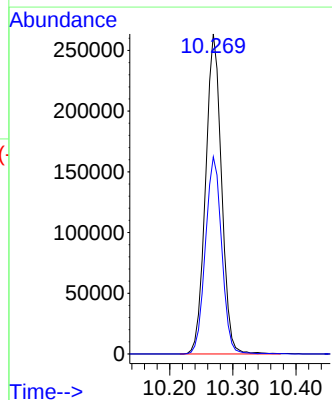
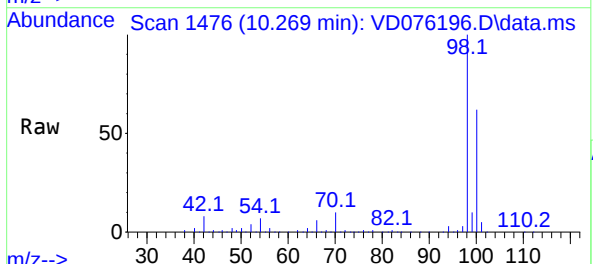
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VNJ-226

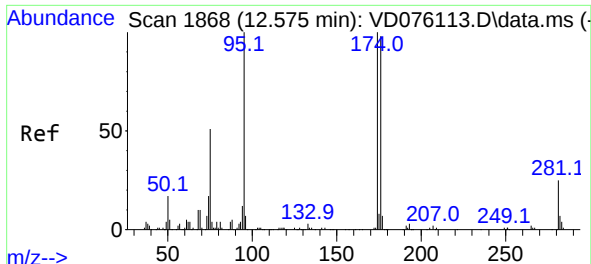
Tgt Ion:117 Resp: 26488
Ion Ratio Lower Upper
117 100
119 4.8 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 30.079 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076196.D
Acq: 23 May 2023 16:31

Tgt Ion: 98 Resp: 462677
Ion Ratio Lower Upper
98 100
100 62.7 52.1 78.1

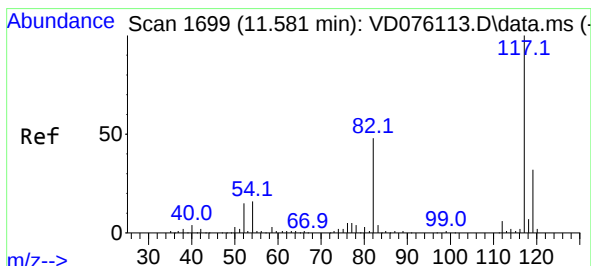
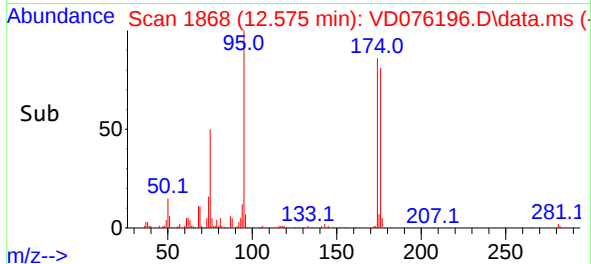
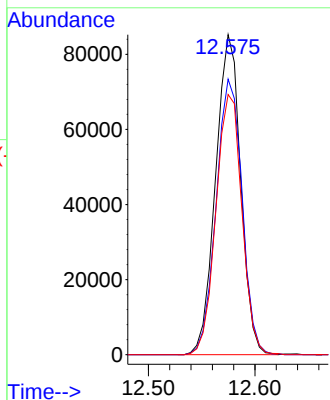
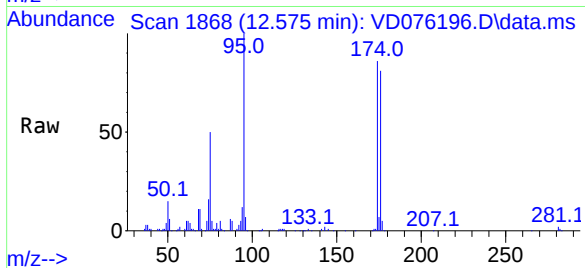




#62
4-Bromofluorobenzene
Concen: 32.508 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076196.D
Acq: 23 May 2023 16:31

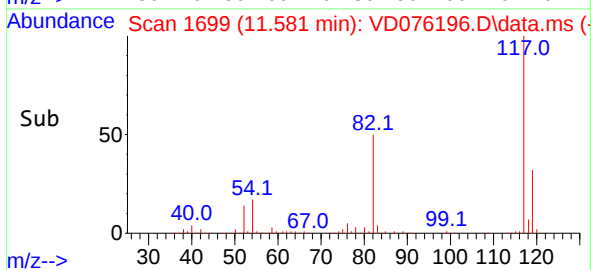
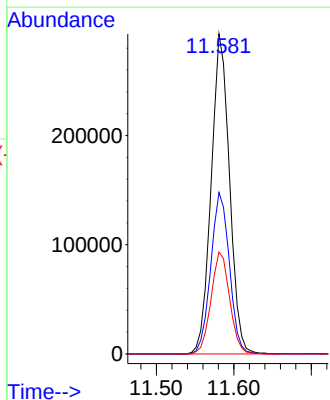
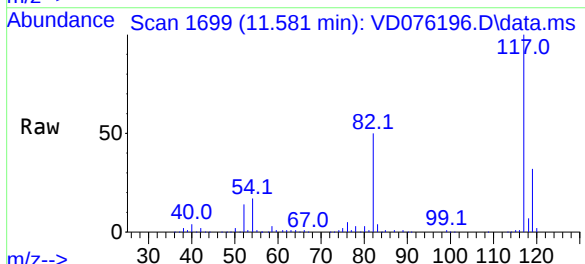
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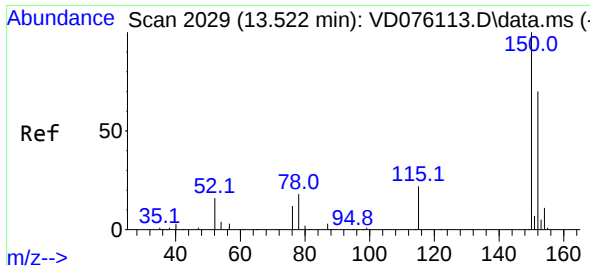
Tgt Ion: 95 Resp: 138906
Ion Ratio Lower Upper
95 100
174 89.3 0.0 164.0
176 84.3 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076196.D
Acq: 23 May 2023 16:31

Tgt Ion: 117 Resp: 481674
Ion Ratio Lower Upper
117 100
82 50.5 44.0 66.0
119 31.8 25.1 37.7

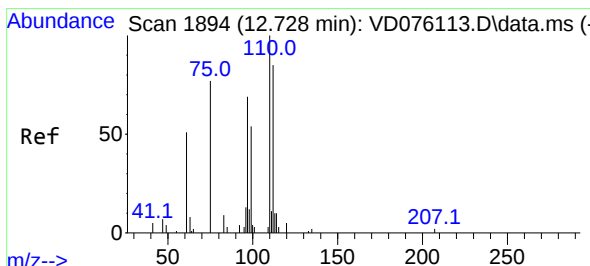
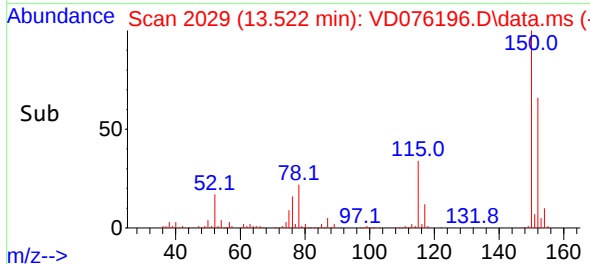
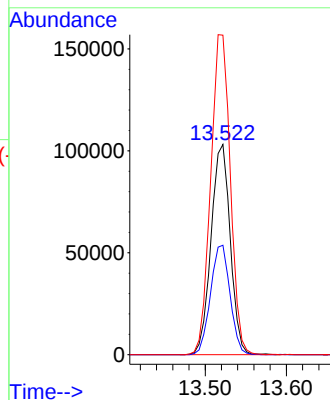
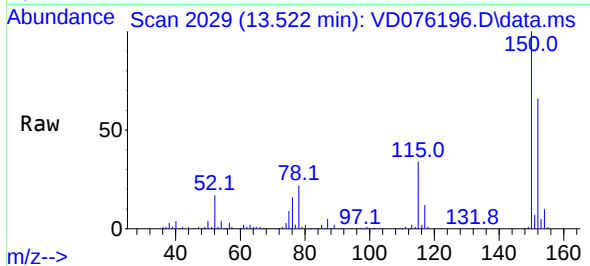




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD076196.D
 Acq: 23 May 2023 16:31

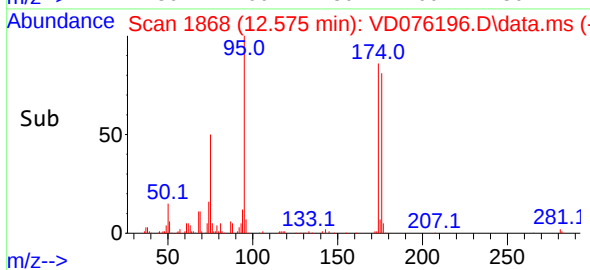
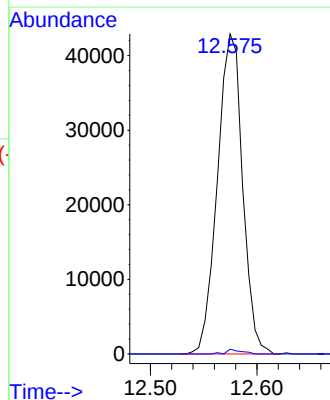
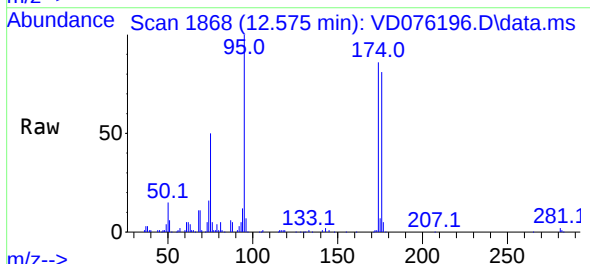
Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-226

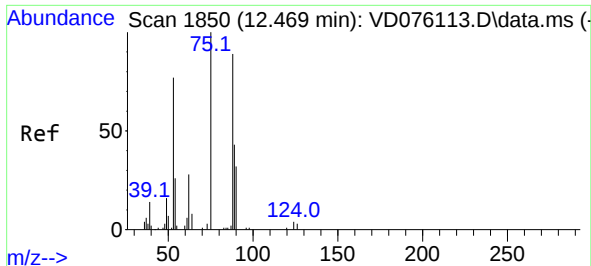
Tgt Ion:152 Resp: 169655
 Ion Ratio Lower Upper
 152 100
 115 52.9 30.1 90.3
 150 155.3 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 47.392 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD076196.D
 Acq: 23 May 2023 16:31

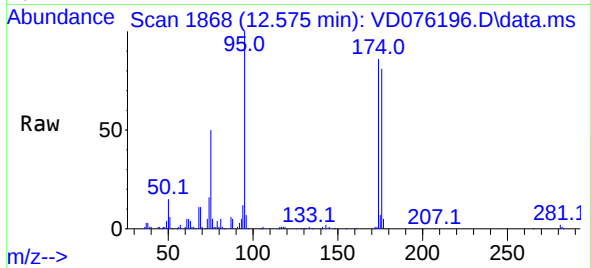
Tgt Ion: 75 Resp: 70360
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.421 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.100 min
 Lab File: VD076196.D
 Acq: 23 May 2023 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-226



Tgt Ion:	75	Resp:	70360
Ion	Ratio	Lower	Upper
75	100		
53	0.1	90.5	135.7#
89	0.1	40.2	60.4#

