

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
 Data File : VD079549.D
 Acq On : 02 Aug 2024 18:26
 Operator : RP/MD
 Sample : P3402-01
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-222

Quant Time: Aug 02 19:03:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

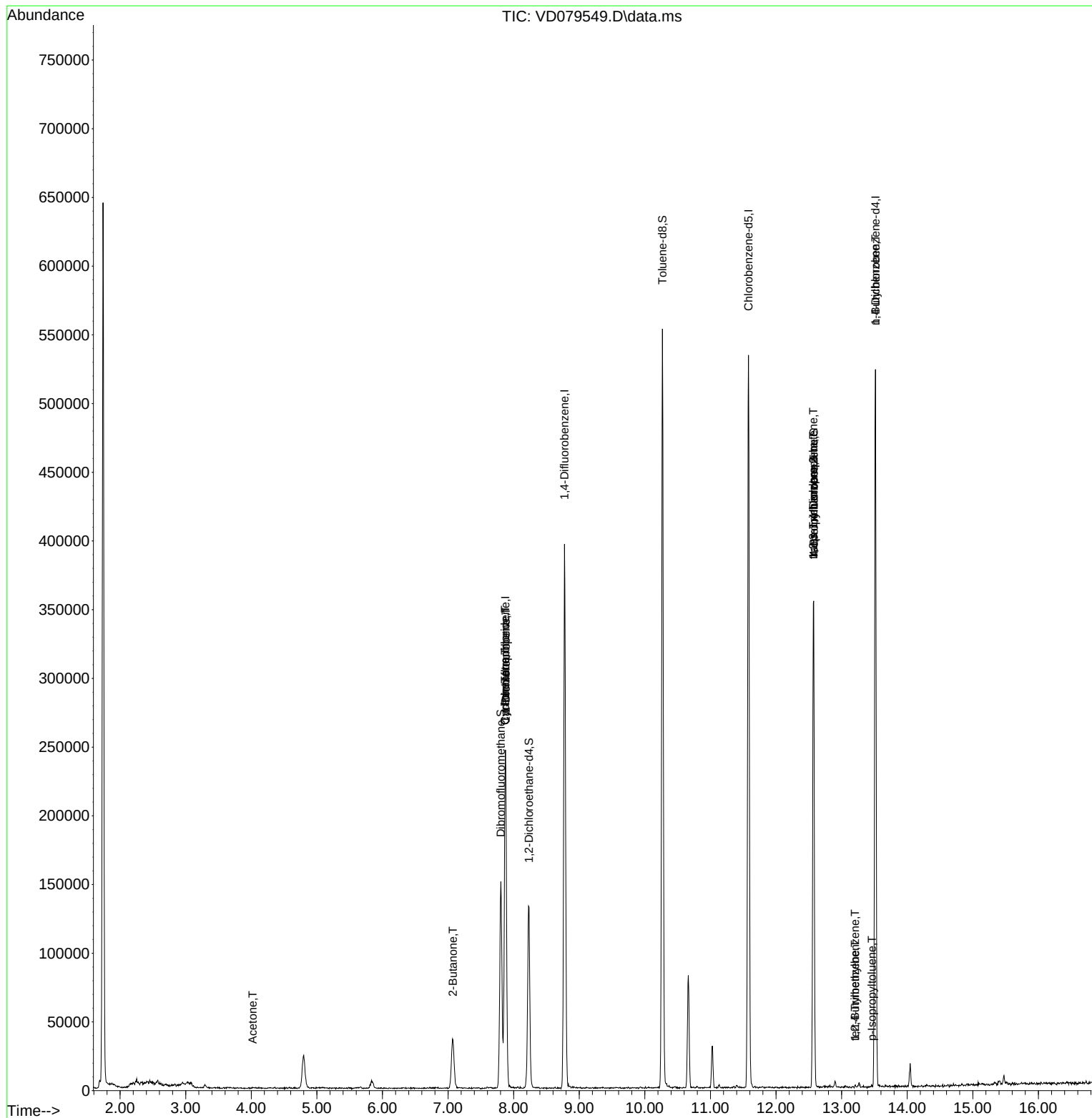
Internal Standards						
1) Pentafluorobenzene	7.875	168	199546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	351586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	324774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	146697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	101454	50.046	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.100%
35) Dibromofluoromethane	7.804	113	107749	45.278	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.560%
50) Toluene-d8	10.269	98	385811	41.749	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.500%
62) 4-Bromofluorobenzene	12.575	95	102765	38.428	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.860%
Target Compounds						Qvalue
5) Bromomethane	2.699	94	553	Below Cal		99
11) Tert butyl alcohol	5.052	59	244	Below Cal	#	86
16) Acetone	4.022	43	831	2.109	ug/l #	37
20) Methylene Chloride	4.799	84	18850	Below Cal		92
25) 2-Butanone	7.075	43	1592	2.850	ug/l #	42
31) Cyclohexane	7.869	56	3906	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	15615	4.808	ug/l #	44
38) Carbon Tetrachloride	7.869	117	17905	5.244	ug/l #	16
73) Isopropylbenzene	12.575	105	90	3.635	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	52020	40.568	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	52020	77.375	ug/l #	19
83) tert-Butylbenzene	13.204	119	55	3.634	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.204	105	939	3.524	ug/l	72
86) p-Isopropyltoluene	13.463	119	214	3.906	ug/l #	51
89) n-Butylbenzene	13.516	91	330	3.814	ug/l #	46

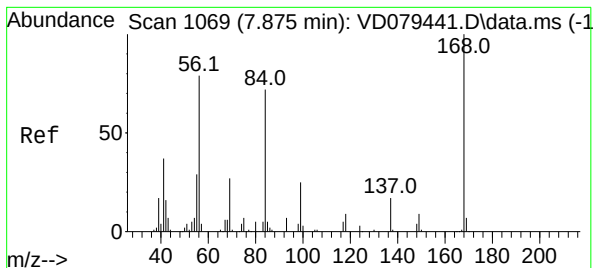
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
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: VD079549.D

Acq: 02 Aug 2024 18:26

Instrument :

MSVOA_D

ClientSampleId :

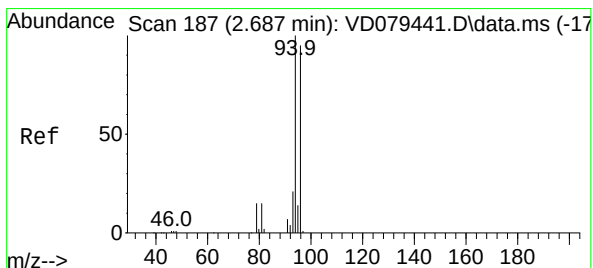
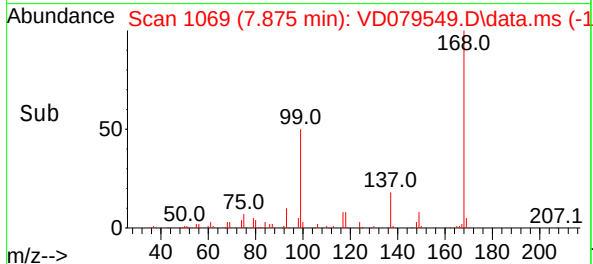
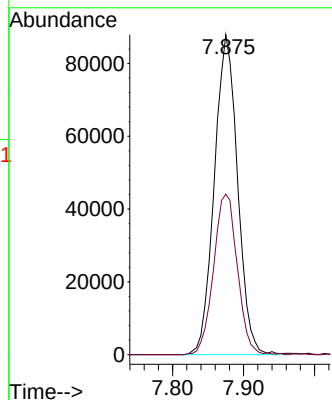
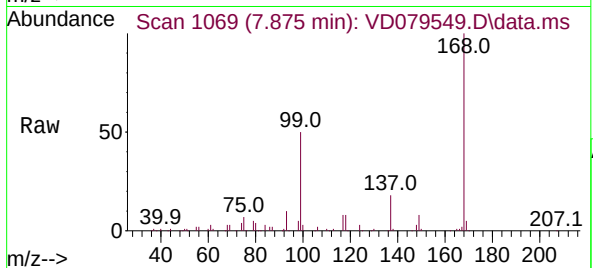
VNJ-222

Tgt Ion:168 Resp: 199546

Ion Ratio Lower Upper

168 100

99 50.1 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.699 min Scan# 189

Delta R.T. 0.012 min

Lab File: VD079549.D

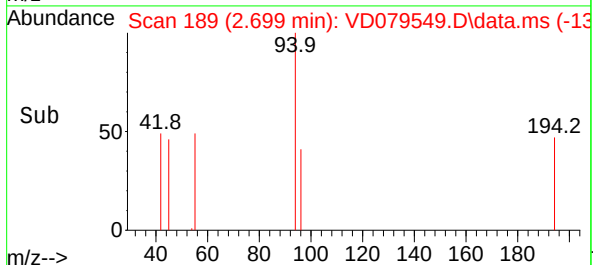
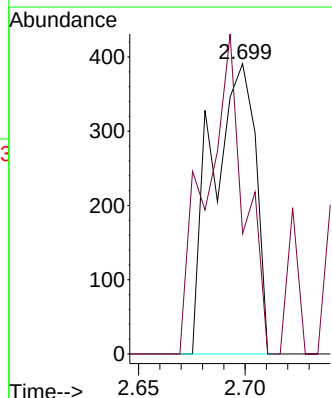
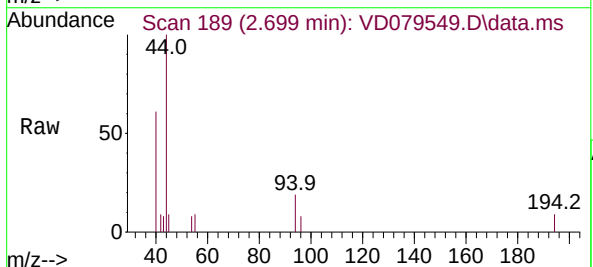
Acq: 02 Aug 2024 18:26

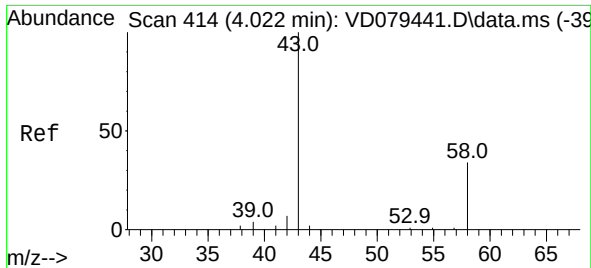
Tgt Ion: 94 Resp: 553

Ion Ratio Lower Upper

94 100

96 97.3 76.9 115.3





#16

Acetone

Concen: 2.109 ug/l

RT: 4.022 min Scan# 414

Delta R.T. -0.000 min

Lab File: VD079549.D

Acq: 02 Aug 2024 18:26

Instrument :

MSVOA_D

ClientSampleId :

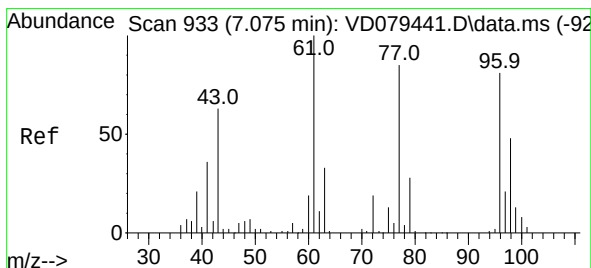
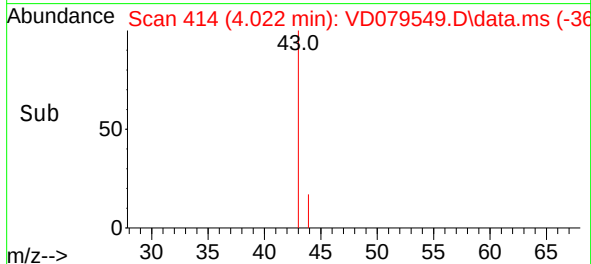
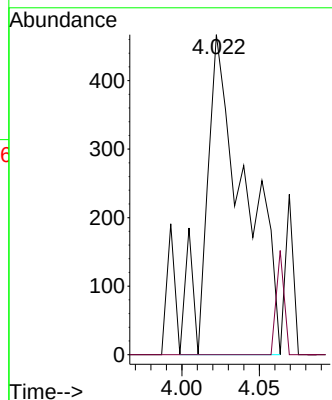
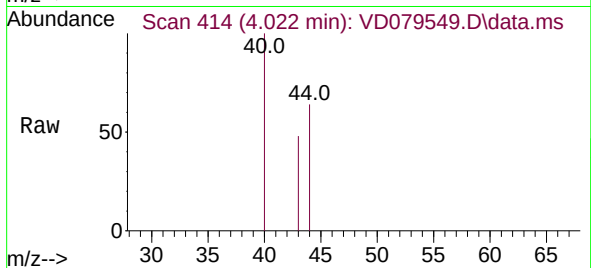
VNJ-222

Tgt Ion: 43 Resp: 831

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#25

2-Butanone

Concen: 2.850 ug/l

RT: 7.075 min Scan# 933

Delta R.T. -0.018 min

Lab File: VD079549.D

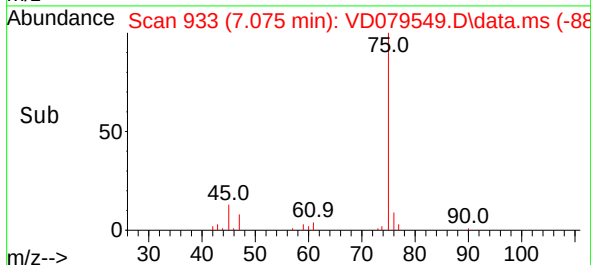
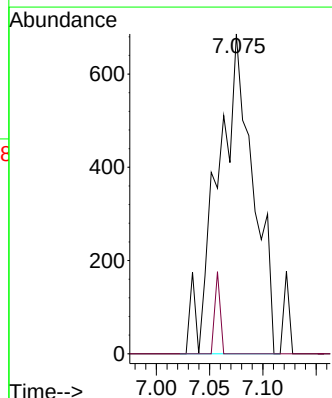
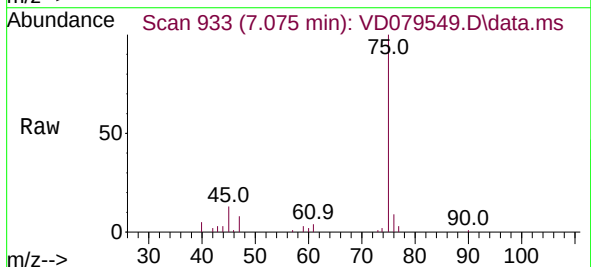
Acq: 02 Aug 2024 18:26

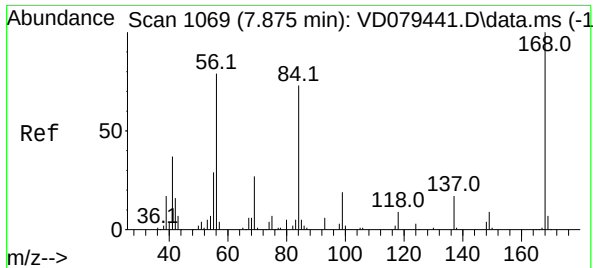
Tgt Ion: 43 Resp: 1592

Ion Ratio Lower Upper

43 100

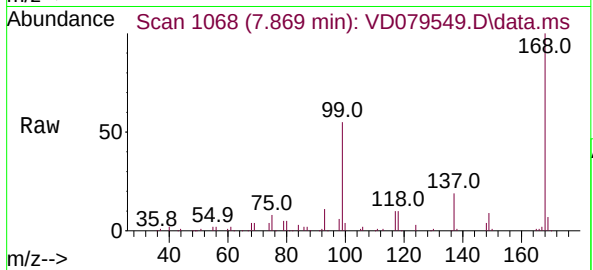
72 0.0 26.4 39.6#



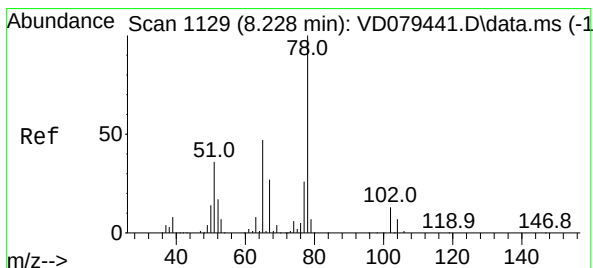
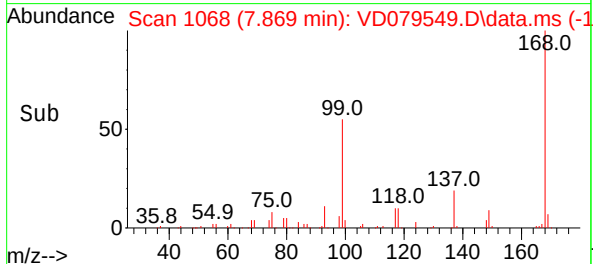
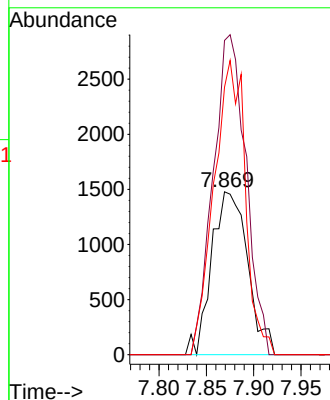


#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.869 min Scan# 1130
Delta R.T. -0.012 min
Lab File: VD079549.D
Acq: 02 Aug 2024 18:26

Instrument :
MSVOA_D
ClientSampleId :
VNJ-222

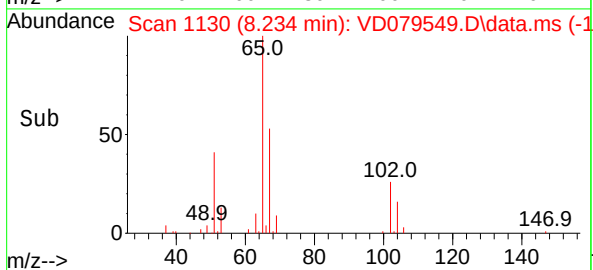
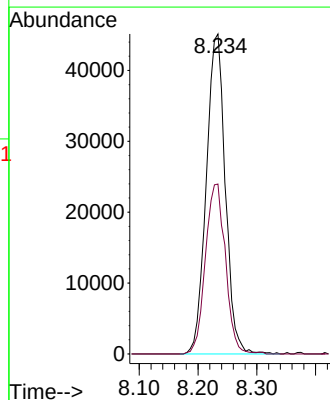
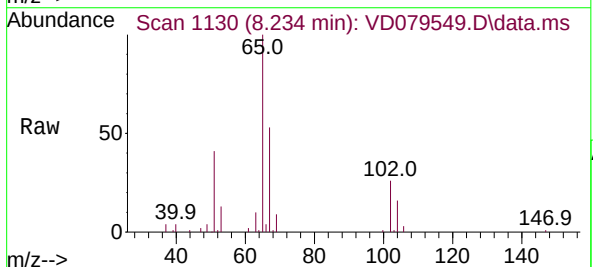


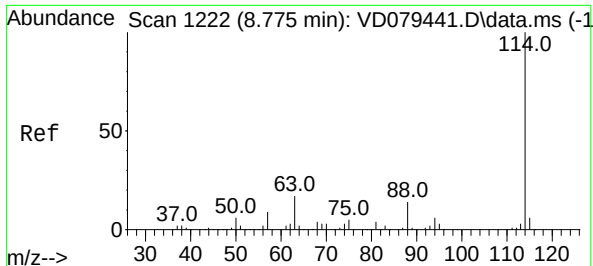
Tgt Ion: 56 Resp: 3906
Ion Ratio Lower Upper
56 100
69 193.0 28.0 42.0#
84 164.3 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 50.046 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD079549.D
Acq: 02 Aug 2024 18:26

Tgt Ion: 65 Resp: 101454
Ion Ratio Lower Upper
65 100
67 55.9 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079549.D

Acq: 02 Aug 2024 18:26

Instrument :

MSVOA_D

ClientSampleId :

VNJ-222

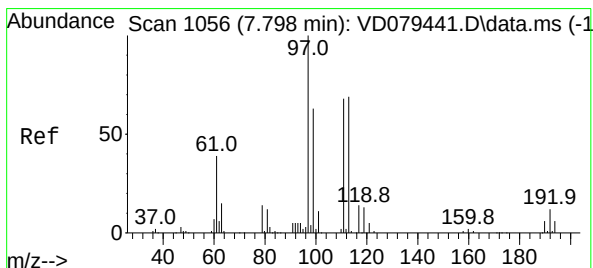
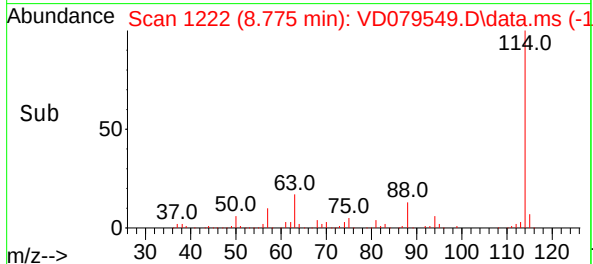
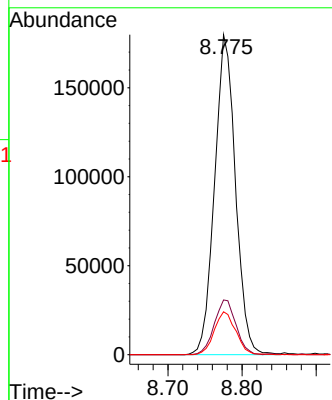
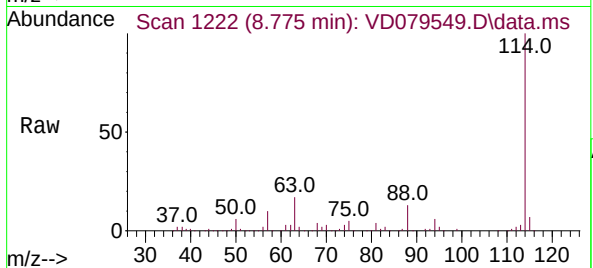
Tgt Ion:114 Resp: 351586

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.0

88 13.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 45.278 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079549.D

Acq: 02 Aug 2024 18:26

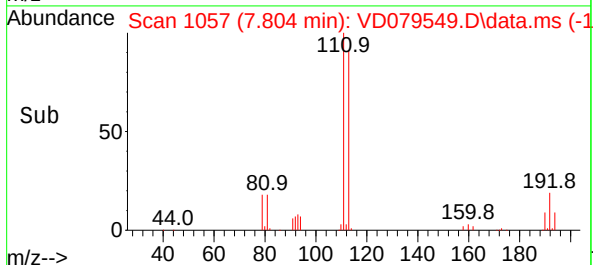
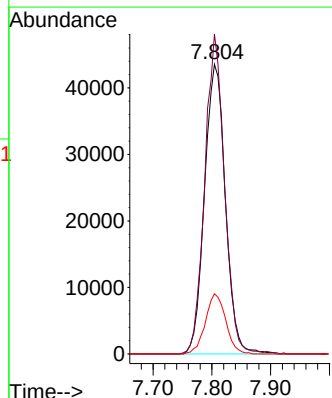
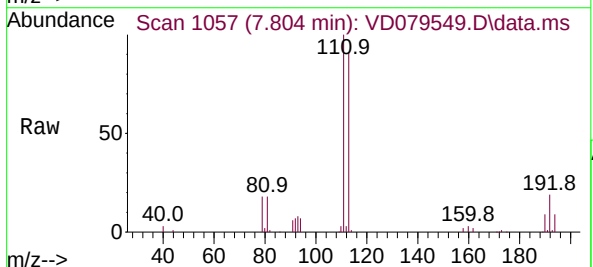
Tgt Ion:113 Resp: 107749

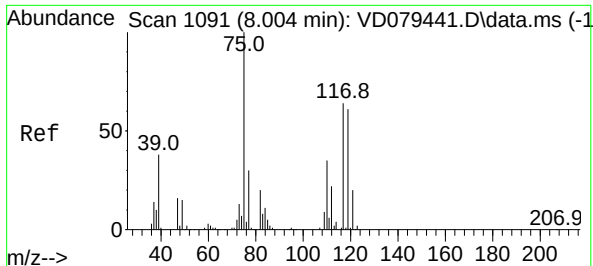
Ion Ratio Lower Upper

113 100

111 104.0 84.0 126.0

192 20.3 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.808 ug/l

RT: 7.881 min Scan# 1

Delta R.T. -0.130 min

Lab File: VD079549.D

Acq: 02 Aug 2024 18:26

Instrument :

MSVOA_D

ClientSampleId :

VNJ-222

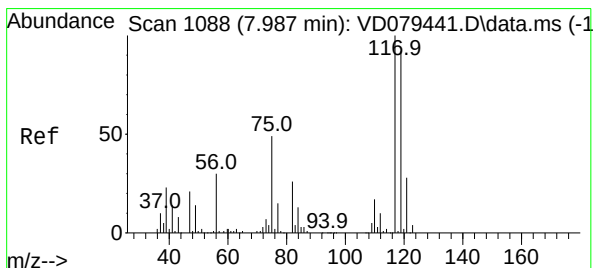
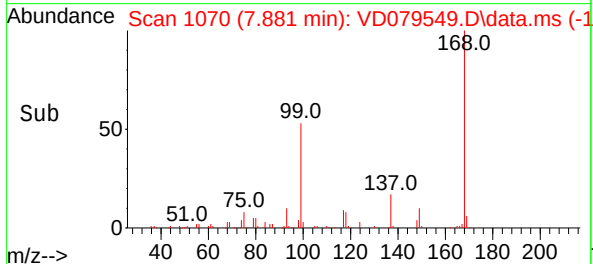
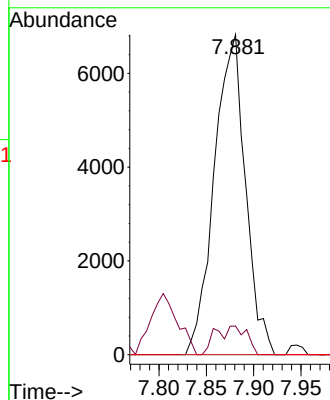
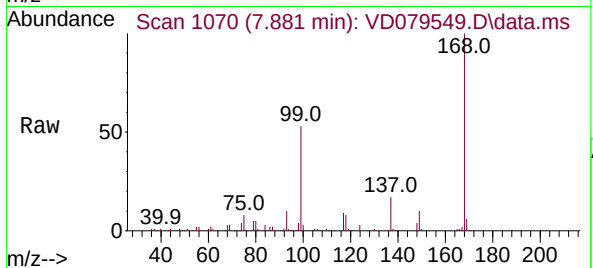
Tgt Ion: 75 Resp: 15615

Ion Ratio Lower Upper

75 100

110 5.4 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 5.244 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD079549.D

Acq: 02 Aug 2024 18:26

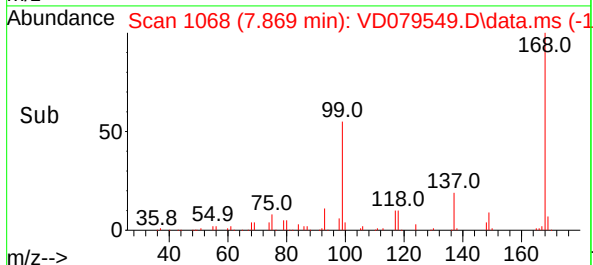
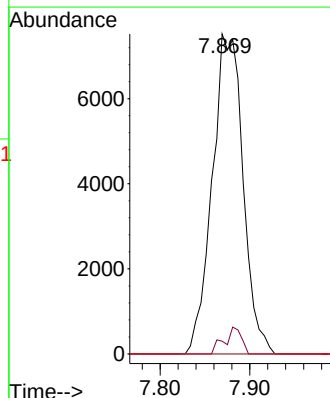
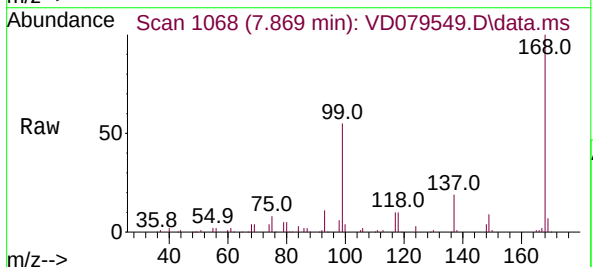
Tgt Ion: 117 Resp: 17905

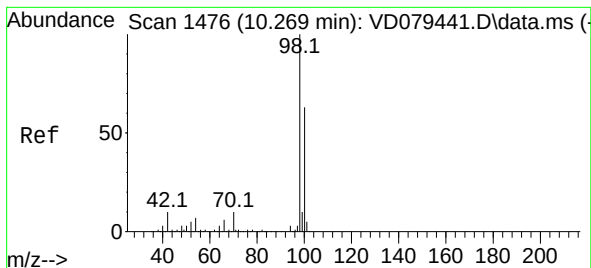
Ion Ratio Lower Upper

117 100

119 4.0 75.4 113.0#

121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 41.749 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079549.D

Acq: 02 Aug 2024 18:26

Instrument :

MSVOA_D

ClientSampleId :

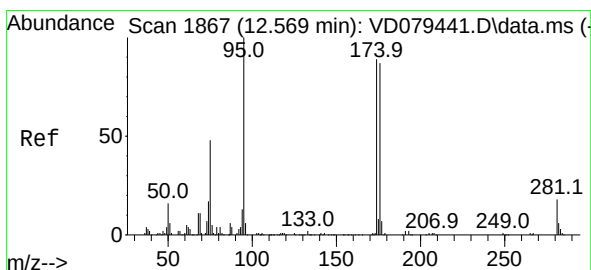
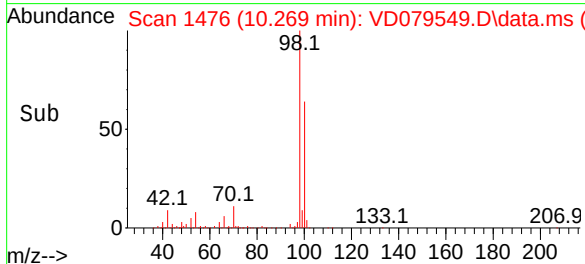
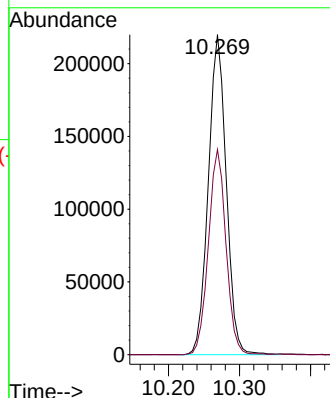
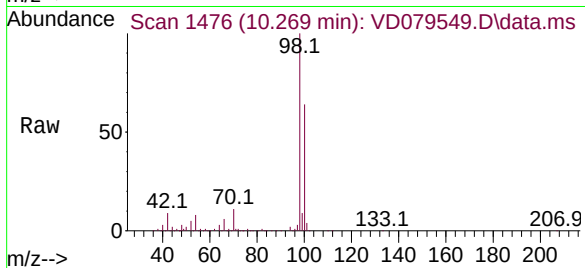
VNJ-222

Tgt Ion: 98 Resp: 385811

Ion Ratio Lower Upper

98 100

100 63.0 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 38.428 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD079549.D

Acq: 02 Aug 2024 18:26

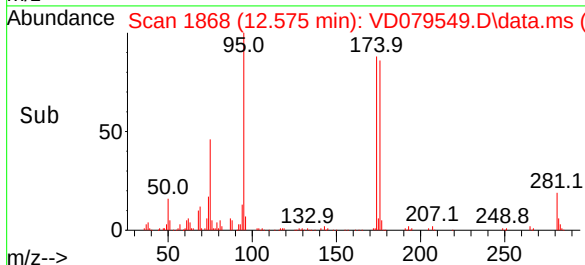
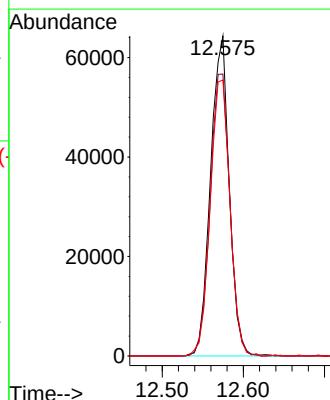
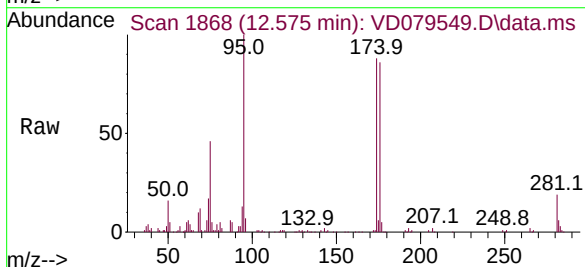
Tgt Ion: 95 Resp: 102765

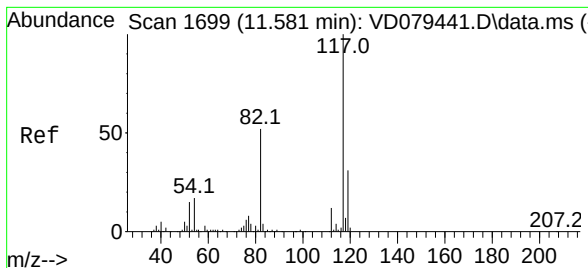
Ion Ratio Lower Upper

95 100

174 92.9 0.0 195.4

176 91.0 0.0 192.6

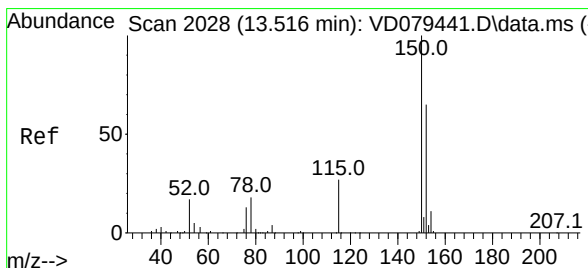
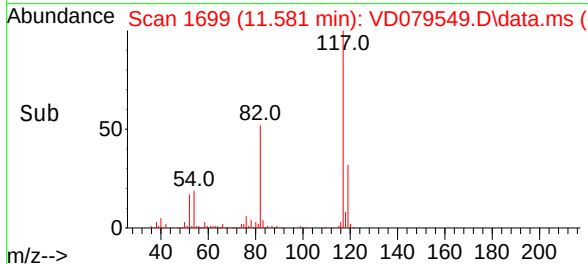
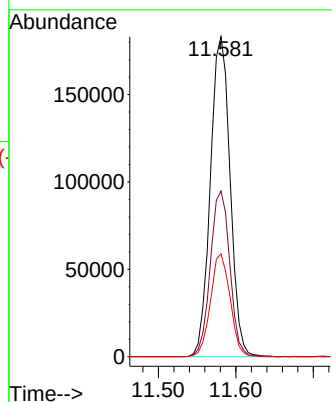
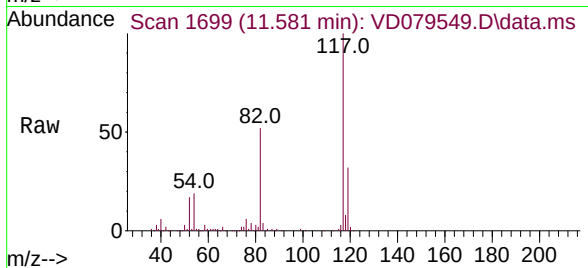




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD079549.D
Acq: 02 Aug 2024 18:26

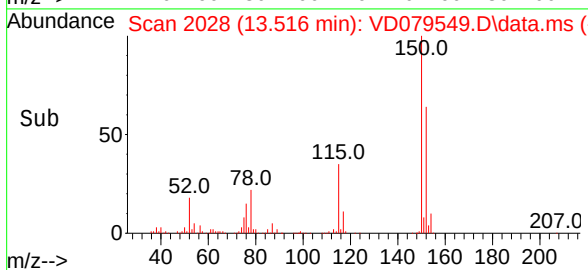
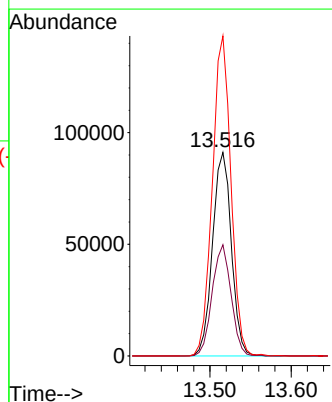
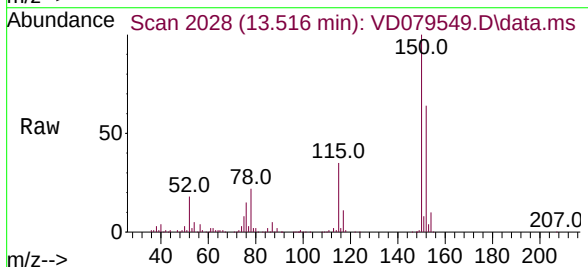
Instrument :
MSVOA_D
ClientSampleId :
VNJ-222

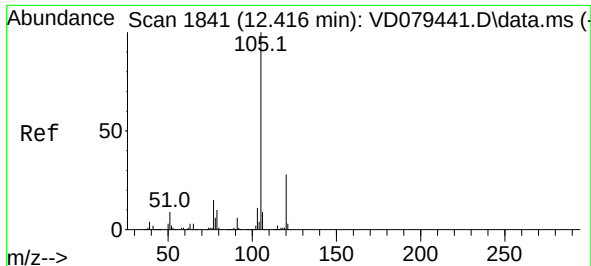
Tgt Ion:117 Resp: 324774
Ion Ratio Lower Upper
117 100
82 51.8 39.8 59.6
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079549.D
Acq: 02 Aug 2024 18:26

Tgt Ion:152 Resp: 146697
Ion Ratio Lower Upper
152 100
115 54.7 26.5 79.5
150 155.5 0.0 341.6

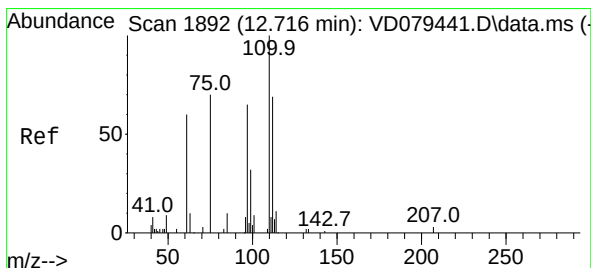
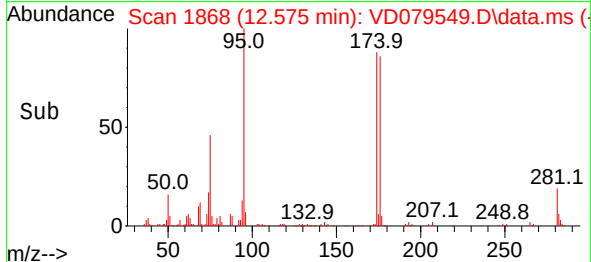
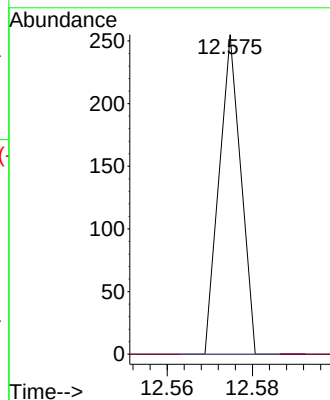
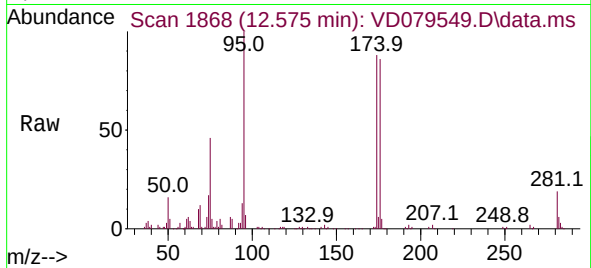




#73
Isopropylbenzene
Concen: 3.635 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.159 min
Lab File: VD079549.D
Acq: 02 Aug 2024 18:26

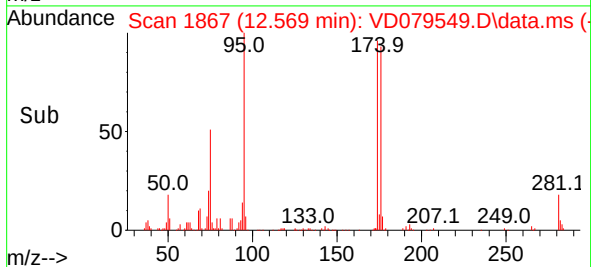
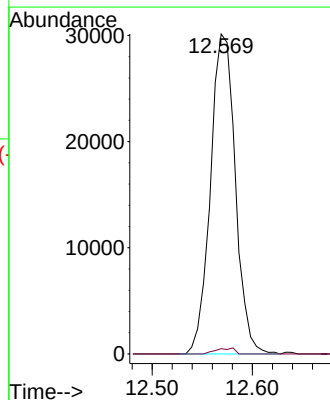
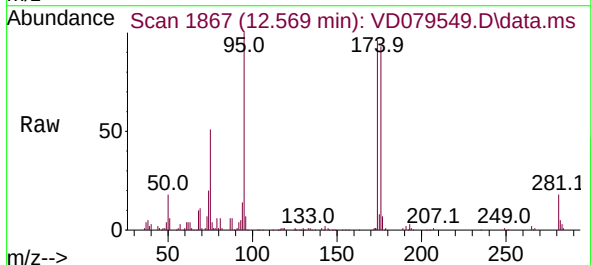
Instrument :
MSVOA_D
ClientSampleId :
VNJ-222

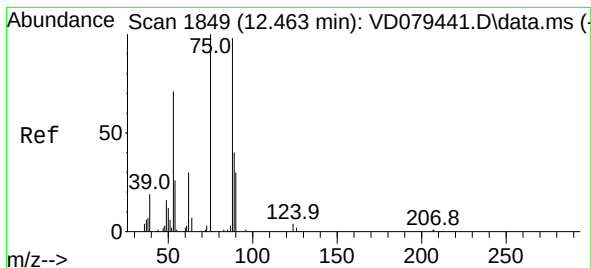
Tgt Ion:105 Resp: 90
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#



#76
1,2,3-Trichloropropane
Concen: 40.568 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079549.D
Acq: 02 Aug 2024 18:26

Tgt Ion: 75 Resp: 52020
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

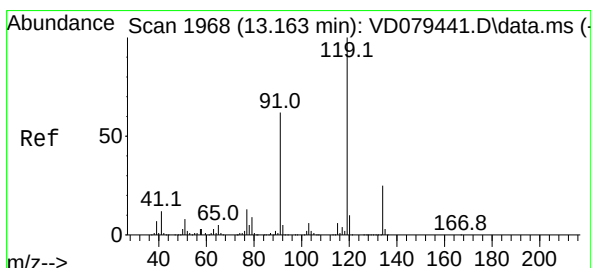
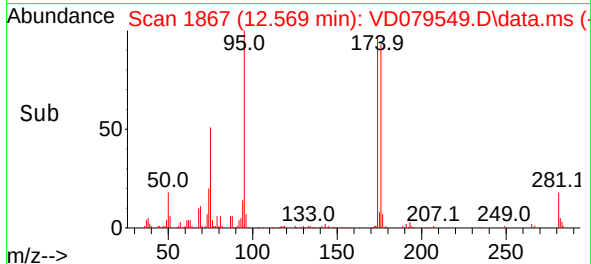
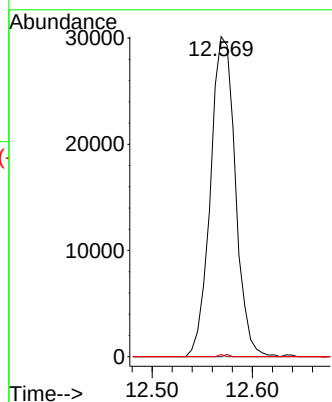
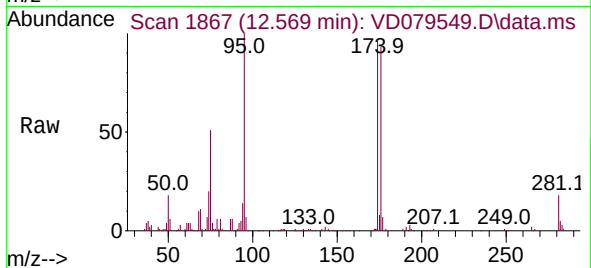




#81
trans-1,4-Dichloro-2-butene
Concen: 77.375 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD079549.D
Acq: 02 Aug 2024 18:26

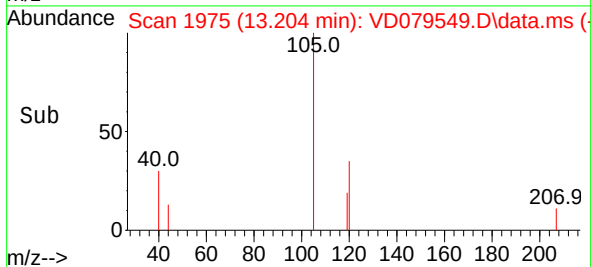
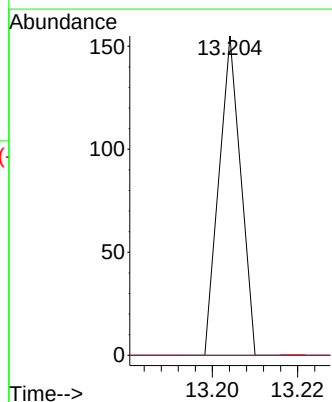
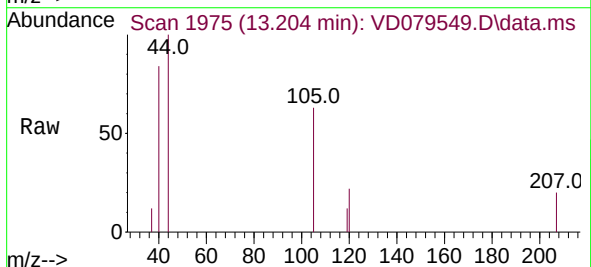
Instrument :
MSVOA_D
ClientSampleId :
VNJ-222

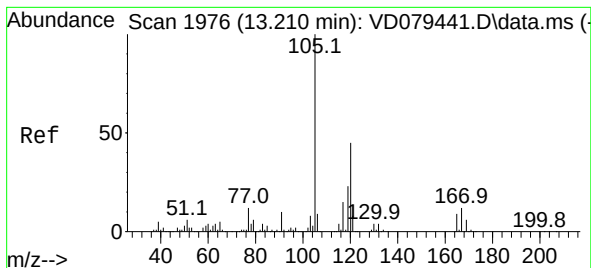
Tgt Ion: 75 Resp: 52020
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.1 35.4 53.0#



#83
tert-Butylbenzene
Concen: 3.634 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.041 min
Lab File: VD079549.D
Acq: 02 Aug 2024 18:26

Tgt Ion: 119 Resp: 55
Ion Ratio Lower Upper
119 100
91 0.0 28.2 84.7#
134 0.0 13.4 40.1#





#84

1,2,4-Trimethylbenzene

Concen: 3.524 ug/l

RT: 13.204 min Scan# 1975

Delta R.T. 0.000 min

Lab File: VD079549.D

Acq: 02 Aug 2024 18:26

Instrument :

MSVOA_D

ClientSampleId :

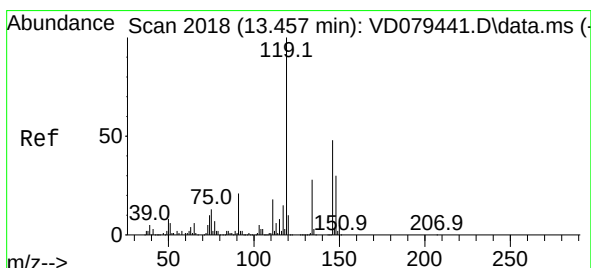
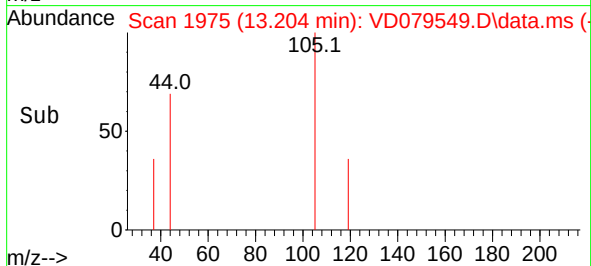
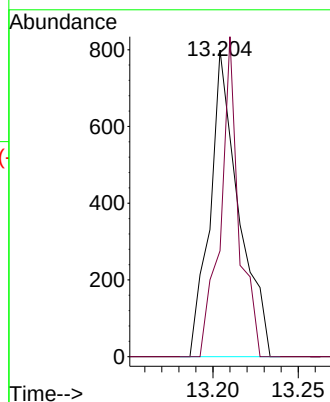
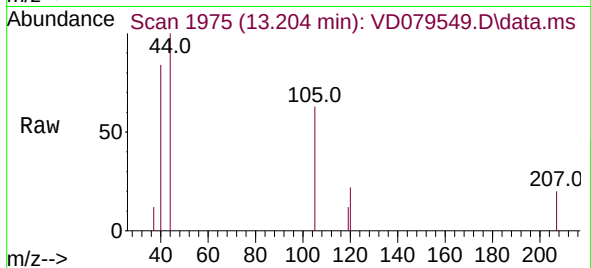
VNJ-222

Tgt Ion:105 Resp: 939

Ion Ratio Lower Upper

105 100

120 66.0 23.6 71.0



#86

p-Isopropyltoluene

Concen: 3.906 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.006 min

Lab File: VD079549.D

Acq: 02 Aug 2024 18:26

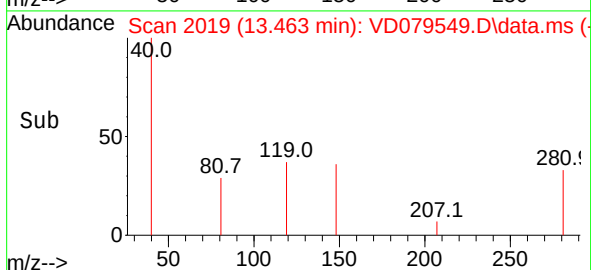
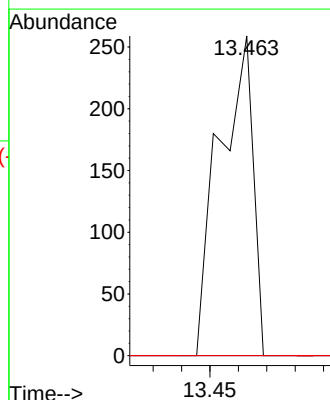
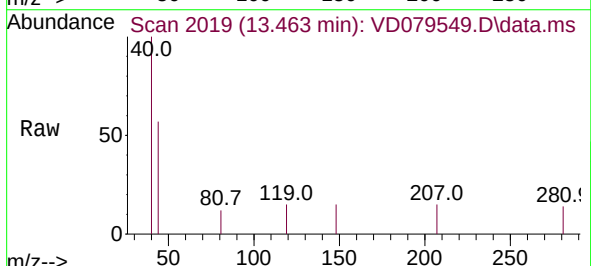
Tgt Ion:119 Resp: 214

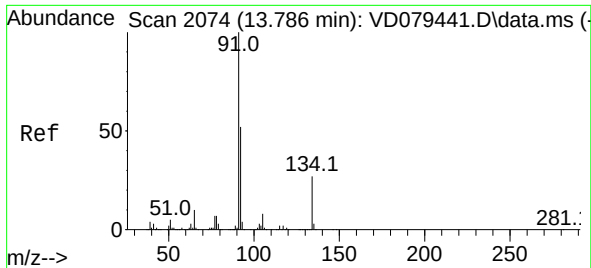
Ion Ratio Lower Upper

119 100

134 0.0 13.7 41.1#

91 0.0 10.7 32.1#





#89

n-Butylbenzene

Concen: 3.814 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.265 min

Lab File: VD079549.D

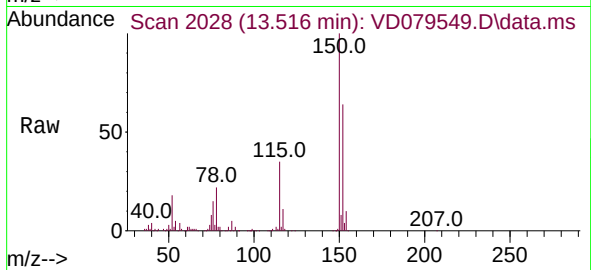
Acq: 02 Aug 2024 18:26

Instrument :

MSVOA_D

ClientSampleId :

VNJ-222



Tgt Ion:	91	Resp:	330
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	18.2	13.6	40.8

