

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072349.D
 Acq On : 21 Mar 2022 19:26
 Operator : VA/SY
 Sample : N2033-03
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-237

Quant Time: Mar 22 02:13:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

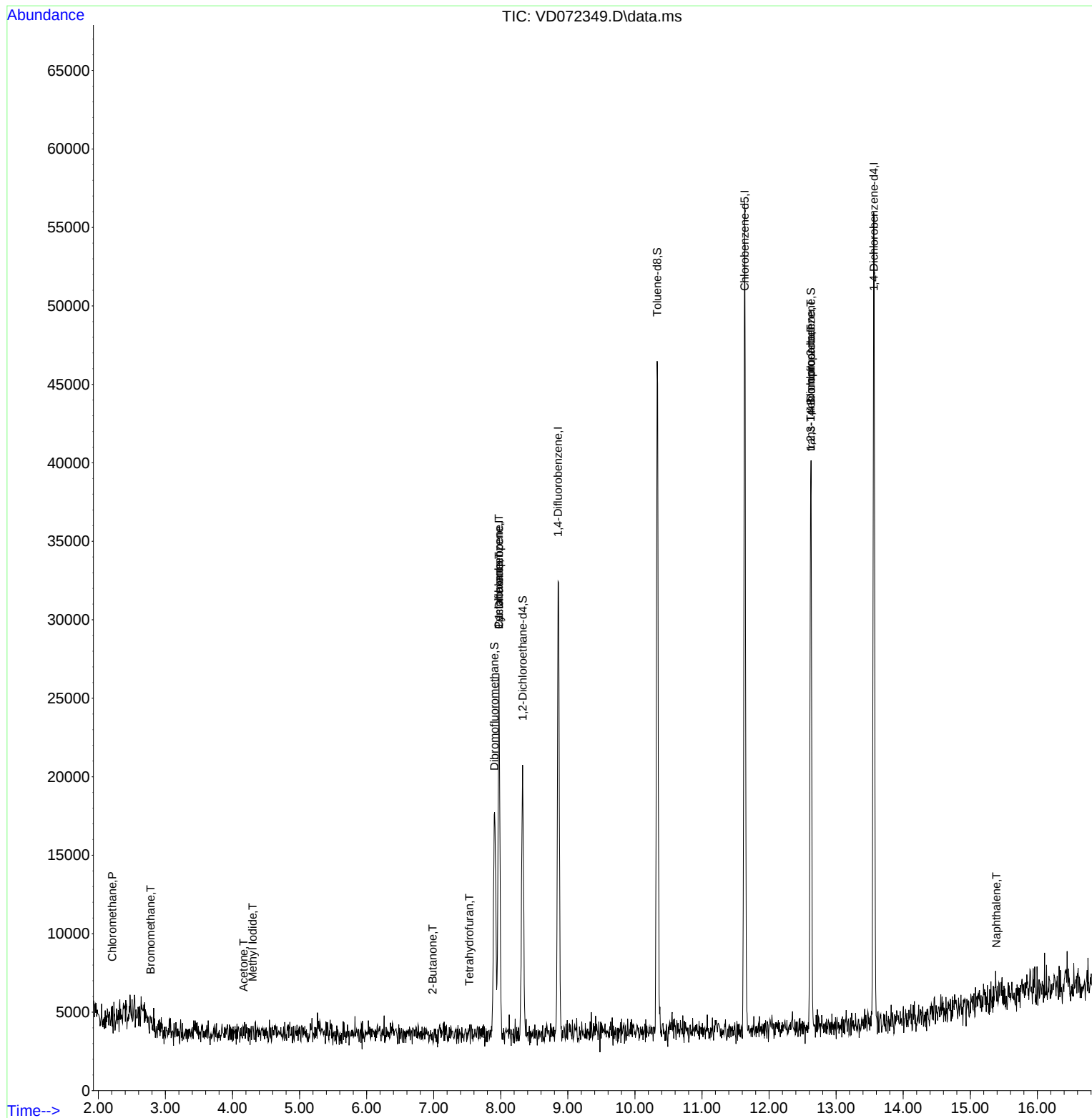
Internal Standards						
1) Pentafluorobenzene	7.973	168	14486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	23851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	28910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	12887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	12952	80.229	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 160.460%	
35) Dibromofluoromethane	7.902	113	10160	60.533	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.060%	
50) Toluene-d8	10.332	98	29385	47.881	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.760%	
62) 4-Bromofluorobenzene	12.626	95	12789	53.631	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.260%	
Target Compounds						
						Qvalue
3) Chloromethane	2.209	50	214	1.797	ug/l #	40
5) Bromomethane	2.779	94	508	6.788	ug/l #	57
10) Methyl Iodide	4.303	142	80	2.742	ug/l #	38
16) Acetone	4.167	43	315	8.987	ug/l #	47
20) Methylene Chloride	4.961	84	109	Below Cal	#	46
25) 2-Butanone	6.985	43	54	1.155	ug/l #	52
29) Tetrahydrofuran	7.532	42	68	2.474	ug/l #	38
31) Cyclohexane	7.973	56	289	1.146	ug/l #	4
36) 1,1-Dichloropropene	7.973	75	1299	5.517	ug/l #	43
76) 1,2,3-Trichloropropane	12.620	75	6725	47.308	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	6725	117.375	ug/l #	7
95) Naphthalene	15.390	128	703	1.467	ug/l #	70

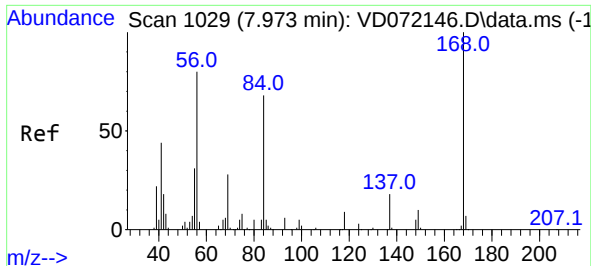
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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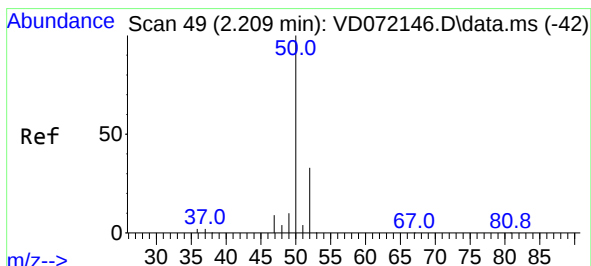
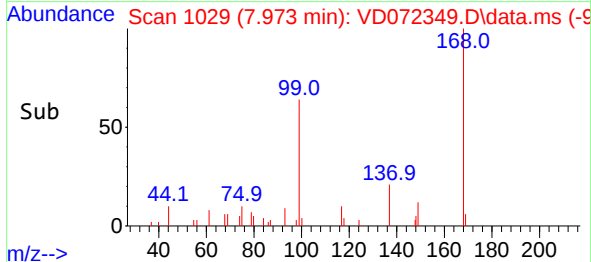
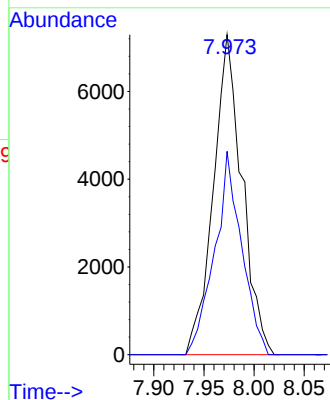
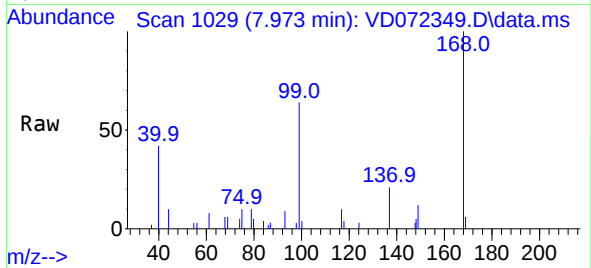




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

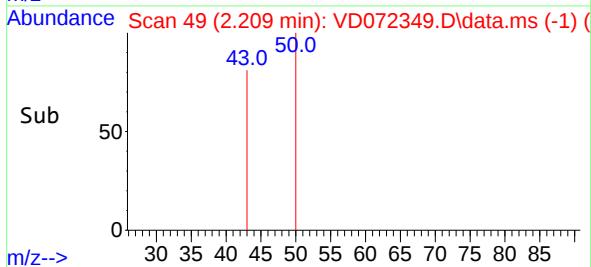
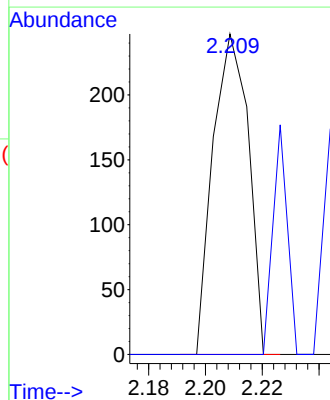
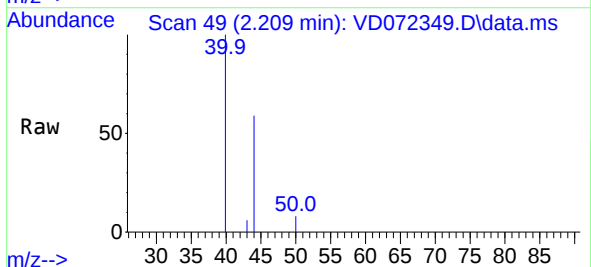
Instrument :
MSVOA_D
ClientSampleId :
VNJ-237

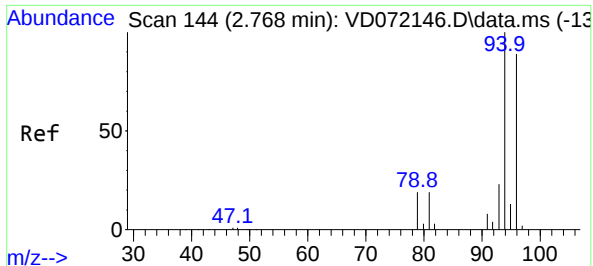
Tgt Ion:168 Resp: 14486
Ion Ratio Lower Upper
168 100
99 63.5 49.8 74.6



#3
Chloromethane
Concen: 1.797 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

Tgt Ion: 50 Resp: 214
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

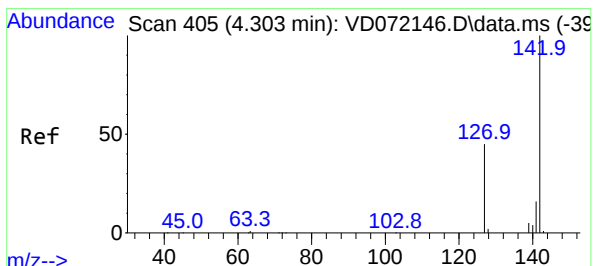
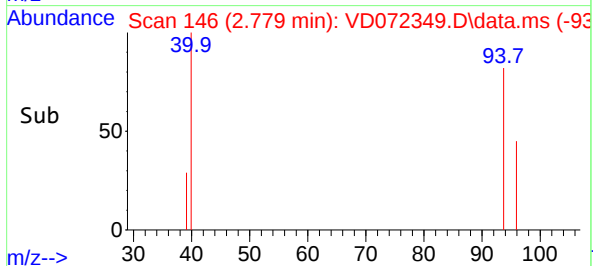
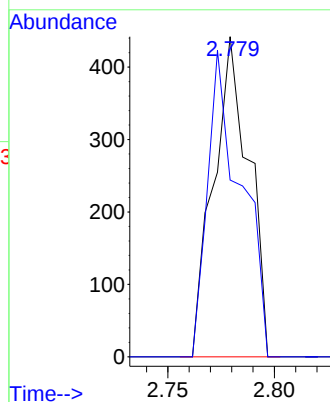
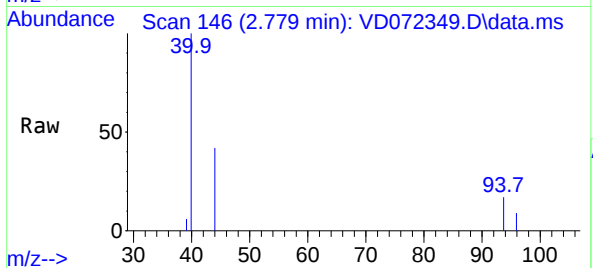




#5
Bromomethane
Concen: 6.788 ug/l
RT: 2.779 min Scan# 144
Delta R.T. 0.012 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

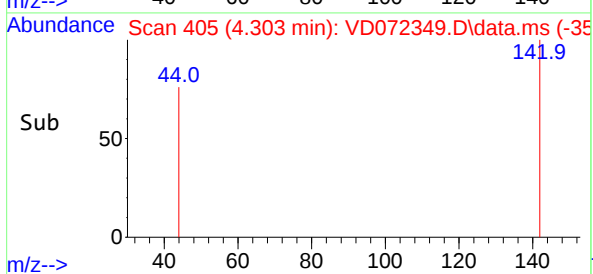
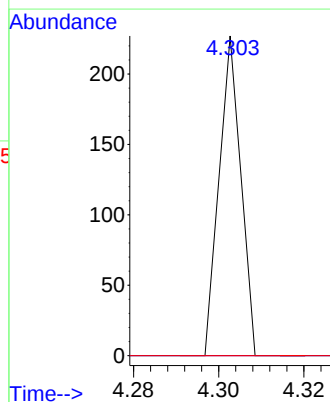
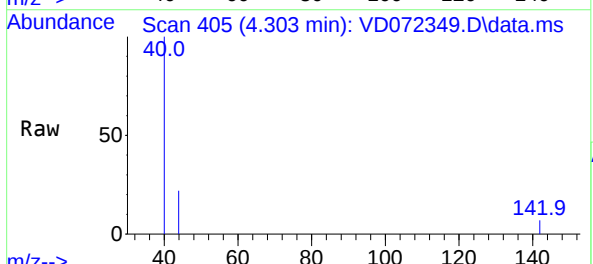
Instrument :
MSVOA_D
ClientSampleId :
VNJ-237

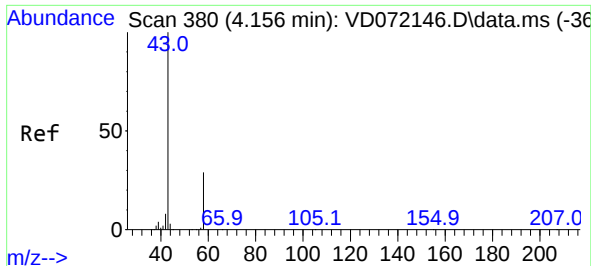
Tgt Ion: 94 Resp: 508
Ion Ratio Lower Upper
94 100
96 55.2 77.6 116.4#



#10
Methyl Iodide
Concen: 2.742 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

Tgt Ion: 142 Resp: 80
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

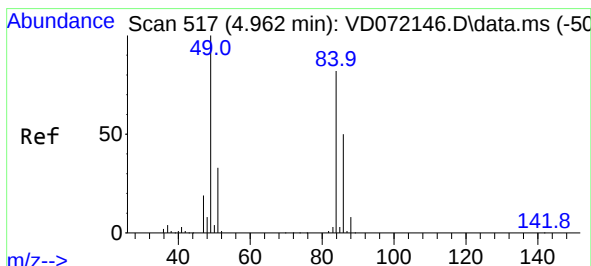
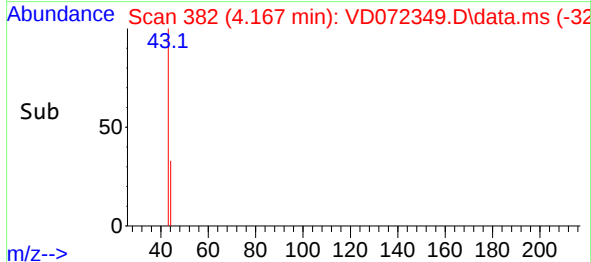
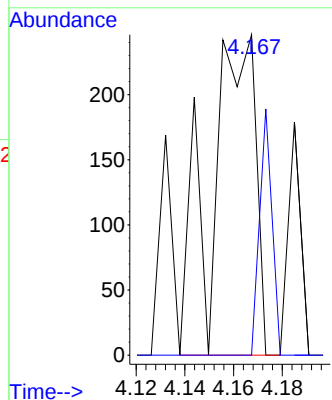
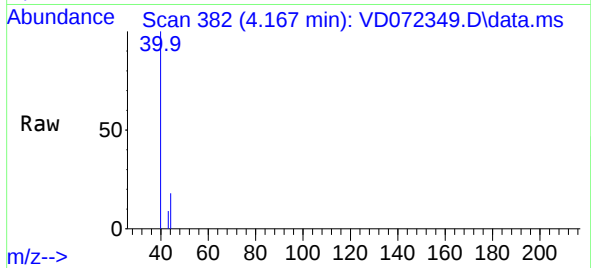




#16
Acetone
Concen: 8.987 ug/l
RT: 4.167 min Scan# 380
Delta R.T. 0.012 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

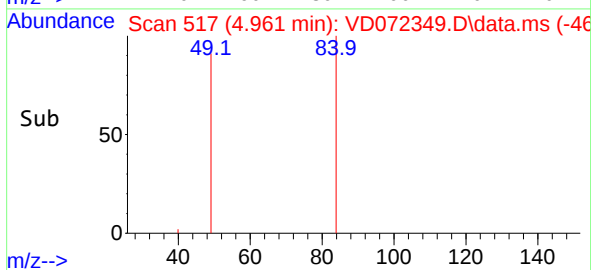
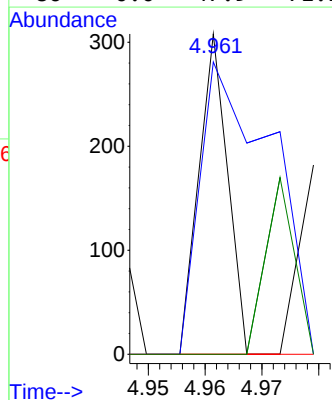
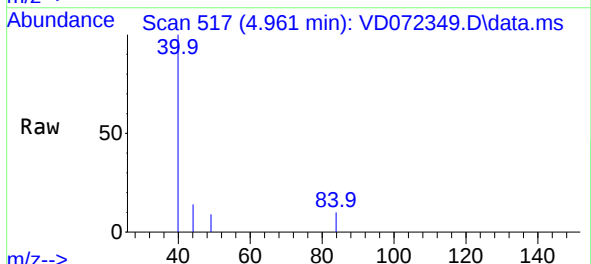
Instrument :
MSVOA_D
ClientSampleId :
VNJ-237

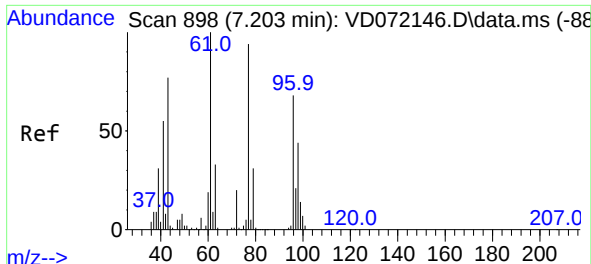
Tgt Ion: 43 Resp: 315
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

Tgt Ion: 84 Resp: 109
Ion Ratio Lower Upper
84 100
49 91.2 112.8 169.2#
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#





#25

2-Butanone

Concen: 1.155 ug/l

RT: 6.985 min Scan# 80

Delta R.T. -0.218 min

Lab File: VD072349.D

Acq: 21 Mar 2022 19:26

Instrument :

MSVOA_D

ClientSampleId :

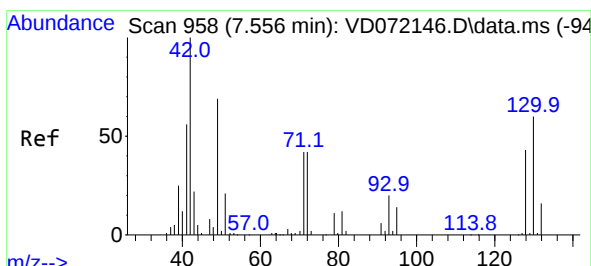
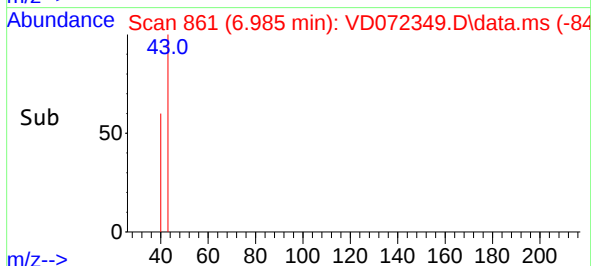
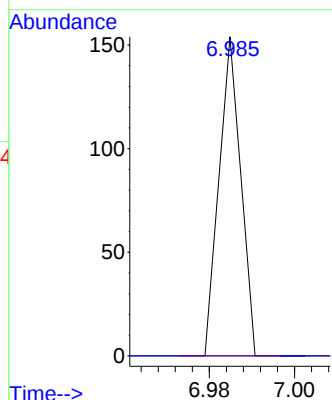
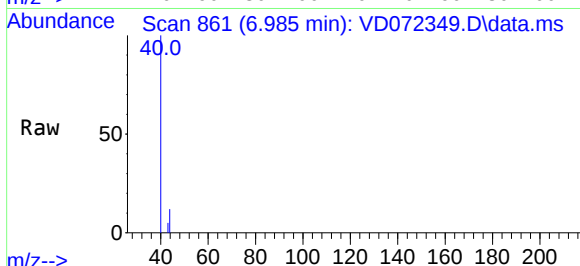
VNJ-237

Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#29

Tetrahydrofuran

Concen: 2.474 ug/l

RT: 7.532 min Scan# 954

Delta R.T. -0.024 min

Lab File: VD072349.D

Acq: 21 Mar 2022 19:26

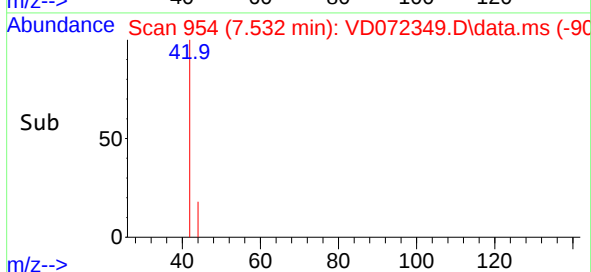
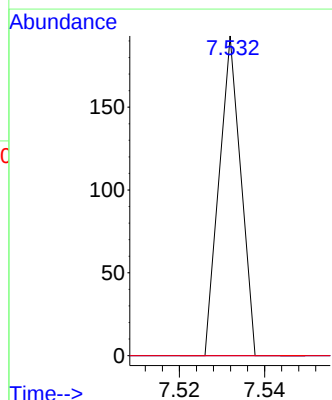
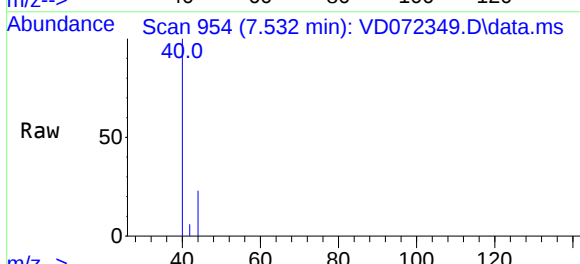
Tgt Ion: 42 Resp: 68

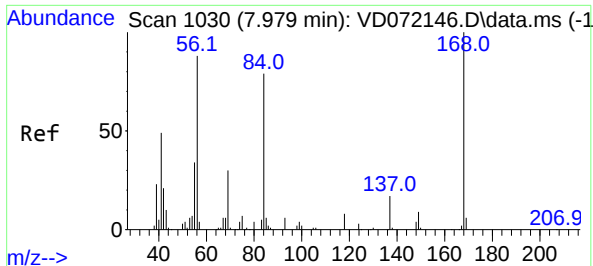
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#

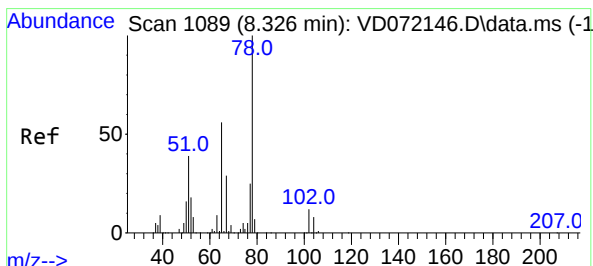
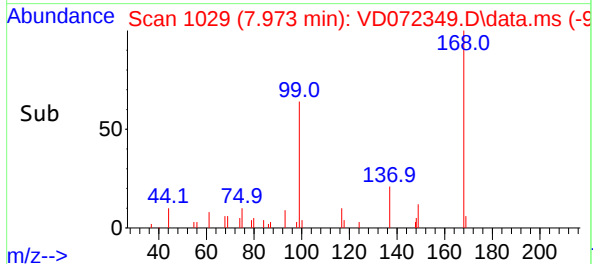
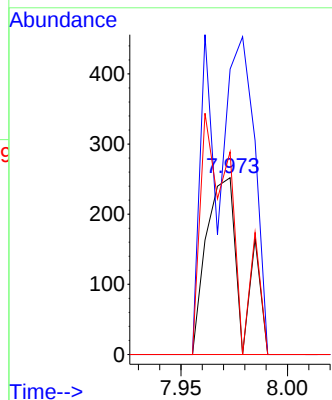
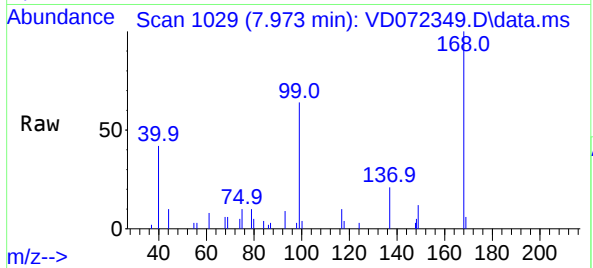




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

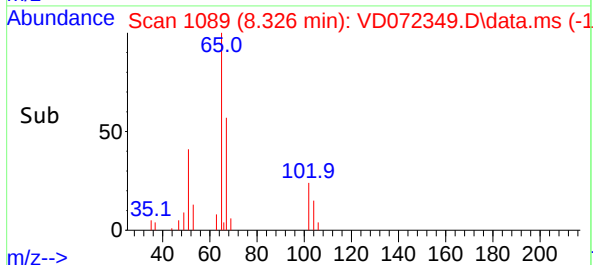
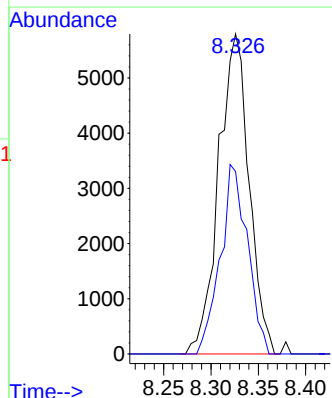
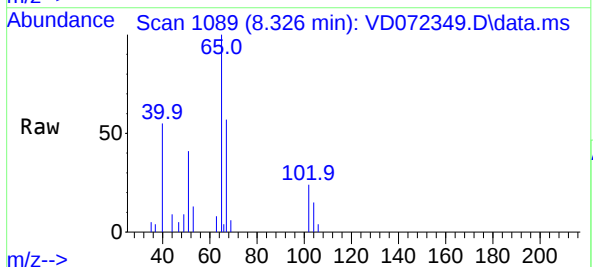
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MSVOA_D
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VNJ-237

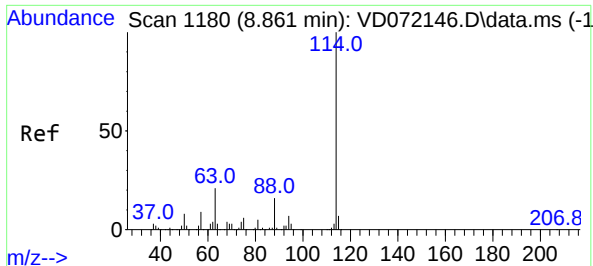
Tgt Ion: 56 Resp: 289
Ion Ratio Lower Upper
56 100
69 161.5 25.4 38.2#
84 114.7 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 80.229 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

Tgt Ion: 65 Resp: 12952
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD072349.D

Acq: 21 Mar 2022 19:26

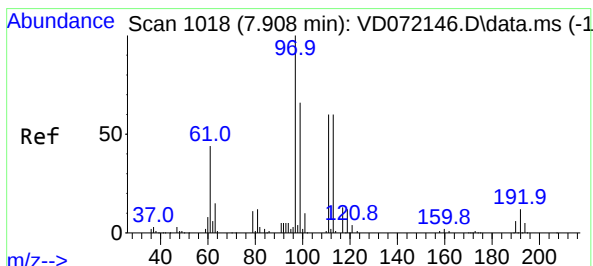
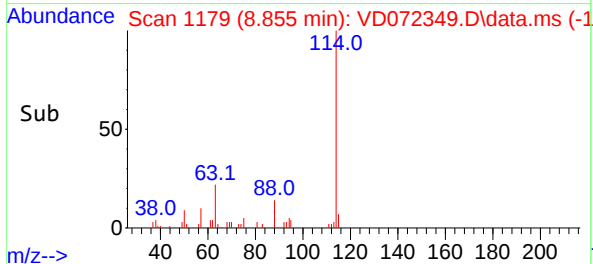
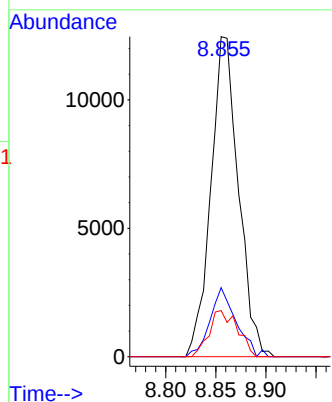
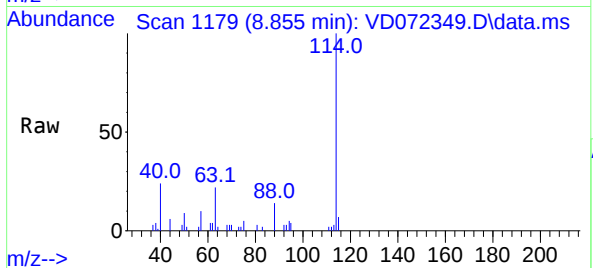
Instrument :

MSVOA_D

ClientSampleId :

VNJ-237

Tgt Ion:	114	Resp:	23851
Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	46.6
88	14.4	0.0	33.2



#35

Dibromofluoromethane

Concen: 60.533 ug/l

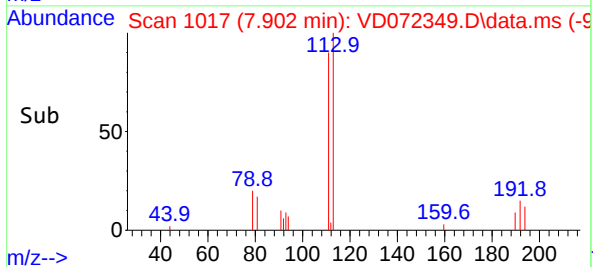
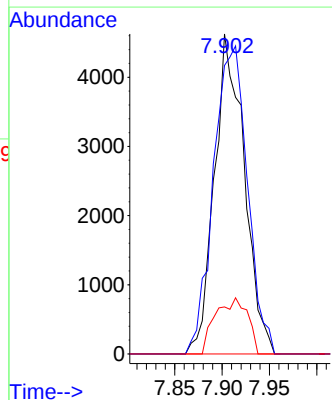
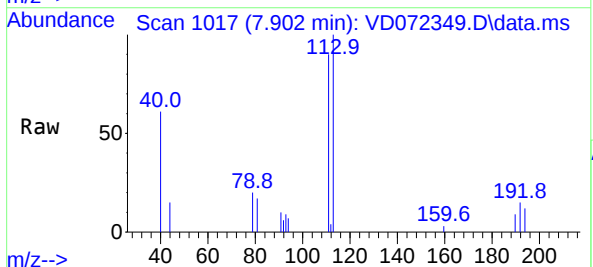
RT: 7.902 min Scan# 1017

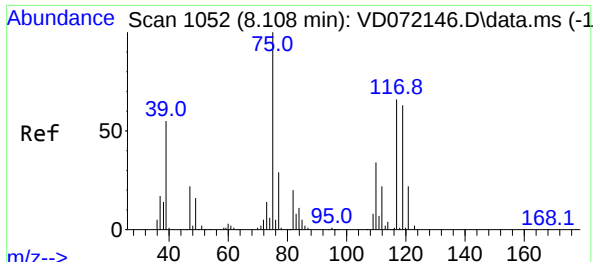
Delta R.T. -0.006 min

Lab File: VD072349.D

Acq: 21 Mar 2022 19:26

Tgt Ion:	113	Resp:	10160
Ion	Ratio	Lower	Upper
113	100		
111	109.3	83.8	125.6
192	18.8	14.6	21.8





#36

1,1-Dichloropropene

Concen: 5.517 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072349.D

Acq: 21 Mar 2022 19:26

Instrument :

MSVOA_D

ClientSampleId :

VNJ-237

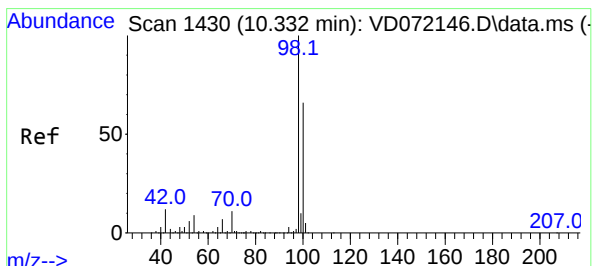
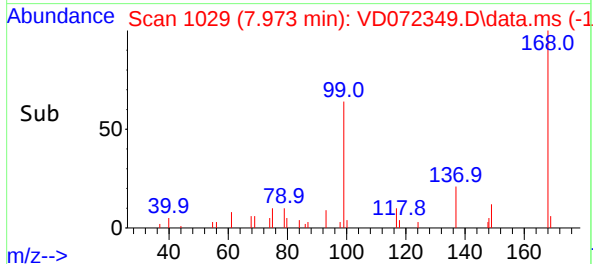
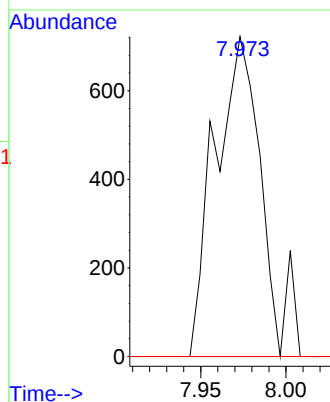
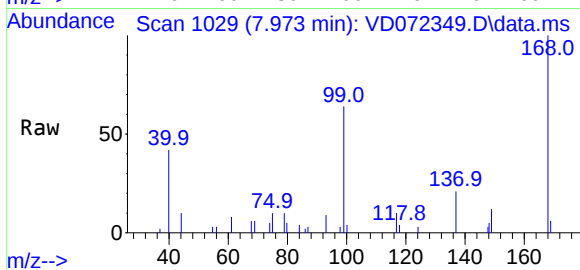
Tgt Ion: 75 Resp: 1299

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 47.881 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD072349.D

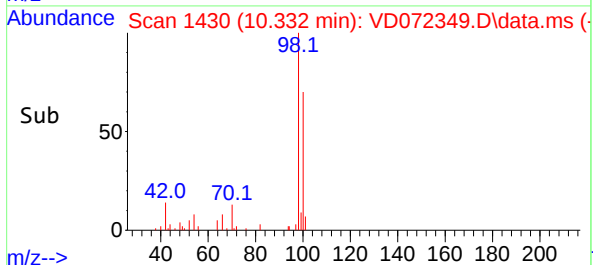
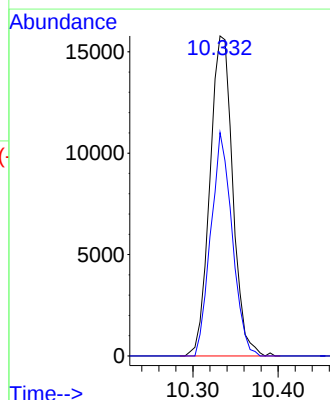
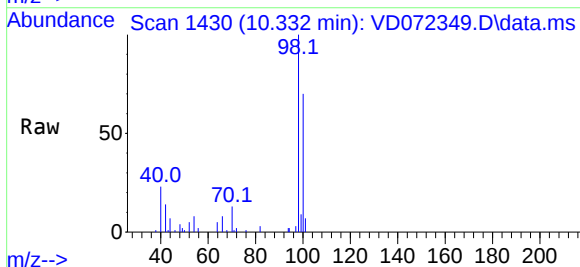
Acq: 21 Mar 2022 19:26

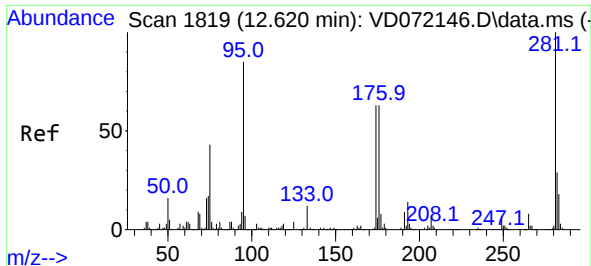
Tgt Ion: 98 Resp: 29385

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



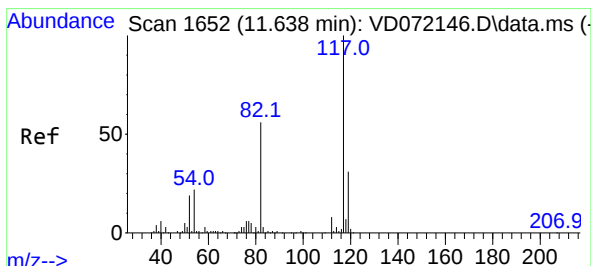
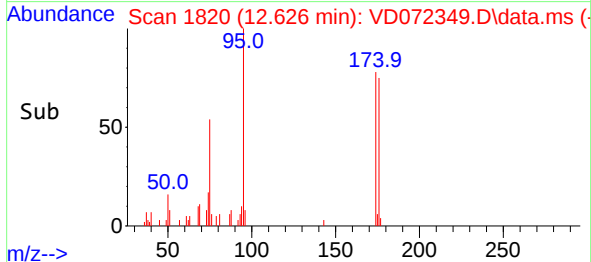
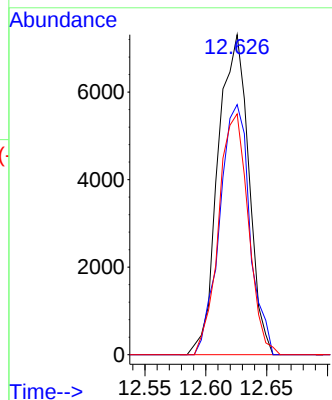
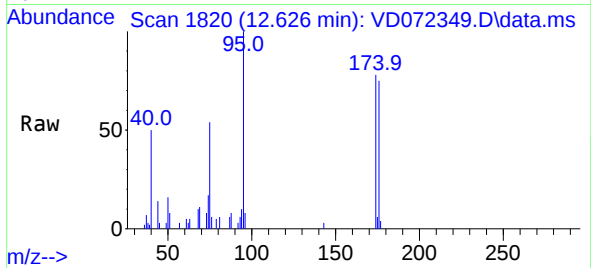


#62
4-Bromofluorobenzene
Concen: 53.631 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

Instrument :
MSVOA_D
ClientSampleId :
VNJ-237

Tgt Ion: 95 Resp: 12789

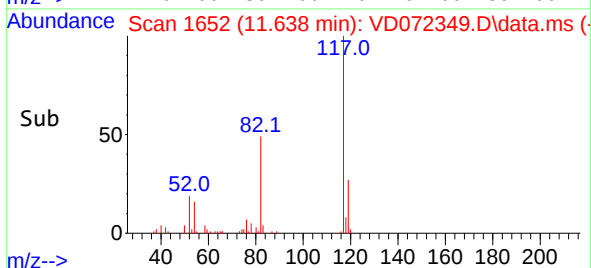
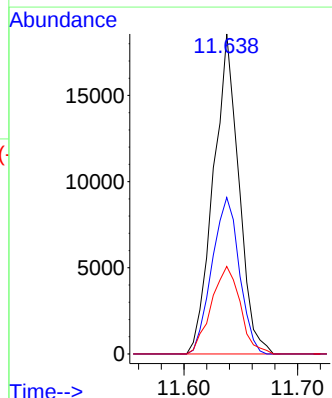
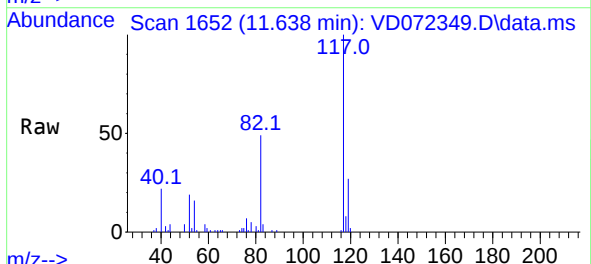
Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	152.8
176	72.8	0.0	145.4

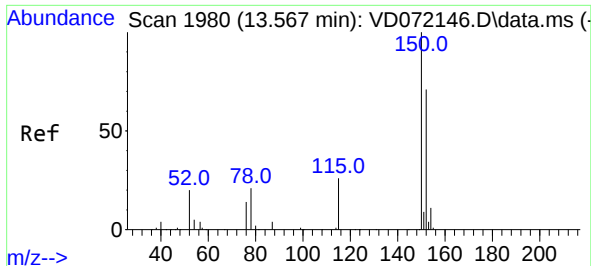


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

Tgt Ion: 117 Resp: 28910

Ion	Ratio	Lower	Upper
117	100		
82	48.9	45.3	67.9
119	27.4	26.6	40.0

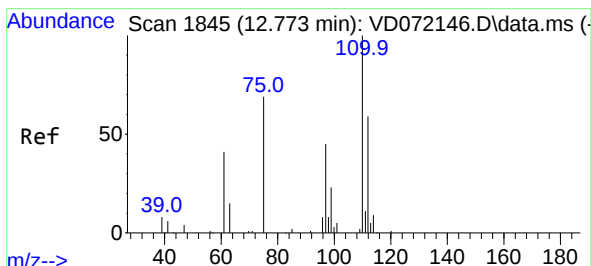
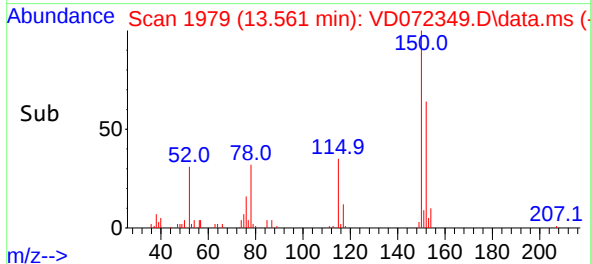
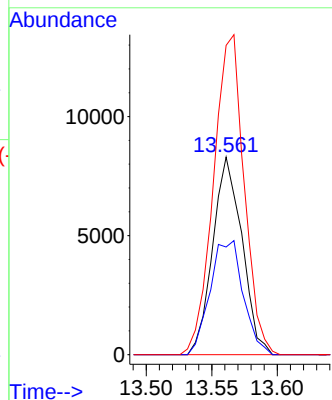
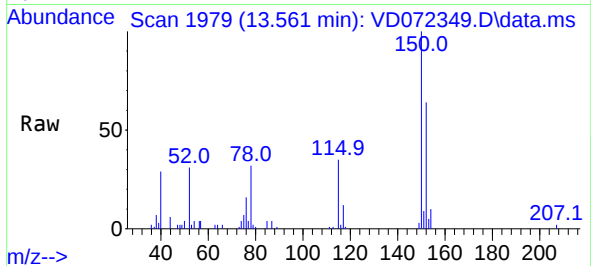




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

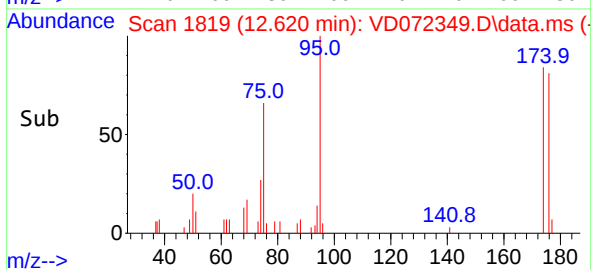
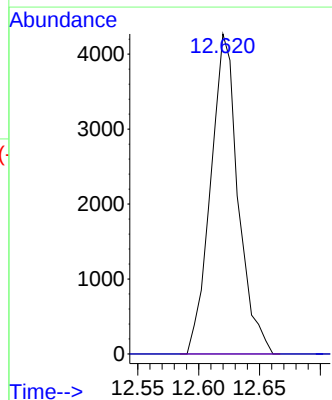
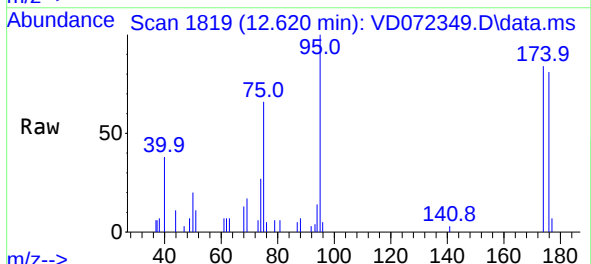
Instrument :
MSVOA_D
ClientSampleId :
VNJ-237

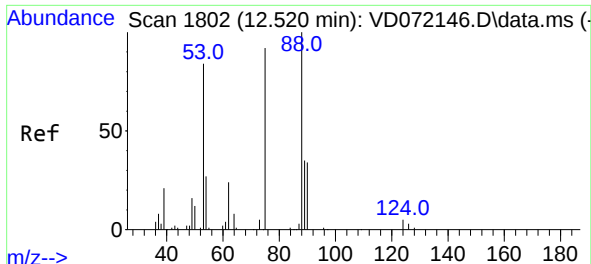
Tgt Ion:152 Resp: 12887
Ion Ratio Lower Upper
152 100
115 65.4 31.3 93.8
150 169.5 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 47.308 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

Tgt Ion: 75 Resp: 6725
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

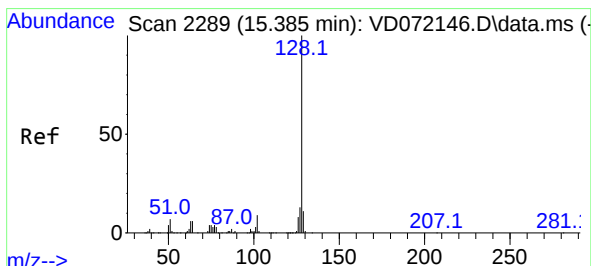
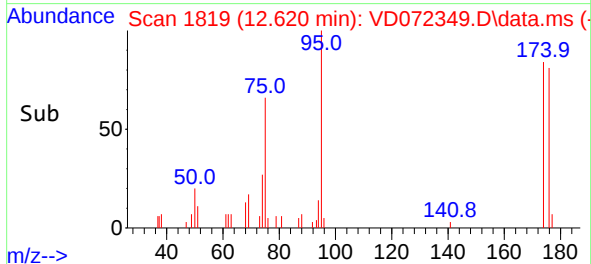
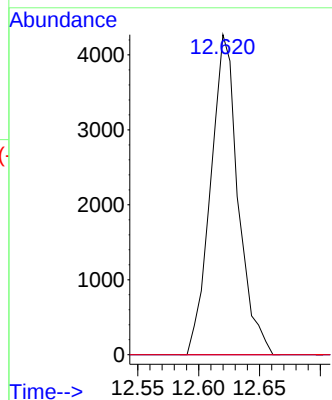
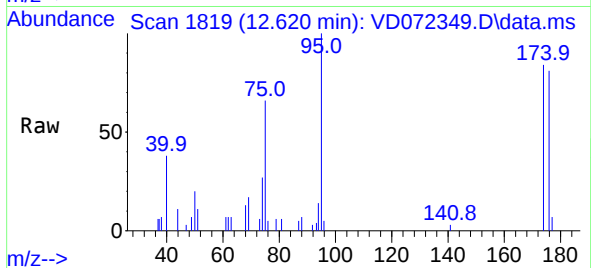




#81
trans-1,4-Dichloro-2-butene
Concen: 117.375 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

Instrument :
MSVOA_D
ClientSampleId :
VNJ-237

Tgt Ion: 75 Resp: 6725
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 1.467 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD072349.D
Acq: 21 Mar 2022 19:26

Tgt Ion: 128 Resp: 703
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

