

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020122\
 Data File : VX026706.D
 Acq On : 01 Feb 2022 14:57
 Operator : JC/MD
 Sample : N1217-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-242

Quant Time: Feb 02 04:35:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

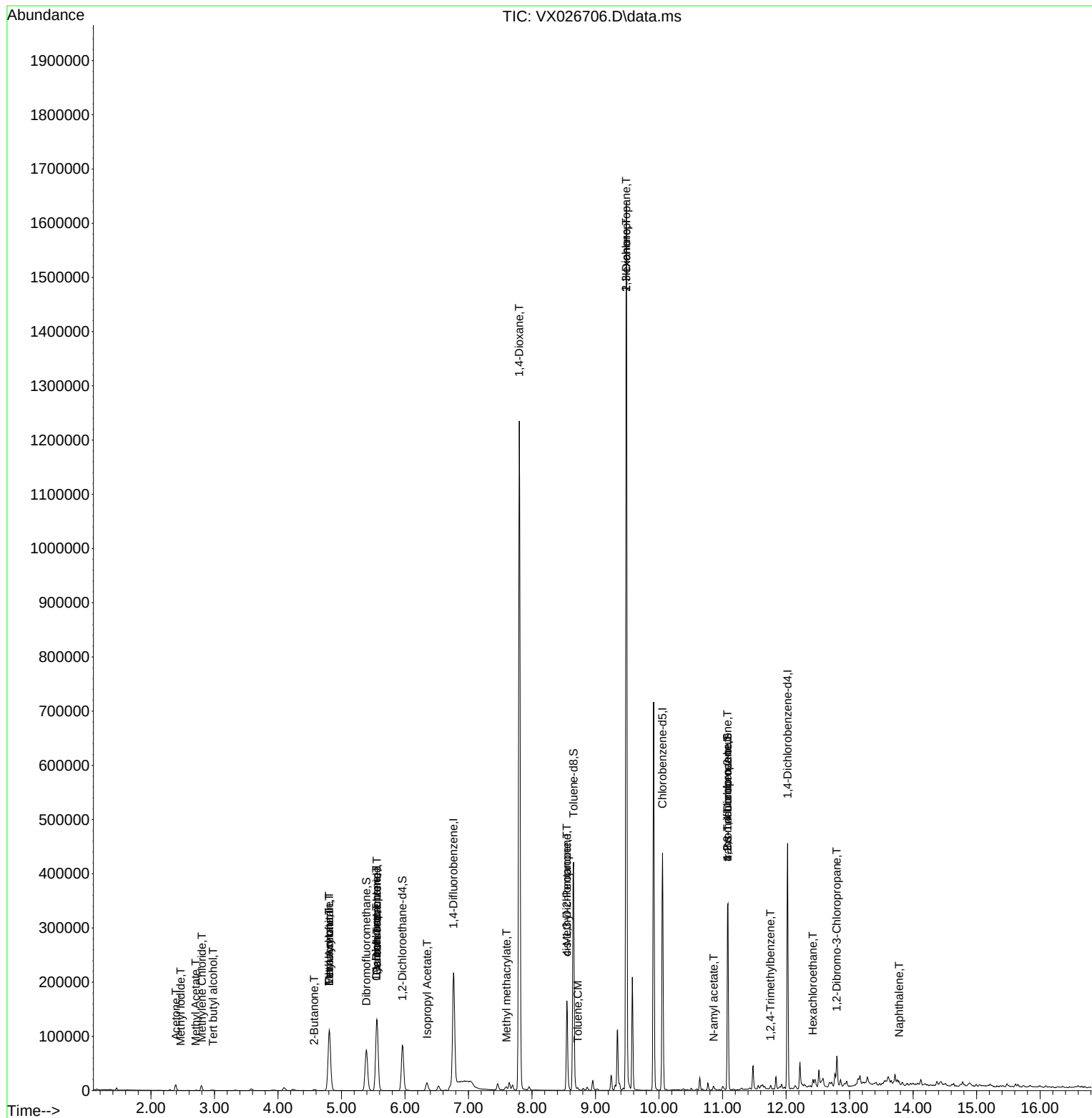
Internal Standards						
1) Pentafluorobenzene	5.555	168	125466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	212381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79340	45.268	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.540%		
35) Dibromofluoromethane	5.391	113	66136	48.222	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.440%		
50) Toluene-d8	8.652	98	251728	50.934	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.860%		
62) 4-Bromofluorobenzene	11.079	95	96290	54.845	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.680%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	172	4.551	ug/l #	37
11) Tert butyl alcohol	2.977	59	1645	6.747	ug/l #	78
16) Acetone	2.391	43	12454	13.934	ug/l	91
18) Methyl Acetate	2.702	43	1345	0.757	ug/l	92
20) Methylene Chloride	2.800	84	3894	2.637	ug/l	88
25) 2-Butanone	4.568	43	3573	3.074	ug/l	97
29) Tetrahydrofuran	4.806	42	15567	22.550	ug/l #	34
31) Cyclohexane	5.549	56	2511	0.971	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	9232	4.264	ug/l #	51
37) Ethyl Acetate	4.806	43	124397	56.798	ug/l #	69
38) Carbon Tetrachloride	5.555	117	12949	5.814	ug/l #	17
41) Methacrylonitrile	4.806	41	65646	52.912	ug/l #	45
43) Isopropyl Acetate	6.348	43	19350	5.469	ug/l	100
48) Methyl methacrylate	7.598	41	7242	4.131	ug/l #	16
49) 1,4-Dioxane	7.799	88	209	7.264	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	57212	27.264	ug/l #	51
52) Toluene	8.720	92	1048	0.286	ug/l	90
54) cis-1,3-Dichloropropene	8.549	75	26429	11.565	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	14425	5.810	ug/l #	43
59) 2-Hexanone	9.482	43	202159	125.871	ug/l #	52
74) N-amyl acetate	10.859	43	1364	0.469	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	47892	23.668	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	47892	72.207	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	1428	0.230	ug/l #	55
90) Hexachloroethane	12.420	117	44	2.217	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	12.798	75	545	1.115	ug/l #	3
95) Naphthalene	13.780	128	2460	0.376	ug/l #	90

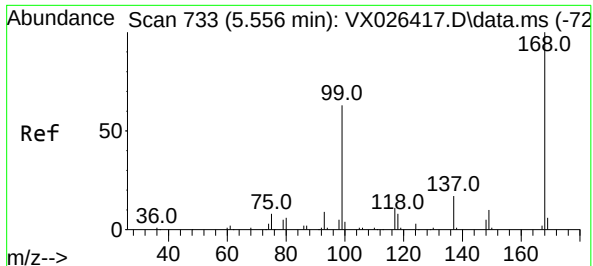
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 02 04:35:47 2022
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Quant Title : SW846 8260
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Response via : Initial Calibration

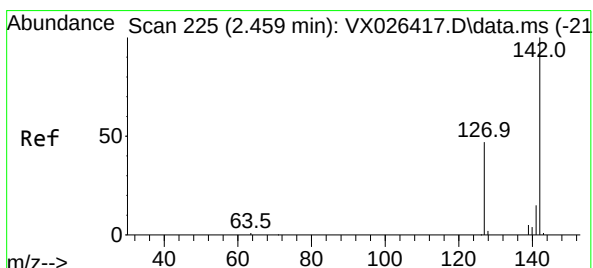
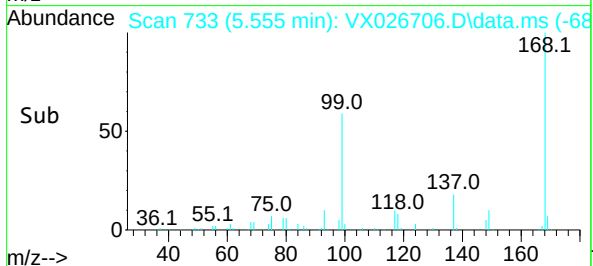
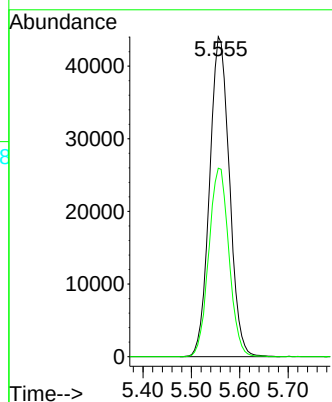
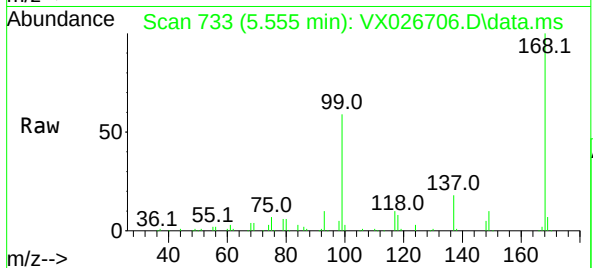




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

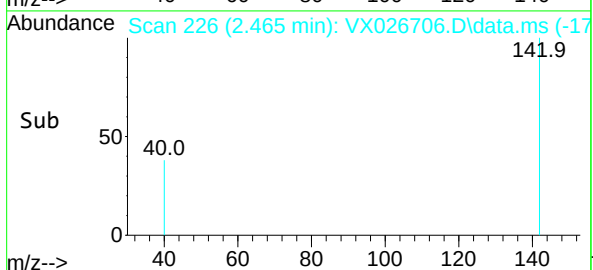
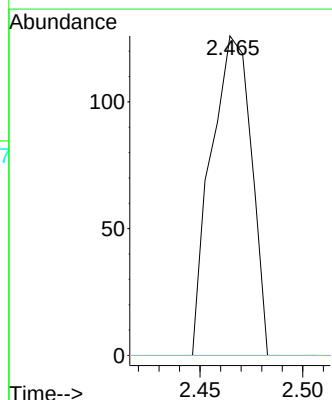
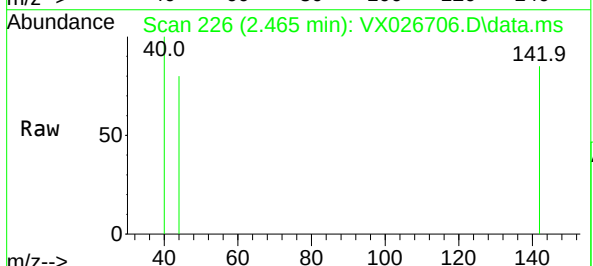
Instrument :
MSVOA_X
ClientSampleId :
VNJ-242

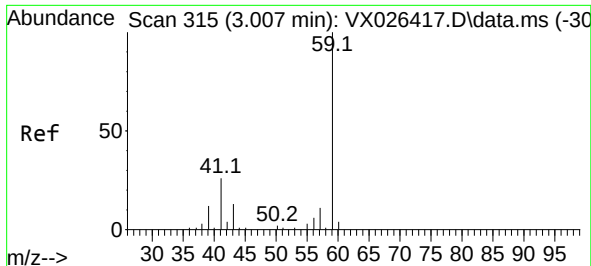
Tgt Ion:168 Resp: 125466
Ion Ratio Lower Upper
168 100
99 58.9 50.3 75.5



#10
Methyl Iodide
Concen: 4.551 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

Tgt Ion:142 Resp: 172
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 0.0 11.2 16.8#

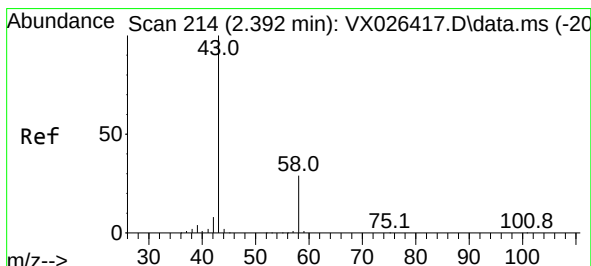
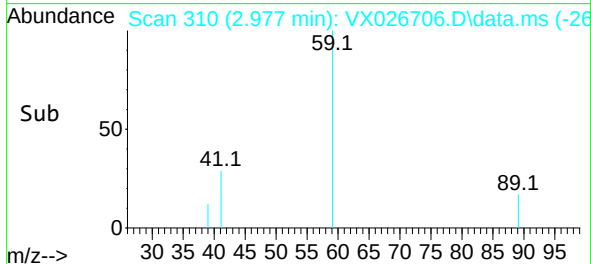
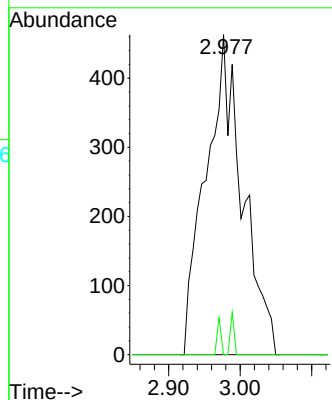
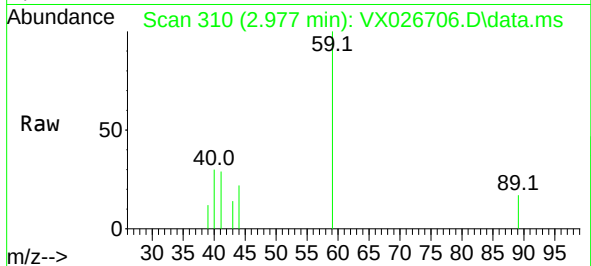




#11
Tert butyl alcohol
Concen: 6.747 ug/l
RT: 2.977 min Scan# 315
Delta R.T. -0.030 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

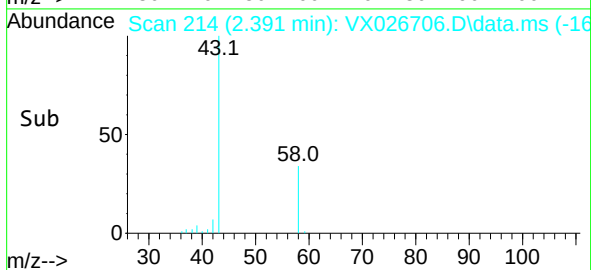
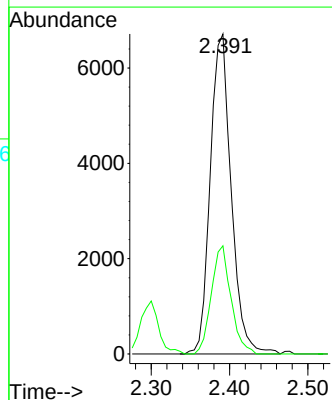
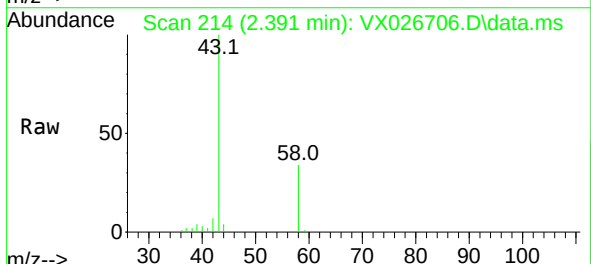
Instrument :
MSVOA_X
ClientSampleId :
VNJ-242

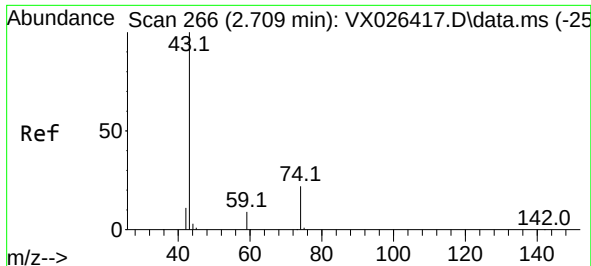
Tgt Ion: 59 Resp: 1645
Ion Ratio Lower Upper
59 100
57 1.2 7.2 10.8#



#16
Acetone
Concen: 13.934 ug/l
RT: 2.391 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

Tgt Ion: 43 Resp: 12454
Ion Ratio Lower Upper
43 100
58 33.8 23.0 34.6

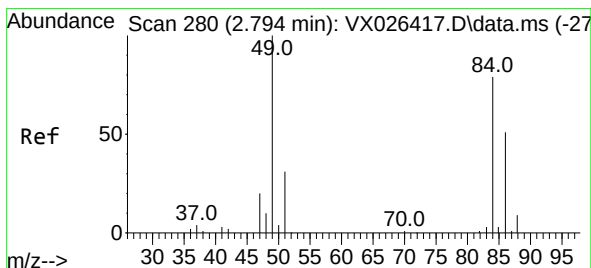
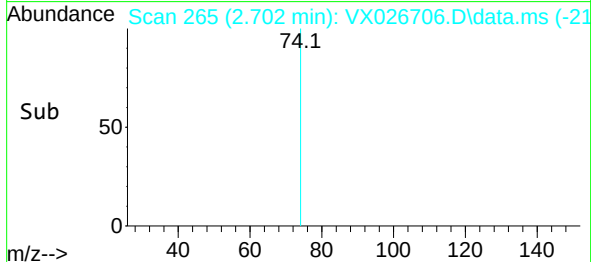
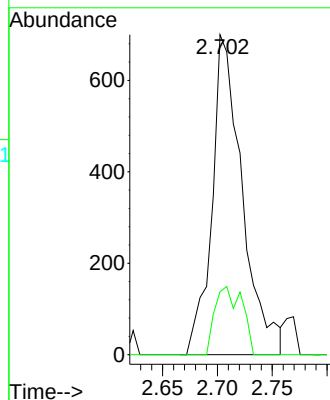
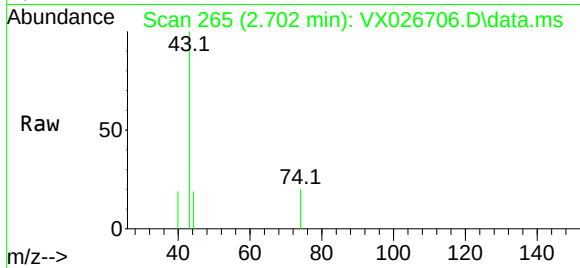




#18
Methyl Acetate
Concen: 0.757 ug/l
RT: 2.702 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

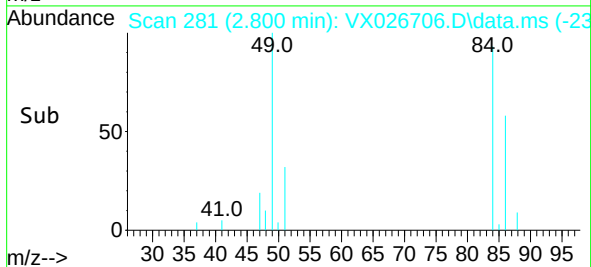
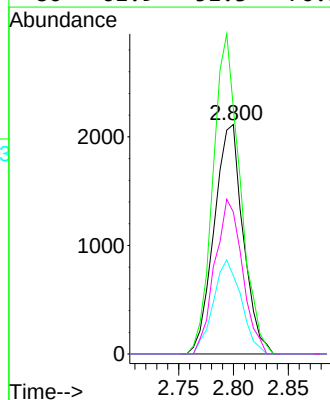
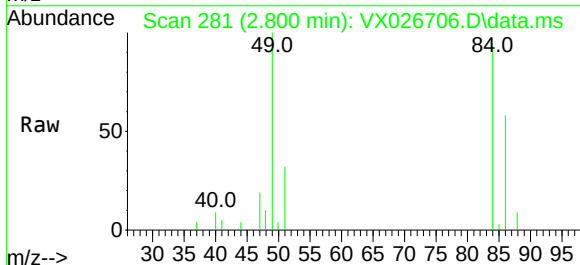
Instrument :
MSVOA_X
ClientSampleId :
VNJ-242

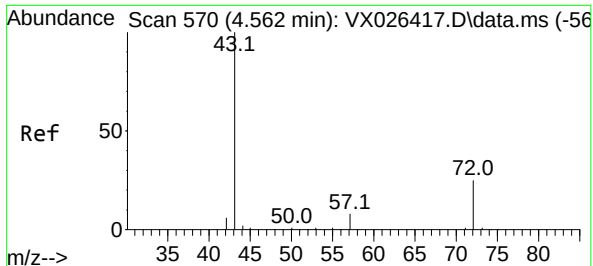
Tgt Ion: 43 Resp: 1345
Ion Ratio Lower Upper
43 100
74 19.0 18.3 27.5



#20
Methylene Chloride
Concen: 2.637 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

Tgt Ion: 84 Resp: 3894
Ion Ratio Lower Upper
84 100
49 107.3 101.5 152.3
51 34.1 31.2 46.8
86 61.9 51.3 76.9





#25

2-Butanone

Concen: 3.074 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX026706.D

Acq: 01 Feb 2022 14:57

Instrument :

MSVOA_X

ClientSampleId :

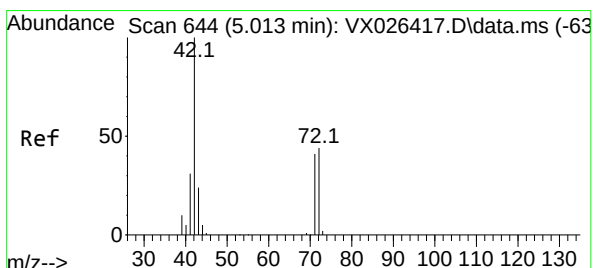
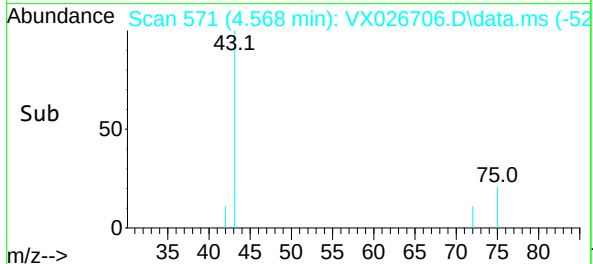
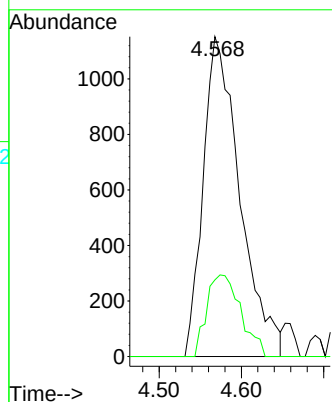
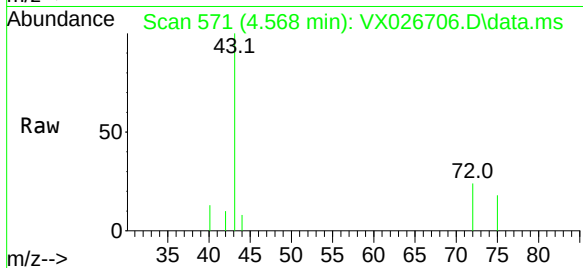
VNJ-242

Tgt Ion: 43 Resp: 3573

Ion Ratio Lower Upper

43 100

72 24.0 20.4 30.6



#29

Tetrahydrofuran

Concen: 22.550 ug/l

RT: 4.806 min Scan# 610

Delta R.T. -0.208 min

Lab File: VX026706.D

Acq: 01 Feb 2022 14:57

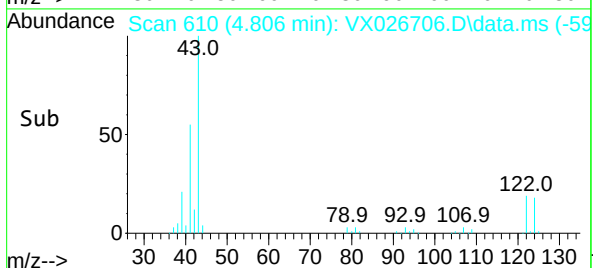
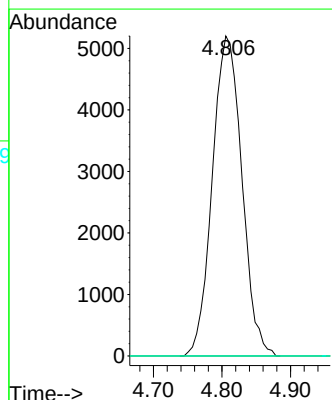
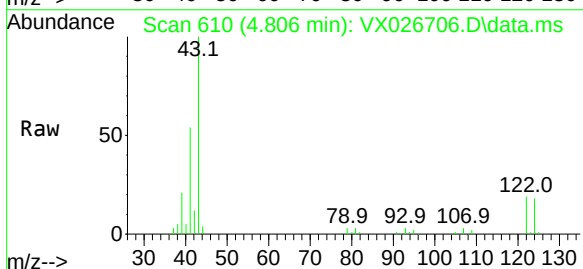
Tgt Ion: 42 Resp: 15567

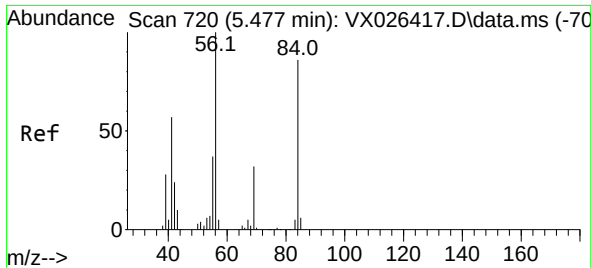
Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 0.0 31.8 47.8#

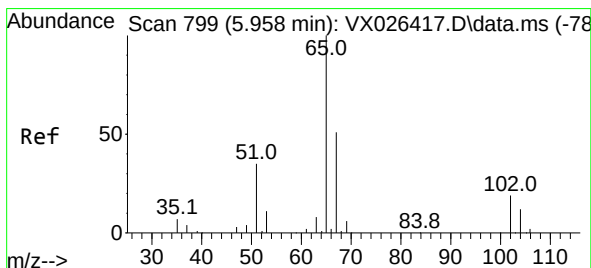
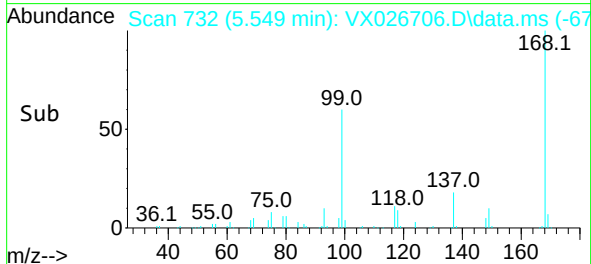
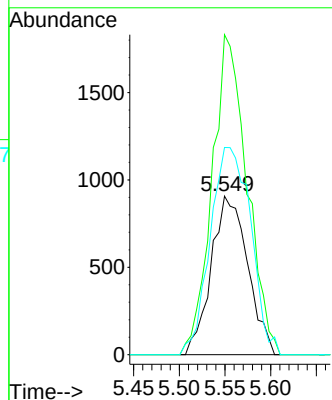
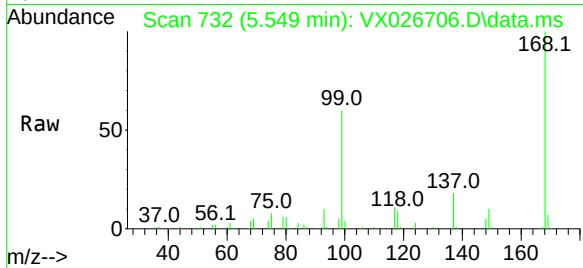




#31
Cyclohexane
Concen: 0.971 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

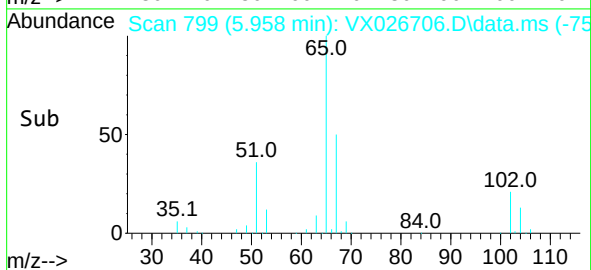
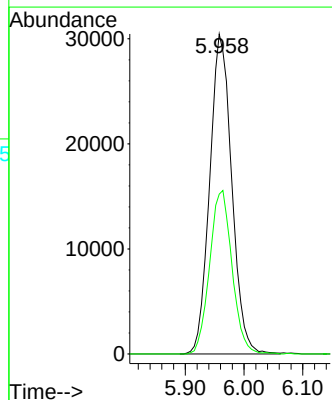
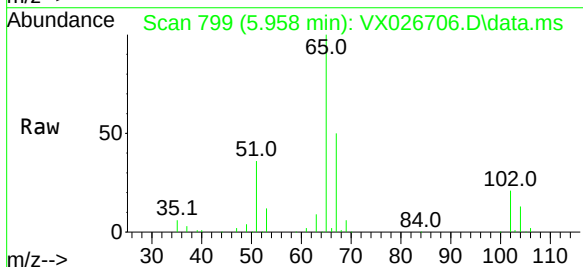
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ClientSampleId :
VNJ-242

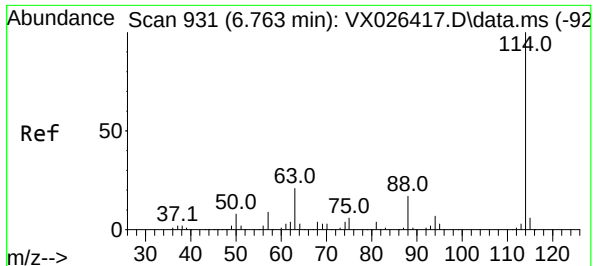
Tgt Ion: 56 Resp: 2511
Ion Ratio Lower Upper
56 100
69 201.9 25.8 38.6#
84 130.8 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 45.268 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

Tgt Ion: 65 Resp: 79340
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.8

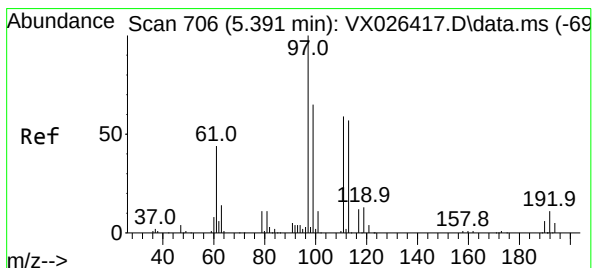
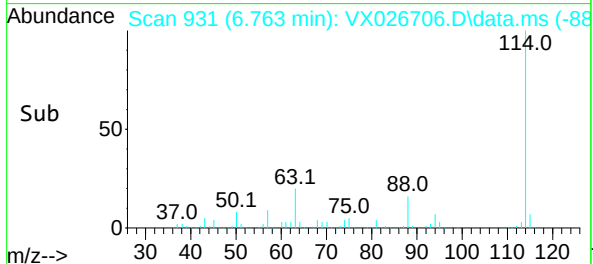
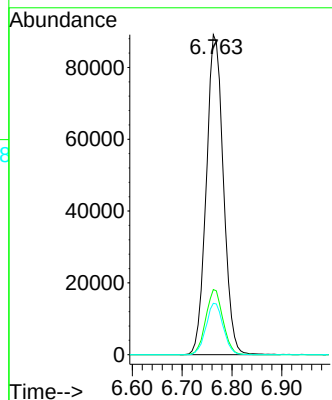
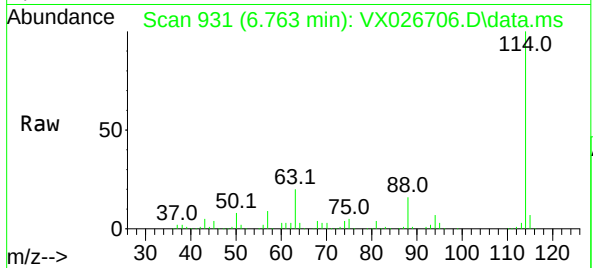




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

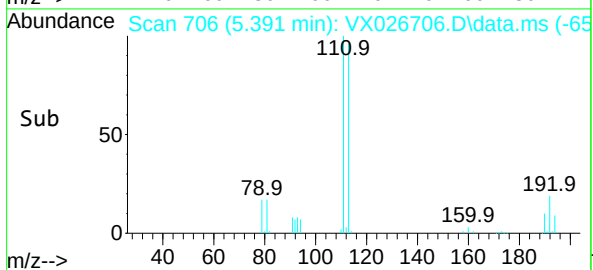
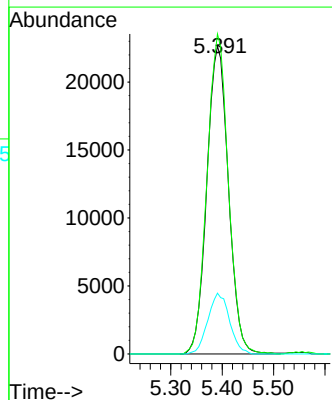
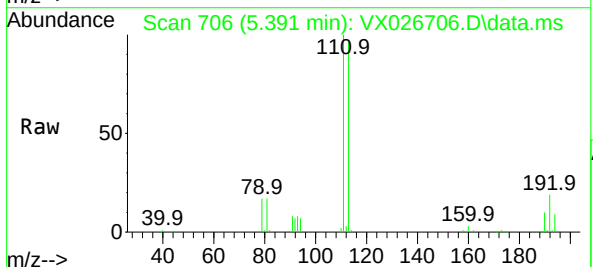
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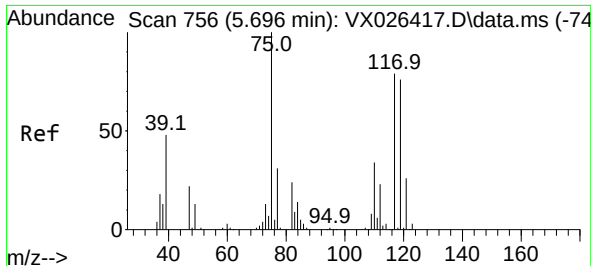
Tgt Ion:114 Resp: 212381
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.8
88 16.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.222 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

Tgt Ion:113 Resp: 66136
Ion Ratio Lower Upper
113 100
111 102.5 81.2 121.8
192 19.8 15.0 22.4

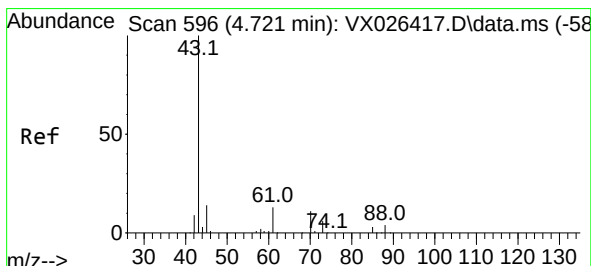
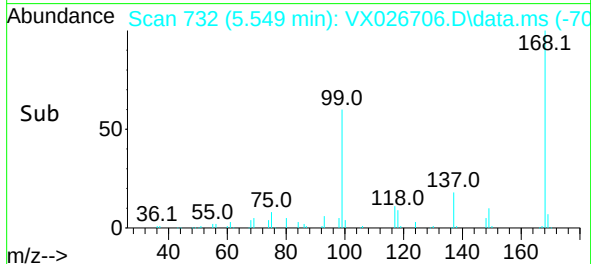
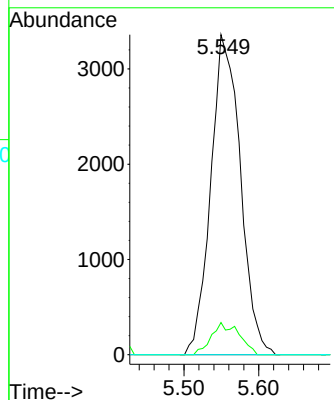
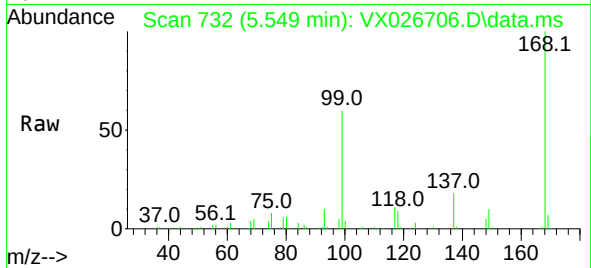




#36
1,1-Dichloropropene
Concen: 4.264 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

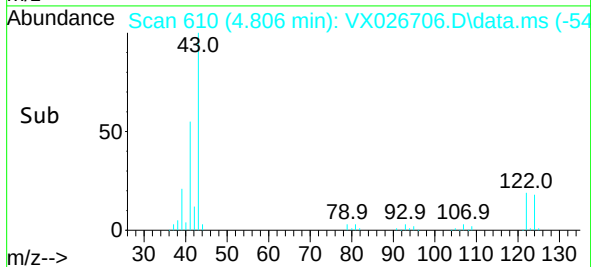
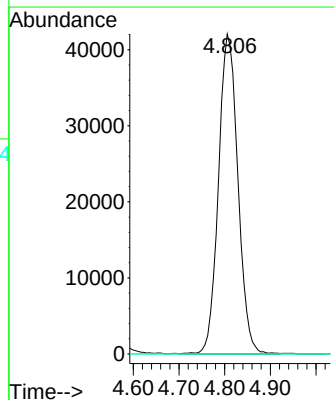
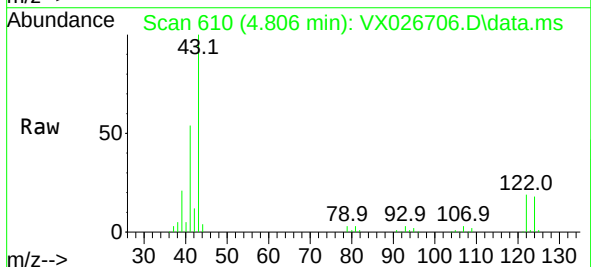
Instrument :
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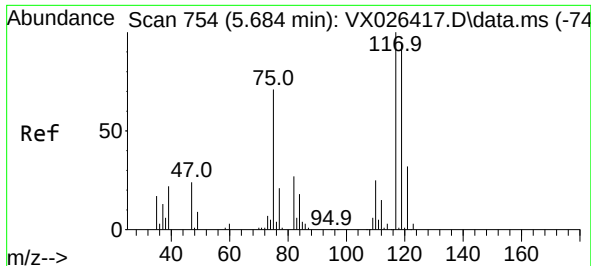
Tgt Ion: 75 Resp: 9232
Ion Ratio Lower Upper
75 100
110 9.4 17.2 51.6#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 56.798 ug/l
RT: 4.806 min Scan# 610
Delta R.T. 0.085 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

Tgt Ion: 43 Resp: 124397
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.5 12.7#





#38

Carbon Tetrachloride

Concen: 5.814 ug/l

RT: 5.555 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX026706.D

Acq: 01 Feb 2022 14:57

Instrument :

MSVOA_X

ClientSampleId :

VNJ-242

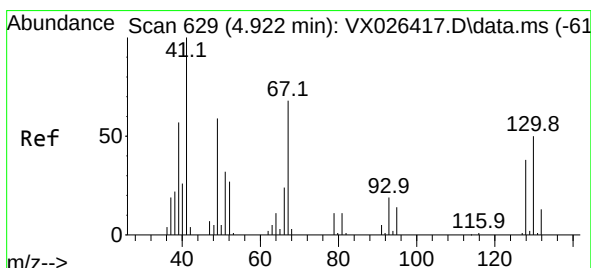
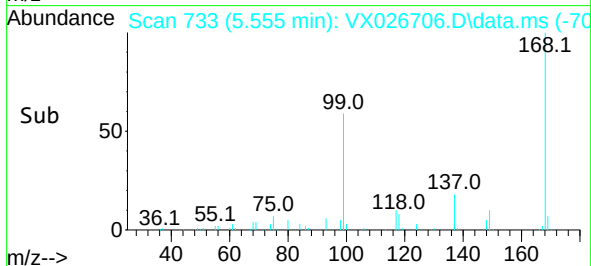
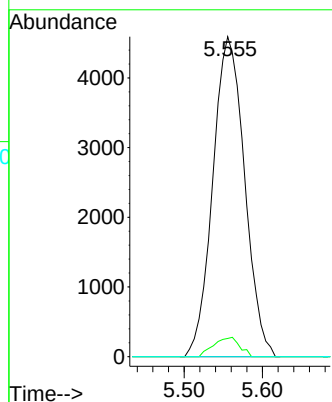
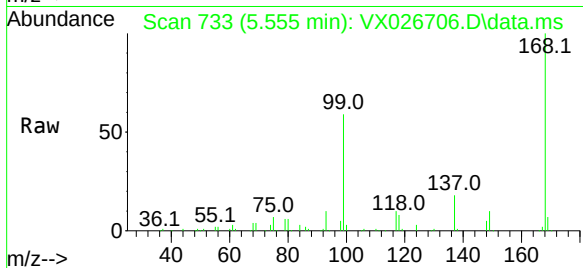
Tgt Ion:117 Resp: 12949

Ion Ratio Lower Upper

117 100

119 5.7 74.7 112.1#

121 0.0 25.4 38.0#



#41

Methacrylonitrile

Concen: 52.912 ug/l

RT: 4.806 min Scan# 610

Delta R.T. -0.116 min

Lab File: VX026706.D

Acq: 01 Feb 2022 14:57

Tgt Ion: 41 Resp: 65646

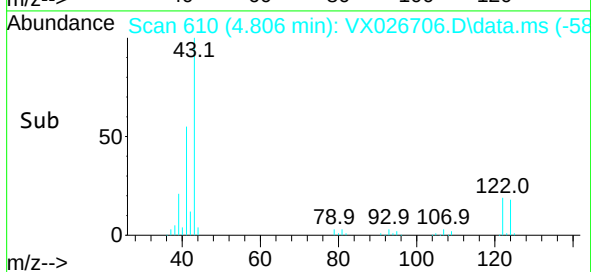
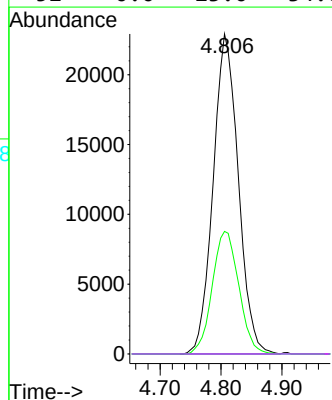
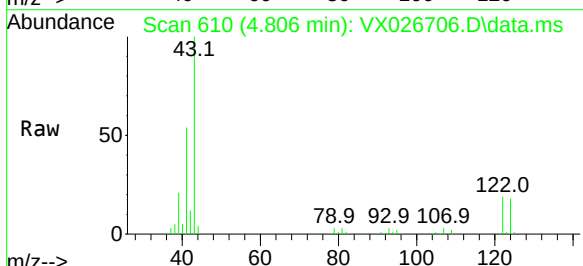
Ion Ratio Lower Upper

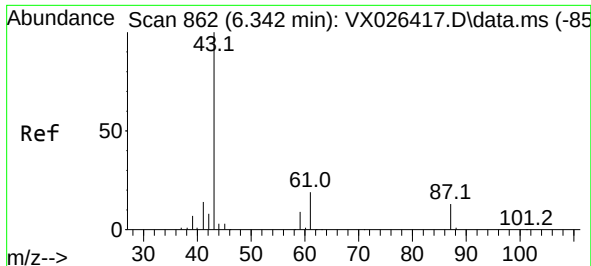
41 100

39 40.4 45.4 68.0#

67 0.0 53.2 79.8#

52 0.0 23.0 34.6#

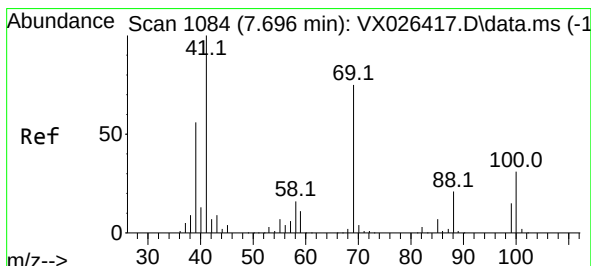
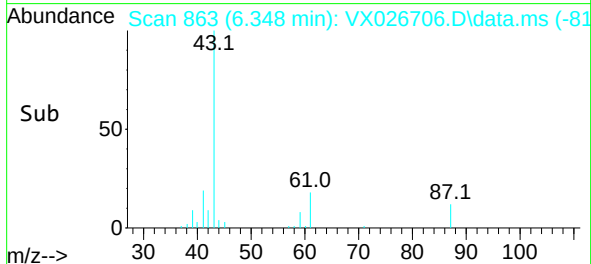
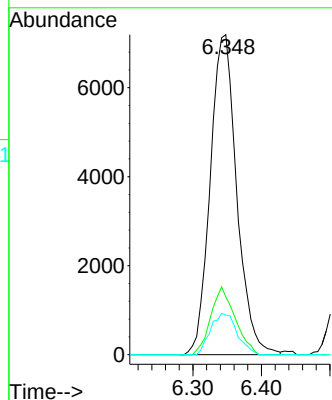
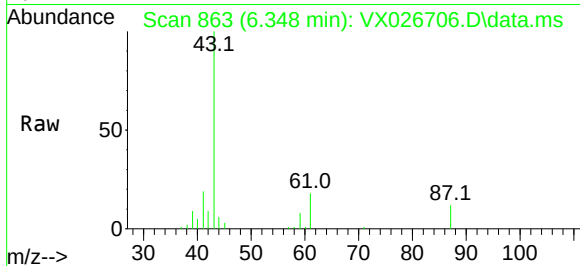




#43
Isopropyl Acetate
Concen: 5.469 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

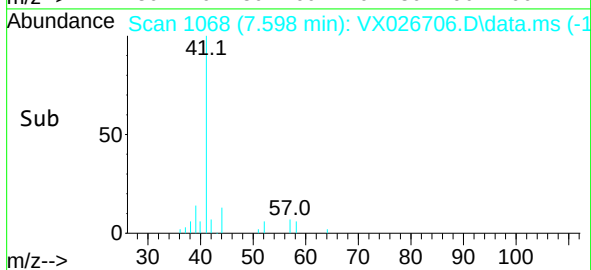
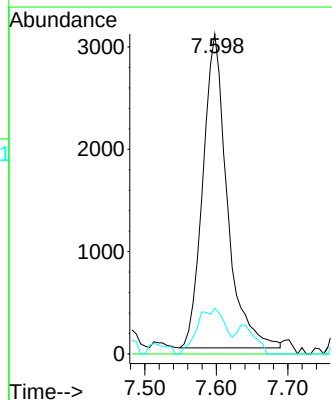
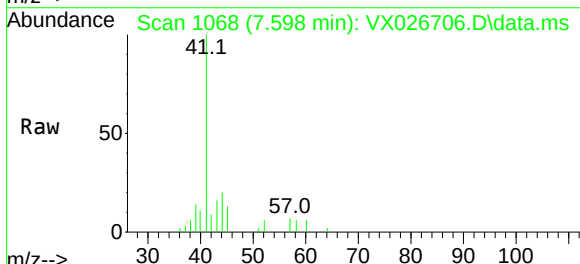
Instrument :
MSVOA_X
ClientSampleId :
VNJ-242

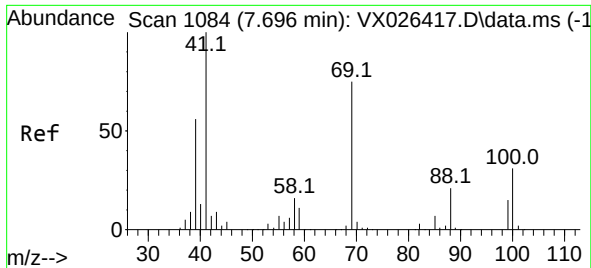
Tgt Ion: 43 Resp: 19350
Ion Ratio Lower Upper
43 100
61 19.4 15.4 23.0
87 12.9 10.2 15.2



#48
Methyl methacrylate
Concen: 4.131 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

Tgt Ion: 41 Resp: 7242
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 0.0 45.4 68.0#





#49

1,4-Dioxane

Concen: 7.264 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX026706.D

Acq: 01 Feb 2022 14:57

Instrument :

MSVOA_X

ClientSampleId :

VNJ-242

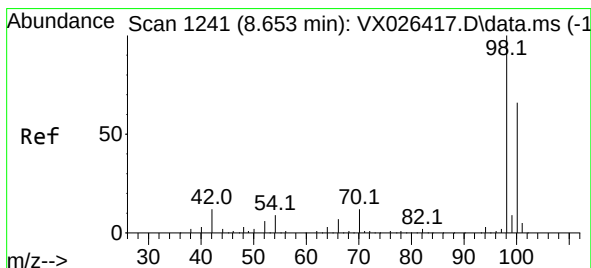
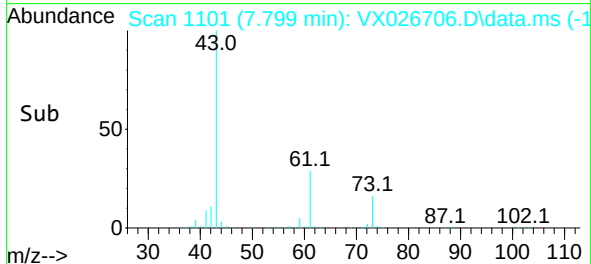
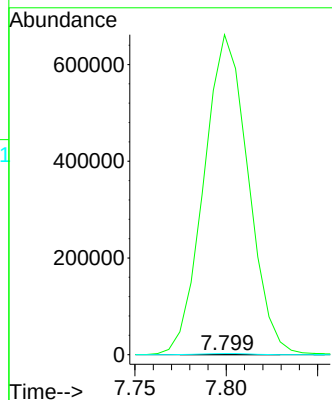
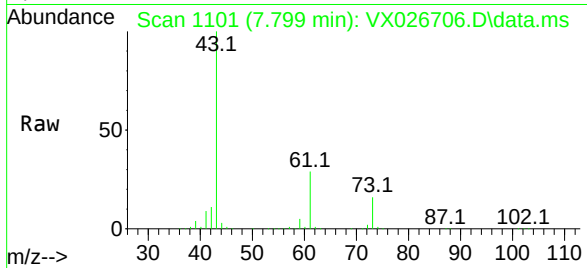
Tgt Ion: 88 Resp: 209

Ion Ratio Lower Upper

88 100

43 536967.9 29.9 44.9#

58 2024.9 57.8 86.6#



#50

Toluene-d8

Concen: 50.934 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026706.D

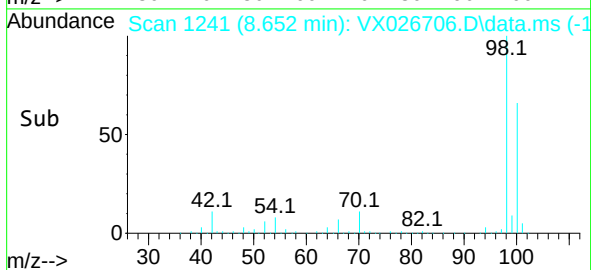
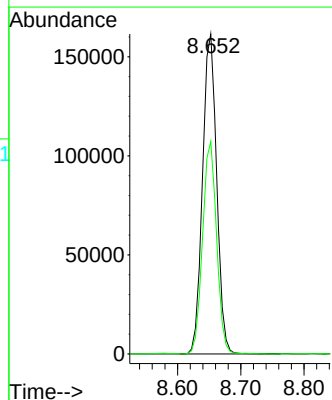
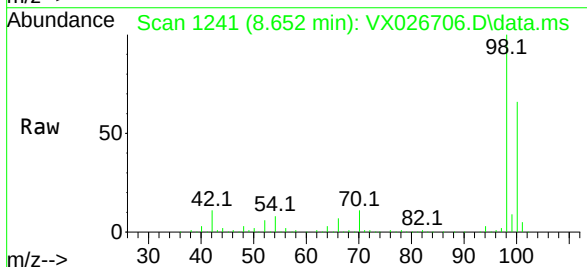
Acq: 01 Feb 2022 14:57

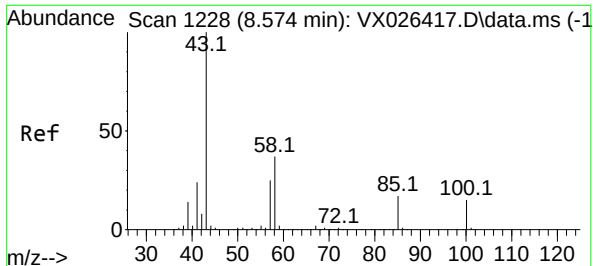
Tgt Ion: 98 Resp: 251728

Ion Ratio Lower Upper

98 100

100 65.9 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 27.264 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX026706.D

Acq: 01 Feb 2022 14:57

Instrument :

MSVOA_X

ClientSampleId :

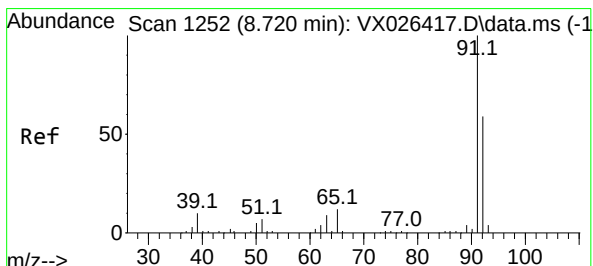
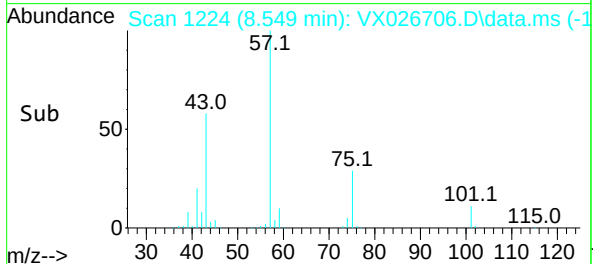
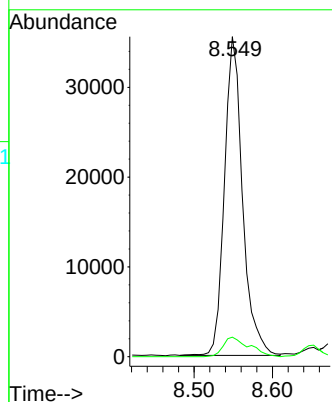
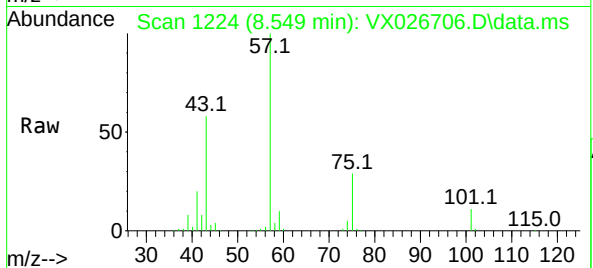
VNJ-242

Tgt Ion: 43 Resp: 57212

Ion Ratio Lower Upper

43 100

58 8.8 30.5 45.7#



#52

Toluene

Concen: 0.286 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX026706.D

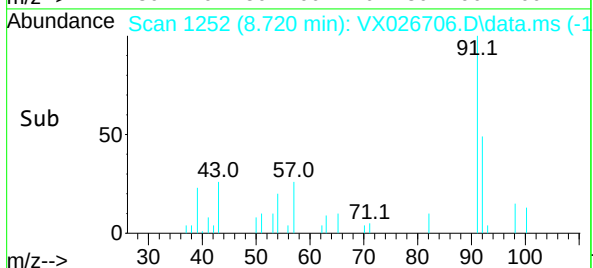
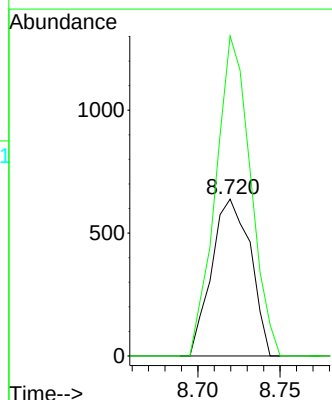
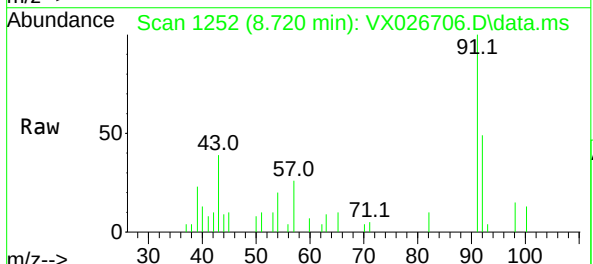
Acq: 01 Feb 2022 14:57

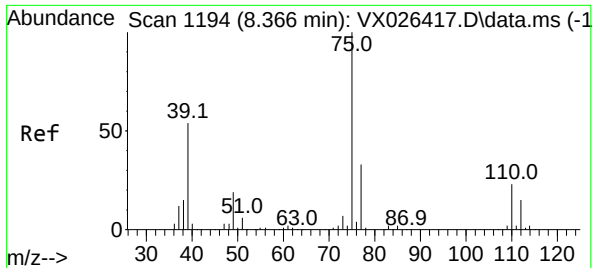
Tgt Ion: 92 Resp: 1048

Ion Ratio Lower Upper

92 100

91 183.2 135.7 203.5

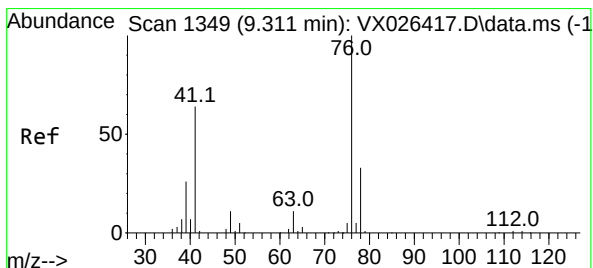
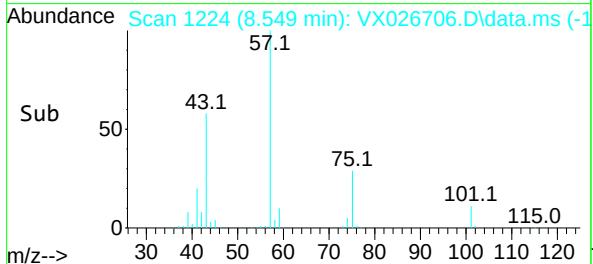
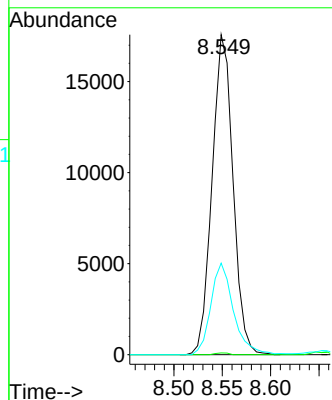
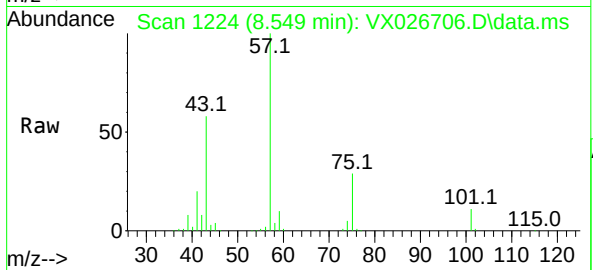




#54
 cis-1,3-Dichloropropene
 Concen: 11.565 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026706.D
 Acq: 01 Feb 2022 14:57

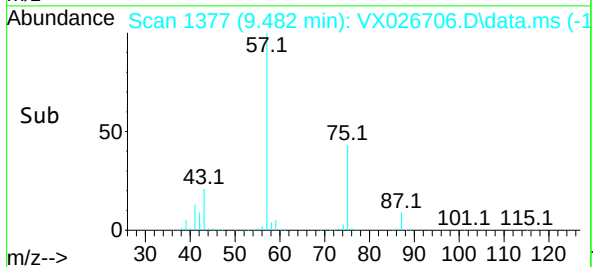
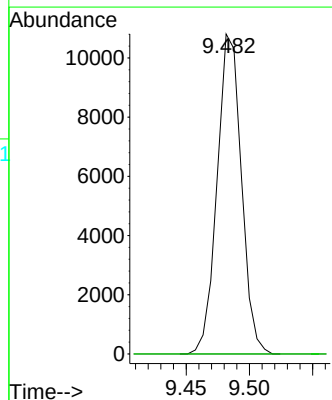
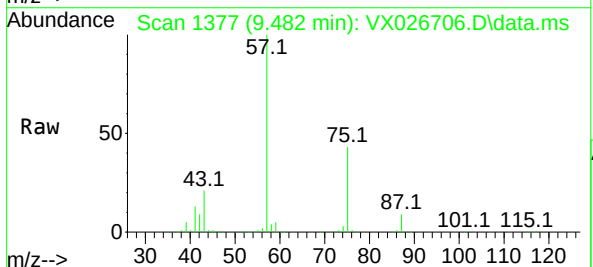
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-242

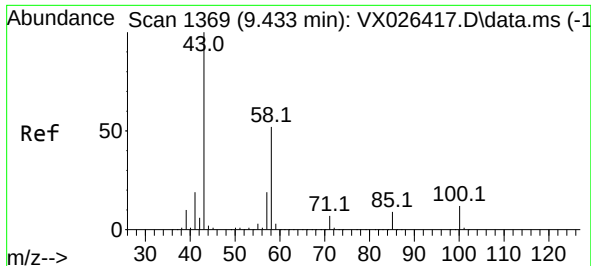
Tgt Ion: 75 Resp: 26429
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.2 39.2#
 39 28.6 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 5.810 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.170 min
 Lab File: VX026706.D
 Acq: 01 Feb 2022 14:57

Tgt Ion: 76 Resp: 14425
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

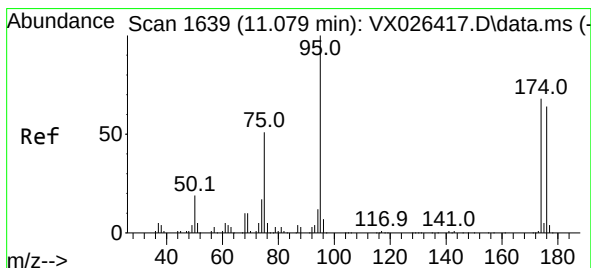
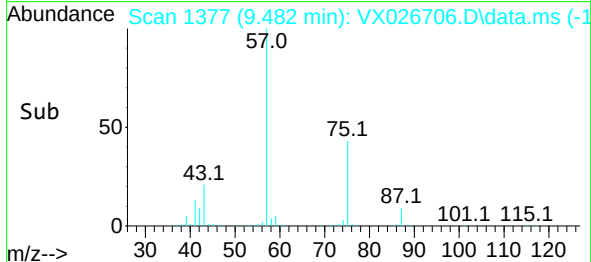
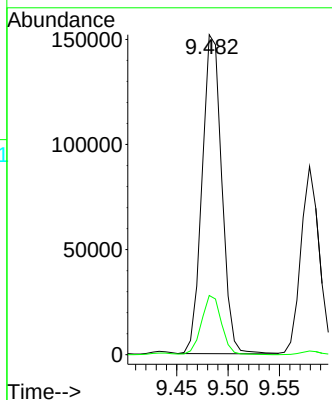
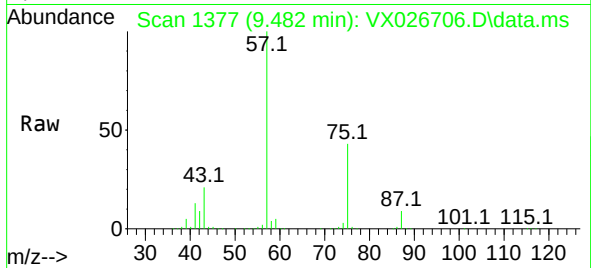




#59
2-Hexanone
Concen: 125.871 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.048 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

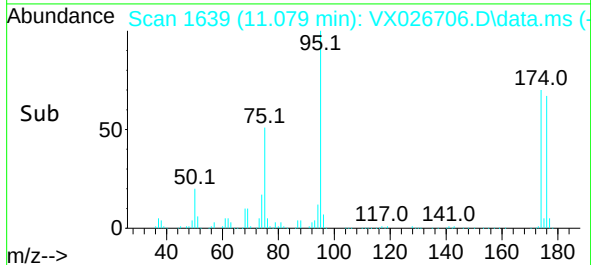
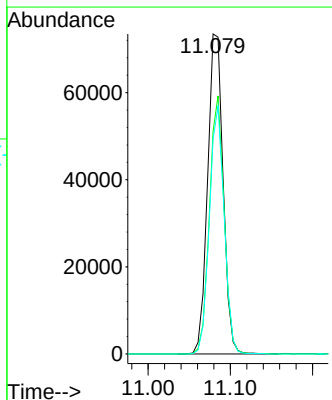
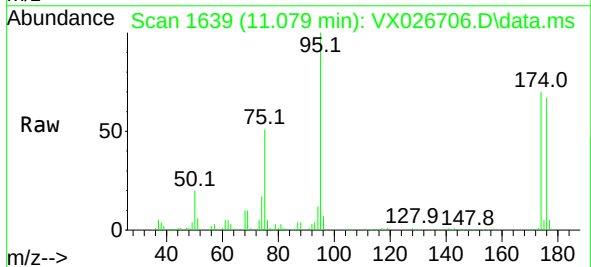
Instrument :
MSVOA_X
ClientSampleId :
VNJ-242

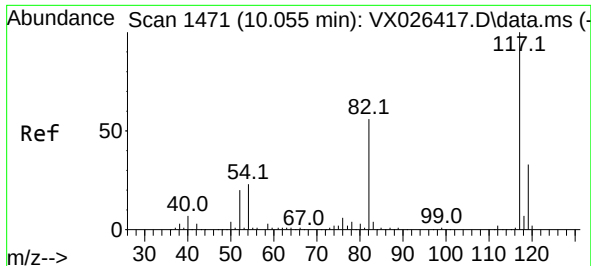
Tgt Ion: 43 Resp: 202159
Ion Ratio Lower Upper
43 100
58 18.8 26.4 79.2#



#62
4-Bromofluorobenzene
Concen: 54.845 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

Tgt Ion: 95 Resp: 96290
Ion Ratio Lower Upper
95 100
174 76.3 0.0 148.6
176 73.6 0.0 141.4

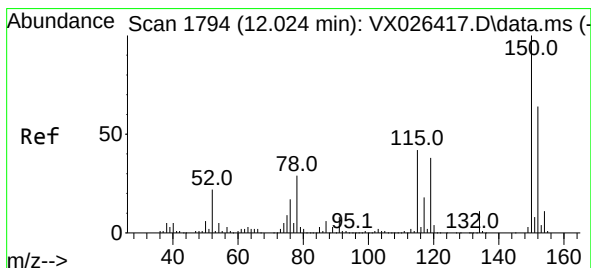
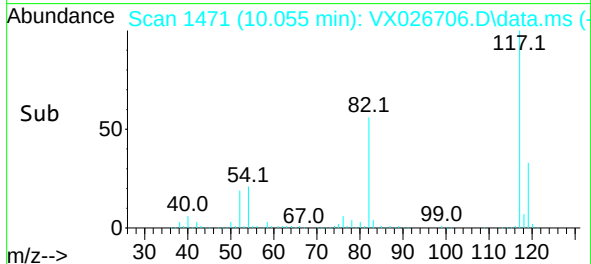
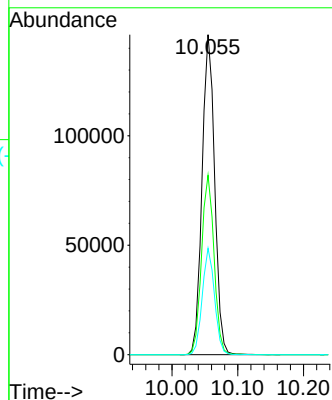
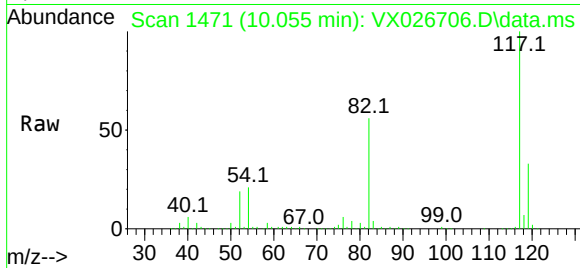




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

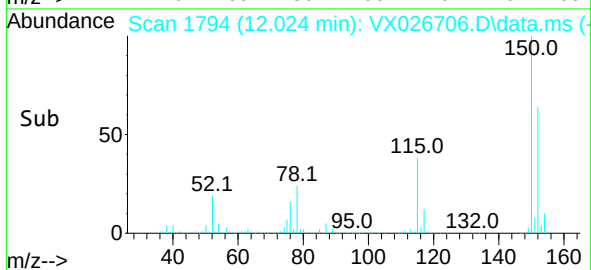
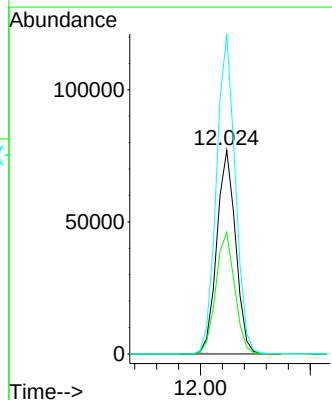
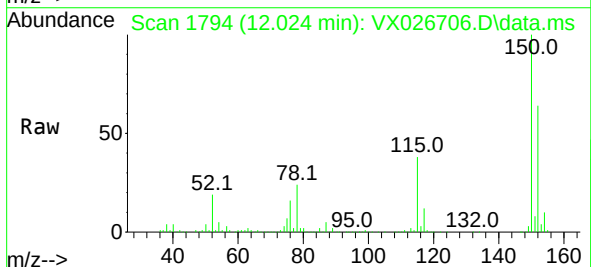
Instrument :
MSVOA_X
ClientSampleId :
VNJ-242

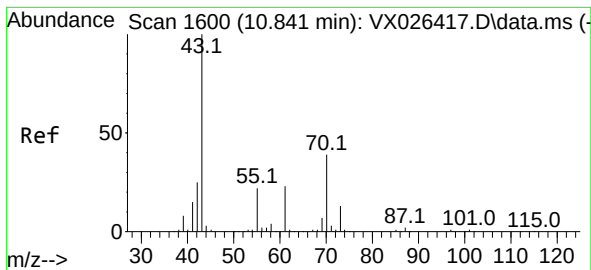
Tgt Ion:117 Resp: 194283
Ion Ratio Lower Upper
117 100
82 56.1 45.2 67.8
119 33.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

Tgt Ion:152 Resp: 91902
Ion Ratio Lower Upper
152 100
115 60.3 44.2 132.6
150 157.5 0.0 348.2





#74

N-amy1 acetate

Concen: 0.469 ug/l

RT: 10.859 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX026706.D

Acq: 01 Feb 2022 14:57

Instrument :

MSVOA_X

ClientSampleId :

VNJ-242

Tgt Ion: 43 Resp: 1364

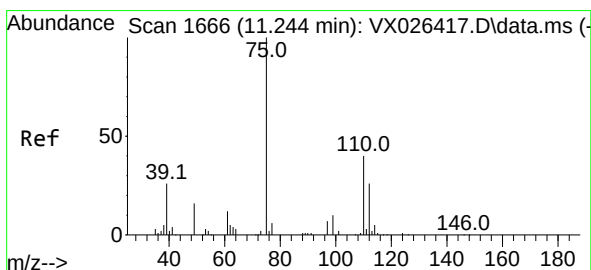
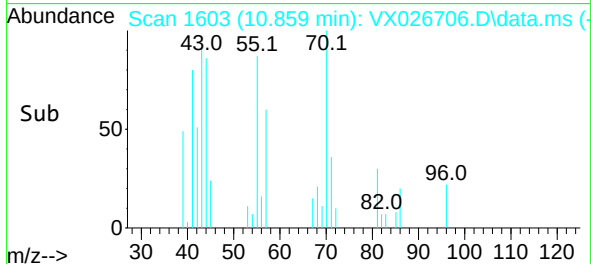
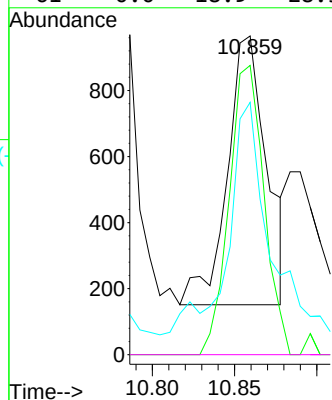
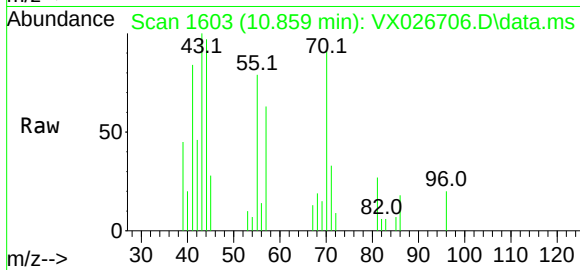
Ion Ratio Lower Upper

43 100

70 94.9 32.9 49.3#

55 115.8 18.3 27.5#

61 0.0 18.9 28.3#



#76

1,2,3-Trichloropropane

Concen: 23.668 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX026706.D

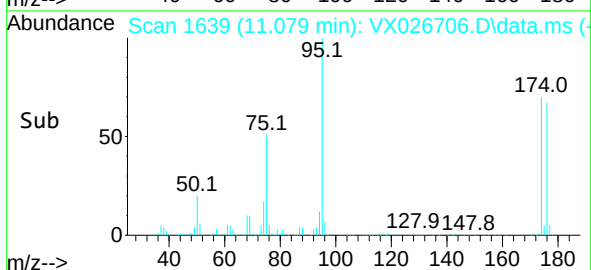
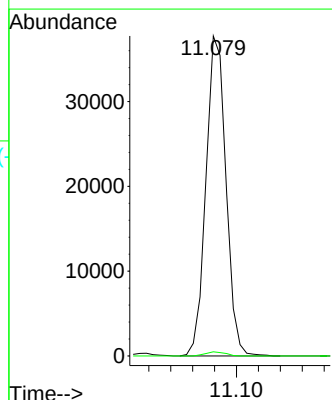
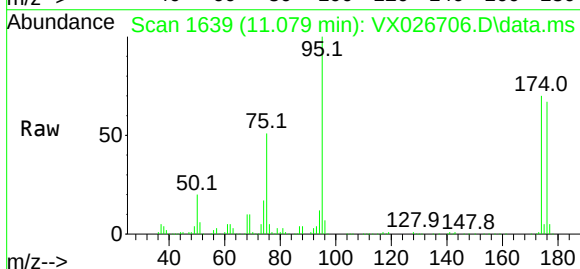
Acq: 01 Feb 2022 14:57

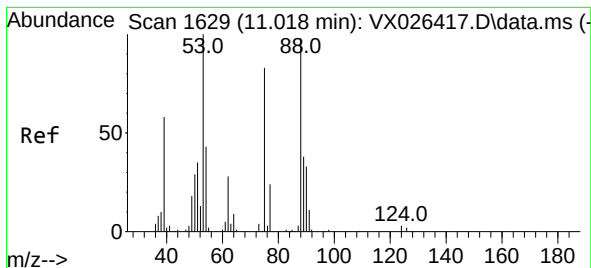
Tgt Ion: 75 Resp: 47892

Ion Ratio Lower Upper

75 100

77 1.3 18.3 54.8#

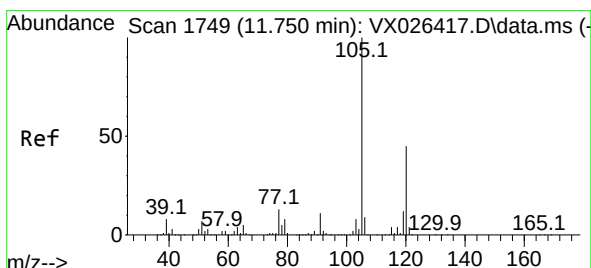
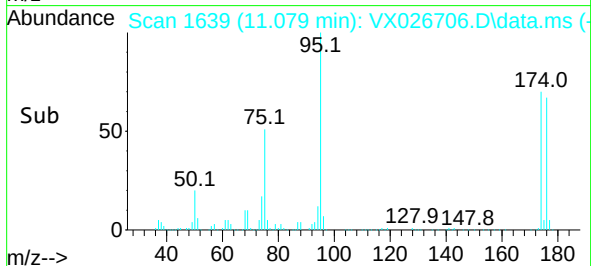
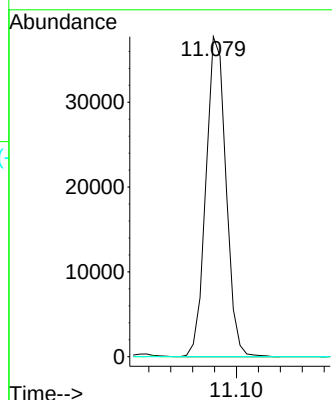
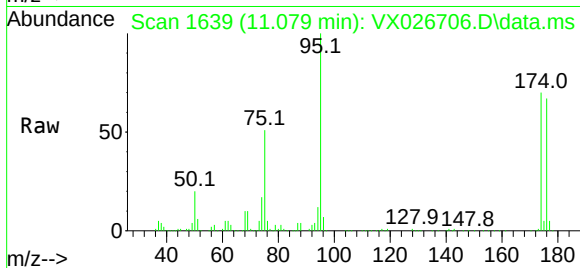




#81
trans-1,4-Dichloro-2-butene
Concen: 72.207 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

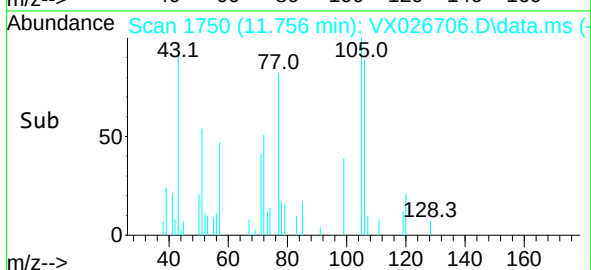
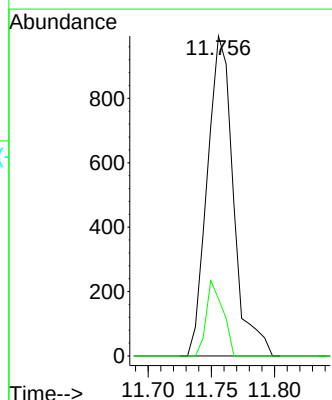
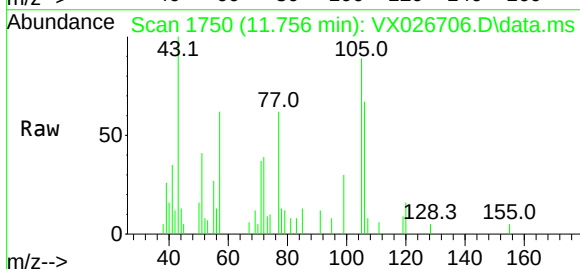
Instrument :
MSVOA_X
ClientSampleId :
VNJ-242

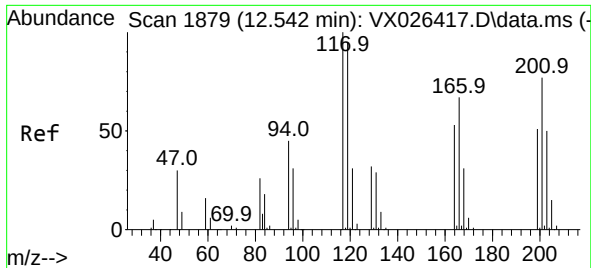
Tgt Ion: 75 Resp: 47892
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.230 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

Tgt Ion: 105 Resp: 1428
Ion Ratio Lower Upper
105 100
120 15.0 21.9 65.5#

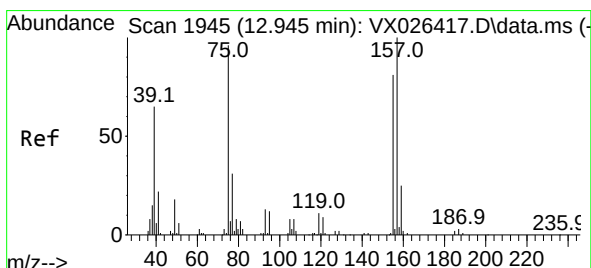
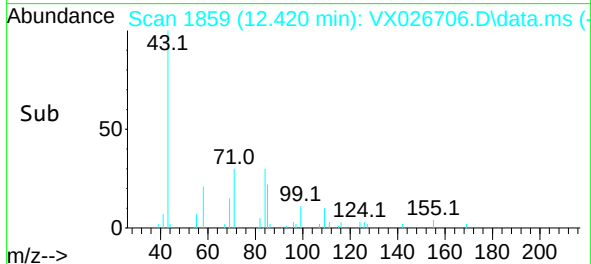
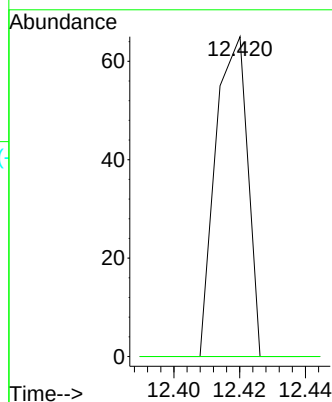
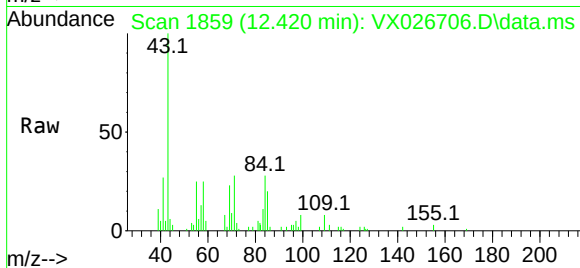




#90
Hexachloroethane
Concen: 2.217 ug/l
RT: 12.420 min Scan# 117
Delta R.T. -0.122 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

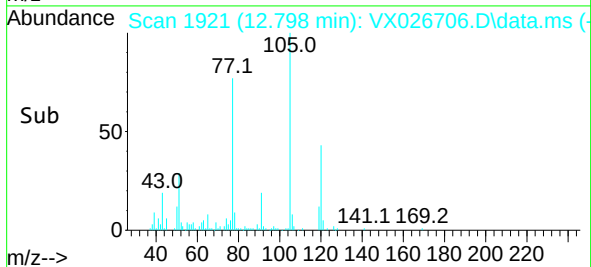
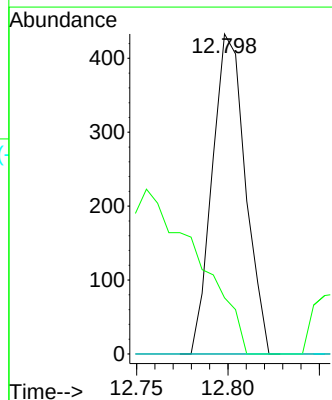
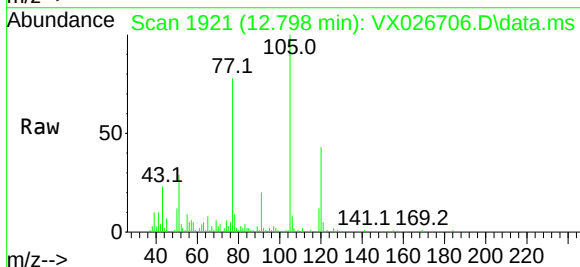
Instrument :
MSVOA_X
ClientSampleId :
VNJ-242

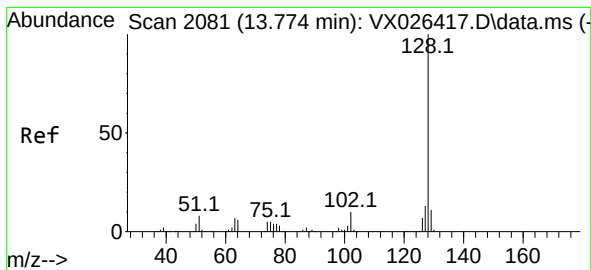
Tgt Ion:117 Resp: 44
Ion Ratio Lower Upper
117 100
201 0.0 35.6 106.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.115 ug/l
RT: 12.798 min Scan# 1921
Delta R.T. -0.147 min
Lab File: VX026706.D
Acq: 01 Feb 2022 14:57

Tgt Ion: 75 Resp: 545
Ion Ratio Lower Upper
75 100
155 0.0 40.0 119.9#
157 0.0 51.6 154.8#





#95

Naphthalene

Concen: 0.376 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX026706.D

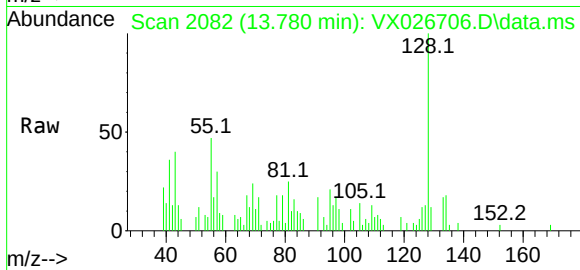
Acq: 01 Feb 2022 14:57

Instrument :

MSVOA_X

ClientSampleId :

VNJ-242



Tgt Ion:	128	Resp:	2460
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	19.2	8.7	13.1#

