

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
 Data File : VX043966.D
 Acq On : 22 Nov 2024 17:39
 Operator : JC/MD
 Sample : P4846-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-EVAL-02S-20241113

Quant Time: Nov 22 22:27:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

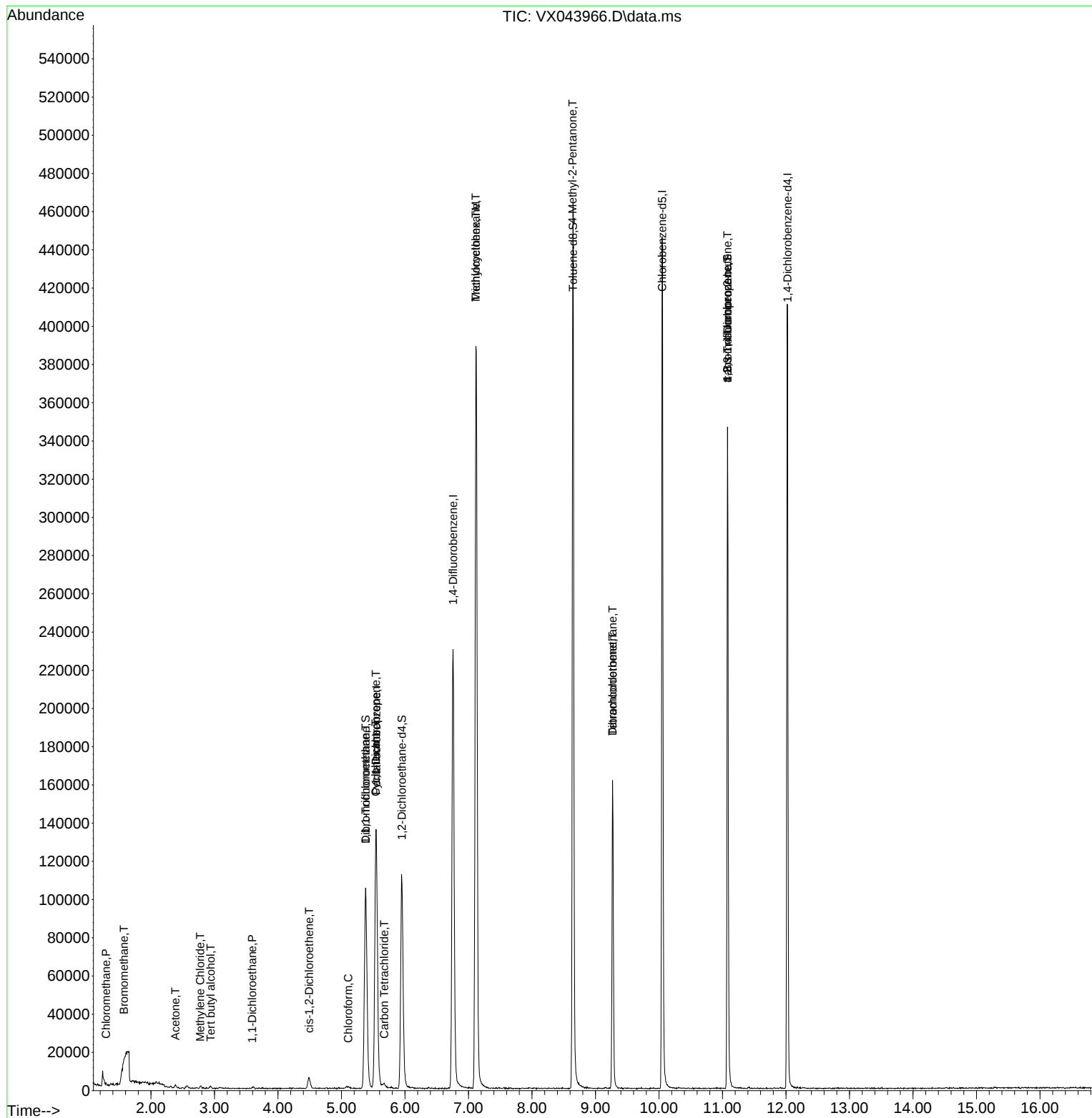
Internal Standards						
1) Pentafluorobenzene	5.550	168	121293	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	231454	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	107041	51.453	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.900%
35) Dibromofluoromethane	5.379	113	76784	46.427	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.860%
50) Toluene-d8	8.647	98	276241	48.455	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.900%
62) 4-Bromofluorobenzene	11.079	95	92396	47.622	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.240%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	607	0.375	ug/l	91
5) Bromomethane	1.575	94	251	0.237	ug/l #	63
11) Tert butyl alcohol	2.941	59	216	0.647	ug/l #	73
16) Acetone	2.386	43	1530	1.601	ug/l #	87
20) Methylene Chloride	2.776	84	570	0.352	ug/l #	74
24) 1,1-Dichloroethane	3.593	63	1105	0.392	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	3306	1.853	ug/l	90
30) Chloroform	5.105	83	1350	0.446	ug/l	88
31) Cyclohexane	5.538	56	3401	1.467	ug/l #	14
32) 1,1,1-Trichloroethane	5.379	97	12125	4.640	ug/l	99
36) 1,1-Dichloropropene	5.544	75	11658	5.657	ug/l #	50
38) Carbon Tetrachloride	5.672	117	1757	0.759	ug/l #	90
39) Methylcyclohexane	7.117	83	2215	0.827	ug/l #	1
44) Trichloroethene	7.117	130	146202	80.450	ug/l	96
51) 4-Methyl-2-Pentanone	8.641	43	1458	0.587	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.037	63	20	Below Cal	#	46
60) Dibromochloromethane	9.269	129	28456	17.881	ug/l #	11
64) Tetrachloroethene	9.269	164	28564	22.034	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	52122	29.337	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	52122	80.054	ug/l #	6

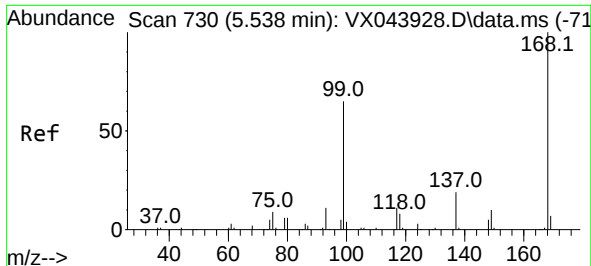
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FSND-MW-EVAL-02S-20241113

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Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

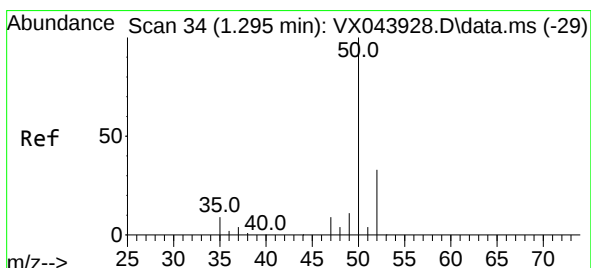
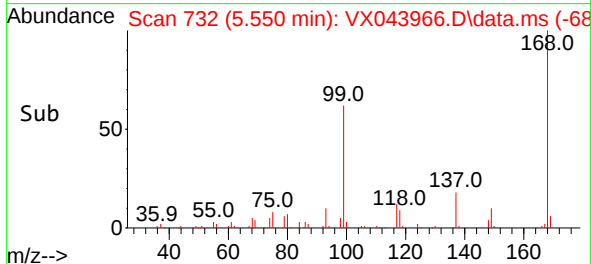
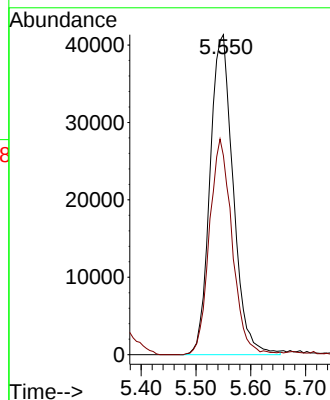
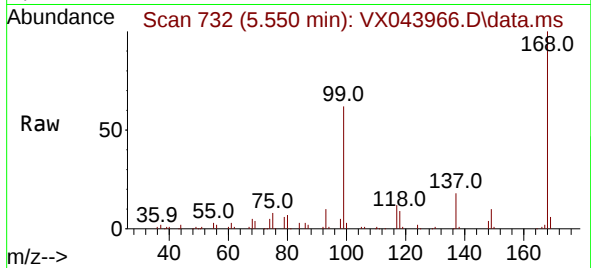




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

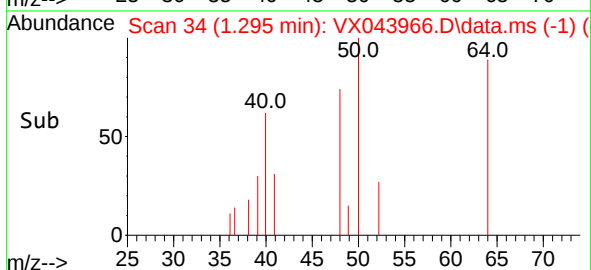
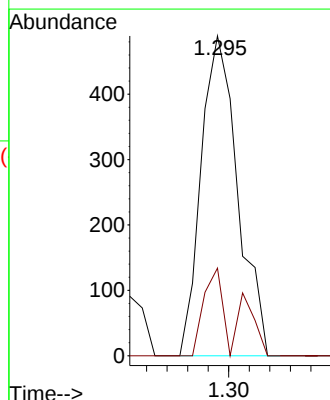
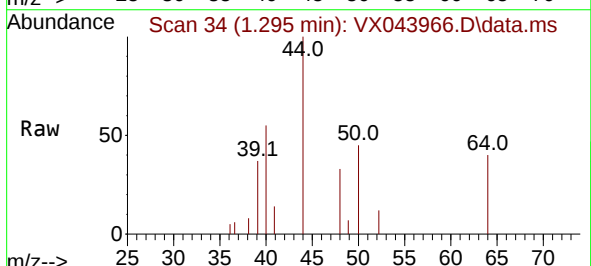
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

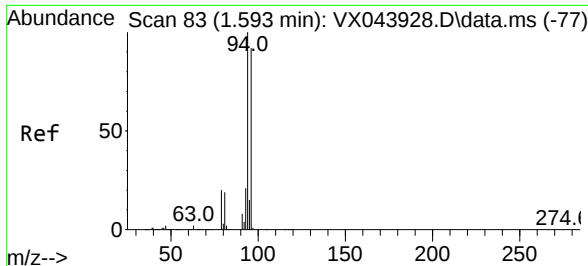
Tgt Ion:168 Resp: 121293
Ion Ratio Lower Upper
168 100
99 62.2 51.8 77.8



#3
Chloromethane
Concen: 0.375 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion: 50 Resp: 607
Ion Ratio Lower Upper
50 100
52 27.4 26.1 39.1

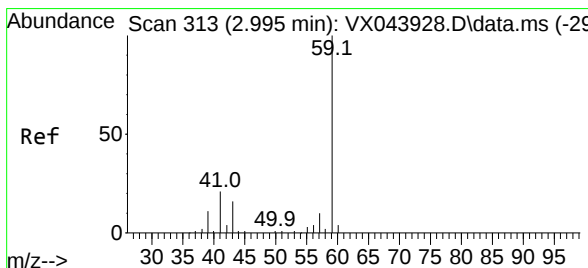
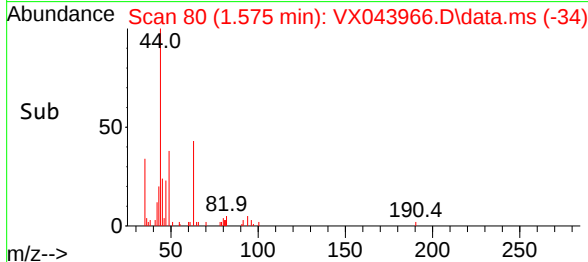
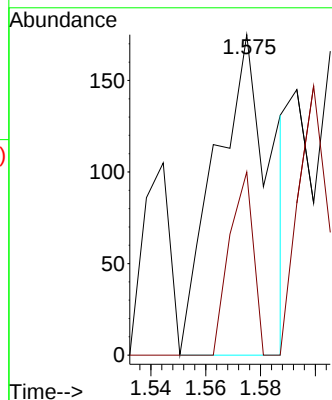
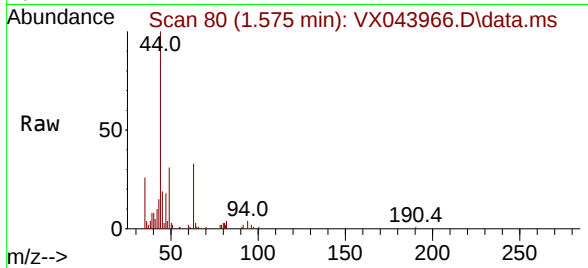




#5
Bromomethane
Concen: 0.237 ug/l
RT: 1.575 min Scan# 80
Delta R.T. -0.018 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

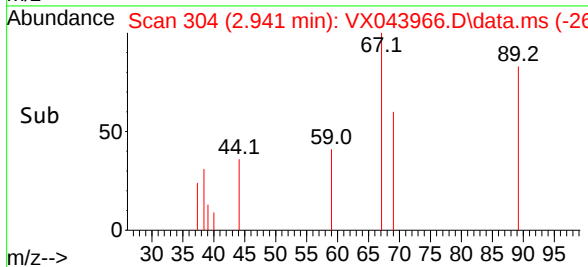
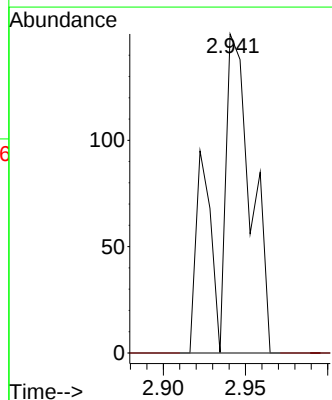
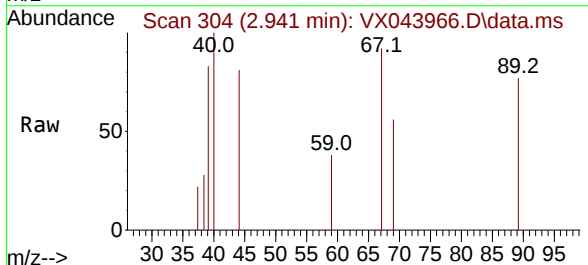
Instrument : MSVOA_X
ClientSampleId : FSND-MW-EVAL-02S-20241113

Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 57.1 73.9 110.9#



#11
Tert butyl alcohol
Concen: 0.647 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion: 59 Resp: 216
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#16

Acetone

Concen: 1.601 ug/l

RT: 2.386 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX043966.D

Acq: 22 Nov 2024 17:39

Instrument :

MSVOA_X

ClientSampleId :

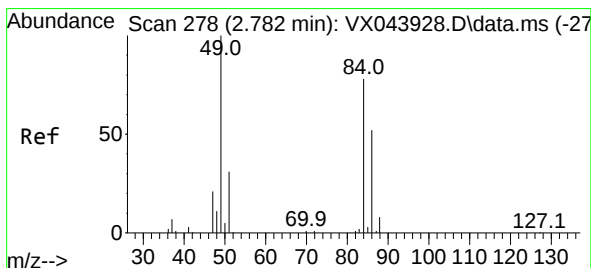
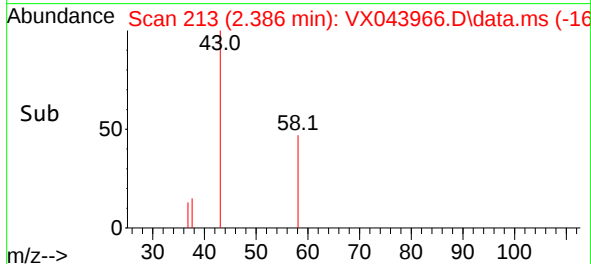
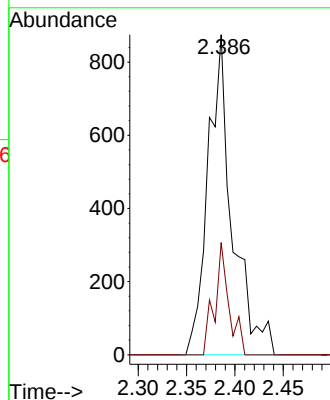
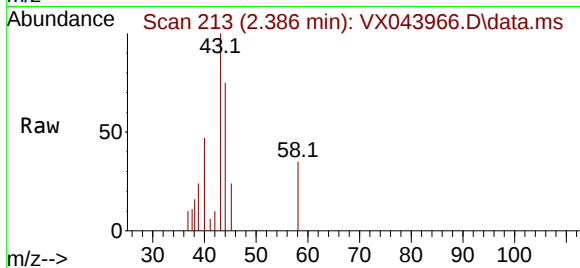
FSND-MW-EVAL-02S-20241113

Tgt Ion: 43 Resp: 1530

Ion Ratio Lower Upper

43 100

58 35.1 22.7 34.1#



#20

Methylene Chloride

Concen: 0.352 ug/l

RT: 2.776 min Scan# 277

Delta R.T. -0.006 min

Lab File: VX043966.D

Acq: 22 Nov 2024 17:39

Tgt Ion: 84 Resp: 570

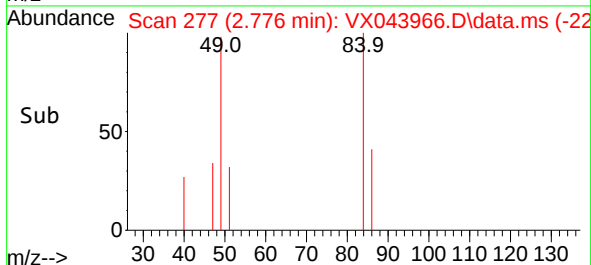
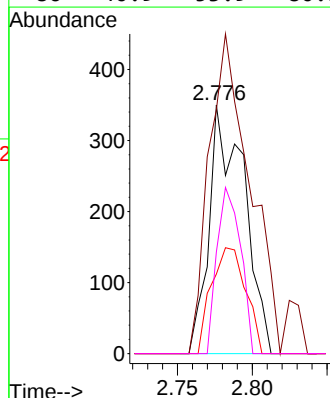
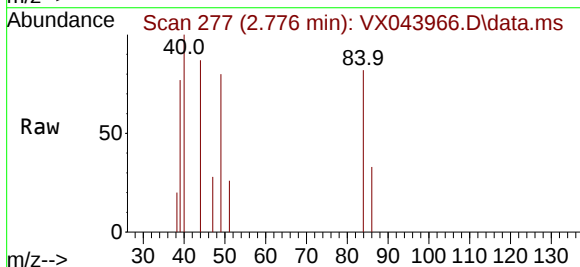
Ion Ratio Lower Upper

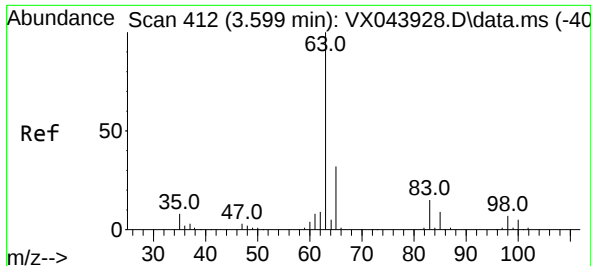
84 100

49 98.0 102.7 154.1#

51 32.0 31.7 47.5

86 40.9 53.9 80.9#

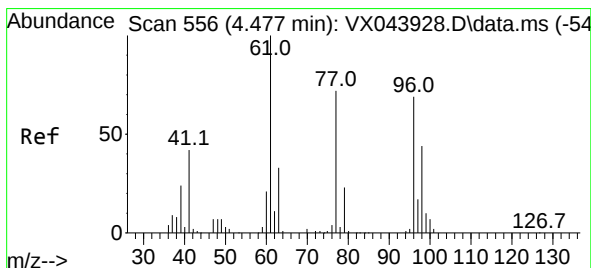
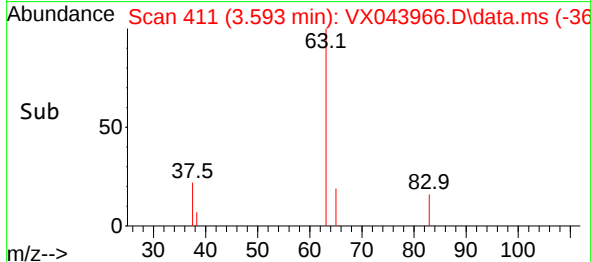
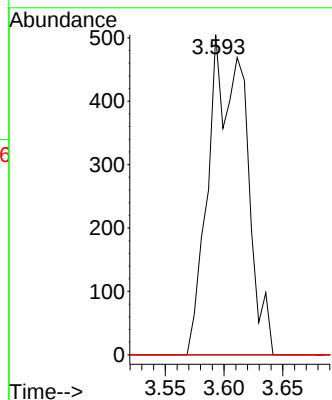
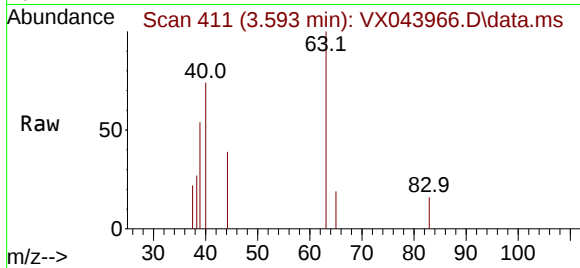




#24
1,1-Dichloroethane
Concen: 0.392 ug/l
RT: 3.593 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

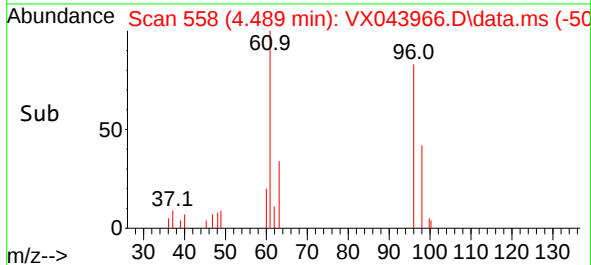
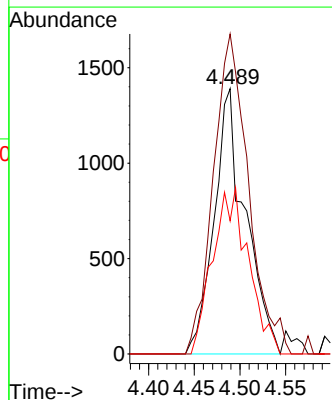
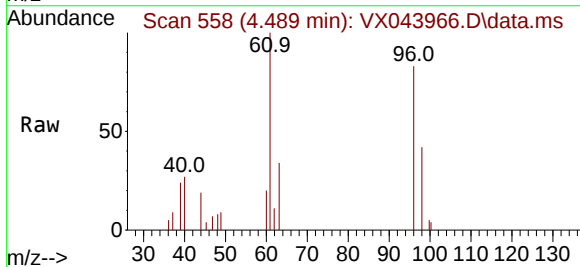
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

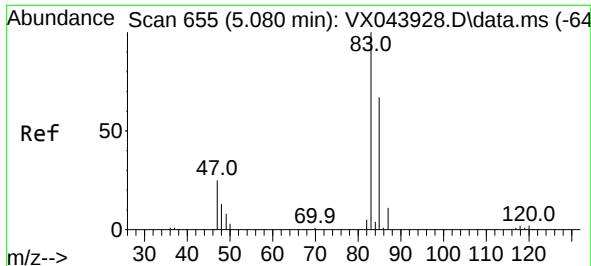
Tgt Ion: 63 Resp: 1105
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.6#
100 0.0 2.4 7.1#



#27
cis-1,2-Dichloroethene
Concen: 1.853 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.012 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion: 96 Resp: 3306
Ion Ratio Lower Upper
96 100
61 136.0 0.0 297.4
98 72.0 0.0 127.8

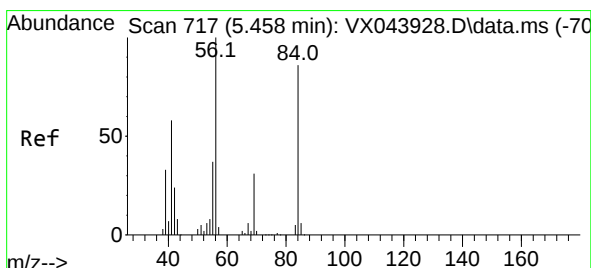
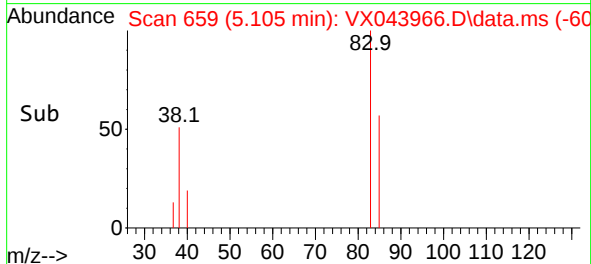
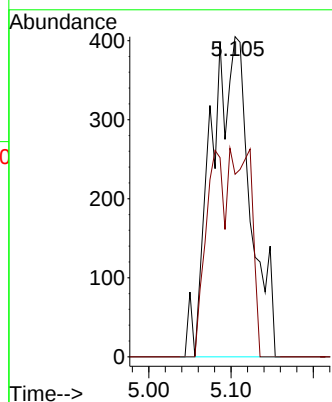
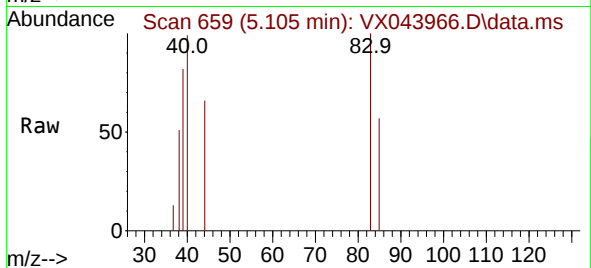




#30
Chloroform
Concen: 0.446 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.024 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

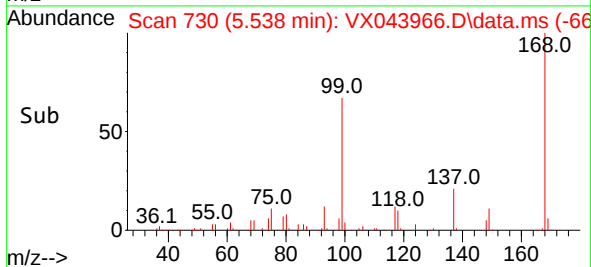
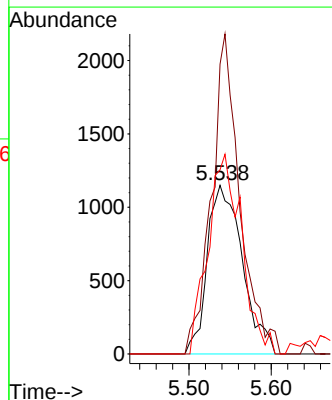
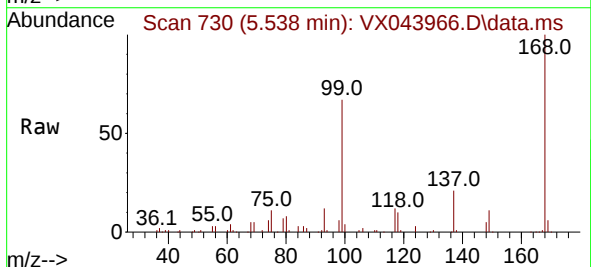
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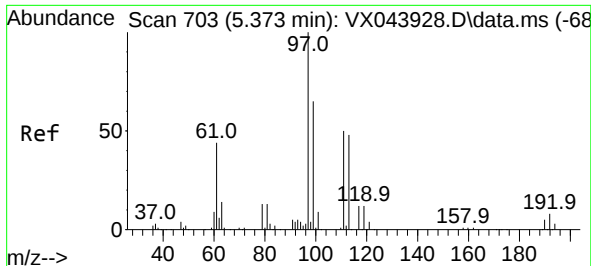
Tgt Ion: 83 Resp: 1350
Ion Ratio Lower Upper
83 100
85 57.0 53.5 80.3



#31
Cyclohexane
Concen: 1.467 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion: 56 Resp: 3401
Ion Ratio Lower Upper
56 100
69 171.7 24.7 37.1#
84 109.1 68.7 103.1#

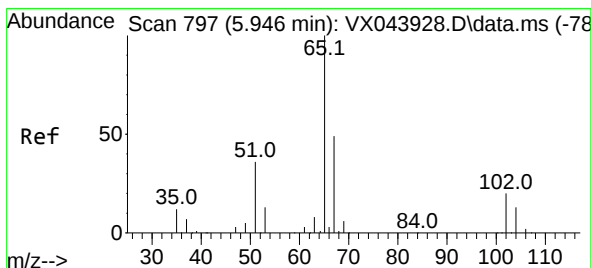
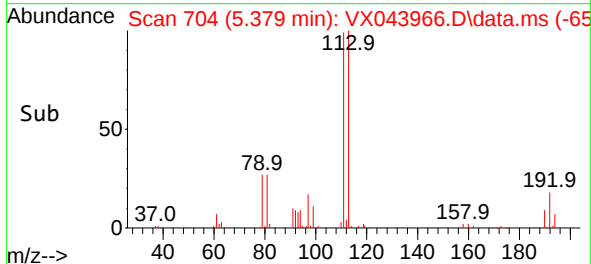
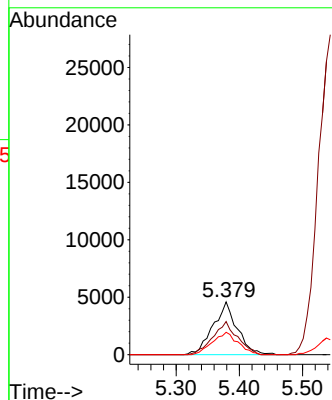
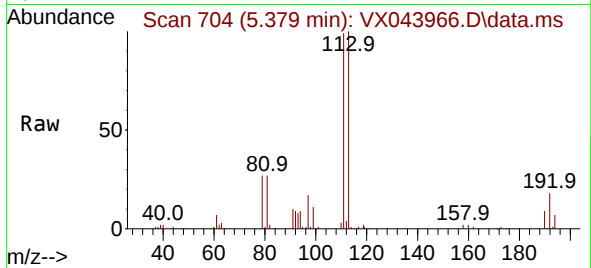




#32
1,1,1-Trichloroethane
Concen: 4.640 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

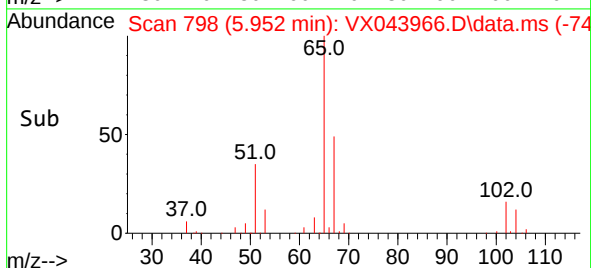
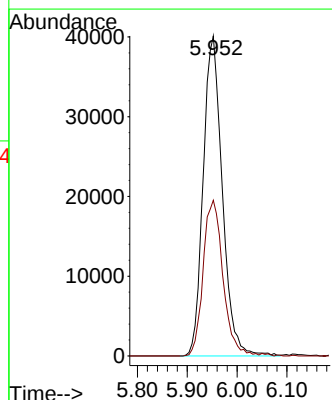
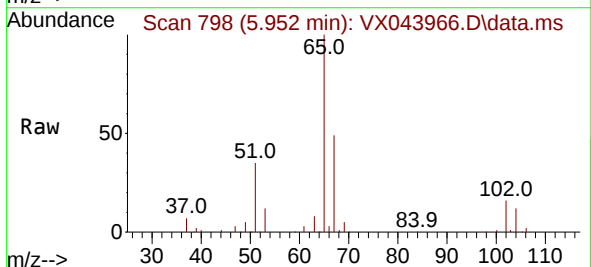
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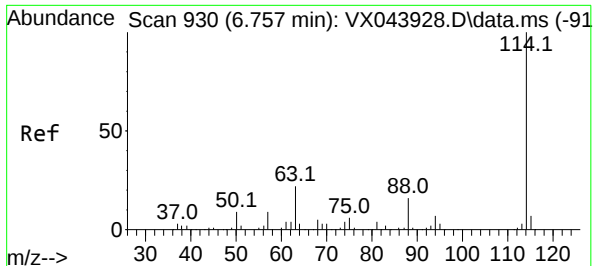
Tgt Ion: 97 Resp: 12125
Ion Ratio Lower Upper
97 100
99 64.1 50.8 76.2
61 45.1 35.4 53.2



#33
1,2-Dichloroethane-d4
Concen: 51.453 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion: 65 Resp: 107041
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.8

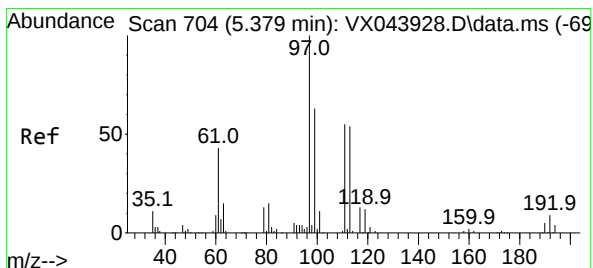
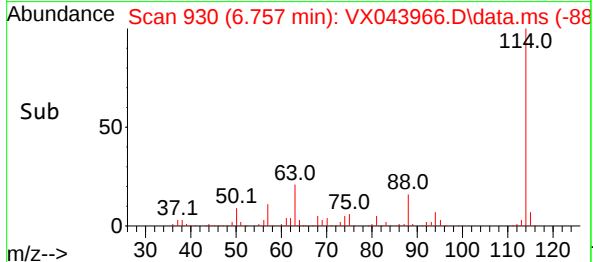
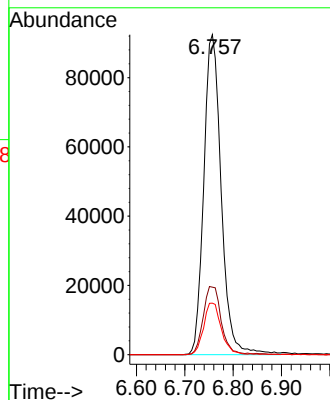
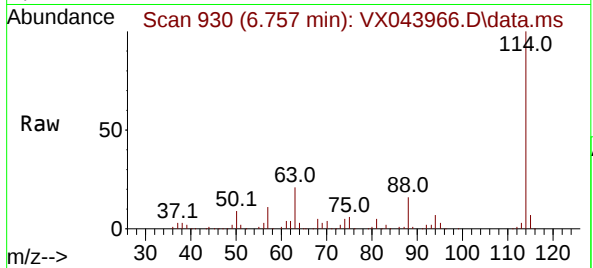




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

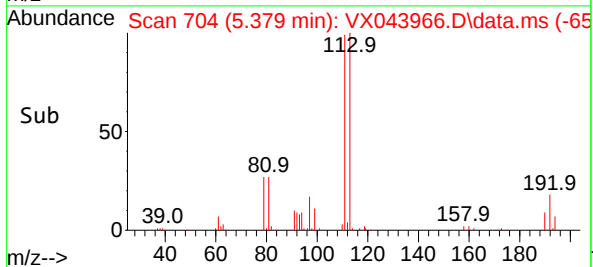
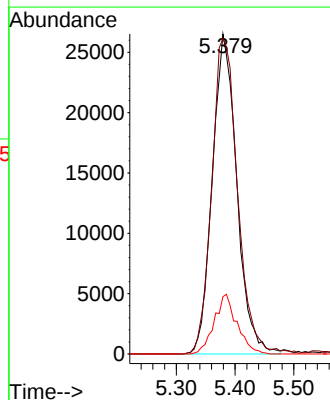
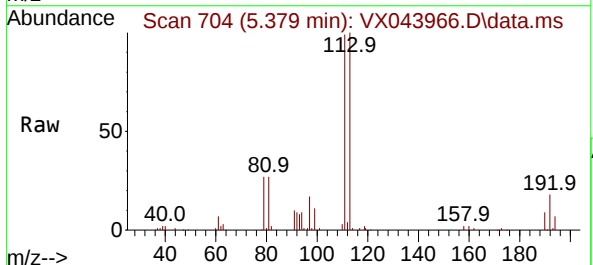
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

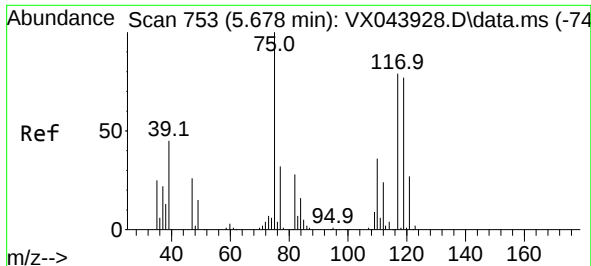
Tgt Ion:114 Resp: 231454
Ion Ratio Lower Upper
114 100
63 21.1 0.0 44.0
88 16.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.427 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion:113 Resp: 76784
Ion Ratio Lower Upper
113 100
111 103.7 81.0 121.4
192 17.3 13.0 19.6

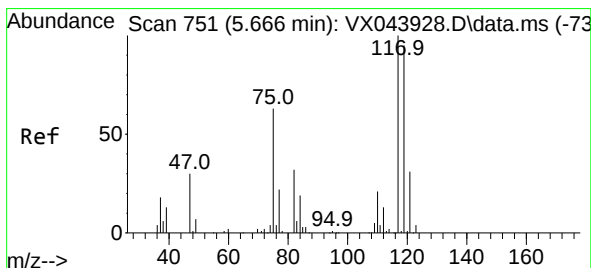
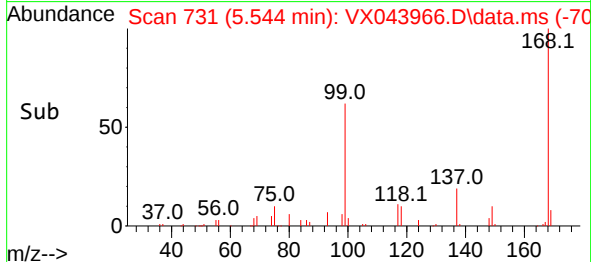
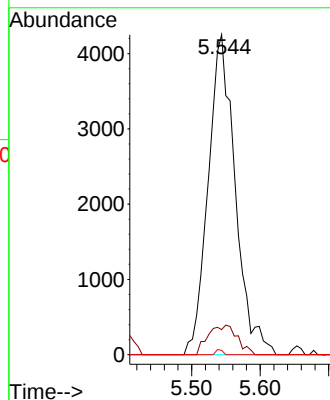
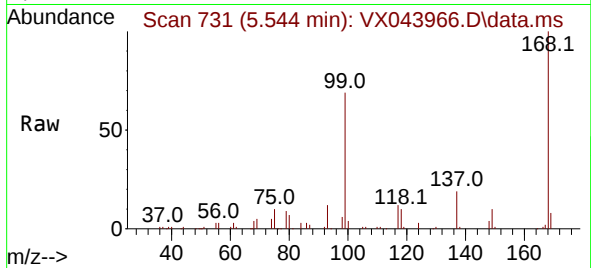




#36
1,1-Dichloropropene
Concen: 5.657 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

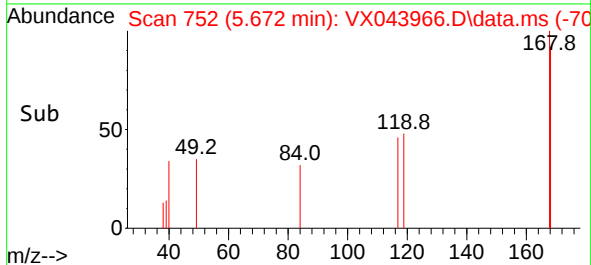
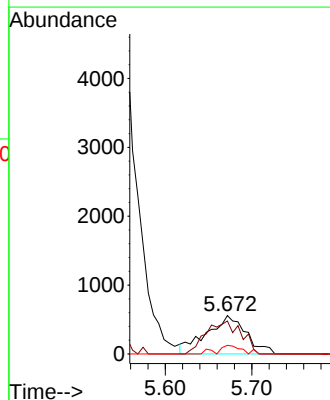
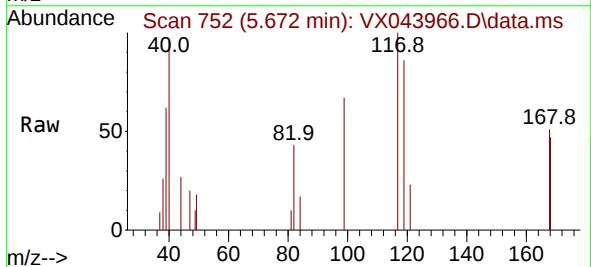
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

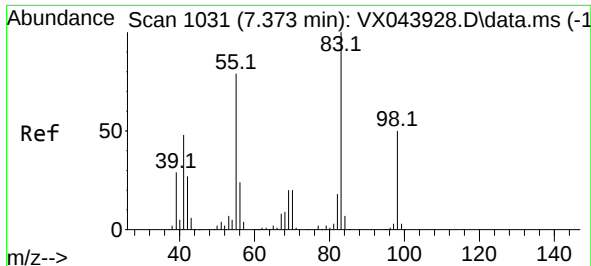
Tgt Ion: 75 Resp: 11658
Ion Ratio Lower Upper
75 100
110 10.0 17.4 52.2#
77 0.4 25.8 38.8#



#38
Carbon Tetrachloride
Concen: 0.759 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion:117 Resp: 1757
Ion Ratio Lower Upper
117 100
119 86.2 75.2 112.8
121 22.6 24.5 36.7#





#39

Methylcyclohexane

Concen: 0.827 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.256 min

Lab File: VX043966.D

Acq: 22 Nov 2024 17:39

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-EVAL-02S-20241113

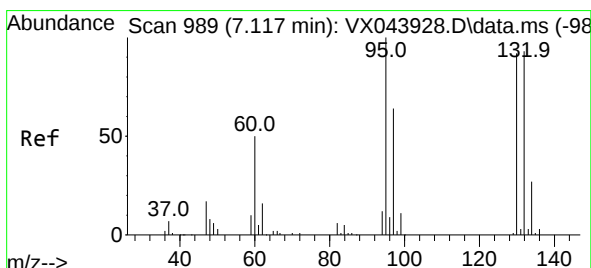
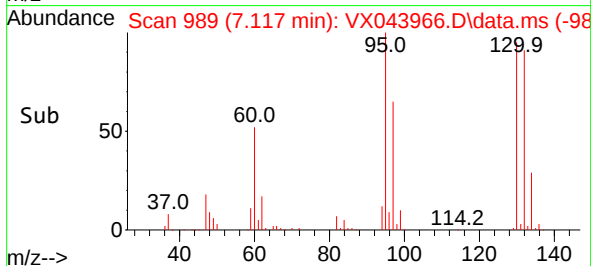
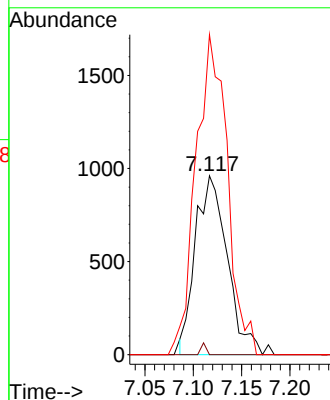
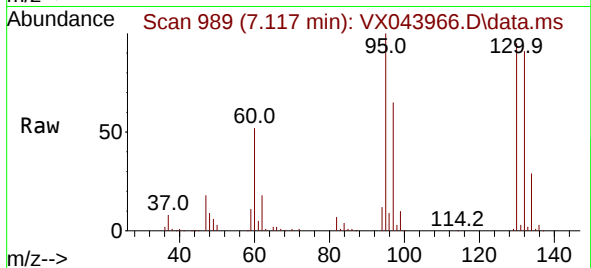
Tgt Ion: 83 Resp: 2215

Ion Ratio Lower Upper

83 100

55 0.0 63.1 94.7#

98 178.9 40.0 60.0#



#44

Trichloroethene

Concen: 80.450 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.000 min

Lab File: VX043966.D

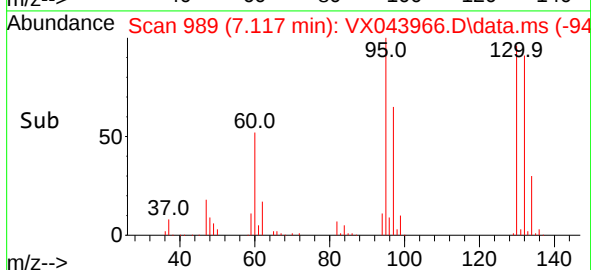
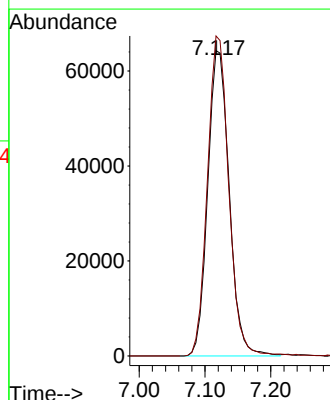
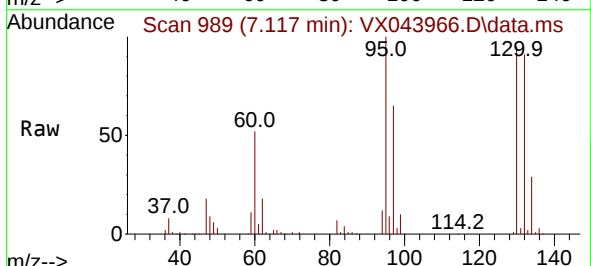
Acq: 22 Nov 2024 17:39

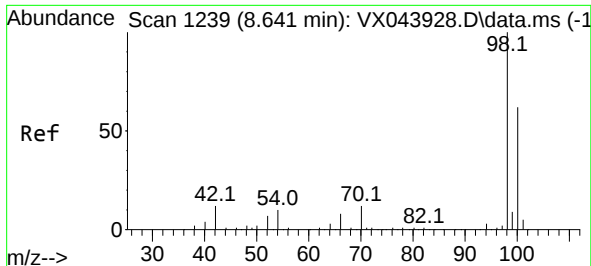
Tgt Ion:130 Resp: 146202

Ion Ratio Lower Upper

130 100

95 104.8 0.0 217.8

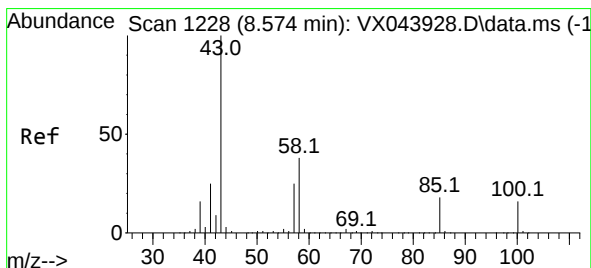
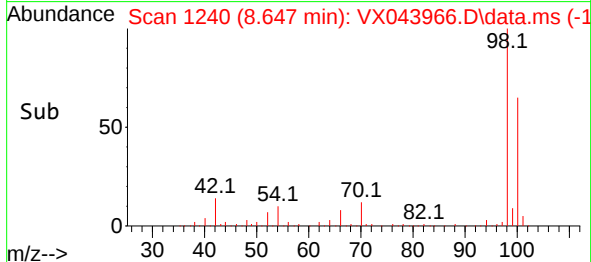
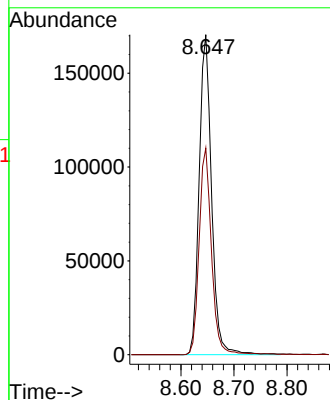
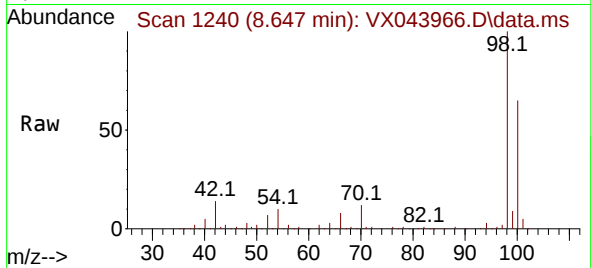




#50
Toluene-d8
Concen: 48.455 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

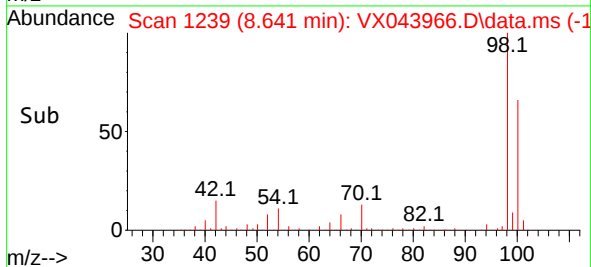
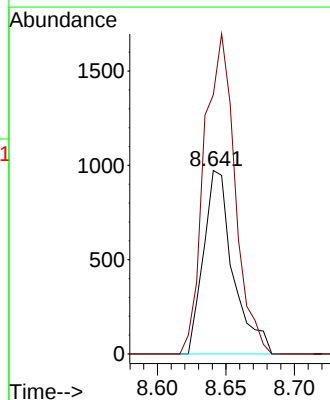
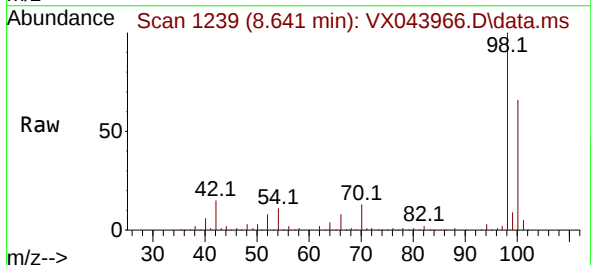
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

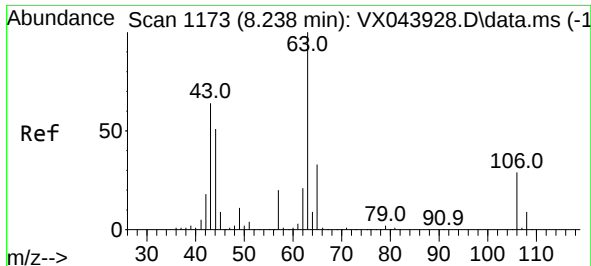
Tgt Ion: 98 Resp: 276241
Ion Ratio Lower Upper
98 100
100 64.4 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 0.587 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
58 181.6 30.0 45.0#

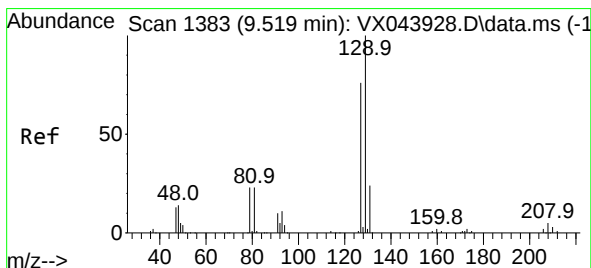
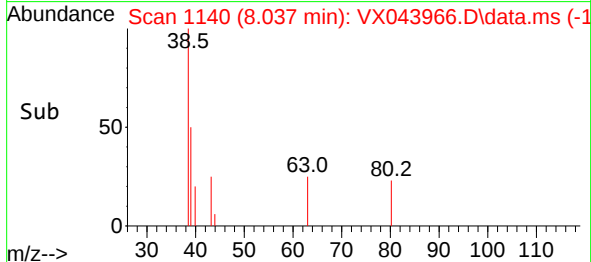
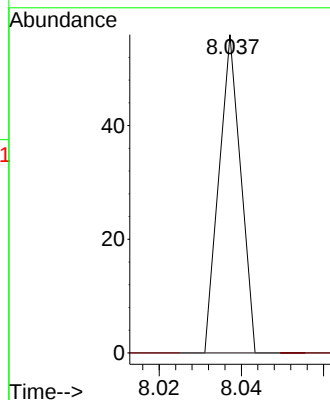
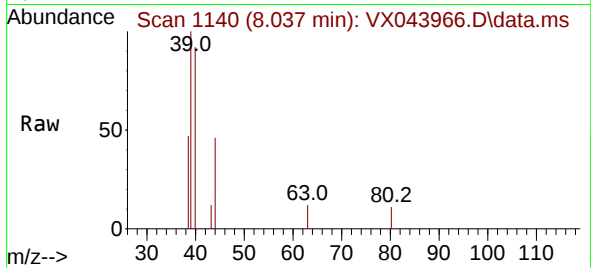




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 8.037 min Scan# 1173
Delta R.T. -0.201 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

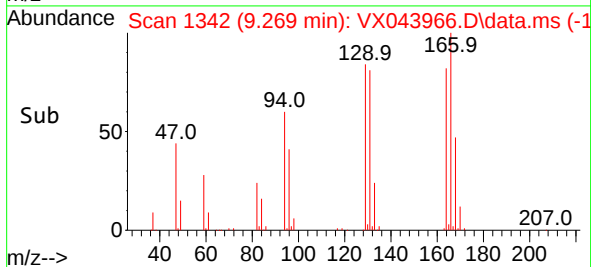
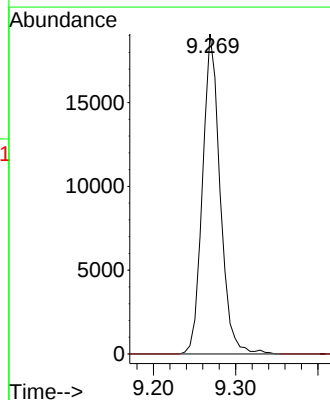
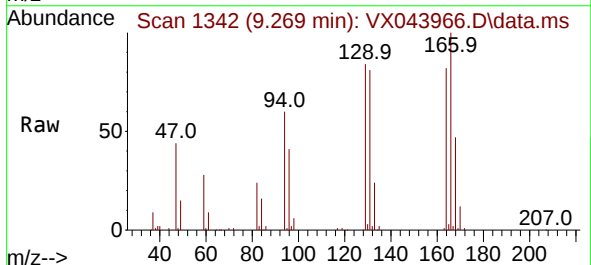
Instrument : MSVOA_X
ClientSampleId : FSND-MW-EVAL-02S-20241113

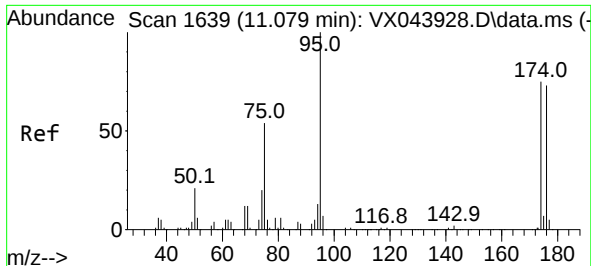
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 23.0 34.6#



#60
Dibromochloromethane
Concen: 17.881 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion: 129 Resp: 28456
Ion Ratio Lower Upper
129 100
127 0.0 38.2 114.6#

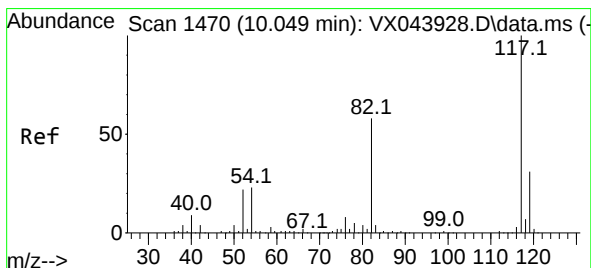
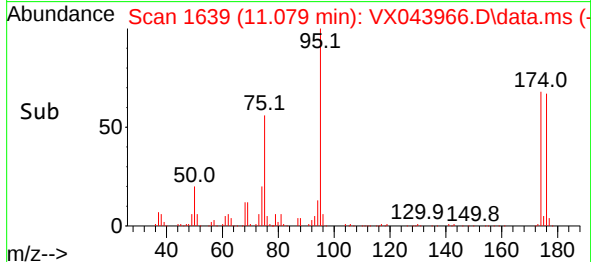
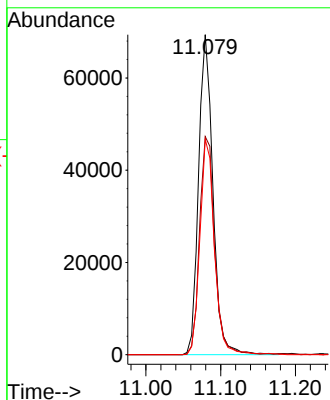
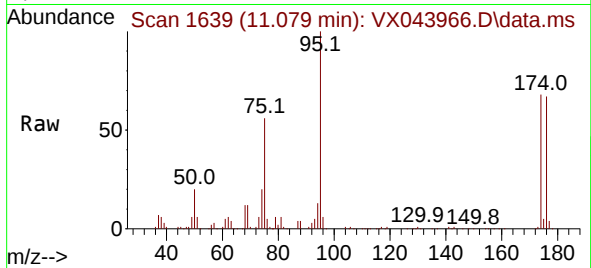




#62
4-Bromofluorobenzene
Concen: 47.622 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

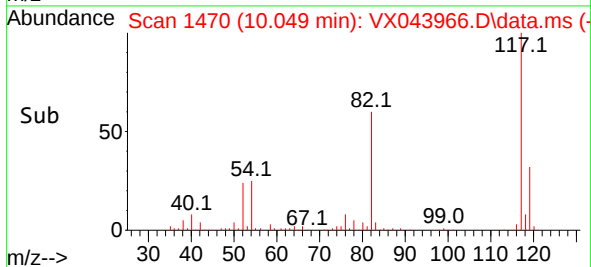
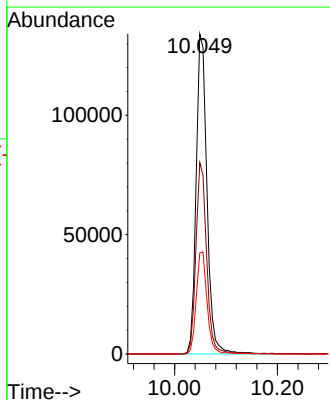
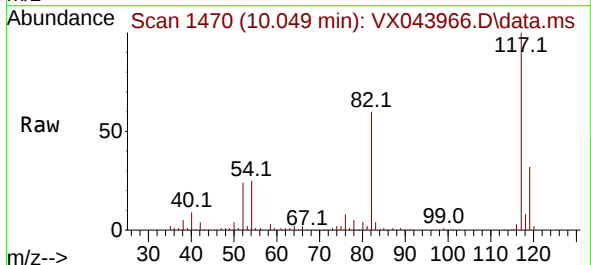
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

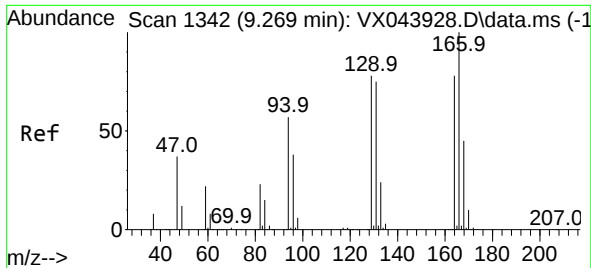
Tgt Ion: 95 Resp: 92396
Ion Ratio Lower Upper
95 100
174 71.7 0.0 150.4
176 68.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion: 117 Resp: 196600
Ion Ratio Lower Upper
117 100
82 59.8 46.4 69.6
119 31.6 24.6 37.0

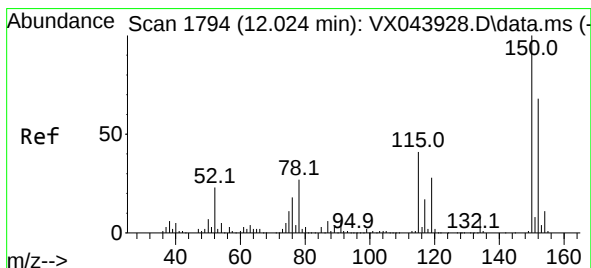
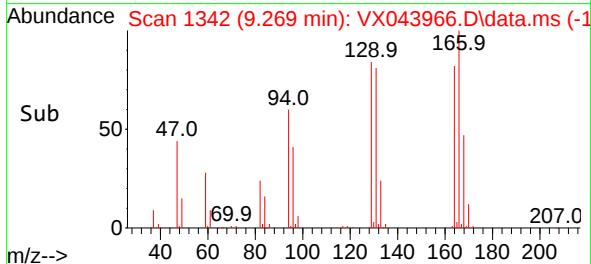
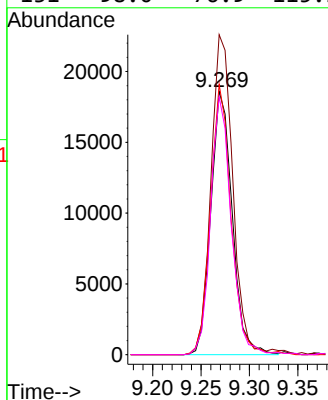
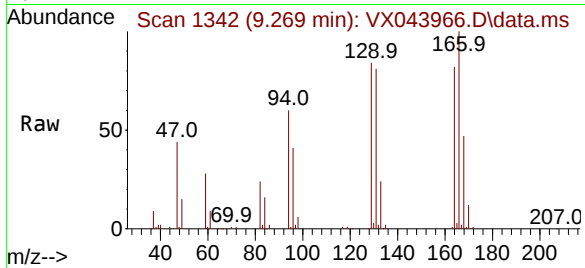




#64
Tetrachloroethene
Concen: 22.034 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

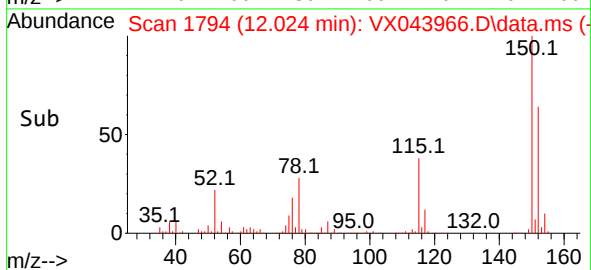
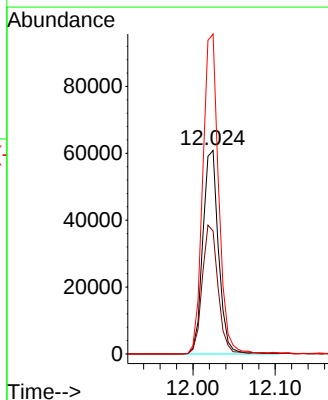
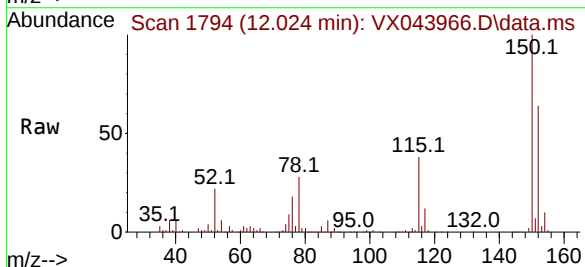
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-02S-20241113

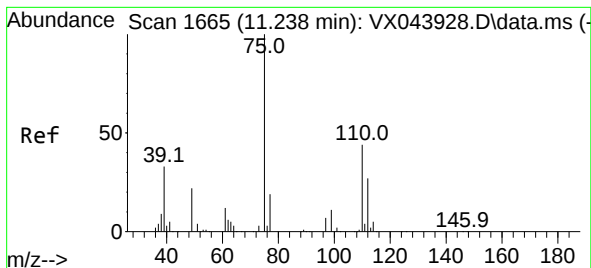
Tgt Ion:164	Resp:	28564
Ion	Ratio	Lower Upper
164	100	
166	121.6	102.1 153.1
129	102.8	79.6 119.4
131	98.0	76.9 115.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043966.D
Acq: 22 Nov 2024 17:39

Tgt Ion:152	Resp:	81016
Ion	Ratio	Lower Upper
152	100	
115	63.9	45.4 136.2
150	158.2	0.0 353.0





#76

1,2,3-Trichloropropane

Concen: 29.337 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX043966.D

Acq: 22 Nov 2024 17:39

Instrument :

MSVOA_X

ClientSampleId :

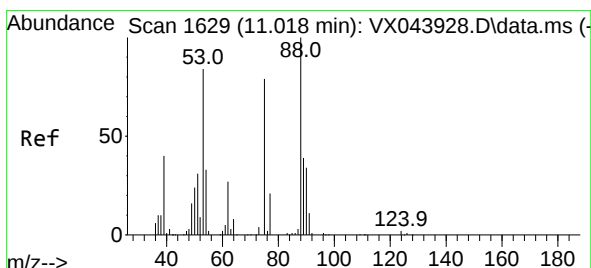
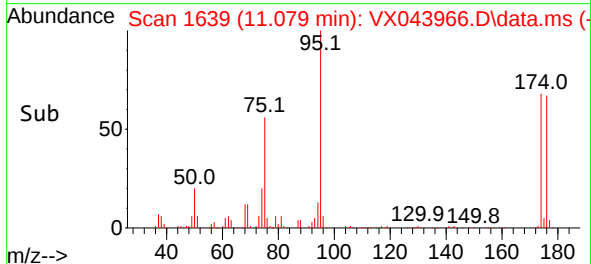
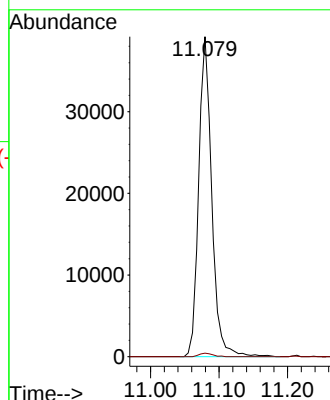
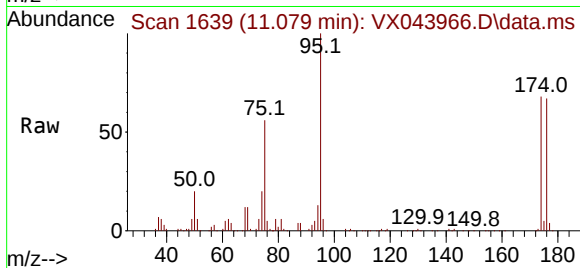
FSND-MW-EVAL-02S-20241113

Tgt Ion: 75 Resp: 52122

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.054 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043966.D

Acq: 22 Nov 2024 17:39

Tgt Ion: 75 Resp: 52122

Ion Ratio Lower Upper

75 100

53 0.0 86.7 130.1#

89 0.0 38.2 57.2#

