

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
 Data File : VX043961.D
 Acq On : 22 Nov 2024 15:43
 Operator : JC/MD
 Sample : P4846-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-EVAL-04S-20241113

Quant Time: Nov 22 22:24:28 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)

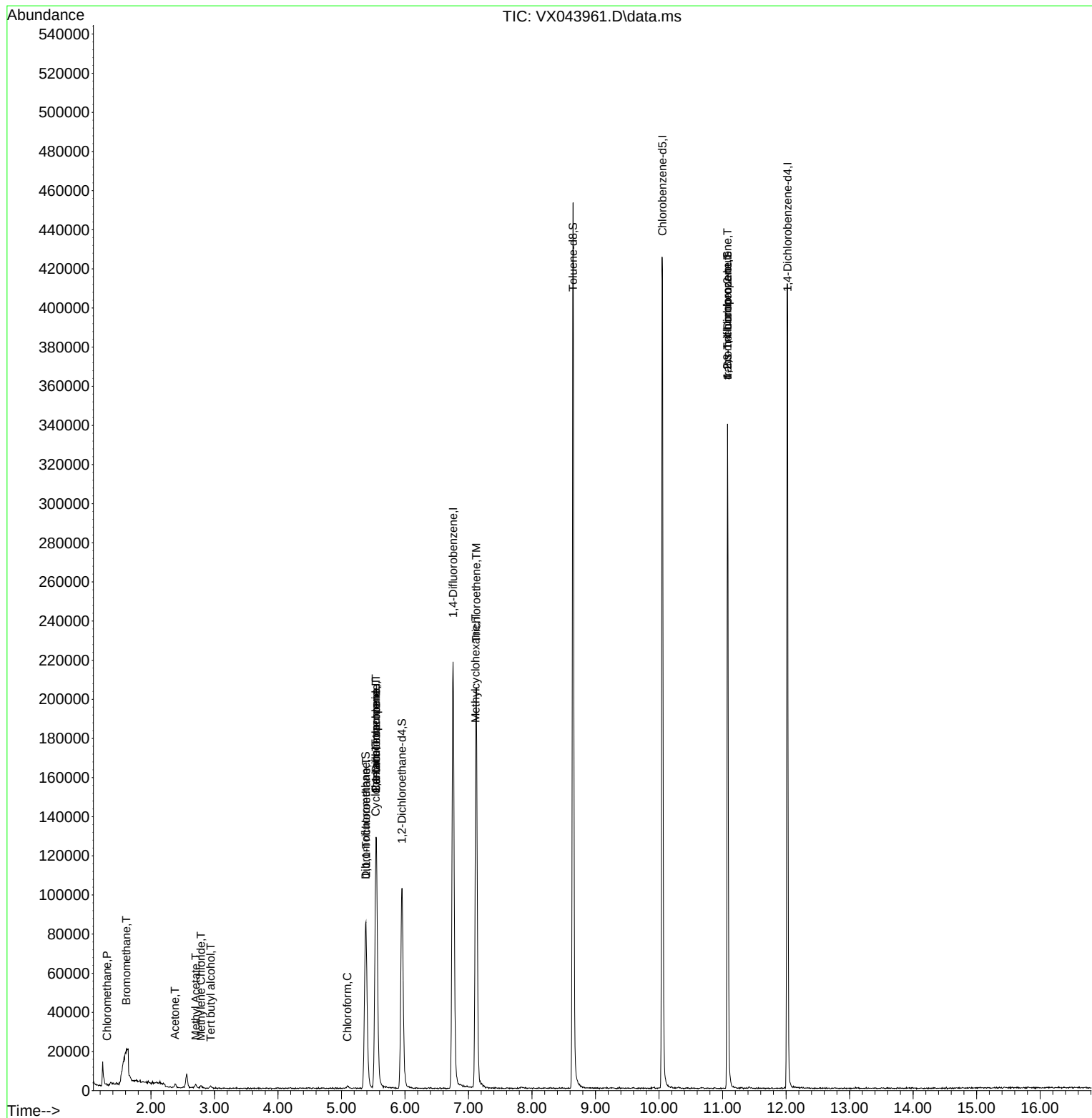
Internal Standards						
1) Pentafluorobenzene	5.544	168	112636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	215010	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99949	51.736	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.480%	
35) Dibromofluoromethane	5.379	113	73785	48.026	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.060%	
50) Toluene-d8	8.647	98	267075	50.430	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.860%	
62) 4-Bromofluorobenzene	11.079	95	89890	49.873	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	330	0.220	ug/l #	87
5) Bromomethane	1.611	94	307	0.312	ug/l #	58
11) Tert butyl alcohol	2.940	59	234	0.755	ug/l #	73
16) Acetone	2.379	43	2054	2.315	ug/l	92
18) Methyl Acetate	2.703	43	2299	1.113	ug/l	98
20) Methylene Chloride	2.788	84	635	0.422	ug/l #	85
30) Chloroform	5.092	83	1322	0.470	ug/l	88
31) Cyclohexane	5.537	56	3250	1.509	ug/l #	38
32) 1,1,1-Trichloroethane	5.385	97	770	0.317	ug/l #	44
36) 1,1-Dichloropropene	5.544	75	10806	5.644	ug/l #	49
38) Carbon Tetrachloride	5.544	117	13101	6.090	ug/l #	17
39) Methylcyclohexane	7.110	83	1155	0.464	ug/l #	11
44) Trichloroethene	7.123	130	75798	44.899	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	49800	28.742	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	49800	78.429	ug/l #	6

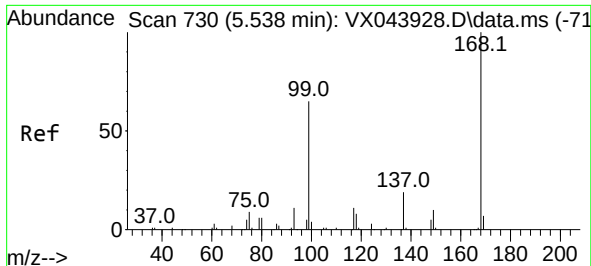
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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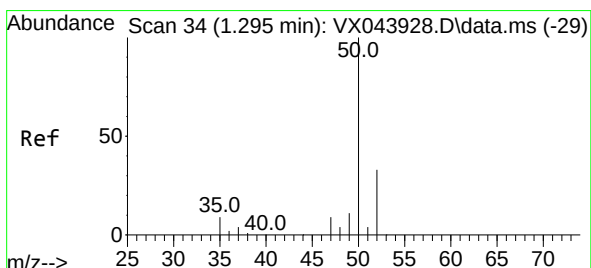
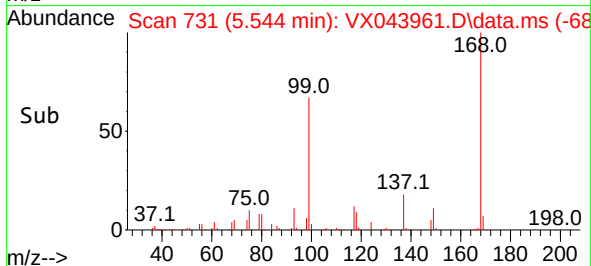
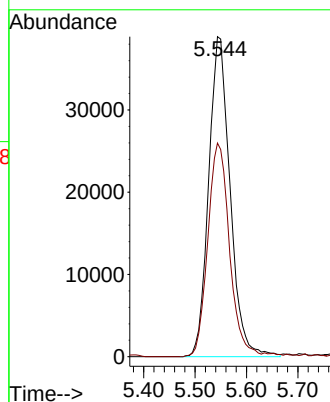
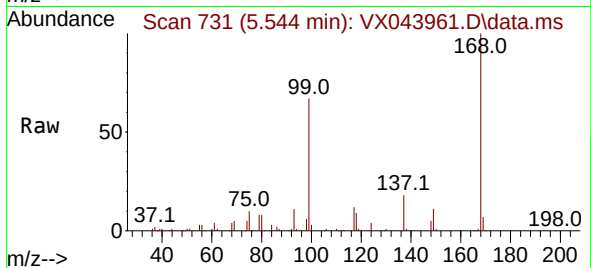




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

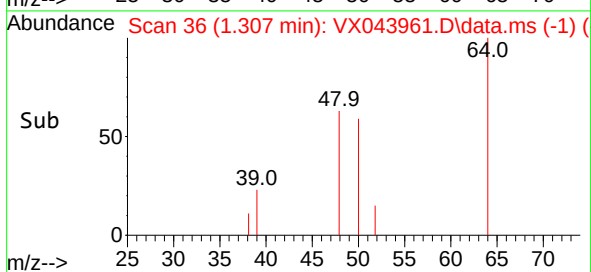
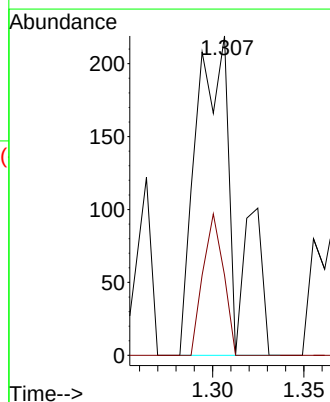
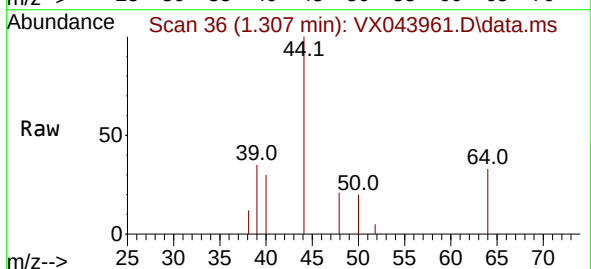
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

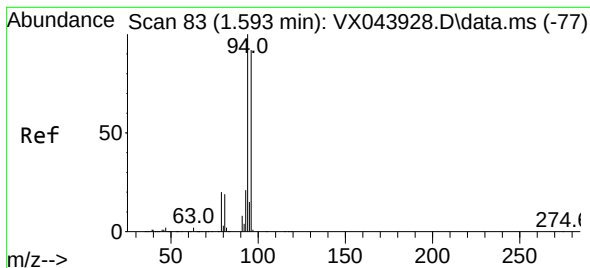
Tgt Ion:168 Resp: 112636
Ion Ratio Lower Upper
168 100
99 66.8 51.8 77.8



#3
Chloromethane
Concen: 0.220 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.012 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Tgt Ion: 50 Resp: 330
Ion Ratio Lower Upper
50 100
52 25.1 26.1 39.1#





#5

Bromomethane

Concen: 0.312 ug/l

RT: 1.611 min Scan# 80

Delta R.T. 0.018 min

Lab File: VX043961.D

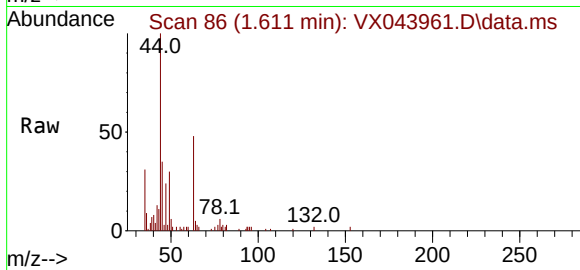
Acq: 22 Nov 2024 15:43

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-EVAL-04S-20241113

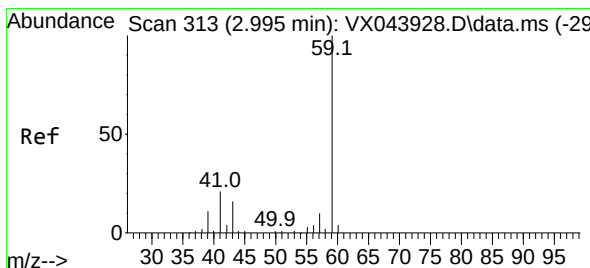
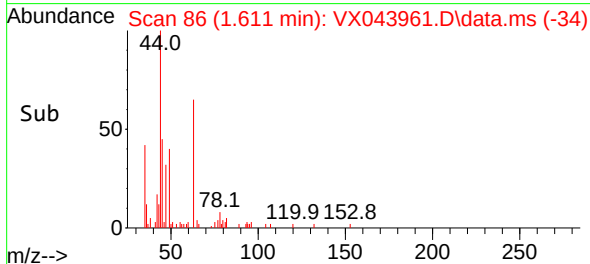
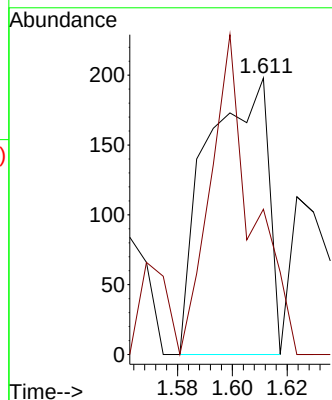


Tgt Ion: 94 Resp: 307

Ion Ratio Lower Upper

94 100

96 52.5 73.9 110.9#



#11

Tert butyl alcohol

Concen: 0.755 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX043961.D

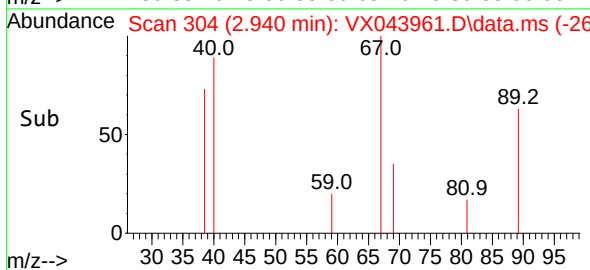
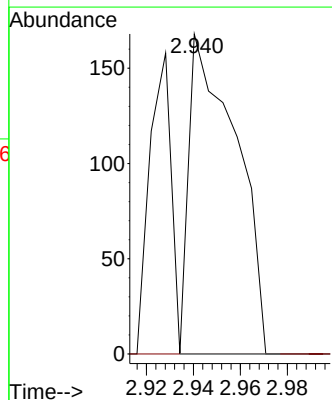
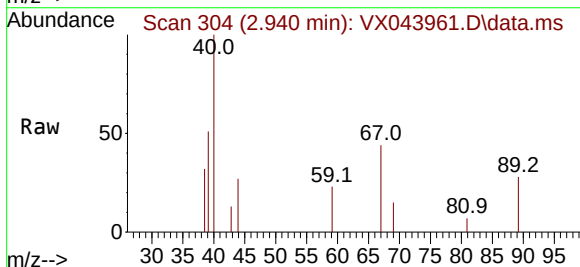
Acq: 22 Nov 2024 15:43

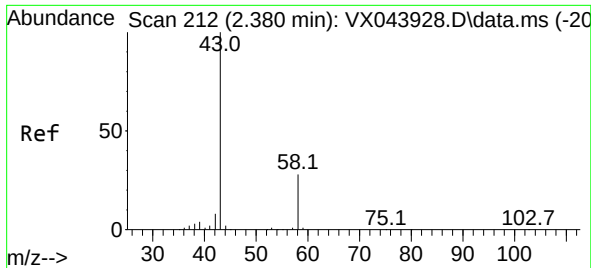
Tgt Ion: 59 Resp: 234

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#16

Acetone

Concen: 2.315 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX043961.D

Acq: 22 Nov 2024 15:43

Instrument :

MSVOA_X

ClientSampleId :

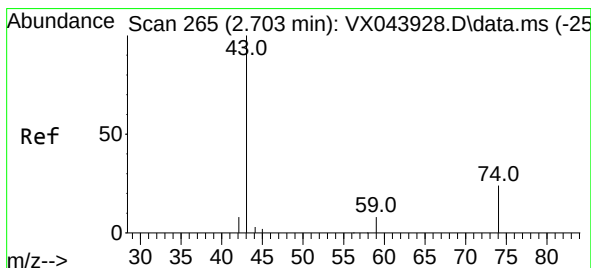
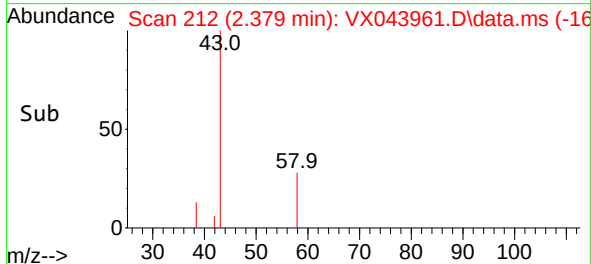
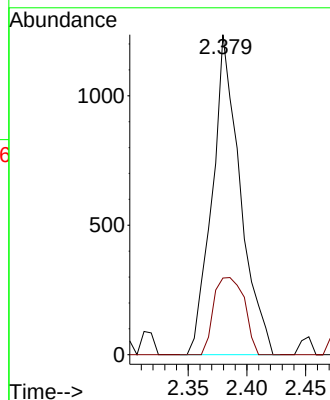
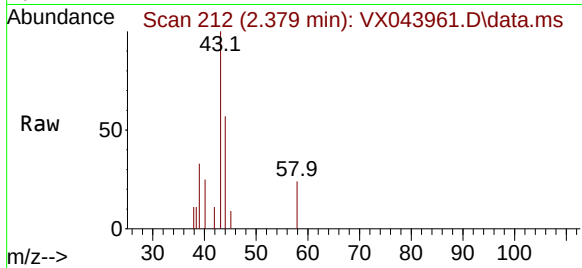
FSND-MW-EVAL-04S-20241113

Tgt Ion: 43 Resp: 2054

Ion Ratio Lower Upper

43 100

58 23.9 22.7 34.1



#18

Methyl Acetate

Concen: 1.113 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043961.D

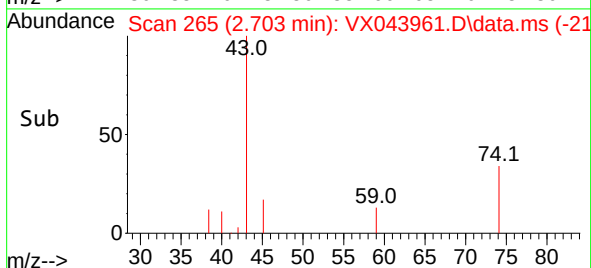
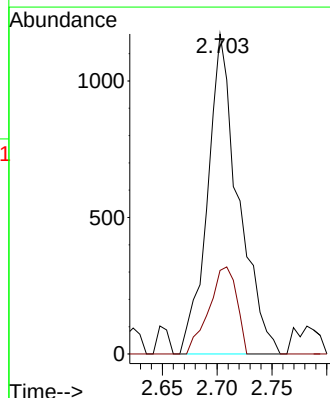
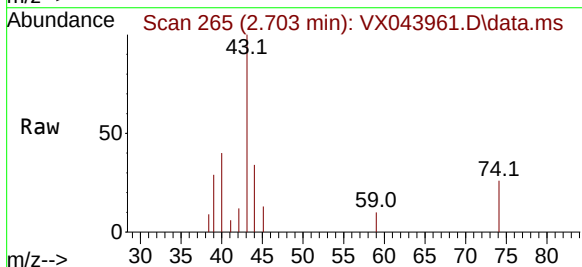
Acq: 22 Nov 2024 15:43

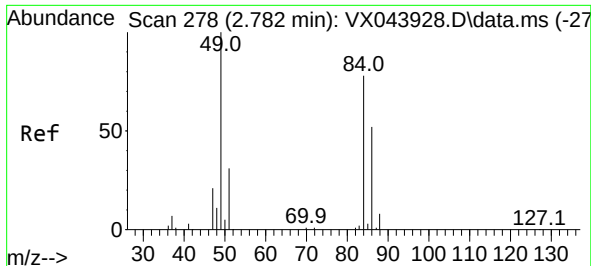
Tgt Ion: 43 Resp: 2299

Ion Ratio Lower Upper

43 100

74 24.4 18.9 28.3

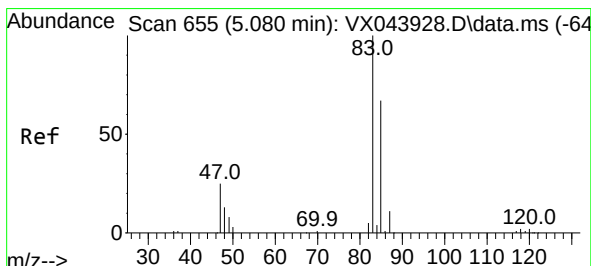
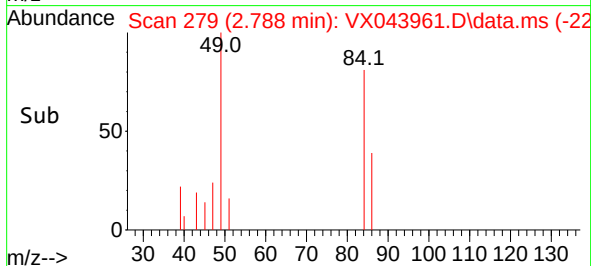
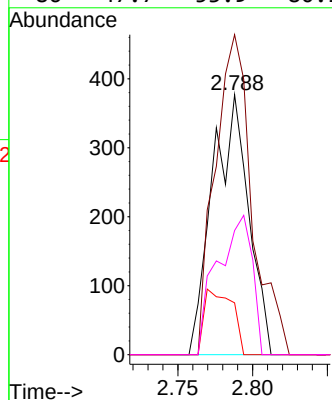
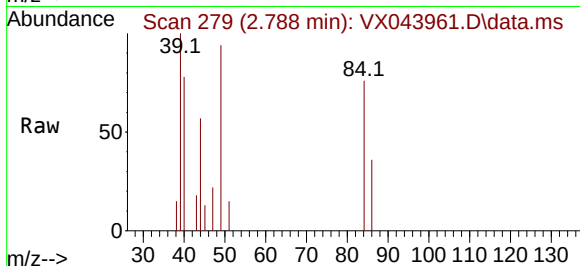




#20
Methylene Chloride
Concen: 0.422 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

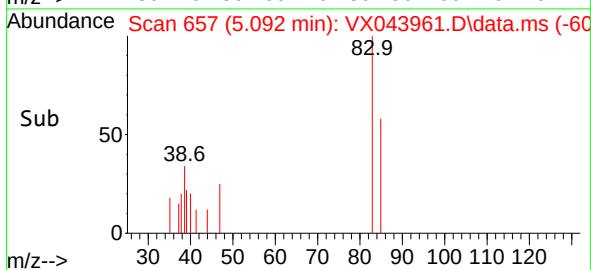
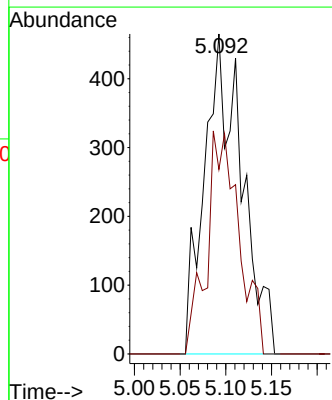
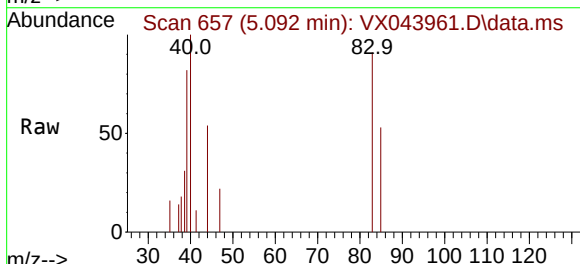
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

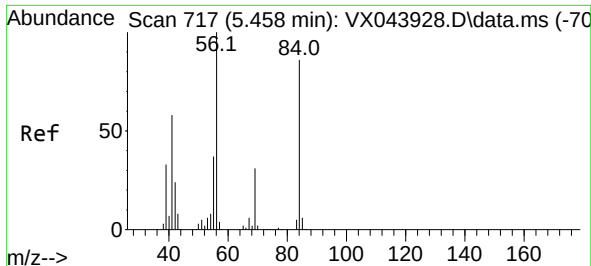
Tgt Ion:	84	Resp:	635
Ion	Ratio	Lower	Upper
84	100		
49	123.1	102.7	154.1
51	19.9	31.7	47.5#
86	47.7	53.9	80.9#



#30
Chloroform
Concen: 0.470 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

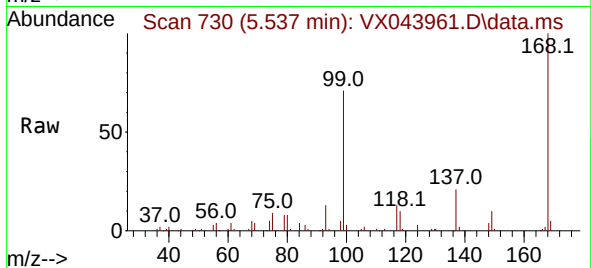
Tgt Ion:	83	Resp:	1322
Ion	Ratio	Lower	Upper
83	100		
85	57.6	53.5	80.3



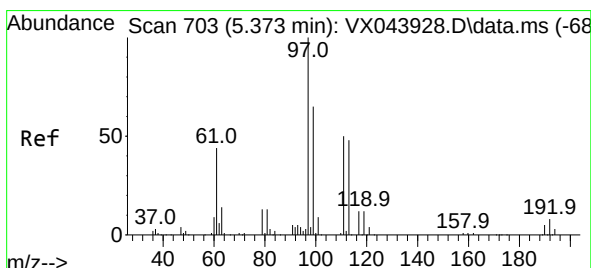
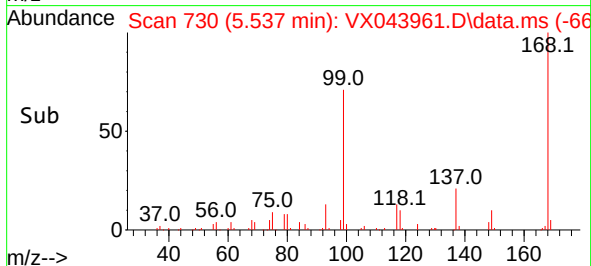
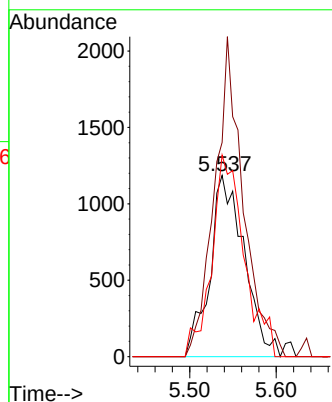


#31
Cyclohexane
Concen: 1.509 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

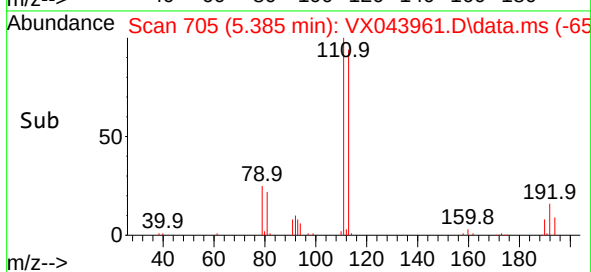
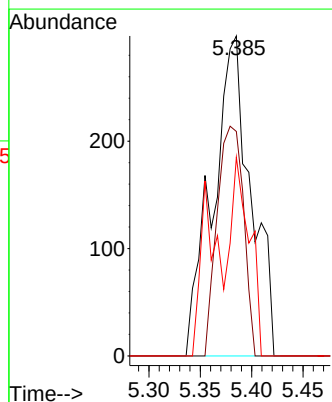
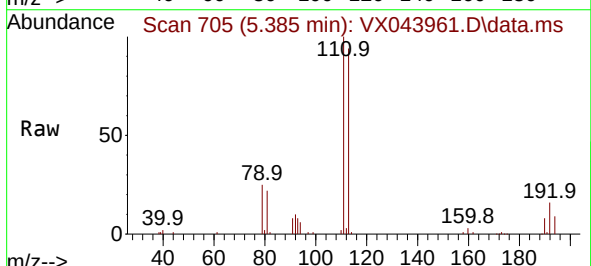


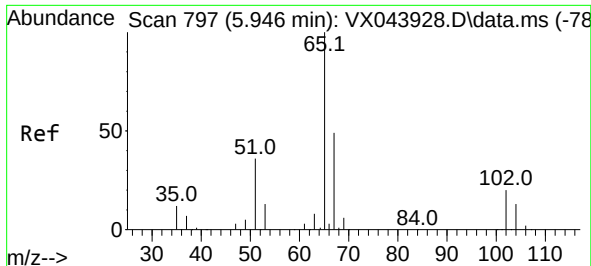
Tgt Ion: 56 Resp: 3250
Ion Ratio Lower Upper
56 100
69 118.2 24.7 37.1#
84 111.2 68.7 103.1#



#32
1,1,1-Trichloroethane
Concen: 0.317 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.012 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Tgt Ion: 97 Resp: 770
Ion Ratio Lower Upper
97 100
99 0.0 50.8 76.2#
61 30.9 35.4 53.2#





#33

1,2-Dichloroethane-d4

Concen: 51.736 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX043961.D

Acq: 22 Nov 2024 15:43

Instrument :

MSVOA_X

ClientSampleId :

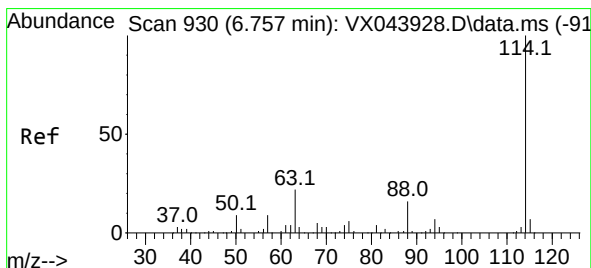
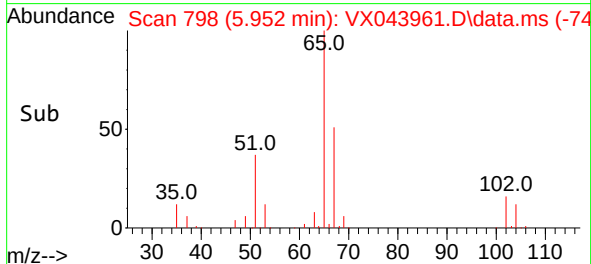
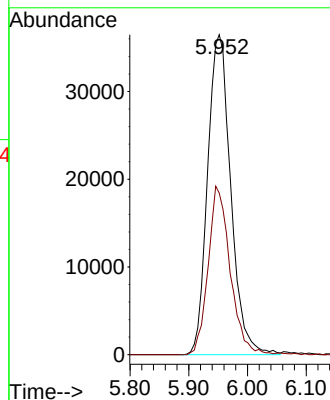
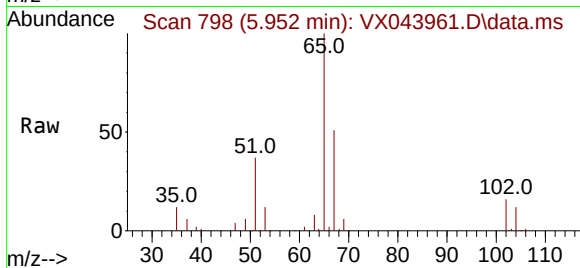
FSND-MW-EVAL-04S-20241113

Tgt Ion: 65 Resp: 99949

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043961.D

Acq: 22 Nov 2024 15:43

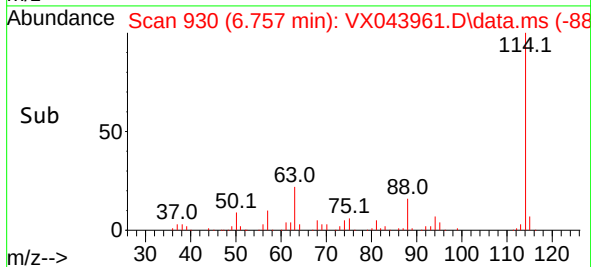
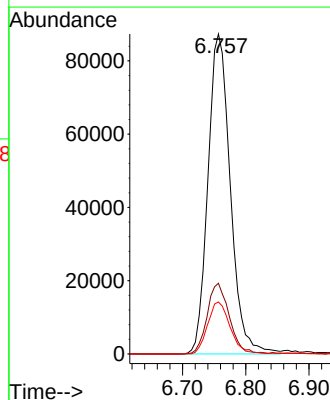
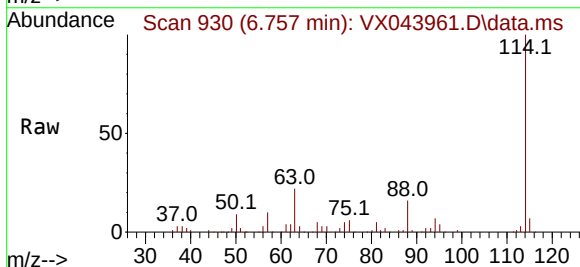
Tgt Ion: 114 Resp: 215010

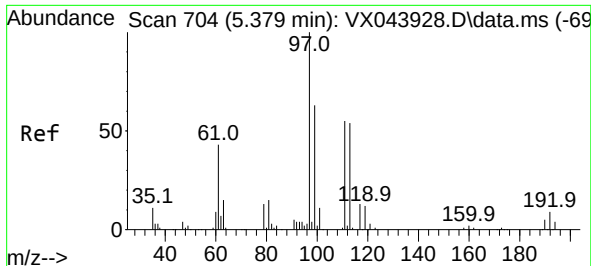
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.0

88 16.3 0.0 32.4

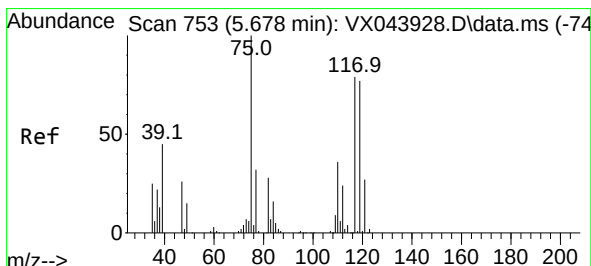
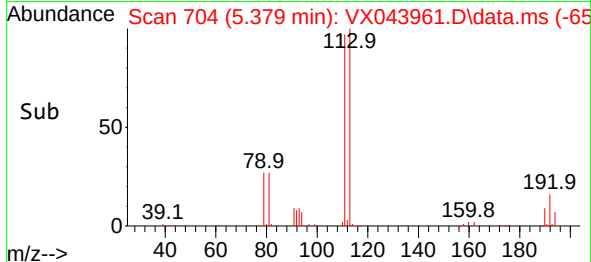
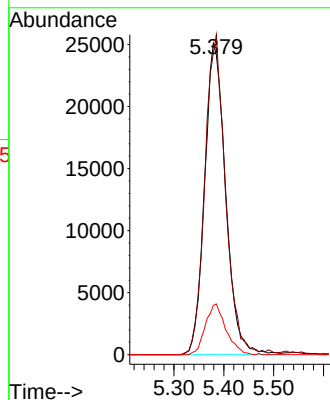
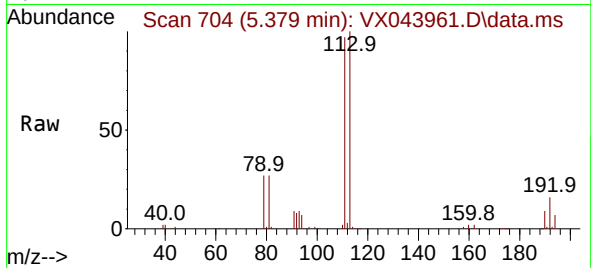




#35
Dibromofluoromethane
Concen: 48.026 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

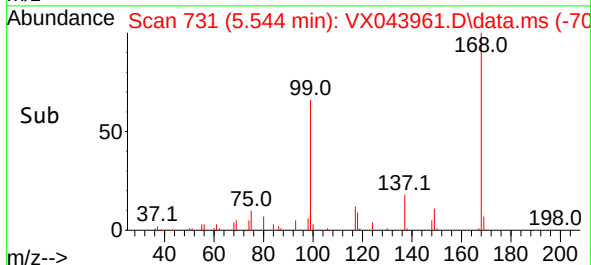
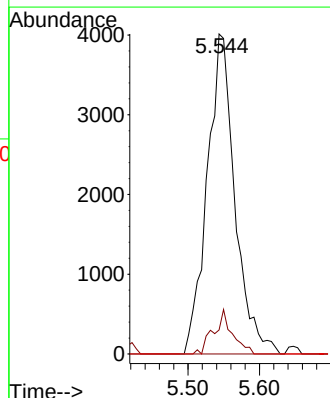
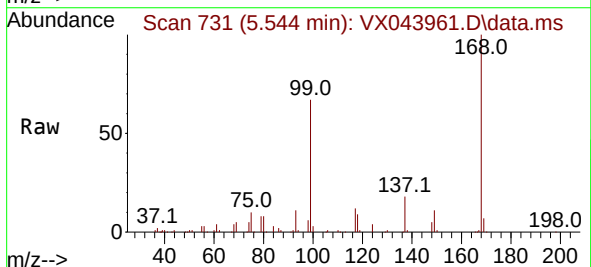
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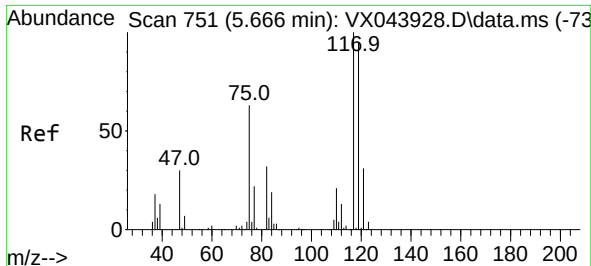
Tgt Ion:113 Resp: 73785
Ion Ratio Lower Upper
113 100
111 100.2 81.0 121.4
192 15.9 13.0 19.6



#36
1,1-Dichloropropene
Concen: 5.644 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Tgt Ion: 75 Resp: 10806
Ion Ratio Lower Upper
75 100
110 9.3 17.4 52.2#
77 0.0 25.8 38.8#

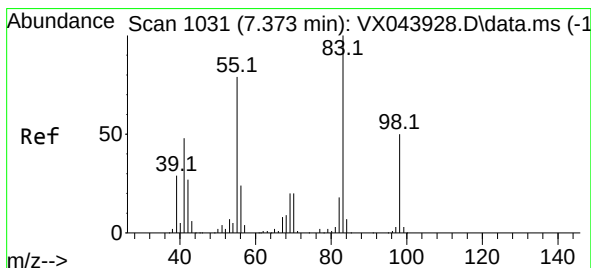
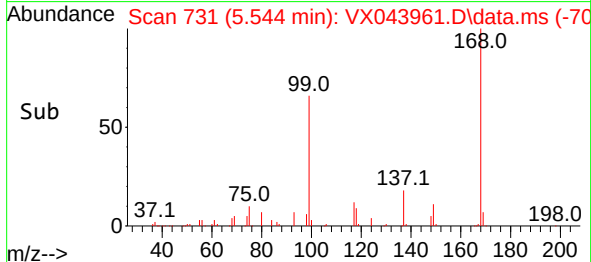
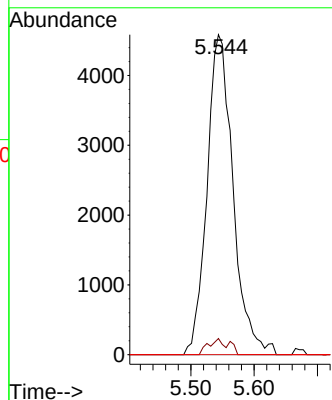
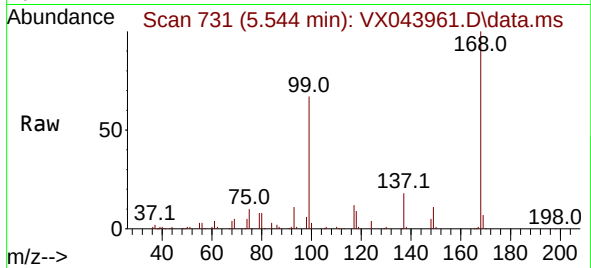




#38
Carbon Tetrachloride
Concen: 6.090 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

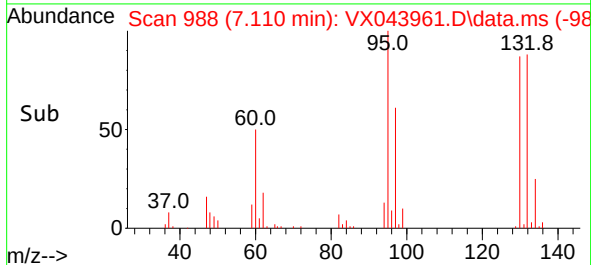
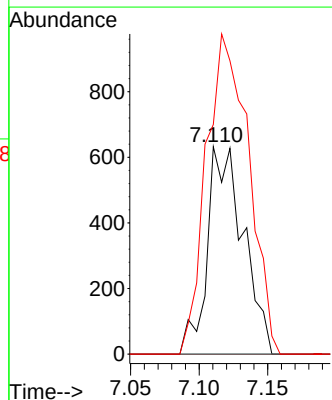
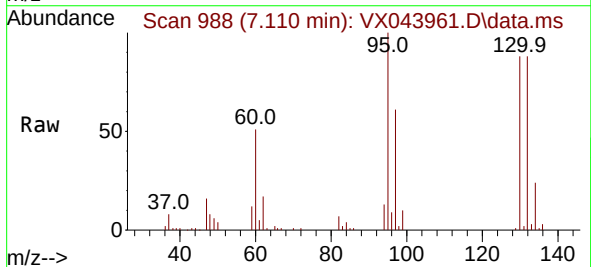
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

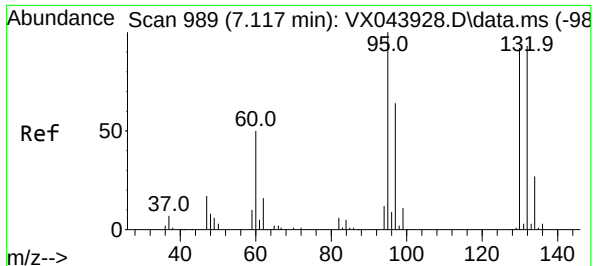
Tgt Ion:117 Resp: 13101
Ion Ratio Lower Upper
117 100
119 5.1 75.2 112.8#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 0.464 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.262 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Tgt Ion: 83 Resp: 1155
Ion Ratio Lower Upper
83 100
55 0.0 63.1 94.7#
98 110.8 40.0 60.0#

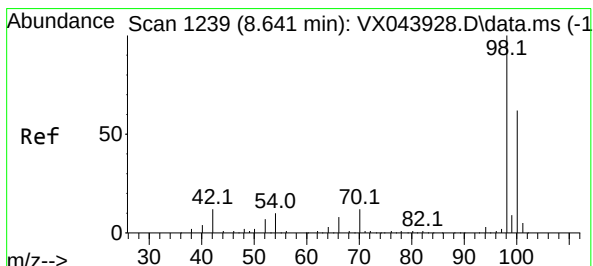
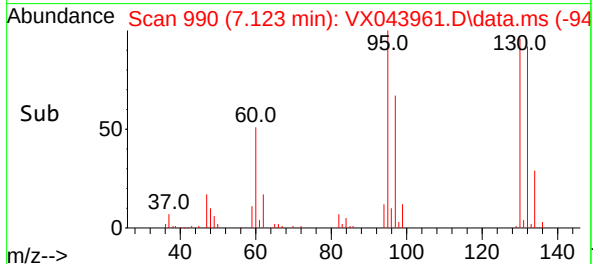
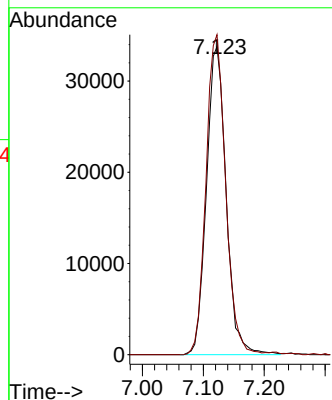
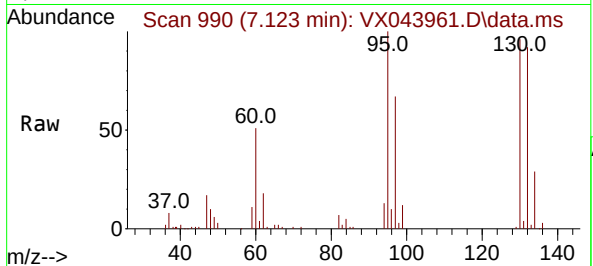




#44
Trichloroethene
Concen: 44.899 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

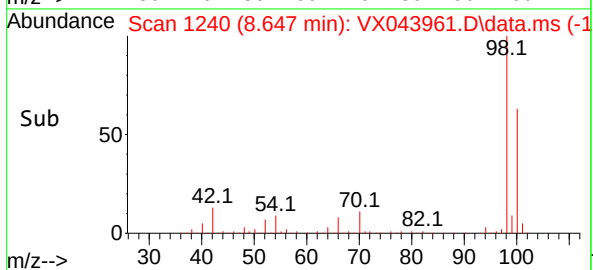
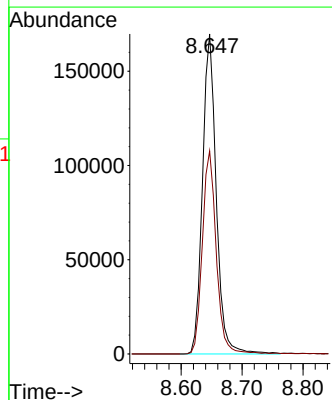
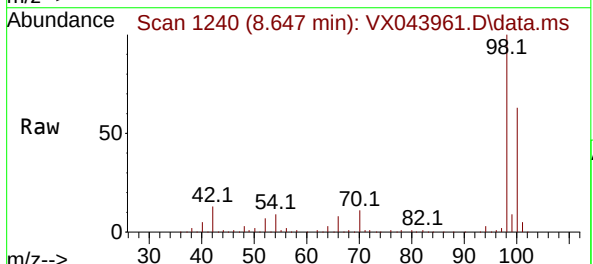
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

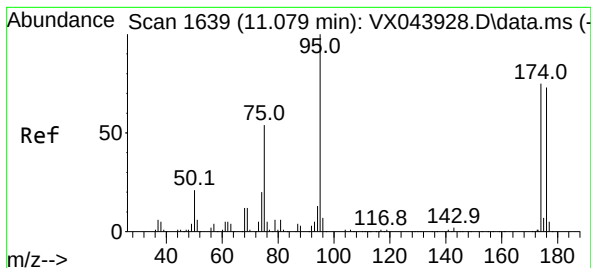
Tgt Ion:130 Resp: 75798
Ion Ratio Lower Upper
130 100
95 103.9 0.0 217.8



#50
Toluene-d8
Concen: 50.430 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Tgt Ion: 98 Resp: 267075
Ion Ratio Lower Upper
98 100
100 64.2 52.6 79.0

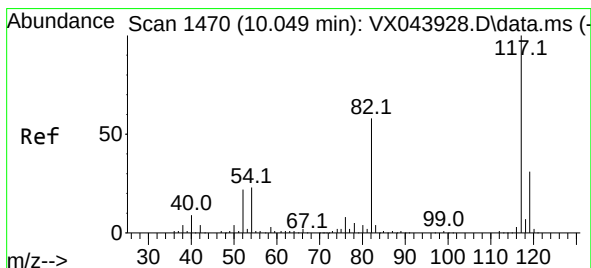
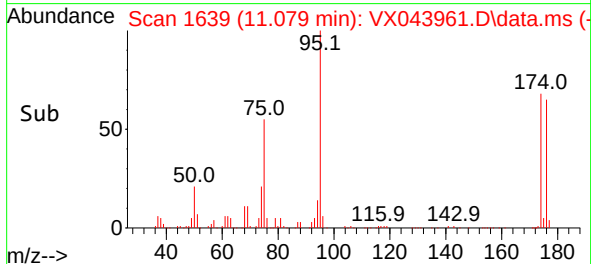
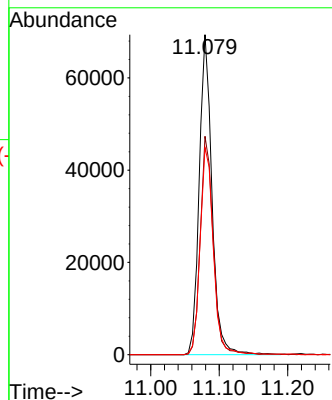
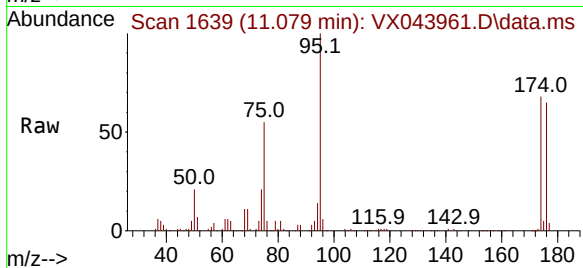




#62
4-Bromofluorobenzene
Concen: 49.873 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

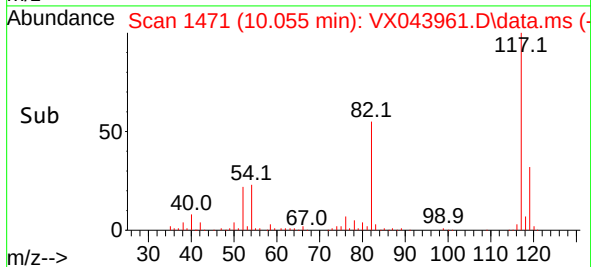
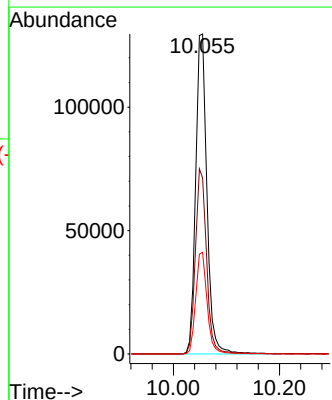
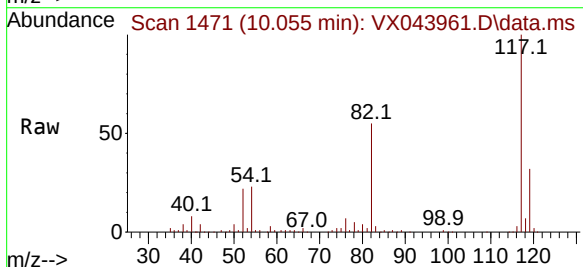
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

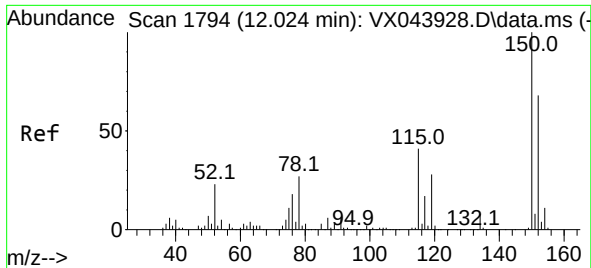
Tgt Ion: 95 Resp: 89890
Ion Ratio Lower Upper
95 100
174 69.2 0.0 150.4
176 67.4 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Tgt Ion: 117 Resp: 191411
Ion Ratio Lower Upper
117 100
82 55.0 46.4 69.6
119 31.8 24.6 37.0

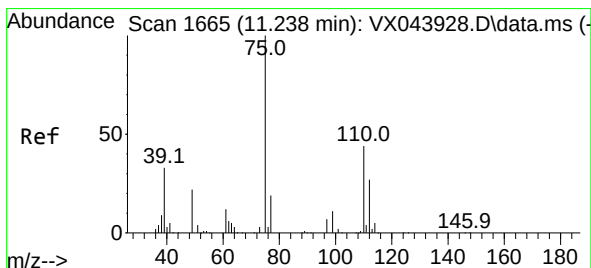
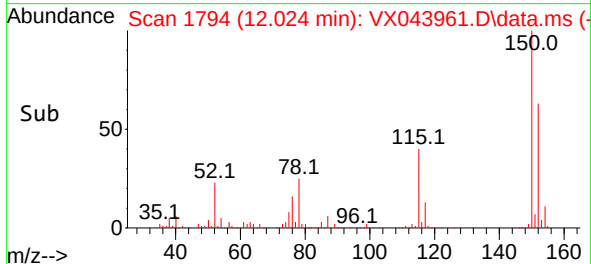
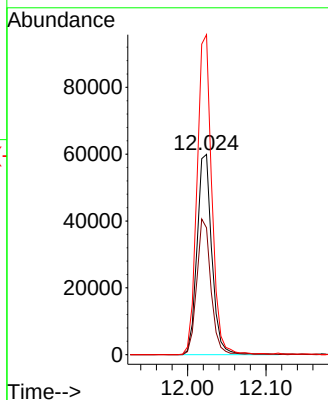
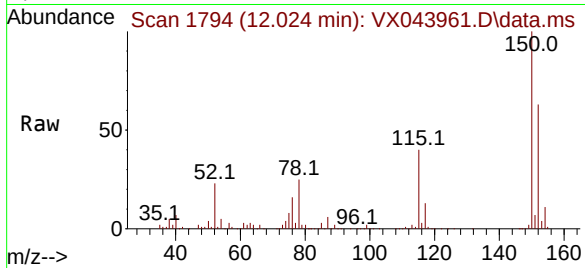




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

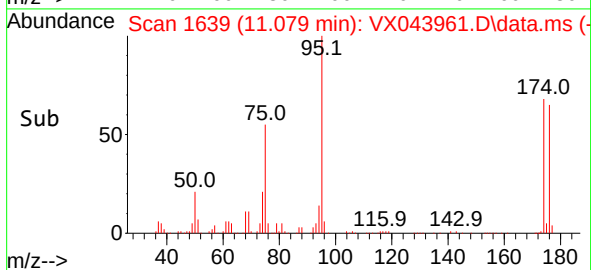
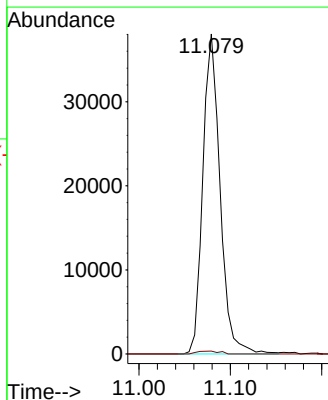
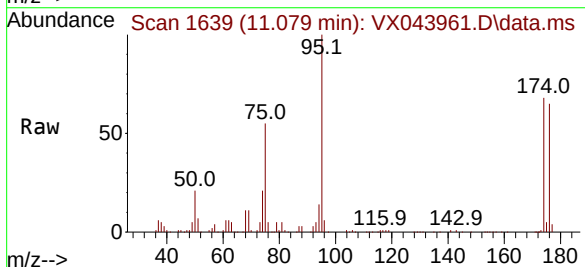
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-EVAL-04S-20241113

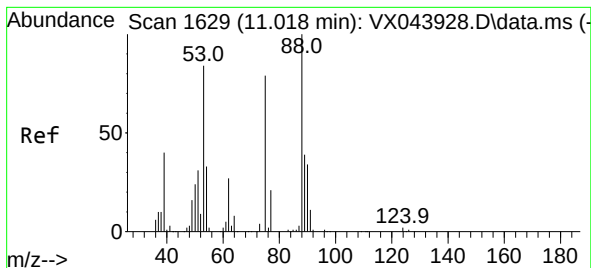
Tgt Ion:152 Resp: 79010
Ion Ratio Lower Upper
152 100
115 64.9 45.4 136.2
150 158.5 0.0 353.0



#76
1,2,3-Trichloropropane
Concen: 28.742 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043961.D
Acq: 22 Nov 2024 15:43

Tgt Ion: 75 Resp: 49800
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 78.429 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX043961.D

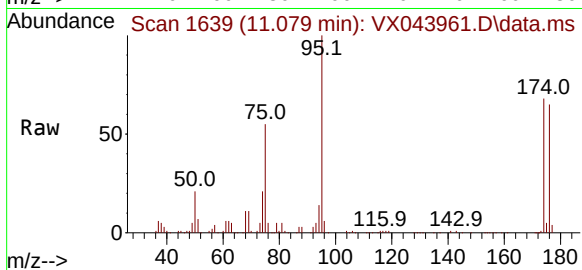
Acq: 22 Nov 2024 15:43

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-EVAL-04S-20241113



Tgt Ion: 75 Resp: 49800

Ion Ratio Lower Upper

75 100

53 0.0 86.7 130.1#

89 0.0 38.2 57.2#

