

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032365.D
 Acq On : 25 Oct 2022 15:36
 Operator : JC/MD
 Sample : N5249-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-29-20221019

Quant Time: Oct 27 14:17:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

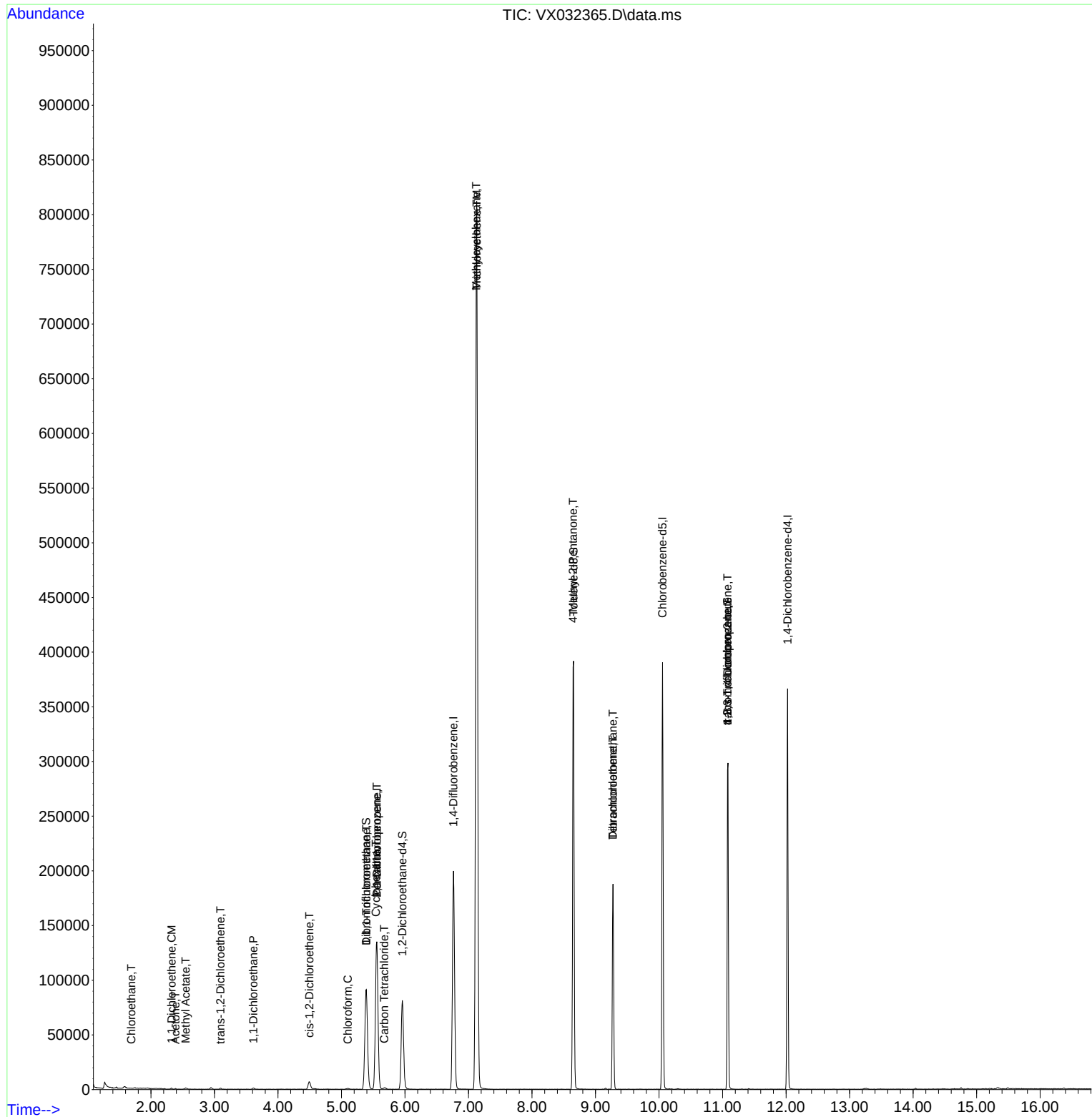
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	127507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	200798	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	171471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79856	48.143	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.280%
35) Dibromofluoromethane	5.385	113	65250	46.698	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.400%
50) Toluene-d8	8.653	98	234701	46.662	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.320%
62) 4-Bromofluorobenzene	11.079	95	77418	42.033	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.060%
Target Compounds						
					Qvalue	
3) Chloromethane	1.276	50	193	Below Cal	#	44
6) Chloroethane	1.691	64	101	2.030	ug/l #	41
11) Tert butyl alcohol	2.946	59	925	Below Cal	#	74
12) 1,1-Dichloroethene	2.325	96	324	0.285	ug/l	94
16) Acetone	2.386	43	676	1.256	ug/l	97
18) Methyl Acetate	2.544	43	439	0.240	ug/l #	50
21) trans-1,2-Dichloroethene	3.093	96	470	0.379	ug/l #	73
24) 1,1-Dichloroethane	3.611	63	1518	0.671	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	4718	3.251	ug/l	89
30) Chloroform	5.099	83	1258	0.511	ug/l #	82
31) Cyclohexane	5.544	56	2831	1.493	ug/l #	29
32) 1,1,1-Trichloroethane	5.391	97	16104	7.672	ug/l	97
36) 1,1-Dichloropropene	5.556	75	9671	5.381	ug/l #	49
38) Carbon Tetrachloride	5.672	117	1314	0.693	ug/l #	86
39) Methylcyclohexane	7.123	83	3850	1.793	ug/l #	1
44) Trichloroethene	7.129	130	307946	214.663	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	1004	0.580	ug/l #	1
60) Dibromochloromethane	9.275	129	33123	23.575	ug/l #	11
64) Tetrachloroethene	9.275	164	33766	29.821	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	41587	29.050	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	41587	88.987	ug/l #	6

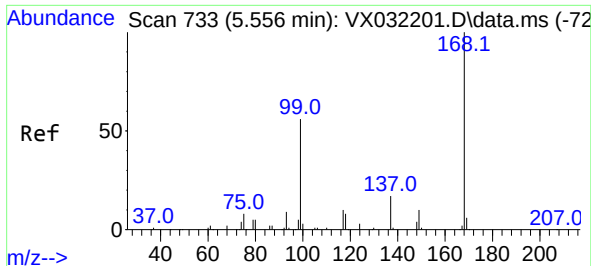
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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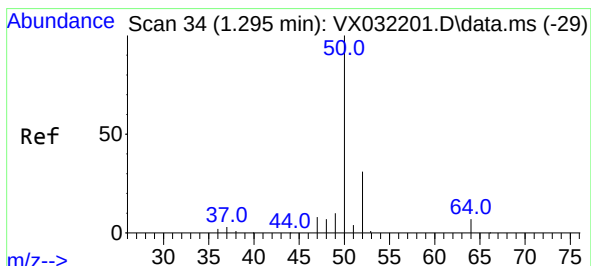
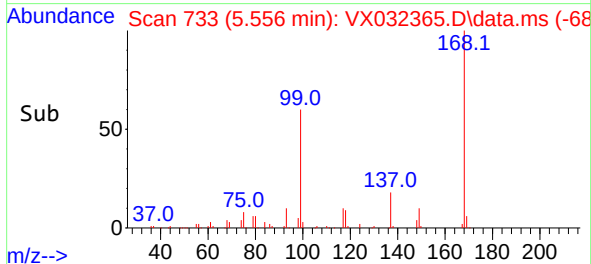
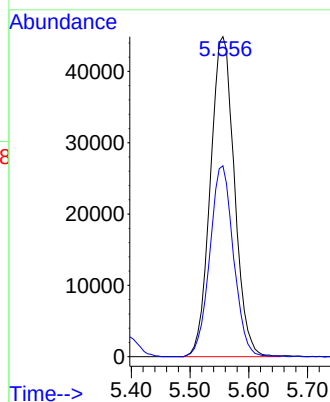
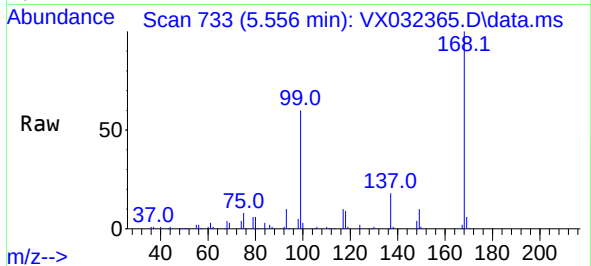




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

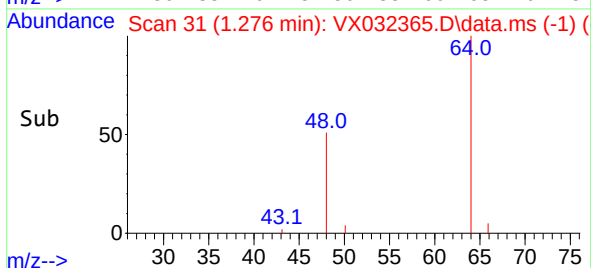
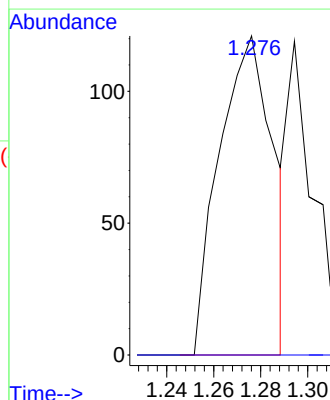
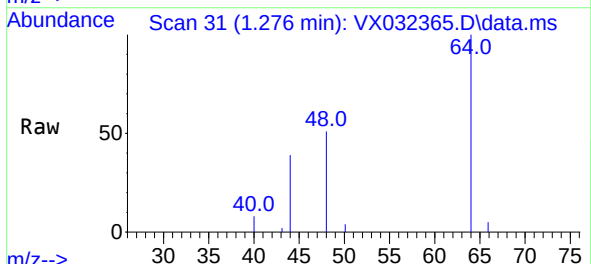
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20221019

Tgt Ion:168 Resp: 127507
Ion Ratio Lower Upper
168 100
99 59.7 44.8 67.2

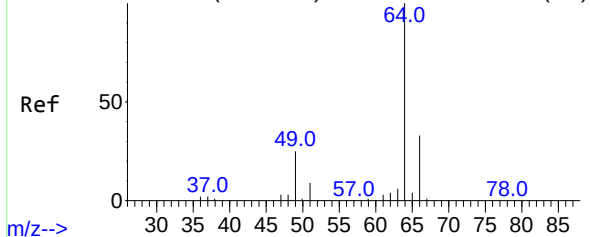


#3
Chloromethane
Concen: Below Cal
RT: 1.276 min Scan# 31
Delta R.T. -0.019 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Tgt Ion: 50 Resp: 193
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



Abundance Scan 98 (1.685 min): VX032201.D\data.ms (-89)



#6

Chloroethane

Concen: 2.030 ug/l

RT: 1.691 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX032365.D

Acq: 25 Oct 2022 15:36

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-29-20221019

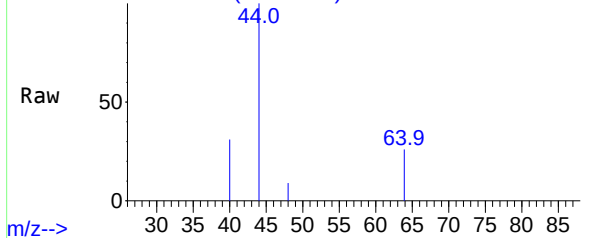
Tgt Ion: 64 Resp: 101

Ion Ratio Lower Upper

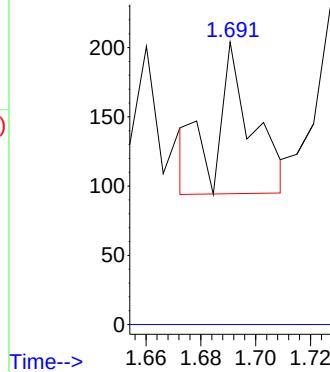
64 100

66 0.0 26.6 39.8#

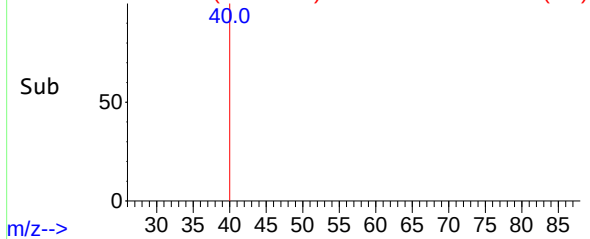
Abundance Scan 99 (1.691 min): VX032365.D\data.ms



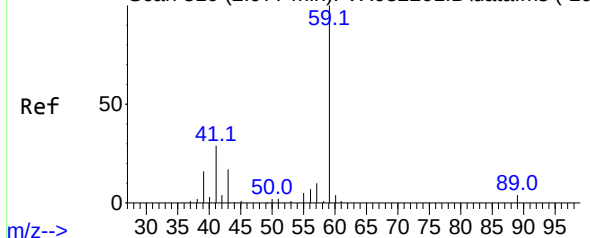
Abundance



Abundance Scan 99 (1.691 min): VX032365.D\data.ms (-49)



Abundance Scan 310 (2.977 min): VX032201.D\data.ms (-29)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 305

Delta R.T. -0.030 min

Lab File: VX032365.D

Acq: 25 Oct 2022 15:36

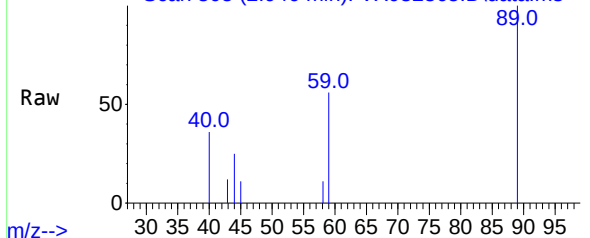
Tgt Ion: 59 Resp: 925

Ion Ratio Lower Upper

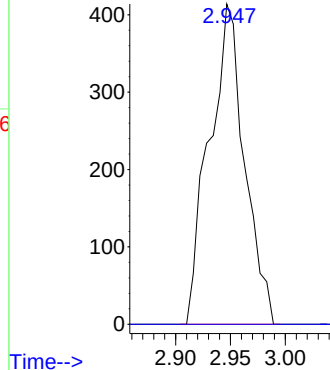
59 100

57 0.0 7.5 11.3#

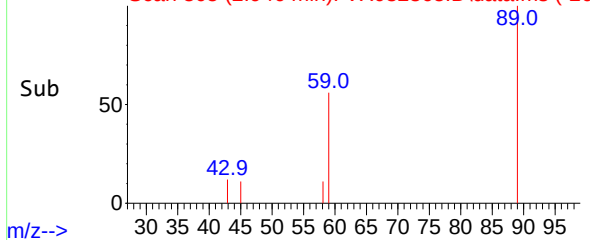
Abundance Scan 305 (2.946 min): VX032365.D\data.ms

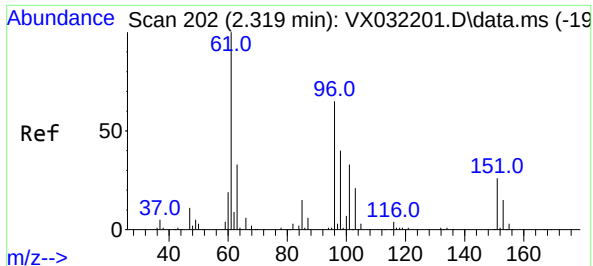


Abundance



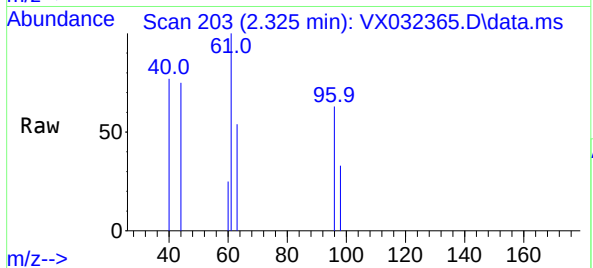
Abundance Scan 305 (2.946 min): VX032365.D\data.ms (-26)



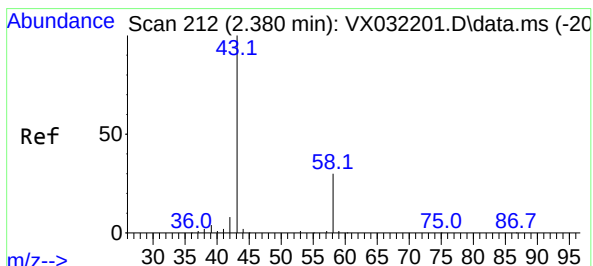
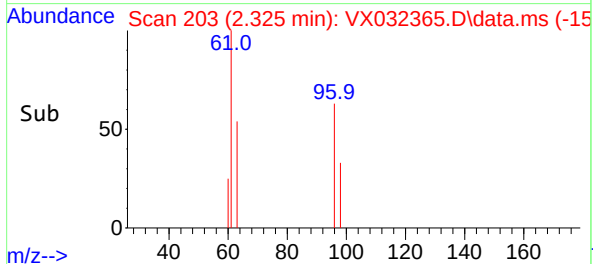
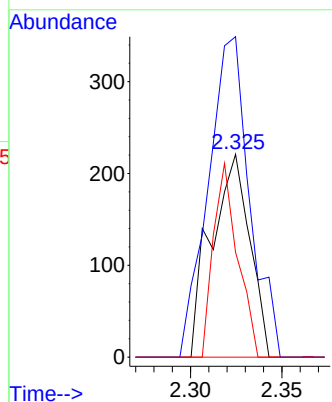


#12
1,1-Dichloroethene
Concen: 0.285 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20221019

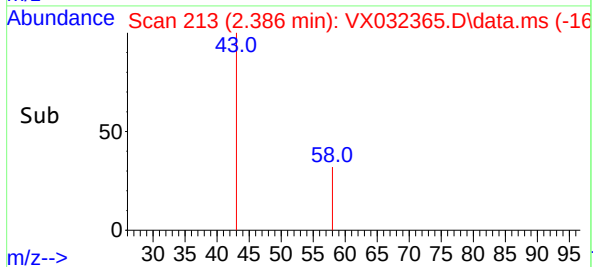
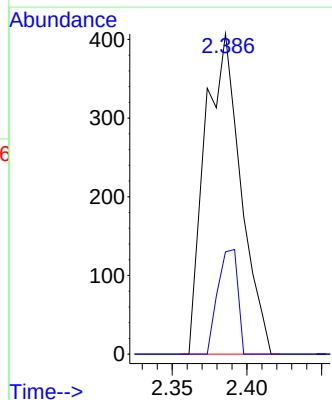
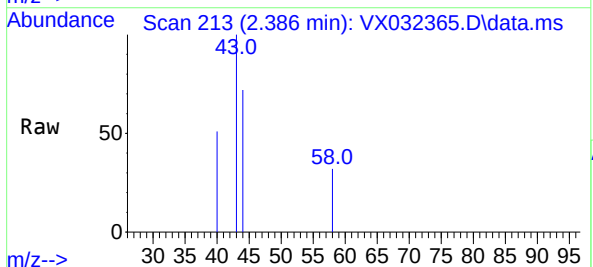


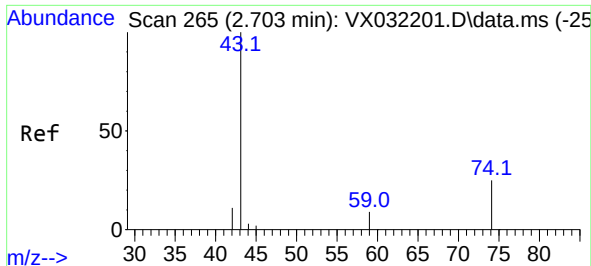
Tgt Ion: 96 Resp: 324
Ion Ratio Lower Upper
96 100
61 157.9 124.0 186.0
98 51.6 50.0 75.0



#16
Acetone
Concen: 1.256 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
58 31.9 24.2 36.2

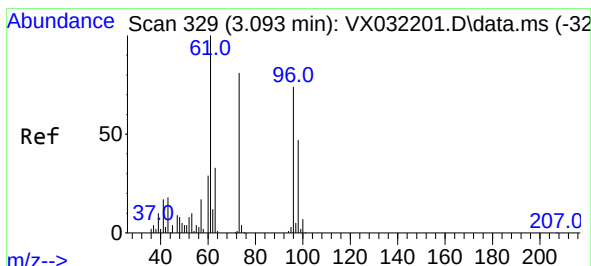
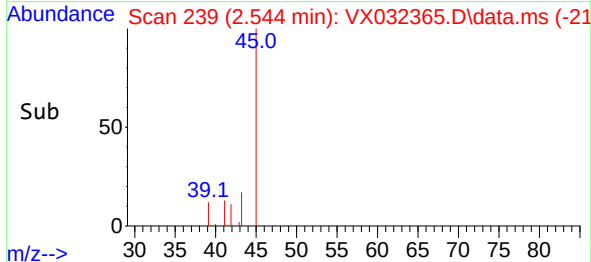
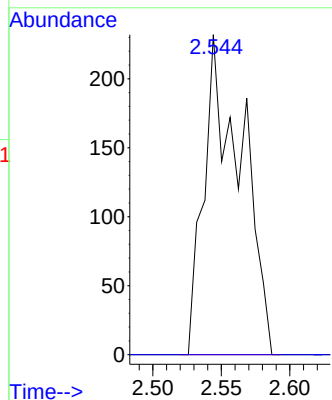
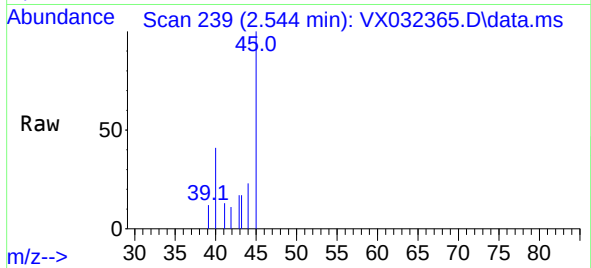




#18
Methyl Acetate
Concen: 0.240 ug/l
RT: 2.544 min Scan# 21
Delta R.T. -0.159 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

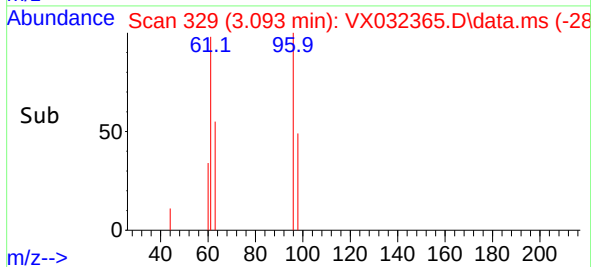
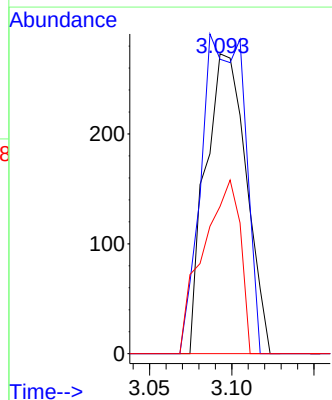
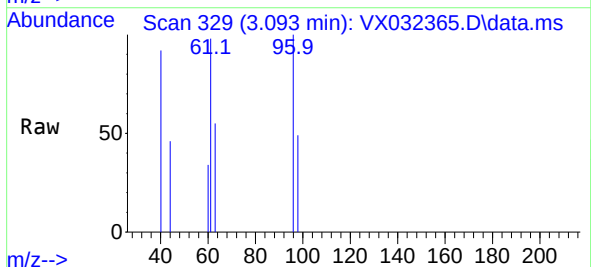
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20221019

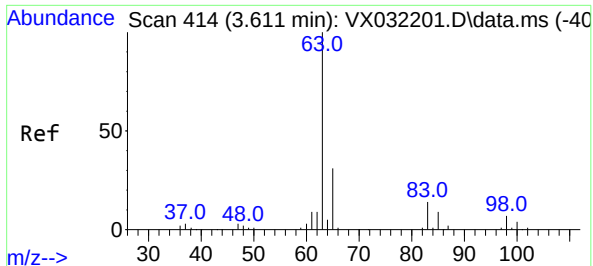
Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.8#



#21
trans-1,2-Dichloroethene
Concen: 0.379 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Tgt Ion: 96 Resp: 470
Ion Ratio Lower Upper
96 100
61 98.2 107.7 161.5#
98 49.1 50.2 75.4#

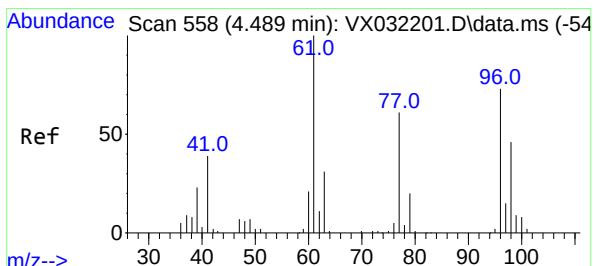
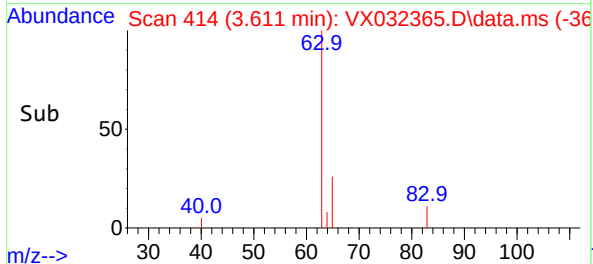
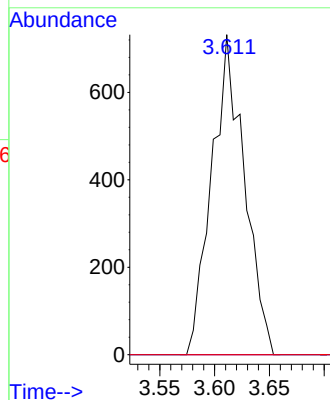
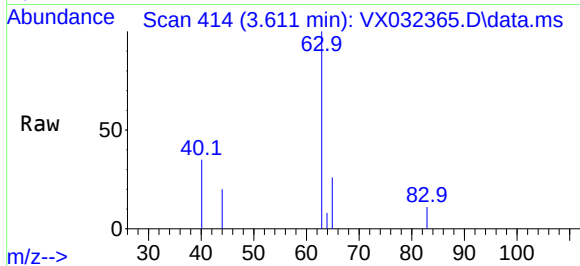




#24
1,1-Dichloroethane
Concen: 0.671 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

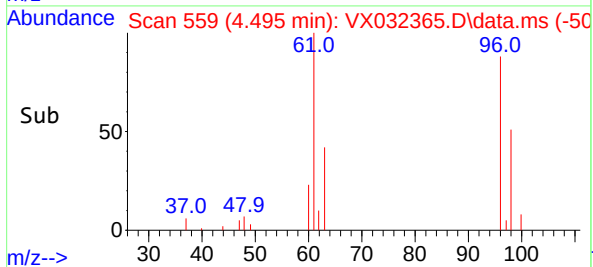
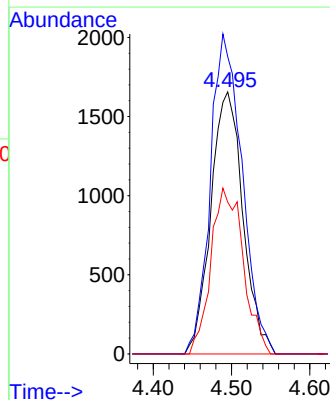
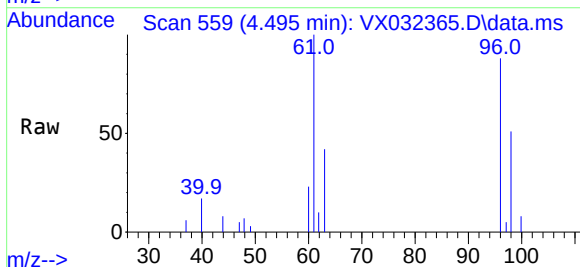
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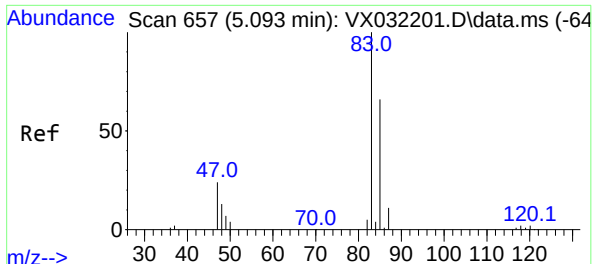
Tgt Ion: 63 Resp: 1518
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.9#
100 0.0 2.1 6.3#



#27
cis-1,2-Dichloroethene
Concen: 3.251 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Tgt Ion: 96 Resp: 4718
Ion Ratio Lower Upper
96 100
61 120.7 0.0 279.2
98 63.5 0.0 128.0

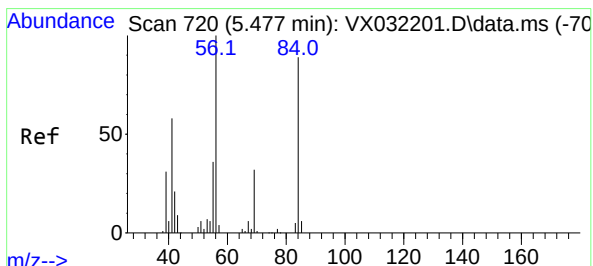
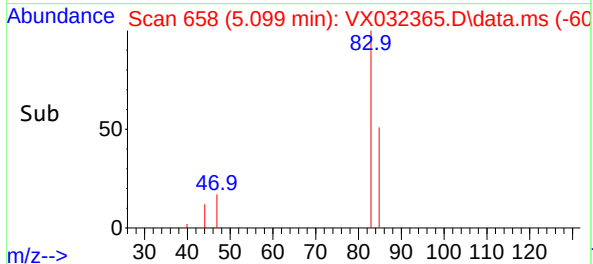
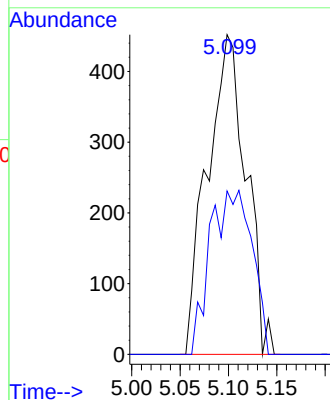
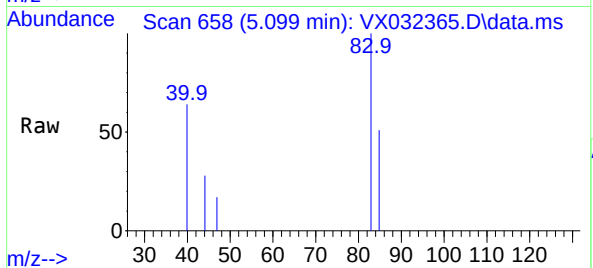




#30
Chloroform
Concen: 0.511 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

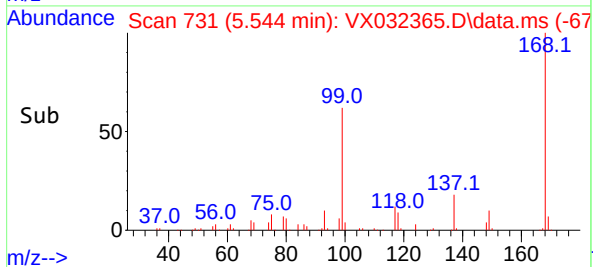
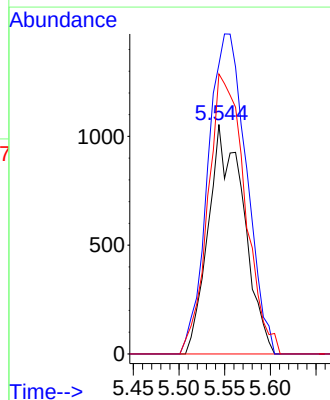
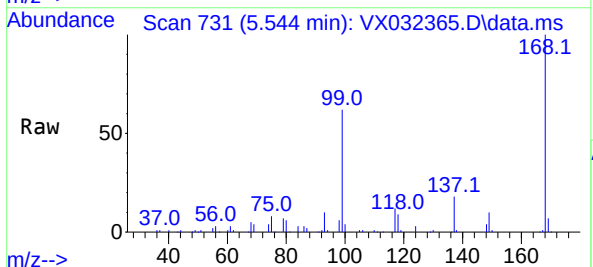
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FSND-MW-29-20221019

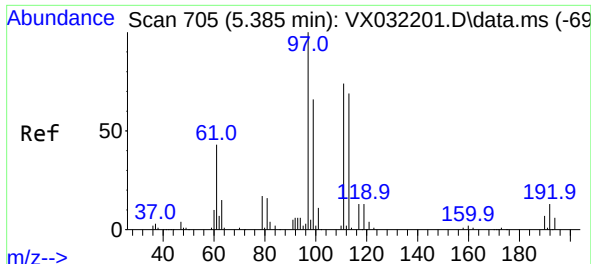
Tgt Ion: 83 Resp: 1258
Ion Ratio Lower Upper
83 100
85 51.1 52.5 78.7#



#31
Cyclohexane
Concen: 1.493 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.067 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Tgt Ion: 56 Resp: 2831
Ion Ratio Lower Upper
56 100
69 126.2 25.4 38.0#
84 122.0 71.2 106.8#



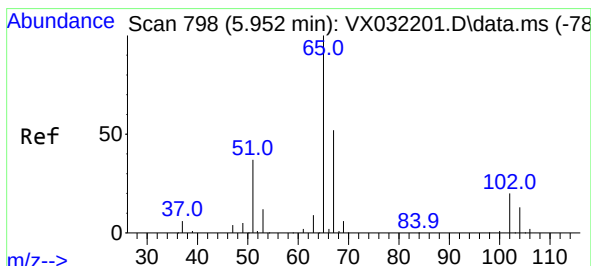
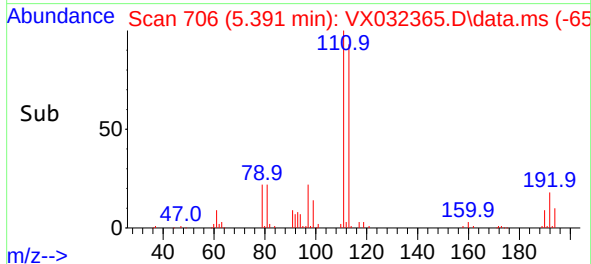
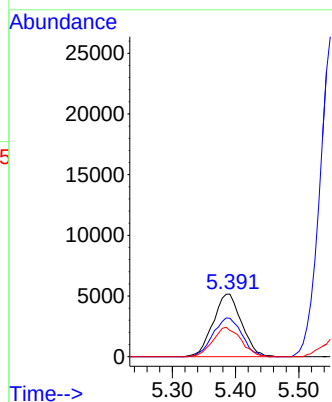
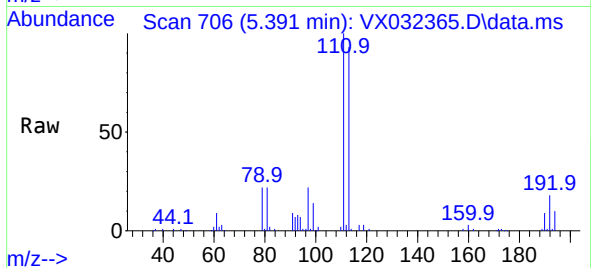


#32
1,1,1-Trichloroethane
Concen: 7.672 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20221019

Tgt Ion: 97 Resp: 16104

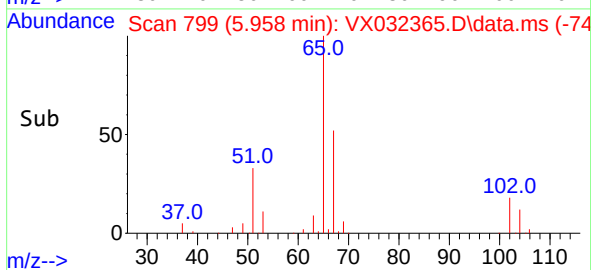
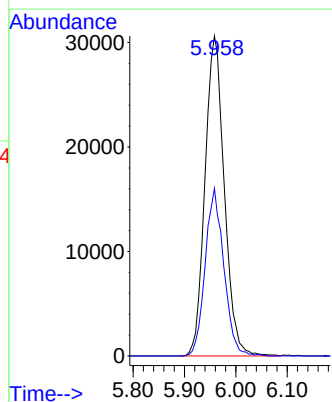
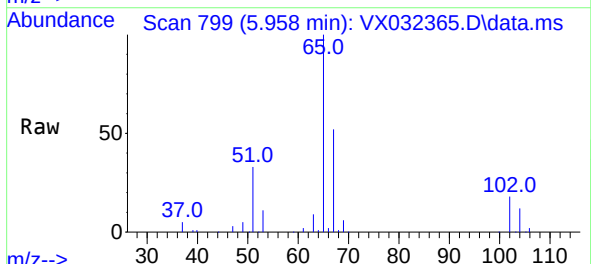
Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.8	77.8
61	46.4	35.7	53.5

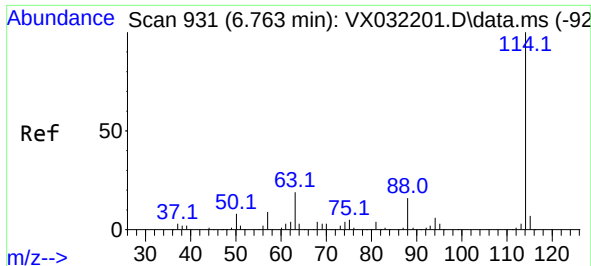


#33
1,2-Dichloroethane-d4
Concen: 48.143 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Tgt Ion: 65 Resp: 79856

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	103.6

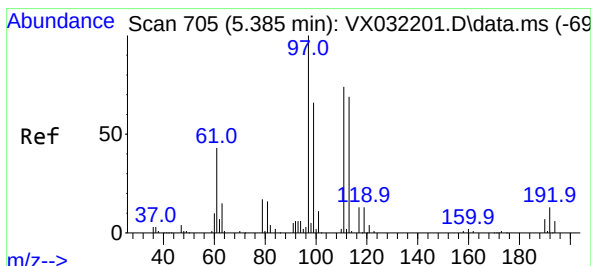
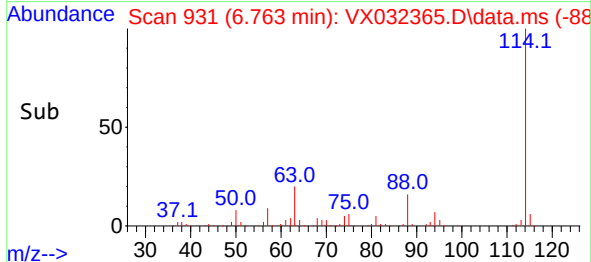
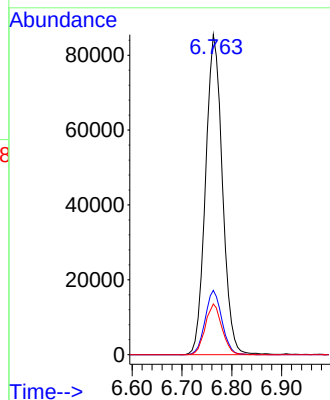
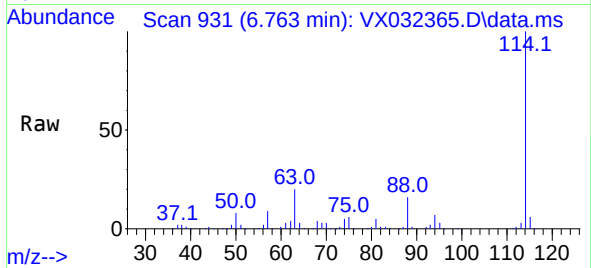




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

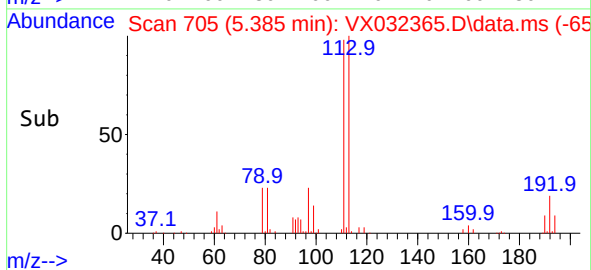
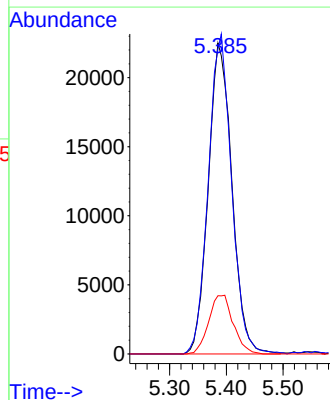
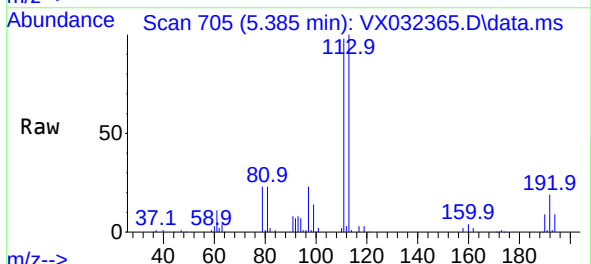
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20221019

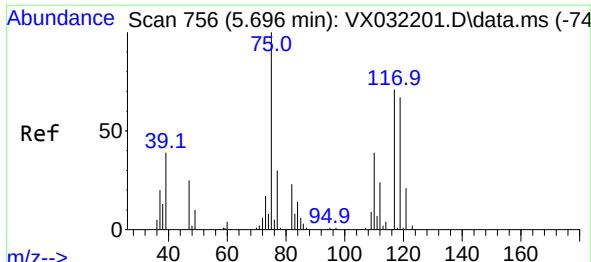
Tgt Ion:114 Resp: 200798
Ion Ratio Lower Upper
114 100
63 20.1 0.0 38.6
88 15.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 46.698 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Tgt Ion:113 Resp: 65250
Ion Ratio Lower Upper
113 100
111 101.2 82.8 124.2
192 19.6 15.5 23.3

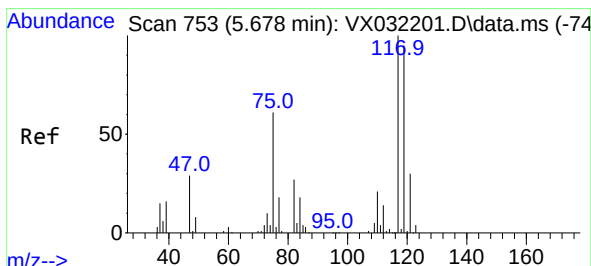
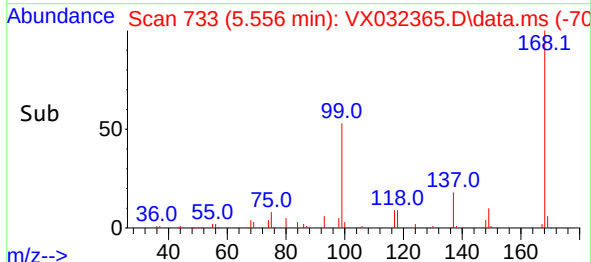
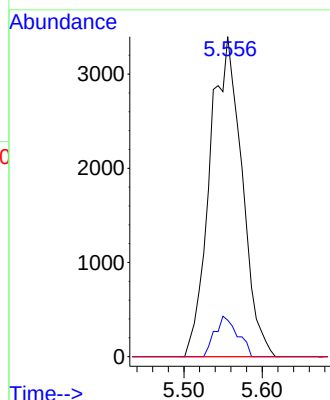
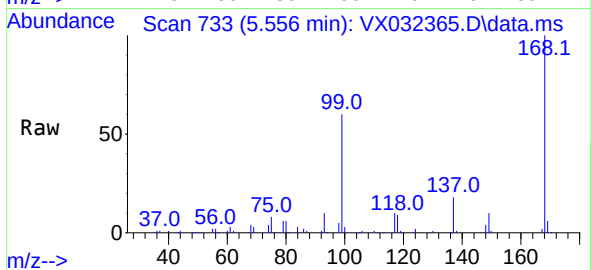




#36
1,1-Dichloropropene
Concen: 5.381 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

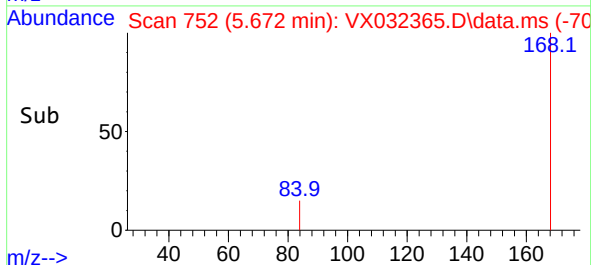
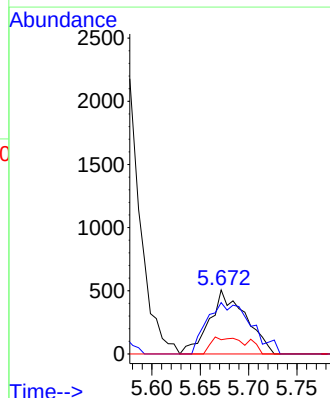
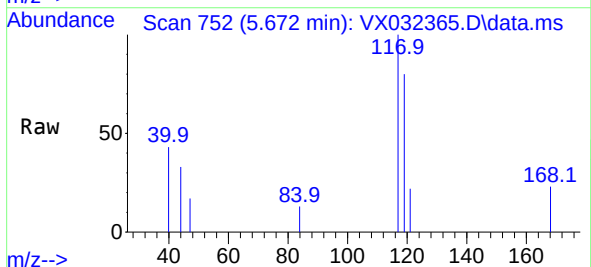
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20221019

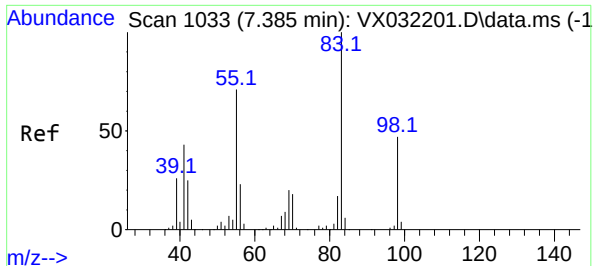
Tgt Ion: 75 Resp: 9671
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.0#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.693 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.006 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Tgt Ion: 117 Resp: 1314
Ion Ratio Lower Upper
117 100
119 80.2 75.4 113.0
121 22.3 23.9 35.9#





#39

Methylcyclohexane

Concen: 1.793 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.262 min

Lab File: VX032365.D

Acq: 25 Oct 2022 15:36

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-29-20221019

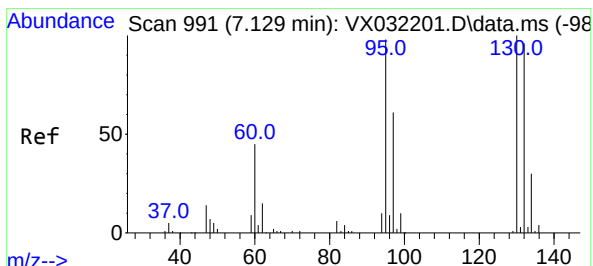
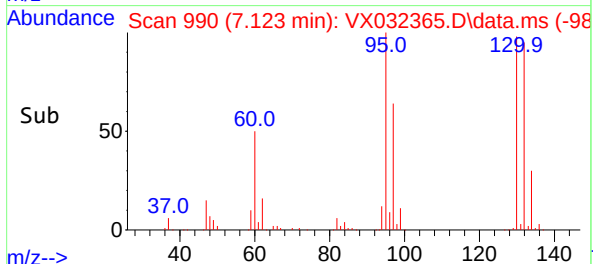
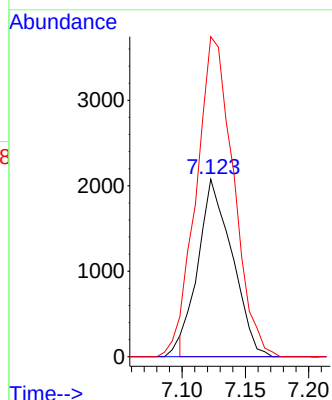
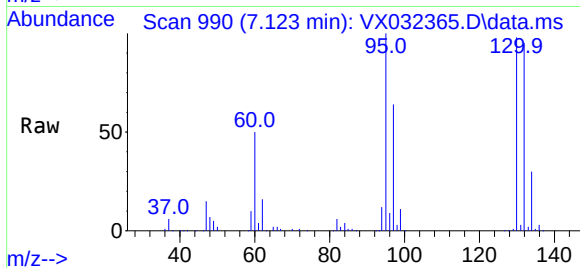
Tgt Ion: 83 Resp: 3850

Ion Ratio Lower Upper

83 100

55 0.0 56.6 85.0#

98 180.3 37.4 56.0#



#44

Trichloroethene

Concen: 214.663 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX032365.D

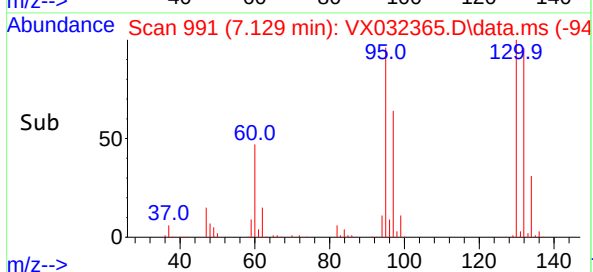
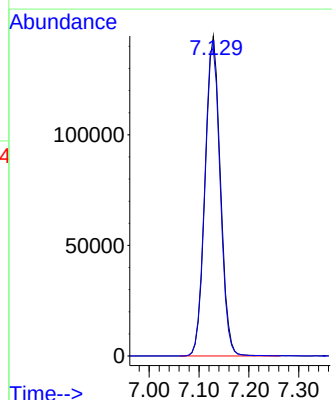
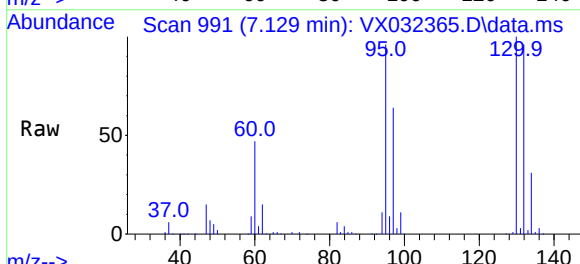
Acq: 25 Oct 2022 15:36

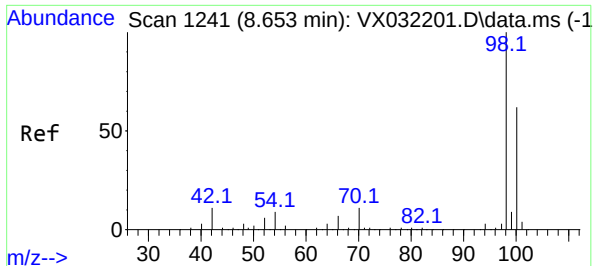
Tgt Ion:130 Resp: 307946

Ion Ratio Lower Upper

130 100

95 96.1 0.0 196.8

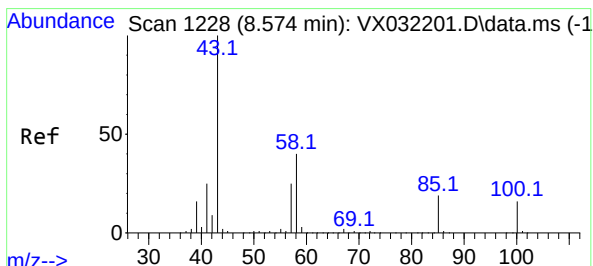
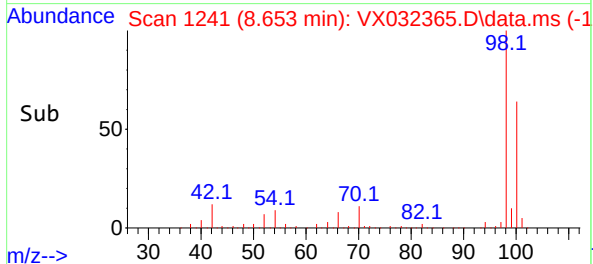
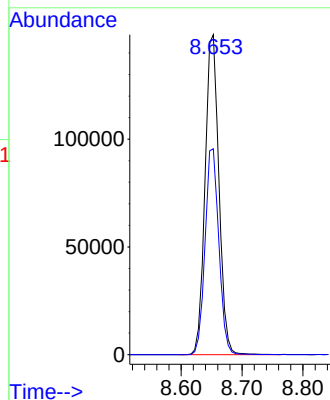
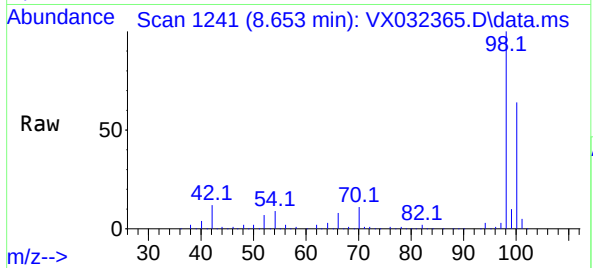




#50
Toluene-d8
Concen: 46.662 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

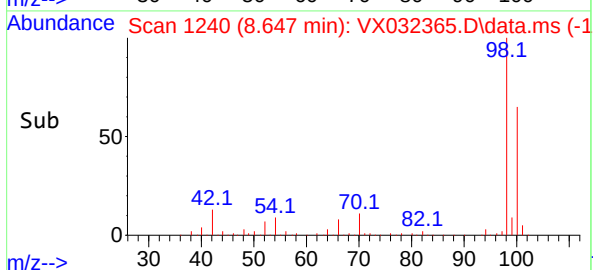
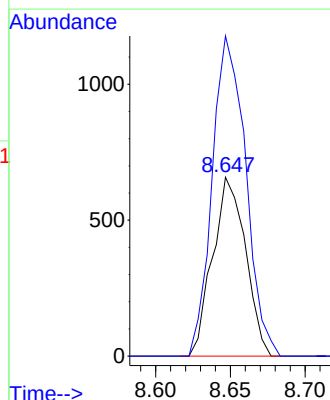
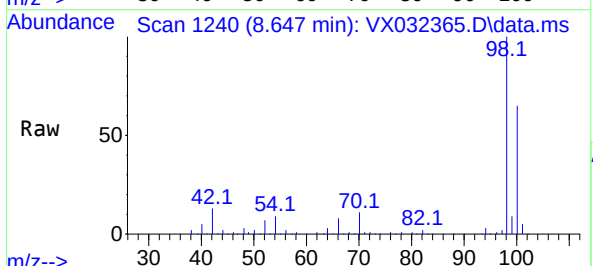
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20221019

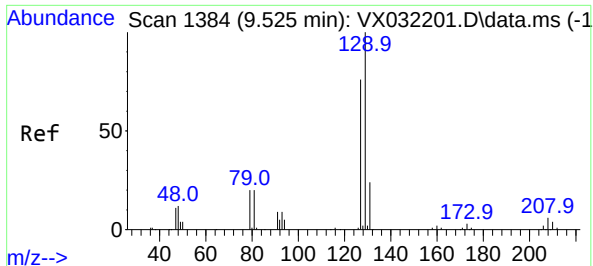
Tgt Ion: 98 Resp: 234701
Ion Ratio Lower Upper
98 100
100 64.2 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.580 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Tgt Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
58 182.4 31.0 46.4#

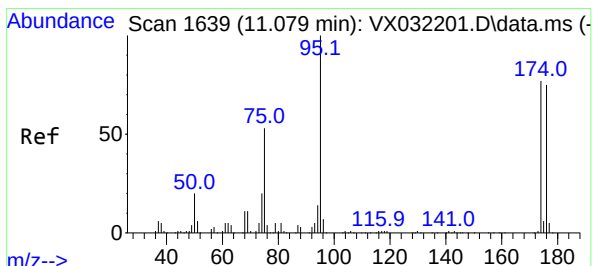
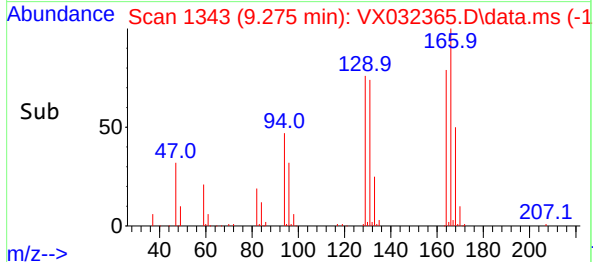
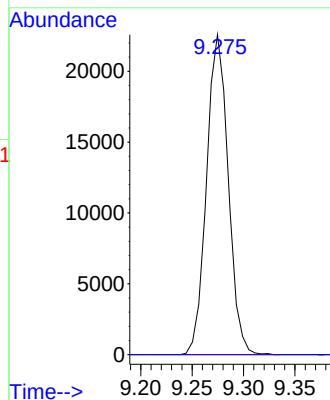
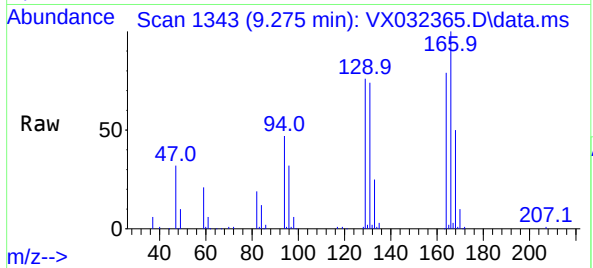




#60
Dibromochloromethane
Concen: 23.575 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

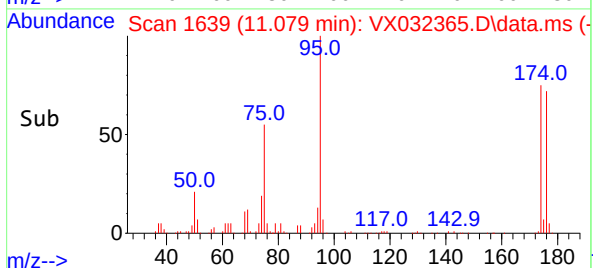
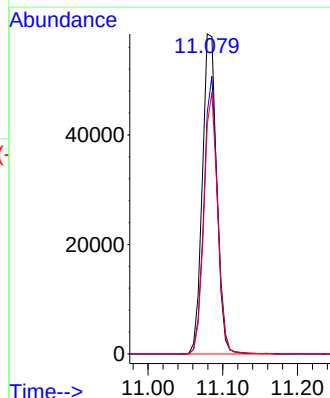
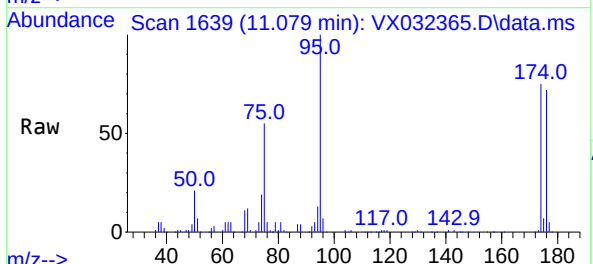
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20221019

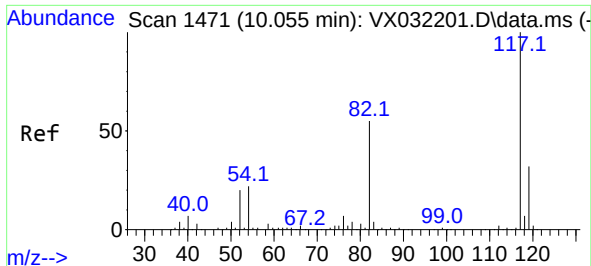
Tgt Ion:129 Resp: 33123
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 42.033 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Tgt Ion: 95 Resp: 77418
Ion Ratio Lower Upper
95 100
174 83.4 0.0 166.8
176 78.8 0.0 161.4



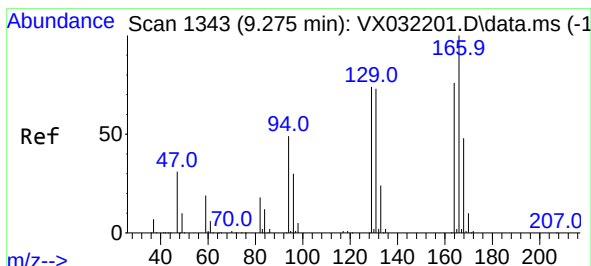
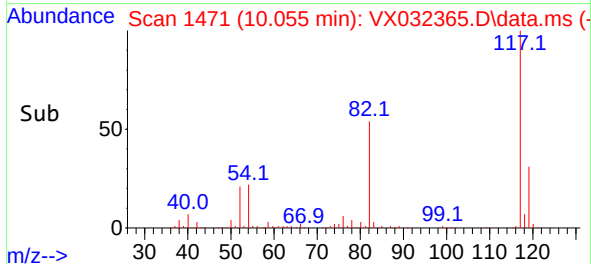
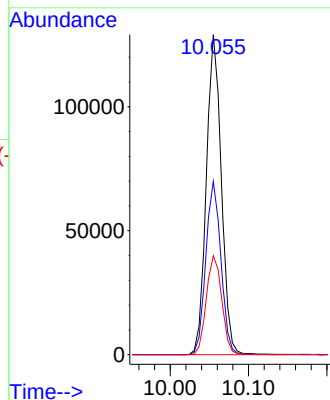
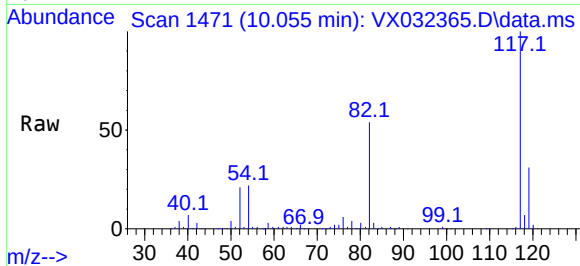


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20221019

Tgt Ion:117 Resp: 171471

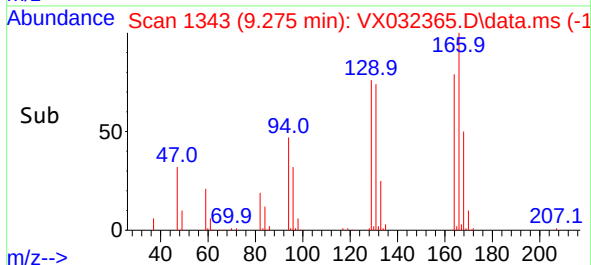
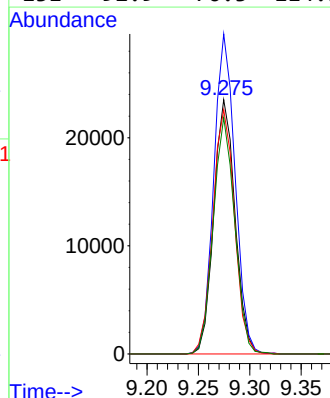
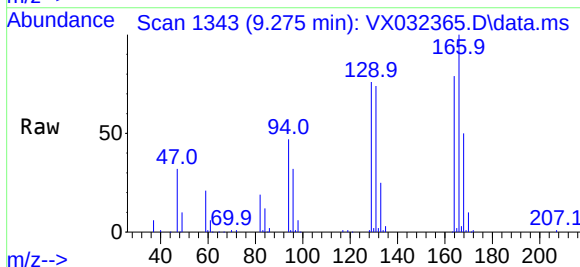
Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.4
119	30.9	25.8	38.8

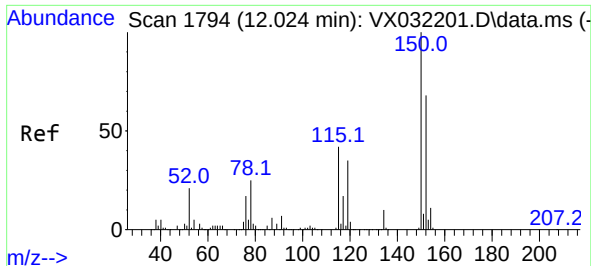


#64
Tetrachloroethene
Concen: 29.821 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Tgt Ion:164 Resp: 33766

Ion	Ratio	Lower	Upper
164	100		
166	125.9	104.9	157.3
129	96.0	77.8	116.6
131	92.9	76.3	114.5

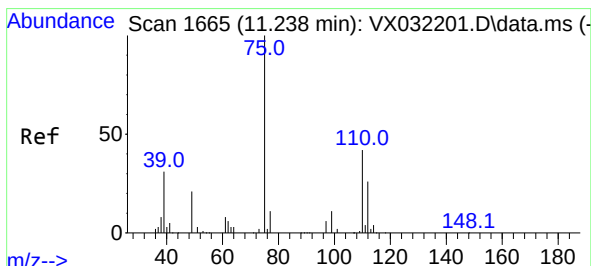
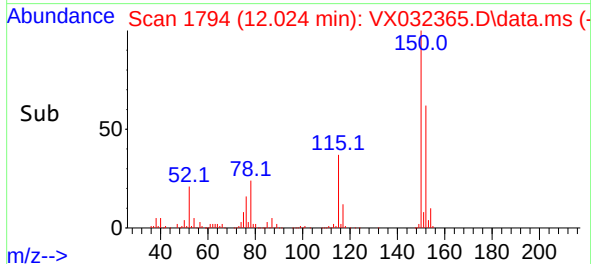
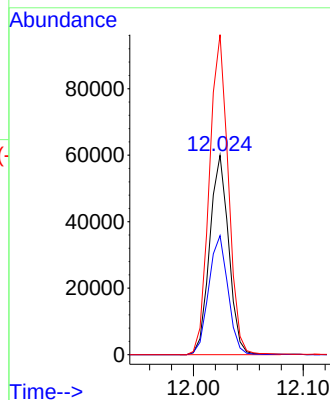
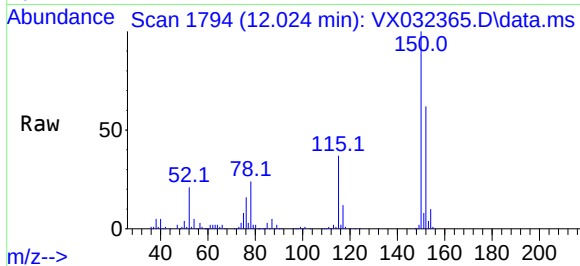




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

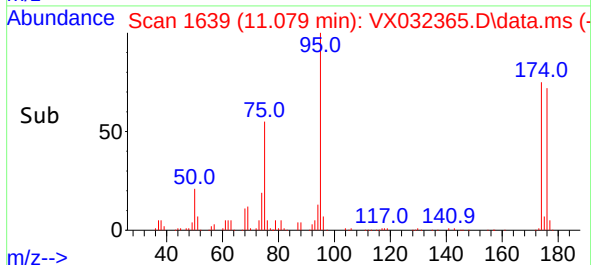
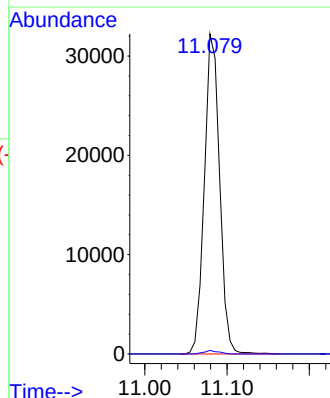
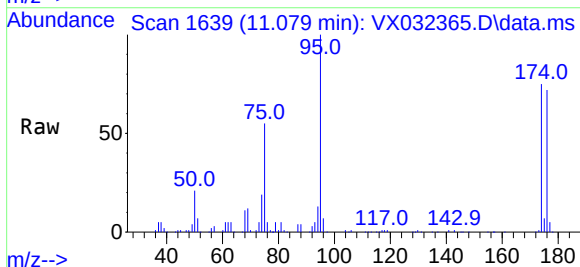
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-29-20221019

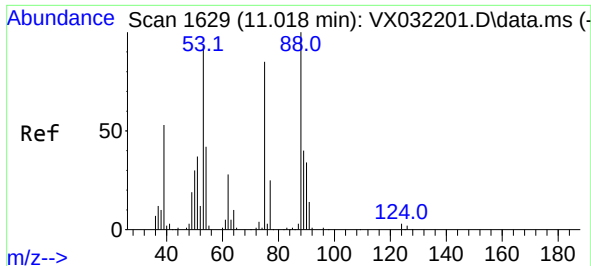
Tgt Ion:152 Resp: 72249
Ion Ratio Lower Upper
152 100
115 60.7 43.1 129.4
150 160.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 29.050 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032365.D
Acq: 25 Oct 2022 15:36

Tgt Ion: 75 Resp: 41587
Ion Ratio Lower Upper
75 100
77 1.0 16.0 47.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.987 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032365.D
 Acq: 25 Oct 2022 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-29-20221019

Tgt Ion: 75 Resp: 41587
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.8 131.8#
 89 0.0 37.8 56.8#

