

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032362.D
 Acq On : 25 Oct 2022 14:26
 Operator : JC/MD
 Sample : N5249-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-FD-02-20221019

Quant Time: Oct 27 14:17:12 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)

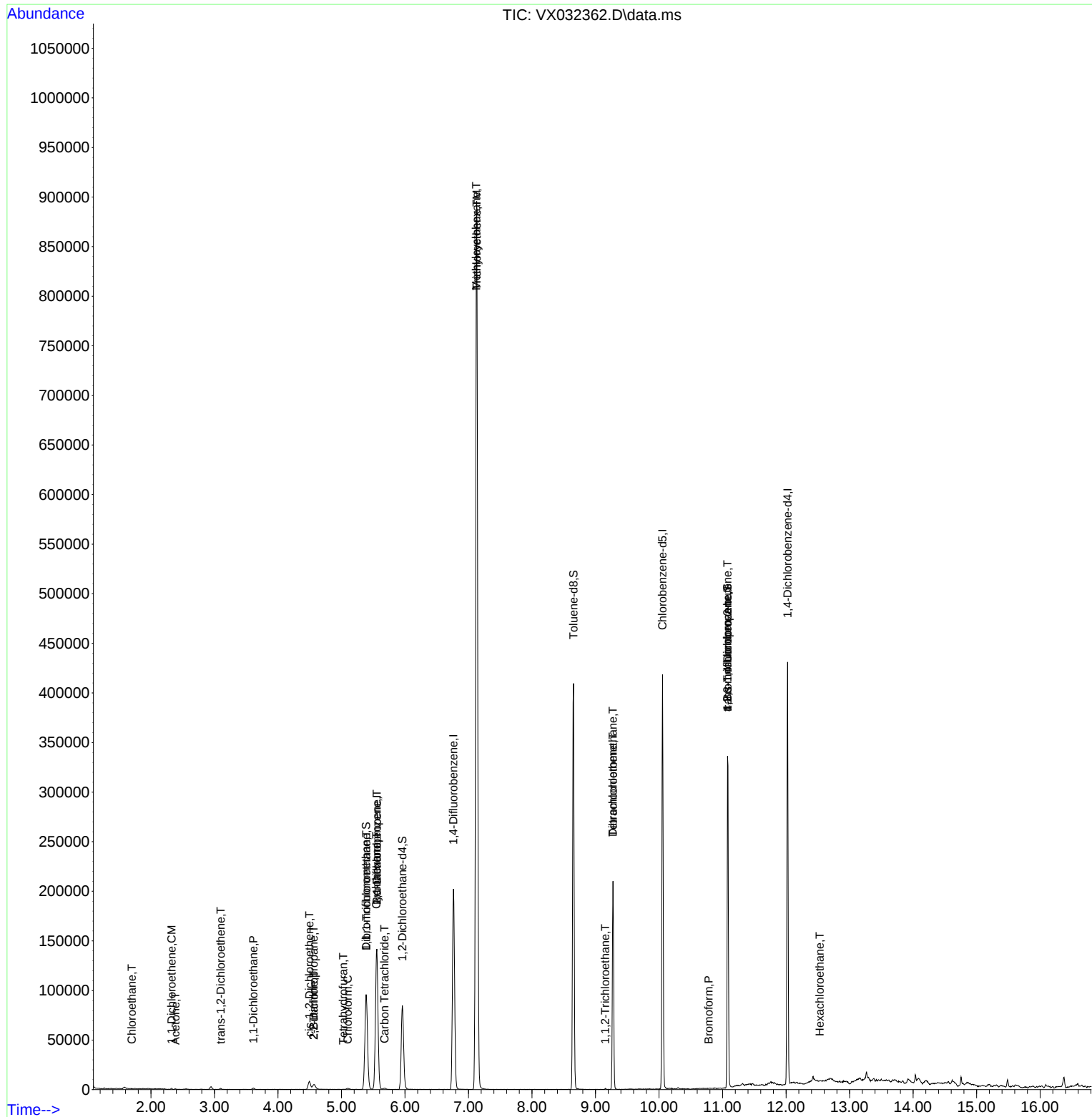
Internal Standards						
1) Pentafluorobenzene	5.555	168	132275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206298	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83547	48.552	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.100%		
35) Dibromofluoromethane	5.385	113	65721	45.781	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.560%		
50) Toluene-d8	8.652	98	241286	46.692	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.380%		
62) 4-Bromofluorobenzene	11.079	95	84308	44.554	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.100%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	19	Below Cal	#	44
6) Chloroethane	1.696	64	186	2.089	ug/l #	41
11) Tert butyl alcohol	2.946	59	1730	Below Cal	#	74
12) 1,1-Dichloroethene	2.324	96	393	0.333	ug/l	95
16) Acetone	2.385	43	690	1.236	ug/l #	84
21) trans-1,2-Dichloroethene	3.099	96	468	0.364	ug/l	97
24) 1,1-Dichloroethane	3.611	63	1747	0.745	ug/l #	93
25) 2-Butanone	4.562	43	206	0.236	ug/l #	48
26) 2,2-Dichloropropane	4.562	77	459	0.272	ug/l #	52
27) cis-1,2-Dichloroethene	4.495	96	5460	3.626	ug/l	92
29) Tetrahydrofuran	5.025	42	119	0.211	ug/l #	31
30) Chloroform	5.098	83	1501	0.588	ug/l #	83
31) Cyclohexane	5.549	56	2972	1.511	ug/l #	7
32) 1,1,1-Trichloroethane	5.391	97	17333	7.959	ug/l	97
36) 1,1-Dichloropropene	5.555	75	10505	5.689	ug/l #	50
38) Carbon Tetrachloride	5.677	117	1187	0.609	ug/l	99
39) Methylcyclohexane	7.122	83	3886	1.762	ug/l #	1
44) Trichloroethene	7.128	130	339438	230.308	ug/l	99
55) 1,1,2-Trichloroethane	9.152	97	283	0.201	ug/l #	92
60) Dibromochloromethane	9.274	129	36248	25.111	ug/l #	11
64) Tetrachloroethene	9.274	164	36708	30.854	ug/l	96
71) Bromoform	10.780	173	25	2.162	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	46995	27.582	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	46995	84.629	ug/l #	6
90) Hexachloroethane	12.530	117	219	0.259	ug/l	66

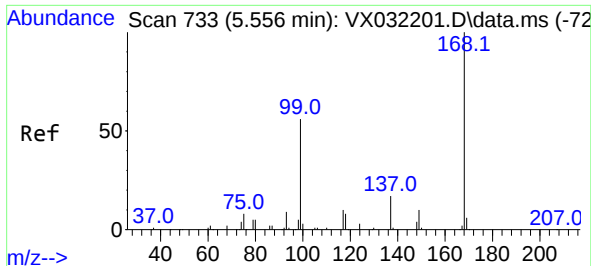
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
Data File : VX032362.D
Acq On : 25 Oct 2022 14:26
Operator : JC/MD
Sample : N5249-01RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-02-20221019

Quant Time: Oct 27 14:17:12 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

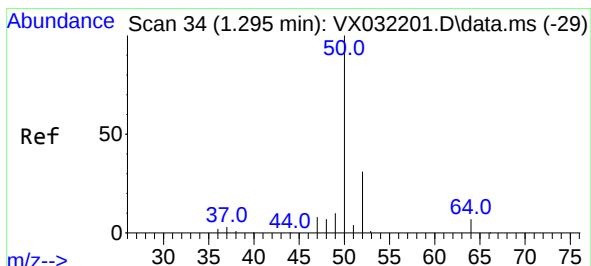
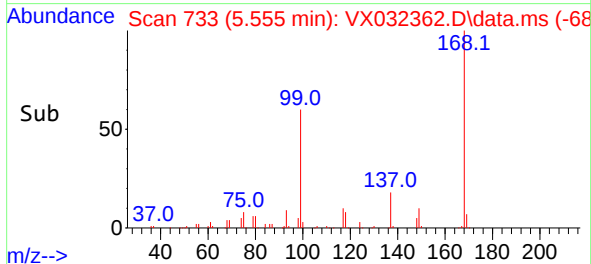
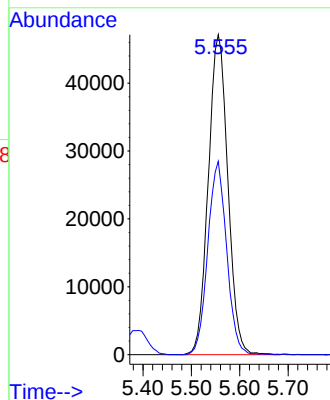
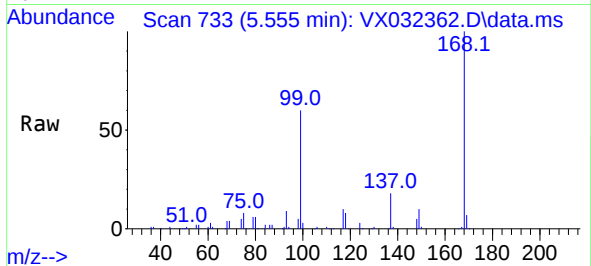




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

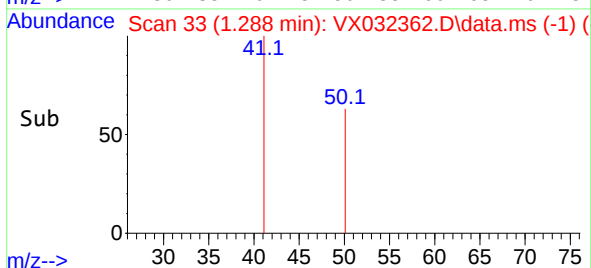
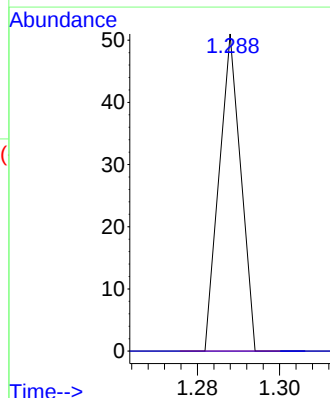
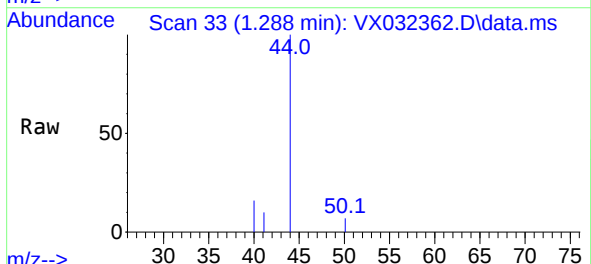
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-02-20221019

Tgt Ion:168 Resp: 132275
Ion Ratio Lower Upper
168 100
99 60.4 44.8 67.2

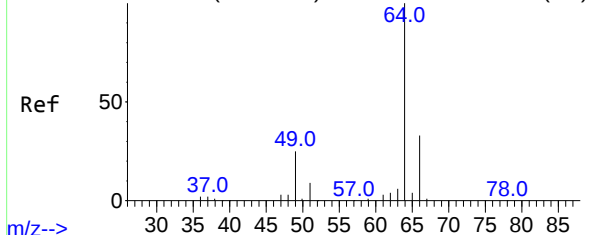


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.007 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

Tgt Ion: 50 Resp: 19
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



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

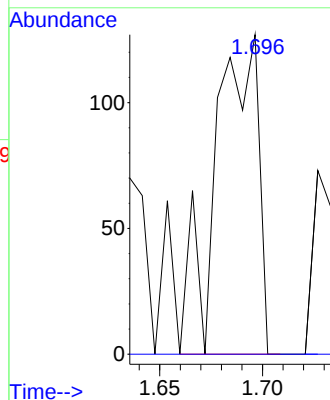
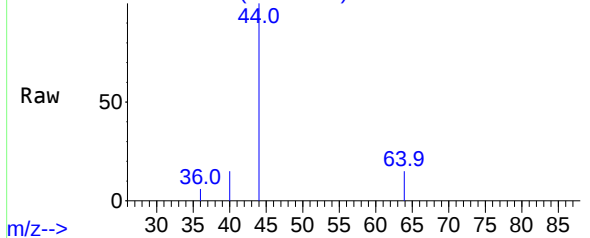


#6
Chloroethane
Concen: 2.089 ug/l
RT: 1.696 min Scan# 10
Delta R.T. 0.011 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

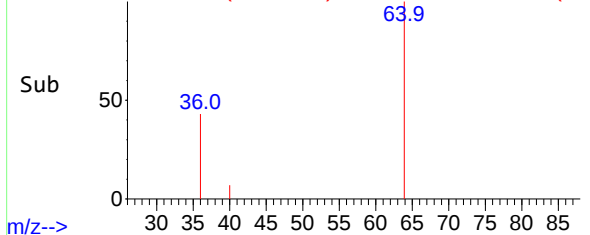
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-02-20221019

Tgt Ion: 64 Resp: 186
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#

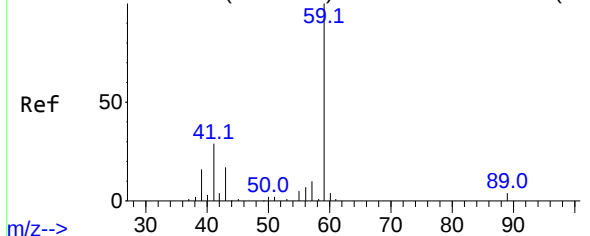
Abundance Scan 100 (1.696 min): VX032362.D\data.ms



Abundance Scan 100 (1.696 min): VX032362.D\data.ms (-49)



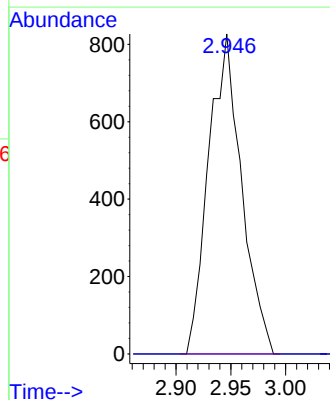
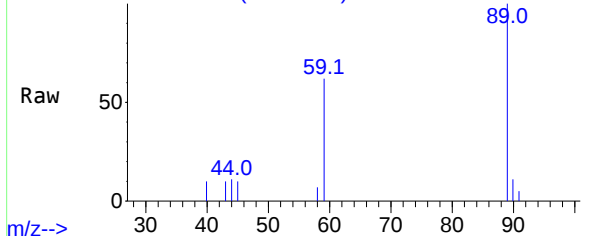
Abundance Scan 310 (2.977 min): VX032201.D\data.ms (-29)



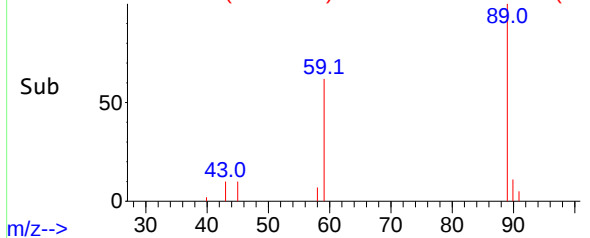
#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

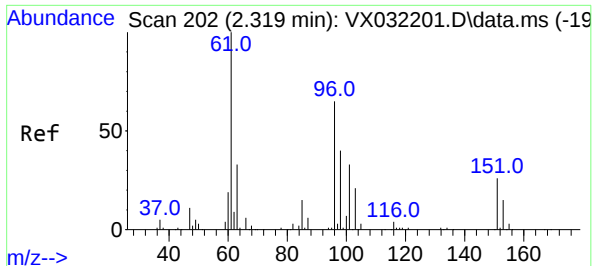
Tgt Ion: 59 Resp: 1730
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

Abundance Scan 305 (2.946 min): VX032362.D\data.ms



Abundance Scan 305 (2.946 min): VX032362.D\data.ms (-26)





#12

1,1-Dichloroethene

Concen: 0.333 ug/l

RT: 2.324 min Scan# 20

Delta R.T. 0.005 min

Lab File: VX032362.D

Acq: 25 Oct 2022 14:26

Instrument :

MSVOA_X

ClientSampleId :

FSND-FD-02-20221019

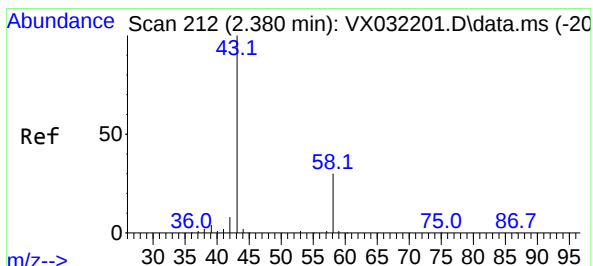
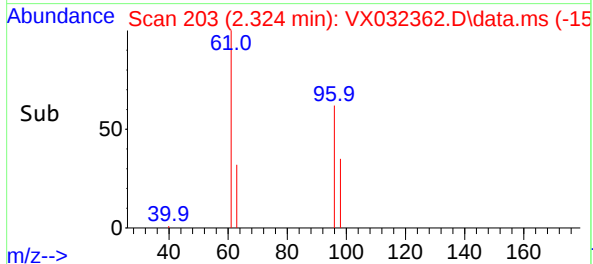
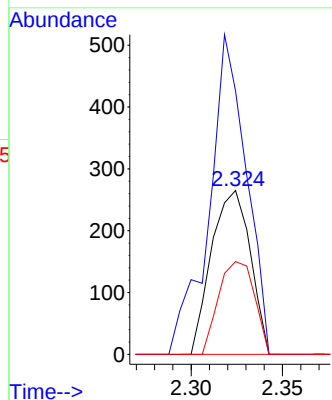
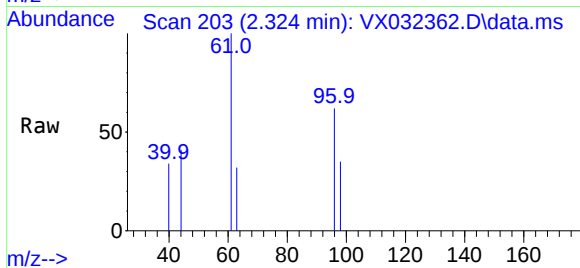
Tgt Ion: 96 Resp: 393

Ion Ratio Lower Upper

96 100

61 160.8 124.0 186.0

98 56.6 50.0 75.0



#16

Acetone

Concen: 1.236 ug/l

RT: 2.385 min Scan# 213

Delta R.T. 0.005 min

Lab File: VX032362.D

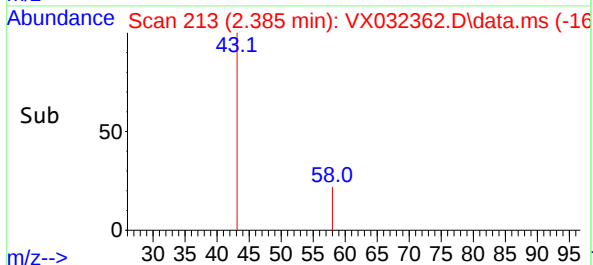
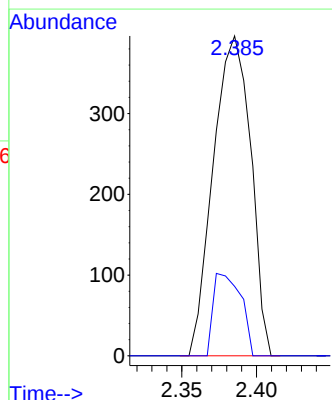
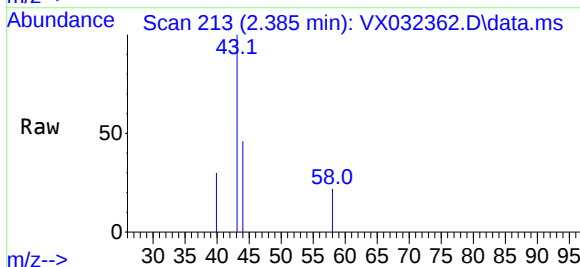
Acq: 25 Oct 2022 14:26

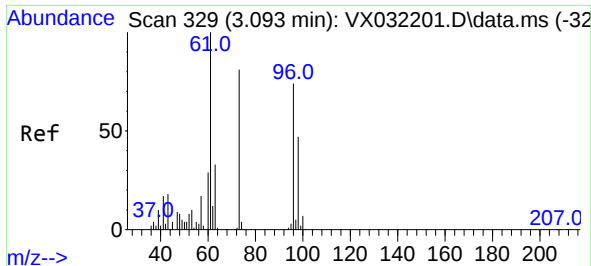
Tgt Ion: 43 Resp: 690

Ion Ratio Lower Upper

43 100

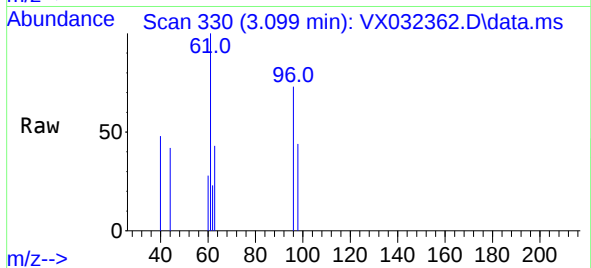
58 21.7 24.2 36.2#



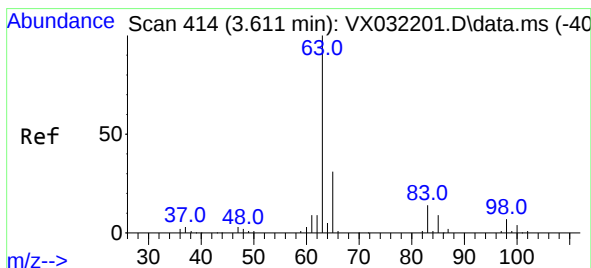
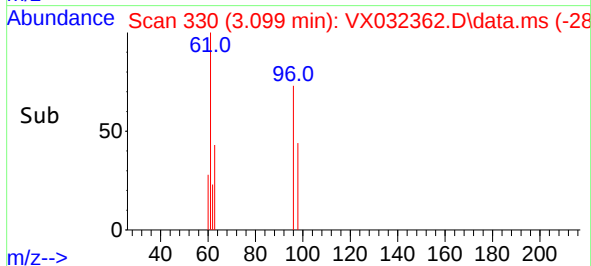
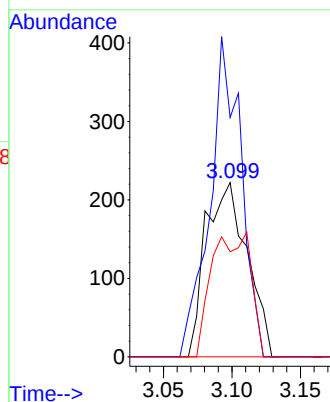


#21
trans-1,2-Dichloroethene
Concen: 0.364 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-02-20221019

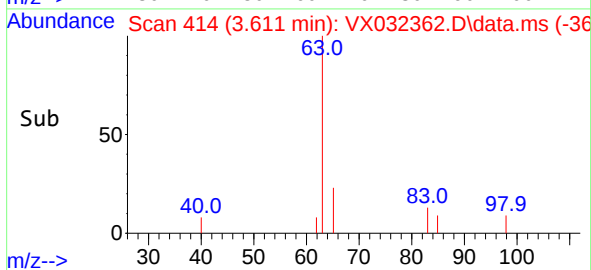
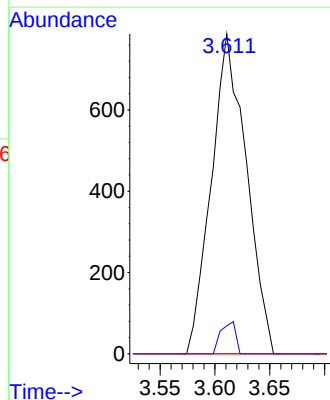
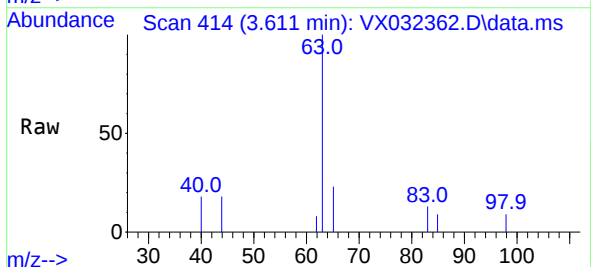


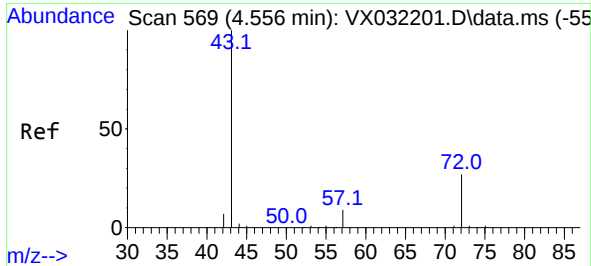
Tgt Ion: 96 Resp: 468
Ion Ratio Lower Upper
96 100
61 137.4 107.7 161.5
98 60.4 50.2 75.4



#24
1,1-Dichloroethane
Concen: 0.745 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

Tgt Ion: 63 Resp: 1747
Ion Ratio Lower Upper
63 100
98 8.8 3.6 10.9
100 0.0 2.1 6.3#





#25

2-Butanone

Concen: 0.236 ug/l

RT: 4.562 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX032362.D

Acq: 25 Oct 2022 14:26

Instrument :

MSVOA_X

ClientSampleId :

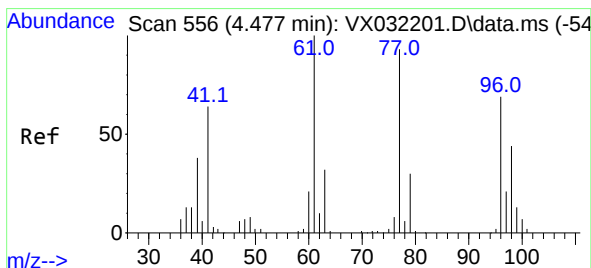
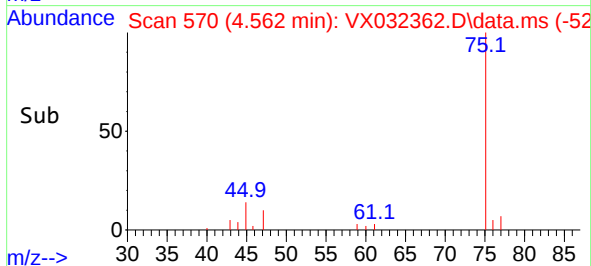
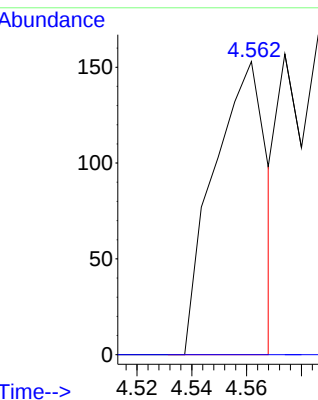
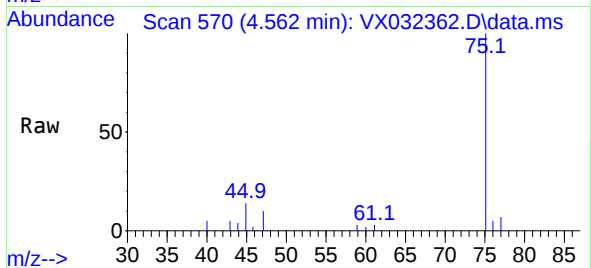
FSND-FD-02-20221019

Tgt Ion: 43 Resp: 206

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#26

2,2-Dichloropropane

Concen: 0.272 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.085 min

Lab File: VX032362.D

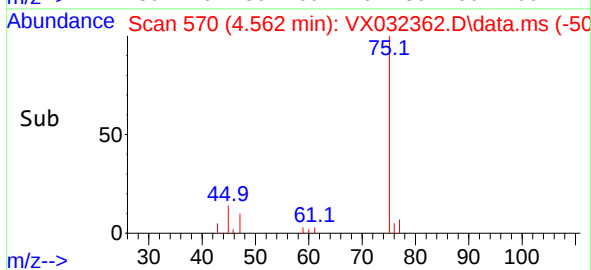
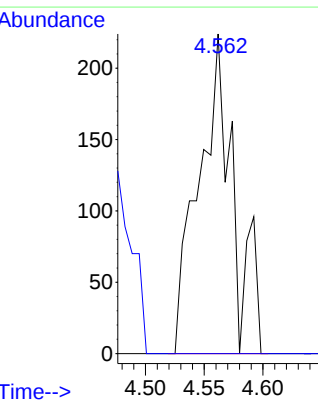
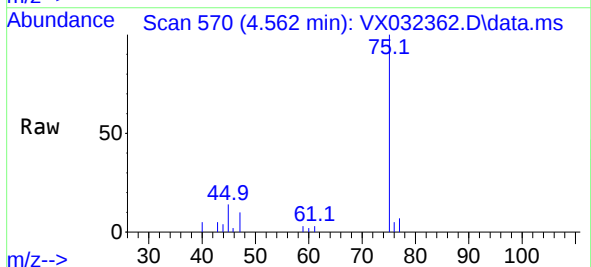
Acq: 25 Oct 2022 14:26

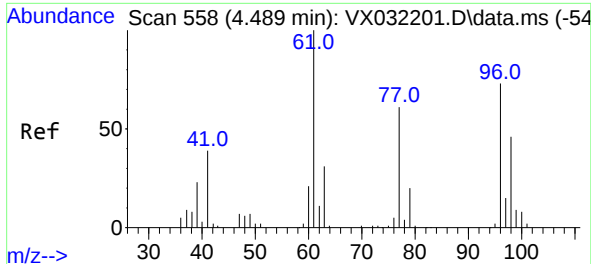
Tgt Ion: 77 Resp: 459

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#





#27

cis-1,2-Dichloroethene

Concen: 3.626 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX032362.D

Acq: 25 Oct 2022 14:26

Instrument :

MSVOA_X

ClientSampleId :

FSND-FD-02-20221019

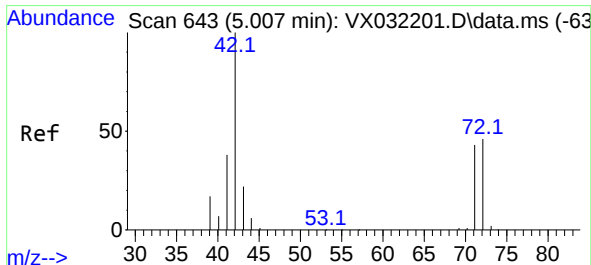
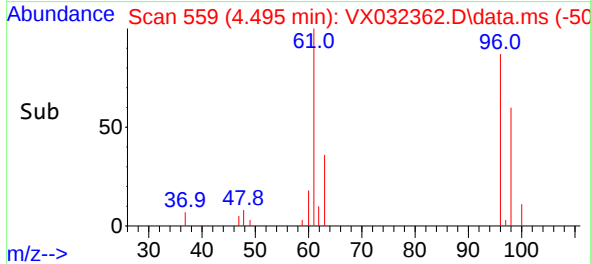
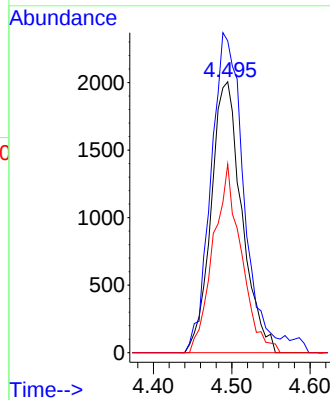
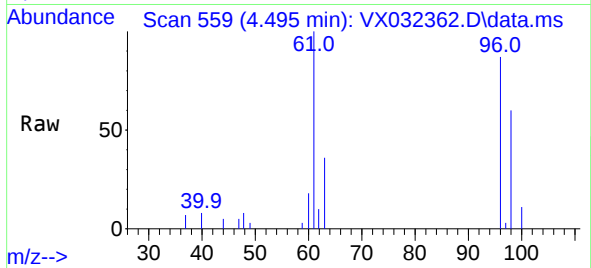
Tgt Ion: 96 Resp: 5460

Ion Ratio Lower Upper

96 100

61 125.0 0.0 279.2

98 63.7 0.0 128.0



#29

Tetrahydrofuran

Concen: 0.211 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.018 min

Lab File: VX032362.D

Acq: 25 Oct 2022 14:26

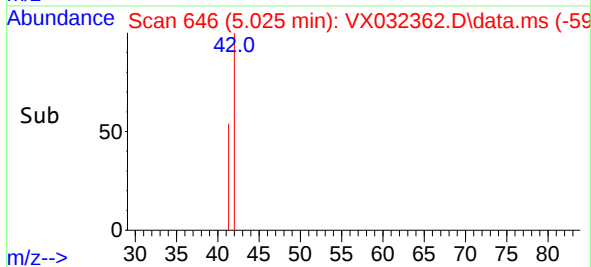
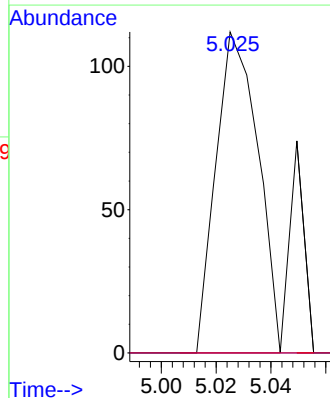
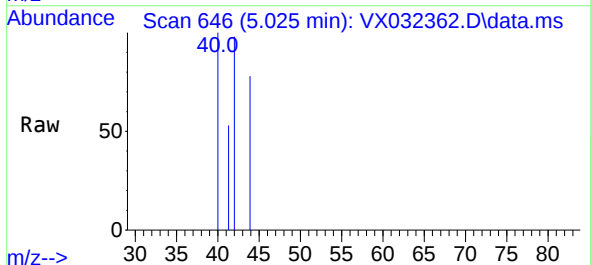
Tgt Ion: 42 Resp: 119

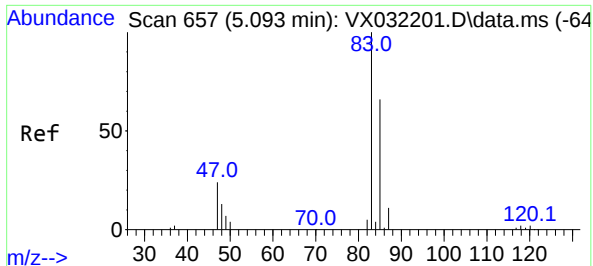
Ion Ratio Lower Upper

42 100

72 0.0 37.5 56.3#

71 0.0 34.7 52.1#

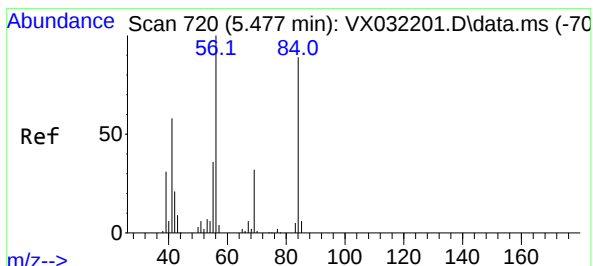
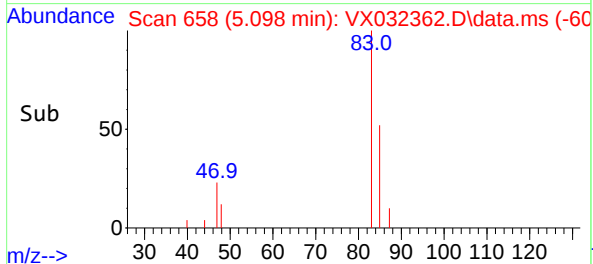
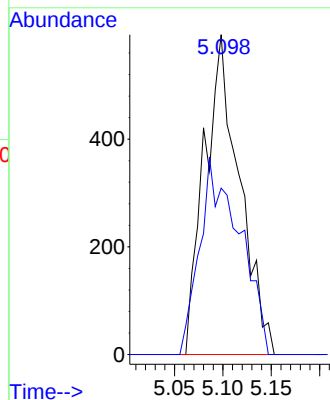
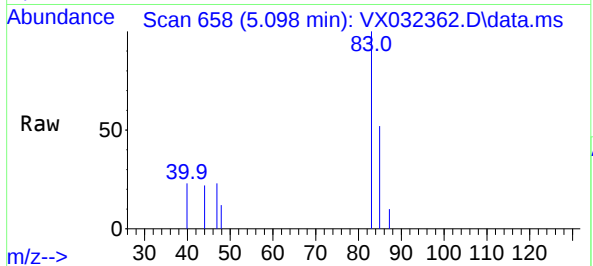




#30
Chloroform
Concen: 0.588 ug/l
RT: 5.098 min Scan# 61
Delta R.T. 0.005 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

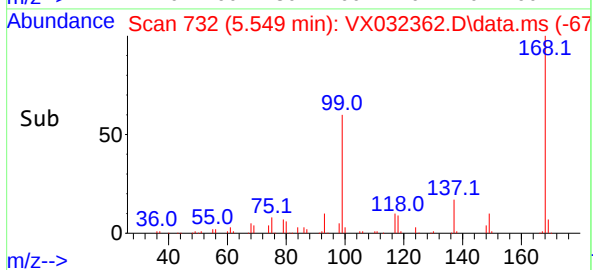
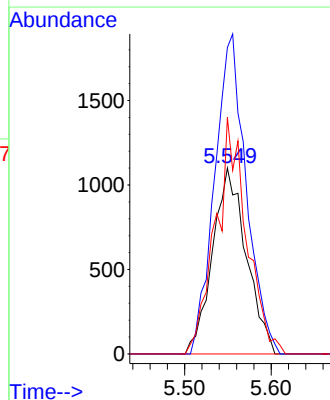
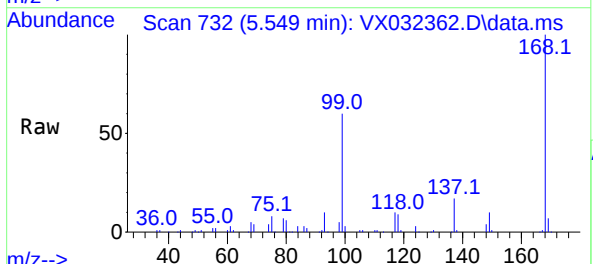
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-02-20221019

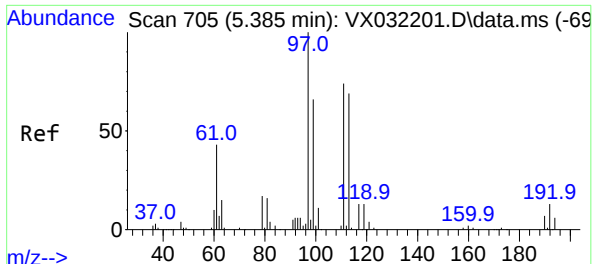
Tgt Ion: 83 Resp: 1501
Ion Ratio Lower Upper
83 100
85 52.0 52.5 78.7#



#31
Cyclohexane
Concen: 1.511 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.072 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

Tgt Ion: 56 Resp: 2972
Ion Ratio Lower Upper
56 100
69 164.9 25.4 38.0#
84 127.4 71.2 106.8#





#32

1,1,1-Trichloroethane

Concen: 7.959 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032362.D

Acq: 25 Oct 2022 14:26

Instrument :

MSVOA_X

ClientSampleId :

FSND-FD-02-20221019

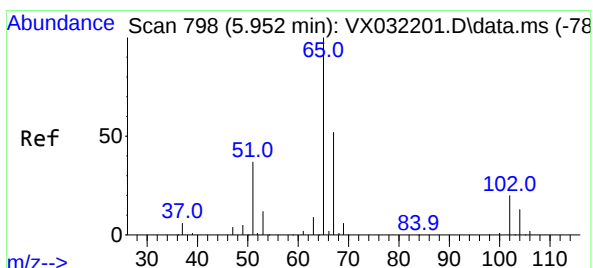
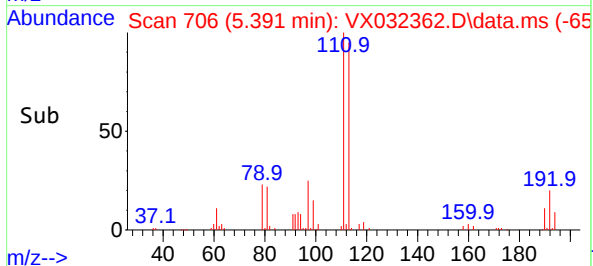
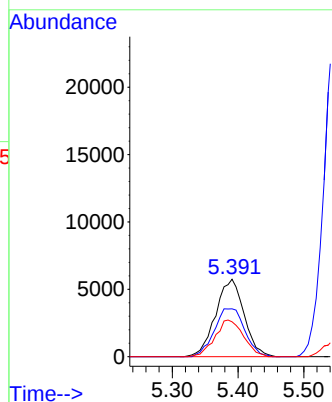
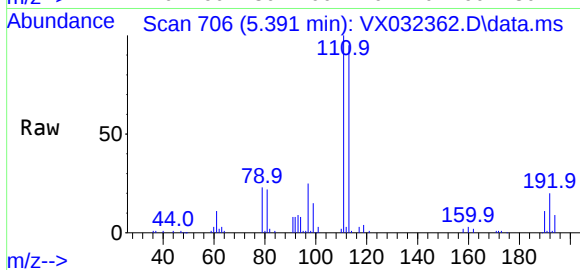
Tgt Ion: 97 Resp: 17333

Ion Ratio Lower Upper

97 100

99 66.1 51.8 77.8

61 47.3 35.7 53.5



#33

1,2-Dichloroethane-d4

Concen: 48.552 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX032362.D

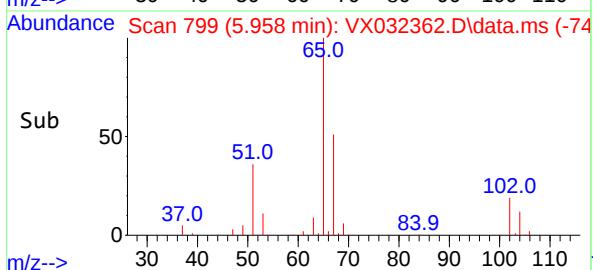
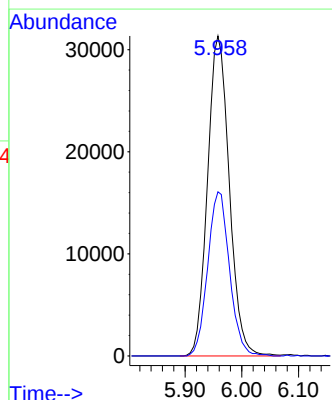
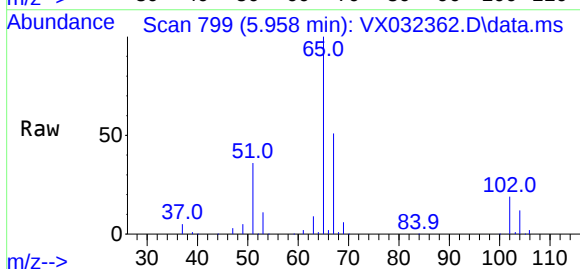
Acq: 25 Oct 2022 14:26

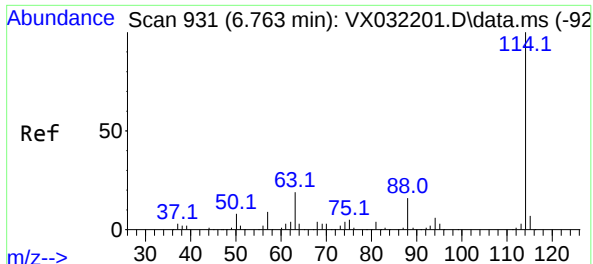
Tgt Ion: 65 Resp: 83547

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.6

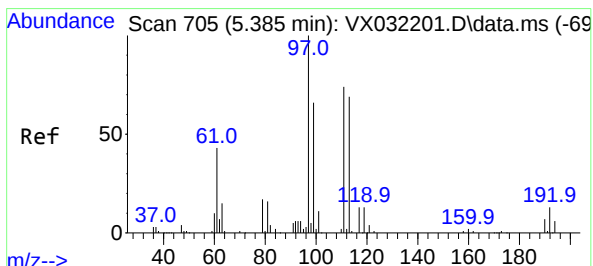
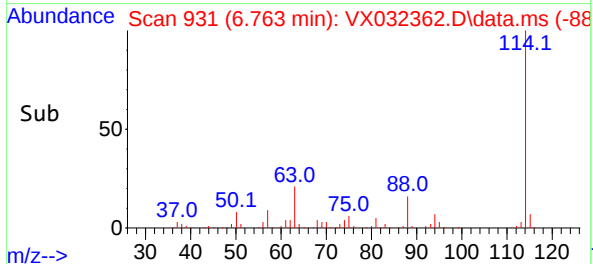
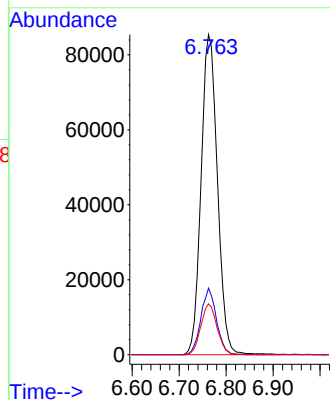
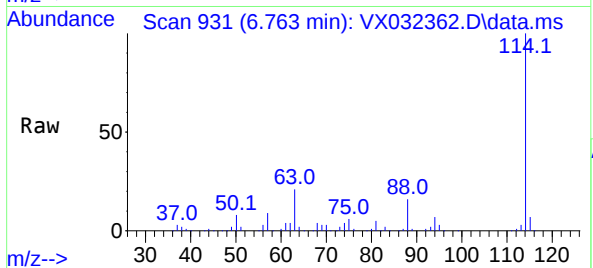




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

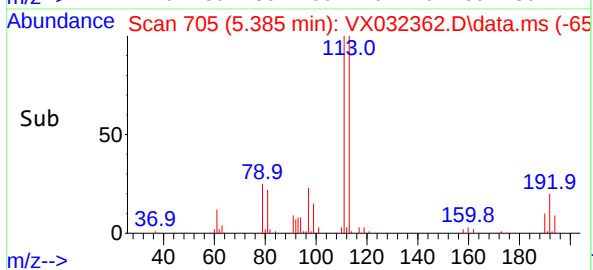
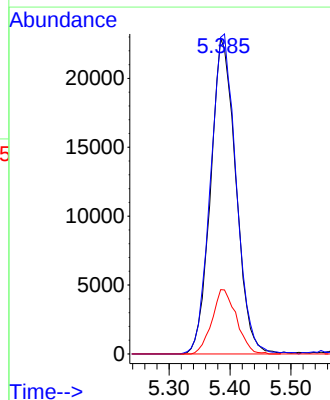
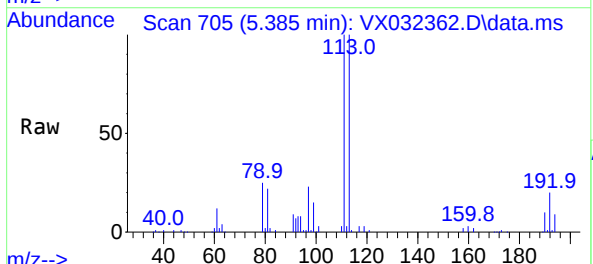
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-02-20221019

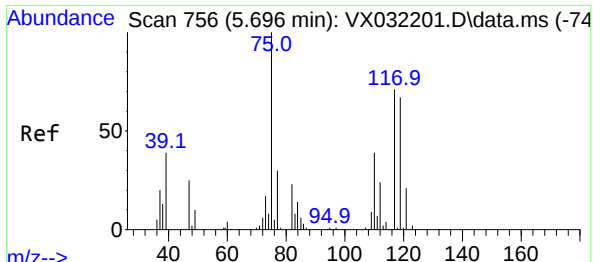
Tgt Ion:114 Resp: 206298
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.6
88 15.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 45.781 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

Tgt Ion:113 Resp: 65721
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 19.8 15.5 23.3

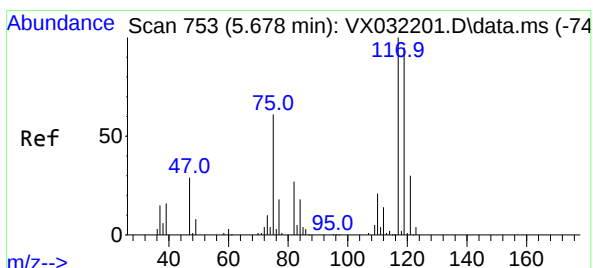
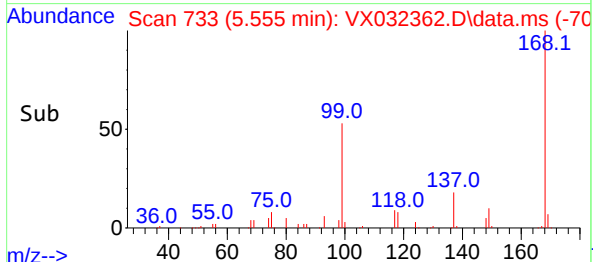
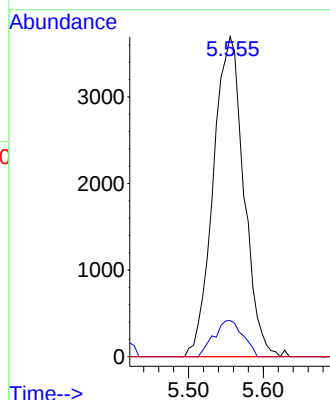
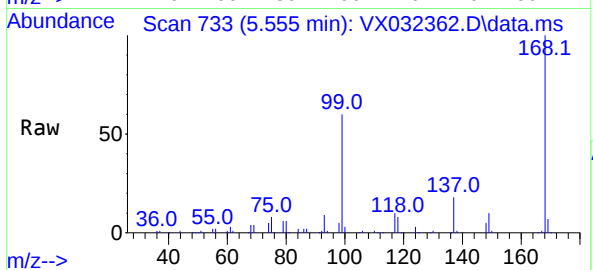




#36
1,1-Dichloropropene
Concen: 5.689 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.141 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

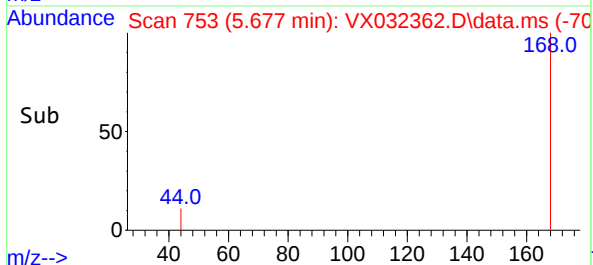
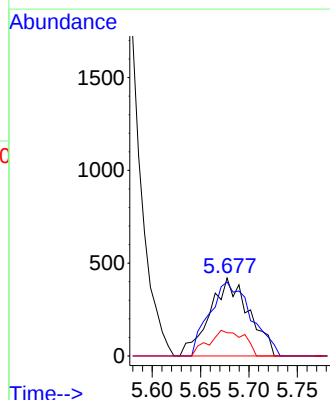
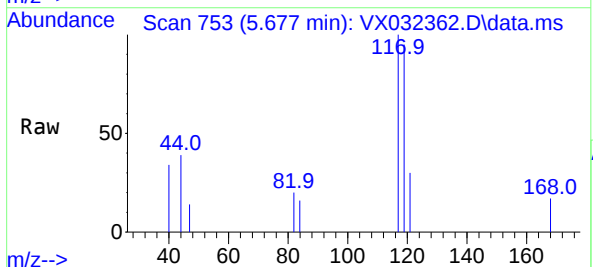
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-02-20221019

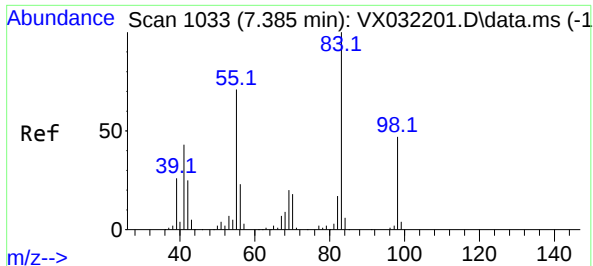
Tgt Ion: 75 Resp: 10505
Ion Ratio Lower Upper
75 100
110 10.7 18.4 55.0#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.609 ug/l
RT: 5.677 min Scan# 753
Delta R.T. -0.001 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

Tgt Ion: 117 Resp: 1187
Ion Ratio Lower Upper
117 100
119 94.8 75.4 113.0
121 29.8 23.9 35.9





#39

Methylcyclohexane

Concen: 1.762 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.263 min

Lab File: VX032362.D

Acq: 25 Oct 2022 14:26

Instrument :

MSVOA_X

ClientSampleId :

FSND-FD-02-20221019

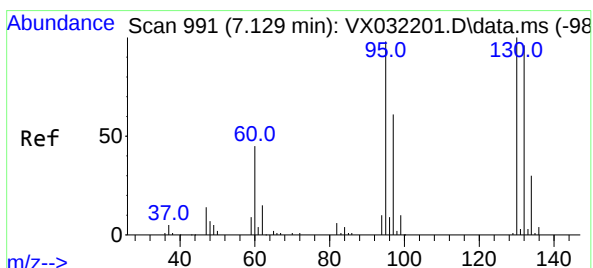
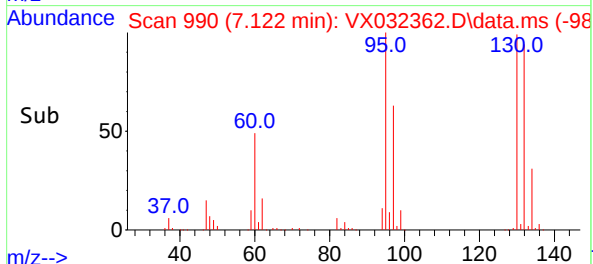
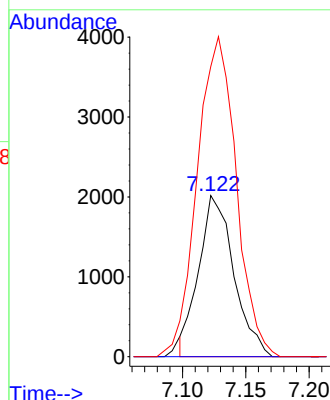
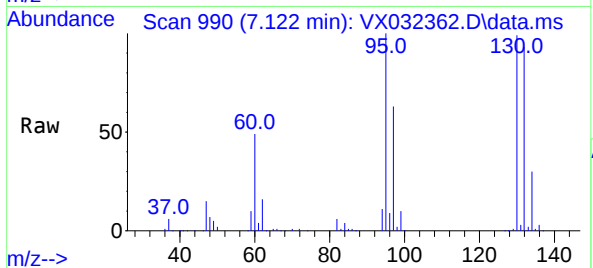
Tgt Ion: 83 Resp: 3886

Ion Ratio Lower Upper

83 100

55 0.0 56.6 85.0#

98 180.0 37.4 56.0#



#44

Trichloroethene

Concen: 230.308 ug/l

RT: 7.128 min Scan# 991

Delta R.T. -0.001 min

Lab File: VX032362.D

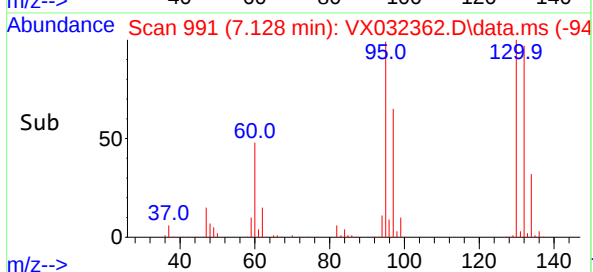
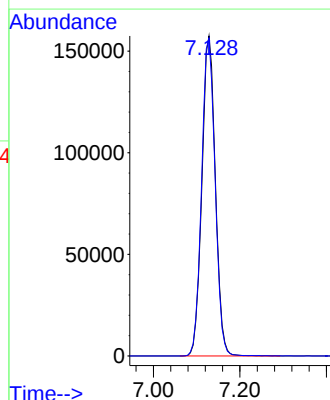
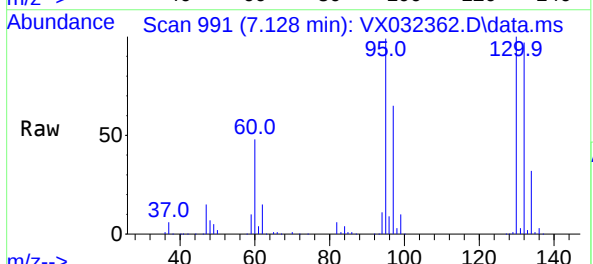
Acq: 25 Oct 2022 14:26

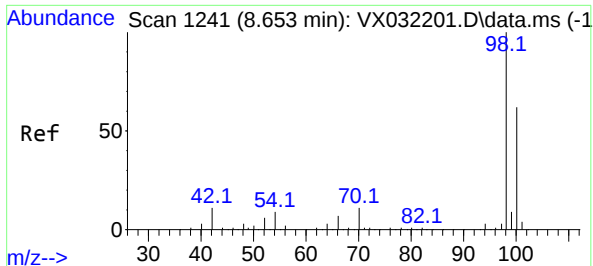
Tgt Ion:130 Resp: 339438

Ion Ratio Lower Upper

130 100

95 99.3 0.0 196.8





#50

Toluene-d8

Concen: 46.692 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.001 min

Lab File: VX032362.D

Acq: 25 Oct 2022 14:26

Instrument :

MSVOA_X

ClientSampleId :

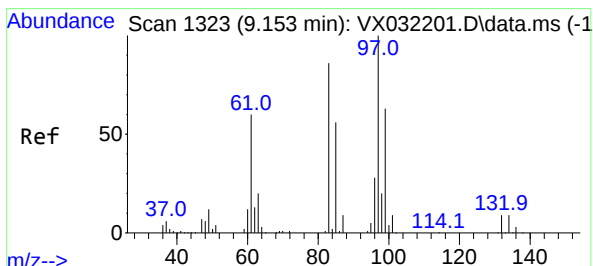
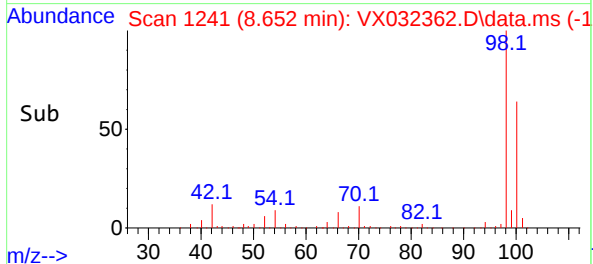
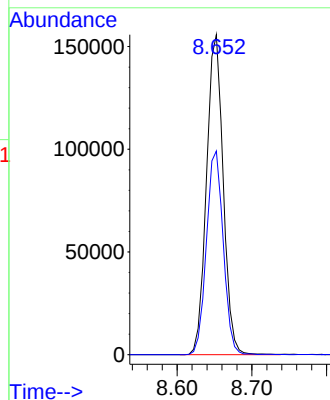
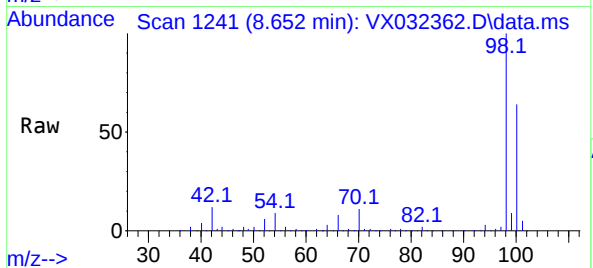
FSND-FD-02-20221019

Tgt Ion: 98 Resp: 241286

Ion Ratio Lower Upper

98 100

100 64.1 50.7 76.1



#55

1,1,2-Trichloroethane

Concen: 0.201 ug/l

RT: 9.152 min Scan# 1323

Delta R.T. -0.001 min

Lab File: VX032362.D

Acq: 25 Oct 2022 14:26

Tgt Ion: 97 Resp: 283

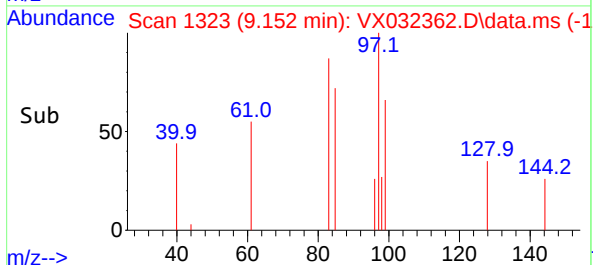
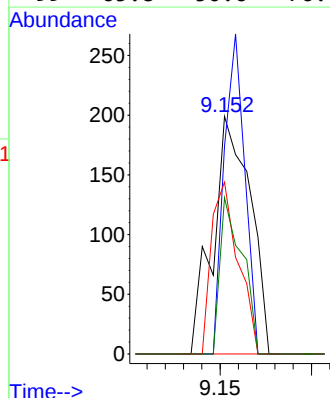
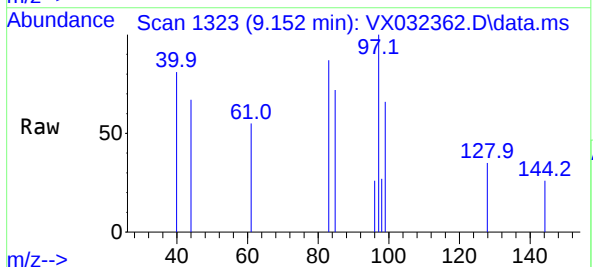
Ion Ratio Lower Upper

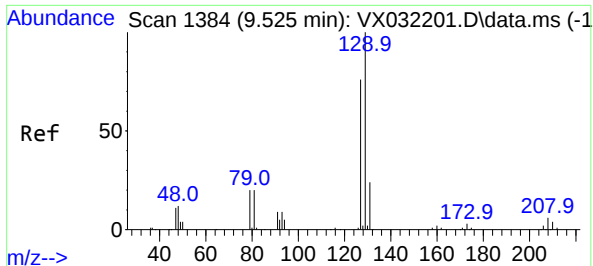
97 100

83 87.4 68.8 103.2

85 72.4 44.7 67.1#

99 65.8 50.6 76.0





#60

Dibromochloromethane

Concen: 25.111 ug/l

RT: 9.274 min Scan# 11

Delta R.T. -0.251 min

Lab File: VX032362.D

Acq: 25 Oct 2022 14:26

Instrument :

MSVOA_X

ClientSampleId :

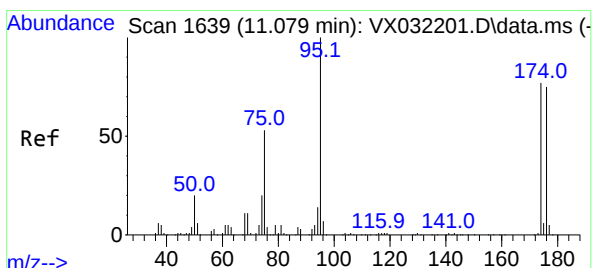
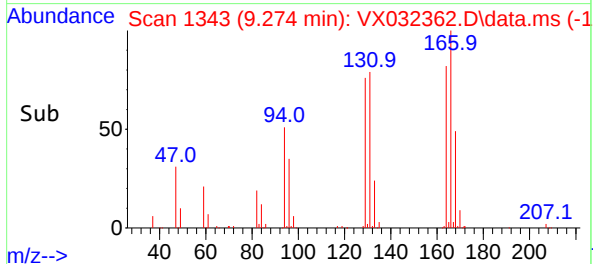
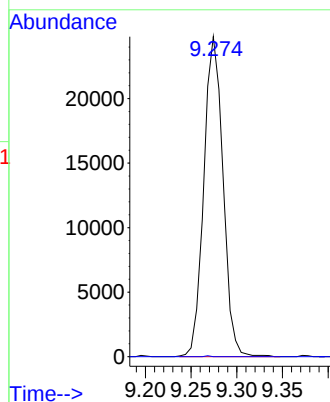
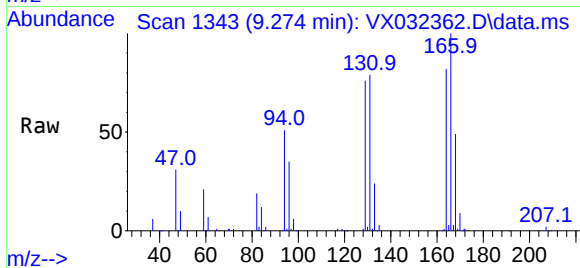
FSND-FD-02-20221019

Tgt Ion:129 Resp: 36248

Ion Ratio Lower Upper

129 100

127 0.1 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 44.554 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX032362.D

Acq: 25 Oct 2022 14:26

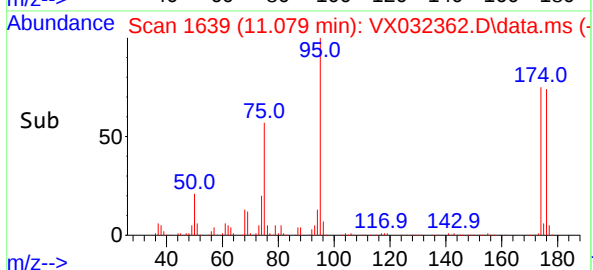
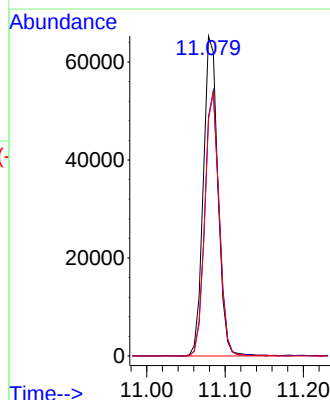
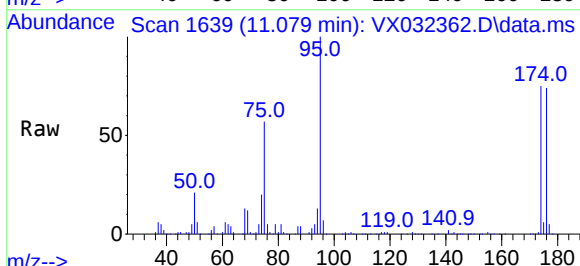
Tgt Ion: 95 Resp: 84308

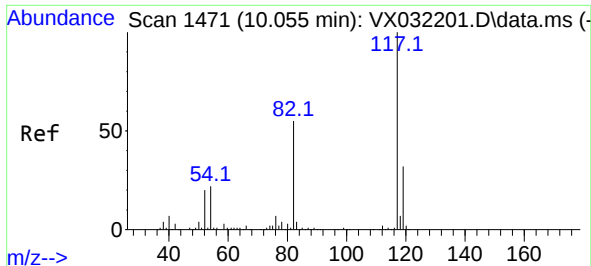
Ion Ratio Lower Upper

95 100

174 81.7 0.0 166.8

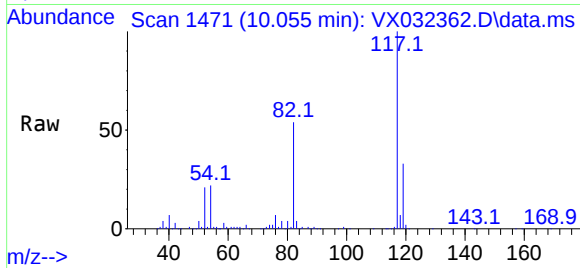
176 80.7 0.0 161.4



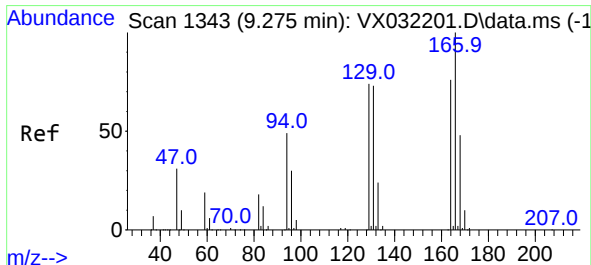
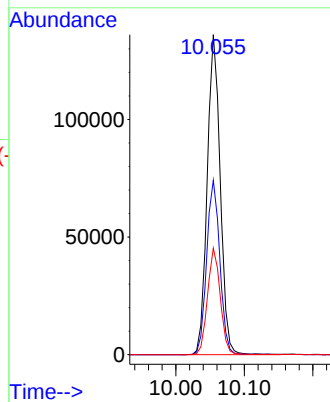
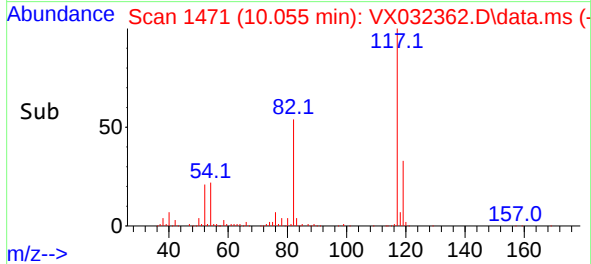


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-02-20221019

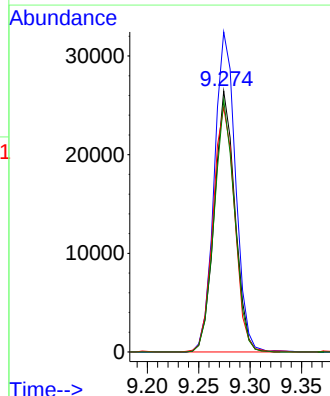
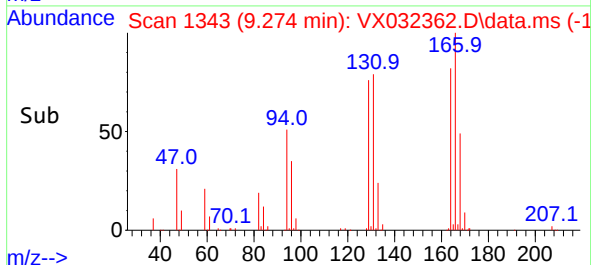
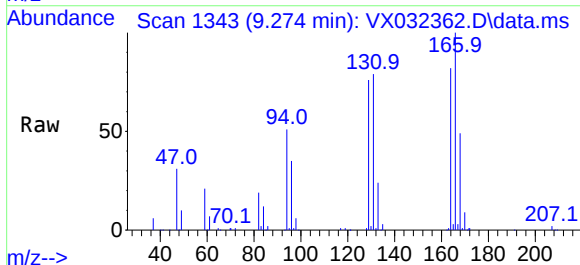


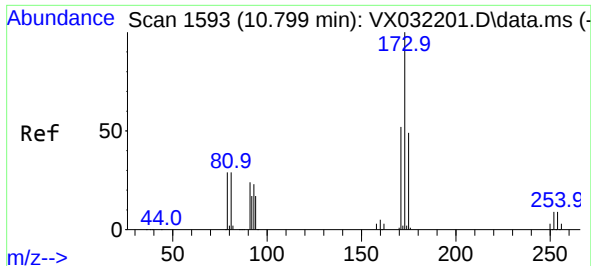
Tgt Ion:117 Resp: 180172
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.4
119 33.3 25.8 38.8



#64
Tetrachloroethene
Concen: 30.854 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.001 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

Tgt Ion:164 Resp: 36708
Ion Ratio Lower Upper
164 100
166 122.7 104.9 157.3
129 93.8 77.8 116.6
131 96.6 76.3 114.5

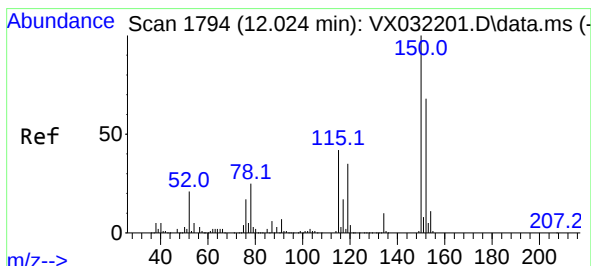
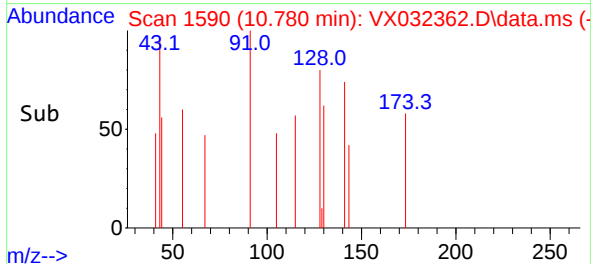
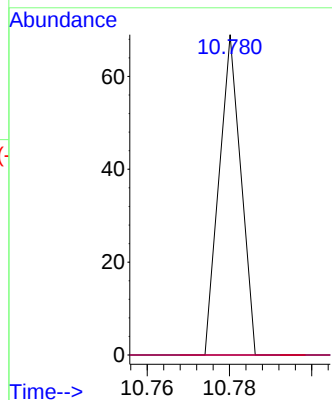
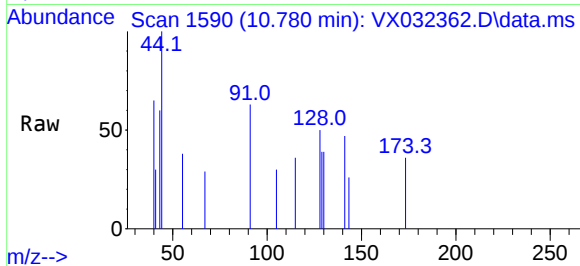




#71
Bromoform
Concen: 2.162 ug/l
RT: 10.780 min Scan# 11
Delta R.T. -0.019 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

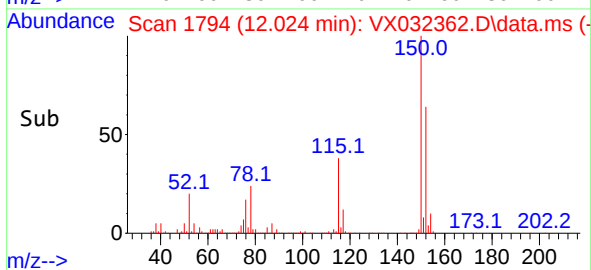
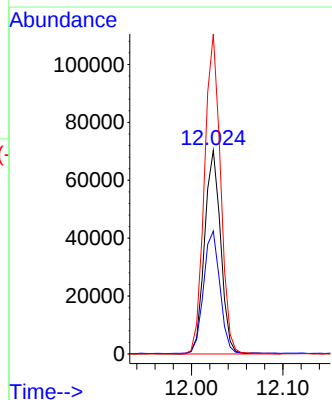
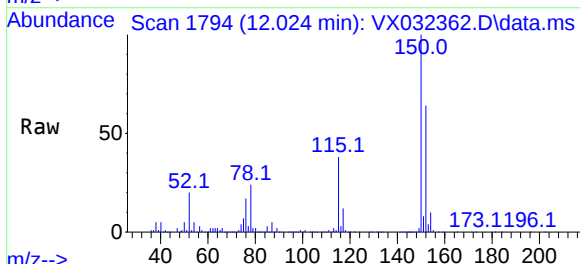
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-02-20221019

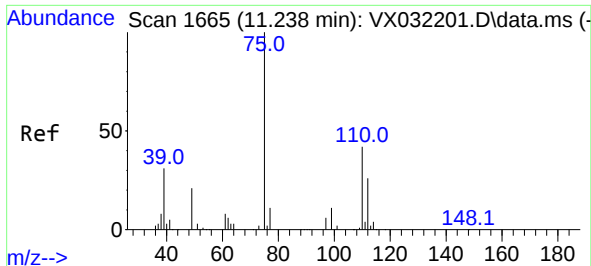
Tgt Ion:173 Resp: 25
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

Tgt Ion:152 Resp: 85991
Ion Ratio Lower Upper
152 100
115 60.8 43.1 129.4
150 157.1 0.0 348.6

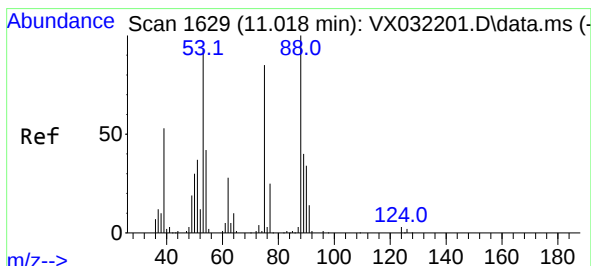
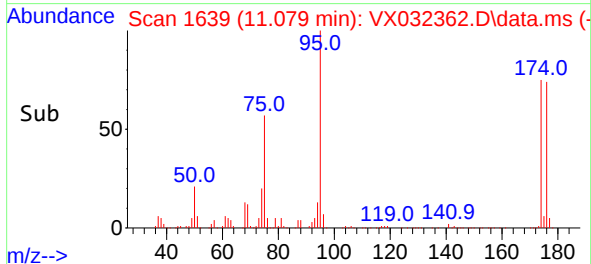
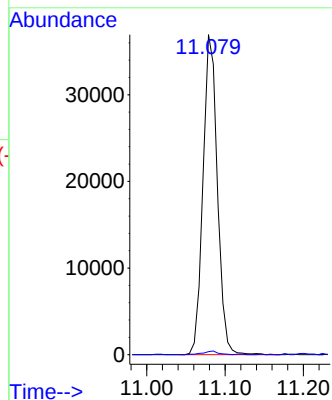
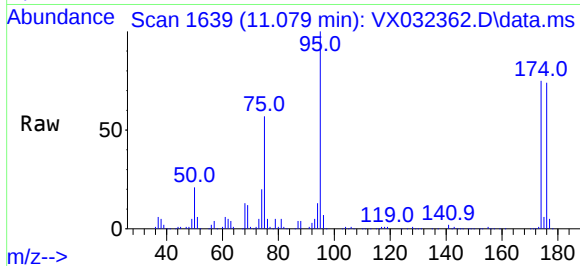




#76
1,2,3-Trichloropropane
Concen: 27.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

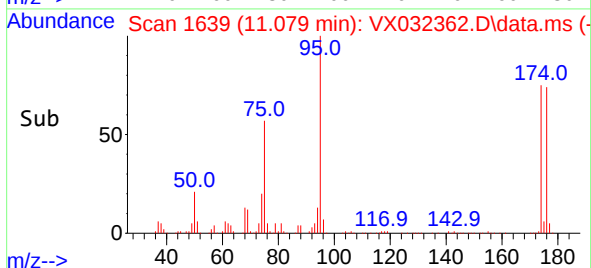
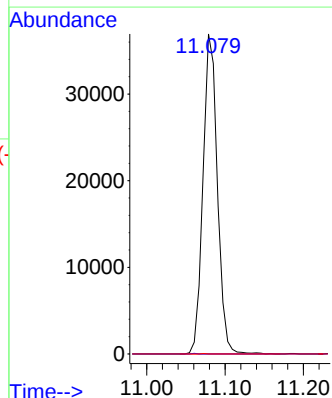
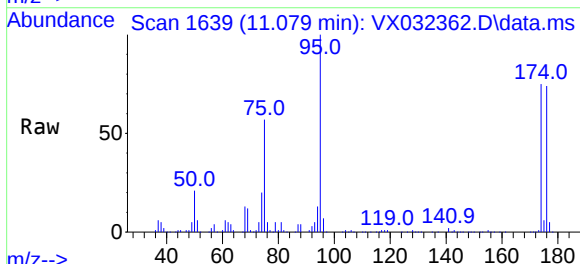
Instrument :
MSVOA_X
ClientSampleId :
FSND-FD-02-20221019

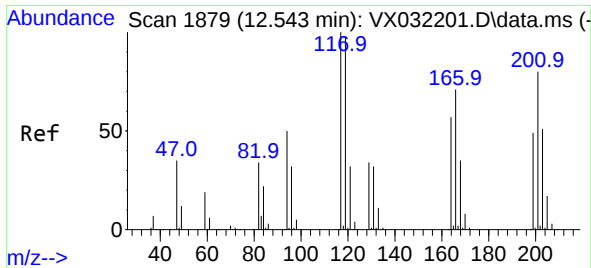
Tgt Ion: 75 Resp: 46995
Ion Ratio Lower Upper
75 100
77 1.2 16.0 47.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.629 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032362.D
Acq: 25 Oct 2022 14:26

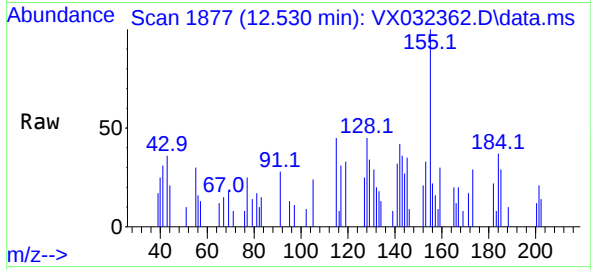
Tgt Ion: 75 Resp: 46995
Ion Ratio Lower Upper
75 100
53 0.1 87.8 131.8#
89 0.0 37.8 56.8#





#90
 Hexachloroethane
 Concen: 0.259 ug/l
 RT: 12.530 min Scan# 11
 Delta R.T. -0.013 min
 Lab File: VX032362.D
 Acq: 25 Oct 2022 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-FD-02-20221019



Tgt Ion:117 Resp: 219
 Ion Ratio Lower Upper
 117 100
 201 47.9 38.5 115.3

