

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102422\
 Data File : VX032335.D
 Acq On : 24 Oct 2022 13:13
 Operator : JC/MD
 Sample : N5248-07DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-GEP-2-20221018DL

Quant Time: Oct 25 03:26:33 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)

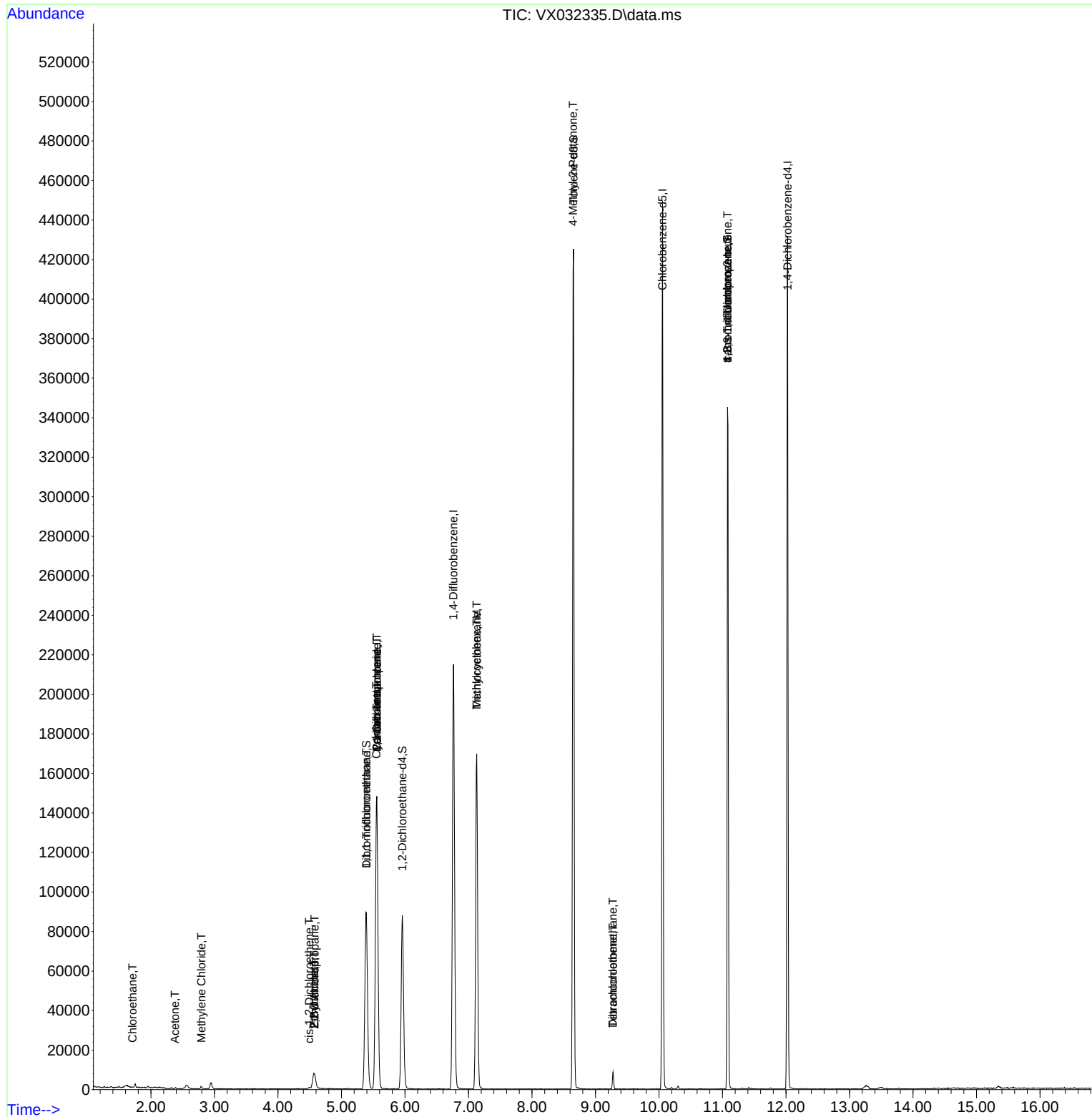
Internal Standards						
1) Pentafluorobenzene	5.556	168	139800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	217517	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85884	47.224	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.440%
35) Dibromofluoromethane	5.391	113	70185	46.369	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.740%
50) Toluene-d8	8.653	98	253099	46.452	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.900%
62) 4-Bromofluorobenzene	11.079	95	89030	44.622	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.240%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	52	Below Cal	#	44
6) Chloroethane	1.709	64	79	2.008	ug/l #	41
11) Tert butyl alcohol	2.947	59	2081	Below Cal	#	74
16) Acetone	2.380	43	617	1.045	ug/l	97
20) Methylene Chloride	2.794	84	582	0.384	ug/l #	68
25) 2-Butanone	4.568	43	622	0.675	ug/l #	48
26) 2,2-Dichloropropane	4.574	77	657	0.368	ug/l #	52
27) cis-1,2-Dichloroethene	4.489	96	565	0.355	ug/l	48
31) Cyclohexane	5.550	56	2986	1.436	ug/l #	17
32) 1,1,1-Trichloroethane	5.391	97	7506	3.261	ug/l	98
36) 1,1-Dichloropropene	5.556	75	11180	5.742	ug/l #	49
37) Ethyl Acetate	4.568	43	622	0.326	ug/l #	82
38) Carbon Tetrachloride	5.556	117	14342	6.978	ug/l #	16
39) Methylcyclohexane	7.129	83	787	0.338	ug/l #	1
44) Trichloroethene	7.129	130	64940	41.789	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1174	0.626	ug/l #	1
60) Dibromochloromethane	9.275	129	1279	0.840	ug/l #	11
64) Tetrachloroethene	9.275	164	1294	1.031	ug/l #	84
76) 1,2,3-Trichloropropane	11.079	75	48321	27.552	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	48321	84.539	ug/l #	6

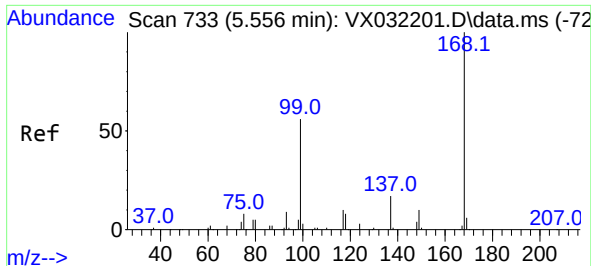
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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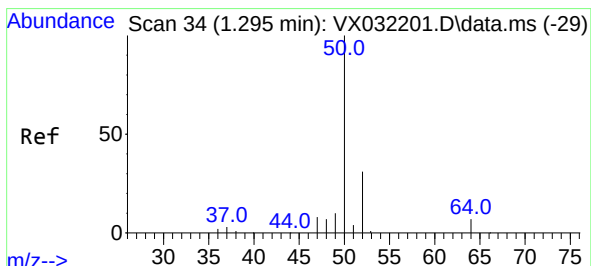
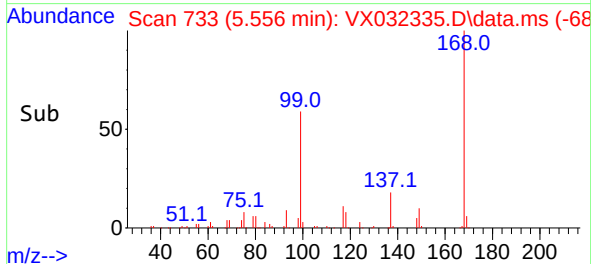
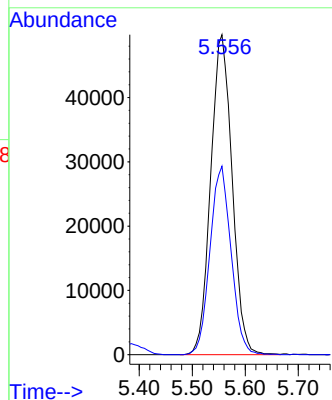
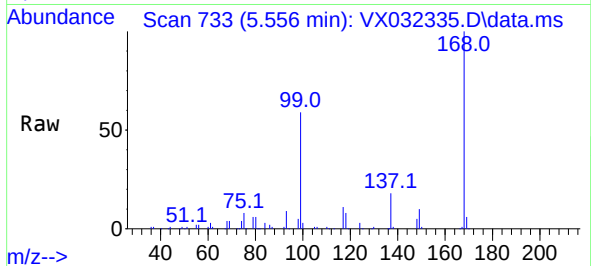




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

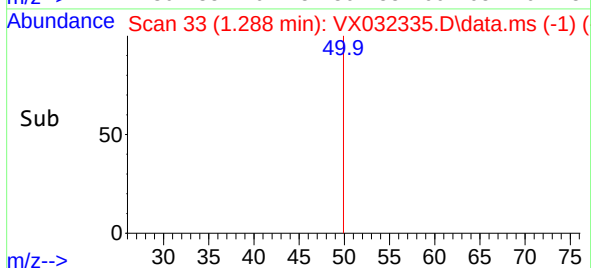
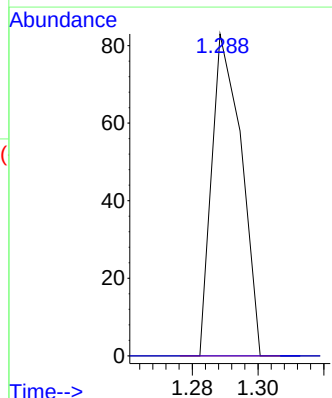
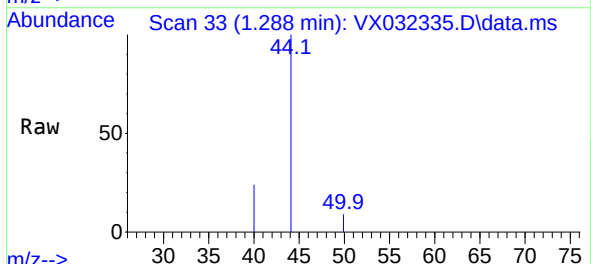
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-2-20221018DL

Tgt Ion:168 Resp: 139800
Ion Ratio Lower Upper
168 100
99 58.9 44.8 67.2

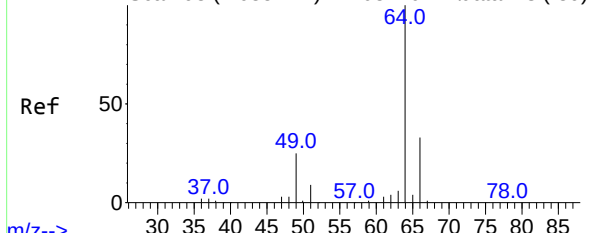


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.007 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

Tgt Ion: 50 Resp: 52
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: 2.008 ug/l

RT: 1.709 min Scan# 102

Delta R.T. 0.024 min

Lab File: VX032335.D

Acq: 24 Oct 2022 13:13

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-2-20221018DL

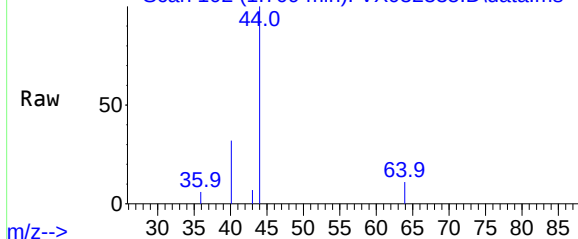
Tgt Ion: 64 Resp: 79

Ion Ratio Lower Upper

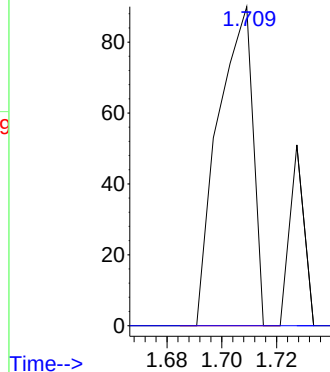
64 100

66 0.0 26.6 39.8#

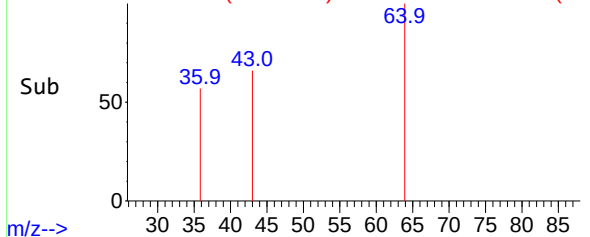
Abundance Scan 102 (1.709 min): VX032335.D\data.ms



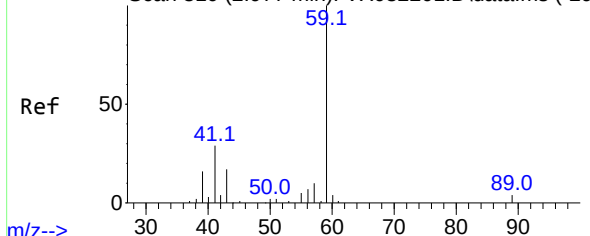
Abundance



Abundance Scan 102 (1.709 min): VX032335.D\data.ms (-49)



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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.030 min

Lab File: VX032335.D

Acq: 24 Oct 2022 13:13

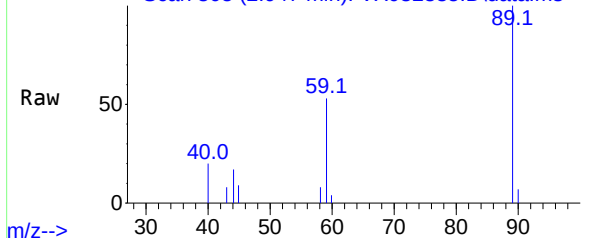
Tgt Ion: 59 Resp: 2081

Ion Ratio Lower Upper

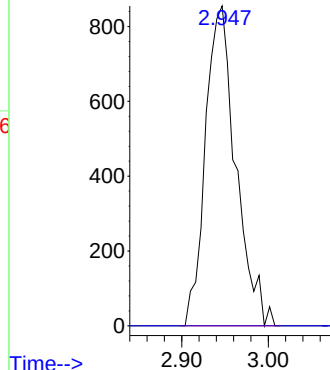
59 100

57 0.0 7.5 11.3#

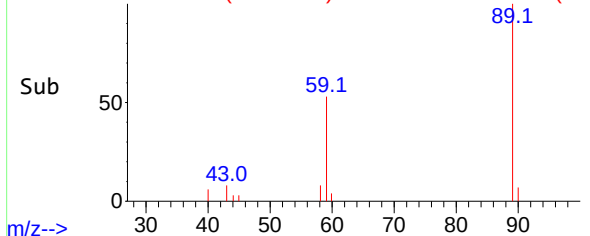
Abundance Scan 305 (2.947 min): VX032335.D\data.ms

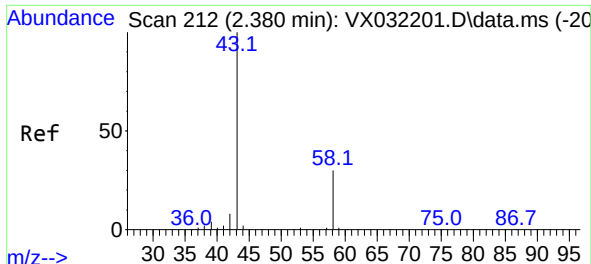


Abundance



Abundance Scan 305 (2.947 min): VX032335.D\data.ms (-26)

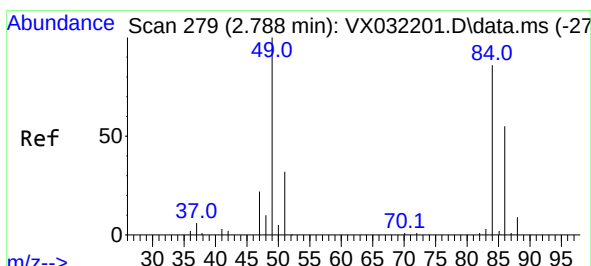
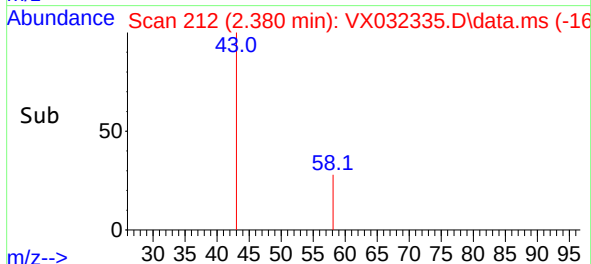
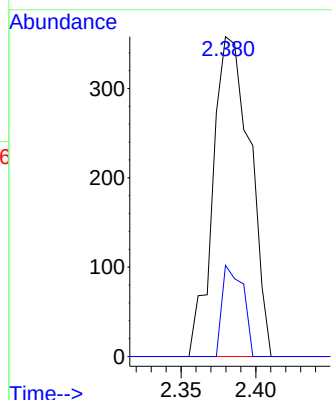
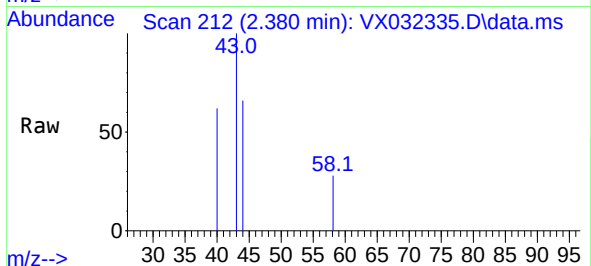




#16
Acetone
Concen: 1.045 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

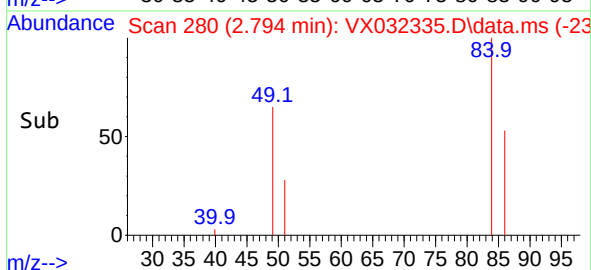
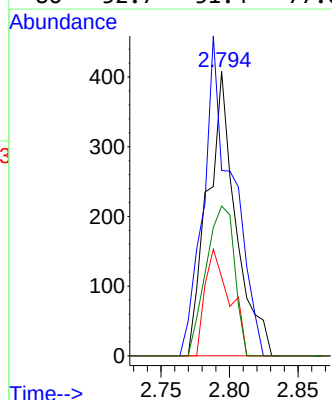
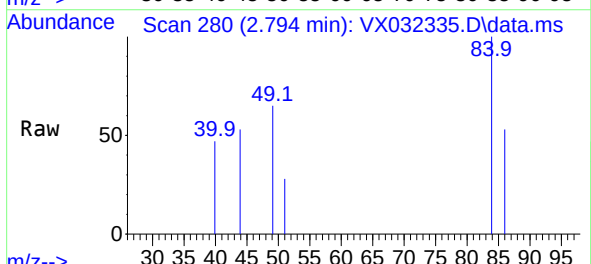
Instrument :
MSVOA_X
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FSND-GEP-2-20221018DL

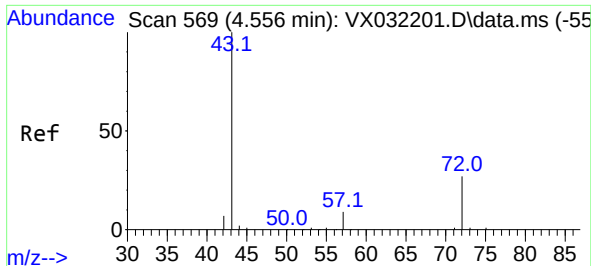
Tgt Ion: 43 Resp: 617
Ion Ratio Lower Upper
43 100
58 28.5 24.2 36.2



#20
Methylene Chloride
Concen: 0.384 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

Tgt Ion: 84 Resp: 582
Ion Ratio Lower Upper
84 100
49 65.2 92.6 139.0#
51 27.7 29.2 43.8#
86 52.7 51.4 77.0





#25

2-Butanone

Concen: 0.675 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX032335.D

Acq: 24 Oct 2022 13:13

Instrument :

MSVOA_X

ClientSampleId :

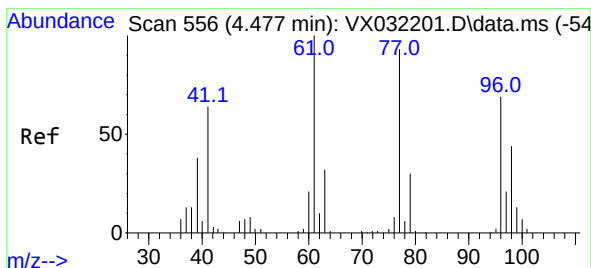
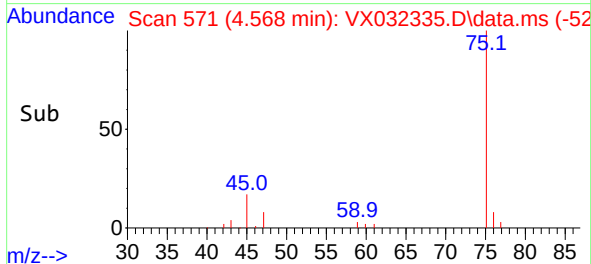
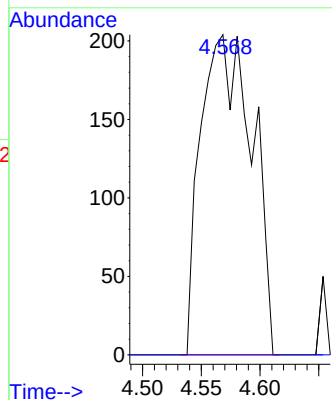
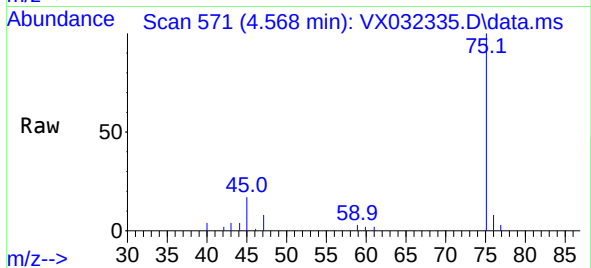
FSND-GEP-2-20221018DL

Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#26

2,2-Dichloropropane

Concen: 0.368 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.097 min

Lab File: VX032335.D

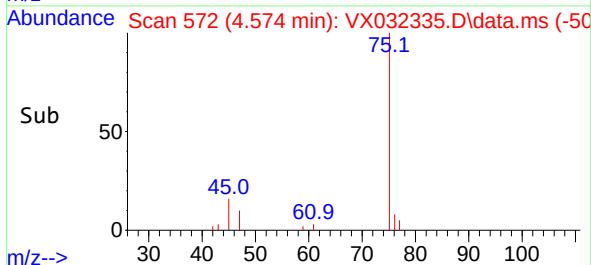
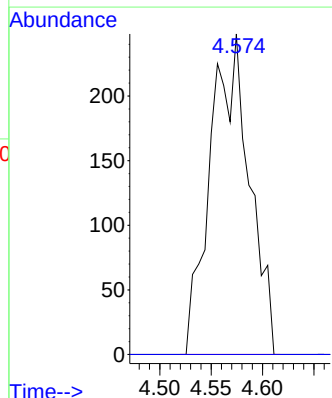
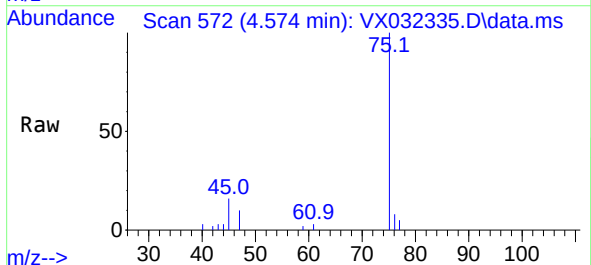
Acq: 24 Oct 2022 13:13

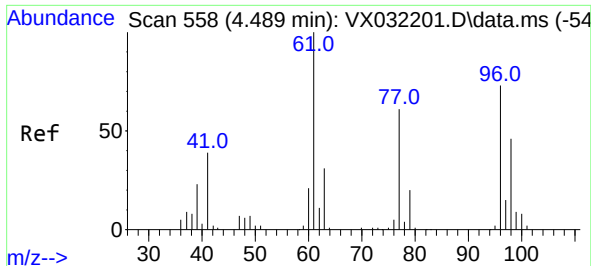
Tgt Ion: 77 Resp: 657

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#





#27

cis-1,2-Dichloroethene

Concen: 0.355 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX032335.D

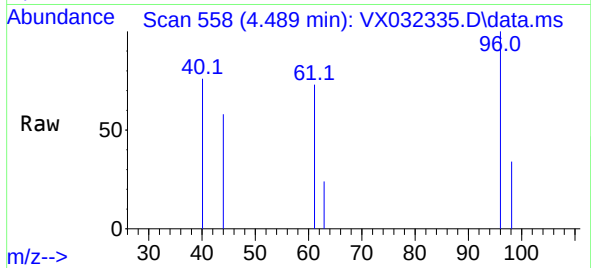
Acq: 24 Oct 2022 13:13

Instrument :

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ClientSampleId :

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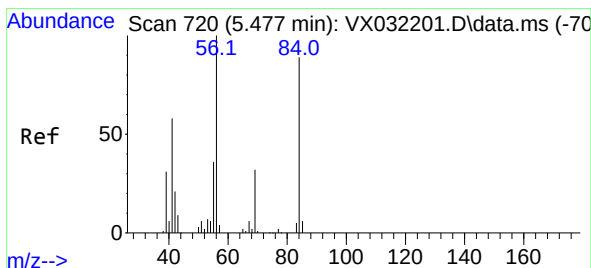
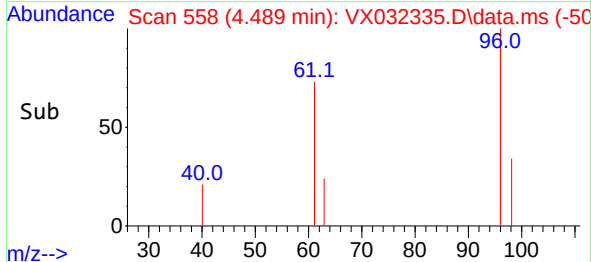
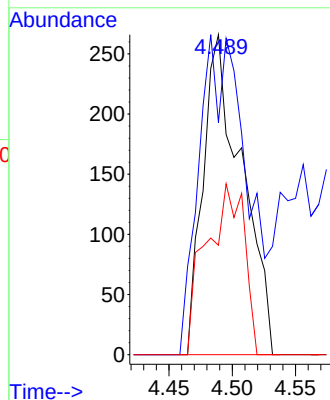
Tgt Ion: 96 Resp: 565

Ion Ratio Lower Upper

96 100

61 55.6 0.0 279.2

98 52.4 0.0 128.0



#31

Cyclohexane

Concen: 1.436 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX032335.D

Acq: 24 Oct 2022 13:13

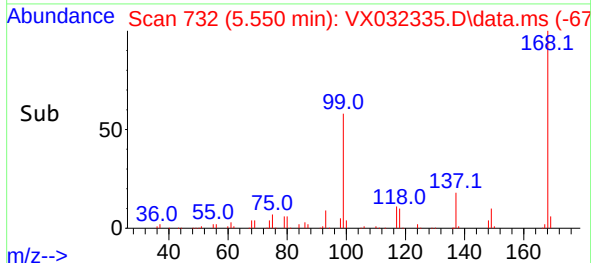
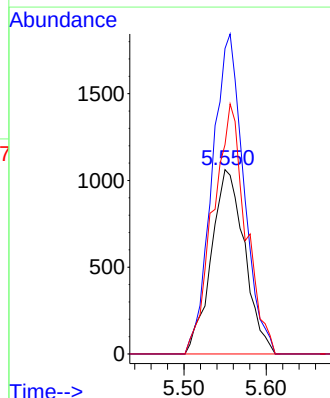
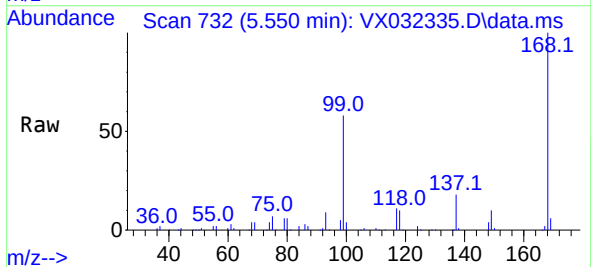
Tgt Ion: 56 Resp: 2986

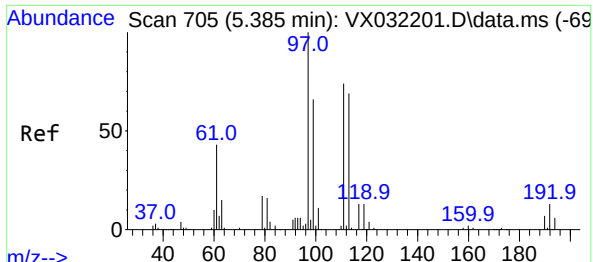
Ion Ratio Lower Upper

56 100

69 165.7 25.4 38.0#

84 113.6 71.2 106.8#





#32

1,1,1-Trichloroethane

Concen: 3.261 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032335.D

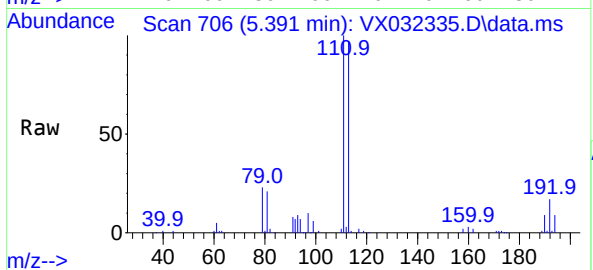
Acq: 24 Oct 2022 13:13

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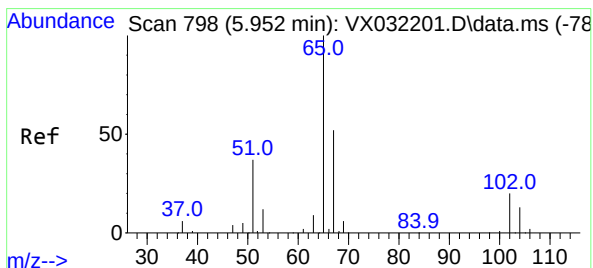
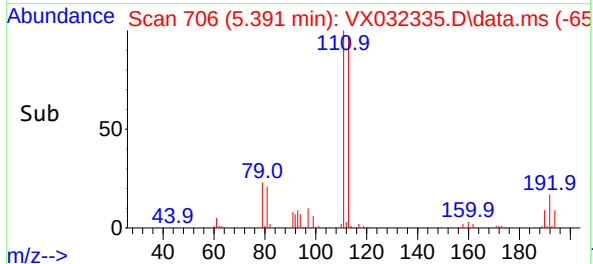
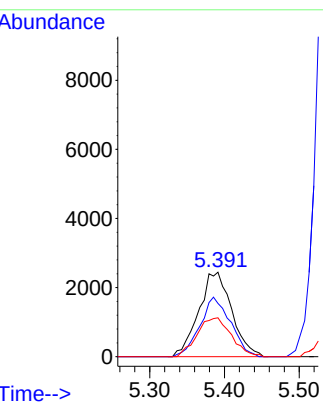
Tgt Ion: 97 Resp: 7506

Ion Ratio Lower Upper

97 100

99 65.2 51.8 77.8

61 47.7 35.7 53.5



#33

1,2-Dichloroethane-d4

Concen: 47.224 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX032335.D

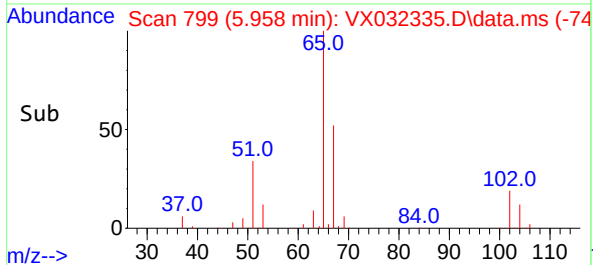
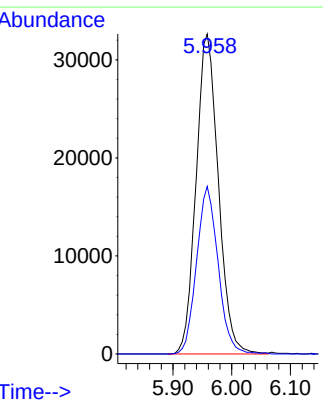
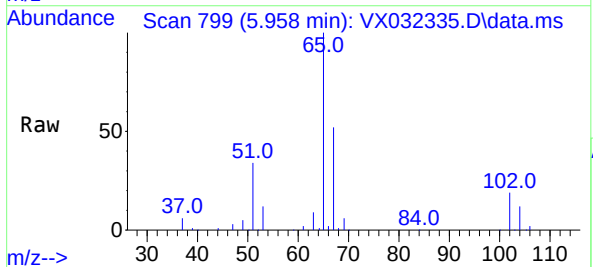
Acq: 24 Oct 2022 13:13

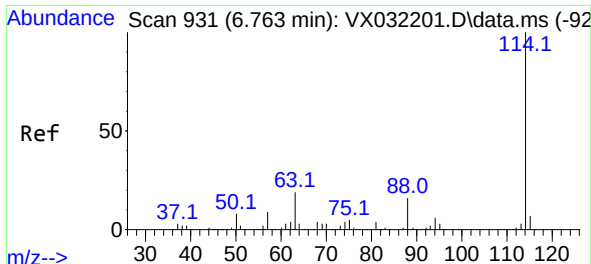
Tgt Ion: 65 Resp: 85884

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX032335.D

Acq: 24 Oct 2022 13:13

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-2-20221018DL

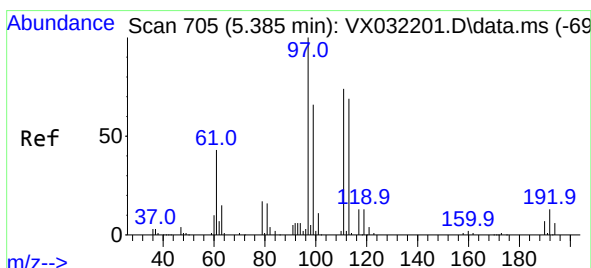
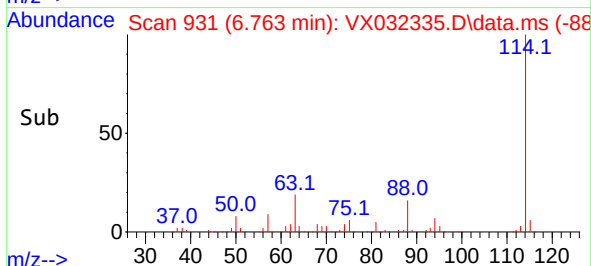
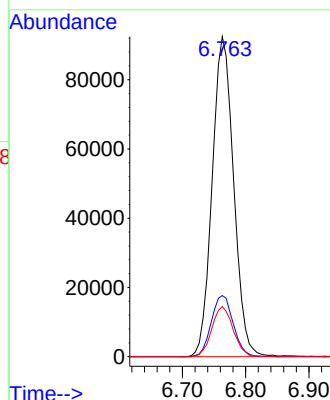
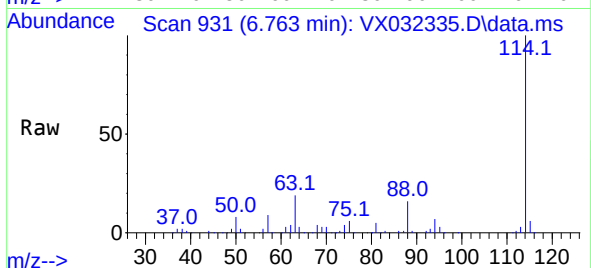
Tgt Ion:114 Resp: 217517

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.369 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX032335.D

Acq: 24 Oct 2022 13:13

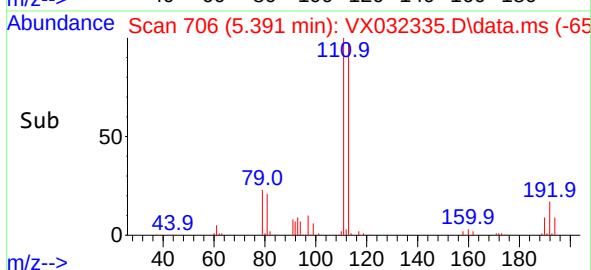
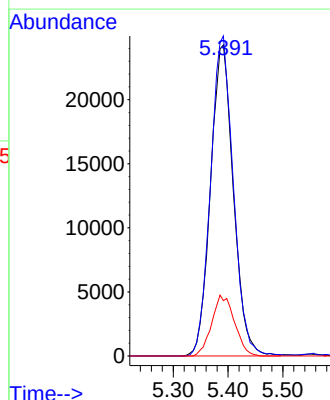
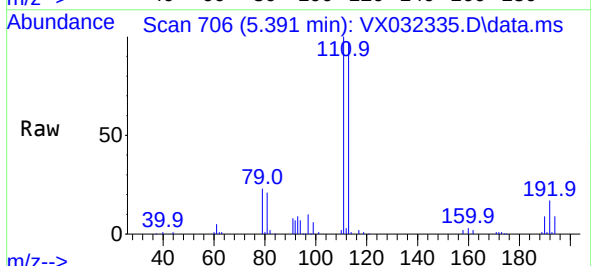
Tgt Ion:113 Resp: 70185

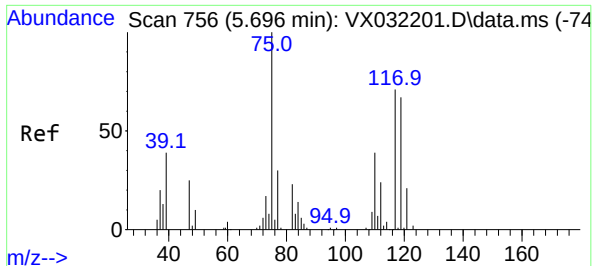
Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

192 19.4 15.5 23.3

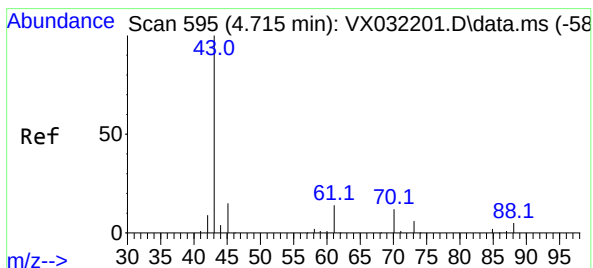
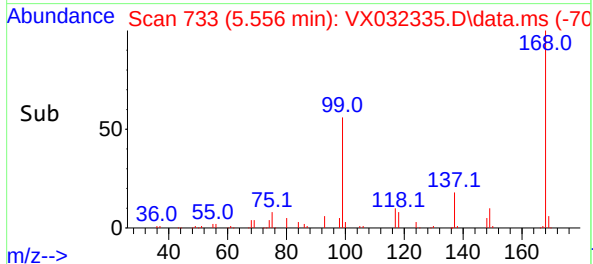
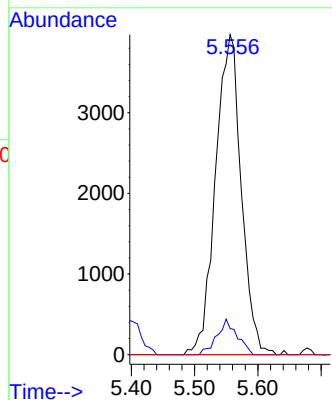
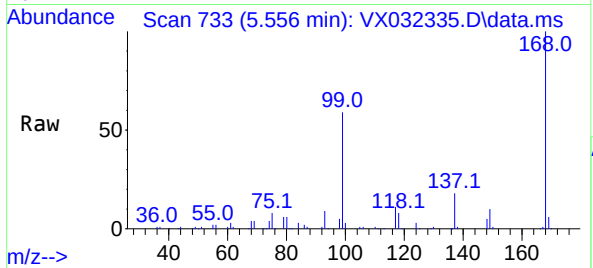




#36
1,1-Dichloropropene
Concen: 5.742 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

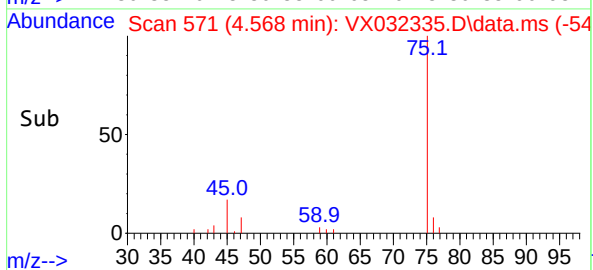
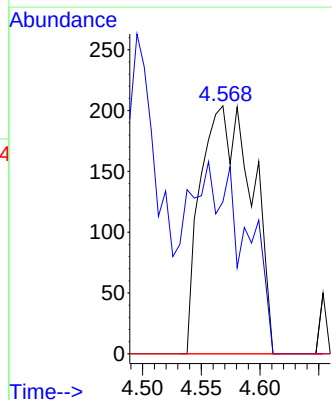
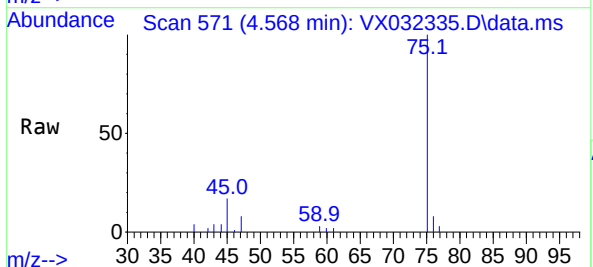
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-2-20221018DL

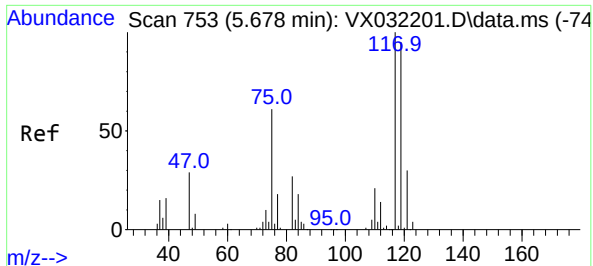
Tgt Ion: 75 Resp: 11180
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.0#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.326 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.147 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

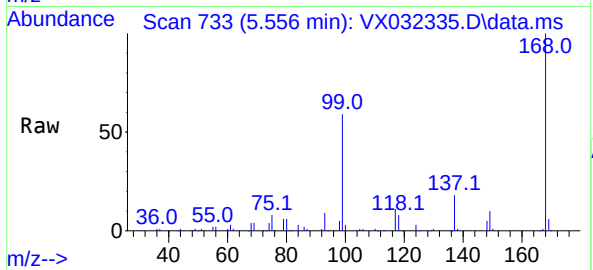
Tgt Ion: 43 Resp: 622
Ion Ratio Lower Upper
43 100
61 18.3 11.4 17.2#
70 0.0 8.8 13.2#



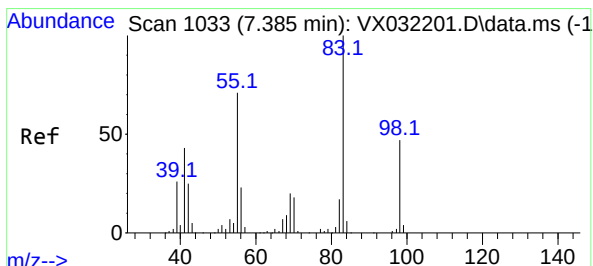
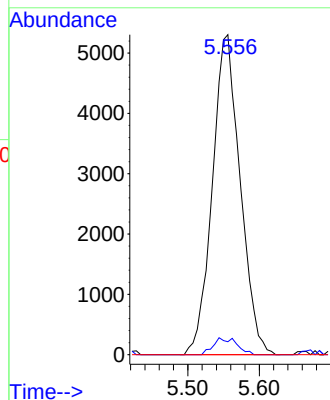
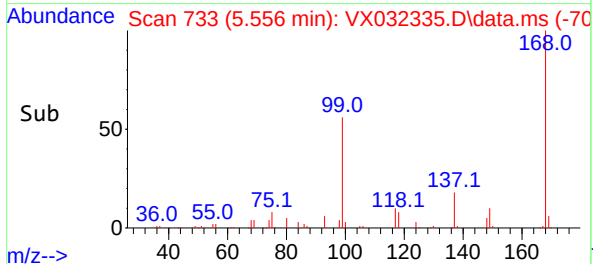


#38
Carbon Tetrachloride
Concen: 6.978 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

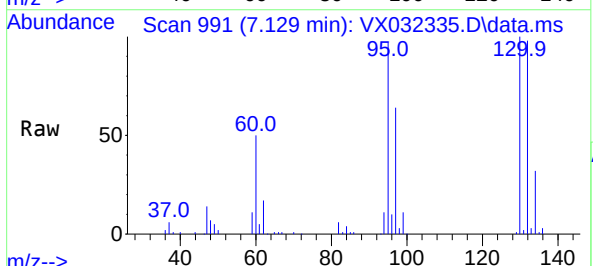
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-2-20221018DL



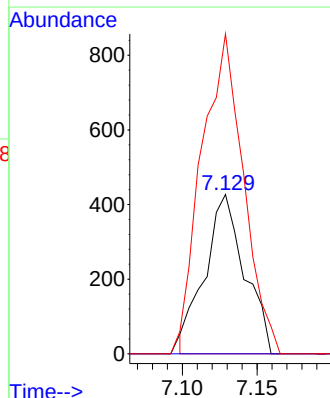
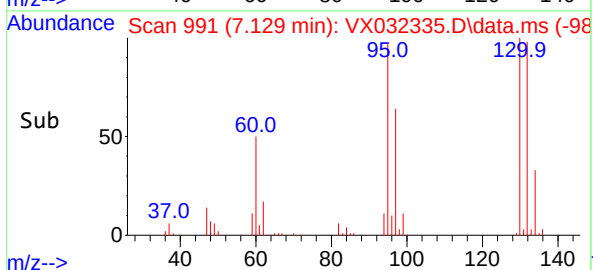
Tgt Ion:117 Resp: 14342
Ion Ratio Lower Upper
117 100
119 4.1 75.4 113.0#
121 0.0 23.9 35.9#

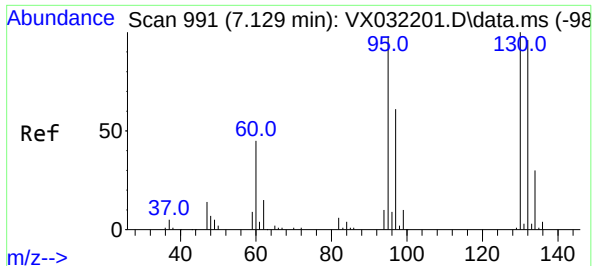


#39
Methylcyclohexane
Concen: 0.338 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13



Tgt Ion: 83 Resp: 787
Ion Ratio Lower Upper
83 100
55 0.0 56.6 85.0#
98 200.7 37.4 56.0#

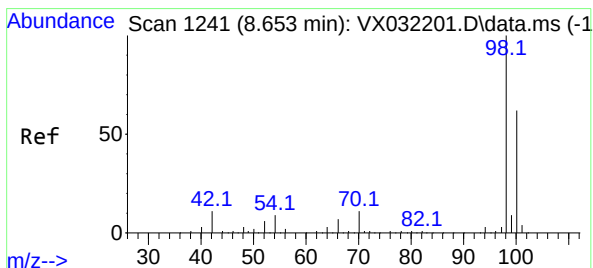
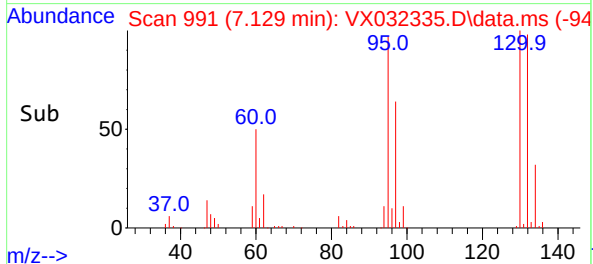
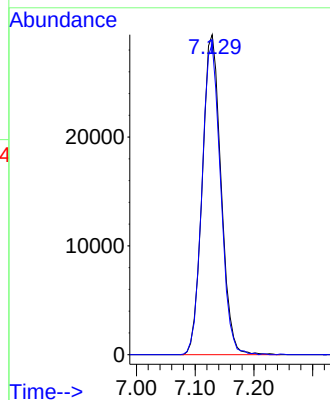
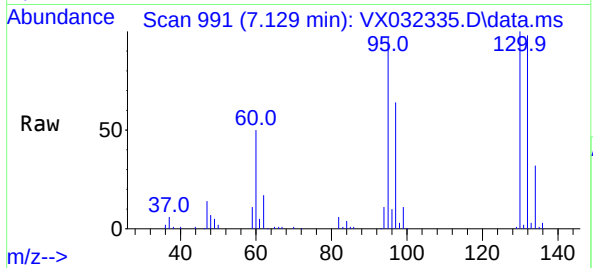




#44
Trichloroethene
Concen: 41.789 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

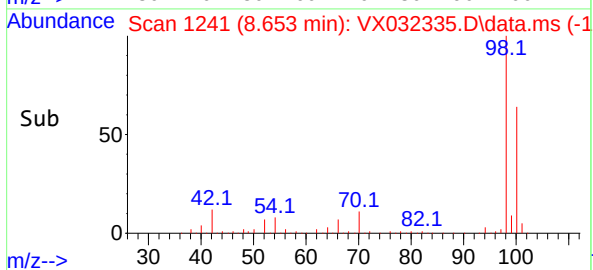
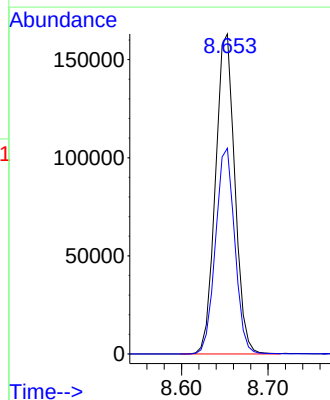
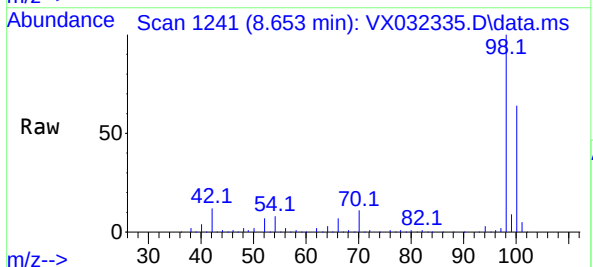
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-2-20221018DL

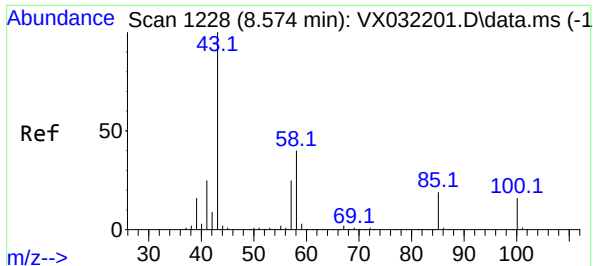
Tgt Ion:130 Resp: 64940
Ion Ratio Lower Upper
130 100
95 97.1 0.0 196.8



#50
Toluene-d8
Concen: 46.452 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

Tgt Ion: 98 Resp: 253099
Ion Ratio Lower Upper
98 100
100 64.0 50.7 76.1

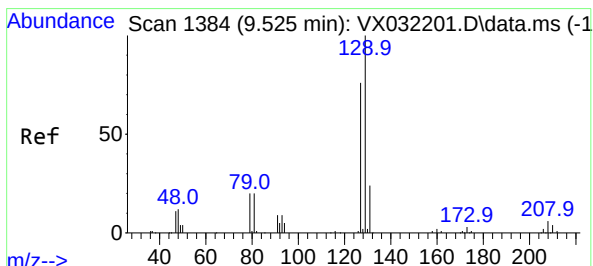
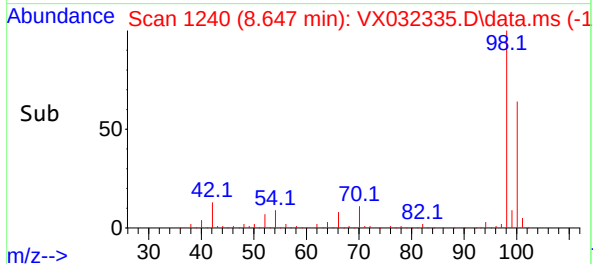
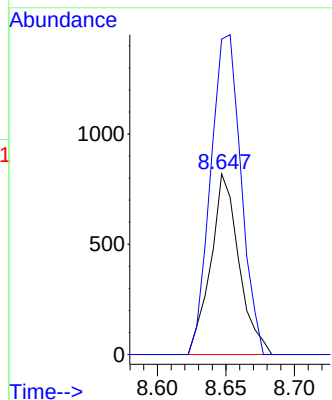
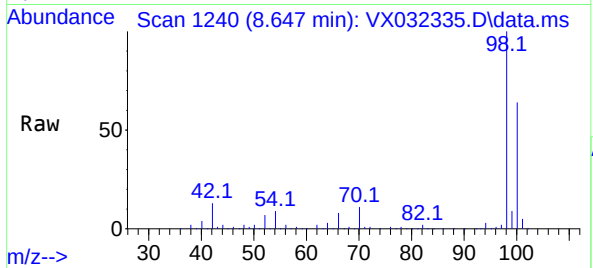




#51
4-Methyl-2-Pentanone
Concen: 0.626 ug/l
RT: 8.647 min Scan# 1174
Delta R.T. 0.073 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

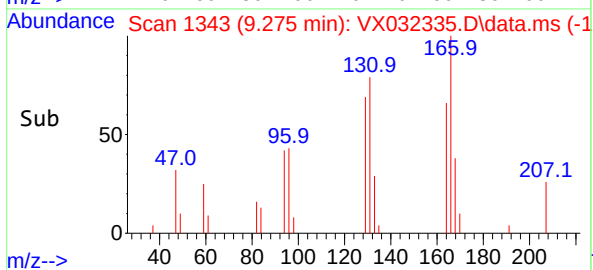
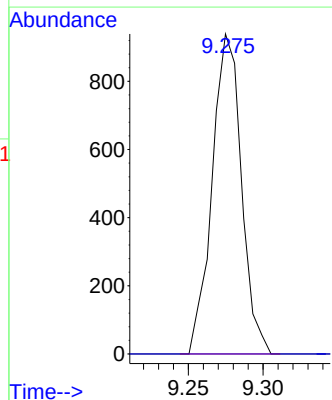
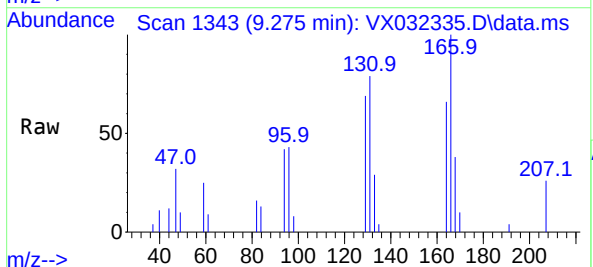
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-2-20221018DL

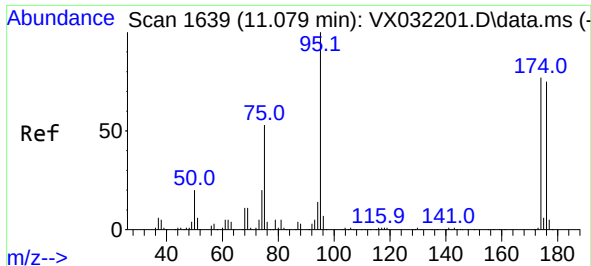
Tgt Ion: 43 Resp: 1174
Ion Ratio Lower Upper
43 100
58 190.2 31.0 46.4#



#60
Dibromochloromethane
Concen: 0.840 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

Tgt Ion: 129 Resp: 1279
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 44.622 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032335.D

Acq: 24 Oct 2022 13:13

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-2-20221018DL

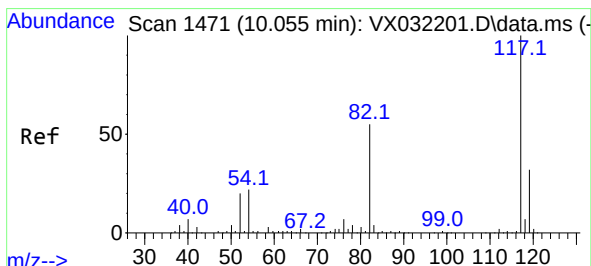
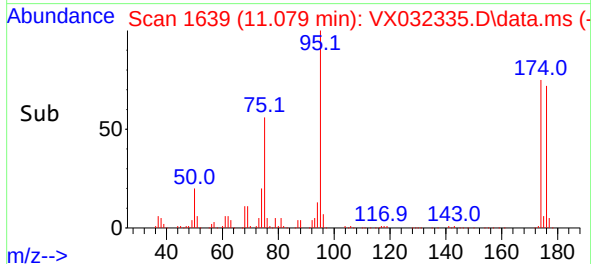
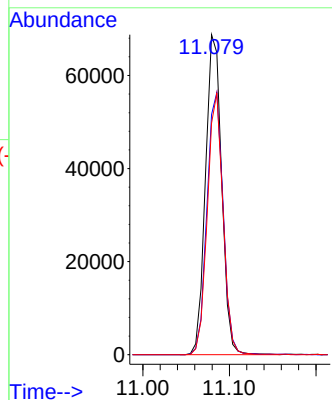
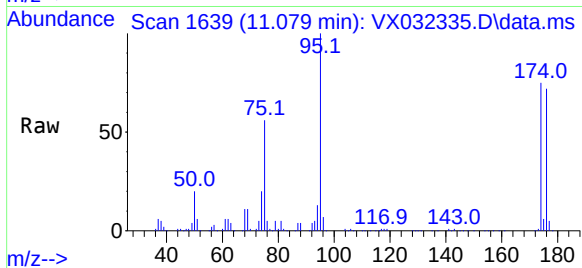
Tgt Ion: 95 Resp: 89030

Ion Ratio Lower Upper

95 100

174 82.2 0.0 166.8

176 79.6 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: VX032335.D

Acq: 24 Oct 2022 13:13

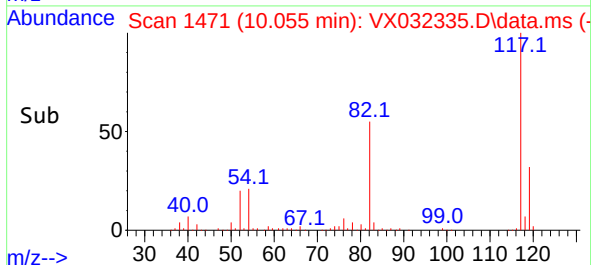
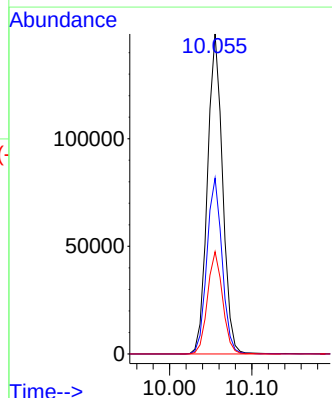
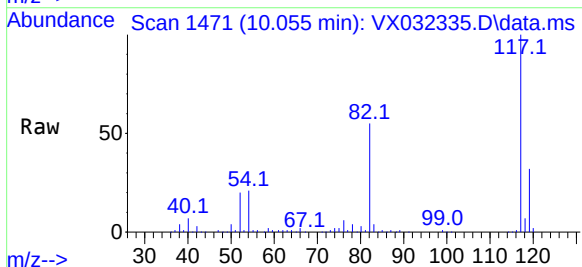
Tgt Ion: 117 Resp: 190109

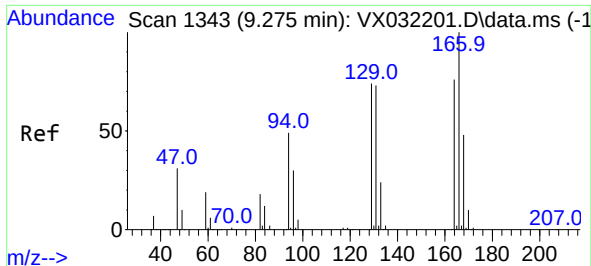
Ion Ratio Lower Upper

117 100

82 54.9 44.2 66.4

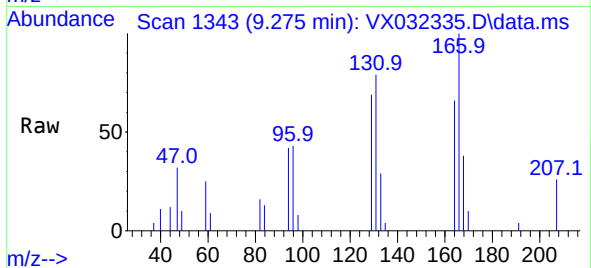
119 31.9 25.8 38.8



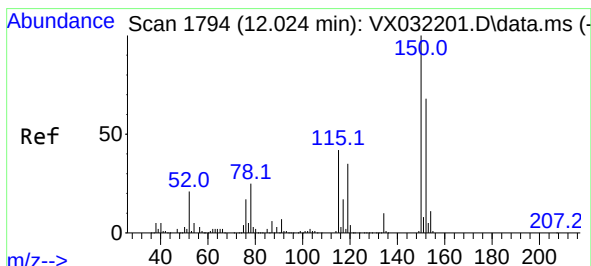
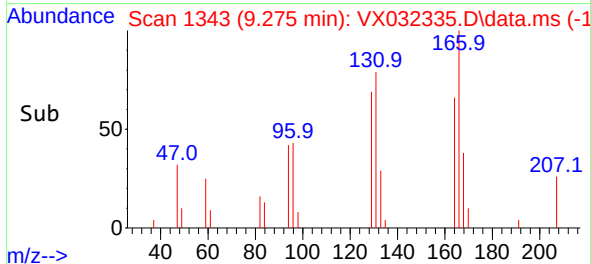
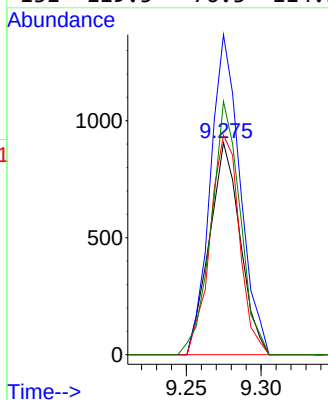


#64
Tetrachloroethene
Concen: 1.031 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-2-20221018DL

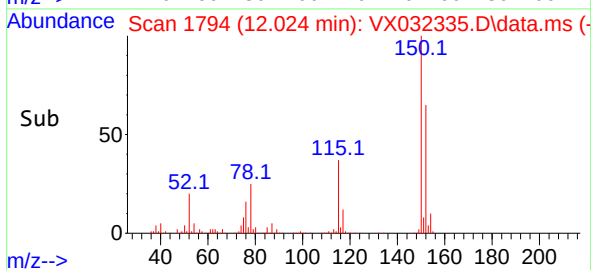
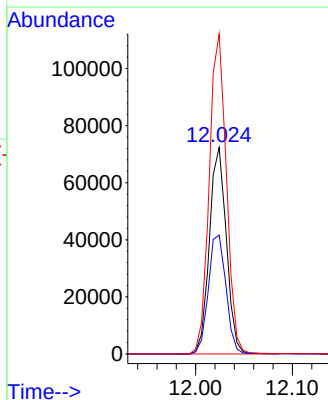
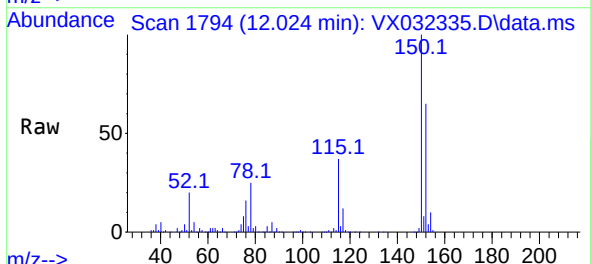


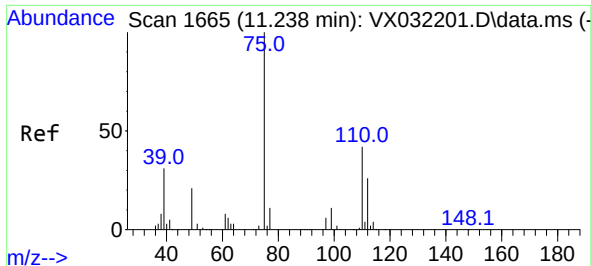
Tgt Ion:164 Resp: 1294
Ion Ratio Lower Upper
164 100
166 151.0 104.9 157.3
129 103.6 77.8 116.6
131 119.5 76.3 114.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

Tgt Ion:152 Resp: 88514
Ion Ratio Lower Upper
152 100
115 60.1 43.1 129.4
150 156.5 0.0 348.6

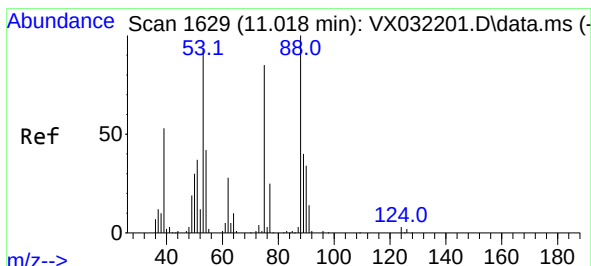
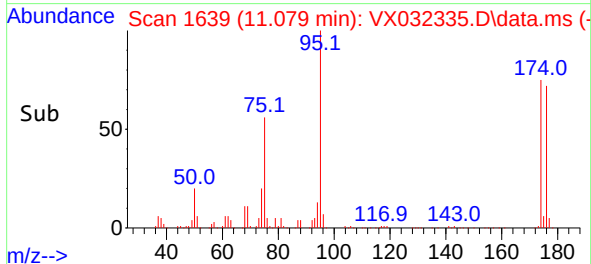
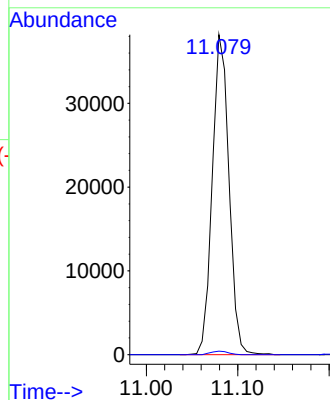
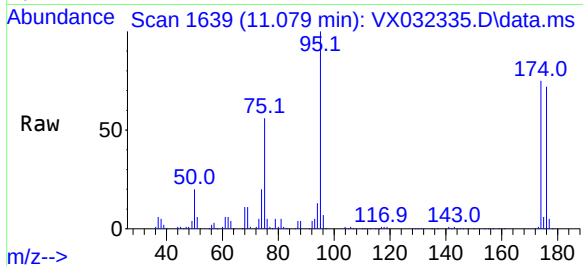




#76
1,2,3-Trichloropropane
Concen: 27.552 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-2-20221018DL

Tgt Ion: 75 Resp: 48321
Ion Ratio Lower Upper
75 100
77 1.1 16.0 47.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.539 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032335.D
Acq: 24 Oct 2022 13:13

Tgt Ion: 75 Resp: 48321
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#

