

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102422\
 Data File : VX032338.D
 Acq On : 24 Oct 2022 14:23
 Operator : JC/MD
 Sample : N5248-15DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-GEP-4-20221018DL

Quant Time: Oct 25 03:27:02 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)

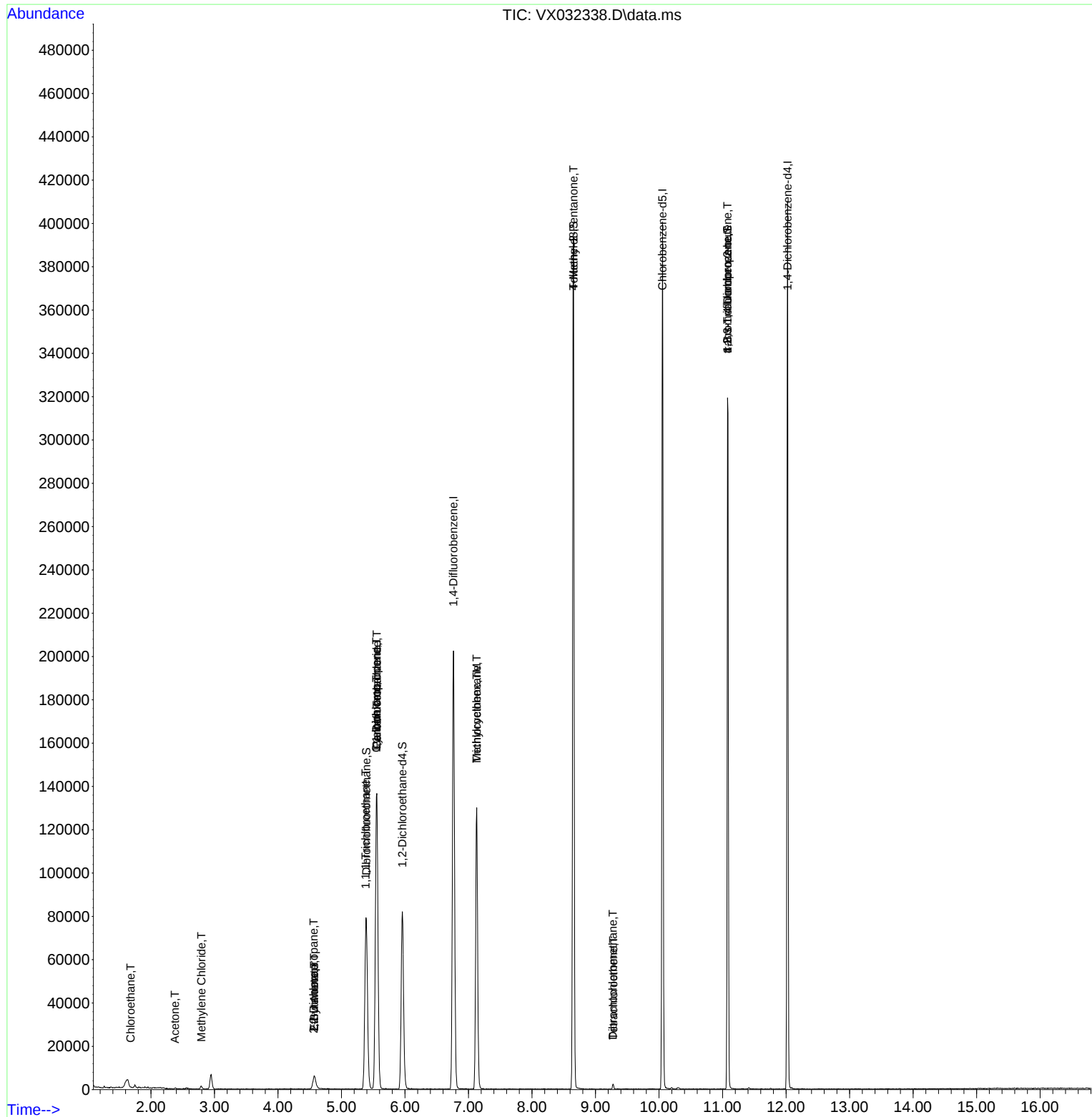
Internal Standards						
1) Pentafluorobenzene	5.556	168	131540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203672	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	175049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81550	47.657	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.320%
35) Dibromofluoromethane	5.391	113	66127	46.657	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.320%
50) Toluene-d8	8.653	98	236050	46.268	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.540%
62) 4-Bromofluorobenzene	11.079	95	80025	42.835	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.680%
Target Compounds						
					Qvalue	
6) Chloroethane	1.678	64	23	1.970	ug/l #	41
11) Tert butyl alcohol	2.947	59	3975	Below Cal	#	74
16) Acetone	2.380	43	475	0.855	ug/l #	89
20) Methylene Chloride	2.794	84	715	0.501	ug/l #	85
25) 2-Butanone	4.568	43	902	1.040	ug/l #	48
26) 2,2-Dichloropropane	4.562	77	484	0.288	ug/l #	52
31) Cyclohexane	5.550	56	2885	1.475	ug/l #	49
32) 1,1,1-Trichloroethane	5.379	97	2862	1.322	ug/l #	49
36) 1,1-Dichloropropene	5.550	75	9950	5.458	ug/l #	50
37) Ethyl Acetate	4.568	43	902	0.505	ug/l #	56
38) Carbon Tetrachloride	5.556	117	13284	6.902	ug/l #	16
39) Methylcyclohexane	7.129	83	566	0.260	ug/l #	1
44) Trichloroethene	7.129	130	49064	33.719	ug/l	96
51) 4-Methyl-2-Pentanone	8.653	43	1081	0.616	ug/l #	1
60) Dibromochloromethane	9.275	129	413	0.290	ug/l #	11
64) Tetrachloroethene	9.281	164	422	0.365	ug/l #	80
76) 1,2,3-Trichloropropane	11.079	75	43779	27.352	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	43779	83.947	ug/l #	6

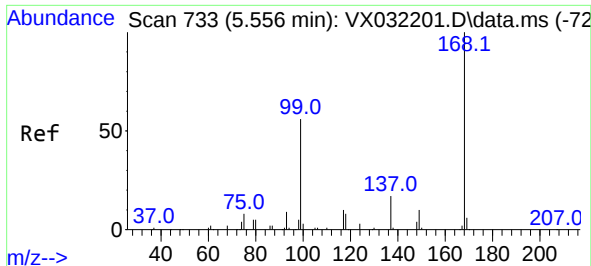
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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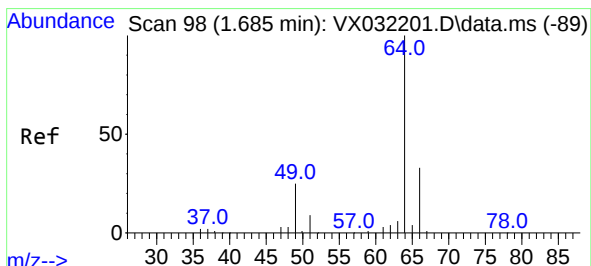
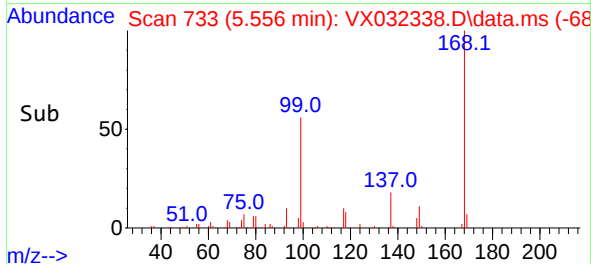
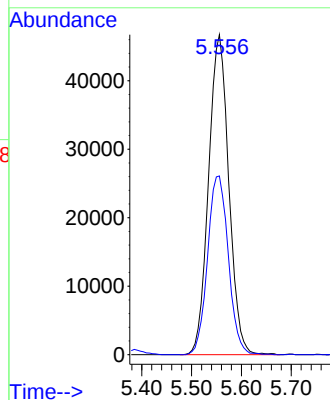
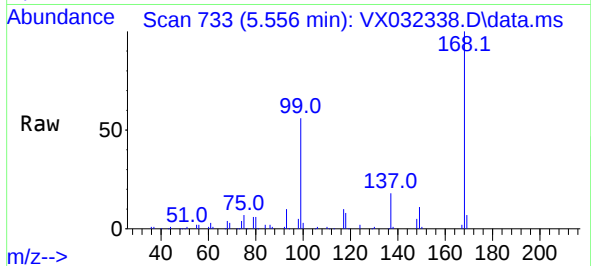




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

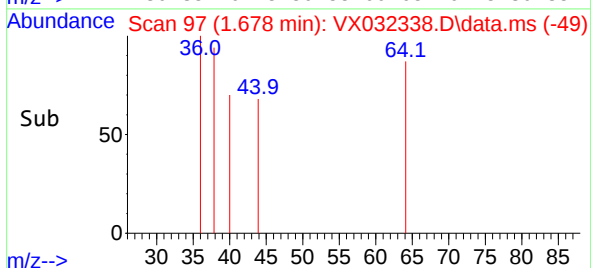
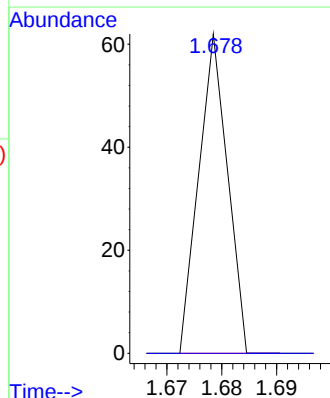
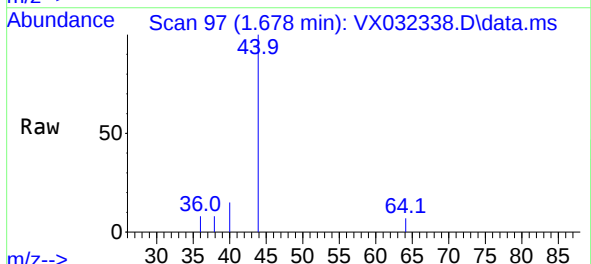
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-4-20221018DL

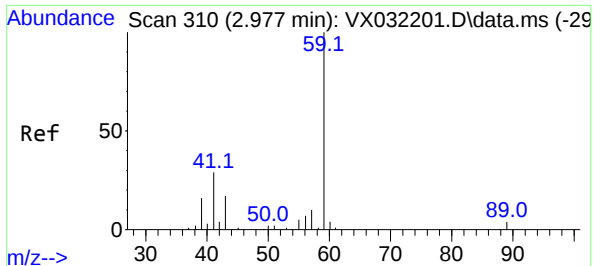
Tgt Ion:168 Resp: 131540
Ion Ratio Lower Upper
168 100
99 55.8 44.8 67.2



#6
Chloroethane
Concen: 1.970 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.007 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

Tgt Ion: 64 Resp: 23
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.030 min

Lab File: VX032338.D

Acq: 24 Oct 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

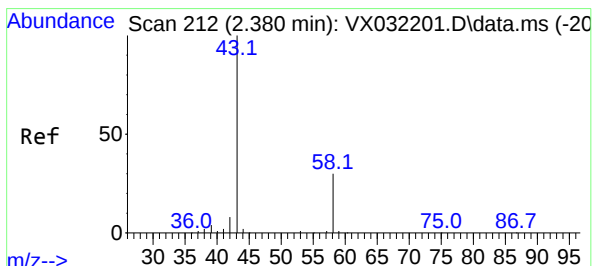
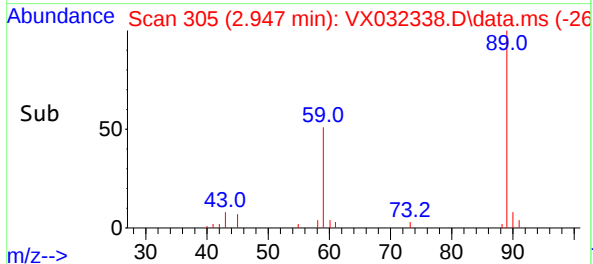
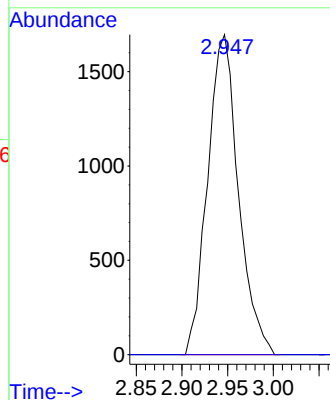
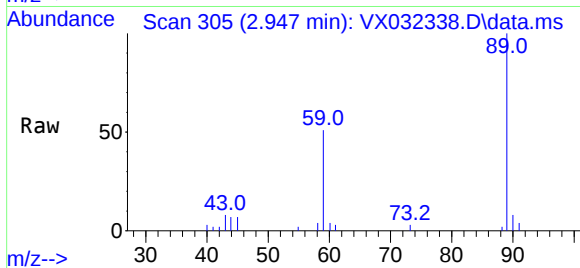
FSND-GEP-4-20221018DL

Tgt Ion: 59 Resp: 3975

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#



#16

Acetone

Concen: 0.855 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX032338.D

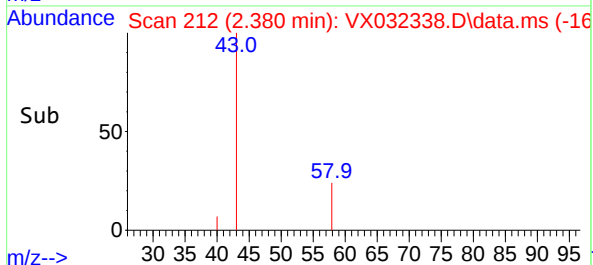
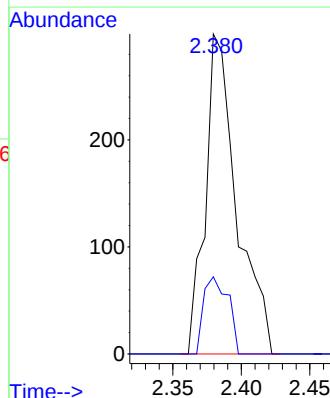
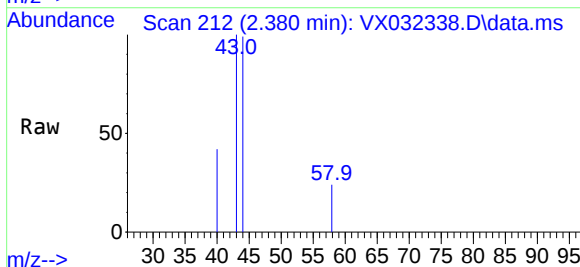
Acq: 24 Oct 2022 14:23

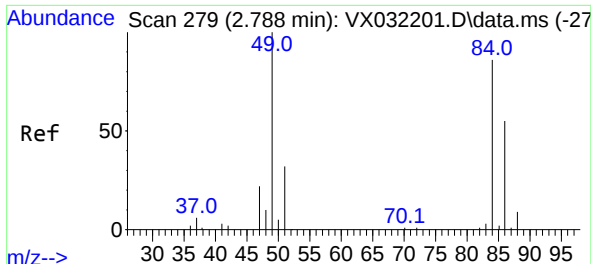
Tgt Ion: 43 Resp: 475

Ion Ratio Lower Upper

43 100

58 24.1 24.2 36.2#

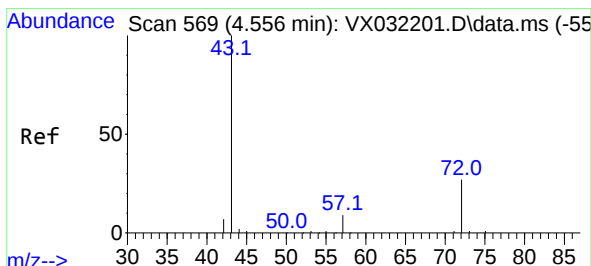
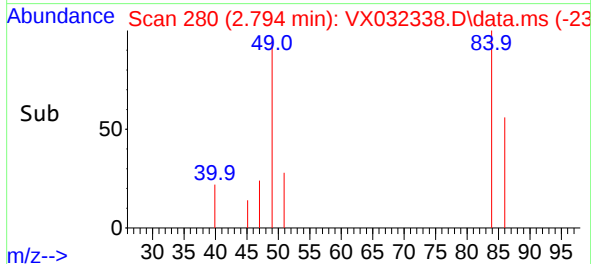
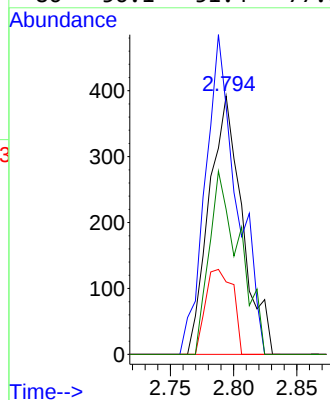
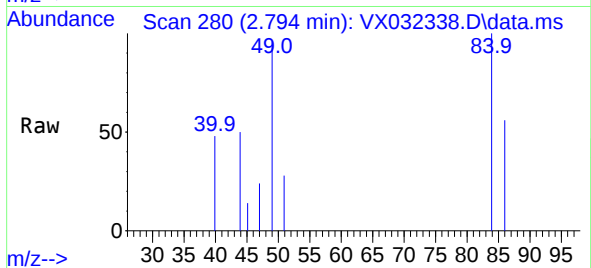




#20
Methylene Chloride
Concen: 0.501 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

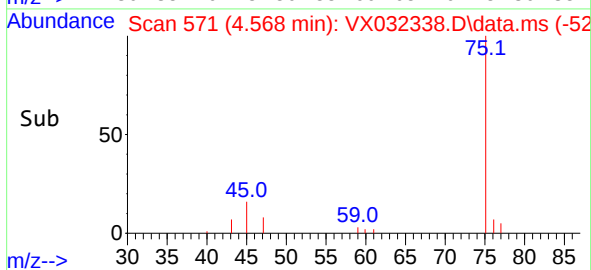
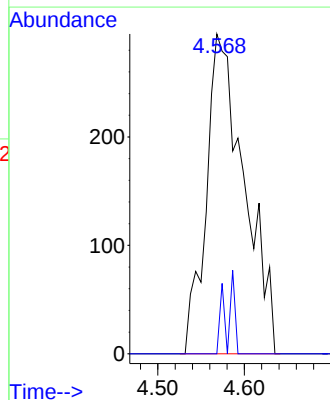
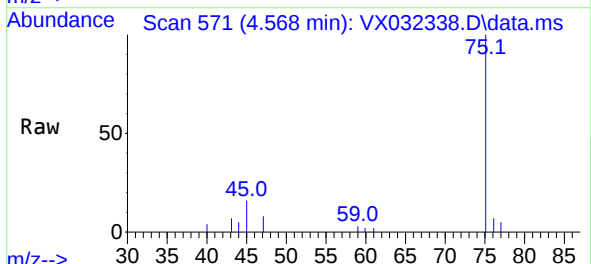
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-4-20221018DL

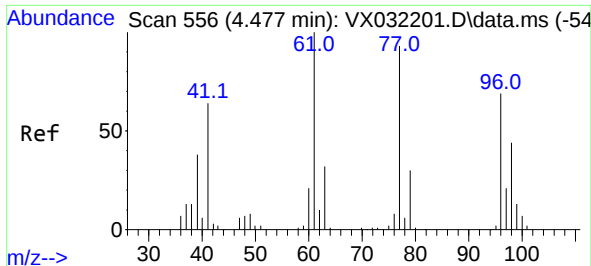
Tgt Ion:	84	Resp:	715
Ion	Ratio	Lower	Upper
84	100		
49	95.9	92.6	139.0
51	28.1	29.2	43.8#
86	56.1	51.4	77.0



#25
2-Butanone
Concen: 1.040 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

Tgt Ion:	43	Resp:	902
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#





#26

2,2-Dichloropropane

Concen: 0.288 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.085 min

Lab File: VX032338.D

Acq: 24 Oct 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

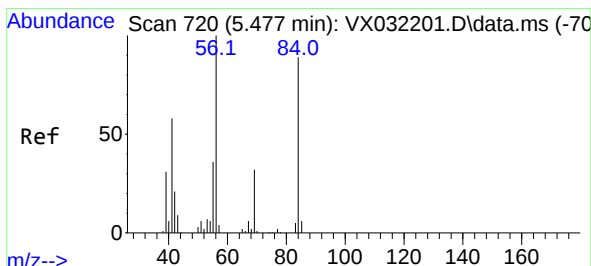
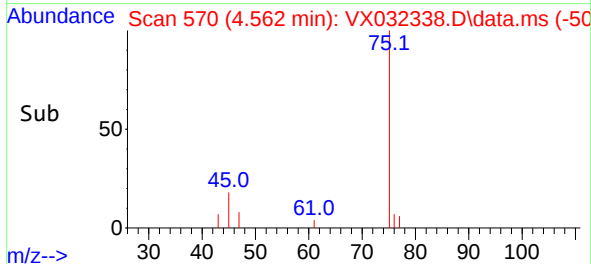
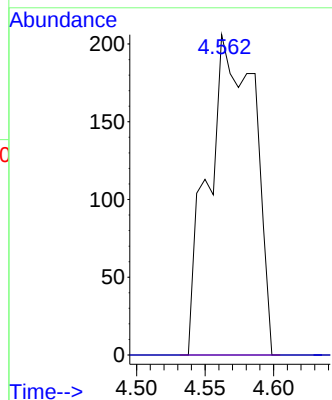
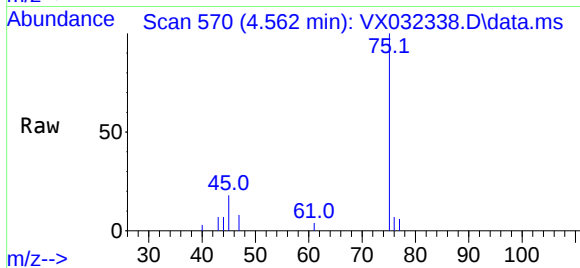
FSND-GEP-4-20221018DL

Tgt Ion: 77 Resp: 484

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



#31

Cyclohexane

Concen: 1.475 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX032338.D

Acq: 24 Oct 2022 14:23

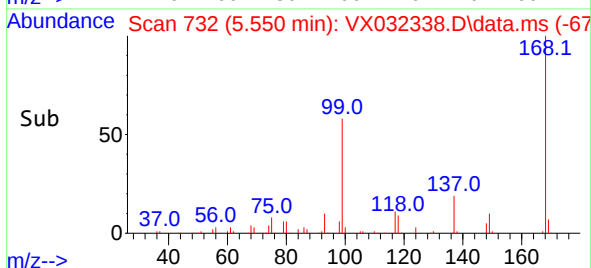
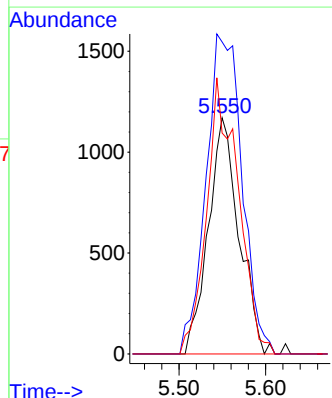
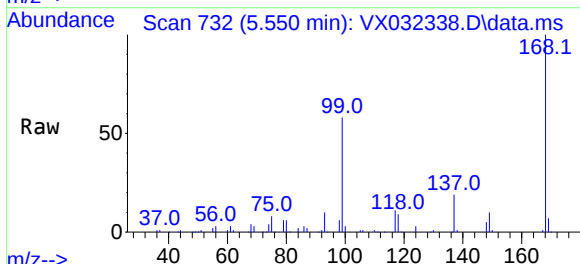
Tgt Ion: 56 Resp: 2885

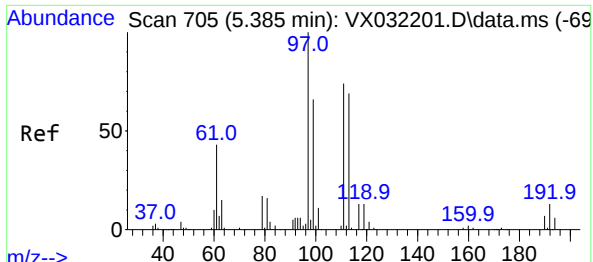
Ion Ratio Lower Upper

56 100

69 132.1 25.4 38.0#

84 93.6 71.2 106.8





#32

1,1,1-Trichloroethane

Concen: 1.322 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX032338.D

Acq: 24 Oct 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-4-20221018DL

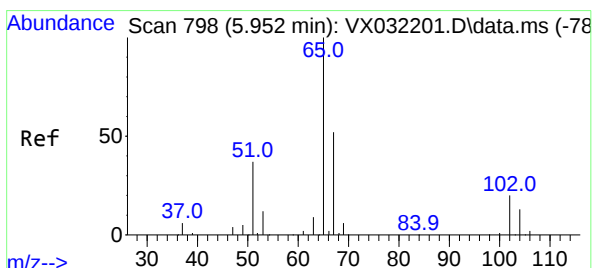
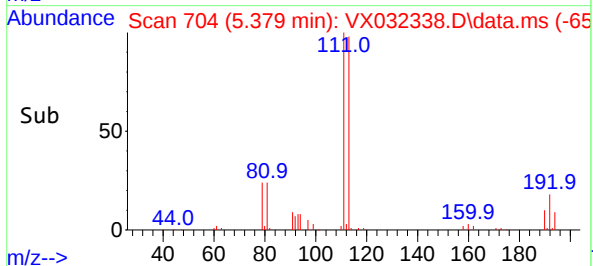
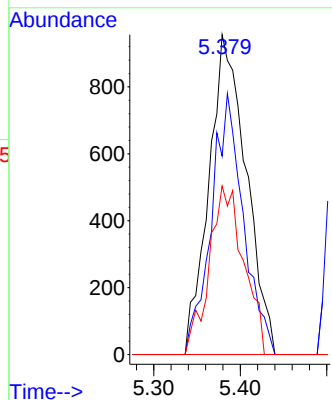
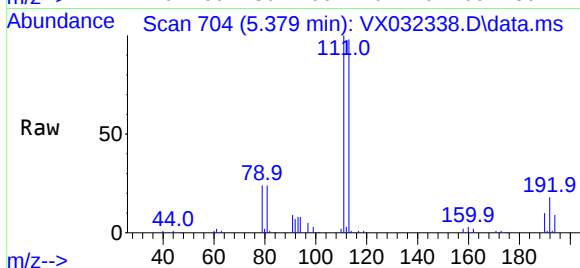
Tgt Ion: 97 Resp: 2862

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.8#

61 48.7 35.7 53.5



#33

1,2-Dichloroethane-d4

Concen: 47.657 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX032338.D

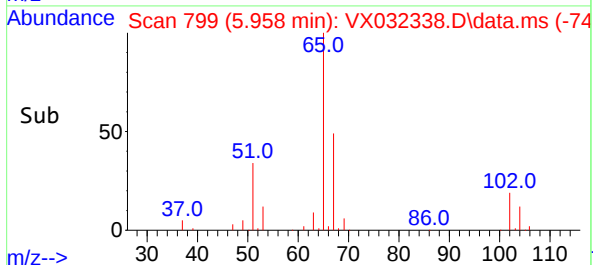
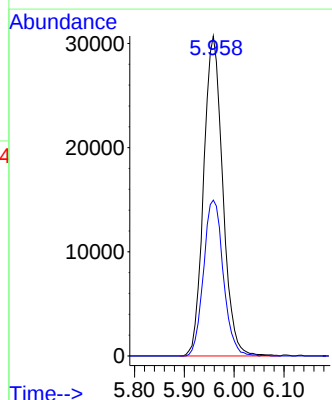
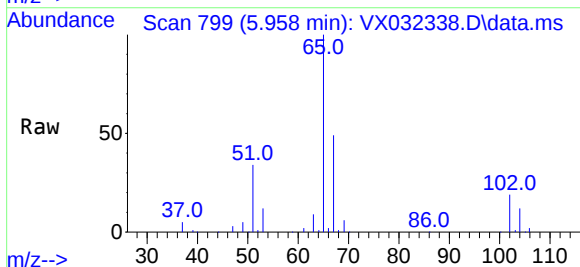
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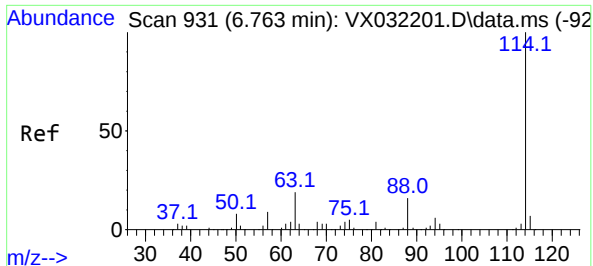
Tgt Ion: 65 Resp: 81550

Ion Ratio Lower Upper

65 100

67 50.4 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: VX032338.D

Acq: 24 Oct 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-4-20221018DL

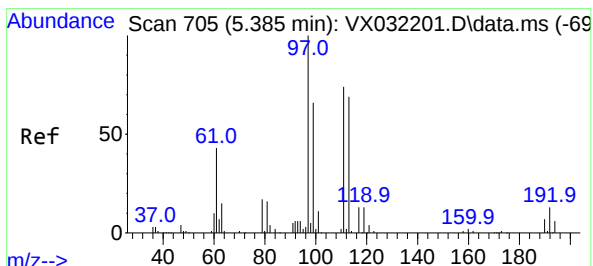
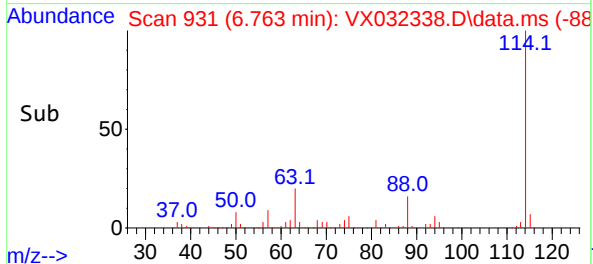
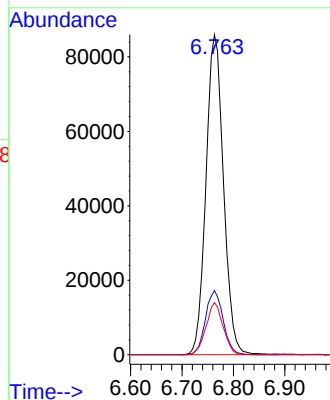
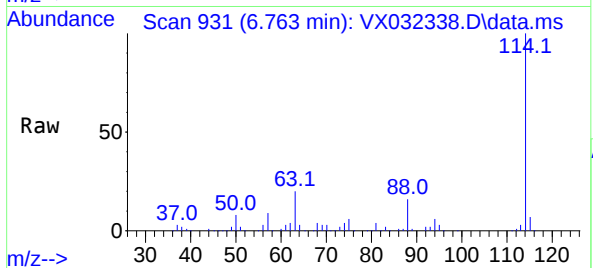
Tgt Ion:114 Resp: 203672

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.6

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.657 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX032338.D

Acq: 24 Oct 2022 14:23

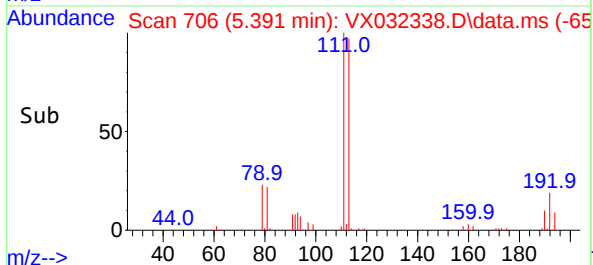
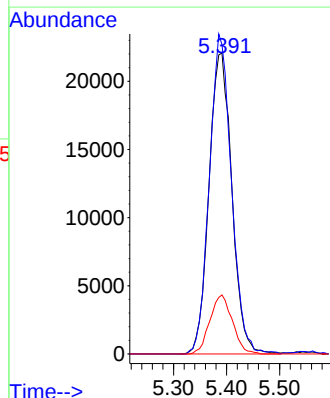
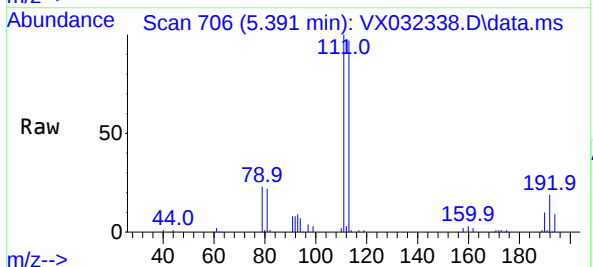
Tgt Ion:113 Resp: 66127

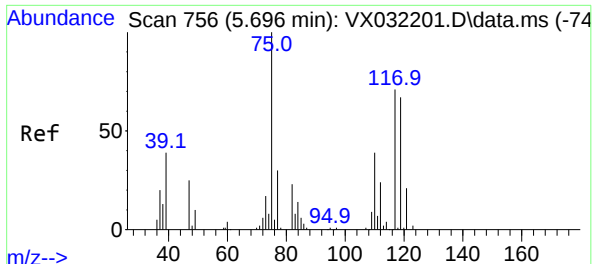
Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

192 19.3 15.5 23.3

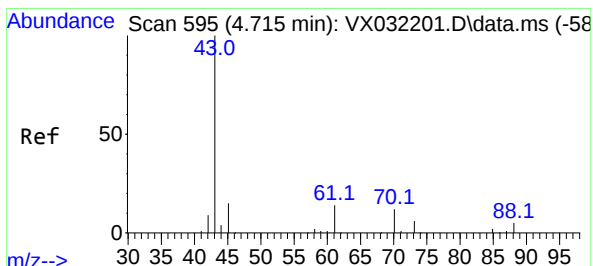
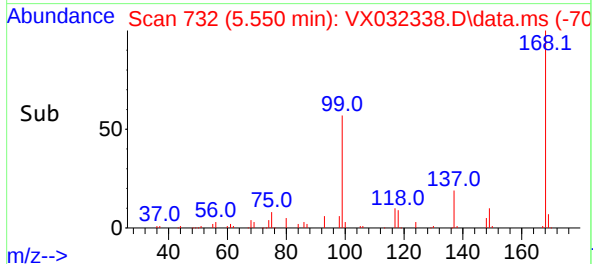
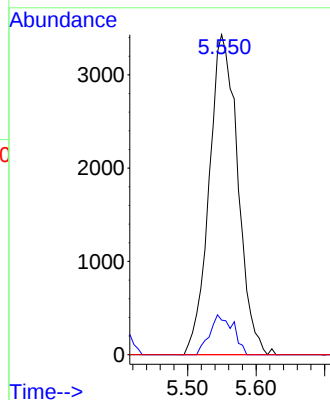
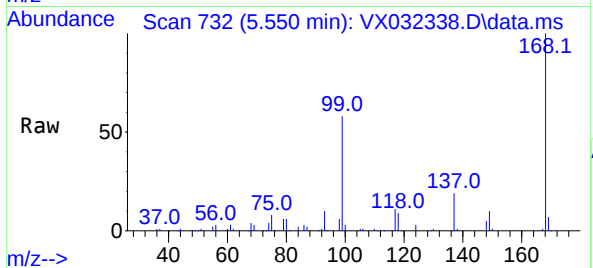




#36
1,1-Dichloropropene
Concen: 5.458 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

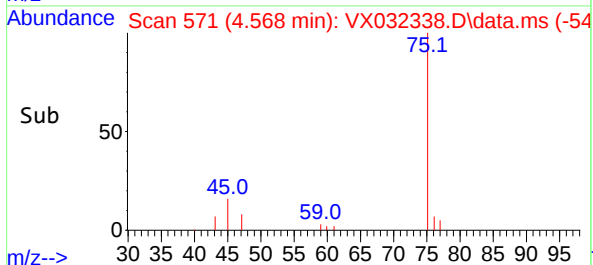
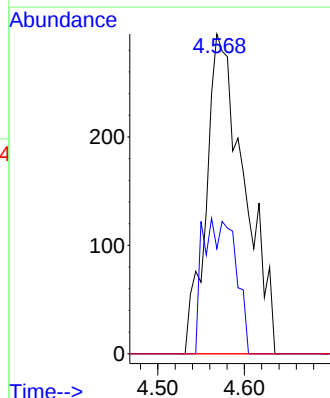
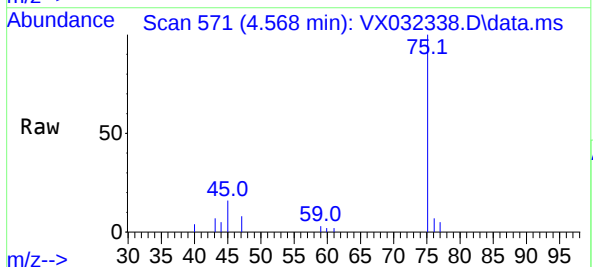
Instrument :
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FSND-GEP-4-20221018DL

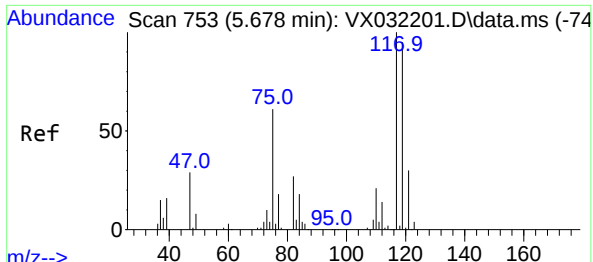
Tgt Ion: 75 Resp: 9950
Ion Ratio Lower Upper
75 100
110 10.2 18.4 55.0#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.505 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.147 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

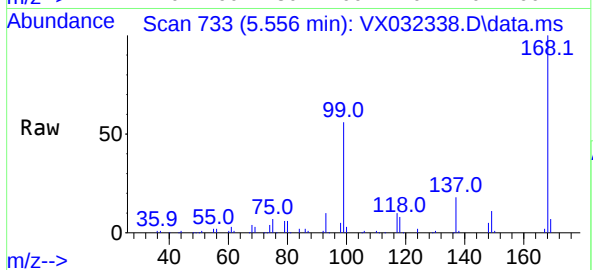
Tgt Ion: 43 Resp: 902
Ion Ratio Lower Upper
43 100
61 36.7 11.4 17.2#
70 0.0 8.8 13.2#



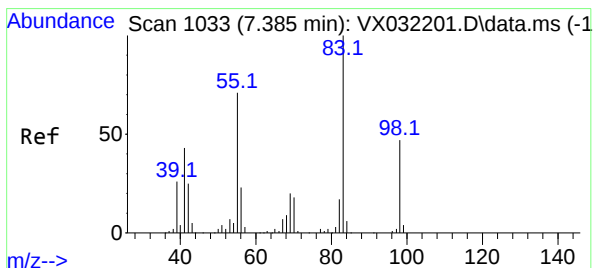
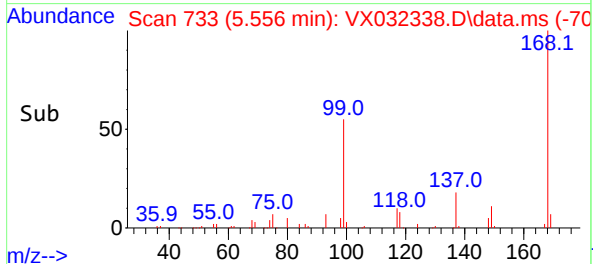
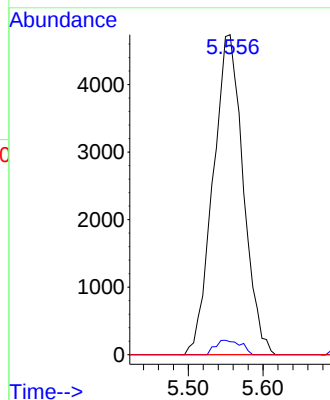


#38
Carbon Tetrachloride
Concen: 6.902 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

Instrument : MSVOA_X
ClientSampleId : FSND-GEP-4-20221018DL

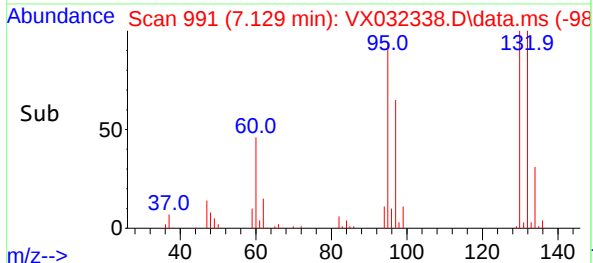
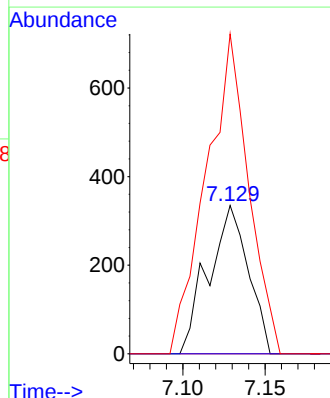
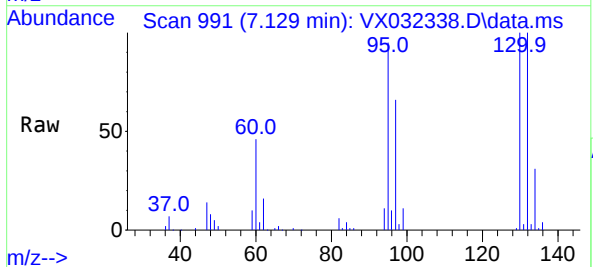


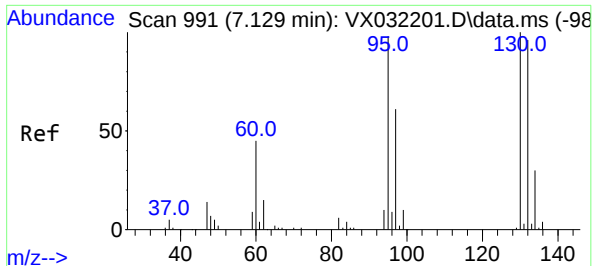
Tgt Ion:117 Resp: 13284
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.0#
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 0.260 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

Tgt Ion: 83 Resp: 566
Ion Ratio Lower Upper
83 100
55 0.0 56.6 85.0#
98 215.5 37.4 56.0#





#44

Trichloroethene

Concen: 33.719 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX032338.D

Acq: 24 Oct 2022 14:23

Instrument :

MSVOA_X

ClientSampleId :

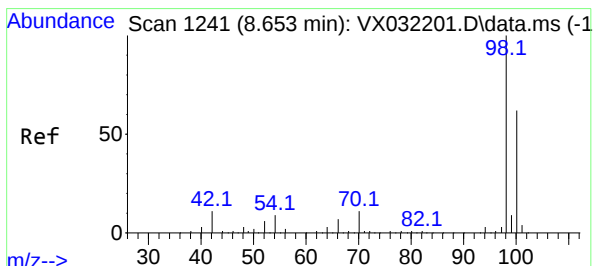
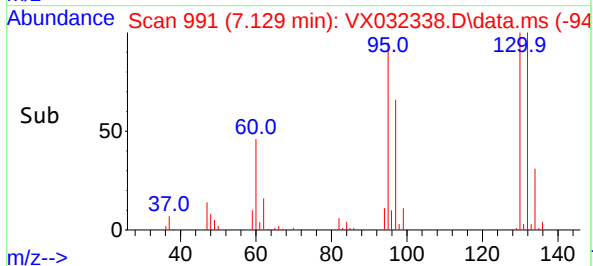
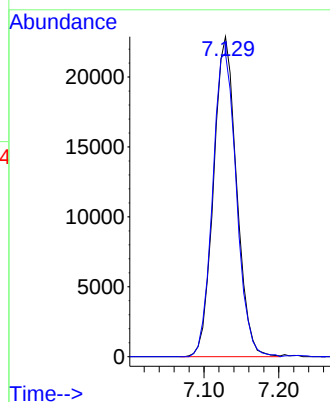
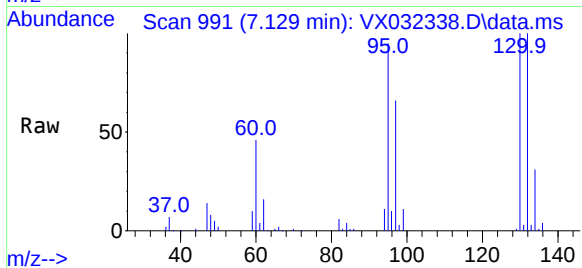
FSND-GEP-4-20221018DL

Tgt Ion:130 Resp: 49064

Ion Ratio Lower Upper

130 100

95 94.8 0.0 196.8



#50

Toluene-d8

Concen: 46.268 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX032338.D

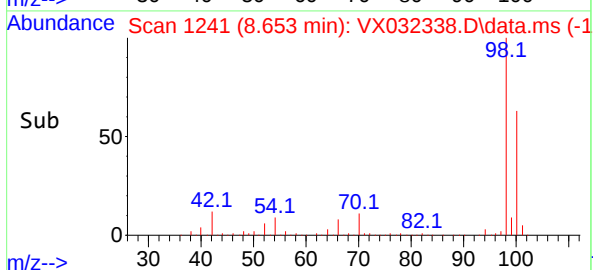
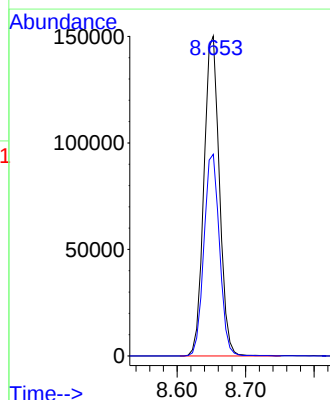
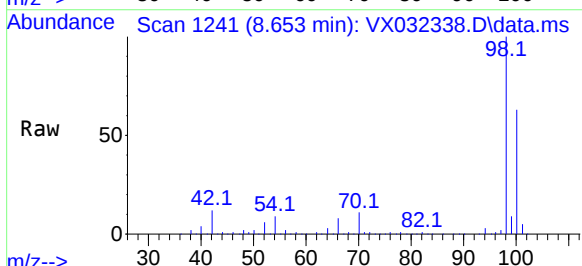
Acq: 24 Oct 2022 14:23

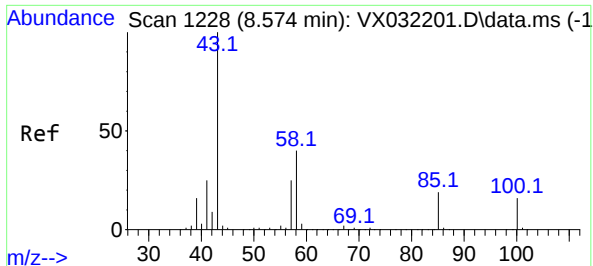
Tgt Ion: 98 Resp: 236050

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1

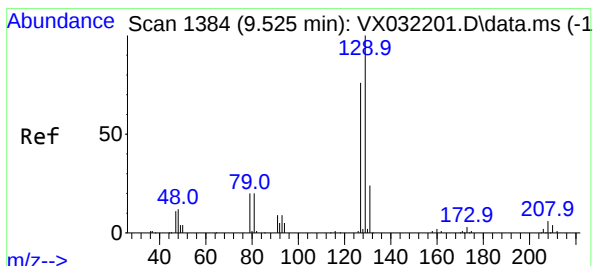
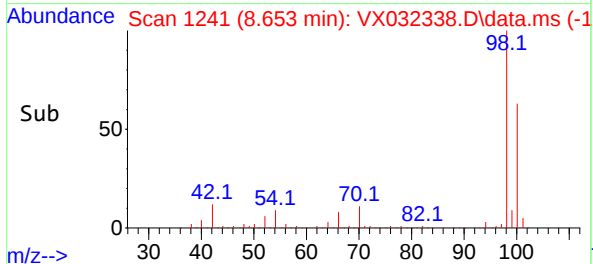
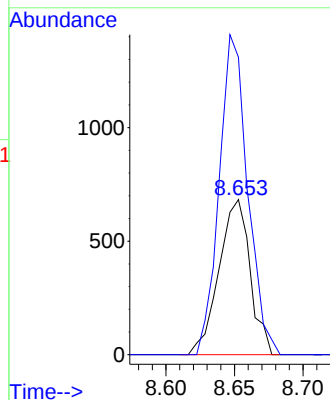
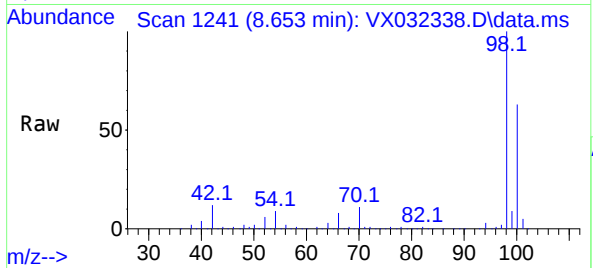




#51
4-Methyl-2-Pentanone
Concen: 0.616 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

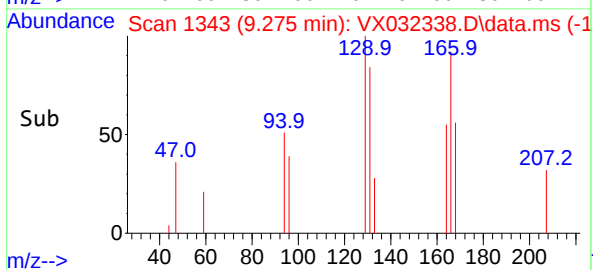
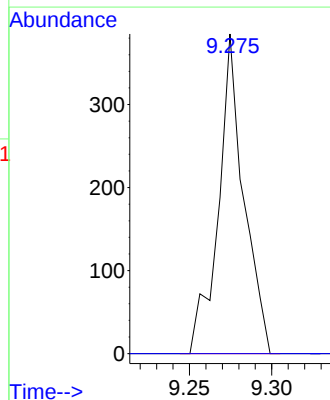
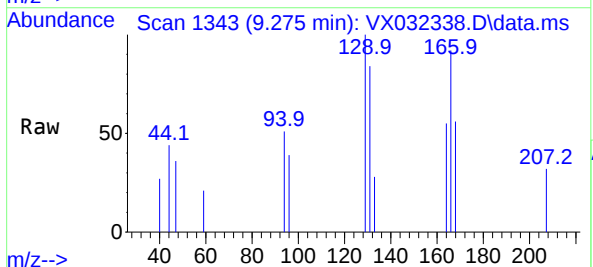
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-4-20221018DL

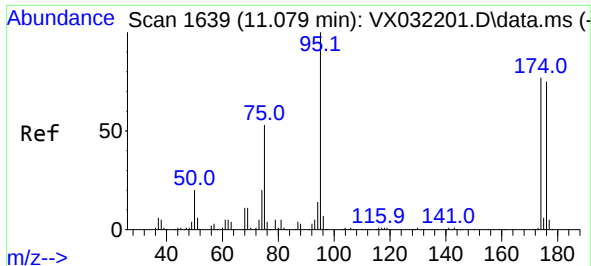
Tgt Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
58 188.7 31.0 46.4#



#60
Dibromochloromethane
Concen: 0.290 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

Tgt Ion: 129 Resp: 413
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

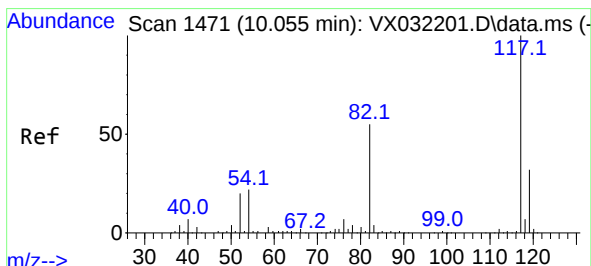
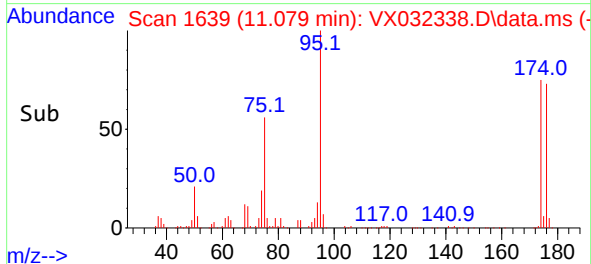
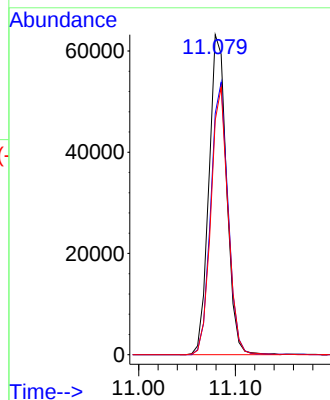
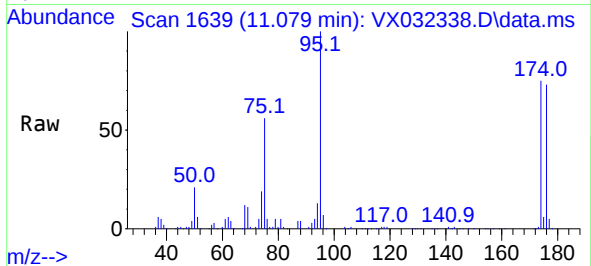




#62
4-Bromofluorobenzene
Concen: 42.835 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

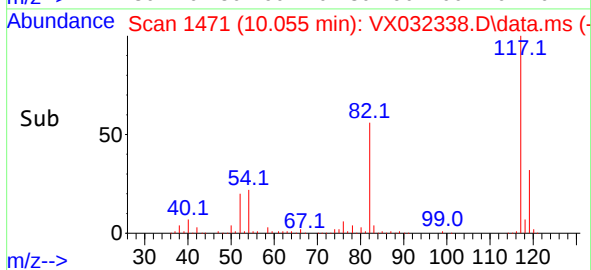
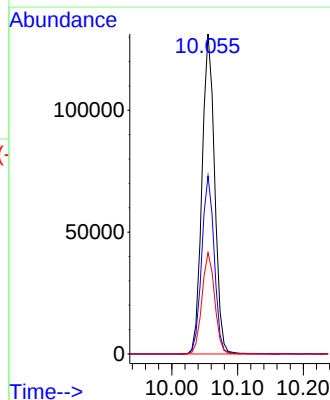
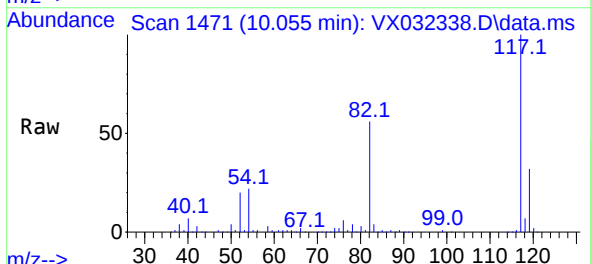
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-4-20221018DL

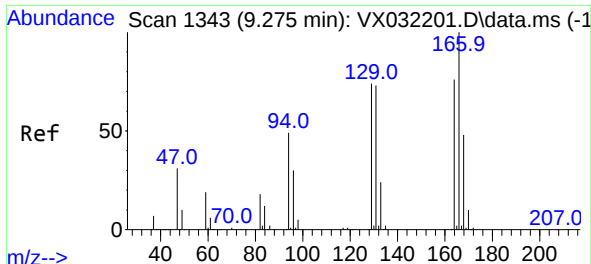
Tgt Ion: 95 Resp: 80025
Ion Ratio Lower Upper
95 100
174 83.7 0.0 166.8
176 81.2 0.0 161.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

Tgt Ion: 117 Resp: 175049
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.4
119 31.7 25.8 38.8



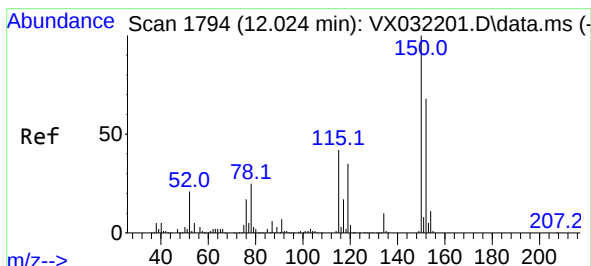
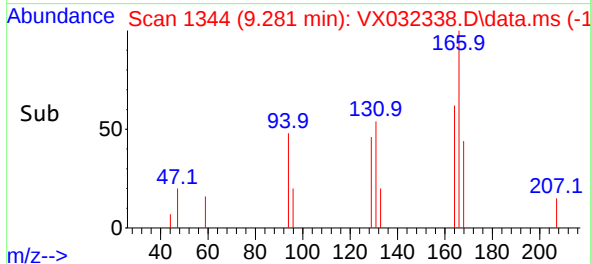
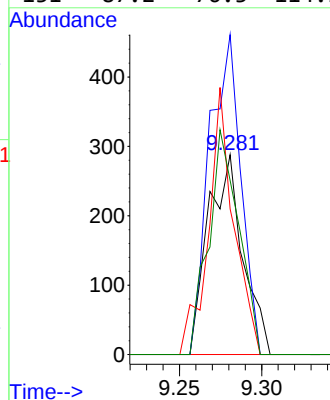
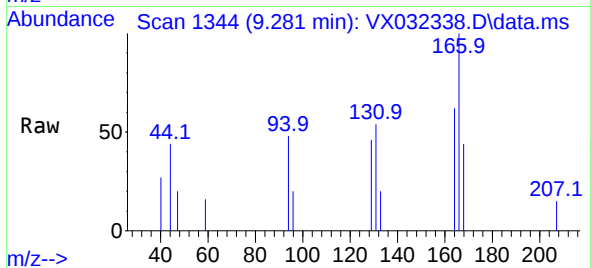


#64
Tetrachloroethene
Concen: 0.365 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-4-20221018DL

Tgt Ion:164 Resp: 422

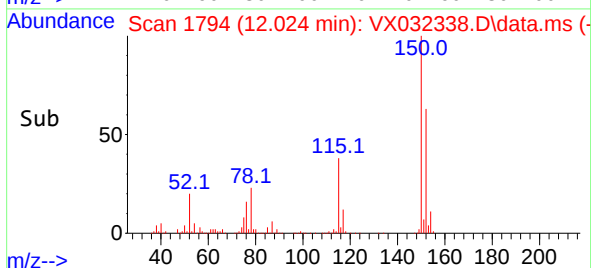
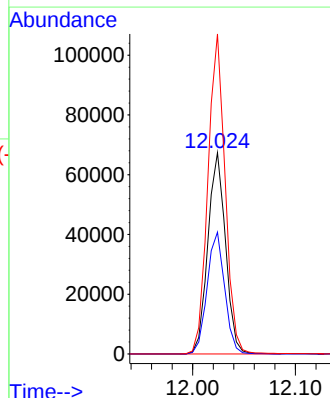
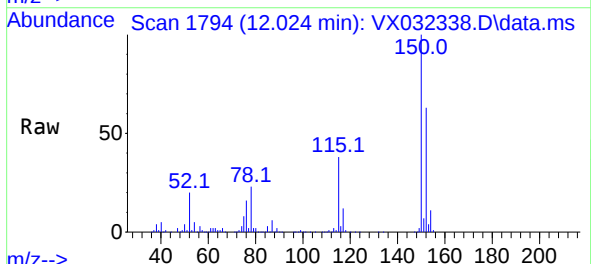
Ion	Ratio	Lower	Upper
164	100		
166	160.1	104.9	157.3#
129	72.9	77.8	116.6#
131	87.2	76.3	114.5

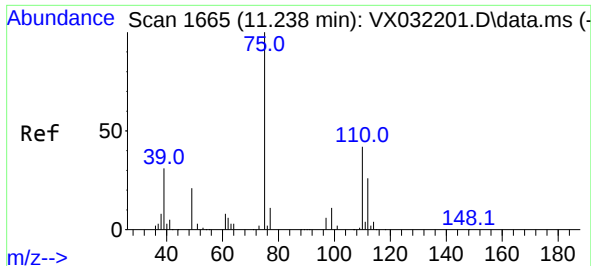


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

Tgt Ion:152 Resp: 80779

Ion	Ratio	Lower	Upper
152	100		
115	60.0	43.1	129.4
150	155.0	0.0	348.6

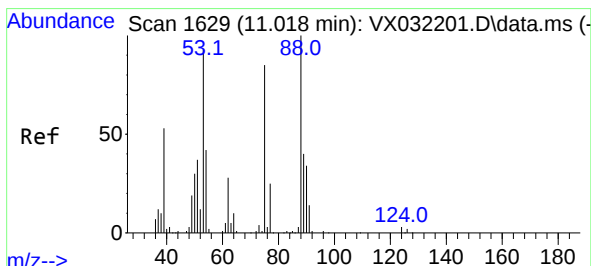
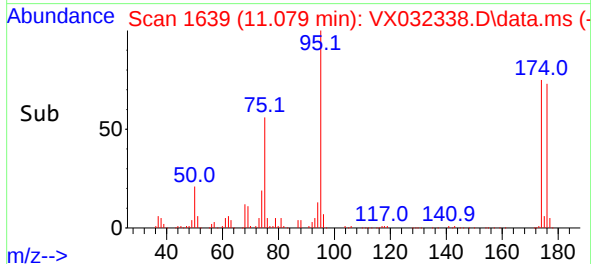
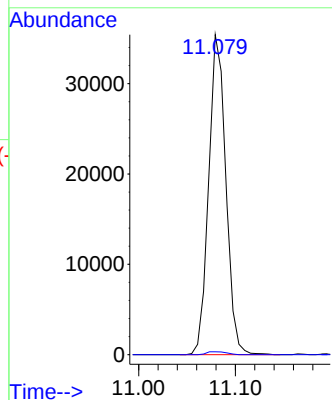
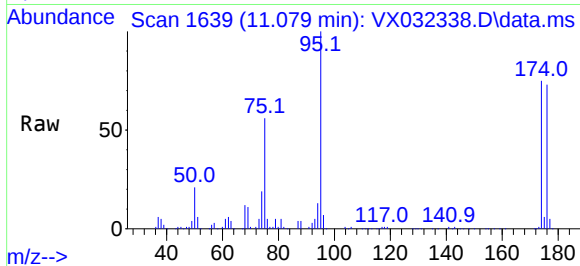




#76
1,2,3-Trichloropropane
Concen: 27.352 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-4-20221018DL

Tgt Ion: 75 Resp: 43779
Ion Ratio Lower Upper
75 100
77 1.1 16.0 47.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.947 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032338.D
Acq: 24 Oct 2022 14:23

Tgt Ion: 75 Resp: 43779
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#

