

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102122\
 Data File : VX032316.D
 Acq On : 22 Oct 2022 03:15
 Operator : JC/MD
 Sample : N5248-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

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

Quant Time: Oct 22 06:05:13 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	145091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227074	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91661	48.563	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.120%
35) Dibromofluoromethane	5.385	113	71338	45.147	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.300%
50) Toluene-d8	8.647	98	262734	46.191	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.380%
62) 4-Bromofluorobenzene	11.079	95	89207	42.829	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.660%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	61	Below Cal	#	44
6) Chloroethane	1.703	64	292	2.148	ug/l #	41
11) Tert butyl alcohol	2.946	59	612	Below Cal	#	74
12) 1,1-Dichloroethene	2.325	96	782	0.604	ug/l	89
16) Acetone	2.392	43	974	1.590	ug/l	98
25) 2-Butanone	4.593	43	616	0.644	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	479	0.290	ug/l	56
30) Chloroform	5.092	83	1169	0.417	ug/l	94
31) Cyclohexane	5.556	56	3286	1.523	ug/l #	33
32) 1,1,1-Trichloroethane	5.391	97	33316	13.948	ug/l	99
36) 1,1-Dichloropropene	5.550	75	11292	5.555	ug/l #	49
37) Ethyl Acetate	4.593	43	616	0.310	ug/l #	68
38) Carbon Tetrachloride	5.672	117	1152	0.537	ug/l #	82
39) Methylcyclohexane	7.129	83	7394	3.045	ug/l #	1
44) Trichloroethene	7.129	130	591377	364.535	ug/l	99
51) 4-Methyl-2-Pentanone	8.653	43	1128	0.576	ug/l #	1
60) Dibromochloromethane	9.275	129	4515	2.842	ug/l #	11
64) Tetrachloroethene	9.275	164	4572	3.591	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	48305	28.932	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	48305	88.636	ug/l #	6

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

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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

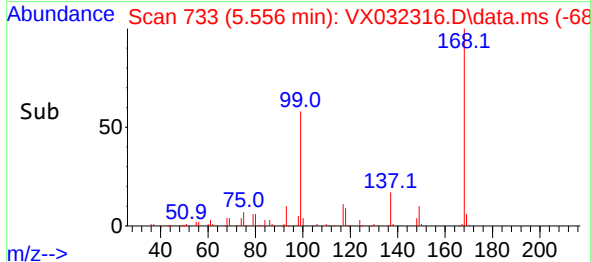
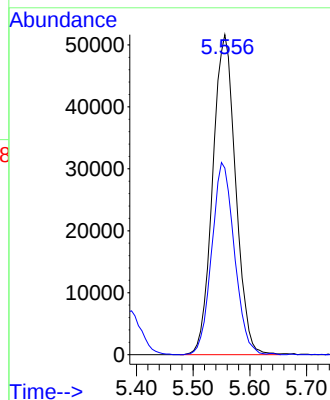
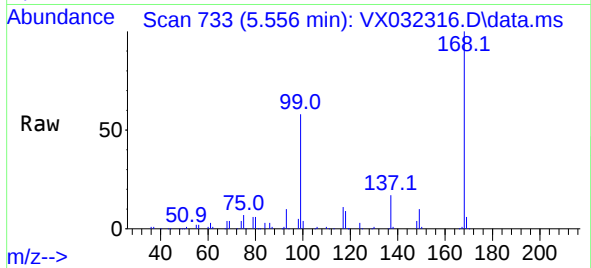




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

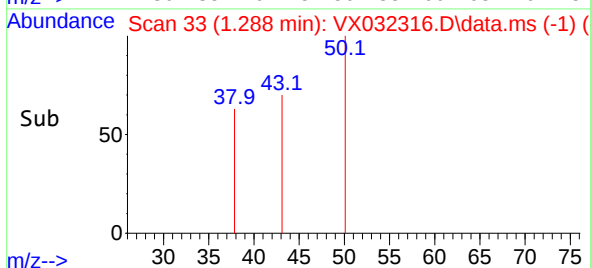
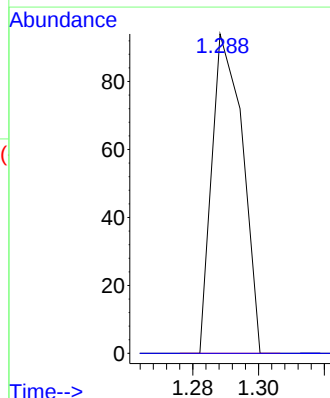
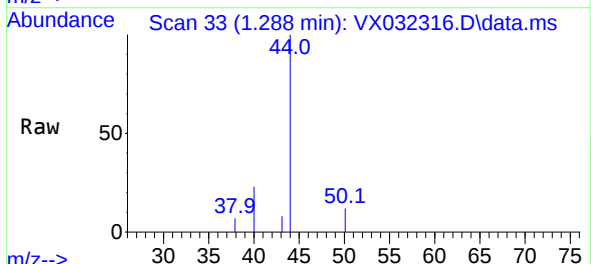
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-4-20221018

Tgt Ion:168 Resp: 145091
Ion Ratio Lower Upper
168 100
99 58.3 44.8 67.2

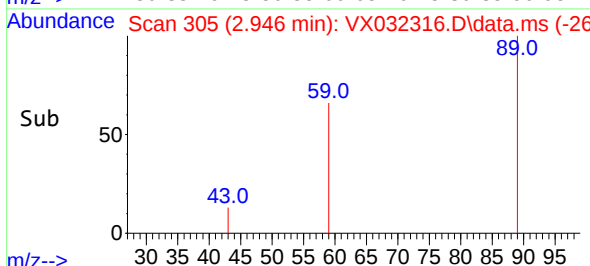
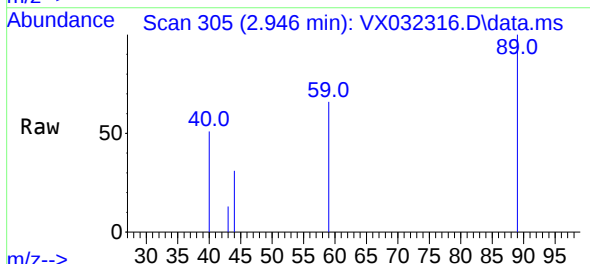
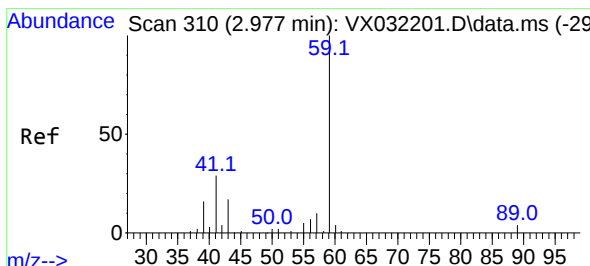
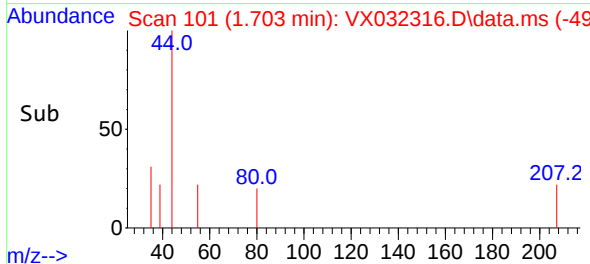
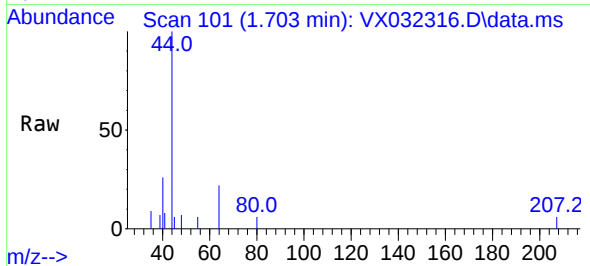
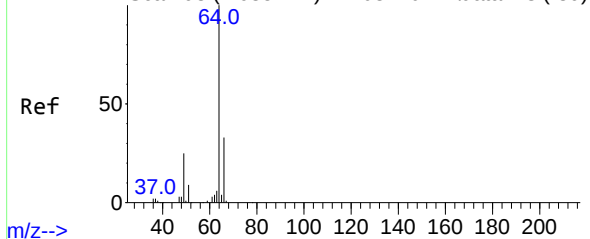


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.007 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

Tgt Ion: 50 Resp: 61
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



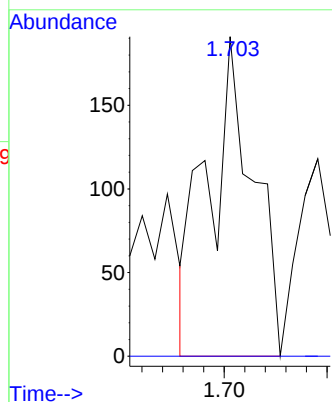
Abundance Scan 98 (1.685 min): VX032201.D\data.ms (-89)



#6
Chloroethane
Concen: 2.148 ug/l
RT: 1.703 min Scan# 10
Delta R.T. 0.018 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

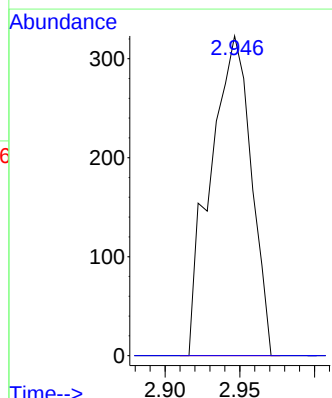
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-4-20221018

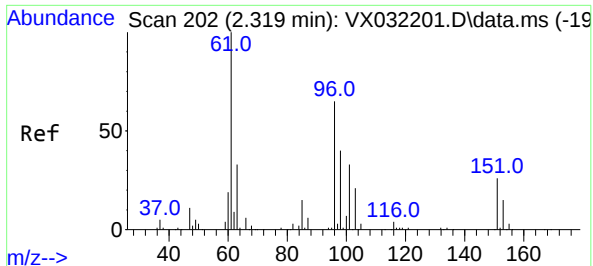
Tgt Ion: 64 Resp: 292
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

Tgt Ion: 59 Resp: 612
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#





#12

1,1-Dichloroethene

Concen: 0.604 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX032316.D

Acq: 22 Oct 2022 03:15

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-4-20221018

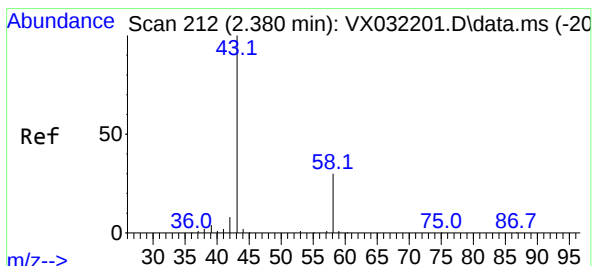
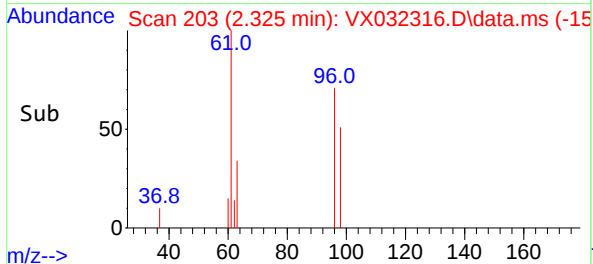
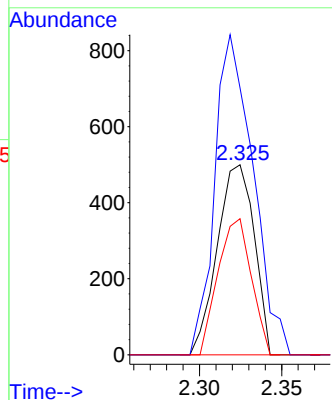
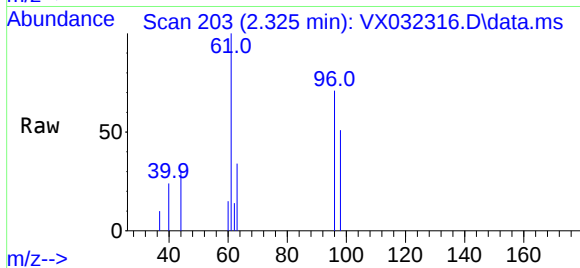
Tgt Ion: 96 Resp: 782

Ion Ratio Lower Upper

96 100

61 140.4 124.0 186.0

98 71.6 50.0 75.0



#16

Acetone

Concen: 1.590 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX032316.D

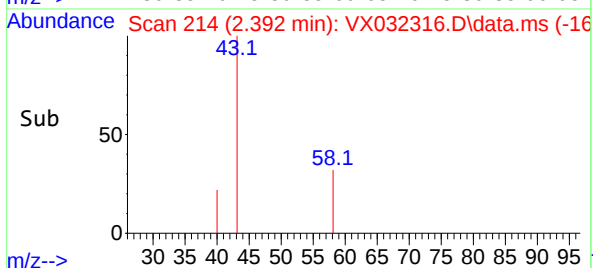
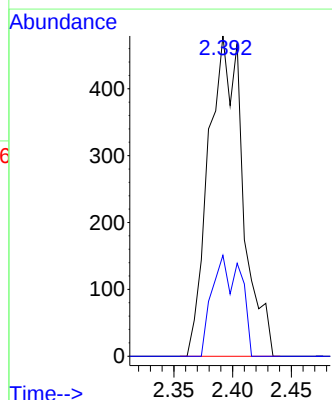
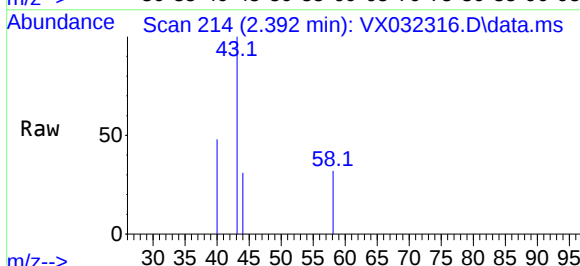
Acq: 22 Oct 2022 03:15

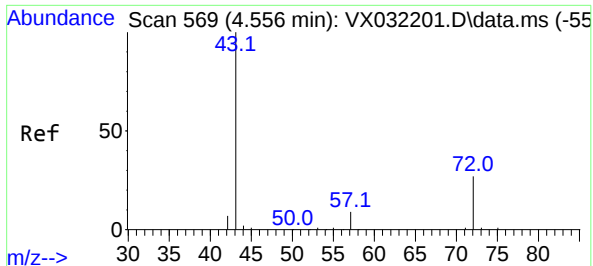
Tgt Ion: 43 Resp: 974

Ion Ratio Lower Upper

43 100

58 31.5 24.2 36.2





#25

2-Butanone

Concen: 0.644 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX032316.D

Acq: 22 Oct 2022 03:15

Instrument :

MSVOA_X

ClientSampleId :

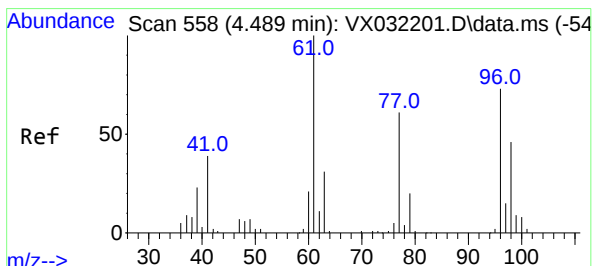
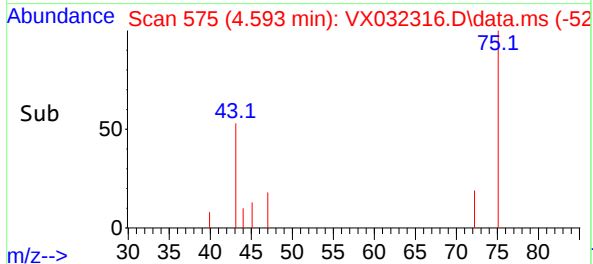
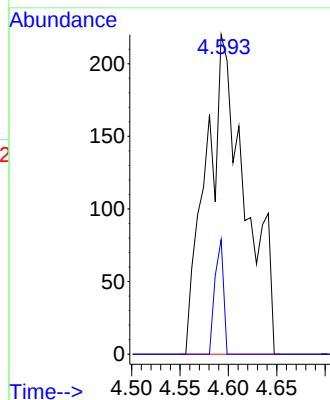
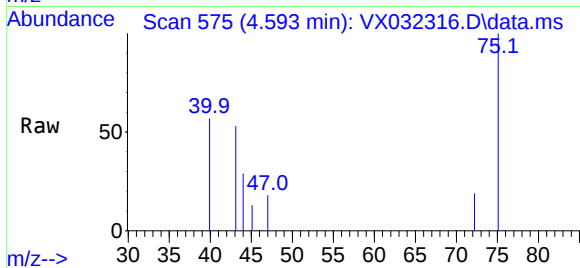
FSND-GEP-4-20221018

Tgt Ion: 43 Resp: 616

Ion Ratio Lower Upper

43 100

72 35.9 21.7 32.5#



#27

cis-1,2-Dichloroethene

Concen: 0.290 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX032316.D

Acq: 22 Oct 2022 03:15

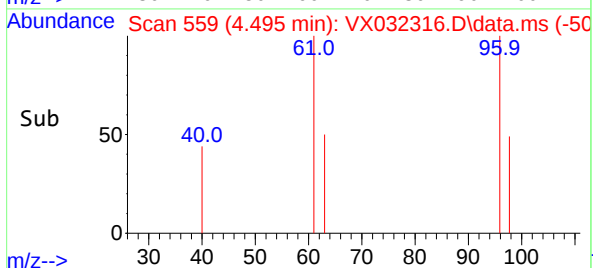
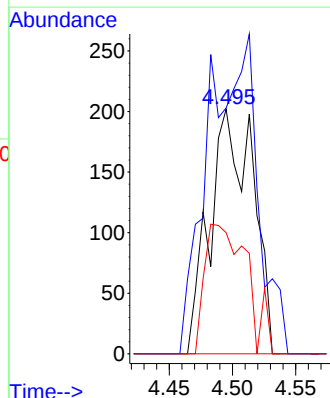
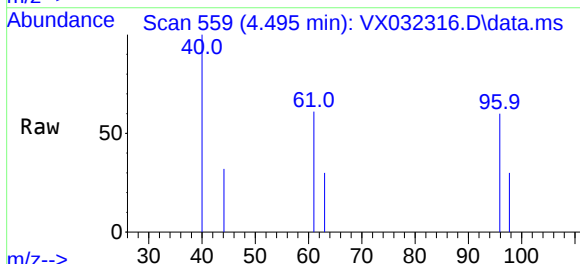
Tgt Ion: 96 Resp: 479

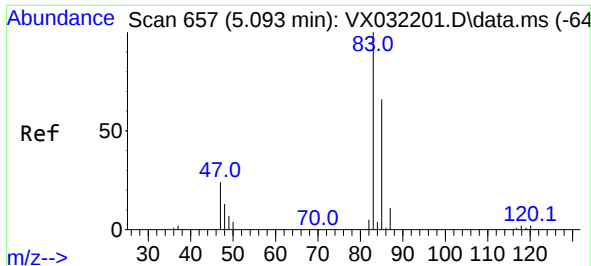
Ion Ratio Lower Upper

96 100

61 70.8 0.0 279.2

98 52.2 0.0 128.0

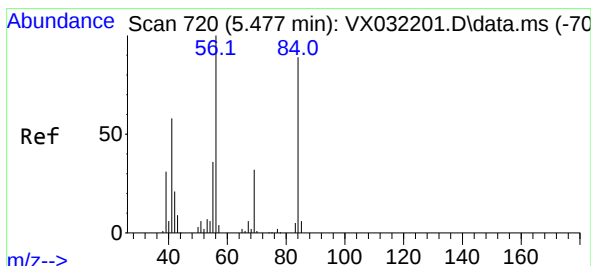
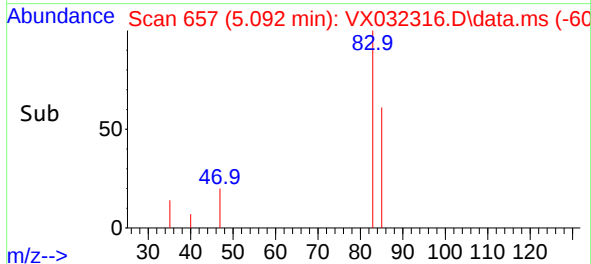
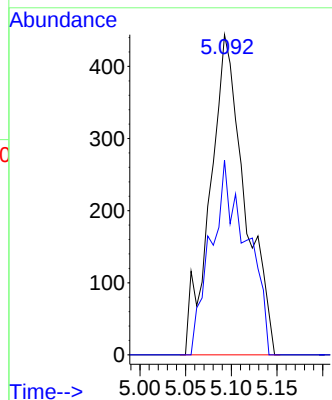
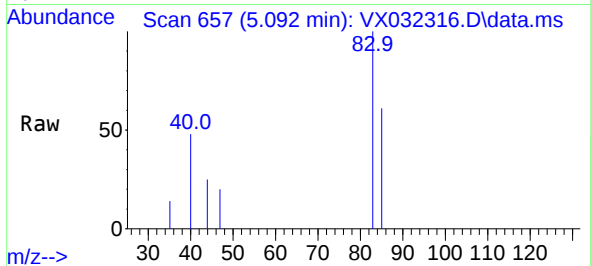




#30
Chloroform
Concen: 0.417 ug/l
RT: 5.092 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

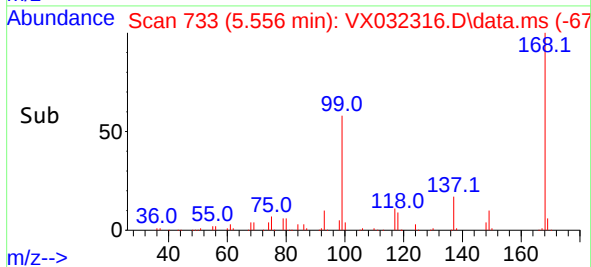
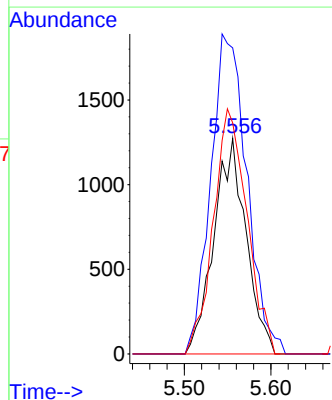
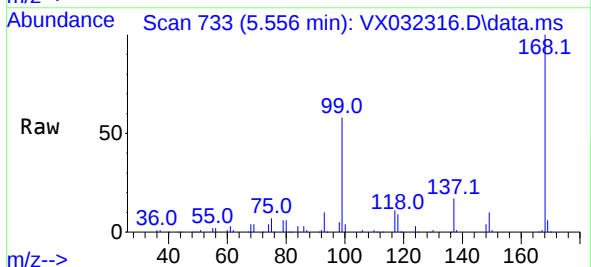
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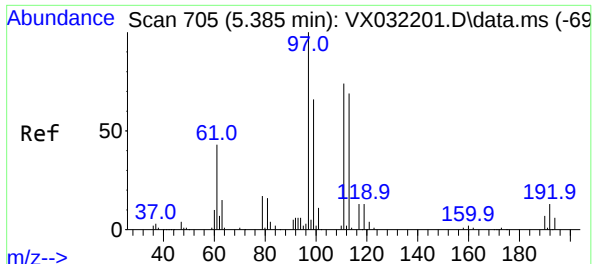
Tgt Ion: 83 Resp: 1169
Ion Ratio Lower Upper
83 100
85 60.8 52.5 78.7



#31
Cyclohexane
Concen: 1.523 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

Tgt Ion: 56 Resp: 3286
Ion Ratio Lower Upper
56 100
69 142.0 25.4 38.0#
84 107.2 71.2 106.8#

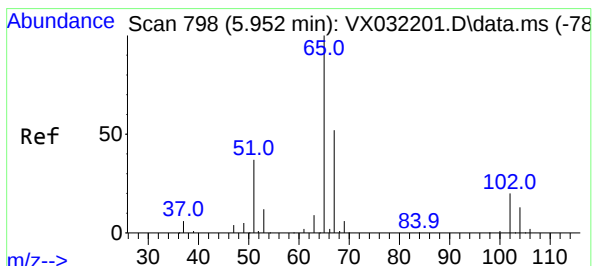
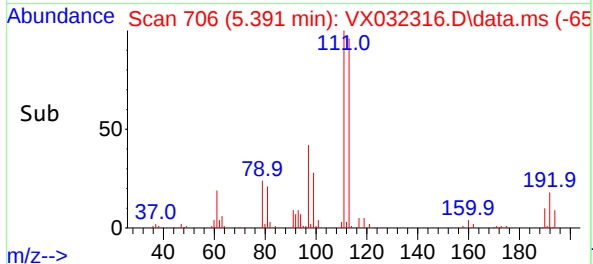
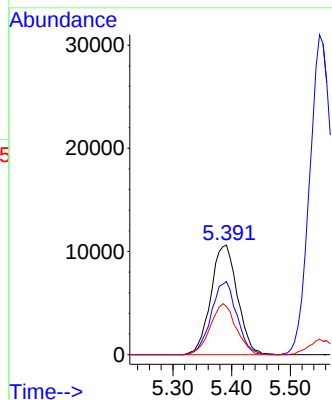
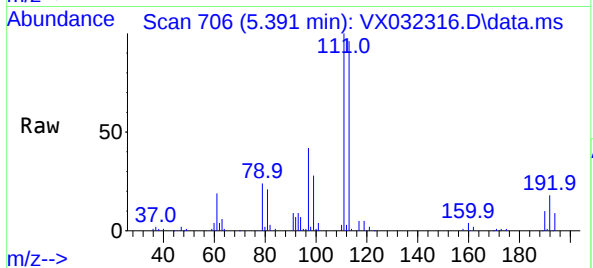




#32
1,1,1-Trichloroethane
Concen: 13.948 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

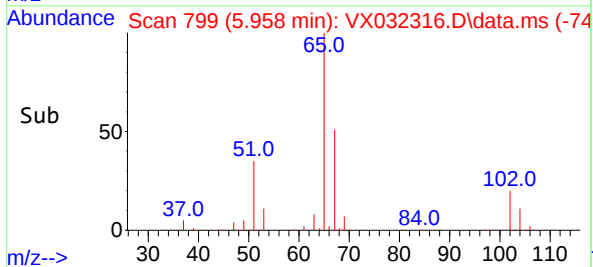
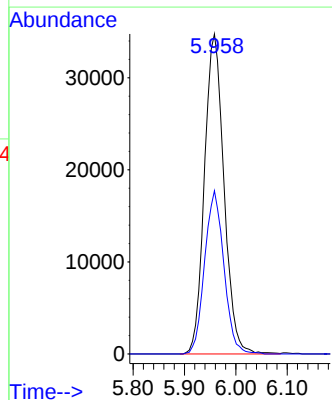
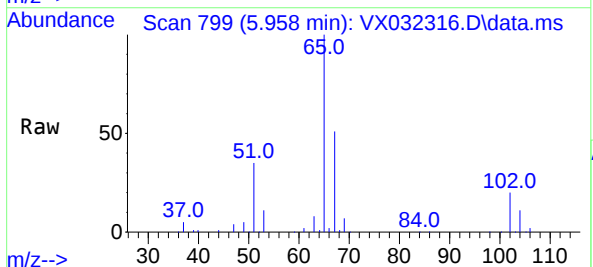
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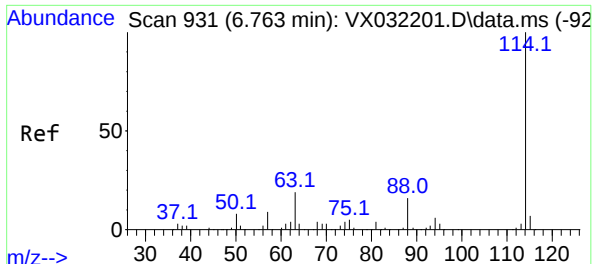
Tgt Ion: 97 Resp: 33316
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.8
61 45.2 35.7 53.5



#33
1,2-Dichloroethane-d4
Concen: 48.563 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

Tgt Ion: 65 Resp: 91661
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: VX032316.D

Acq: 22 Oct 2022 03:15

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-4-20221018

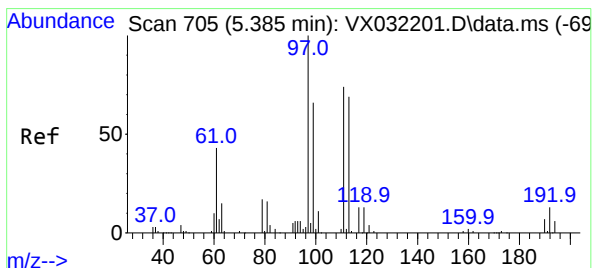
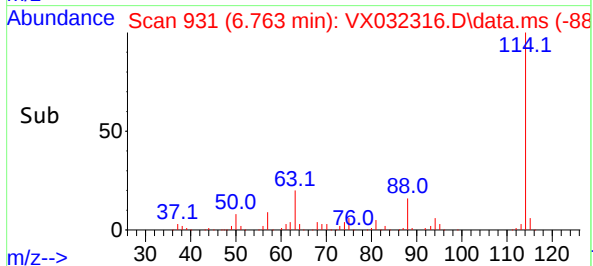
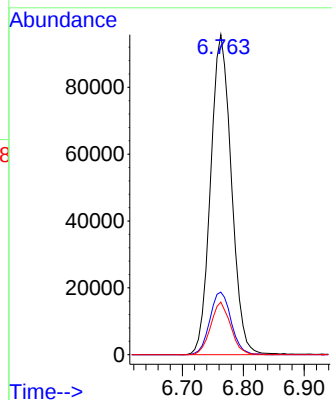
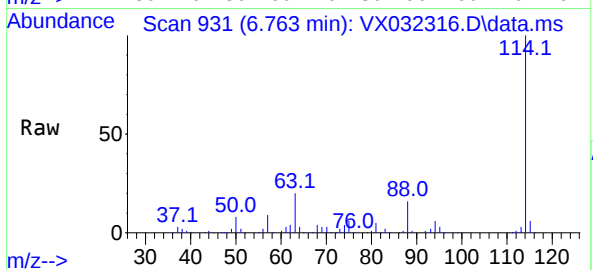
Tgt Ion:114 Resp: 227074

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

88 16.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 45.147 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX032316.D

Acq: 22 Oct 2022 03:15

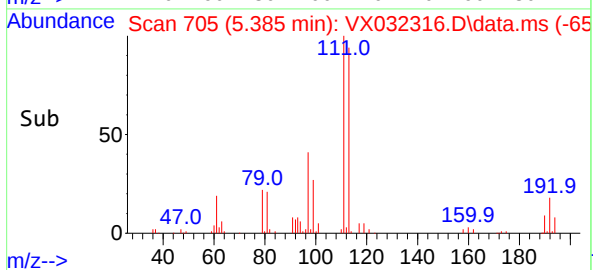
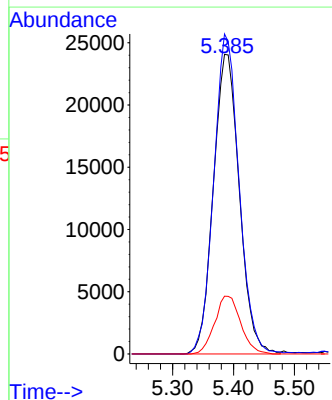
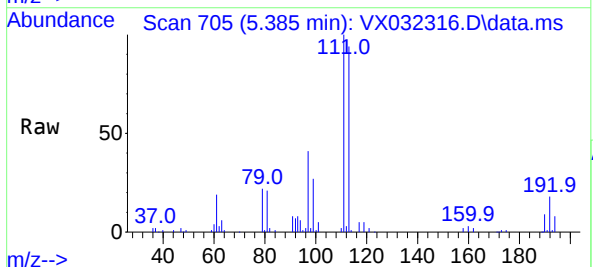
Tgt Ion:113 Resp: 71338

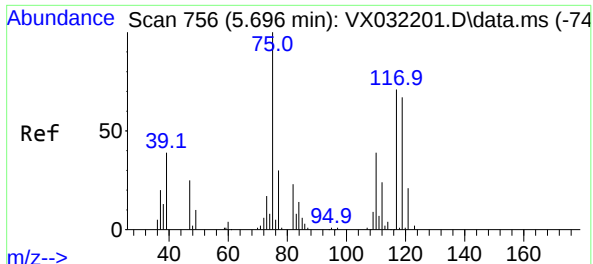
Ion Ratio Lower Upper

113 100

111 103.9 82.8 124.2

192 19.3 15.5 23.3





#36

1,1-Dichloropropene

Concen: 5.555 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX032316.D

Acq: 22 Oct 2022 03:15

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-4-20221018

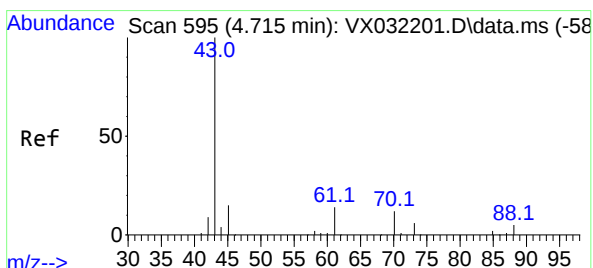
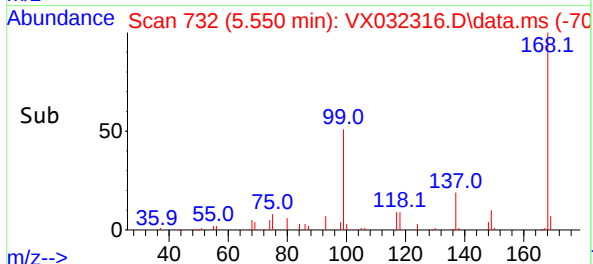
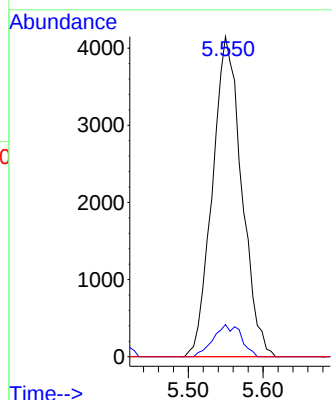
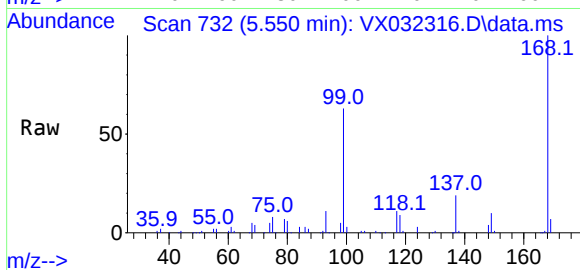
Tgt Ion: 75 Resp: 11292

Ion Ratio Lower Upper

75 100

110 9.6 18.4 55.0#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.310 ug/l

RT: 4.593 min Scan# 575

Delta R.T. -0.122 min

Lab File: VX032316.D

Acq: 22 Oct 2022 03:15

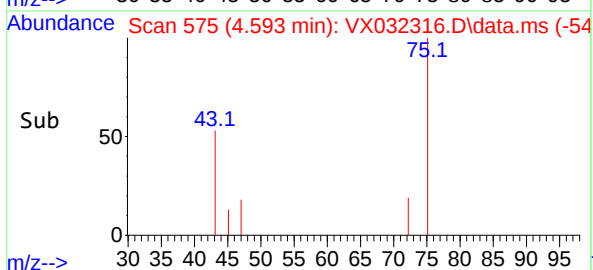
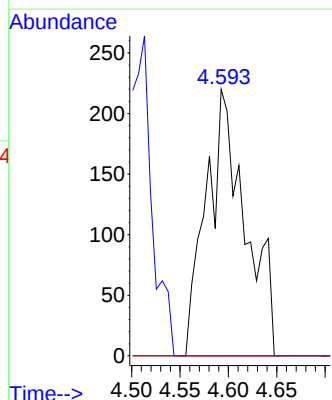
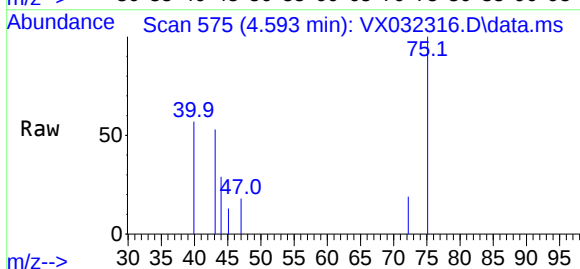
Tgt Ion: 43 Resp: 616

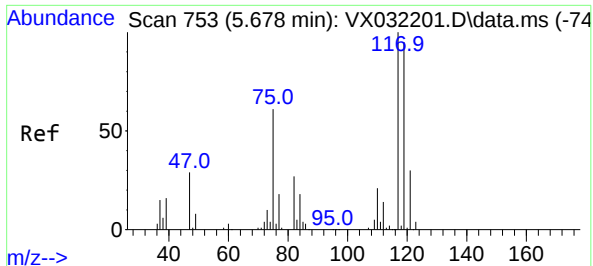
Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.2#

70 0.0 8.8 13.2#

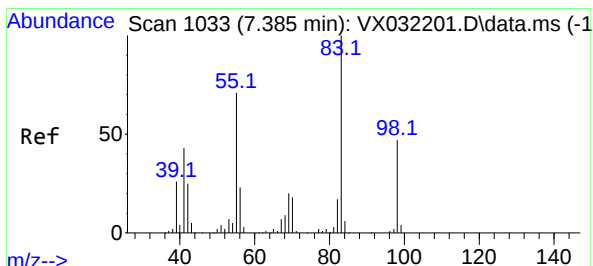
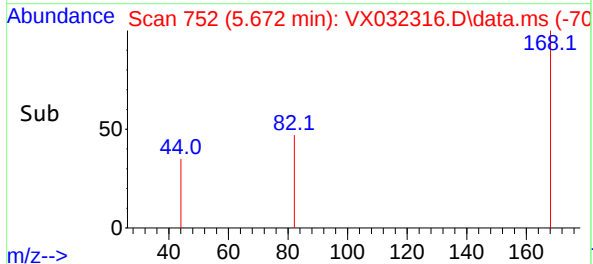
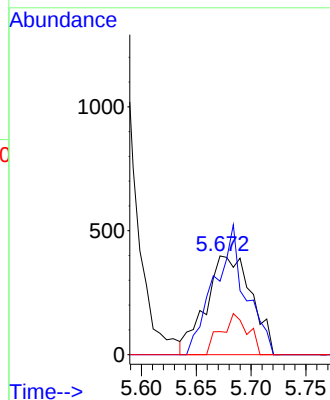
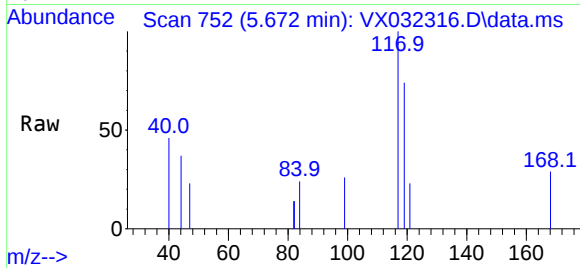




#38
Carbon Tetrachloride
Concen: 0.537 ug/l
RT: 5.672 min Scan# 711
Delta R.T. -0.006 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

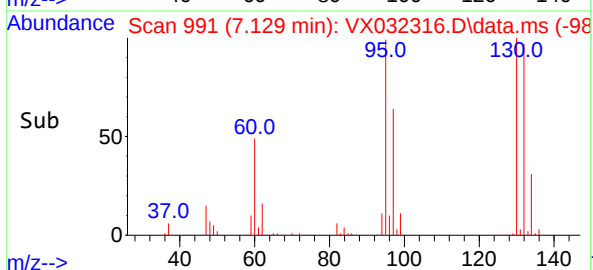
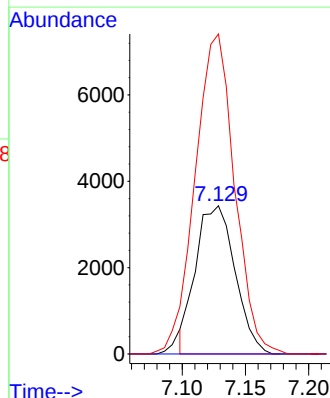
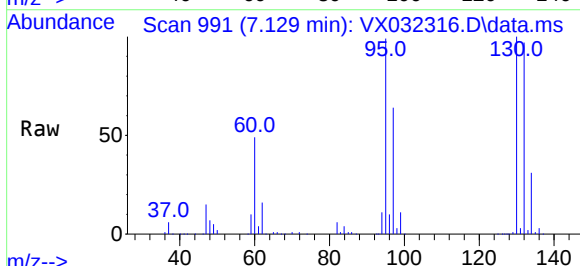
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-4-20221018

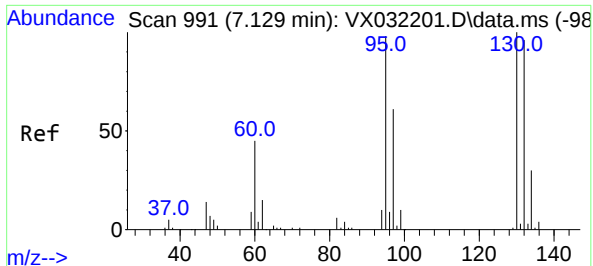
Tgt Ion:117 Resp: 1152
Ion Ratio Lower Upper
117 100
119 74.4 75.4 113.0#
121 23.4 23.9 35.9#



#39
Methylcyclohexane
Concen: 3.045 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

Tgt Ion: 83 Resp: 7394
Ion Ratio Lower Upper
83 100
55 0.0 56.6 85.0#
98 213.7 37.4 56.0#

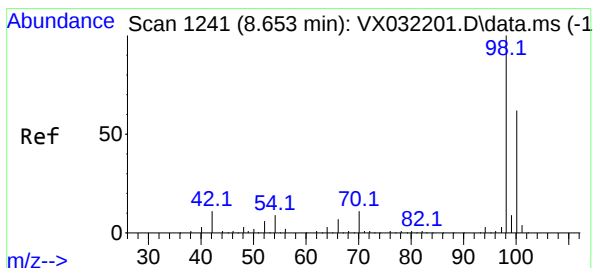
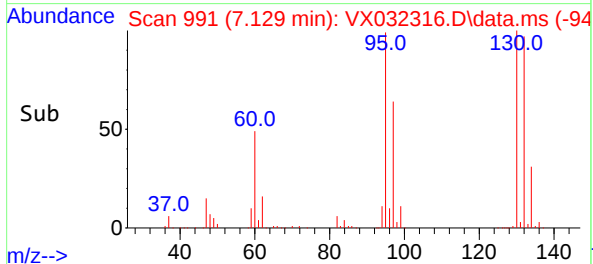
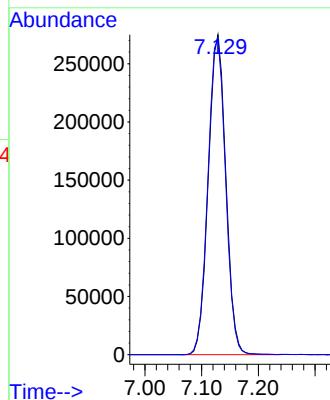
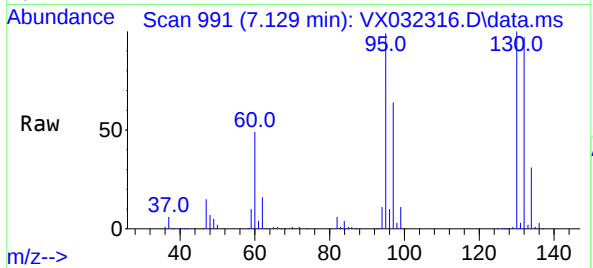




#44
Trichloroethene
Concen: 364.535 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

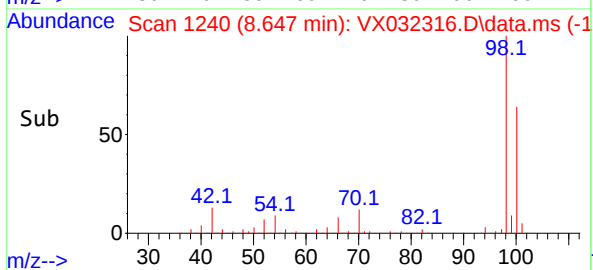
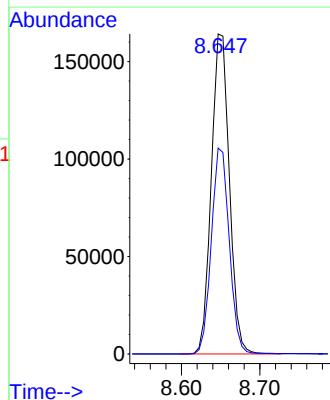
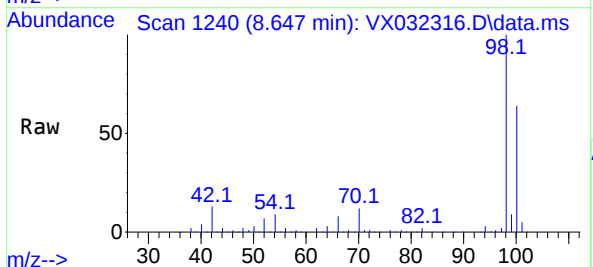
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-4-20221018

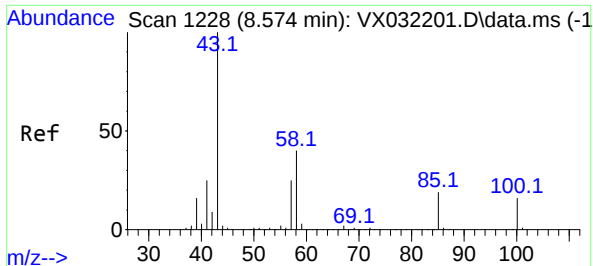
Tgt Ion:130 Resp: 591377
Ion Ratio Lower Upper
130 100
95 99.0 0.0 196.8



#50
Toluene-d8
Concen: 46.191 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

Tgt Ion: 98 Resp: 262734
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.576 ug/l

RT: 8.653 min Scan# 1128

Delta R.T. 0.079 min

Lab File: VX032316.D

Acq: 22 Oct 2022 03:15

Instrument :

MSVOA_X

ClientSampleId :

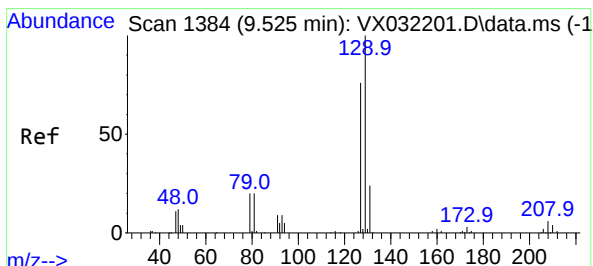
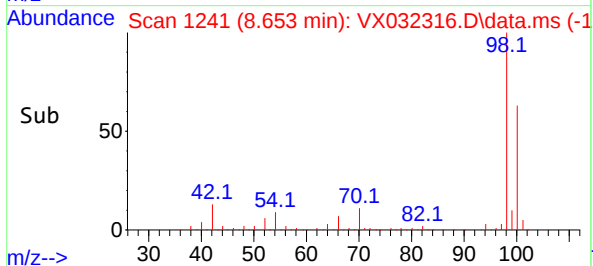
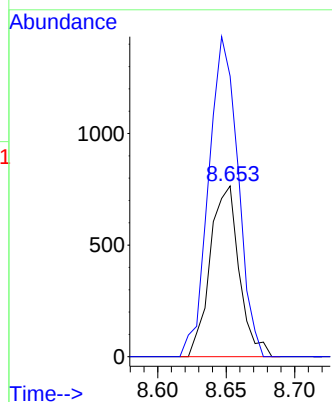
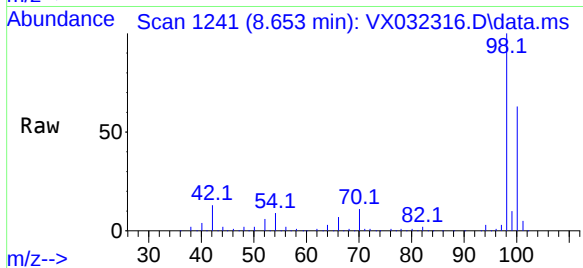
FSND-GEP-4-20221018

Tgt Ion: 43 Resp: 1128

Ion Ratio Lower Upper

43 100

58 189.5 31.0 46.4#



#60

Dibromochloromethane

Concen: 2.842 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX032316.D

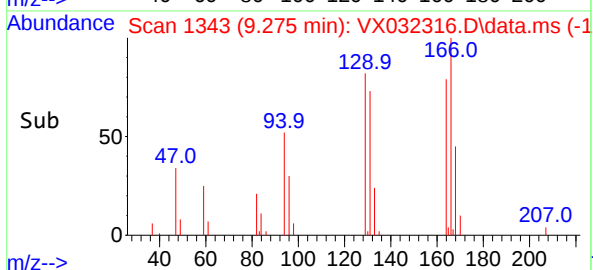
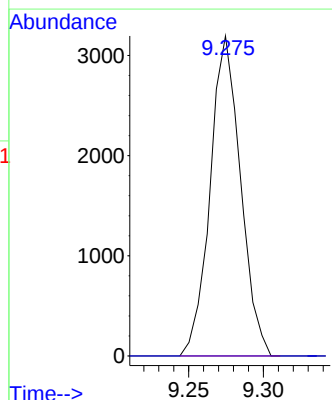
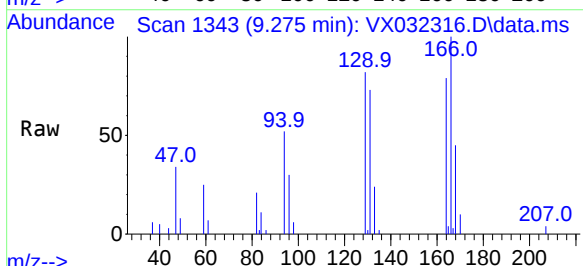
Acq: 22 Oct 2022 03:15

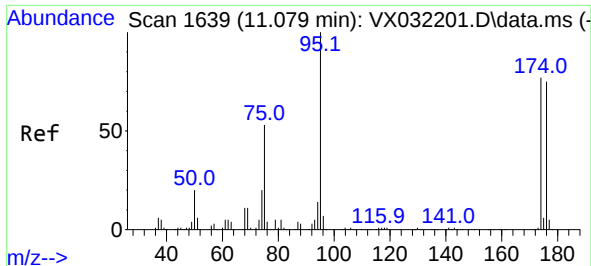
Tgt Ion: 129 Resp: 4515

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 42.829 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032316.D

Acq: 22 Oct 2022 03:15

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-4-20221018

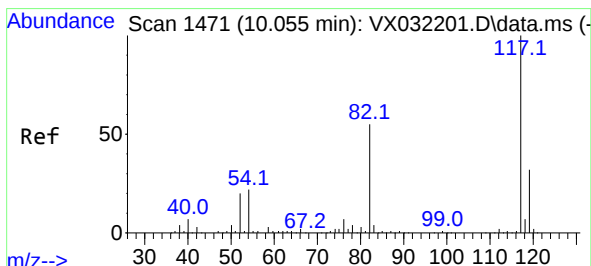
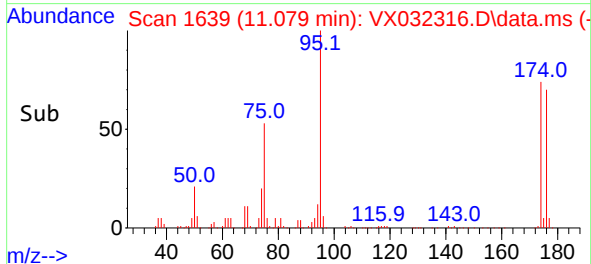
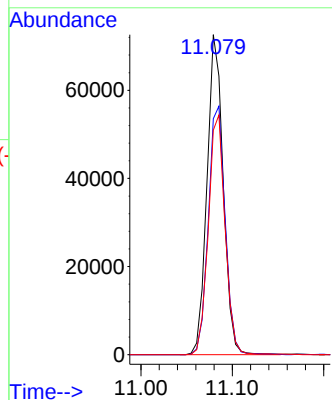
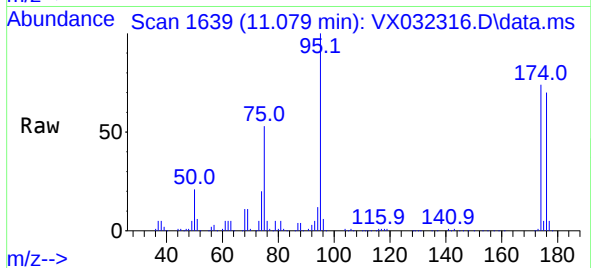
Tgt Ion: 95 Resp: 89207

Ion Ratio Lower Upper

95 100

174 80.9 0.0 166.8

176 77.4 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: VX032316.D

Acq: 22 Oct 2022 03:15

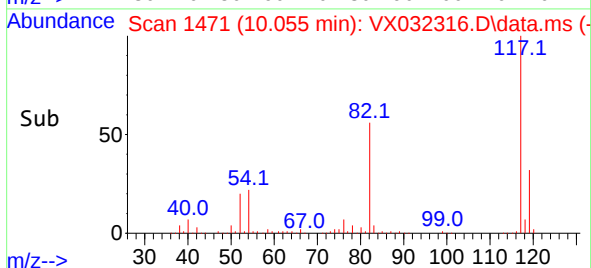
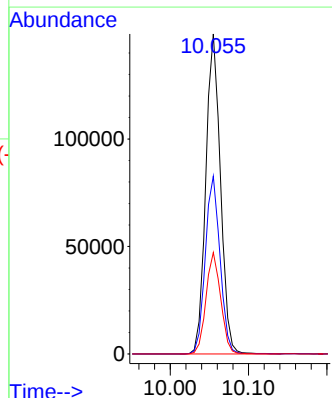
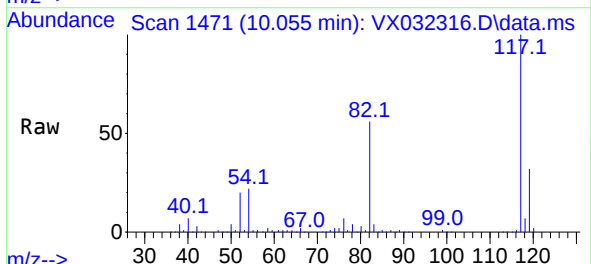
Tgt Ion: 117 Resp: 192825

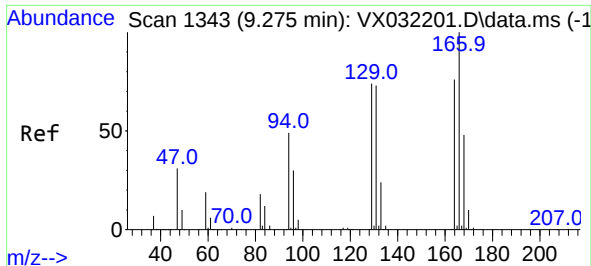
Ion Ratio Lower Upper

117 100

82 55.5 44.2 66.4

119 31.7 25.8 38.8



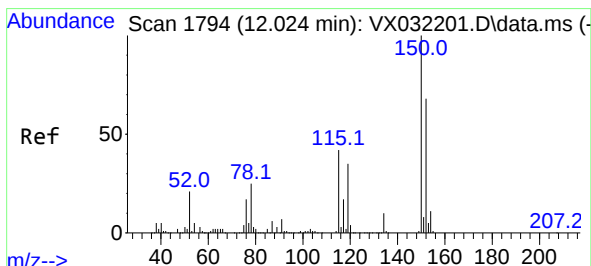
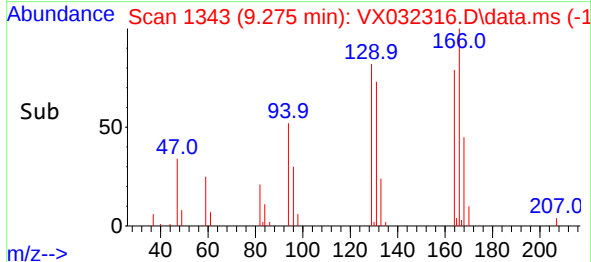
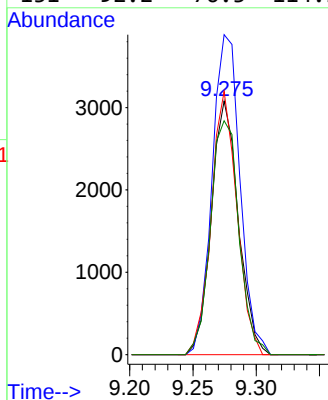
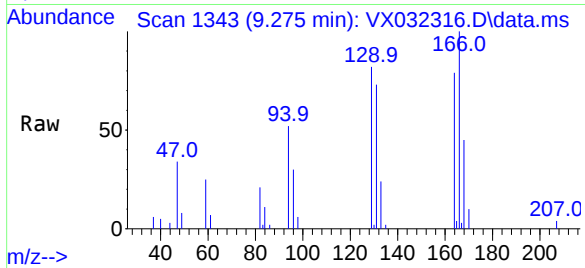


#64
Tetrachloroethene
Concen: 3.591 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

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

Tgt Ion:164 Resp: 4572

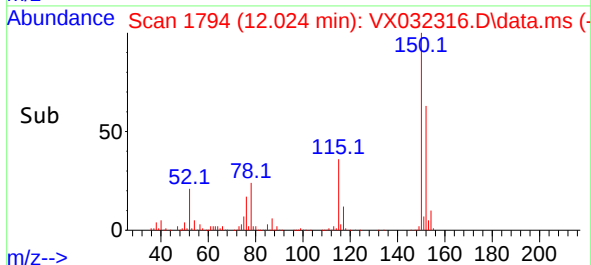
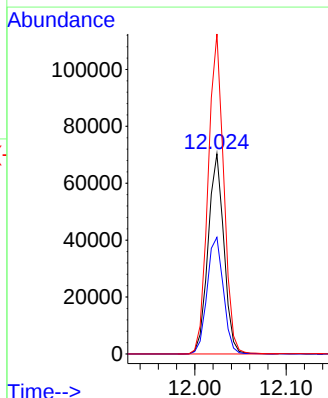
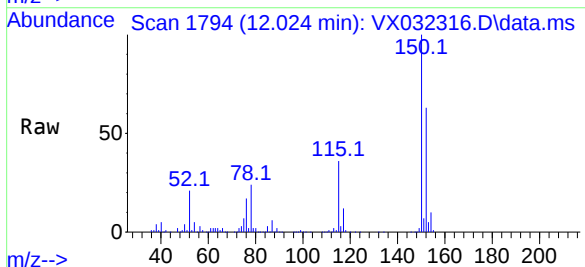
Ion	Ratio	Lower	Upper
164	100		
166	126.2	104.9	157.3
129	103.8	77.8	116.6
131	92.2	76.3	114.5

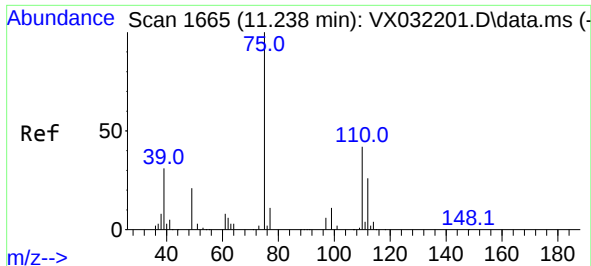


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

Tgt Ion:152 Resp: 84263

Ion	Ratio	Lower	Upper
152	100		
115	60.3	43.1	129.4
150	158.0	0.0	348.6

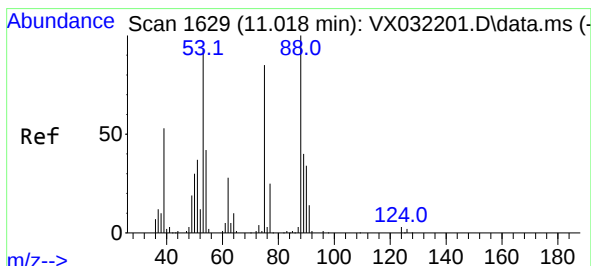
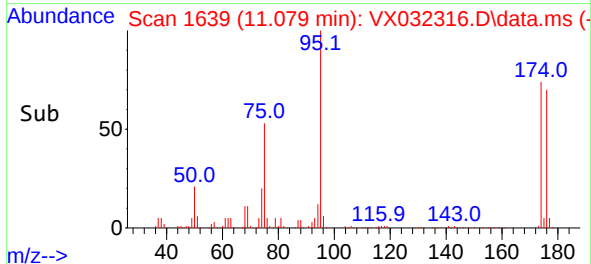
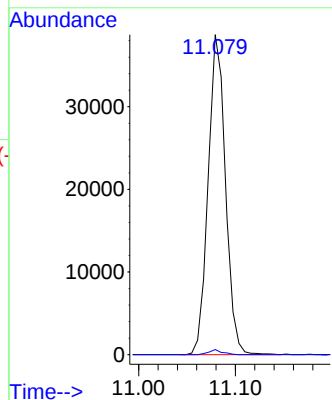
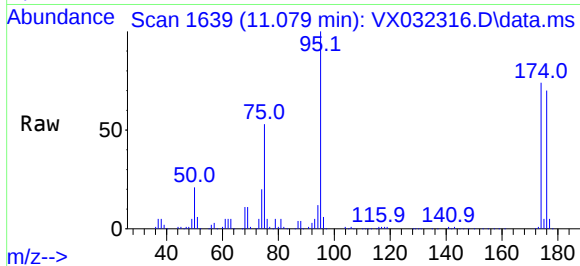




#76
1,2,3-Trichloropropane
Concen: 28.932 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

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

Tgt Ion: 75 Resp: 48305
Ion Ratio Lower Upper
75 100
77 1.2 16.0 47.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.636 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032316.D
Acq: 22 Oct 2022 03:15

Tgt Ion: 75 Resp: 48305
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.1 37.8 56.8#

