

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032374.D
 Acq On : 25 Oct 2022 19:06
 Operator : JC/MD
 Sample : N5249-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-GEP-1-20221020

Quant Time: Oct 27 14:18:37 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)

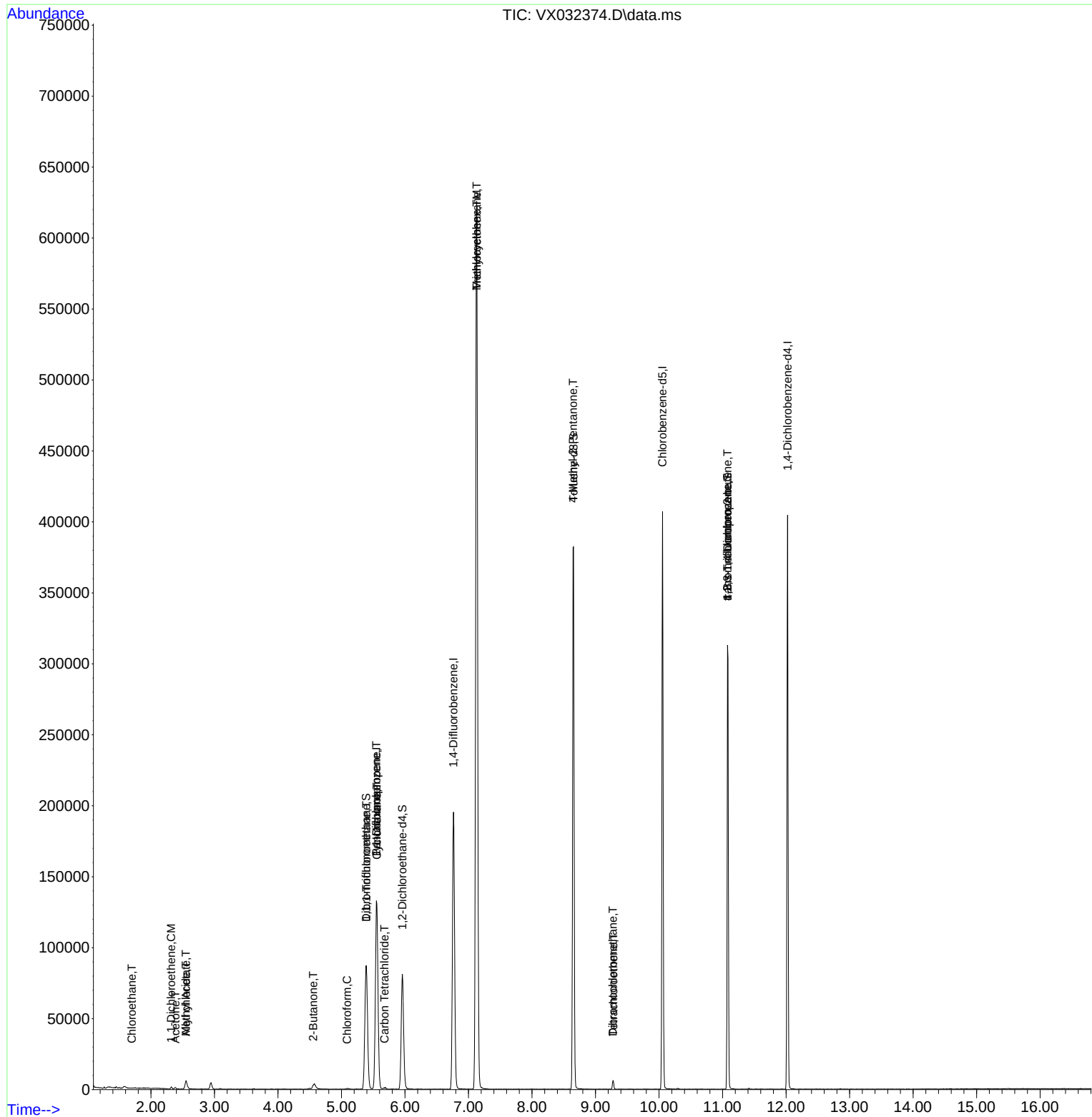
Internal Standards						
1) Pentafluorobenzene	5.550	168	126037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198719	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	171990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79806	48.674	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.340%
35) Dibromofluoromethane	5.385	113	64483	46.632	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.260%
50) Toluene-d8	8.653	98	233982	47.006	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.020%
62) 4-Bromofluorobenzene	11.079	95	79812	43.786	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.580%
Target Compounds						
					Qvalue	
3) Chloromethane	1.337	50	19	Below Cal	#	44
6) Chloroethane	1.697	64	84	2.018	ug/l #	41
11) Tert butyl alcohol	2.946	59	2708	Below Cal	#	74
12) 1,1-Dichloroethene	2.319	96	521	0.463	ug/l #	83
14) Allyl chloride	2.550	41	838	0.474	ug/l #	64
16) Acetone	2.386	43	1377	2.588	ug/l	99
18) Methyl Acetate	2.550	43	2412	1.335	ug/l #	50
25) 2-Butanone	4.556	43	240	0.289	ug/l #	48
30) Chloroform	5.086	83	736	0.302	ug/l #	67
31) Cyclohexane	5.556	56	2895	1.544	ug/l #	37
32) 1,1,1-Trichloroethane	5.391	97	13411	6.463	ug/l	98
36) 1,1-Dichloropropene	5.550	75	9673	5.438	ug/l #	50
38) Carbon Tetrachloride	5.678	117	831	0.443	ug/l #	75
39) Methylcyclohexane	7.129	83	3023	1.423	ug/l #	1
44) Trichloroethene	7.129	130	238112	167.720	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1107	0.646	ug/l #	1
60) Dibromochloromethane	9.275	129	1134	0.816	ug/l #	11
64) Tetrachloroethene	9.281	164	1226	1.079	ug/l #	86
76) 1,2,3-Trichloropropane	11.079	75	43369	27.574	ug/l #	44
81) trans-1,4-Dichloro-2-b...	11.079	75	43369	84.607	ug/l #	6

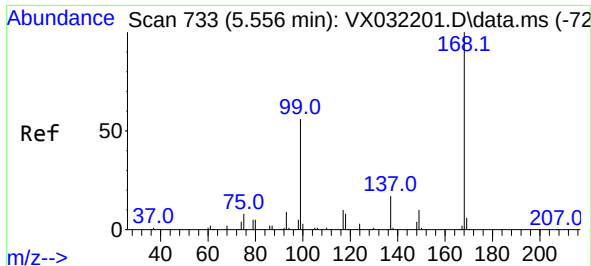
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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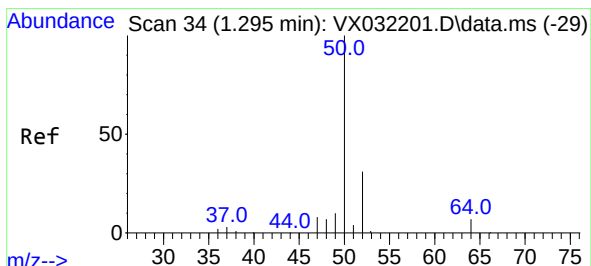
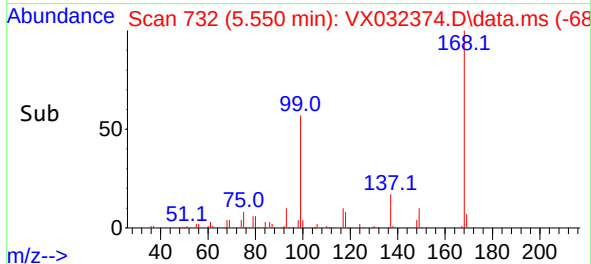
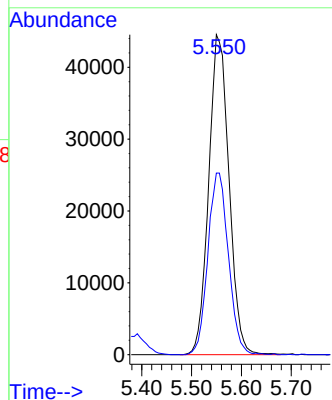
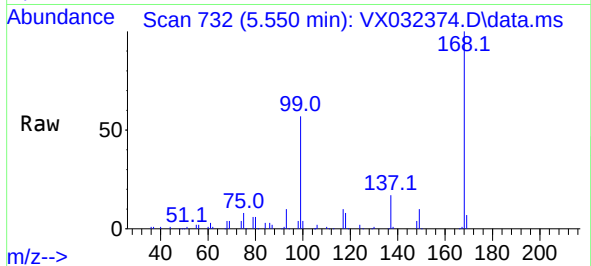




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

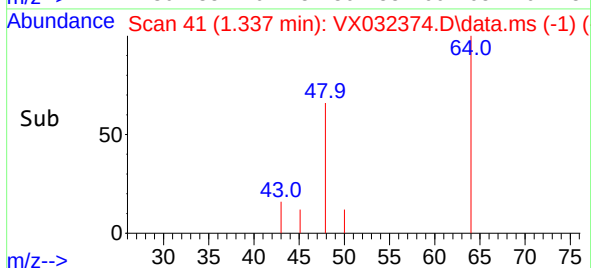
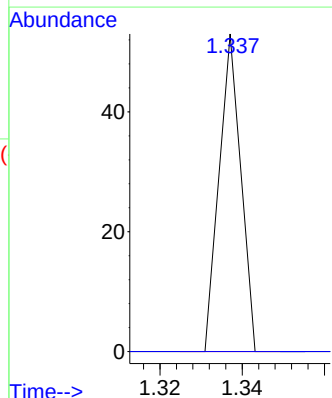
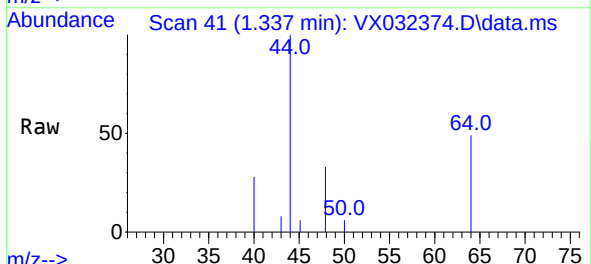
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-1-20221020

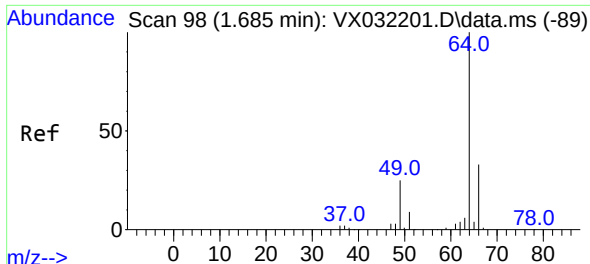
Tgt Ion:168 Resp: 126037
Ion Ratio Lower Upper
168 100
99 56.7 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.337 min Scan# 41
Delta R.T. 0.042 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

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

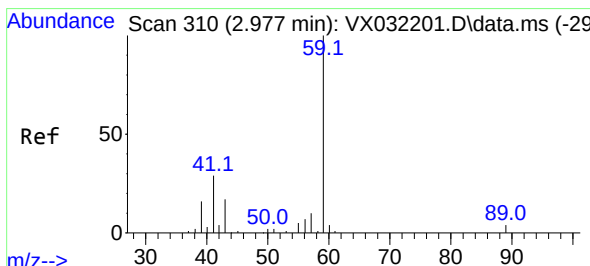
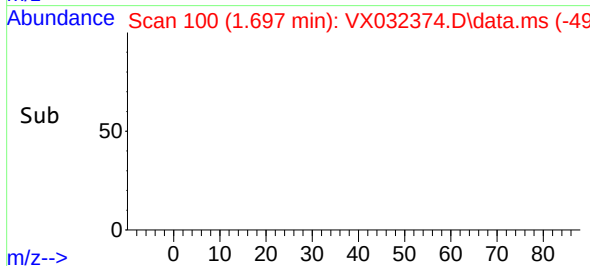
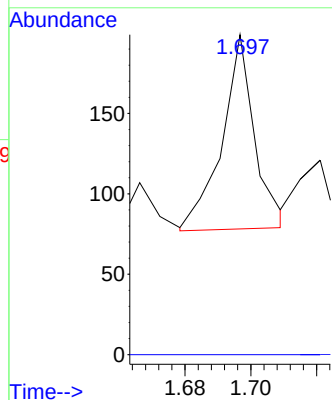
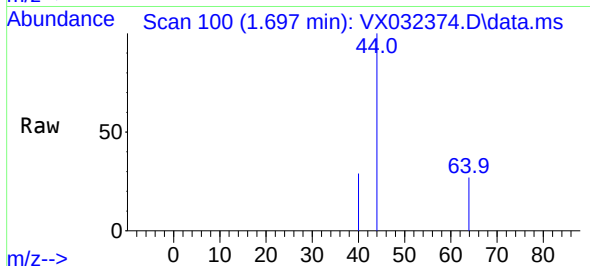




#6
Chloroethane
Concen: 2.018 ug/l
RT: 1.697 min Scan# 10
Delta R.T. 0.012 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

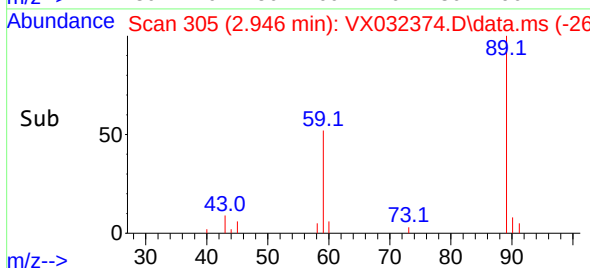
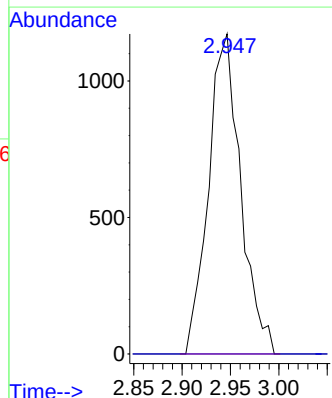
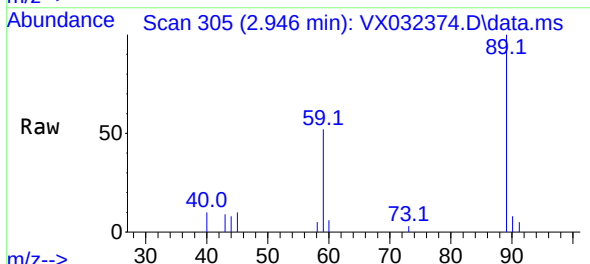
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-1-20221020

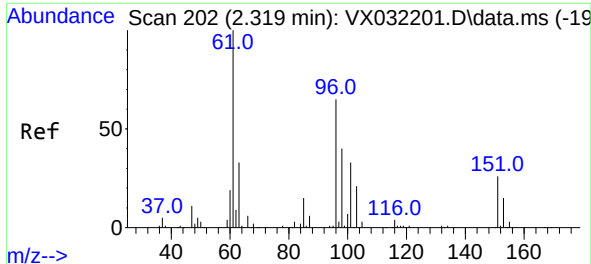
Tgt Ion: 64 Resp: 84
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

Tgt Ion: 59 Resp: 2708
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#





#12

1,1-Dichloroethene

Concen: 0.463 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX032374.D

Acq: 25 Oct 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-1-20221020

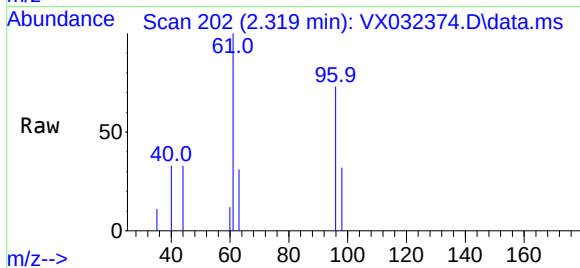
Tgt Ion: 96 Resp: 521

Ion Ratio Lower Upper

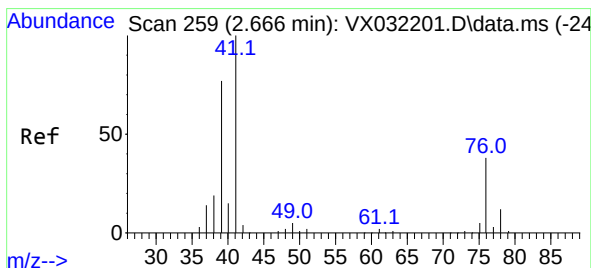
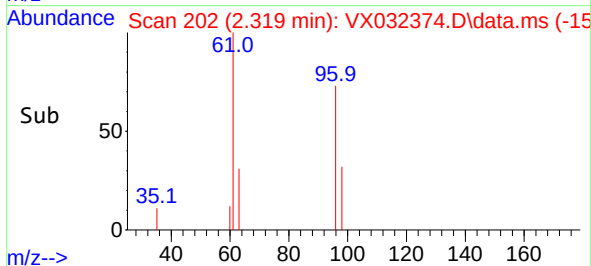
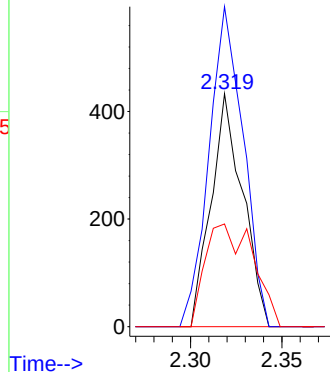
96 100

61 137.4 124.0 186.0

98 44.1 50.0 75.0#



Abundance



#14

Allyl chloride

Concen: 0.474 ug/l

RT: 2.550 min Scan# 240

Delta R.T. -0.116 min

Lab File: VX032374.D

Acq: 25 Oct 2022 19:06

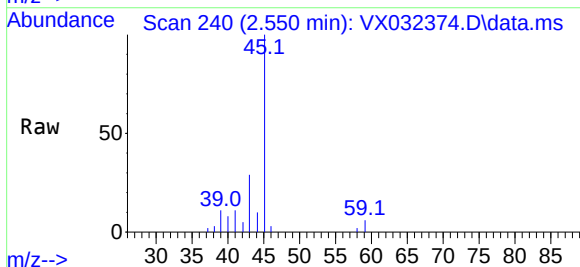
Tgt Ion: 41 Resp: 838

Ion Ratio Lower Upper

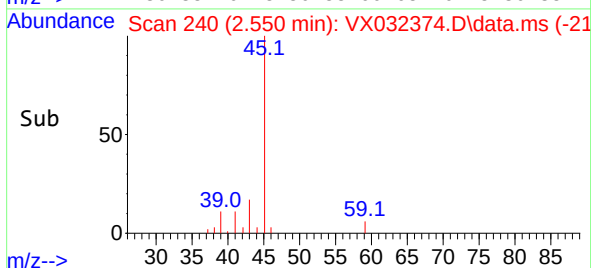
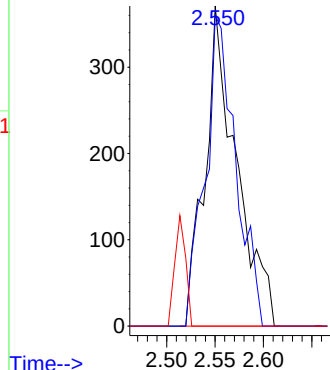
41 100

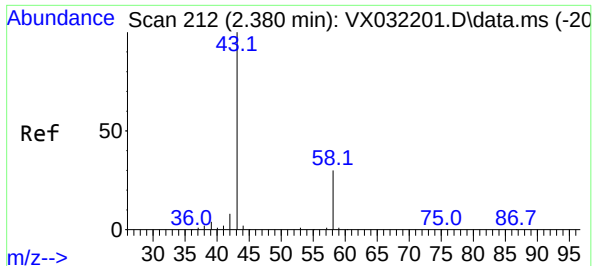
39 94.4 59.5 89.3#

76 0.0 28.6 42.8#



Abundance

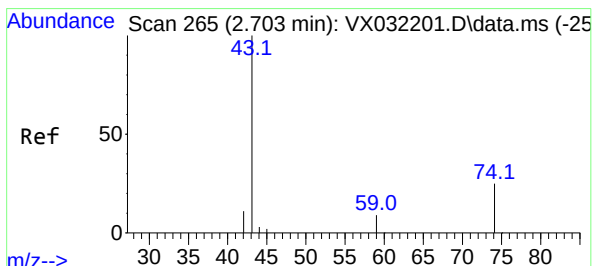
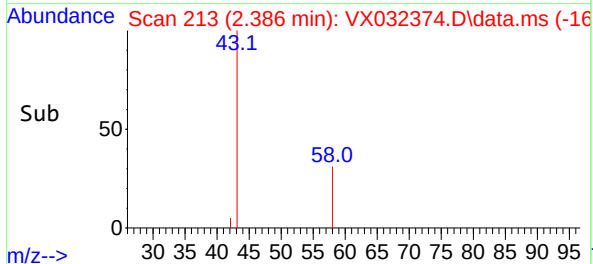
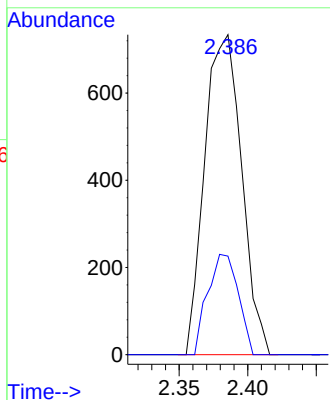
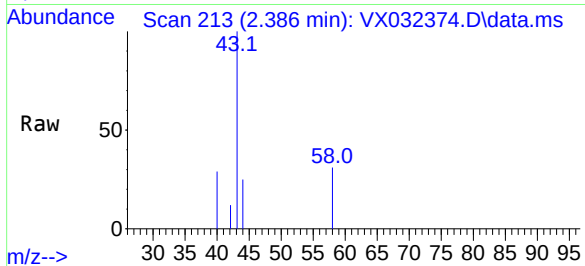




#16
Acetone
Concen: 2.588 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

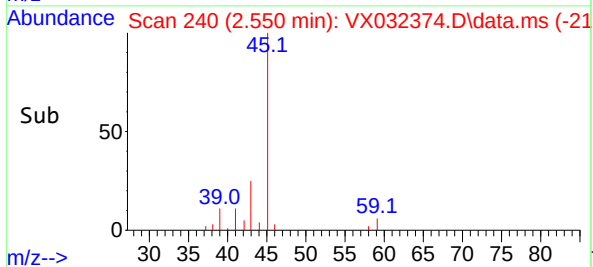
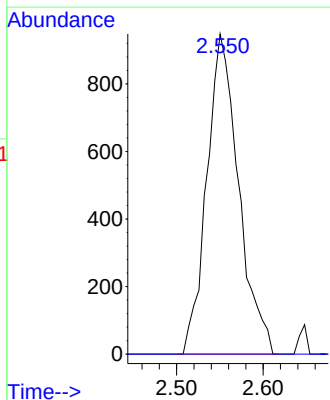
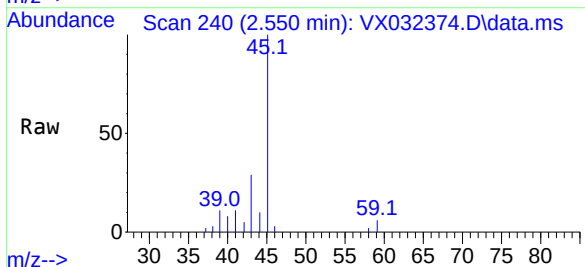
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-1-20221020

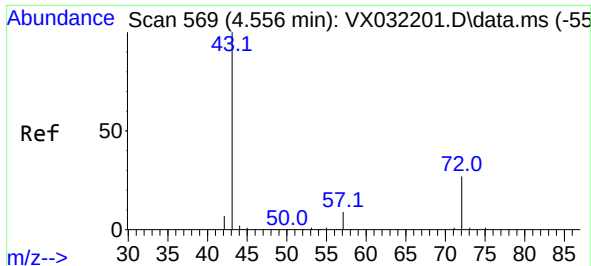
Tgt Ion: 43 Resp: 1377
Ion Ratio Lower Upper
43 100
58 30.8 24.2 36.2



#18
Methyl Acetate
Concen: 1.335 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.153 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

Tgt Ion: 43 Resp: 2412
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.8#





#25

2-Butanone

Concen: 0.289 ug/l

RT: 4.556 min Scan# 50

Delta R.T. -0.000 min

Lab File: VX032374.D

Acq: 25 Oct 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

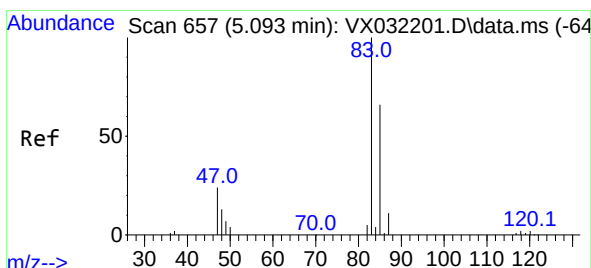
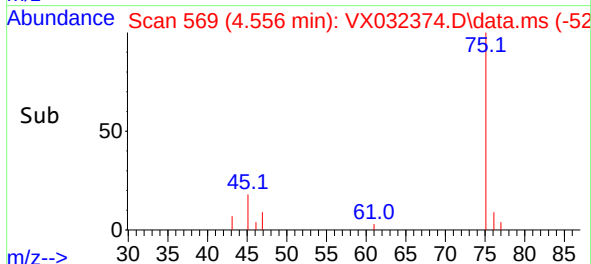
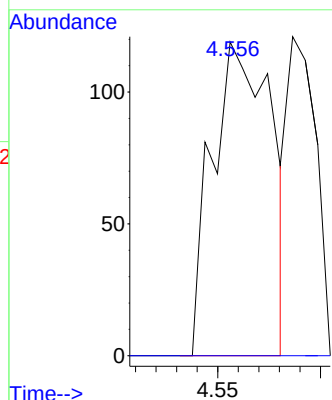
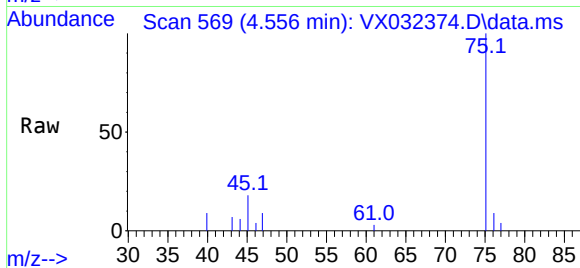
FSND-GEP-1-20221020

Tgt Ion: 43 Resp: 240

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#30

Chloroform

Concen: 0.302 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.007 min

Lab File: VX032374.D

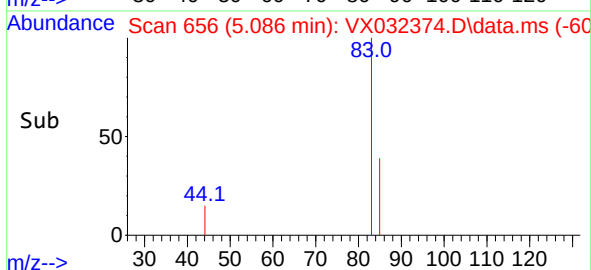
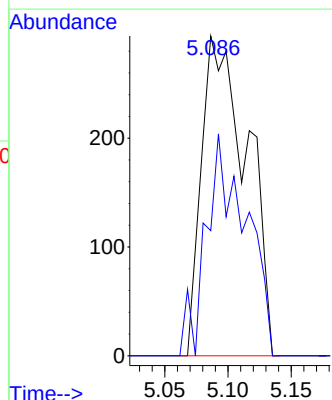
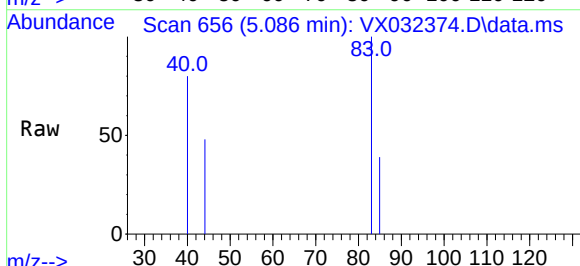
Acq: 25 Oct 2022 19:06

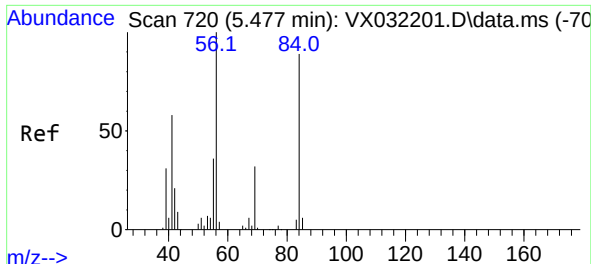
Tgt Ion: 83 Resp: 736

Ion Ratio Lower Upper

83 100

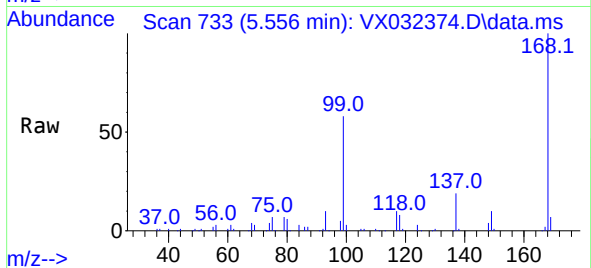
85 39.1 52.5 78.7#



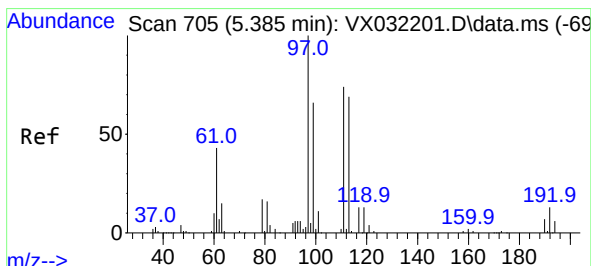
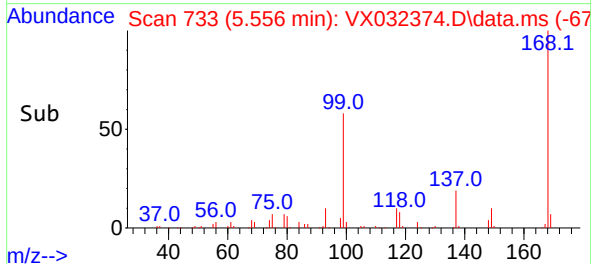
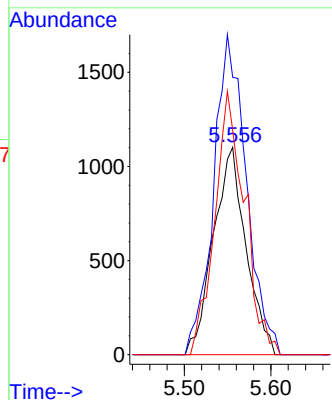


#31
Cyclohexane
Concen: 1.544 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

Instrument :
MSVOA_X
ClientSampleId :
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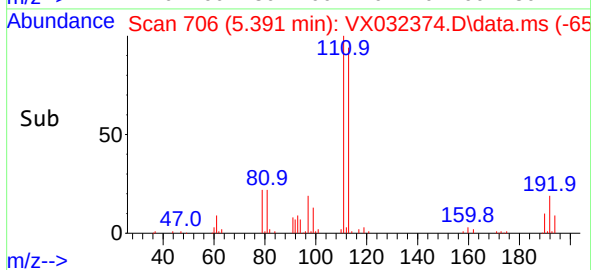
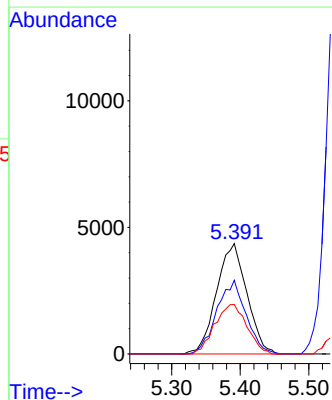
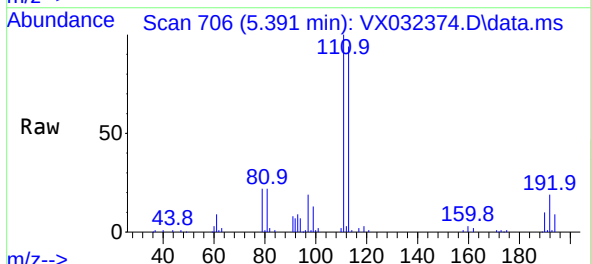


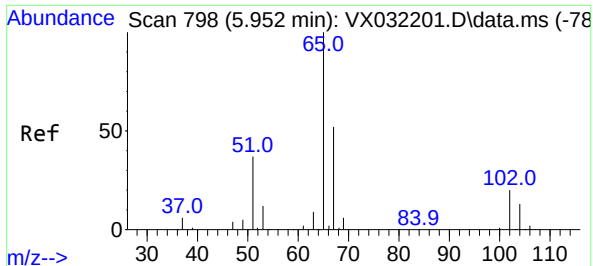
Tgt Ion: 56 Resp: 2895
Ion Ratio Lower Upper
56 100
69 133.8 25.4 38.0#
84 108.3 71.2 106.8#



#32
1,1,1-Trichloroethane
Concen: 6.463 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

Tgt Ion: 97 Resp: 13411
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.8
61 47.5 35.7 53.5





#33

1,2-Dichloroethane-d4

Concen: 48.674 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032374.D

Acq: 25 Oct 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

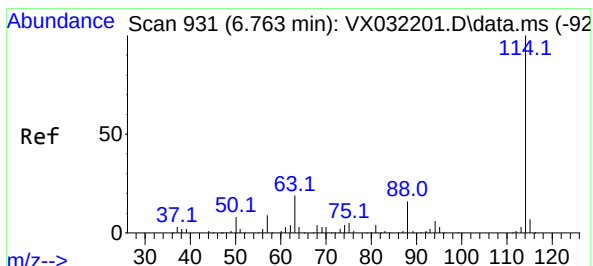
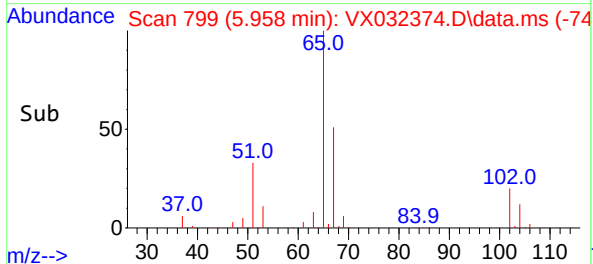
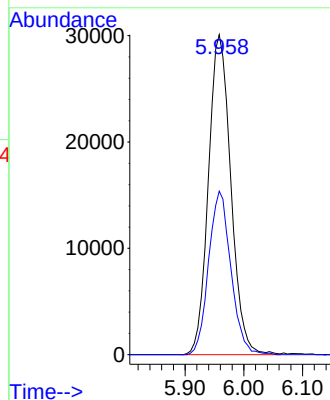
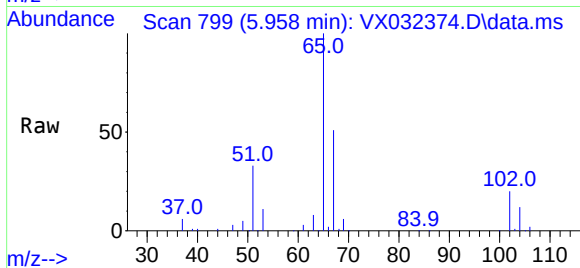
FSND-GEP-1-20221020

Tgt Ion: 65 Resp: 79806

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# 931

Delta R.T. -0.000 min

Lab File: VX032374.D

Acq: 25 Oct 2022 19:06

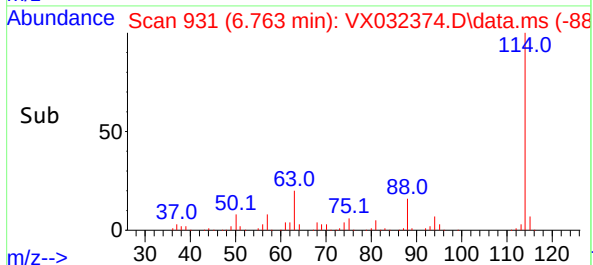
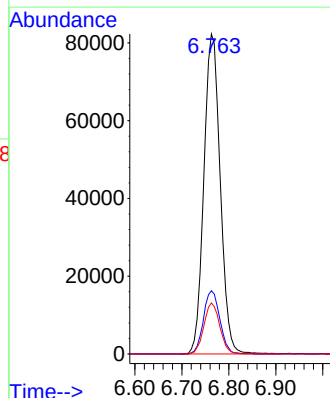
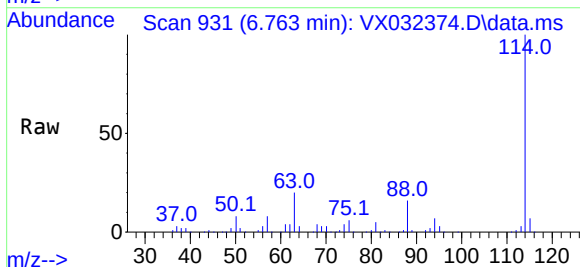
Tgt Ion: 114 Resp: 198719

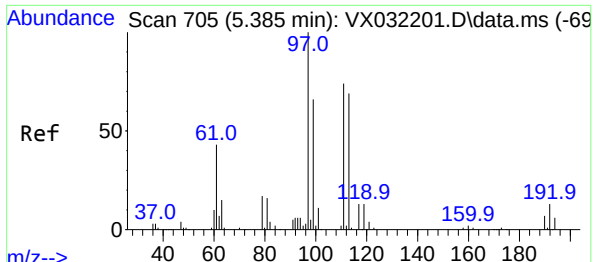
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.632 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX032374.D

Acq: 25 Oct 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-1-20221020

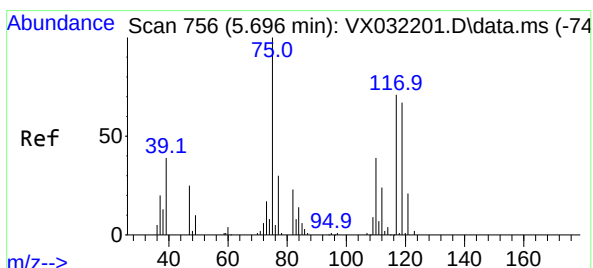
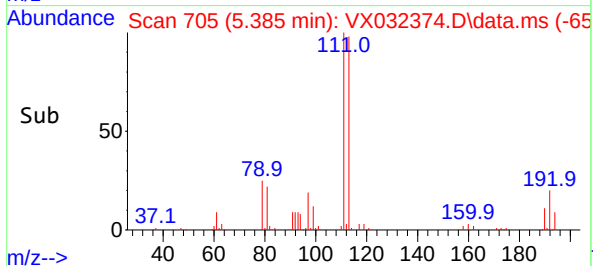
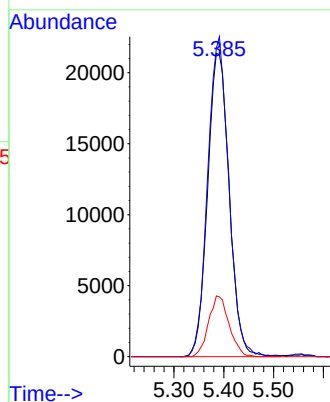
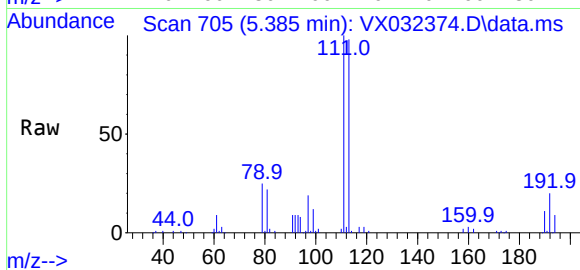
Tgt Ion:113 Resp: 64483

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 18.9 15.5 23.3



#36

1,1-Dichloropropene

Concen: 5.438 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX032374.D

Acq: 25 Oct 2022 19:06

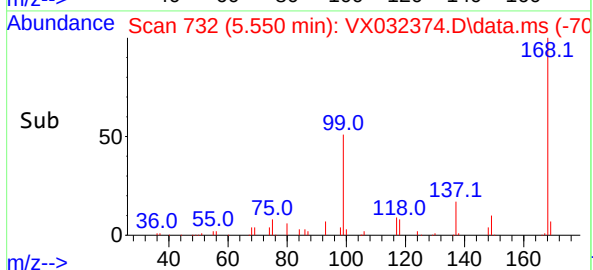
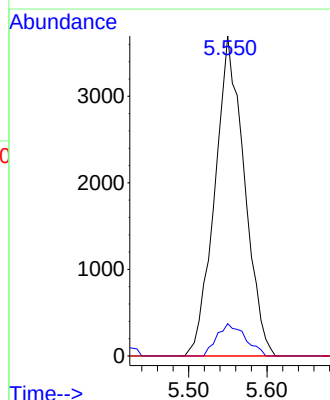
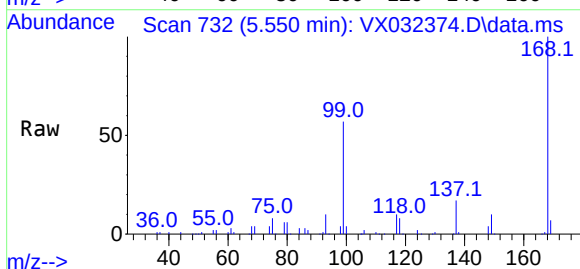
Tgt Ion: 75 Resp: 9673

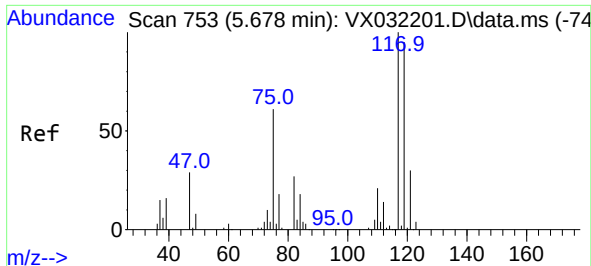
Ion Ratio Lower Upper

75 100

110 9.6 18.4 55.0#

77 0.0 24.7 37.1#

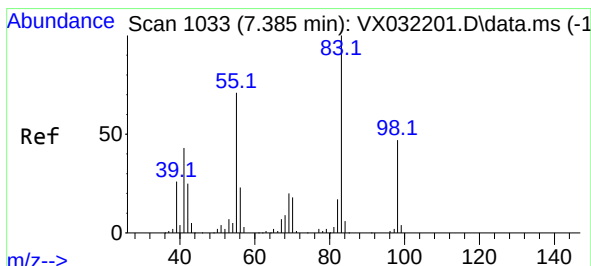
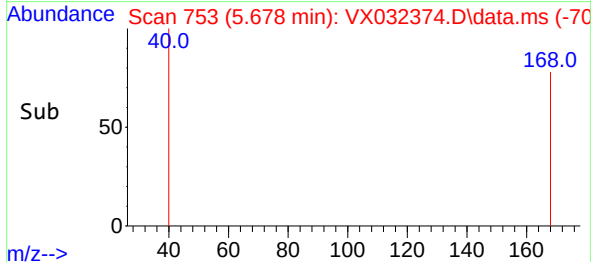
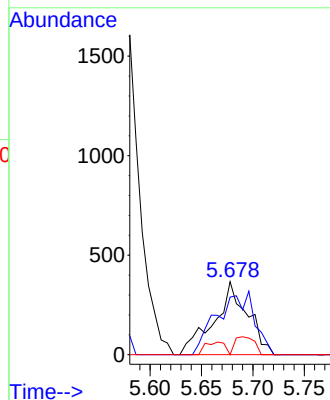
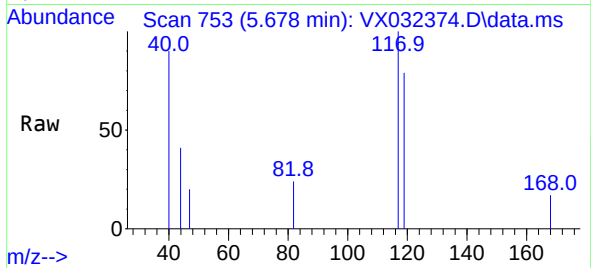




#38
Carbon Tetrachloride
Concen: 0.443 ug/l
RT: 5.678 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

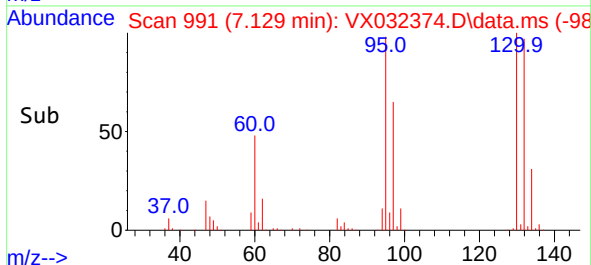
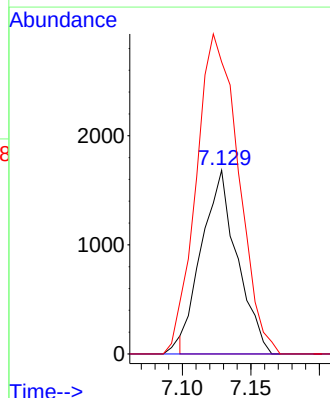
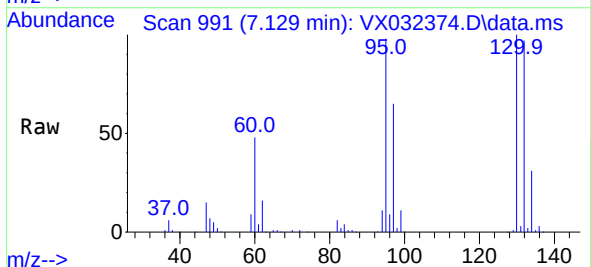
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-1-20221020

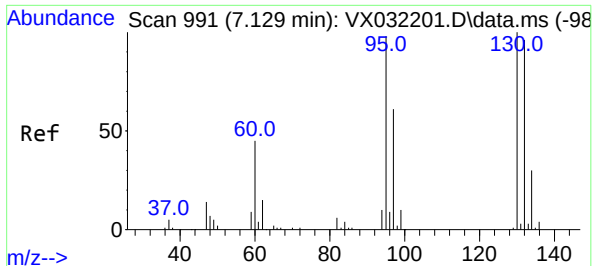
Tgt Ion:117 Resp: 831
Ion Ratio Lower Upper
117 100
119 79.0 75.4 113.0
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 1.423 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

Tgt Ion: 83 Resp: 3023
Ion Ratio Lower Upper
83 100
55 0.0 56.6 85.0#
98 159.0 37.4 56.0#

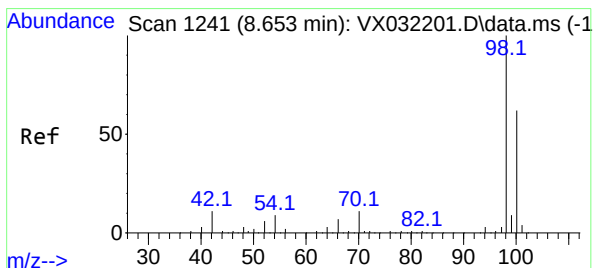
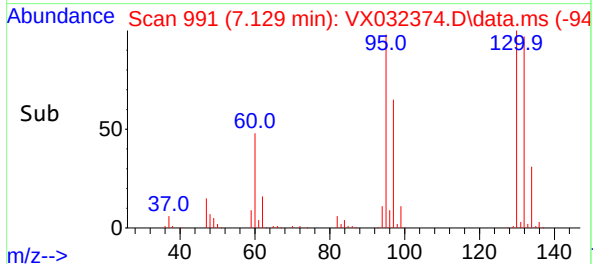
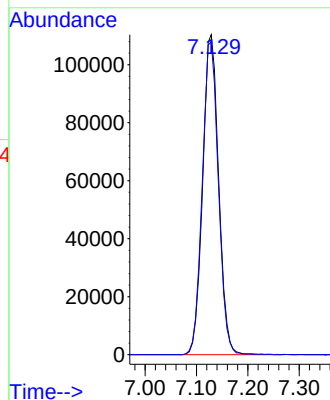
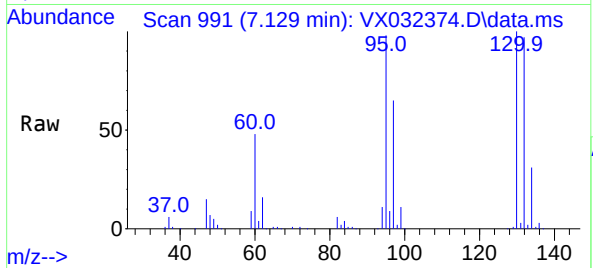




#44
Trichloroethene
Concen: 167.720 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

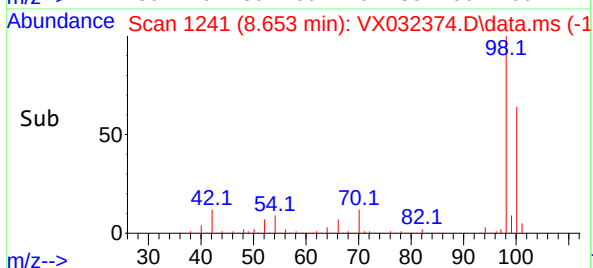
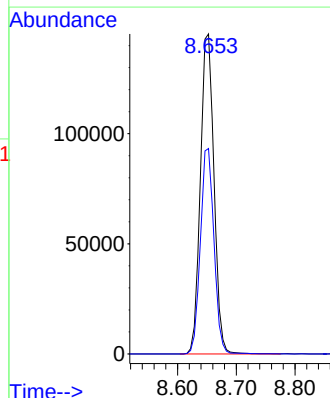
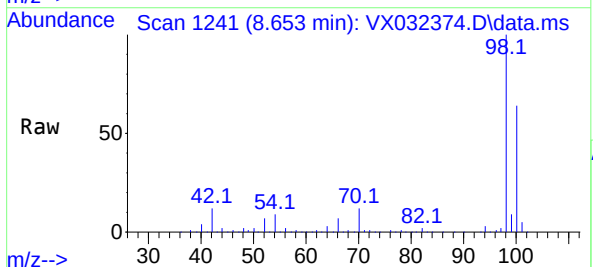
Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-1-20221020

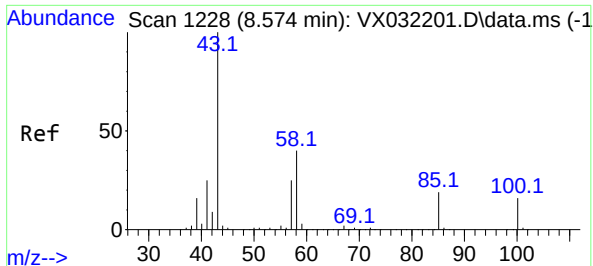
Tgt Ion:130 Resp: 238112
Ion Ratio Lower Upper
130 100
95 97.9 0.0 196.8



#50
Toluene-d8
Concen: 47.006 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

Tgt Ion: 98 Resp: 233982
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.646 ug/l

RT: 8.647 min Scan# 1107

Delta R.T. 0.073 min

Lab File: VX032374.D

Acq: 25 Oct 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

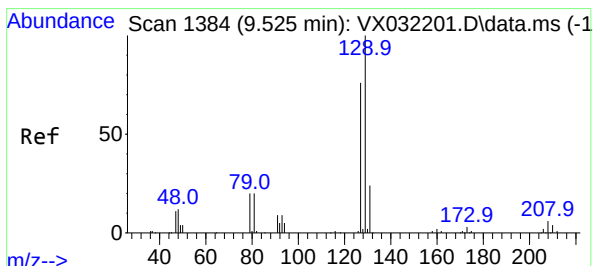
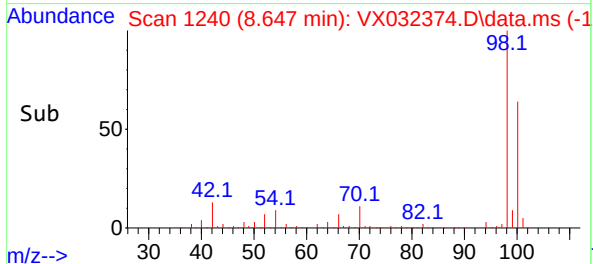
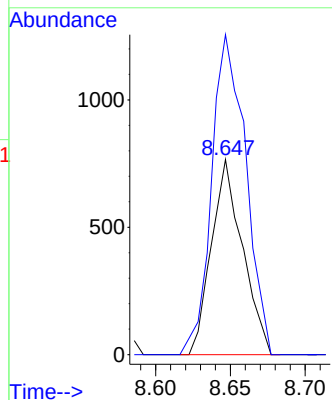
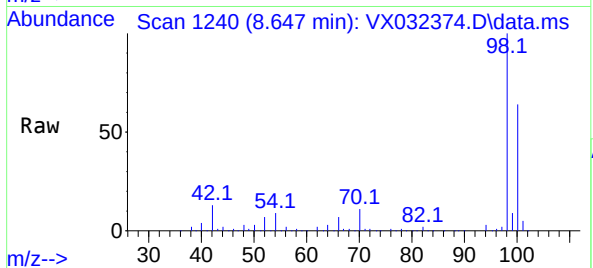
FSND-GEP-1-20221020

Tgt Ion: 43 Resp: 1107

Ion Ratio Lower Upper

43 100

58 179.6 31.0 46.4#



#60

Dibromochloromethane

Concen: 0.816 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX032374.D

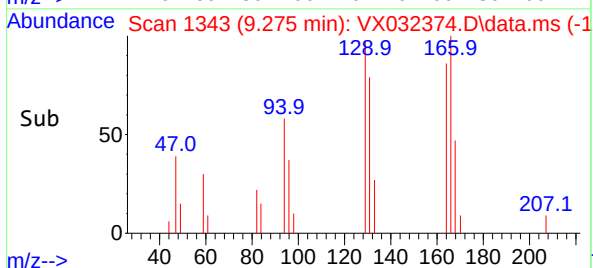
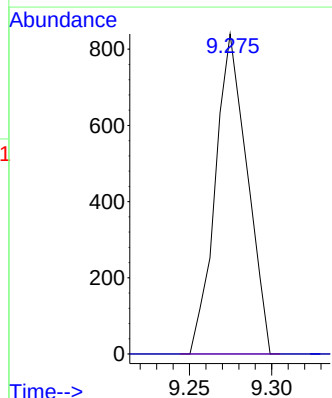
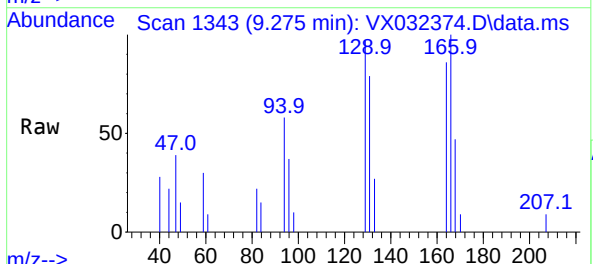
Acq: 25 Oct 2022 19:06

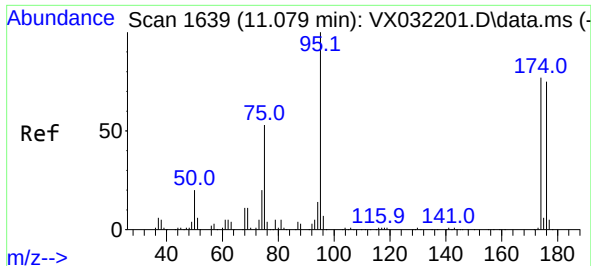
Tgt Ion: 129 Resp: 1134

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 43.786 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032374.D

Acq: 25 Oct 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

FSND-GEP-1-20221020

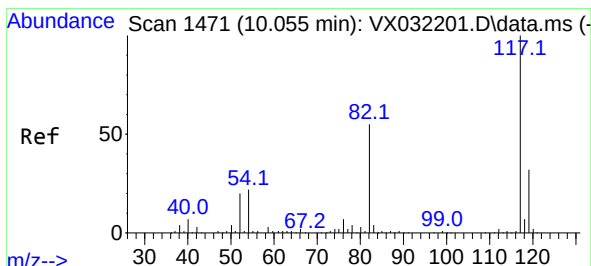
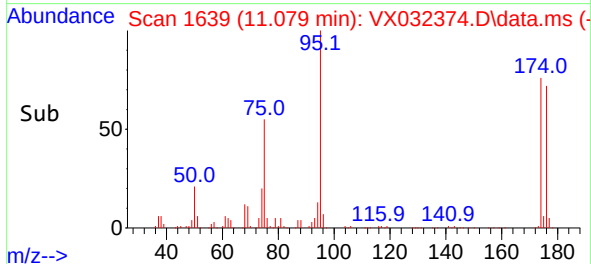
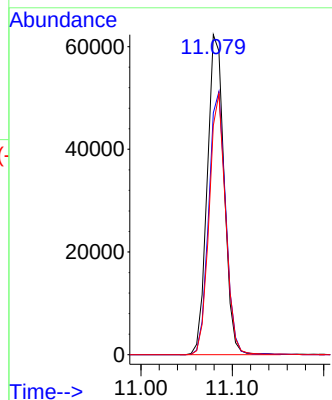
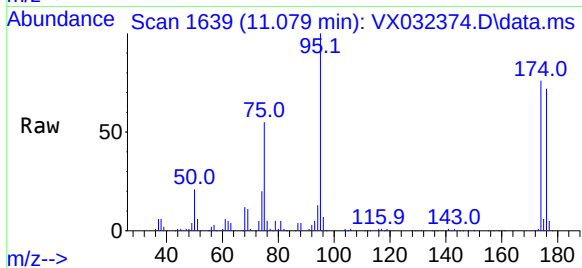
Tgt Ion: 95 Resp: 79812

Ion Ratio Lower Upper

95 100

174 82.7 0.0 166.8

176 79.1 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: VX032374.D

Acq: 25 Oct 2022 19:06

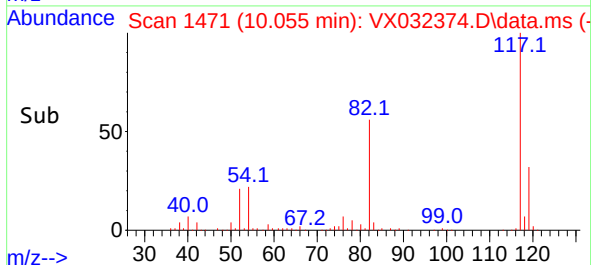
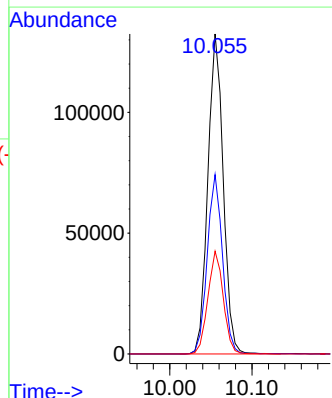
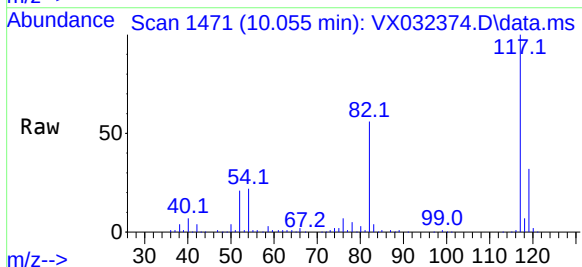
Tgt Ion: 117 Resp: 171990

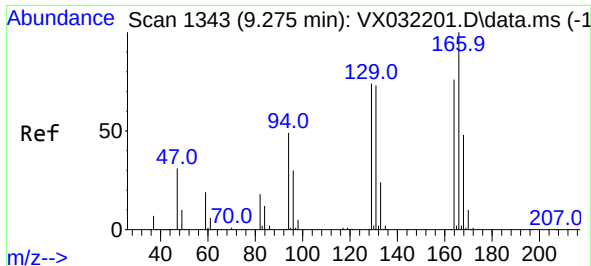
Ion Ratio Lower Upper

117 100

82 56.0 44.2 66.4

119 32.1 25.8 38.8



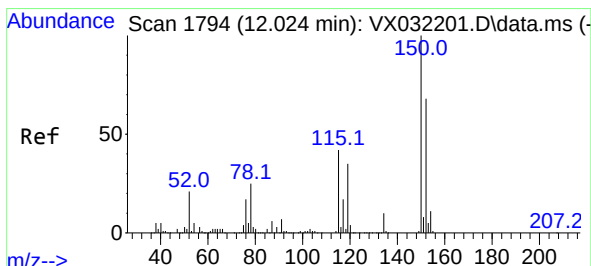
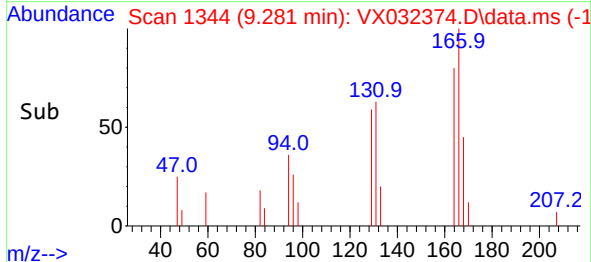
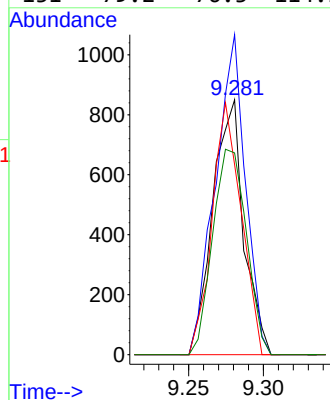
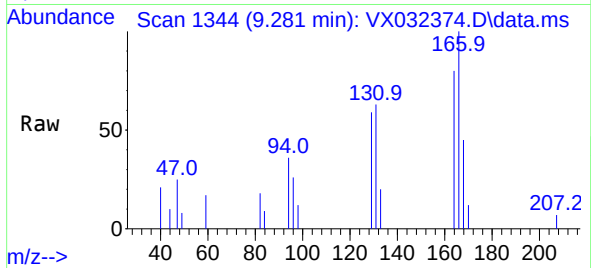


#64
Tetrachloroethene
Concen: 1.079 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-1-20221020

Tgt Ion:164 Resp: 1226

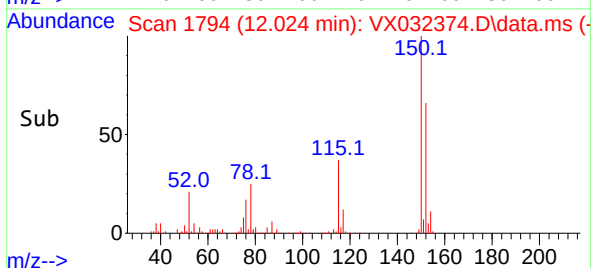
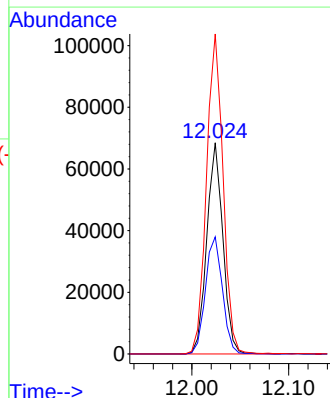
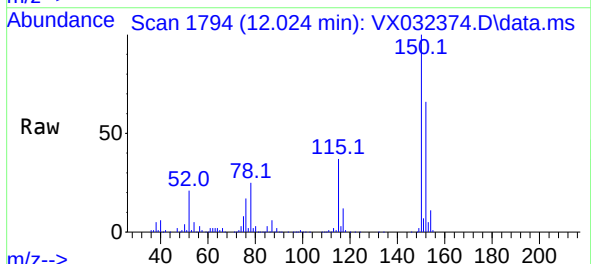
Ion	Ratio	Lower	Upper
164	100		
166	125.5	104.9	157.3
129	74.6	77.8	116.6#
131	79.2	76.3	114.5

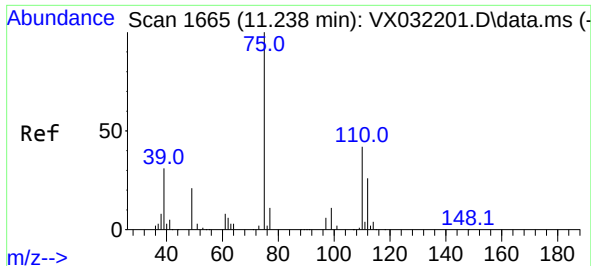


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

Tgt Ion:152 Resp: 79377

Ion	Ratio	Lower	Upper
152	100		
115	58.6	43.1	129.4
150	155.7	0.0	348.6

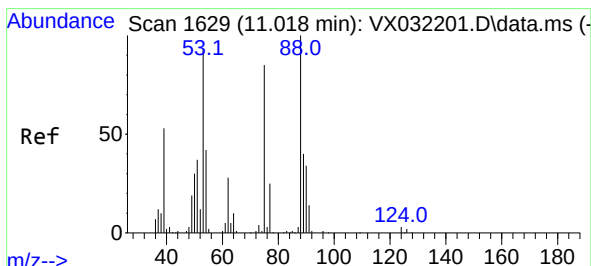
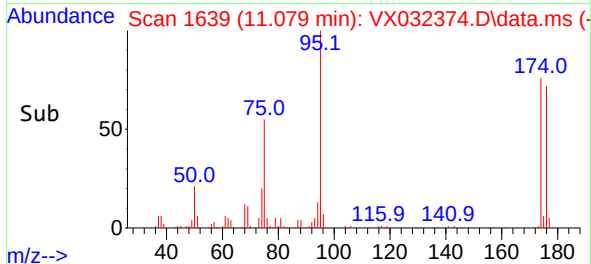
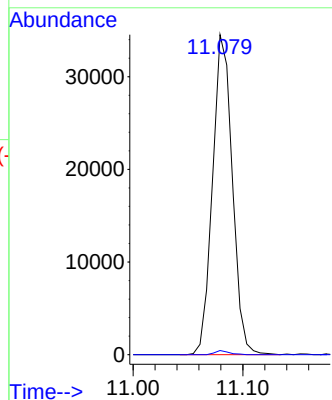
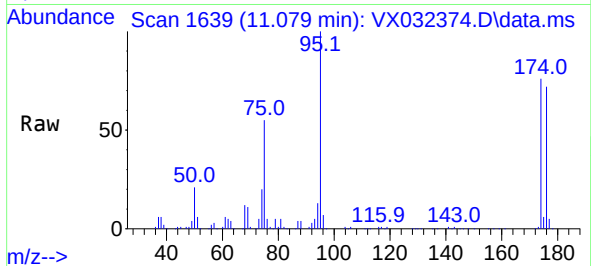




#76
1,2,3-Trichloropropane
Concen: 27.574 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

Instrument :
MSVOA_X
ClientSampleId :
FSND-GEP-1-20221020

Tgt Ion: 75 Resp: 43369
Ion Ratio Lower Upper
75 100
77 0.9 16.0 47.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.607 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032374.D
Acq: 25 Oct 2022 19:06

Tgt Ion: 75 Resp: 43369
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#

