

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051623\
 Data File : VX035689.D
 Acq On : 16 May 2023 14:29
 Operator : JC/MD
 Sample : 02751-02DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-PRO-01-89-05062023DL

Quant Time: May 17 05:30:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

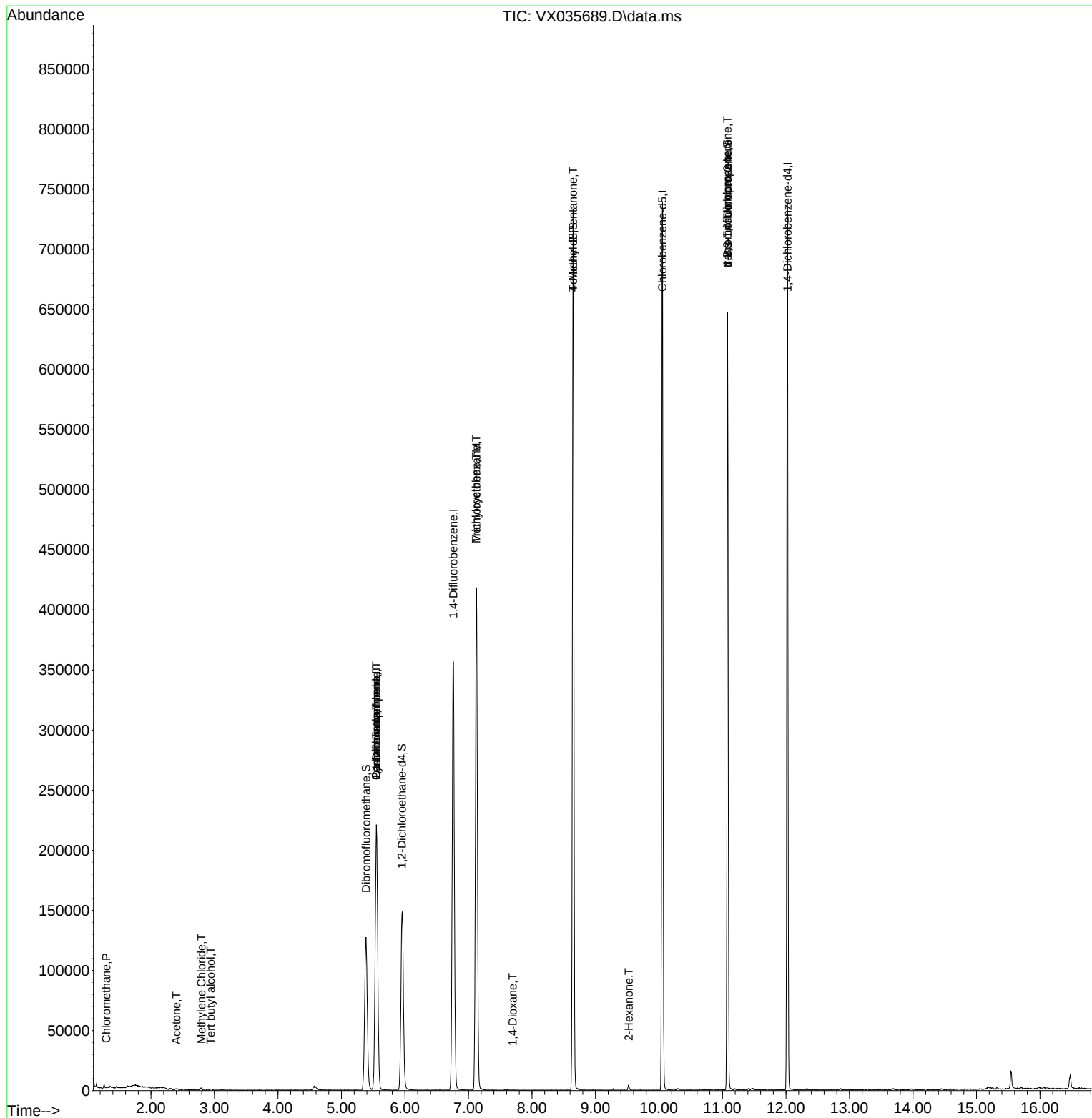
Internal Standards						
1) Pentafluorobenzene	5.550	168	185921	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	339908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	315091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	154811	47.730	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.460%		
35) Dibromofluoromethane	5.385	113	111577	48.674	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.340%		
50) Toluene-d8	8.647	98	412685	48.732	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.460%		
62) 4-Bromofluorobenzene	11.079	95	170570	50.024	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.040%		
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	643	0.219	ug/l	# 85
11) Tert butyl alcohol	2.941	59	637	1.113	ug/l	# 73
16) Acetone	2.398	43	1280	0.918	ug/l	91
20) Methylene Chloride	2.794	84	839	0.332	ug/l	# 72
31) Cyclohexane	5.550	56	5111	1.247	ug/l	# 24
36) 1,1-Dichloropropene	5.550	75	18199	5.030	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	20924	6.105	ug/l	# 16
39) Methylcyclohexane	7.123	83	2035	0.478	ug/l	# 1
44) Trichloroethene	7.123	130	147173	57.341	ug/l	93
49) 1,4-Dioxane	7.696	88	46	2.639	ug/l	# 40
51) 4-Methyl-2-Pentanone	8.647	43	2385	0.629	ug/l	# 1
59) 2-Hexanone	9.525	43	649	0.227	ug/l	# 32
76) 1,2,3-Trichloropropane	11.079	75	93754	27.060	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	93754	87.211	ug/l	# 8

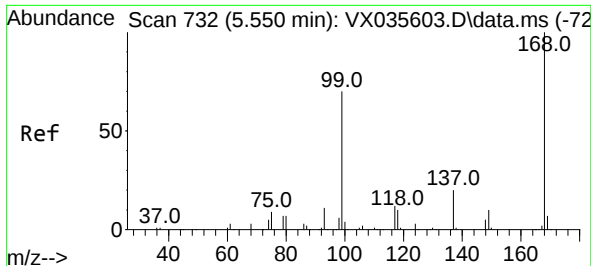
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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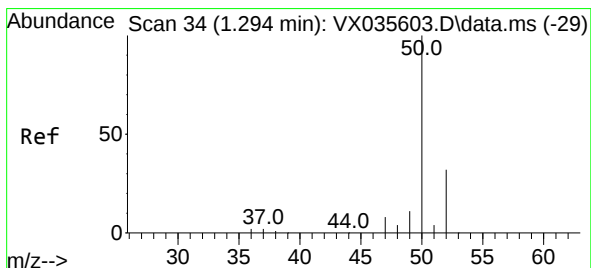
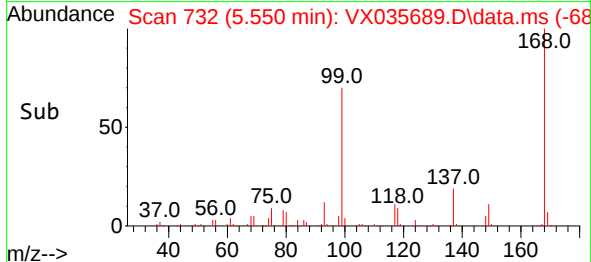
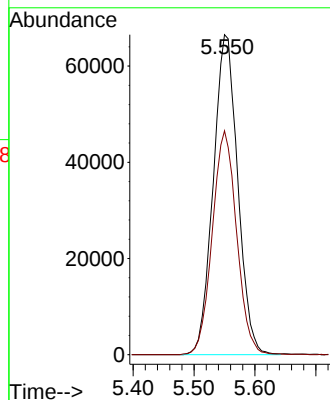
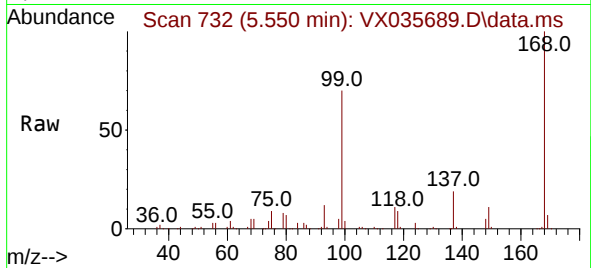




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035689.D
Acq: 16 May 2023 14:29

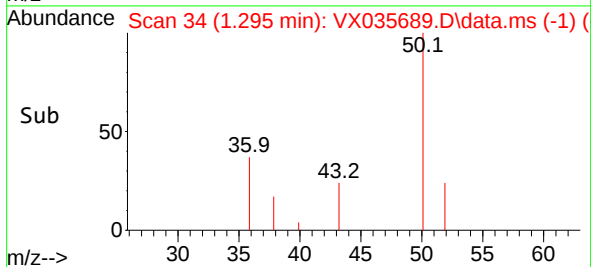
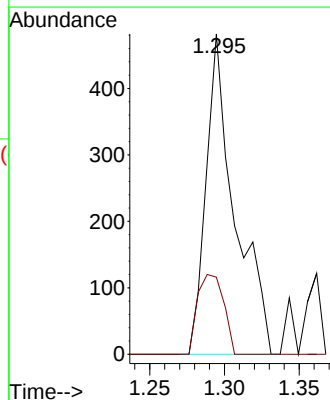
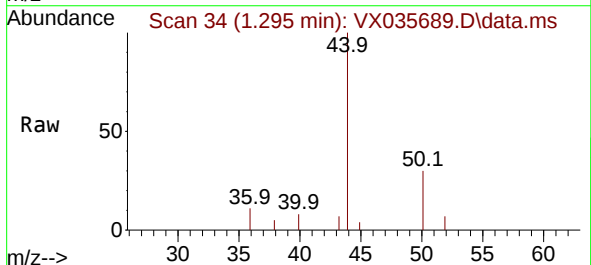
Instrument :
MSVOA_X
ClientSampleId :
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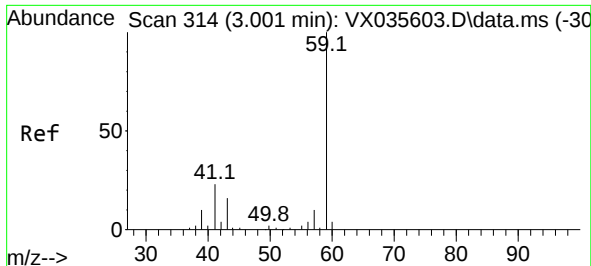
Tgt Ion:168 Resp: 185921
Ion Ratio Lower Upper
168 100
99 70.0 45.7 68.5#



#3
Chloromethane
Concen: 0.219 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX035689.D
Acq: 16 May 2023 14:29

Tgt Ion: 50 Resp: 643
Ion Ratio Lower Upper
50 100
52 24.1 25.9 38.9#

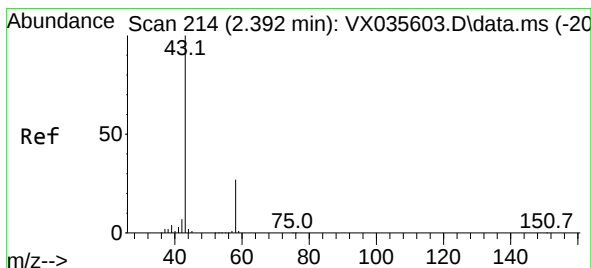
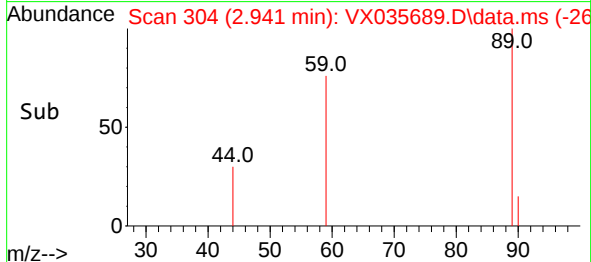
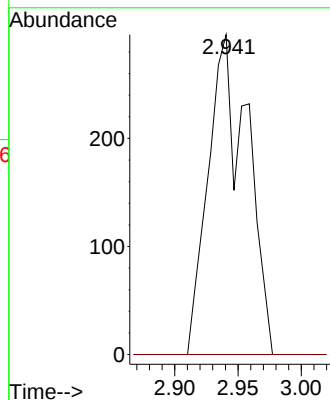
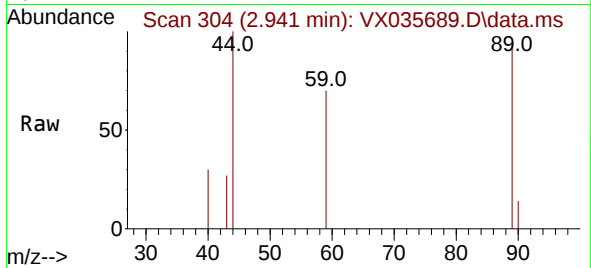




#11
Tert butyl alcohol
Concen: 1.113 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.060 min
Lab File: VX035689.D
Acq: 16 May 2023 14:29

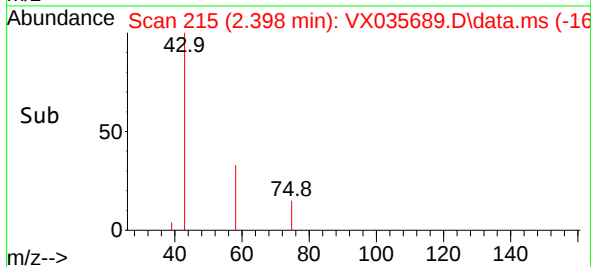
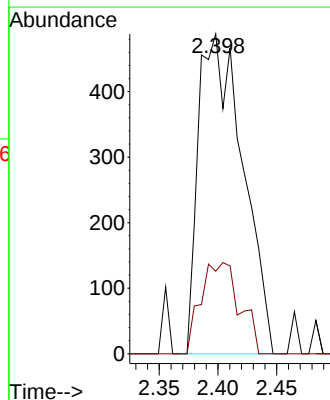
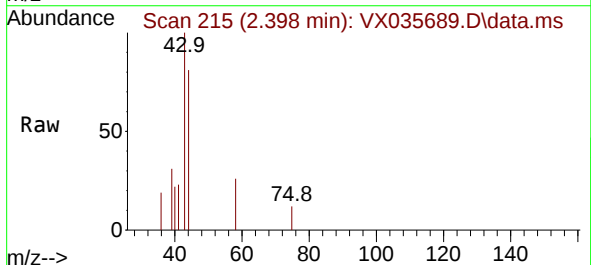
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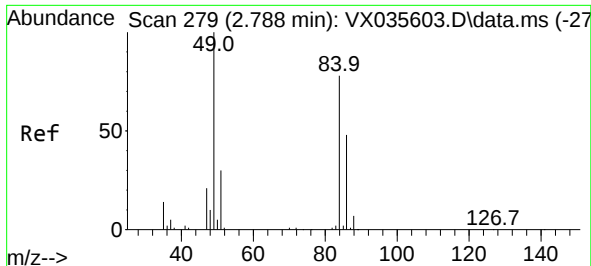
Tgt Ion: 59 Resp: 637
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 0.918 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX035689.D
Acq: 16 May 2023 14:29

Tgt Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
58 25.8 24.7 37.1





#20

Methylene Chloride

Concen: 0.332 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX035689.D

Acq: 16 May 2023 14:29

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-01-89-05062023DL

Tgt Ion: 84 Resp: 839

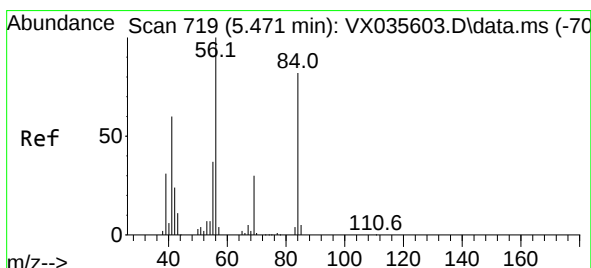
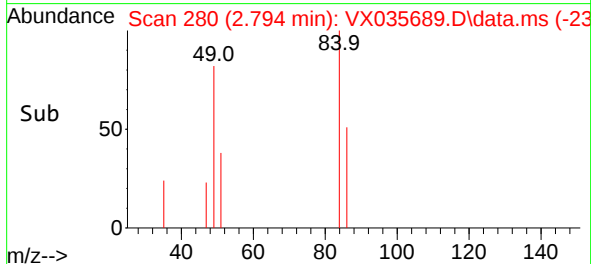
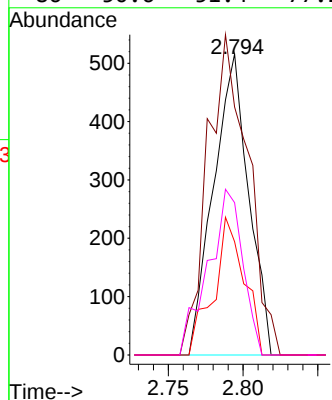
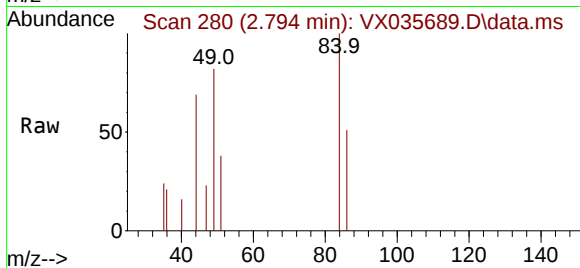
Ion Ratio Lower Upper

84 100

49 82.4 103.8 155.8#

51 37.6 31.8 47.8

86 50.6 51.4 77.2#



#31

Cyclohexane

Concen: 1.247 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX035689.D

Acq: 16 May 2023 14:29

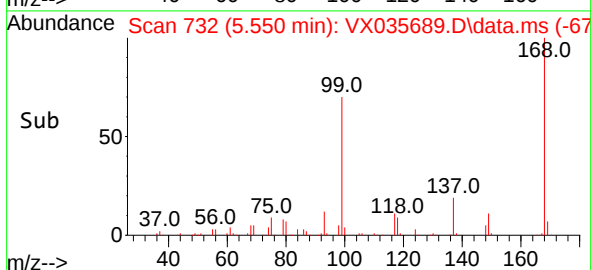
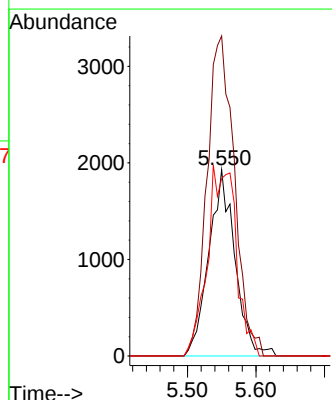
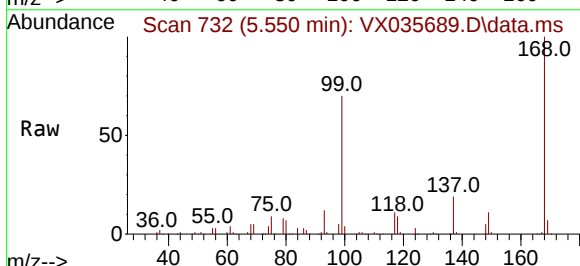
Tgt Ion: 56 Resp: 5111

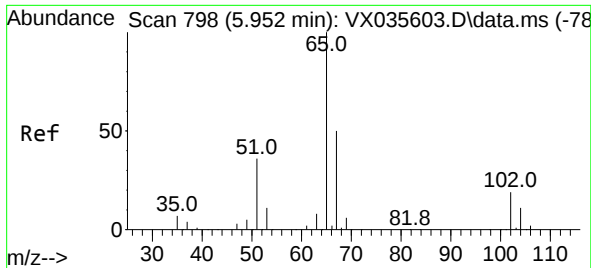
Ion Ratio Lower Upper

56 100

69 171.8 23.7 35.5#

84 95.2 68.5 102.7

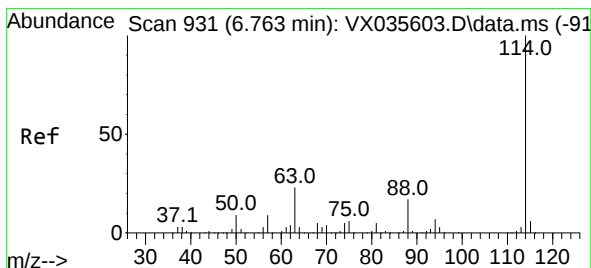
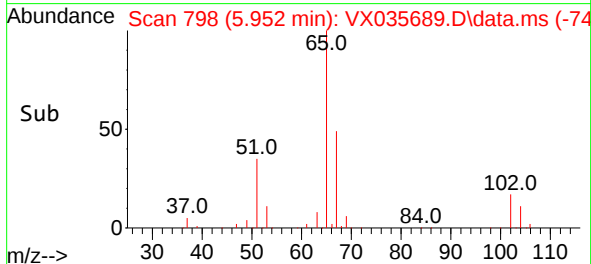
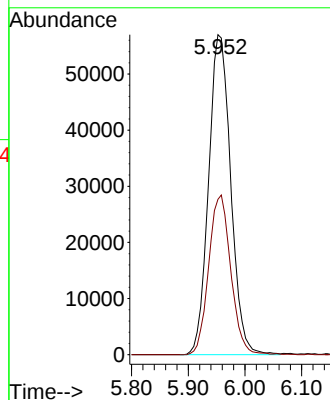
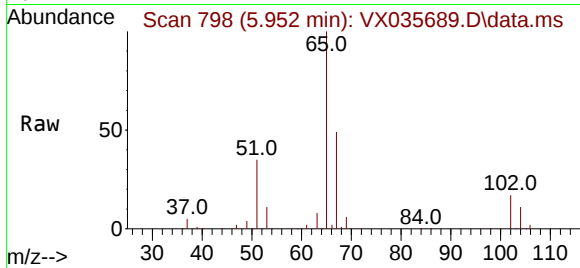




#33
 1,2-Dichloroethane-d4
 Concen: 47.730 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX035689.D
 Acq: 16 May 2023 14:29

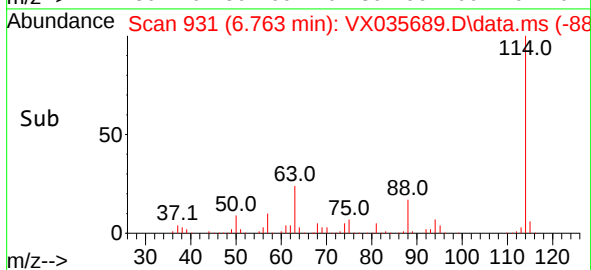
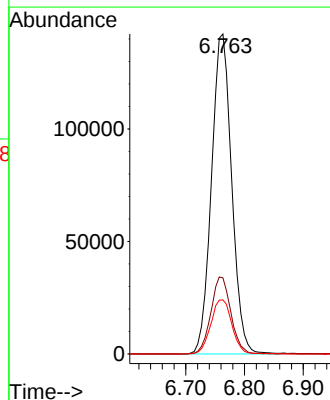
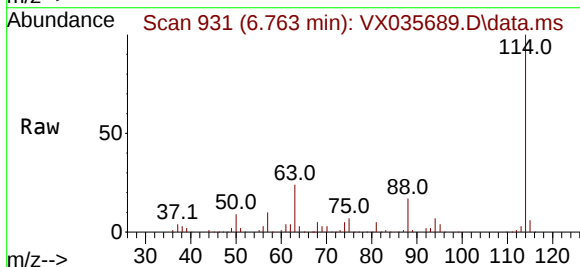
Instrument :
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 ClientSampleId :
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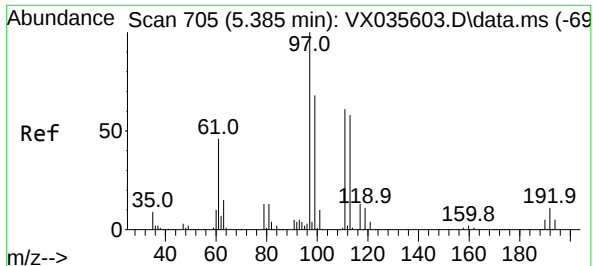
Tgt Ion: 65 Resp: 154811
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX035689.D
 Acq: 16 May 2023 14:29

Tgt Ion: 114 Resp: 339908
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 42.2
 88 16.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.674 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035689.D

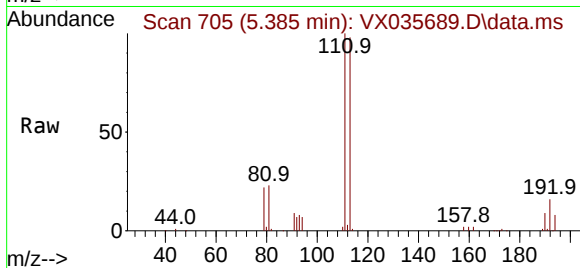
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Instrument :

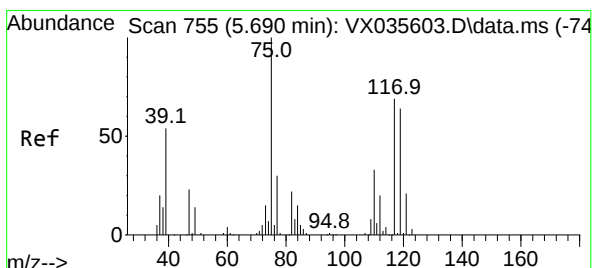
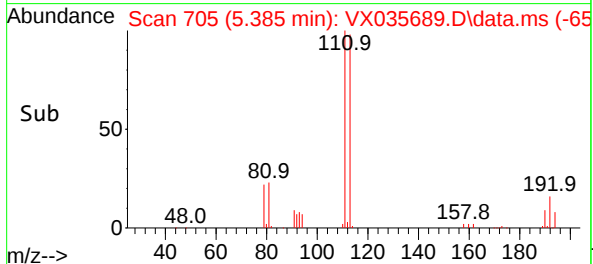
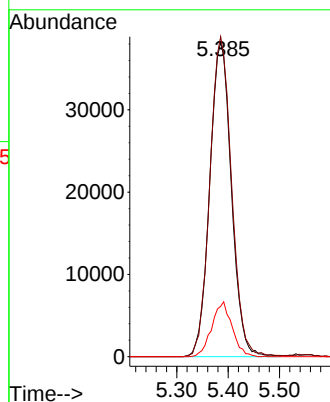
MSVOA_X

ClientSampleId :

FSND-PRO-01-89-05062023DL



Tgt Ion:	113	Resp:	111577
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.7	125.5
192	16.4	15.4	23.2



#36

1,1-Dichloropropene

Concen: 5.030 ug/l

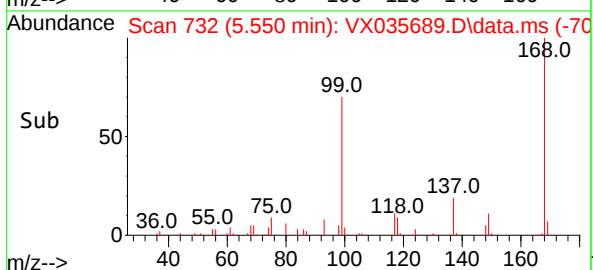
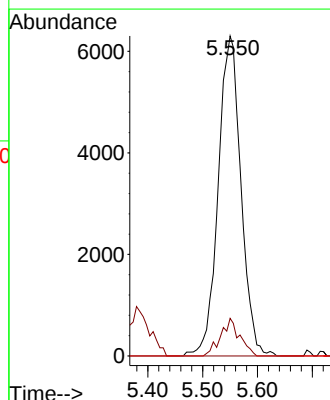
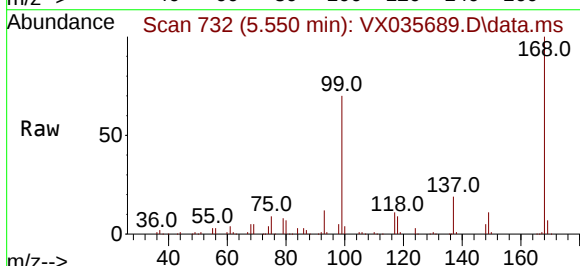
RT: 5.550 min Scan# 732

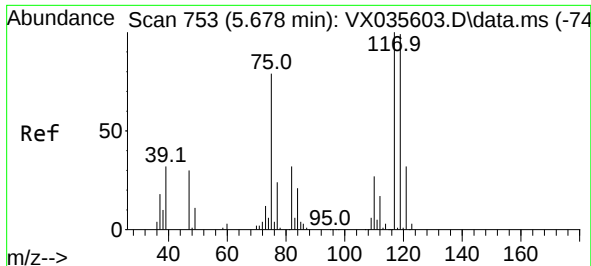
Delta R.T. -0.140 min

Lab File: VX035689.D

Acq: 16 May 2023 14:29

Tgt Ion:	75	Resp:	18199
Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.5	52.5#
77	0.0	24.3	36.5#

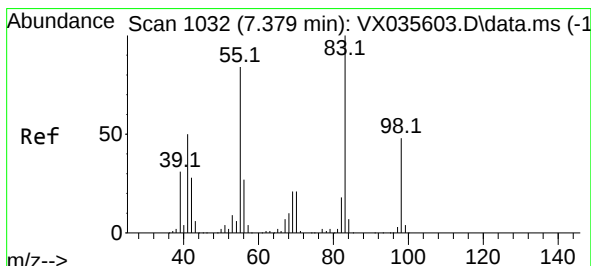
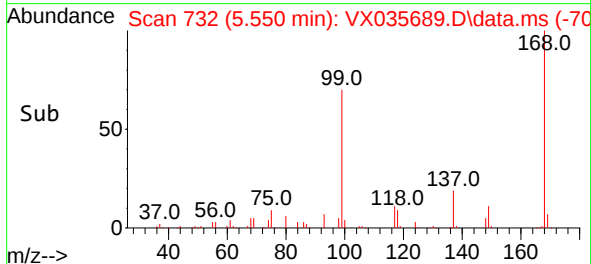
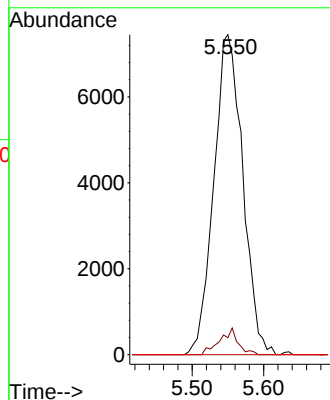
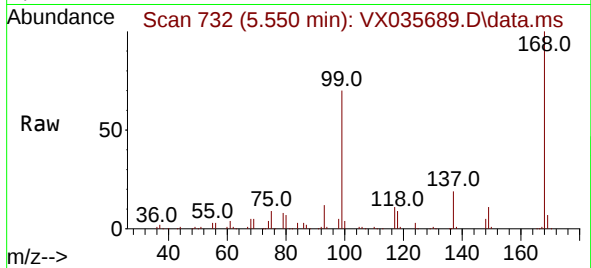




#38
Carbon Tetrachloride
Concen: 6.105 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX035689.D
Acq: 16 May 2023 14:29

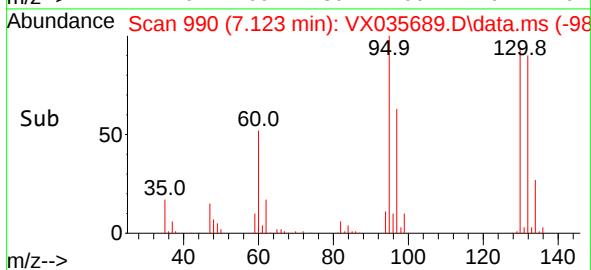
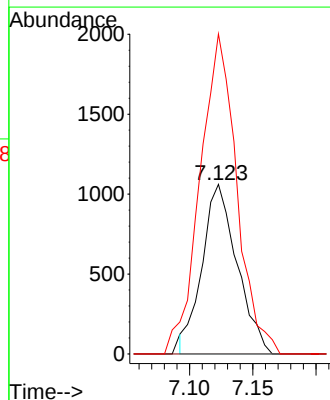
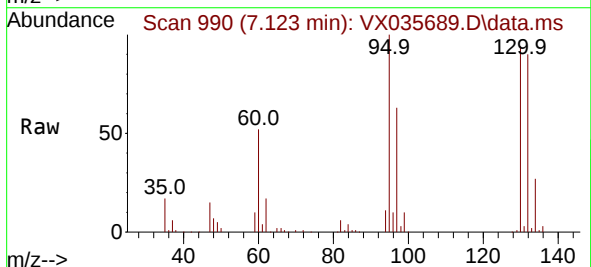
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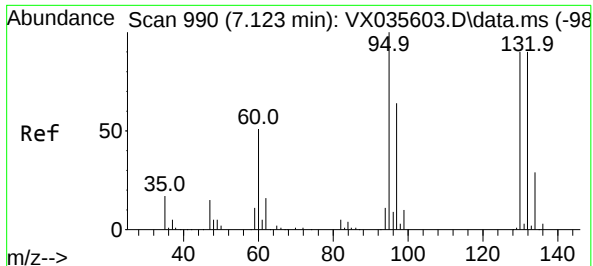
Tgt Ion:117 Resp: 20924
Ion Ratio Lower Upper
117 100
119 5.3 76.6 114.8#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 0.478 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX035689.D
Acq: 16 May 2023 14:29

Tgt Ion: 83 Resp: 2035
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 188.7 40.4 60.6#

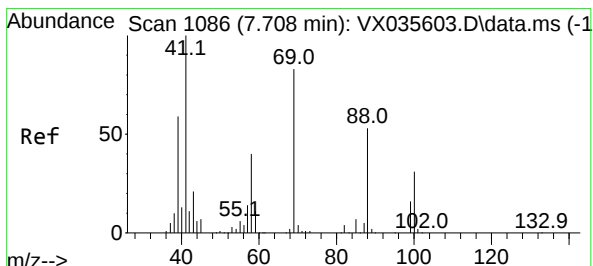
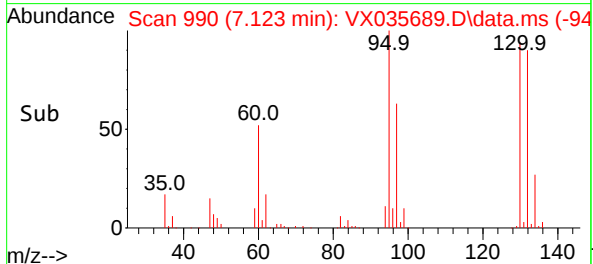
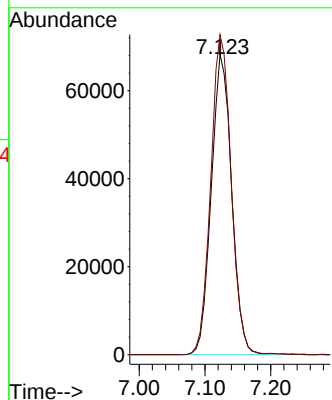
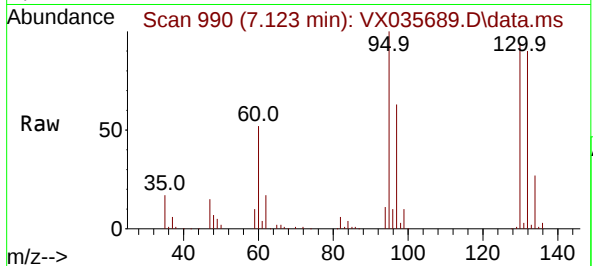




#44
Trichloroethene
Concen: 57.341 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX035689.D
Acq: 16 May 2023 14:29

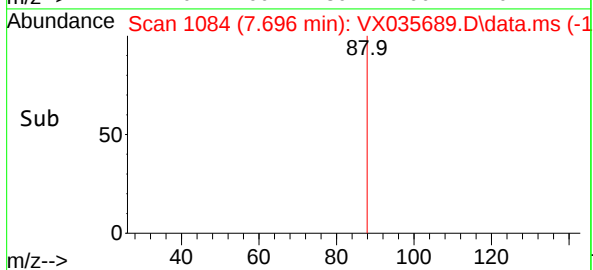
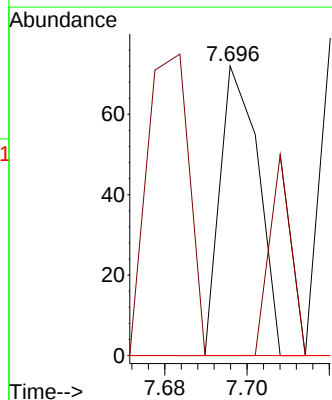
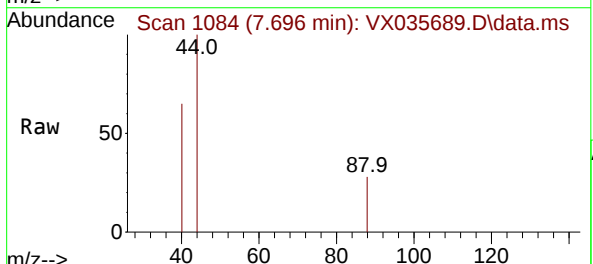
Instrument :
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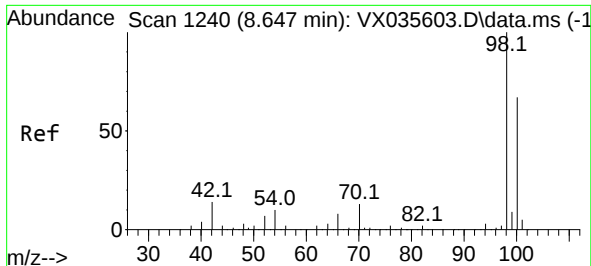
Tgt Ion:130 Resp: 147173
Ion Ratio Lower Upper
130 100
95 106.4 0.0 198.4



#49
1,4-Dioxane
Concen: 2.639 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.012 min
Lab File: VX035689.D
Acq: 16 May 2023 14:29

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 39.1 27.7 41.5
58 0.0 56.8 85.2#

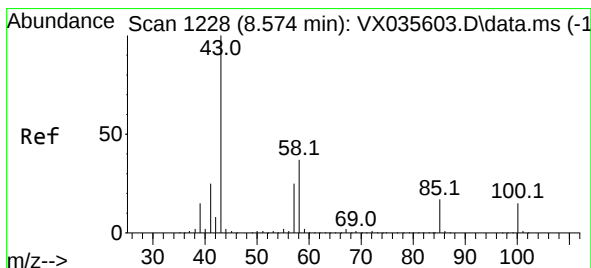
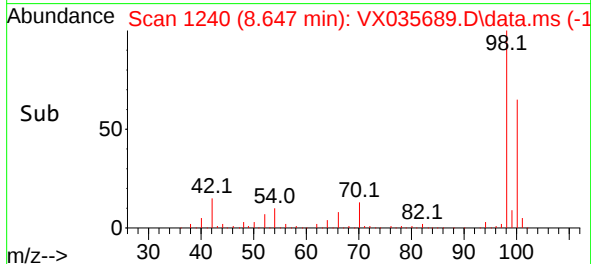
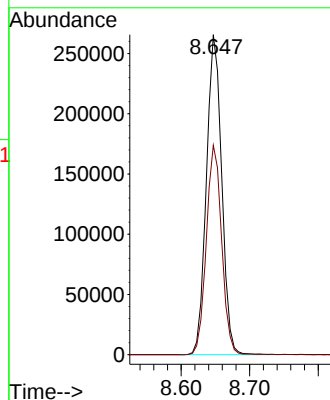
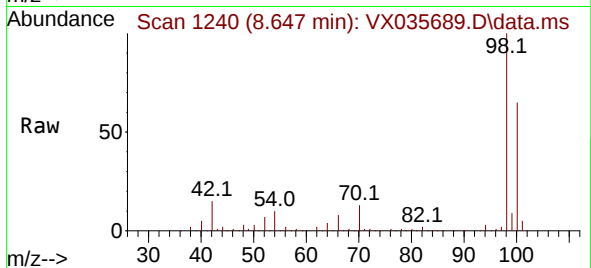




#50
Toluene-d8
Concen: 48.732 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035689.D
Acq: 16 May 2023 14:29

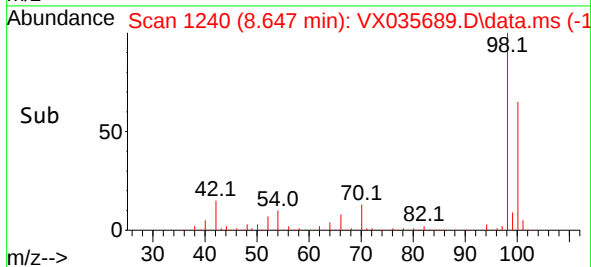
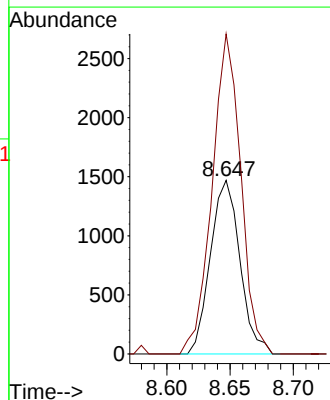
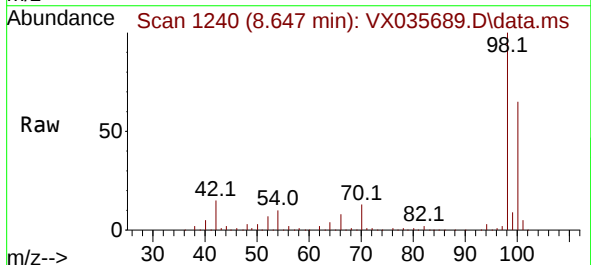
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-01-89-05062023DL

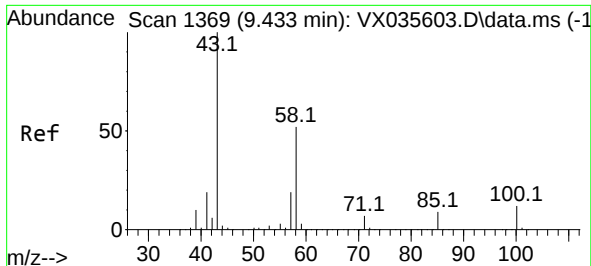
Tgt Ion: 98 Resp: 412685
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.629 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX035689.D
Acq: 16 May 2023 14:29

Tgt Ion: 43 Resp: 2385
Ion Ratio Lower Upper
43 100
58 178.8 30.6 46.0#

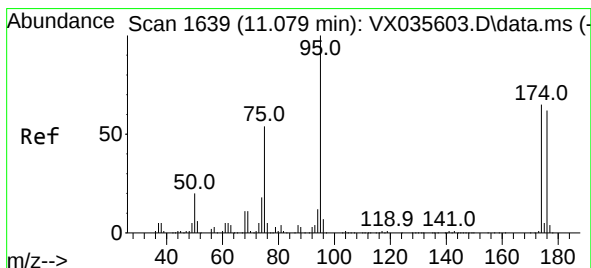
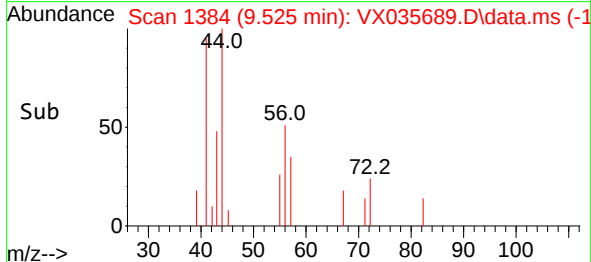
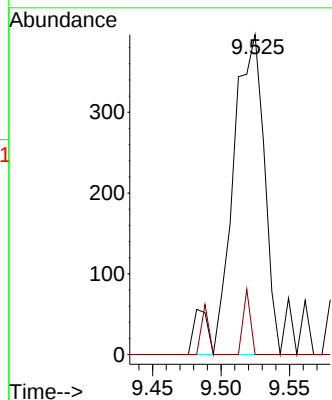
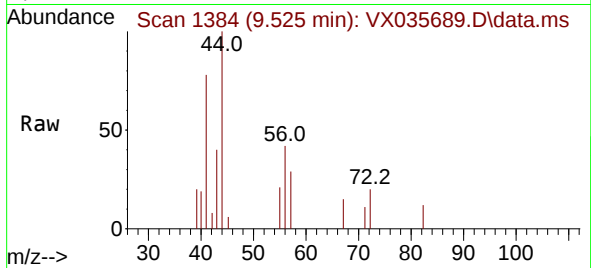




#59
2-Hexanone
Concen: 0.227 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.092 min
Lab File: VX035689.D
Acq: 16 May 2023 14:29

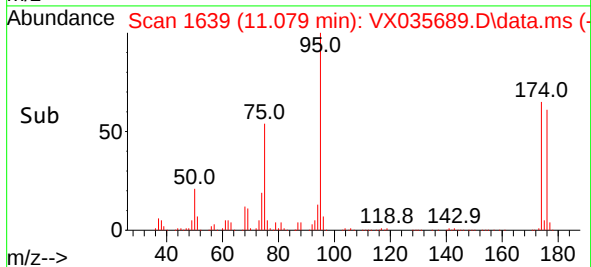
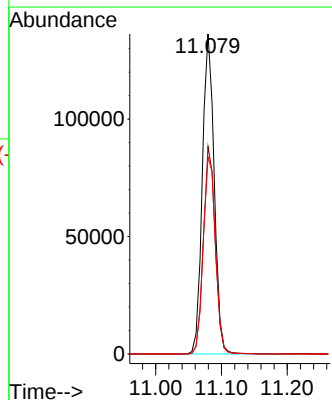
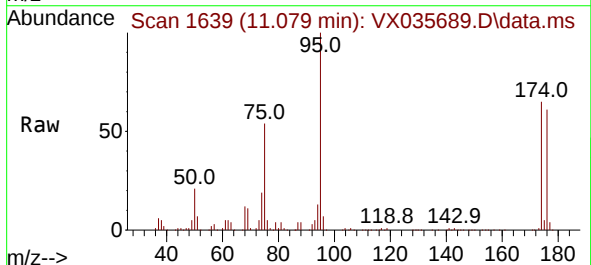
Instrument :
MSVOA_X
ClientSampleId :
FSND-PRO-01-89-05062023DL

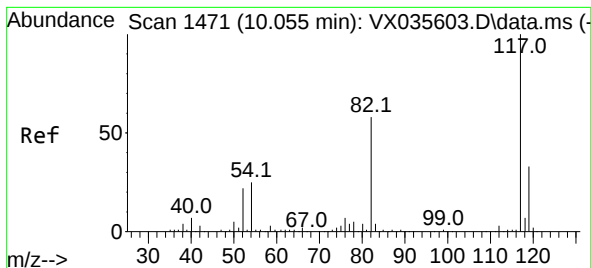
Tgt Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
58 4.6 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 50.024 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035689.D
Acq: 16 May 2023 14:29

Tgt Ion: 95 Resp: 170570
Ion Ratio Lower Upper
95 100
174 64.7 0.0 147.4
176 63.4 0.0 140.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX035689.D

Acq: 16 May 2023 14:29

Instrument :

MSVOA_X

ClientSampleId :

FSND-PRO-01-89-05062023DL

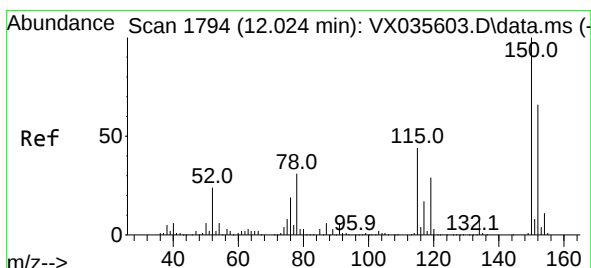
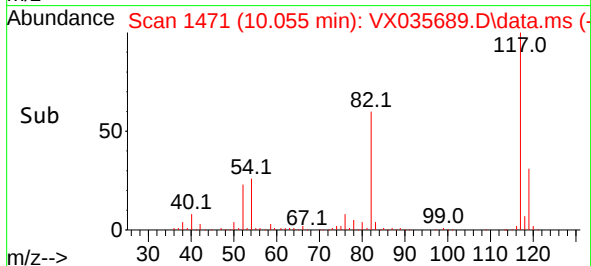
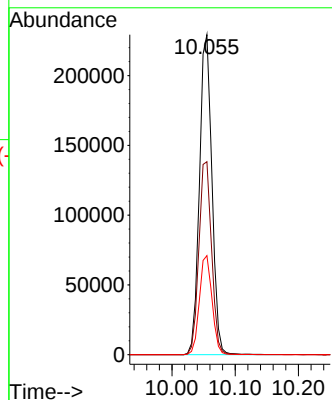
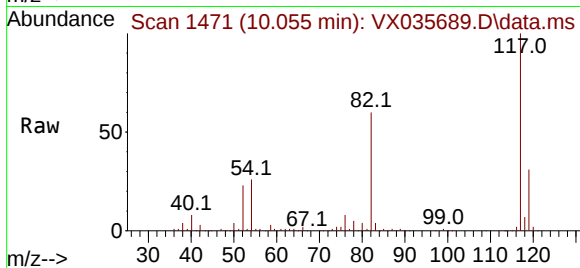
Tgt Ion:117 Resp: 315091

Ion Ratio Lower Upper

117 100

82 60.3 45.0 67.4

119 31.0 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX035689.D

Acq: 16 May 2023 14:29

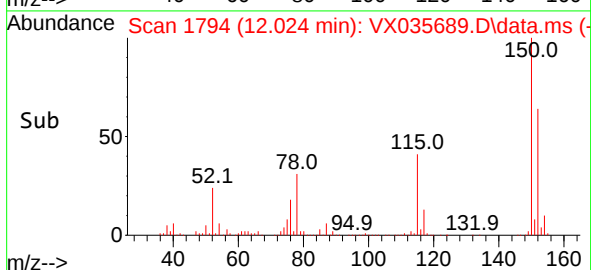
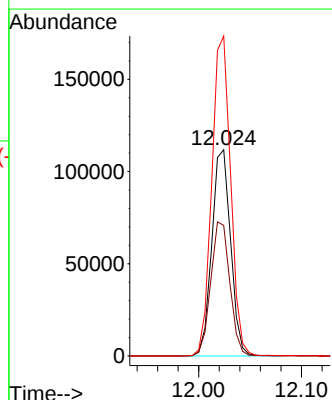
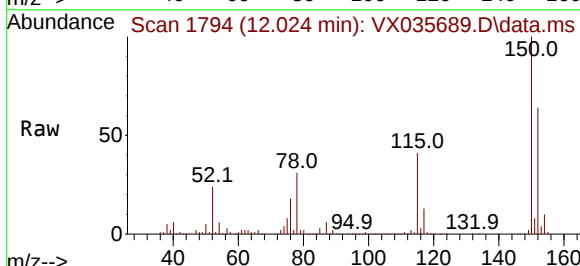
Tgt Ion:152 Resp: 141644

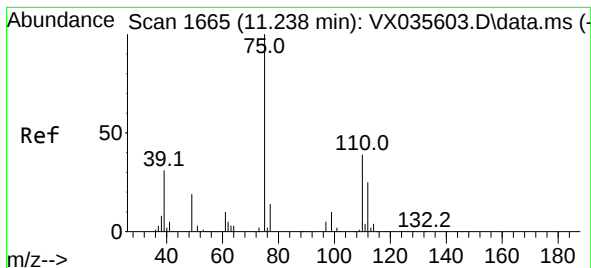
Ion Ratio Lower Upper

152 100

115 66.2 45.0 135.0

150 155.7 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 27.060 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX035689.D

Acq: 16 May 2023 14:29

Instrument :

MSVOA_X

ClientSampleId :

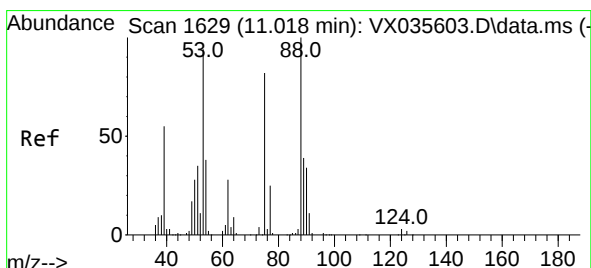
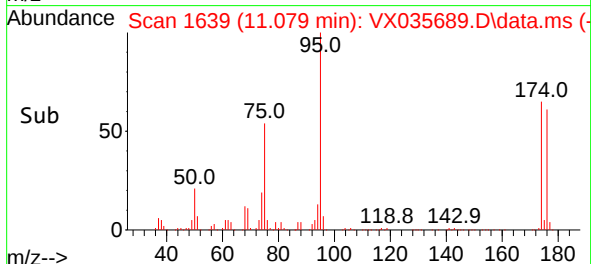
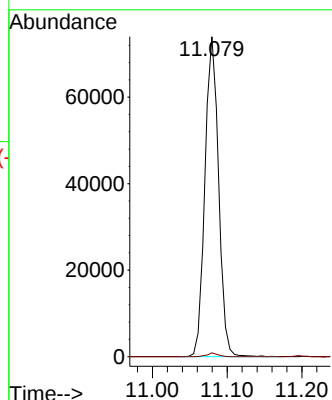
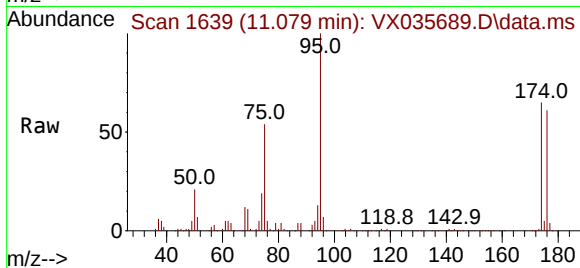
FSND-PRO-01-89-05062023DL

Tgt Ion: 75 Resp: 93754

Ion Ratio Lower Upper

75 100

77 1.0 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.211 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX035689.D

Acq: 16 May 2023 14:29

Tgt Ion: 75 Resp: 93754

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

