

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032822\
 Data File : VX027751.D
 Acq On : 28 Mar 2022 15:30
 Operator : JC/MD
 Sample : N2104-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FRAC-TANK-A229DL

Quant Time: Mar 28 17:02:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 16:26:59 2022
 Response via : Initial Calibration

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

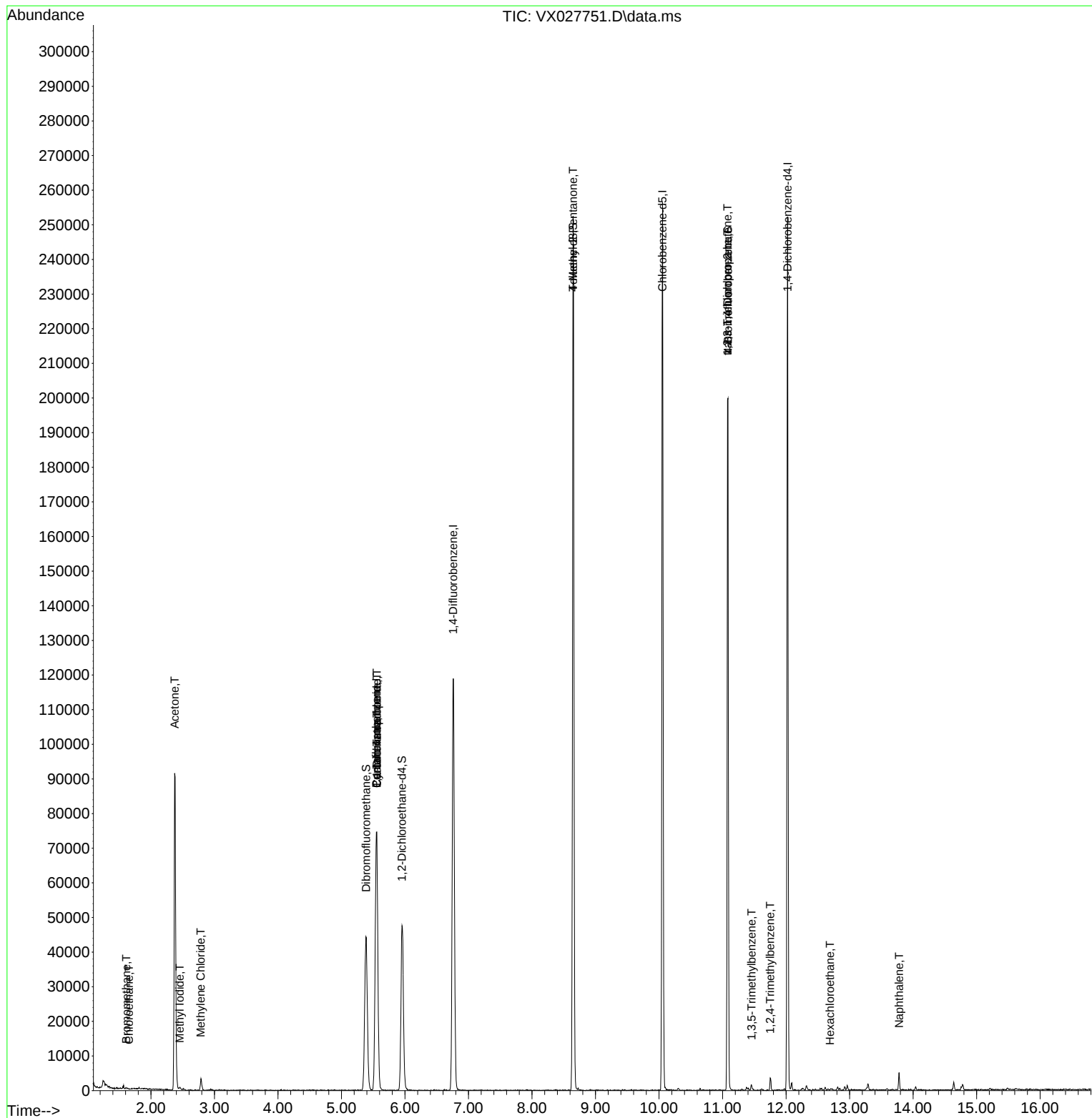
Internal Standards						
1) Pentafluorobenzene	5.550	168	67986	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	120806	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	47971	43.021	ug/l	-0.01
Spiked Amount	50.000	Range	61 - 141	Recovery	=	86.040%
35) Dibromofluoromethane	5.385	113	38821	48.935	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.860%
50) Toluene-d8	8.647	98	146589	47.800	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.600%
62) 4-Bromofluorobenzene	11.085	95	57654	46.332	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.660%
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	117	0.371	ug/l	# 80
6) Chloroethane	1.654	64	126	0.250	ug/l	# 43
10) Methyl Iodide	2.453	142	570	3.528	ug/l	# 85
16) Acetone	2.374	43	95515	202.541	ug/l	92
20) Methylene Chloride	2.782	84	1535	1.824	ug/l	89
29) Tetrahydrofuran	5.050	42	39	Below Cal	#	25
31) Cyclohexane	5.556	56	1565	1.157	ug/l	# 3
36) 1,1-Dichloropropene	5.556	75	5944	4.744	ug/l	# 48
38) Carbon Tetrachloride	5.556	117	7439	6.075	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.647	43	735	0.486	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	29309	22.316	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.457	105	813	0.244	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	29309	75.961	ug/l	# 15
84) 1,2,4-Trimethylbenzene	11.750	105	1843	0.545	ug/l	94
90) Hexachloroethane	12.695	117	154	0.306	ug/l	# 10
95) Naphthalene	13.780	128	3067	0.913	ug/l	98

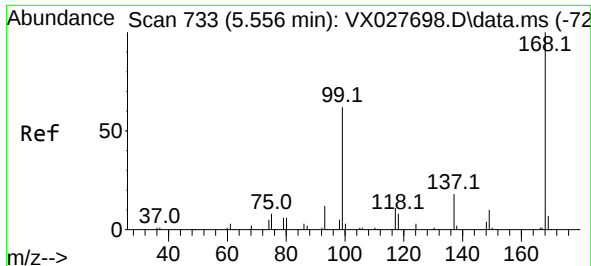
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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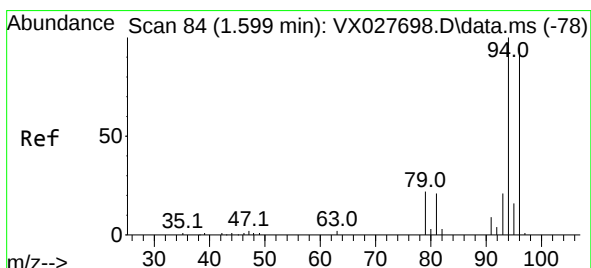
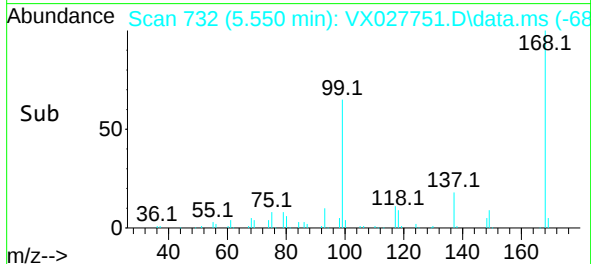
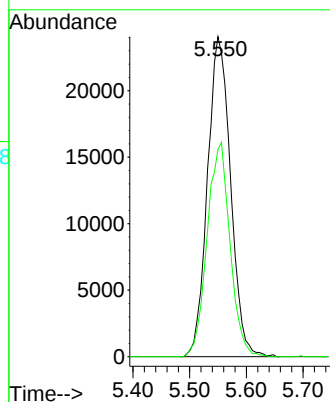
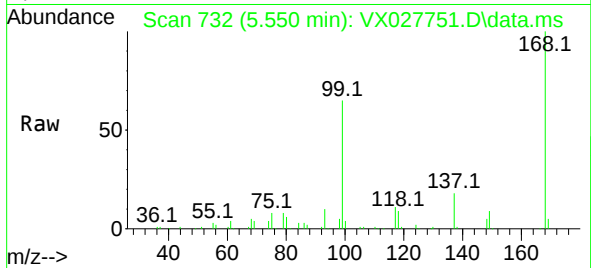




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

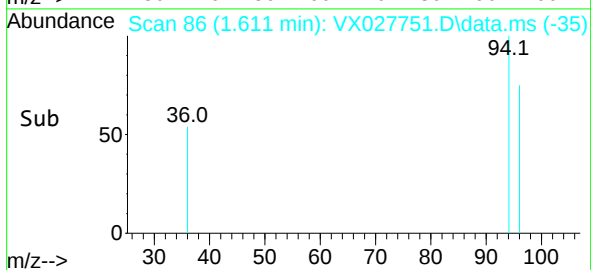
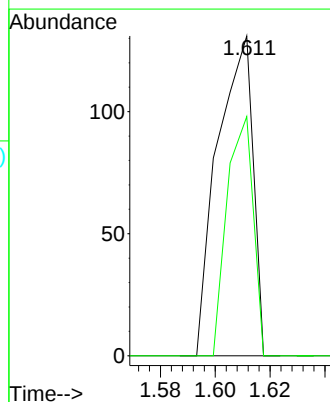
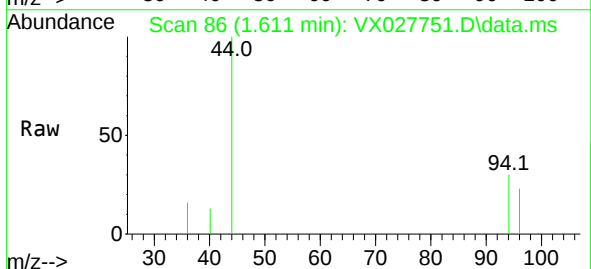
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A229DL

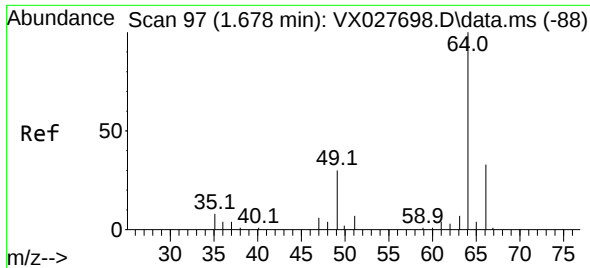
Tgt Ion:168 Resp: 67986
Ion Ratio Lower Upper
168 100
99 64.7 41.7 62.5#



#5
Bromomethane
Concen: 0.371 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

Tgt Ion: 94 Resp: 117
Ion Ratio Lower Upper
94 100
96 74.8 75.3 112.9#

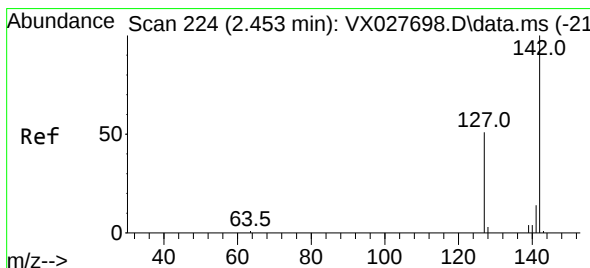
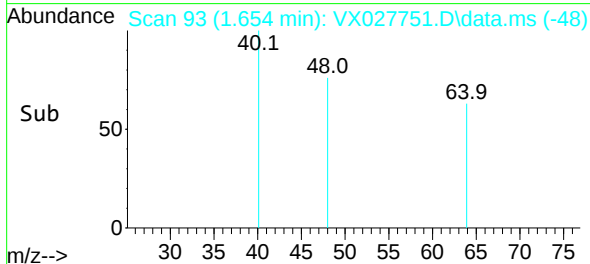
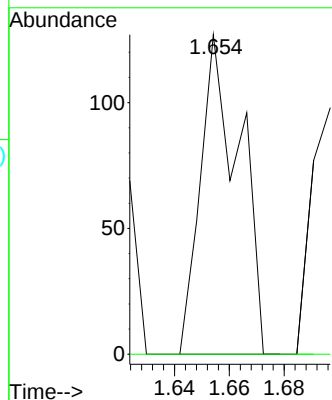
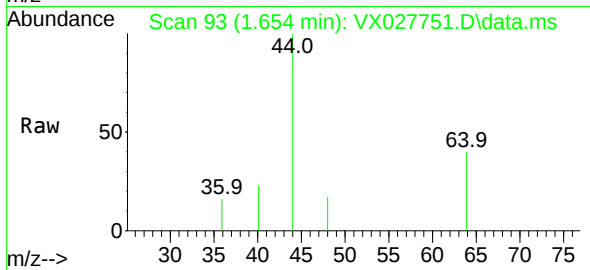




#6
Chloroethane
Concen: 0.250 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

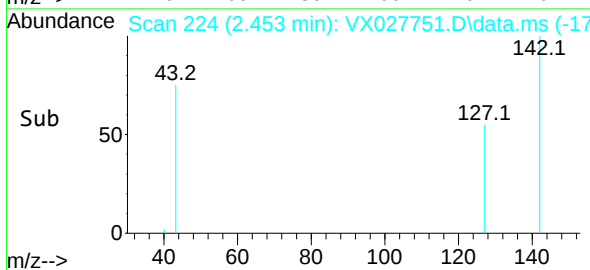
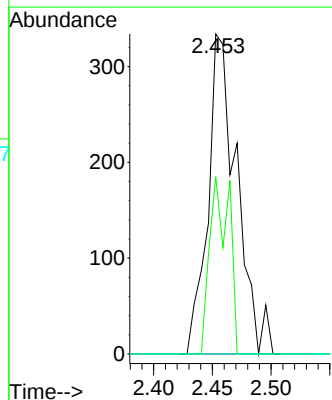
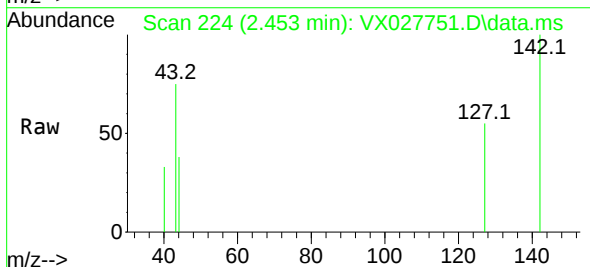
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A229DL

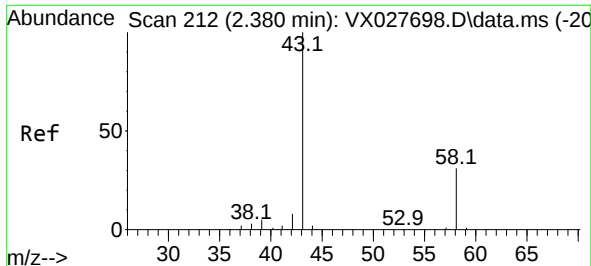
Tgt Ion: 64 Resp: 126
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 3.528 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

Tgt Ion: 142 Resp: 570
Ion Ratio Lower Upper
142 100
127 37.4 33.9 50.9
141 0.0 11.4 17.2#

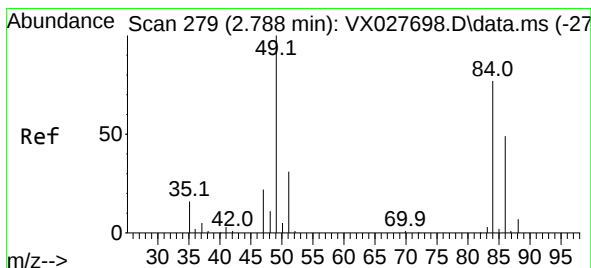
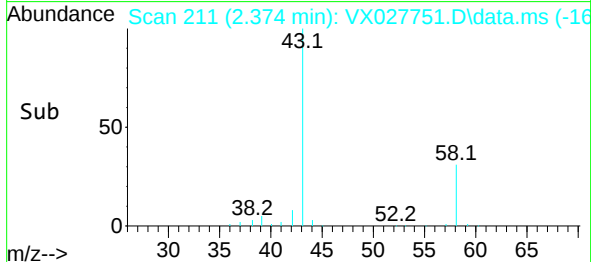
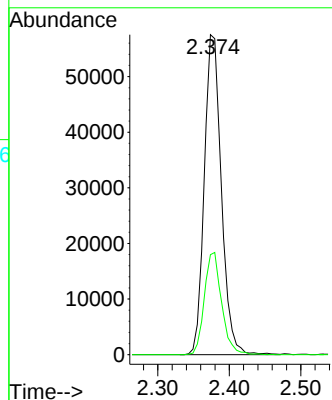
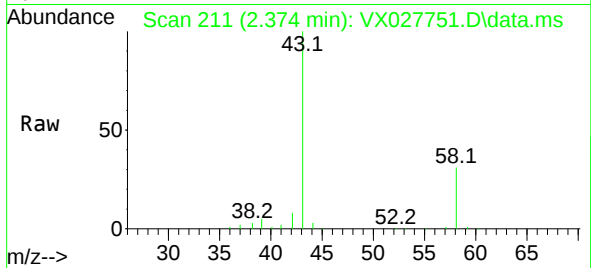




#16
Acetone
Concen: 202.541 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

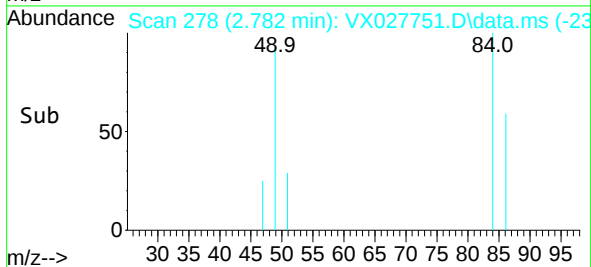
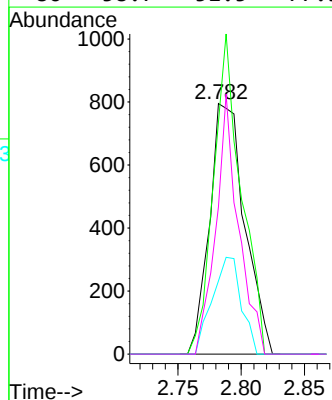
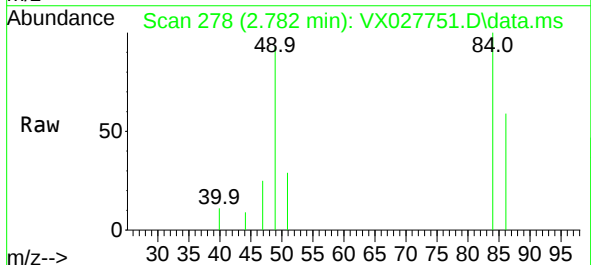
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A229DL

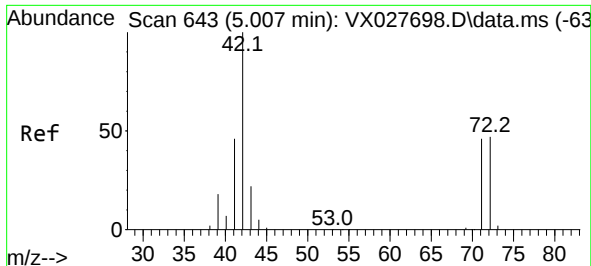
Tgt Ion: 43 Resp: 95515
Ion Ratio Lower Upper
43 100
58 31.3 28.8 43.2



#20
Methylene Chloride
Concen: 1.824 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

Tgt Ion: 84 Resp: 1535
Ion Ratio Lower Upper
84 100
49 92.6 85.5 128.3
51 29.2 26.6 39.8
86 58.7 51.5 77.3





#29

Tetrahydrofuran

Concen: Below Cal

RT: 5.050 min Scan# 61

Delta R.T. 0.043 min

Lab File: VX027751.D

Acq: 28 Mar 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

FRAC-TANK-A229DL

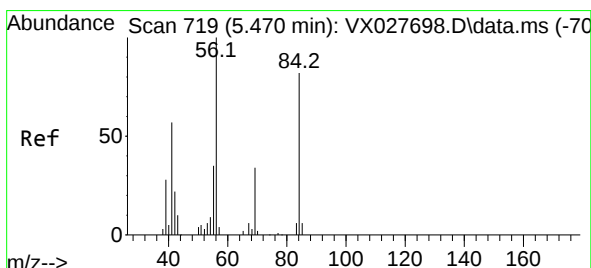
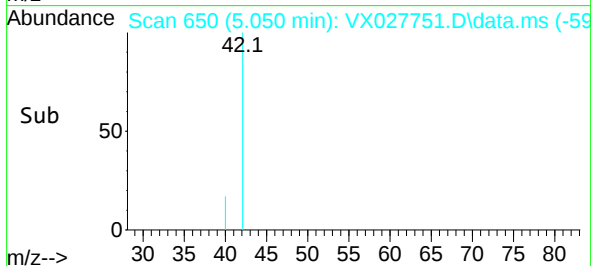
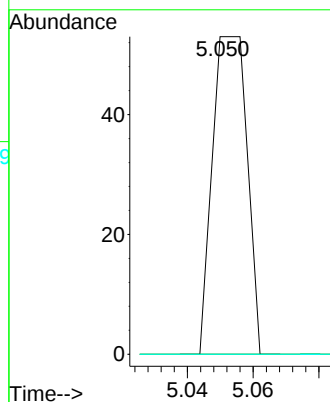
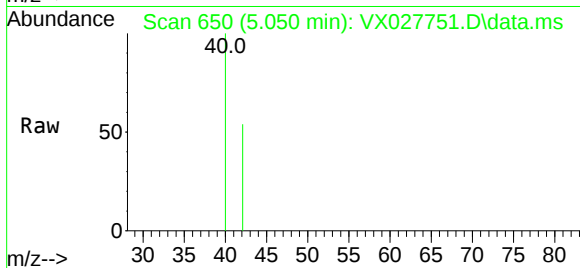
Tgt Ion: 42 Resp: 39

Ion Ratio Lower Upper

42 100

72 0.0 44.1 66.1#

71 0.0 40.5 60.7#



#31

Cyclohexane

Concen: 1.157 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX027751.D

Acq: 28 Mar 2022 15:30

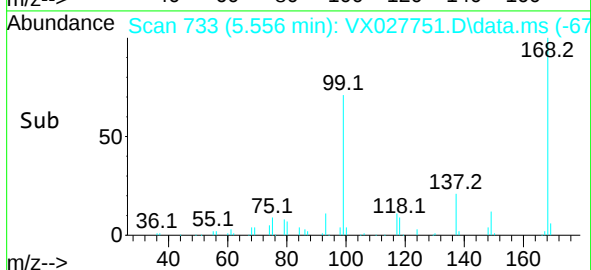
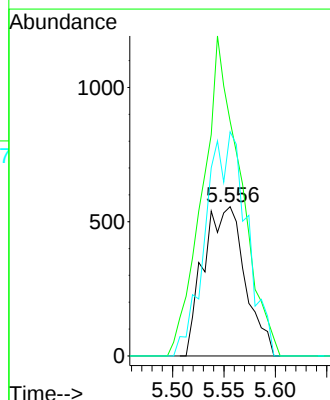
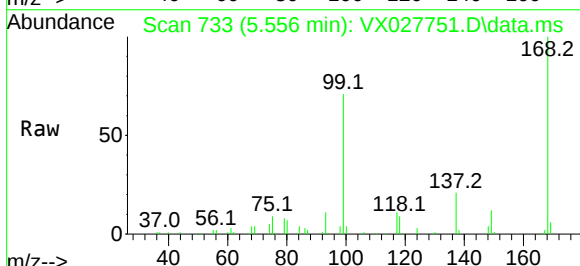
Tgt Ion: 56 Resp: 1565

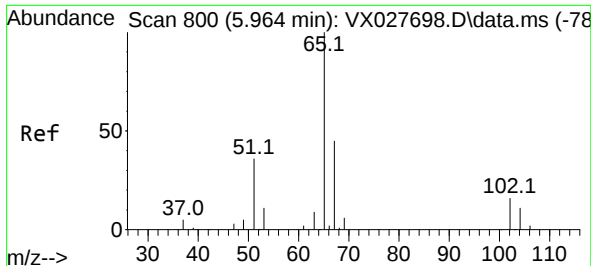
Ion Ratio Lower Upper

56 100

69 157.2 26.7 40.1#

84 150.2 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.021 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.012 min

Lab File: VX027751.D

Acq: 28 Mar 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

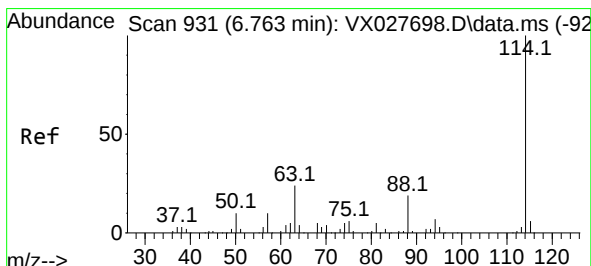
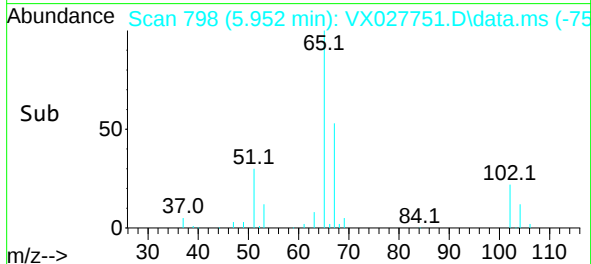
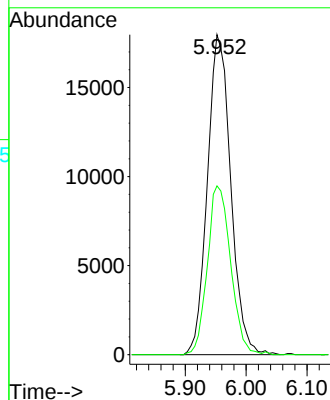
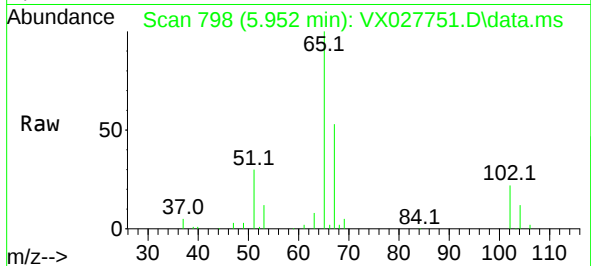
FRAC-TANK-A229DL

Tgt Ion: 65 Resp: 47971

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX027751.D

Acq: 28 Mar 2022 15:30

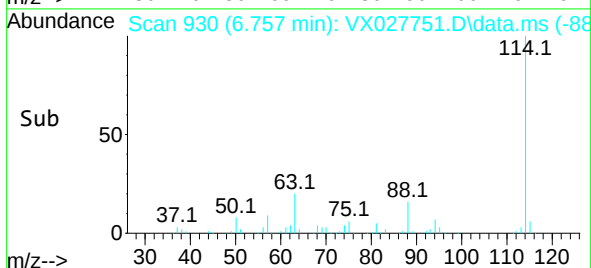
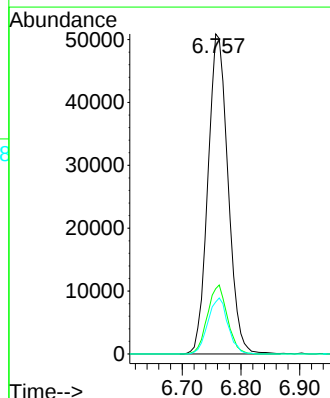
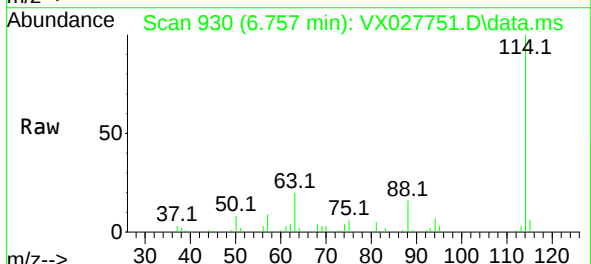
Tgt Ion: 114 Resp: 120806

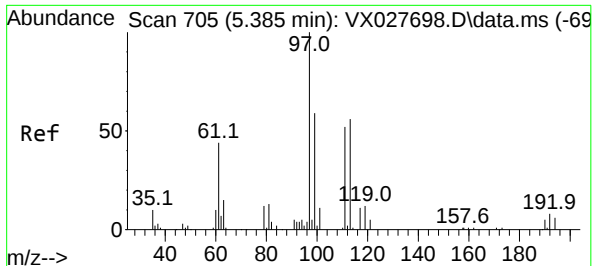
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.8

88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 48.935 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX027751.D

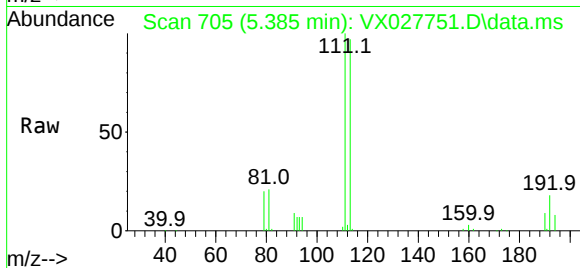
Acq: 28 Mar 2022 15:30

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MSVOA_X

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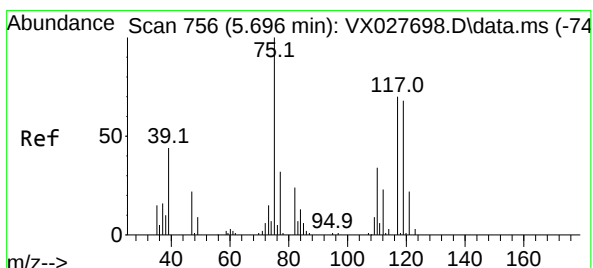
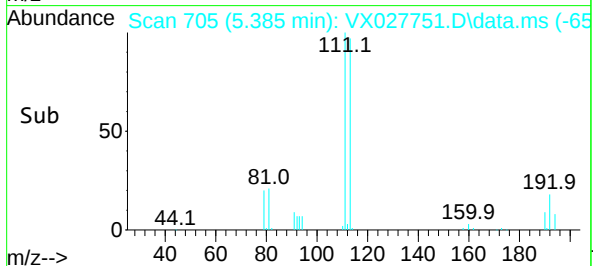
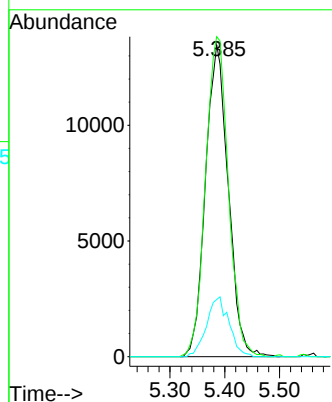
Tgt Ion:113 Resp: 38821

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 18.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.744 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027751.D

Acq: 28 Mar 2022 15:30

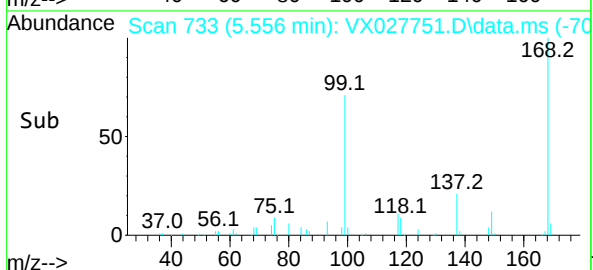
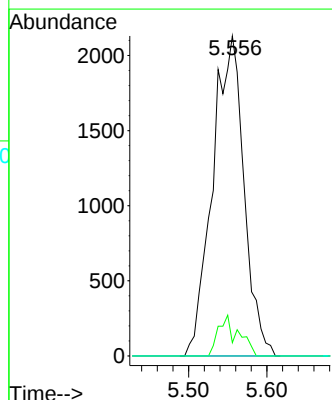
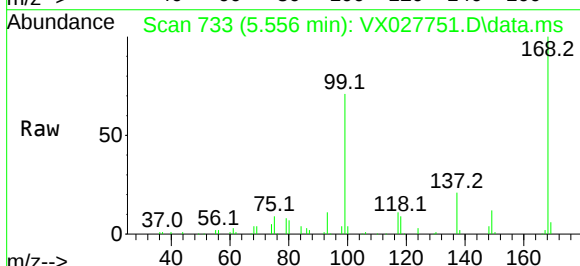
Tgt Ion: 75 Resp: 5944

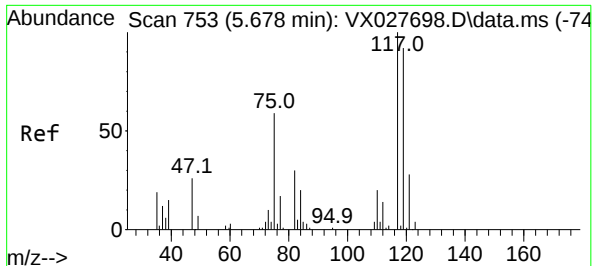
Ion Ratio Lower Upper

75 100

110 8.1 18.3 54.8#

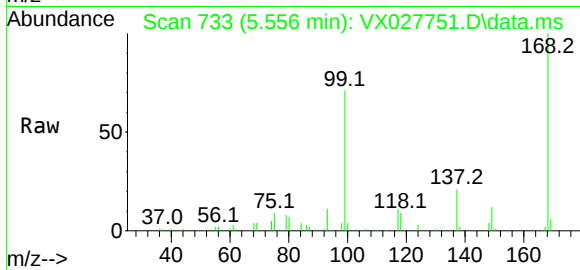
77 0.0 24.8 37.2#



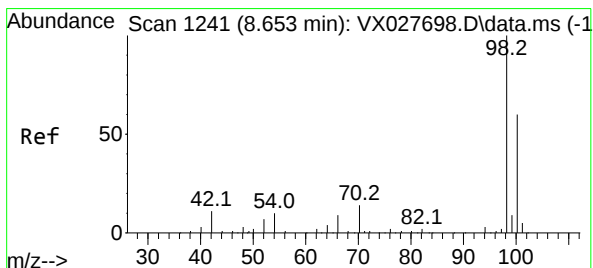
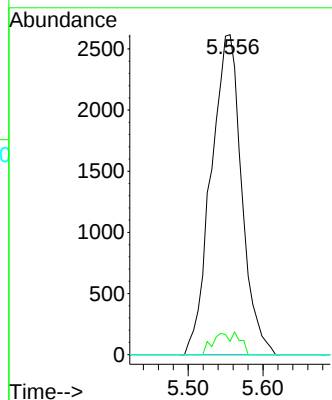
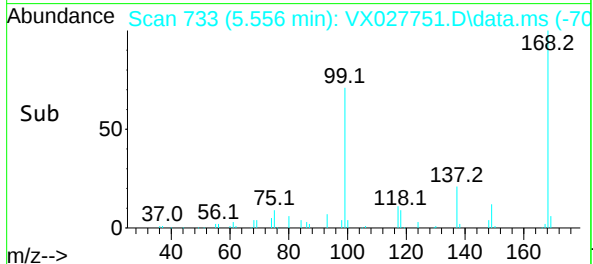


#38
Carbon Tetrachloride
Concen: 6.075 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A229DL

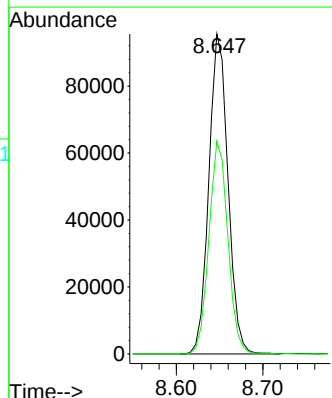
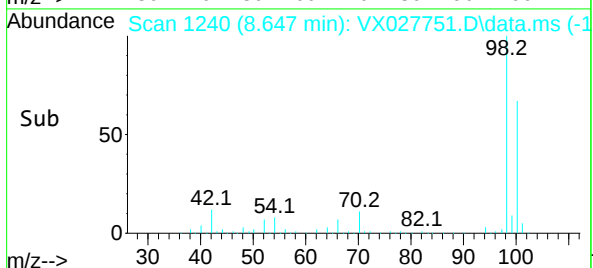
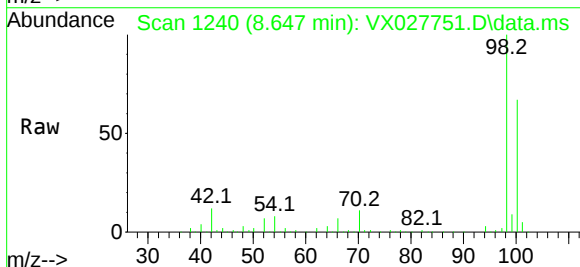


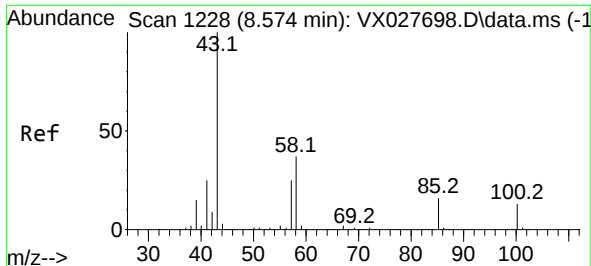
Tgt Ion:117 Resp: 7439
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.800 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

Tgt Ion: 98 Resp: 146589
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

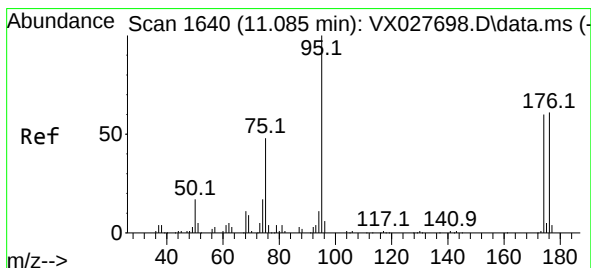
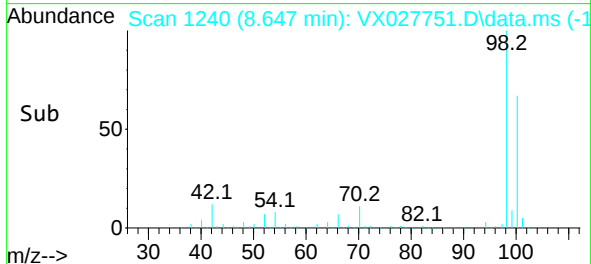
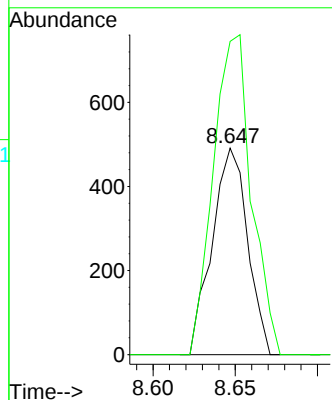
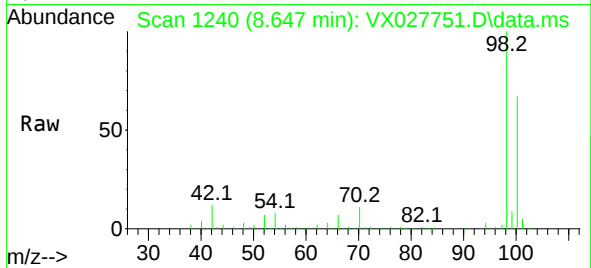




#51
4-Methyl-2-Pentanone
Concen: 0.486 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

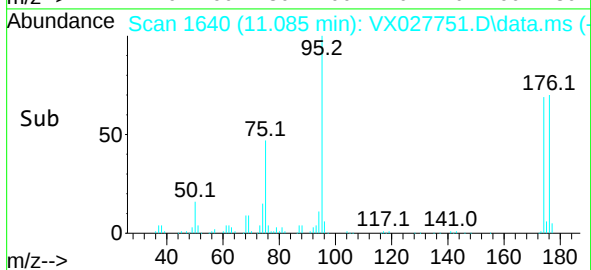
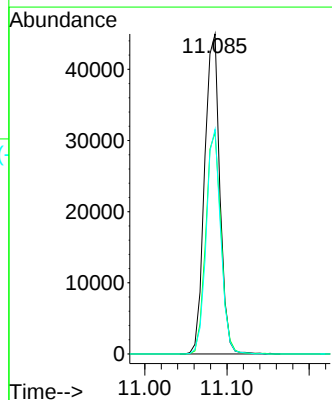
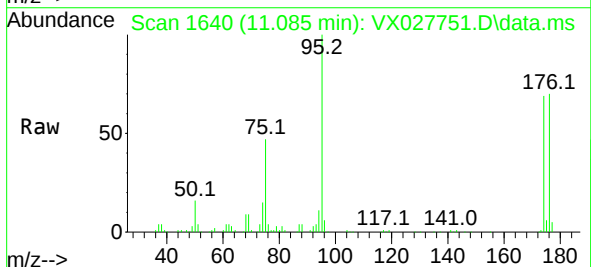
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A229DL

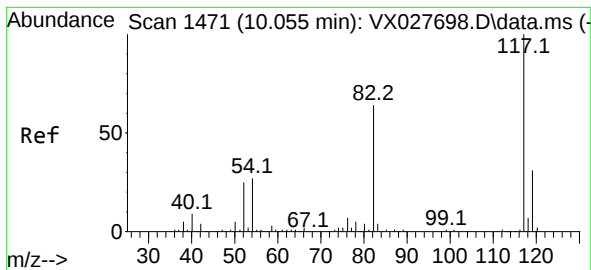
Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
58 167.1 36.1 54.1#



#62
4-Bromofluorobenzene
Concen: 46.332 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

Tgt Ion: 95 Resp: 57654
Ion Ratio Lower Upper
95 100
174 69.4 0.0 163.0
176 67.1 0.0 155.0

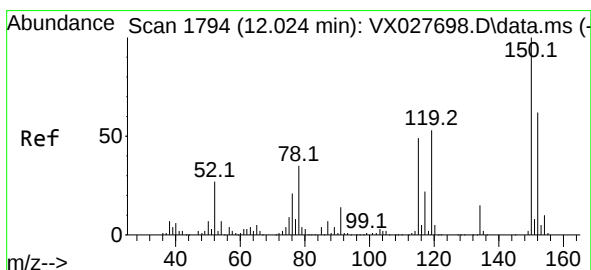
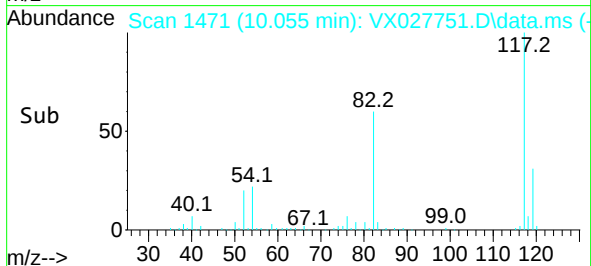
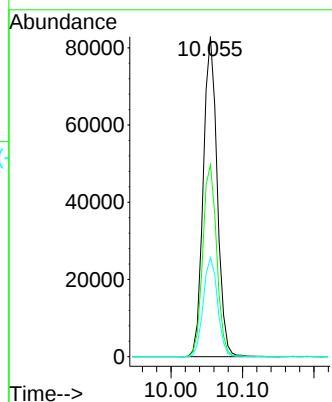
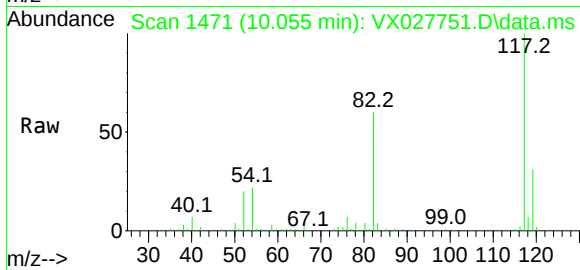




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

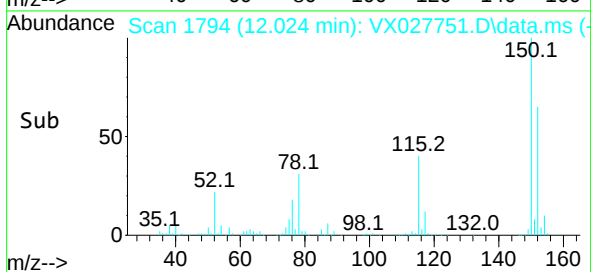
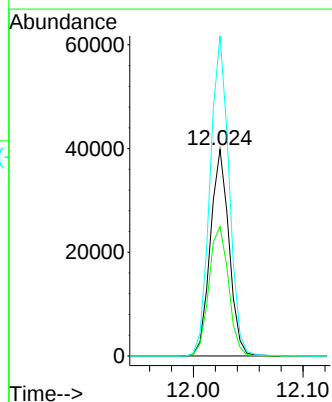
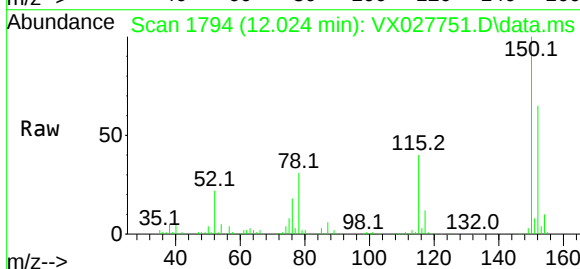
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A229DL

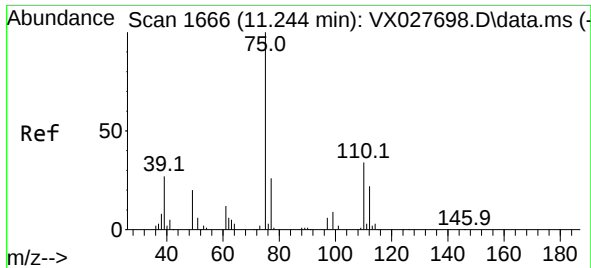
Tgt Ion:117 Resp: 111989
Ion Ratio Lower Upper
117 100
82 60.0 41.8 62.8
119 31.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

Tgt Ion:152 Resp: 47171
Ion Ratio Lower Upper
152 100
115 65.6 37.5 112.7
150 157.0 0.0 338.2

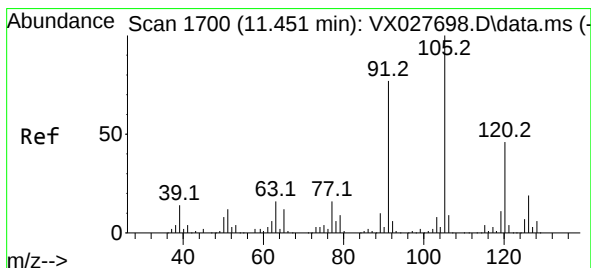
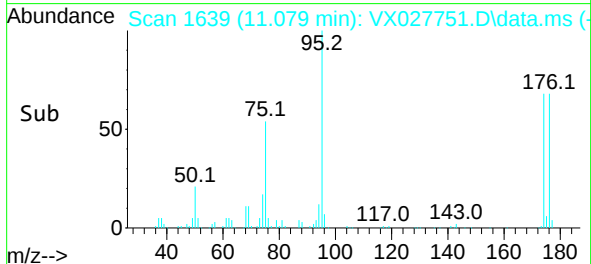
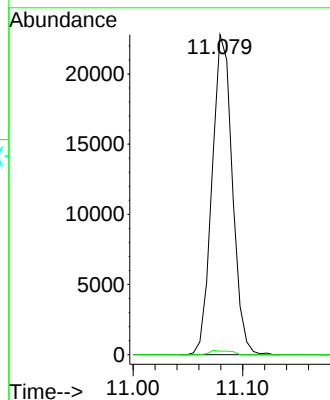
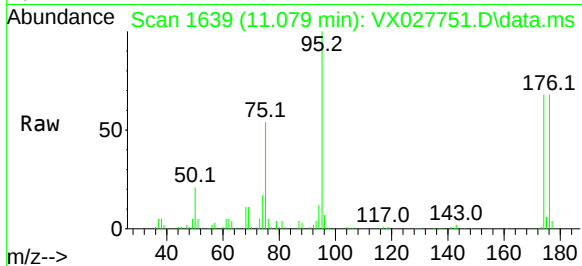




#76
1,2,3-Trichloropropane
Concen: 22.316 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.165 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

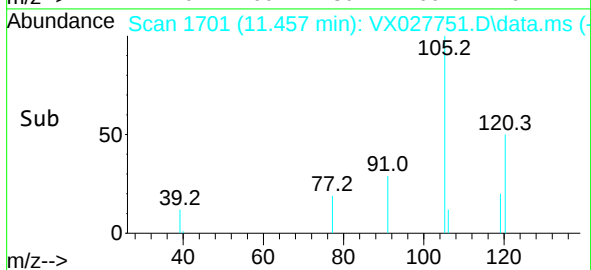
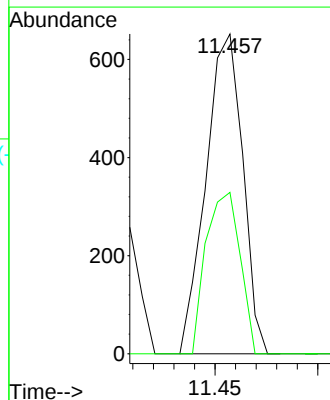
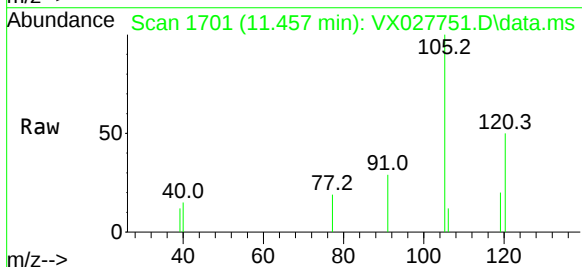
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A229DL

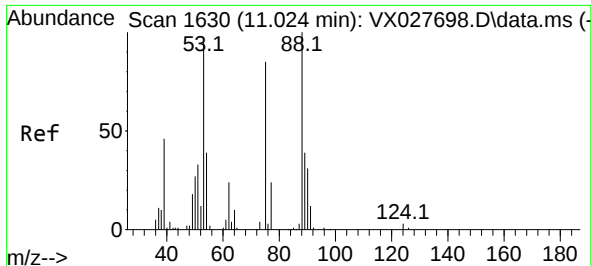
Tgt Ion: 75 Resp: 29309
Ion Ratio Lower Upper
75 100
77 1.4 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.244 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

Tgt Ion: 105 Resp: 813
Ion Ratio Lower Upper
105 100
120 46.5 24.3 72.9

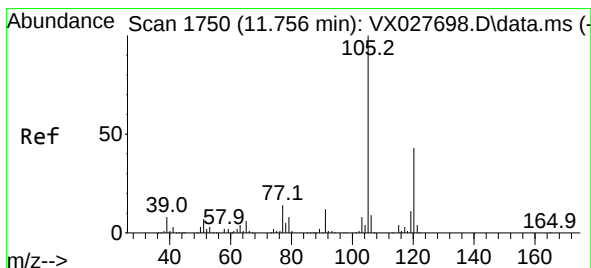
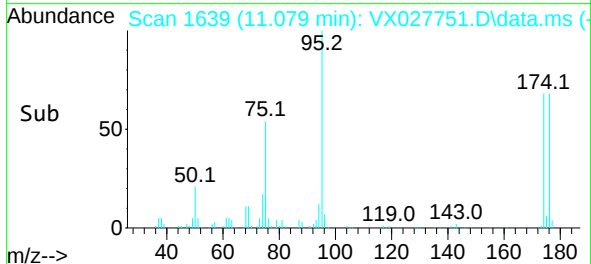
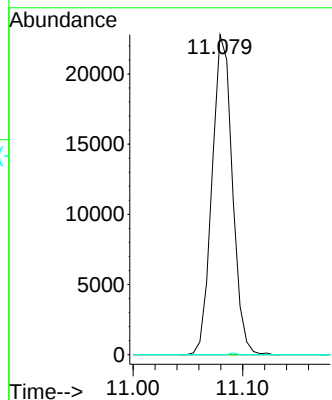
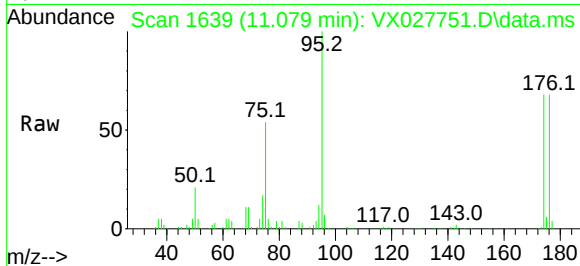




#81
trans-1,4-Dichloro-2-butene
Concen: 75.961 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

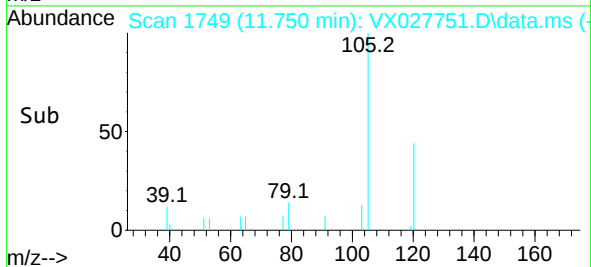
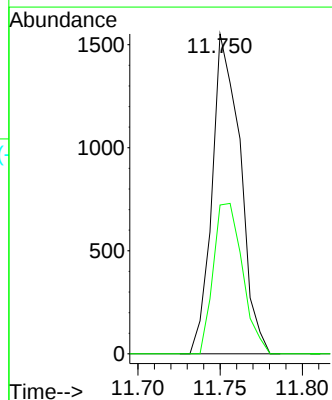
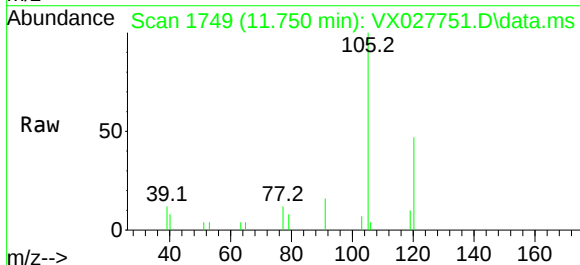
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A229DL

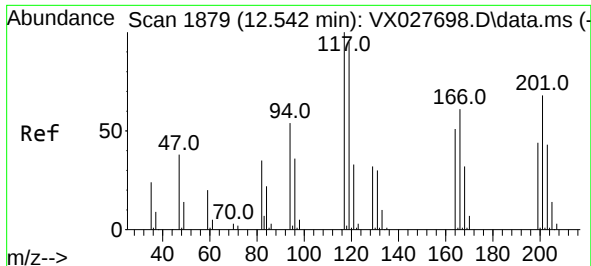
Tgt Ion: 75 Resp: 29309
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.2 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.545 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

Tgt Ion: 105 Resp: 1843
Ion Ratio Lower Upper
105 100
120 48.8 22.6 67.8

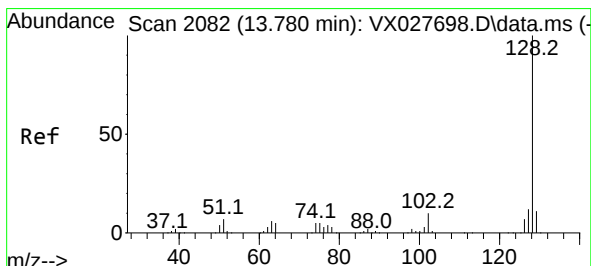
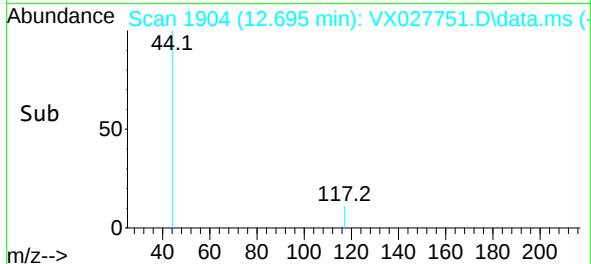
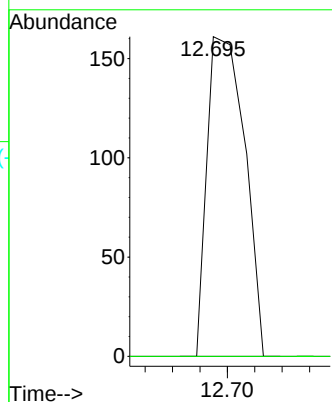
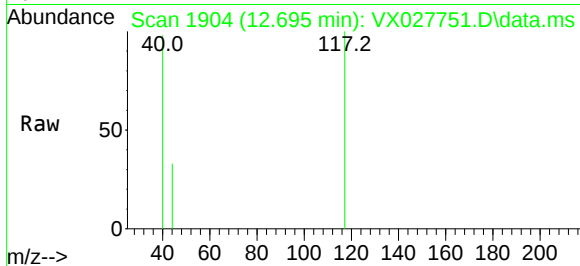




#90
Hexachloroethane
Concen: 0.306 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.153 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A229DL

Tgt Ion:117 Resp: 154
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#



#95
Naphthalene
Concen: 0.913 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX027751.D
Acq: 28 Mar 2022 15:30

Tgt Ion:128 Resp: 3067
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.4
129 11.0 8.7 13.1

