

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083022\
 Data File : VX030956.D
 Acq On : 30 Aug 2022 22:05
 Operator : JC/MD
 Sample : N4281-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20220818

Quant Time: Sep 06 01:19:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

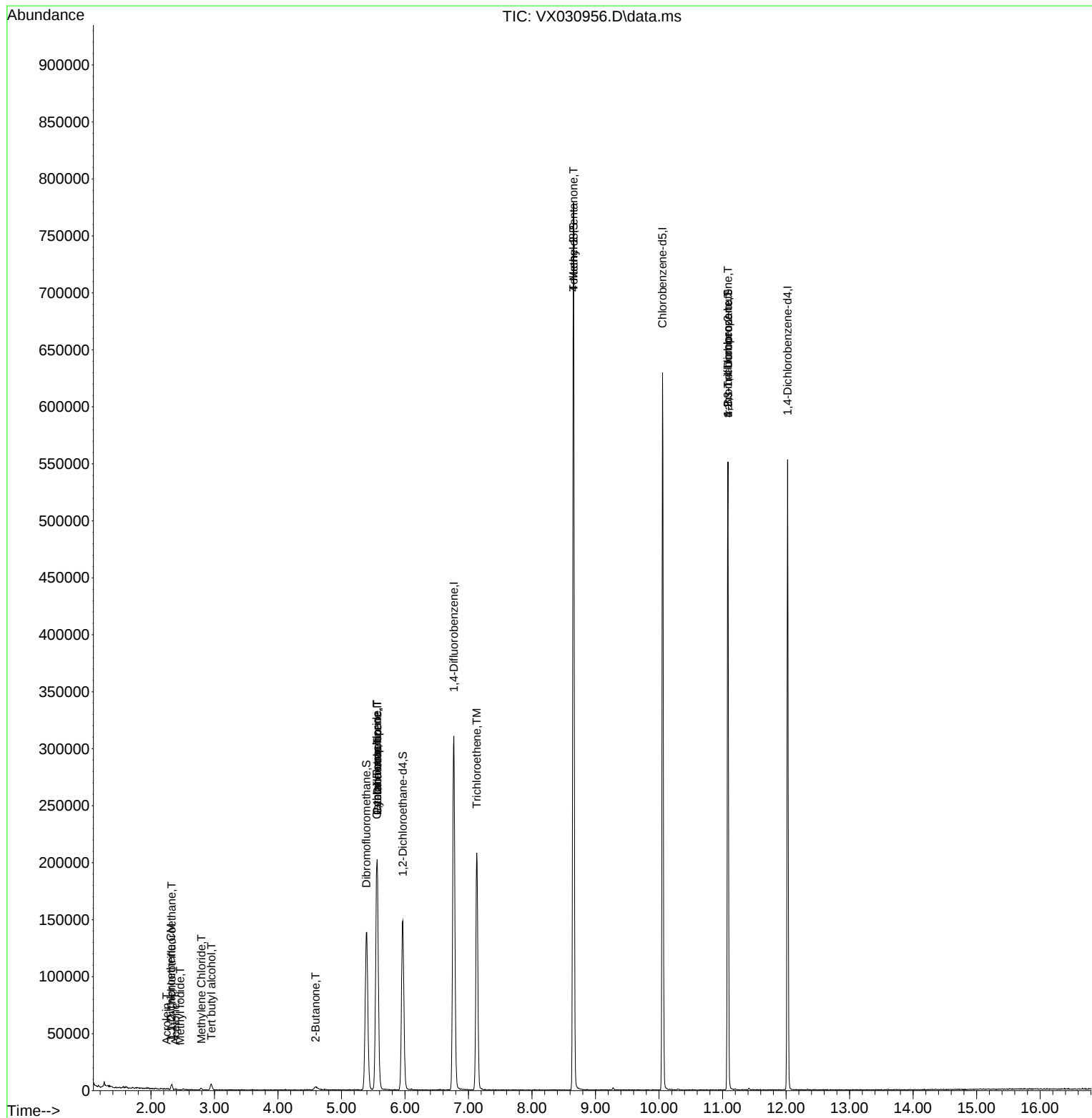
Internal Standards						
1) Pentafluorobenzene	5.562	168	199641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	333217	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	297964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	141467	49.405	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.800%
35) Dibromofluoromethane	5.391	113	127108	51.748	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.500%
50) Toluene-d8	8.653	98	470529	51.726	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.460%
62) 4-Bromofluorobenzene	11.085	95	151754	46.847	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.700%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	374	Below Cal	#	62
9) 1,1,2-Trichlorotrifluo...	2.325	101	1600	0.651	ug/l	98
10) Methyl Iodide	2.459	142	128	4.428	ug/l #	72
11) Tert butyl alcohol	2.953	59	3003	4.427	ug/l #	74
12) 1,1-Dichloroethene	2.313	96	566	0.233	ug/l #	72
13) Acrolein	2.246	56	34	7.370	ug/l #	14
16) Acetone	2.386	43	598	0.463	ug/l #	40
20) Methylene Chloride	2.794	84	685	0.233	ug/l #	77
25) 2-Butanone	4.593	43	435	0.208	ug/l #	48
31) Cyclohexane	5.562	56	3553	0.838	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	15507	4.248	ug/l #	48
38) Carbon Tetrachloride	5.556	117	20114	5.787	ug/l #	18
44) Trichloroethene	7.129	130	85963	27.731	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	1734	0.441	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	71509	24.724	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	71509	73.507	ug/l #	12

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

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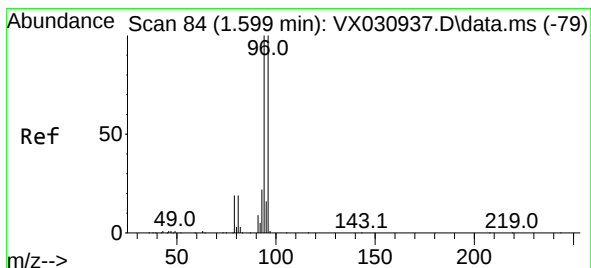
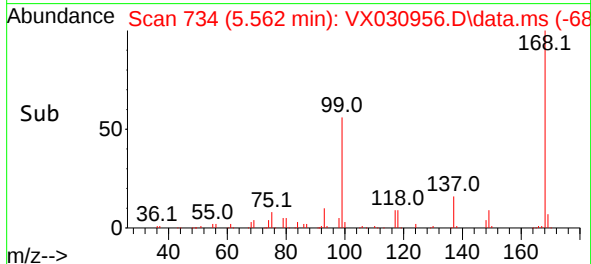
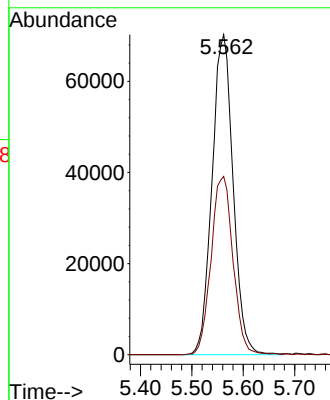
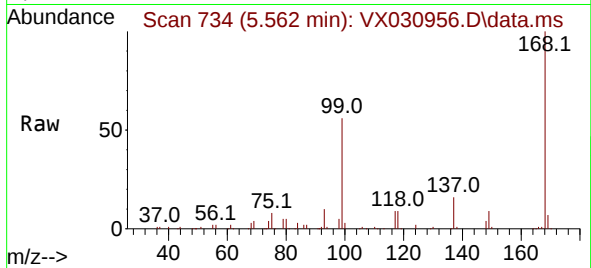




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

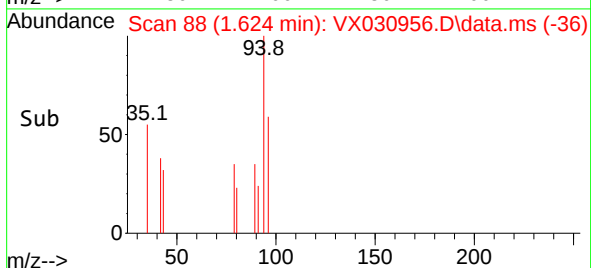
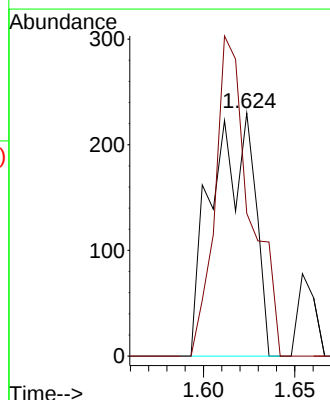
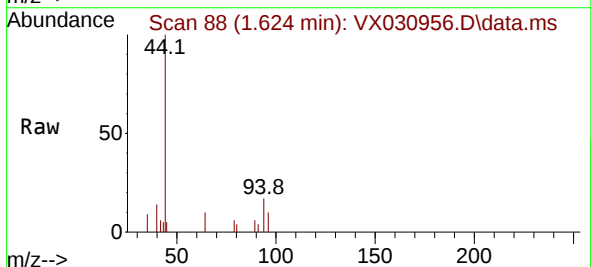
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20220818

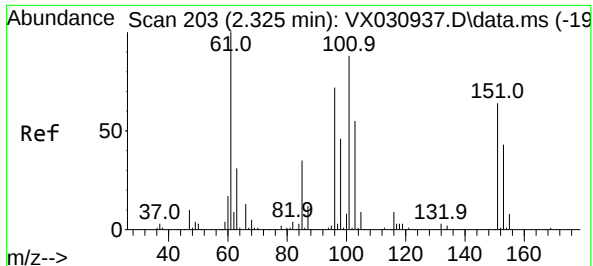
Tgt Ion:168 Resp: 199641
Ion Ratio Lower Upper
168 100
99 55.7 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.019 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

Tgt Ion: 94 Resp: 374
Ion Ratio Lower Upper
94 100
96 58.7 76.9 115.3#

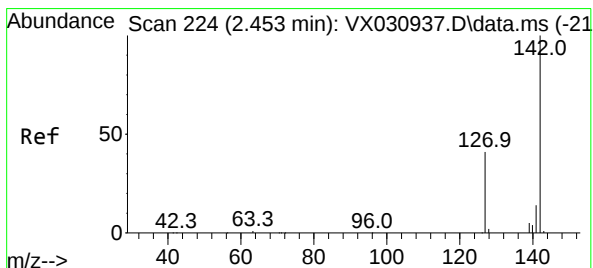
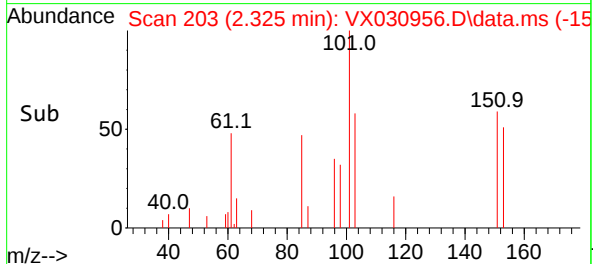
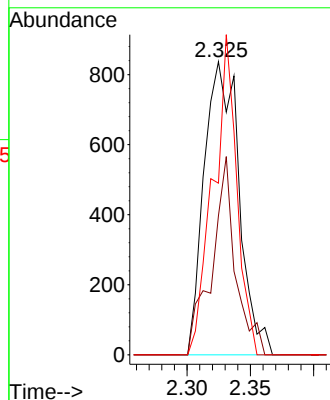
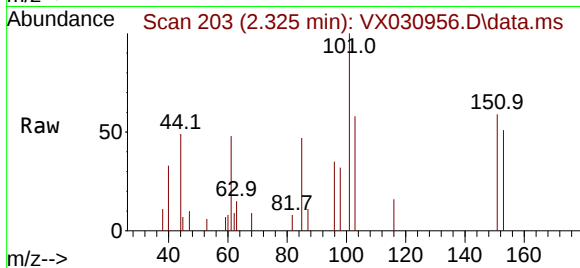




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.651 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

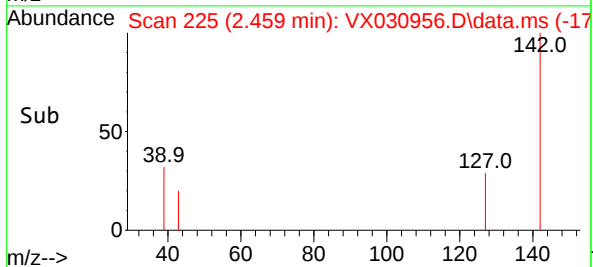
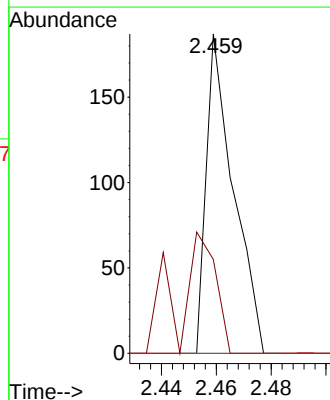
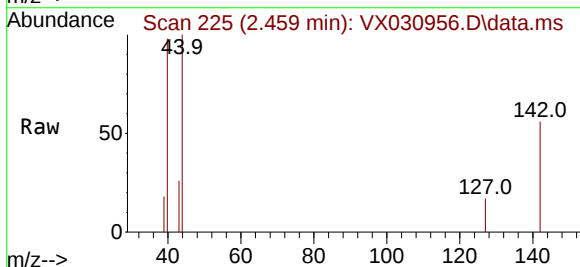
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20220818

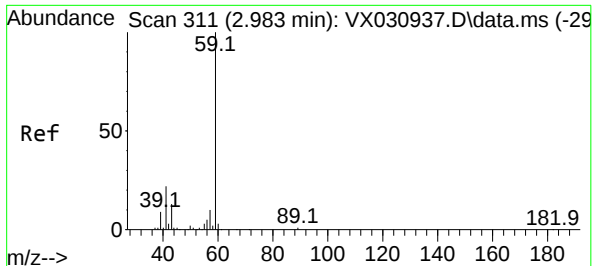
Tgt Ion:	101	Resp:	1600
Ion	Ratio	Lower	Upper
101	100		
85	46.1	34.0	51.0
151	74.3	59.4	89.0



#10
Methyl Iodide
Concen: 4.428 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

Tgt Ion:	142	Resp:	128
Ion	Ratio	Lower	Upper
142	100		
127	53.1	30.2	45.2#
141	0.0	11.3	16.9#





#11

Tert butyl alcohol

Concen: 4.427 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.036 min

Lab File: VX030956.D

Acq: 30 Aug 2022 22:05

Instrument :

MSVOA_X

ClientSampleId :

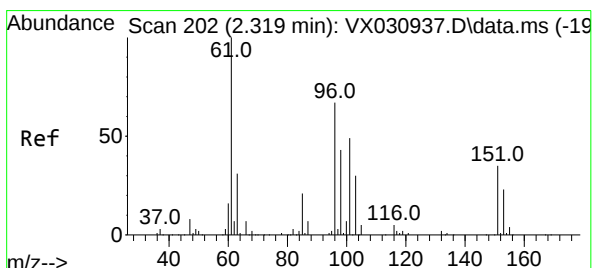
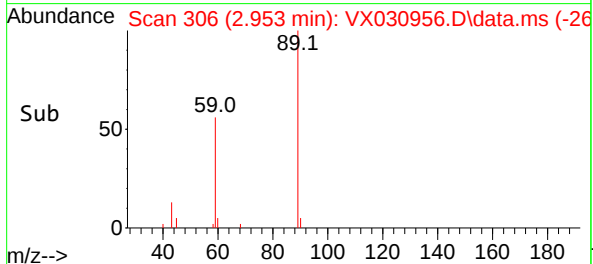
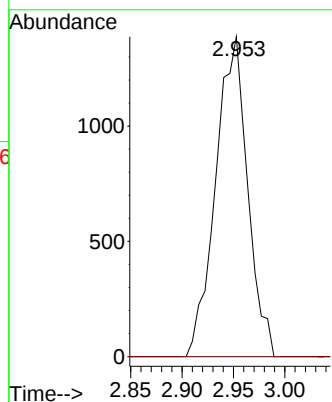
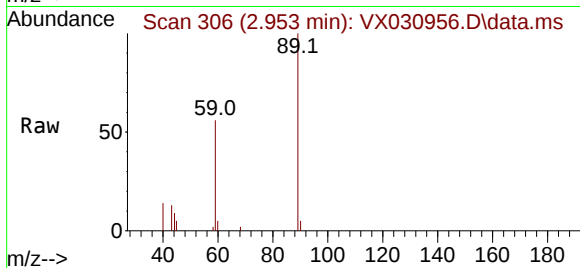
RE132D6-20220818

Tgt Ion: 59 Resp: 3003

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 0.233 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.006 min

Lab File: VX030956.D

Acq: 30 Aug 2022 22:05

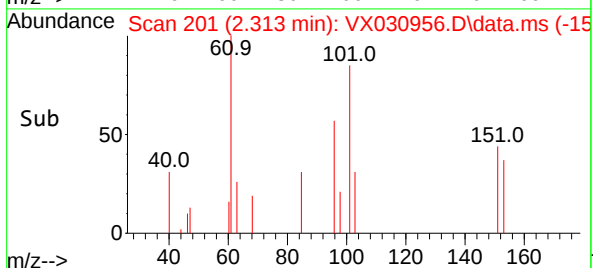
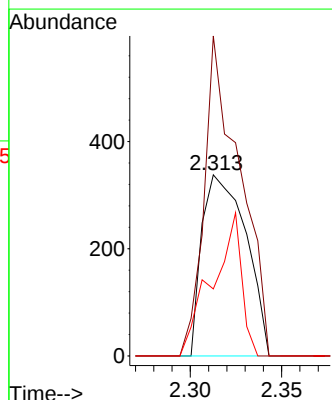
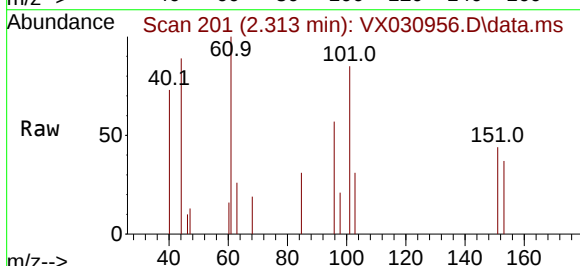
Tgt Ion: 96 Resp: 566

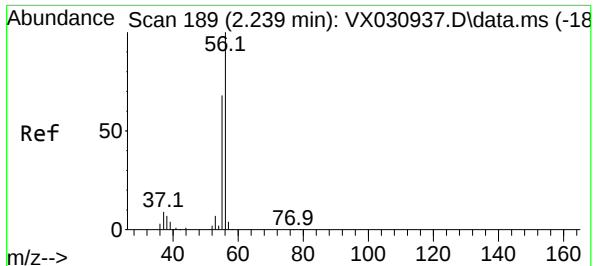
Ion Ratio Lower Upper

96 100

61 176.6 117.4 176.0#

98 37.0 52.2 78.4#

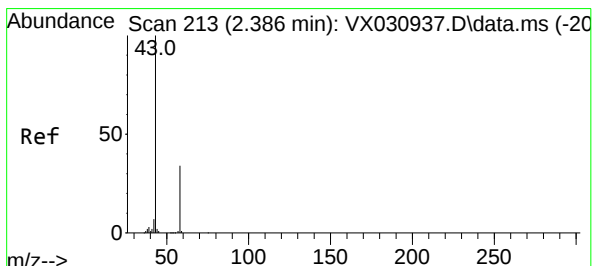
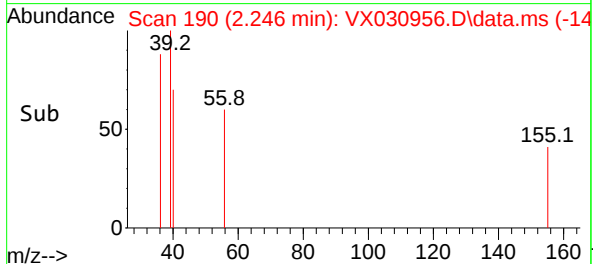
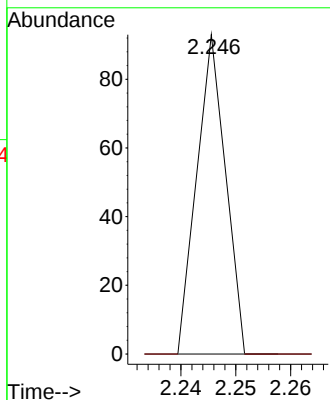
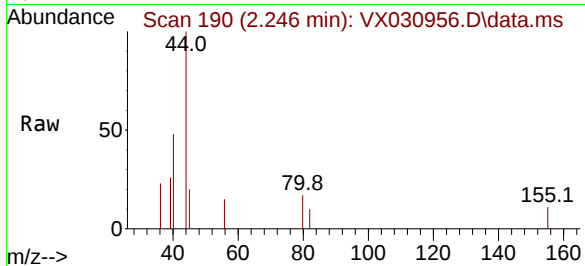




#13
Acrolein
Concen: 7.370 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.007 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

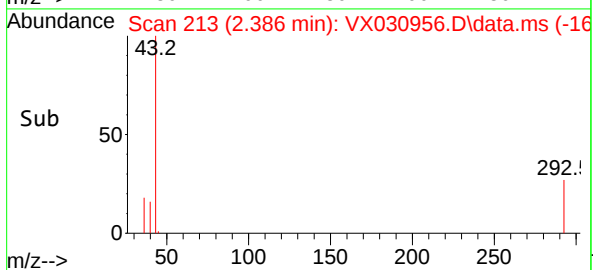
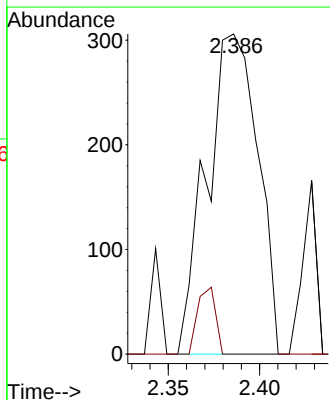
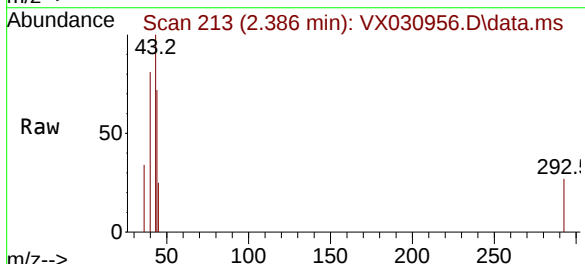
Instrument :
MSVOA_X
ClientSampleId :
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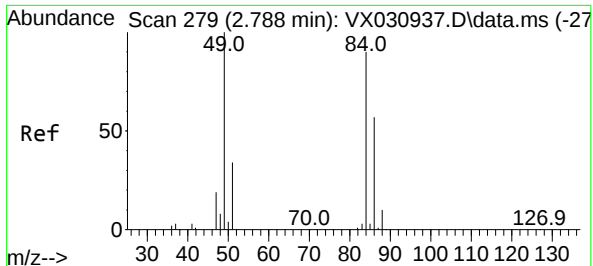
Tgt Ion: 56 Resp: 34
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 0.463 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

Tgt Ion: 43 Resp: 598
Ion Ratio Lower Upper
43 100
58 0.0 27.7 41.5#





#20

Methylene Chloride

Concen: 0.233 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX030956.D

Acq: 30 Aug 2022 22:05

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20220818

Tgt Ion: 84 Resp: 685

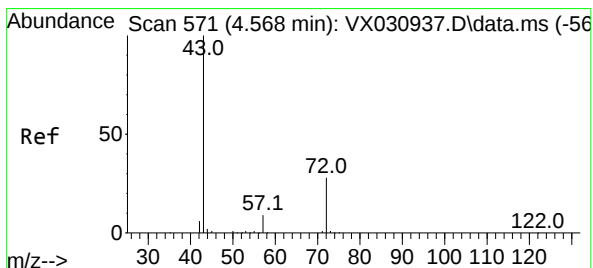
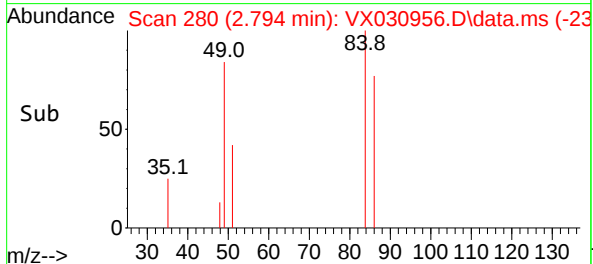
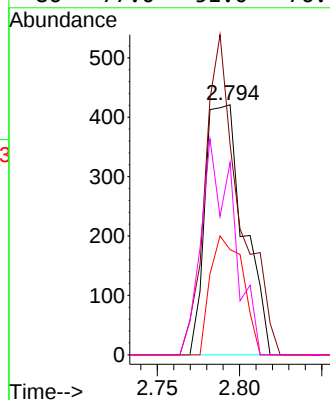
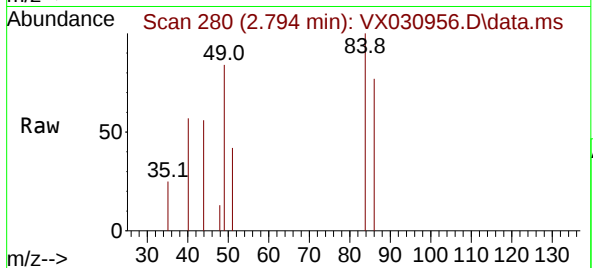
Ion Ratio Lower Upper

84 100

49 84.1 93.8 140.6#

51 42.0 29.4 44.0

86 77.0 51.0 76.4#



#25

2-Butanone

Concen: 0.208 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.025 min

Lab File: VX030956.D

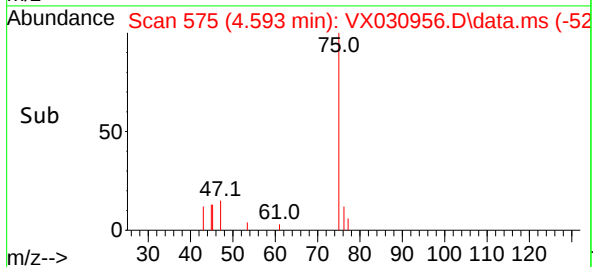
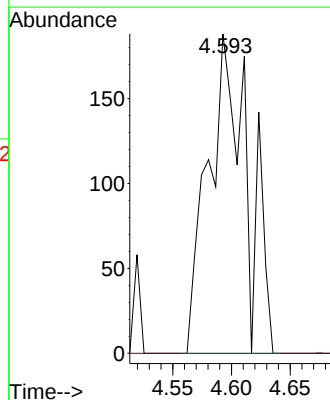
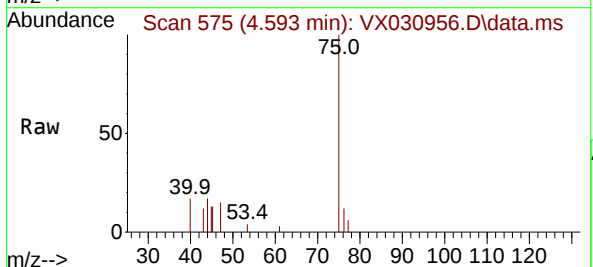
Acq: 30 Aug 2022 22:05

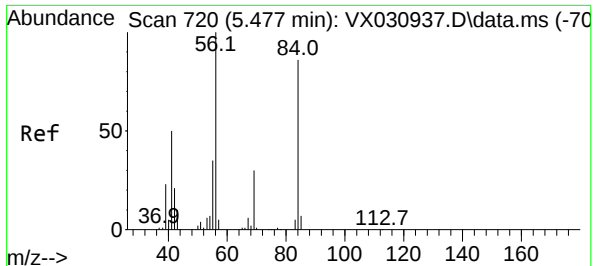
Tgt Ion: 43 Resp: 435

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#

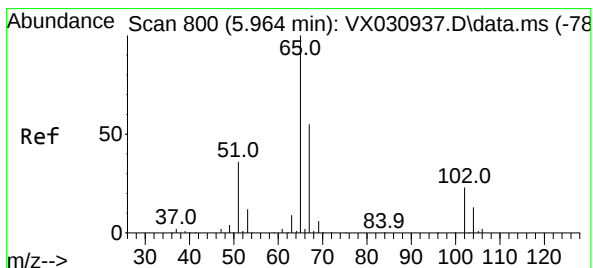
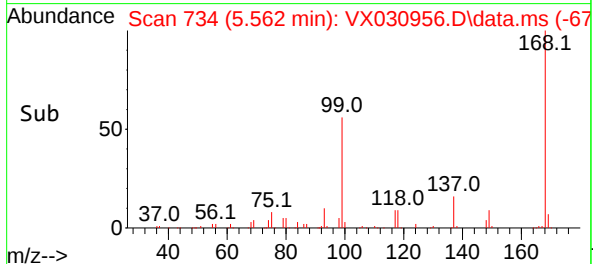
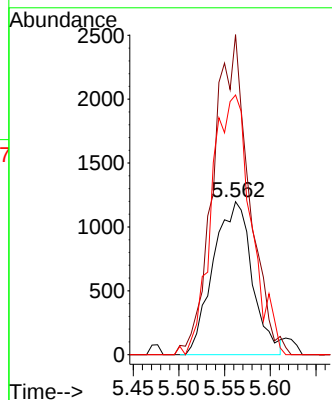
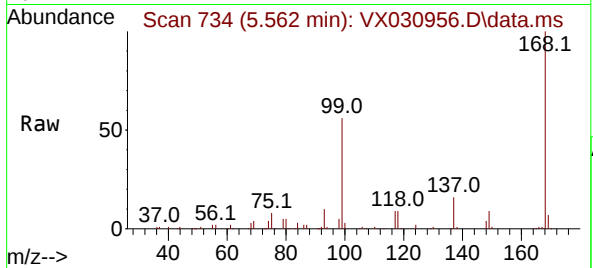




#31
Cyclohexane
Concen: 0.838 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

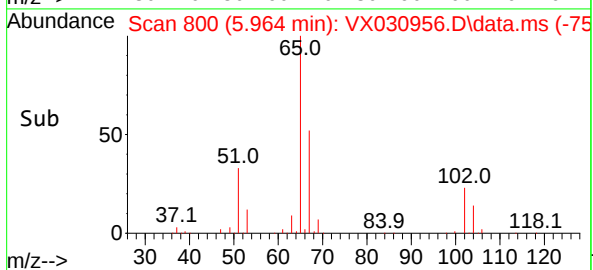
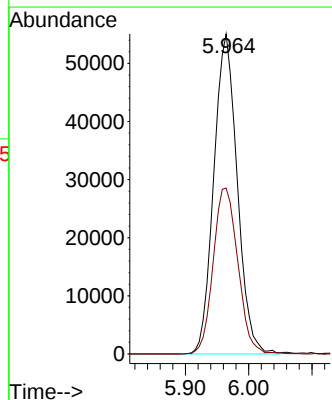
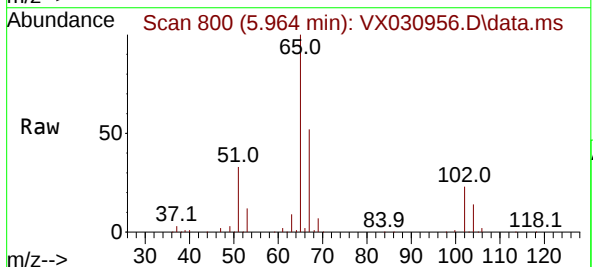
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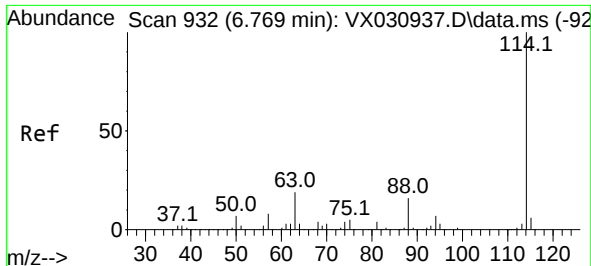
Tgt Ion: 56 Resp: 3553
Ion Ratio Lower Upper
56 100
69 203.0 25.4 38.0#
84 165.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 49.405 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

Tgt Ion: 65 Resp: 141467
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.6

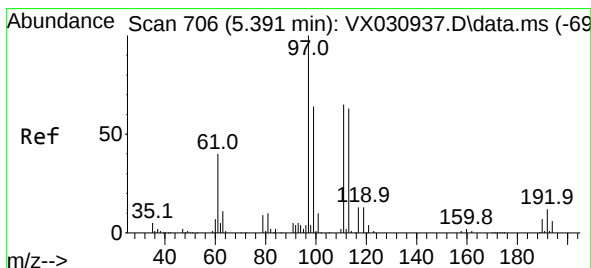
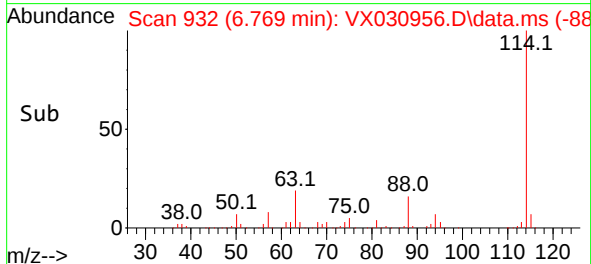
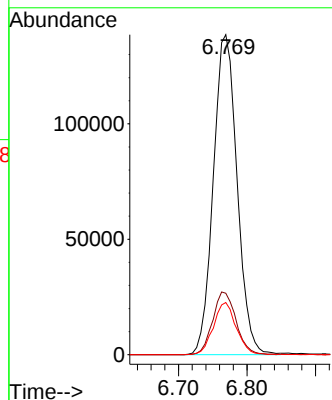
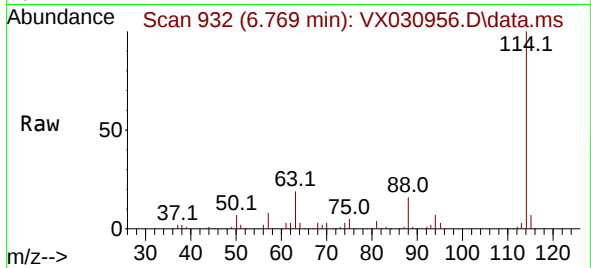




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

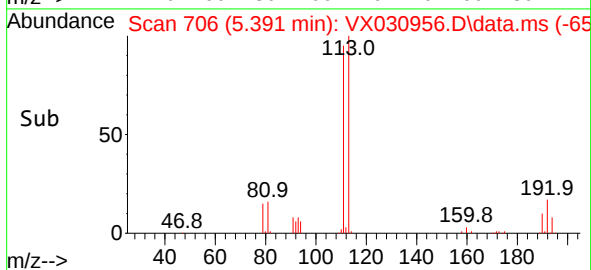
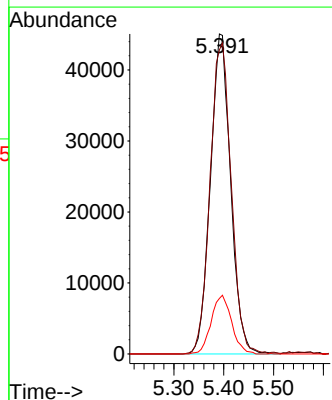
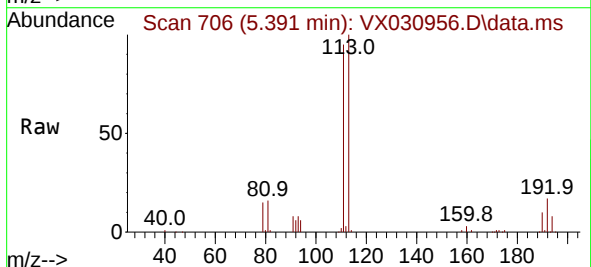
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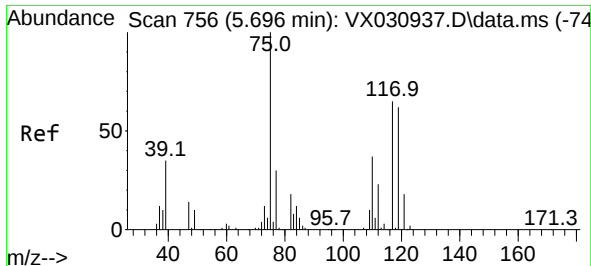
Tgt Ion:114 Resp: 333217
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.4
88 16.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.748 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

Tgt Ion:113 Resp: 127108
Ion Ratio Lower Upper
113 100
111 101.5 83.2 124.8
192 18.5 14.8 22.2

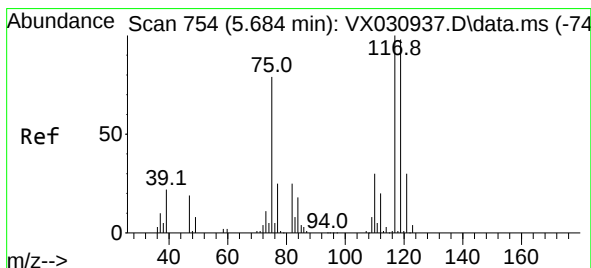
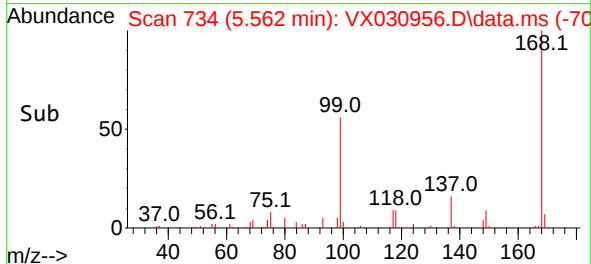
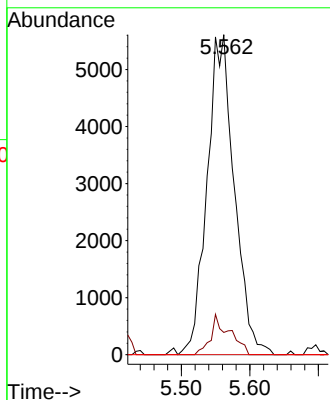
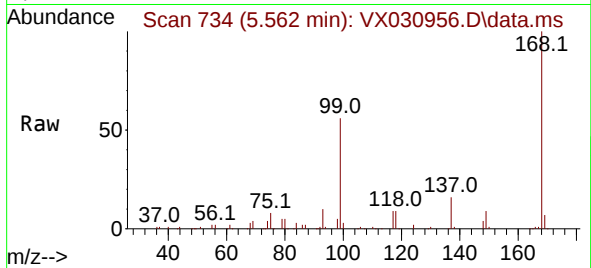




#36
1,1-Dichloropropene
Concen: 4.248 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

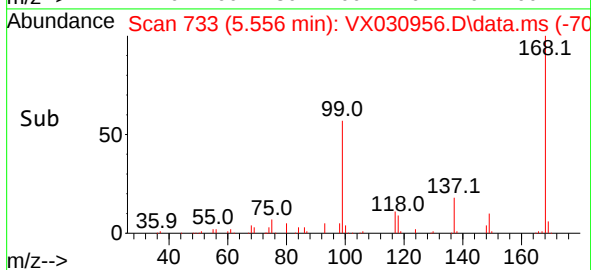
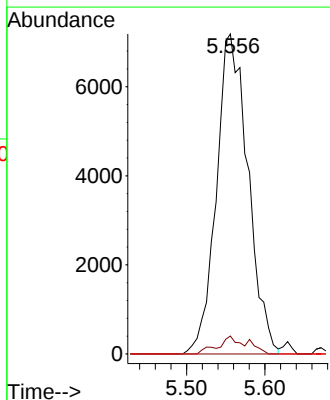
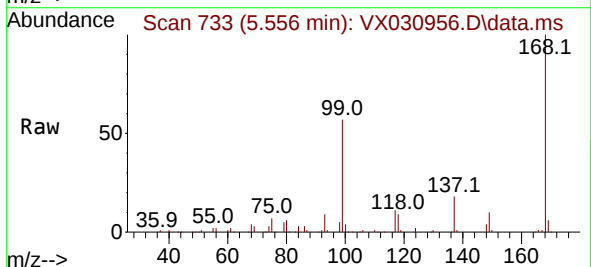
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20220818

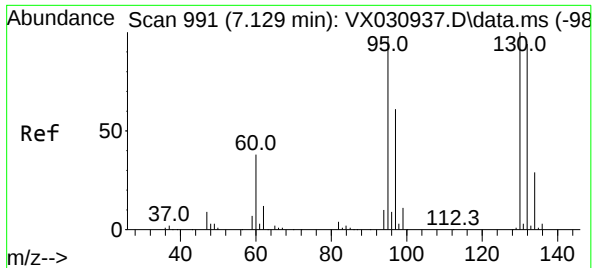
Tgt Ion: 75 Resp: 15507
Ion Ratio Lower Upper
75 100
110 8.7 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.787 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

Tgt Ion: 117 Resp: 20114
Ion Ratio Lower Upper
117 100
119 5.6 74.1 111.1#
121 0.0 25.8 38.8#

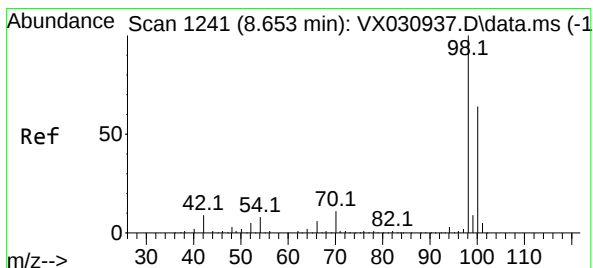
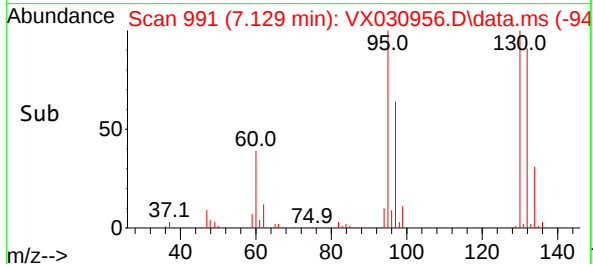
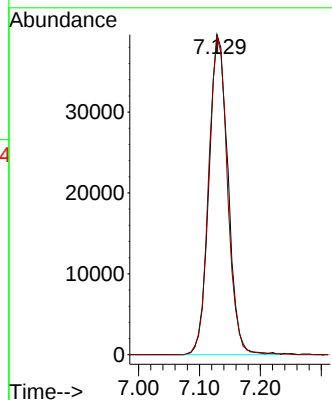
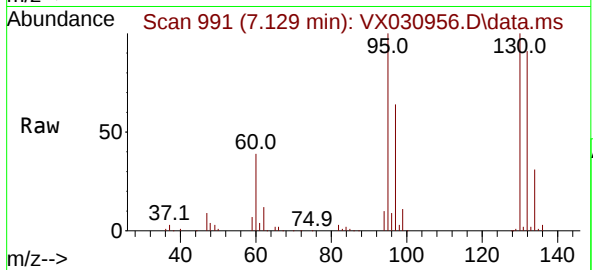




#44
Trichloroethene
Concen: 27.731 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

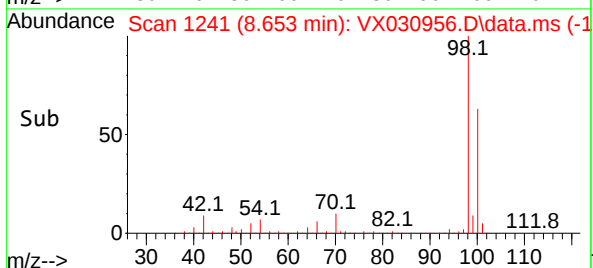
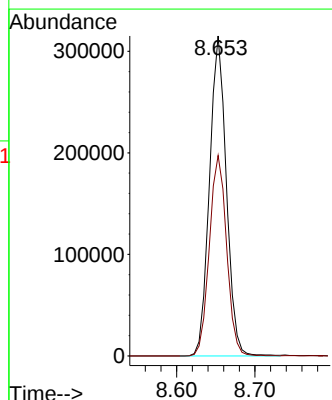
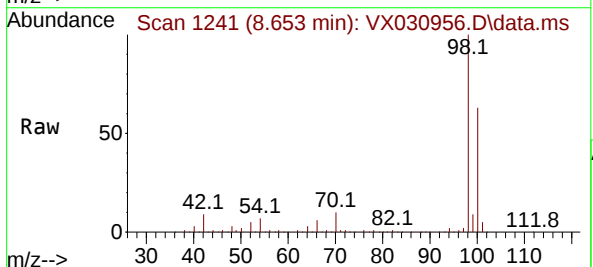
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20220818

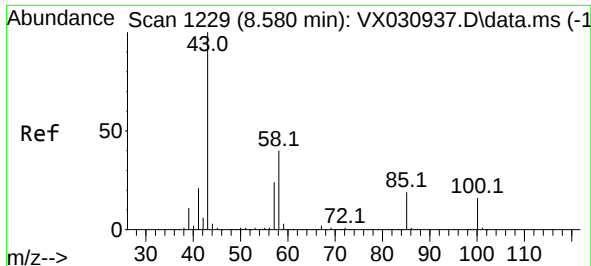
Tgt Ion:130 Resp: 85963
Ion Ratio Lower Upper
130 100
95 99.6 0.0 194.8



#50
Toluene-d8
Concen: 51.726 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

Tgt Ion: 98 Resp: 470529
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5

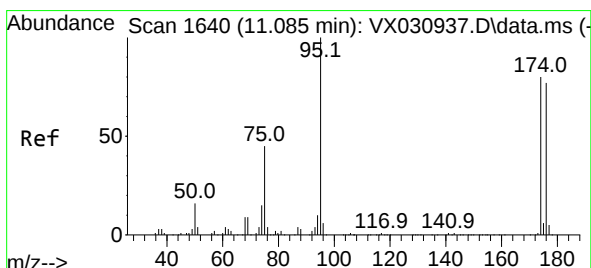
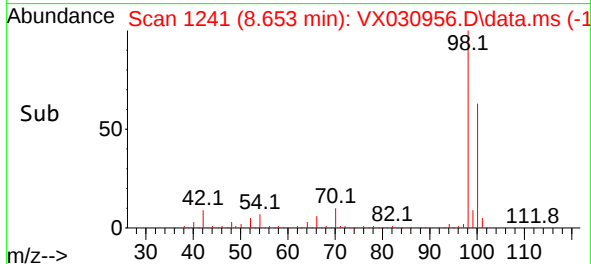
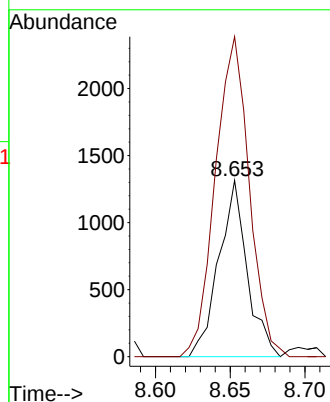
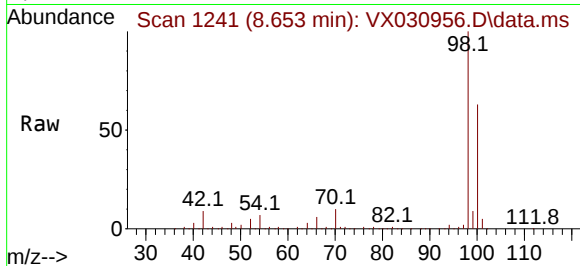




#51
4-Methyl-2-Pentanone
Concen: 0.441 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

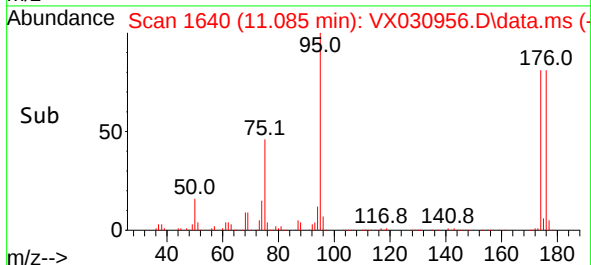
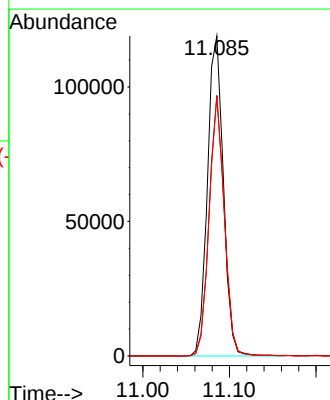
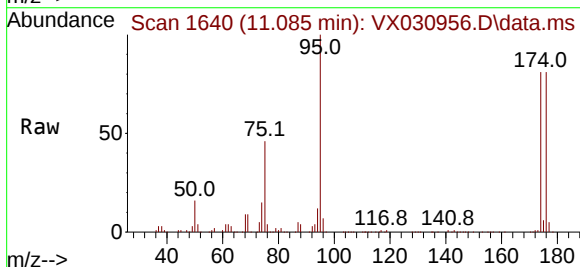
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20220818

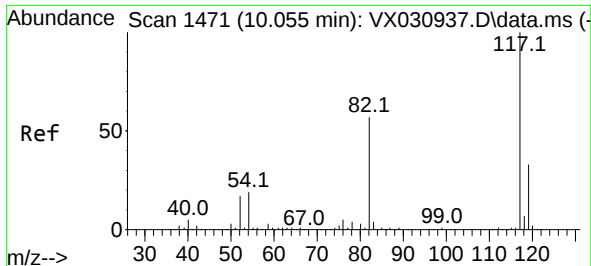
Tgt Ion: 43 Resp: 1734
Ion Ratio Lower Upper
43 100
58 216.7 31.4 47.2#



#62
4-Bromofluorobenzene
Concen: 46.847 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

Tgt Ion: 95 Resp: 151754
Ion Ratio Lower Upper
95 100
174 77.8 0.0 149.0
176 77.5 0.0 146.0

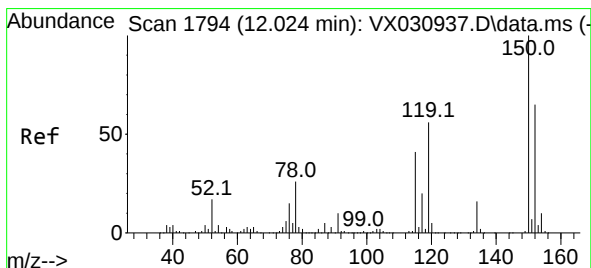
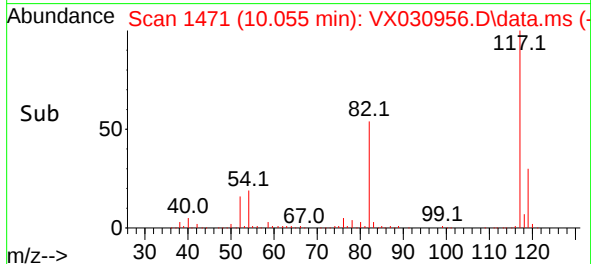
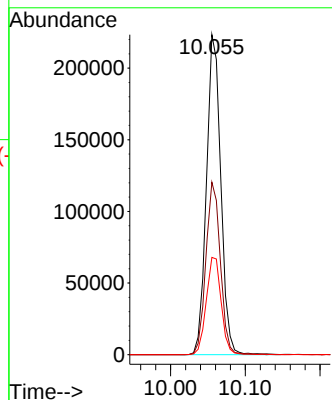
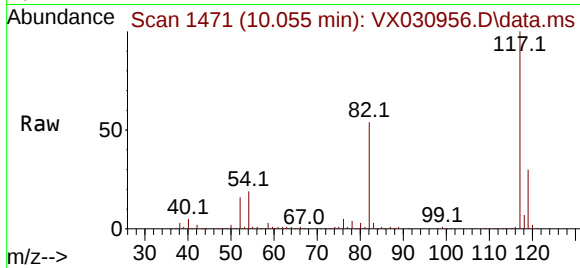




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

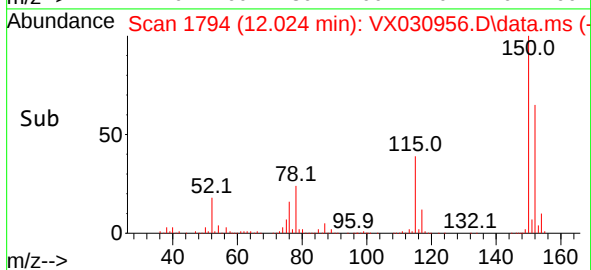
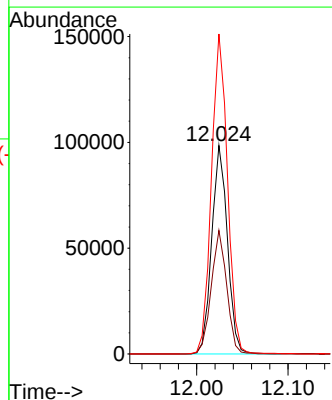
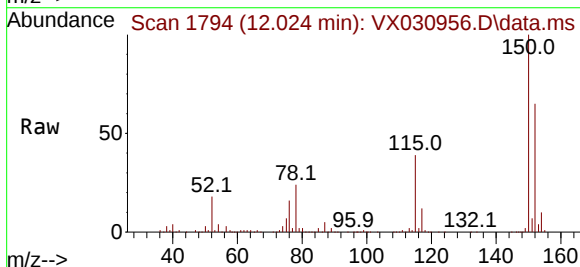
Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20220818

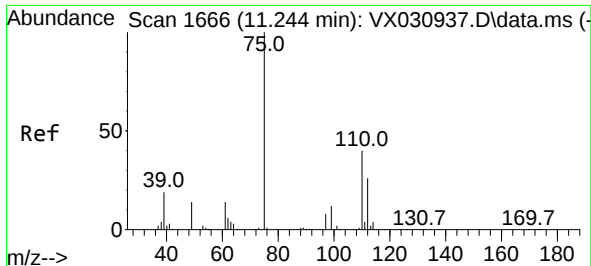
Tgt Ion:117 Resp: 297964
Ion Ratio Lower Upper
117 100
82 53.9 42.7 64.1
119 30.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

Tgt Ion:152 Resp: 117484
Ion Ratio Lower Upper
152 100
115 58.4 40.5 121.5
150 156.4 0.0 347.0

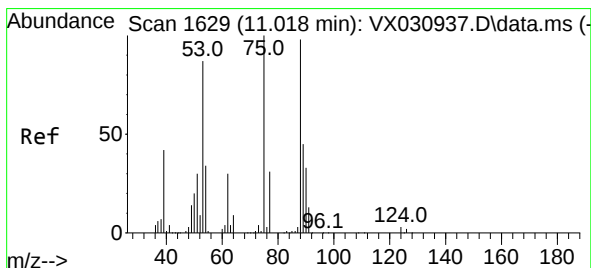
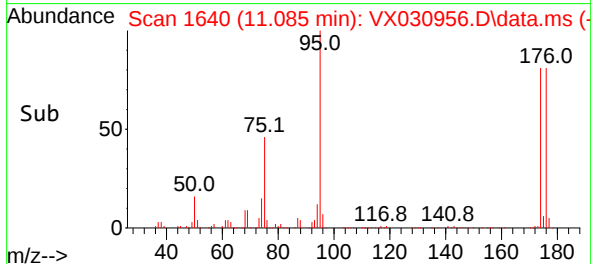
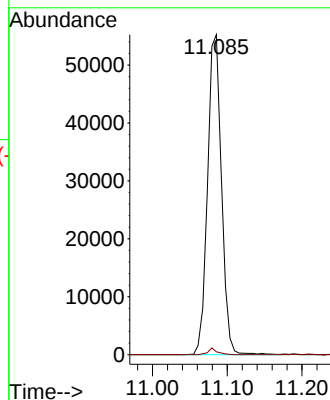
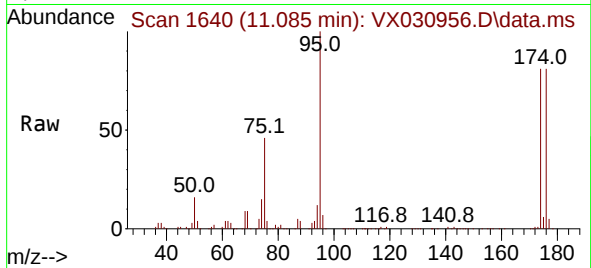




#76
1,2,3-Trichloropropane
Concen: 24.724 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20220818

Tgt Ion: 75 Resp: 71509
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.507 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030956.D
Acq: 30 Aug 2022 22:05

Tgt Ion: 75 Resp: 71509
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

