

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071522\
 Data File : VX030095.D
 Acq On : 15 Jul 2022 16:37
 Operator : JC/MD
 Sample : N3711-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1-4-TOTES-COMP

Quant Time: Jul 16 06:03:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

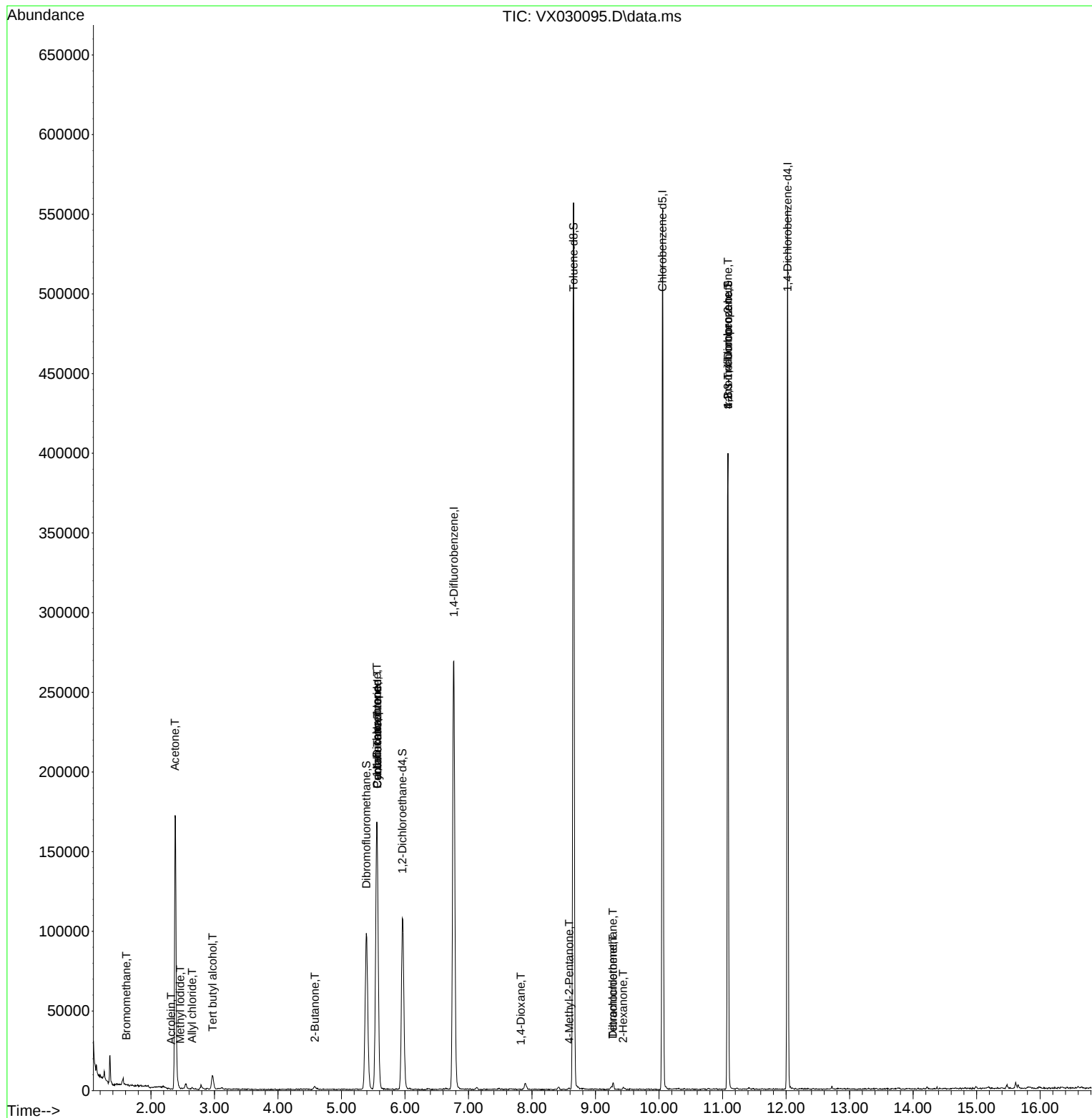
Internal Standards						
1) Pentafluorobenzene	5.562	168	161369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	288103	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99272	50.542	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.080%
35) Dibromofluoromethane	5.391	113	86900	47.215	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.440%
50) Toluene-d8	8.653	98	334326	48.299	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.600%
62) 4-Bromofluorobenzene	11.085	95	111187	46.286	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.580%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	229	0.289	ug/l	99
10) Methyl Iodide	2.459	142	131	2.485	ug/l #	45
11) Tert butyl alcohol	2.971	59	9323	18.391	ug/l #	89
13) Acrolein	2.319	56	48	0.475	ug/l #	14
14) Allyl chloride	2.648	41	1078	0.375	ug/l #	47
16) Acetone	2.380	43	179301	193.730	ug/l	100
17) Carbon Disulfide	2.514	76	522	Below Cal	#	74
20) Methylene Chloride	2.794	84	806	Below Cal	#	85
25) 2-Butanone	4.580	43	3197	2.028	ug/l #	74
31) Cyclohexane	5.562	56	3440	1.208	ug/l #	1
36) 1,1,3-Trichloropropene	5.556	75	12350	5.195	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15694	7.079	ug/l #	16
49) 1,4-Dioxane	7.824	88	23	0.418	ug/l #	1
51) 4-Methyl-2-Pentanone	8.586	43	623	0.205	ug/l	98
59) 2-Hexanone	9.433	43	1122	0.481	ug/l	91
60) Dibromochloromethane	9.275	129	807	0.423	ug/l #	11
64) Tetrachloroethene	9.275	164	835	0.407	ug/l #	68
76) 1,2,3-Trichloropropane	11.085	75	52912	20.942	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	52912	60.438	ug/l #	13

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

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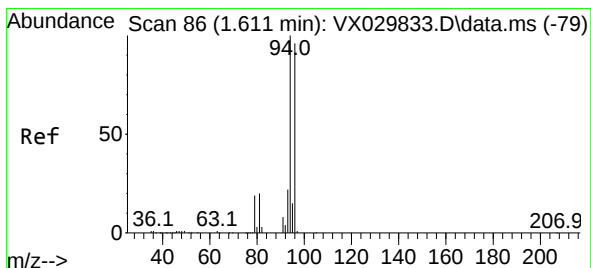
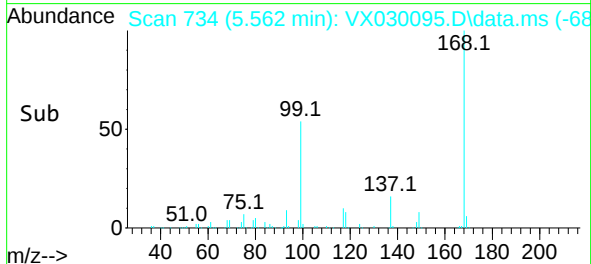
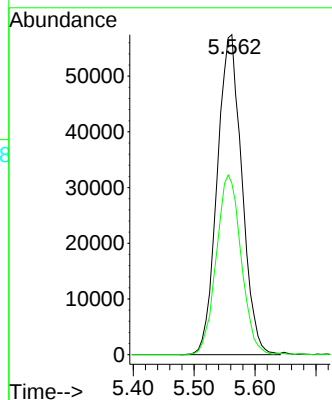
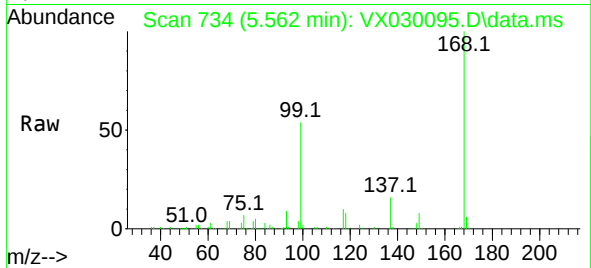




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

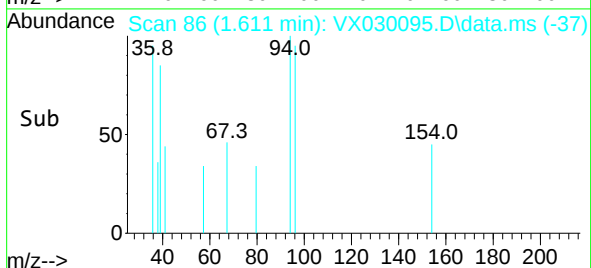
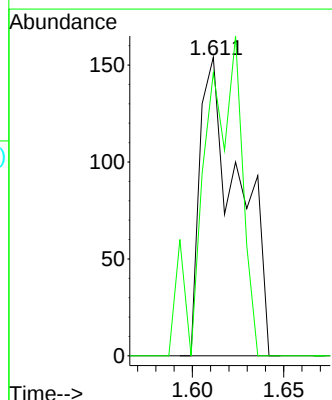
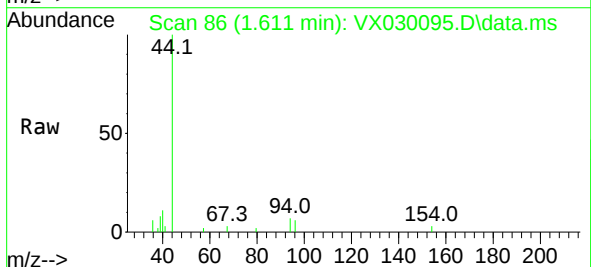
Instrument :
MSVOA_X
ClientSampleId :
1-4-TOTES-COMP

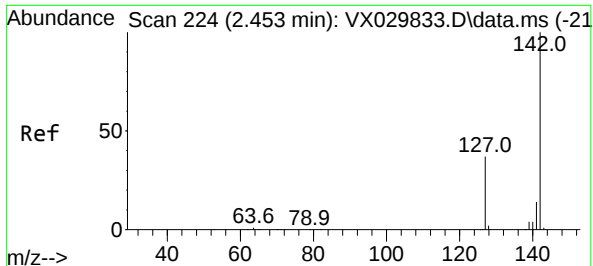
Tgt Ion:168 Resp: 161369
Ion Ratio Lower Upper
168 100
99 53.6 44.0 66.0



#5
Bromomethane
Concen: 0.289 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

Tgt Ion: 94 Resp: 229
Ion Ratio Lower Upper
94 100
96 94.8 76.9 115.3

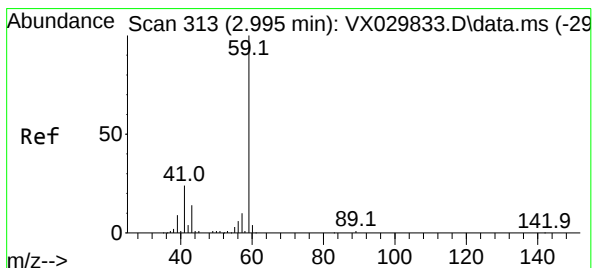
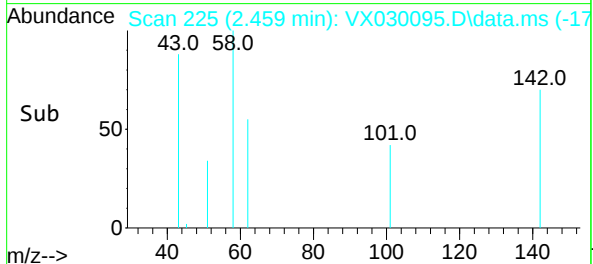
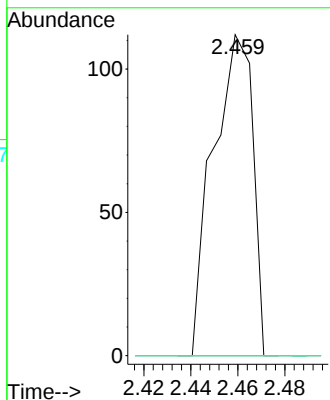
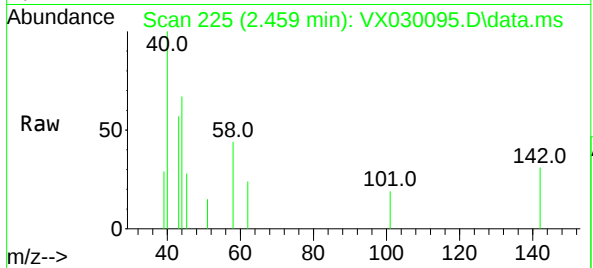




#10
Methyl Iodide
Concen: 2.485 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

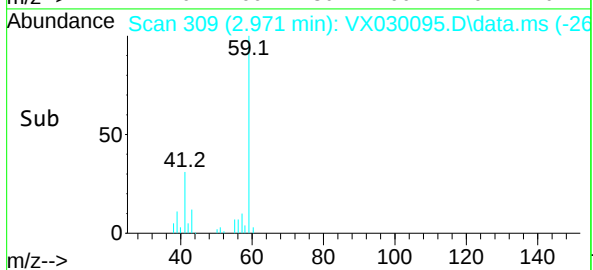
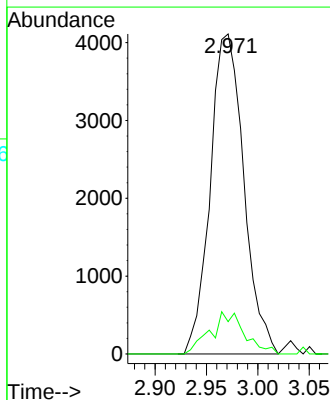
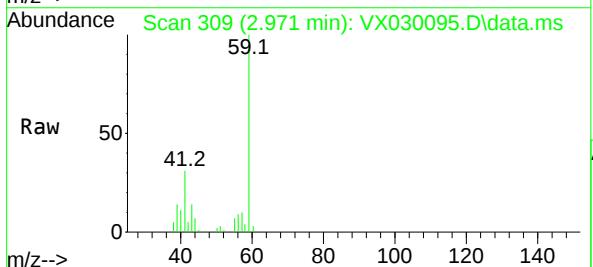
Instrument :
MSVOA_X
ClientSampleId :
1-4-TOTES-COMP

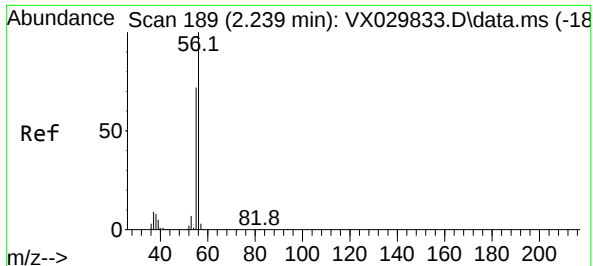
Tgt Ion:142 Resp: 131
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 18.391 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

Tgt Ion: 59 Resp: 9323
Ion Ratio Lower Upper
59 100
57 13.3 7.4 11.2#





#13

Acrolein

Concen: 0.475 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.080 min

Lab File: VX030095.D

Acq: 15 Jul 2022 16:37

Instrument :

MSVOA_X

ClientSampleId :

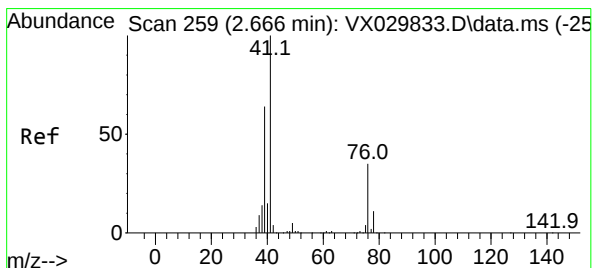
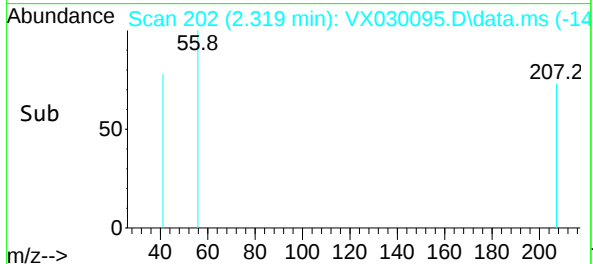
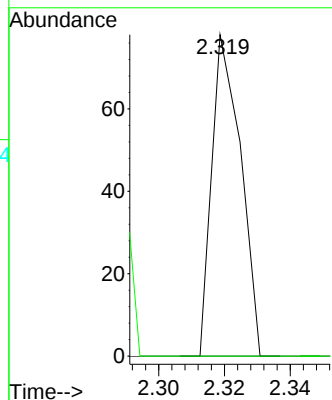
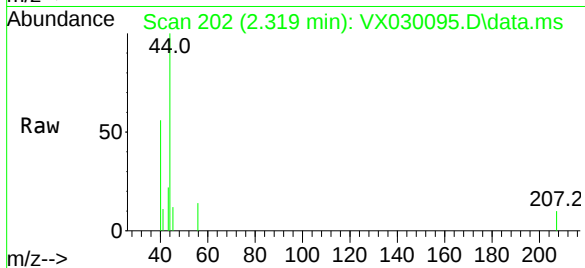
1-4-TOTES-COMP

Tgt Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#



#14

Allyl chloride

Concen: 0.375 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.018 min

Lab File: VX030095.D

Acq: 15 Jul 2022 16:37

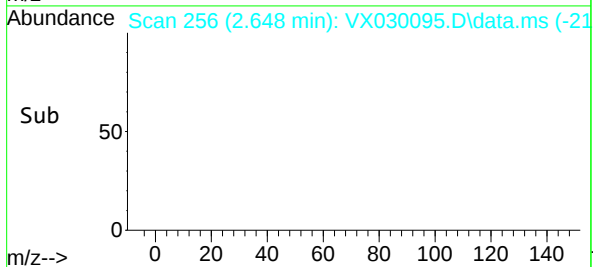
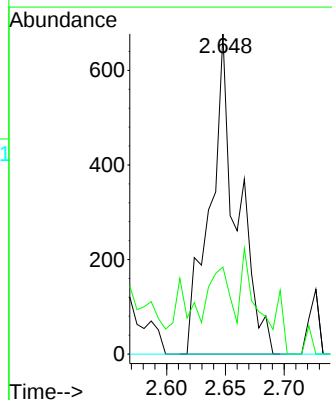
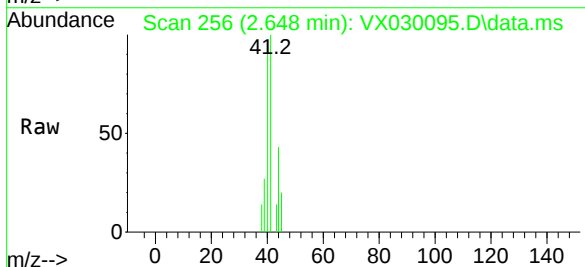
Tgt Ion: 41 Resp: 1078

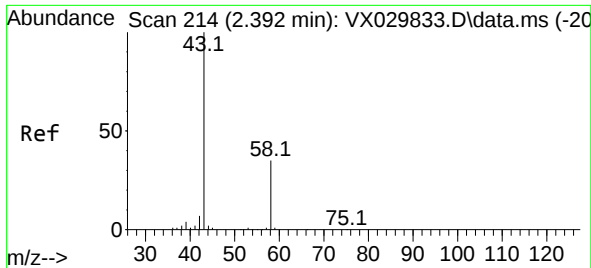
Ion Ratio Lower Upper

41 100

39 23.2 48.9 73.3#

76 0.0 26.9 40.3#

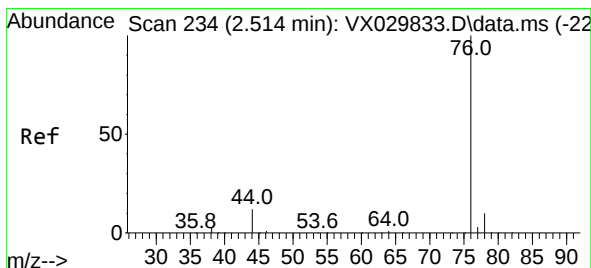
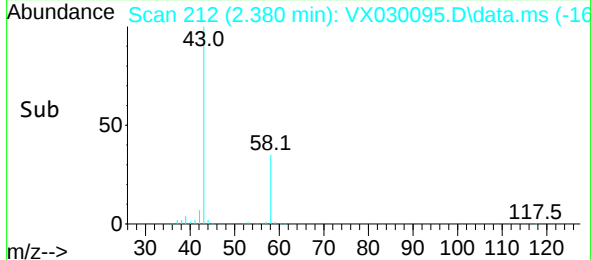
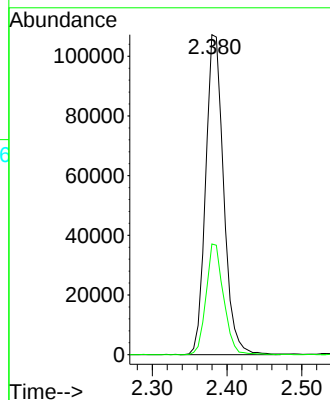
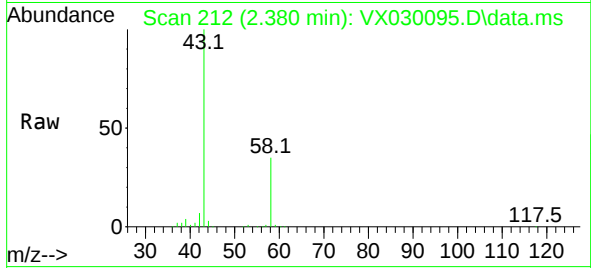




#16
Acetone
Concen: 193.730 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

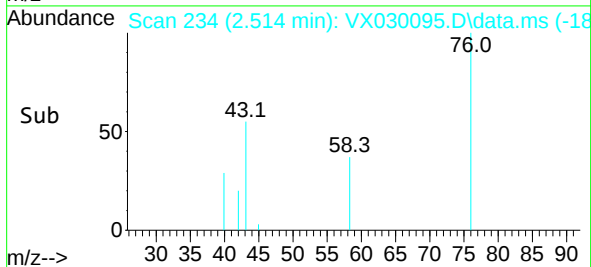
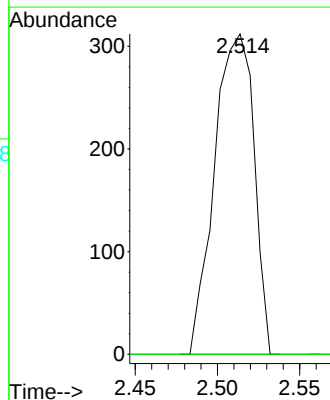
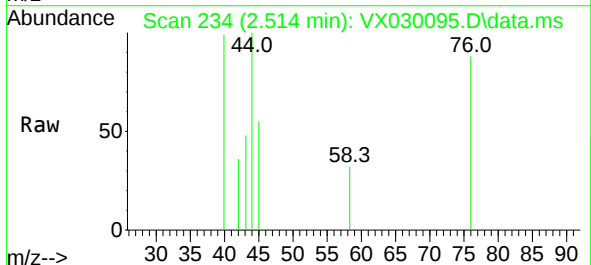
Instrument :
MSVOA_X
ClientSampleId :
1-4-TOTES-COMP

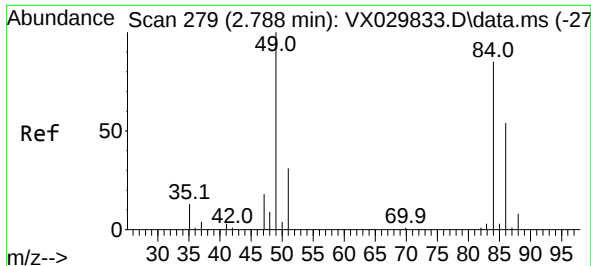
Tgt Ion: 43 Resp: 179301
Ion Ratio Lower Upper
43 100
58 34.6 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

Tgt Ion: 76 Resp: 522
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



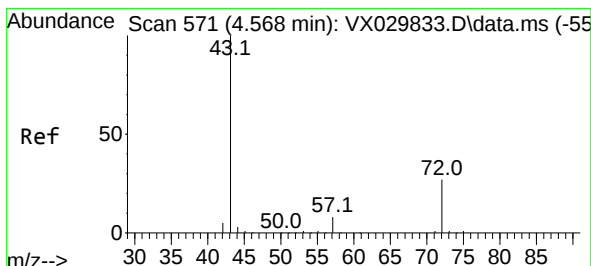
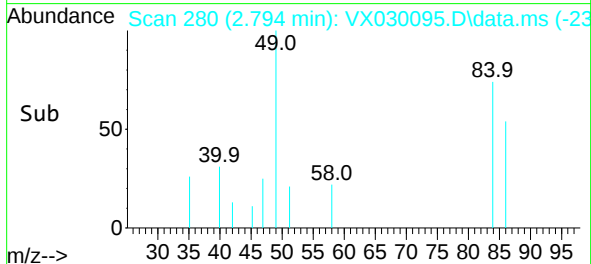
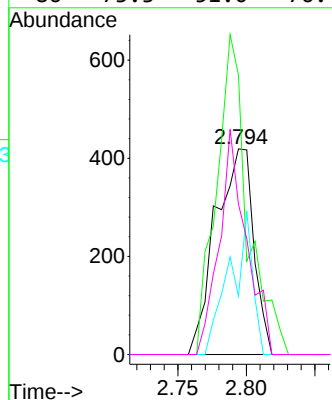
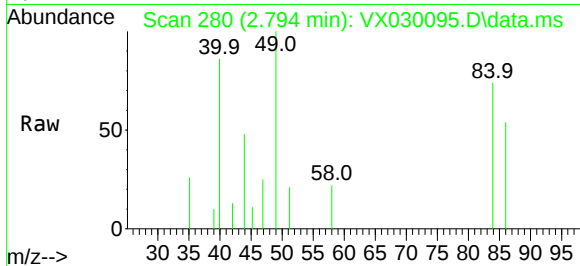


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

Instrument :
MSVOA_X
ClientSampleId :
1-4-TOTES-COMP

Tgt Ion: 84 Resp: 806

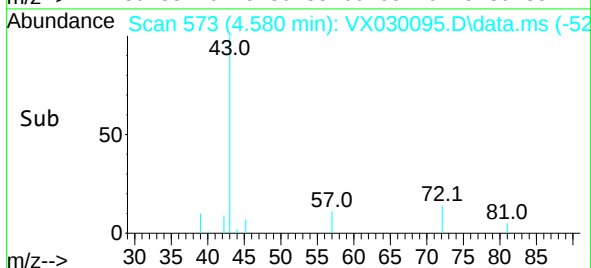
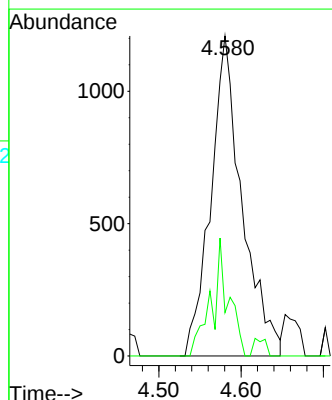
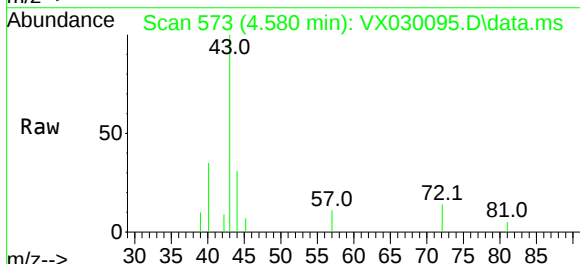
Ion	Ratio	Lower	Upper
84	100		
49	136.0	93.8	140.6
51	28.4	29.4	44.0#
86	73.3	51.0	76.4

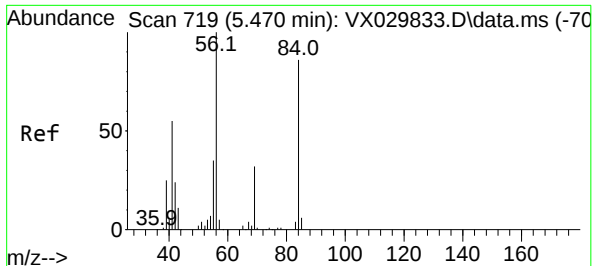


#25
2-Butanone
Concen: 2.028 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

Tgt Ion: 43 Resp: 3197

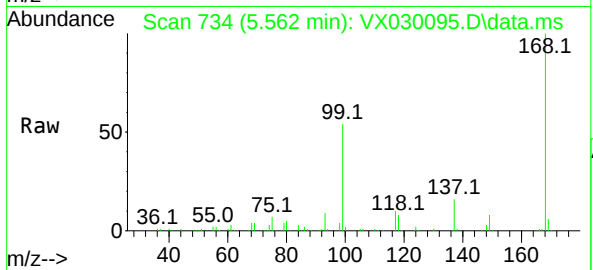
Ion	Ratio	Lower	Upper
43	100		
72	13.6	21.7	32.5#



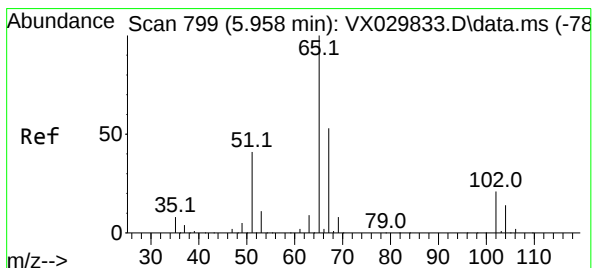
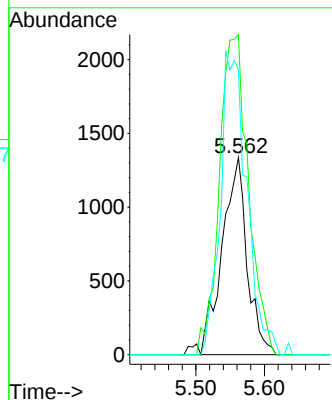
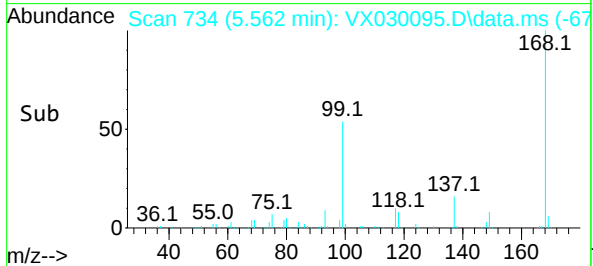


#31
Cyclohexane
Concen: 1.208 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

Instrument :
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ClientSampleId :
1-4-TOTES-COMP

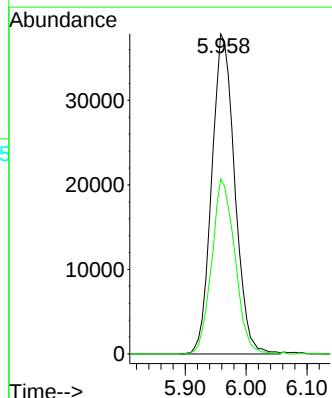
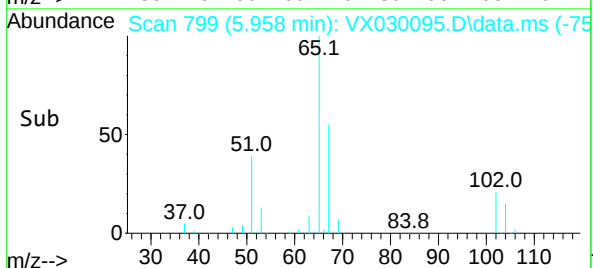
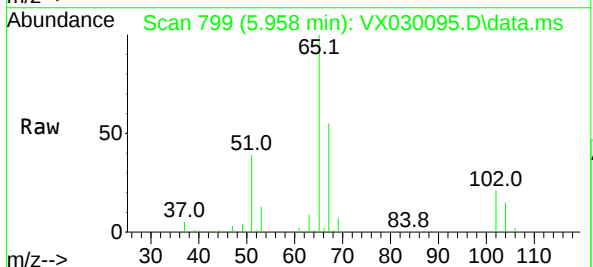


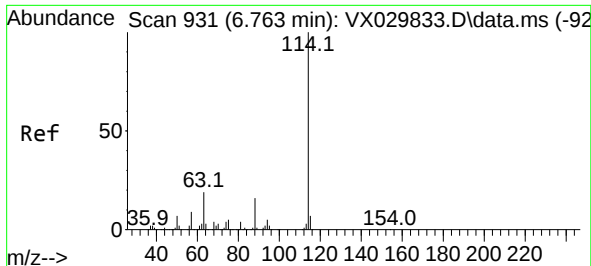
Tgt Ion: 56 Resp: 3440
Ion Ratio Lower Upper
56 100
69 162.4 25.4 38.0#
84 144.5 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 50.542 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

Tgt Ion: 65 Resp: 99272
Ion Ratio Lower Upper
65 100
67 55.1 0.0 109.6

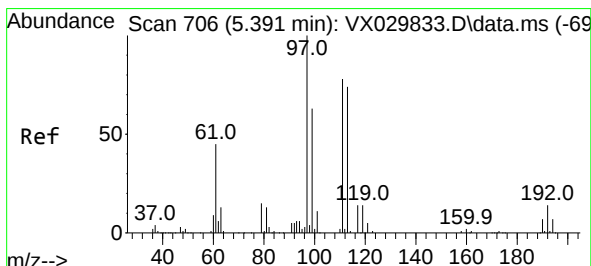
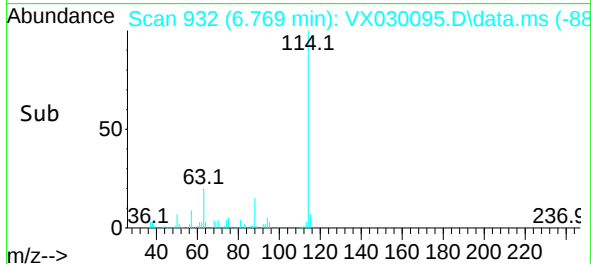
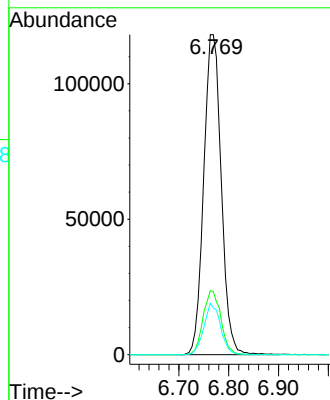
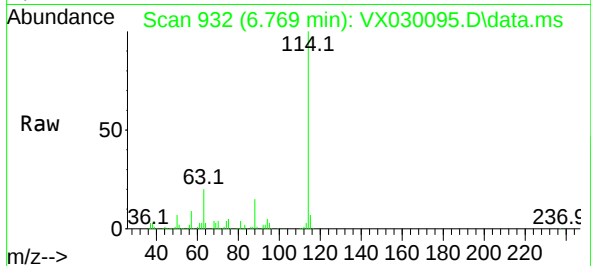




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

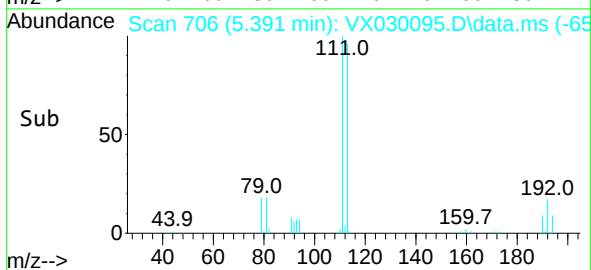
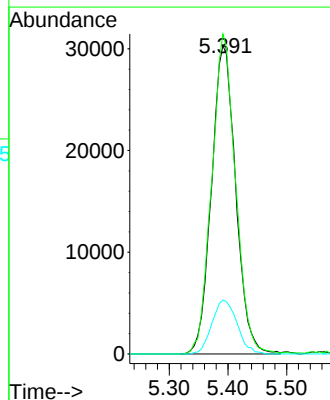
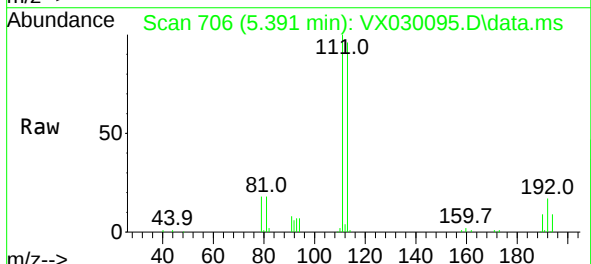
Instrument :
MSVOA_X
ClientSampleId :
1-4-TOTES-COMP

Tgt Ion:114 Resp: 288103
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.4
88 14.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.215 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

Tgt Ion:113 Resp: 86900
Ion Ratio Lower Upper
113 100
111 102.0 83.2 124.8
192 18.1 14.8 22.2

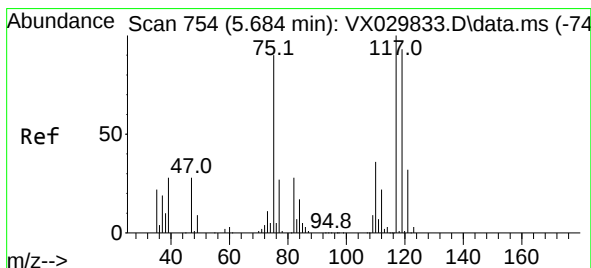
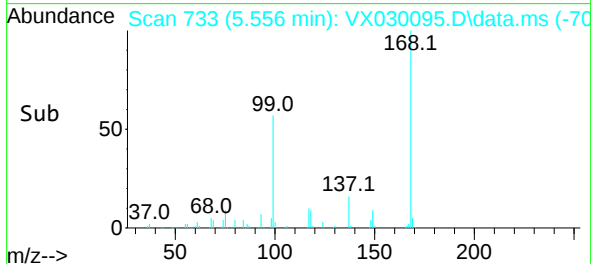
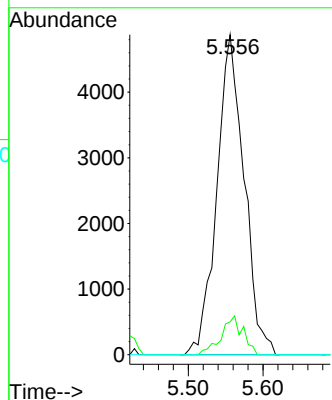
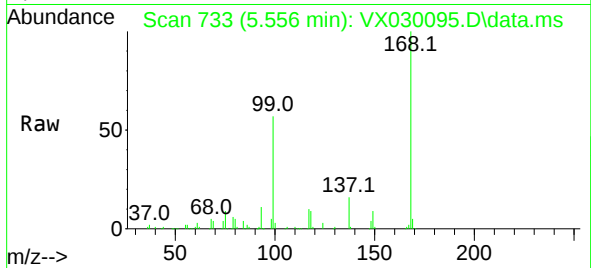




#36
1,1-Dichloropropene
Concen: 5.195 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

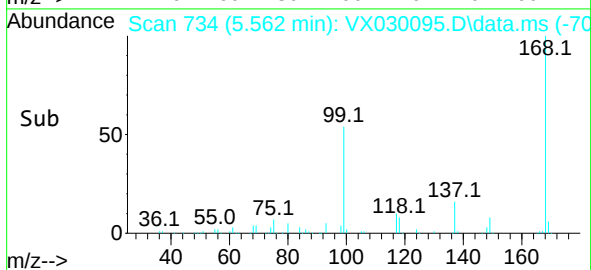
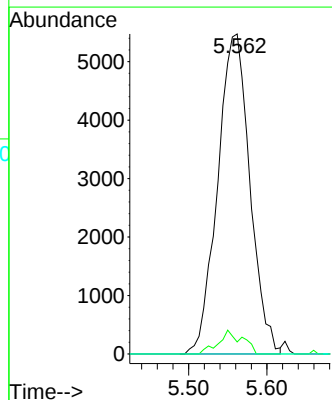
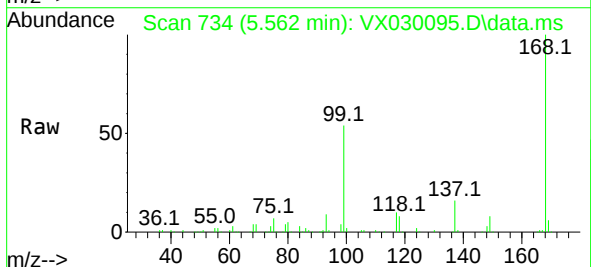
Instrument :
MSVOA_X
ClientSampleId :
1-4-TOTES-COMP

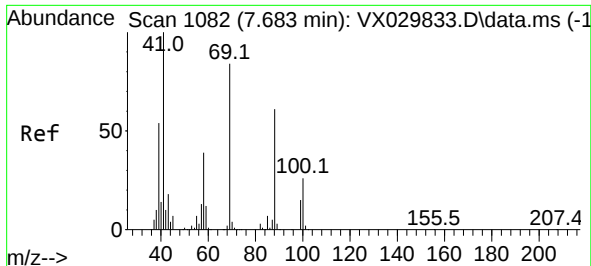
Tgt Ion: 75 Resp: 12350
Ion Ratio Lower Upper
75 100
110 9.7 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.079 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

Tgt Ion: 117 Resp: 15694
Ion Ratio Lower Upper
117 100
119 3.7 74.1 111.1#
121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 0.418 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.141 min

Lab File: VX030095.D

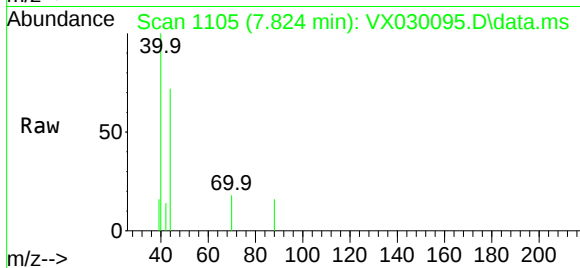
Acq: 15 Jul 2022 16:37

Instrument :

MSVOA_X

ClientSampleId :

1-4-TOTES-COMP



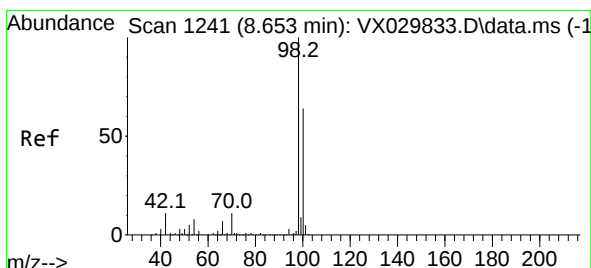
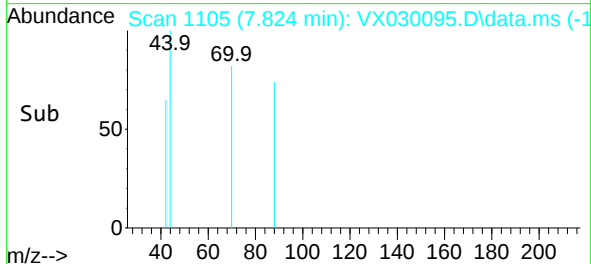
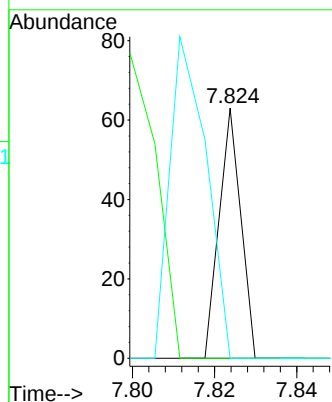
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 217.4 53.8 80.6#



#50

Toluene-d8

Concen: 48.299 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX030095.D

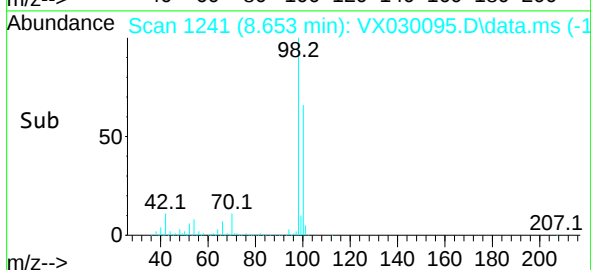
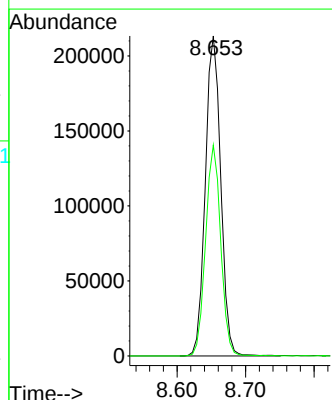
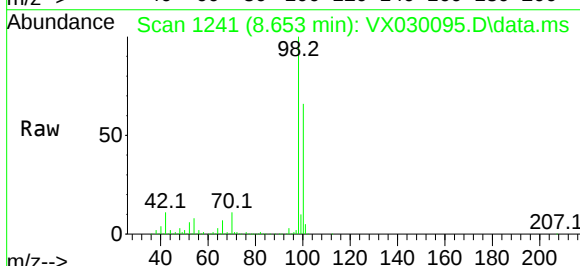
Acq: 15 Jul 2022 16:37

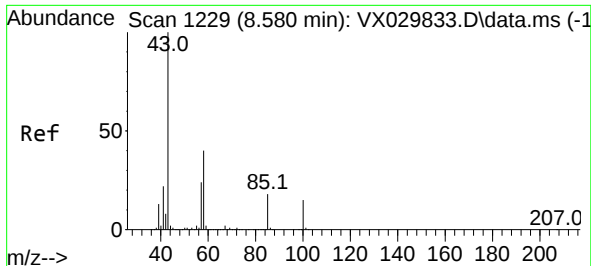
Tgt Ion: 98 Resp: 334326

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.205 ug/l

RT: 8.586 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX030095.D

Acq: 15 Jul 2022 16:37

Instrument :

MSVOA_X

ClientSampleId :

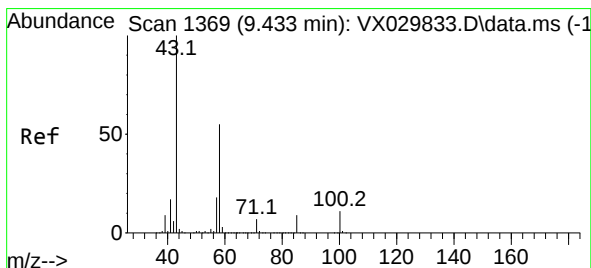
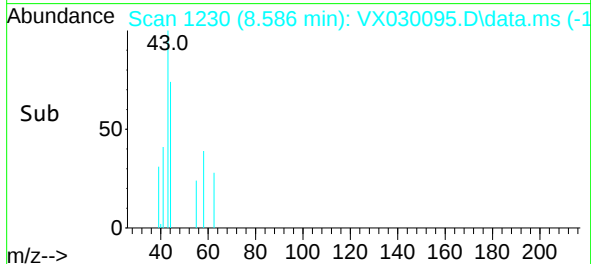
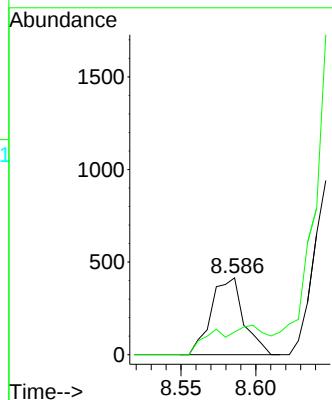
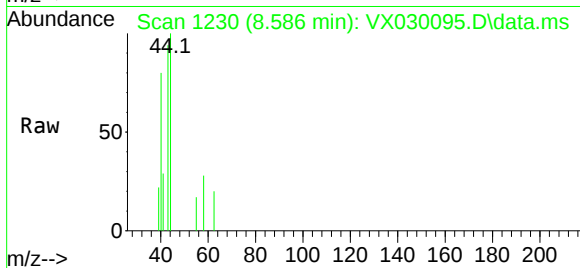
1-4-TOTES-COMP

Tgt Ion: 43 Resp: 623

Ion Ratio Lower Upper

43 100

58 38.2 31.4 47.2



#59

2-Hexanone

Concen: 0.481 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX030095.D

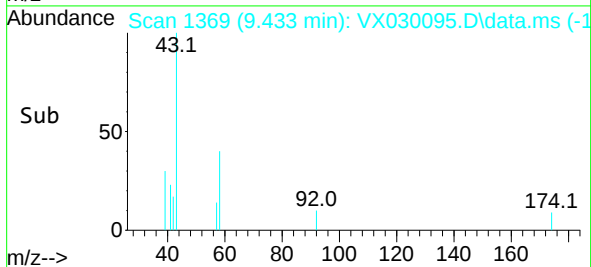
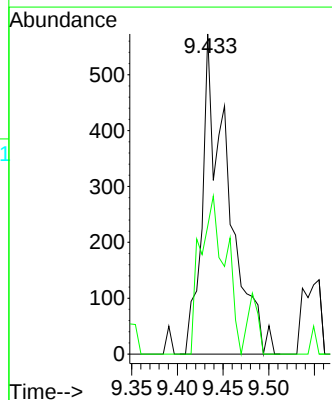
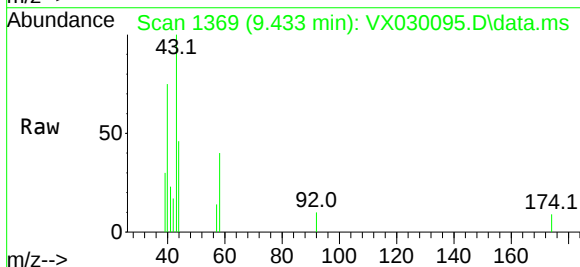
Acq: 15 Jul 2022 16:37

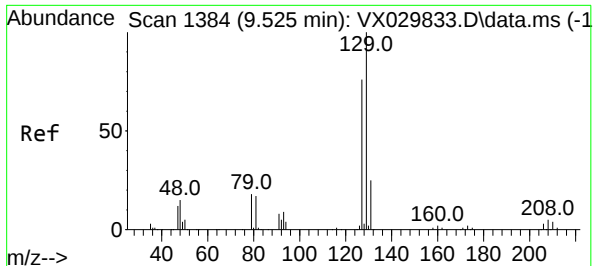
Tgt Ion: 43 Resp: 1122

Ion Ratio Lower Upper

43 100

58 48.8 27.6 82.8

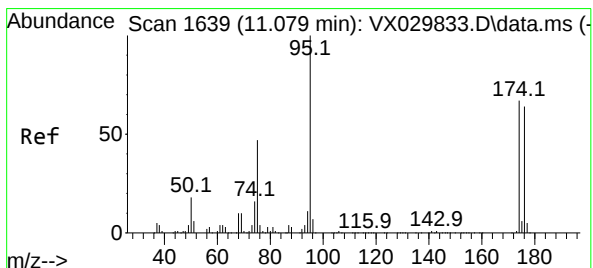
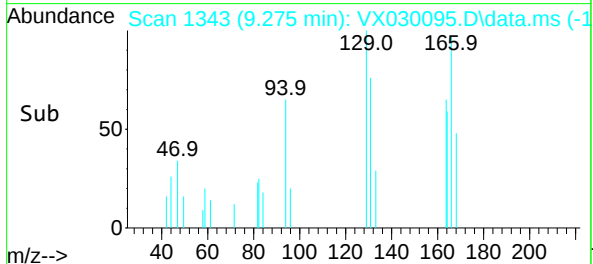
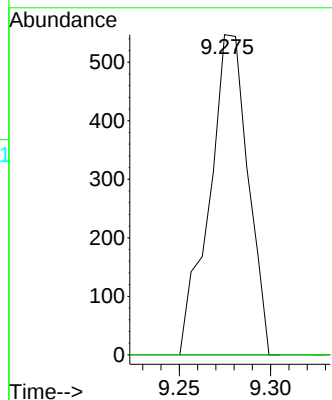
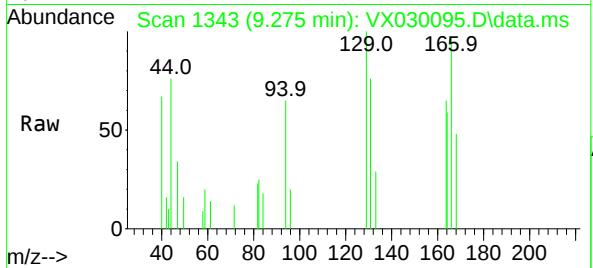




#60
Dibromochloromethane
Concen: 0.423 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

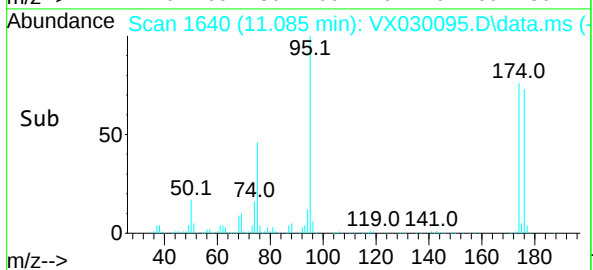
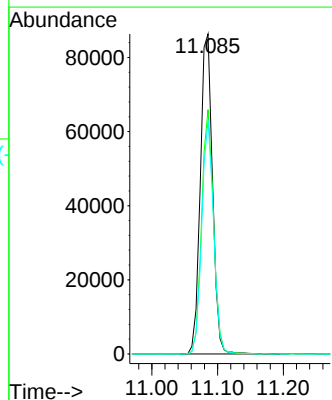
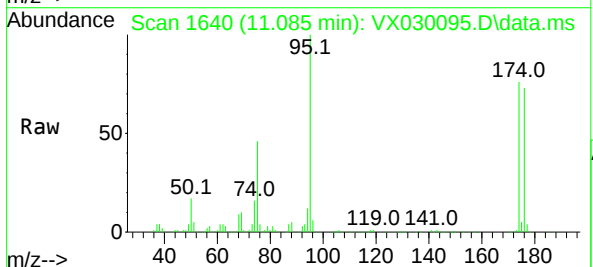
Instrument :
MSVOA_X
ClientSampleId :
1-4-TOTES-COMP

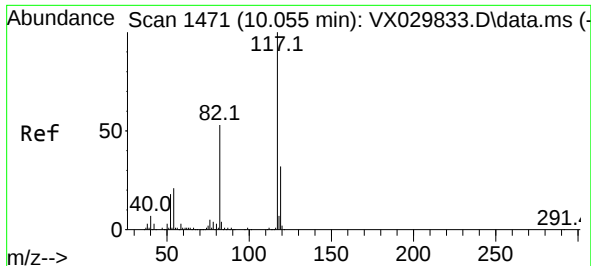
Tgt Ion:129 Resp: 807
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 46.286 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

Tgt Ion: 95 Resp: 111187
Ion Ratio Lower Upper
95 100
174 74.8 0.0 149.0
176 70.7 0.0 146.0

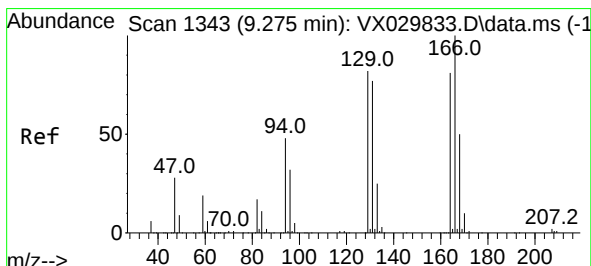
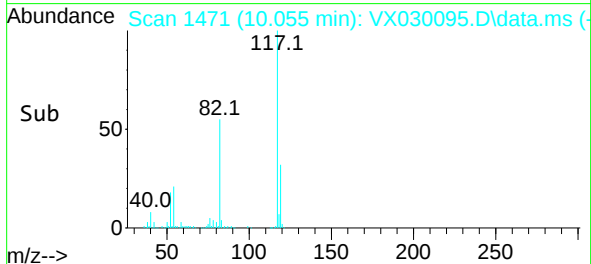
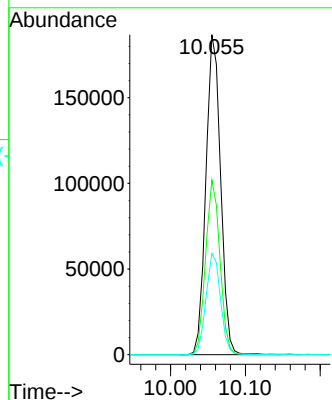
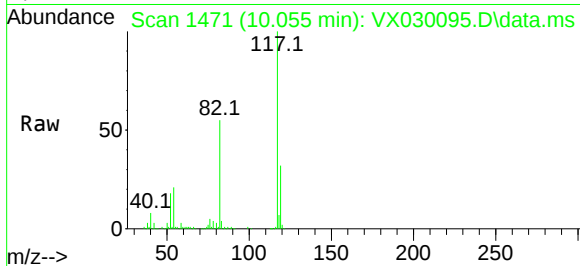




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

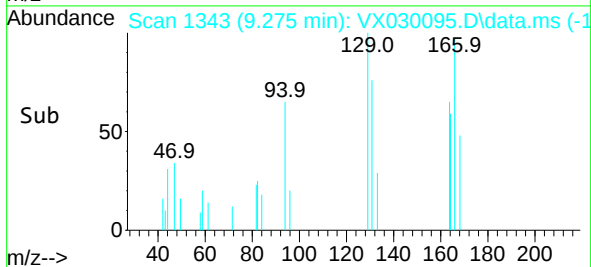
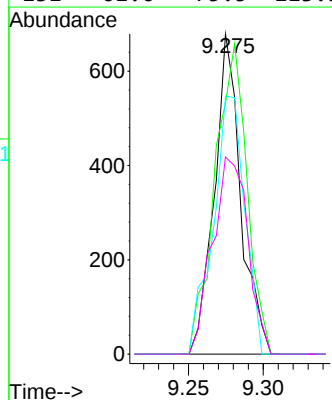
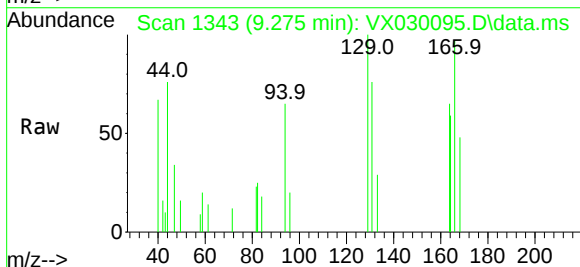
Instrument :
MSVOA_X
ClientSampleId :
1-4-TOTES-COMP

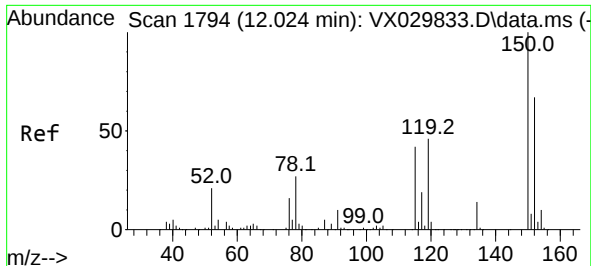
Tgt Ion:117 Resp: 255517
Ion Ratio Lower Upper
117 100
82 54.6 42.7 64.1
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 0.407 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

Tgt Ion:164 Resp: 835
Ion Ratio Lower Upper
164 100
166 78.4 98.2 147.4#
129 80.6 80.8 121.2#
131 61.6 75.5 113.3#

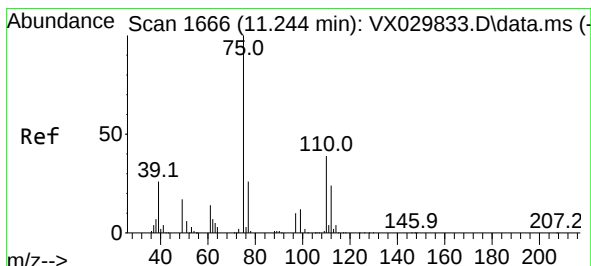
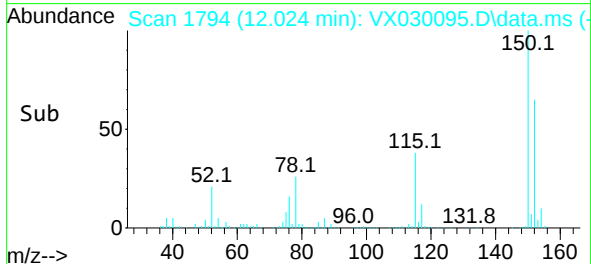
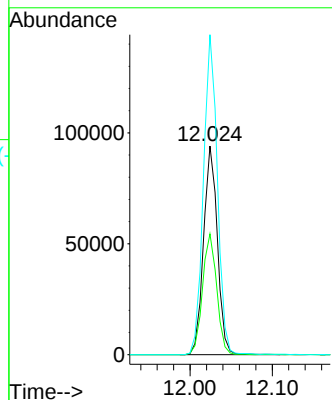
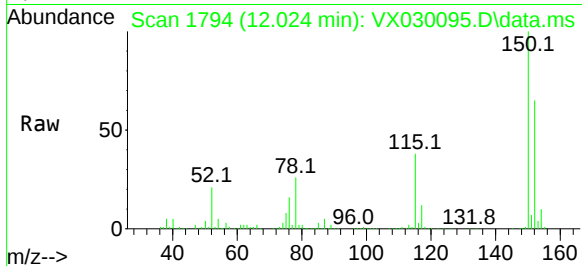




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

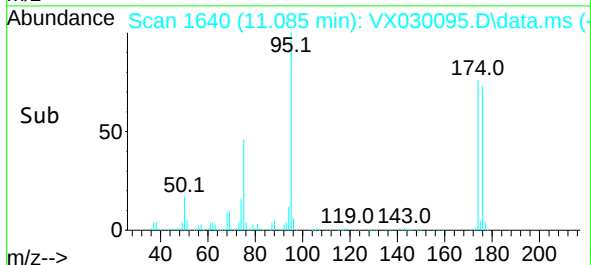
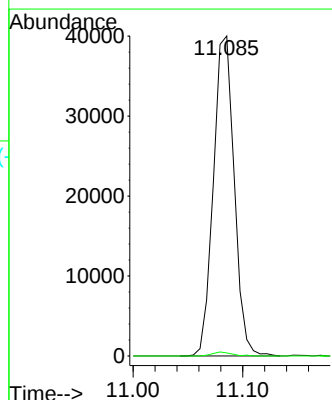
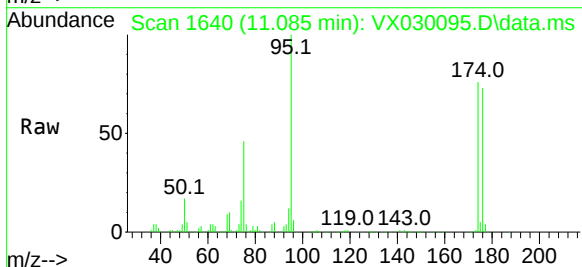
Instrument :
MSVOA_X
ClientSampleId :
1-4-TOTES-COMP

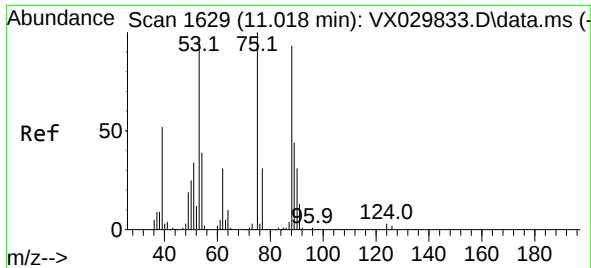
Tgt Ion:152 Resp: 109890
Ion Ratio Lower Upper
152 100
115 59.3 40.5 121.5
150 154.4 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 20.942 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030095.D
Acq: 15 Jul 2022 16:37

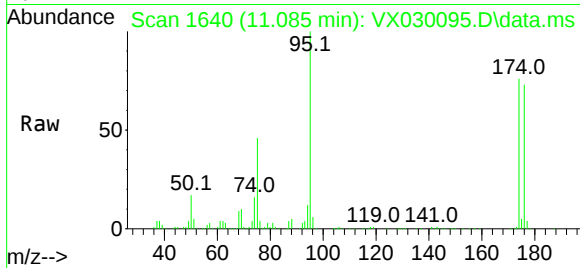
Tgt Ion: 75 Resp: 52912
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.438 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030095.D
 Acq: 15 Jul 2022 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 1-4-TOTES-COMP



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.2	111.4#
89	0.2	34.8	52.2#

