

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060622\
 Data File : VX029269.D
 Acq On : 07 Jun 2022 04:21
 Operator : JC/MD
 Sample : N3166-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

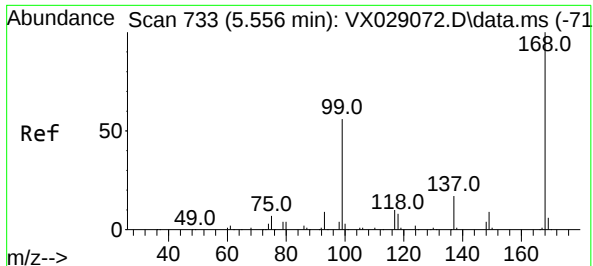
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20220531

Quant Time: Jun 07 06:11:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

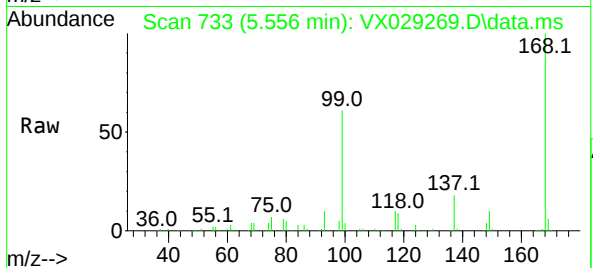
Internal Standards						
1) Pentafluorobenzene	5.556	168	304763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	574898	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	571455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	264265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	214719	62.479	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 124.960%	
35) Dibromofluoromethane	5.391	113	191621	50.181	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.360%	
50) Toluene-d8	8.653	98	685001	49.047	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.100%	
62) 4-Bromofluorobenzene	11.079	95	278404	51.569	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 103.140%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	5796	2.187	ug/l	98
3) Chloromethane	1.288	50	1234	0.445	ug/l #	42
4) Vinyl Chloride	1.374	62	117666	38.590	ug/l	99
5) Bromomethane	1.618	94	590	Below Cal	#	10
6) Chloroethane	1.557	64	662	1.645	ug/l #	43
10) Methyl Iodide	2.453	142	420	4.339	ug/l	97
11) Tert butyl alcohol	2.953	59	781	0.981	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	1492	0.543	ug/l #	77
16) Acetone	2.386	43	3950	2.919	ug/l #	86
21) trans-1,2-Dichloroethene	3.099	96	3211	1.036	ug/l	83
23) Vinyl Acetate	3.739	43	3705	0.538	ug/l	95
25) 2-Butanone	4.715	43	603540	276.477	ug/l #	44
27) cis-1,2-Dichloroethene	4.489	96	795515	215.259	ug/l	87
29) Tetrahydrofuran	5.019	42	2577	1.841	ug/l #	72
31) Cyclohexane	5.556	56	6090	1.363	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23948	4.874	ug/l #	50
37) Ethyl Acetate	4.715	43	606029	127.268	ug/l	99
38) Carbon Tetrachloride	5.550	117	32250	5.743	ug/l #	16
41) Methacrylonitrile	5.026	41	1333	0.518	ug/l #	33
44) Trichloroethene	7.135	130	7350	1.016	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	137073	25.587	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	137073	75.068	ug/l #	15

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

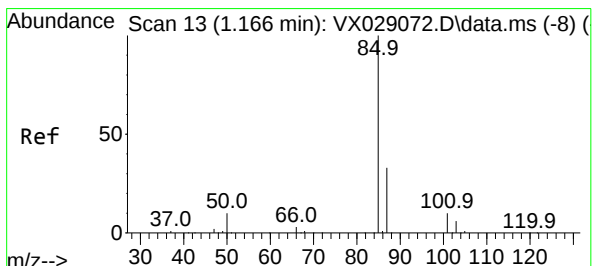
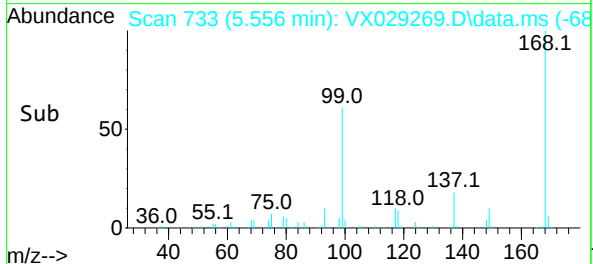
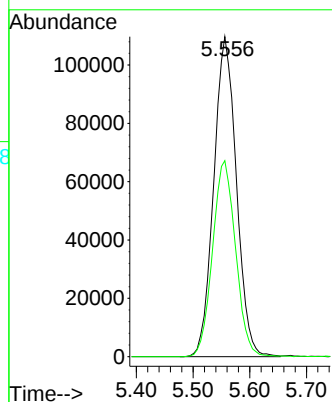


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220531

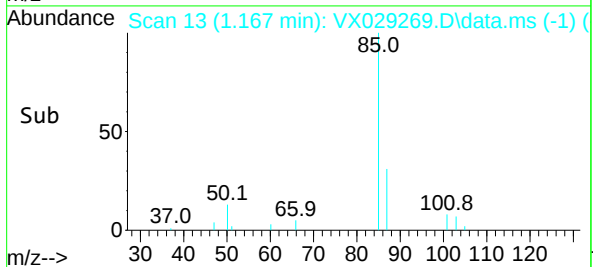
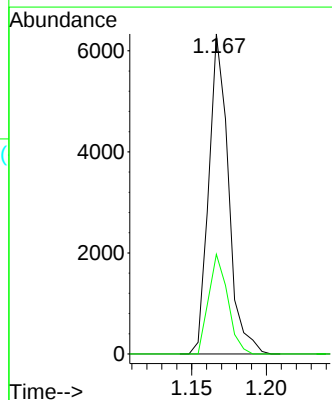
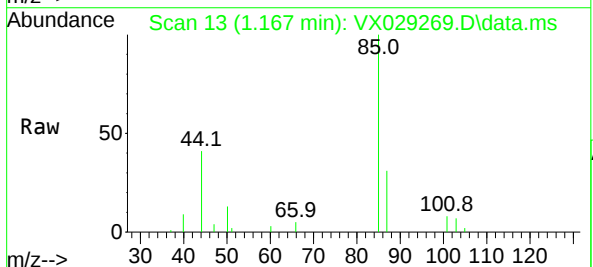


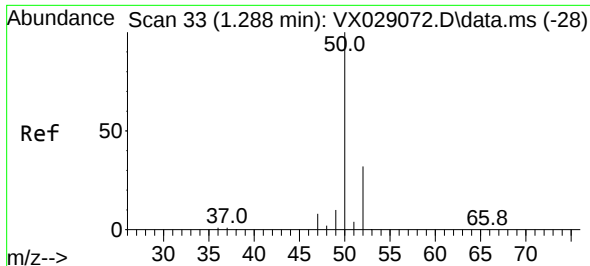
Tgt Ion:168 Resp: 304763
Ion Ratio Lower Upper
168 100
99 61.2 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 2.187 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

Tgt Ion: 85 Resp: 5796
Ion Ratio Lower Upper
85 100
87 31.1 16.2 48.6

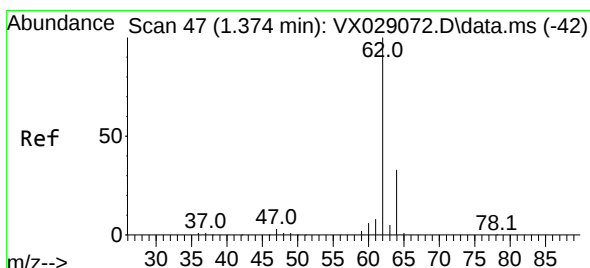
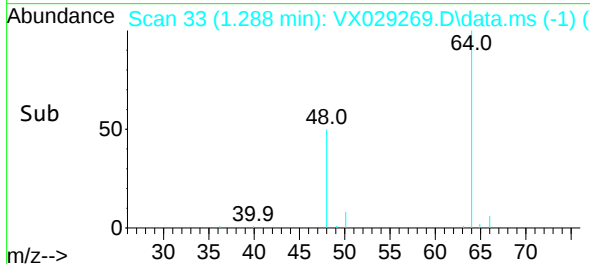
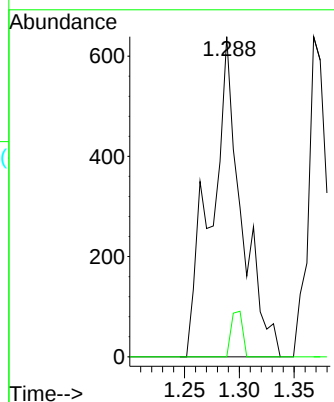
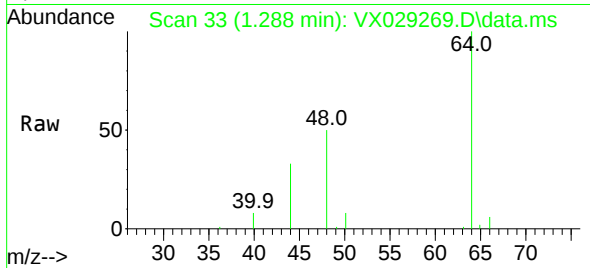




#3
Chloromethane
Concen: 0.445 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

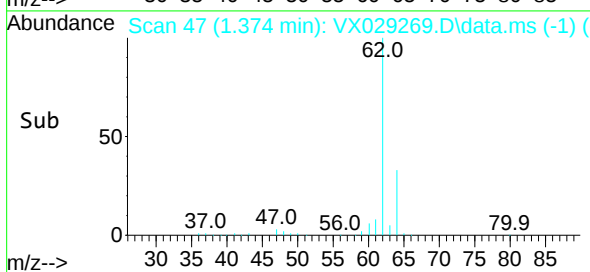
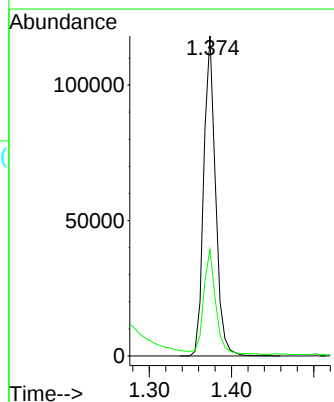
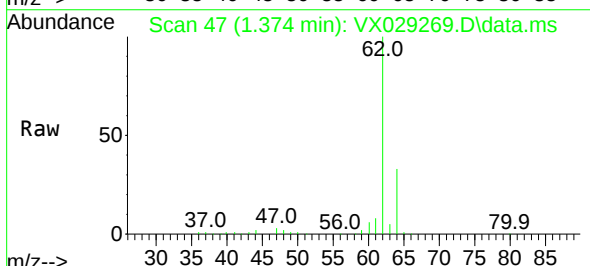
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ClientSampleId :
DUP04-20220531

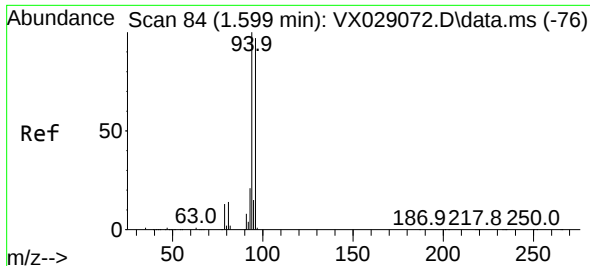
Tgt Ion: 50 Resp: 1234
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#4
Vinyl Chloride
Concen: 38.590 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

Tgt Ion: 62 Resp: 117666
Ion Ratio Lower Upper
62 100
64 32.7 25.5 38.3

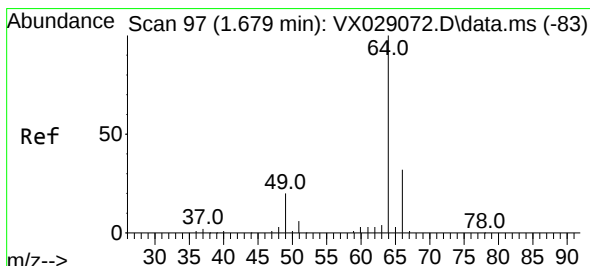
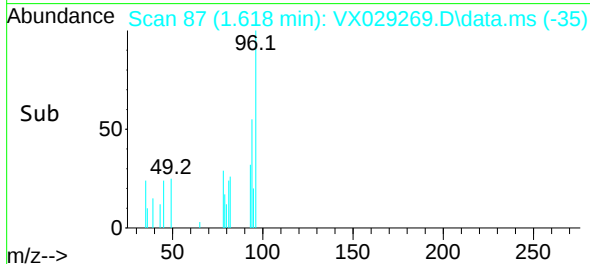
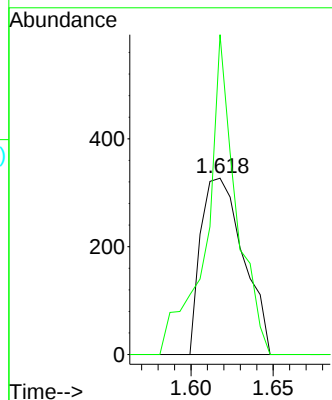
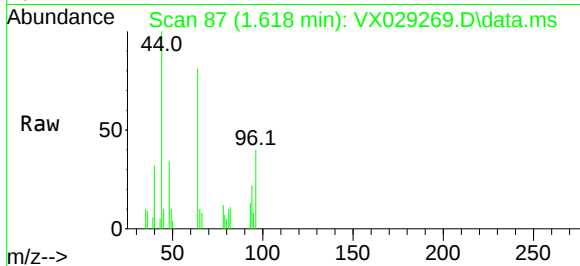




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

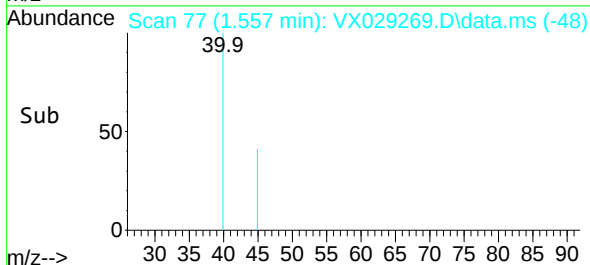
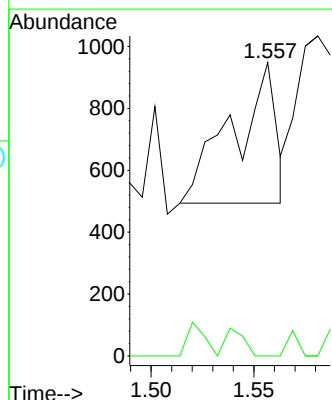
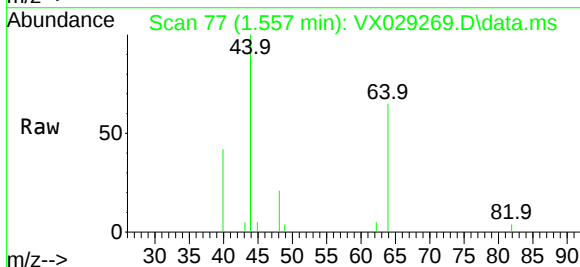
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220531

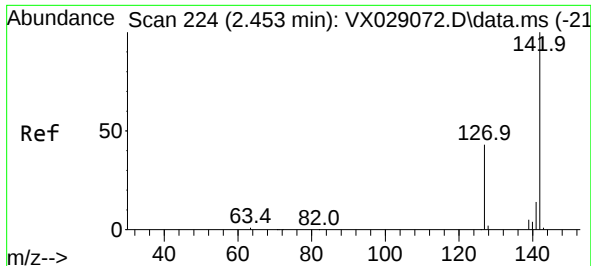
Tgt Ion: 94 Resp: 590
Ion Ratio Lower Upper
94 100
96 181.3 75.3 112.9#



#6
Chloroethane
Concen: 1.645 ug/l
RT: 1.557 min Scan# 77
Delta R.T. -0.122 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

Tgt Ion: 64 Resp: 662
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

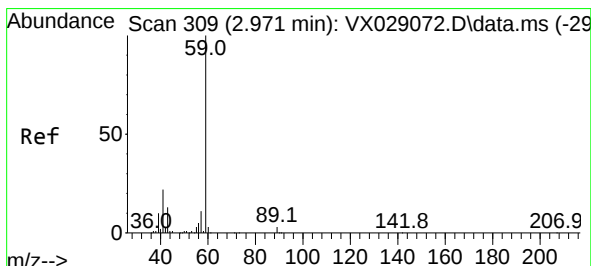
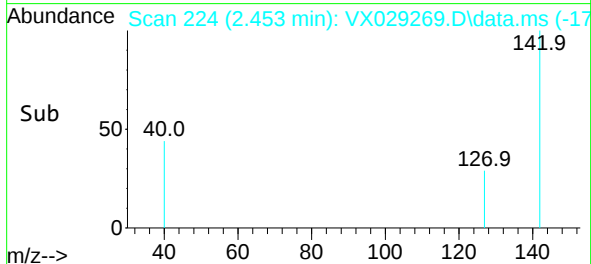
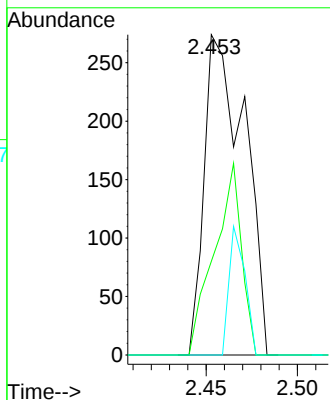
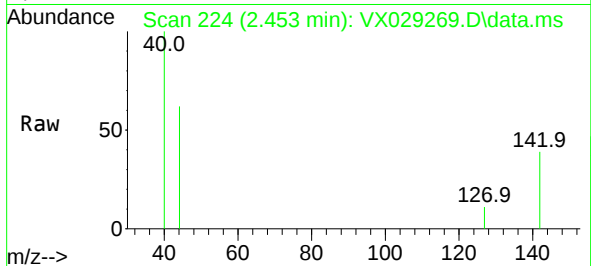




#10
Methyl Iodide
Concen: 4.339 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

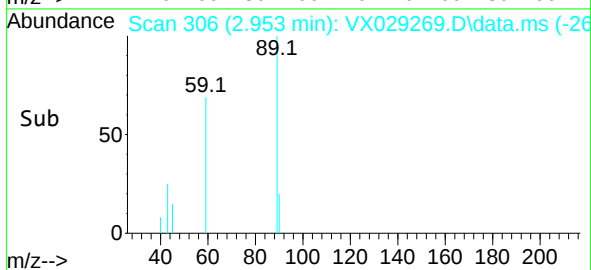
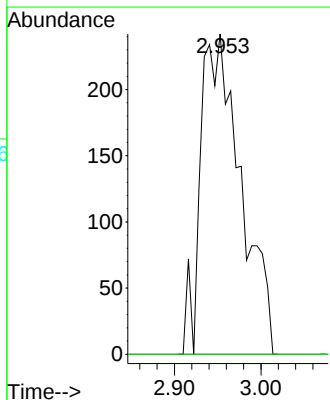
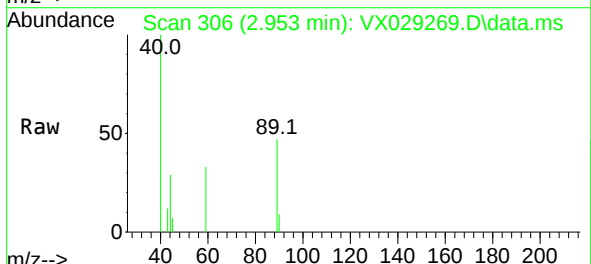
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220531

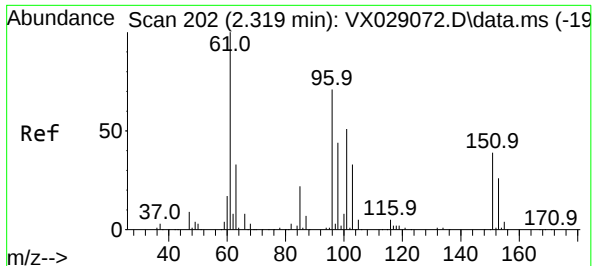
Tgt Ion:142 Resp: 420
Ion Ratio Lower Upper
142 100
127 40.5 33.9 50.9
141 16.0 11.4 17.2



#11
Tert butyl alcohol
Concen: 0.981 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

Tgt Ion: 59 Resp: 781
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.543 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX029269.D

Acq: 07 Jun 2022 04:21

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20220531

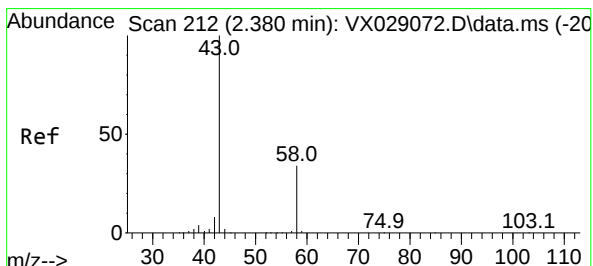
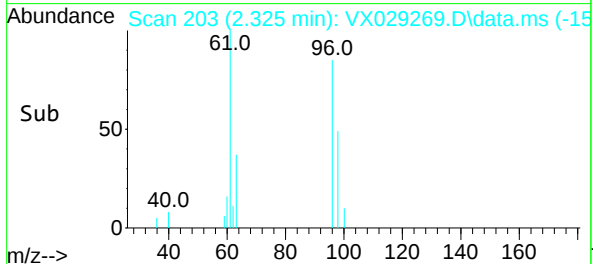
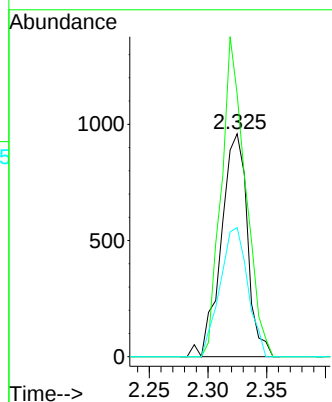
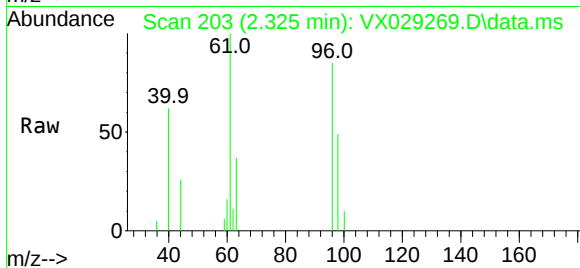
Tgt Ion: 96 Resp: 1492

Ion Ratio Lower Upper

96 100

61 117.8 124.6 187.0#

98 58.0 51.0 76.4



#16

Acetone

Concen: 2.919 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX029269.D

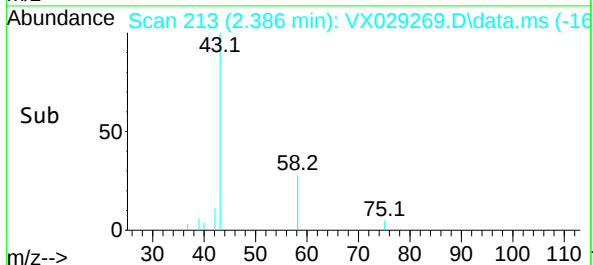
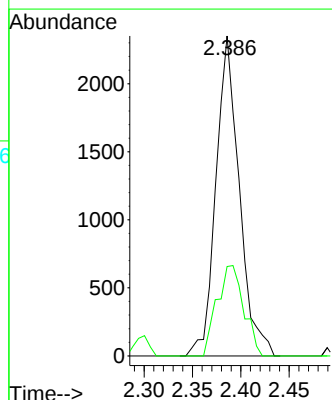
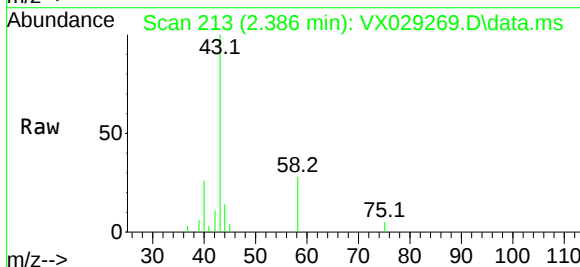
Acq: 07 Jun 2022 04:21

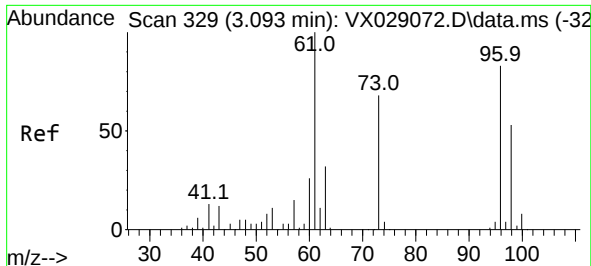
Tgt Ion: 43 Resp: 3950

Ion Ratio Lower Upper

43 100

58 27.9 28.8 43.2#

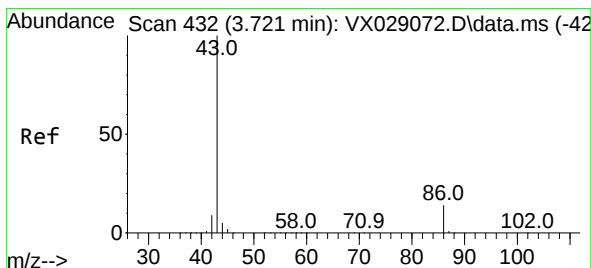
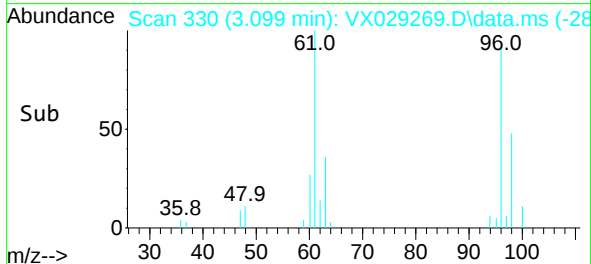
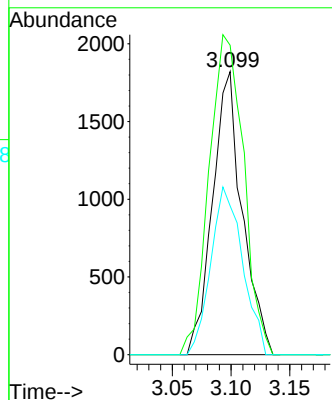
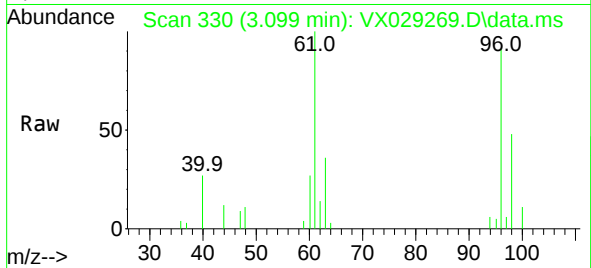




#21
trans-1,2-Dichloroethene
Concen: 1.036 ug/l
RT: 3.099 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

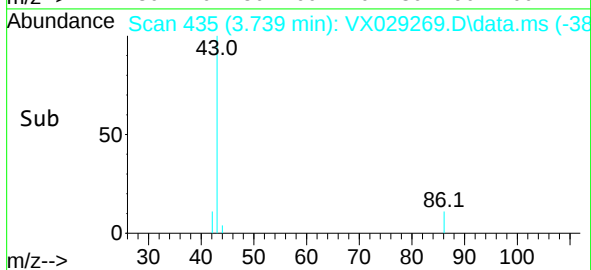
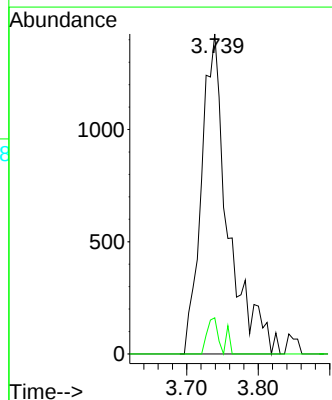
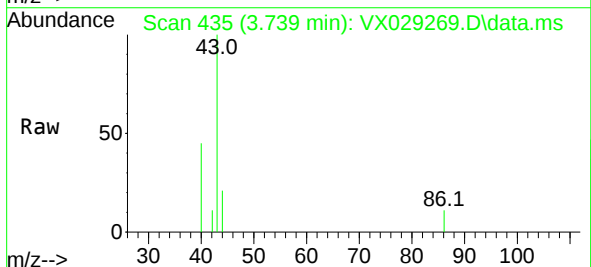
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220531

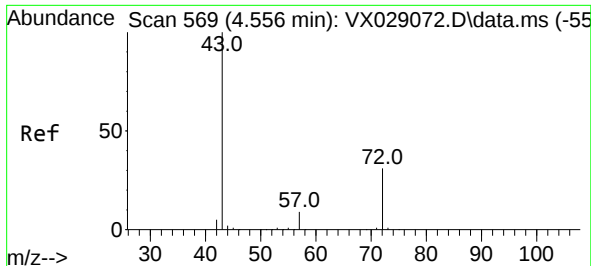
Tgt Ion: 96 Resp: 3211
Ion Ratio Lower Upper
96 100
61 109.3 105.4 158.2
98 52.6 50.0 75.0



#23
Vinyl Acetate
Concen: 0.538 ug/l
RT: 3.739 min Scan# 435
Delta R.T. 0.018 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

Tgt Ion: 43 Resp: 3705
Ion Ratio Lower Upper
43 100
86 11.3 10.8 16.2

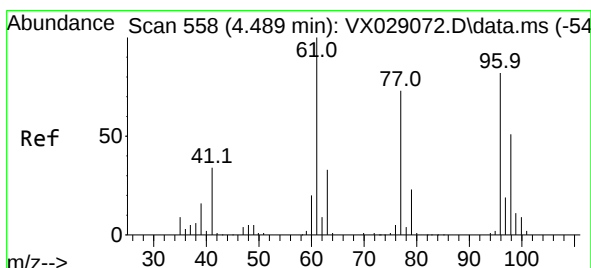
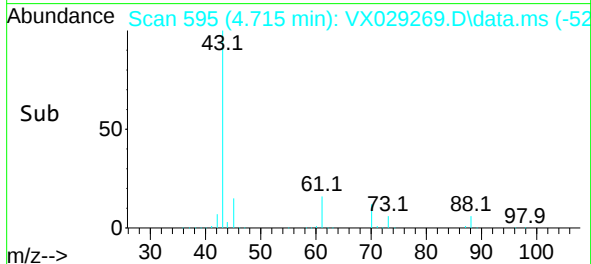
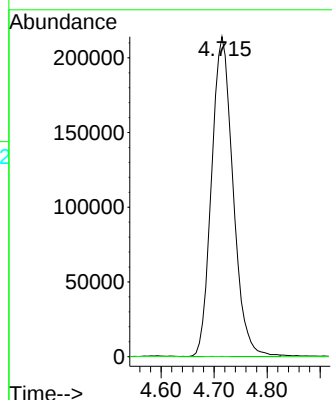
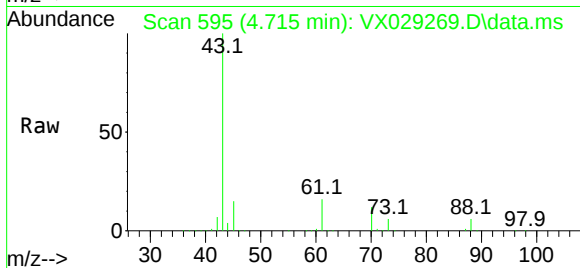




#25
2-Butanone
Concen: 276.477 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.159 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

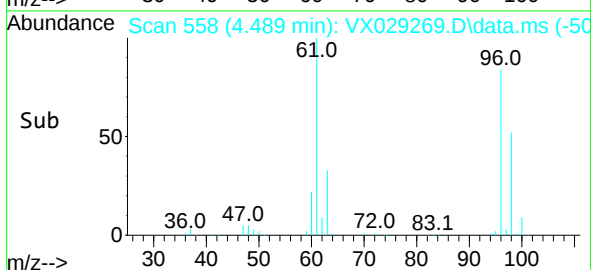
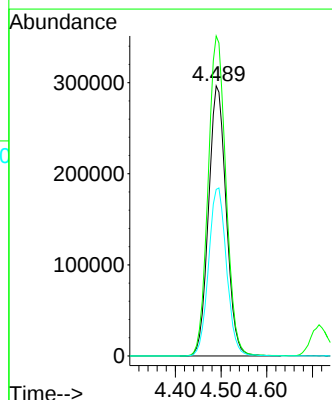
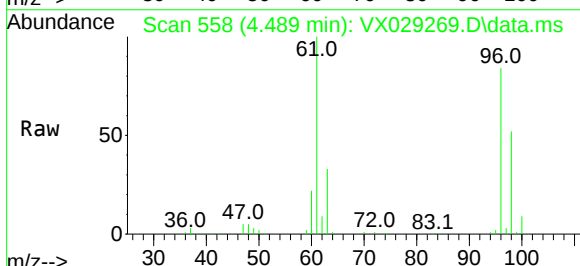
Instrument :
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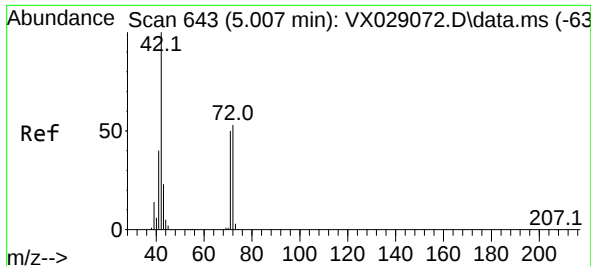
Tgt Ion: 43 Resp: 603540
Ion Ratio Lower Upper
43 100
72 0.1 24.4 36.6#



#27
cis-1,2-Dichloroethene
Concen: 215.259 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

Tgt Ion: 96 Resp: 795515
Ion Ratio Lower Upper
96 100
61 120.0 0.0 283.8
98 63.2 0.0 129.8





#29

Tetrahydrofuran

Concen: 1.841 ug/l

RT: 5.019 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX029269.D

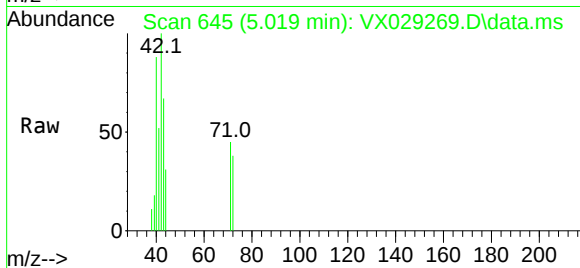
Acq: 07 Jun 2022 04:21

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20220531



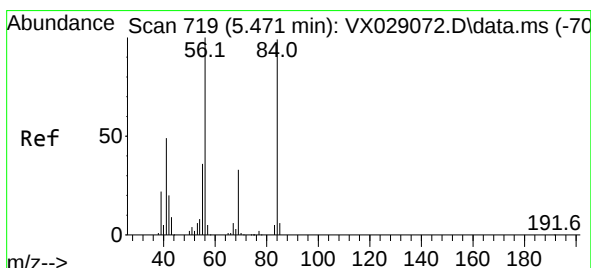
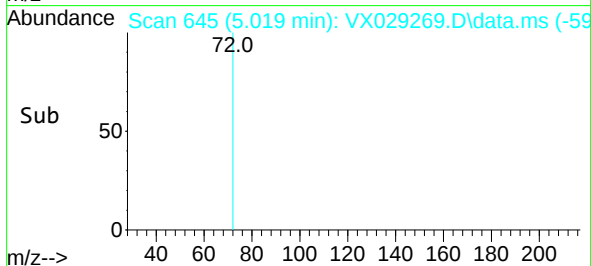
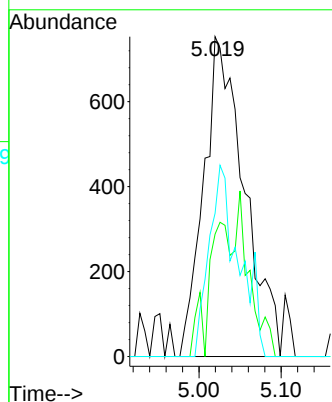
Tgt Ion: 42 Resp: 2577

Ion Ratio Lower Upper

42 100

72 23.0 44.1 66.1#

71 44.1 40.5 60.7



#31

Cyclohexane

Concen: 1.363 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX029269.D

Acq: 07 Jun 2022 04:21

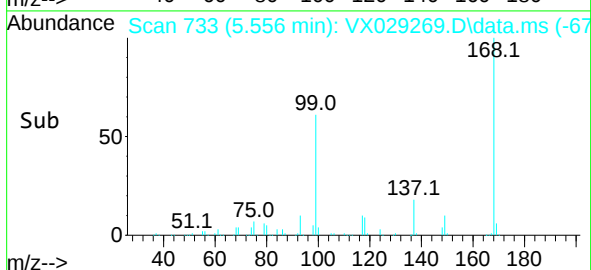
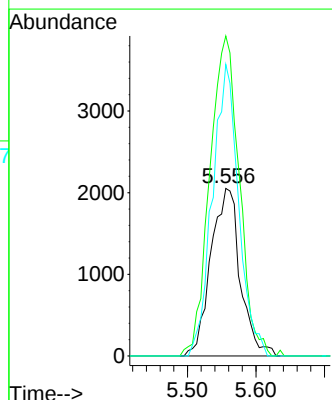
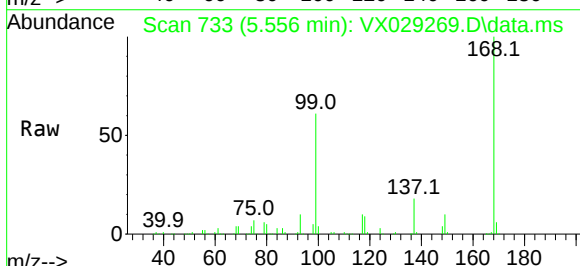
Tgt Ion: 56 Resp: 6090

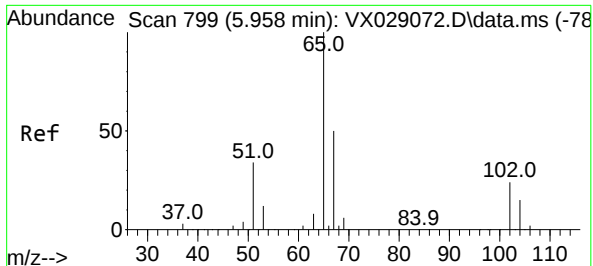
Ion Ratio Lower Upper

56 100

69 191.0 26.7 40.1#

84 174.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 62.479 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029269.D

Acq: 07 Jun 2022 04:21

Instrument :

MSVOA_X

ClientSampleId :

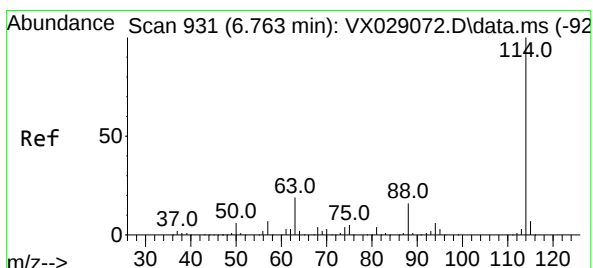
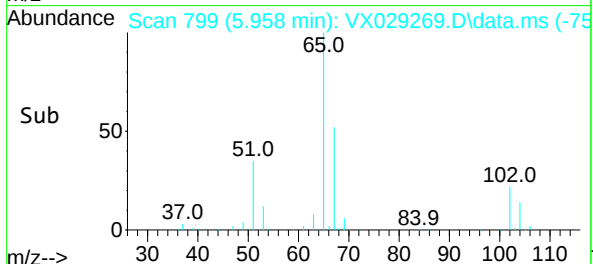
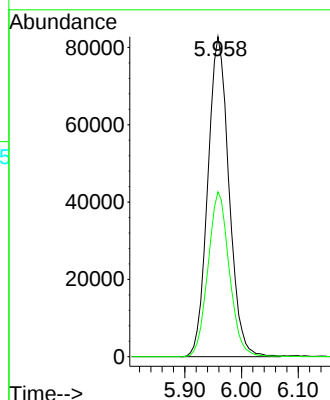
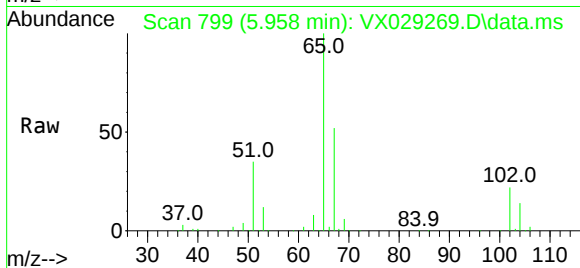
DUP04-20220531

Tgt Ion: 65 Resp: 214719

Ion Ratio Lower Upper

65 100

67 51.7 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX029269.D

Acq: 07 Jun 2022 04:21

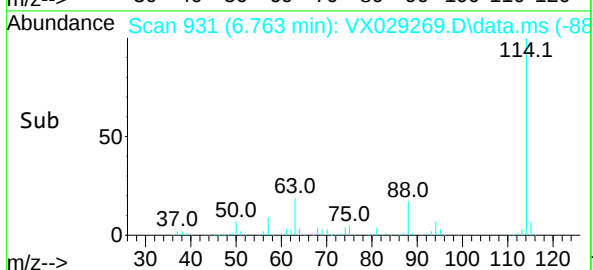
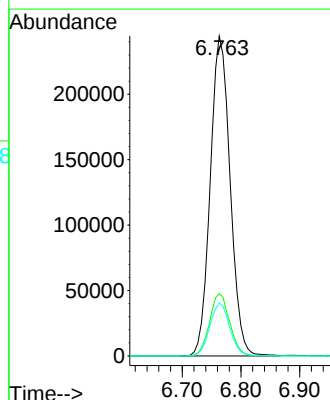
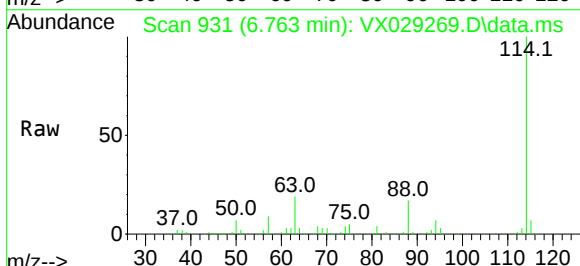
Tgt Ion: 114 Resp: 574898

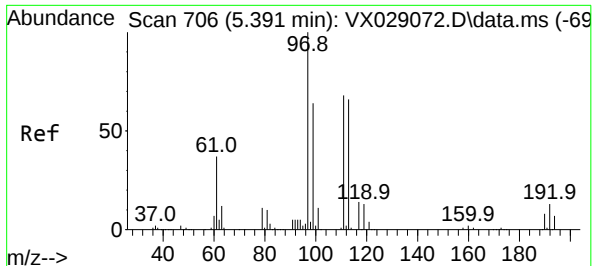
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.8

88 16.6 0.0 32.4

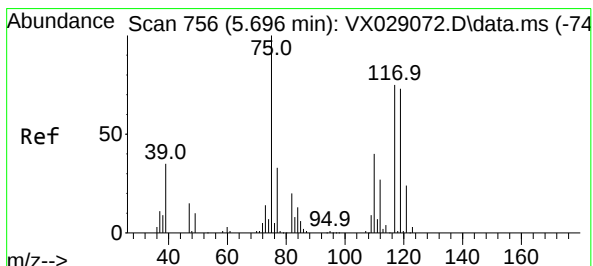
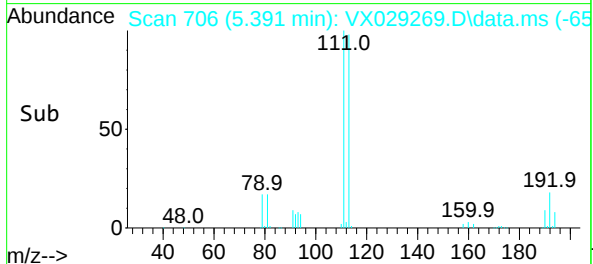
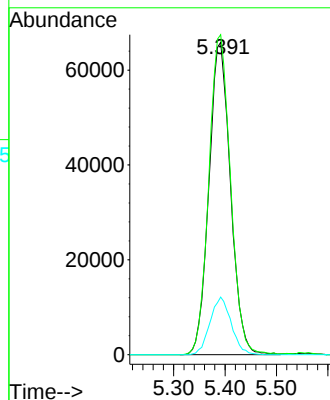
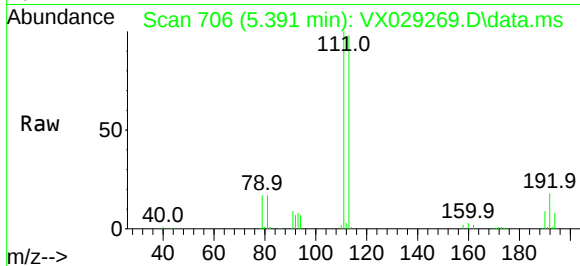




#35
Dibromofluoromethane
Concen: 50.181 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

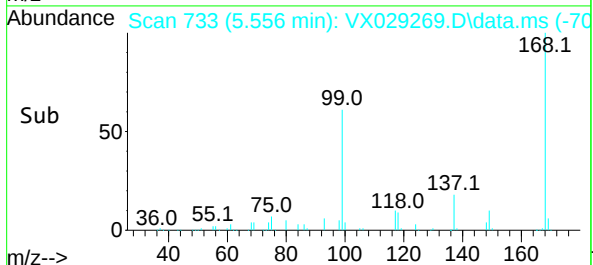
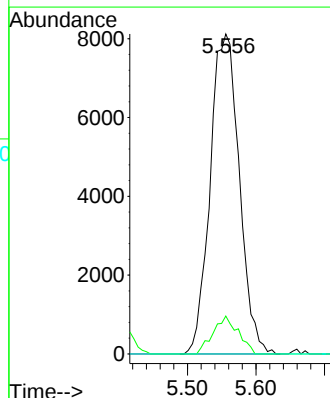
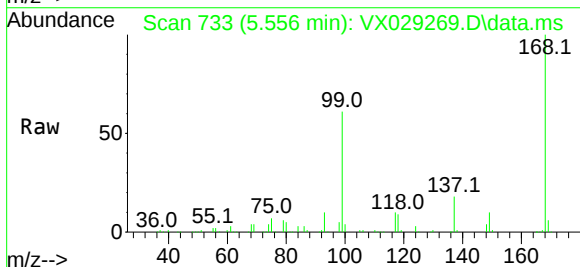
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220531

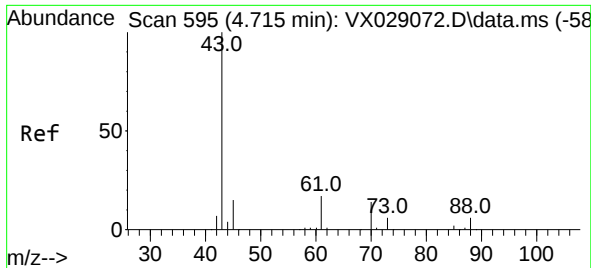
Tgt Ion:113 Resp: 191621
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 18.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.874 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

Tgt Ion: 75 Resp: 23948
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 127.268 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX029269.D

Acq: 07 Jun 2022 04:21

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20220531

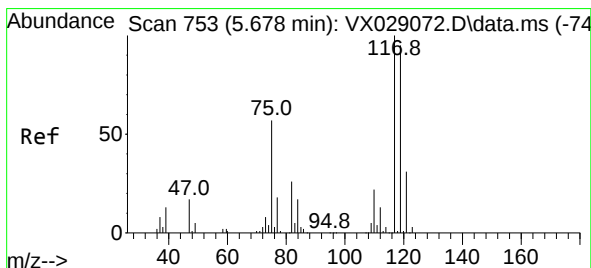
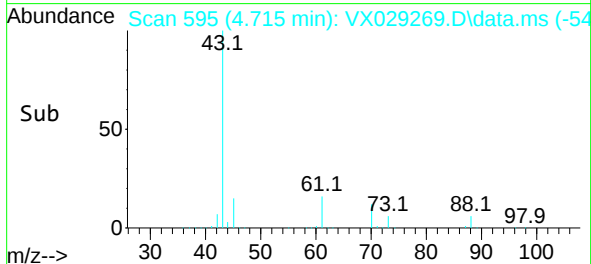
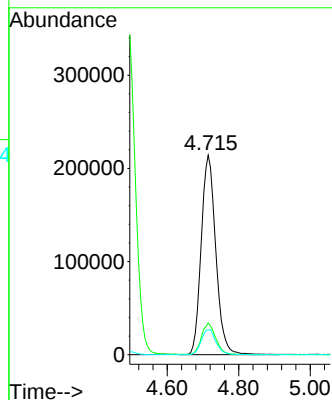
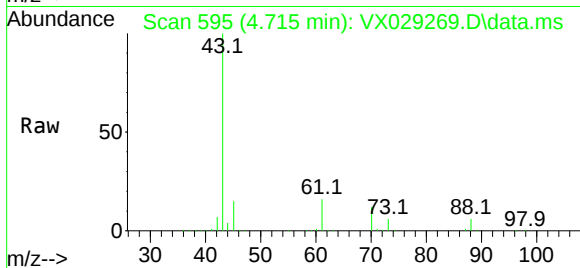
Tgt Ion: 43 Resp: 606029

Ion Ratio Lower Upper

43 100

61 15.3 12.6 19.0

70 12.8 10.2 15.2



#38

Carbon Tetrachloride

Concen: 5.743 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX029269.D

Acq: 07 Jun 2022 04:21

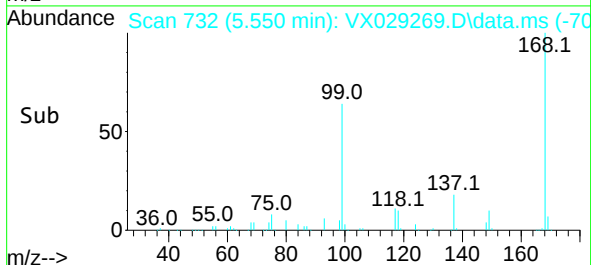
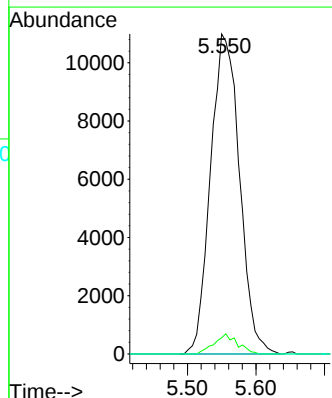
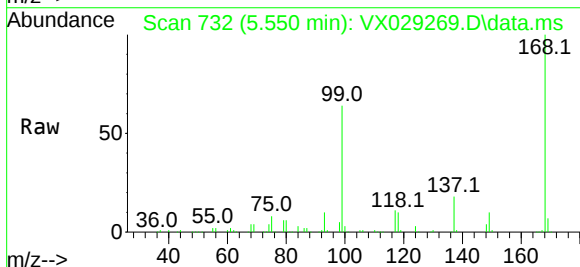
Tgt Ion: 117 Resp: 32250

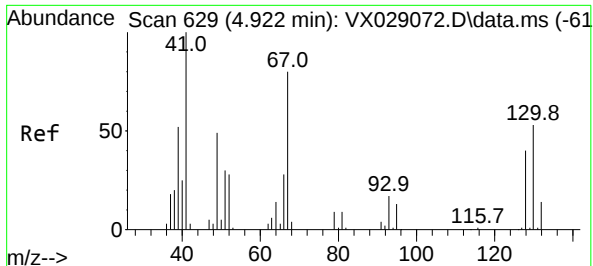
Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

121 0.0 24.2 36.2#

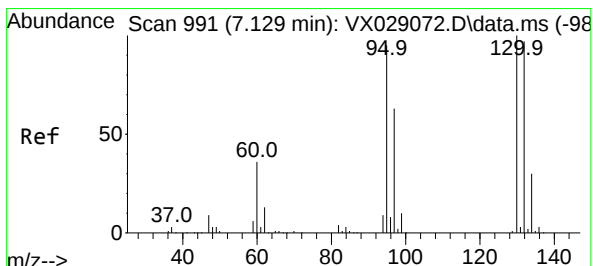
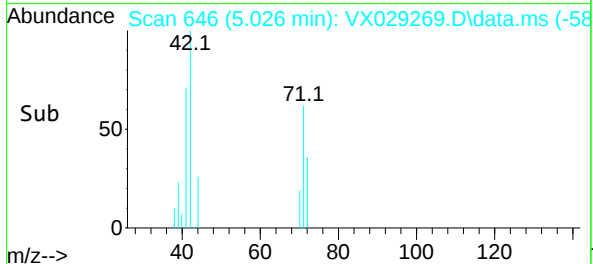
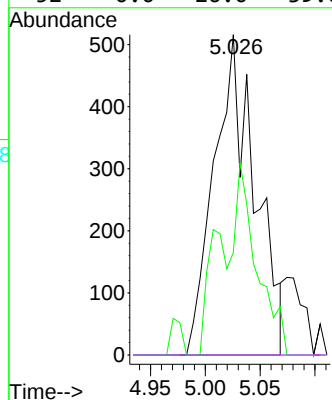
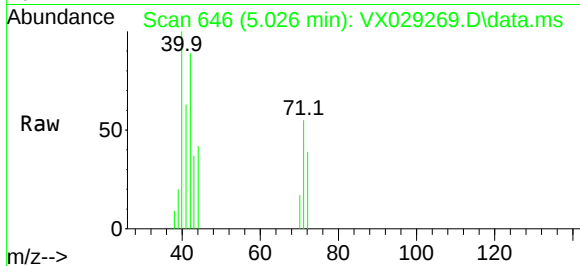




#41
Methacrylonitrile
Concen: 0.518 ug/l
RT: 5.026 min Scan# 641
Delta R.T. 0.104 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

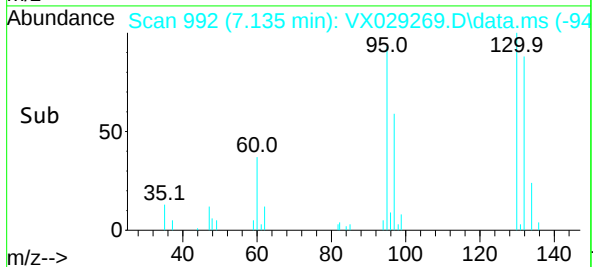
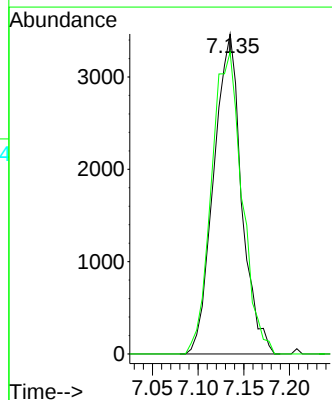
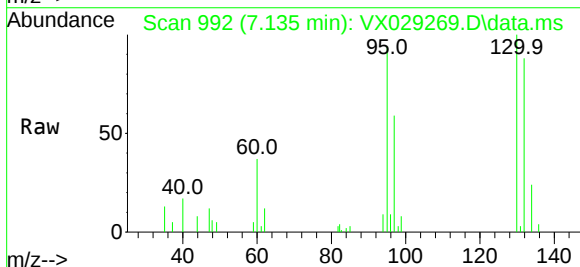
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220531

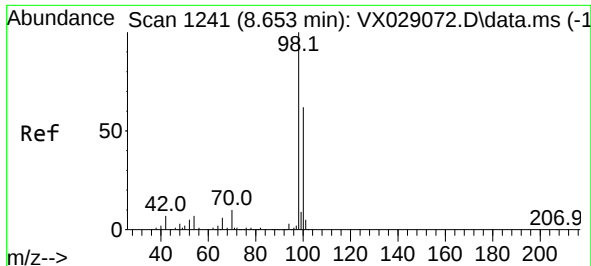
Tgt Ion: 41 Resp: 1333
Ion Ratio Lower Upper
41 100
39 33.7 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#



#44
Trichloroethene
Concen: 1.016 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

Tgt Ion:130 Resp: 7350
Ion Ratio Lower Upper
130 100
95 94.3 0.0 188.8

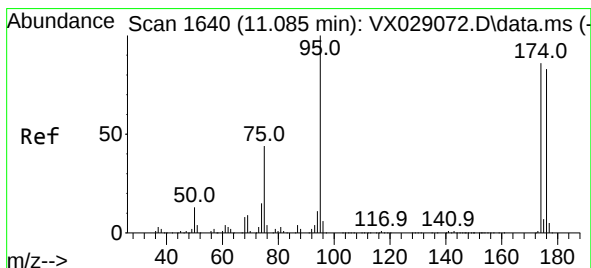
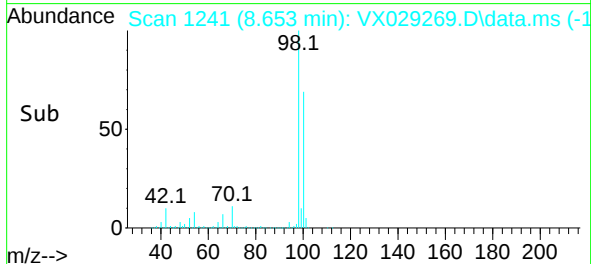
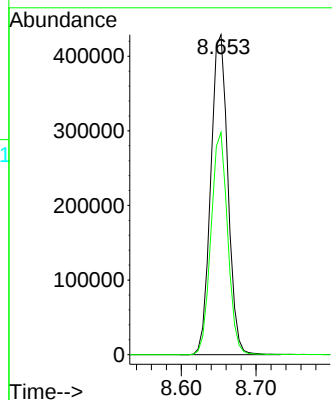
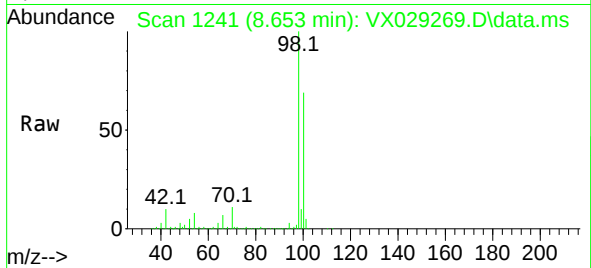




#50
Toluene-d8
Concen: 49.047 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

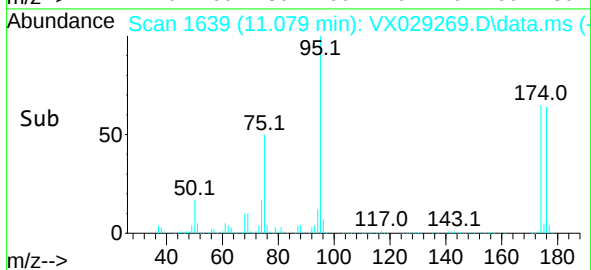
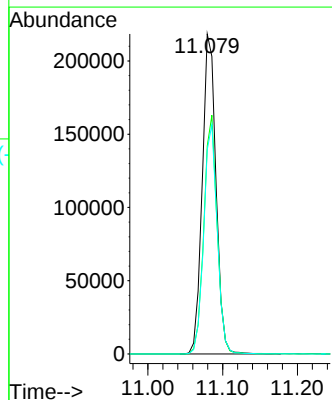
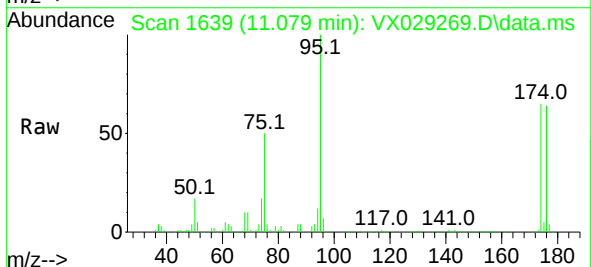
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220531

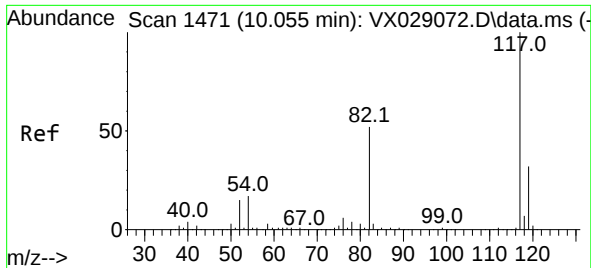
Tgt Ion: 98 Resp: 685001
Ion Ratio Lower Upper
98 100
100 67.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 51.569 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

Tgt Ion: 95 Resp: 278404
Ion Ratio Lower Upper
95 100
174 71.8 0.0 163.0
176 70.0 0.0 155.0

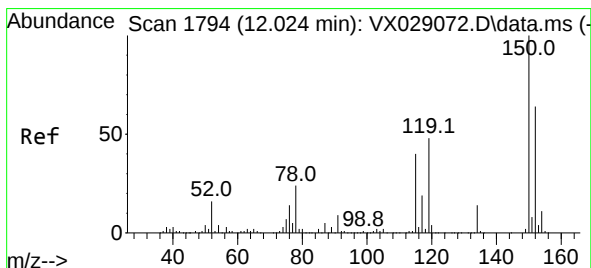
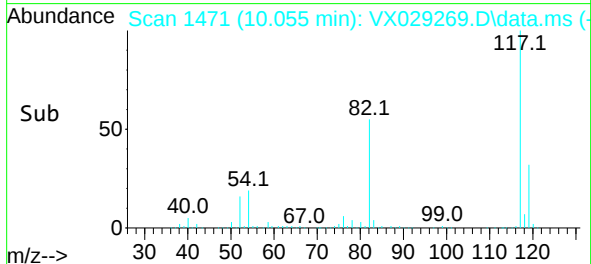
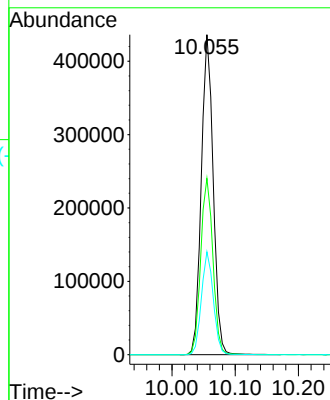
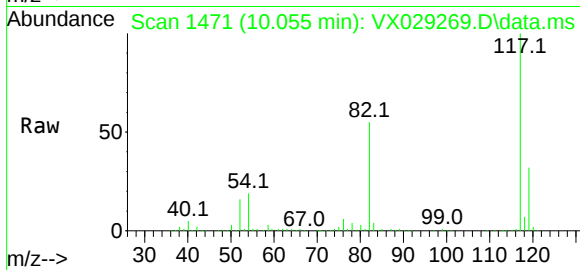




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

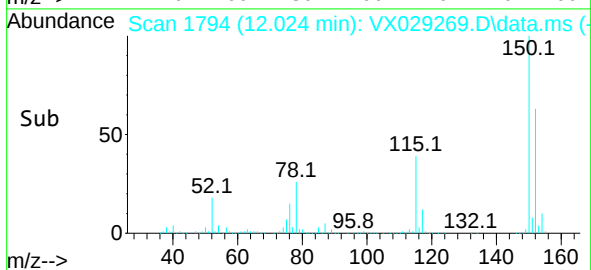
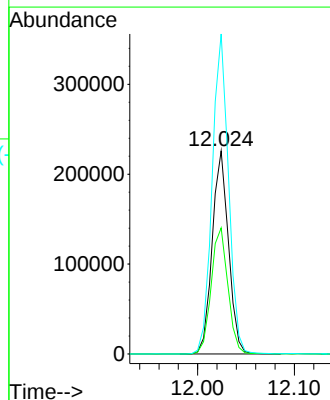
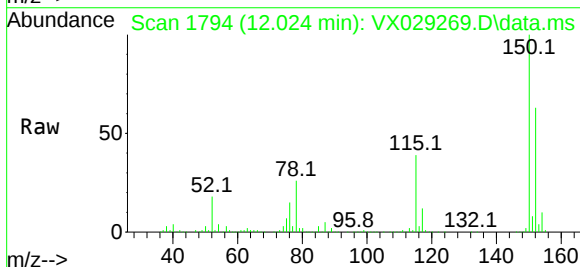
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220531

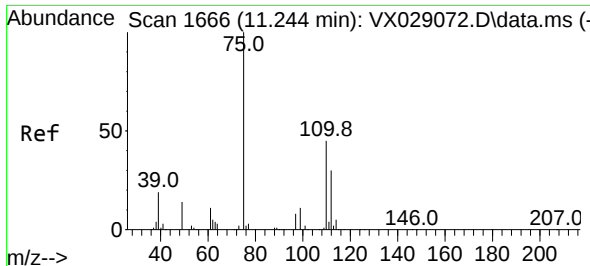
Tgt Ion:117 Resp: 571455
Ion Ratio Lower Upper
117 100
82 55.1 41.8 62.8
119 32.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

Tgt Ion:152 Resp: 264265
Ion Ratio Lower Upper
152 100
115 63.8 37.5 112.7
150 157.8 0.0 338.2

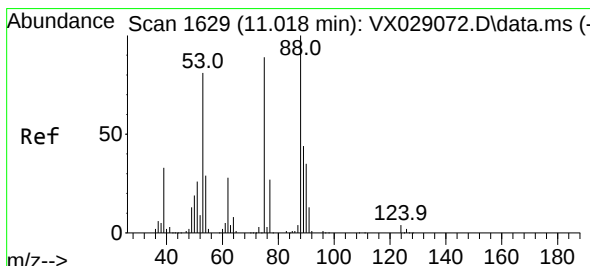
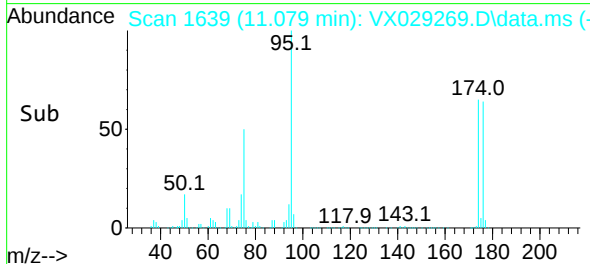
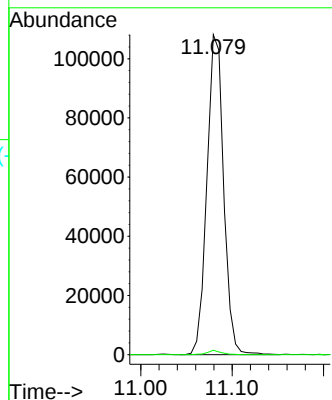
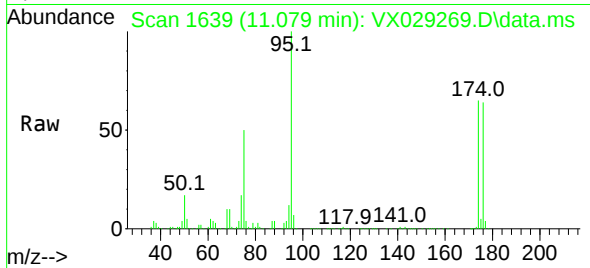




#76
1,2,3-Trichloropropane
Concen: 25.587 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20220531

Tgt Ion: 75 Resp: 137073
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.068 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029269.D
Acq: 07 Jun 2022 04:21

Tgt Ion: 75 Resp: 137073
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

