

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020822\
 Data File : VX026829.D
 Acq On : 08 Feb 2022 17:56
 Operator : JC/MD
 Sample : N1429-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 09 03:05:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

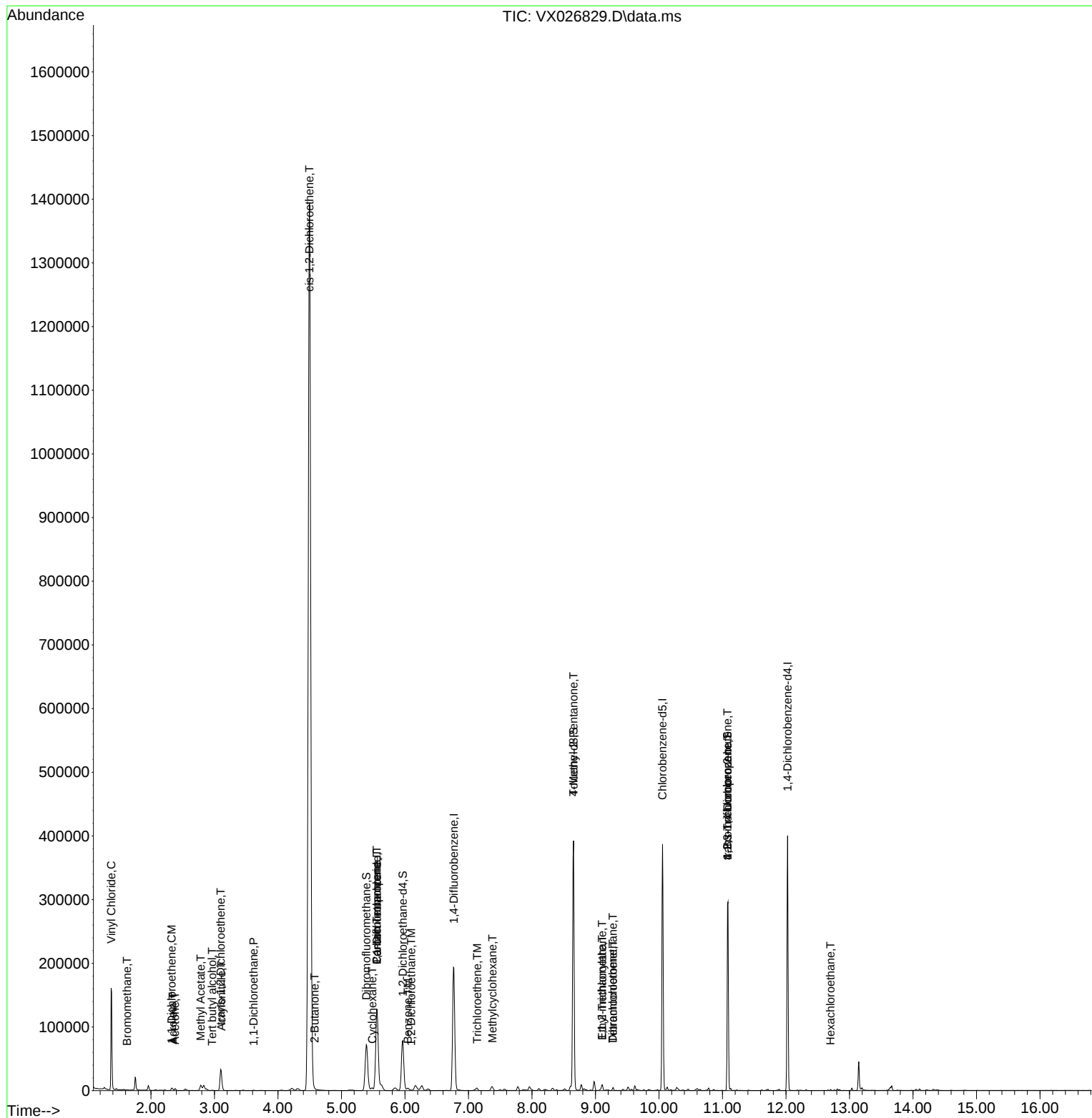
Internal Standards						
1) Pentafluorobenzene	5.556	168	120425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	201298	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	77280	53.459	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.920%	
35) Dibromofluoromethane	5.391	113	64096	53.445	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.880%	
50) Toluene-d8	8.653	98	231577	52.604	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.200%	
62) 4-Bromofluorobenzene	11.079	95	86140	55.578	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.160%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	98845	77.514	ug/l	99
5) Bromomethane	1.624	94	118	0.218	ug/l #	78
11) Tert butyl alcohol	2.965	59	550	2.106	ug/l #	75
12) 1,1-Dichloroethene	2.325	96	1067	0.866	ug/l #	91
13) Acrolein	2.343	56	264	1.094	ug/l #	66
15) Acrylonitrile	3.111	53	213	0.285	ug/l #	19
16) Acetone	2.380	43	3589	5.653	ug/l	99
18) Methyl Acetate	2.782	43	6275	3.435	ug/l #	53
21) trans-1,2-Dichloroethene	3.099	96	10155	7.830	ug/l	99
24) 1,1-Dichloroethane	3.617	63	675	0.284	ug/l #	81
25) 2-Butanone	4.574	43	402	0.393	ug/l #	50
27) cis-1,2-Dichloroethene	4.495	96	895942	601.688	ug/l	88
31) Cyclohexane	5.483	56	2819	1.227	ug/l #	96
36) 1,1-Dichloropropene	5.556	75	9091	4.805	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12305	6.202	ug/l #	16
39) Methylcyclohexane	7.379	83	1704	0.734	ug/l #	58
40) Benzene	6.044	78	4512	0.818	ug/l	98
42) 1,2-Dichloroethane	6.099	62	757	0.390	ug/l #	75
44) Trichloroethene	7.135	130	1519	0.917	ug/l	88
51) 4-Methyl-2-Pentanone	8.653	43	1500	0.748	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	3332	2.521	ug/l #	19
56) Ethyl methacrylate	9.104	69	835	0.399	ug/l #	1
60) Dibromochloromethane	9.275	129	771	0.567	ug/l #	11
64) Tetrachloroethene	9.275	164	804	0.453	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	41852	23.921	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	41852	73.110	ug/l #	3
90) Hexachloroethane	12.701	117	808	1.054	ug/l #	14

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

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MSVOA_X
ClientSampleId :

Quant Time: Feb 09 03:05:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 08 07:07:46 2022
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.006 min

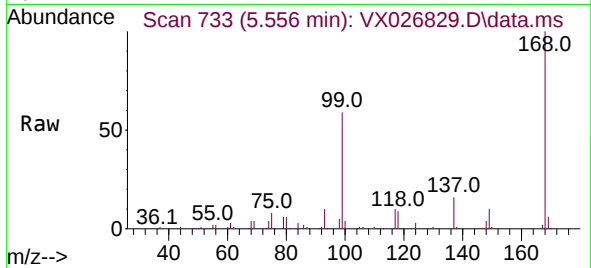
Lab File: VX026829.D

Acq: 08 Feb 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

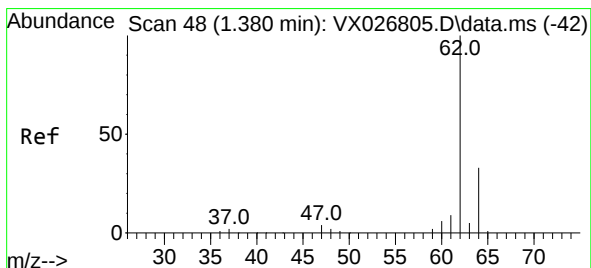
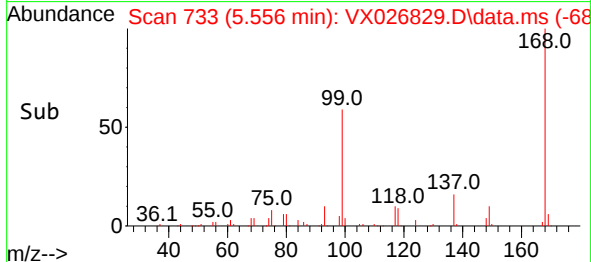
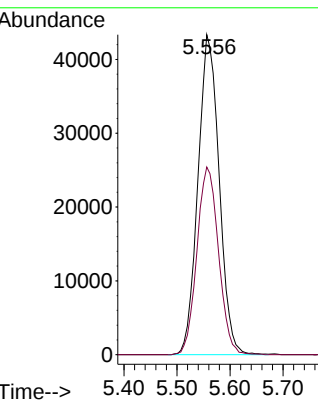


Tgt Ion:168 Resp: 120425

Ion Ratio Lower Upper

168 100

99 58.6 50.3 75.5



#4

Vinyl Chloride

Concen: 77.514 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.006 min

Lab File: VX026829.D

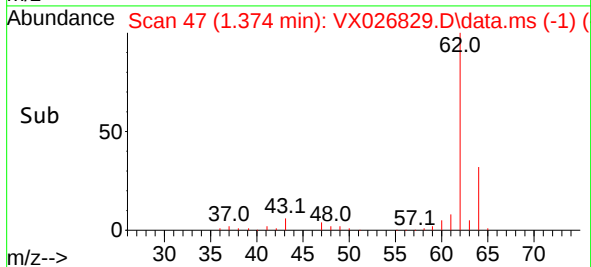
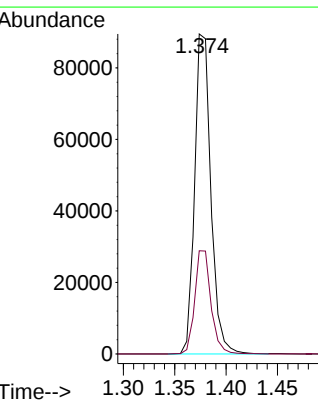
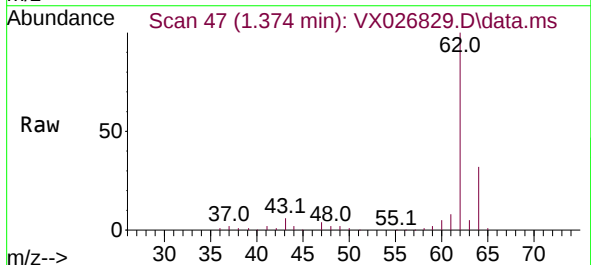
Acq: 08 Feb 2022 17:56

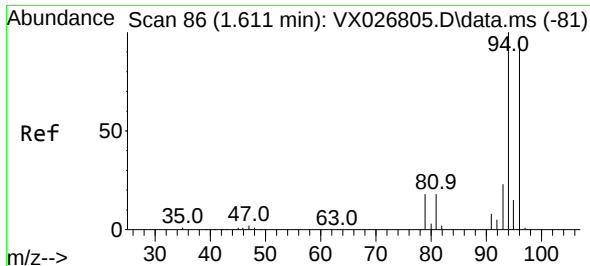
Tgt Ion: 62 Resp: 98845

Ion Ratio Lower Upper

62 100

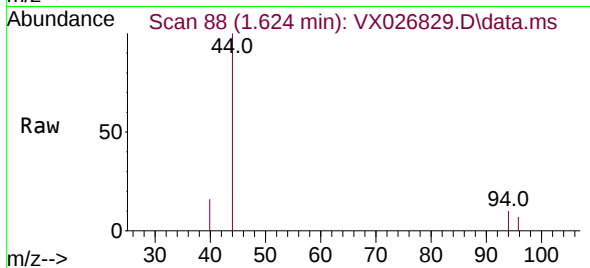
64 32.2 26.2 39.2



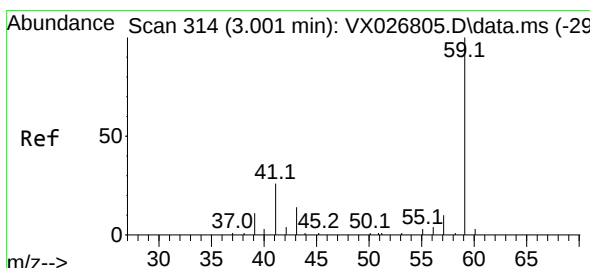
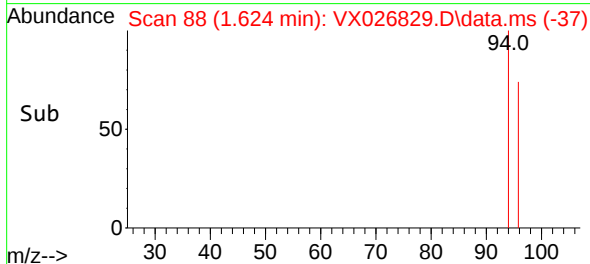
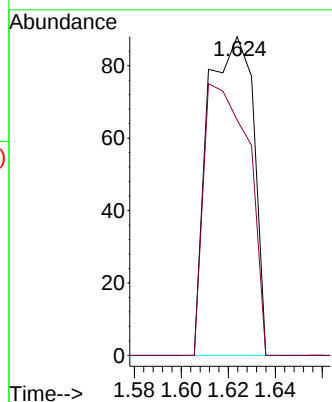


#5
Bromomethane
Concen: 0.218 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56

Instrument :
MSVOA_X
ClientSampleId :

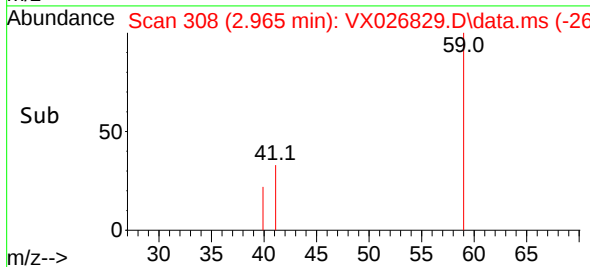
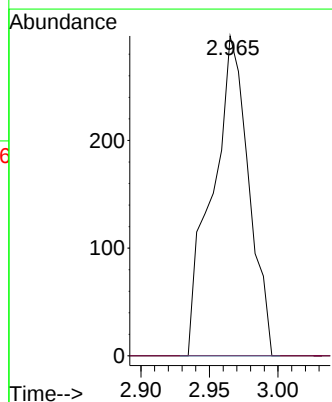
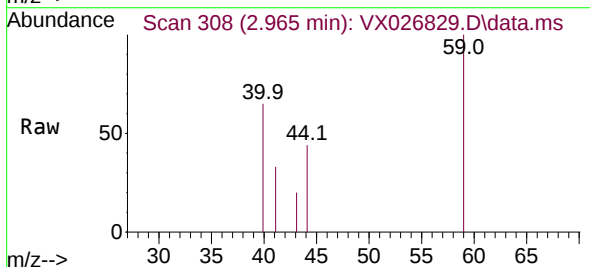


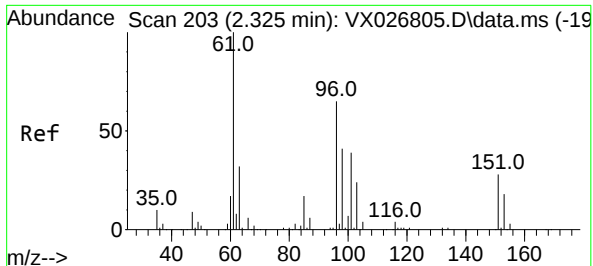
Tgt Ion: 94 Resp: 118
Ion Ratio Lower Upper
94 100
96 73.9 75.9 113.9#



#11
Tert butyl alcohol
Concen: 2.106 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.036 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56

Tgt Ion: 59 Resp: 550
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#12

1,1-Dichloroethene

Concen: 0.866 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX026829.D

Acq: 08 Feb 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

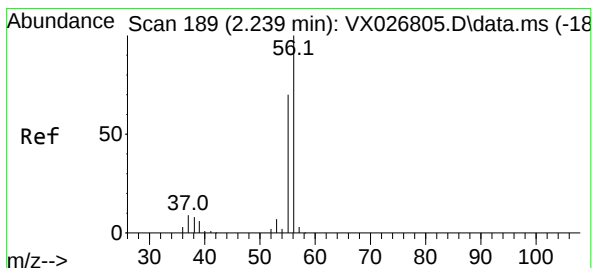
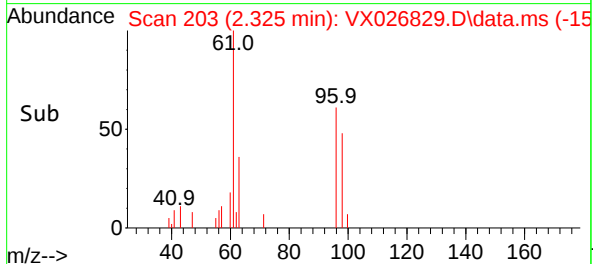
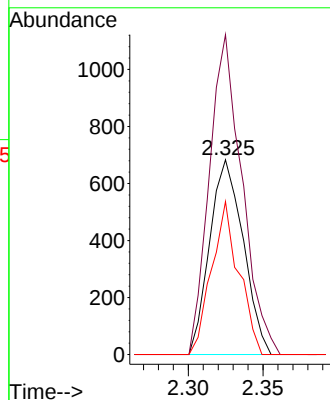
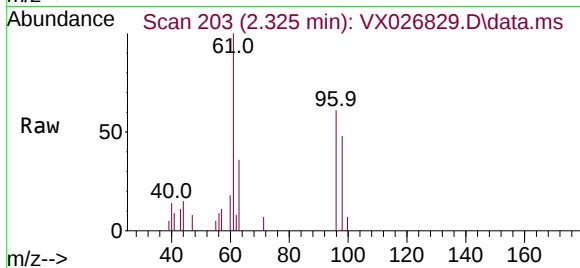
Tgt Ion: 96 Resp: 1067

Ion Ratio Lower Upper

96 100

61 164.3 138.5 207.7

98 78.6 51.8 77.6#



#13

Acrolein

Concen: 1.094 ug/l

RT: 2.343 min Scan# 206

Delta R.T. 0.104 min

Lab File: VX026829.D

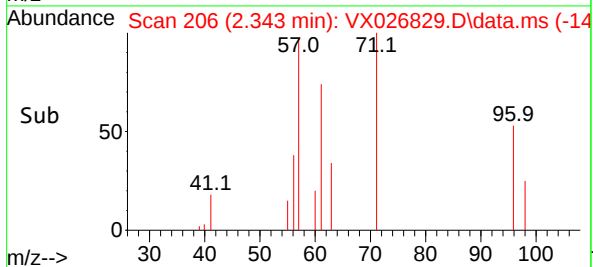
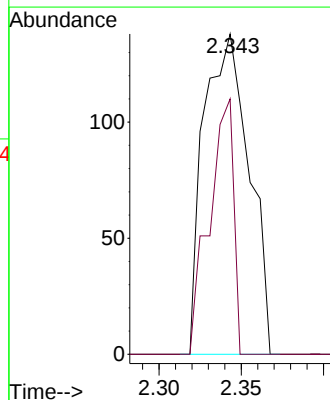
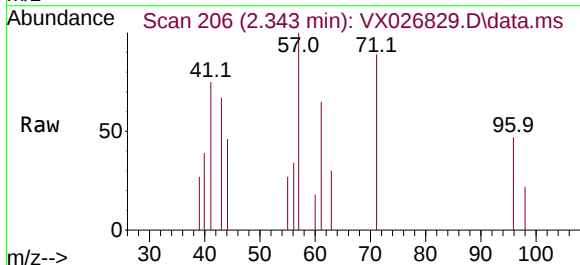
Acq: 08 Feb 2022 17:56

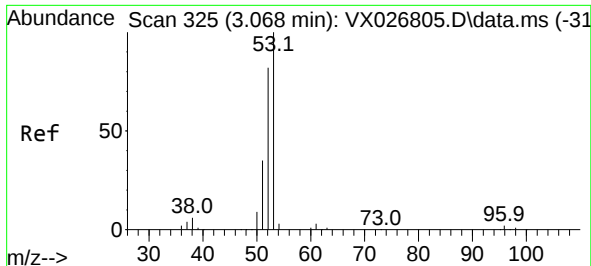
Tgt Ion: 56 Resp: 264

Ion Ratio Lower Upper

56 100

55 43.2 56.9 85.3#





#15

Acrylonitrile

Concen: 0.285 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.043 min

Lab File: VX026829.D

Acq: 08 Feb 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

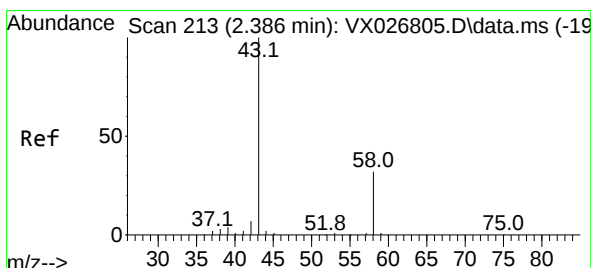
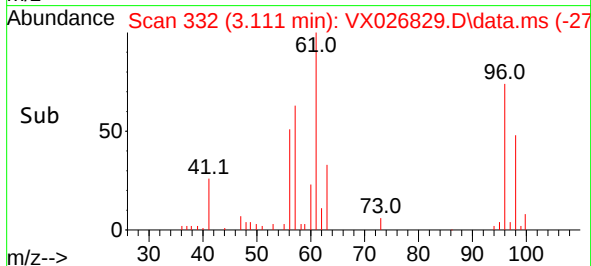
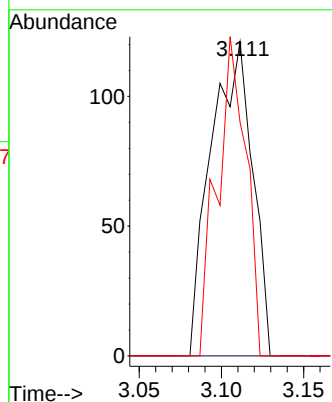
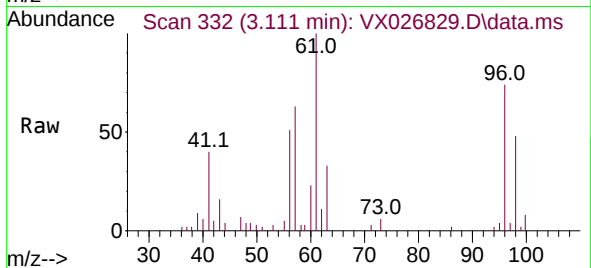
Tgt Ion: 53 Resp: 213

Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

51 70.4 29.5 44.3#



#16

Acetone

Concen: 5.653 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX026829.D

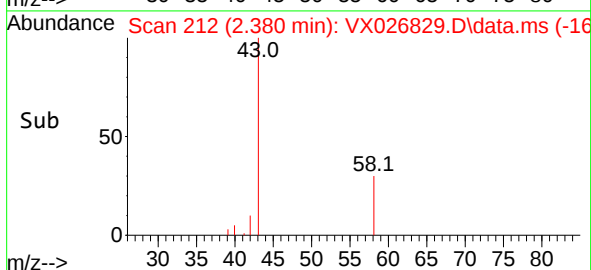
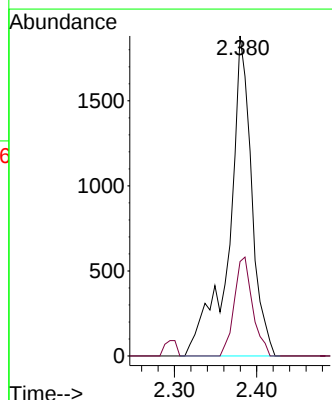
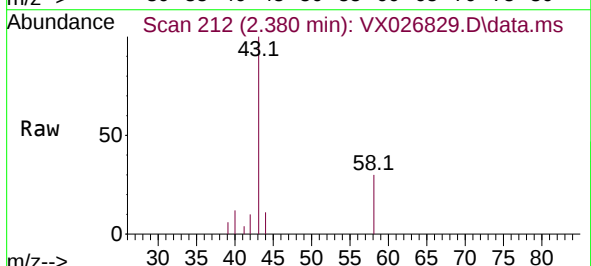
Acq: 08 Feb 2022 17:56

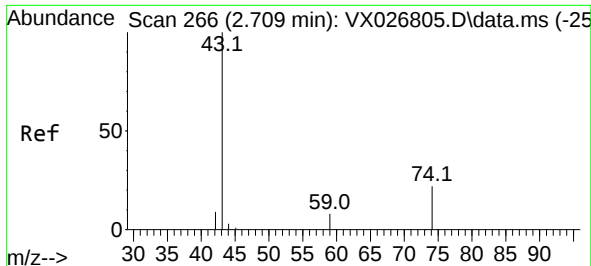
Tgt Ion: 43 Resp: 3589

Ion Ratio Lower Upper

43 100

58 29.5 23.0 34.6





#18

Methyl Acetate

Concen: 3.435 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.073 min

Lab File: VX026829.D

Acq: 08 Feb 2022 17:56

Instrument :

MSVOA_X

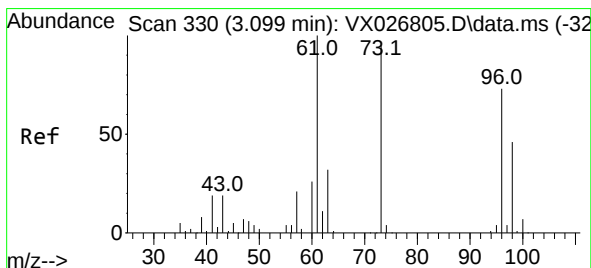
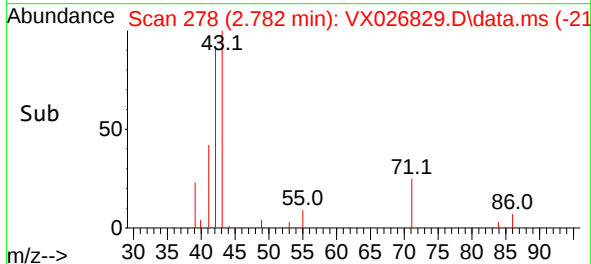
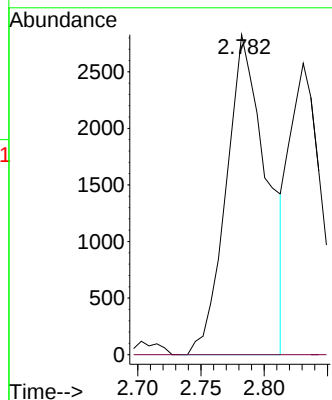
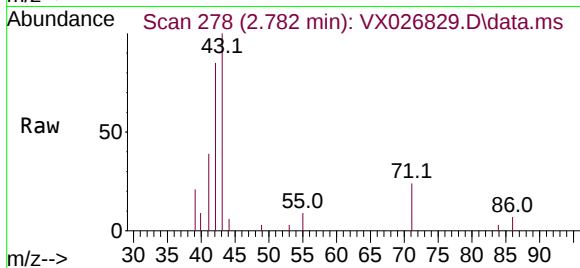
ClientSampleId :

Tgt Ion: 43 Resp: 6275

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#



#21

trans-1,2-Dichloroethene

Concen: 7.830 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.000 min

Lab File: VX026829.D

Acq: 08 Feb 2022 17:56

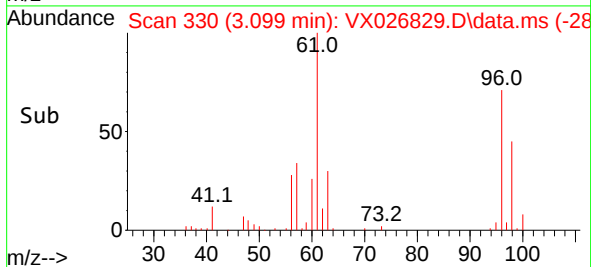
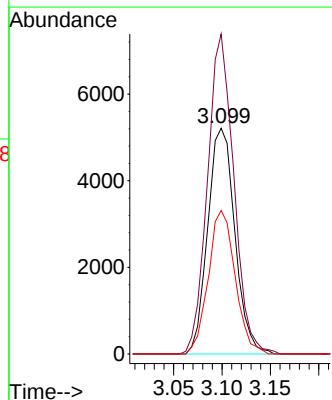
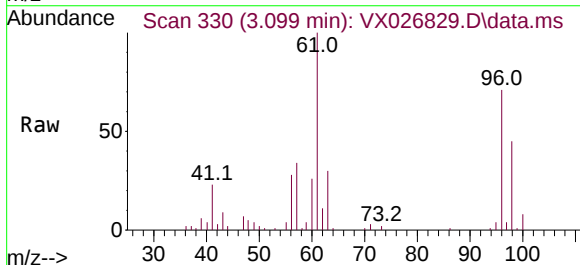
Tgt Ion: 96 Resp: 10155

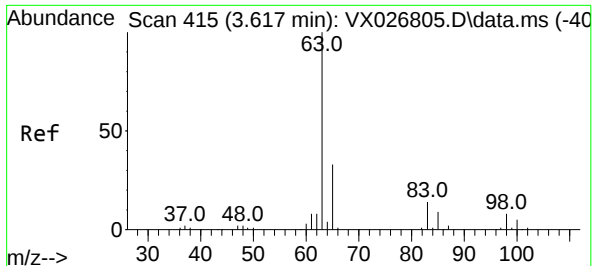
Ion Ratio Lower Upper

96 100

61 141.8 112.9 169.3

98 63.6 49.5 74.3

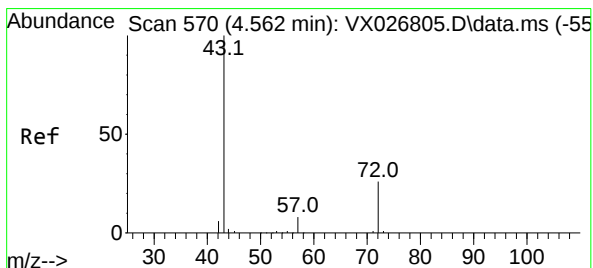
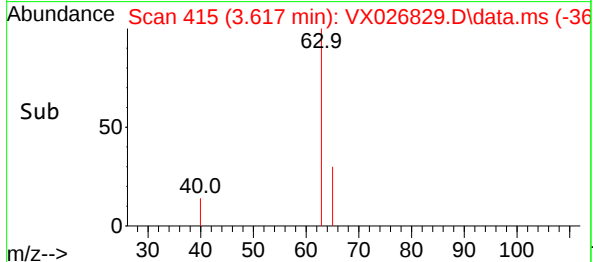
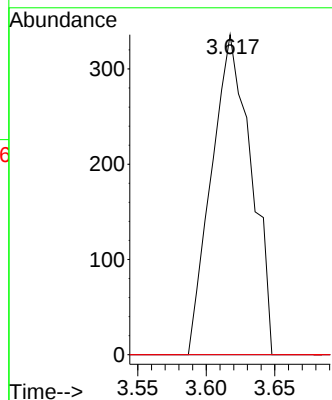
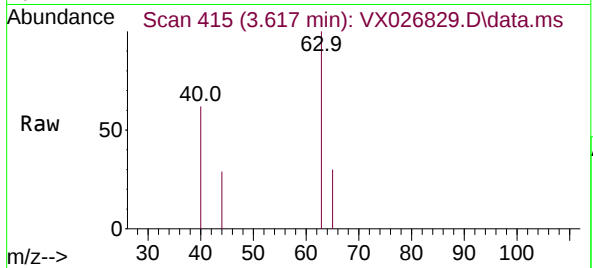




#24
1,1-Dichloroethane
Concen: 0.284 ug/l
RT: 3.617 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56

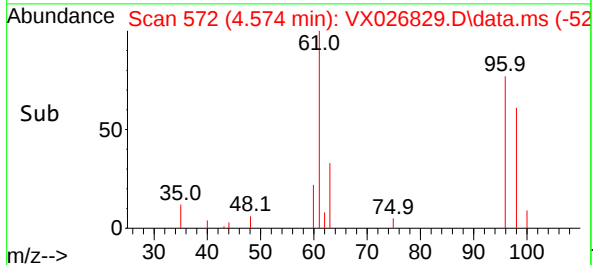
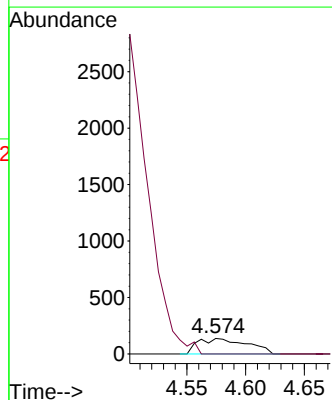
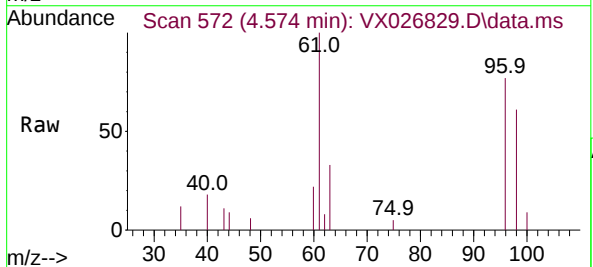
Instrument :
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ClientSampleId :

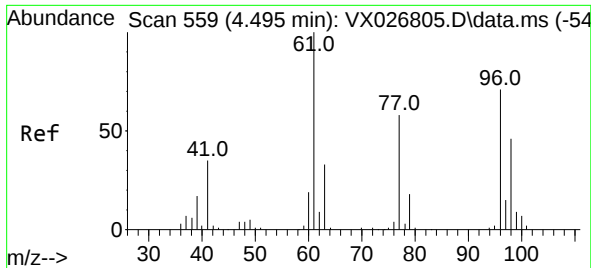
Tgt Ion: 63 Resp: 675
Ion Ratio Lower Upper
63 100
98 0.0 3.7 11.1#
100 0.0 2.4 7.2#



#25
2-Butanone
Concen: 0.393 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56

Tgt Ion: 43 Resp: 402
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#





#27

cis-1,2-Dichloroethene

Concen: 601.688 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX026829.D

Acq: 08 Feb 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

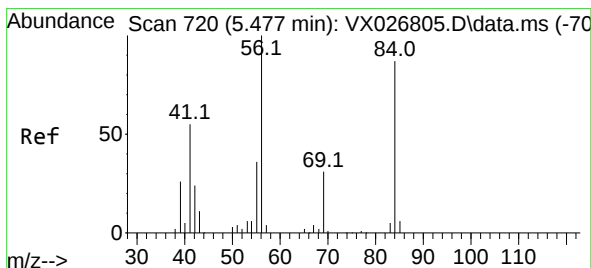
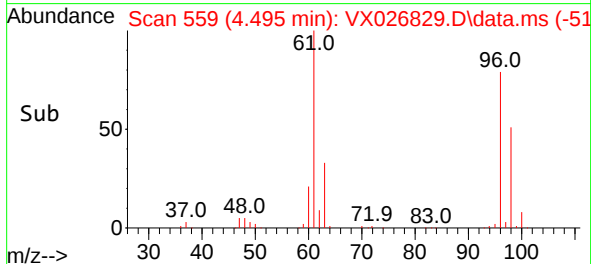
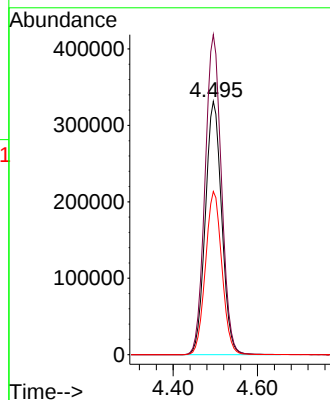
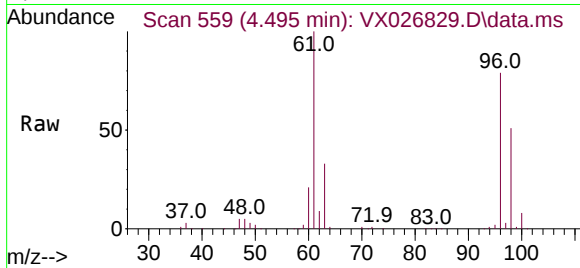
Tgt Ion: 96 Resp: 895942

Ion Ratio Lower Upper

96 100

61 126.5 0.0 296.6

98 64.6 0.0 128.8



#31

Cyclohexane

Concen: 1.227 ug/l

RT: 5.483 min Scan# 721

Delta R.T. 0.006 min

Lab File: VX026829.D

Acq: 08 Feb 2022 17:56

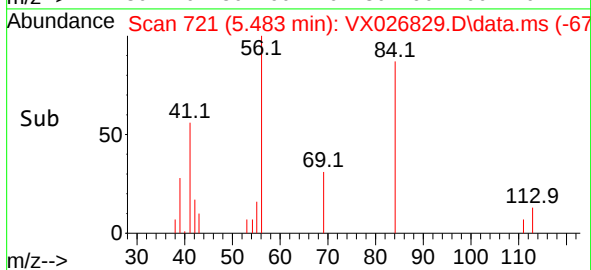
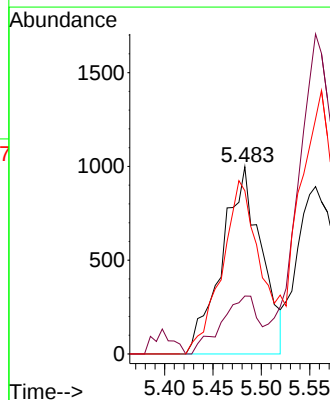
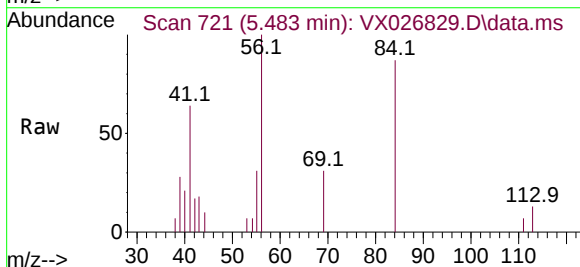
Tgt Ion: 56 Resp: 2819

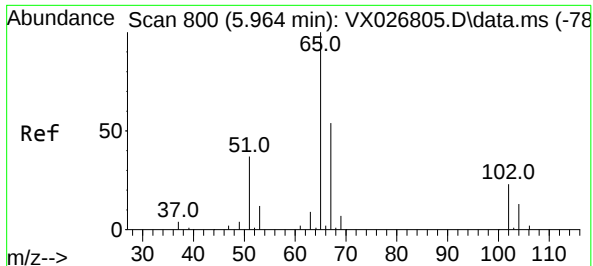
Ion Ratio Lower Upper

56 100

69 25.7 25.8 38.6#

84 87.2 68.9 103.3

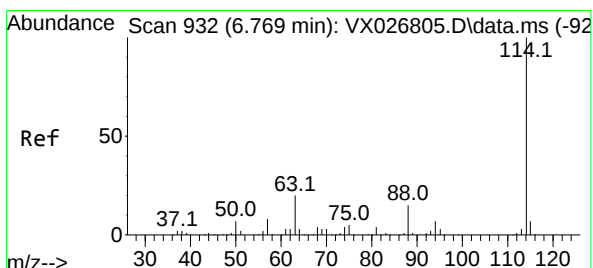
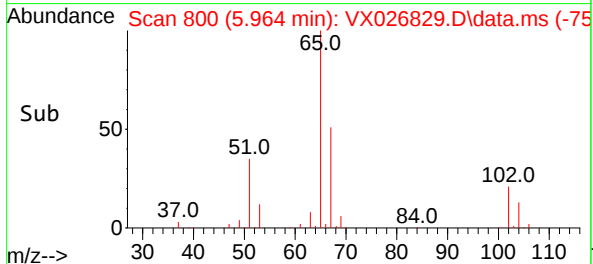
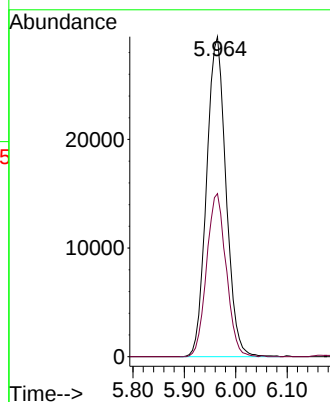
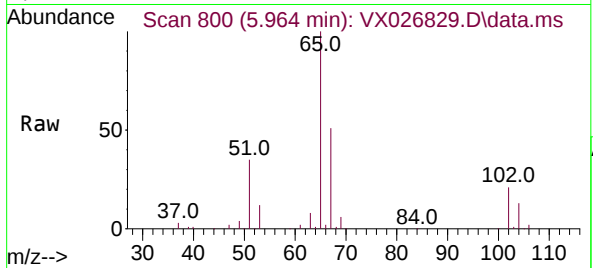




#33
 1,2-Dichloroethane-d4
 Concen: 53.459 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX026829.D
 Acq: 08 Feb 2022 17:56

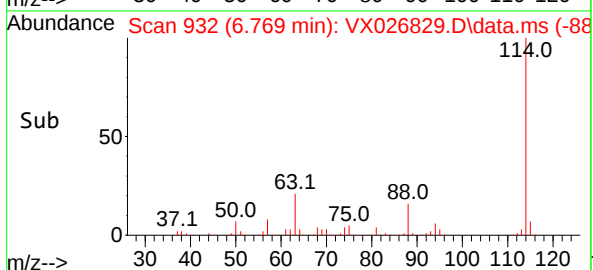
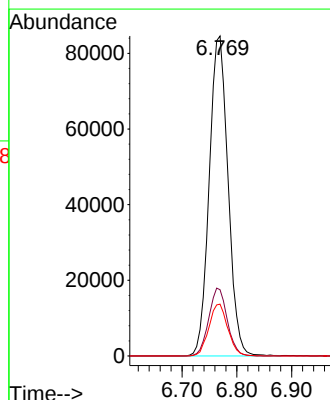
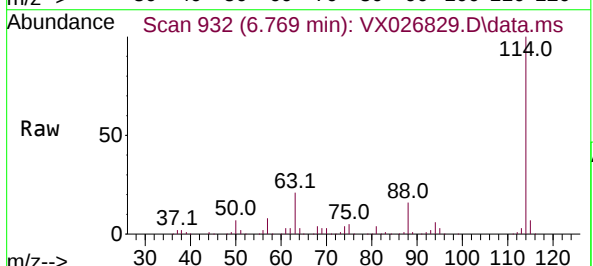
Instrument :
 MSVOA_X
 ClientSampleId :

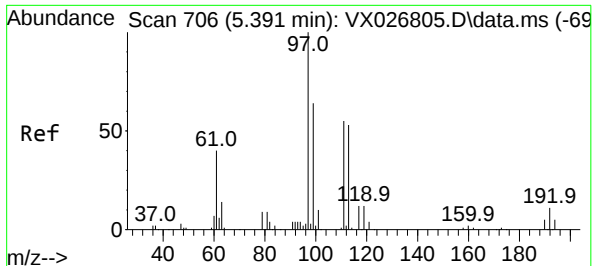
Tgt Ion: 65 Resp: 77280
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX026829.D
 Acq: 08 Feb 2022 17:56

Tgt Ion: 114 Resp: 201298
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.8
 88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 53.445 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

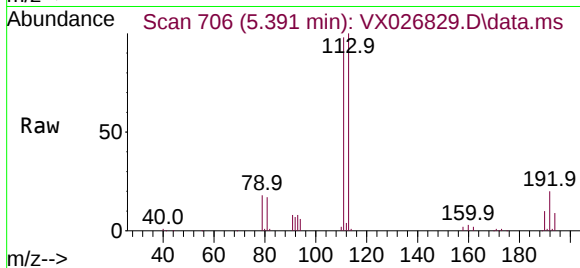
Lab File: VX026829.D

Acq: 08 Feb 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :



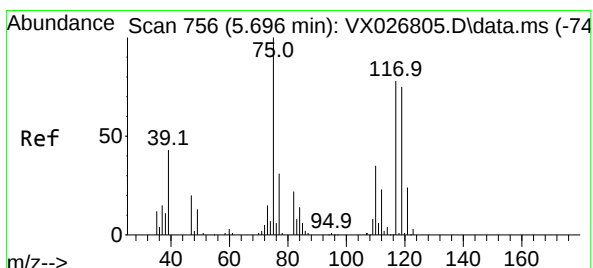
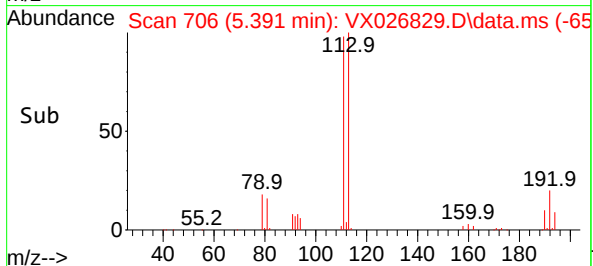
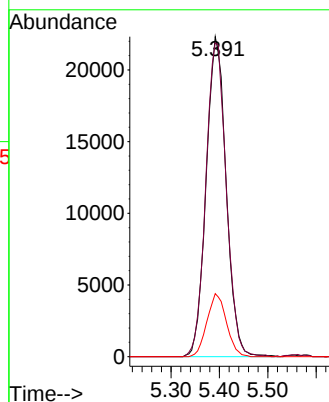
Tgt Ion:113 Resp: 64096

Ion Ratio Lower Upper

113 100

111 100.1 81.2 121.8

192 19.2 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.805 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX026829.D

Acq: 08 Feb 2022 17:56

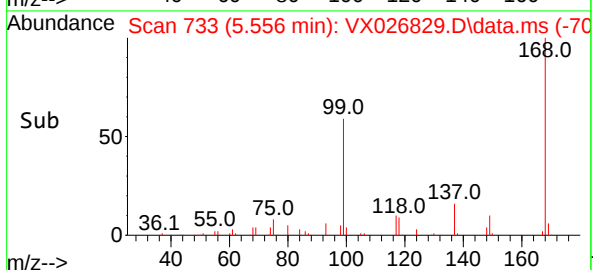
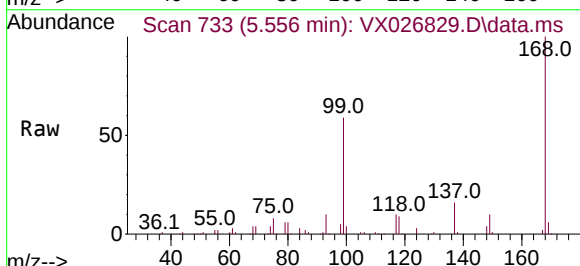
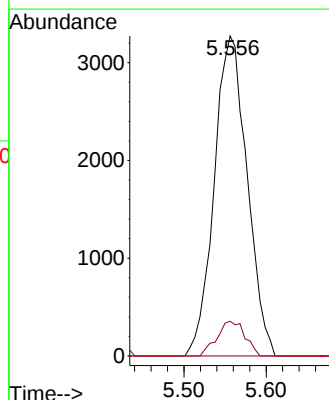
Tgt Ion: 75 Resp: 9091

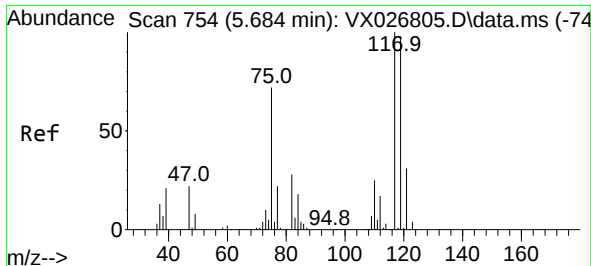
Ion Ratio Lower Upper

75 100

110 9.3 17.2 51.6#

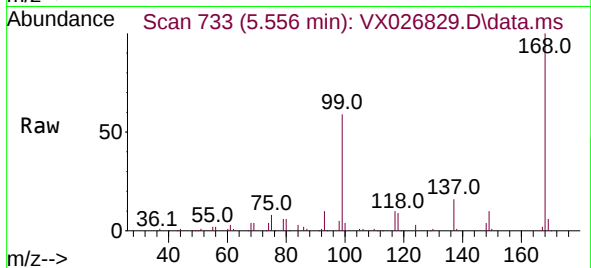
77 0.0 24.6 36.8#



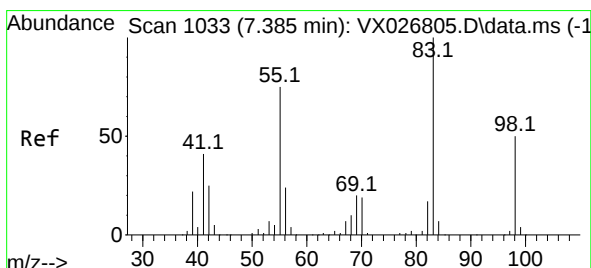
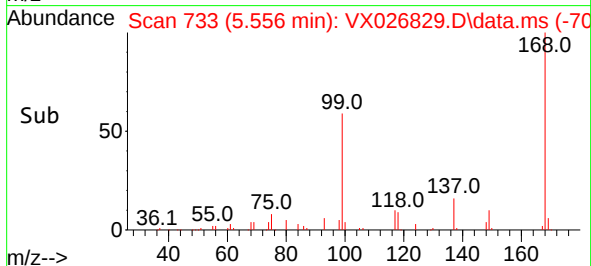
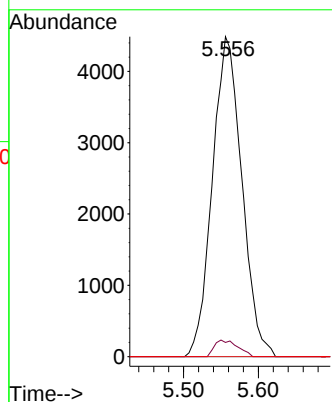


#38
Carbon Tetrachloride
Concen: 6.202 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56

Instrument :
MSVOA_X
ClientSampleId :

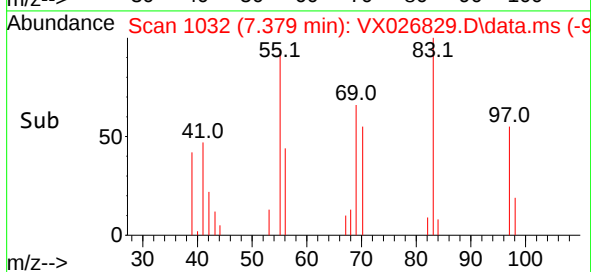
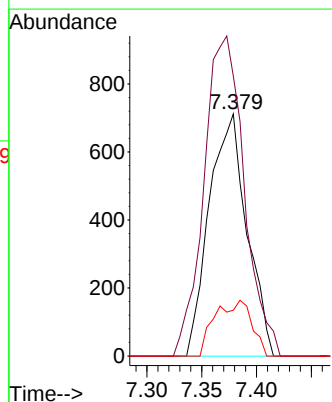
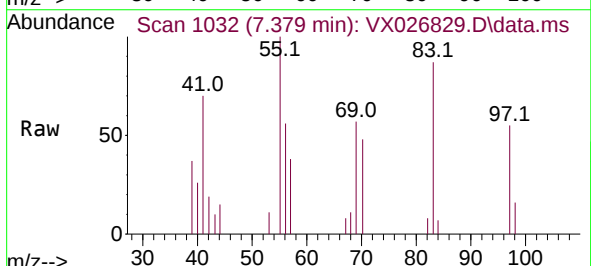


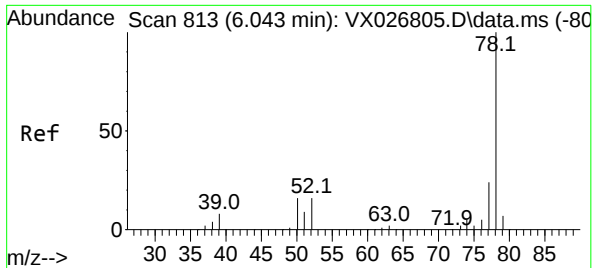
Tgt Ion:117 Resp: 12305
Ion Ratio Lower Upper
117 100
119 4.4 74.7 112.1#
121 0.0 25.4 38.0#



#39
Methylcyclohexane
Concen: 0.734 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56

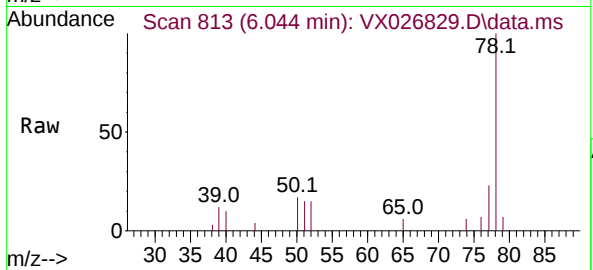
Tgt Ion: 83 Resp: 1704
Ion Ratio Lower Upper
83 100
55 115.6 63.6 95.4#
98 19.0 38.4 57.6#



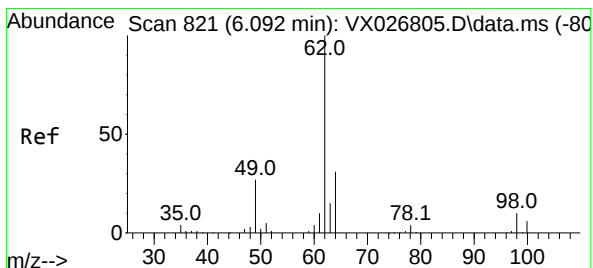
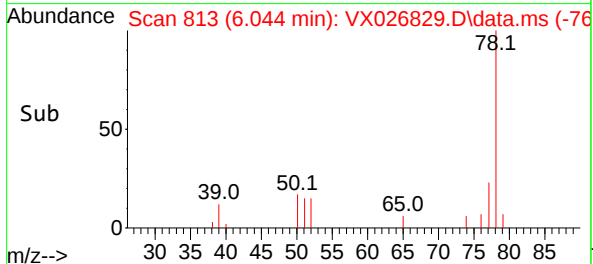
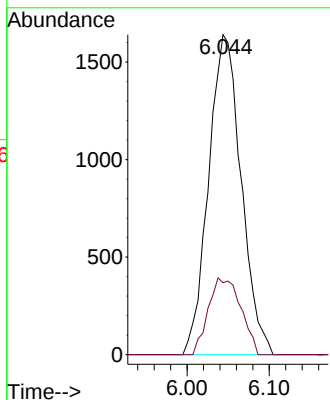


#40
Benzene
Concen: 0.818 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56

Instrument :
MSVOA_X
ClientSampleId :

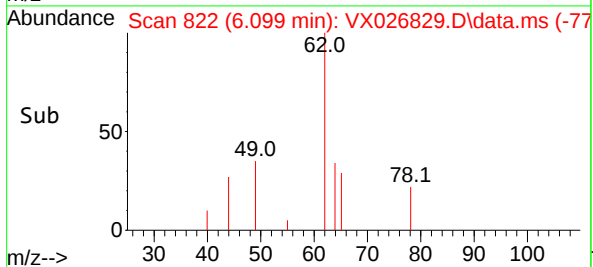
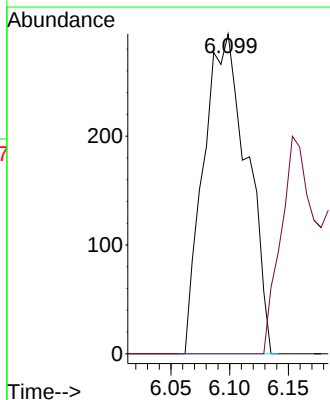
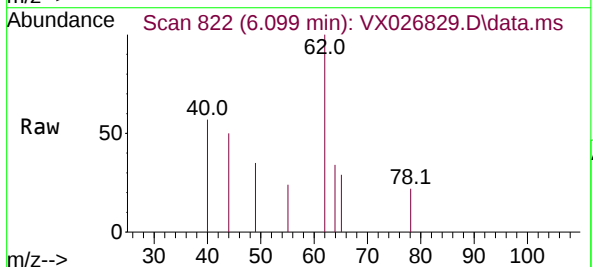


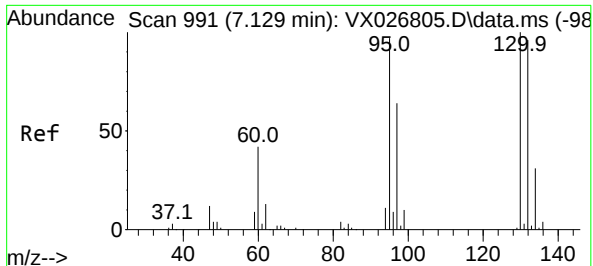
Tgt Ion: 78 Resp: 4512
Ion Ratio Lower Upper
78 100
77 22.5 18.9 28.3



#42
1,2-Dichloroethane
Concen: 0.390 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.006 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56

Tgt Ion: 62 Resp: 757
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.8





#44

Trichloroethene

Concen: 0.917 ug/l

RT: 7.135 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX026829.D

Acq: 08 Feb 2022 17:56

Instrument :

MSVOA_X

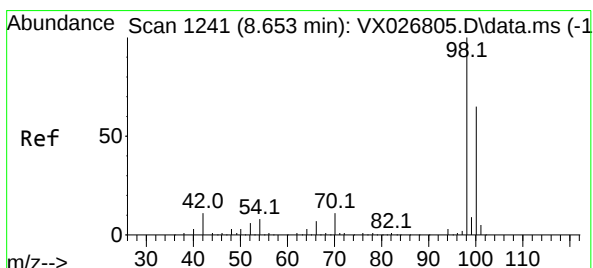
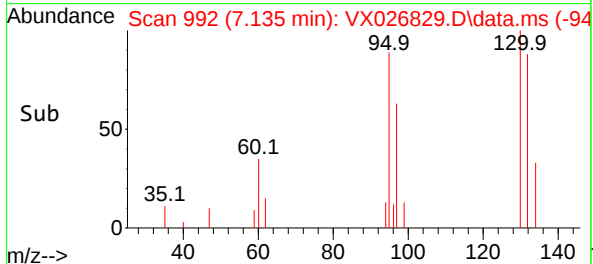
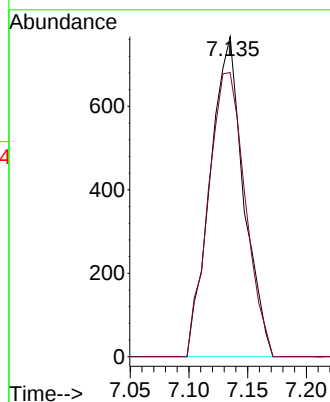
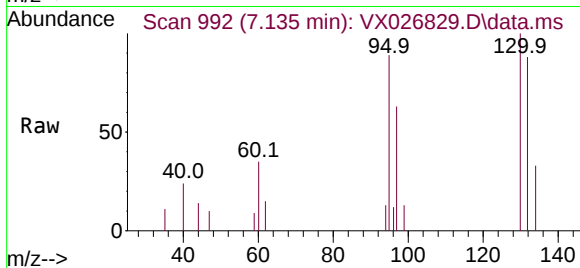
ClientSampleId :

Tgt Ion:130 Resp: 1519

Ion Ratio Lower Upper

130 100

95 88.8 0.0 202.6



#50

Toluene-d8

Concen: 52.604 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX026829.D

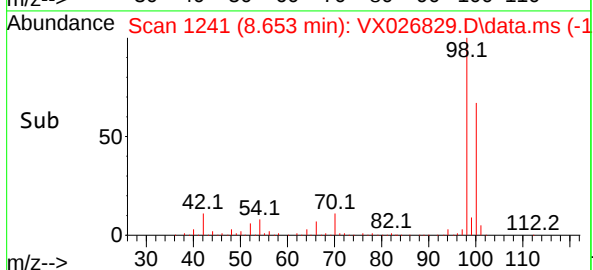
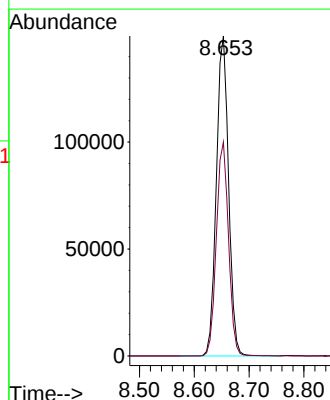
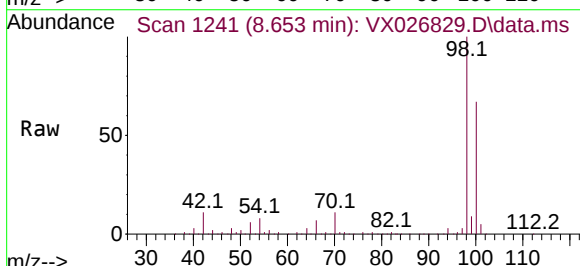
Acq: 08 Feb 2022 17:56

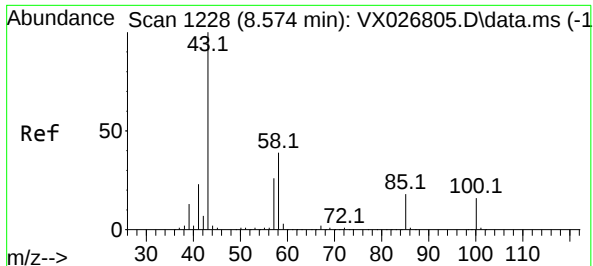
Tgt Ion: 98 Resp: 231577

Ion Ratio Lower Upper

98 100

100 66.6 53.2 79.8

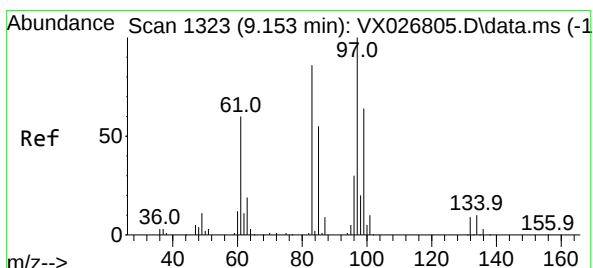
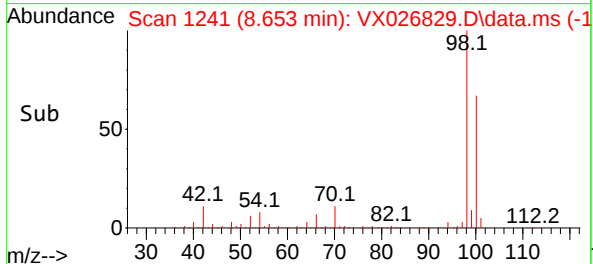
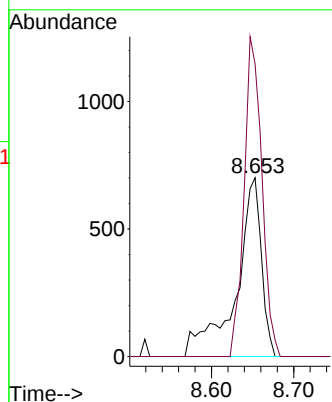
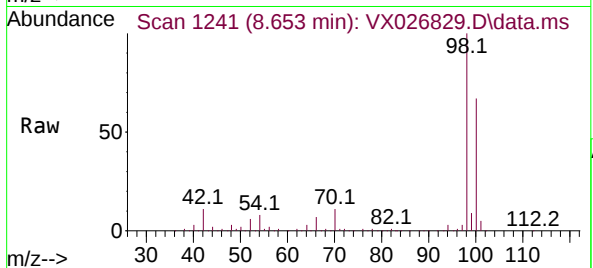




#51
4-Methyl-2-Pentanone
Concen: 0.748 ug/l
RT: 8.653 min Scan# 1315
Delta R.T. 0.079 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56

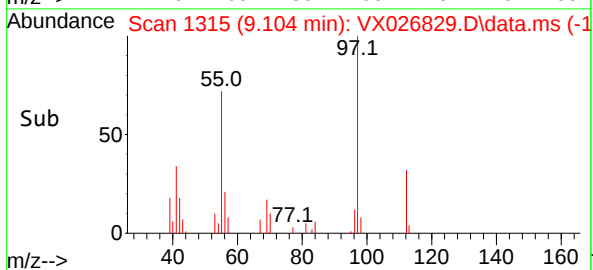
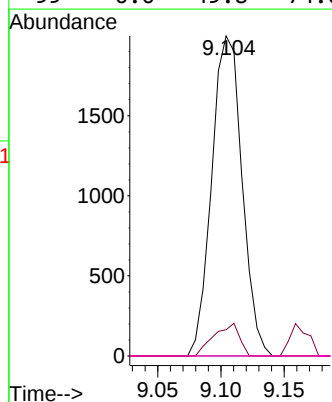
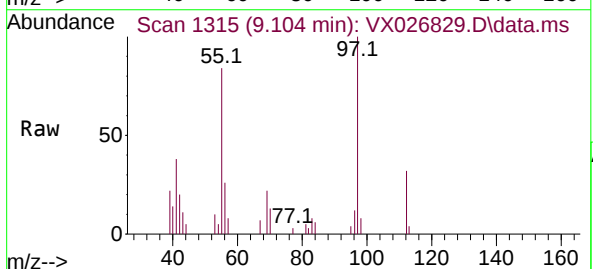
Instrument :
MSVOA_X
ClientSampleId :

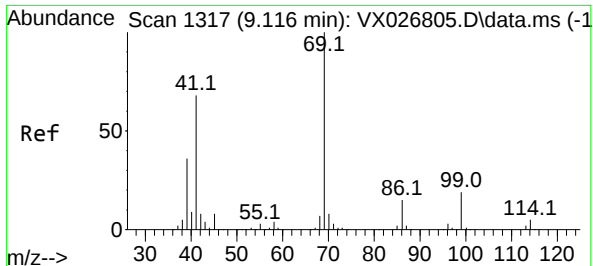
Tgt Ion: 43 Resp: 1500
Ion Ratio Lower Upper
43 100
58 125.3 30.5 45.7#



#55
1,1,2-Trichloroethane
Concen: 2.521 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56

Tgt Ion: 97 Resp: 3332
Ion Ratio Lower Upper
97 100
83 8.2 68.4 102.6#
85 0.0 44.0 66.0#
99 0.0 49.8 74.6#





#56

Ethyl methacrylate

Concen: 0.399 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.012 min

Lab File: VX026829.D

Acq: 08 Feb 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

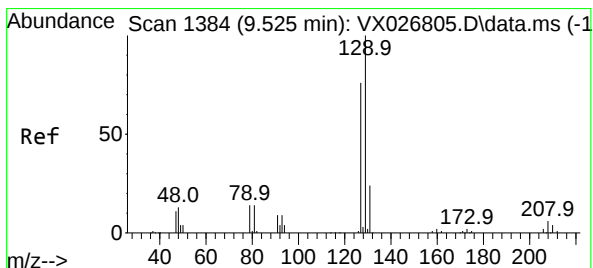
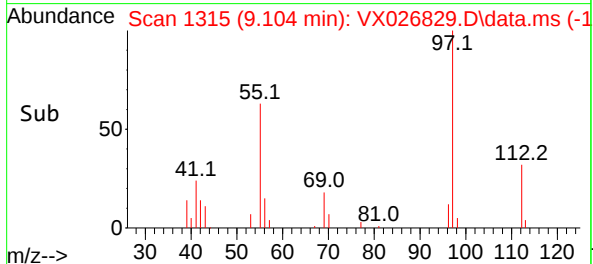
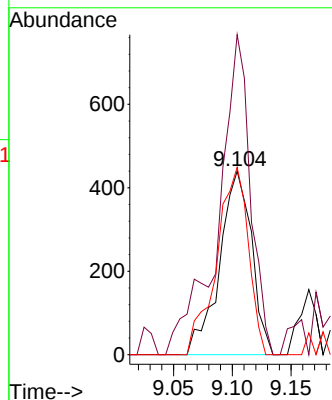
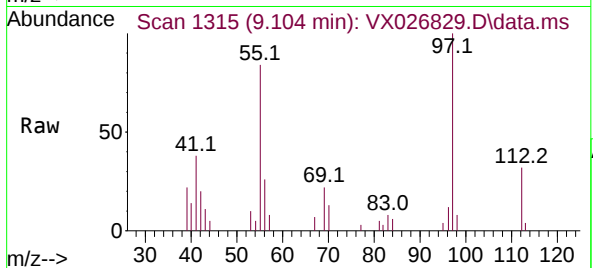
Tgt Ion: 69 Resp: 835

Ion Ratio Lower Upper

69 100

41 175.8 57.2 85.8#

39 101.2 30.9 46.3#



#60

Dibromochloromethane

Concen: 0.567 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX026829.D

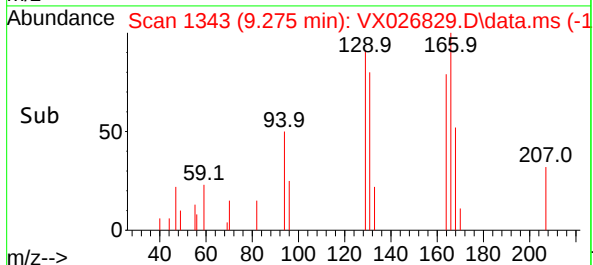
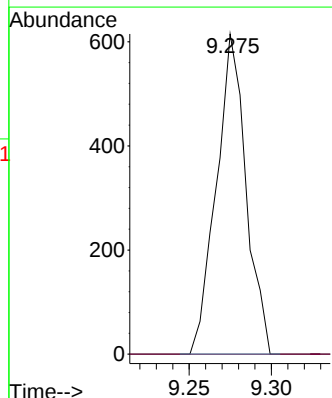
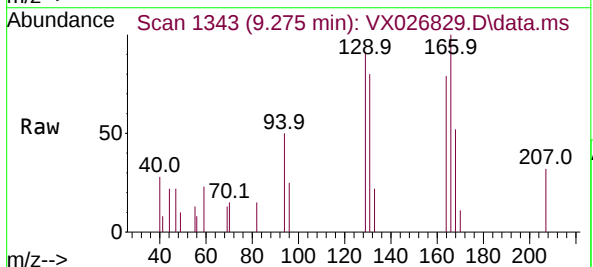
Acq: 08 Feb 2022 17:56

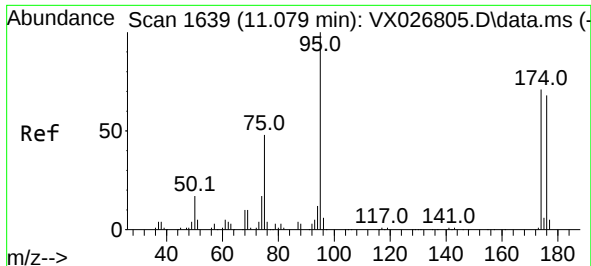
Tgt Ion: 129 Resp: 771

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 55.578 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX026829.D

Acq: 08 Feb 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

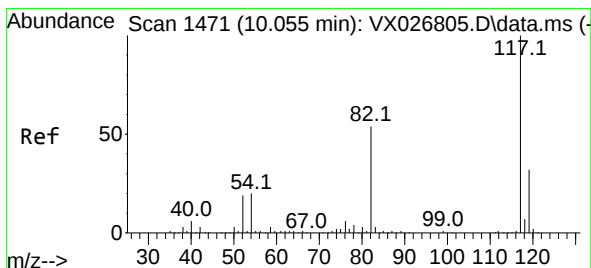
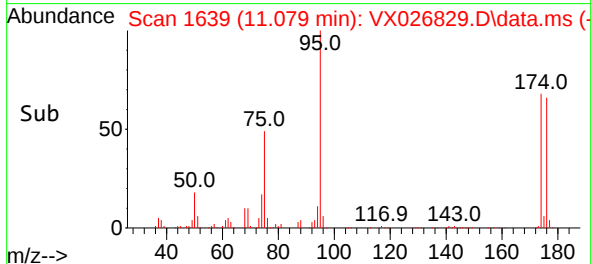
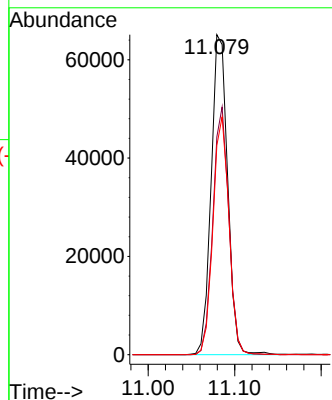
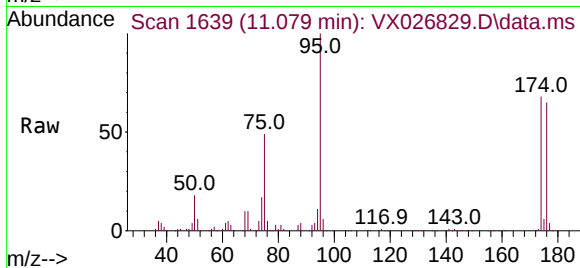
Tgt Ion: 95 Resp: 86140

Ion Ratio Lower Upper

95 100

174 74.6 0.0 148.6

176 72.1 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX026829.D

Acq: 08 Feb 2022 17:56

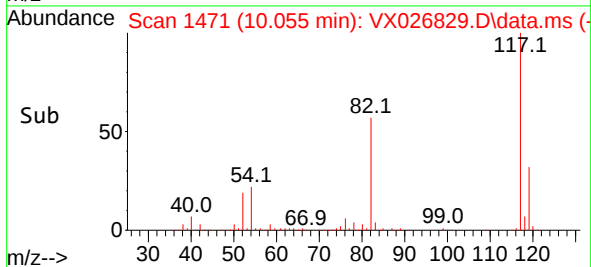
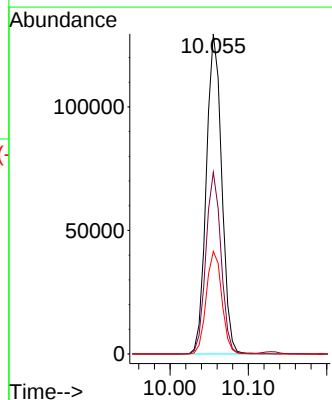
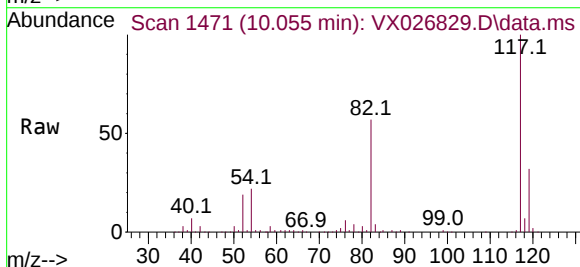
Tgt Ion: 117 Resp: 176772

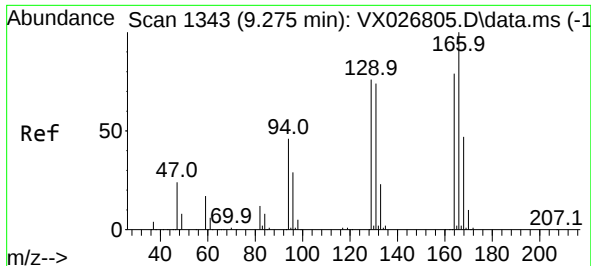
Ion Ratio Lower Upper

117 100

82 56.8 45.2 67.8

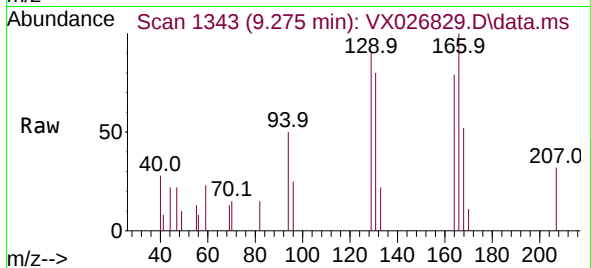
119 32.1 26.2 39.2



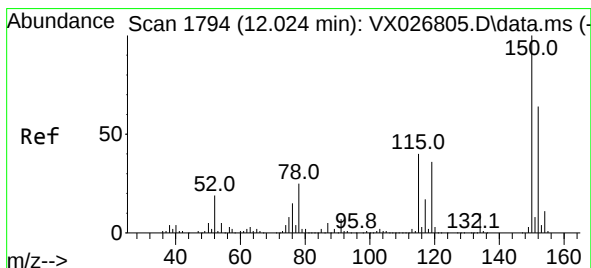
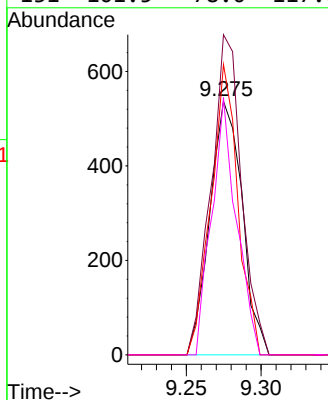
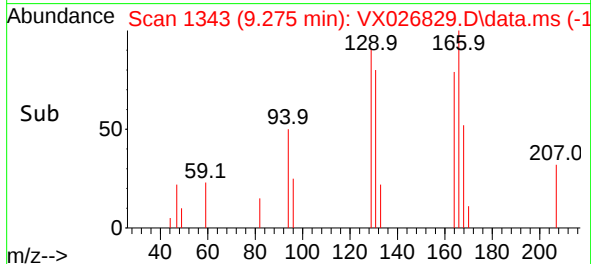


#64
Tetrachloroethene
Concen: 0.453 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56

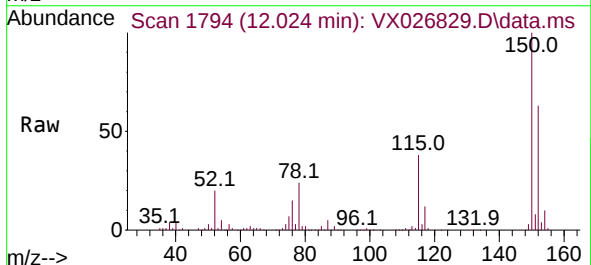
Instrument :
MSVOA_X
ClientSampleId :



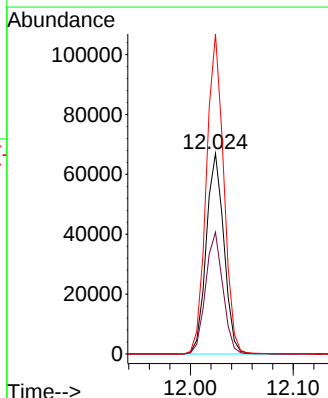
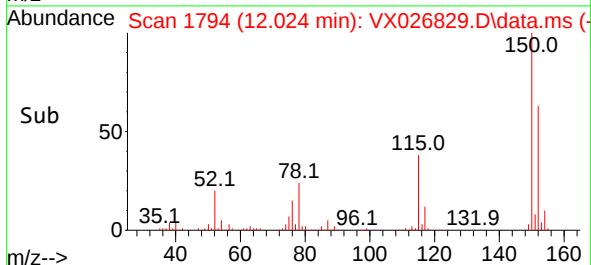
Tgt Ion:164 Resp: 804
Ion Ratio Lower Upper
164 100
166 126.3 101.8 152.6
129 114.5 83.3 124.9
131 101.5 78.0 117.0

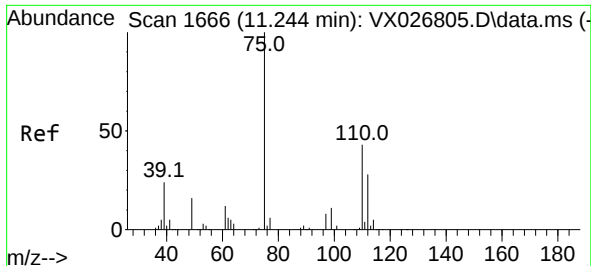


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56



Tgt Ion:152 Resp: 79926
Ion Ratio Lower Upper
152 100
115 59.6 44.2 132.6
150 157.3 0.0 348.2

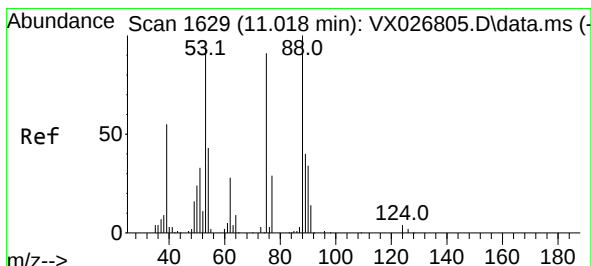
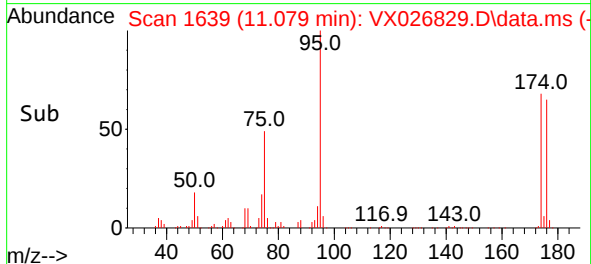
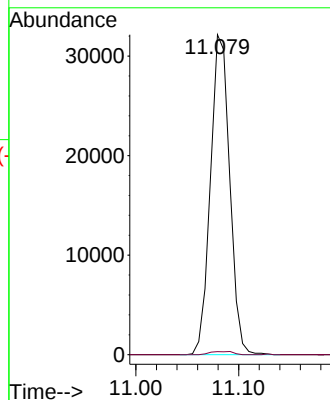
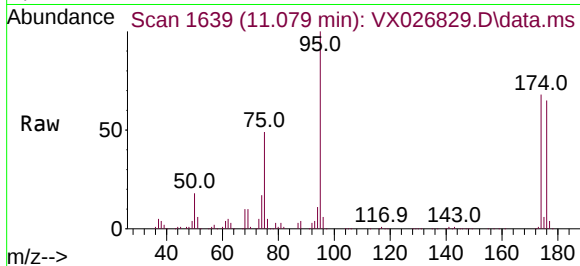




#76
1,2,3-Trichloropropane
Concen: 23.921 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56

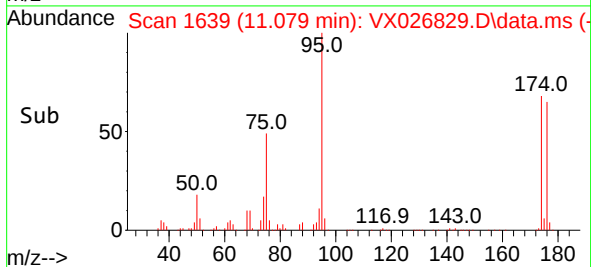
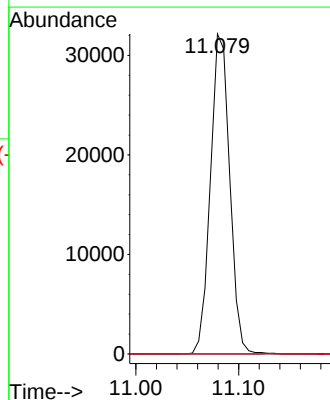
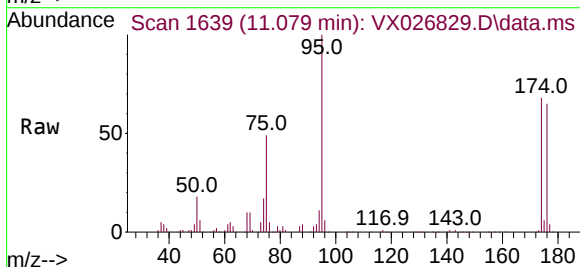
Instrument :
MSVOA_X
ClientSampleId :

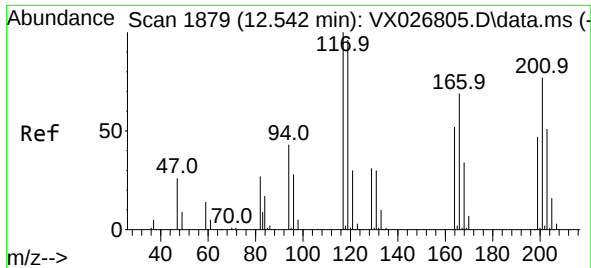
Tgt Ion: 75 Resp: 41852
Ion Ratio Lower Upper
75 100
77 1.2 18.3 54.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.110 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026829.D
Acq: 08 Feb 2022 17:56

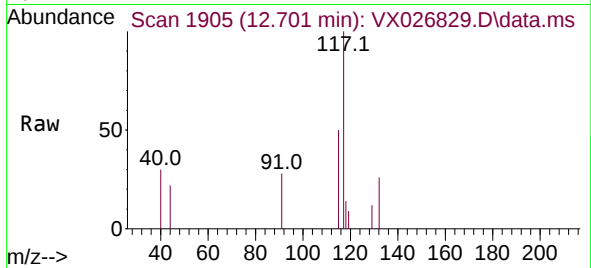
Tgt Ion: 75 Resp: 41852
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#





#90
 Hexachloroethane
 Concen: 1.054 ug/l
 RT: 12.701 min Scan# 1905
 Delta R.T. 0.159 min
 Lab File: VX026829.D
 Acq: 08 Feb 2022 17:56

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:117 Resp: 808
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.6 106.8#

