

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060622\
 Data File : VX029272.D
 Acq On : 07 Jun 2022 05:31
 Operator : JC/MD
 Sample : N3166-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 19BR-20220601

Quant Time: Jun 07 10:07:38 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)

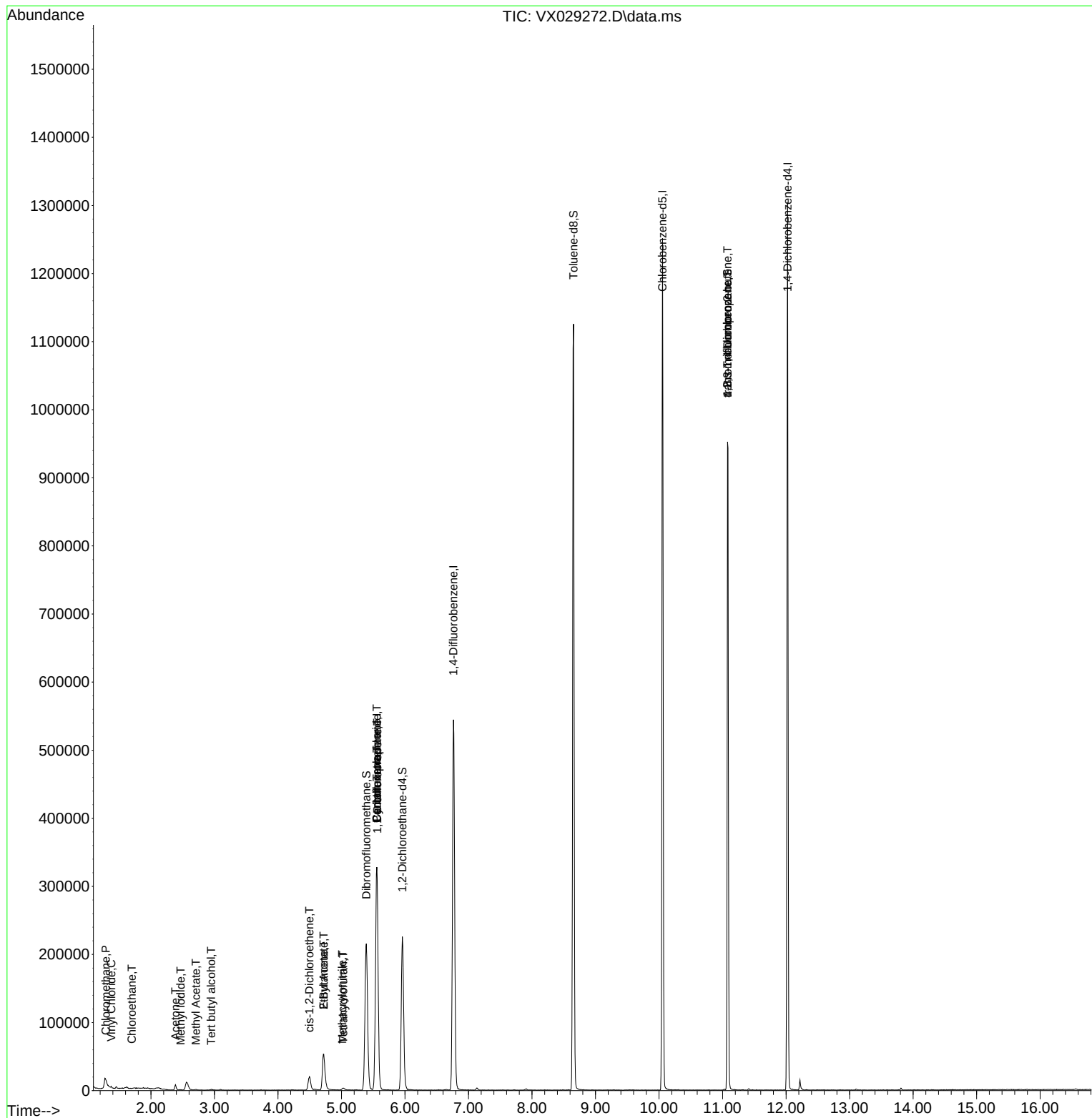
Internal Standards						
1) Pentafluorobenzene	5.556	168	303893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	572274	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	567004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	262368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	214648	62.638	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	125.280%
35) Dibromofluoromethane	5.391	113	192994	50.772	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.540%
50) Toluene-d8	8.653	98	684619	49.244	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.480%
62) 4-Bromofluorobenzene	11.079	95	276240	51.403	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	1279	0.463	ug/l #	64
4) Vinyl Chloride	1.374	62	902	0.297	ug/l #	20
5) Bromomethane	1.618	94	784	Below Cal		88
6) Chloroethane	1.697	64	567	1.611	ug/l #	43
10) Methyl Iodide	2.465	142	343	4.319	ug/l #	90
11) Tert butyl alcohol	2.947	59	758	0.955	ug/l #	72
16) Acetone	2.386	43	7920	5.869	ug/l	92
18) Methyl Acetate	2.709	43	1170	0.335	ug/l	94
25) 2-Butanone	4.721	43	92559	42.522	ug/l #	44
27) cis-1,2-Dichloroethene	4.495	96	13688	3.714	ug/l	86
29) Tetrahydrofuran	5.026	42	2765	1.981	ug/l #	69
31) Cyclohexane	5.556	56	5939	1.333	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	24278	4.964	ug/l #	49
37) Ethyl Acetate	4.721	43	93764	19.781	ug/l	99
38) Carbon Tetrachloride	5.556	117	32367	5.791	ug/l #	17
41) Methacrylonitrile	5.013	41	1633	0.638	ug/l #	31
44) Trichloroethene	7.135	130	1515	Below Cal		76
76) 1,2,3-Trichloropropane	11.079	75	138538	26.048	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	138538	76.419	ug/l #	15

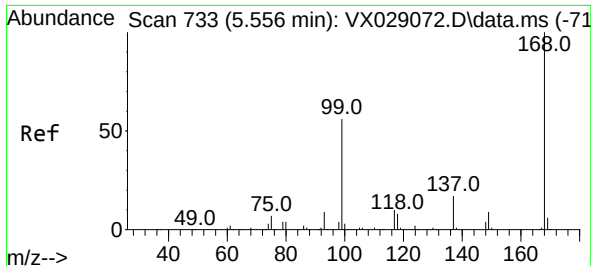
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 01 04:45:42 2022
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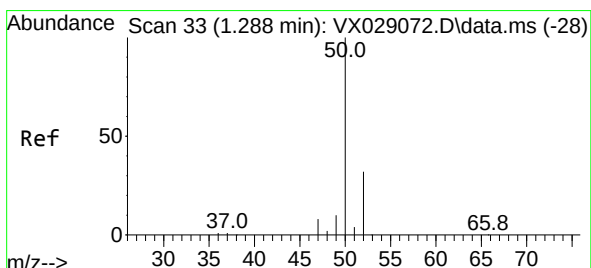
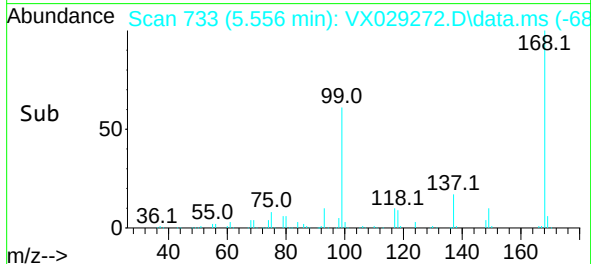
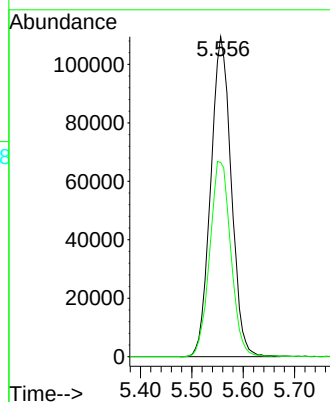
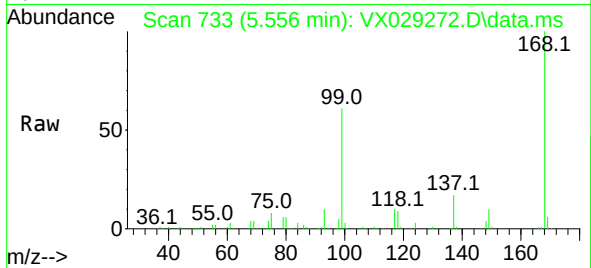




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

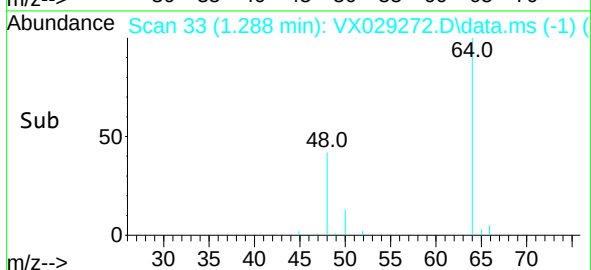
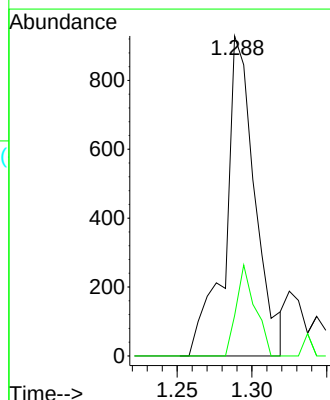
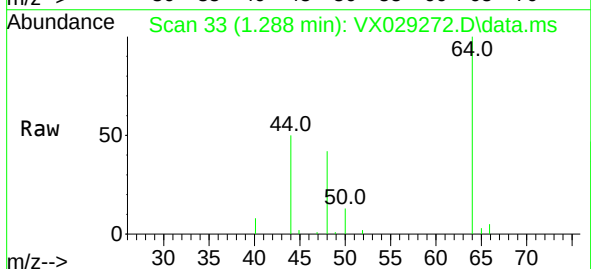
Instrument :
MSVOA_X
ClientSampleId :
19BR-20220601

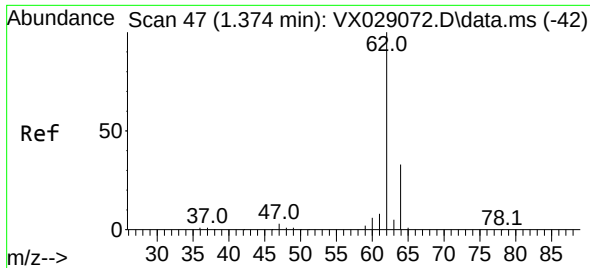
Tgt Ion:168 Resp: 303893
Ion Ratio Lower Upper
168 100
99 60.7 41.7 62.5



#3
Chloromethane
Concen: 0.463 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

Tgt Ion: 50 Resp: 1279
Ion Ratio Lower Upper
50 100
52 12.6 26.4 39.6#

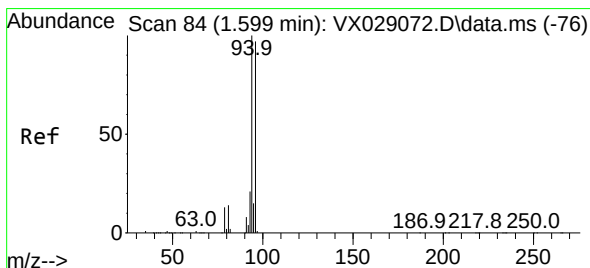
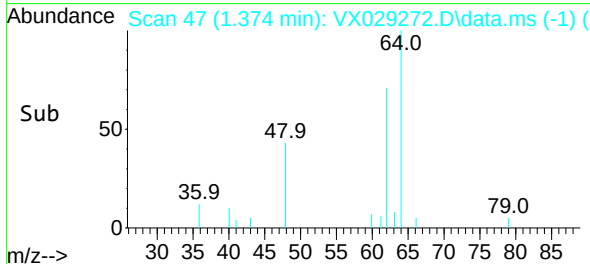
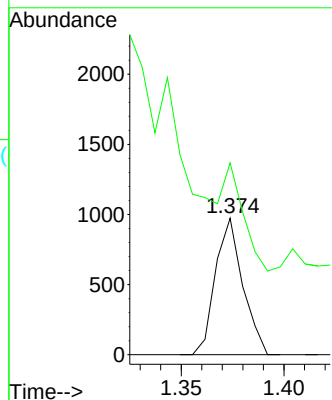
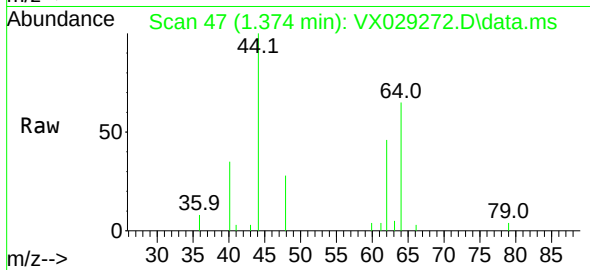




#4
 Vinyl Chloride
 Concen: 0.297 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX029272.D
 Acq: 07 Jun 2022 05:31

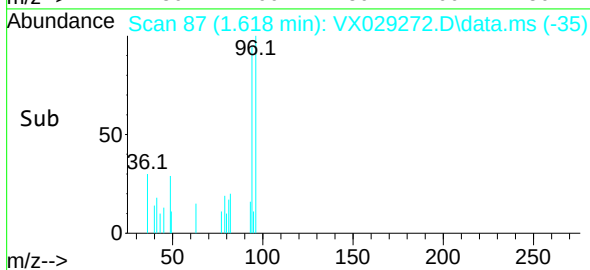
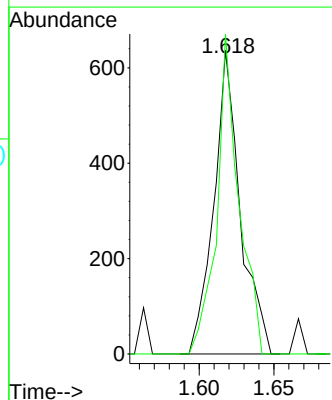
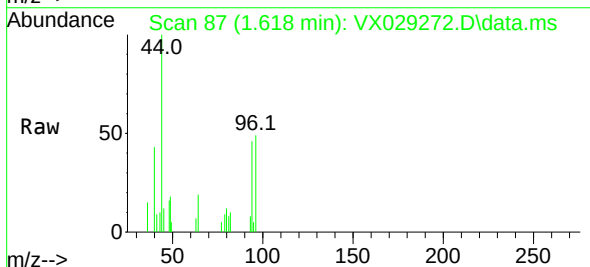
Instrument :
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 ClientSampleId :
 19BR-20220601

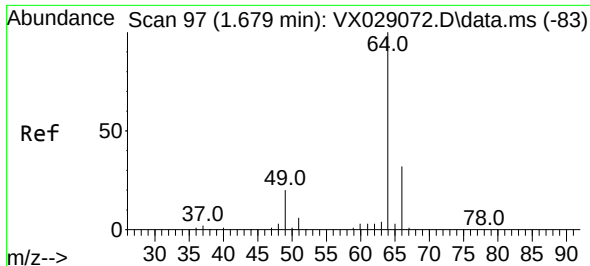
Tgt Ion: 62 Resp: 902
 Ion Ratio Lower Upper
 62 100
 64 76.2 25.5 38.3#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.618 min Scan# 87
 Delta R.T. 0.019 min
 Lab File: VX029272.D
 Acq: 07 Jun 2022 05:31

Tgt Ion: 94 Resp: 784
 Ion Ratio Lower Upper
 94 100
 96 105.5 75.3 112.9

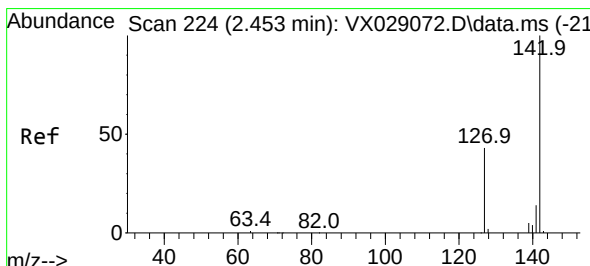
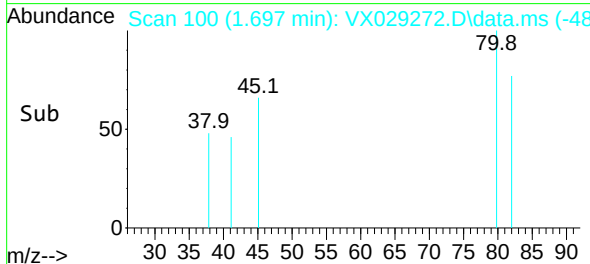
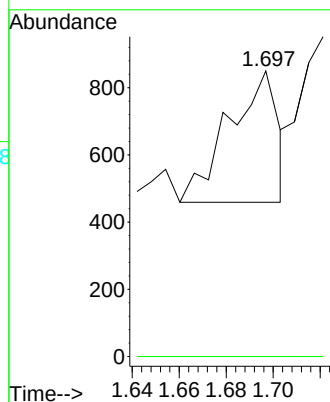
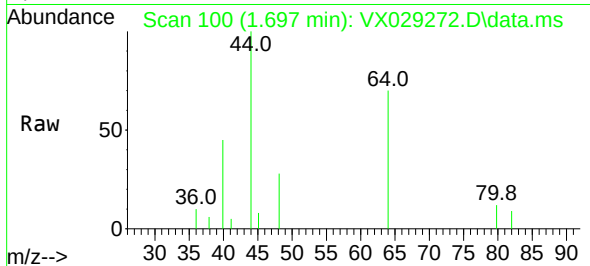




#6
Chloroethane
Concen: 1.611 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

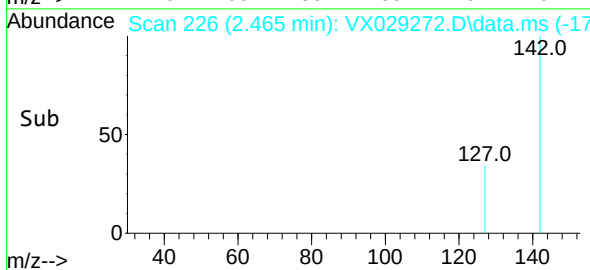
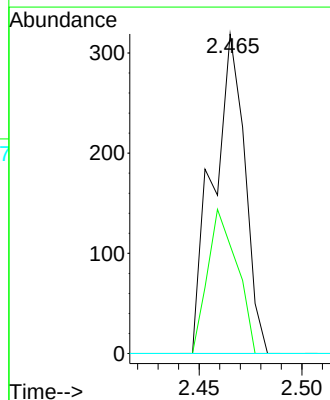
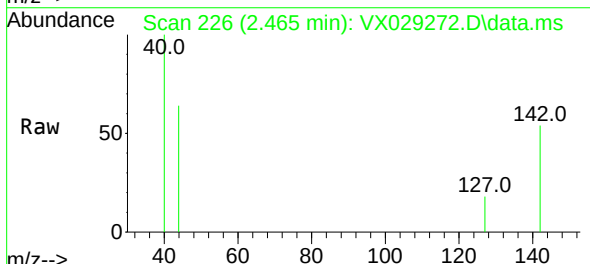
Instrument :
MSVOA_X
ClientSampleId :
19BR-20220601

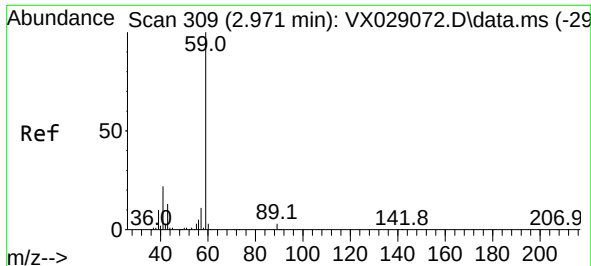
Tgt Ion: 64 Resp: 567
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 4.319 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

Tgt Ion: 142 Resp: 343
Ion Ratio Lower Upper
142 100
127 41.7 33.9 50.9
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 0.955 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.024 min

Lab File: VX029272.D

Acq: 07 Jun 2022 05:31

Instrument :

MSVOA_X

ClientSampleId :

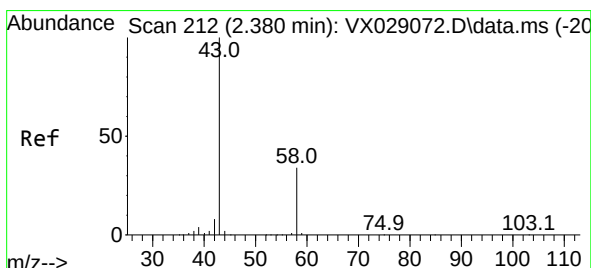
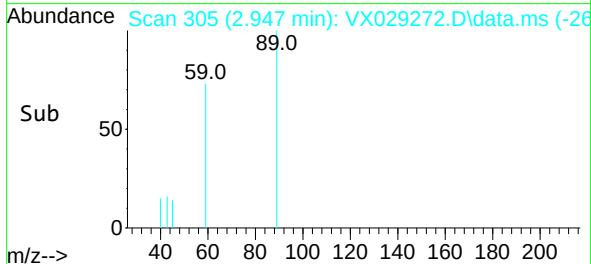
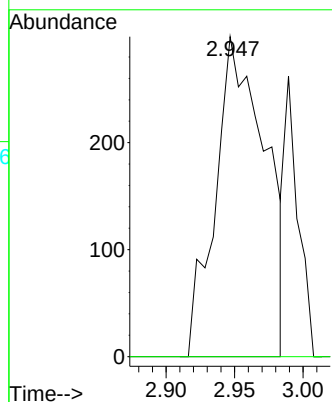
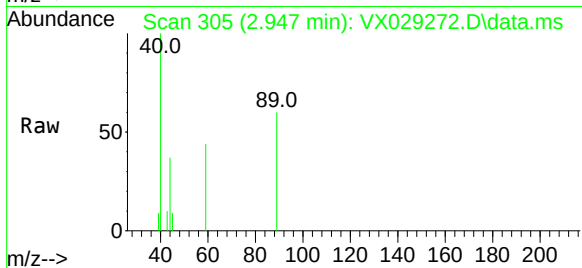
19BR-20220601

Tgt Ion: 59 Resp: 758

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 5.869 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX029272.D

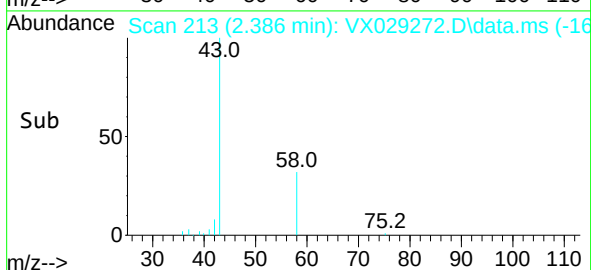
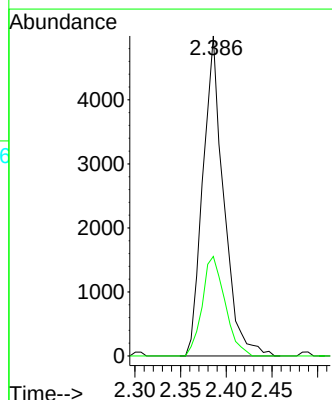
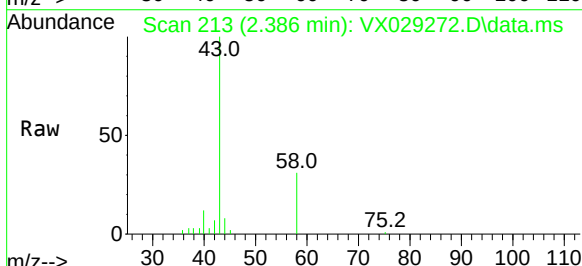
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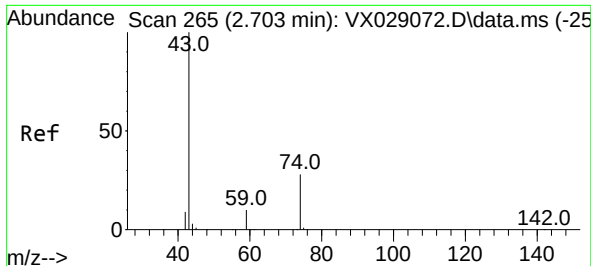
Tgt Ion: 43 Resp: 7920

Ion Ratio Lower Upper

43 100

58 31.1 28.8 43.2

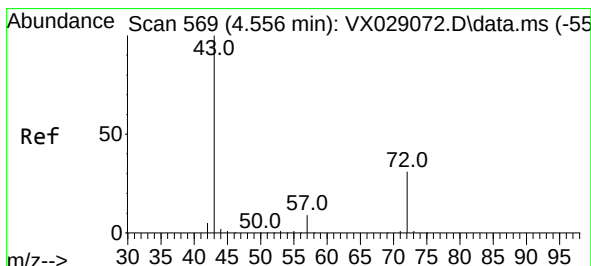
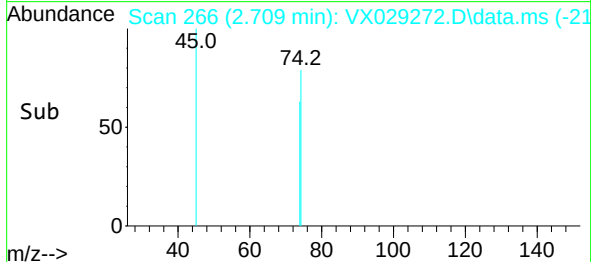
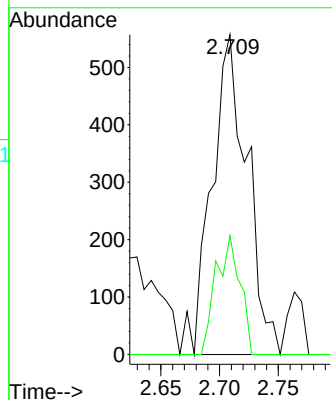
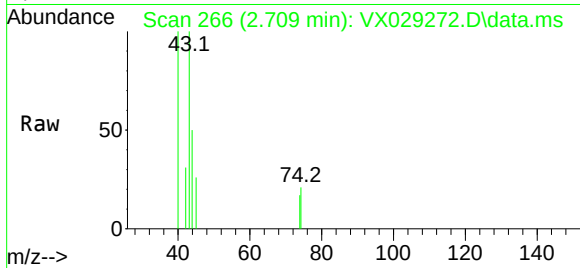




#18
Methyl Acetate
Concen: 0.335 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

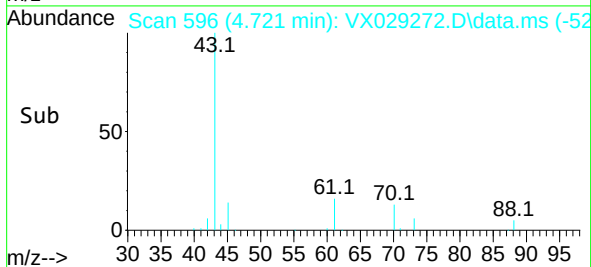
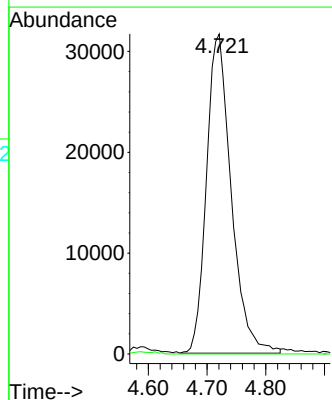
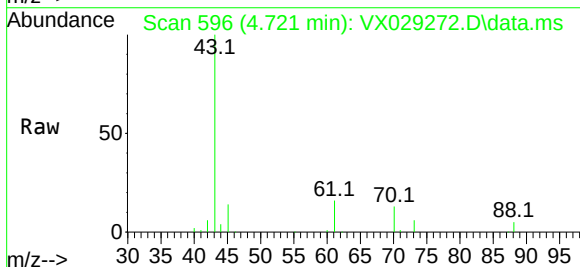
Instrument :
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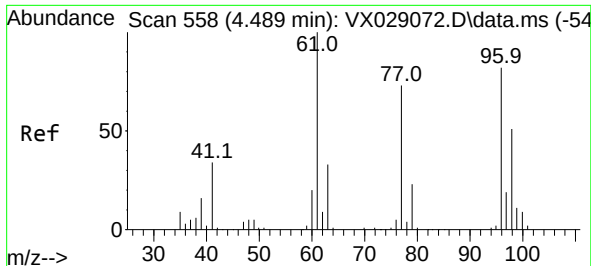
Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
74 25.2 22.8 34.2



#25
2-Butanone
Concen: 42.522 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.165 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

Tgt Ion: 43 Resp: 92559
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 3.714 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX029272.D

Acq: 07 Jun 2022 05:31

Instrument :

MSVOA_X

ClientSampleId :

19BR-20220601

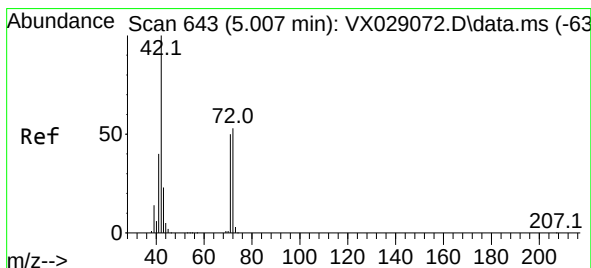
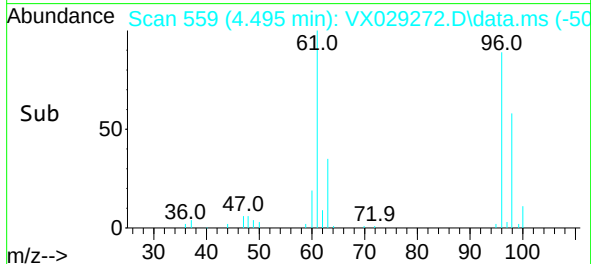
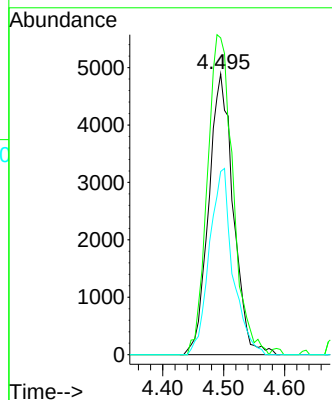
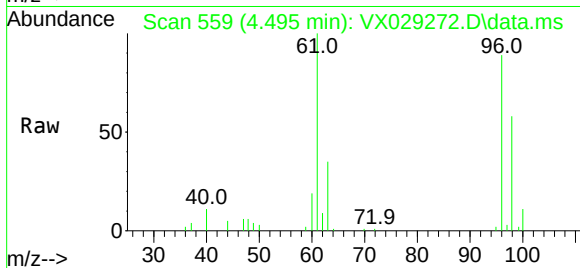
Tgt Ion: 96 Resp: 13688

Ion Ratio Lower Upper

96 100

61 118.6 0.0 283.8

98 63.2 0.0 129.8



#29

Tetrahydrofuran

Concen: 1.981 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.019 min

Lab File: VX029272.D

Acq: 07 Jun 2022 05:31

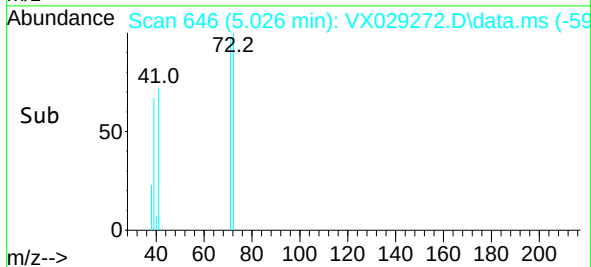
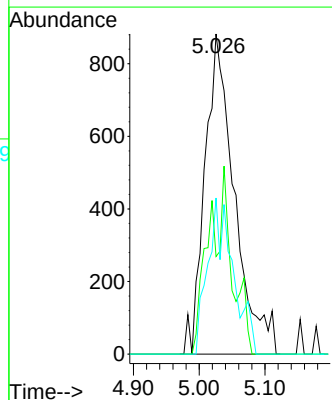
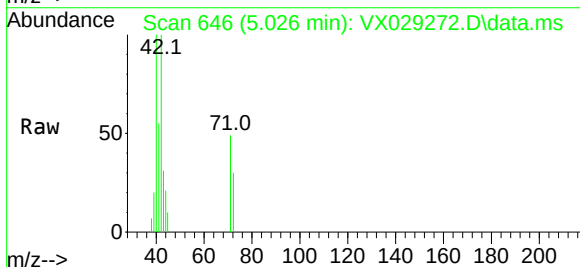
Tgt Ion: 42 Resp: 2765

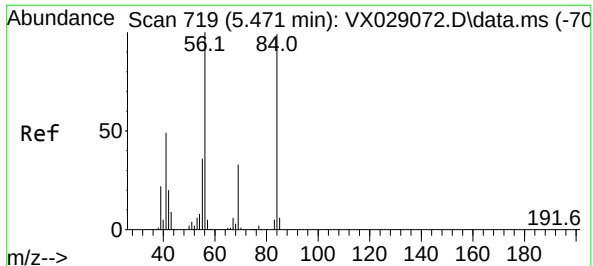
Ion Ratio Lower Upper

42 100

72 20.3 44.1 66.1#

71 41.6 40.5 60.7

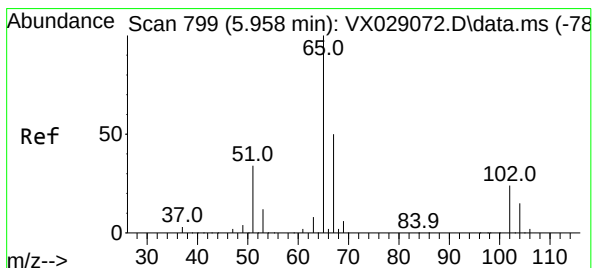
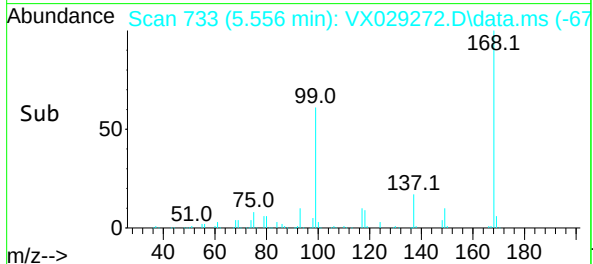
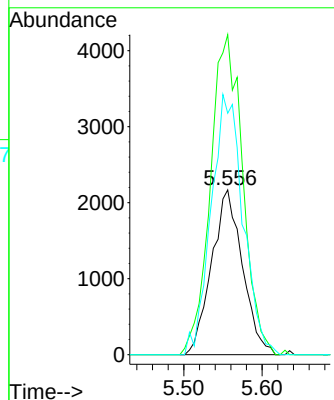
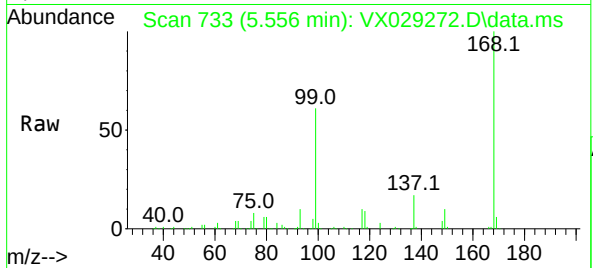




#31
Cyclohexane
Concen: 1.333 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

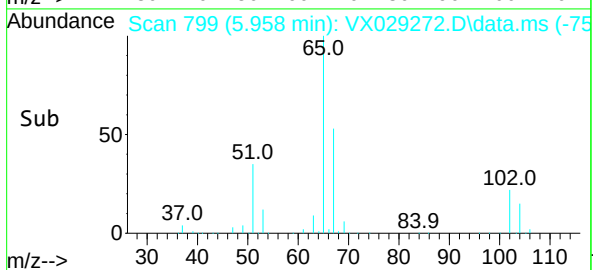
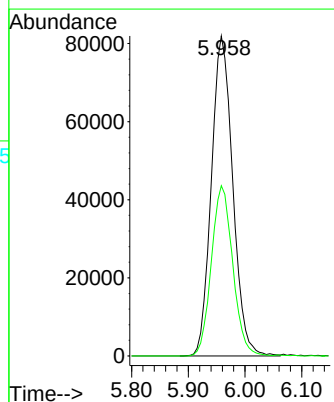
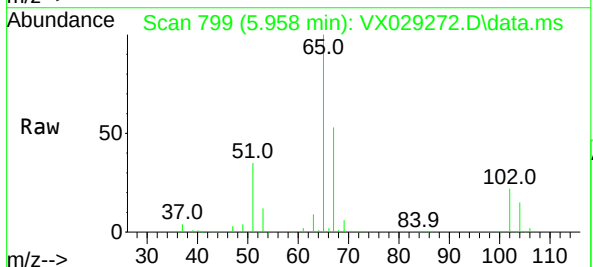
Instrument :
MSVOA_X
ClientSampleId :
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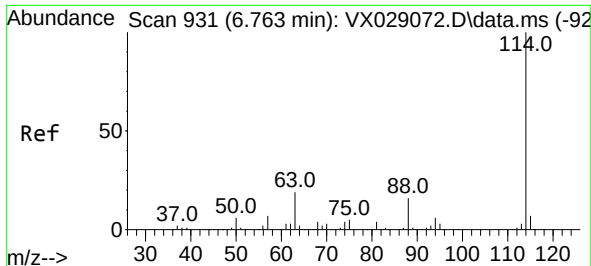
Tgt Ion: 56 Resp: 5939
Ion Ratio Lower Upper
56 100
69 194.2 26.7 40.1#
84 146.5 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 62.638 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

Tgt Ion: 65 Resp: 214648
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.4

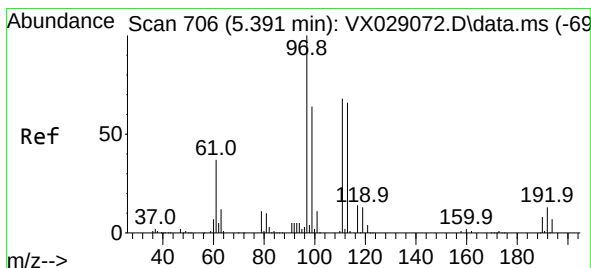
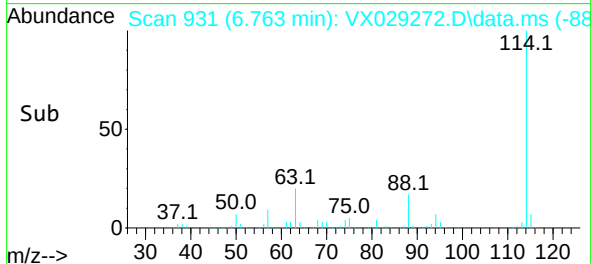
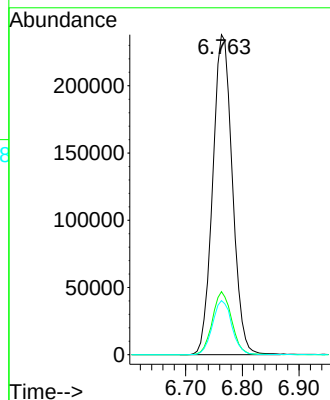
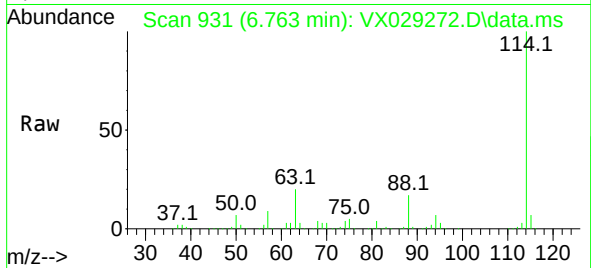




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

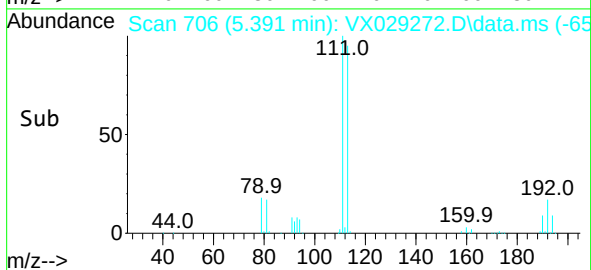
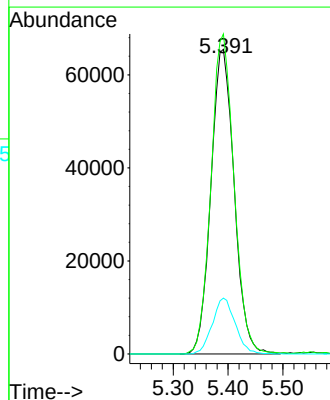
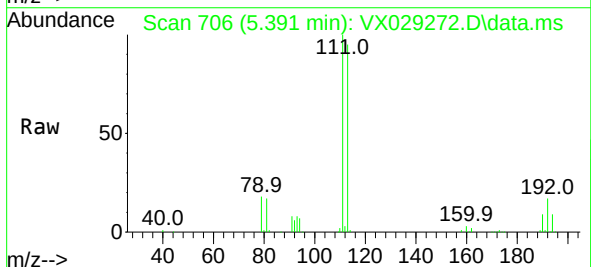
Instrument :
MSVOA_X
ClientSampleId :
19BR-20220601

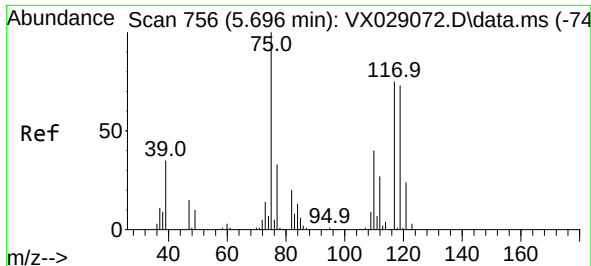
Tgt Ion:114 Resp: 572274
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.8
88 16.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.772 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

Tgt Ion:113 Resp: 192994
Ion Ratio Lower Upper
113 100
111 103.9 82.8 124.2
192 18.1 16.9 25.3

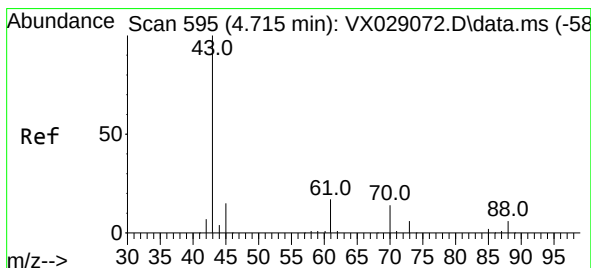
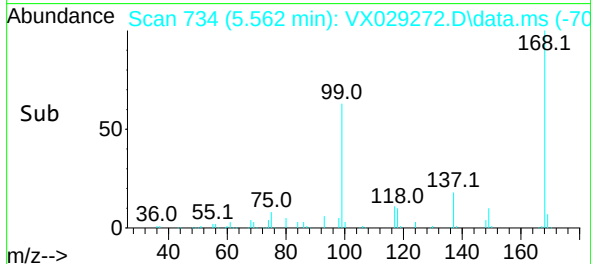
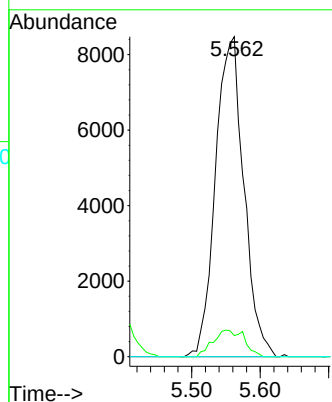
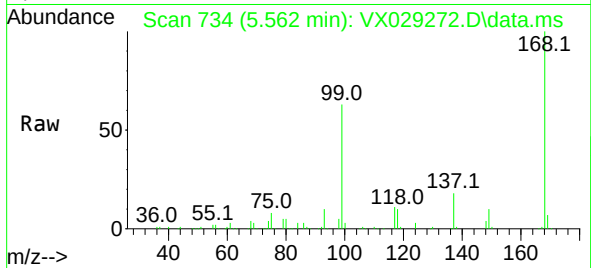




#36
1,1-Dichloropropene
Concen: 4.964 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

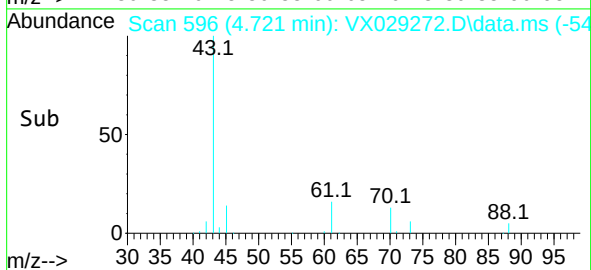
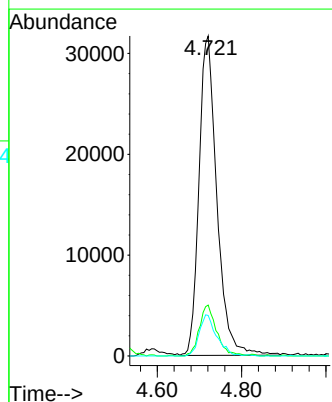
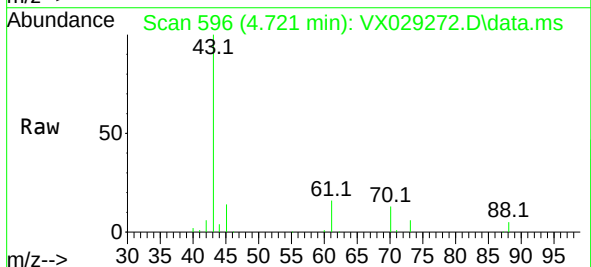
Instrument :
MSVOA_X
ClientSampleId :
19BR-20220601

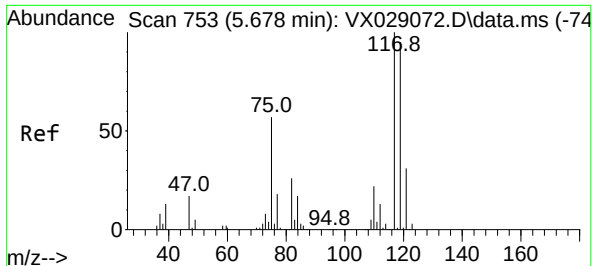
Tgt Ion: 75 Resp: 24278
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 19.781 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

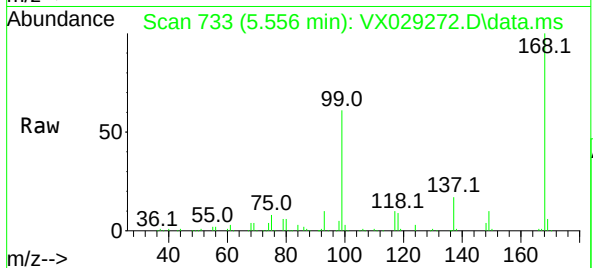
Tgt Ion: 43 Resp: 93764
Ion Ratio Lower Upper
43 100
61 15.3 12.6 19.0
70 12.5 10.2 15.2



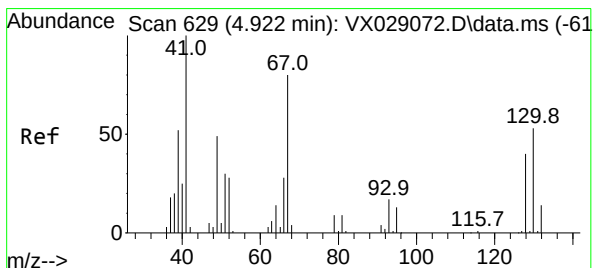
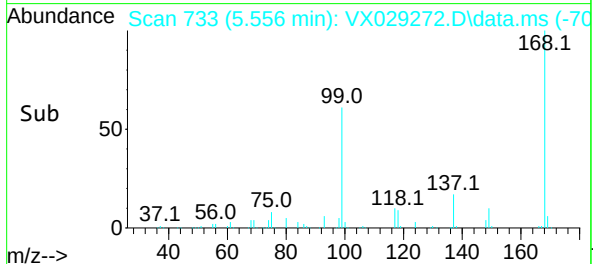
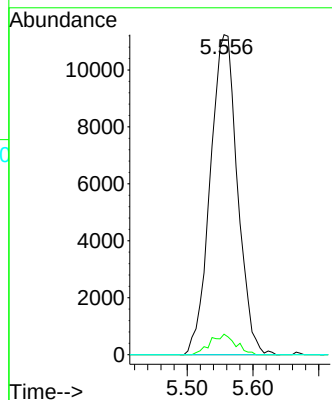


#38
Carbon Tetrachloride
Concen: 5.791 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

Instrument :
MSVOA_X
ClientSampleId :
19BR-20220601

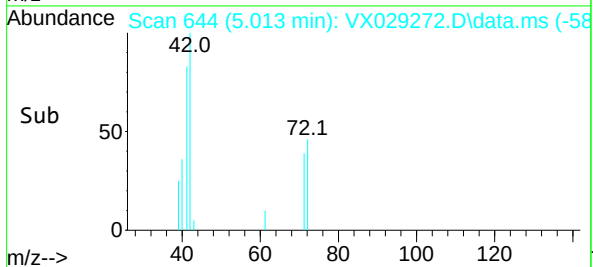
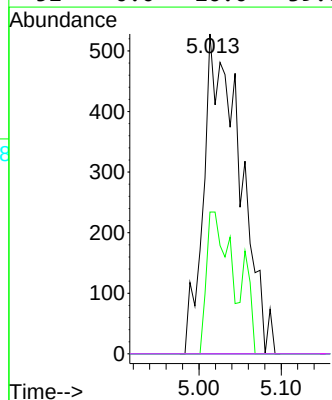
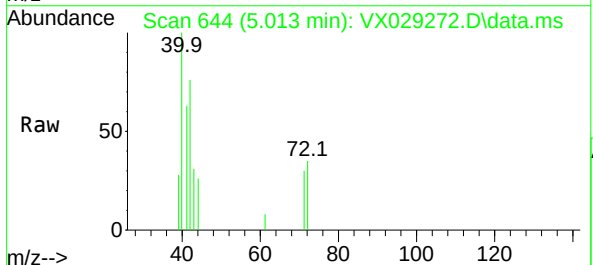


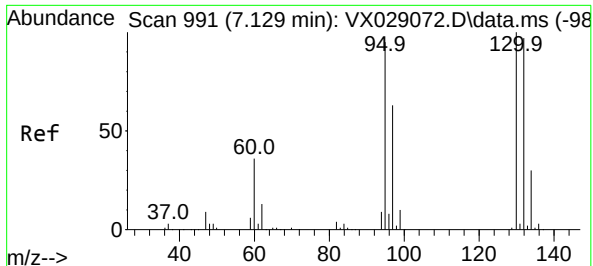
Tgt Ion:117 Resp: 32367
Ion Ratio Lower Upper
117 100
119 6.4 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.638 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.091 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

Tgt Ion: 41 Resp: 1633
Ion Ratio Lower Upper
41 100
39 28.4 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

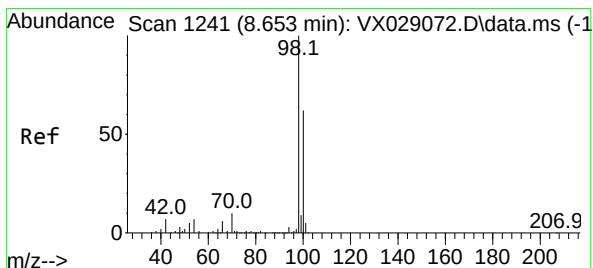
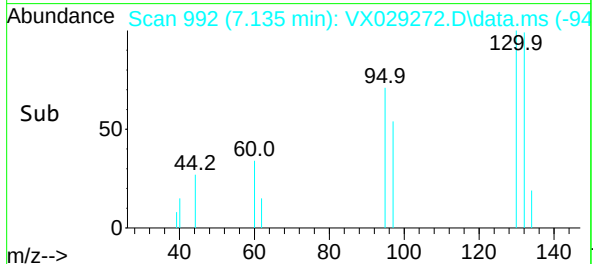
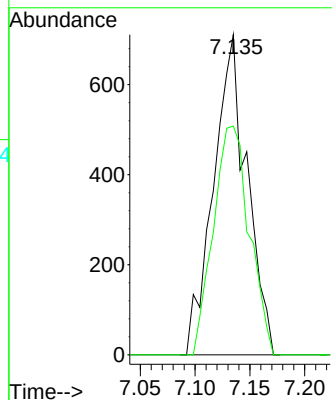
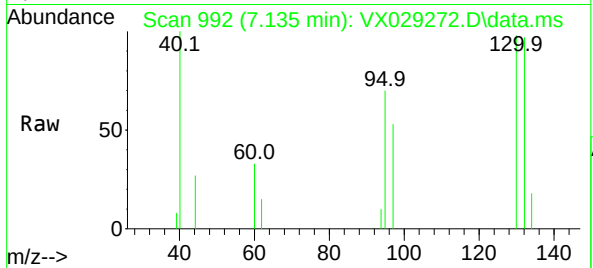




#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

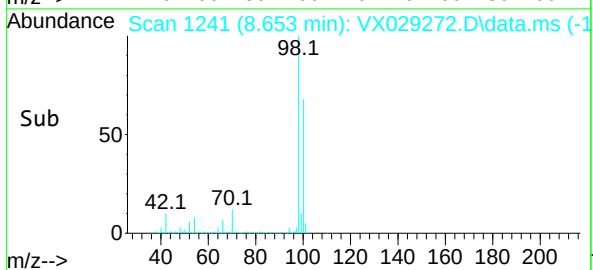
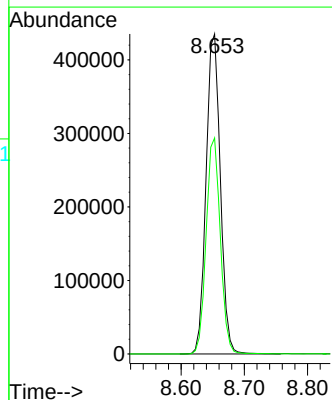
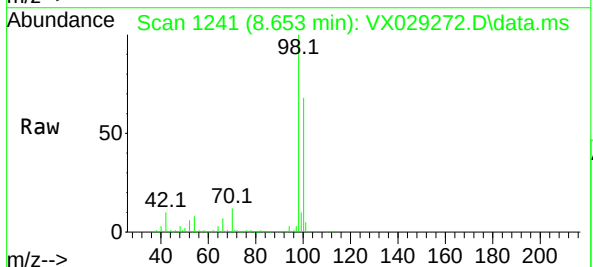
Instrument :
MSVOA_X
ClientSampleId :
19BR-20220601

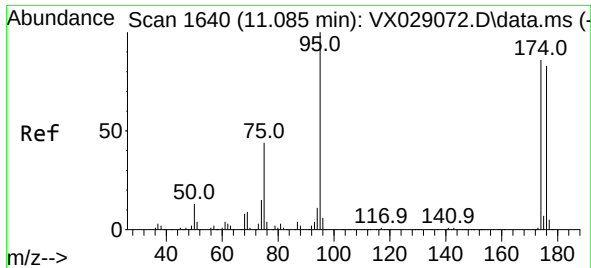
Tgt Ion:130 Resp: 1515
Ion Ratio Lower Upper
130 100
95 71.4 0.0 188.8



#50
Toluene-d8
Concen: 49.244 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

Tgt Ion: 98 Resp: 684619
Ion Ratio Lower Upper
98 100
100 67.0 52.6 78.8

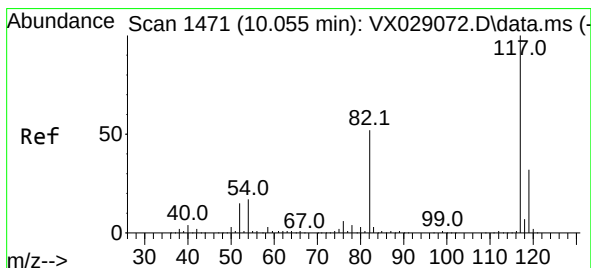
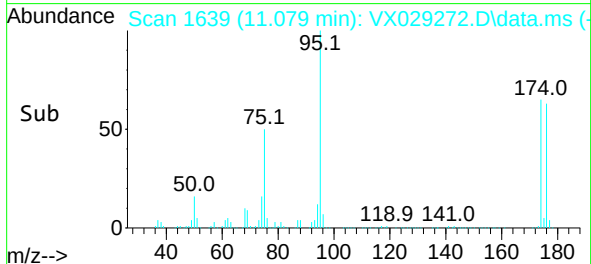
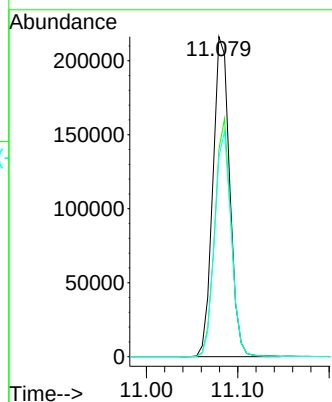
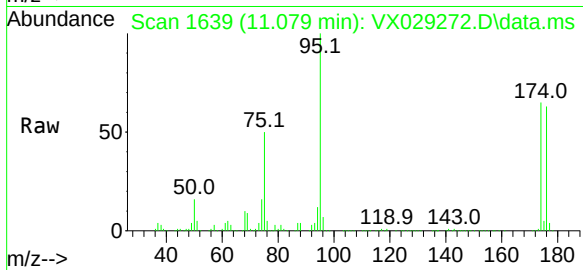




#62
4-Bromofluorobenzene
Concen: 51.403 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

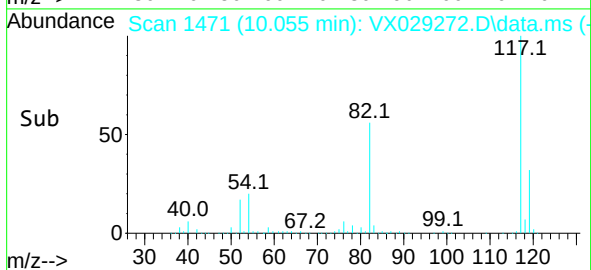
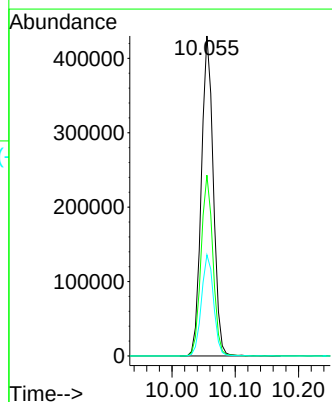
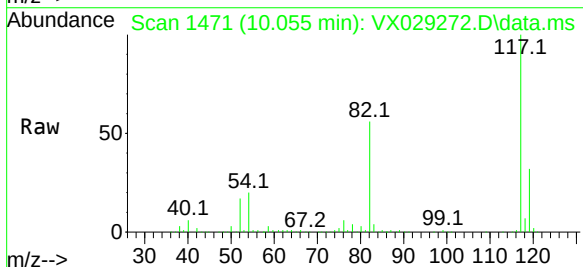
Instrument :
MSVOA_X
ClientSampleId :
19BR-20220601

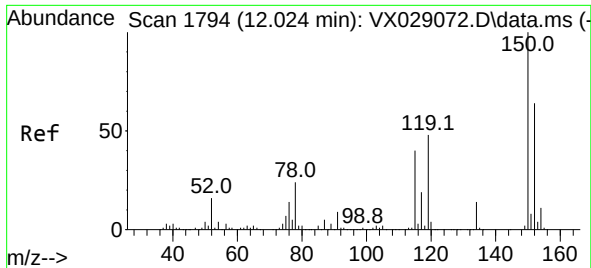
Tgt Ion: 95 Resp: 276240
Ion Ratio Lower Upper
95 100
174 72.3 0.0 163.0
176 69.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

Tgt Ion: 117 Resp: 567004
Ion Ratio Lower Upper
117 100
82 56.5 41.8 62.8
119 31.6 24.8 37.2

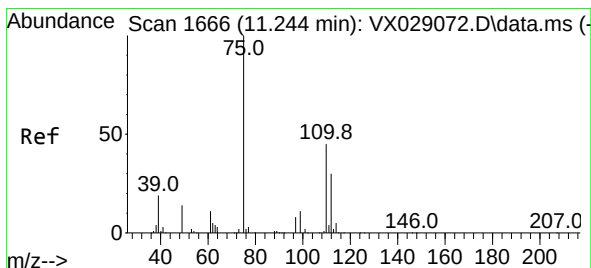
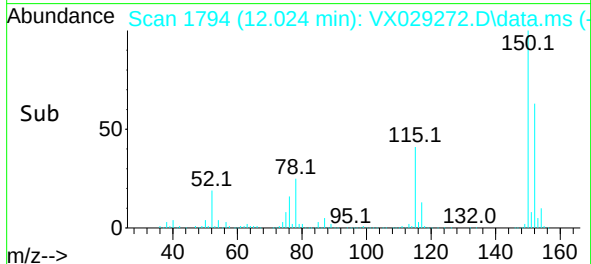
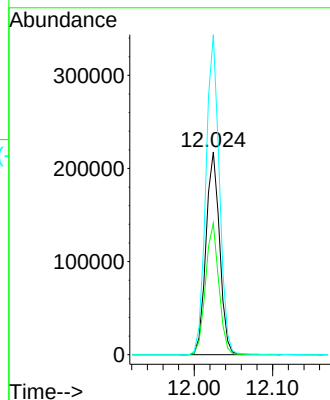
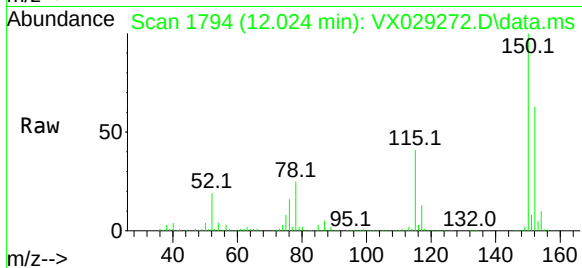




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

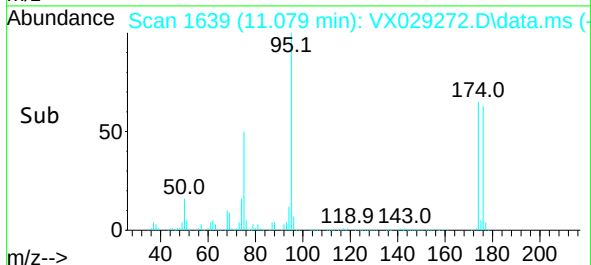
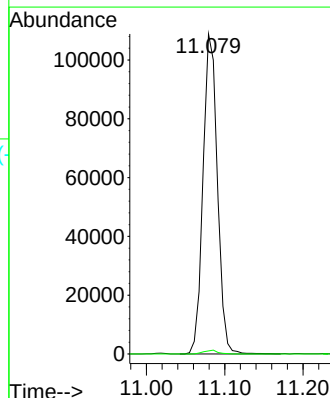
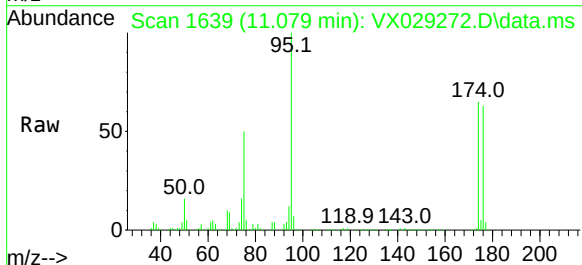
Instrument :
MSVOA_X
ClientSampleId :
19BR-20220601

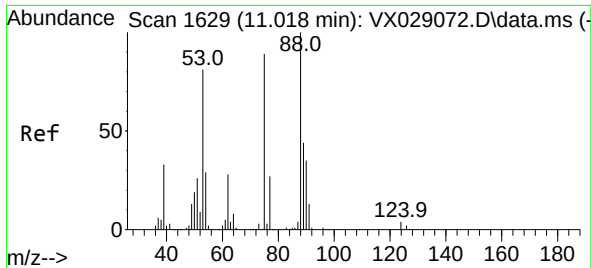
Tgt Ion:152 Resp: 262368
Ion Ratio Lower Upper
152 100
115 63.5 37.5 112.7
150 156.0 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 26.048 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029272.D
Acq: 07 Jun 2022 05:31

Tgt Ion: 75 Resp: 138538
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.419 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029272.D
 Acq: 07 Jun 2022 05:31

Instrument :
 MSVOA_X
 ClientSampleId :
 19BR-20220601

Tgt Ion: 75 Resp: 138538
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

