

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070822\
 Data File : VX029975.D
 Acq On : 08 Jul 2022 16:05
 Operator : JC/MD
 Sample : N3621-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-047-IDWGW-20220706

Quant Time: Jul 09 02:19:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jul 09 02:10:54 2022
 Response via : Initial Calibration

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

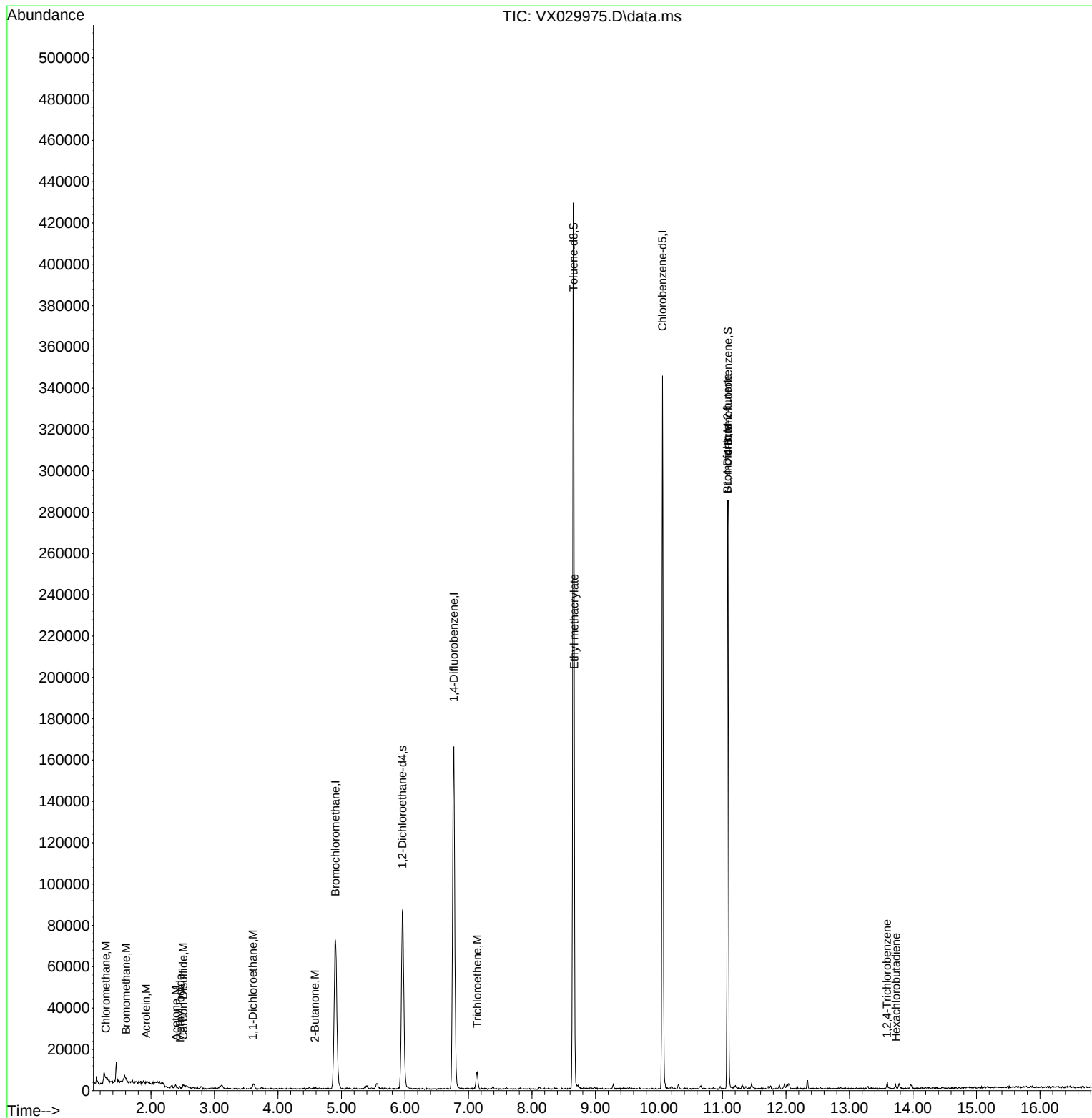
Internal Standards						
1) Bromochloromethane	4.904	128	32321	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	181385	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	156928	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	76619	29.072	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.900%
60) 4-Bromofluorobenzene	11.085	95	82589	27.926	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.100%
63) Toluene-d8	8.653	98	254963	29.963	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.867%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	469	0.203	ug/l #	64
5) Bromomethane	1.605	94	422	0.392	ug/l #	63
11) Methyl Iodide	2.459	142	830	9.197	ug/l #	79
13) Acrolein	1.922	56	93	0.214	ug/l	90
15) Acetone	2.392	58	453	1.045	ug/l #	38
16) Carbon Disulfide	2.508	76	2386	0.402	ug/l	96
21) 1,1-Dichloroethane	3.605	63	2059	0.476	ug/l	99
30) 2-Butanone	4.581	43	622	0.297	ug/l #	81
37) Trichloroethene	7.135	130	3170	1.189	ug/l	91
51) Ethyl methacrylate	8.665	69	870	0.219	ug/l #	79
56) Bromoform	11.079	173	436	0.264	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	37514	30.915	ug/l #	3
89) 1,2,4-Trichlorobenzene	13.591	180	770	0.252	ug/l	92
90) Hexachlorobutadiene	13.731	225	319	0.275	ug/l	75

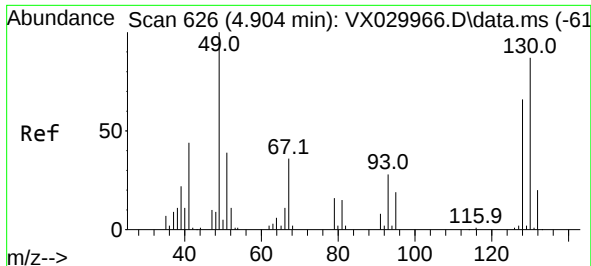
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070822\
Data File : VX029975.D
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TT-047-IDWGW-20220706

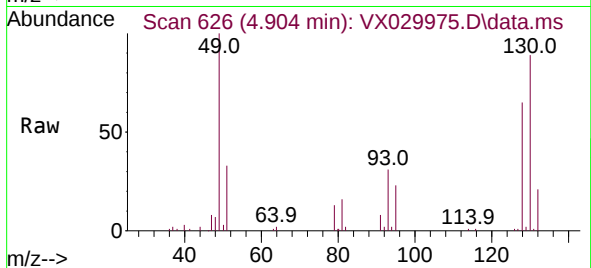
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jul 09 02:10:54 2022
Response via : Initial Calibration



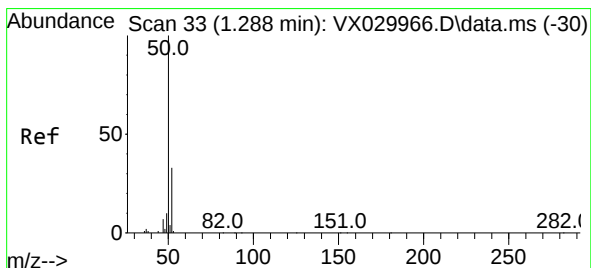
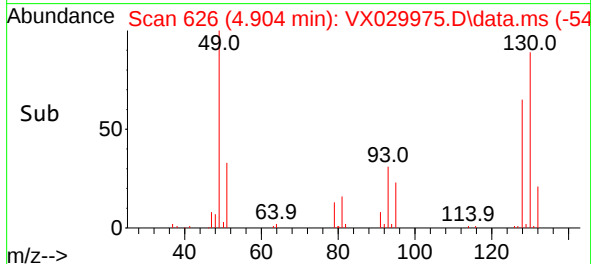
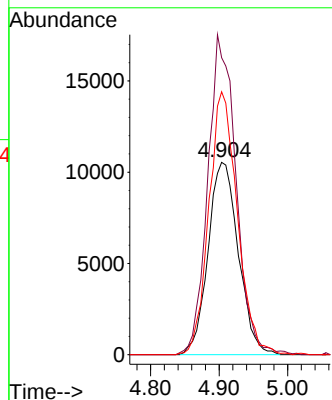


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

Instrument :
MSVOA_X
ClientSampleId :
TT-047-IDWGW-20220706

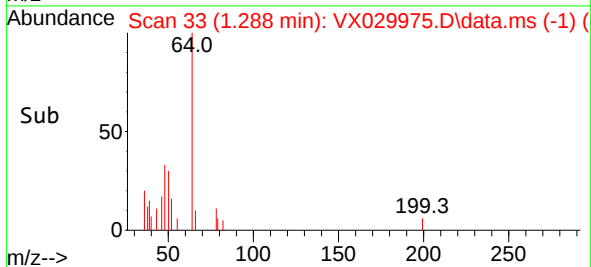
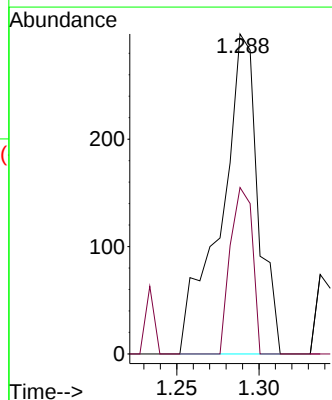
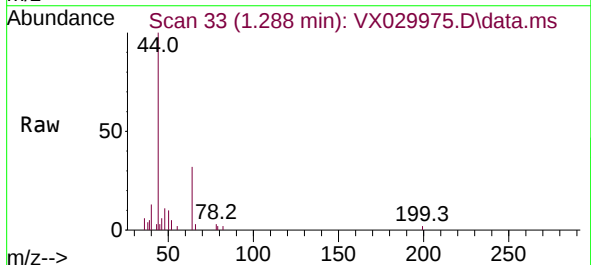


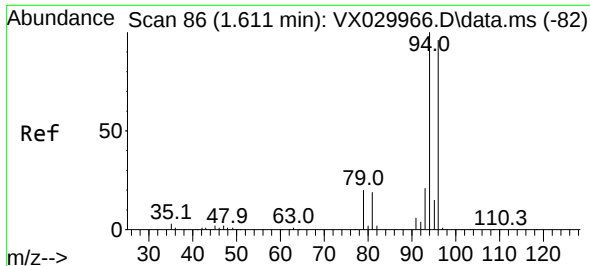
Tgt Ion:128 Resp: 32321
Ion Ratio Lower Upper
128 100
49 154.4 0.0 358.3
130 127.2 0.0 319.3



#3
Chloromethane
Concen: 0.203 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

Tgt Ion: 50 Resp: 469
Ion Ratio Lower Upper
50 100
52 52.0 25.6 38.4#

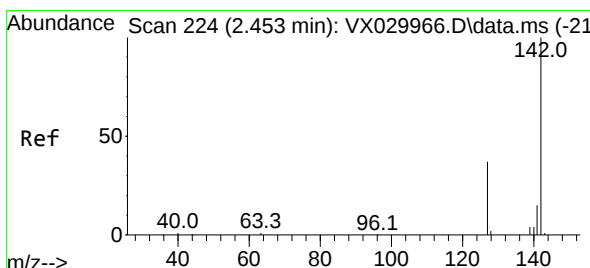
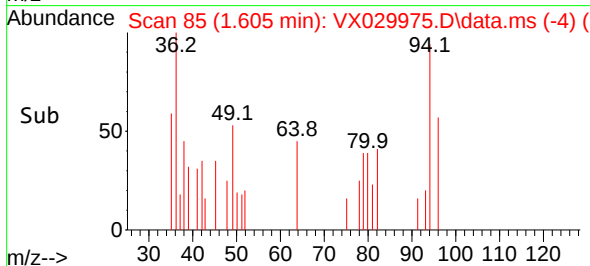
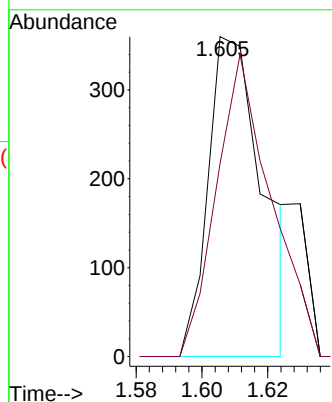
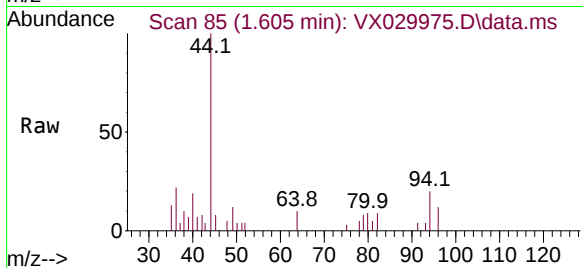




#5
Bromomethane
Concen: 0.392 ug/l
RT: 1.605 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

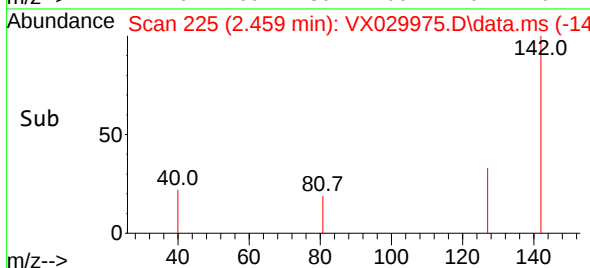
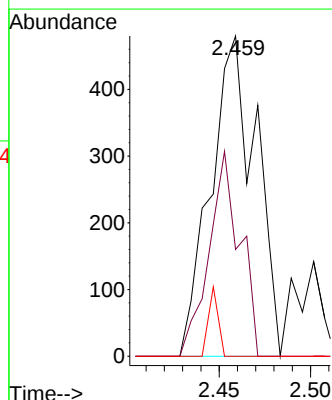
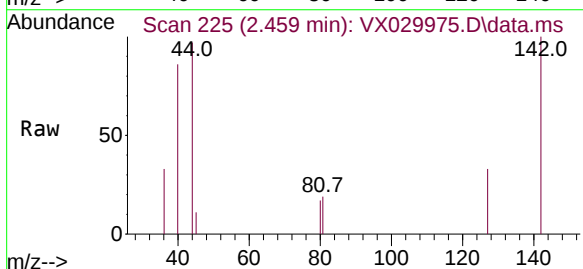
Instrument :
MSVOA_X
ClientSampleId :
TT-047-IDWGW-20220706

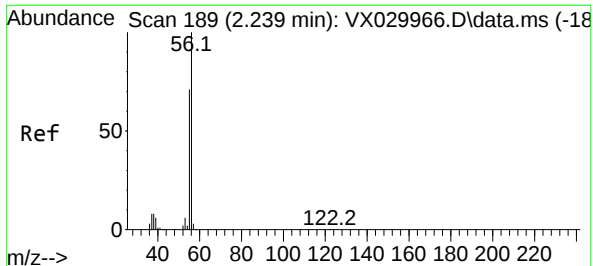
Tgt Ion: 94 Resp: 422
Ion Ratio Lower Upper
94 100
96 60.3 77.0 115.6#



#11
Methyl Iodide
Concen: 9.197 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

Tgt Ion: 142 Resp: 830
Ion Ratio Lower Upper
142 100
127 33.3 22.3 66.9
141 0.0 7.0 20.9#

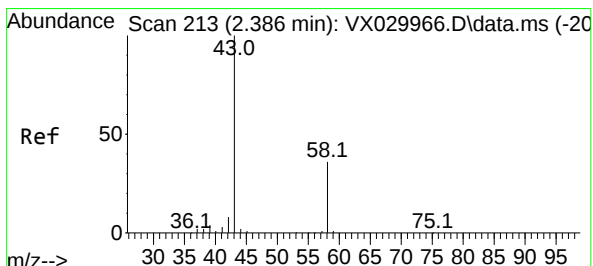
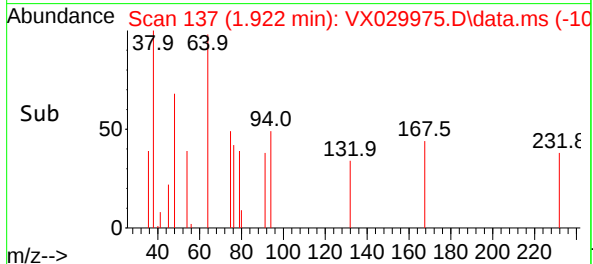
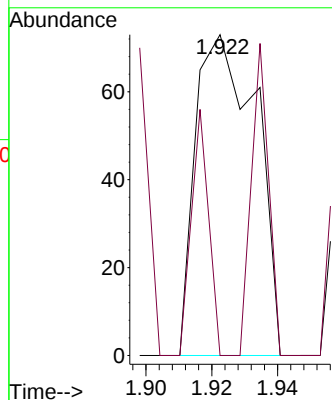
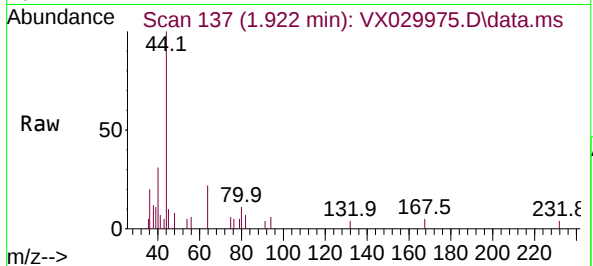




#13
Acrolein
Concen: 0.214 ug/l
RT: 1.922 min Scan# 11
Delta R.T. -0.317 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

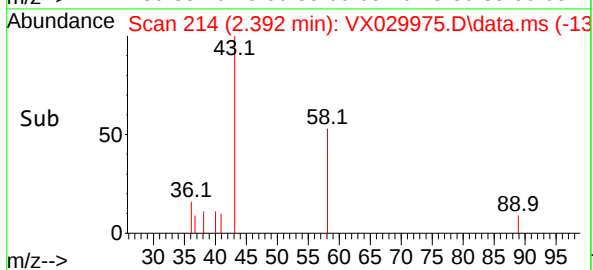
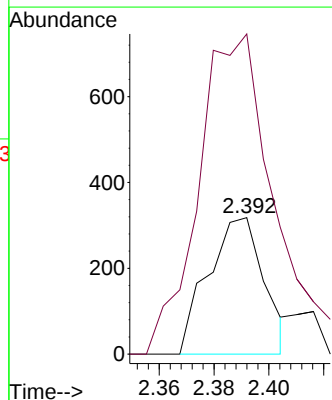
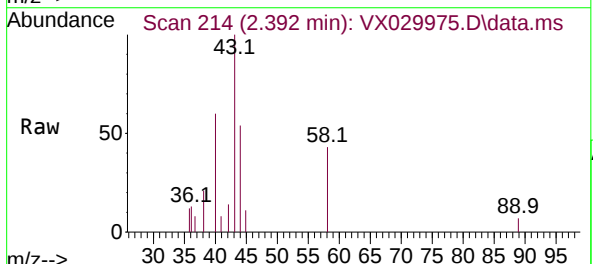
Instrument :
MSVOA_X
ClientSampleId :
TT-047-IDWGW-20220706

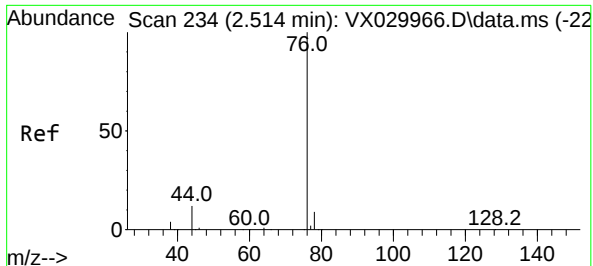
Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 78.5 56.4 84.6



#15
Acetone
Concen: 1.045 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

Tgt Ion: 58 Resp: 453
Ion Ratio Lower Upper
58 100
43 187.4 250.2 375.2#

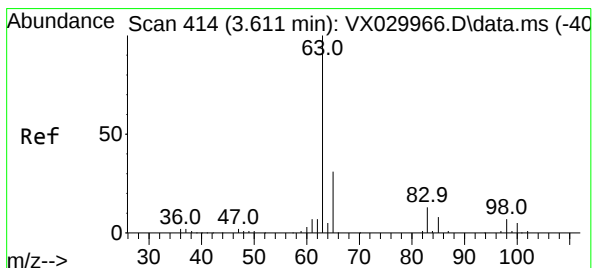
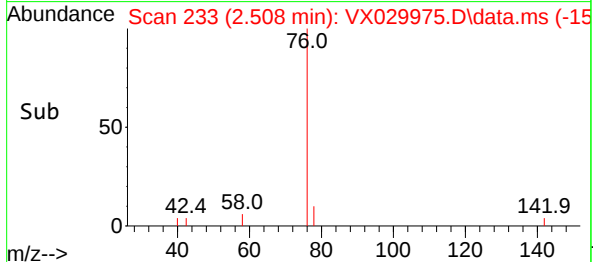
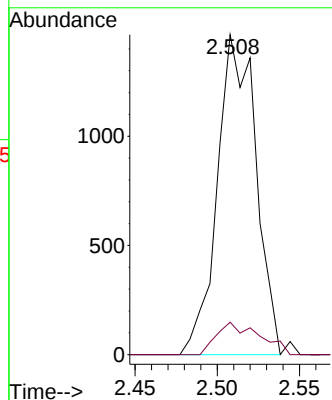
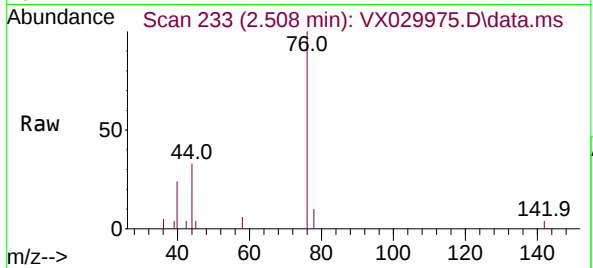




#16
Carbon Disulfide
Concen: 0.402 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

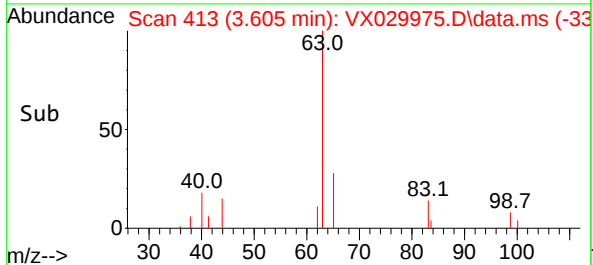
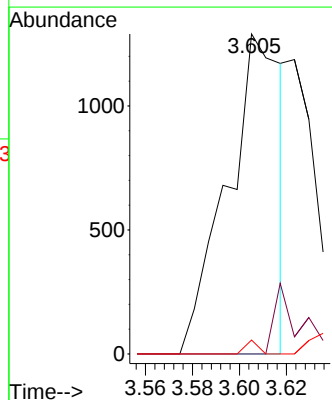
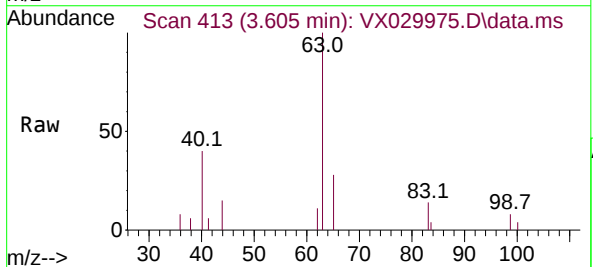
Instrument :
MSVOA_X
ClientSampleId :
TT-047-IDWGW-20220706

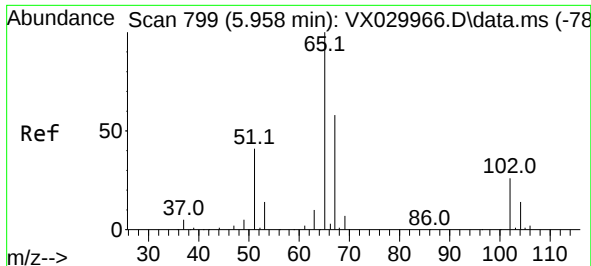
Tgt Ion: 76 Resp: 2386
Ion Ratio Lower Upper
76 100
78 10.2 7.1 10.7



#21
1,1-Dichloroethane
Concen: 0.476 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.006 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

Tgt Ion: 63 Resp: 2059
Ion Ratio Lower Upper
63 100
98 7.6 3.8 11.2
100 4.3 2.5 7.5

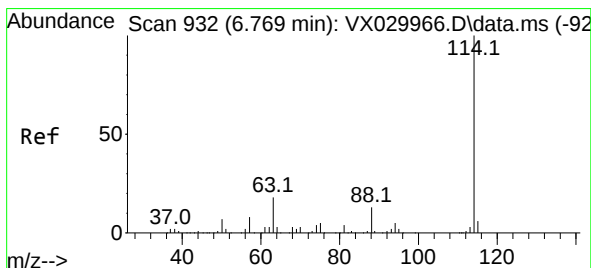
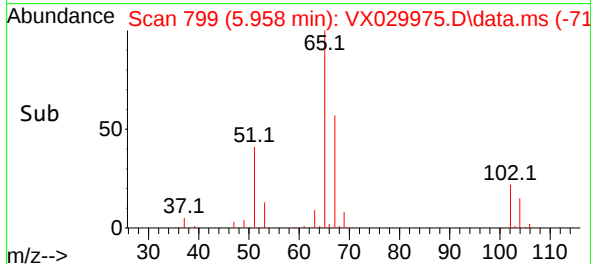
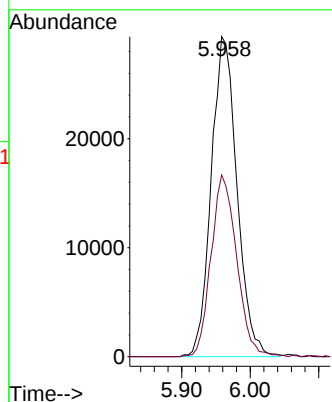
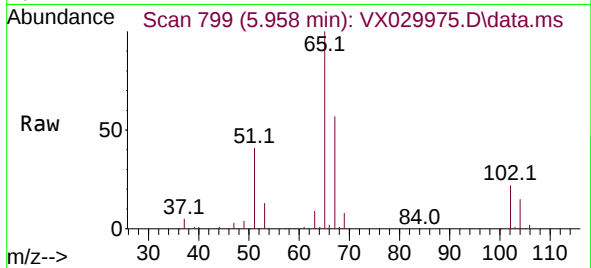




#27
1,2-Dichloroethane-d4
Concen: 29.072 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

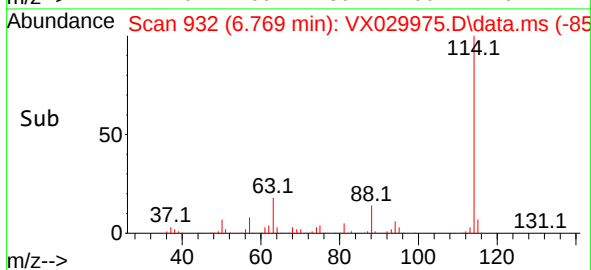
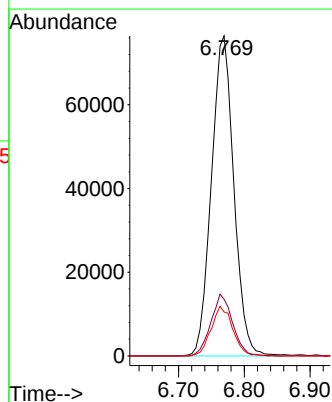
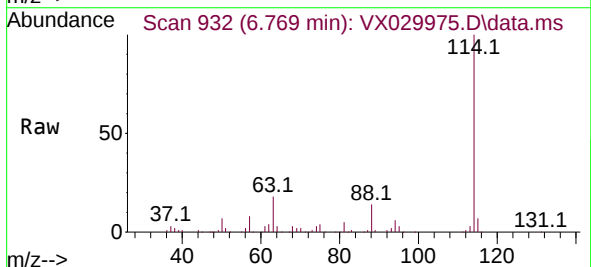
Instrument :
MSVOA_X
ClientSampleId :
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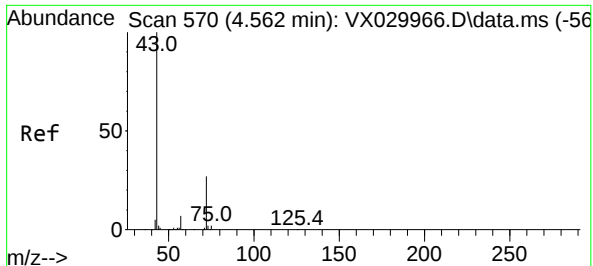
Tgt Ion: 65 Resp: 76619
Ion Ratio Lower Upper
65 100
67 56.3 42.3 63.5



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

Tgt Ion: 114 Resp: 181385
Ion Ratio Lower Upper
114 100
63 18.7 15.3 22.9
88 14.9 12.2 18.4





#30

2-Butanone

Concen: 0.297 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX029975.D

Acq: 08 Jul 2022 16:05

Instrument :

MSVOA_X

ClientSampleId :

TT-047-IDWGW-20220706

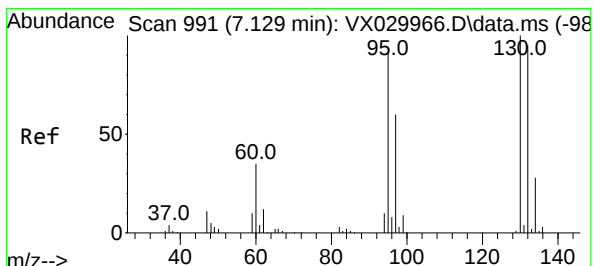
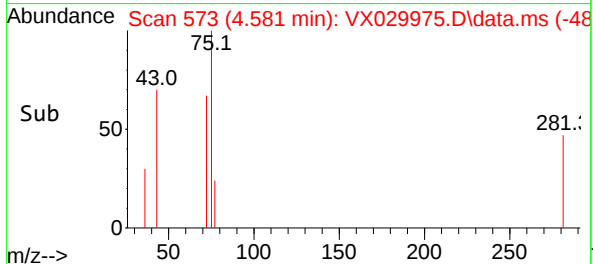
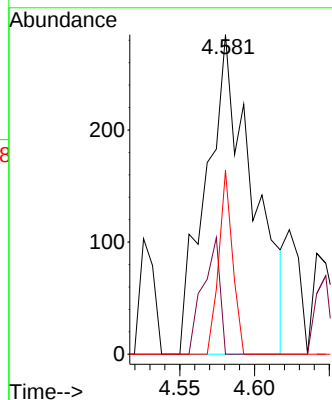
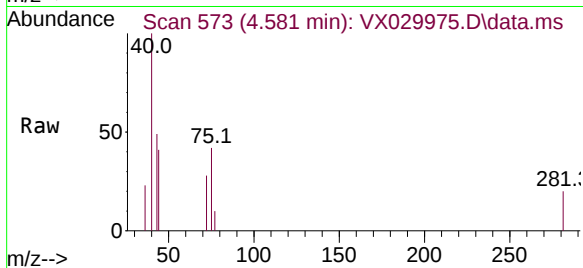
Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

43 100

57 13.2 6.6 10.0#

72 16.9 22.1 33.1#



#37

Trichloroethene

Concen: 1.189 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX029975.D

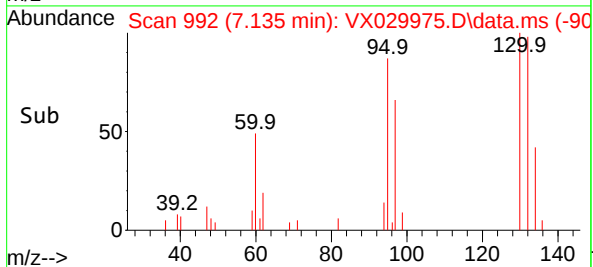
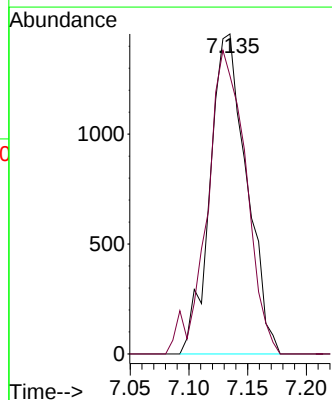
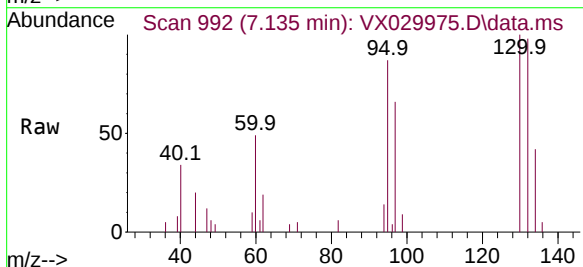
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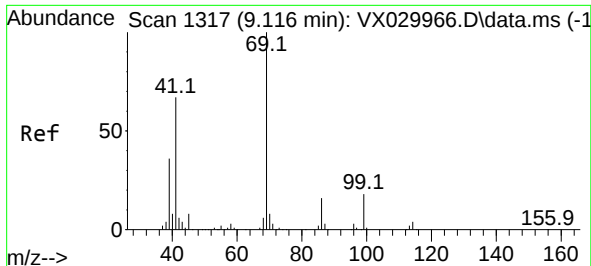
Tgt Ion:130 Resp: 3170

Ion Ratio Lower Upper

130 100

95 87.0 76.5 114.7

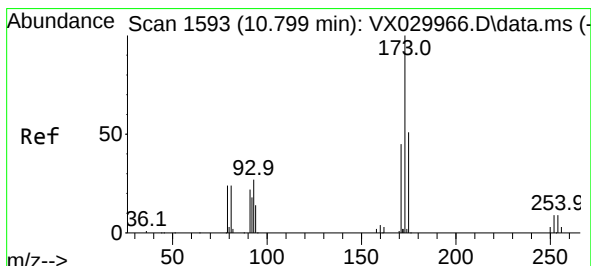
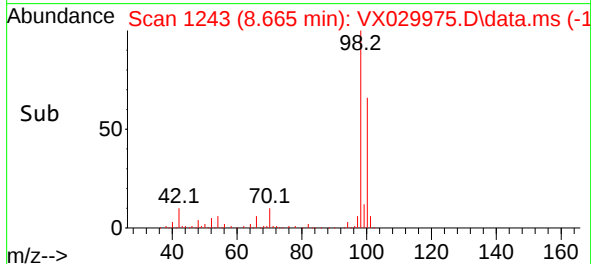
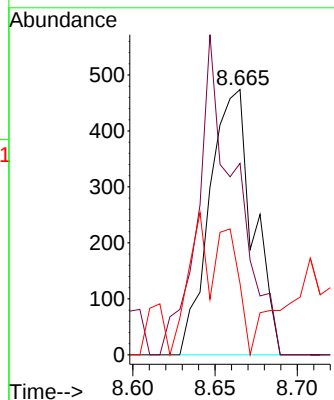
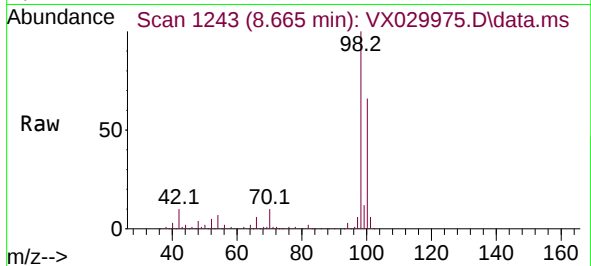




#51
Ethyl methacrylate
Concen: 0.219 ug/l
RT: 8.665 min Scan# 11
Delta R.T. -0.451 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

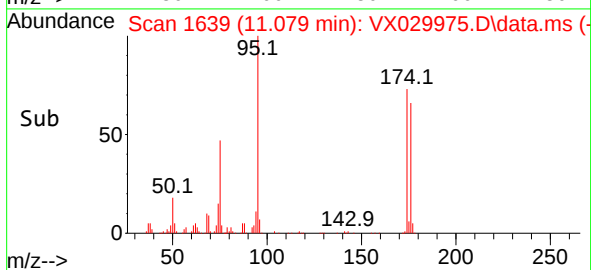
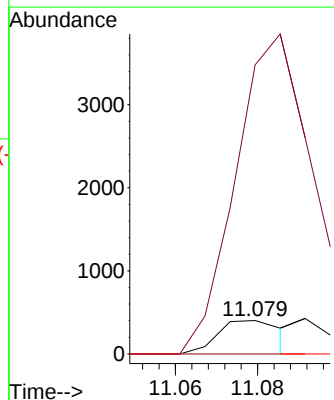
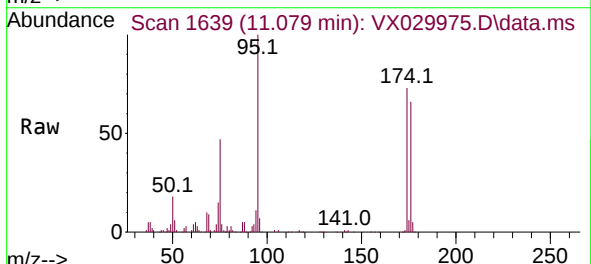
Instrument :
MSVOA_X
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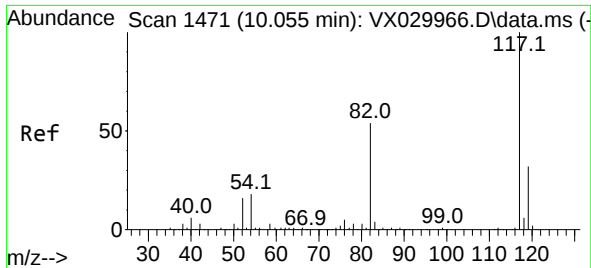
Tgt Ion: 69 Resp: 870
Ion Ratio Lower Upper
69 100
41 72.2 32.1 96.5
39 12.9 18.3 54.9#



#56
Bromoform
Concen: 0.264 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

Tgt Ion: 173 Resp: 436
Ion Ratio Lower Upper
173 100
175 1181.7 40.3 60.5#
254 0.0 7.4 11.2#

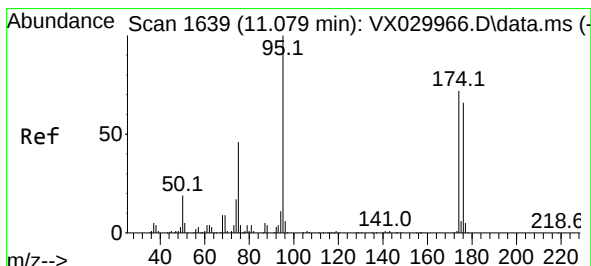
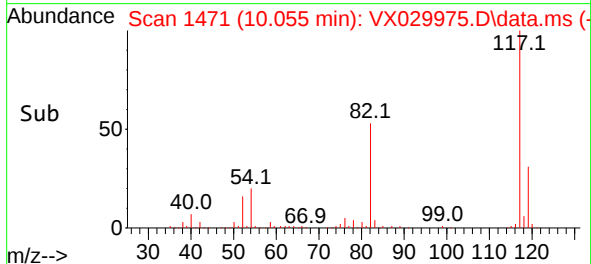
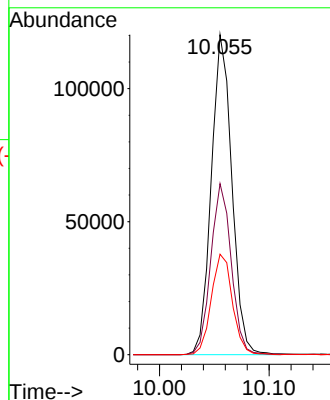
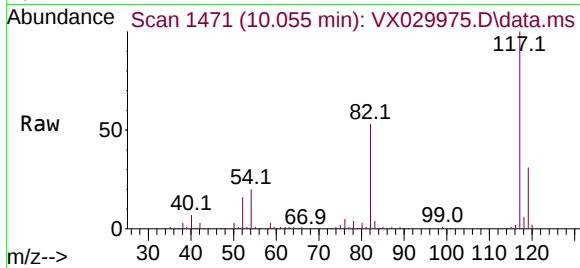




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

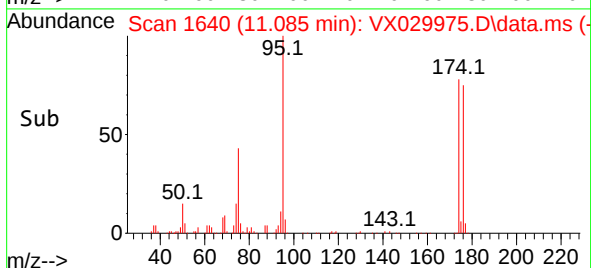
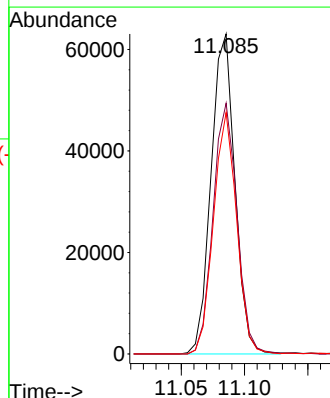
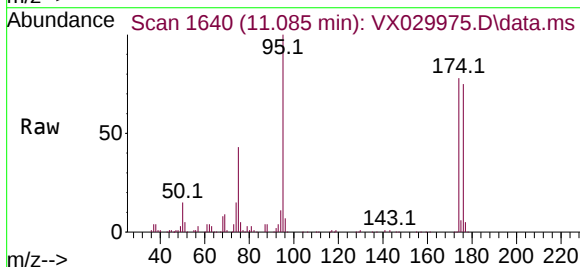
Instrument :
MSVOA_X
ClientSampleId :
TT-047-IDWGW-20220706

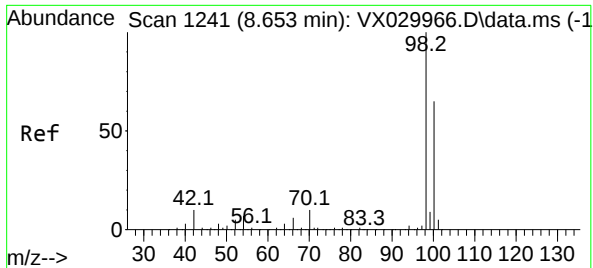
Tgt Ion:	117	Resp:	156928
Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.3	63.5
119	31.9	26.2	39.2



#60
4-Bromofluorobenzene
Concen: 27.926 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

Tgt Ion:	95	Resp:	82589
Ion	Ratio	Lower	Upper
95	100		
174	78.9	65.4	98.2
176	73.2	63.4	95.0

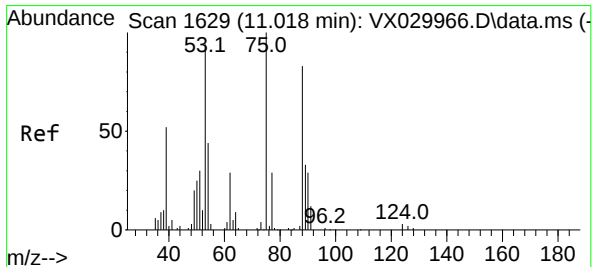
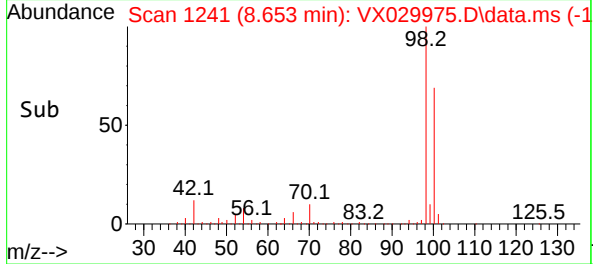
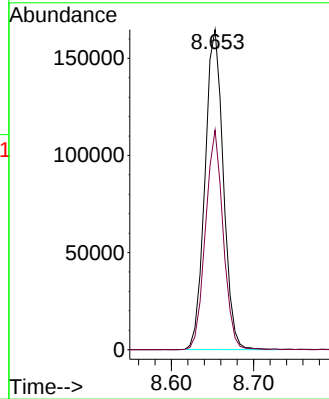
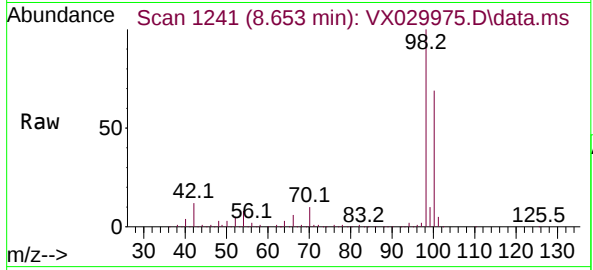




#63
Toluene-d8
Concen: 29.963 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

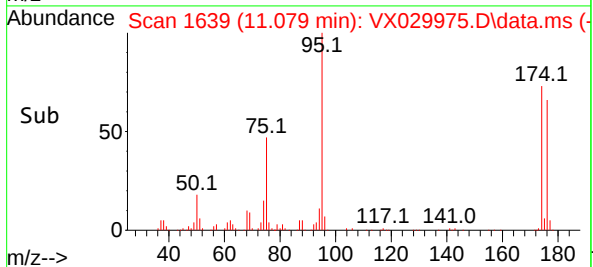
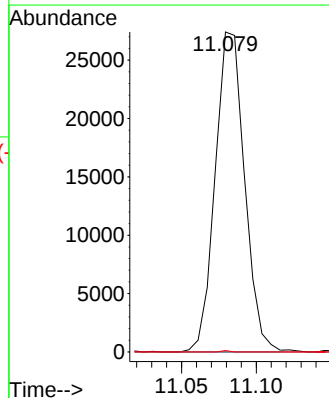
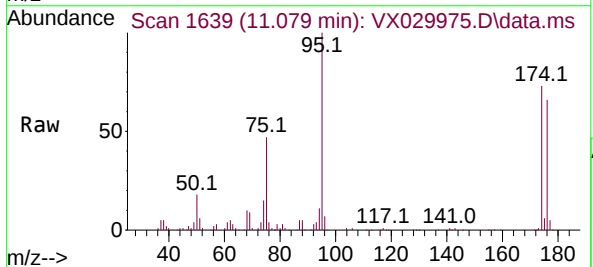
Instrument :
MSVOA_X
ClientSampleId :
TT-047-IDWGW-20220706

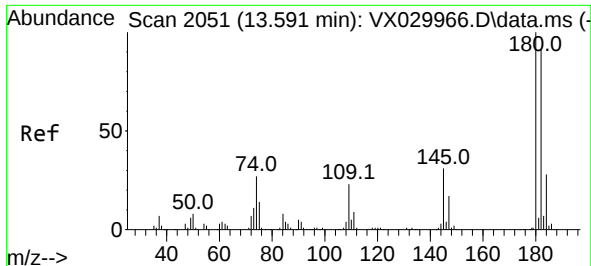
Tgt Ion: 98 Resp: 254963
Ion Ratio Lower Upper
98 100
100 66.2 51.4 77.2



#77
t-1,4-Dichloro-2-butene
Concen: 30.915 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029975.D
Acq: 08 Jul 2022 16:05

Tgt Ion: 75 Resp: 37514
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.4 23.1 69.2#





#89

1,2,4-Trichlorobenzene

Concen: 0.252 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX029975.D

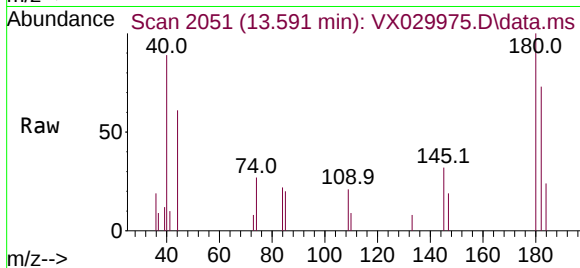
Acq: 08 Jul 2022 16:05

Instrument :

MSVOA_X

ClientSampleId :

TT-047-IDWGW-20220706



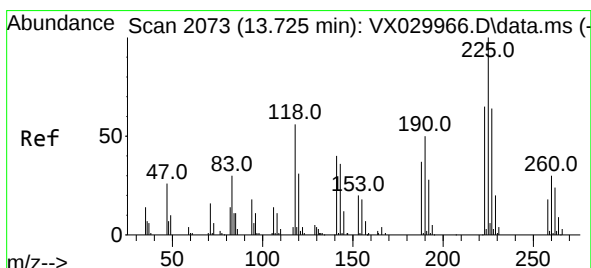
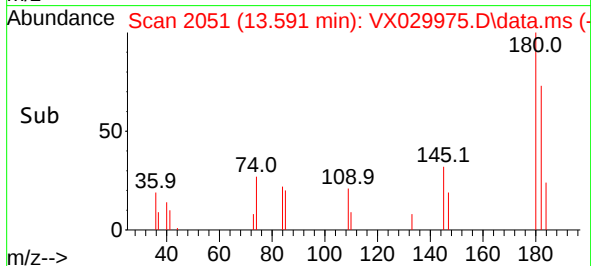
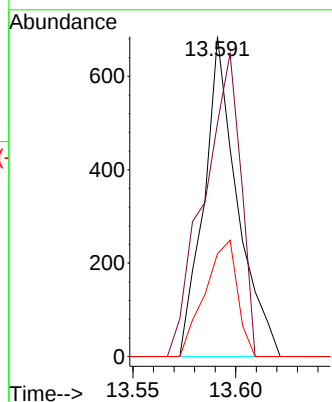
Tgt Ion:180 Resp: 770

Ion Ratio Lower Upper

180 100

182 104.7 77.4 116.2

145 35.5 24.2 36.4



#90

Hexachlorobutadiene

Concen: 0.275 ug/l

RT: 13.731 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VX029975.D

Acq: 08 Jul 2022 16:05

Tgt Ion:225 Resp: 319

Ion Ratio Lower Upper

225 100

223 48.3 0.0 126.0

227 87.1 0.0 125.0

