

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029917.D
 Acq On : 05 Jul 2022 13:54
 Operator : JC/MD
 Sample : PB145991ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#03

Quant Time: Jul 06 06:54:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

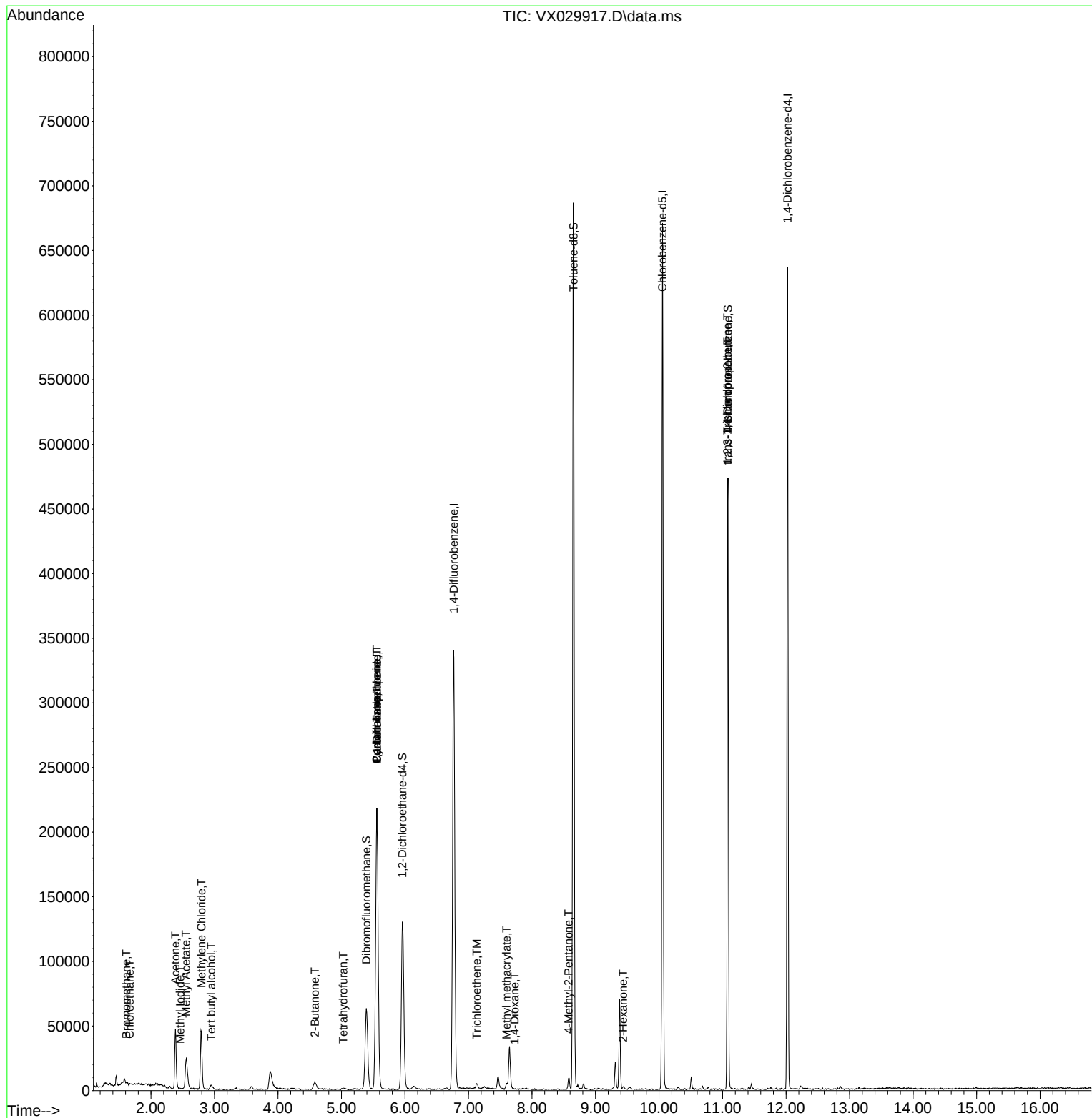
Internal Standards						
1) Pentafluorobenzene	5.556	168	212891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	367506	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	311471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	116400	43.194	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.380%
35) Dibromofluoromethane	5.391	113	56290	24.509	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	49.020%#
50) Toluene-d8	8.653	98	417117	48.411	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.820%
62) 4-Bromofluorobenzene	11.085	95	136180	44.713	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.420%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	352	0.269	ug/l #	47
6) Chloroethane	1.666	64	514	1.324	ug/l #	41
10) Methyl Iodide	2.459	142	497	2.037	ug/l #	67
11) Tert butyl alcohol	2.947	59	2368	3.360	ug/l #	74
13) Acrolein	2.215	56	41	Below Cal	#	1
16) Acetone	2.386	43	48441	36.742	ug/l	95
18) Methyl Acetate	2.550	43	7955	1.957	ug/l #	51
20) Methylene Chloride	2.794	84	20169	7.244	ug/l	98
25) 2-Butanone	4.580	43	5151	2.251	ug/l #	80
29) Tetrahydrofuran	5.026	42	636	0.422	ug/l #	84
31) Cyclohexane	5.556	56	4410	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	15990	5.235	ug/l #	47
38) Carbon Tetrachloride	5.556	117	19767	7.468	ug/l #	17
44) Trichloroethene	7.129	130	1799	0.676	ug/l	67
48) Methyl methacrylate	7.598	41	7106	2.382	ug/l #	20
49) 1,4-Dioxane	7.726	88	41	0.580	ug/l #	25
51) 4-Methyl-2-Pentanone	8.574	43	5760	1.388	ug/l	93
59) 2-Hexanone	9.433	43	1435	0.446	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	63252	20.255	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	63252	64.324	ug/l #	12

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

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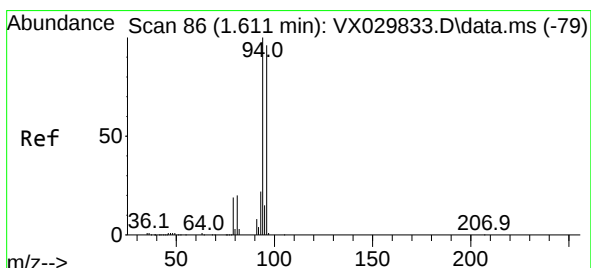
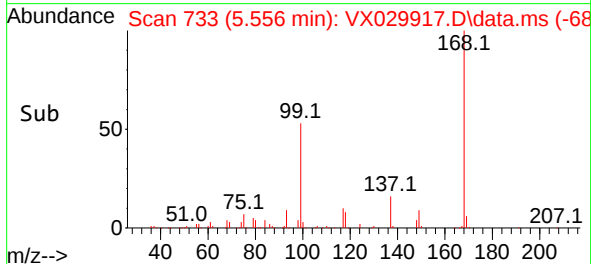
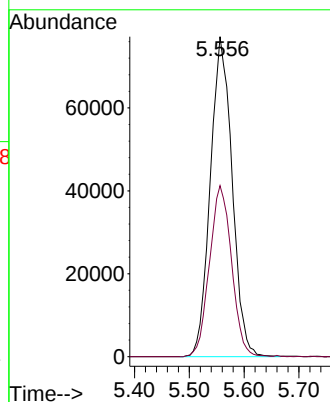
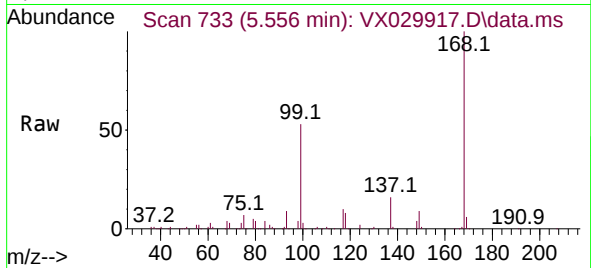




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

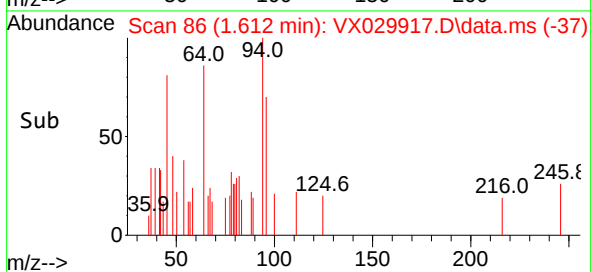
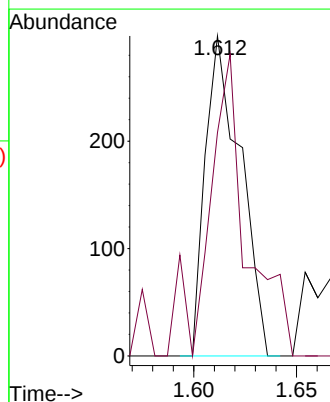
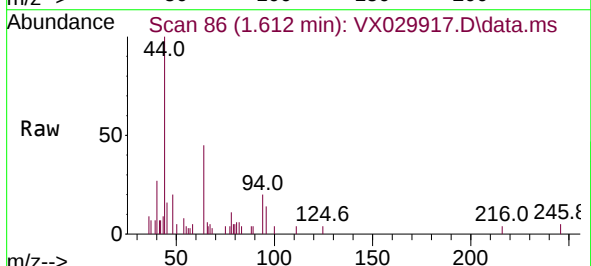
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#03

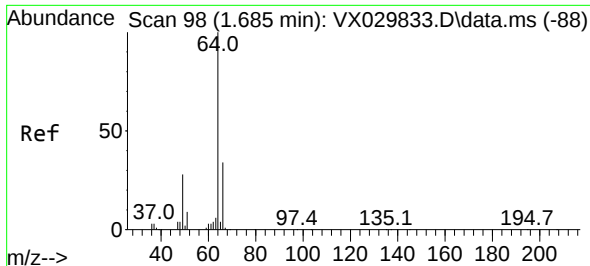
Tgt Ion:168 Resp: 212891
Ion Ratio Lower Upper
168 100
99 53.5 44.0 66.0



#5
Bromomethane
Concen: 0.269 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

Tgt Ion: 94 Resp: 352
Ion Ratio Lower Upper
94 100
96 44.3 76.9 115.3#

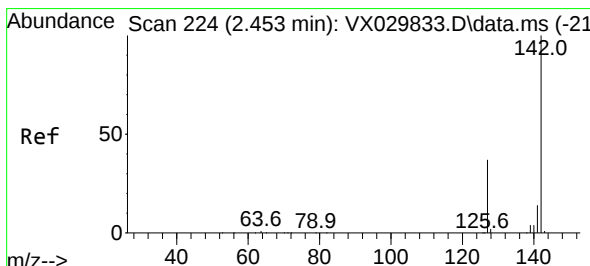
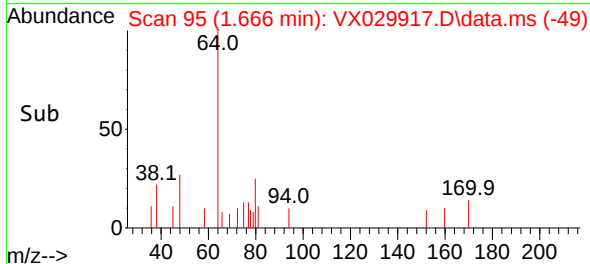
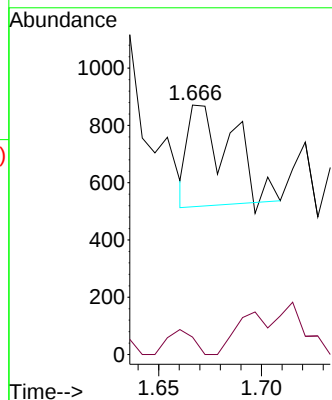
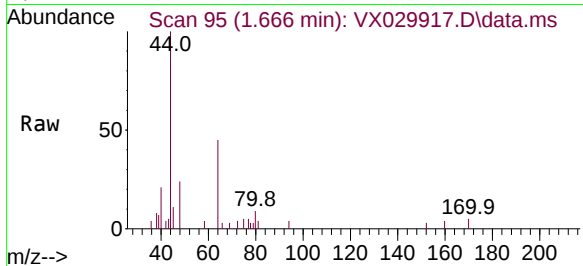




#6
Chloroethane
Concen: 1.324 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

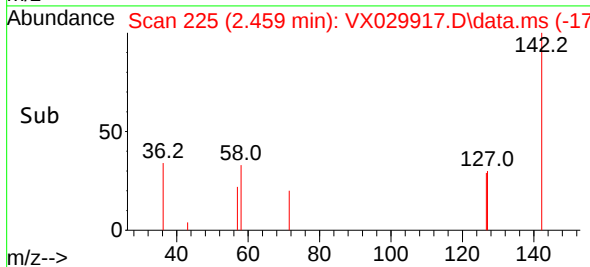
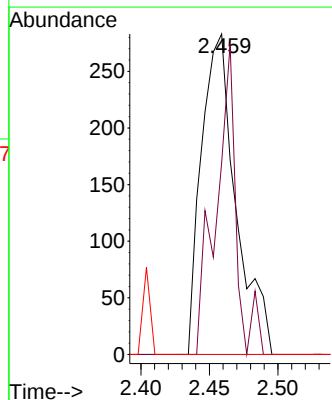
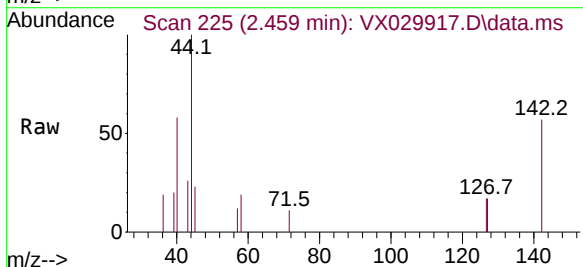
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#03

Tgt Ion: 64 Resp: 514
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 2.037 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

Tgt Ion: 142 Resp: 497
Ion Ratio Lower Upper
142 100
127 56.9 30.2 45.2#
141 0.0 11.3 16.9#

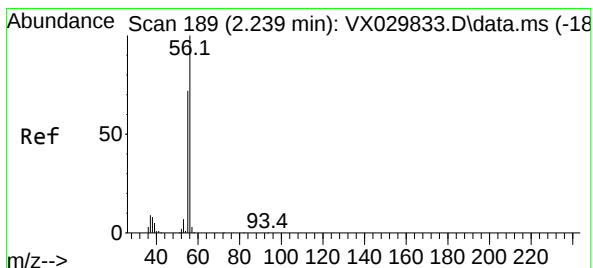
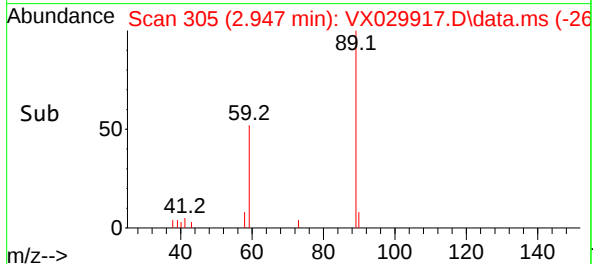
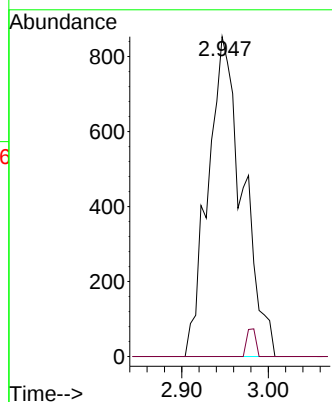
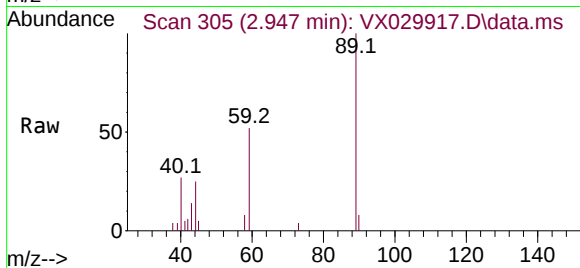




#11
Tert butyl alcohol
Concen: 3.360 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

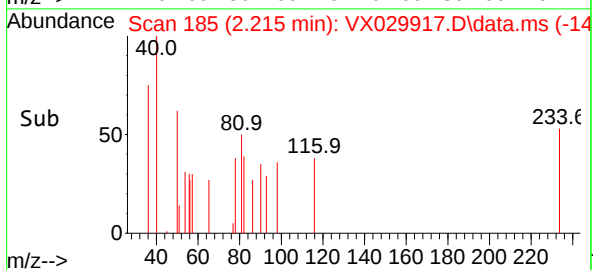
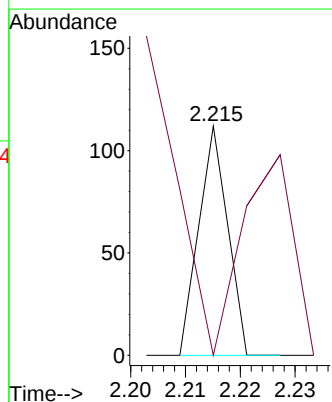
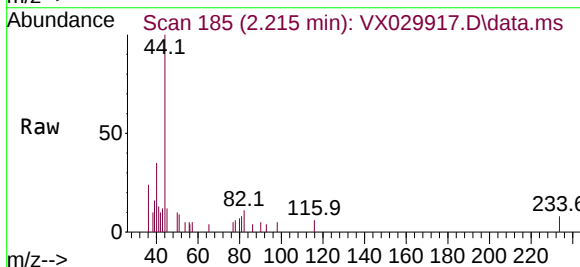
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#03

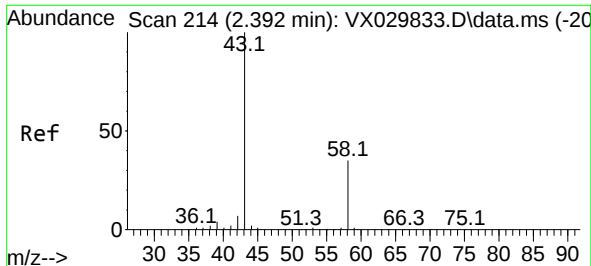
Tgt Ion: 59 Resp: 2368
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: Below Cal
RT: 2.215 min Scan# 185
Delta R.T. -0.024 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 153.7 56.6 84.8#

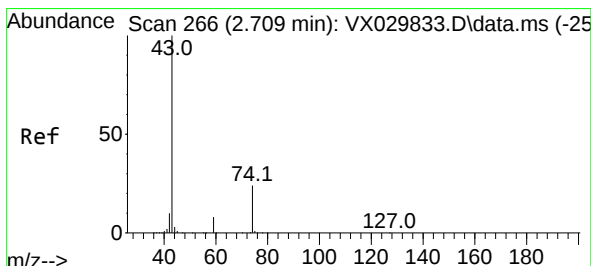
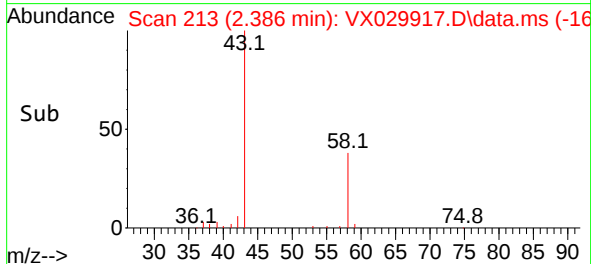
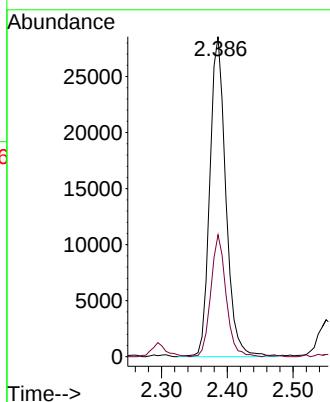
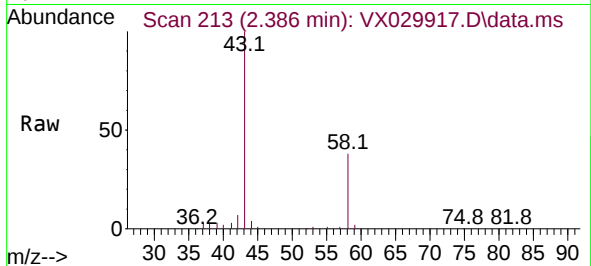




#16
Acetone
Concen: 36.742 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

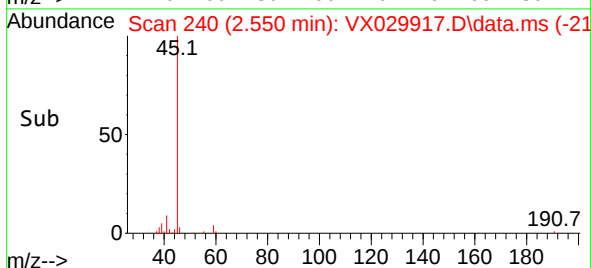
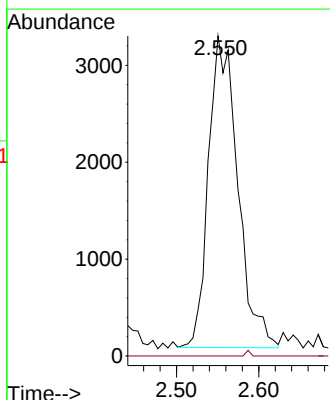
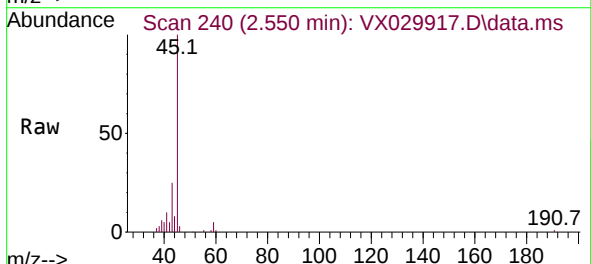
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#03

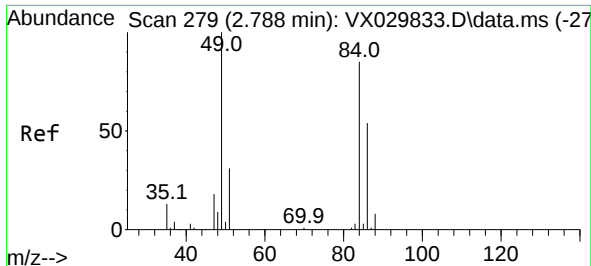
Tgt Ion: 43 Resp: 48441
Ion Ratio Lower Upper
43 100
58 37.7 27.7 41.5



#18
Methyl Acetate
Concen: 1.957 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.158 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

Tgt Ion: 43 Resp: 7955
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#

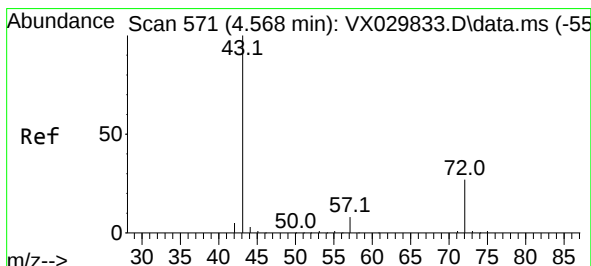
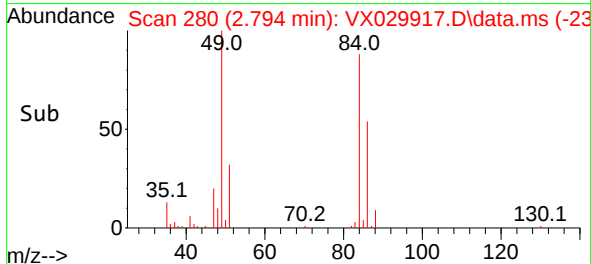
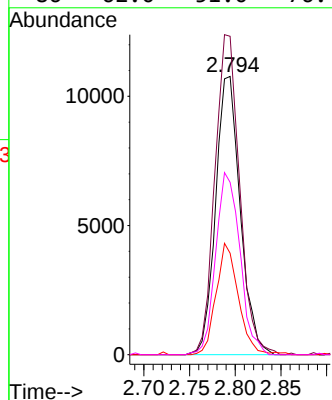
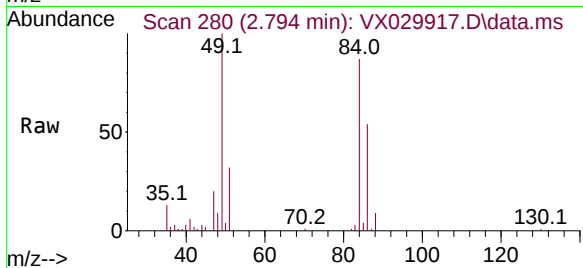




#20
Methylene Chloride
Concen: 7.244 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

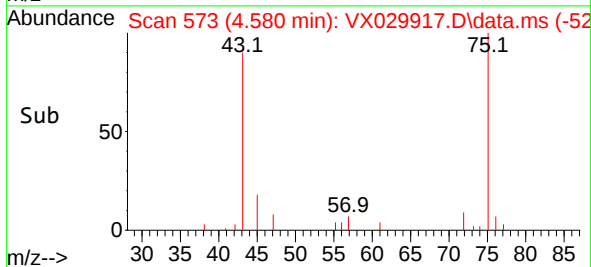
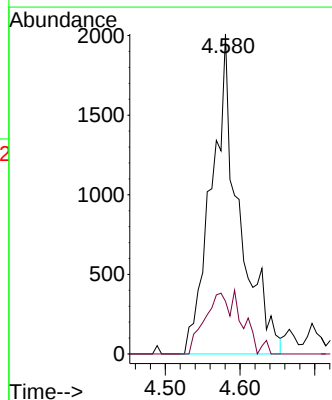
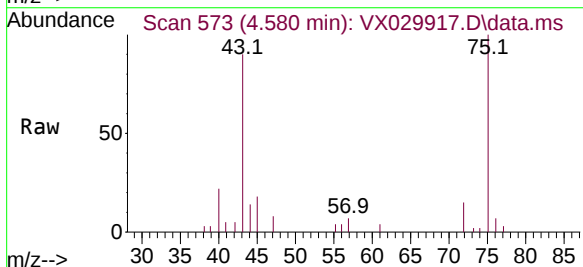
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#03

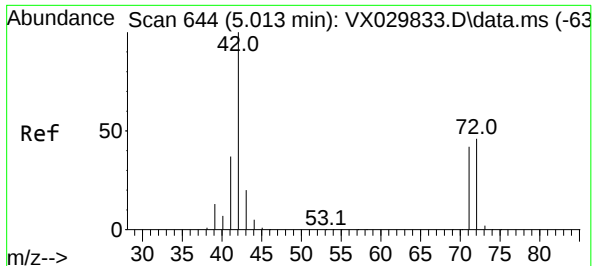
Tgt Ion: 84	Resp: 20169
Ion Ratio	Lower Upper
84 100	
49 114.5	93.8 140.6
51 36.5	29.4 44.0
86 62.0	51.0 76.4



#25
2-Butanone
Concen: 2.251 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

Tgt Ion: 43	Resp: 5151		
Ion Ratio	Lower	Upper	
43 100			
72 16.5	21.7	32.5#	





#29

Tetrahydrofuran

Concen: 0.422 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX029917.D

Acq: 05 Jul 2022 13:54

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#03

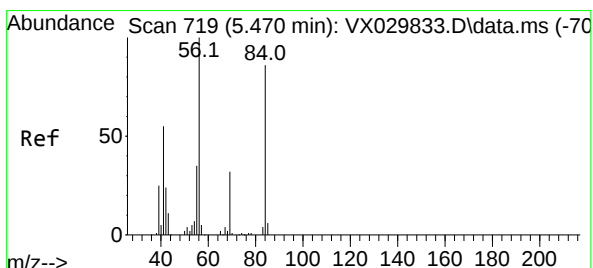
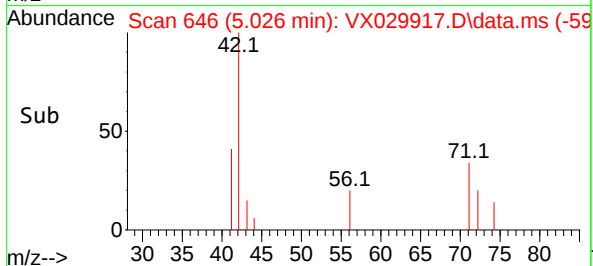
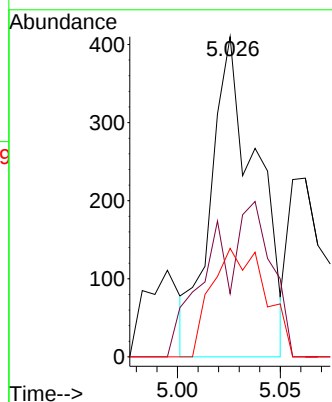
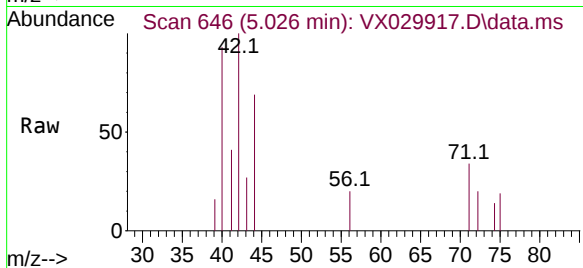
Tgt Ion: 42 Resp: 636

Ion Ratio Lower Upper

42 100

72 63.5 36.5 54.7#

71 40.3 33.9 50.9



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX029917.D

Acq: 05 Jul 2022 13:54

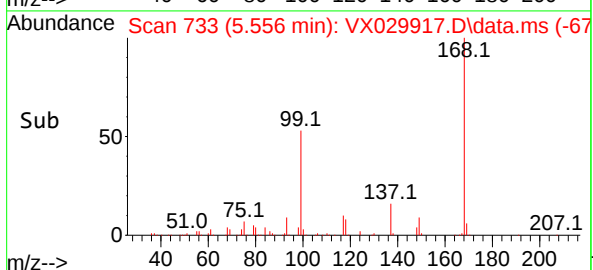
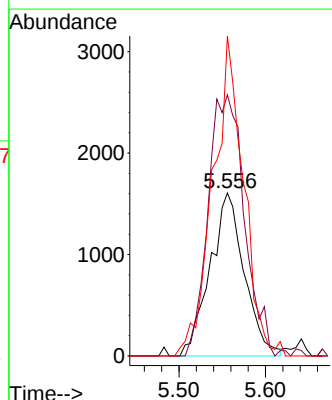
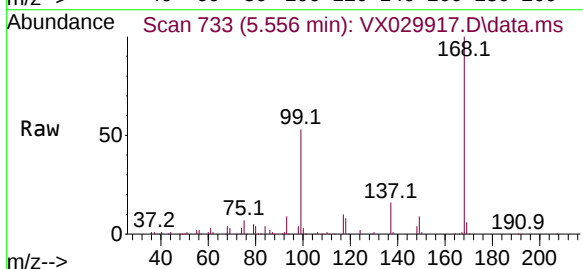
Tgt Ion: 56 Resp: 4410

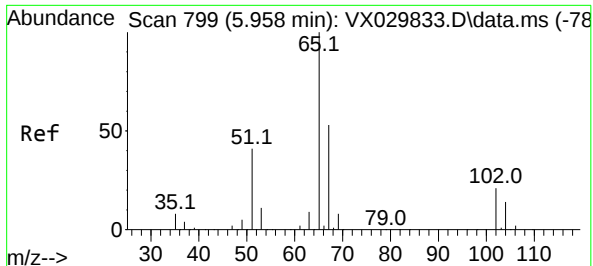
Ion Ratio Lower Upper

56 100

69 160.1 25.4 38.0#

84 191.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 43.194 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029917.D

Acq: 05 Jul 2022 13:54

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ClientSampleId :

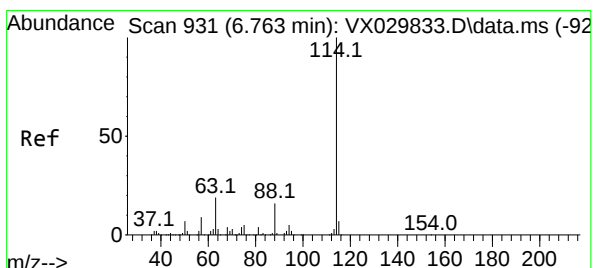
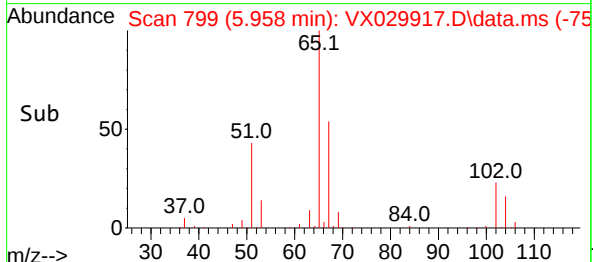
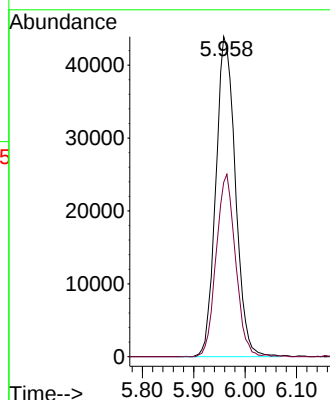
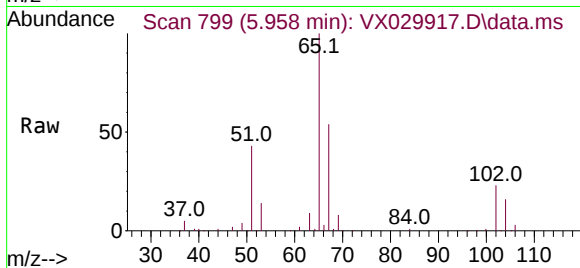
PB145991ZHE#03

Tgt Ion: 65 Resp: 116400

Ion Ratio Lower Upper

65 100

67 56.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029917.D

Acq: 05 Jul 2022 13:54

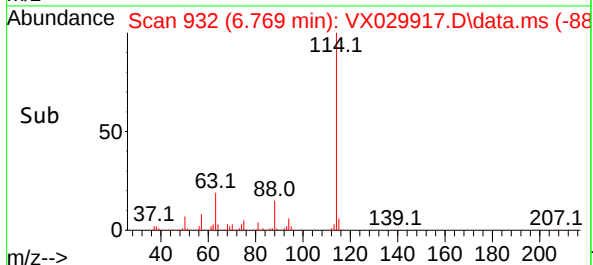
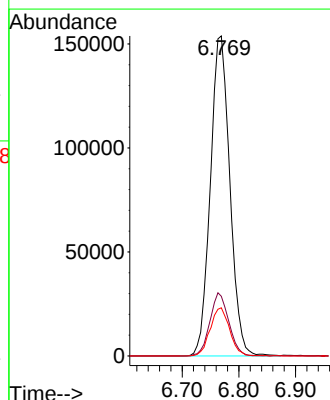
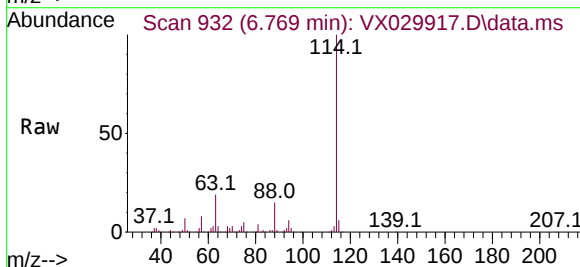
Tgt Ion: 114 Resp: 367506

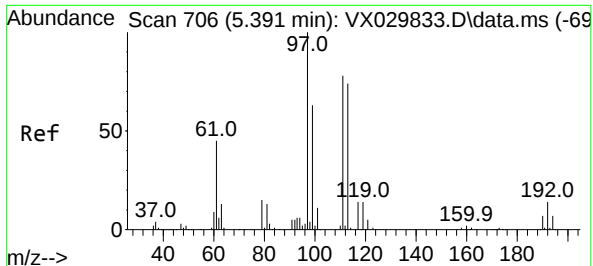
Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 24.509 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029917.D

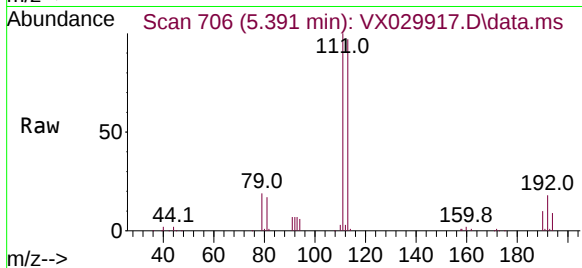
Acq: 05 Jul 2022 13:54

Instrument :

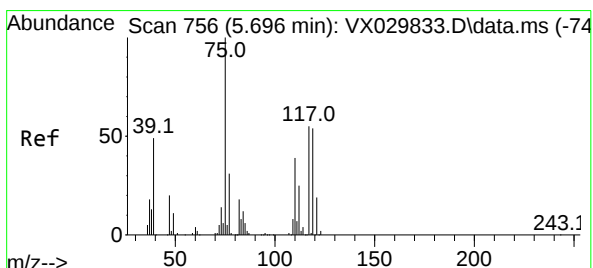
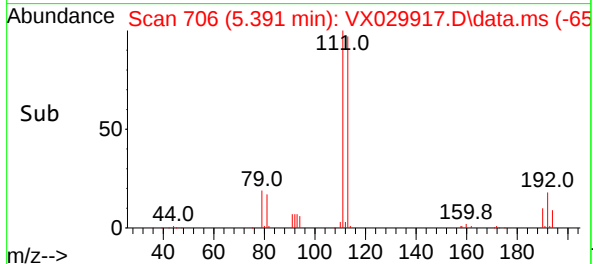
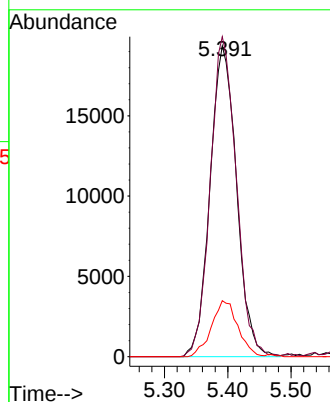
MSVOA_X

ClientSampleId :

PB145991ZHE#03



Tgt Ion:	113	Resp:	56290
Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.2	124.8
192	17.9	14.8	22.2



#36

1,1-Dichloropropene

Concen: 5.235 ug/l

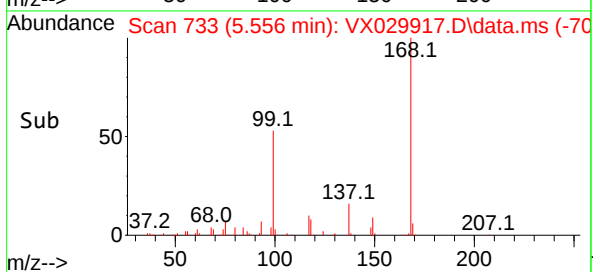
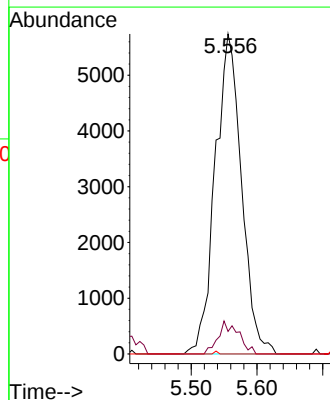
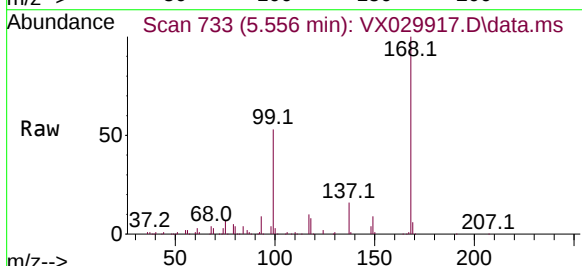
RT: 5.556 min Scan# 733

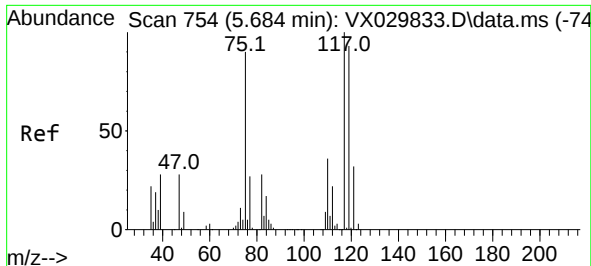
Delta R.T. -0.140 min

Lab File: VX029917.D

Acq: 05 Jul 2022 13:54

Tgt Ion:	75	Resp:	15990
Ion	Ratio	Lower	Upper
75	100		
110	7.9	19.3	57.9#
77	0.1	24.4	36.6#

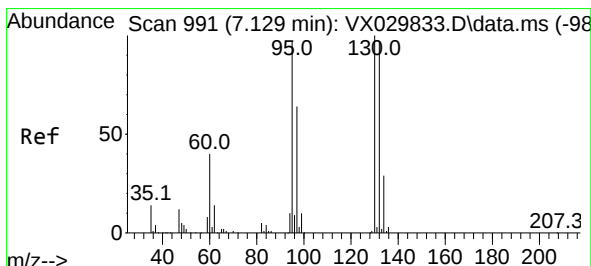
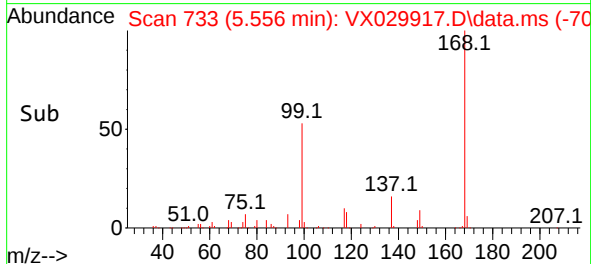
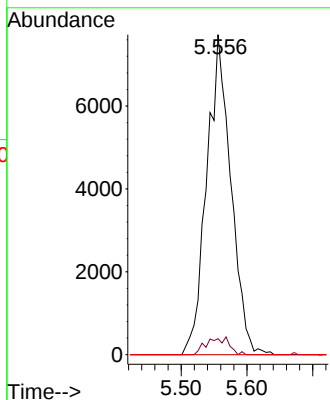
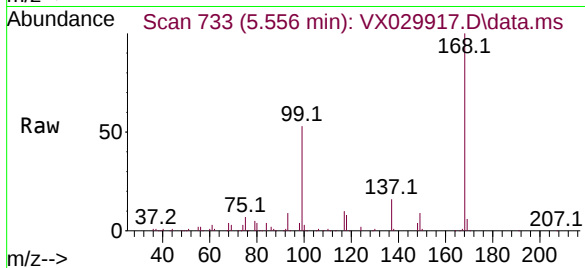




#38
Carbon Tetrachloride
Concen: 7.468 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

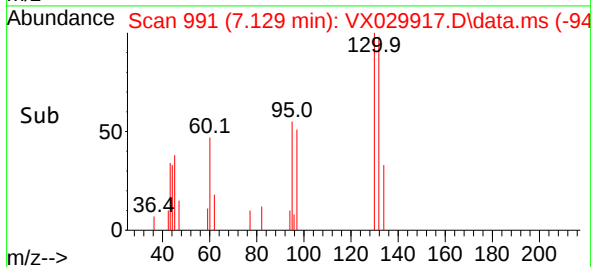
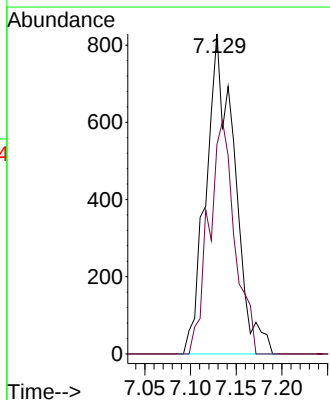
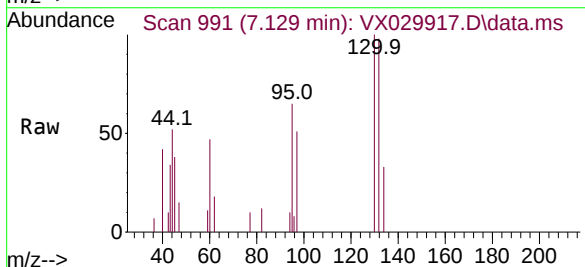
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#03

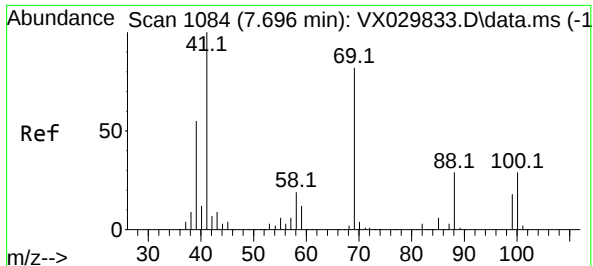
Tgt Ion:117 Resp: 19767
Ion Ratio Lower Upper
117 100
119 5.0 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.676 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

Tgt Ion:130 Resp: 1799
Ion Ratio Lower Upper
130 100
95 65.4 0.0 194.8





#48

Methyl methacrylate

Concen: 2.382 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.097 min

Lab File: VX029917.D

Acq: 05 Jul 2022 13:54

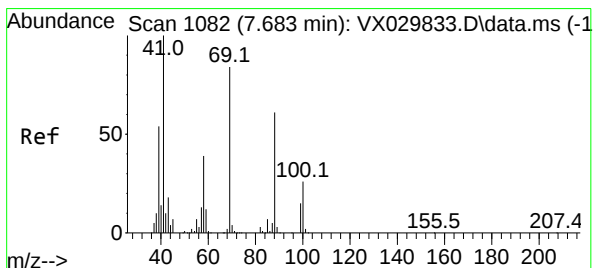
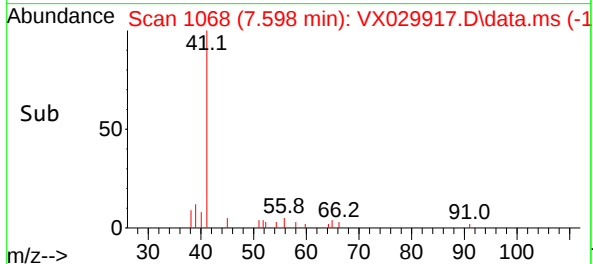
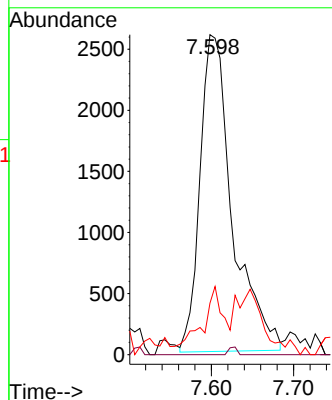
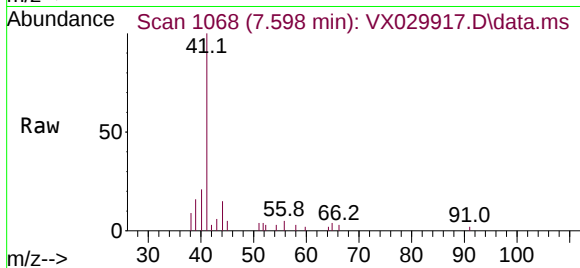
Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#03

Tgt Ion:	41	Resp:	7106
Ion	Ratio	Lower	Upper
41	100		
69	0.0	68.8	103.2#
39	12.8	44.6	66.8#



#49

1,4-Dioxane

Concen: 0.580 ug/l

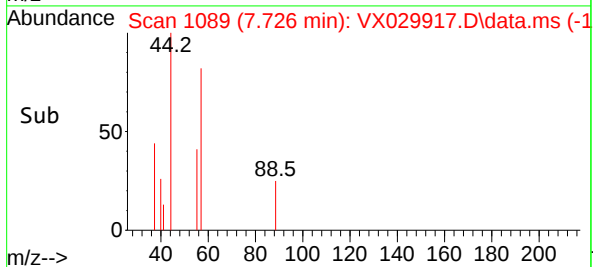
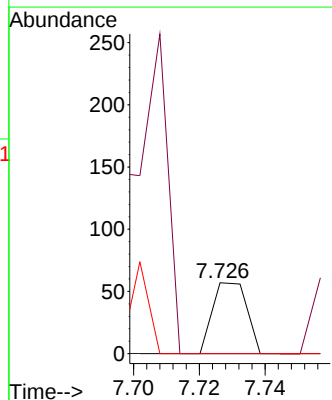
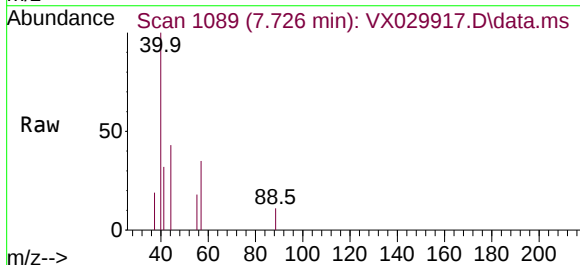
RT: 7.726 min Scan# 1089

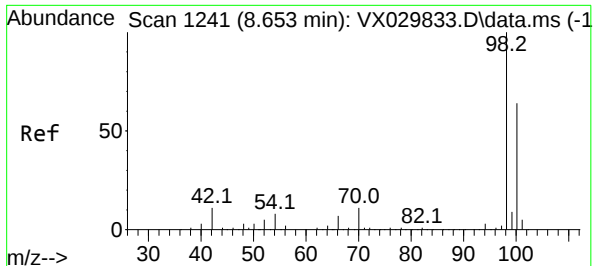
Delta R.T. 0.043 min

Lab File: VX029917.D

Acq: 05 Jul 2022 13:54

Tgt Ion:	88	Resp:	41
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	0.0	53.8	80.6#





#50

Toluene-d8

Concen: 48.411 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX029917.D

Acq: 05 Jul 2022 13:54

Instrument :

MSVOA_X

ClientSampleId :

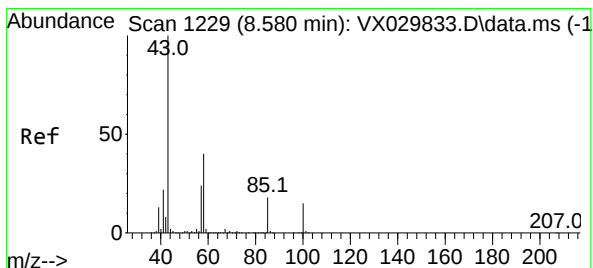
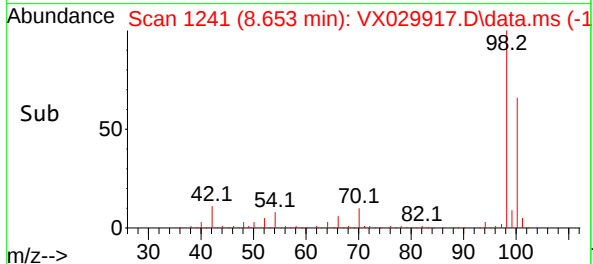
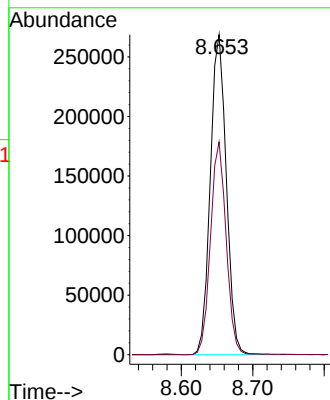
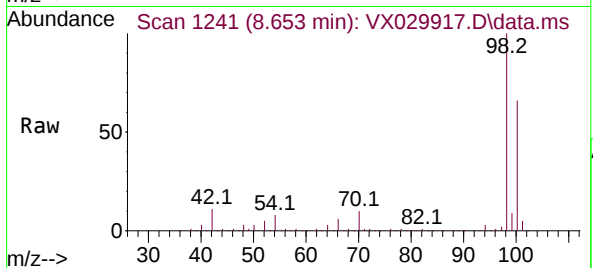
PB145991ZHE#03

Tgt Ion: 98 Resp: 417117

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.388 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VX029917.D

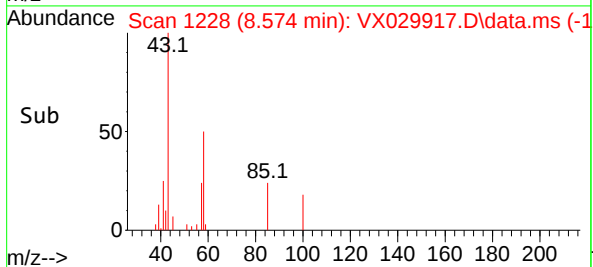
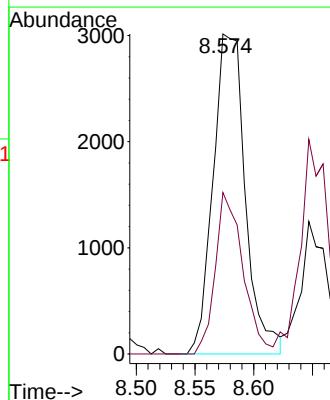
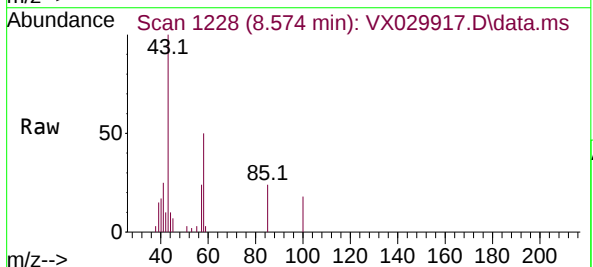
Acq: 05 Jul 2022 13:54

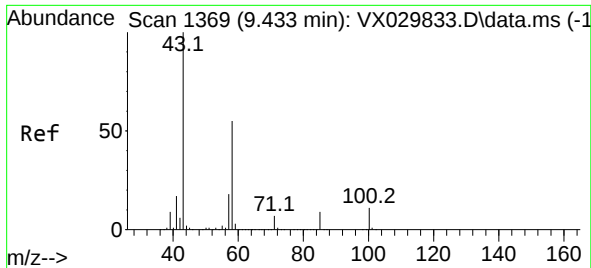
Tgt Ion: 43 Resp: 5760

Ion Ratio Lower Upper

43 100

58 43.3 31.4 47.2

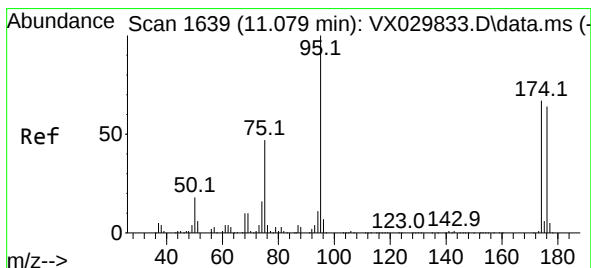
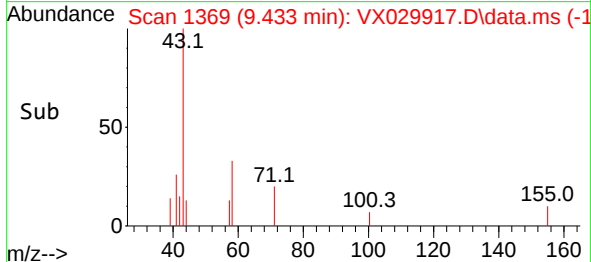
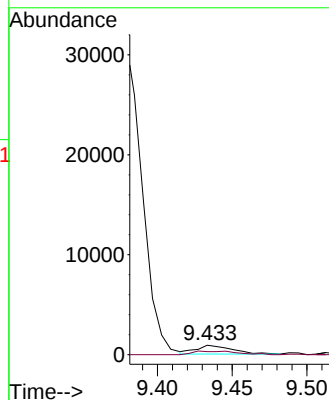
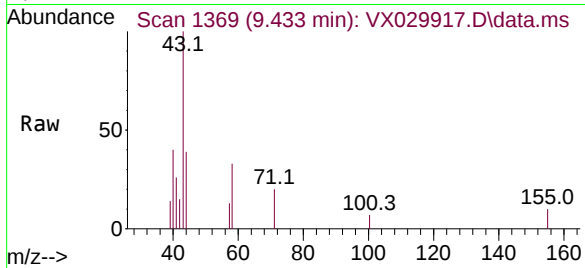




#59
2-Hexanone
Concen: 0.446 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

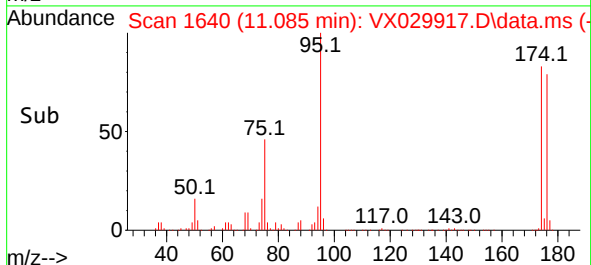
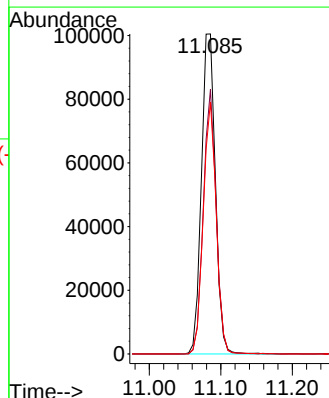
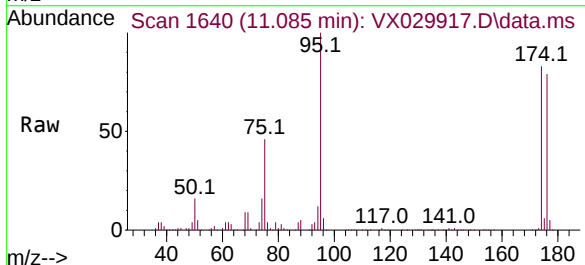
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#03

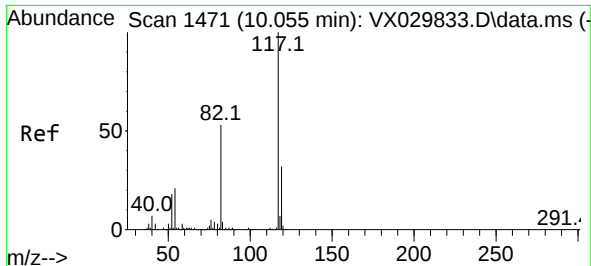
Tgt Ion: 43 Resp: 1435
Ion Ratio Lower Upper
43 100
58 50.5 27.6 82.8



#62
4-Bromofluorobenzene
Concen: 44.713 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

Tgt Ion: 95 Resp: 136180
Ion Ratio Lower Upper
95 100
174 75.9 0.0 149.0
176 73.5 0.0 146.0

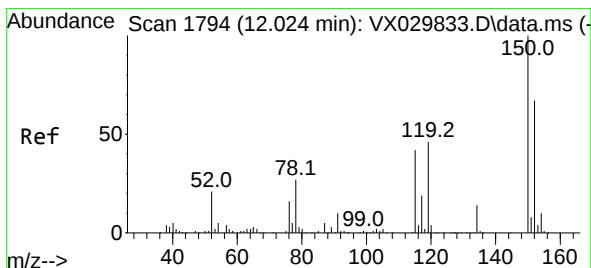
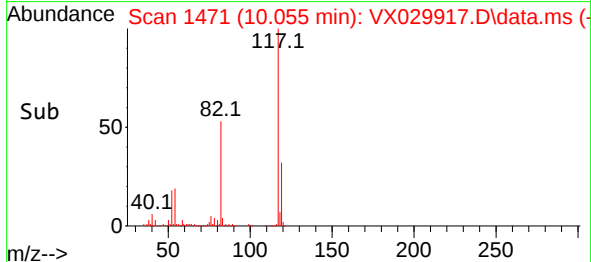
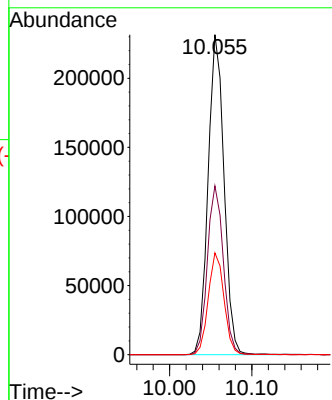
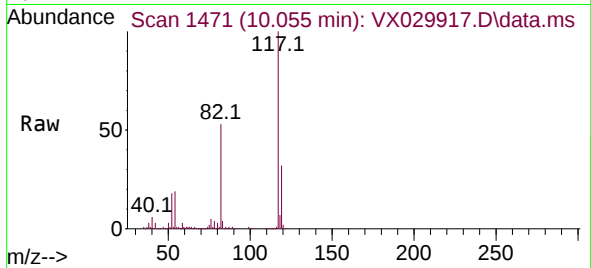




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

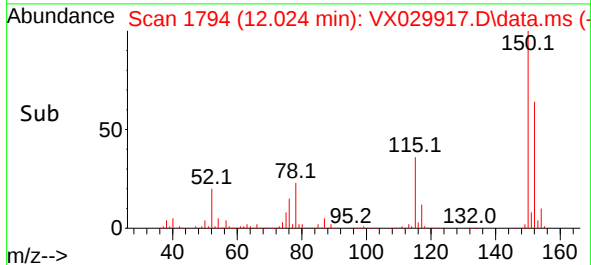
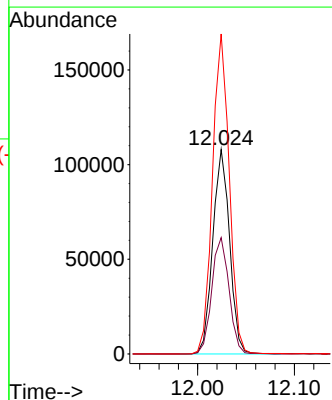
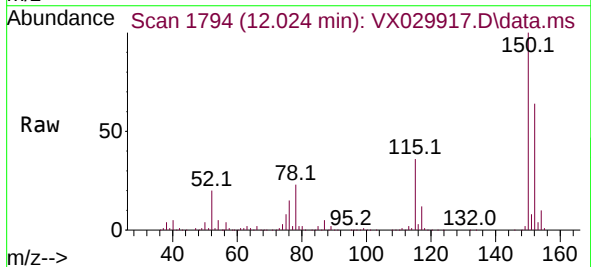
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#03

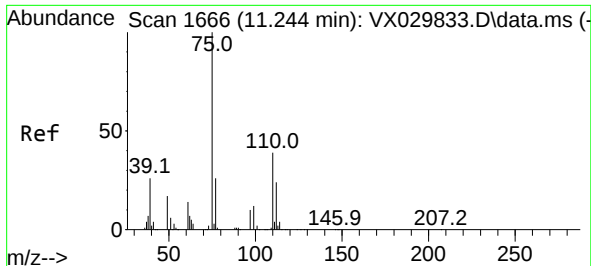
Tgt Ion:117 Resp: 311471
Ion Ratio Lower Upper
117 100
82 52.8 42.7 64.1
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

Tgt Ion:152 Resp: 130452
Ion Ratio Lower Upper
152 100
115 58.4 40.5 121.5
150 156.2 0.0 347.0

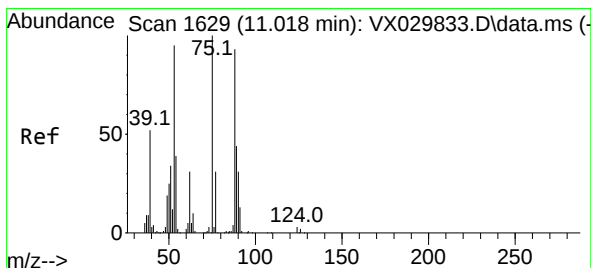
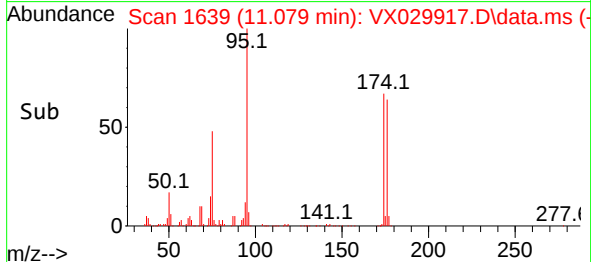
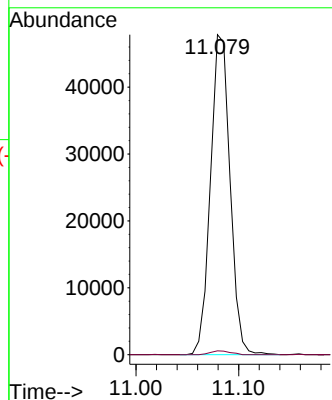
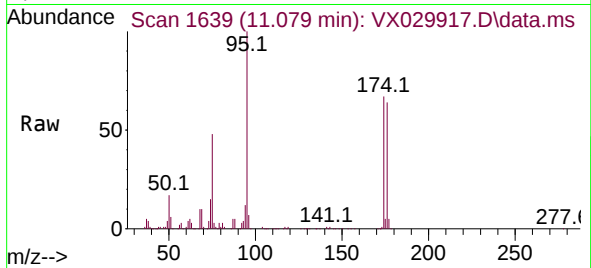




#76
1,2,3-Trichloropropane
Concen: 20.255 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#03

Tgt Ion: 75 Resp: 63252
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.324 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029917.D
Acq: 05 Jul 2022 13:54

Tgt Ion: 75 Resp: 63252
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

