

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029925.D
 Acq On : 05 Jul 2022 17:02
 Operator : JC/MD
 Sample : PB145991ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#11

Quant Time: Jul 06 06:57:35 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)

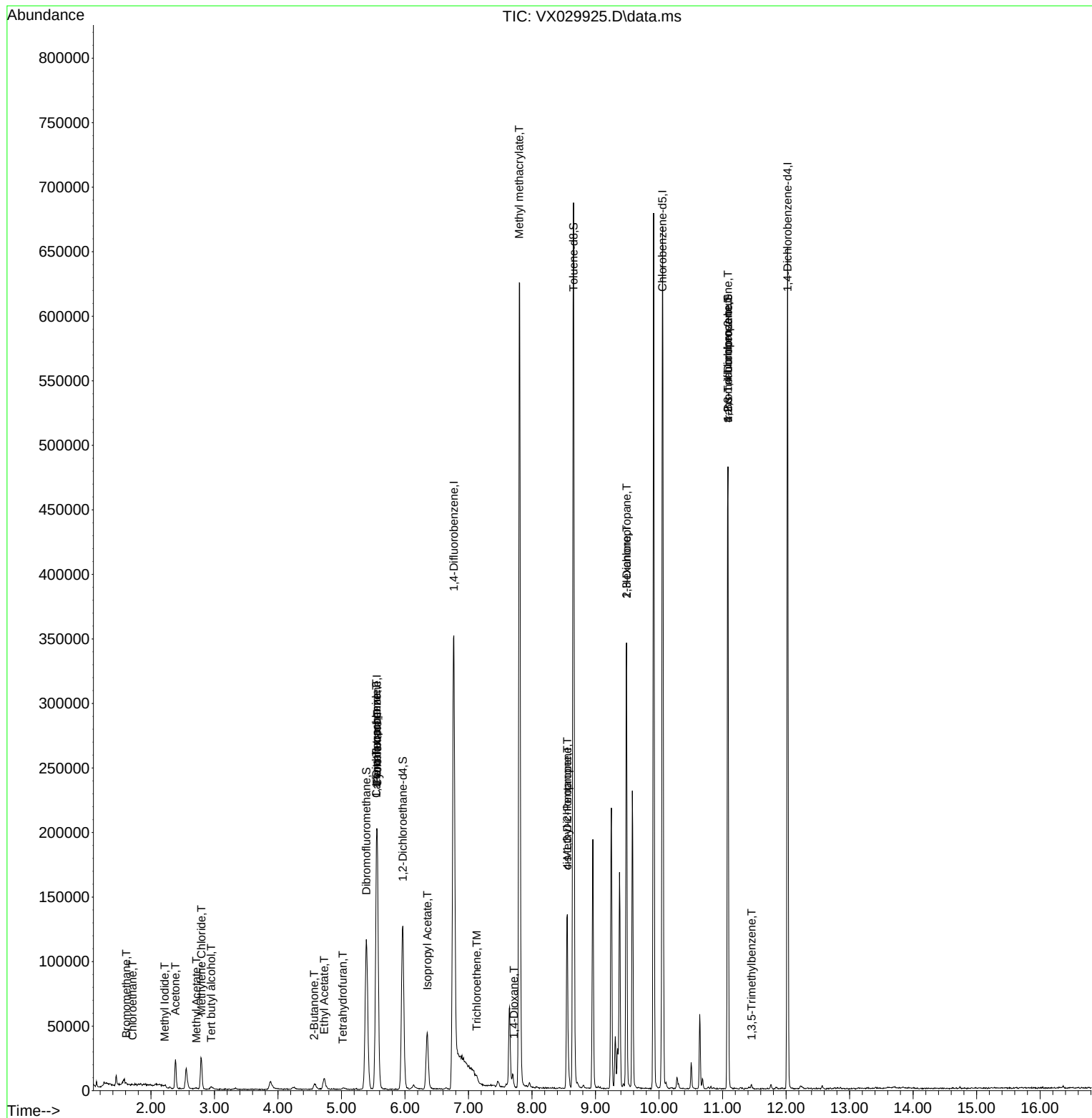
Internal Standards						
1) Pentafluorobenzene	5.556	168	207105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	357720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	308741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	114134	43.536	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.080%		
35) Dibromofluoromethane	5.391	113	103731	46.400	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.800%		
50) Toluene-d8	8.653	98	410837	48.987	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.980%		
62) 4-Bromofluorobenzene	11.085	95	134062	45.222	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.440%		
Target Compounds						Qvalue
5) Bromomethane	1.612	94	304	0.238	ug/l	85
6) Chloroethane	1.709	64	204	1.154	ug/l #	41
10) Methyl Iodide	2.215	142	22	1.881	ug/l #	45
11) Tert butyl alcohol	2.947	59	1781	2.598	ug/l #	74
13) Acrolein	2.252	56	22	Below Cal	#	20
16) Acetone	2.386	43	23248	18.126	ug/l	93
18) Methyl Acetate	2.715	43	1267	0.320	ug/l	91
20) Methylene Chloride	2.794	84	11588	4.278	ug/l	86
25) 2-Butanone	4.568	43	6622	2.975	ug/l	93
29) Tetrahydrofuran	5.019	42	686	0.468	ug/l #	76
31) Cyclohexane	5.562	56	4045	1.107	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	15140	5.092	ug/l #	48
37) Ethyl Acetate	4.727	43	13408	3.297	ug/l #	92
38) Carbon Tetrachloride	5.550	117	19665	7.633	ug/l #	18
43) Isopropyl Acetate	6.355	43	60206	9.832	ug/l	98
44) Trichloroethene	7.129	130	1459	0.563	ug/l	62
48) Methyl methacrylate	7.799	41	50986	17.561	ug/l #	41
49) 1,4-Dioxane	7.714	88	21	0.305	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	49128	12.167	ug/l #	46
54) cis-1,3-Dichloropropene	8.555	75	22731	6.338	ug/l #	59
57) 1,3-Dichloropropane	9.488	76	2878	0.708	ug/l #	42
59) 2-Hexanone	9.488	43	39773	12.692	ug/l #	52
76) 1,2,3-Trichloropropane	11.085	75	62750	19.929	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	1642	0.208	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.085	75	62750	63.289	ug/l #	12

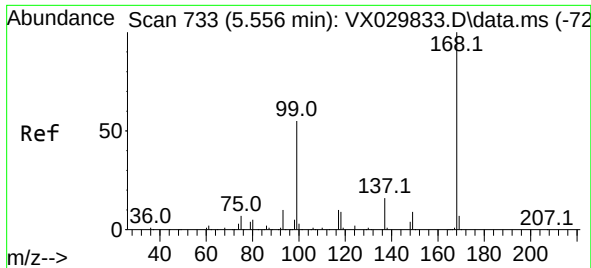
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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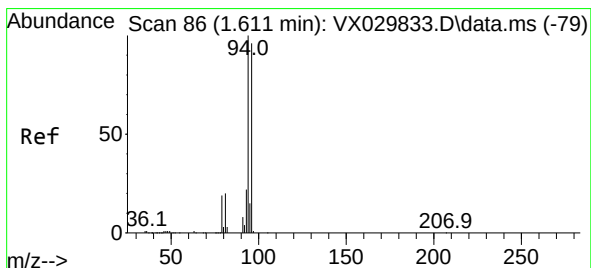
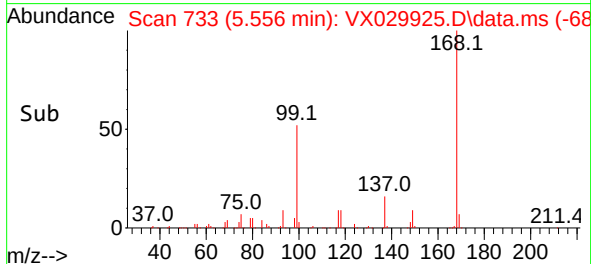
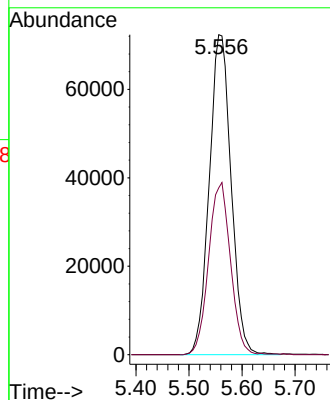
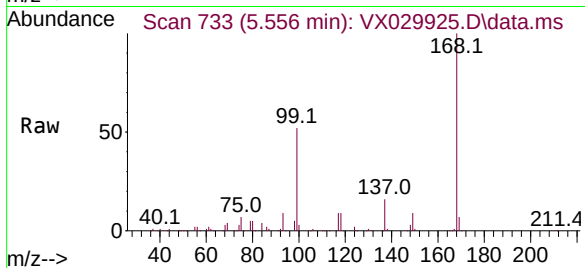




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

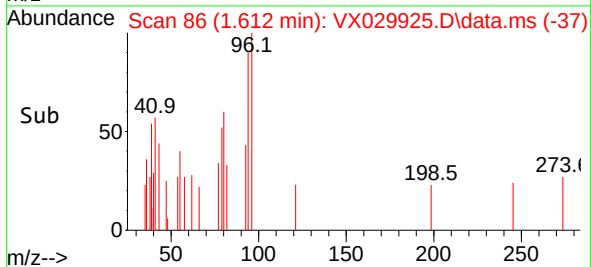
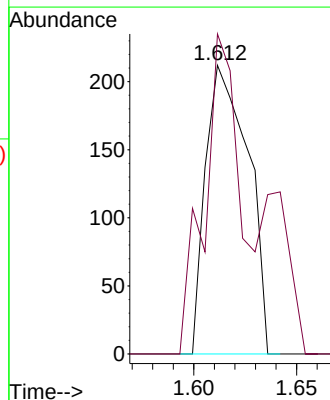
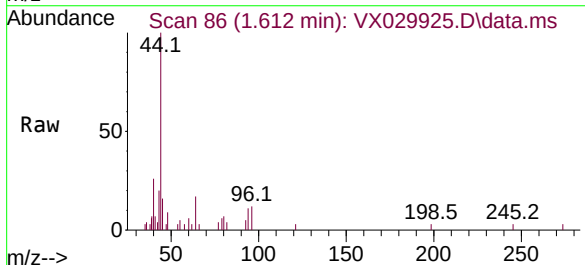
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#11

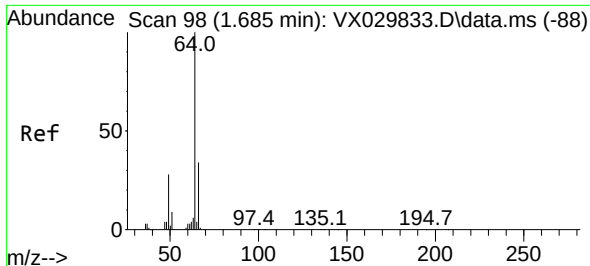
Tgt Ion:168 Resp: 207105
Ion Ratio Lower Upper
168 100
99 52.2 44.0 66.0



#5
Bromomethane
Concen: 0.238 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

Tgt Ion: 94 Resp: 304
Ion Ratio Lower Upper
94 100
96 110.8 76.9 115.3

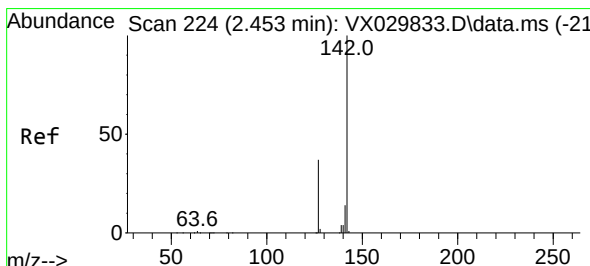
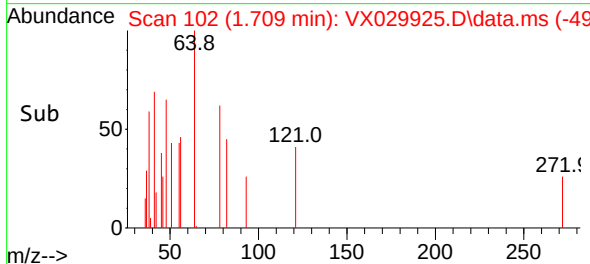
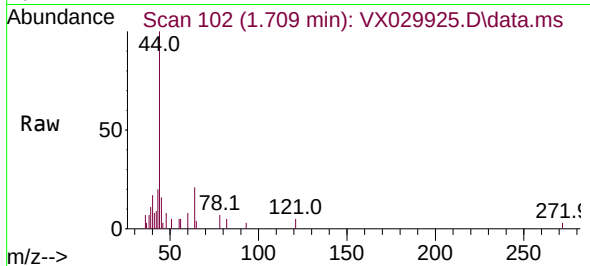




#6
Chloroethane
Concen: 1.154 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.024 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

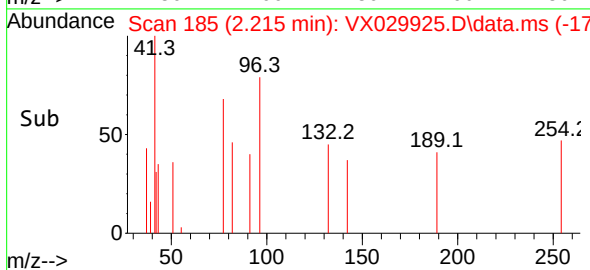
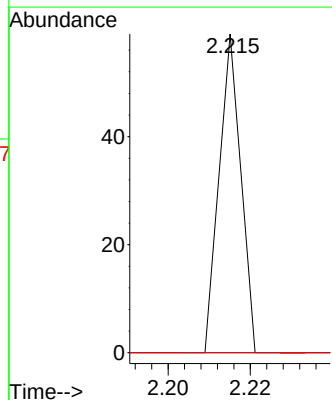
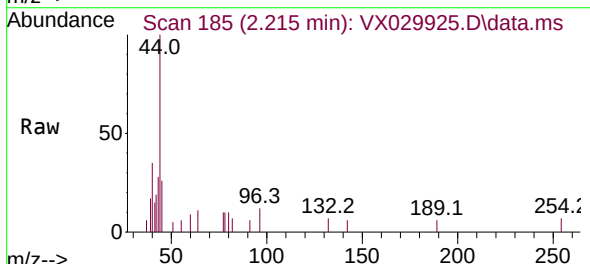
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#11

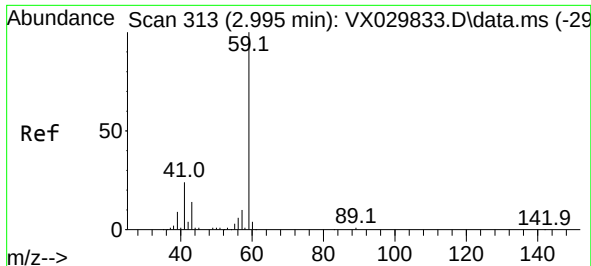
Tgt Ion: 64 Resp: 204
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 1.881 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.238 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

Tgt Ion: 142 Resp: 22
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 2.598 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.049 min

Lab File: VX029925.D

Acq: 05 Jul 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

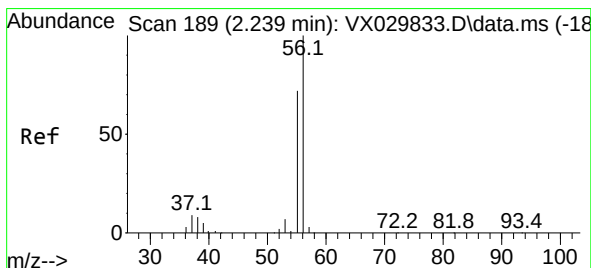
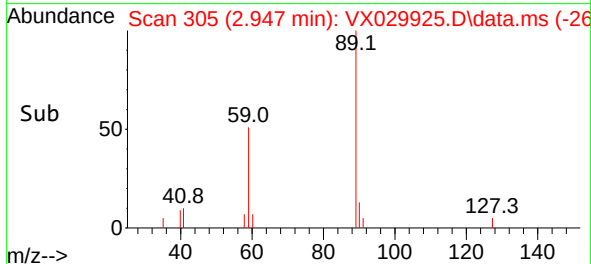
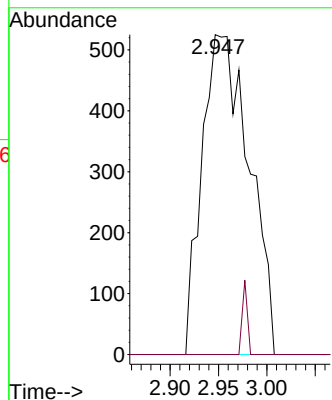
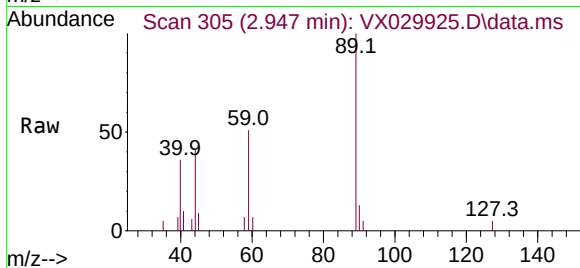
PB145991ZHE#11

Tgt Ion: 59 Resp: 1781

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: Below Cal

RT: 2.252 min Scan# 191

Delta R.T. 0.013 min

Lab File: VX029925.D

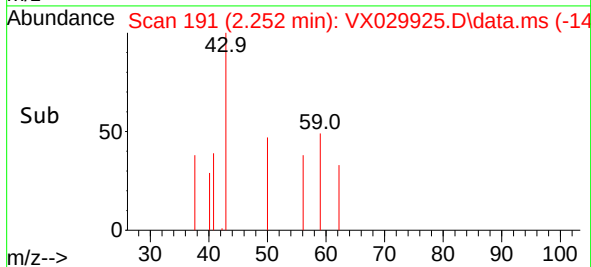
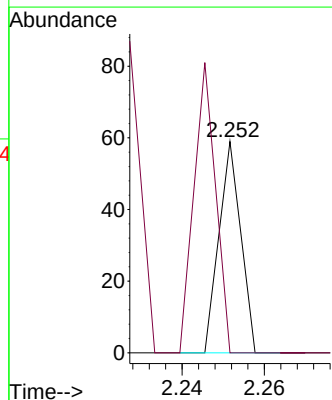
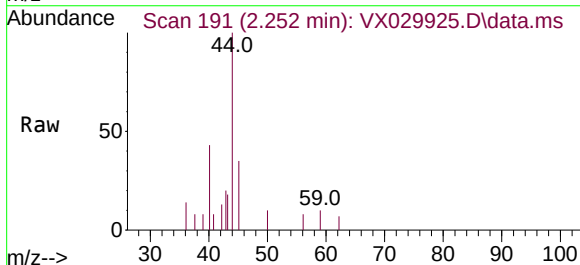
Acq: 05 Jul 2022 17:02

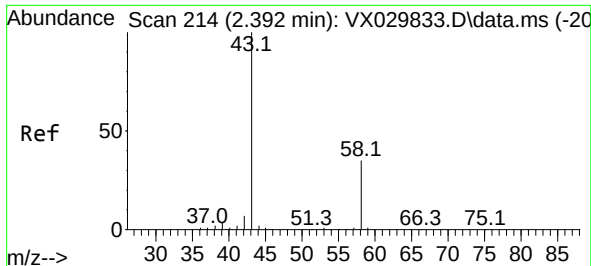
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 136.4 56.6 84.8#

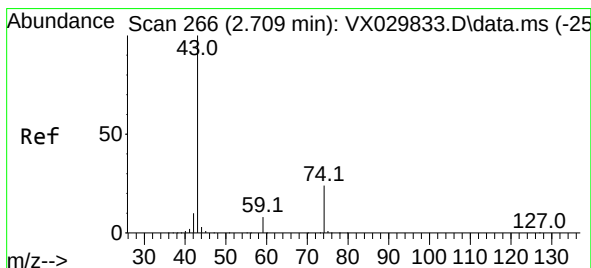
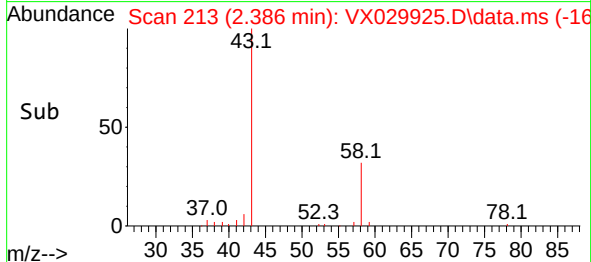
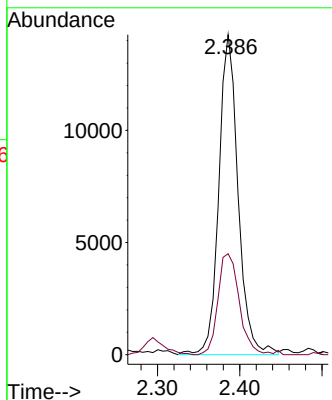
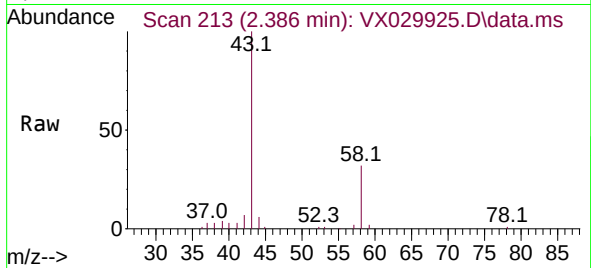




#16
Acetone
Concen: 18.126 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

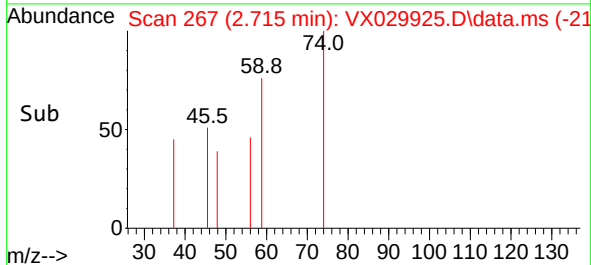
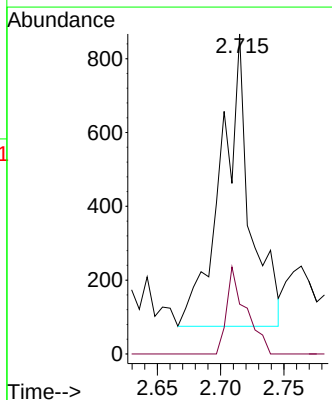
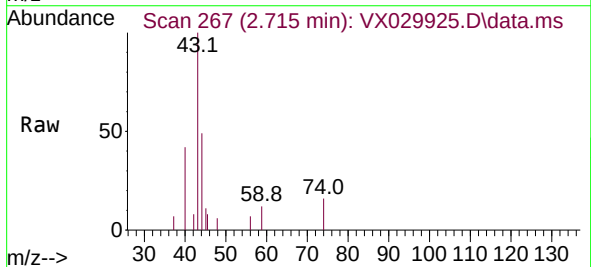
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#11

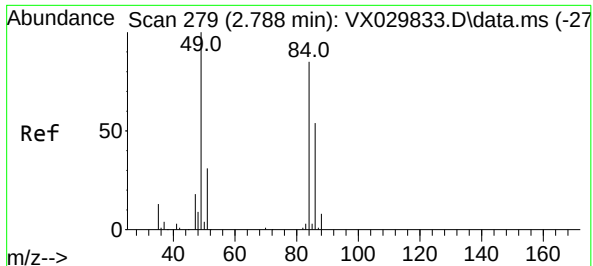
Tgt Ion: 43 Resp: 23248
Ion Ratio Lower Upper
43 100
58 30.8 27.7 41.5



#18
Methyl Acetate
Concen: 0.320 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

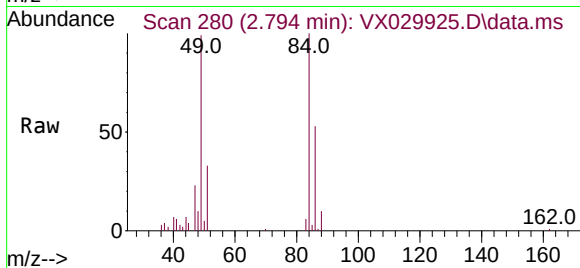
Tgt Ion: 43 Resp: 1267
Ion Ratio Lower Upper
43 100
74 19.7 19.4 29.2



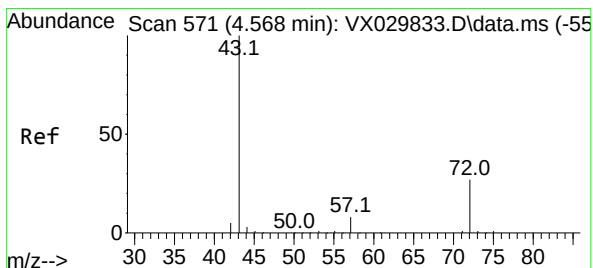
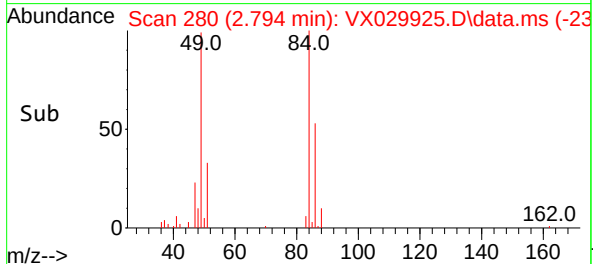
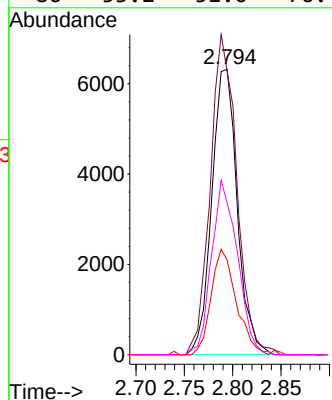


#20
Methylene Chloride
Concen: 4.278 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#11

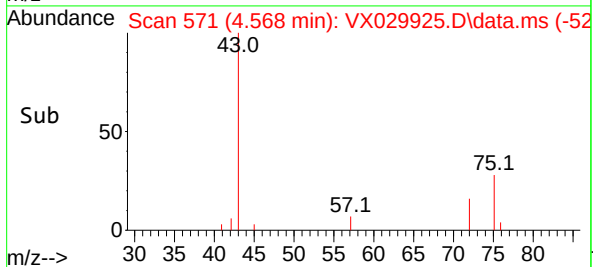
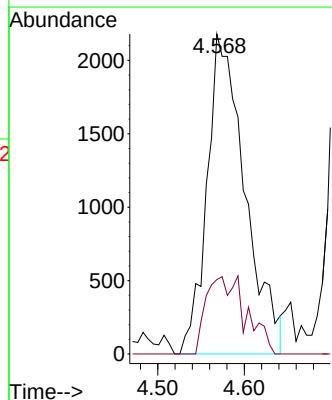
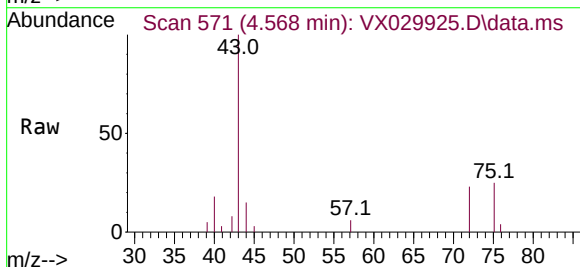


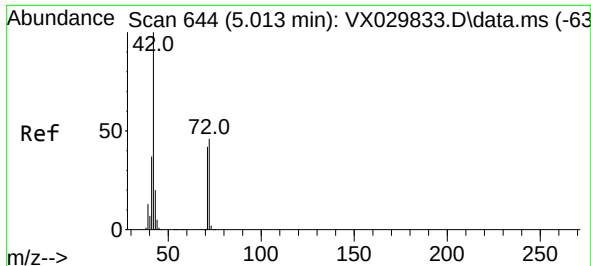
Tgt Ion: 84	Resp: 11588
Ion Ratio	Lower Upper
84 100	
49 99.3	93.8 140.6
51 33.2	29.4 44.0
86 53.2	51.0 76.4



#25
2-Butanone
Concen: 2.975 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

Tgt Ion: 43	Resp: 6622		
Ion	Ratio	Lower	Upper
43	100		
72	23.3	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.468 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX029925.D

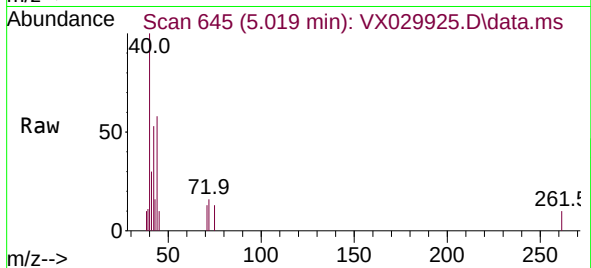
Acq: 05 Jul 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#11



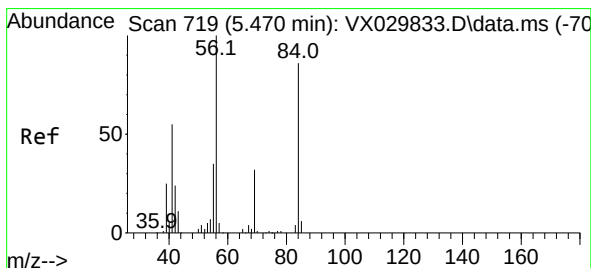
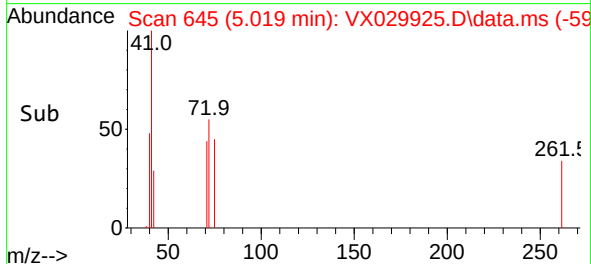
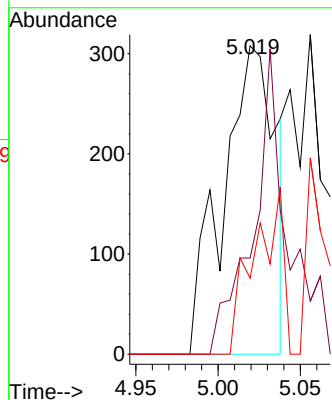
Tgt Ion: 42 Resp: 686

Ion Ratio Lower Upper

42 100

72 64.6 36.5 54.7#

71 29.9 33.9 50.9#



#31

Cyclohexane

Concen: 1.107 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX029925.D

Acq: 05 Jul 2022 17:02

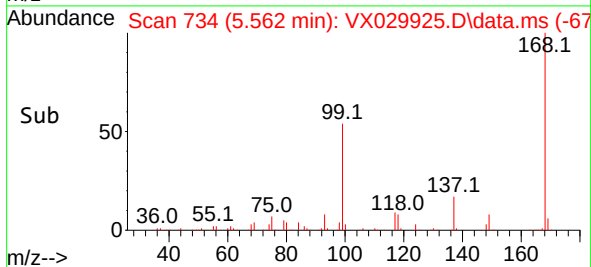
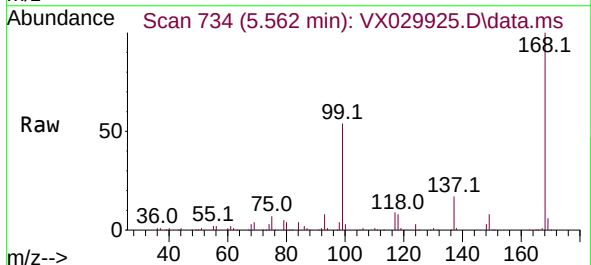
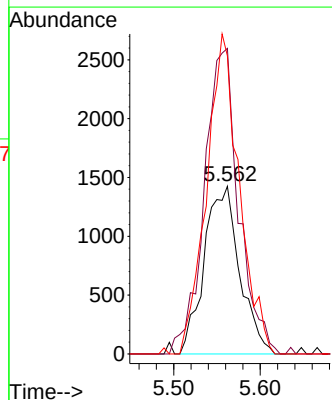
Tgt Ion: 56 Resp: 4045

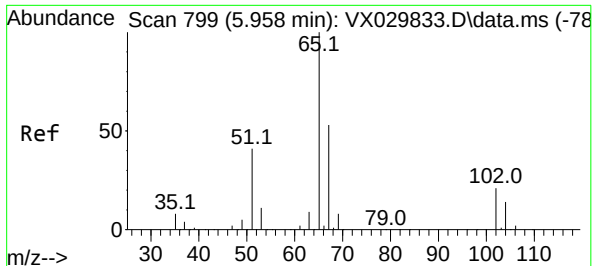
Ion Ratio Lower Upper

56 100

69 182.3 25.4 38.0#

84 177.8 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 43.536 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX029925.D

Acq: 05 Jul 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

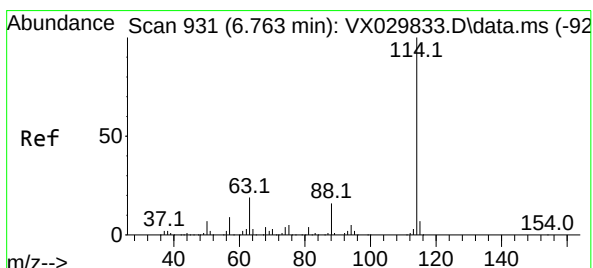
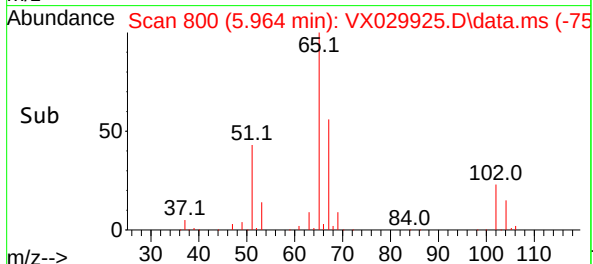
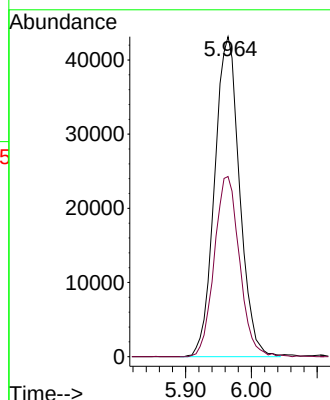
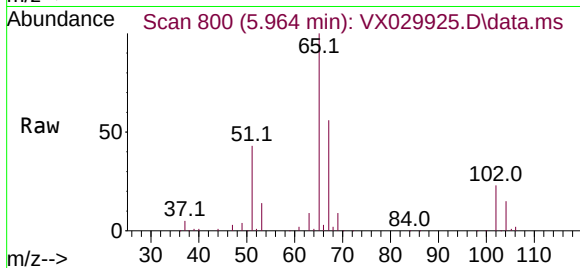
PB145991ZHE#11

Tgt Ion: 65 Resp: 114134

Ion Ratio Lower Upper

65 100

67 56.8 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: VX029925.D

Acq: 05 Jul 2022 17:02

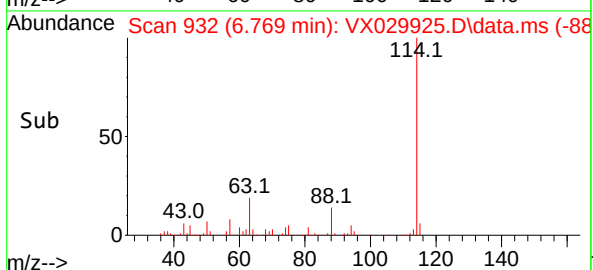
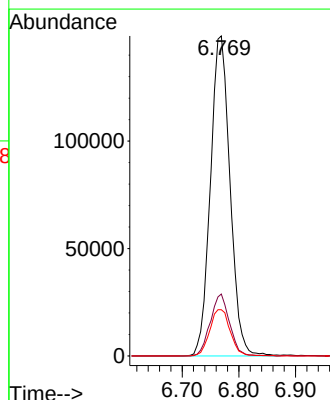
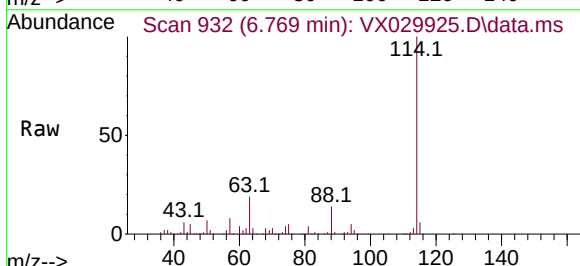
Tgt Ion: 114 Resp: 357720

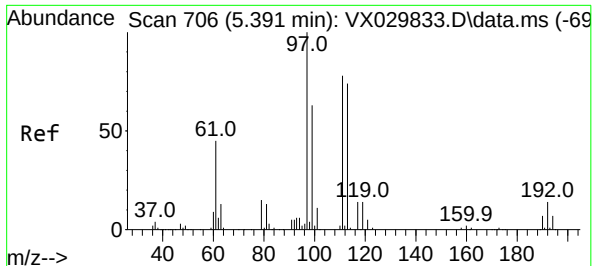
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

88 14.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.400 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029925.D

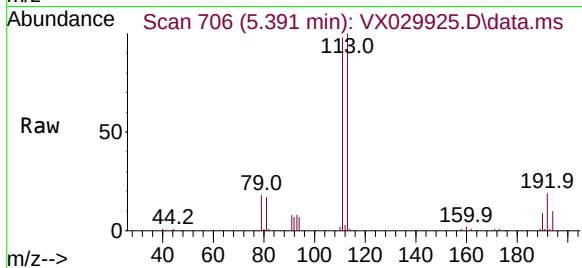
Acq: 05 Jul 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#11



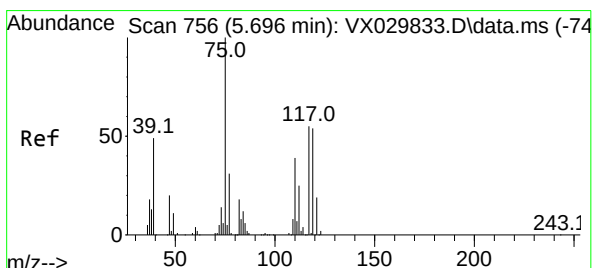
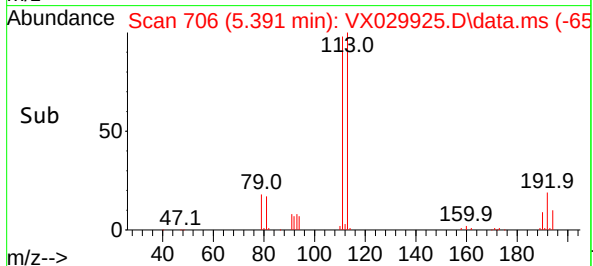
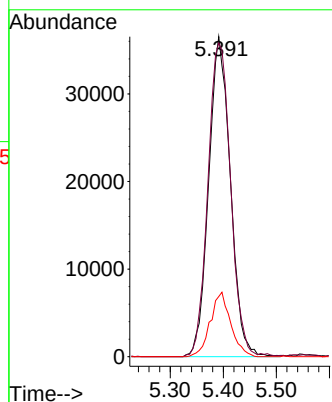
Tgt Ion:113 Resp: 103731

Ion Ratio Lower Upper

113 100

111 102.3 83.2 124.8

192 19.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.092 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX029925.D

Acq: 05 Jul 2022 17:02

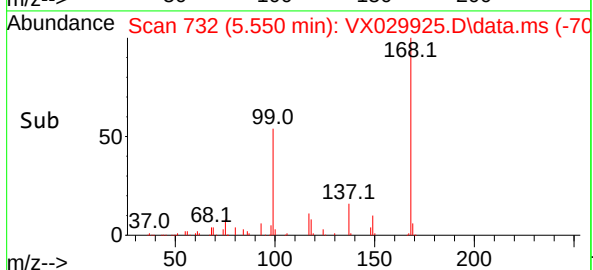
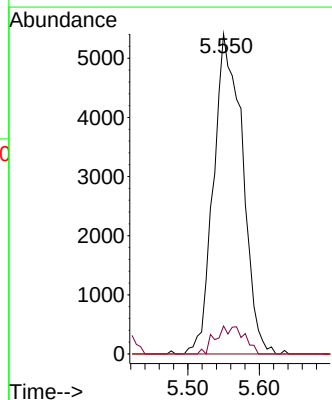
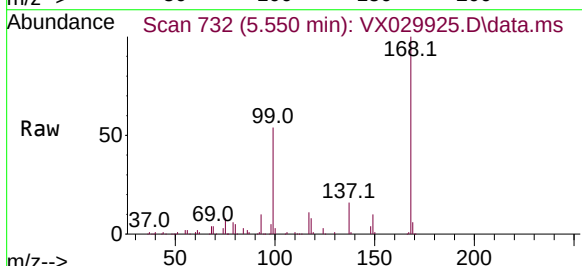
Tgt Ion: 75 Resp: 15140

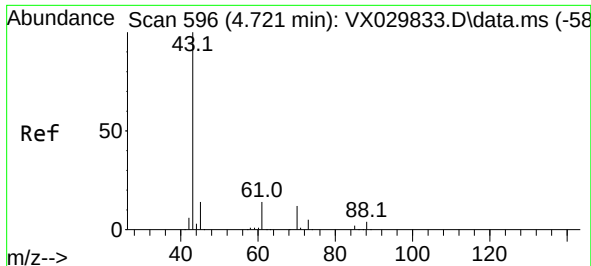
Ion Ratio Lower Upper

75 100

110 8.6 19.3 57.9#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.297 ug/l

RT: 4.727 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX029925.D

Acq: 05 Jul 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#11

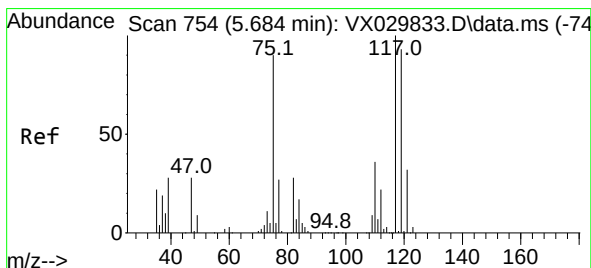
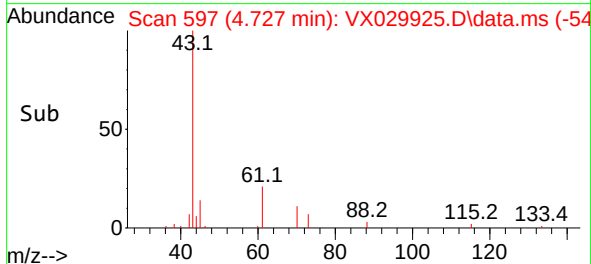
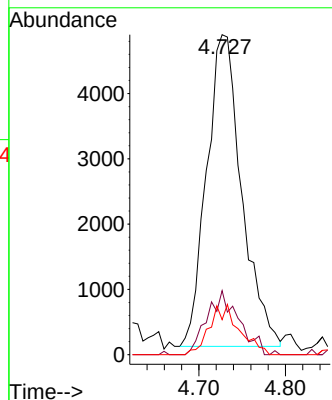
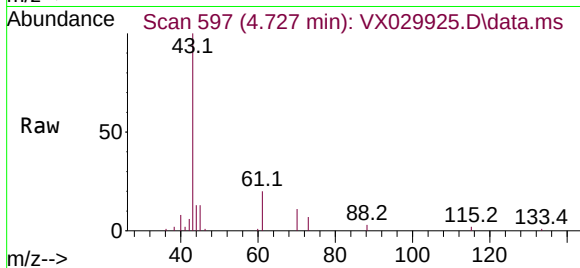
Tgt Ion: 43 Resp: 13408

Ion Ratio Lower Upper

43 100

61 18.5 11.7 17.5#

70 13.6 9.3 13.9



#38

Carbon Tetrachloride

Concen: 7.633 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX029925.D

Acq: 05 Jul 2022 17:02

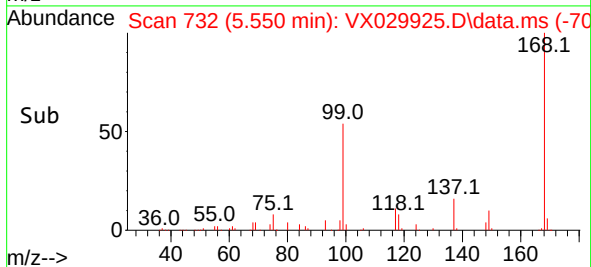
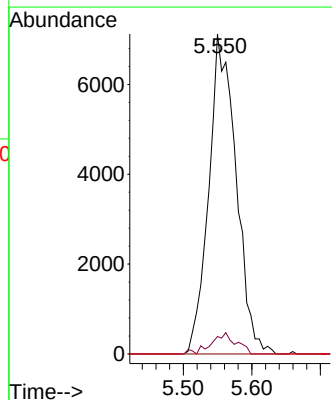
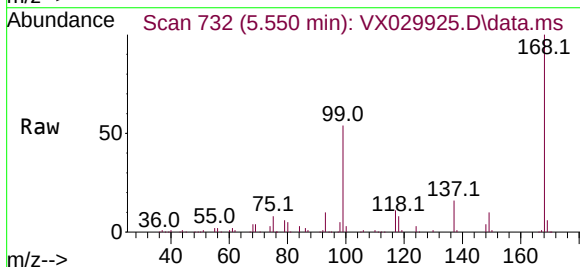
Tgt Ion: 117 Resp: 19665

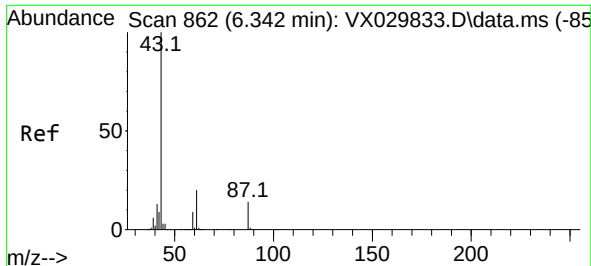
Ion Ratio Lower Upper

117 100

119 5.5 74.1 111.1#

121 0.0 25.8 38.8#

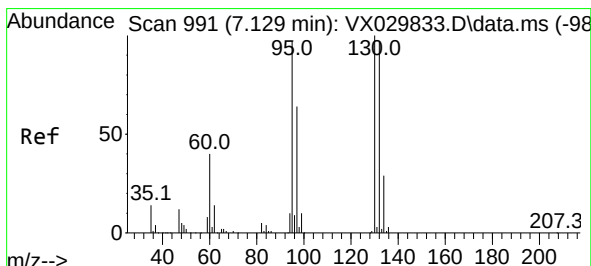
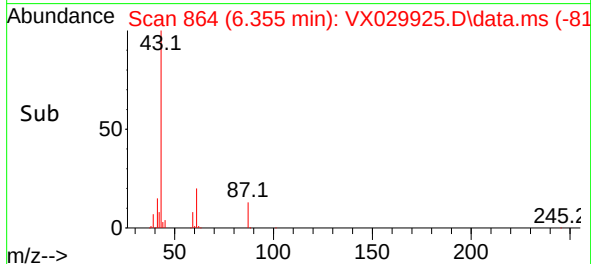
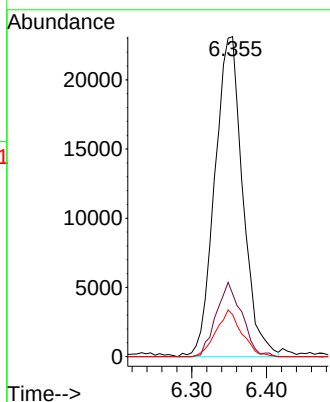
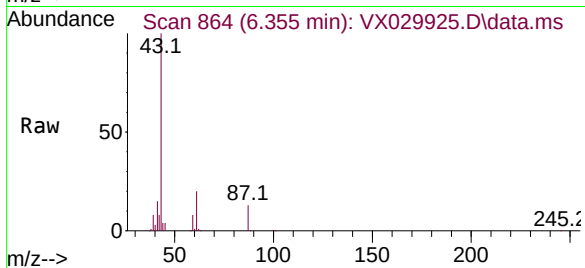




#43
Isopropyl Acetate
Concen: 9.832 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

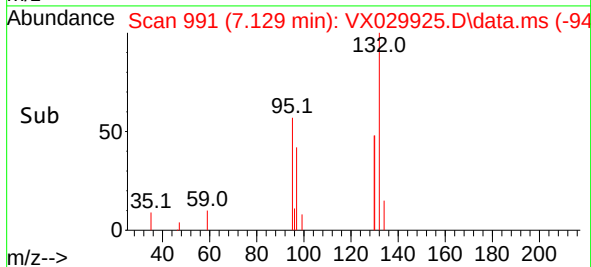
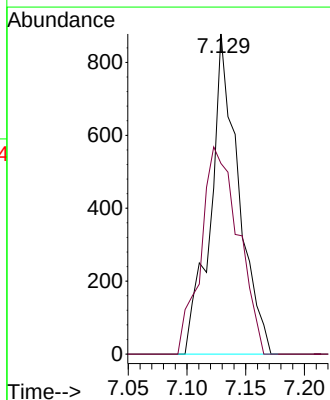
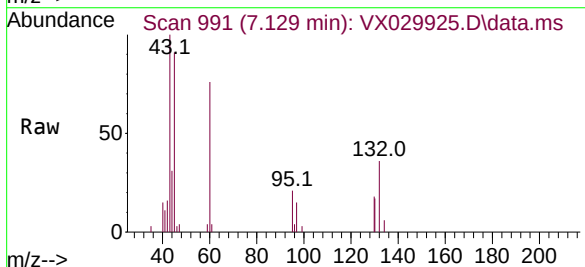
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#11

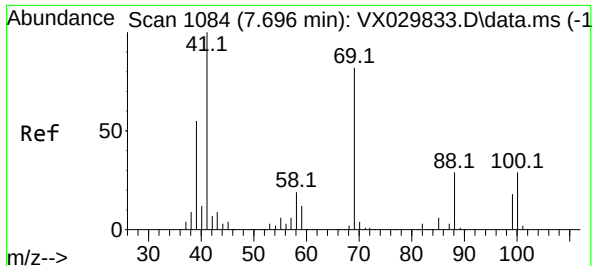
Tgt Ion: 43 Resp: 60206
Ion Ratio Lower Upper
43 100
61 21.4 16.5 24.7
87 13.4 11.1 16.7



#44
Trichloroethene
Concen: 0.563 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

Tgt Ion: 130 Resp: 1459
Ion Ratio Lower Upper
130 100
95 59.6 0.0 194.8





#48

Methyl methacrylate

Concen: 17.561 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX029925.D

Acq: 05 Jul 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#11

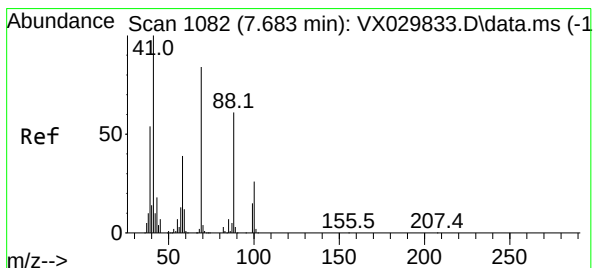
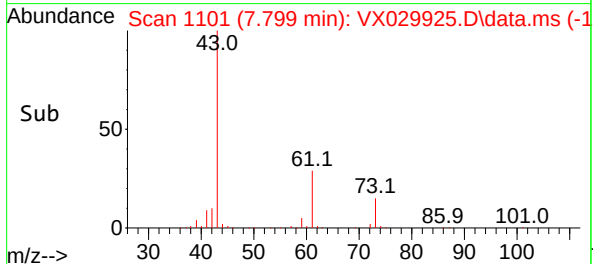
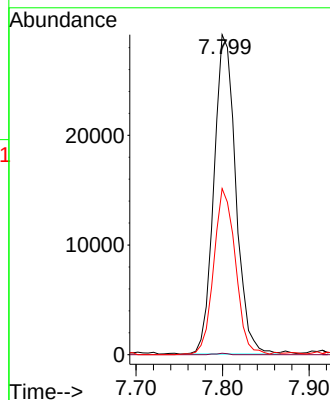
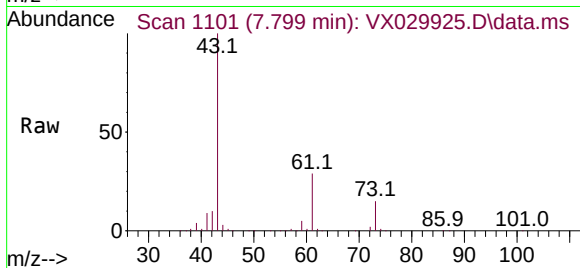
Tgt Ion: 41 Resp: 50986

Ion Ratio Lower Upper

41 100

69 0.3 68.8 103.2#

39 51.8 44.6 66.8



#49

1,4-Dioxane

Concen: 0.305 ug/l

RT: 7.714 min Scan# 1087

Delta R.T. 0.031 min

Lab File: VX029925.D

Acq: 05 Jul 2022 17:02

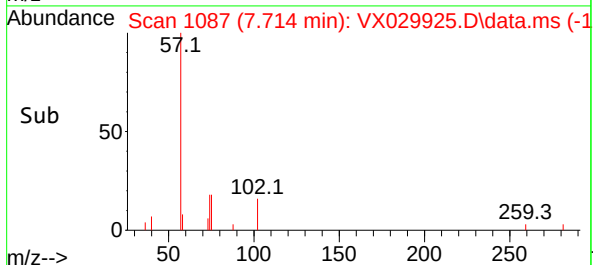
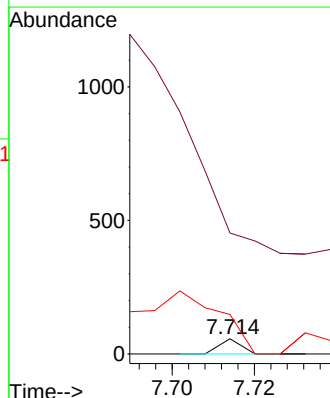
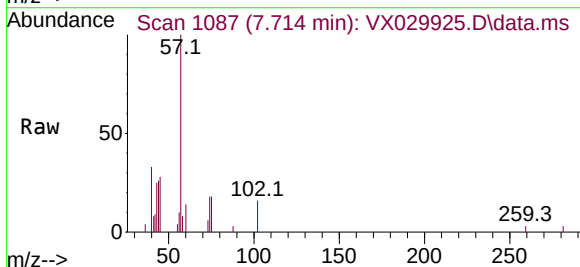
Tgt Ion: 88 Resp: 21

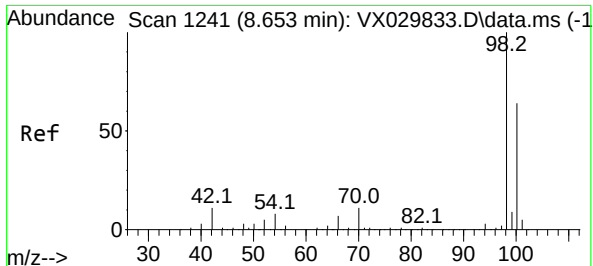
Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 1528.6 53.8 80.6#

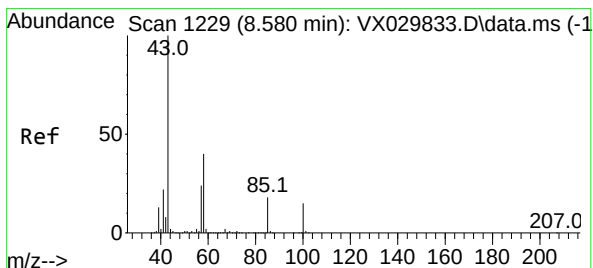
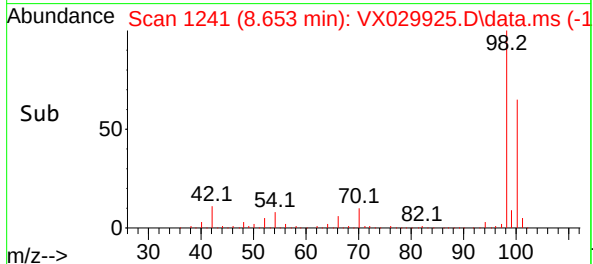
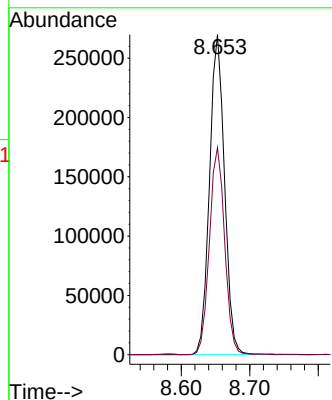
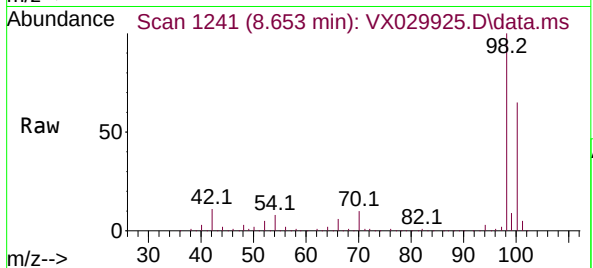




#50
Toluene-d8
Concen: 48.987 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

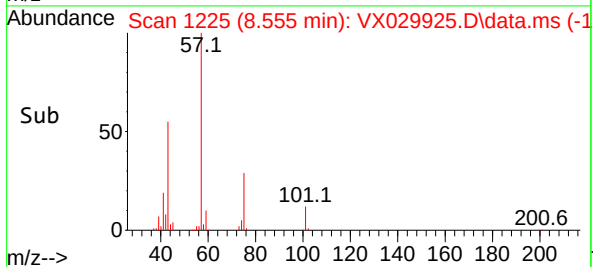
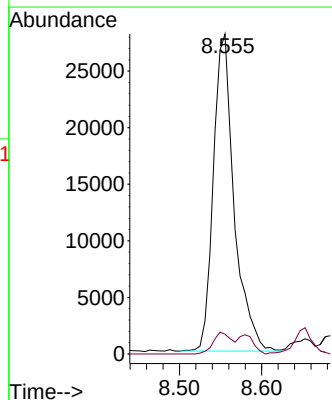
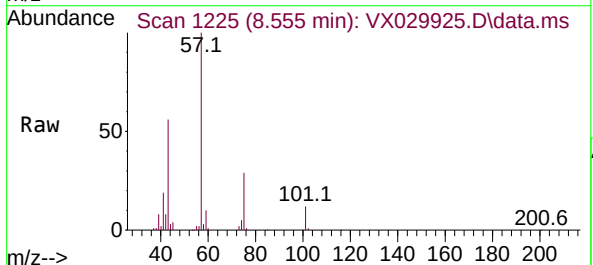
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#11

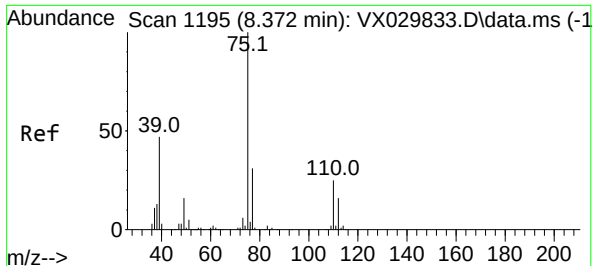
Tgt Ion: 98 Resp: 410837
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 12.167 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.024 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

Tgt Ion: 43 Resp: 49128
Ion Ratio Lower Upper
43 100
58 6.2 31.4 47.2#

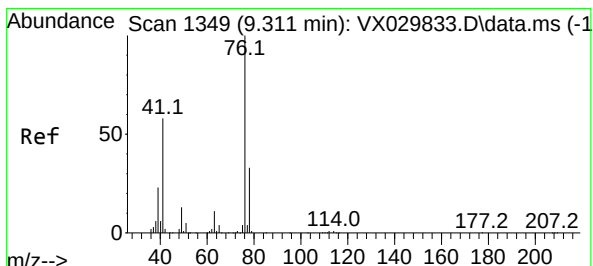
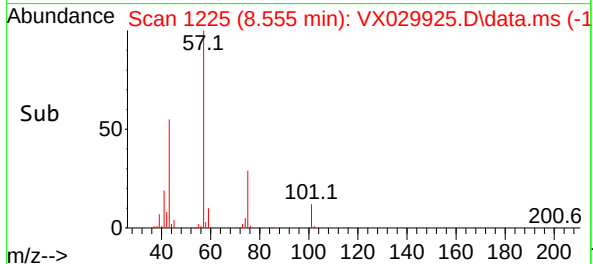
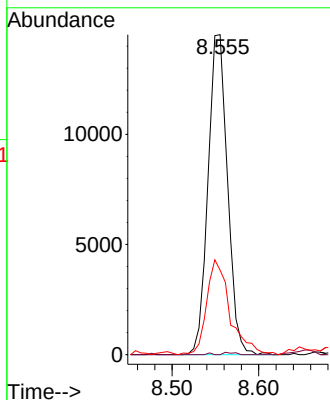
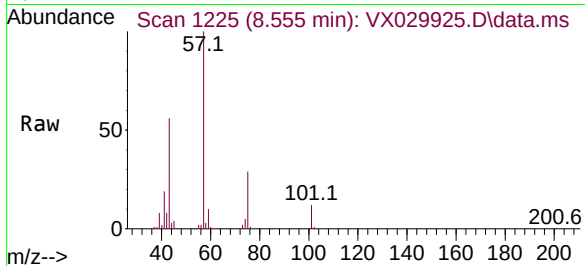




#54
 cis-1,3-Dichloropropene
 Concen: 6.338 ug/l
 RT: 8.555 min Scan# 1195
 Delta R.T. 0.183 min
 Lab File: VX029925.D
 Acq: 05 Jul 2022 17:02

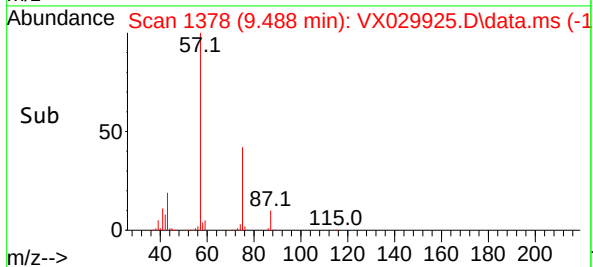
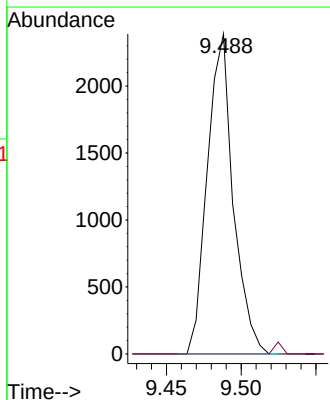
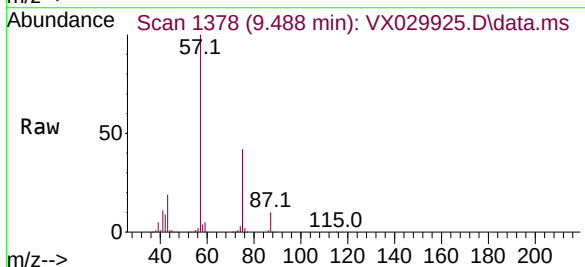
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#11

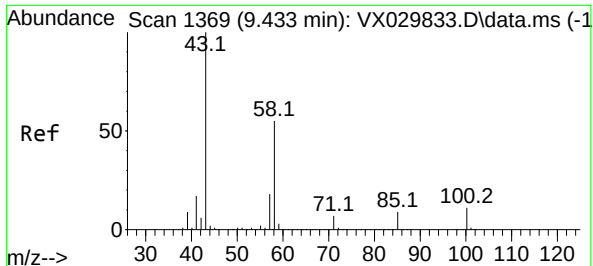
Tgt Ion: 75 Resp: 22731
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 26.4 37.5 56.3#



#57
 1,3-Dichloropropane
 Concen: 0.708 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX029925.D
 Acq: 05 Jul 2022 17:02

Tgt Ion: 76 Resp: 2878
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

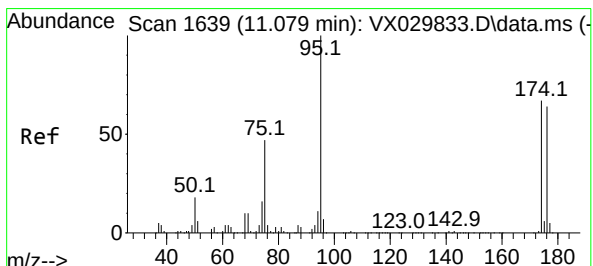
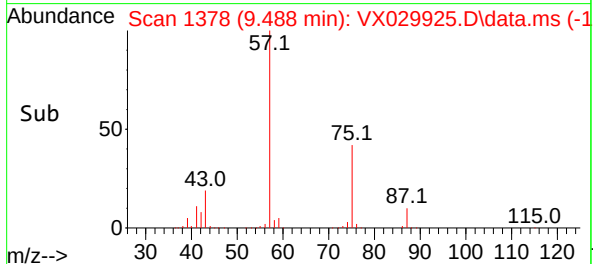
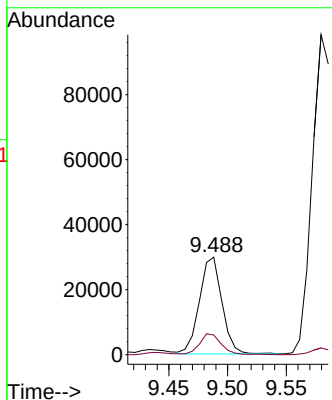
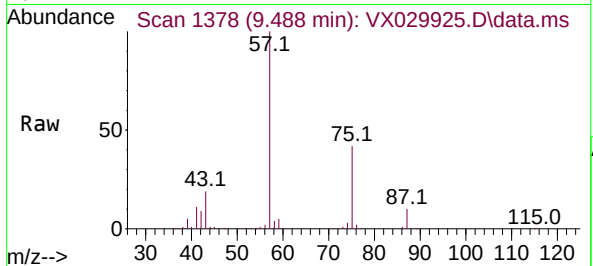




#59
2-Hexanone
Concen: 12.692 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

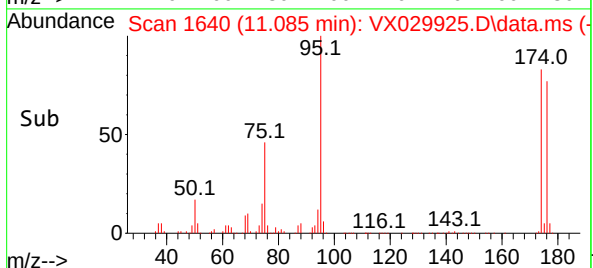
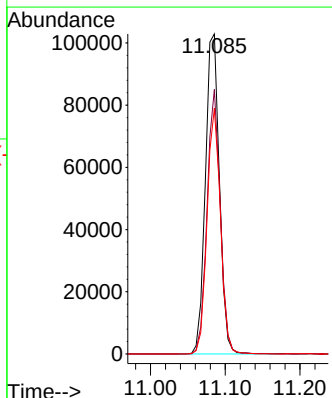
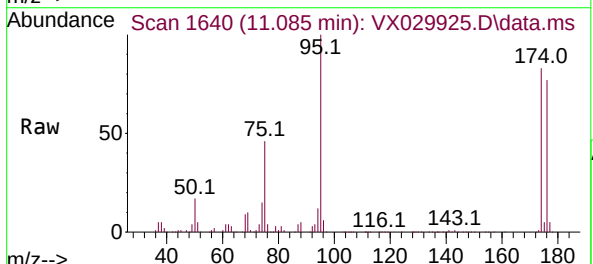
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#11

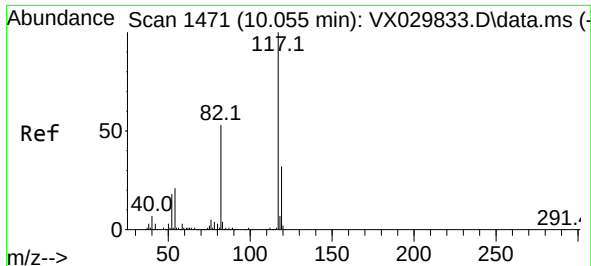
Tgt Ion: 43 Resp: 39773
Ion Ratio Lower Upper
43 100
58 20.7 27.6 82.8#



#62
4-Bromofluorobenzene
Concen: 45.222 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

Tgt Ion: 95 Resp: 134062
Ion Ratio Lower Upper
95 100
174 78.3 0.0 149.0
176 73.4 0.0 146.0

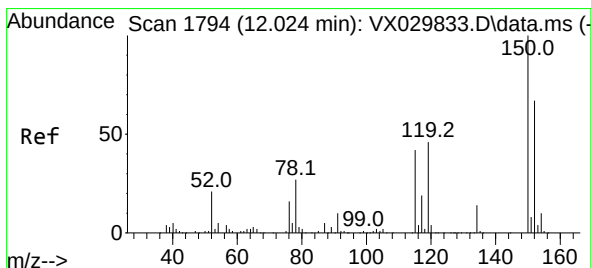
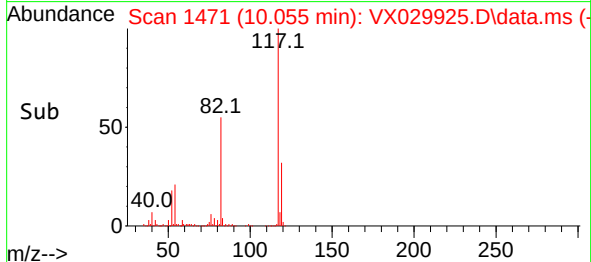
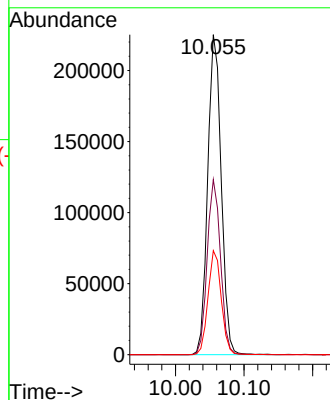
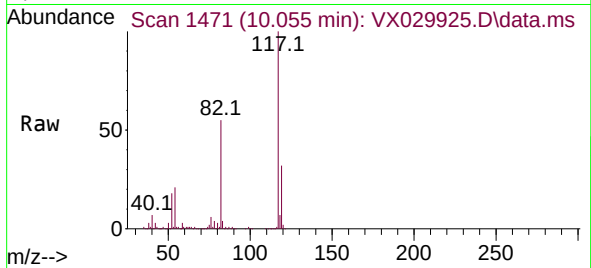




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

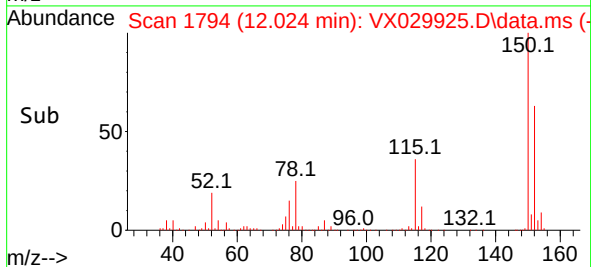
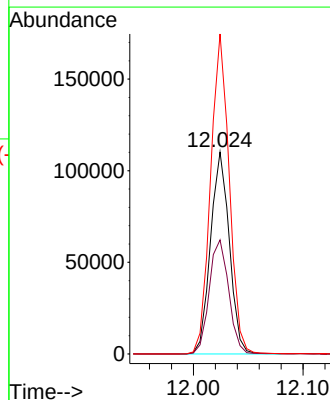
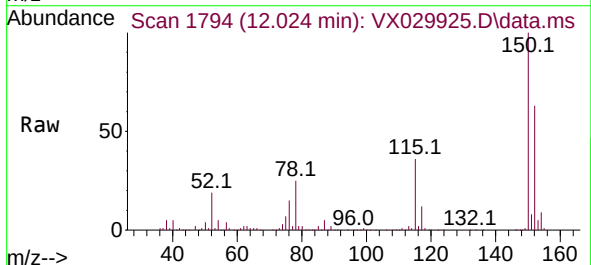
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#11

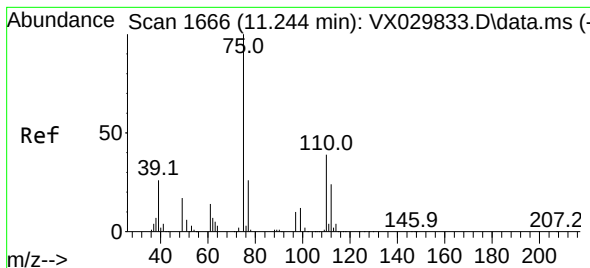
Tgt Ion:117 Resp: 308741
Ion Ratio Lower Upper
117 100
82 54.7 42.7 64.1
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

Tgt Ion:152 Resp: 131533
Ion Ratio Lower Upper
152 100
115 58.6 40.5 121.5
150 156.6 0.0 347.0

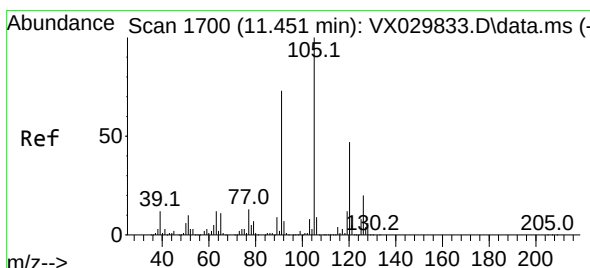
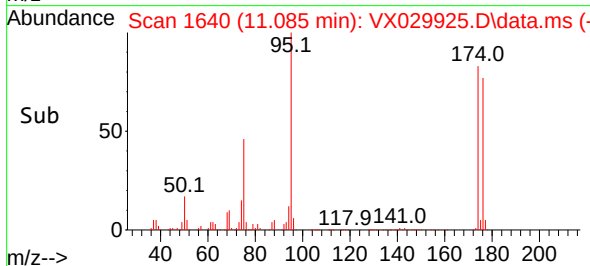
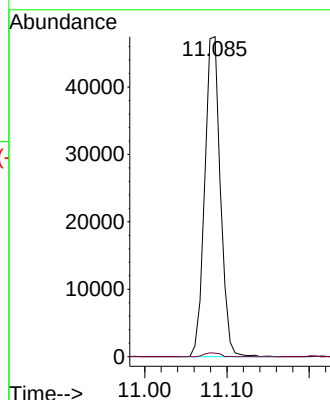
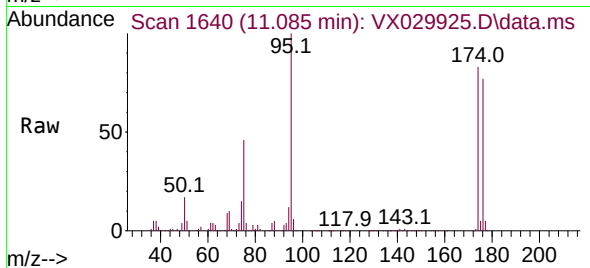




#76
1,2,3-Trichloropropane
Concen: 19.929 ug/l
RT: 11.085 min Scan# 11
Delta R.T. -0.158 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

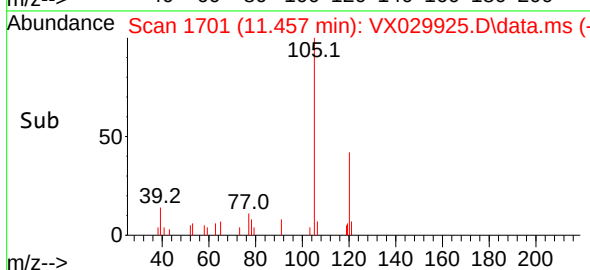
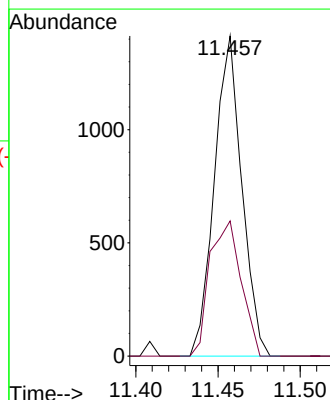
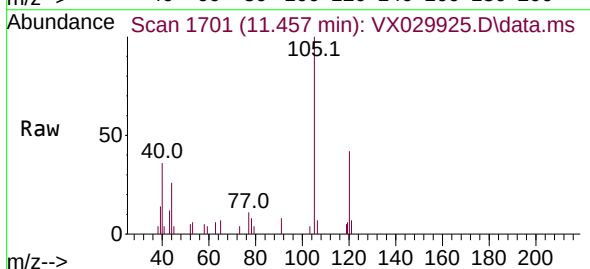
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#11

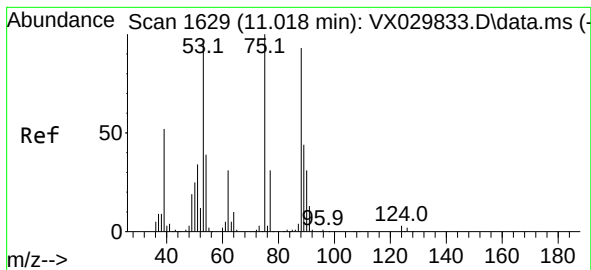
Tgt Ion: 75 Resp: 62750
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.208 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX029925.D
Acq: 05 Jul 2022 17:02

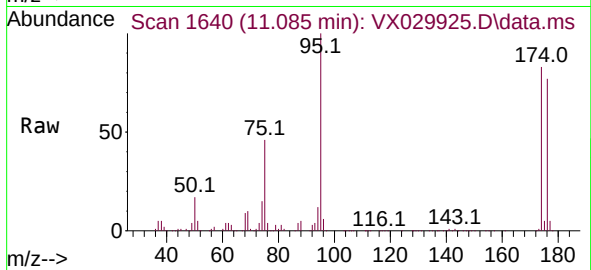
Tgt Ion: 105 Resp: 1642
Ion Ratio Lower Upper
105 100
120 48.1 24.4 73.2





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.289 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX029925.D
 Acq: 05 Jul 2022 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#11



Tgt Ion: 75 Resp: 62750
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

