

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029919.D
 Acq On : 05 Jul 2022 14:41
 Operator : JC/MD
 Sample : PB145991ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#05

Quant Time: Jul 06 06:55:39 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)

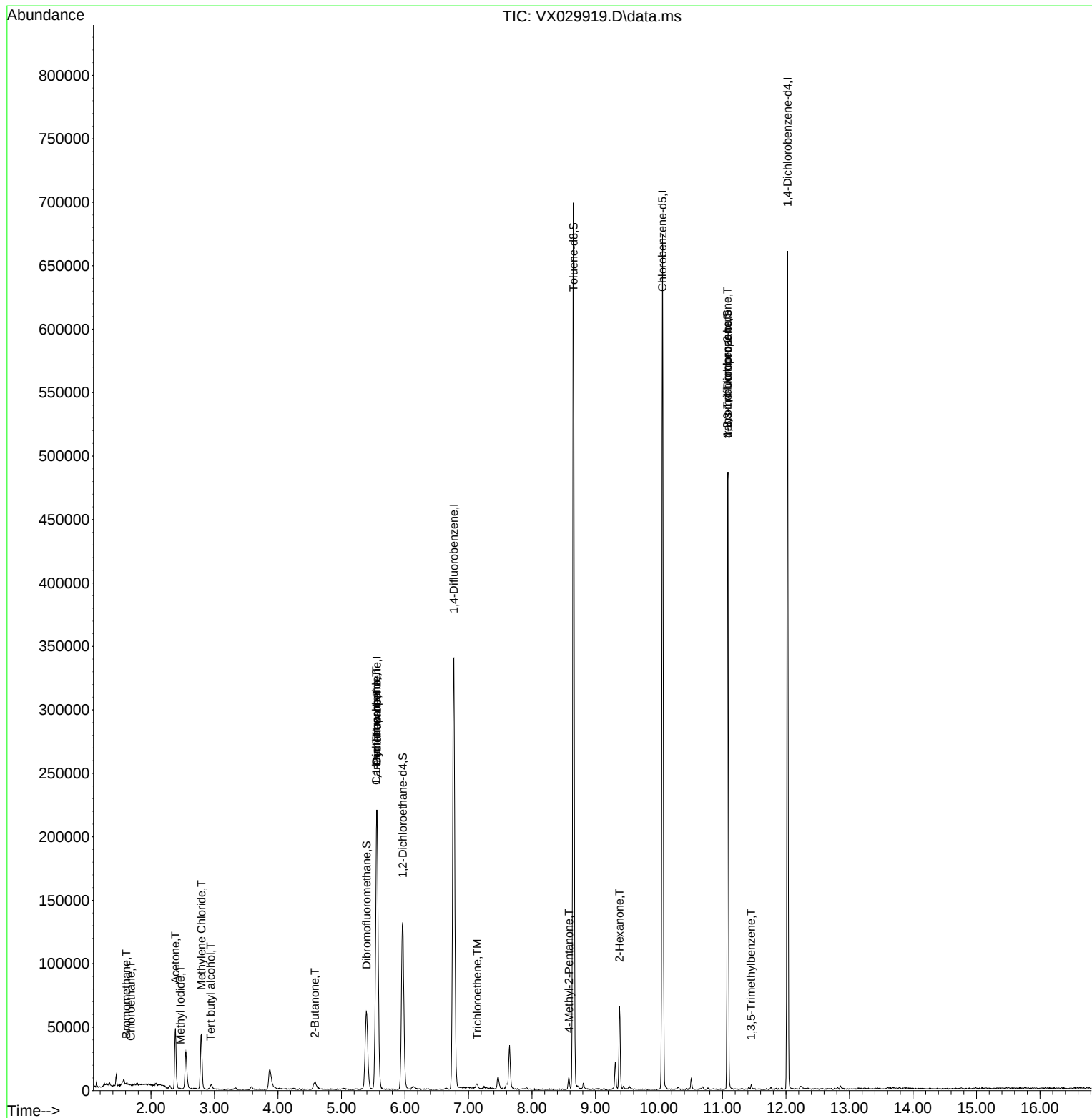
Internal Standards						
1) Pentafluorobenzene	5.556	168	219068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	366954	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	311587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	118658	42.790	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.580%
35) Dibromofluoromethane	5.397	113	55016	23.990	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	47.980%#
50) Toluene-d8	8.653	98	419805	48.797	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.600%
62) 4-Bromofluorobenzene	11.079	95	136804	44.985	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.980%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	410	0.304	ug/l #	75
6) Chloroethane	1.685	64	1071	1.619	ug/l #	41
10) Methyl Iodide	2.465	142	320	1.976	ug/l #	93
11) Tert butyl alcohol	2.941	59	2338	3.224	ug/l #	74
13) Acrolein	2.221	56	63	Below Cal	#	66
16) Acetone	2.386	43	49205	36.269	ug/l	100
20) Methylene Chloride	2.794	84	19499	6.806	ug/l	97
25) 2-Butanone	4.581	43	5444	2.312	ug/l	93
31) Cyclohexane	5.556	56	4494	1.162	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	16757	5.494	ug/l #	47
38) Carbon Tetrachloride	5.550	117	19936	7.543	ug/l #	16
44) Trichloroethene	7.135	130	1601	0.603	ug/l	86
51) 4-Methyl-2-Pentanone	8.580	43	5936	1.433	ug/l	100
59) 2-Hexanone	9.378	43	45467	14.144	ug/l #	24
76) 1,2,3-Trichloropropane	11.079	75	63606	20.065	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	1705	0.214	ug/l	89
81) trans-1,4-Dichloro-2-b...	11.079	75	63606	63.722	ug/l #	12

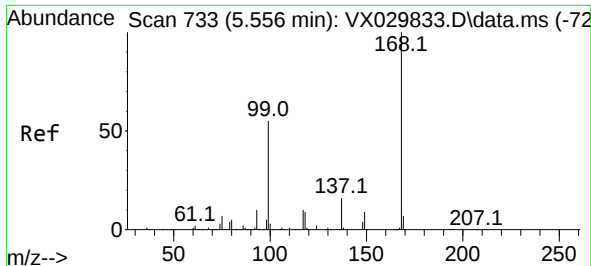
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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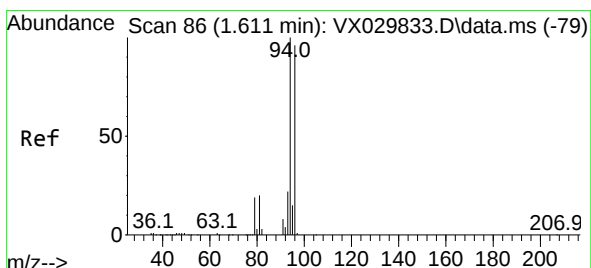
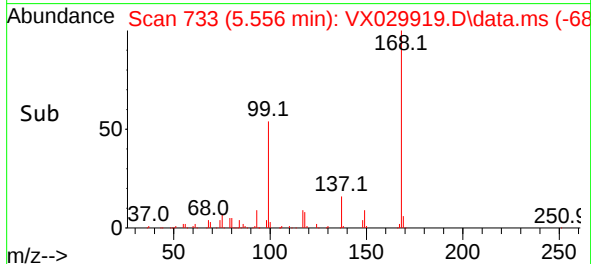
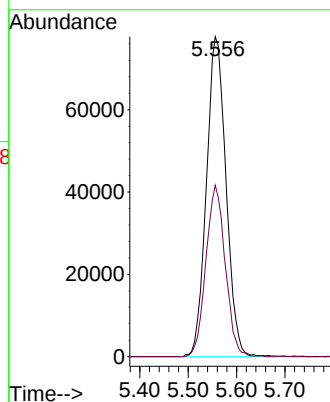
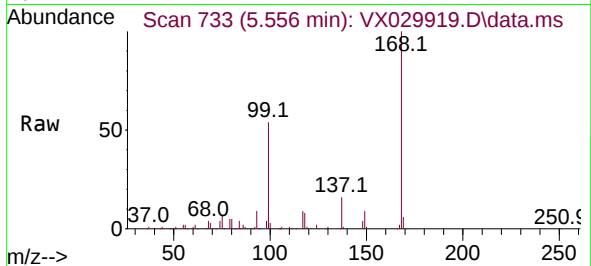




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029919.D
Acq: 05 Jul 2022 14:41

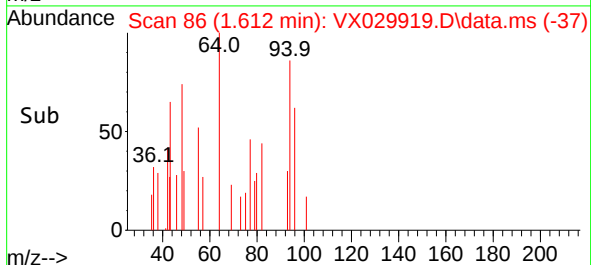
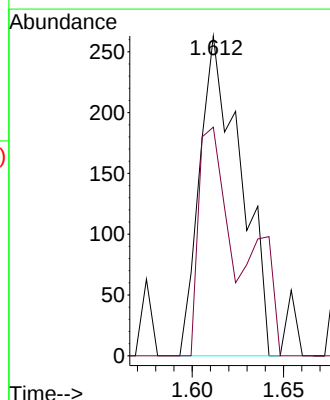
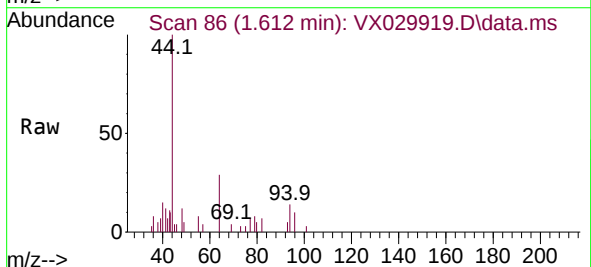
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#05

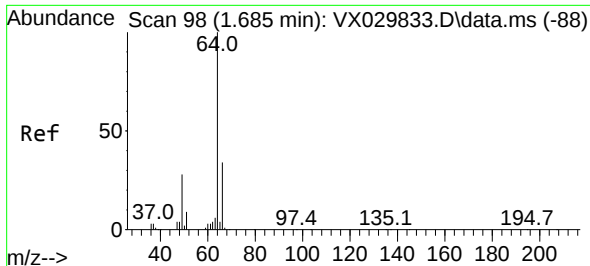
Tgt Ion:168 Resp: 219068
Ion Ratio Lower Upper
168 100
99 53.5 44.0 66.0



#5
Bromomethane
Concen: 0.304 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX029919.D
Acq: 05 Jul 2022 14:41

Tgt Ion: 94 Resp: 410
Ion Ratio Lower Upper
94 100
96 71.5 76.9 115.3#

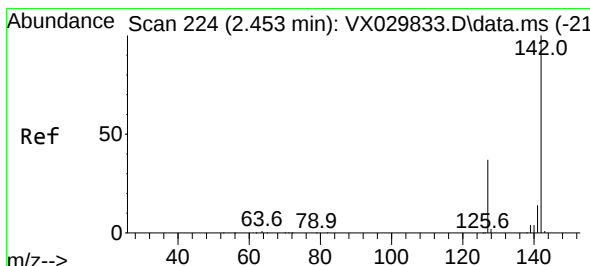
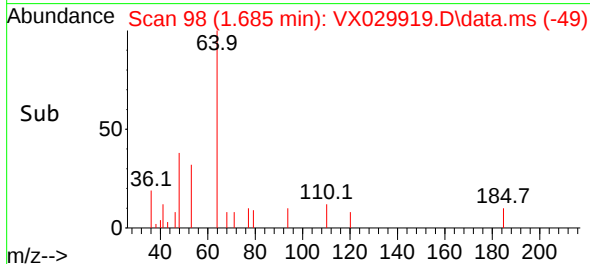
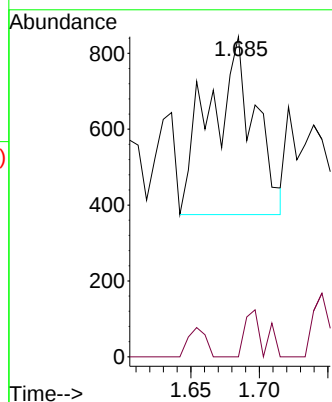
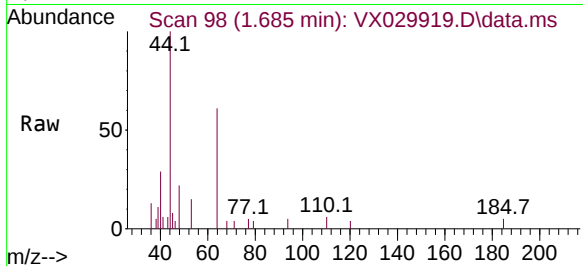




#6
 Chloroethane
 Concen: 1.619 ug/l
 RT: 1.685 min Scan# 98
 Delta R.T. -0.000 min
 Lab File: VX029919.D
 Acq: 05 Jul 2022 14:41

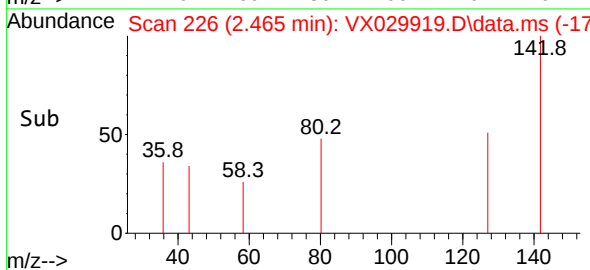
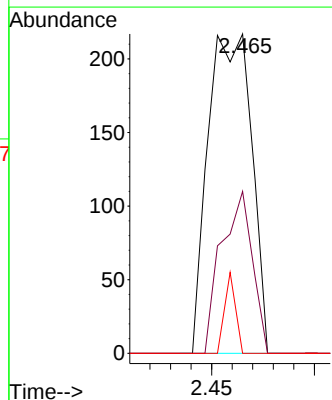
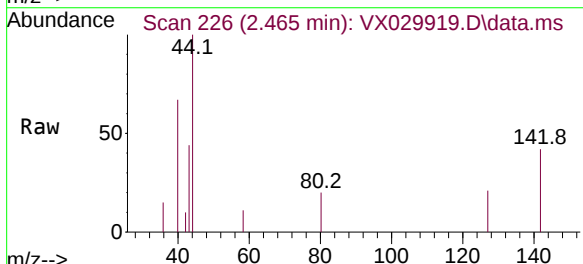
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#05

Tgt Ion: 64 Resp: 1071
 Ion Ratio Lower Upper
 64 100
 66 0.0 27.2 40.8#



#10
 Methyl Iodide
 Concen: 1.976 ug/l
 RT: 2.465 min Scan# 226
 Delta R.T. 0.012 min
 Lab File: VX029919.D
 Acq: 05 Jul 2022 14:41

Tgt Ion: 142 Resp: 320
 Ion Ratio Lower Upper
 142 100
 127 36.3 30.2 45.2
 141 6.3 11.3 16.9#





#11

Tert butyl alcohol

Concen: 3.224 ug/l

RT: 2.941 min Scan# 30

Delta R.T. -0.055 min

Lab File: VX029919.D

Acq: 05 Jul 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

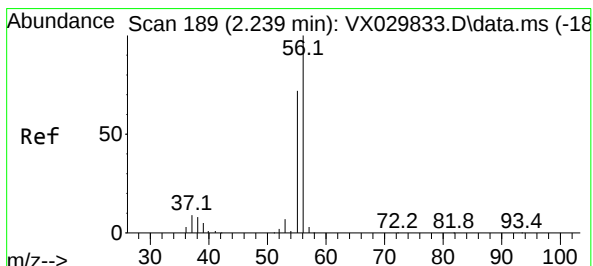
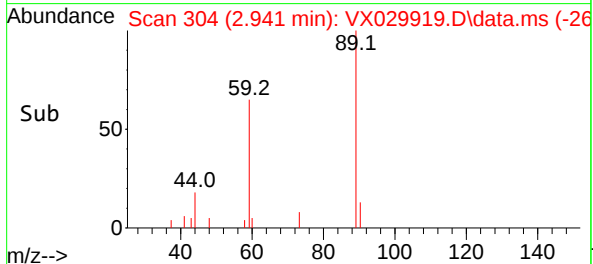
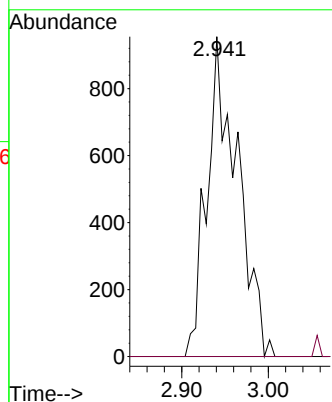
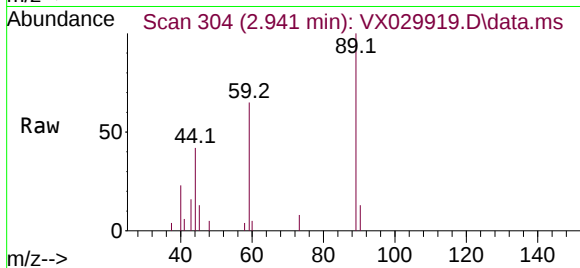
PB145991ZHE#05

Tgt Ion: 59 Resp: 2338

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: Below Cal

RT: 2.221 min Scan# 186

Delta R.T. -0.018 min

Lab File: VX029919.D

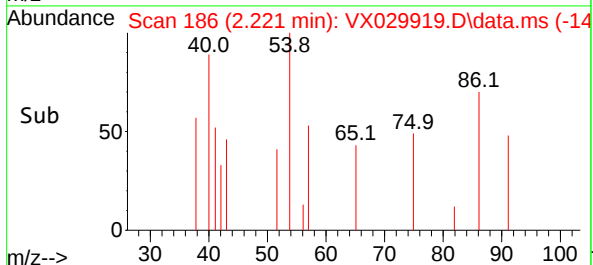
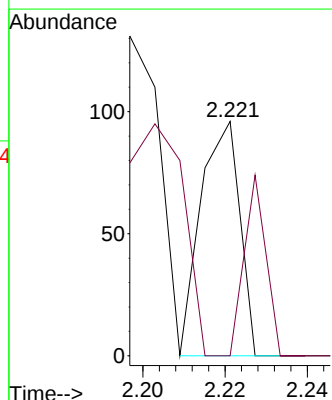
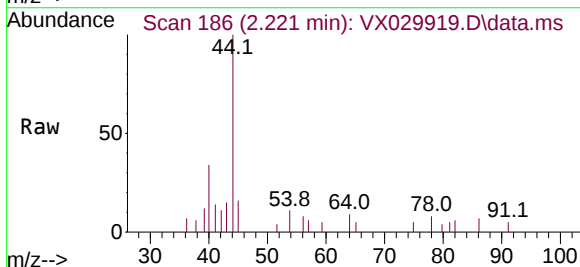
Acq: 05 Jul 2022 14:41

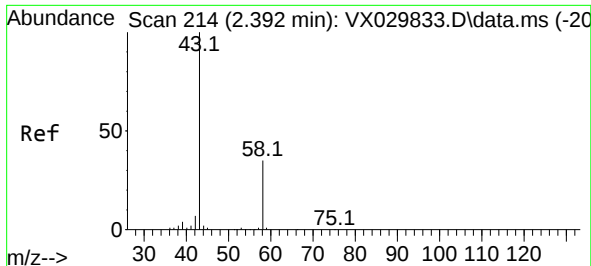
Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

55 42.9 56.6 84.8#

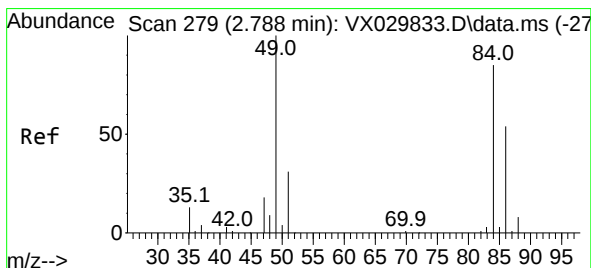
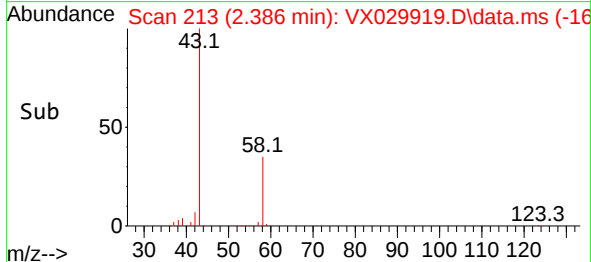
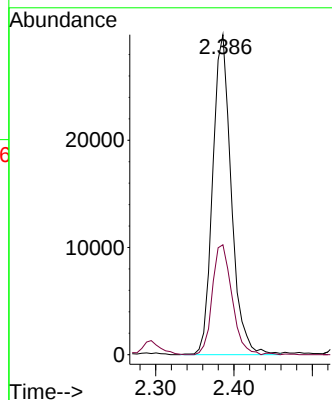
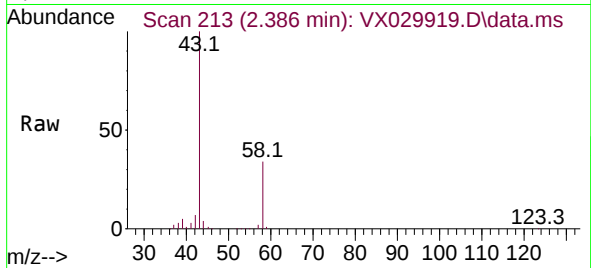




#16
Acetone
Concen: 36.269 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX029919.D
Acq: 05 Jul 2022 14:41

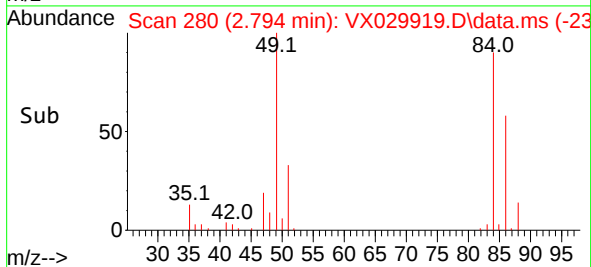
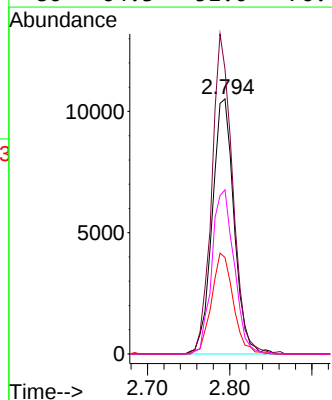
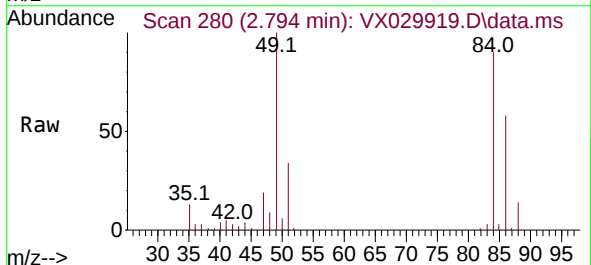
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#05

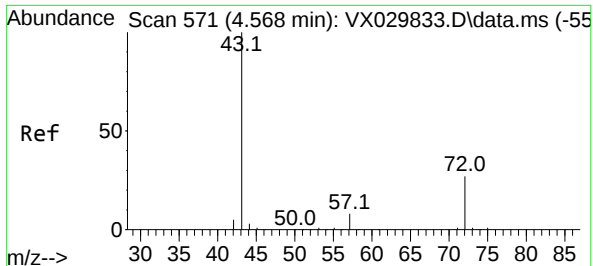
Tgt Ion: 43 Resp: 49205
Ion Ratio Lower Upper
43 100
58 34.3 27.7 41.5



#20
Methylene Chloride
Concen: 6.806 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029919.D
Acq: 05 Jul 2022 14:41

Tgt Ion: 84 Resp: 19499
Ion Ratio Lower Upper
84 100
49 111.7 93.8 140.6
51 37.8 29.4 44.0
86 64.3 51.0 76.4

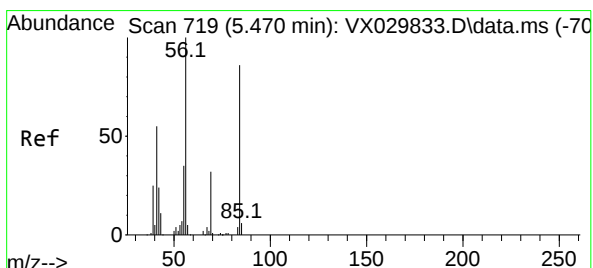
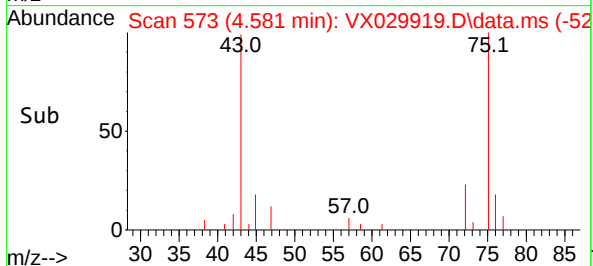
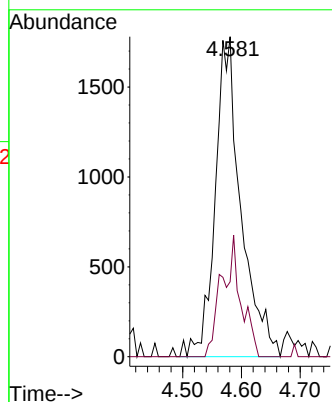
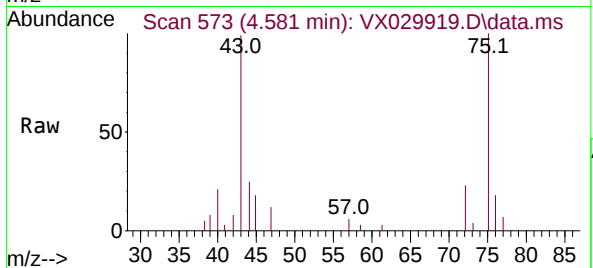




#25
2-Butanone
Concen: 2.312 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX029919.D
Acq: 05 Jul 2022 14:41

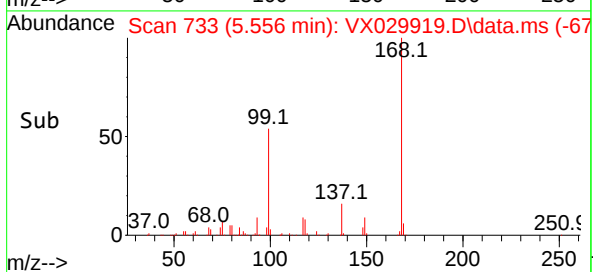
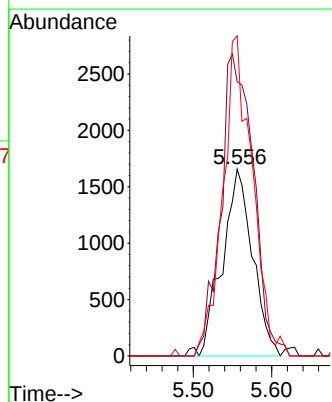
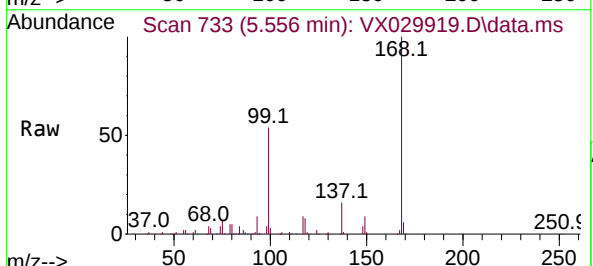
Instrument :
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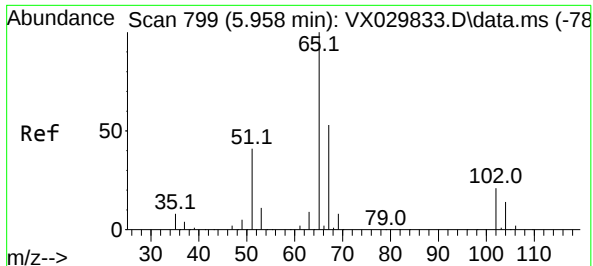
Tgt Ion: 43 Resp: 5444
Ion Ratio Lower Upper
43 100
72 23.4 21.7 32.5



#31
Cyclohexane
Concen: 1.162 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX029919.D
Acq: 05 Jul 2022 14:41

Tgt Ion: 56 Resp: 4494
Ion Ratio Lower Upper
56 100
69 146.9 25.4 38.0#
84 171.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 42.790 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX029919.D

Acq: 05 Jul 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

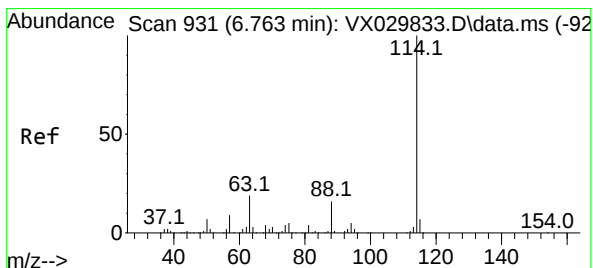
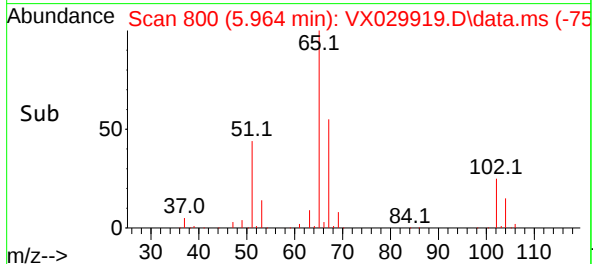
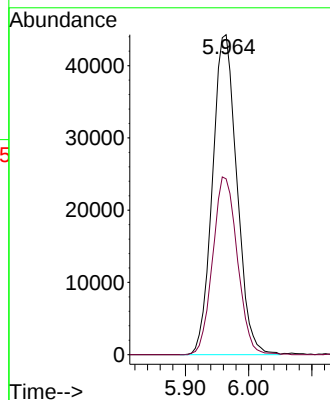
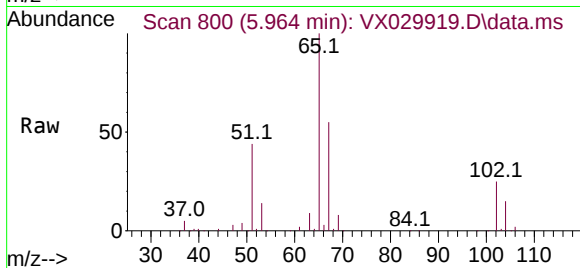
PB145991ZHE#05

Tgt Ion: 65 Resp: 118658

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: VX029919.D

Acq: 05 Jul 2022 14:41

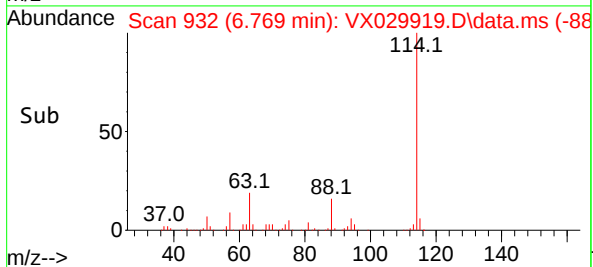
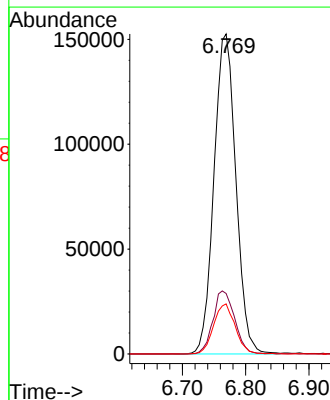
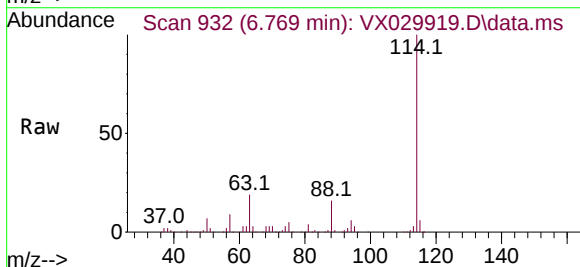
Tgt Ion: 114 Resp: 366954

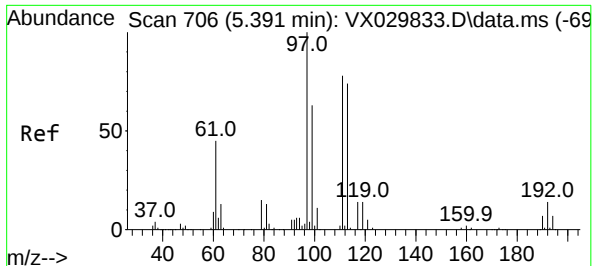
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 23.990 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX029919.D

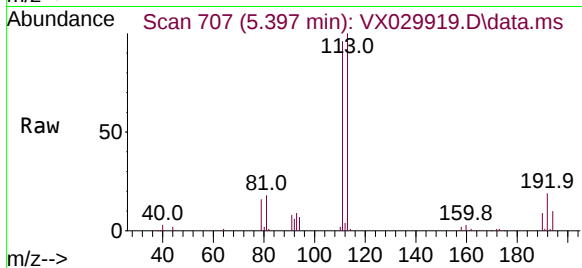
Acq: 05 Jul 2022 14:41

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PB145991ZHE#05



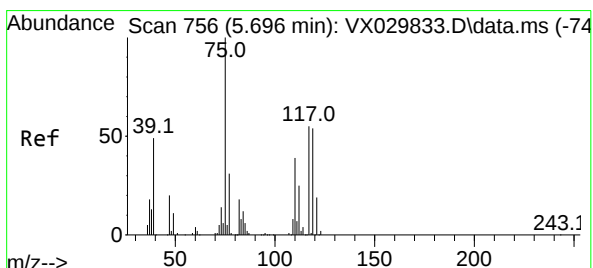
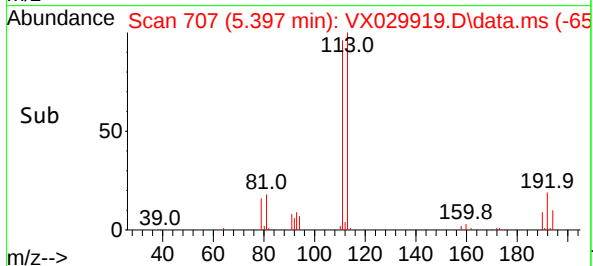
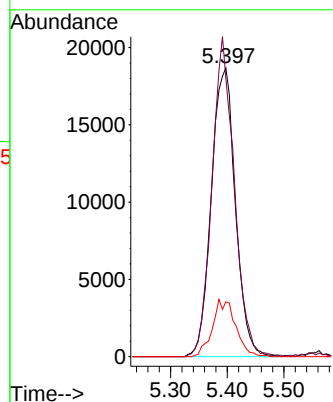
Tgt Ion:113 Resp: 55016

Ion Ratio Lower Upper

113 100

111 102.7 83.2 124.8

192 19.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.494 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX029919.D

Acq: 05 Jul 2022 14:41

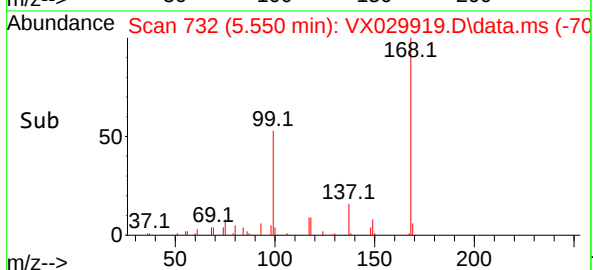
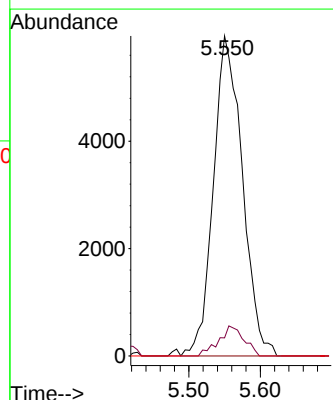
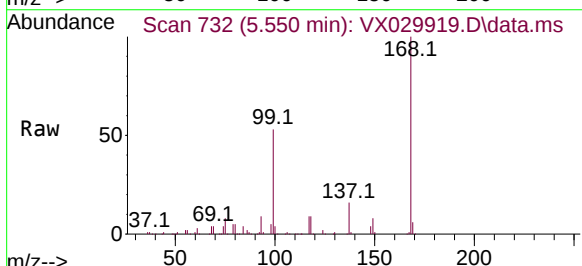
Tgt Ion: 75 Resp: 16757

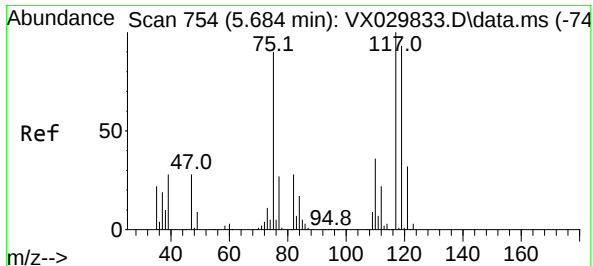
Ion Ratio Lower Upper

75 100

110 8.2 19.3 57.9#

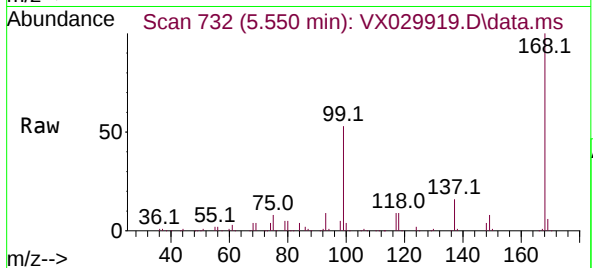
77 0.0 24.4 36.6#



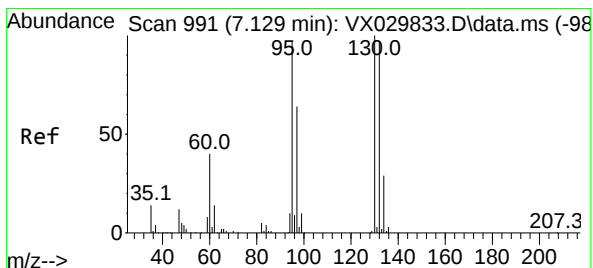
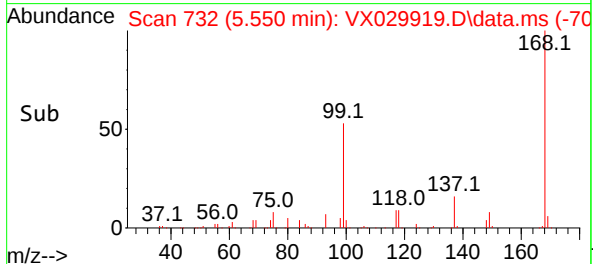
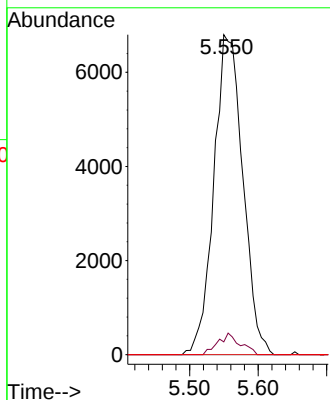


#38
Carbon Tetrachloride
Concen: 7.543 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029919.D
Acq: 05 Jul 2022 14:41

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#05

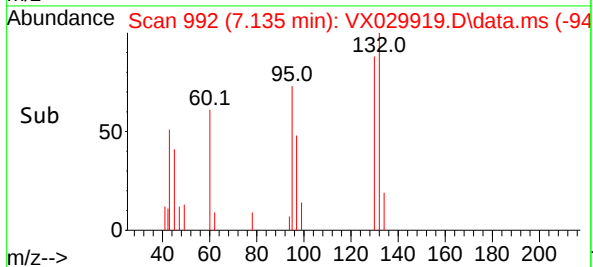
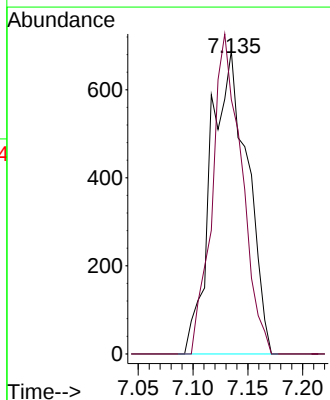
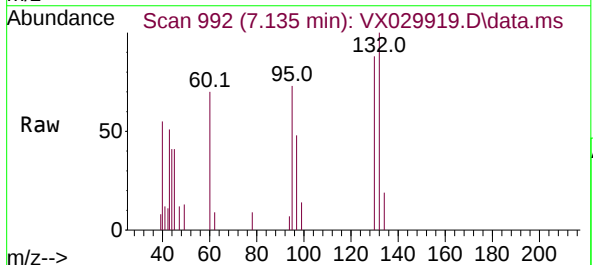


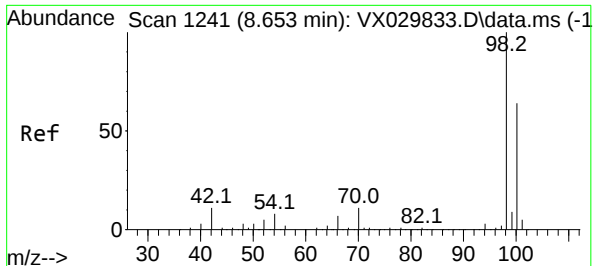
Tgt Ion:117 Resp: 19936
Ion Ratio Lower Upper
117 100
119 4.0 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.603 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029919.D
Acq: 05 Jul 2022 14:41

Tgt Ion:130 Resp: 1601
Ion Ratio Lower Upper
130 100
95 83.9 0.0 194.8





#50

Toluene-d8

Concen: 48.797 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX029919.D

Acq: 05 Jul 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

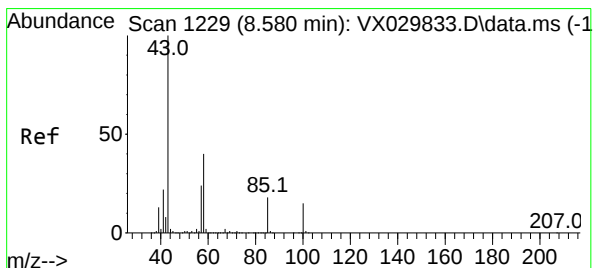
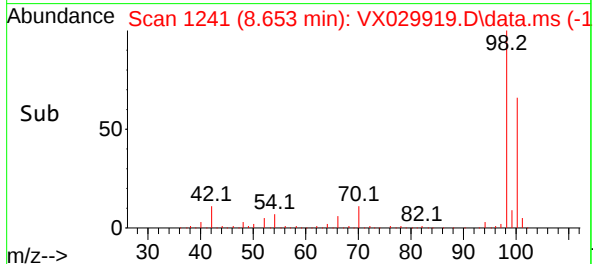
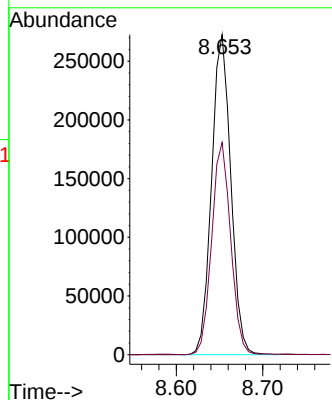
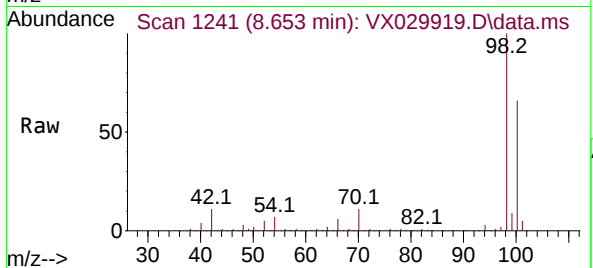
PB145991ZHE#05

Tgt Ion: 98 Resp: 419805

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.433 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VX029919.D

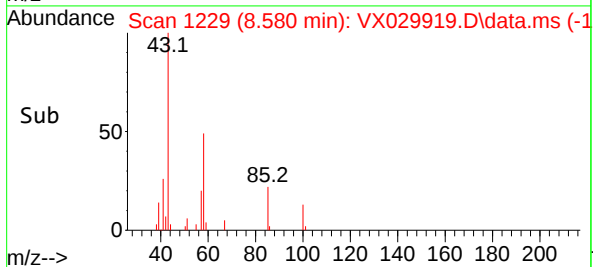
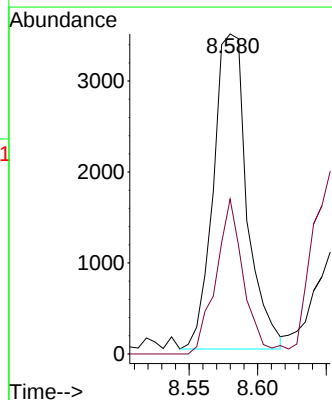
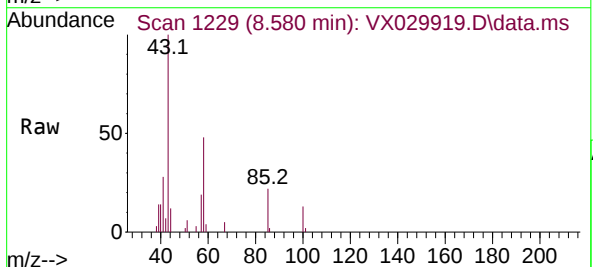
Acq: 05 Jul 2022 14:41

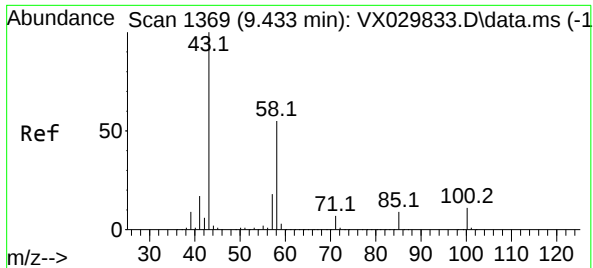
Tgt Ion: 43 Resp: 5936

Ion Ratio Lower Upper

43 100

58 39.6 31.4 47.2





#59

2-Hexanone

Concen: 14.144 ug/l

RT: 9.378 min Scan# 1

Delta R.T. -0.055 min

Lab File: VX029919.D

Acq: 05 Jul 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

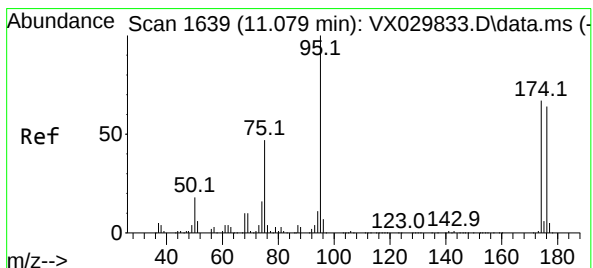
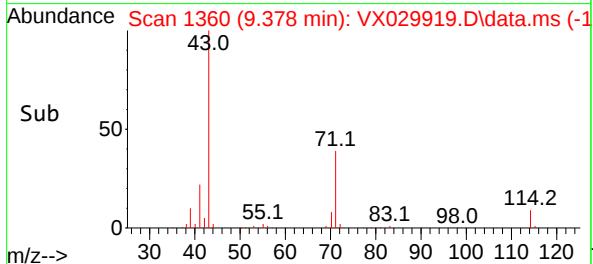
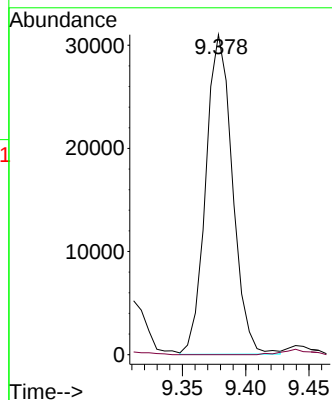
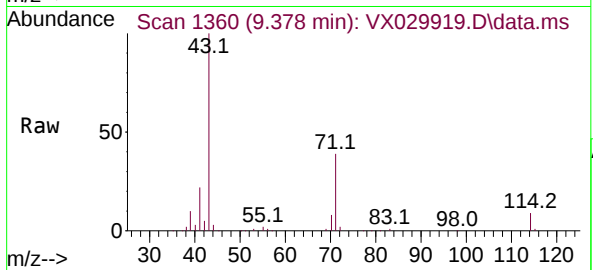
PB145991ZHE#05

Tgt Ion: 43 Resp: 45467

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#



#62

4-Bromofluorobenzene

Concen: 44.985 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX029919.D

Acq: 05 Jul 2022 14:41

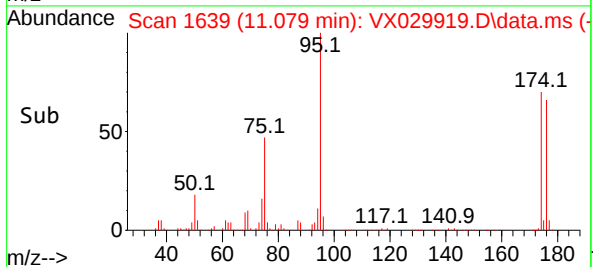
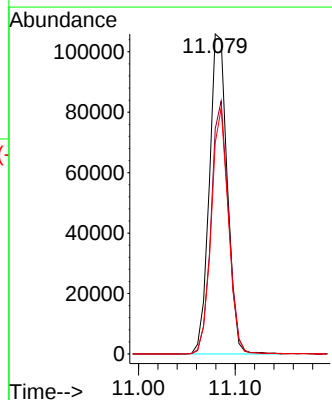
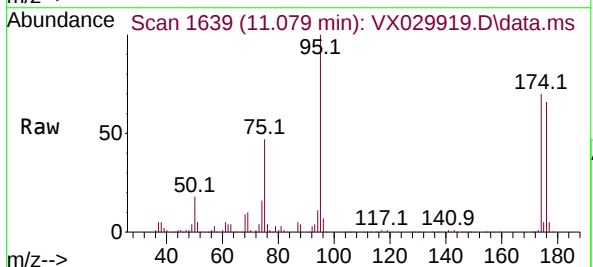
Tgt Ion: 95 Resp: 136804

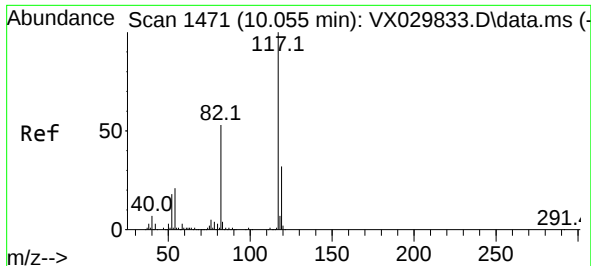
Ion Ratio Lower Upper

95 100

174 76.8 0.0 149.0

176 73.4 0.0 146.0

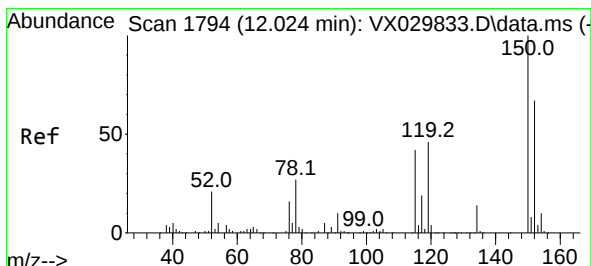
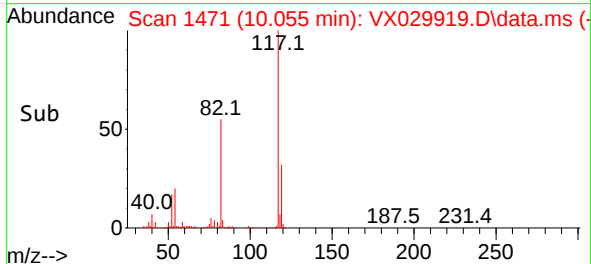
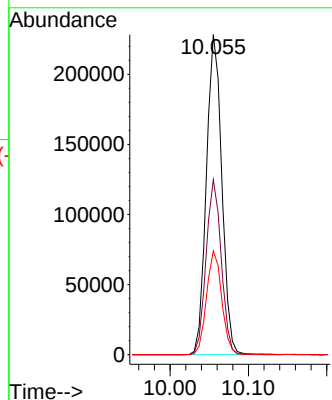
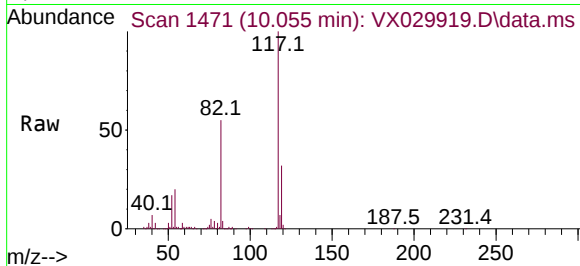




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029919.D
Acq: 05 Jul 2022 14:41

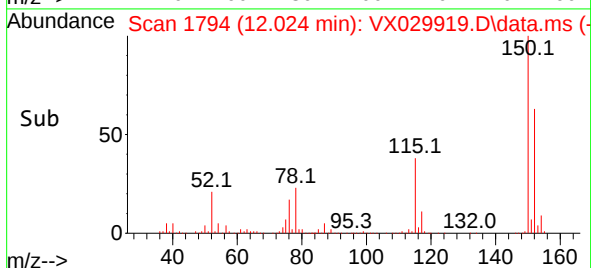
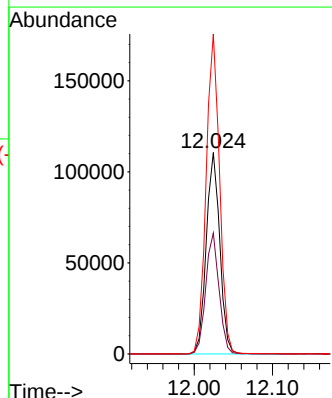
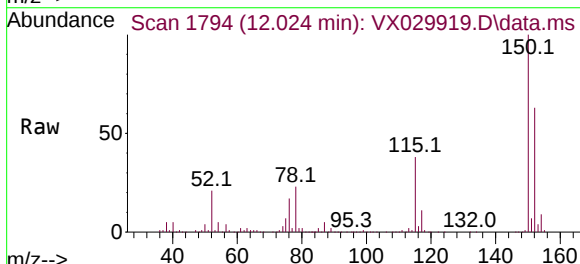
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#05

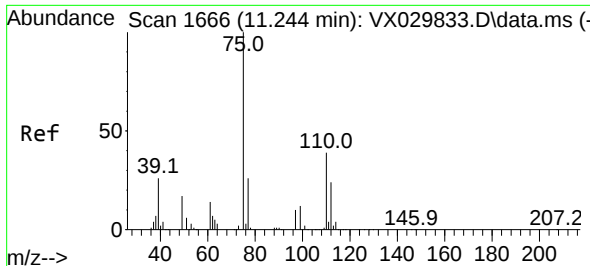
Tgt Ion:117 Resp: 311587
Ion Ratio Lower Upper
117 100
82 54.7 42.7 64.1
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029919.D
Acq: 05 Jul 2022 14:41

Tgt Ion:152 Resp: 132421
Ion Ratio Lower Upper
152 100
115 59.0 40.5 121.5
150 157.5 0.0 347.0

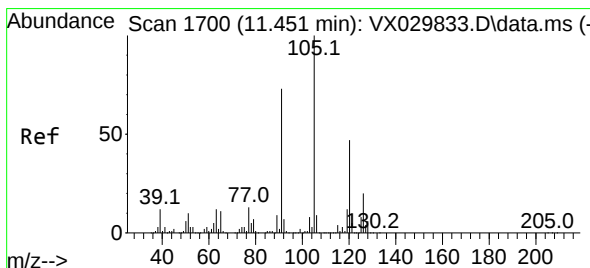
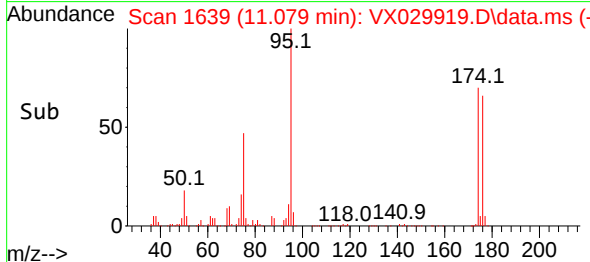
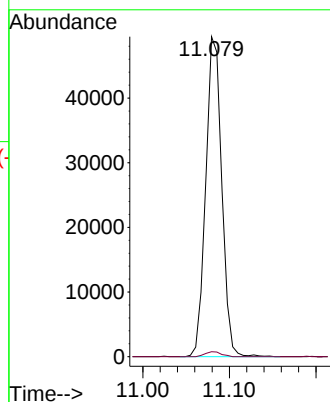
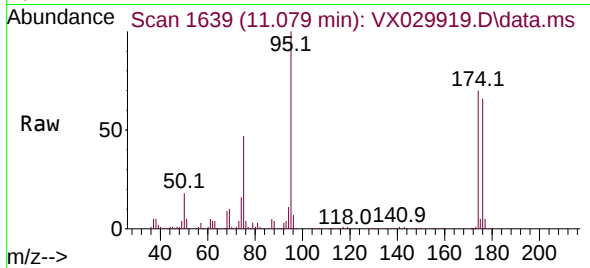




#76
1,2,3-Trichloropropane
Concen: 20.065 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.164 min
Lab File: VX029919.D
Acq: 05 Jul 2022 14:41

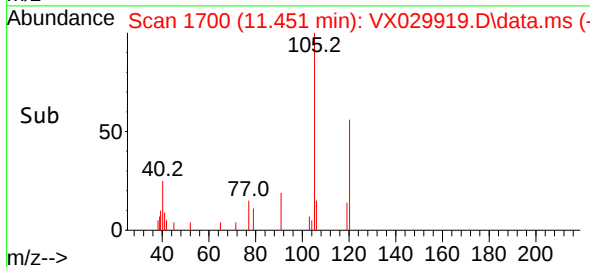
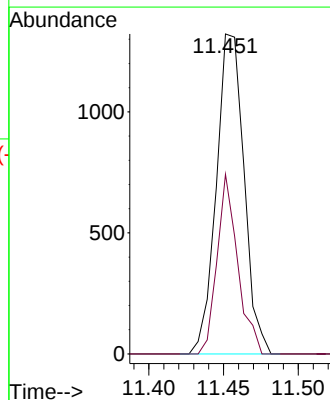
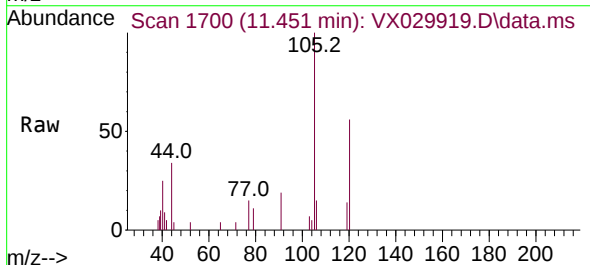
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#05

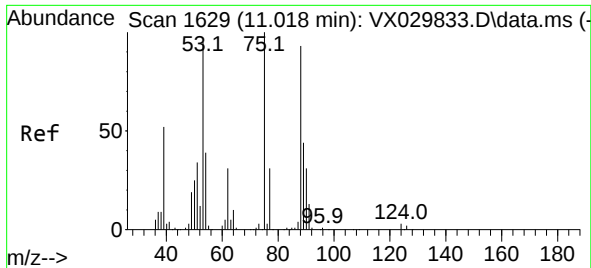
Tgt Ion: 75 Resp: 63606
Ion Ratio Lower Upper
75 100
77 1.6 19.8 59.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.214 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX029919.D
Acq: 05 Jul 2022 14:41

Tgt Ion: 105 Resp: 1705
Ion Ratio Lower Upper
105 100
120 41.6 24.4 73.2





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.722 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029919.D
 Acq: 05 Jul 2022 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#05

Tgt Ion: 75 Resp: 63606
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

