

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029918.D
 Acq On : 05 Jul 2022 14:18
 Operator : JC/MD
 Sample : PB145991ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#04

Quant Time: Jul 06 06:55:14 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

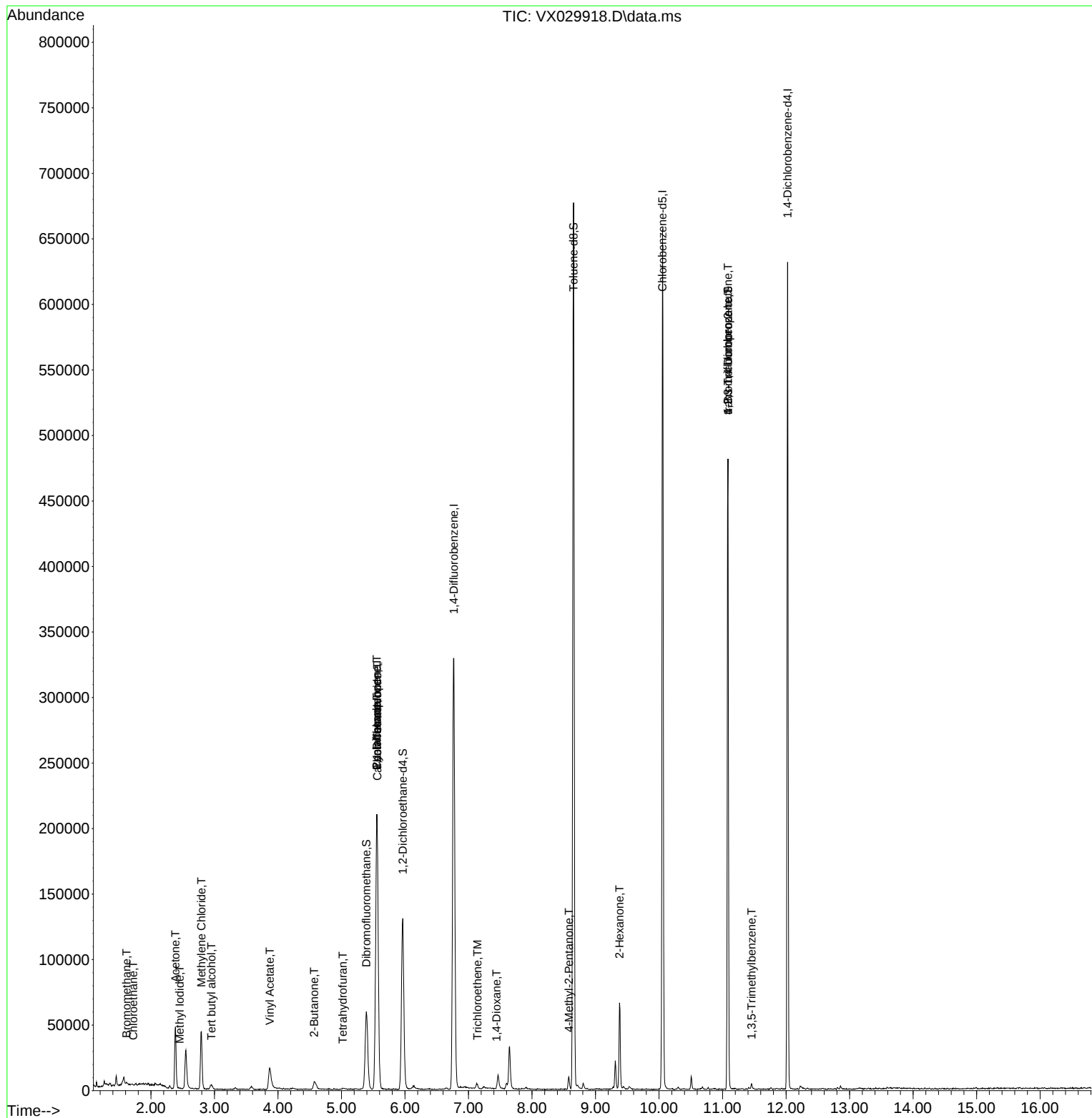
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.555	168	207704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	358250	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	306211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	113594	43.205	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.420%
35) Dibromofluoromethane	5.391	113	53067	23.703	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	47.400%#
50) Toluene-d8	8.652	98	408098	48.588	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.180%
62) 4-Bromofluorobenzene	11.085	95	133998	45.133	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.260%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	462	0.361	ug/l #	37
6) Chloroethane	1.721	64	456	1.298	ug/l #	41
10) Methyl Iodide	2.452	142	352	1.992	ug/l #	69
11) Tert butyl alcohol	2.952	59	2396	3.485	ug/l #	82
13) Acrolein	2.257	56	74	Below Cal		84
16) Acetone	2.385	43	48885	38.005	ug/l	99
20) Methylene Chloride	2.794	84	19927	7.335	ug/l	93
23) Vinyl Acetate	3.873	43	3181	0.461	ug/l #	72
25) 2-Butanone	4.568	43	5465	2.448	ug/l	97
29) Tetrahydrofuran	5.019	42	484	0.329	ug/l #	49
31) Cyclohexane	5.555	56	4118	1.123	ug/l #	1
36) 1,1-Dichloropropene	5.555	75	15766	5.295	ug/l #	47
38) Carbon Tetrachloride	5.562	117	19836	7.688	ug/l #	18
44) Trichloroethene	7.141	130	1509	0.582	ug/l	68
49) 1,4-Dioxane	7.439	88	45	0.654	ug/l #	25
51) 4-Methyl-2-Pentanone	8.579	43	5823	1.440	ug/l	90
59) 2-Hexanone	9.378	43	45099	14.371	ug/l #	24
76) 1,2,3-Trichloropropane	11.085	75	62056	20.167	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	1922	0.249	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.085	75	62056	64.045	ug/l #	13

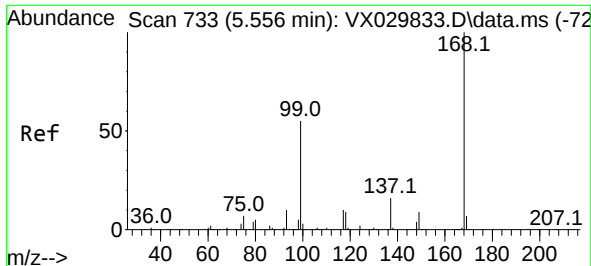
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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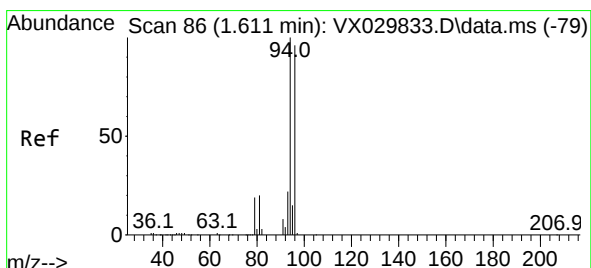
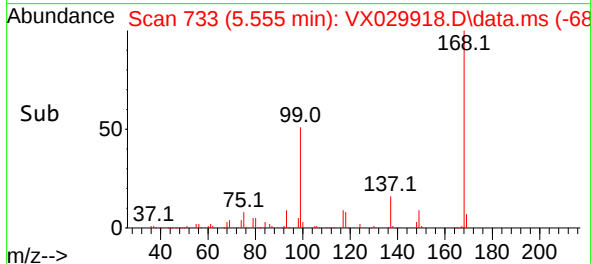
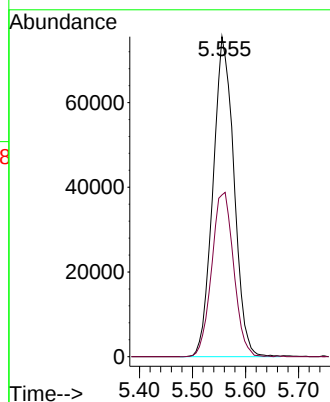
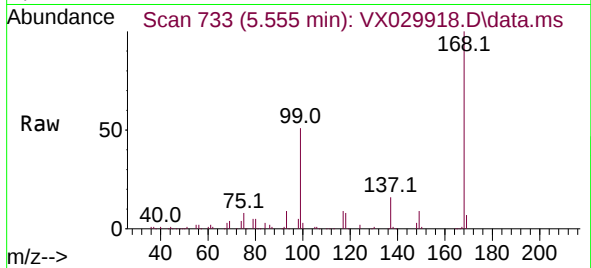




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

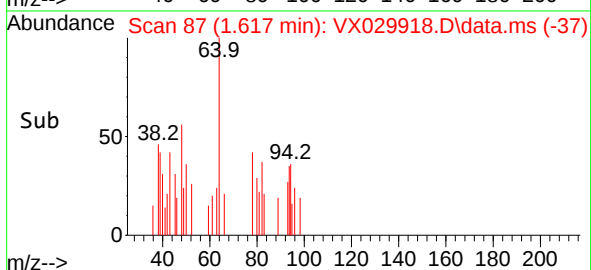
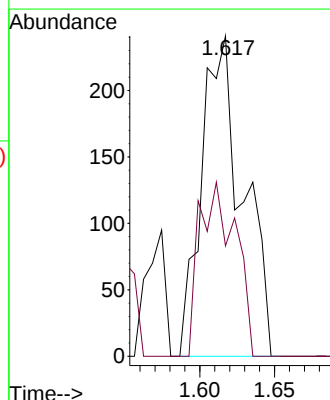
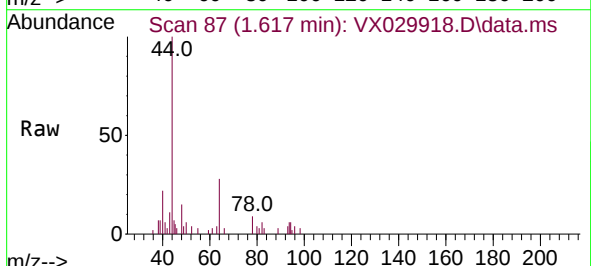
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#04

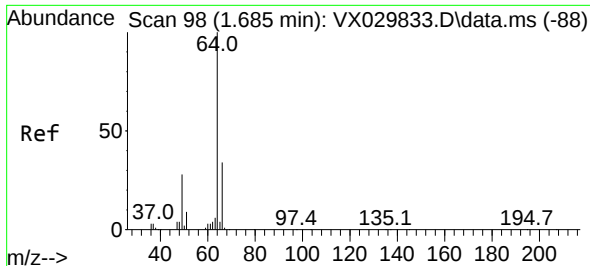
Tgt Ion:168 Resp: 207704
Ion Ratio Lower Upper
168 100
99 50.5 44.0 66.0



#5
Bromomethane
Concen: 0.361 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

Tgt Ion: 94 Resp: 462
Ion Ratio Lower Upper
94 100
96 34.4 76.9 115.3#

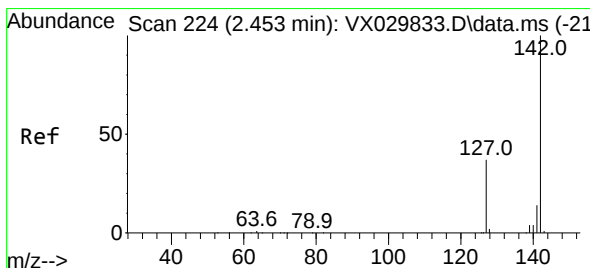
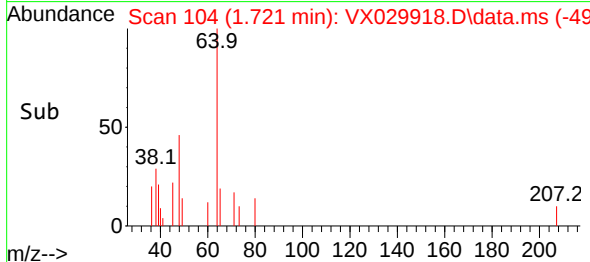
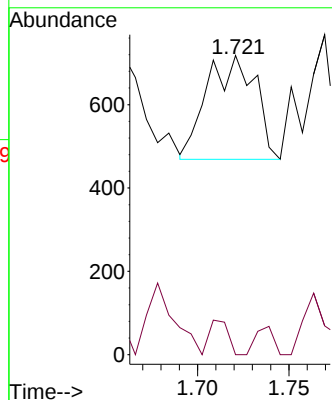
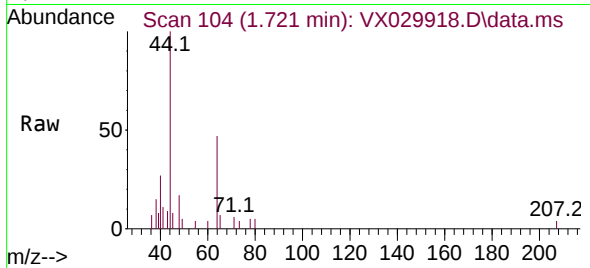




#6
Chloroethane
Concen: 1.298 ug/l
RT: 1.721 min Scan# 104
Delta R.T. 0.036 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

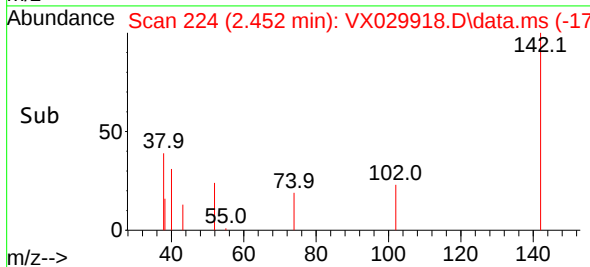
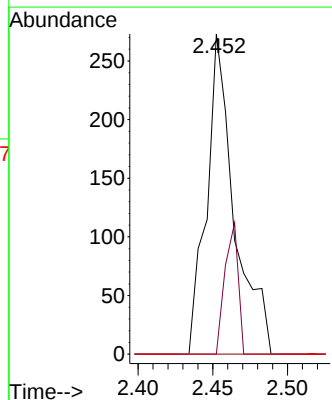
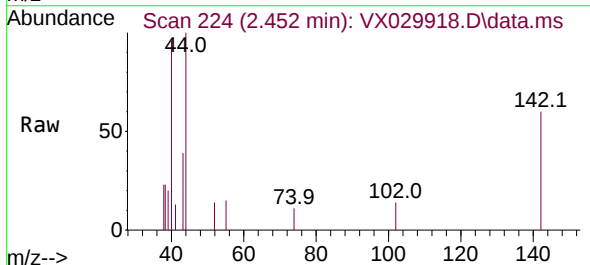
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#04

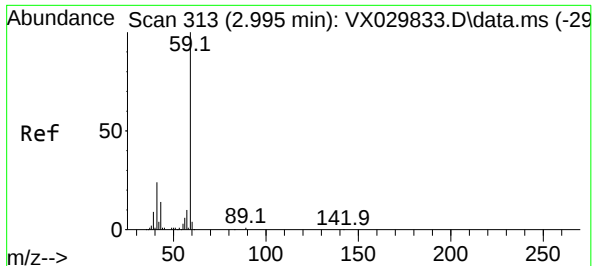
Tgt Ion: 64 Resp: 456
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 1.992 ug/l
RT: 2.452 min Scan# 224
Delta R.T. -0.001 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

Tgt Ion: 142 Resp: 352
Ion Ratio Lower Upper
142 100
127 19.6 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 3.485 ug/l

RT: 2.952 min Scan# 306

Delta R.T. -0.043 min

Lab File: VX029918.D

Acq: 05 Jul 2022 14:18

Instrument :

MSVOA_X

ClientSampleId :

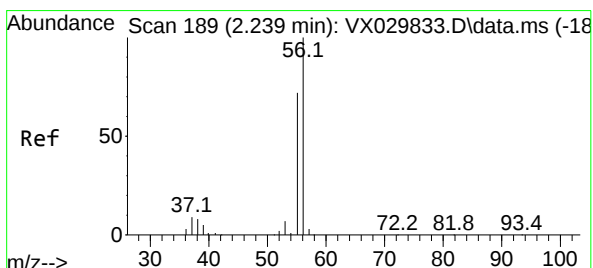
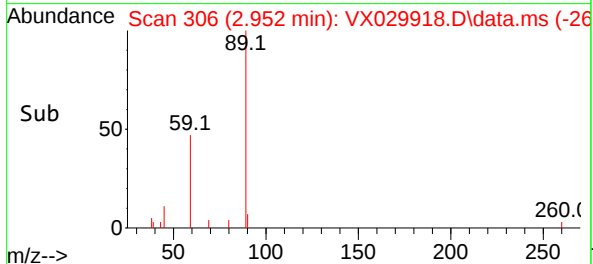
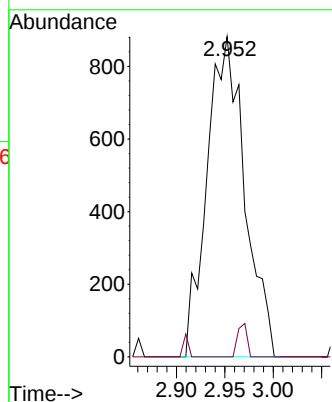
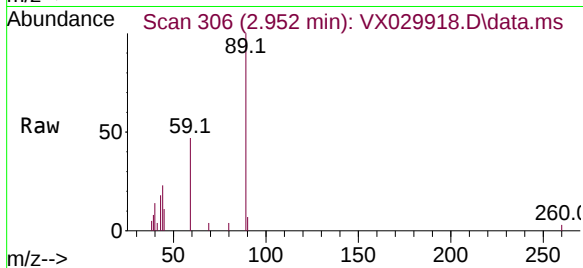
PB145991ZHE#04

Tgt Ion: 59 Resp: 2396

Ion Ratio Lower Upper

59 100

57 2.6 7.4 11.2#



#13

Acrolein

Concen: Below Cal

RT: 2.257 min Scan# 192

Delta R.T. 0.018 min

Lab File: VX029918.D

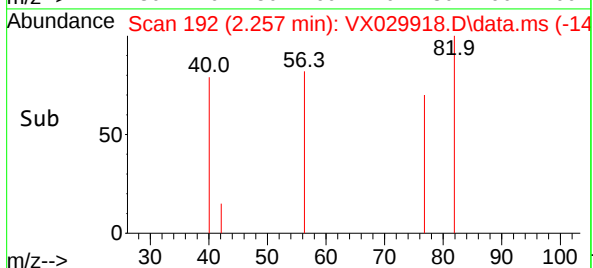
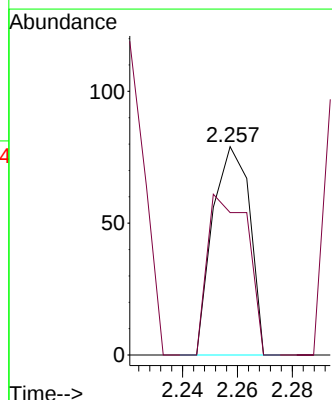
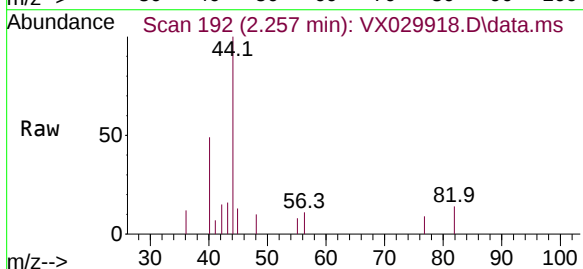
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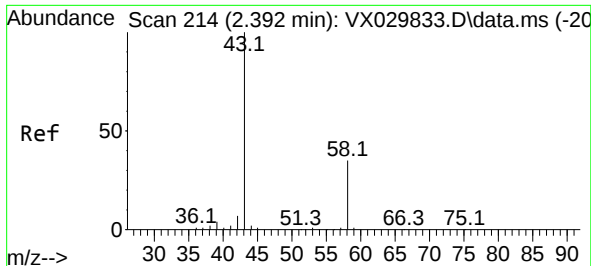
Tgt Ion: 56 Resp: 74

Ion Ratio Lower Upper

56 100

55 83.8 56.6 84.8

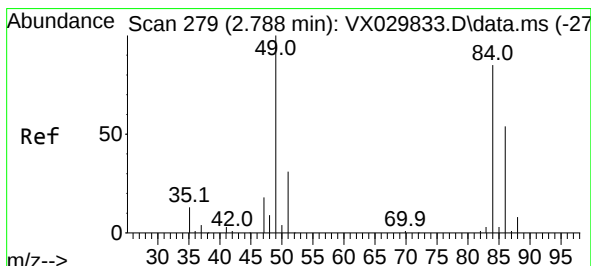
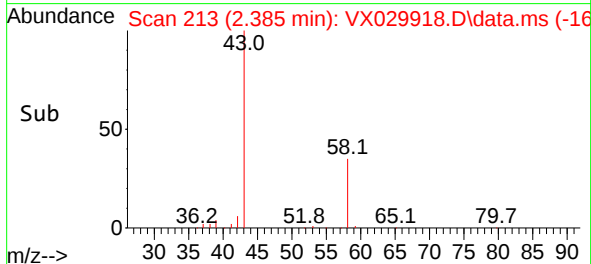
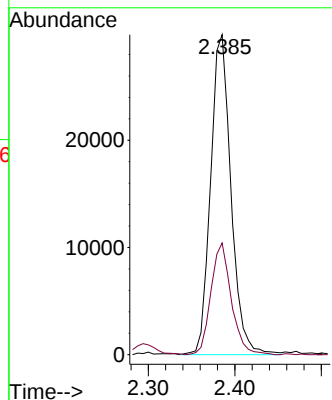
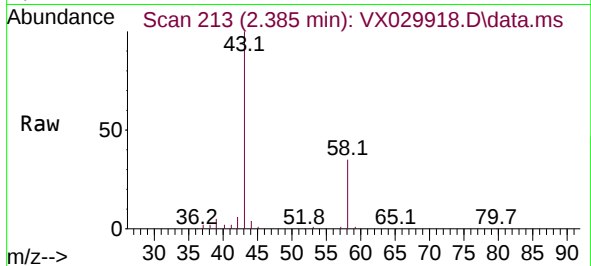




#16
Acetone
Concen: 38.005 ug/l
RT: 2.385 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

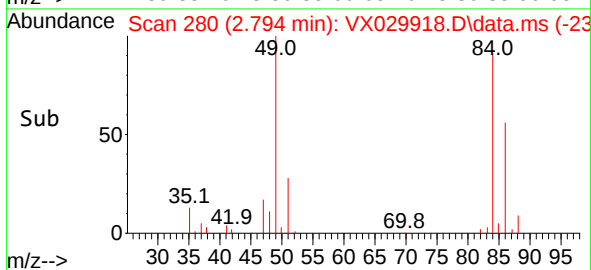
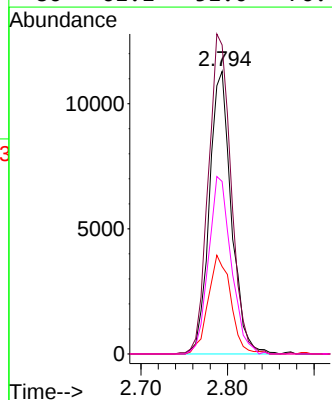
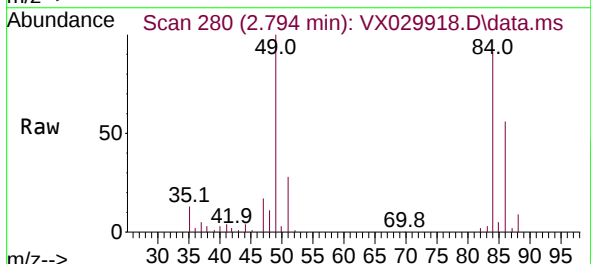
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#04

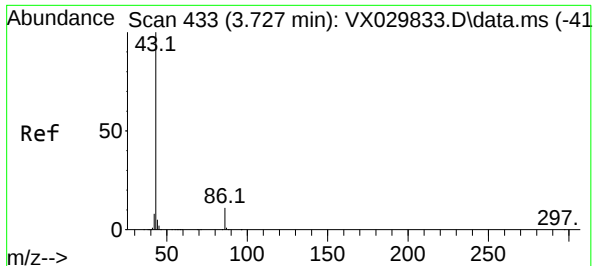
Tgt Ion: 43 Resp: 48885
Ion Ratio Lower Upper
43 100
58 34.9 27.7 41.5



#20
Methylene Chloride
Concen: 7.335 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

Tgt Ion: 84 Resp: 19927
Ion Ratio Lower Upper
84 100
49 109.3 93.8 140.6
51 30.9 29.4 44.0
86 61.1 51.0 76.4

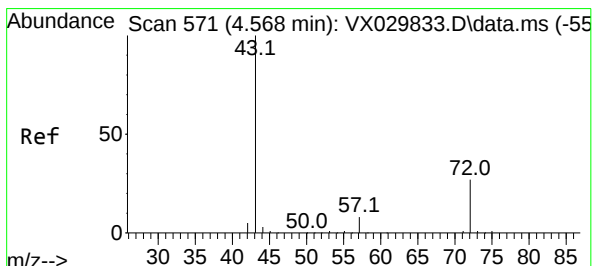
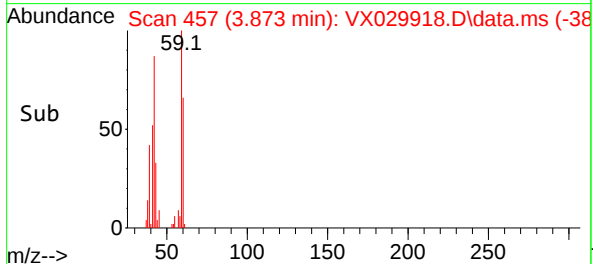
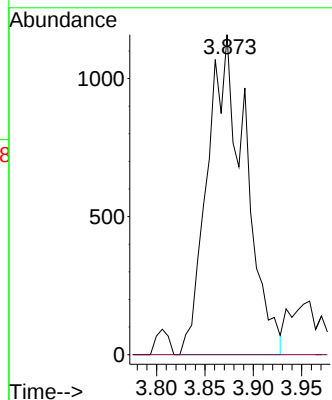
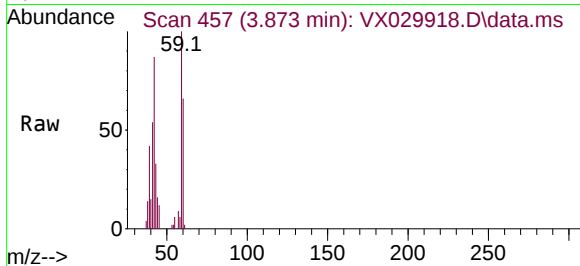




#23
 Vinyl Acetate
 Concen: 0.461 ug/l
 RT: 3.873 min Scan# 41
 Delta R.T. 0.146 min
 Lab File: VX029918.D
 Acq: 05 Jul 2022 14:18

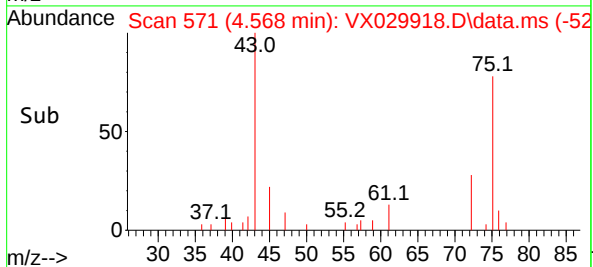
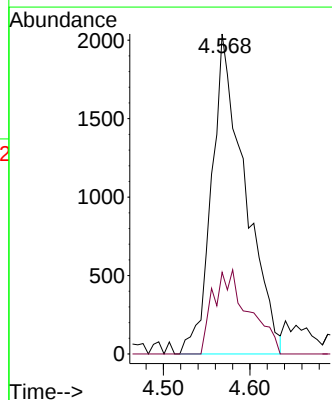
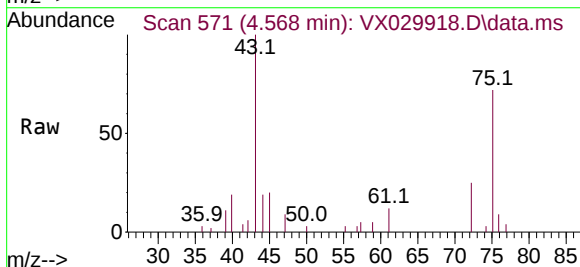
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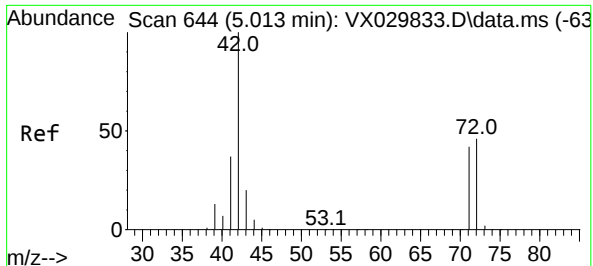
Tgt Ion: 43 Resp: 3181
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.5 12.7#



#25
 2-Butanone
 Concen: 2.448 ug/l
 RT: 4.568 min Scan# 571
 Delta R.T. -0.000 min
 Lab File: VX029918.D
 Acq: 05 Jul 2022 14:18

Tgt Ion: 43 Resp: 5465
 Ion Ratio Lower Upper
 43 100
 72 25.5 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.329 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX029918.D

Acq: 05 Jul 2022 14:18

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#04

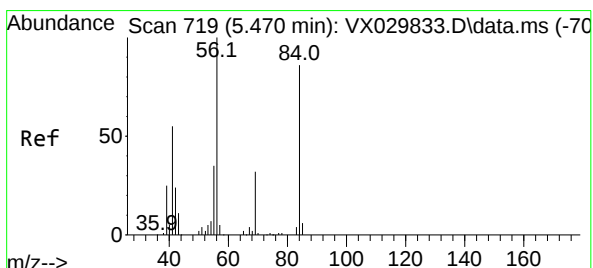
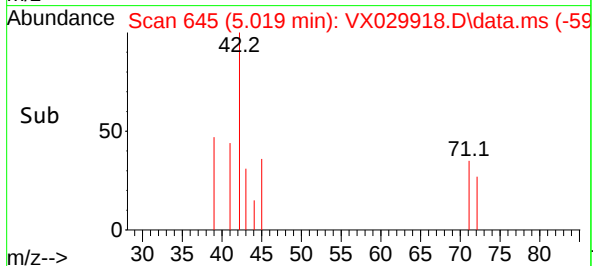
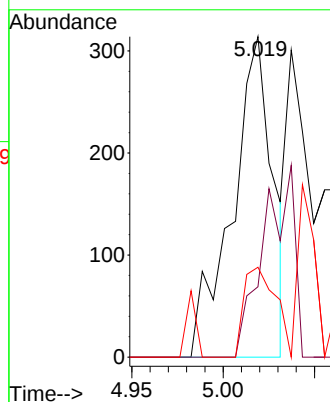
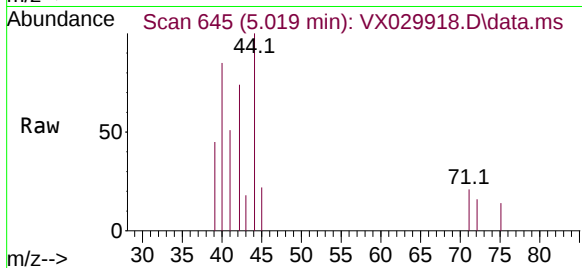
Tgt Ion: 42 Resp: 484

Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

71 21.9 33.9 50.9#



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 5.555 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX029918.D

Acq: 05 Jul 2022 14:18

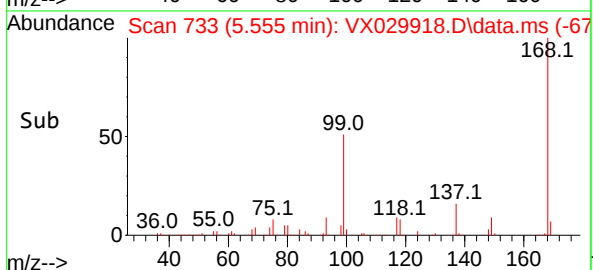
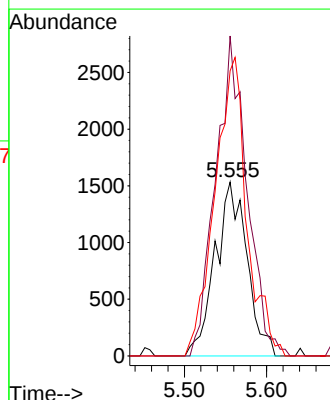
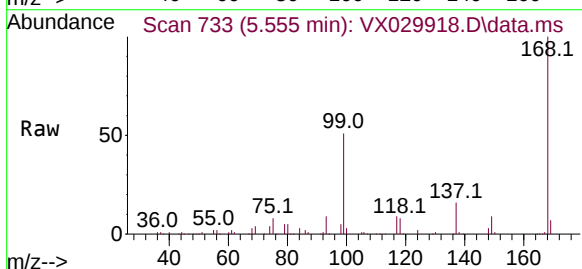
Tgt Ion: 56 Resp: 4118

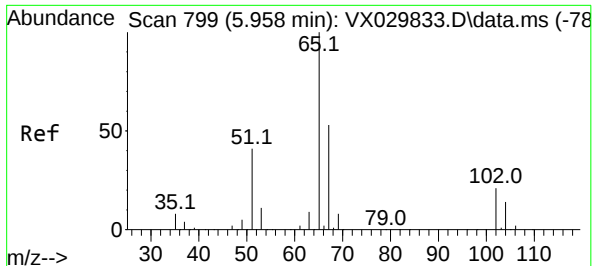
Ion Ratio Lower Upper

56 100

69 184.1 25.4 38.0#

84 164.1 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 43.205 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX029918.D

Acq: 05 Jul 2022 14:18

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ClientSampleId :

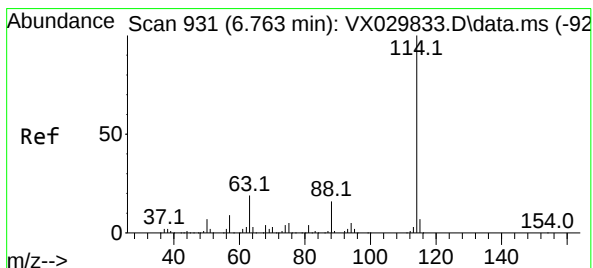
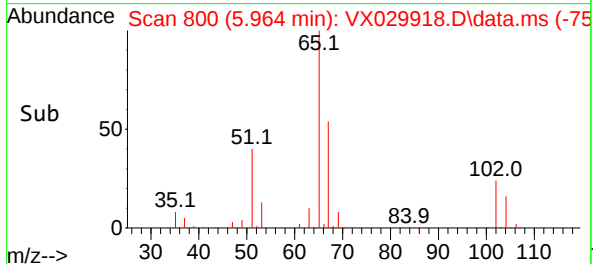
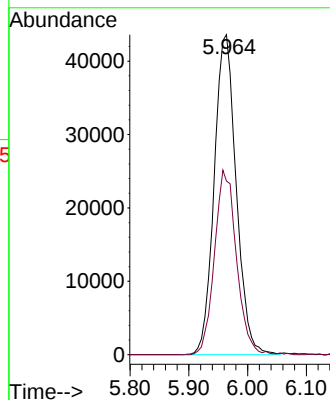
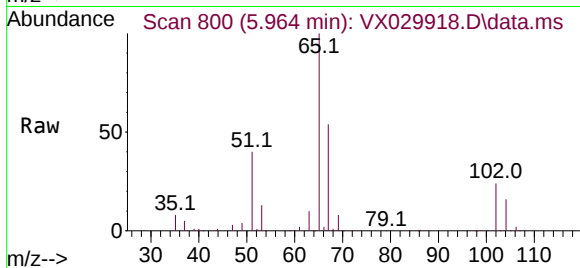
PB145991ZHE#04

Tgt Ion: 65 Resp: 113594

Ion Ratio Lower Upper

65 100

67 57.5 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: VX029918.D

Acq: 05 Jul 2022 14:18

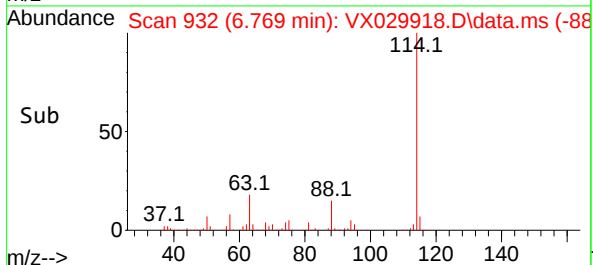
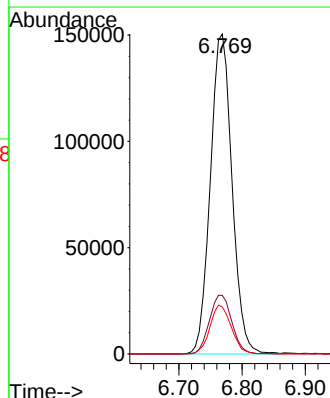
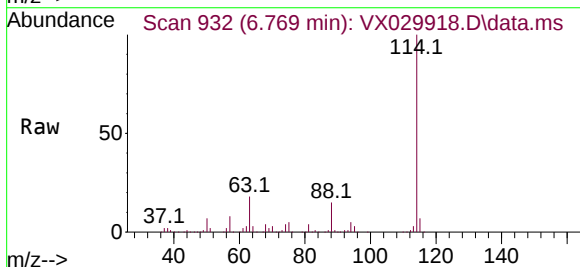
Tgt Ion: 114 Resp: 358250

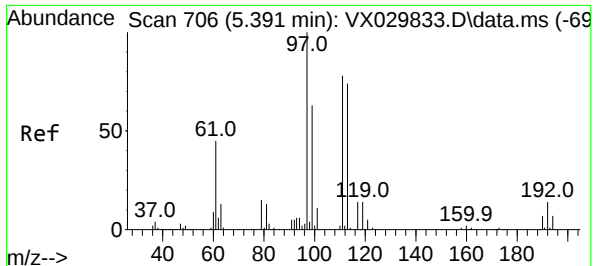
Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 14.7 0.0 31.8

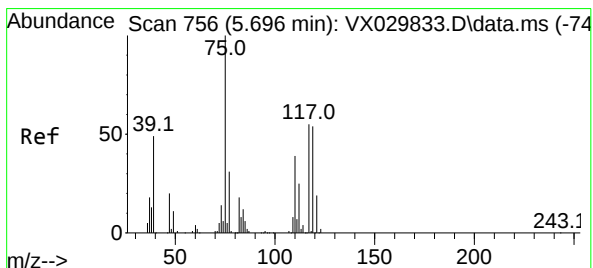
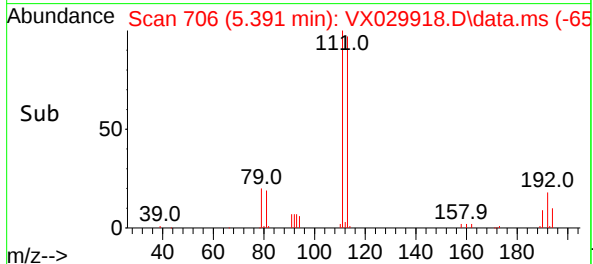
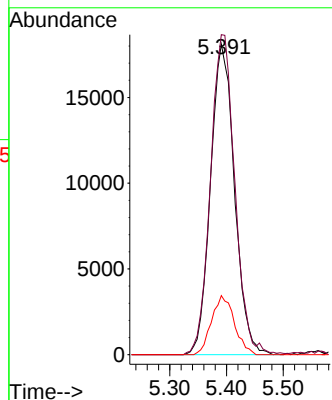
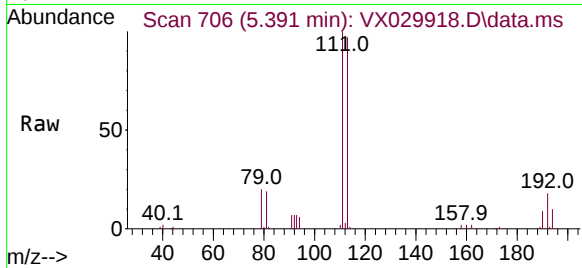




#35
Dibromofluoromethane
Concen: 23.703 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

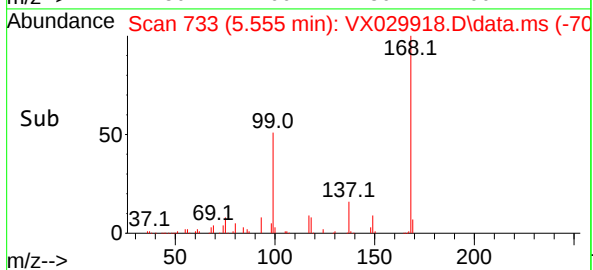
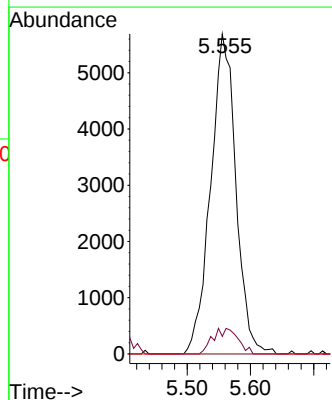
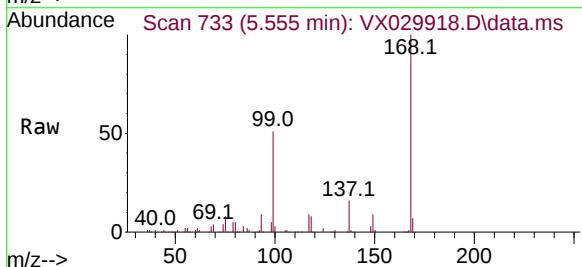
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#04

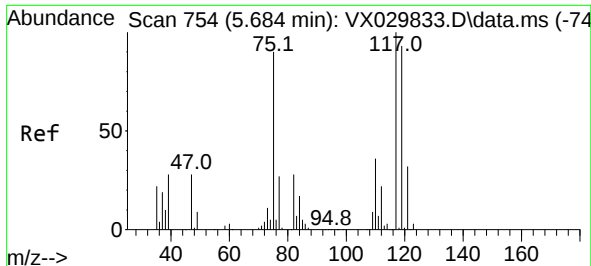
Tgt Ion:113 Resp: 53067
Ion Ratio Lower Upper
113 100
111 105.0 83.2 124.8
192 18.1 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.295 ug/l
RT: 5.555 min Scan# 733
Delta R.T. -0.141 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

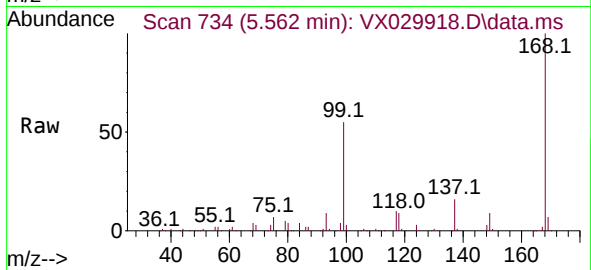
Tgt Ion: 75 Resp: 15766
Ion Ratio Lower Upper
75 100
110 7.9 19.3 57.9#
77 0.0 24.4 36.6#



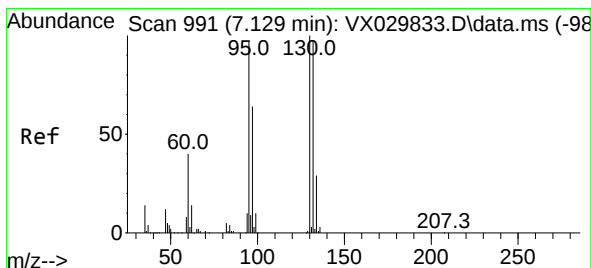
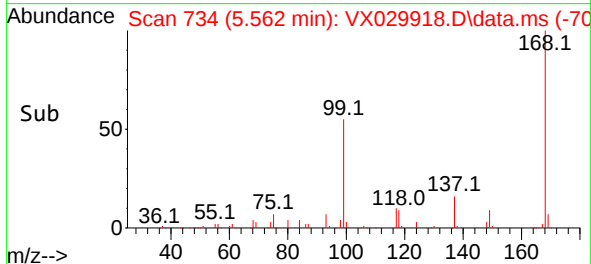
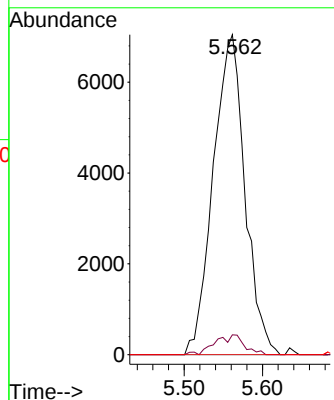


#38
Carbon Tetrachloride
Concen: 7.688 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.122 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#04

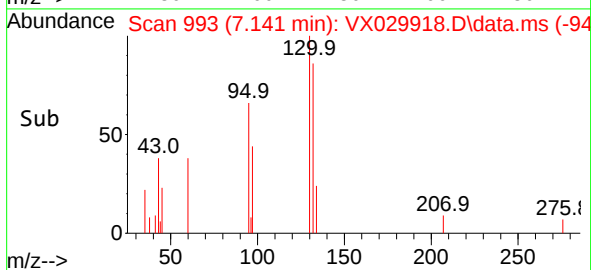
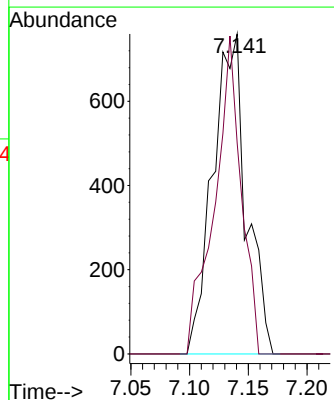
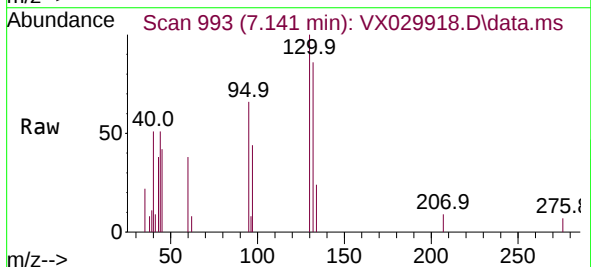


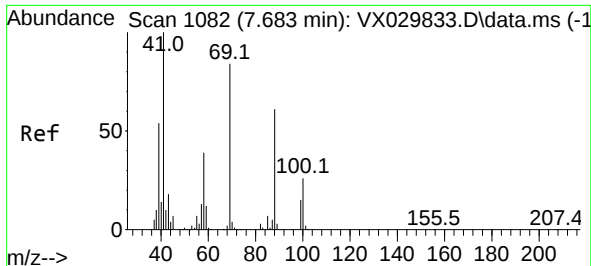
Tgt Ion:117 Resp: 19836
Ion Ratio Lower Upper
117 100
119 6.2 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.582 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

Tgt Ion:130 Resp: 1509
Ion Ratio Lower Upper
130 100
95 65.9 0.0 194.8





#49

1,4-Dioxane

Concen: 0.654 ug/l

RT: 7.439 min Scan# 1042

Delta R.T. -0.244 min

Lab File: VX029918.D

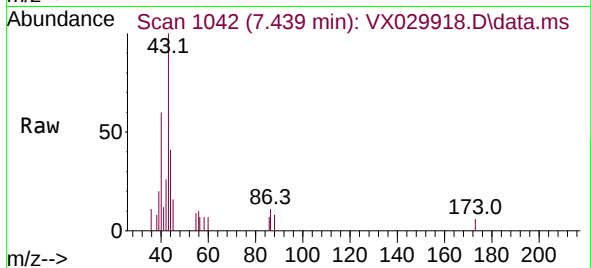
Acq: 05 Jul 2022 14:18

Instrument :

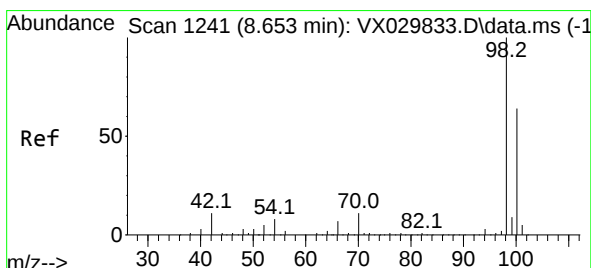
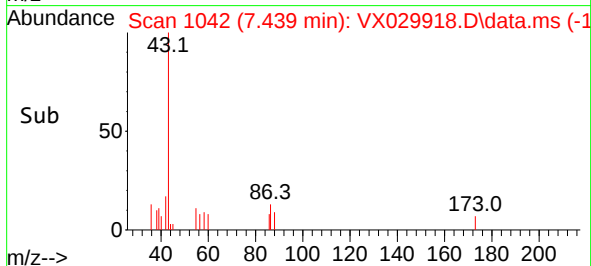
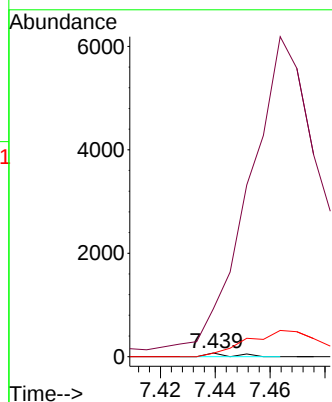
MSVOA_X

ClientSampleId :

PB145991ZHE#04



Tgt Ion:	88	Resp:	45
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	0.0	53.8	80.6#



#50

Toluene-d8

Concen: 48.588 ug/l

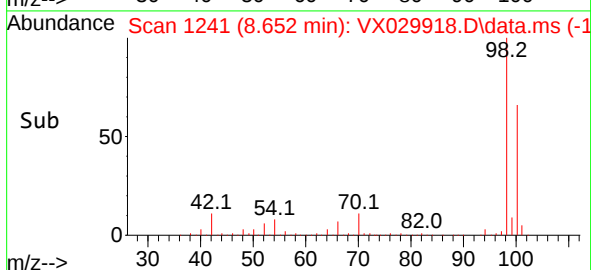
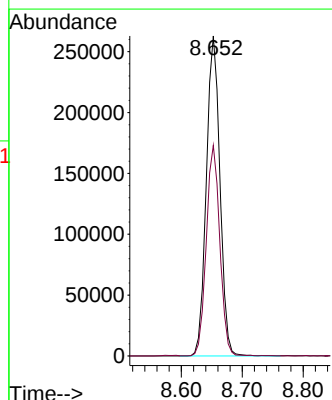
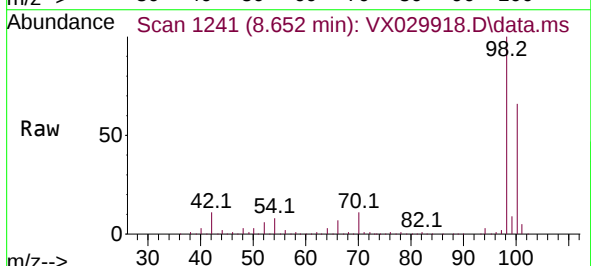
RT: 8.652 min Scan# 1241

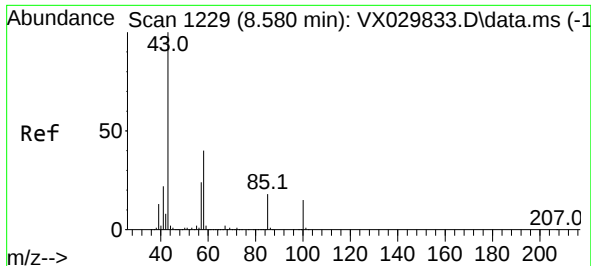
Delta R.T. -0.000 min

Lab File: VX029918.D

Acq: 05 Jul 2022 14:18

Tgt Ion:	98	Resp:	408098
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 1.440 ug/l

RT: 8.579 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX029918.D

Acq: 05 Jul 2022 14:18

Instrument :

MSVOA_X

ClientSampleId :

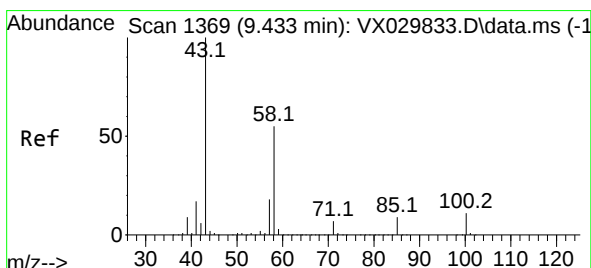
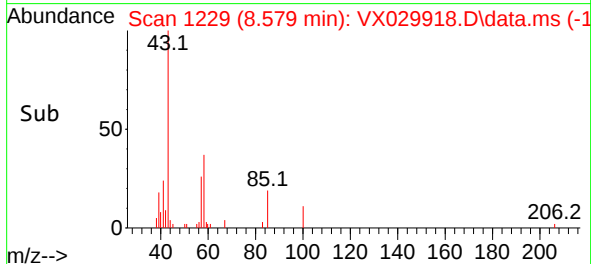
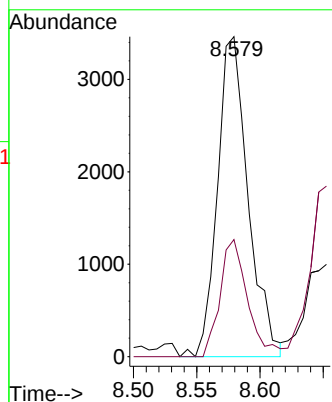
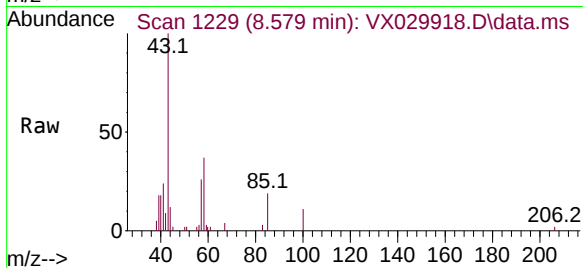
PB145991ZHE#04

Tgt Ion: 43 Resp: 5823

Ion Ratio Lower Upper

43 100

58 33.0 31.4 47.2



#59

2-Hexanone

Concen: 14.371 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX029918.D

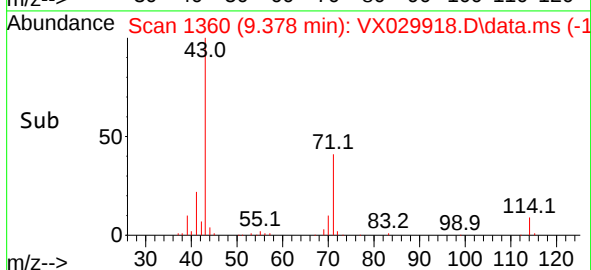
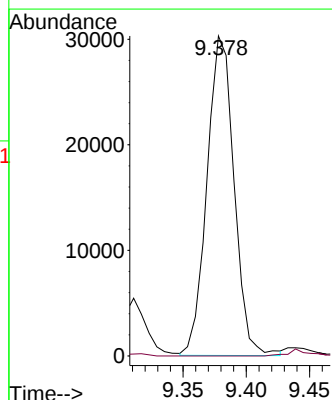
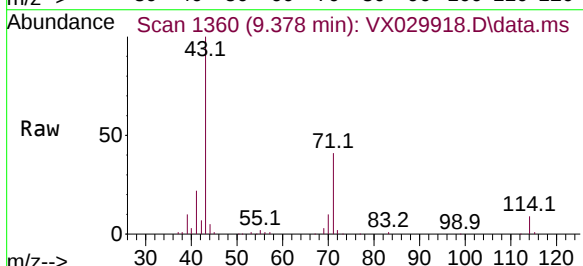
Acq: 05 Jul 2022 14:18

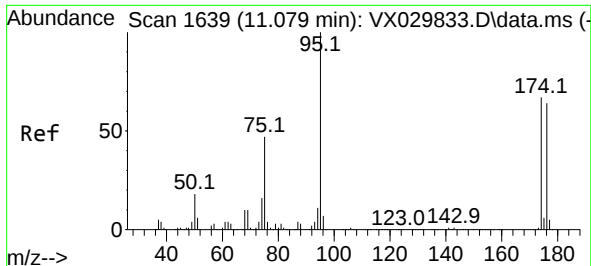
Tgt Ion: 43 Resp: 45099

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#

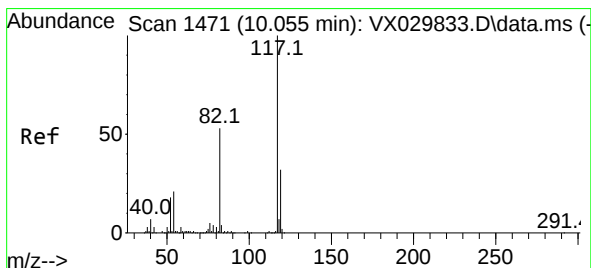
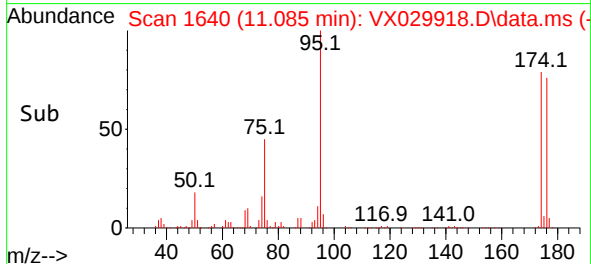
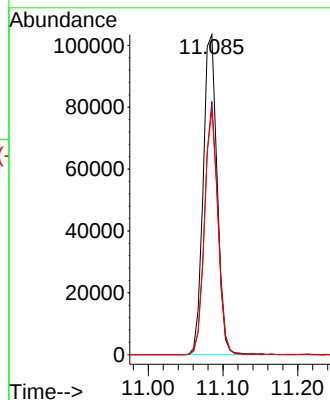
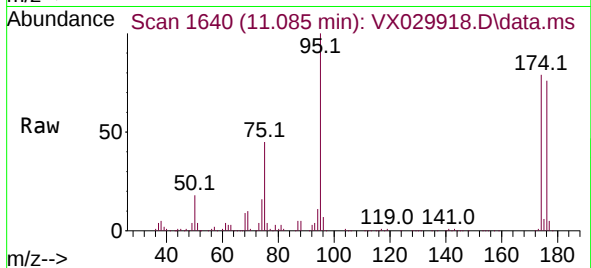




#62
4-Bromofluorobenzene
Concen: 45.133 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

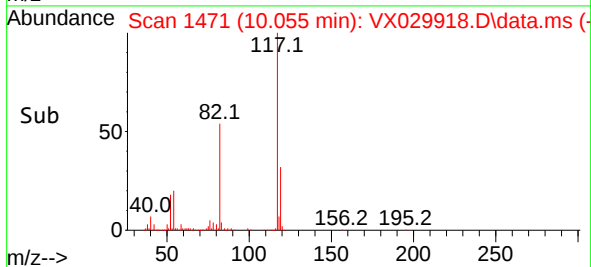
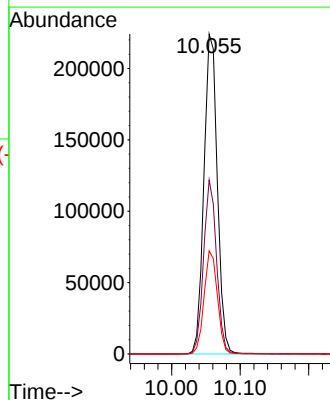
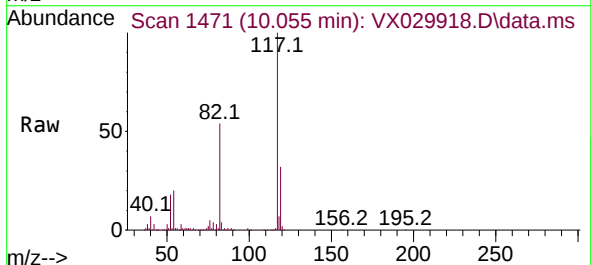
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#04

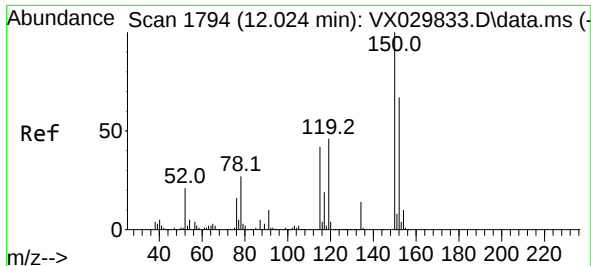
Tgt Ion: 95 Resp: 133998
Ion Ratio Lower Upper
95 100
174 75.5 0.0 149.0
176 73.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

Tgt Ion: 117 Resp: 306211
Ion Ratio Lower Upper
117 100
82 54.4 42.7 64.1
119 32.3 25.4 38.2

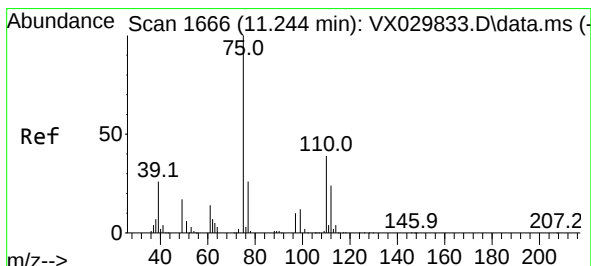
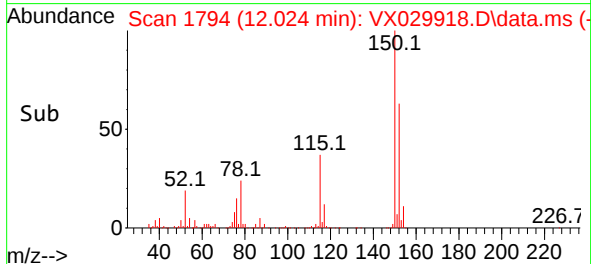
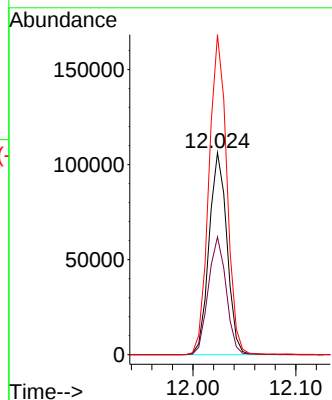
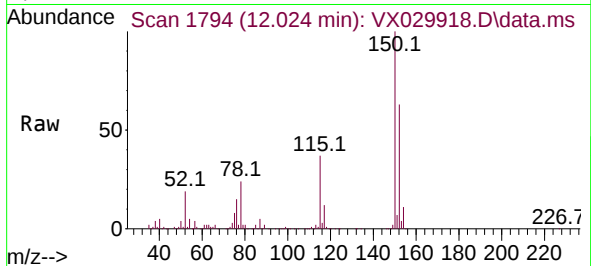




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

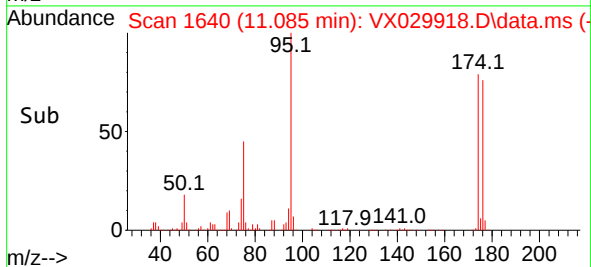
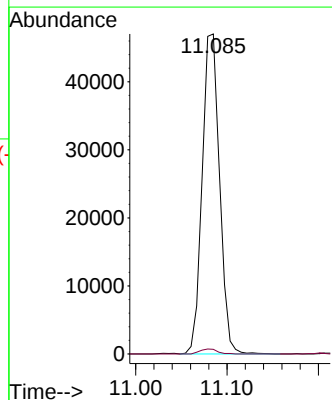
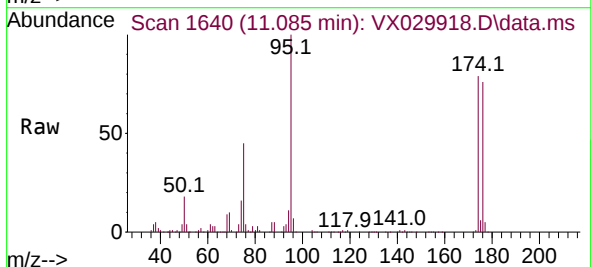
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#04

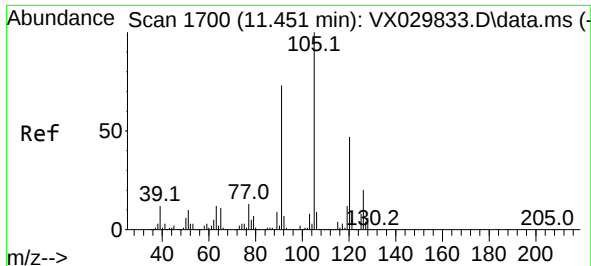
Tgt Ion:152 Resp: 128542
Ion Ratio Lower Upper
152 100
115 58.3 40.5 121.5
150 158.3 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 20.167 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

Tgt Ion: 75 Resp: 62056
Ion Ratio Lower Upper
75 100
77 1.6 19.8 59.3#

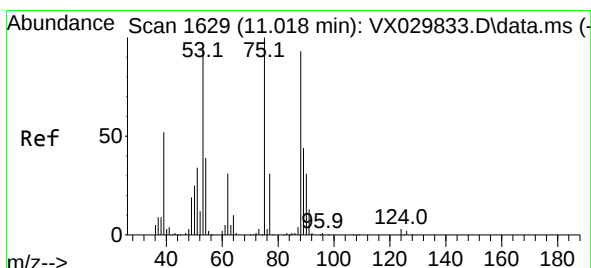
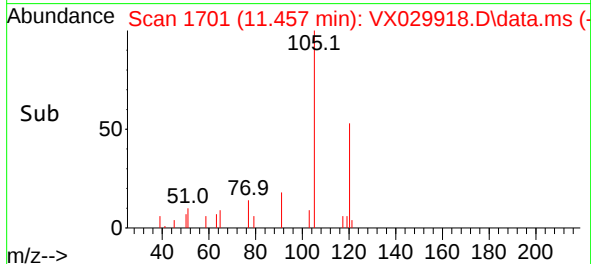
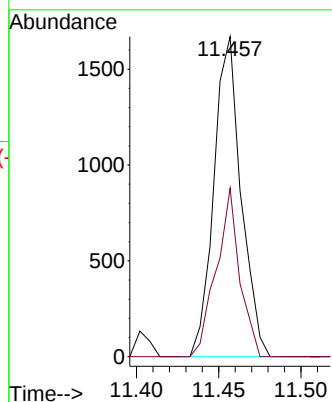
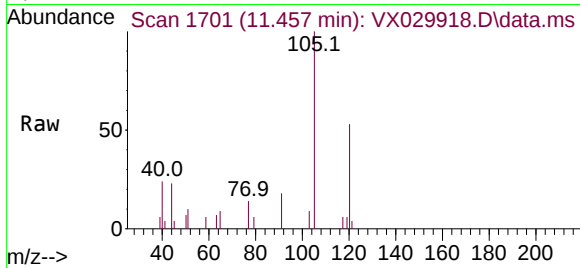




#80
1,3,5-Trimethylbenzene
Concen: 0.249 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#04

Tgt Ion:105 Resp: 1922
Ion Ratio Lower Upper
105 100
120 45.3 24.4 73.2



#81
trans-1,4-Dichloro-2-butene
Concen: 64.045 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX029918.D
Acq: 05 Jul 2022 14:18

Tgt Ion: 75 Resp: 62056
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

