

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
 Data File : VX029299.D
 Acq On : 08 Jun 2022 01:30
 Operator : JC/MD
 Sample : PB145355ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#03

Quant Time: Jun 08 03:19:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

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

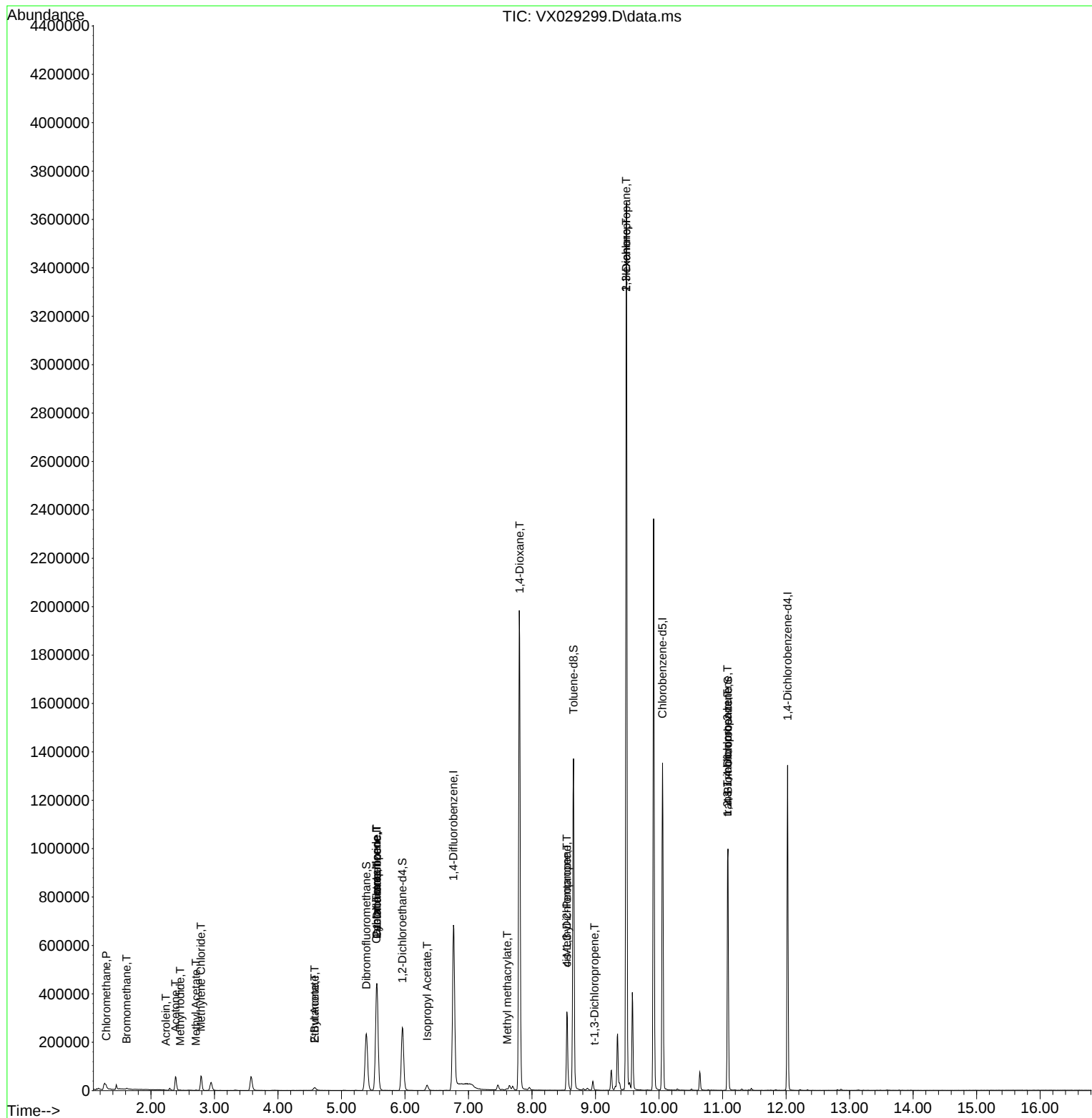
Internal Standards						
1) Pentafluorobenzene	5.556	168	415593	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	692914	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	614197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	262672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	255359	40.015	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	80.020%		
35) Dibromofluoromethane	5.391	113	209785	35.613	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	71.220%		
50) Toluene-d8	8.653	98	803517	38.568	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	77.140%		
62) 4-Bromofluorobenzene	11.085	95	285174	34.978	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	69.960%		
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	1678	0.238	ug/l	90
5) Bromomethane	1.617	94	1487	0.380	ug/l	81
6) Chloroethane	1.684	64	628	Below Cal	#	76
10) Methyl Iodide	2.459	142	1351	1.401	ug/l	96
11) Tert butyl alcohol	2.940	59	20833	Below Cal	#	75
13) Acrolein	2.233	56	240	0.313	ug/l	# 81
16) Acetone	2.385	43	65378	19.446	ug/l	94
18) Methyl Acetate	2.709	43	1946	0.218	ug/l	95
20) Methylene Chloride	2.788	84	27394	3.649	ug/l	96
25) 2-Butanone	4.574	43	9865	1.855	ug/l	97
31) Cyclohexane	5.556	56	8113	0.720	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	33660	3.459	ug/l	# 49
37) Ethyl Acetate	4.574	43	9824	0.978	ug/l	# 67
38) Carbon Tetrachloride	5.550	117	43436	4.367	ug/l	# 16
41) Methacrylonitrile	5.037	41	362	Below Cal	#	35
43) Isopropyl Acetate	6.348	43	29037	1.924	ug/l	99
48) Methyl methacrylate	7.610	41	8293	1.093	ug/l	# 8
49) 1,4-Dioxane	7.805	88	330	1.690	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	107773	10.913	ug/l	# 46
53) t-1,3-Dichloropropene	8.982	75	133	1.329	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	54289	4.966	ug/l	# 65
57) 1,3-Dichloropropane	9.482	76	34870	2.750	ug/l	# 43
59) 2-Hexanone	9.482	43	418714	55.763	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	139786	22.784	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	139786	69.938	ug/l	# 15

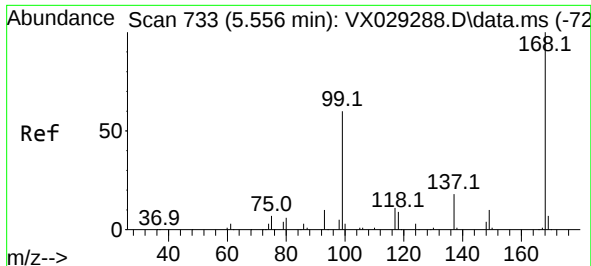
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
Data File : VX029299.D
Acq On : 08 Jun 2022 01:30
Operator : JC/MD
Sample : PB145355ZHE#03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#03

Quant Time: Jun 08 03:19:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 08 03:00:38 2022
Response via : Initial Calibration

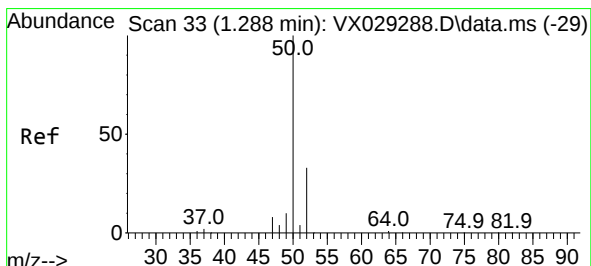
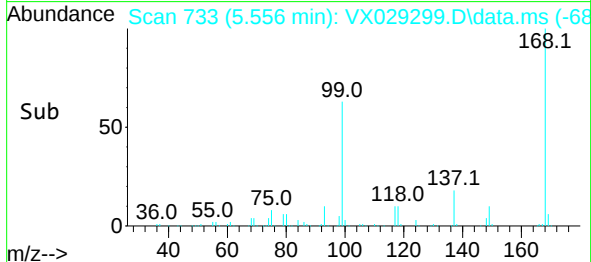
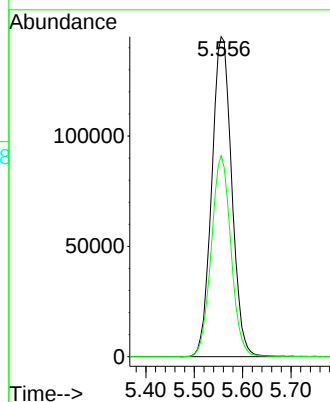
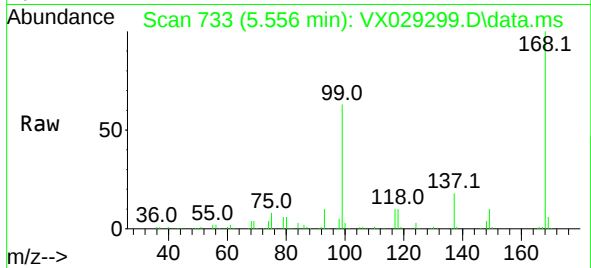




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

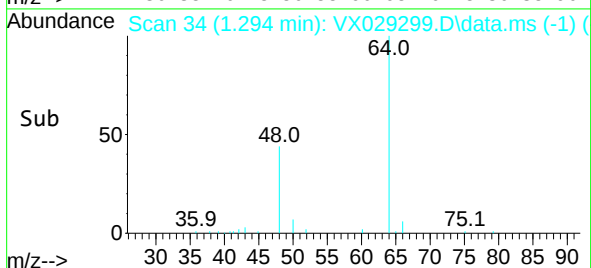
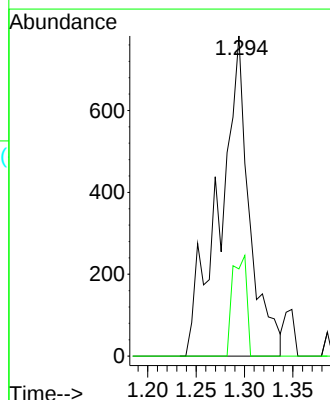
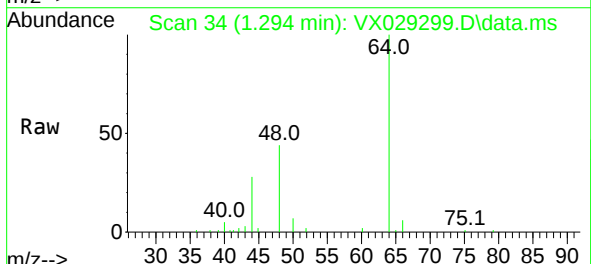
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#03

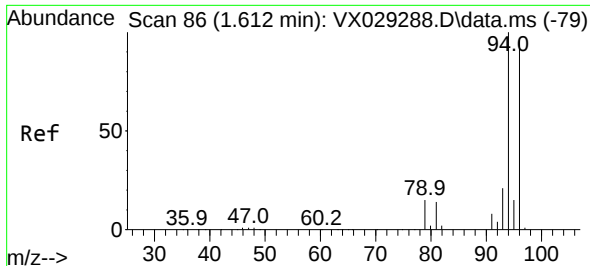
Tgt Ion:168 Resp: 415593
Ion Ratio Lower Upper
168 100
99 62.8 41.7 62.5#



#3
Chloromethane
Concen: 0.238 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

Tgt Ion: 50 Resp: 1678
Ion Ratio Lower Upper
50 100
52 27.2 26.4 39.6

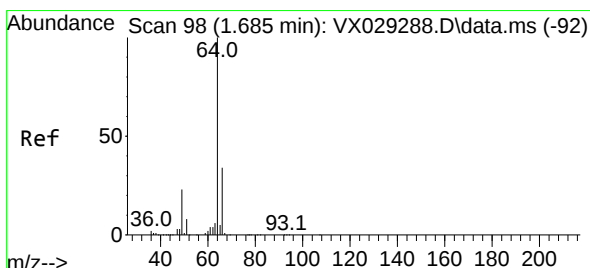
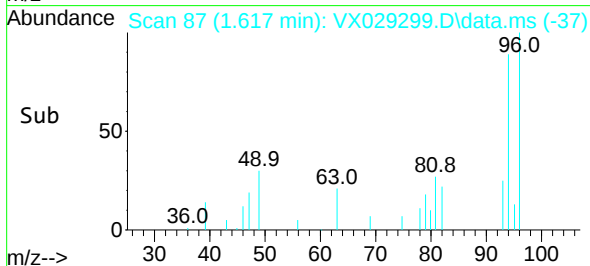
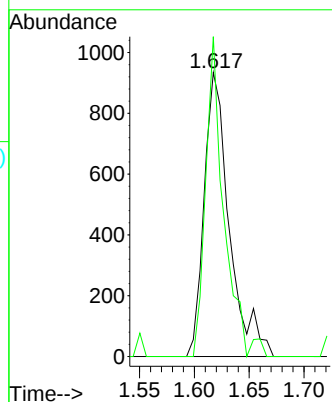
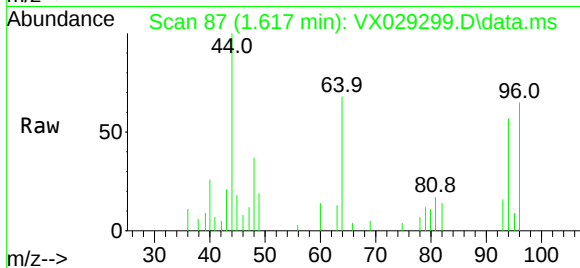




#5
Bromomethane
Concen: 0.380 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.005 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

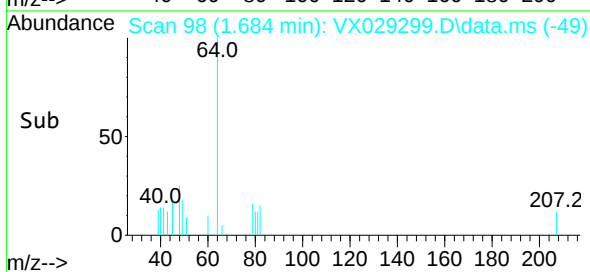
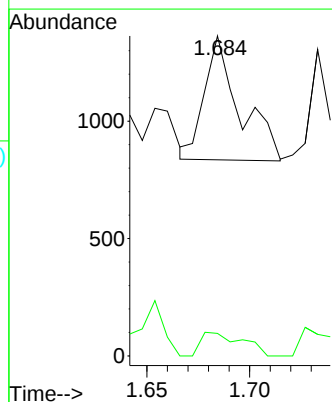
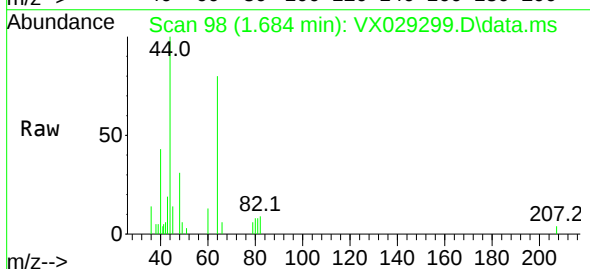
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#03

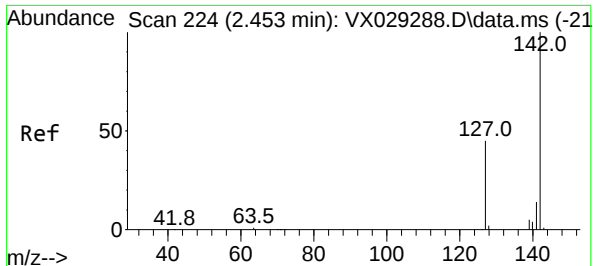
Tgt Ion: 94 Resp: 1487
Ion Ratio Lower Upper
94 100
96 112.6 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.684 min Scan# 98
Delta R.T. -0.001 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

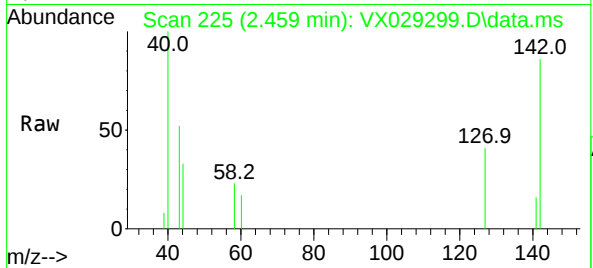
Tgt Ion: 64 Resp: 628
Ion Ratio Lower Upper
64 100
66 18.3 25.3 37.9#



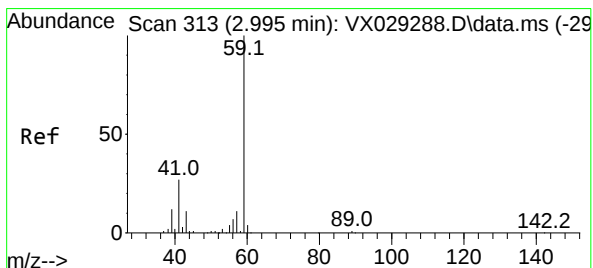
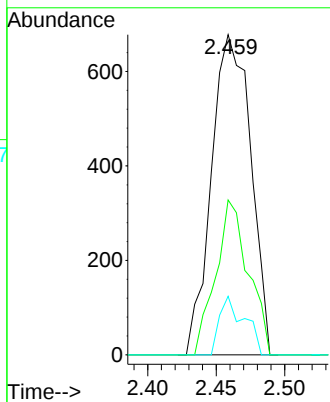
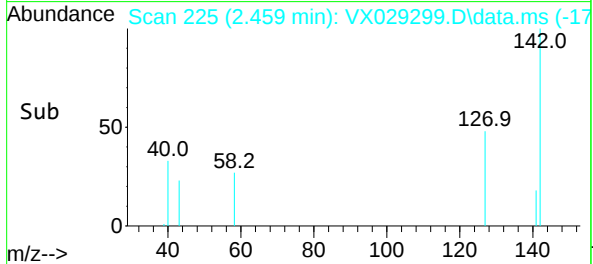


#10
Methyl Iodide
Concen: 1.401 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#03

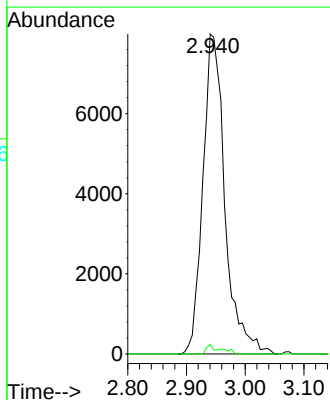
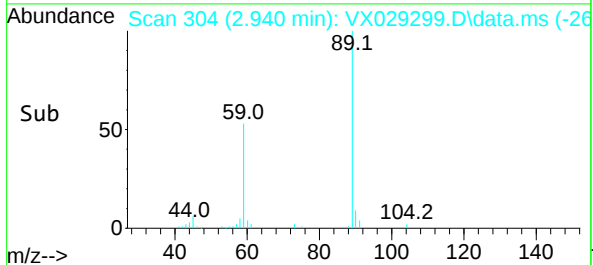
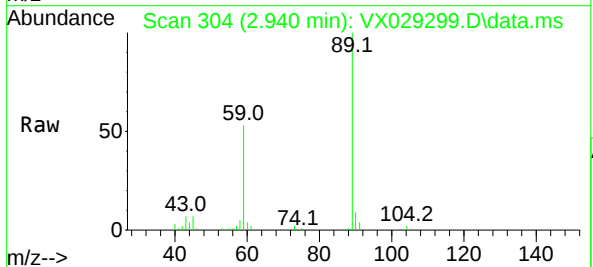


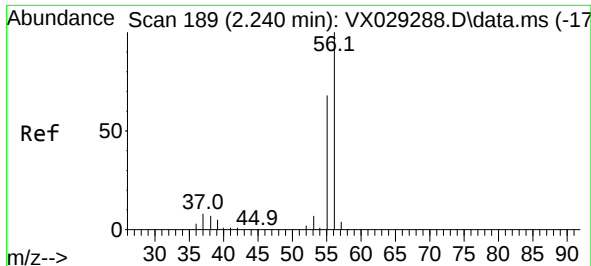
Tgt Ion:142 Resp: 1351
Ion Ratio Lower Upper
142 100
127 40.3 33.9 50.9
141 11.5 11.4 17.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

Tgt Ion: 59 Resp: 20833
Ion Ratio Lower Upper
59 100
57 1.0 8.3 12.5#

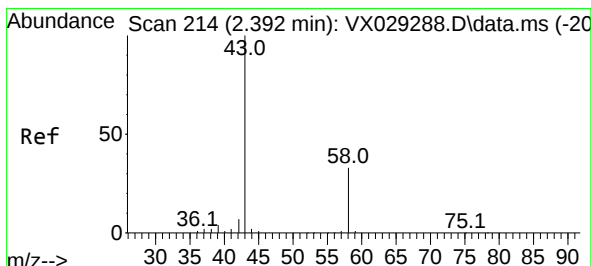
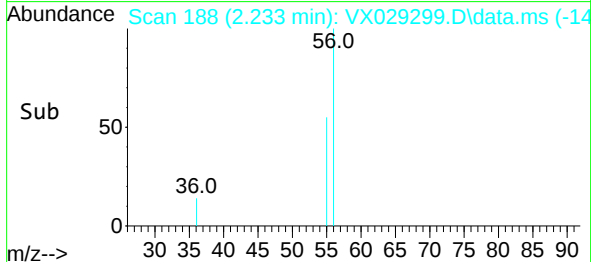
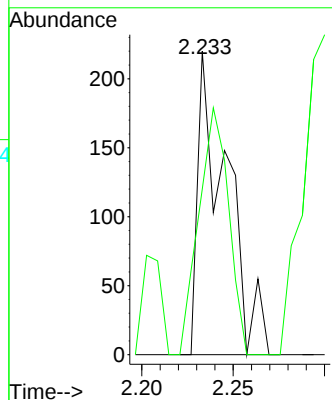
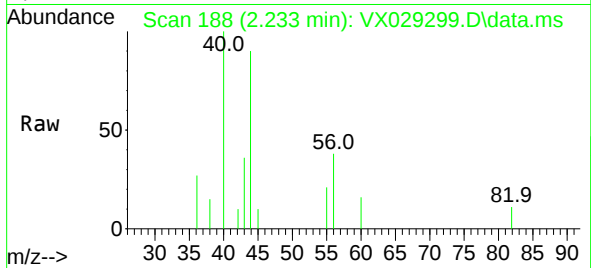




#13
Acrolein
Concen: 0.313 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

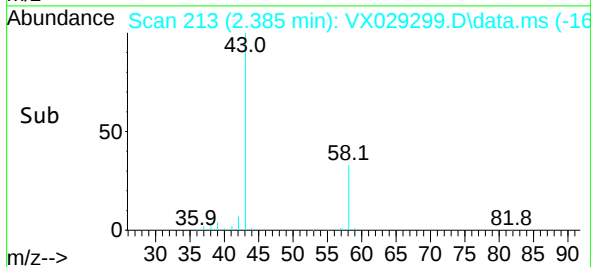
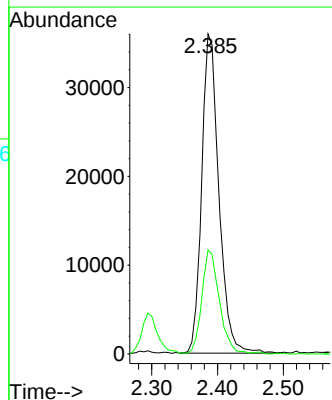
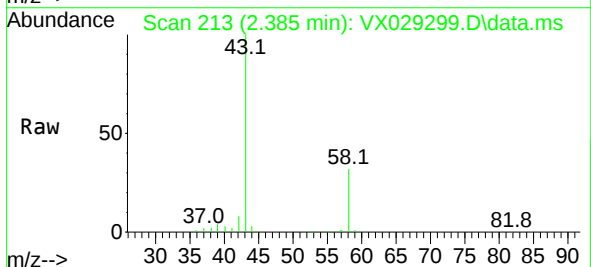
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#03

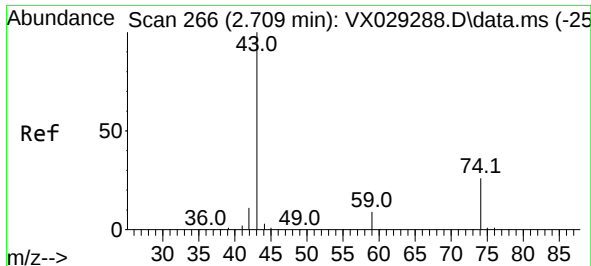
Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 84.6 55.0 82.6#



#16
Acetone
Concen: 19.446 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

Tgt Ion: 43 Resp: 65378
Ion Ratio Lower Upper
43 100
58 32.4 28.8 43.2

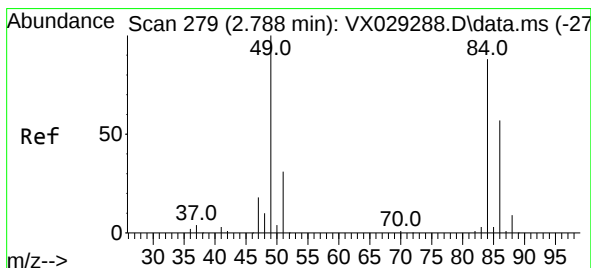
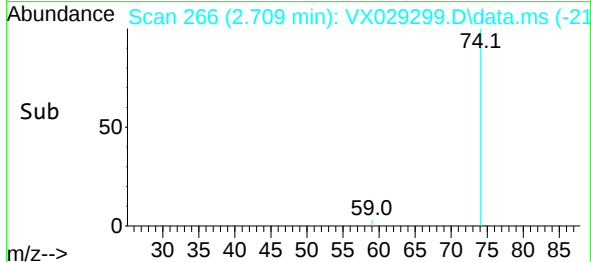
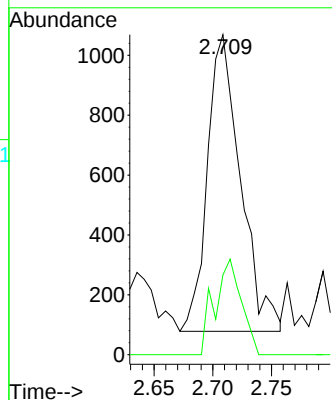
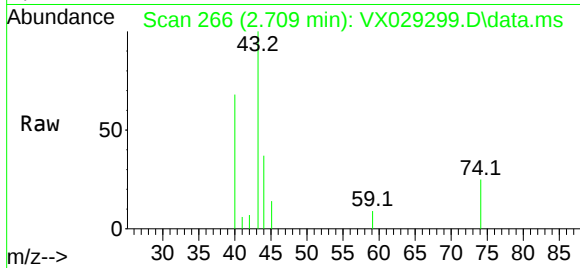




#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 2.709 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

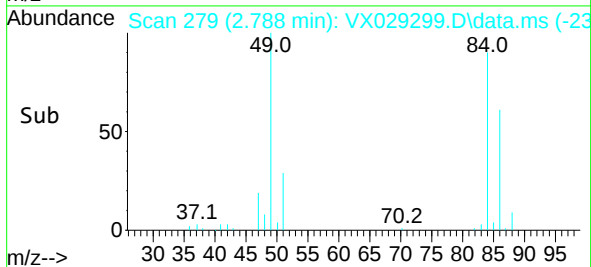
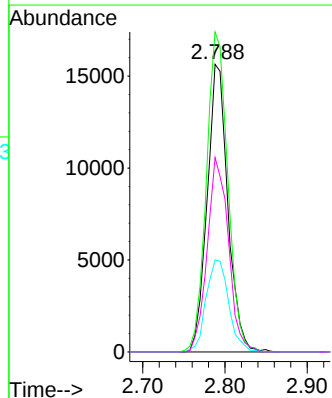
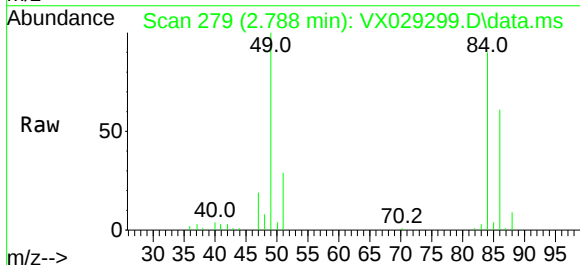
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#03

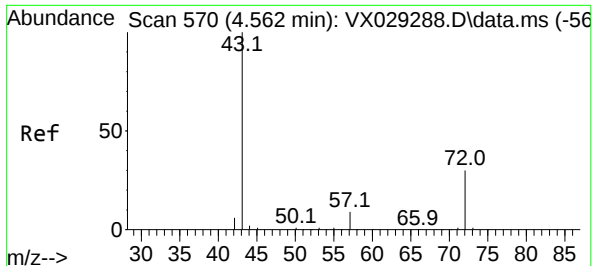
Tgt Ion: 43 Resp: 1946
Ion Ratio Lower Upper
43 100
74 25.8 22.8 34.2



#20
Methylene Chloride
Concen: 3.649 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

Tgt Ion: 84 Resp: 27394
Ion Ratio Lower Upper
84 100
49 111.2 85.5 128.3
51 32.0 26.6 39.8
86 67.5 51.5 77.3





#25

2-Butanone

Concen: 1.855 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029299.D

Acq: 08 Jun 2022 01:30

Instrument :

MSVOA_X

ClientSampleId :

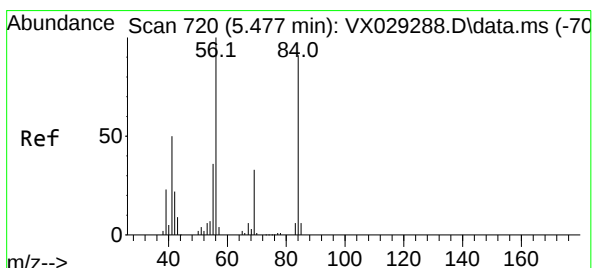
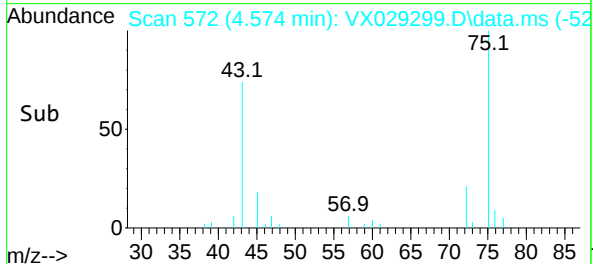
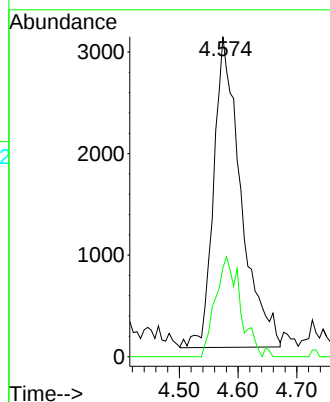
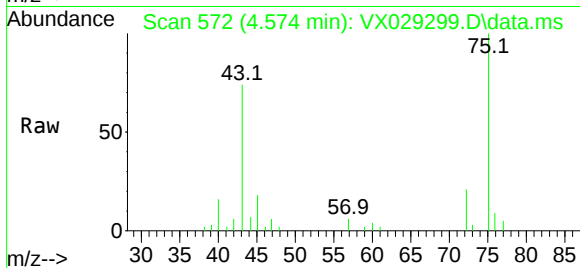
PB145355ZHE#03

Tgt Ion: 43 Resp: 9865

Ion Ratio Lower Upper

43 100

72 28.6 24.4 36.6



#31

Cyclohexane

Concen: 0.720 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX029299.D

Acq: 08 Jun 2022 01:30

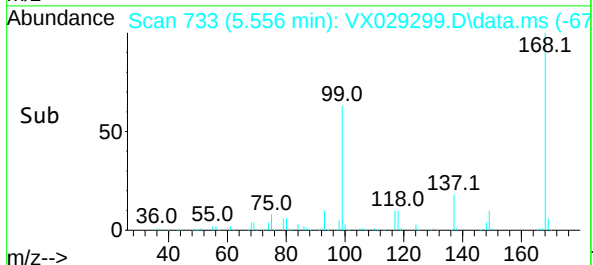
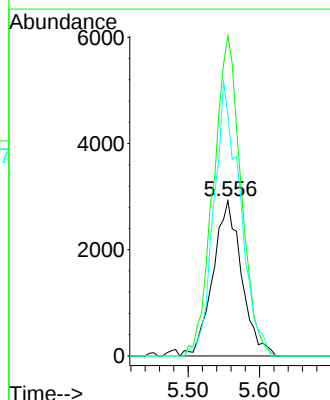
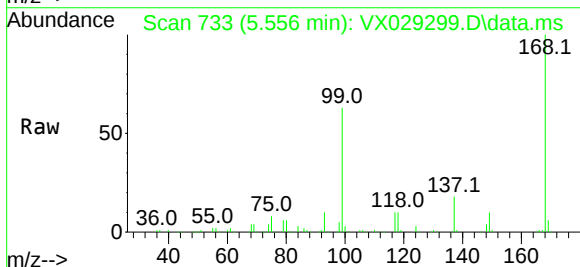
Tgt Ion: 56 Resp: 8113

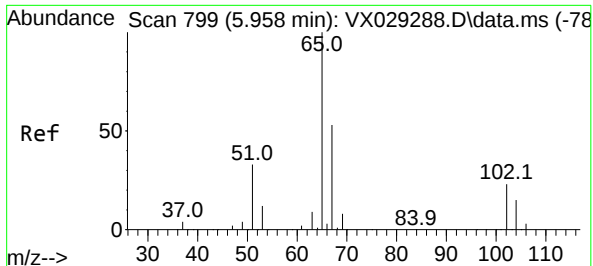
Ion Ratio Lower Upper

56 100

69 206.1 26.7 40.1#

84 155.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 40.015 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX029299.D

Acq: 08 Jun 2022 01:30

Instrument :

MSVOA_X

ClientSampleId :

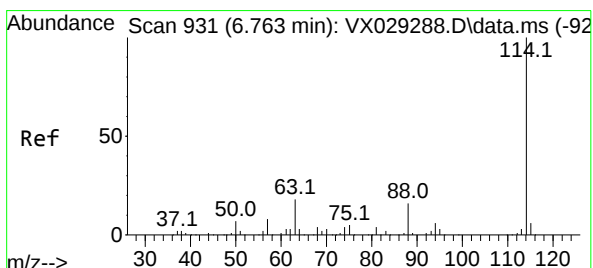
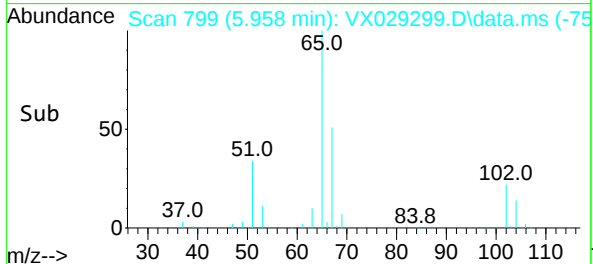
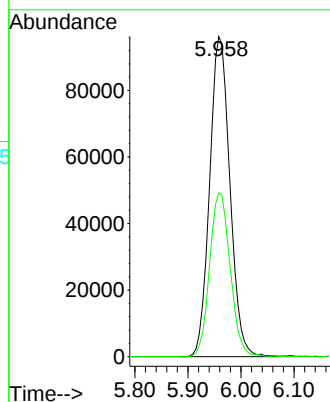
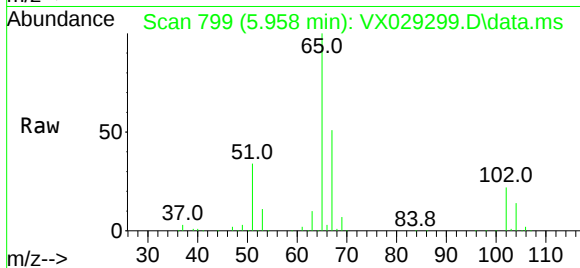
PB145355ZHE#03

Tgt Ion: 65 Resp: 255359

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX029299.D

Acq: 08 Jun 2022 01:30

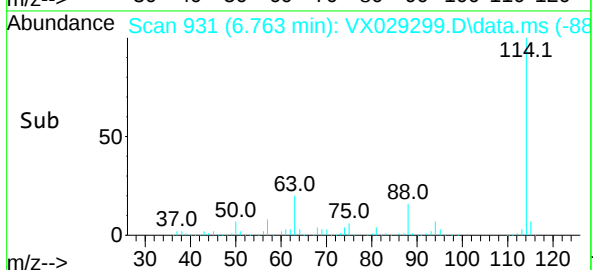
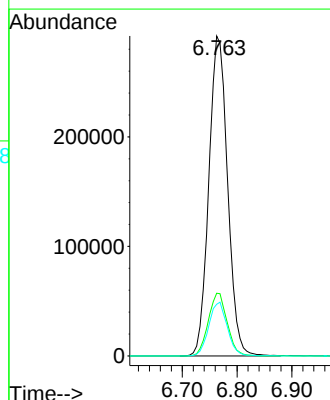
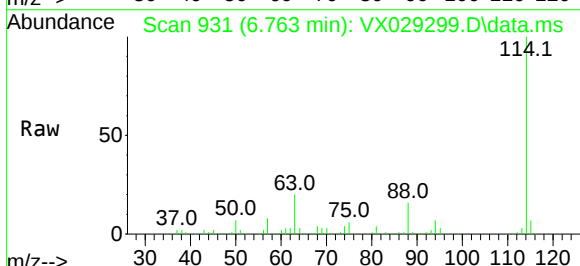
Tgt Ion: 114 Resp: 692914

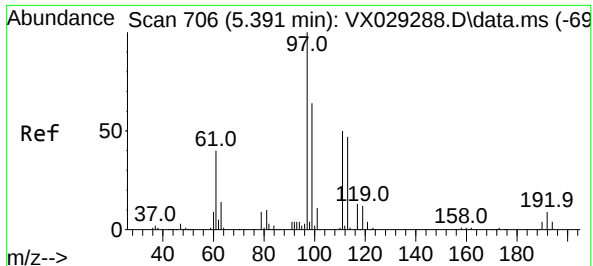
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.8

88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 35.613 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX029299.D

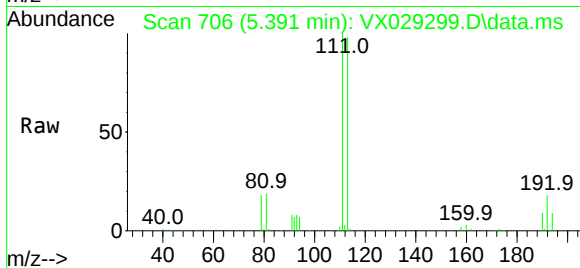
Acq: 08 Jun 2022 01:30

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#03



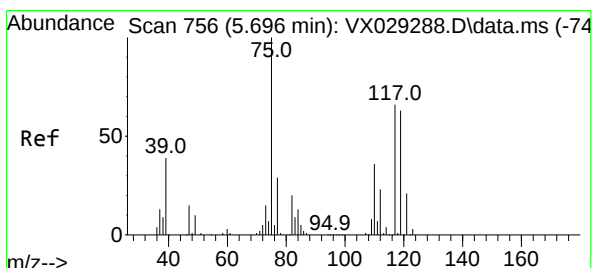
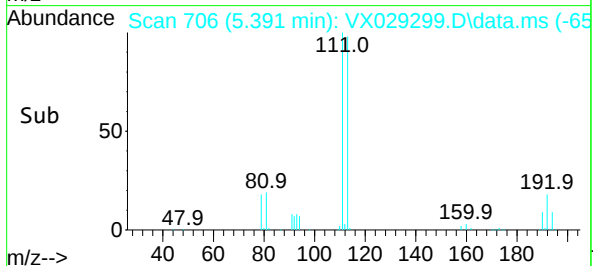
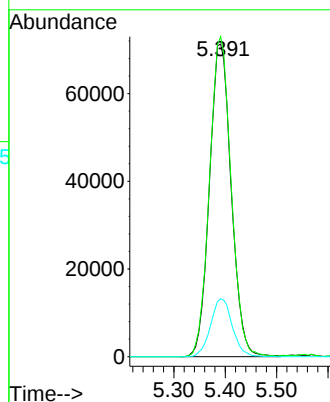
Tgt Ion:113 Resp: 209785

Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

192 18.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 3.459 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.141 min

Lab File: VX029299.D

Acq: 08 Jun 2022 01:30

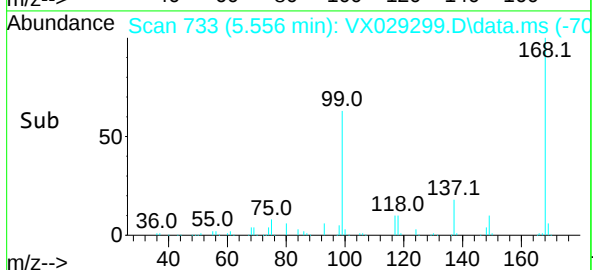
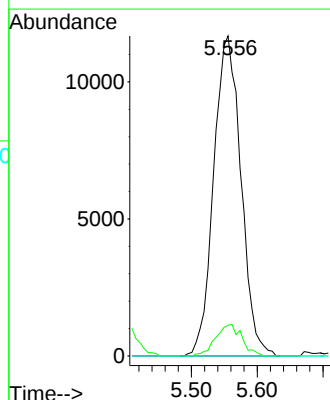
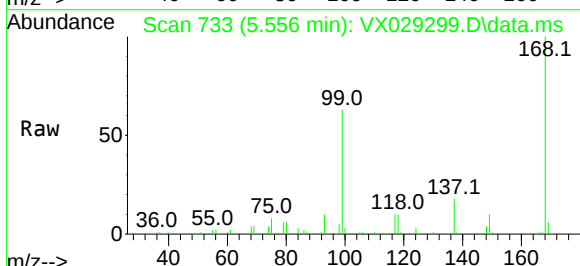
Tgt Ion: 75 Resp: 33660

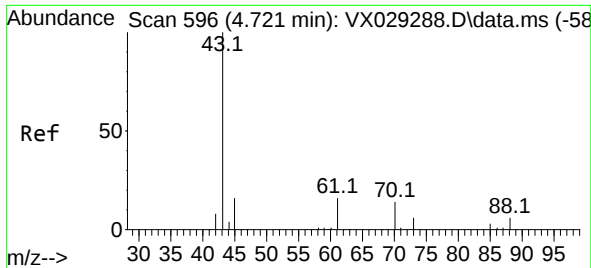
Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.978 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.147 min

Lab File: VX029299.D

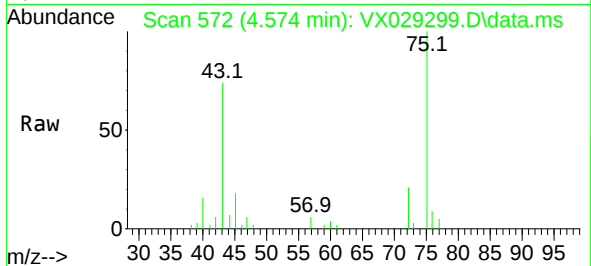
Acq: 08 Jun 2022 01:30

Instrument :

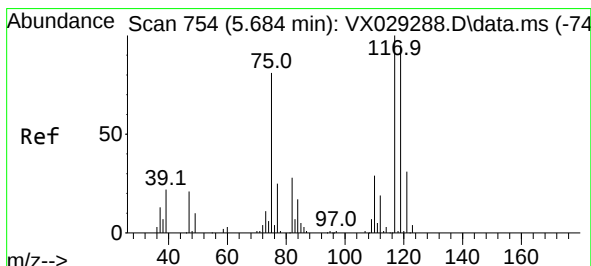
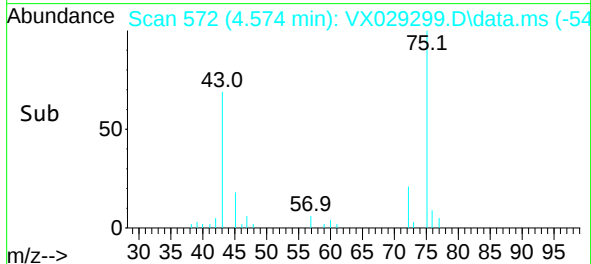
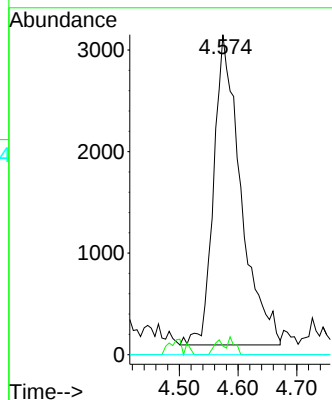
MSVOA_X

ClientSampleId :

PB145355ZHE#03



Tgt Ion: 43	Resp: 9824
Ion Ratio	Lower Upper
43	100
61	1.7 12.6 19.0#
70	0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 4.367 ug/l

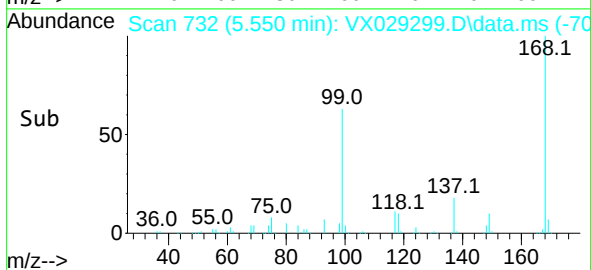
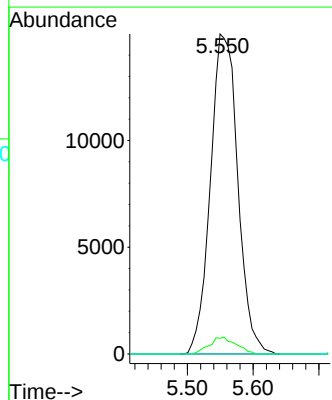
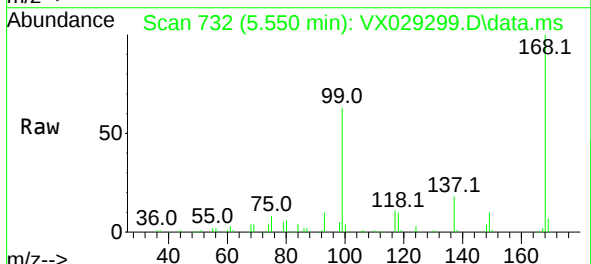
RT: 5.550 min Scan# 732

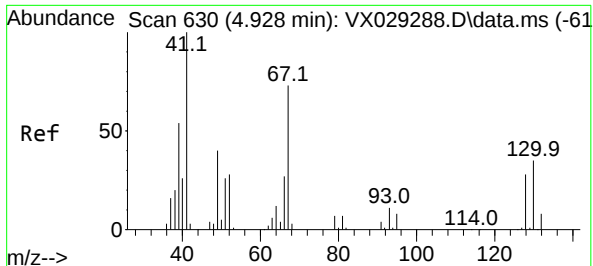
Delta R.T. -0.135 min

Lab File: VX029299.D

Acq: 08 Jun 2022 01:30

Tgt Ion: 117	Resp: 43436
Ion Ratio	Lower Upper
117	100
119	4.9 77.3 115.9#
121	0.0 24.2 36.2#

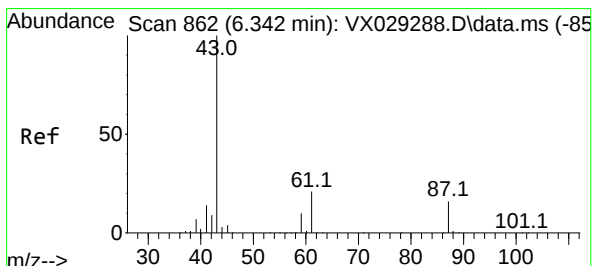
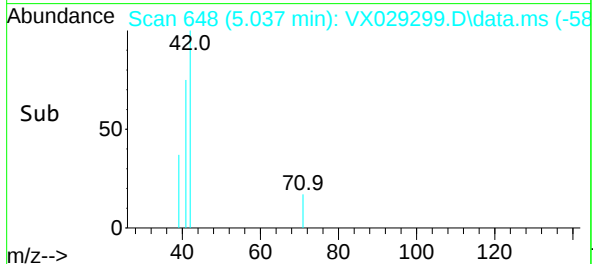
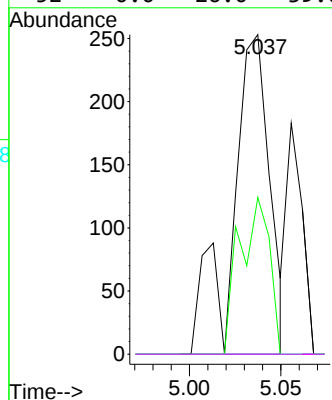
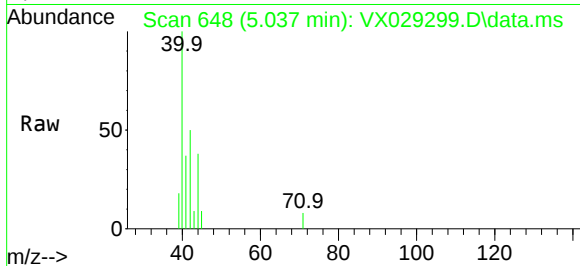




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.037 min Scan# 64
Delta R.T. 0.109 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

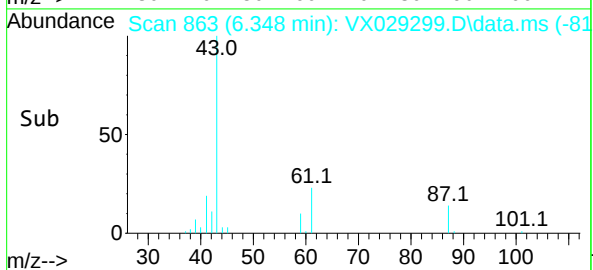
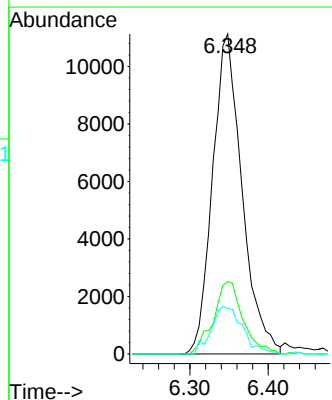
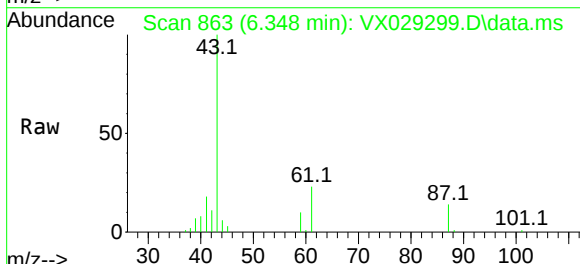
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#03

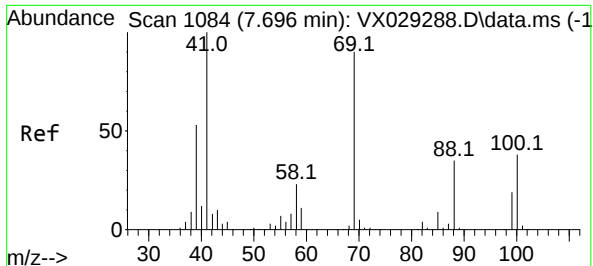
Tgt Ion: 41	Resp:	362
Ion	Ratio	Lower Upper
41	100	
39	39.2	43.0 64.4#
67	0.0	70.2 105.4#
52	0.0	26.0 39.0#



#43
Isopropyl Acetate
Concen: 1.924 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

Tgt Ion: 43	Resp:	29037
Ion	Ratio	Lower Upper
43	100	
61	22.8	18.5 27.7
87	15.8	13.0 19.6





#48

Methyl methacrylate

Concen: 1.093 ug/l

RT: 7.610 min Scan# 1102

Delta R.T. -0.086 min

Lab File: VX029299.D

Acq: 08 Jun 2022 01:30

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#03

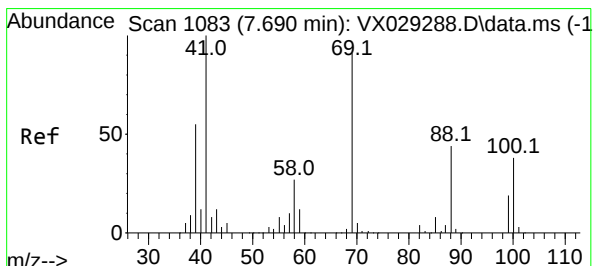
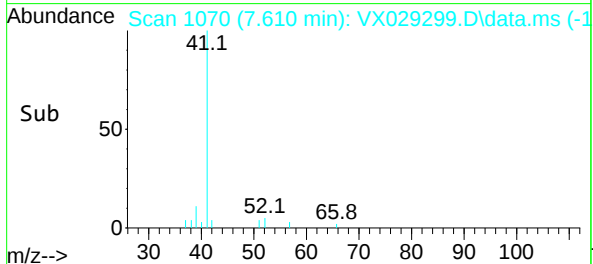
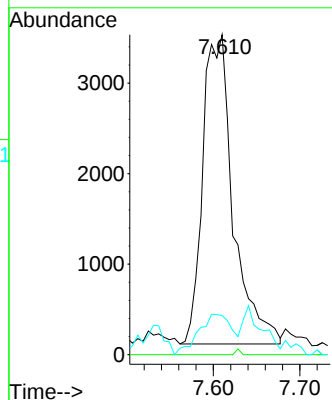
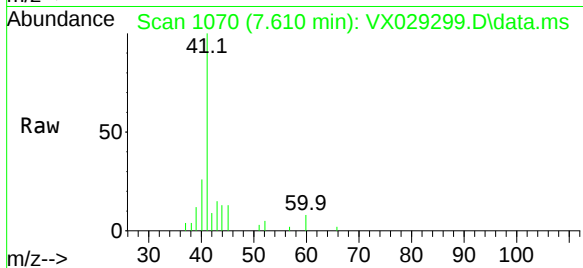
Tgt Ion: 41 Resp: 8293

Ion Ratio Lower Upper

41 100

69 0.3 82.5 123.7#

39 0.0 43.8 65.8#



#49

1,4-Dioxane

Concen: 1.690 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.115 min

Lab File: VX029299.D

Acq: 08 Jun 2022 01:30

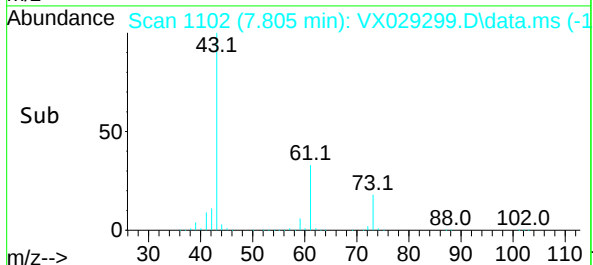
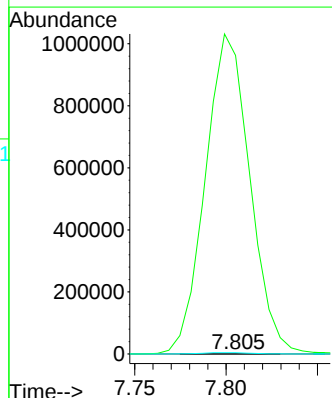
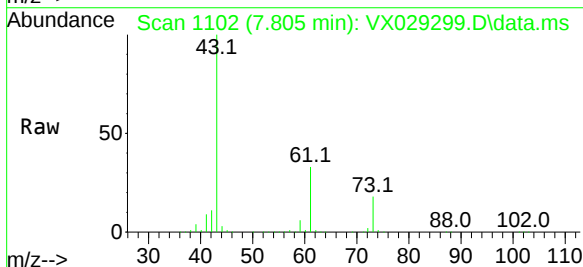
Tgt Ion: 88 Resp: 330

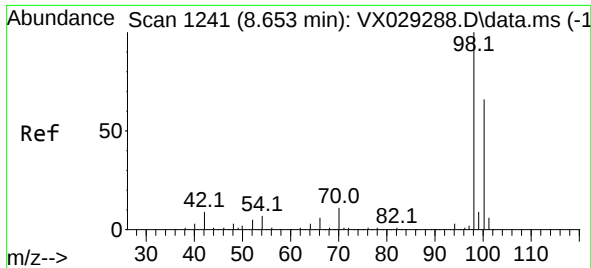
Ion Ratio Lower Upper

88 100

43 534783.0 21.9 32.9#

58 2402.1 53.7 80.5#

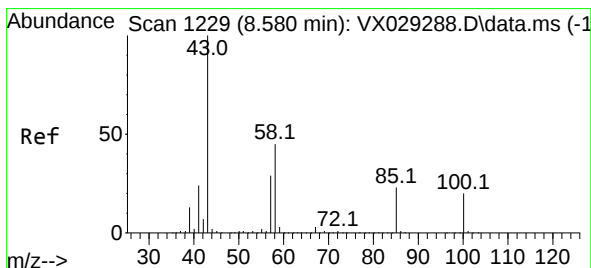
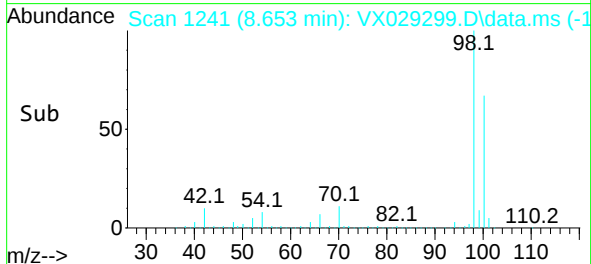
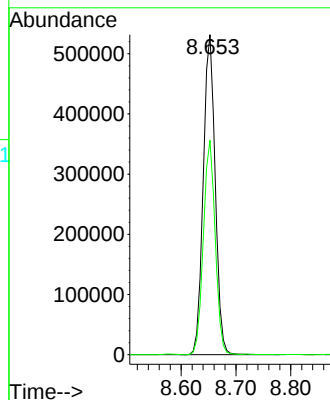
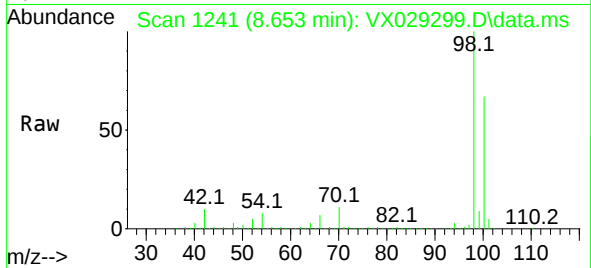




#50
Toluene-d8
Concen: 38.568 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

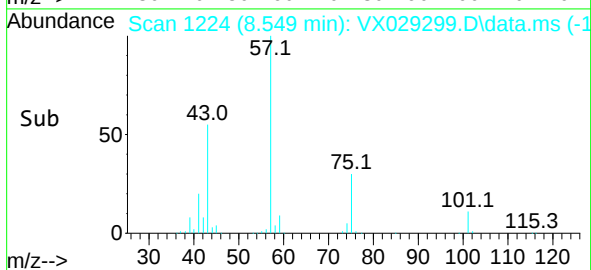
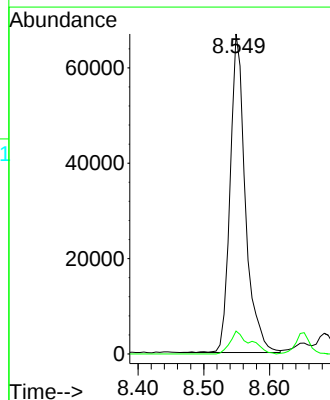
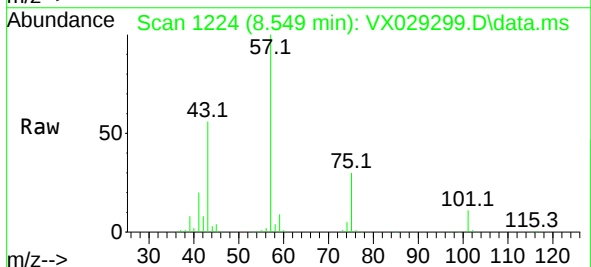
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#03

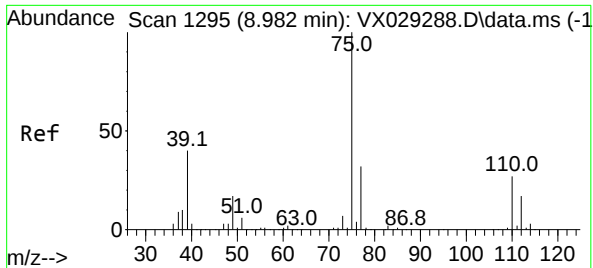
Tgt Ion: 98 Resp: 803517
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 10.913 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

Tgt Ion: 43 Resp: 107773
Ion Ratio Lower Upper
43 100
58 9.5 36.1 54.1#





#53

t-1,3-Dichloropropene

Concen: 1.329 ug/l

RT: 8.982 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX029299.D

Acq: 08 Jun 2022 01:30

Instrument :

MSVOA_X

ClientSampleId :

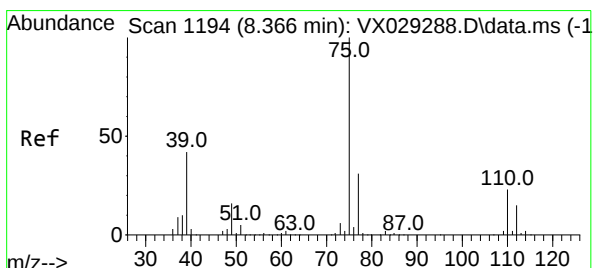
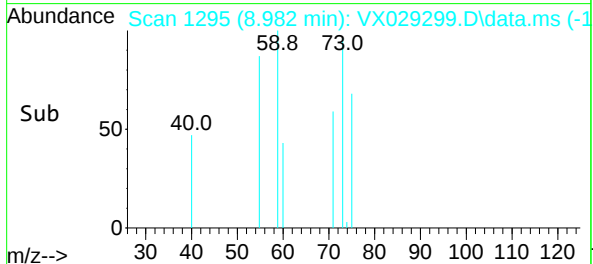
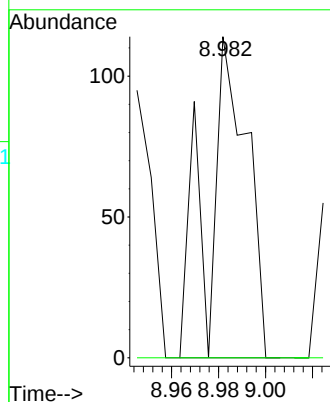
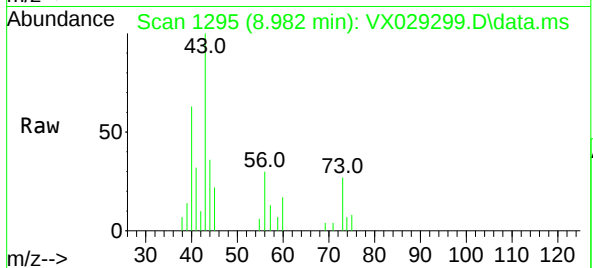
PB145355ZHE#03

Tgt Ion: 75 Resp: 133

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 4.966 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX029299.D

Acq: 08 Jun 2022 01:30

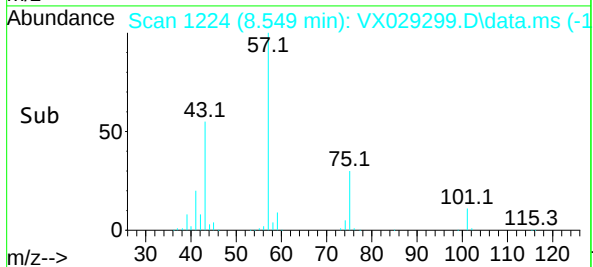
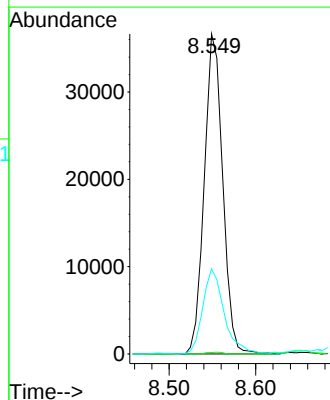
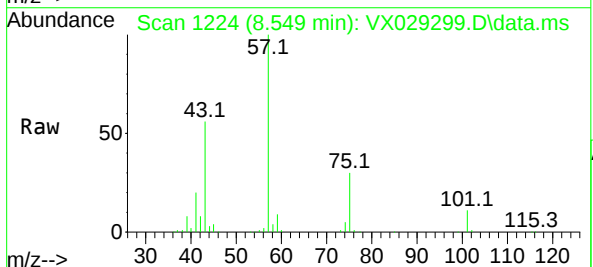
Tgt Ion: 75 Resp: 54289

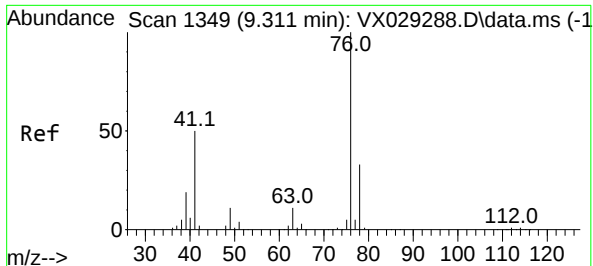
Ion Ratio Lower Upper

75 100

77 0.4 24.8 37.2#

39 26.6 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 2.750 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.170 min

Lab File: VX029299.D

Acq: 08 Jun 2022 01:30

Instrument :

MSVOA_X

ClientSampleId :

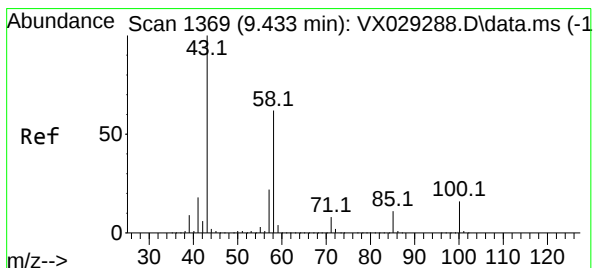
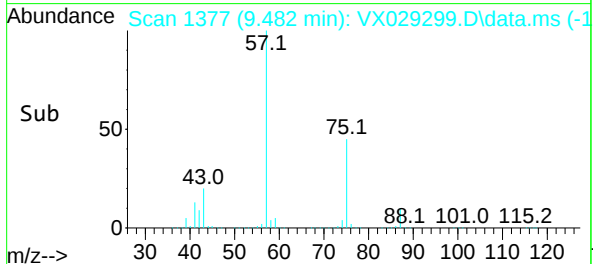
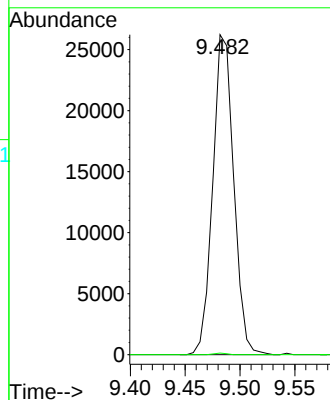
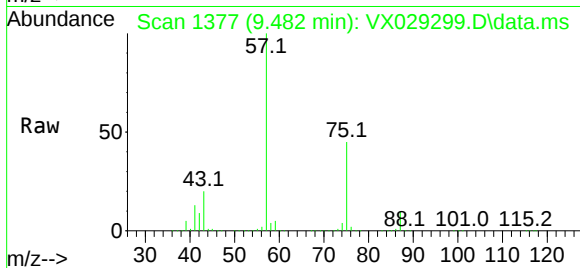
PB145355ZHE#03

Tgt Ion: 76 Resp: 34870

Ion Ratio Lower Upper

76 100

78 0.3 25.8 38.8#



#59

2-Hexanone

Concen: 55.763 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.048 min

Lab File: VX029299.D

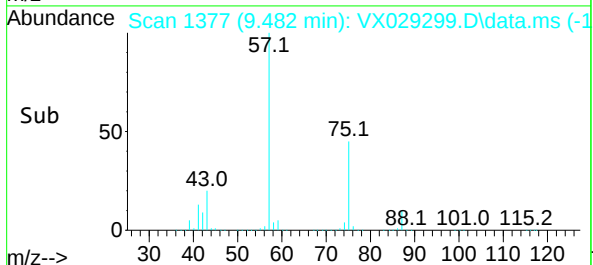
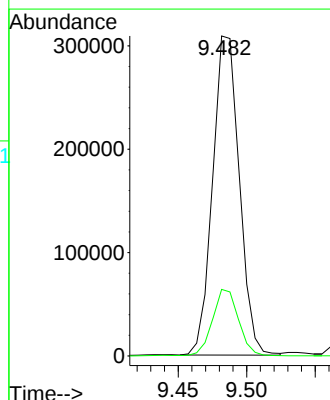
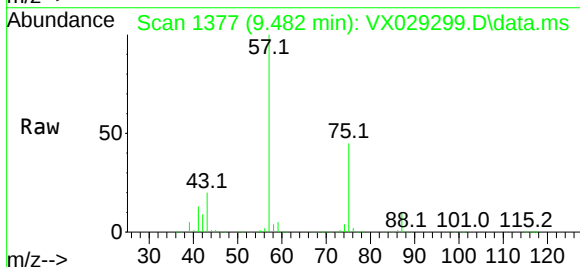
Acq: 08 Jun 2022 01:30

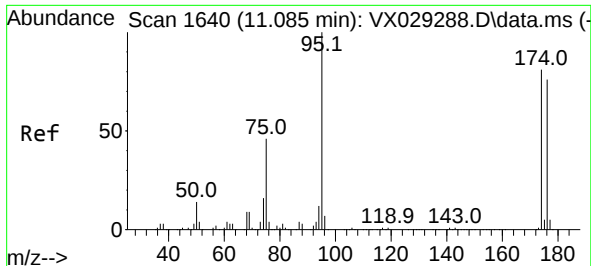
Tgt Ion: 43 Resp: 418714

Ion Ratio Lower Upper

43 100

58 20.3 31.9 95.7#

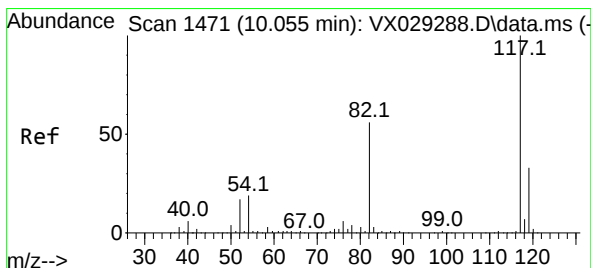
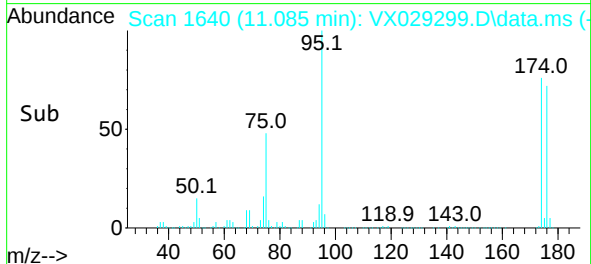
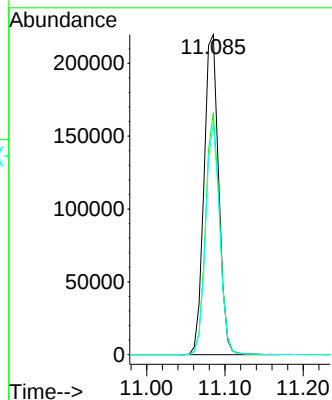
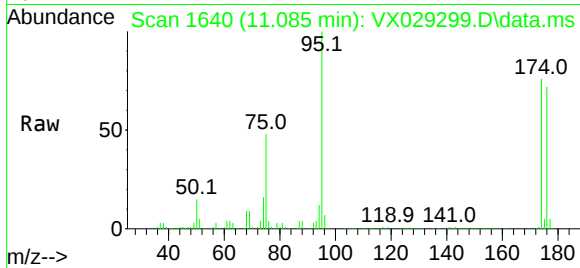




#62
4-Bromofluorobenzene
Concen: 34.978 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

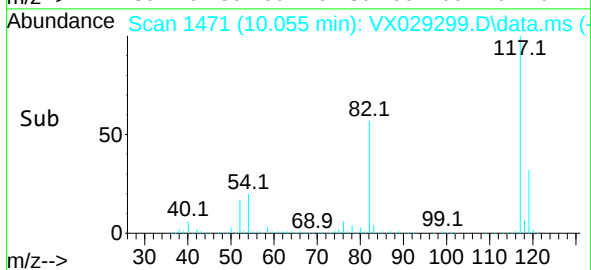
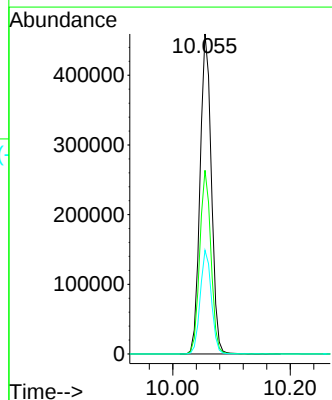
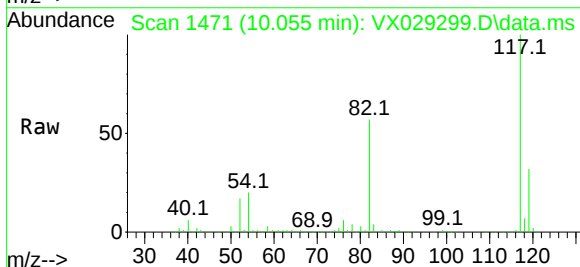
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#03

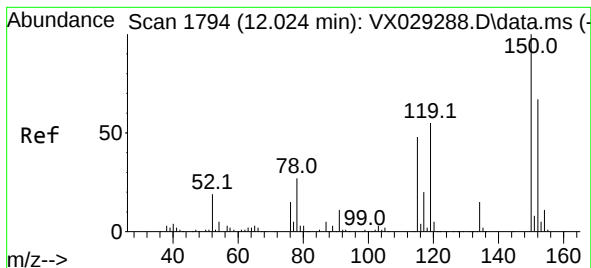
Tgt Ion: 95 Resp: 285174
Ion Ratio Lower Upper
95 100
174 72.8 0.0 163.0
176 69.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029299.D
Acq: 08 Jun 2022 01:30

Tgt Ion: 117 Resp: 614197
Ion Ratio Lower Upper
117 100
82 57.4 41.8 62.8
119 32.4 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX029299.D

Acq: 08 Jun 2022 01:30

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#03

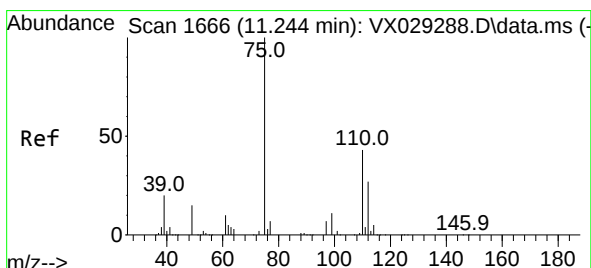
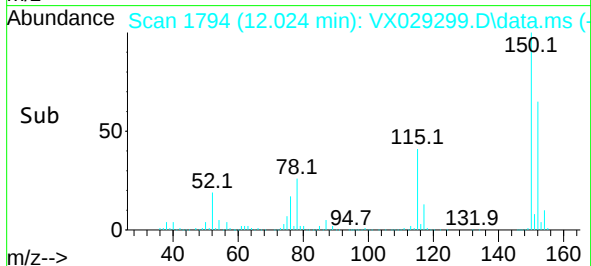
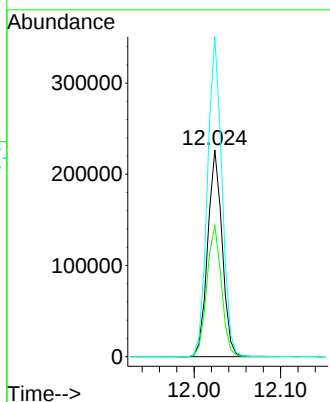
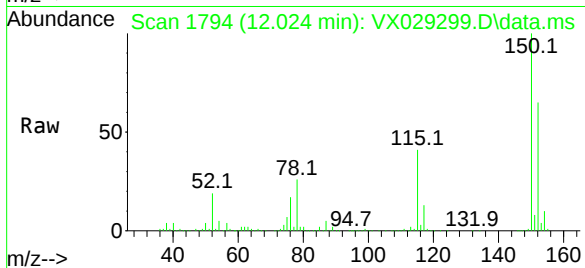
Tgt Ion:152 Resp: 262672

Ion Ratio Lower Upper

152 100

115 64.1 37.5 112.7

150 155.9 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 22.784 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX029299.D

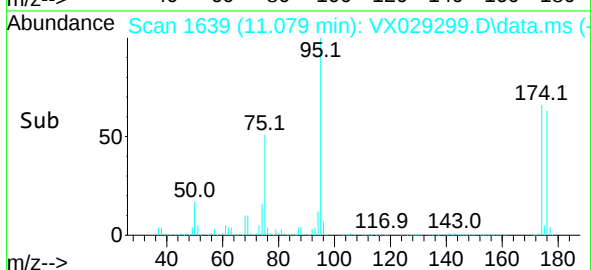
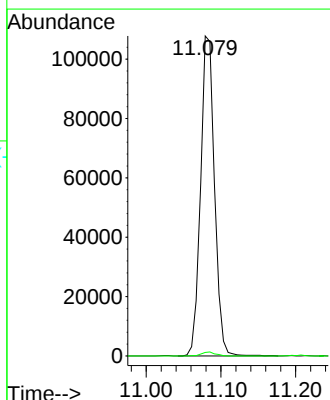
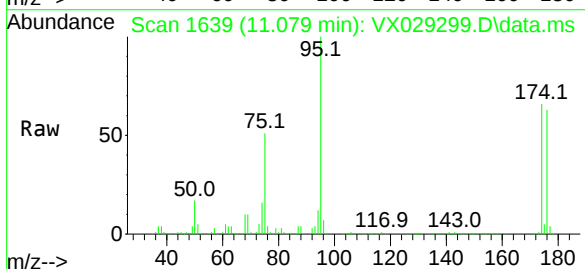
Acq: 08 Jun 2022 01:30

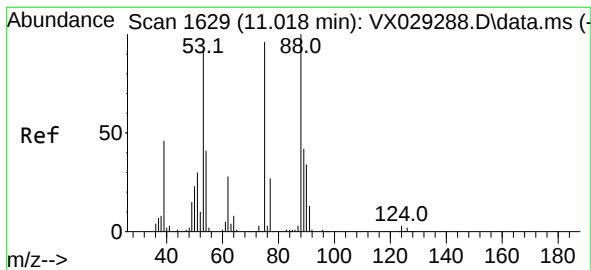
Tgt Ion: 75 Resp: 139786

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.938 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029299.D
 Acq: 08 Jun 2022 01:30

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#03

Tgt Ion: 75 Resp: 139786
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

