

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
 Data File : VX029306.D
 Acq On : 08 Jun 2022 04:13
 Operator : JC/MD
 Sample : PB145355ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#10

Quant Time: Jun 08 05:17:50 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)

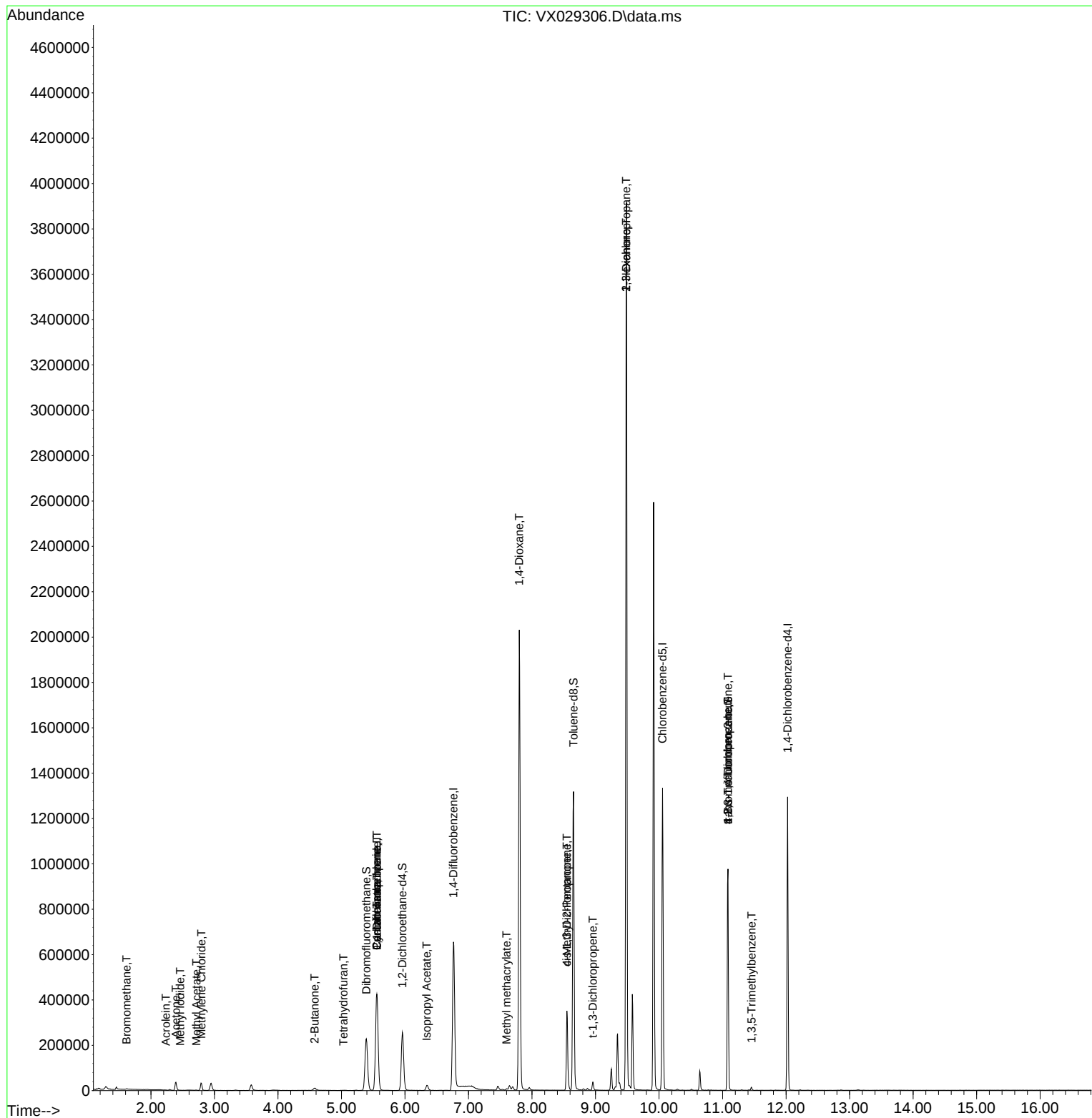
Internal Standards						
1) Pentafluorobenzene	5.555	168	396924	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	671925	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	596462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	254082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	249164	40.920	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	81.840%		
35) Dibromofluoromethane	5.391	113	203302	35.590	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	71.180%		
50) Toluene-d8	8.652	98	786068	38.909	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	77.820%		
62) 4-Bromofluorobenzene	11.085	95	275755	34.879	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	69.760%		
Target Compounds					Qvalue	
5) Bromomethane	1.617	94	1127	0.301	ug/l	89
6) Chloroethane	1.666	64	441	Below Cal	#	48
10) Methyl Iodide	2.458	142	467	1.295	ug/l	# 89
11) Tert butyl alcohol	2.946	59	18361	Below Cal	#	76
13) Acrolein	2.233	56	159	0.217	ug/l	# 45
16) Acetone	2.391	43	41760	13.005	ug/l	93
18) Methyl Acetate	2.715	43	2025	0.238	ug/l	90
20) Methylene Chloride	2.794	84	15500	2.162	ug/l	97
25) 2-Butanone	4.574	43	5242	1.032	ug/l	97
29) Tetrahydrofuran	5.031	42	867	0.262	ug/l	# 40
31) Cyclohexane	5.555	56	7828	0.727	ug/l	# 1
36) 1,1-Dichloropropene	5.555	75	32218	3.414	ug/l	# 50
38) Carbon Tetrachloride	5.555	117	42352	4.391	ug/l	# 17
41) Methacrylonitrile	5.001	41	21	Below Cal	#	18
43) Isopropyl Acetate	6.342	43	30991	2.118	ug/l	97
48) Methyl methacrylate	7.598	41	9106	1.237	ug/l	# 7
49) 1,4-Dioxane	7.799	88	372	1.965	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	114715	11.978	ug/l	# 45
53) t-1,3-Dichloropropene	8.957	75	104	1.326	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	58034	5.474	ug/l	# 66
57) 1,3-Dichloropropane	9.482	76	36753	2.989	ug/l	# 43
59) 2-Hexanone	9.482	43	447379	61.441	ug/l	# 44
76) 1,2,3-Trichloropropane	11.085	75	136381	22.981	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.457	105	6236	0.367	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.085	75	136381	70.522	ug/l	# 15

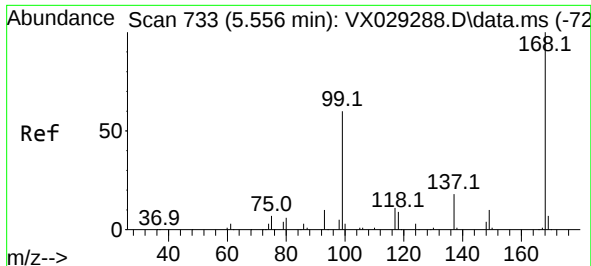
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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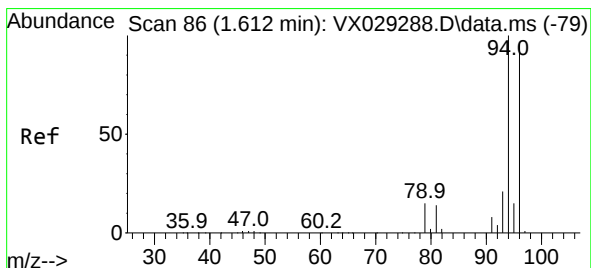
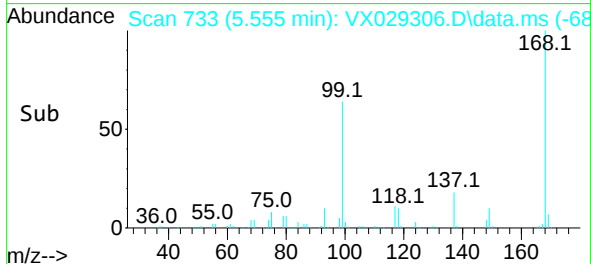
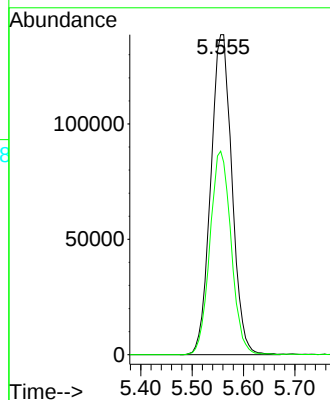
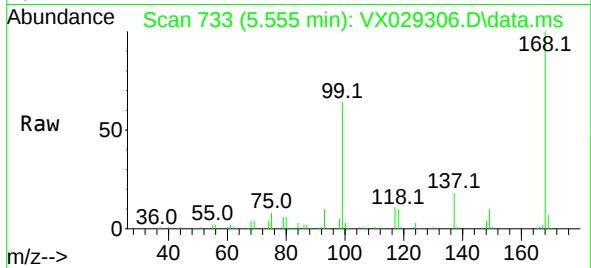




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

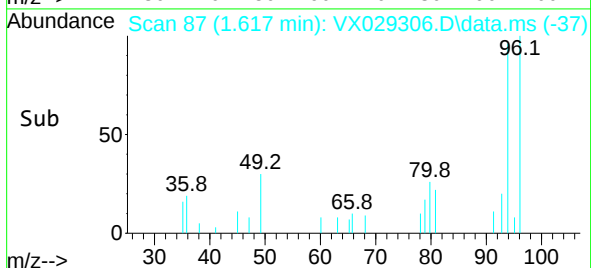
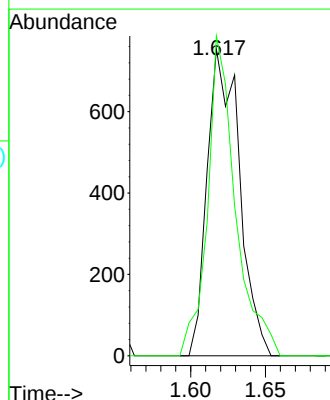
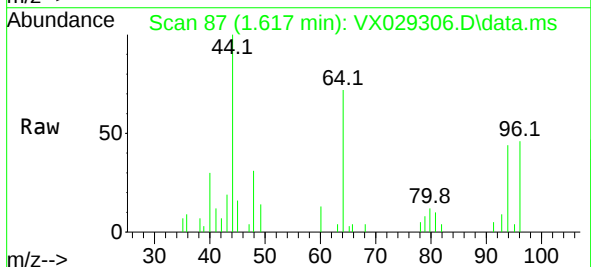
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#10

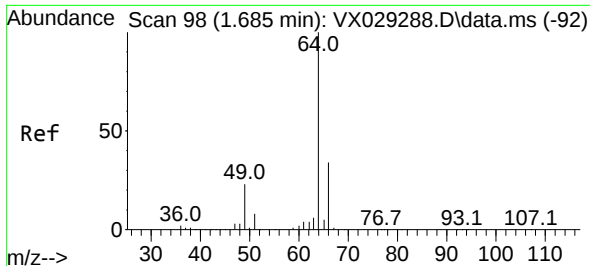
Tgt Ion:168 Resp: 396924
Ion Ratio Lower Upper
168 100
99 63.6 41.7 62.5#



#5
Bromomethane
Concen: 0.301 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.005 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

Tgt Ion: 94 Resp: 1127
Ion Ratio Lower Upper
94 100
96 104.2 75.3 112.9

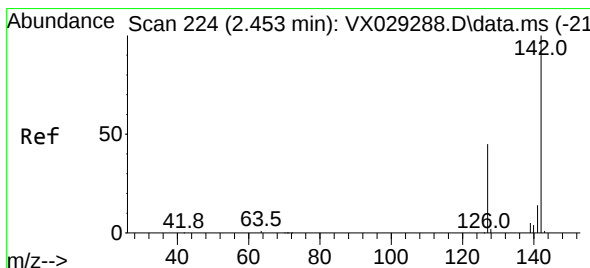
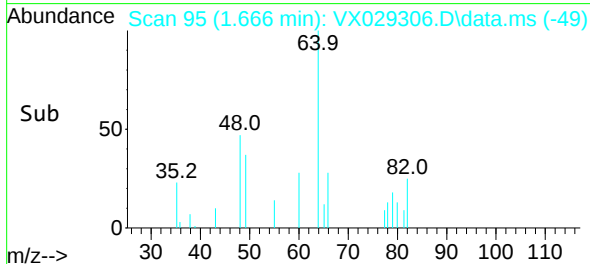
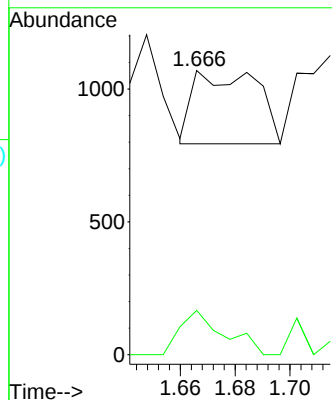
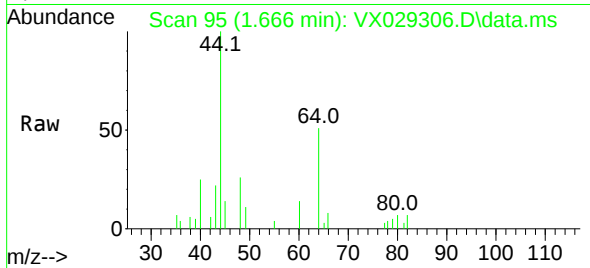




#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

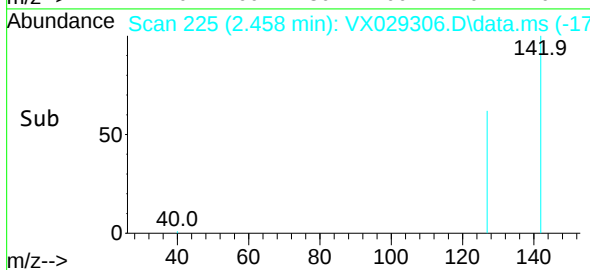
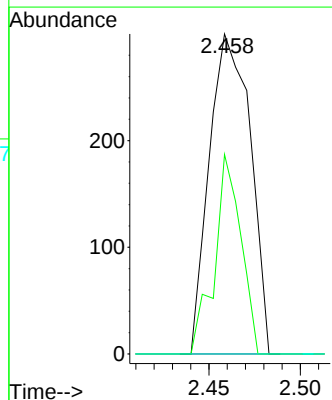
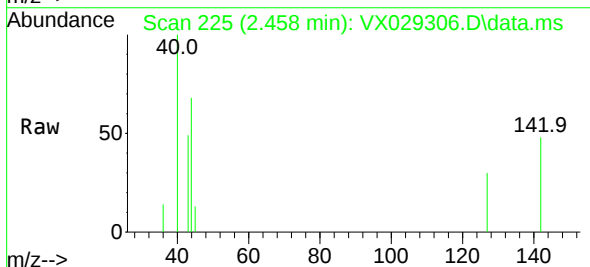
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#10

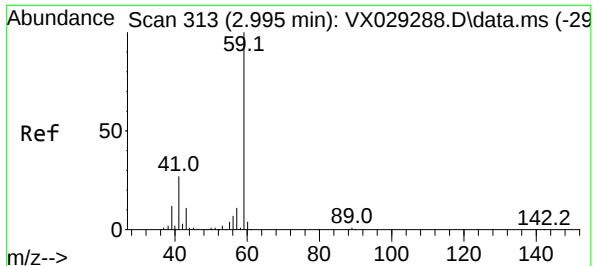
Tgt Ion: 64 Resp: 441
Ion Ratio Lower Upper
64 100
66 60.5 25.3 37.9#



#10
Methyl Iodide
Concen: 1.295 ug/l
RT: 2.458 min Scan# 225
Delta R.T. 0.005 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

Tgt Ion: 142 Resp: 467
Ion Ratio Lower Upper
142 100
127 40.3 33.9 50.9
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 30

Delta R.T. -0.049 min

Lab File: VX029306.D

Acq: 08 Jun 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

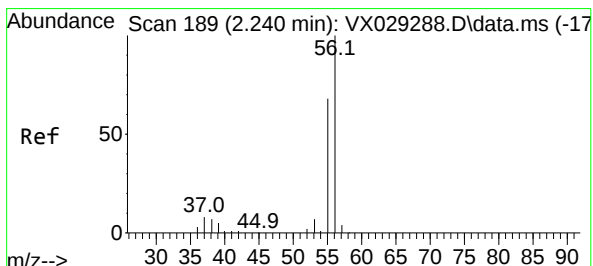
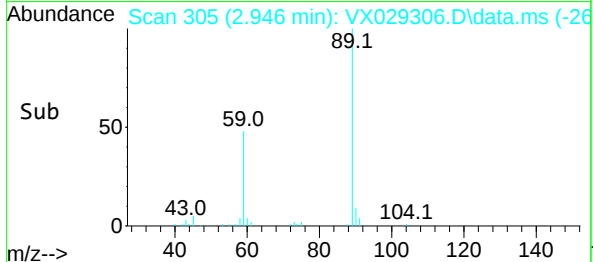
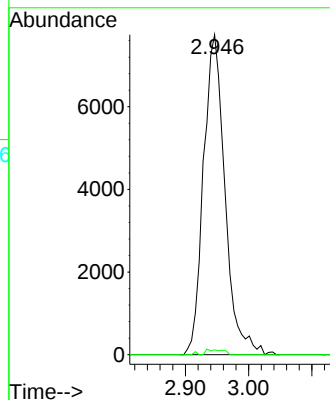
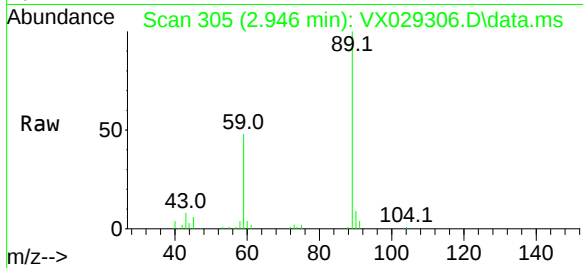
PB145355ZHE#10

Tgt Ion: 59 Resp: 18361

Ion Ratio Lower Upper

59 100

57 1.3 8.3 12.5#



#13

Acrolein

Concen: 0.217 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.007 min

Lab File: VX029306.D

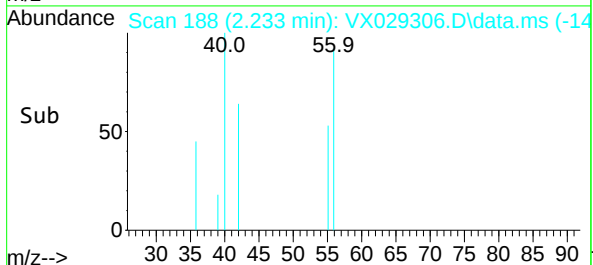
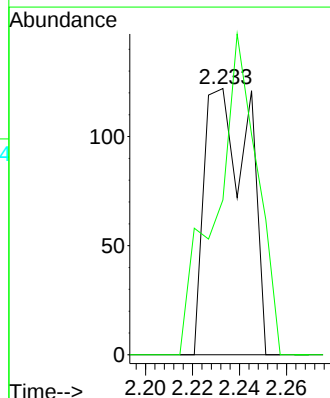
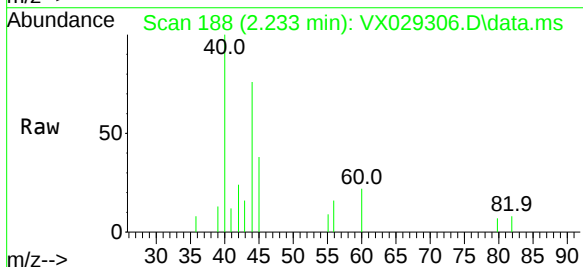
Acq: 08 Jun 2022 04:13

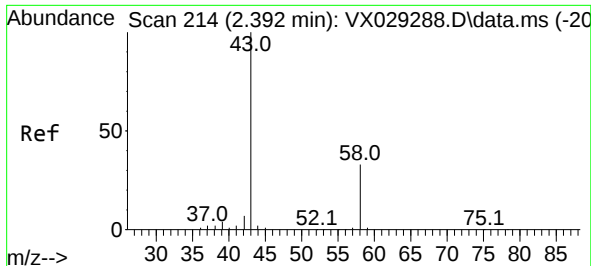
Tgt Ion: 56 Resp: 159

Ion Ratio Lower Upper

56 100

55 113.2 55.0 82.6#

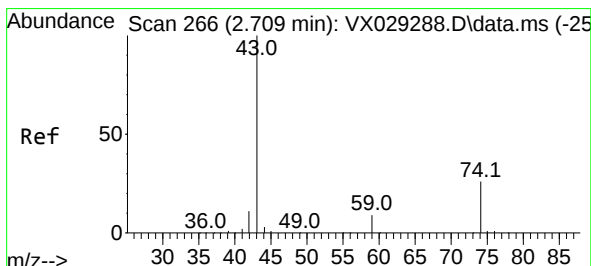
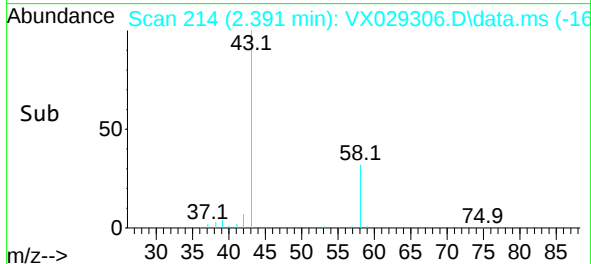
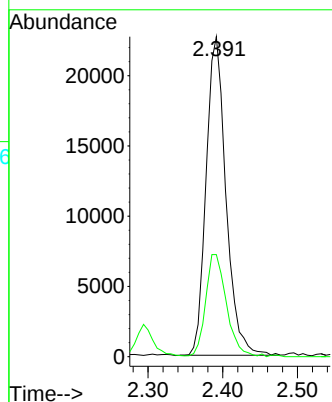
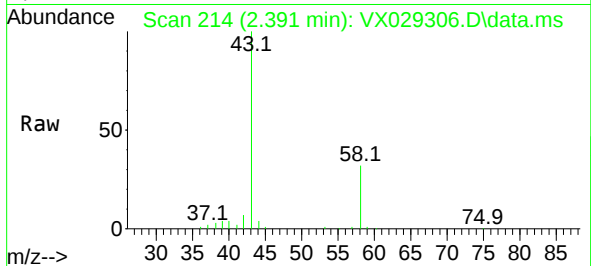




#16
Acetone
Concen: 13.005 ug/l
RT: 2.391 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

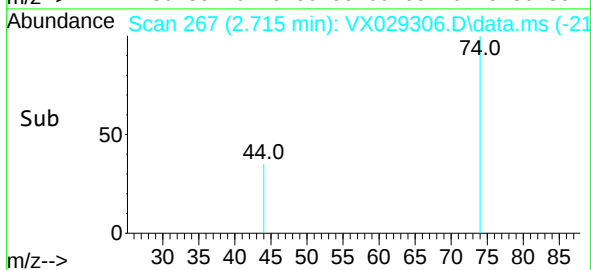
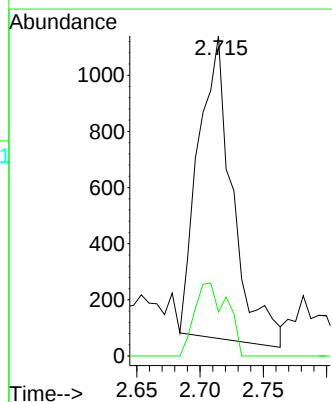
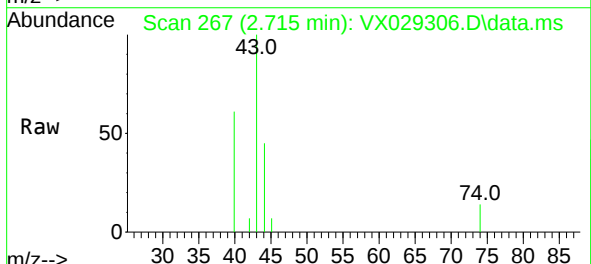
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#10

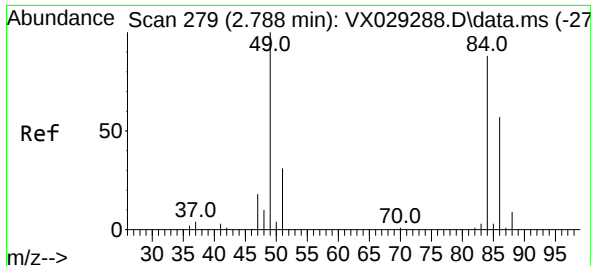
Tgt Ion: 43 Resp: 41760
Ion Ratio Lower Upper
43 100
58 31.8 28.8 43.2



#18
Methyl Acetate
Concen: 0.238 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

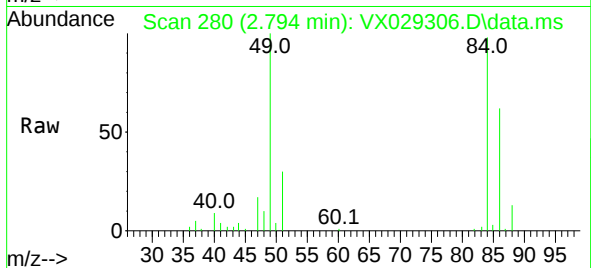
Tgt Ion: 43 Resp: 2025
Ion Ratio Lower Upper
43 100
74 23.0 22.8 34.2



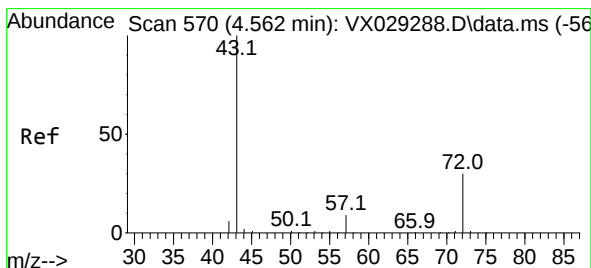
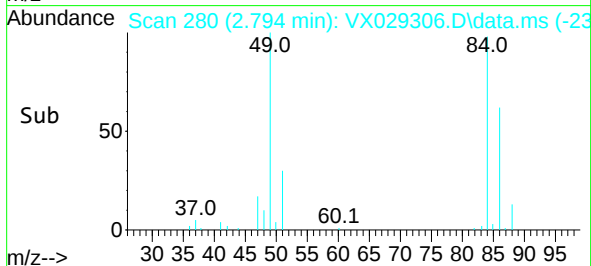
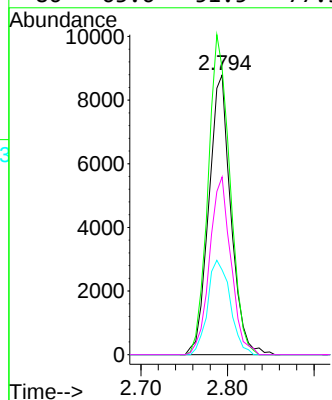


#20
Methylene Chloride
Concen: 2.162 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#10

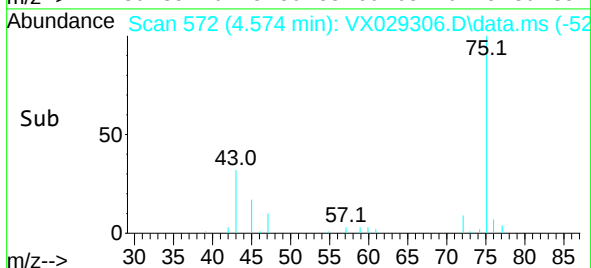
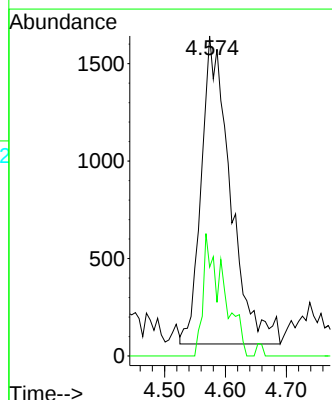
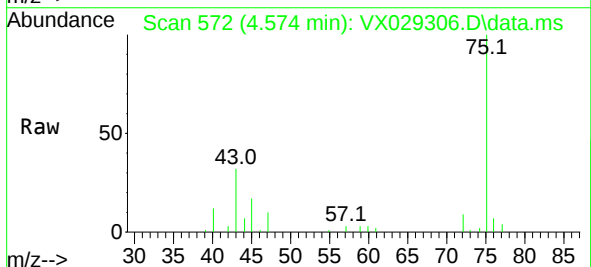


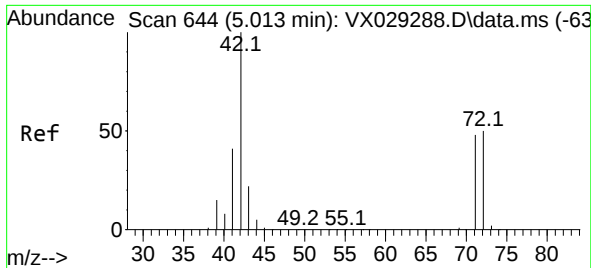
Tgt Ion: 84	Resp: 15500
Ion Ratio	Lower Upper
84 100	
49 102.4	85.5 128.3
51 30.3	26.6 39.8
86 63.6	51.5 77.3



#25
2-Butanone
Concen: 1.032 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

Tgt Ion: 43	Resp: 5242		
Ion Ratio	Lower	Upper	
43 100			
72 28.9	24.4	36.6	

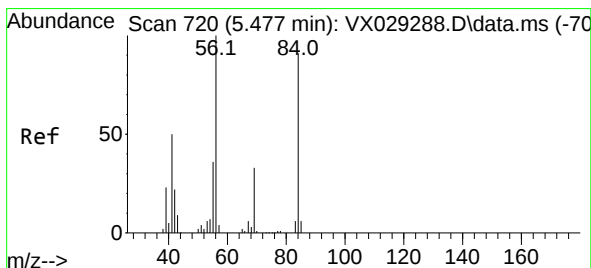
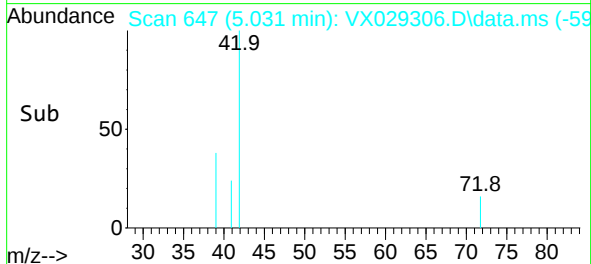
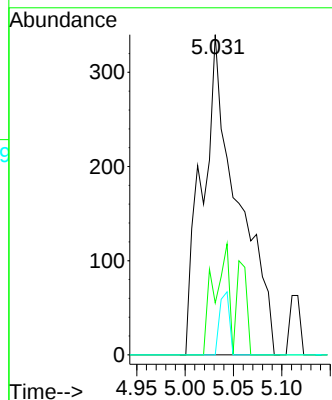
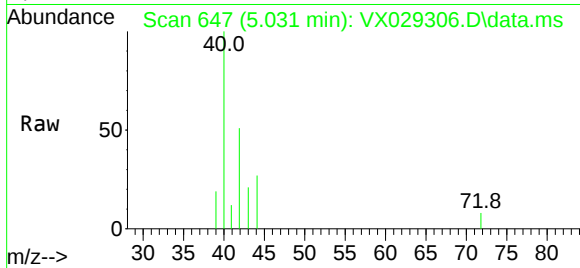




#29
Tetrahydrofuran
Concen: 0.262 ug/l
RT: 5.031 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

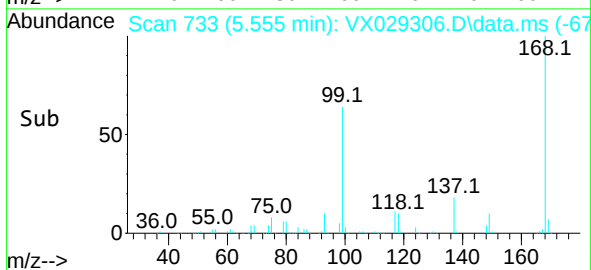
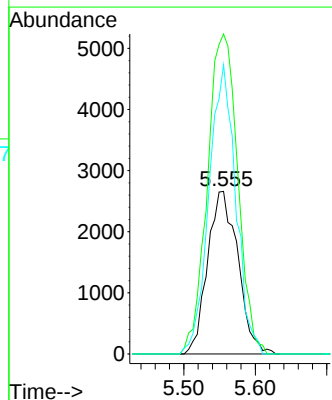
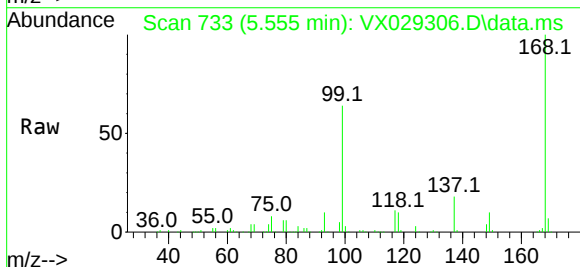
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#10

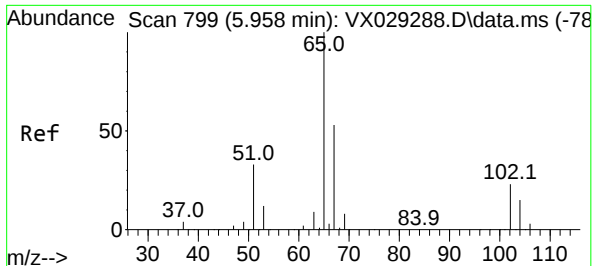
Tgt Ion:	42	Resp:	867
Ion	Ratio	Lower	Upper
42	100		
72	14.6	44.1	66.1#
71	5.3	40.5	60.7#



#31
Cyclohexane
Concen: 0.727 ug/l
RT: 5.555 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

Tgt Ion:	56	Resp:	7828
Ion	Ratio	Lower	Upper
56	100		
69	196.8	26.7	40.1#
84	177.8	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 40.920 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX029306.D

Acq: 08 Jun 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

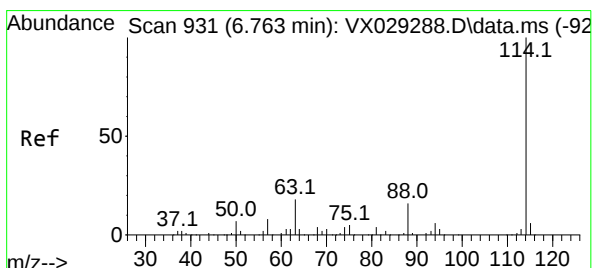
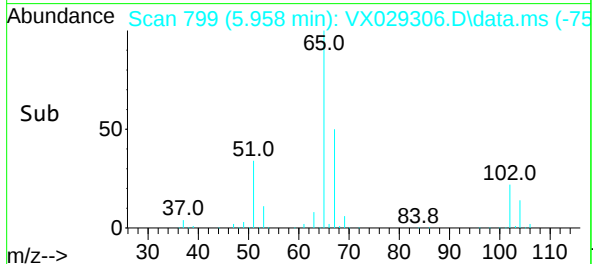
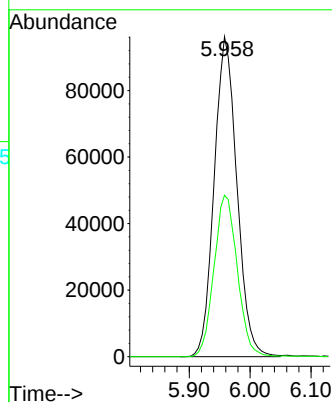
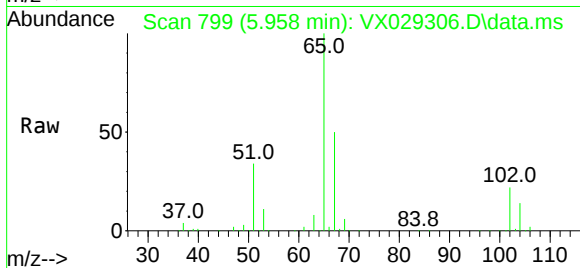
PB145355ZHE#10

Tgt Ion: 65 Resp: 249164

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: VX029306.D

Acq: 08 Jun 2022 04:13

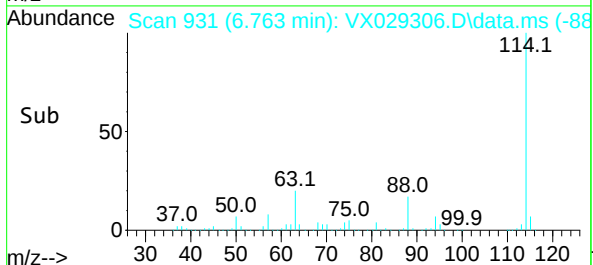
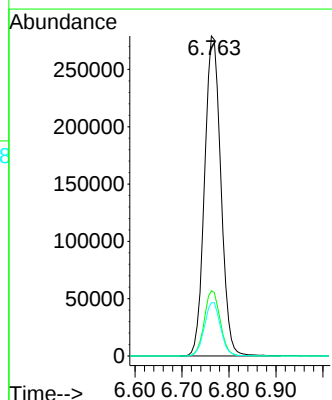
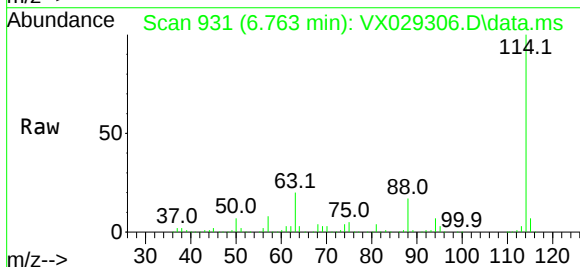
Tgt Ion: 114 Resp: 671925

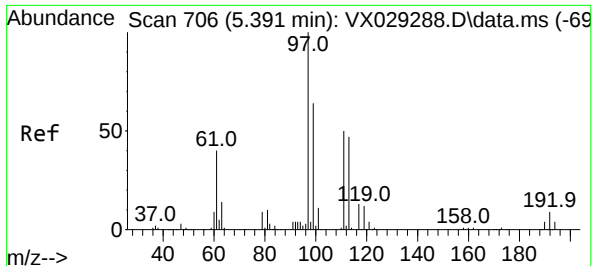
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.8

88 16.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 35.590 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.001 min

Lab File: VX029306.D

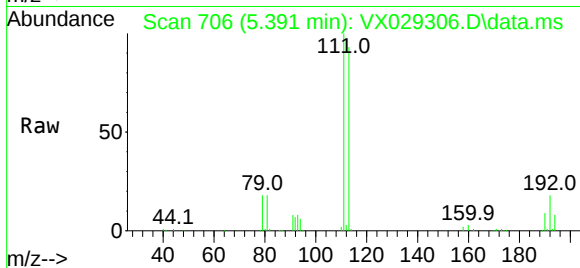
Acq: 08 Jun 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#10



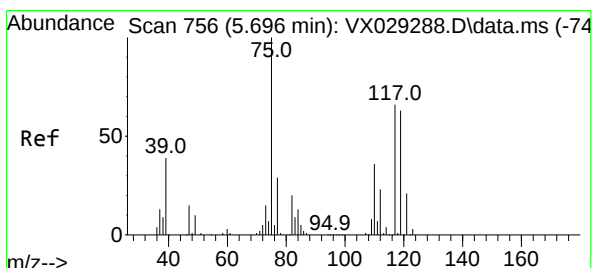
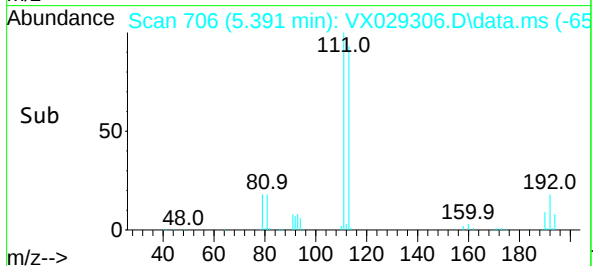
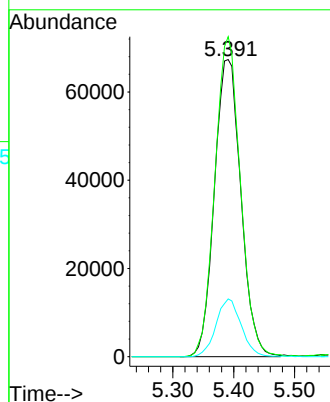
Tgt Ion:113 Resp: 203302

Ion Ratio Lower Upper

113 100

111 103.8 82.8 124.2

192 18.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 3.414 ug/l

RT: 5.555 min Scan# 733

Delta R.T. -0.141 min

Lab File: VX029306.D

Acq: 08 Jun 2022 04:13

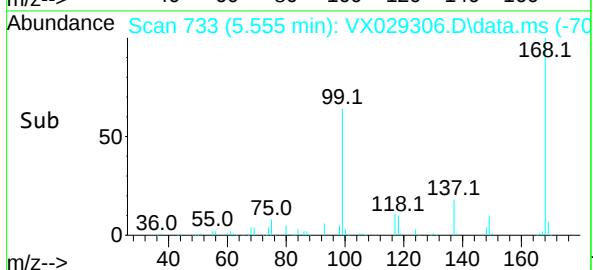
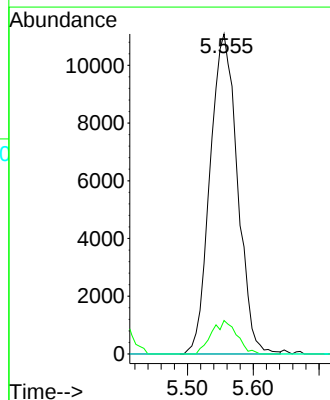
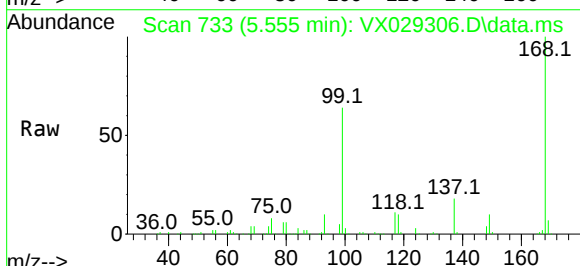
Tgt Ion: 75 Resp: 32218

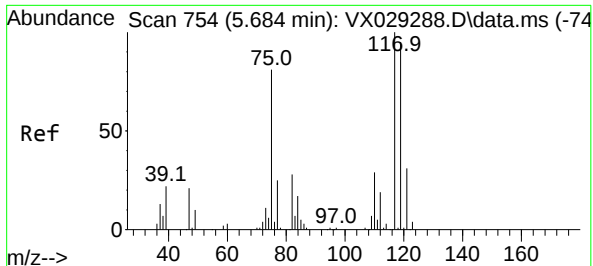
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

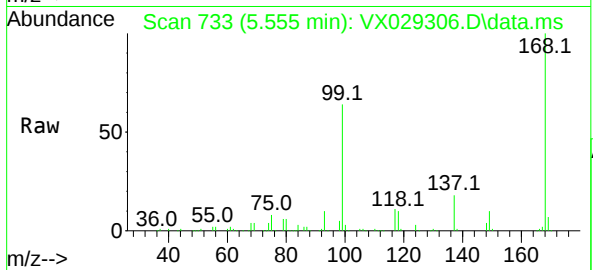
77 0.0 24.8 37.2#



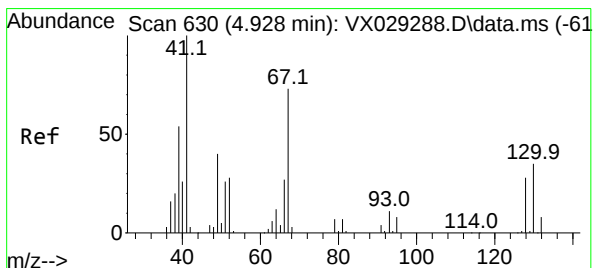
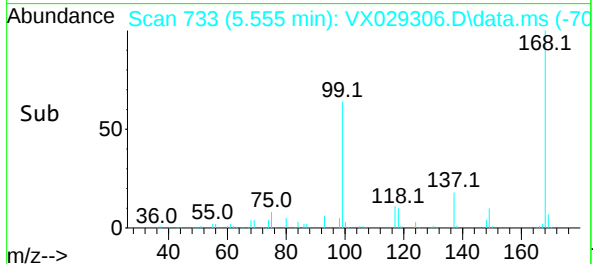
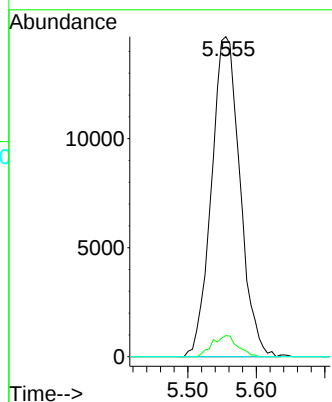


#38
Carbon Tetrachloride
Concen: 4.391 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.129 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#10

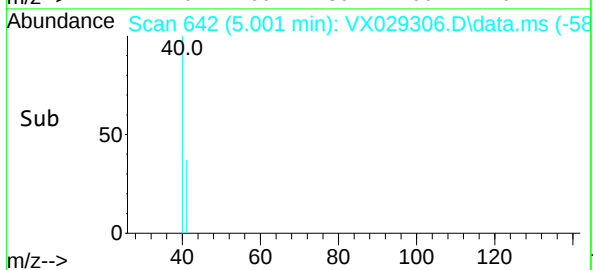
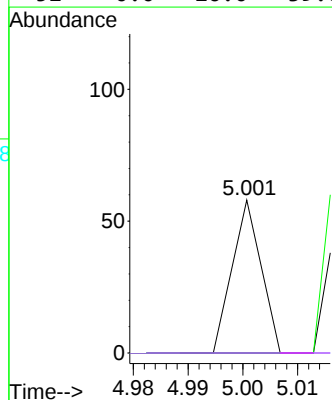
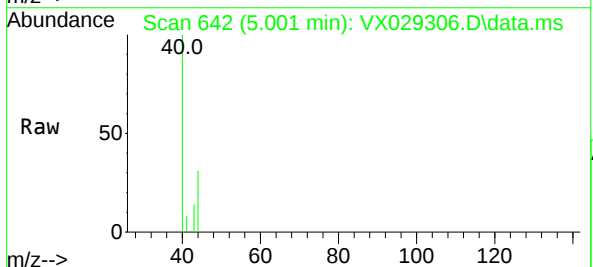


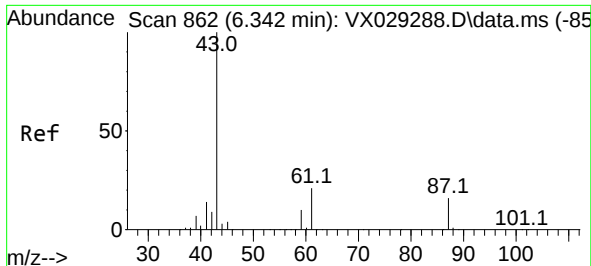
Tgt Ion:117 Resp: 42352
Ion Ratio Lower Upper
117 100
119 6.6 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: Below Cal
RT: 5.001 min Scan# 642
Delta R.T. 0.073 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

Tgt Ion: 41 Resp: 21
Ion Ratio Lower Upper
41 100
39 0.0 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

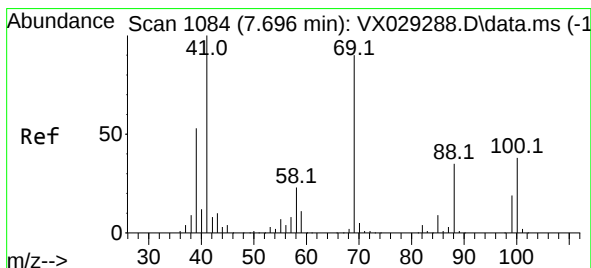
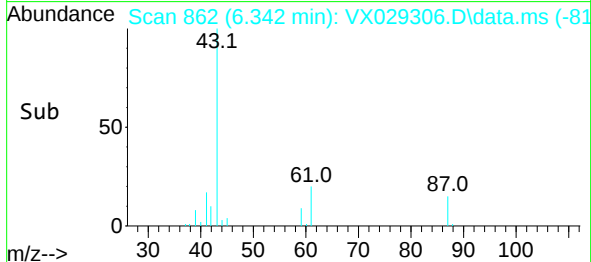
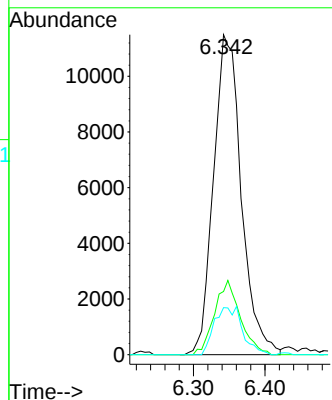
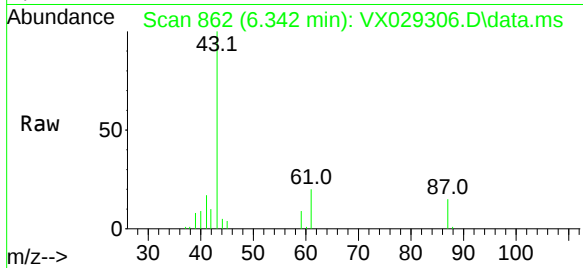




#43
Isopropyl Acetate
Concen: 2.118 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.001 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

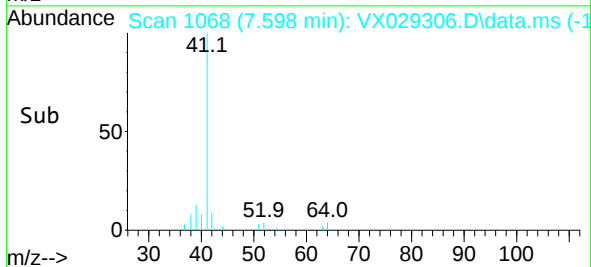
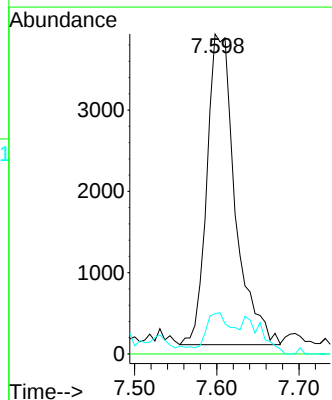
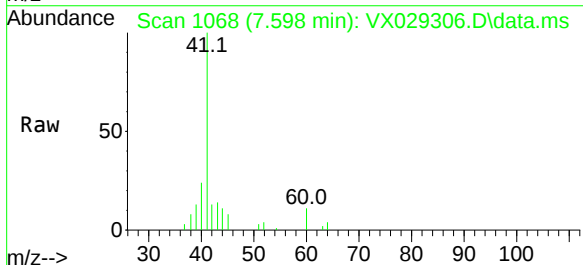
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#10

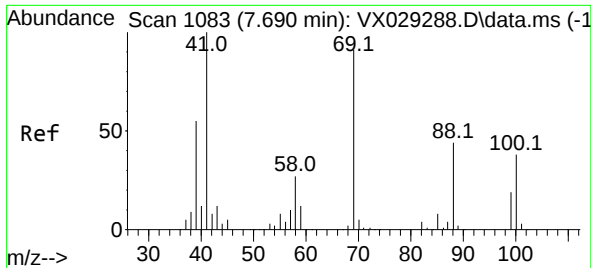
Tgt Ion: 43 Resp: 30991
Ion Ratio Lower Upper
43 100
61 21.6 18.5 27.7
87 15.2 13.0 19.6



#48
Methyl methacrylate
Concen: 1.237 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

Tgt Ion: 41 Resp: 9106
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 1.965 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX029306.D

Acq: 08 Jun 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#10

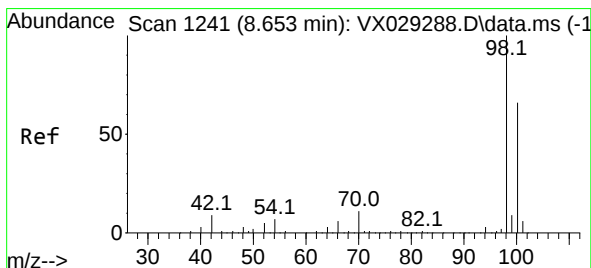
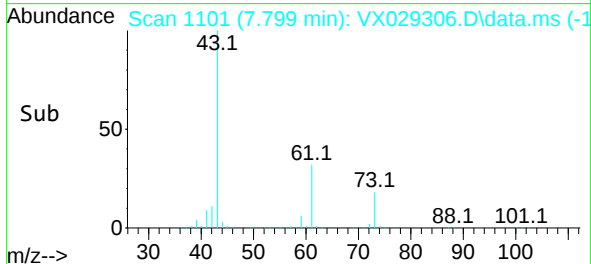
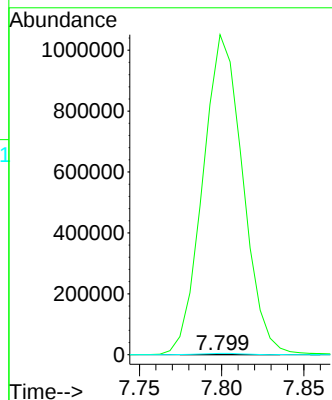
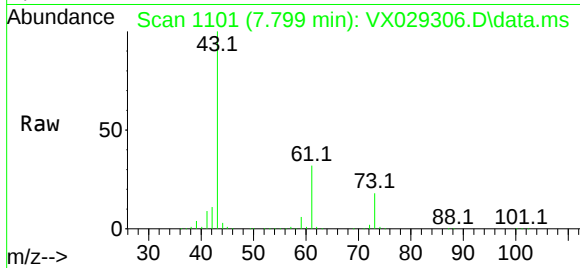
Tgt Ion: 88 Resp: 372

Ion Ratio Lower Upper

88 100

43 480229.8 21.9 32.9#

58 2169.9 53.7 80.5#



#50

Toluene-d8

Concen: 38.909 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.001 min

Lab File: VX029306.D

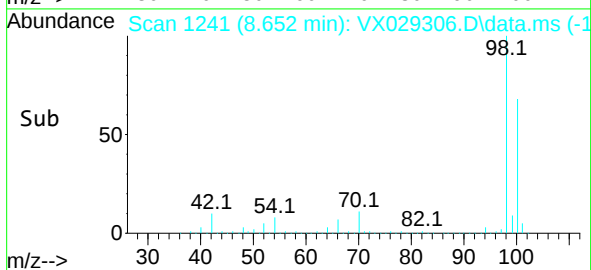
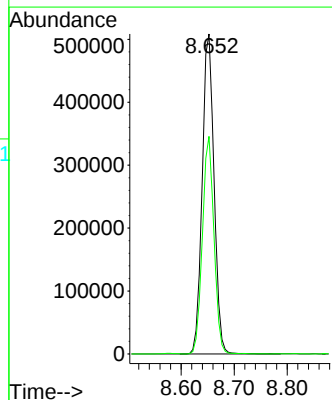
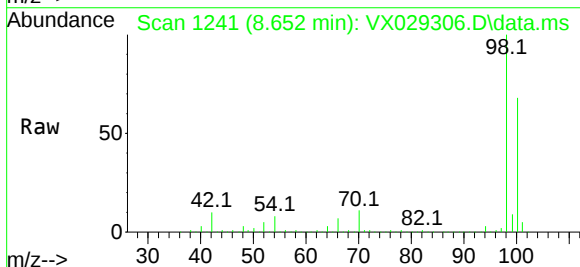
Acq: 08 Jun 2022 04:13

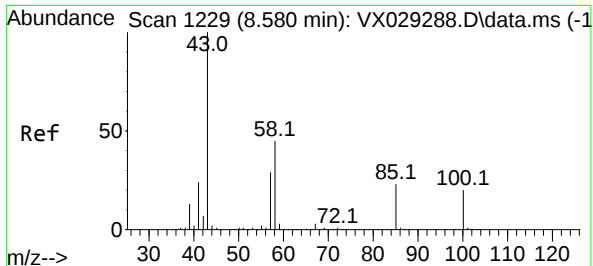
Tgt Ion: 98 Resp: 786068

Ion Ratio Lower Upper

98 100

100 66.4 52.6 78.8

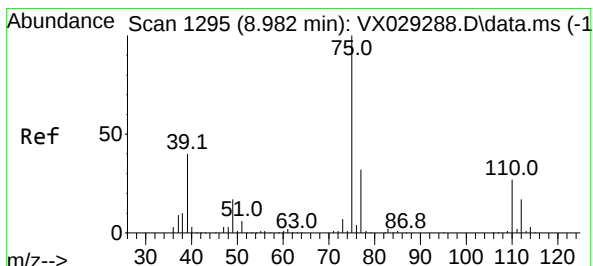
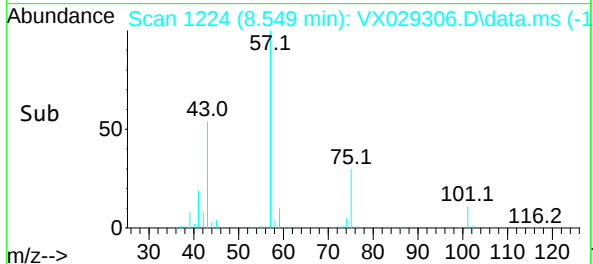
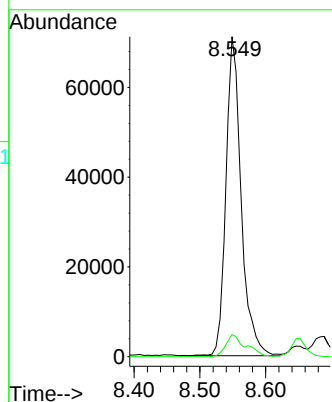
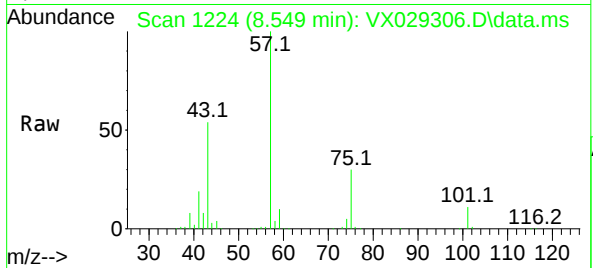




#51
4-Methyl-2-Pentanone
Concen: 11.978 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

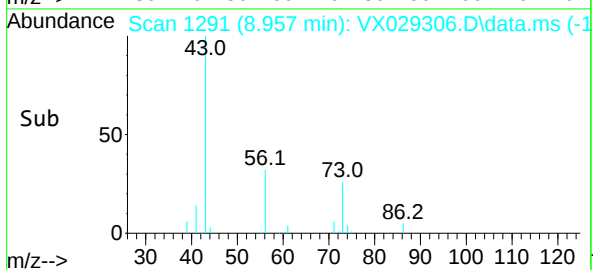
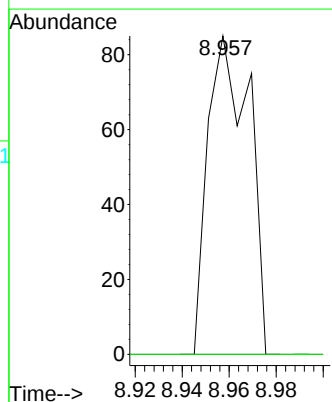
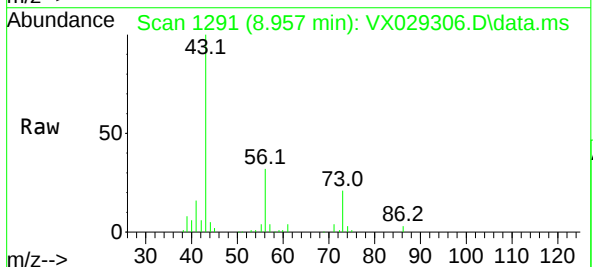
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#10

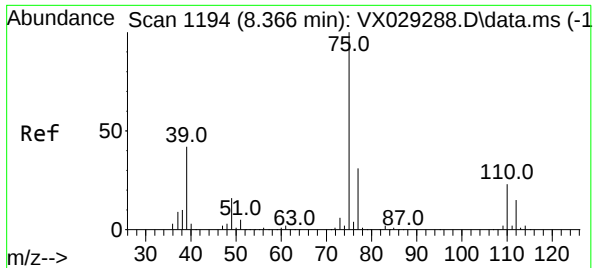
Tgt Ion: 43 Resp: 114715
Ion Ratio Lower Upper
43 100
58 9.1 36.1 54.1#



#53
t-1,3-Dichloropropene
Concen: 1.326 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.025 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

Tgt Ion: 75 Resp: 104
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

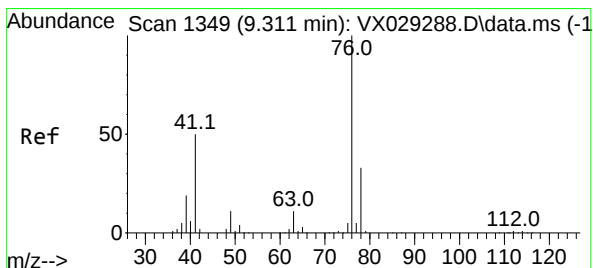
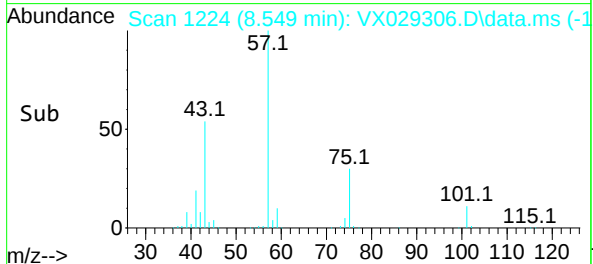
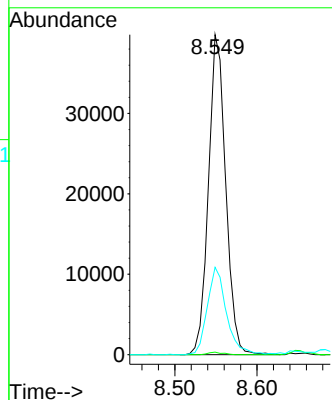
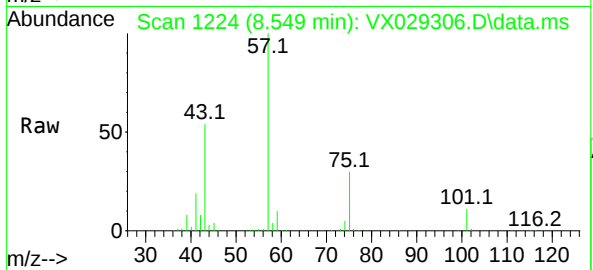




#54
cis-1,3-Dichloropropene
Concen: 5.474 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.182 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

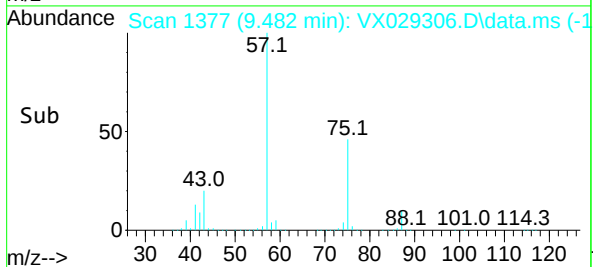
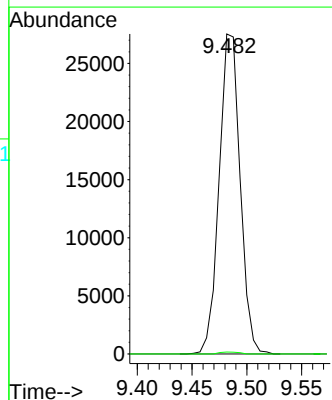
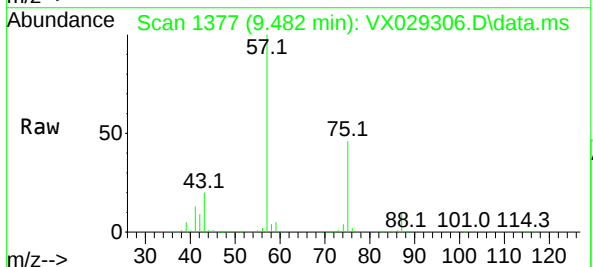
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#10

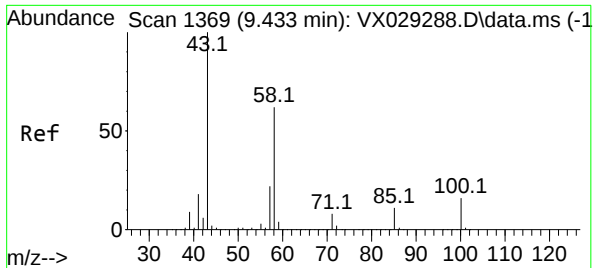
Tgt Ion: 75 Resp: 58034
Ion Ratio Lower Upper
75 100
77 0.8 24.8 37.2#
39 27.3 29.6 44.4#



#57
1,3-Dichloropropane
Concen: 2.989 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.170 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

Tgt Ion: 76 Resp: 36753
Ion Ratio Lower Upper
76 100
78 0.6 25.8 38.8#

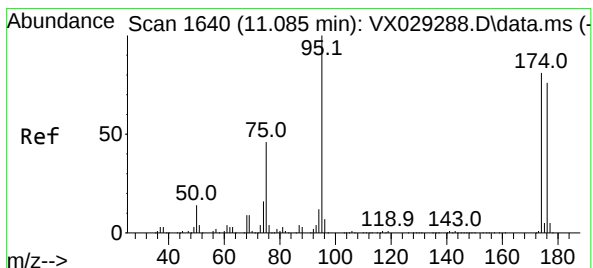
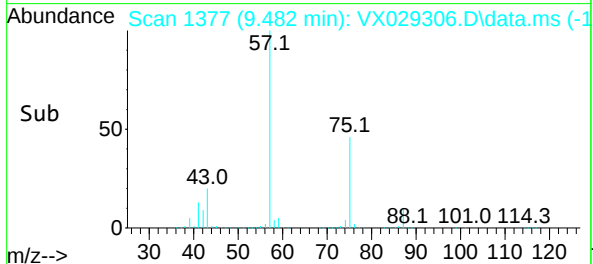
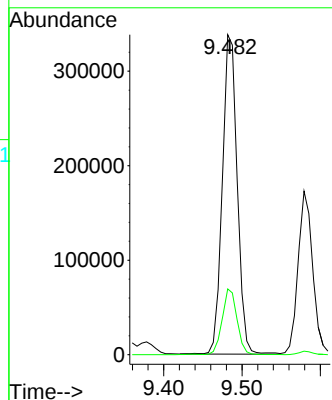
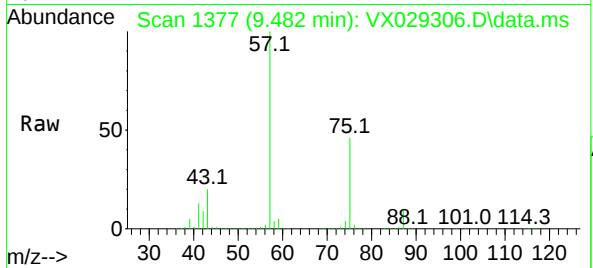




#59
2-Hexanone
Concen: 61.441 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.048 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

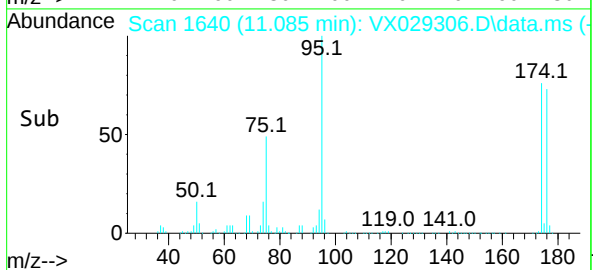
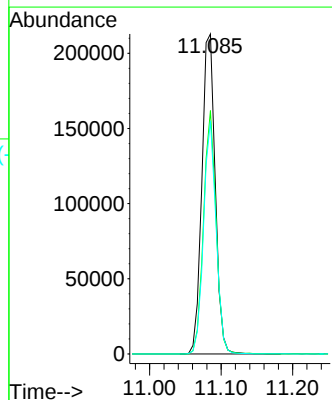
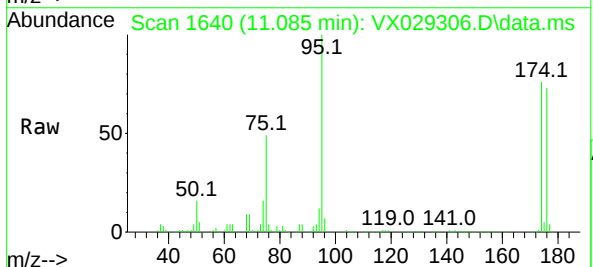
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#10

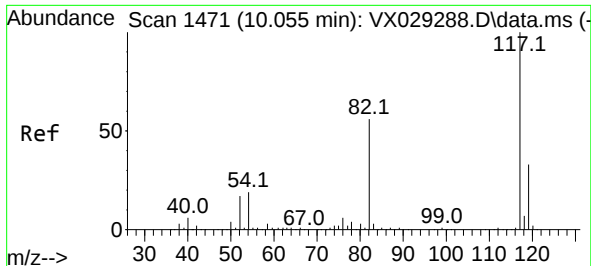
Tgt Ion: 43 Resp: 447379
Ion Ratio Lower Upper
43 100
58 20.3 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 34.879 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.001 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

Tgt Ion: 95 Resp: 275755
Ion Ratio Lower Upper
95 100
174 71.7 0.0 163.0
176 68.4 0.0 155.0

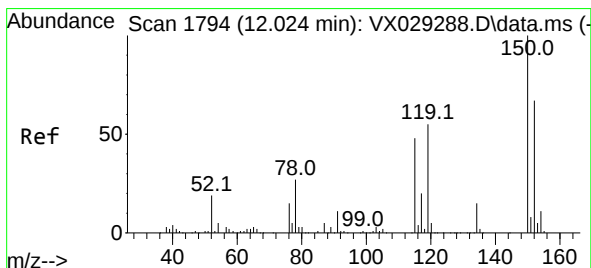
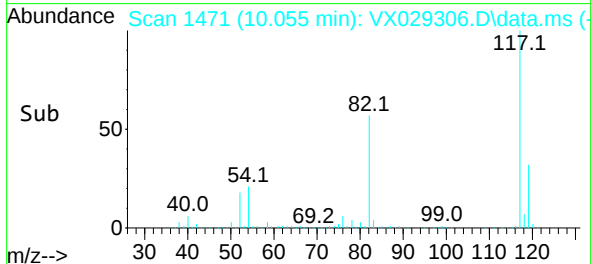
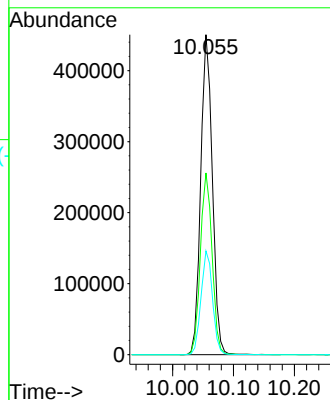
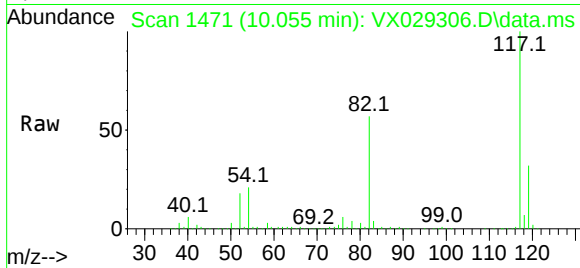




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.001 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

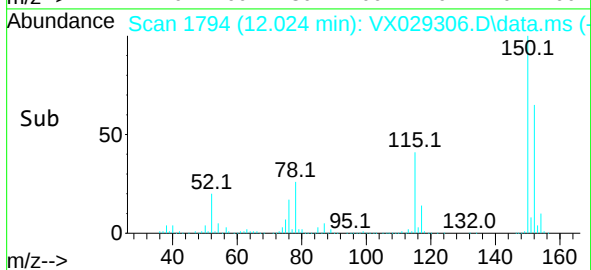
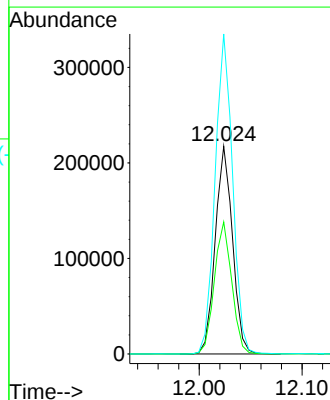
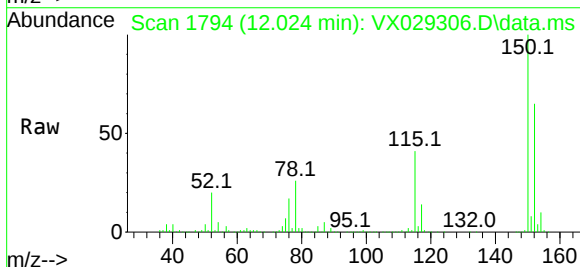
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#10

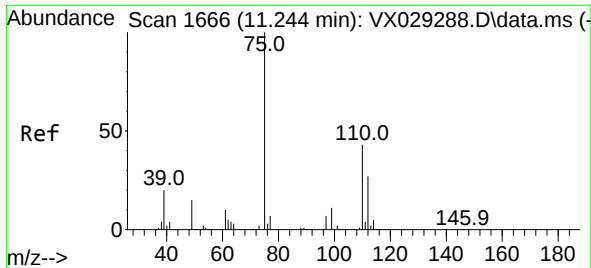
Tgt Ion:117 Resp: 596462
Ion Ratio Lower Upper
117 100
82 56.8 41.8 62.8
119 32.4 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

Tgt Ion:152 Resp: 254082
Ion Ratio Lower Upper
152 100
115 64.1 37.5 112.7
150 155.7 0.0 338.2

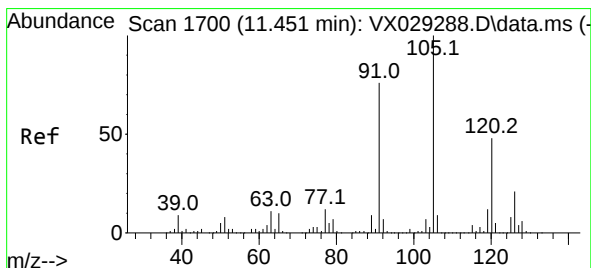
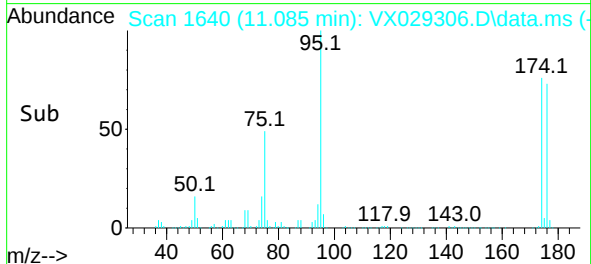
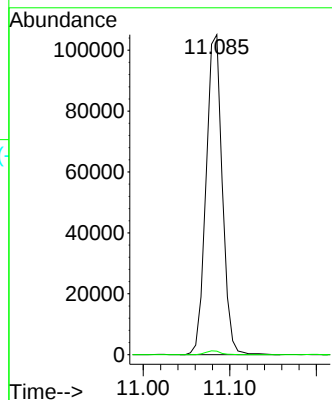
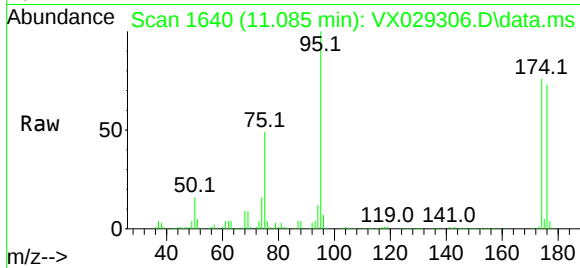




#76
1,2,3-Trichloropropane
Concen: 22.981 ug/l
RT: 11.085 min Scan# 110
Delta R.T. -0.159 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

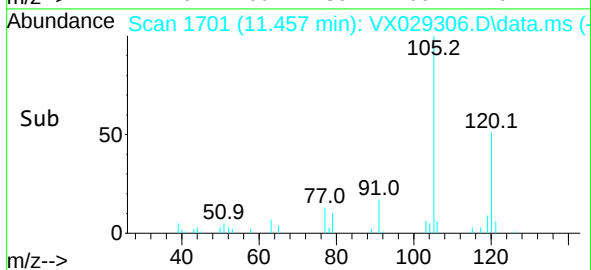
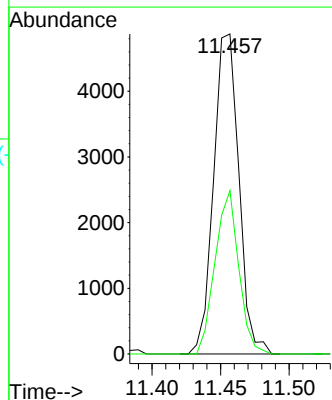
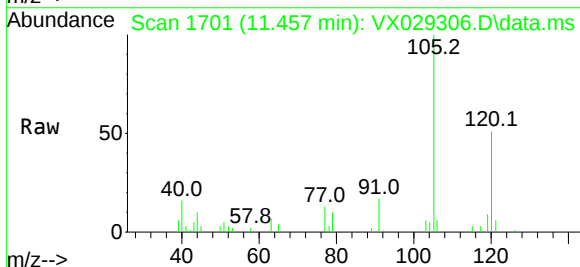
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#10

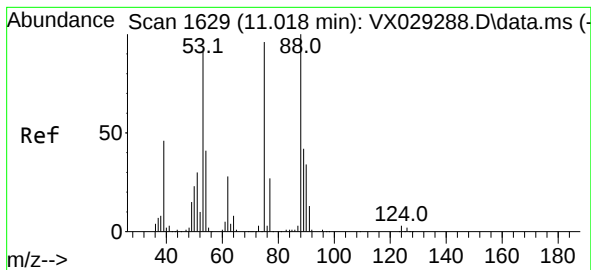
Tgt Ion: 75 Resp: 136381
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.367 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX029306.D
Acq: 08 Jun 2022 04:13

Tgt Ion: 105 Resp: 6236
Ion Ratio Lower Upper
105 100
120 47.8 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.522 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX029306.D
 Acq: 08 Jun 2022 04:13

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#10

Tgt Ion: 75 Resp: 136381
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

