

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
 Data File : VX029305.D
 Acq On : 08 Jun 2022 03:50
 Operator : JC/MD
 Sample : PB145355ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#09

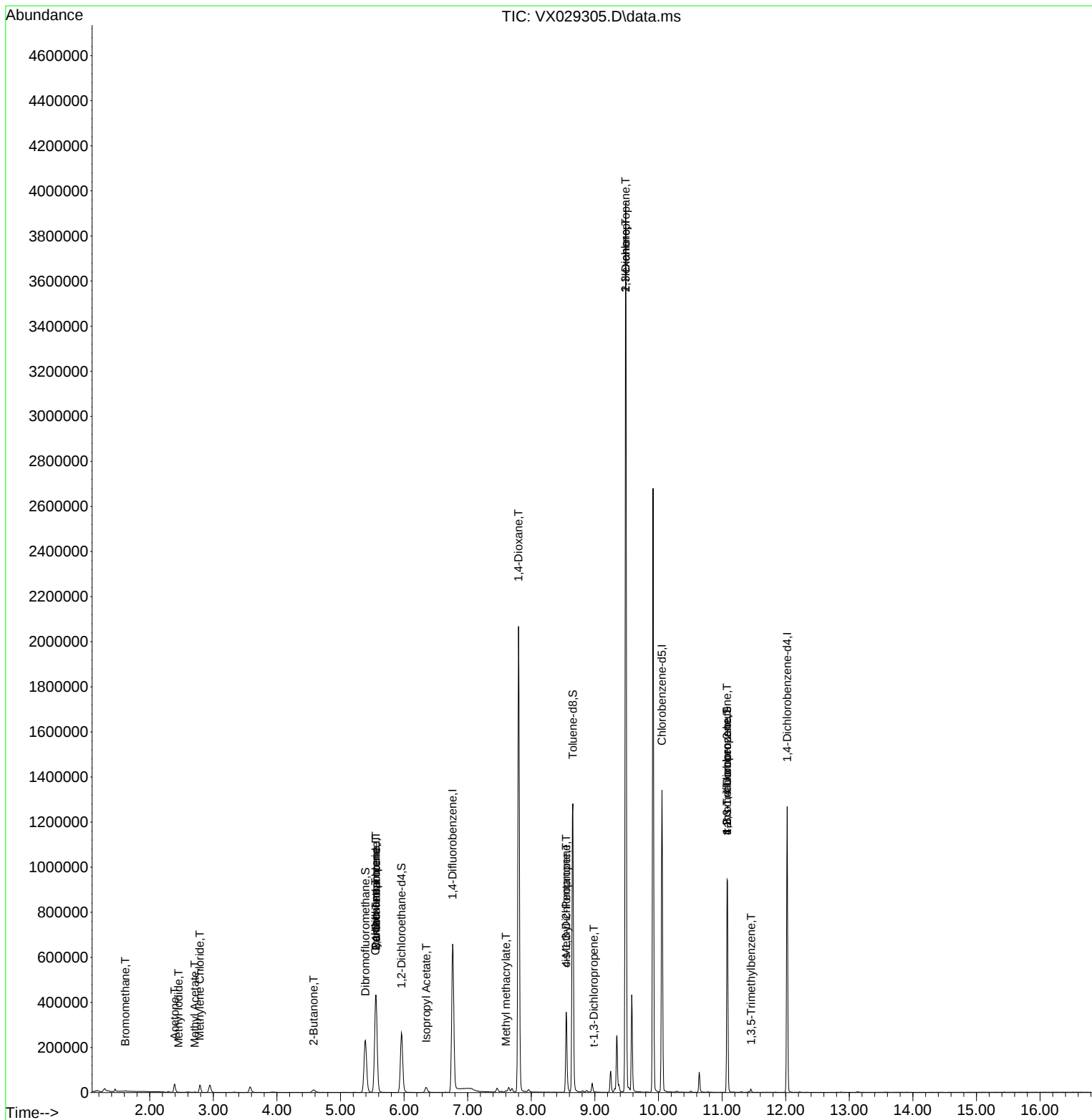
Quant Time: Jun 08 05:17:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

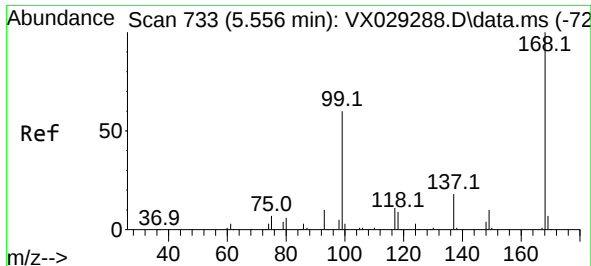
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	398869	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	670348	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	597068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	248747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	252612	41.300	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	82.600%		
35) Dibromofluoromethane	5.391	113	205708	36.096	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	72.200%		
50) Toluene-d8	8.653	98	777245	38.563	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	77.120%		
62) 4-Bromofluorobenzene	11.079	95	275953	34.986	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	69.980%		
Target Compounds						Qvalue
5) Bromomethane	1.618	94	1044	0.278	ug/l	99
6) Chloroethane	1.672	64	502	Below Cal		89
10) Methyl Iodide	2.453	142	437	1.291	ug/l #	89
11) Tert butyl alcohol	2.947	59	19303	Below Cal	#	76
16) Acetone	2.392	43	44074	13.659	ug/l	94
18) Methyl Acetate	2.709	43	2291	0.268	ug/l #	75
20) Methylene Chloride	2.788	84	15071	2.091	ug/l	90
25) 2-Butanone	4.574	43	5950	1.166	ug/l	92
31) Cyclohexane	5.550	56	7751	0.717	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	31760	3.374	ug/l #	50
38) Carbon Tetrachloride	5.556	117	43909	4.563	ug/l #	16
41) Methacrylonitrile	5.019	41	188	Below Cal	#	24
43) Isopropyl Acetate	6.348	43	30723	2.104	ug/l	97
48) Methyl methacrylate	7.604	41	8703	1.185	ug/l #	7
49) 1,4-Dioxane	7.799	88	410	2.171	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	116960	12.241	ug/l #	45
53) t-1,3-Dichloropropene	8.982	75	77	1.324	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	58705	5.550	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	38332	3.125	ug/l #	43
59) 2-Hexanone	9.482	43	450865	62.066	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	135723	23.360	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	6510	0.392	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	135723	71.650	ug/l #	15

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

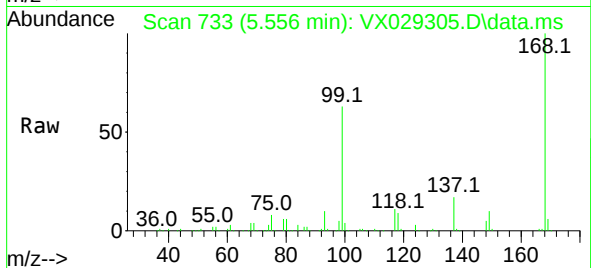
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 08 03:00:38 2022
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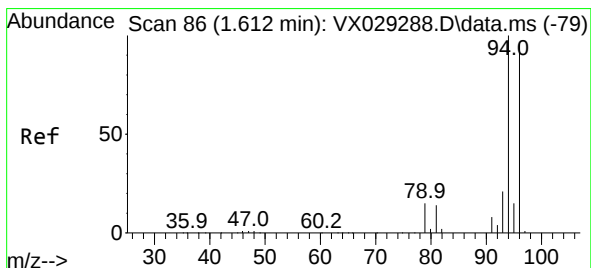
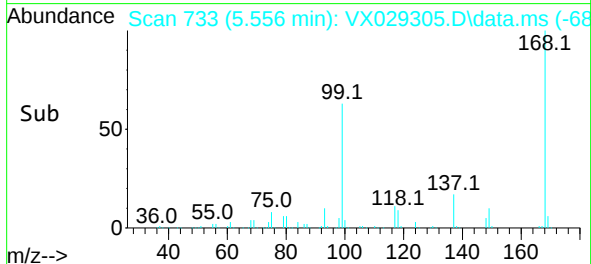
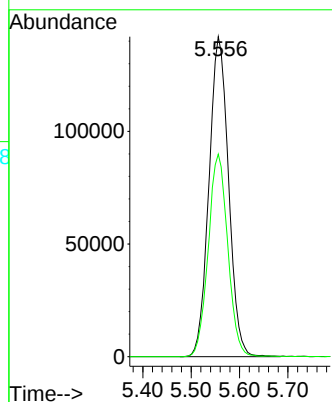


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

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PB145355ZHE#09

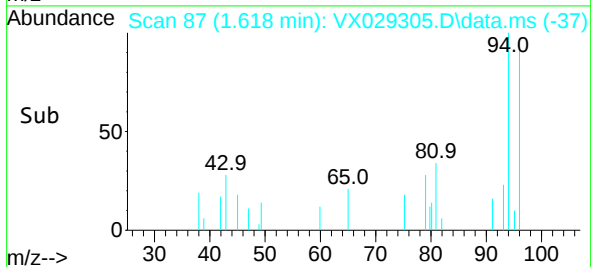
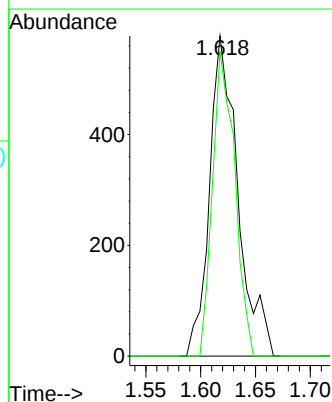
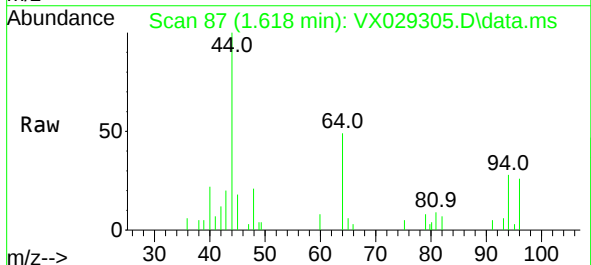


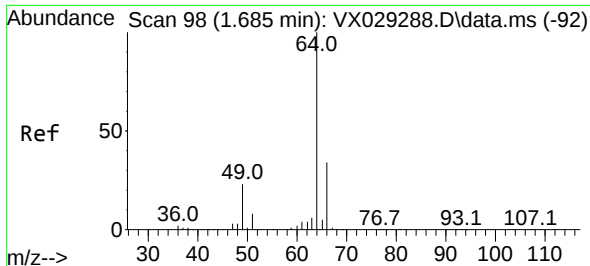
Tgt Ion:168 Resp: 398869
Ion Ratio Lower Upper
168 100
99 63.3 41.7 62.5#



#5
Bromomethane
Concen: 0.278 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

Tgt Ion: 94 Resp: 1044
Ion Ratio Lower Upper
94 100
96 95.2 75.3 112.9

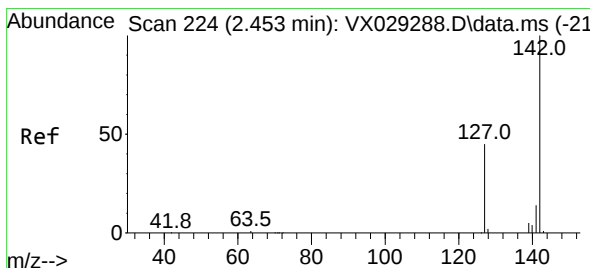
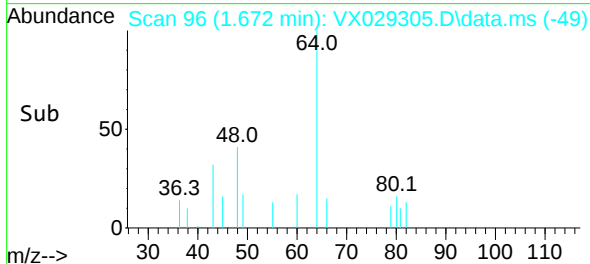
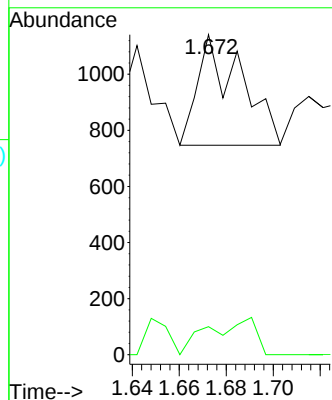
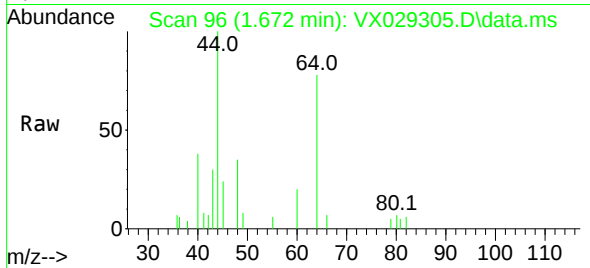




#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 90
Delta R.T. -0.013 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

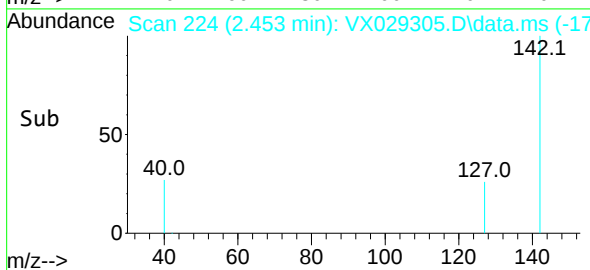
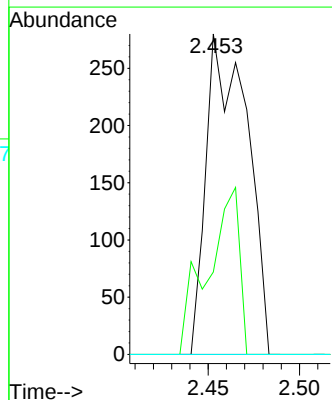
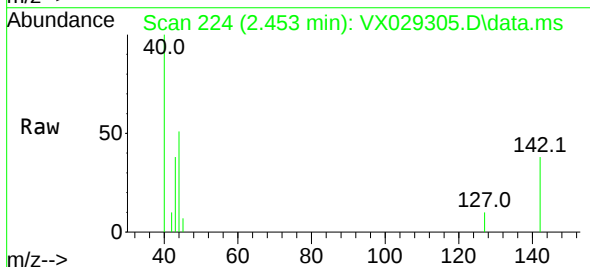
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#09

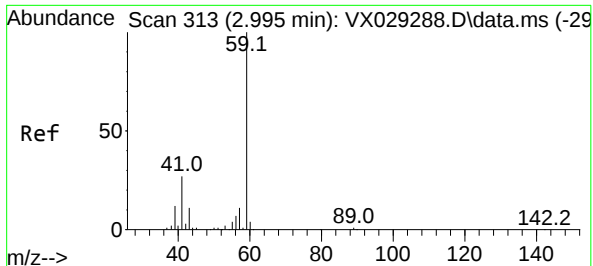
Tgt Ion: 64 Resp: 502
Ion Ratio Lower Upper
64 100
66 25.4 25.3 37.9



#10
Methyl Iodide
Concen: 1.291 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

Tgt Ion: 142 Resp: 437
Ion Ratio Lower Upper
142 100
127 40.5 33.9 50.9
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.048 min

Lab File: VX029305.D

Acq: 08 Jun 2022 03:50

Instrument :

MSVOA_X

ClientSampleId :

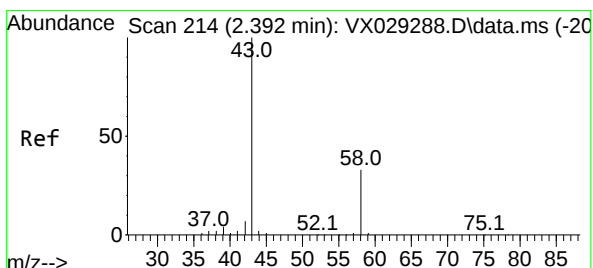
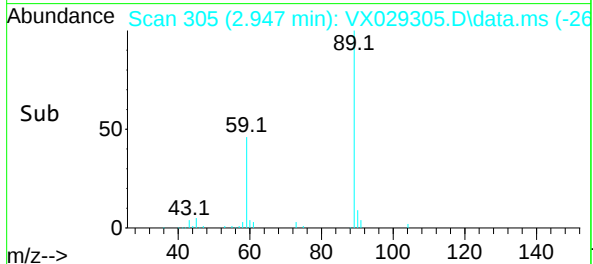
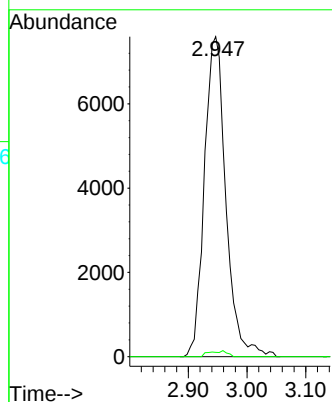
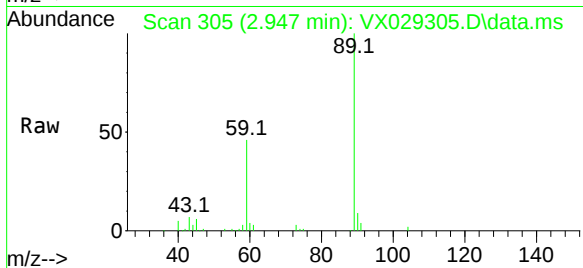
PB145355ZHE#09

Tgt Ion: 59 Resp: 19303

Ion Ratio Lower Upper

59 100

57 1.5 8.3 12.5#



#16

Acetone

Concen: 13.659 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX029305.D

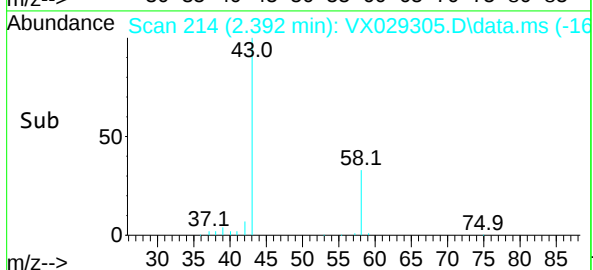
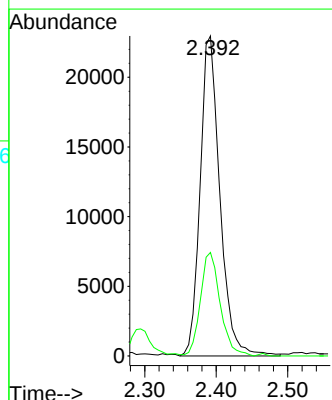
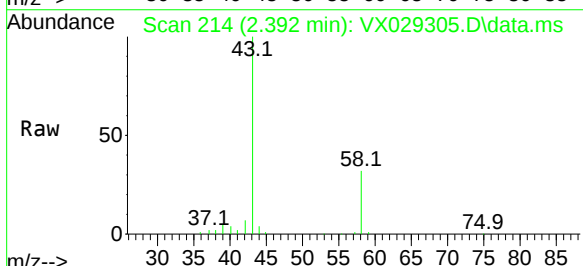
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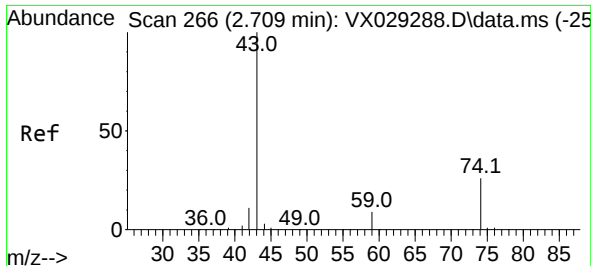
Tgt Ion: 43 Resp: 44074

Ion Ratio Lower Upper

43 100

58 32.4 28.8 43.2

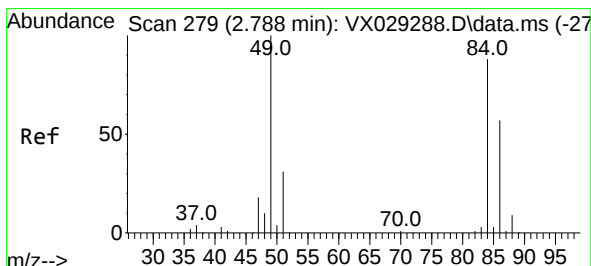
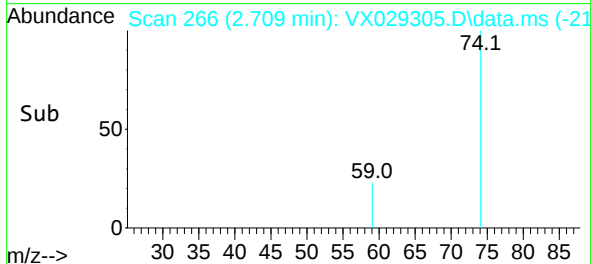
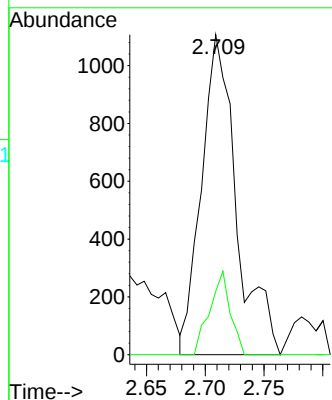
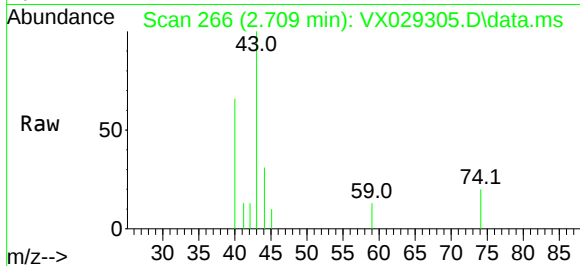




#18
Methyl Acetate
Concen: 0.268 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

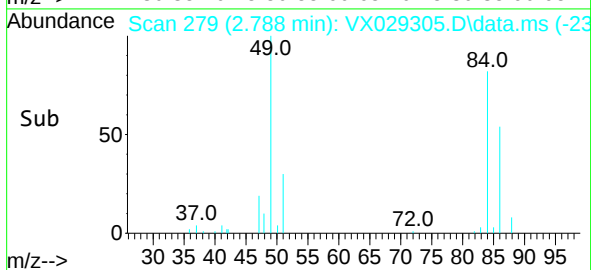
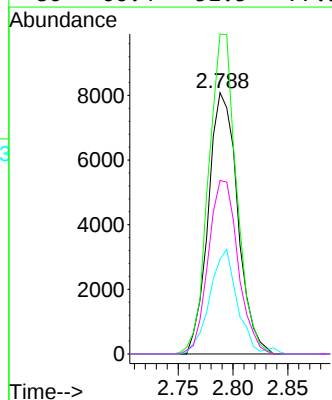
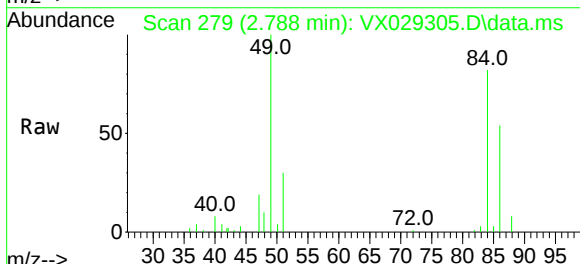
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#09

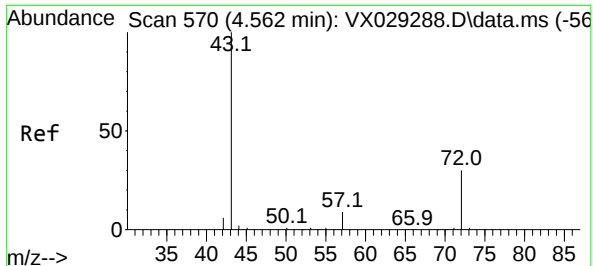
Tgt Ion: 43 Resp: 2291
Ion Ratio Lower Upper
43 100
74 15.4 22.8 34.2#



#20
Methylene Chloride
Concen: 2.091 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

Tgt Ion: 84 Resp: 15071
Ion Ratio Lower Upper
84 100
49 122.5 85.5 128.3
51 36.2 26.6 39.8
86 66.4 51.5 77.3





#25

2-Butanone

Concen: 1.166 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029305.D

Acq: 08 Jun 2022 03:50

Instrument :

MSVOA_X

ClientSampleId :

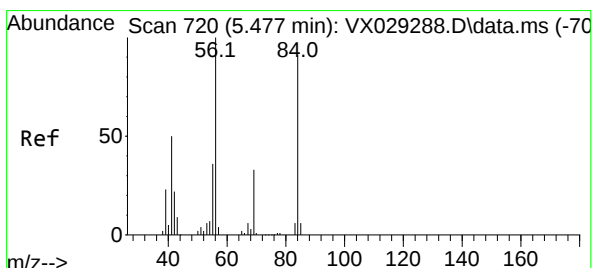
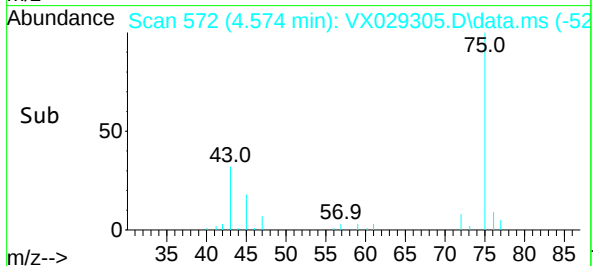
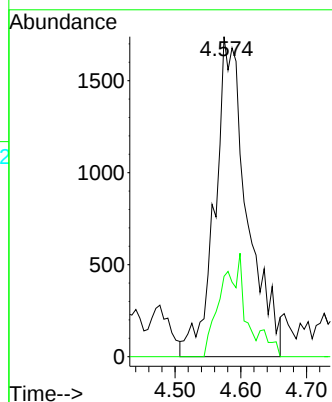
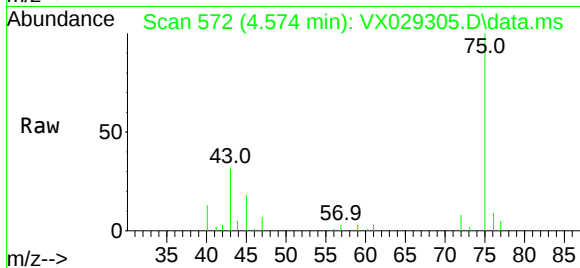
PB145355ZHE#09

Tgt Ion: 43 Resp: 5950

Ion Ratio Lower Upper

43 100

72 26.4 24.4 36.6



#31

Cyclohexane

Concen: 0.717 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX029305.D

Acq: 08 Jun 2022 03:50

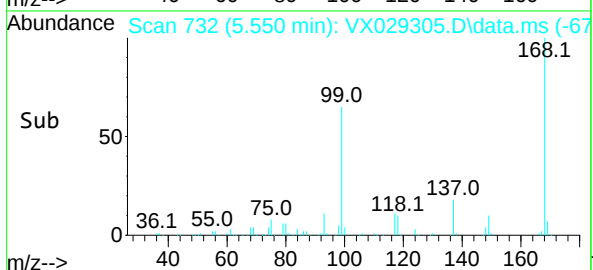
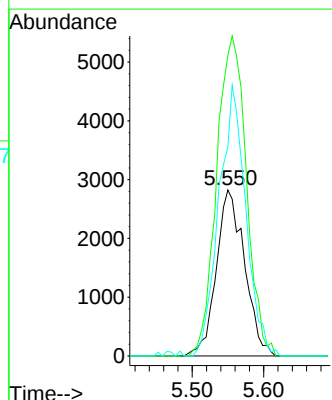
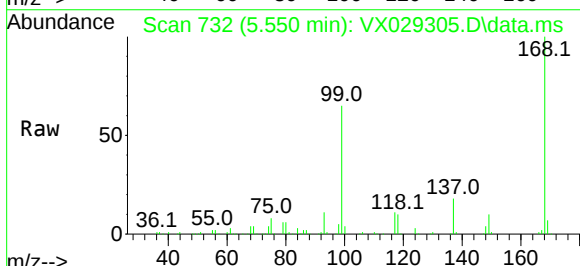
Tgt Ion: 56 Resp: 7751

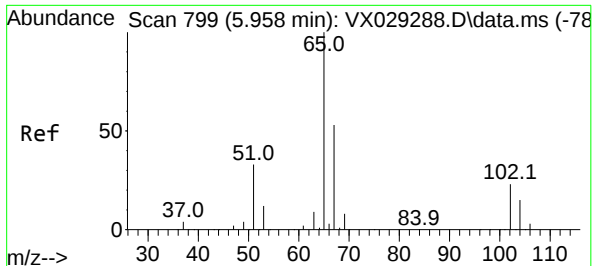
Ion Ratio Lower Upper

56 100

69 181.2 26.7 40.1#

84 126.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 41.300 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029305.D

Acq: 08 Jun 2022 03:50

Instrument :

MSVOA_X

ClientSampleId :

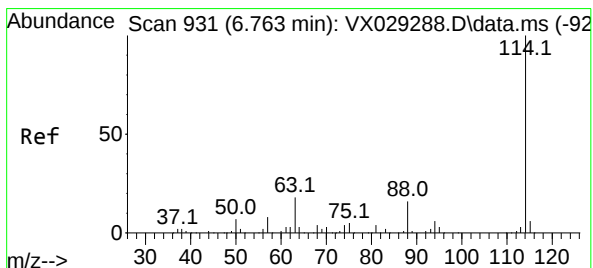
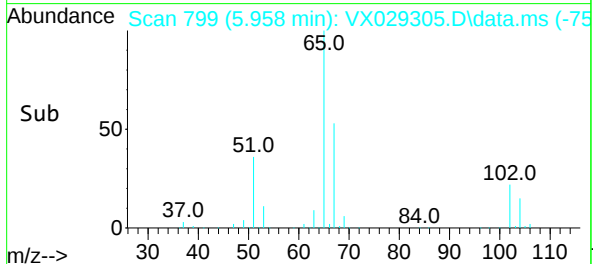
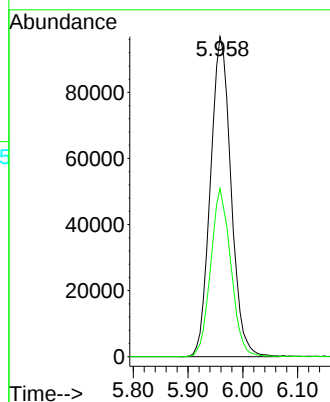
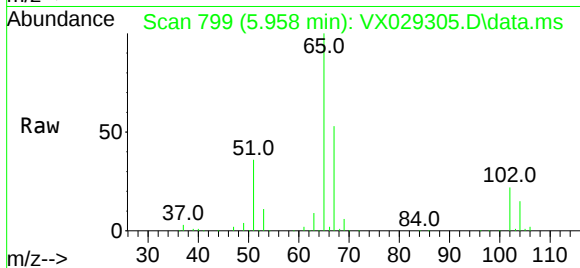
PB145355ZHE#09

Tgt Ion: 65 Resp: 252612

Ion Ratio Lower Upper

65 100

67 51.5 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: VX029305.D

Acq: 08 Jun 2022 03:50

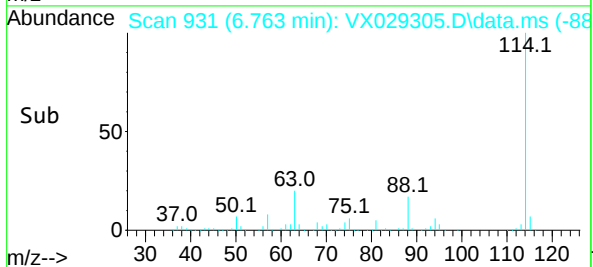
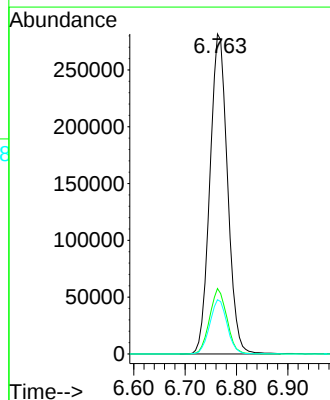
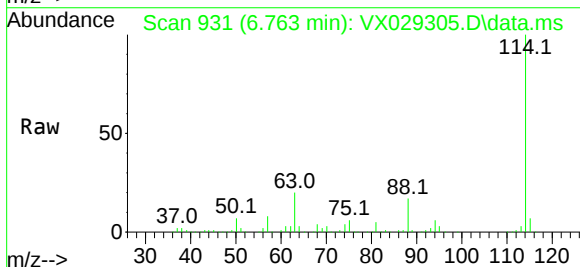
Tgt Ion: 114 Resp: 670348

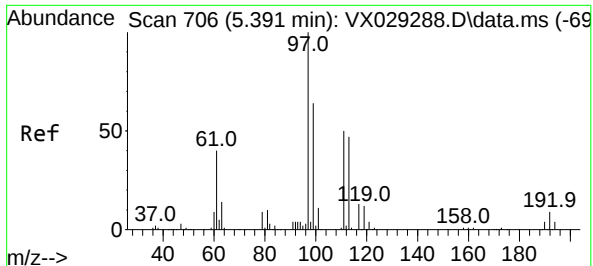
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.8

88 17.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 36.096 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX029305.D

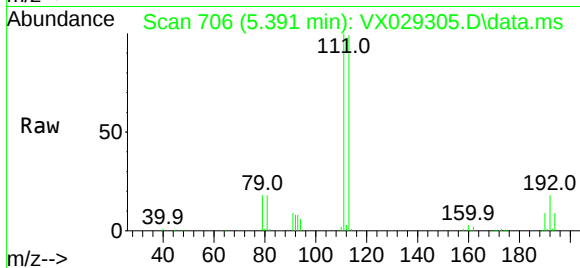
Acq: 08 Jun 2022 03:50

Instrument :

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PB145355ZHE#09



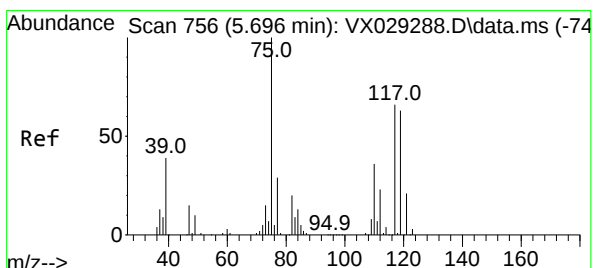
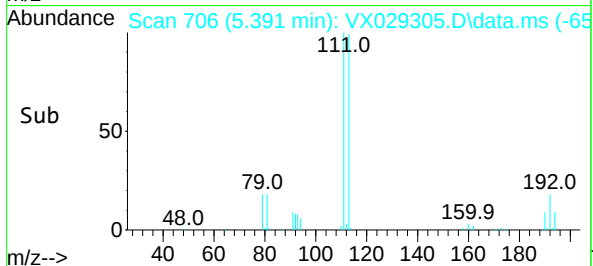
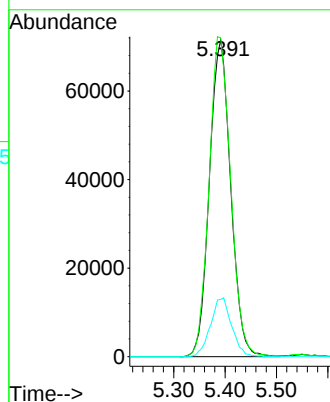
Tgt Ion:113 Resp: 205708

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

192 18.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 3.374 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029305.D

Acq: 08 Jun 2022 03:50

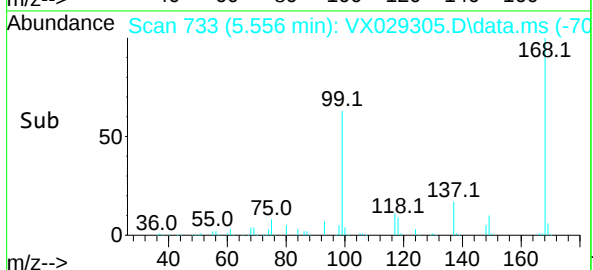
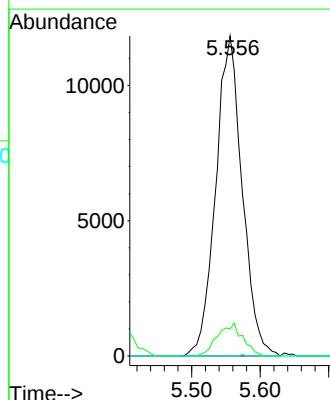
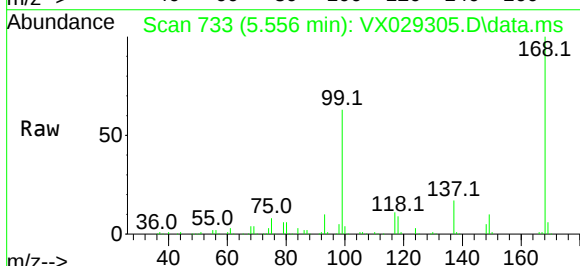
Tgt Ion: 75 Resp: 31760

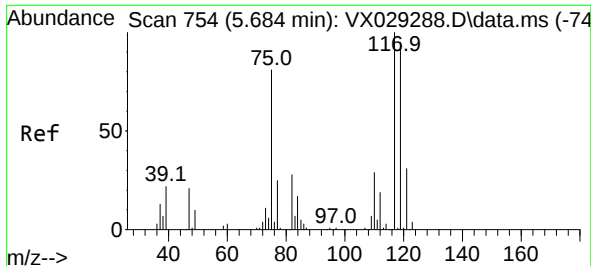
Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

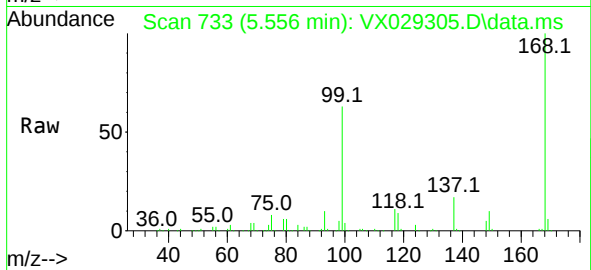
77 0.1 24.8 37.2#



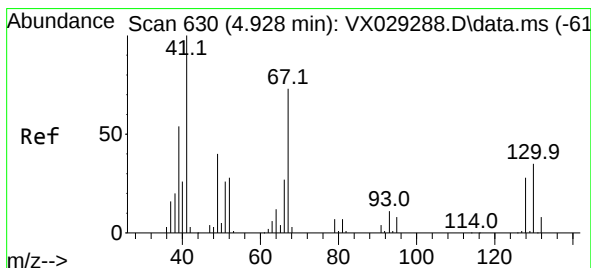
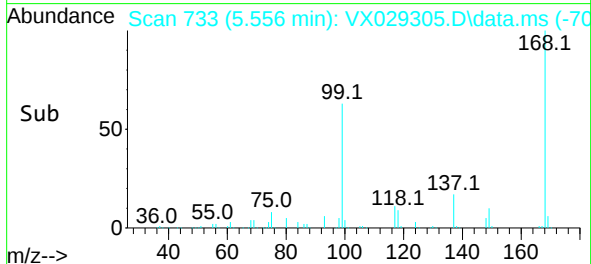
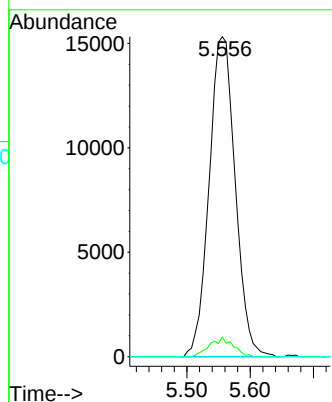


#38
Carbon Tetrachloride
Concen: 4.563 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#09

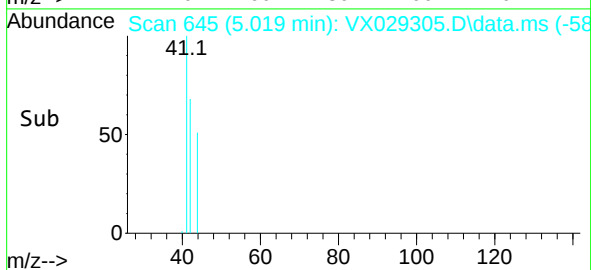
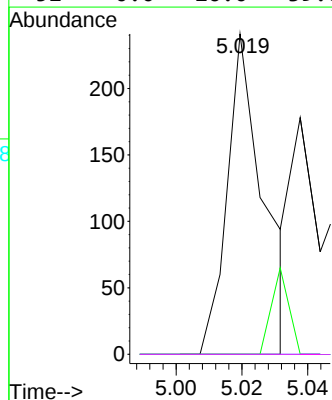
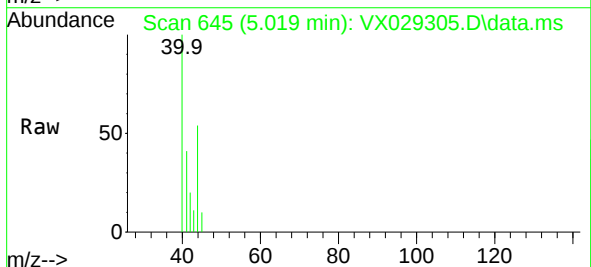


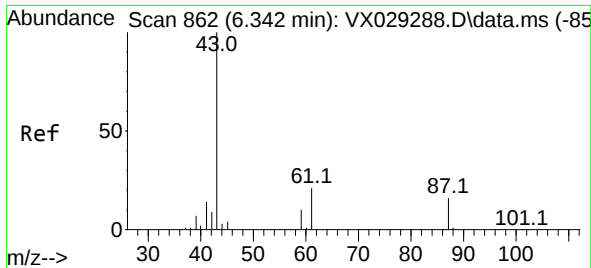
Tgt Ion:117 Resp: 43909
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: Below Cal
RT: 5.019 min Scan# 645
Delta R.T. 0.091 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

Tgt Ion: 41 Resp: 188
Ion Ratio Lower Upper
41 100
39 12.8 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

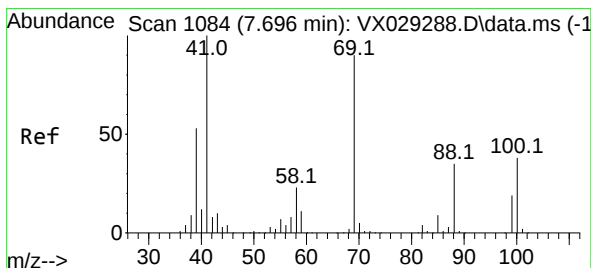
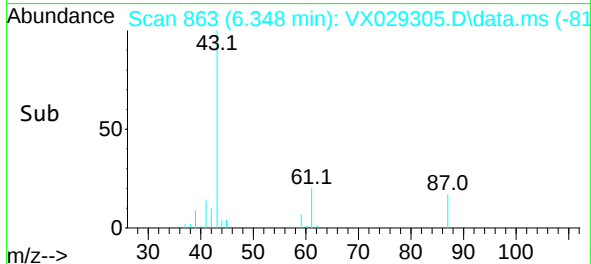
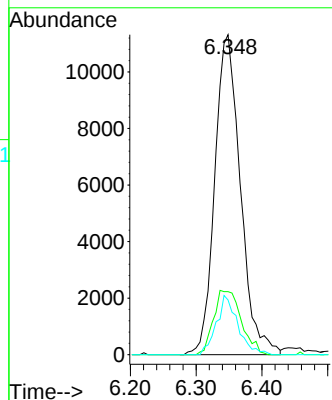
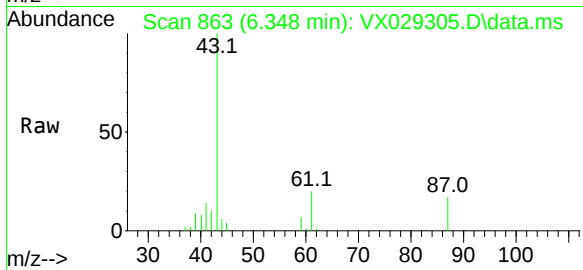




#43
Isopropyl Acetate
Concen: 2.104 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

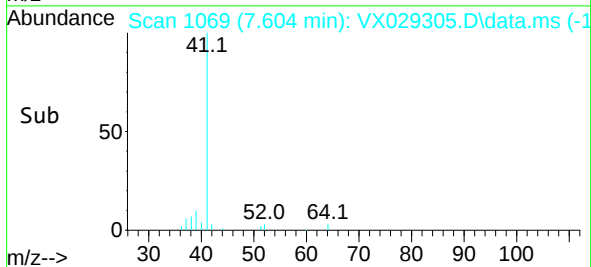
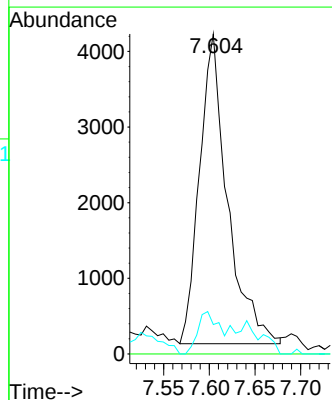
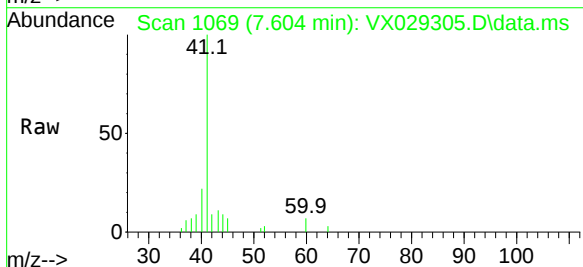
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#09

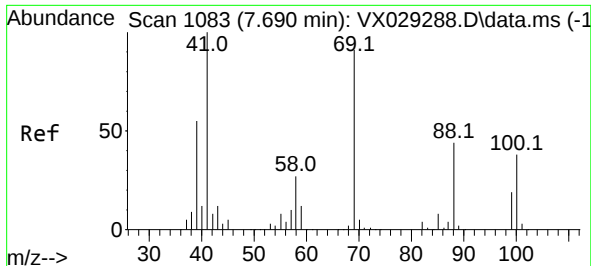
Tgt Ion: 43 Resp: 30723
Ion Ratio Lower Upper
43 100
61 21.6 18.5 27.7
87 15.5 13.0 19.6



#48
Methyl methacrylate
Concen: 1.185 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

Tgt Ion: 41 Resp: 8703
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: 2.171 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX029305.D

Acq: 08 Jun 2022 03:50

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#09

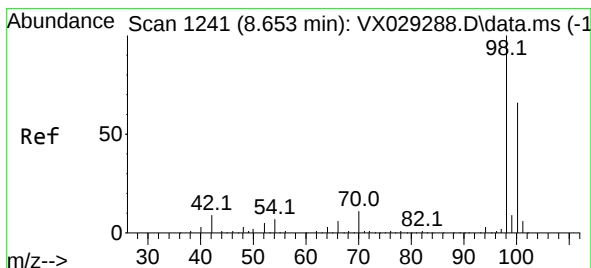
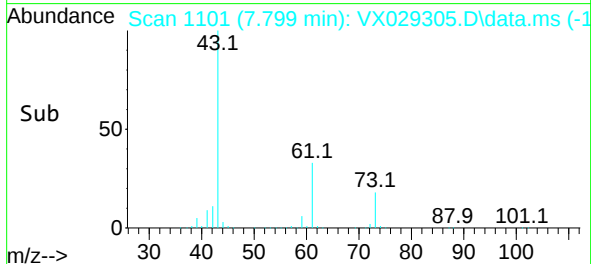
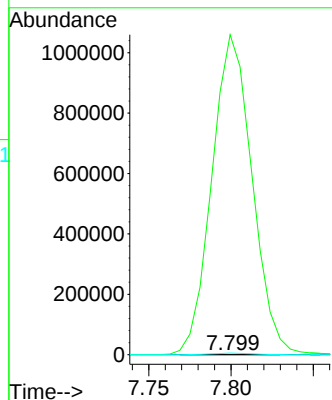
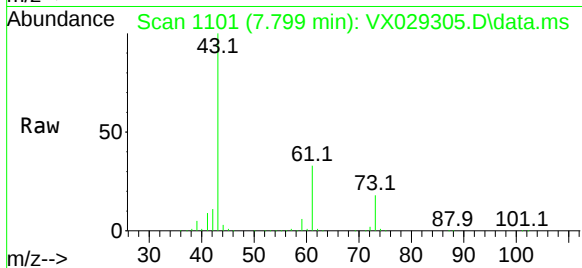
Tgt Ion: 88 Resp: 410

Ion Ratio Lower Upper

88 100

43 442147.1 21.9 32.9#

58 2059.5 53.7 80.5#



#50

Toluene-d8

Concen: 38.563 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX029305.D

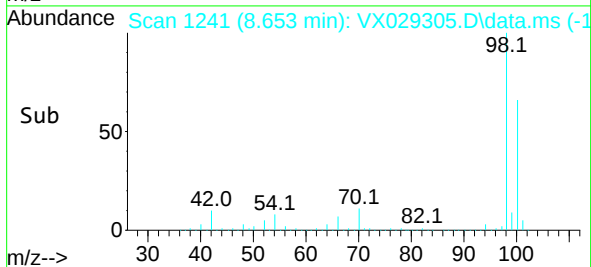
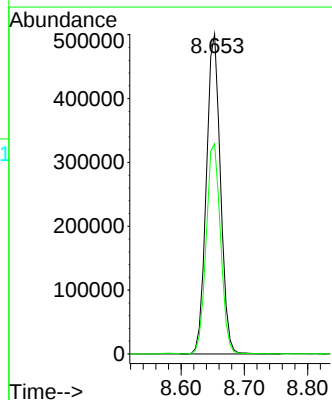
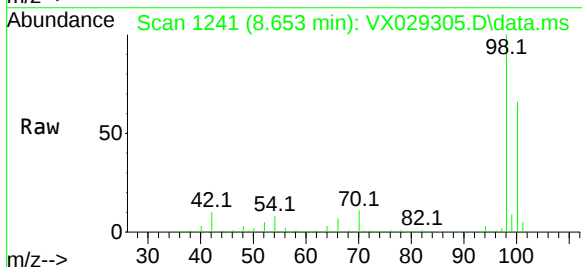
Acq: 08 Jun 2022 03:50

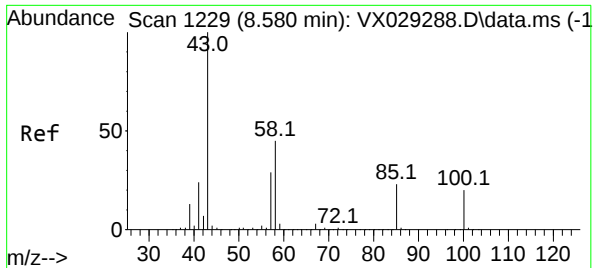
Tgt Ion: 98 Resp: 777245

Ion Ratio Lower Upper

98 100

100 67.2 52.6 78.8

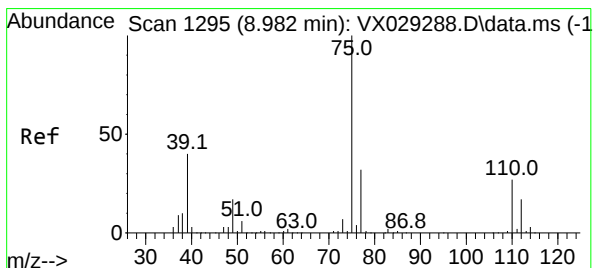
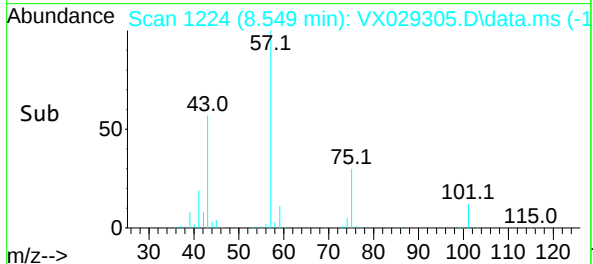
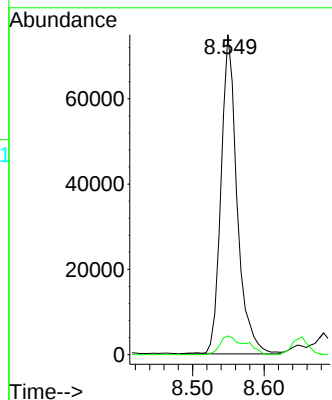
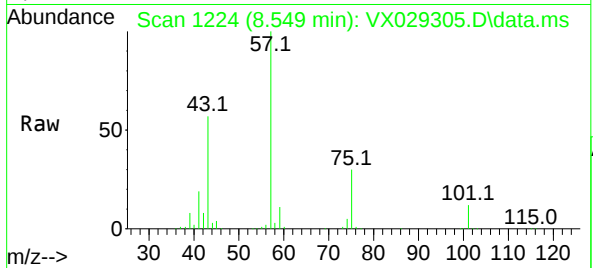




#51
4-Methyl-2-Pentanone
Concen: 12.241 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

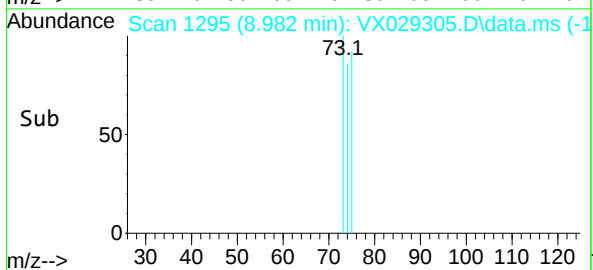
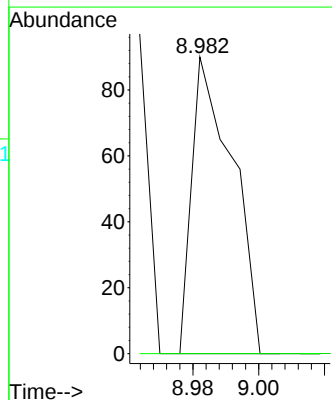
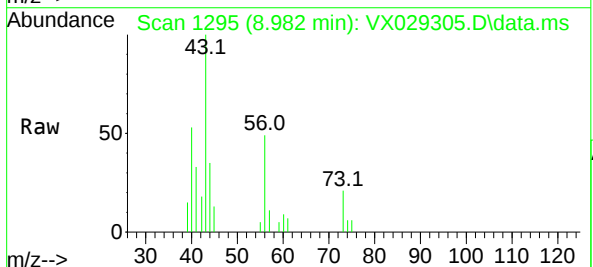
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#09

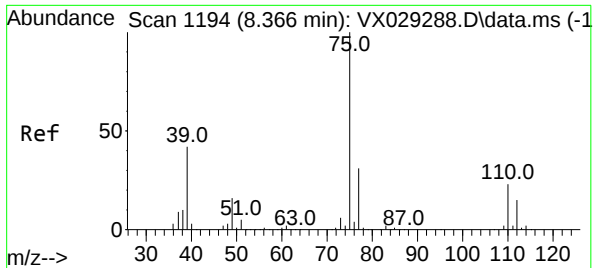
Tgt Ion: 43 Resp: 116960
Ion Ratio Lower Upper
43 100
58 9.3 36.1 54.1#



#53
t-1,3-Dichloropropene
Concen: 1.324 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

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

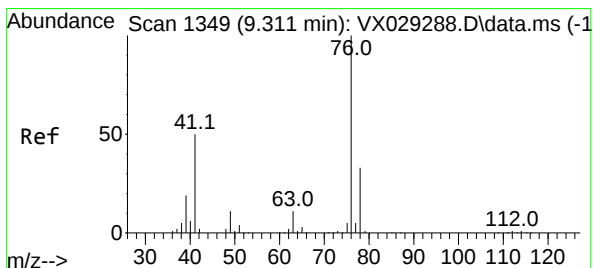
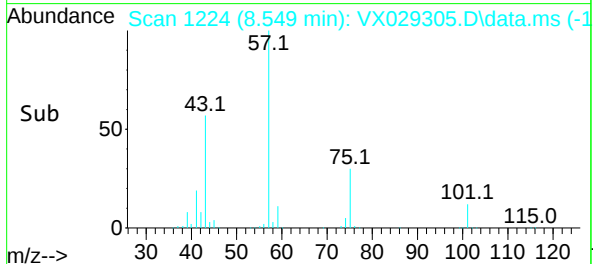
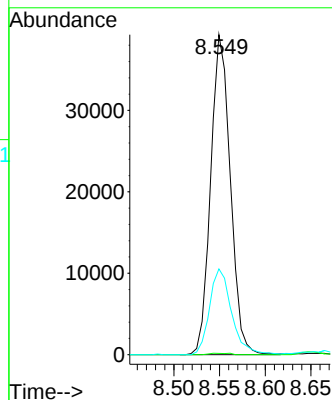
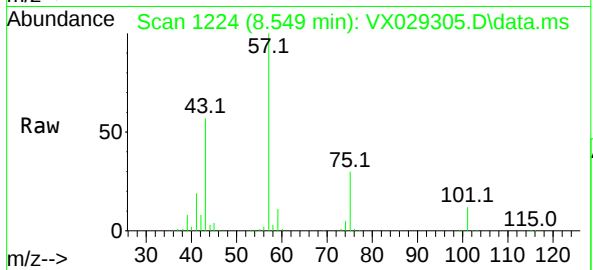




#54
 cis-1,3-Dichloropropene
 Concen: 5.550 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX029305.D
 Acq: 08 Jun 2022 03:50

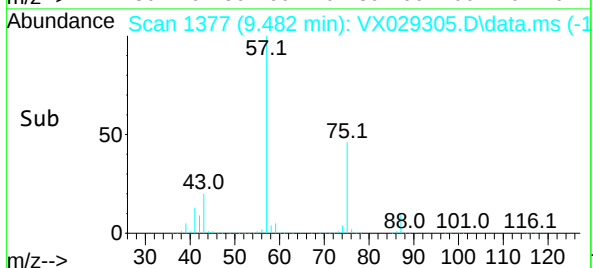
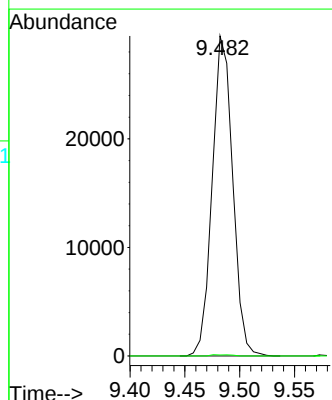
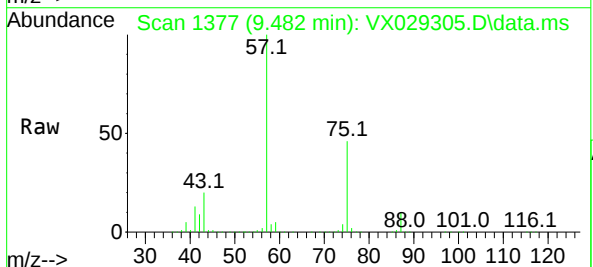
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#09

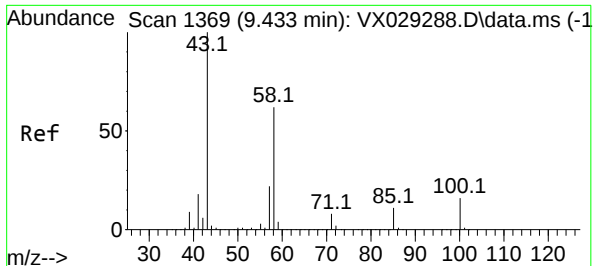
Tgt Ion: 75 Resp: 58705
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.8 37.2#
 39 26.8 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 3.125 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX029305.D
 Acq: 08 Jun 2022 03:50

Tgt Ion: 76 Resp: 38332
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#





#59

2-Hexanone

Concen: 62.066 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX029305.D

Acq: 08 Jun 2022 03:50

Instrument :

MSVOA_X

ClientSampleId :

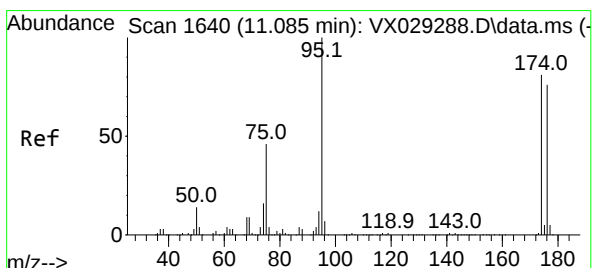
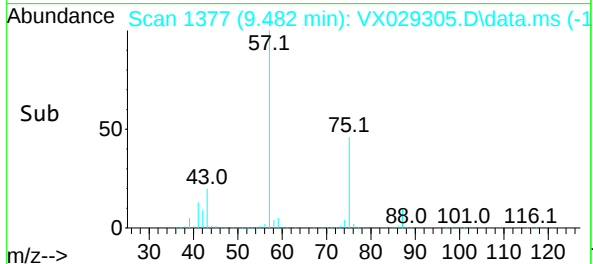
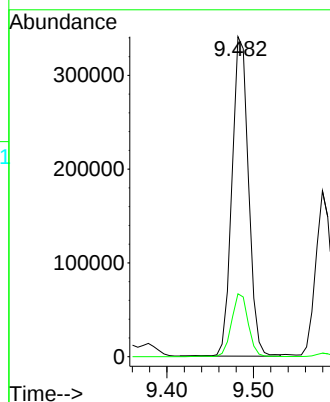
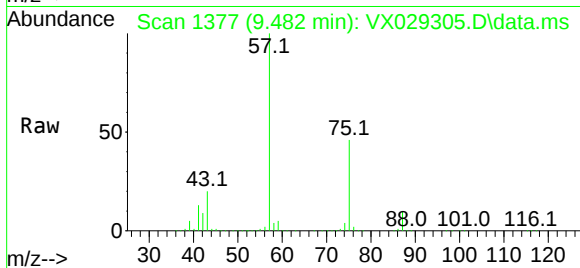
PB145355ZHE#09

Tgt Ion: 43 Resp: 450865

Ion Ratio Lower Upper

43 100

58 19.7 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 34.986 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX029305.D

Acq: 08 Jun 2022 03:50

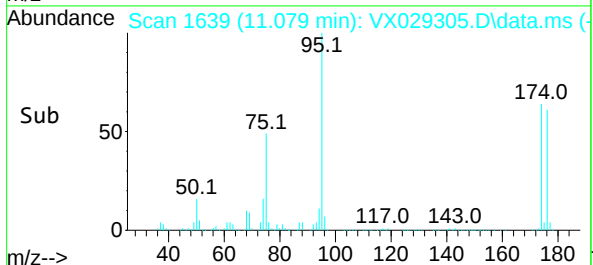
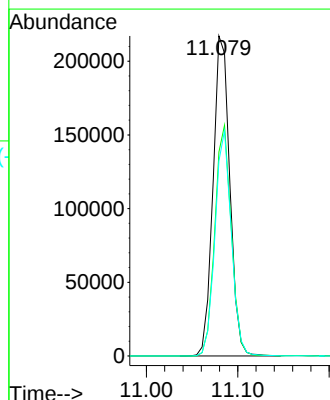
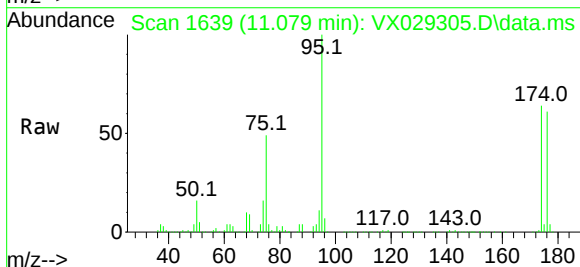
Tgt Ion: 95 Resp: 275953

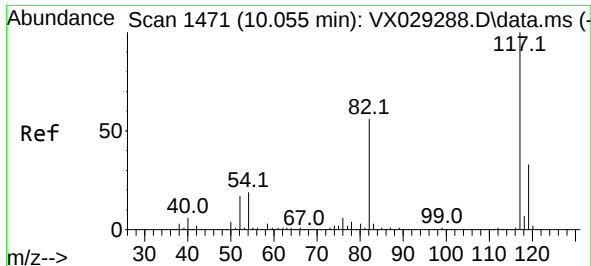
Ion Ratio Lower Upper

95 100

174 71.0 0.0 163.0

176 68.7 0.0 155.0

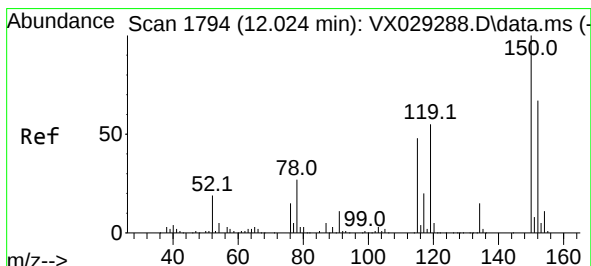
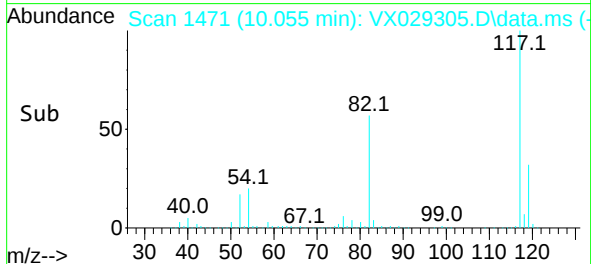
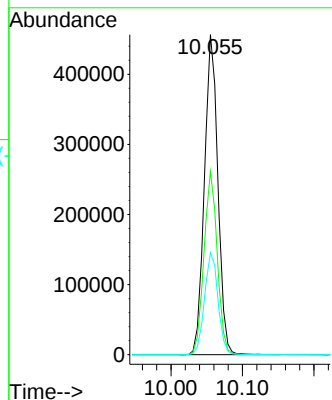
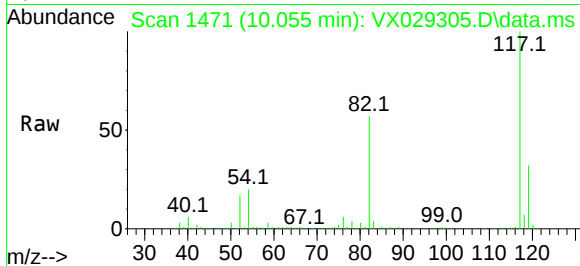




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

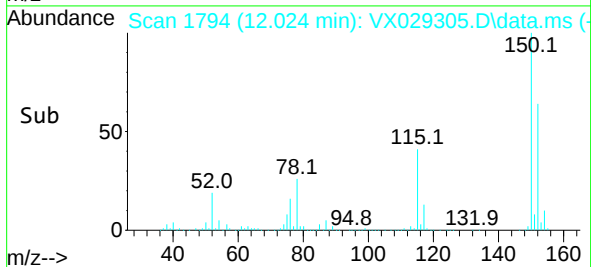
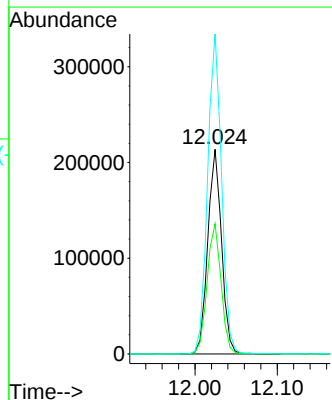
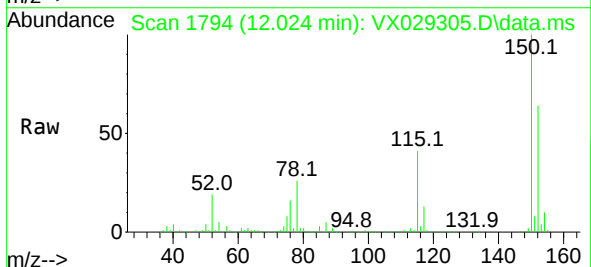
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#09

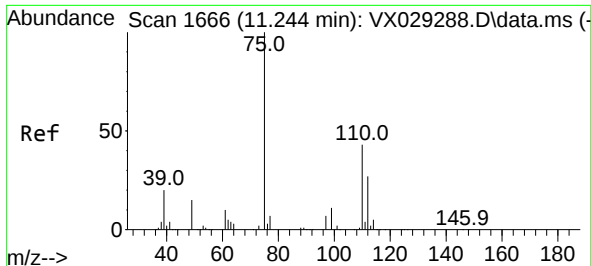
Tgt Ion:117 Resp: 597068
Ion Ratio Lower Upper
117 100
82 57.2 41.8 62.8
119 31.9 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

Tgt Ion:152 Resp: 248747
Ion Ratio Lower Upper
152 100
115 64.4 37.5 112.7
150 158.6 0.0 338.2

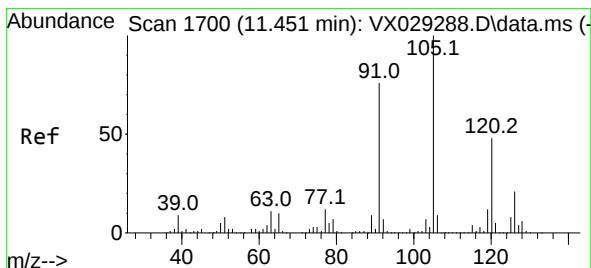
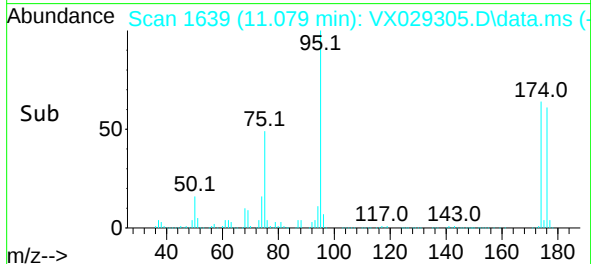
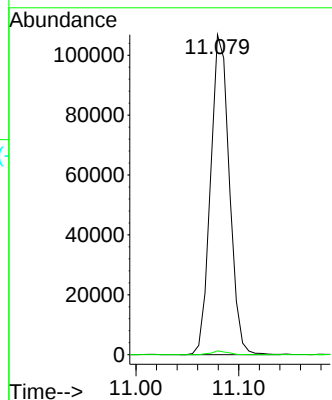
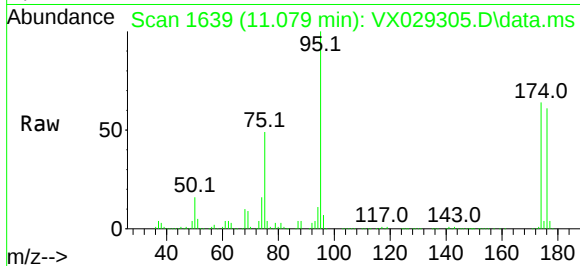




#76
1,2,3-Trichloropropane
Concen: 23.360 ug/l
RT: 11.079 min Scan# 110
Delta R.T. -0.165 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

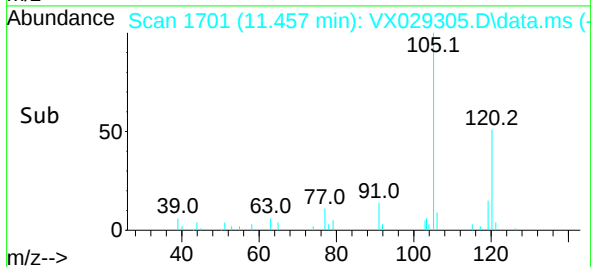
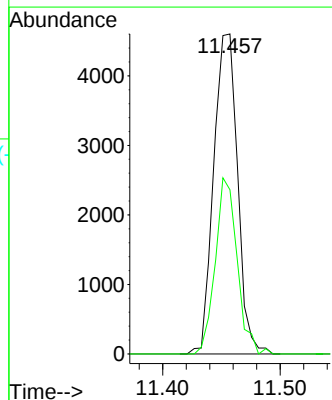
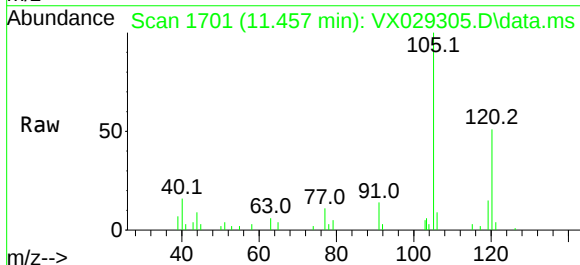
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#09

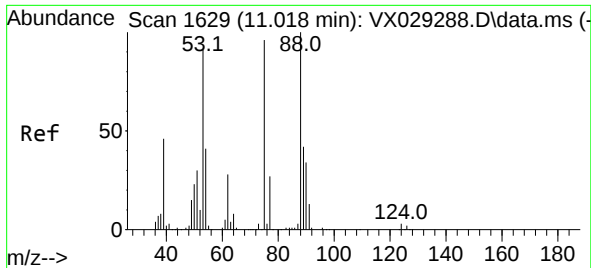
Tgt Ion: 75 Resp: 135723
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.392 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX029305.D
Acq: 08 Jun 2022 03:50

Tgt Ion:105 Resp: 6510
Ion Ratio Lower Upper
105 100
120 50.4 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.650 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029305.D
 Acq: 08 Jun 2022 03:50

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#09

Tgt Ion: 75 Resp: 135723
 Ion Ratio Lower Upper
 75 100
 53 0.1 69.0 103.4#
 89 0.0 37.0 55.6#

