

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012022\
 Data File : VX026529.D
 Acq On : 20 Jan 2022 13:34
 Operator : JC/MD
 Sample : PB142135ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142135ZHE#03

Quant Time: Jan 21 04:04:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	133556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227454	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84321	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	91919	49.268	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.540%
35) Dibromofluoromethane	5.391	113	72332	49.245	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.480%
50) Toluene-d8	8.652	98	265927	50.241	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.480%
62) 4-Bromofluorobenzene	11.085	95	94295	50.149	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.300%

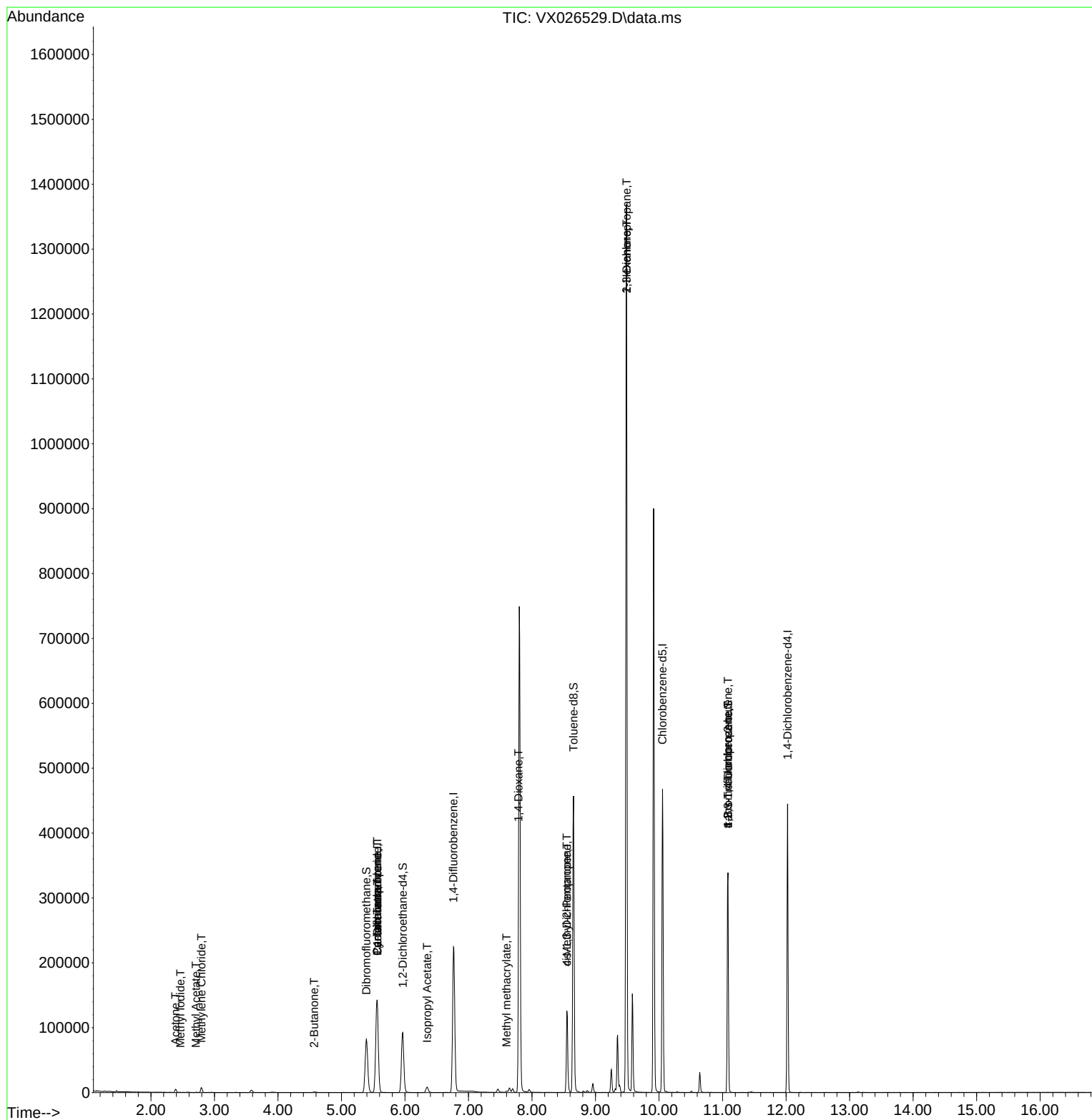
Target Compounds					Qvalue	
10) Methyl Iodide	2.465	142	258	4.595	ug/l #	69
16) Acetone	2.385	43	5790	6.086	ug/l	98
18) Methyl Acetate	2.708	43	616	0.326	ug/l #	79
20) Methylene Chloride	2.794	84	3416	2.173	ug/l	97
25) 2-Butanone	4.568	43	570	0.461	ug/l	97
31) Cyclohexane	5.562	56	2773	1.008	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10540	4.546	ug/l #	51
38) Carbon Tetrachloride	5.562	117	14389	6.033	ug/l #	17
43) Isopropyl Acetate	6.348	43	11882	3.136	ug/l	99
48) Methyl methacrylate	7.598	41	3579	1.906	ug/l #	16
49) 1,4-Dioxane	7.787	88	24	0.779	ug/l #	22
51) 4-Methyl-2-Pentanone	8.549	43	44272	19.700	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	19651	8.029	ug/l #	59
57) 1,3-Dichloropropane	9.488	76	11608	4.365	ug/l #	43
59) 2-Hexanone	9.488	43	167575	97.424	ug/l #	52
76) 1,2,3-Trichloropropane	11.085	75	48504	26.126	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.085	75	48504	79.188	ug/l #	4

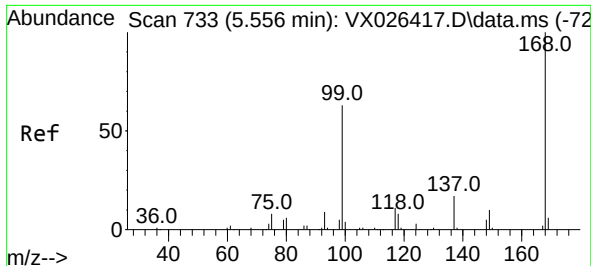
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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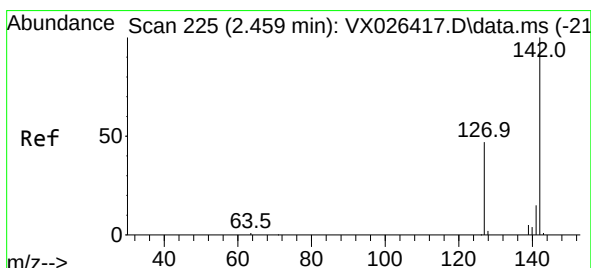
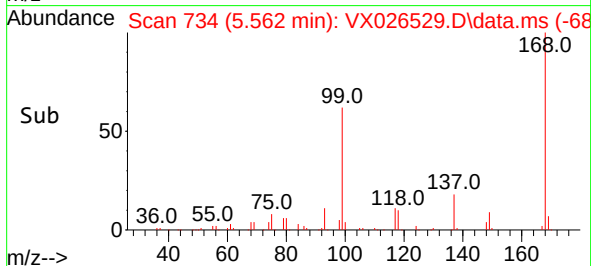
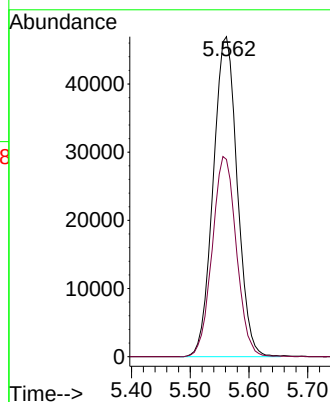
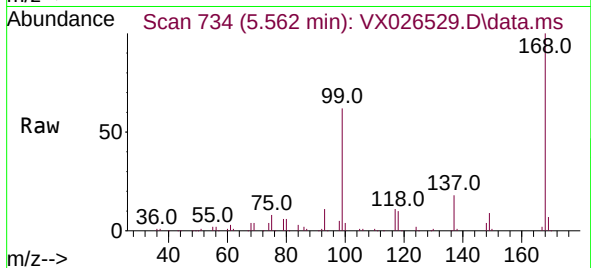




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

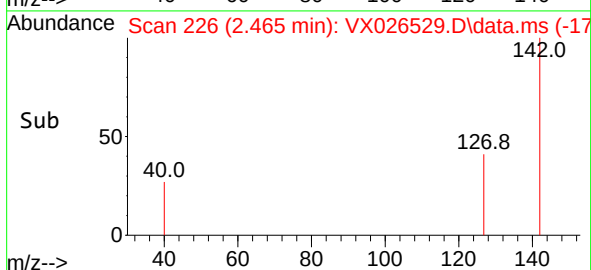
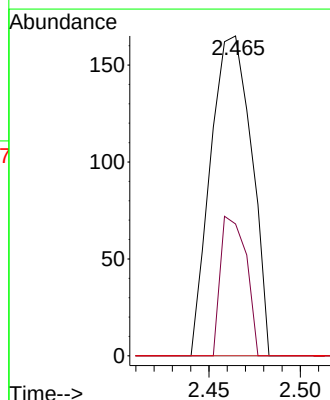
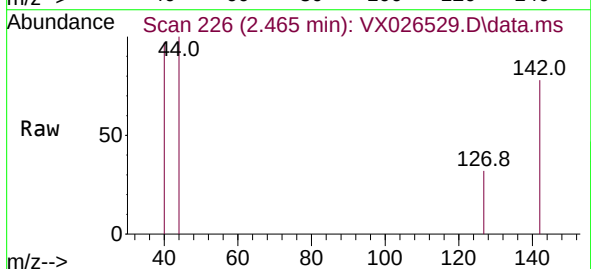
Instrument :
MSVOA_X
ClientSampleId :
PB142135ZHE#03

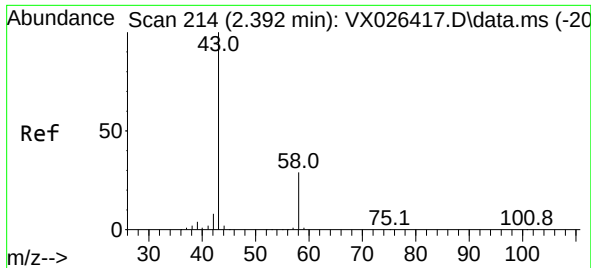
Tgt Ion:168 Resp: 133556
Ion Ratio Lower Upper
168 100
99 61.7 50.3 75.5



#10
Methyl Iodide
Concen: 4.595 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

Tgt Ion:142 Resp: 258
Ion Ratio Lower Upper
142 100
127 27.1 38.1 57.1#
141 0.0 11.2 16.8#

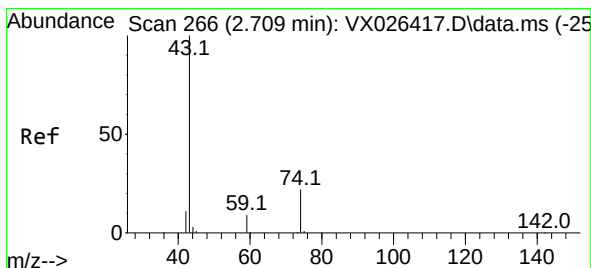
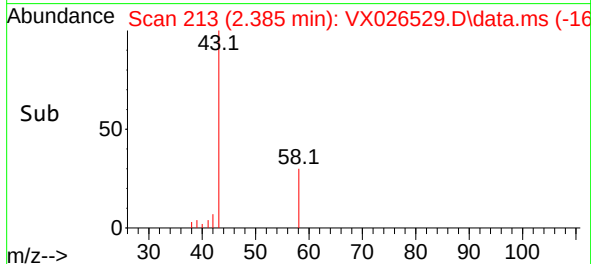
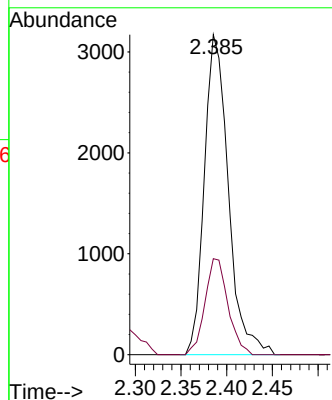
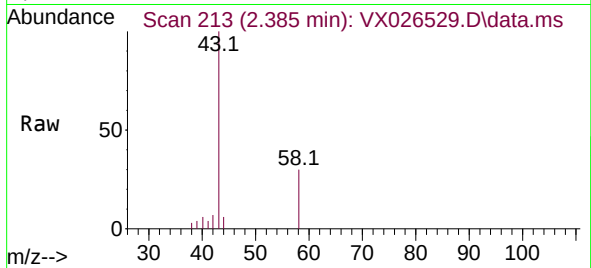




#16
Acetone
Concen: 6.086 ug/l
RT: 2.385 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

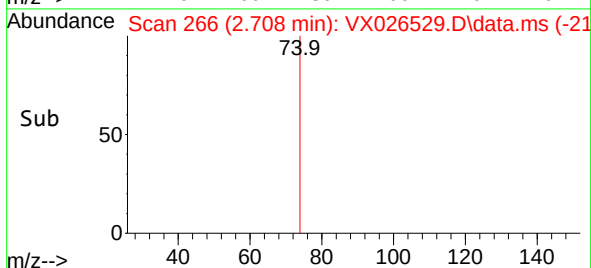
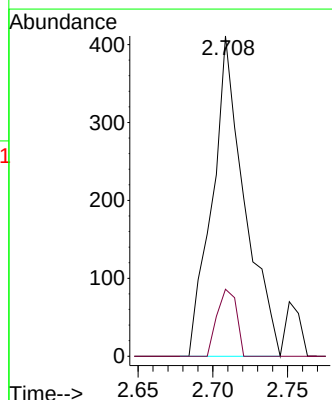
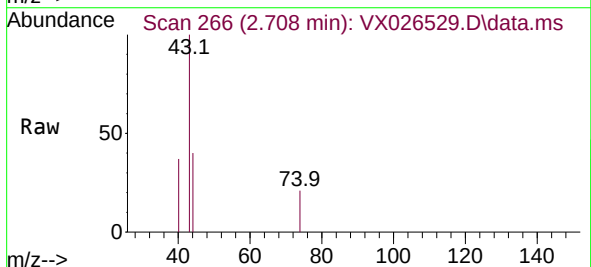
Instrument :
MSVOA_X
ClientSampleId :
PB142135ZHE#03

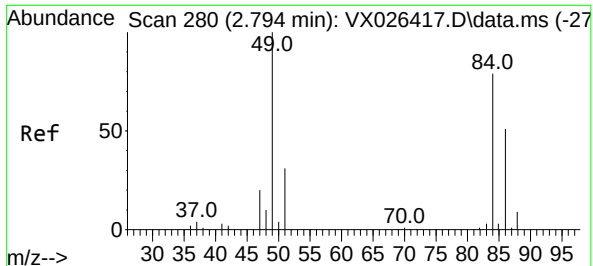
Tgt Ion: 43 Resp: 5790
Ion Ratio Lower Upper
43 100
58 30.0 23.0 34.6



#18
Methyl Acetate
Concen: 0.326 ug/l
RT: 2.708 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
74 12.7 18.3 27.5#





#20

Methylene Chloride

Concen: 2.173 ug/l

RT: 2.794 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX026529.D

Acq: 20 Jan 2022 13:34

Instrument :

MSVOA_X

ClientSampleId :

PB142135ZHE#03

Tgt Ion: 84 Resp: 3416

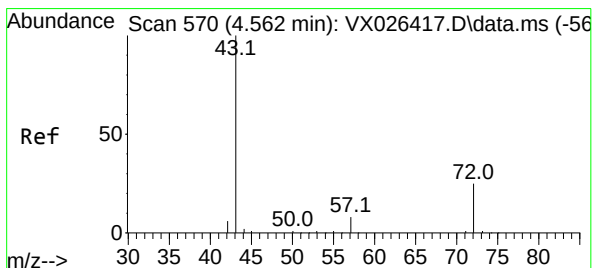
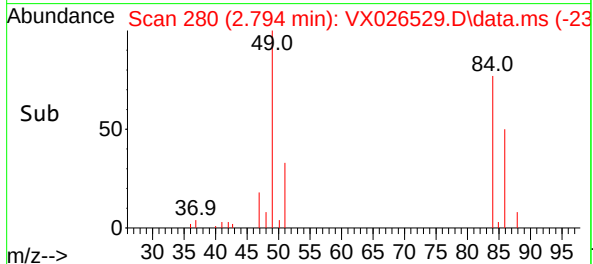
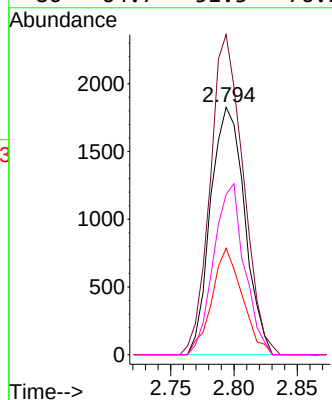
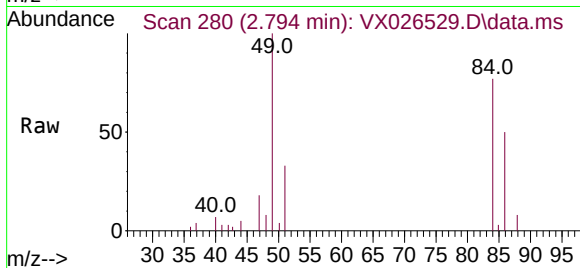
Ion Ratio Lower Upper

84 100

49 129.4 101.5 152.3

51 43.0 31.2 46.8

86 64.7 51.3 76.9



#25

2-Butanone

Concen: 0.461 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX026529.D

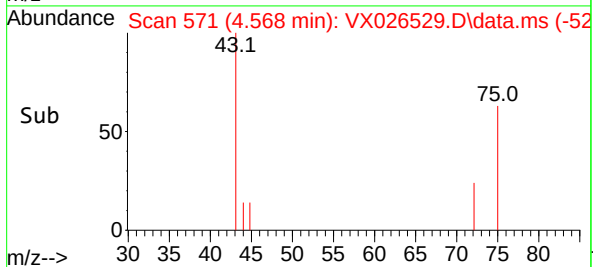
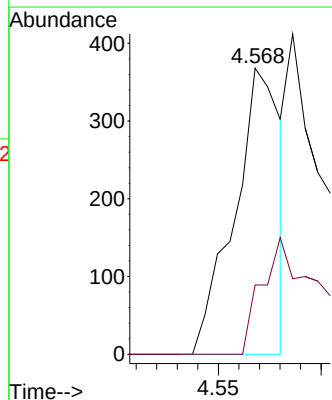
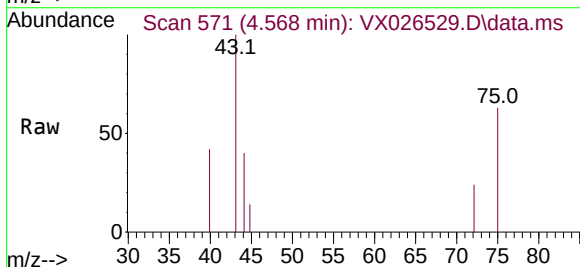
Acq: 20 Jan 2022 13:34

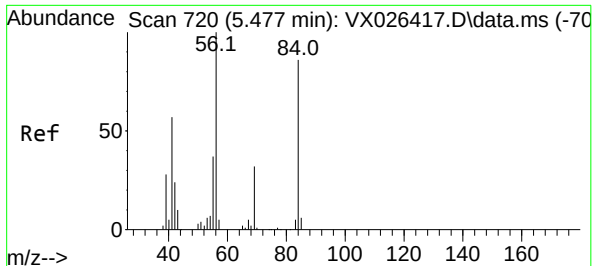
Tgt Ion: 43 Resp: 570

Ion Ratio Lower Upper

43 100

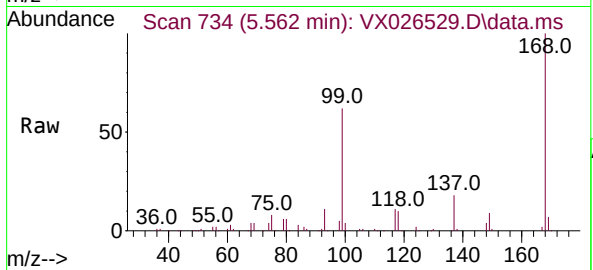
72 24.2 20.4 30.6





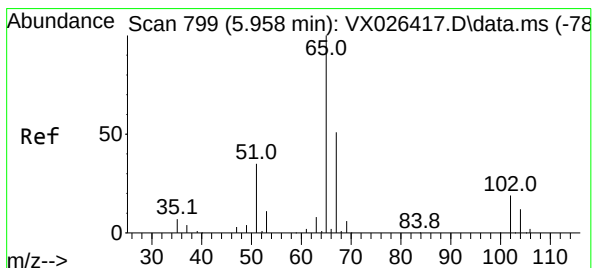
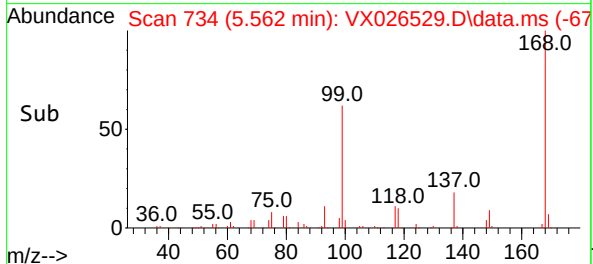
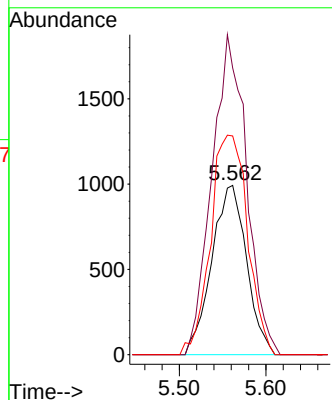
#31
Cyclohexane
Concen: 1.008 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

Instrument :
MSVOA_X
ClientSampleId :
PB142135ZHE#03



Tgt Ion: 56 Resp: 2773

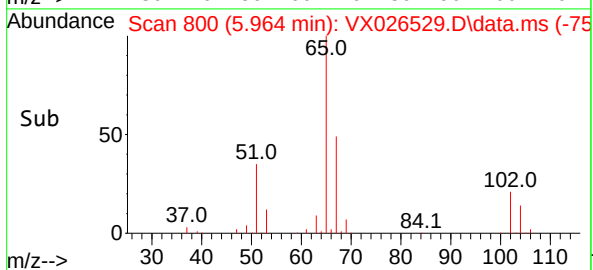
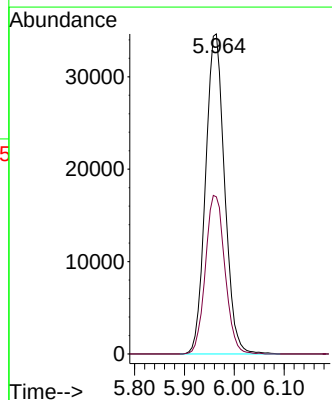
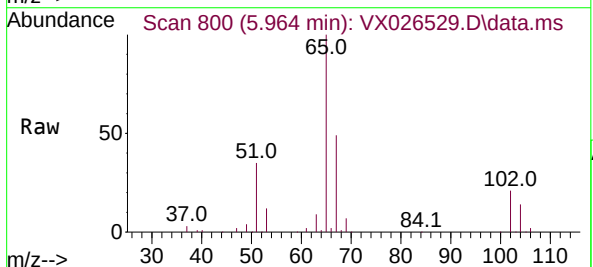
Ion	Ratio	Lower	Upper
56	100		
69	169.3	25.8	38.6#
84	129.1	68.9	103.3#

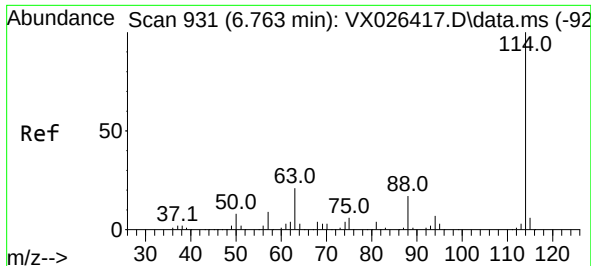


#33
1,2-Dichloroethane-d4
Concen: 49.268 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

Tgt Ion: 65 Resp: 91919

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	100.8

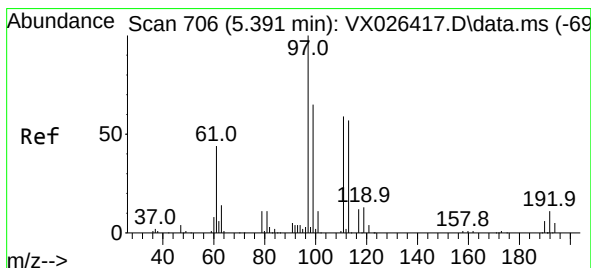
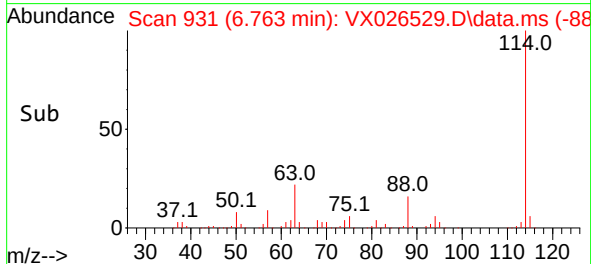
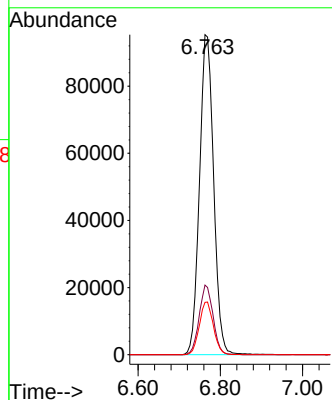
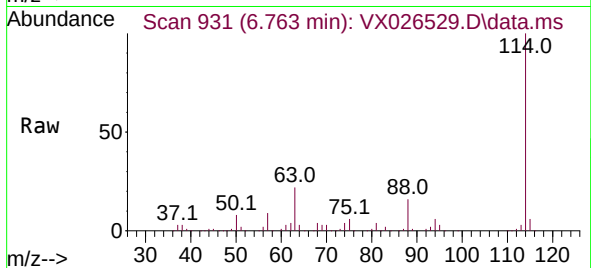




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

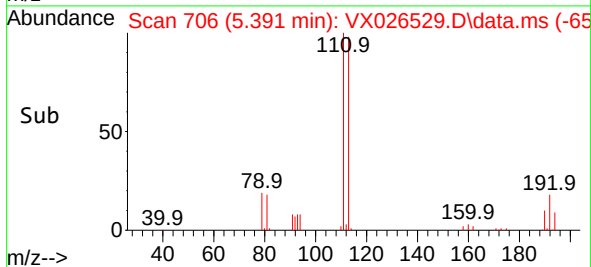
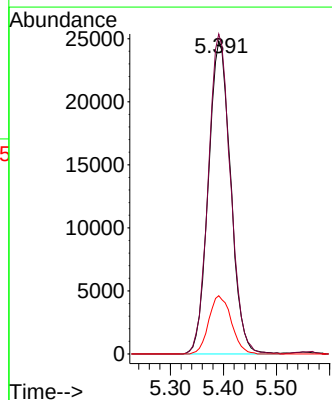
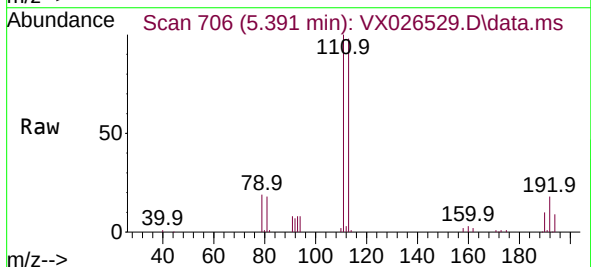
Instrument :
MSVOA_X
ClientSampleId :
PB142135ZHE#03

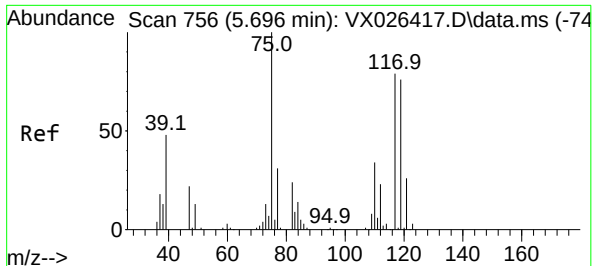
Tgt Ion:114 Resp: 227454
Ion Ratio Lower Upper
114 100
63 21.7 0.0 42.8
88 16.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.245 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

Tgt Ion:113 Resp: 72332
Ion Ratio Lower Upper
113 100
111 102.0 81.2 121.8
192 18.8 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.546 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX026529.D

Acq: 20 Jan 2022 13:34

Instrument :

MSVOA_X

ClientSampleId :

PB142135ZHE#03

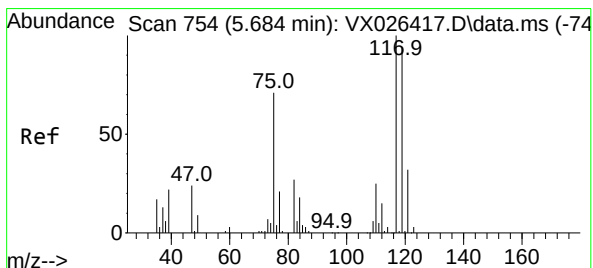
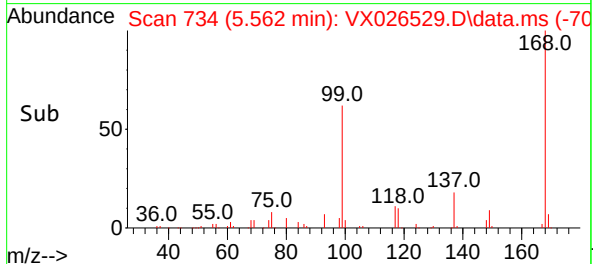
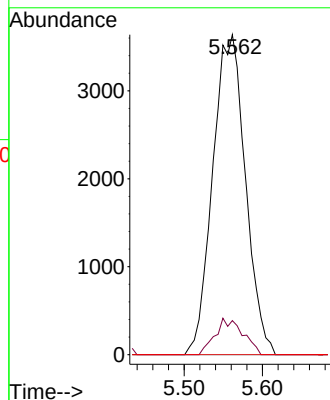
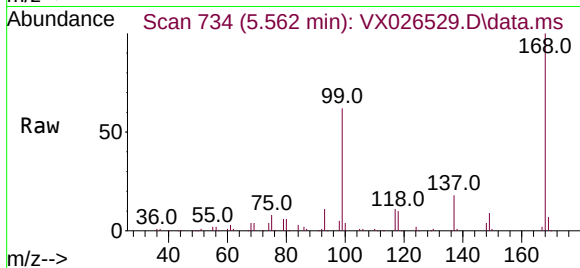
Tgt Ion: 75 Resp: 10540

Ion Ratio Lower Upper

75 100

110 9.6 17.2 51.6#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.033 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX026529.D

Acq: 20 Jan 2022 13:34

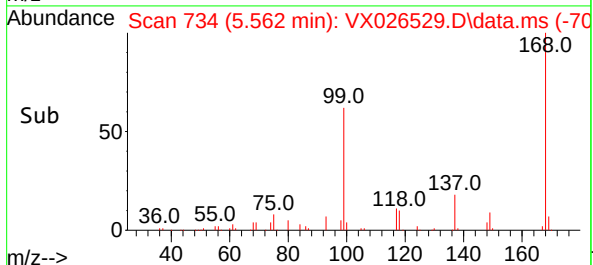
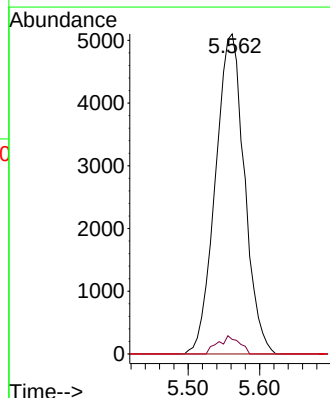
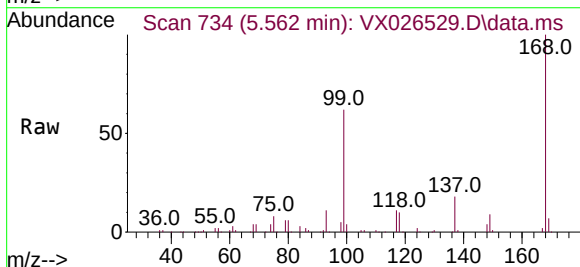
Tgt Ion: 117 Resp: 14389

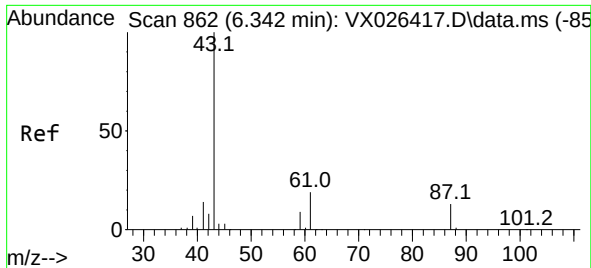
Ion Ratio Lower Upper

117 100

119 4.5 74.7 112.1#

121 0.0 25.4 38.0#

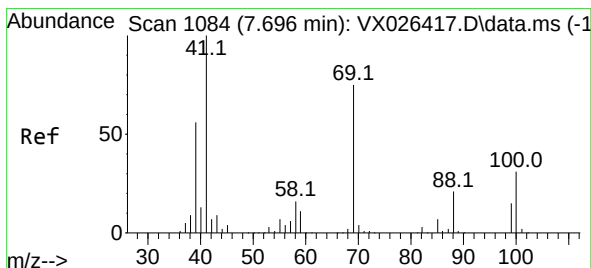
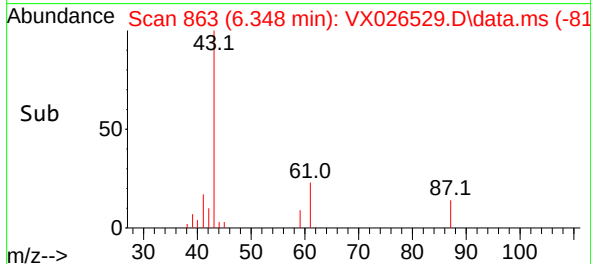
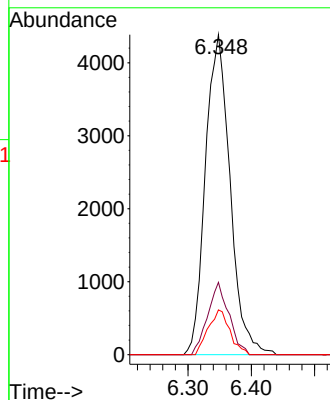
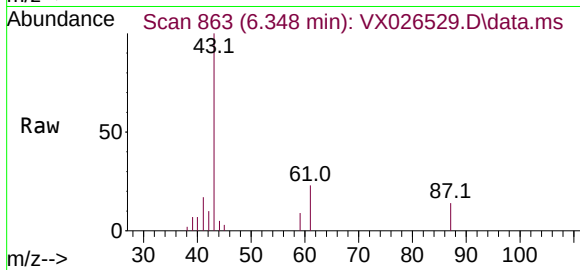




#43
Isopropyl Acetate
Concen: 3.136 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

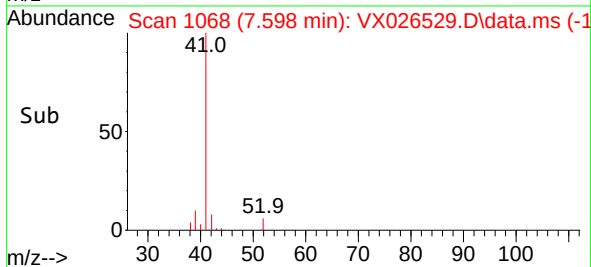
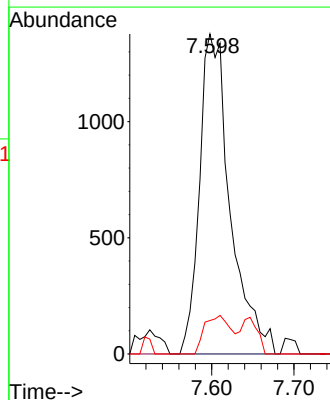
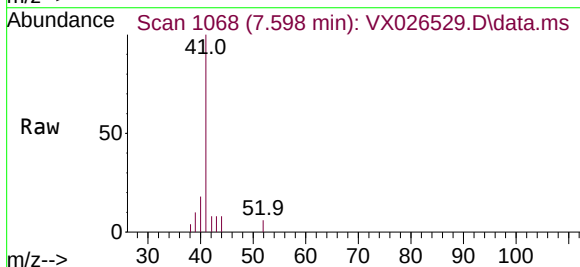
Instrument :
MSVOA_X
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PB142135ZHE#03

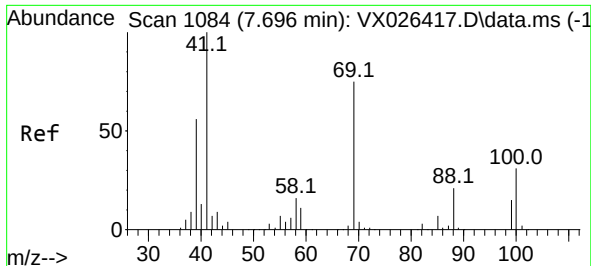
Tgt Ion: 43 Resp: 11882
Ion Ratio Lower Upper
43 100
61 19.5 15.4 23.0
87 12.3 10.2 15.2



#48
Methyl methacrylate
Concen: 1.906 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

Tgt Ion: 41 Resp: 3579
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 0.0 45.4 68.0#





#49

1,4-Dioxane

Concen: 0.779 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.091 min

Lab File: VX026529.D

Acq: 20 Jan 2022 13:34

Instrument :

MSVOA_X

ClientSampleId :

PB142135ZHE#03

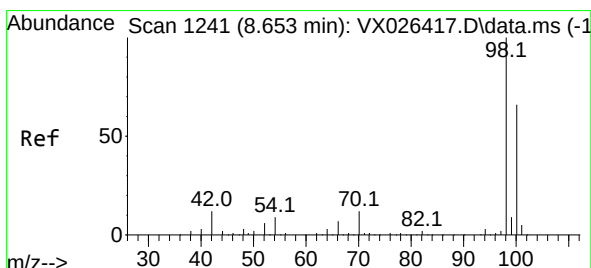
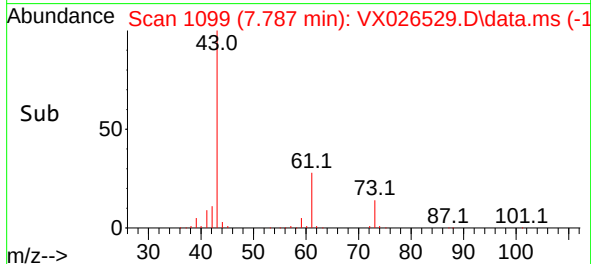
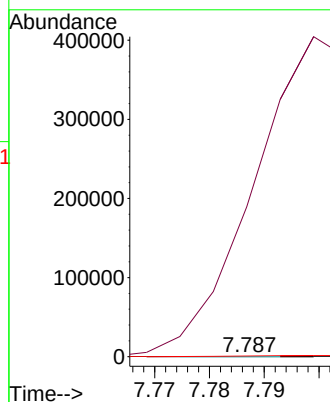
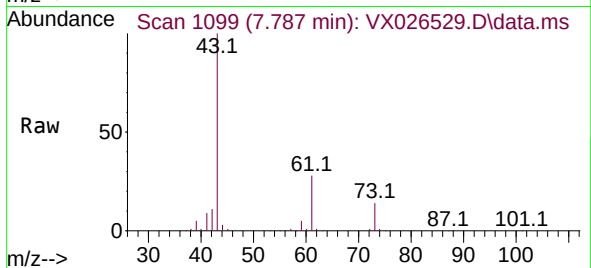
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

58 0.0 57.8 86.6#



#50

Toluene-d8

Concen: 50.241 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026529.D

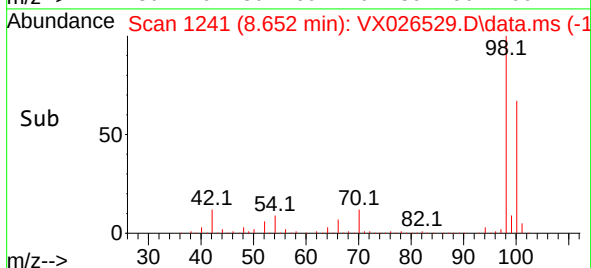
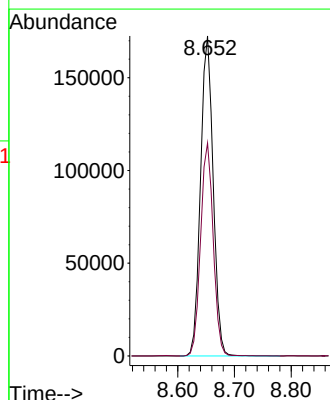
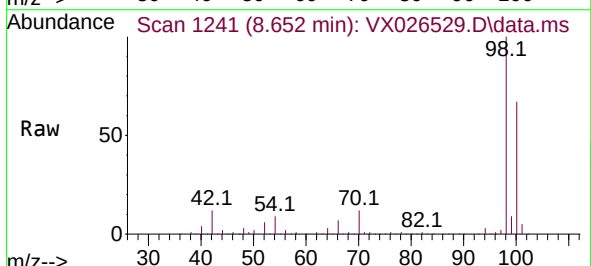
Acq: 20 Jan 2022 13:34

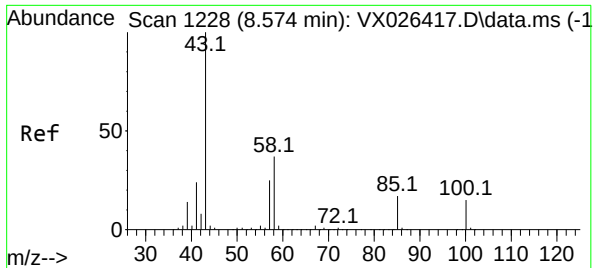
Tgt Ion: 98 Resp: 265927

Ion Ratio Lower Upper

98 100

100 66.7 53.2 79.8

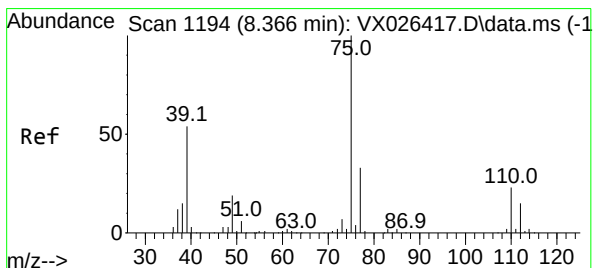
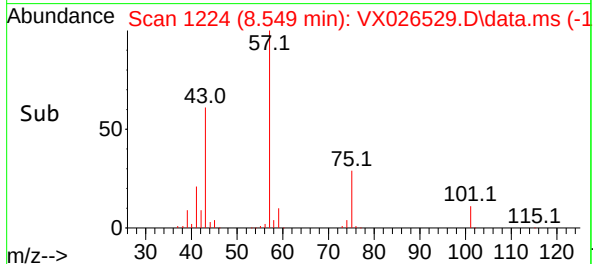
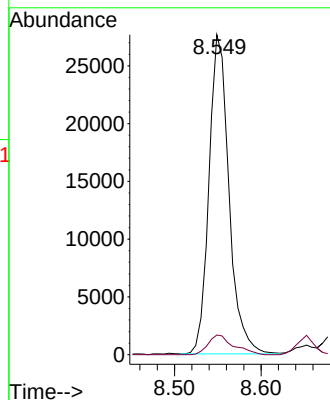
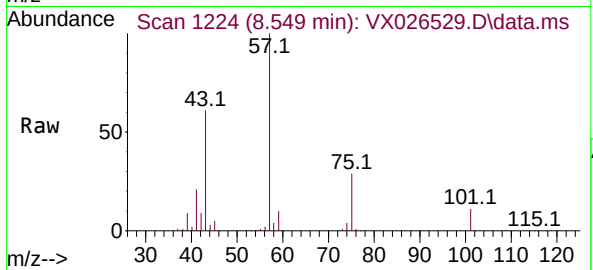




#51
4-Methyl-2-Pentanone
Concen: 19.700 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

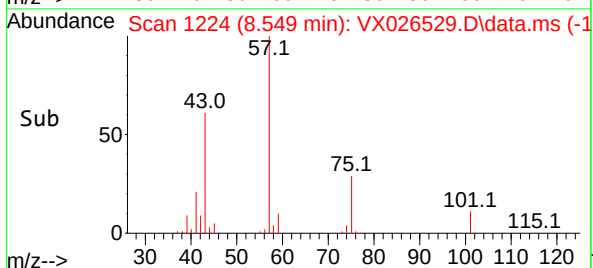
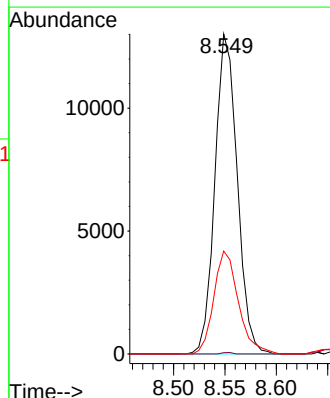
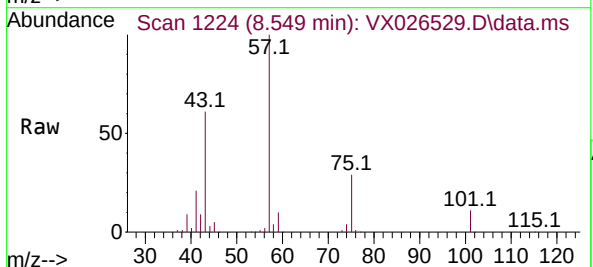
Instrument :
MSVOA_X
ClientSampleId :
PB142135ZHE#03

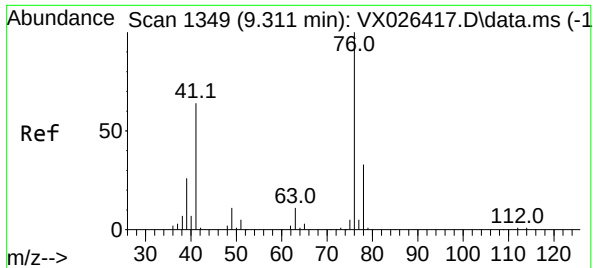
Tgt Ion: 43 Resp: 44272
Ion Ratio Lower Upper
43 100
58 7.8 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 8.029 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

Tgt Ion: 75 Resp: 19651
Ion Ratio Lower Upper
75 100
77 0.4 26.2 39.2#
39 32.1 43.5 65.3#





#57

1,3-Dichloropropane

Concen: 4.365 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.176 min

Lab File: VX026529.D

Acq: 20 Jan 2022 13:34

Instrument :

MSVOA_X

ClientSampleId :

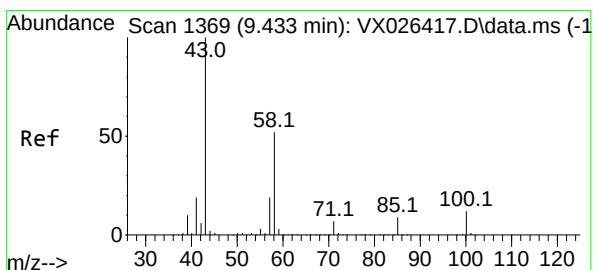
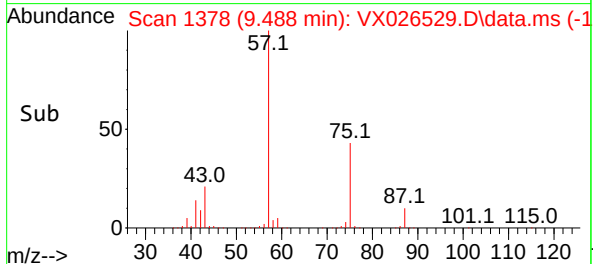
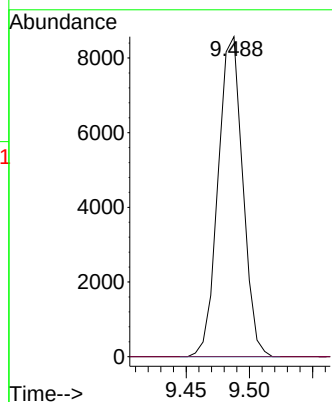
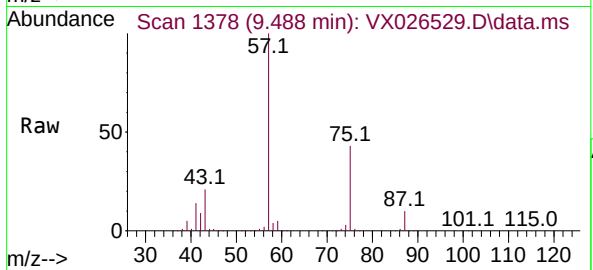
PB142135ZHE#03

Tgt Ion: 76 Resp: 11608

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 97.424 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX026529.D

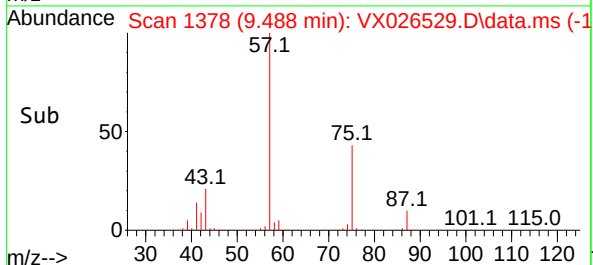
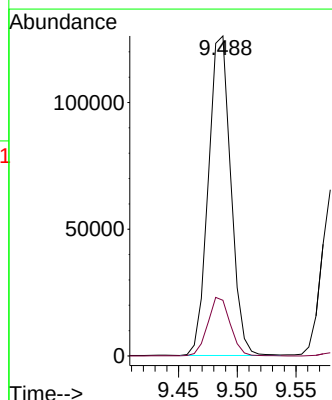
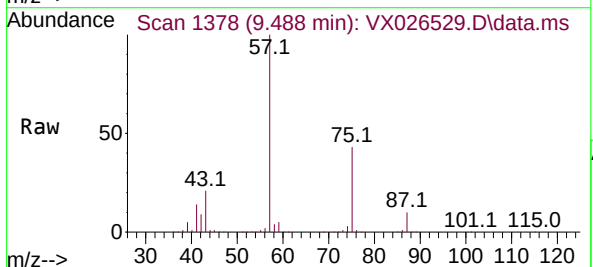
Acq: 20 Jan 2022 13:34

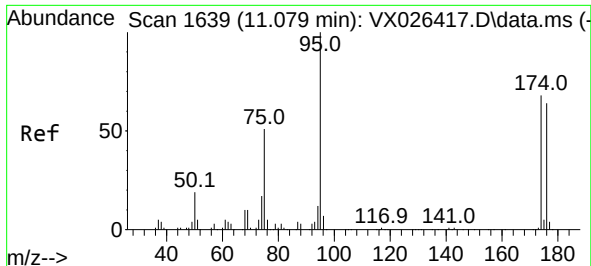
Tgt Ion: 43 Resp: 167575

Ion Ratio Lower Upper

43 100

58 18.5 26.4 79.2#

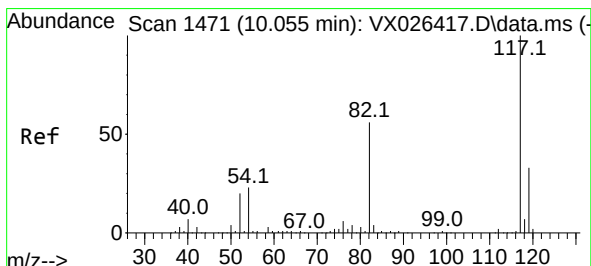
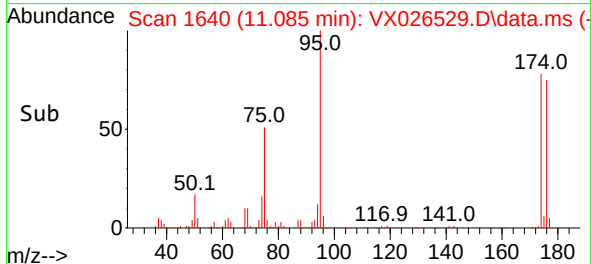
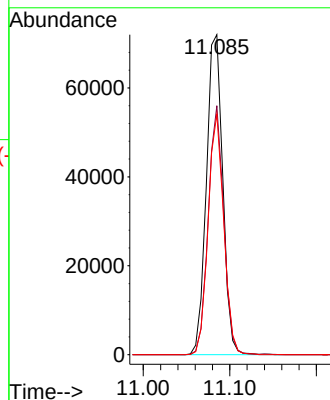
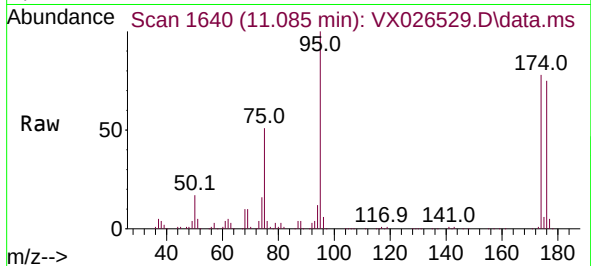




#62
4-Bromofluorobenzene
Concen: 50.149 ug/l
RT: 11.085 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

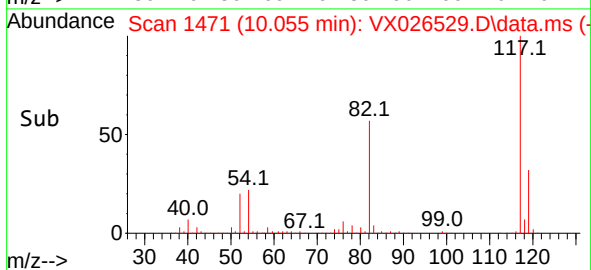
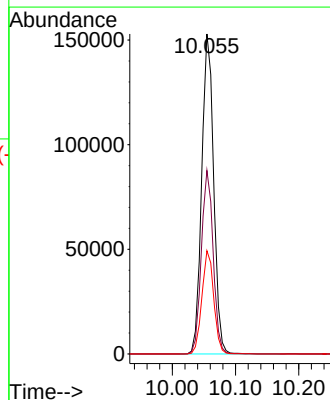
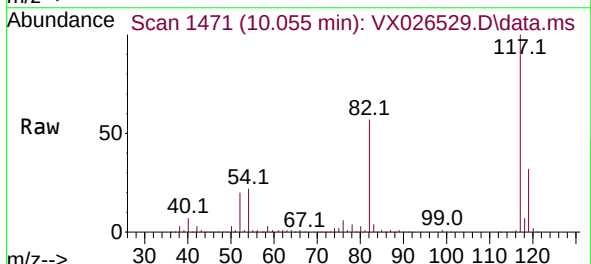
Instrument :
MSVOA_X
ClientSampleId :
PB142135ZHE#03

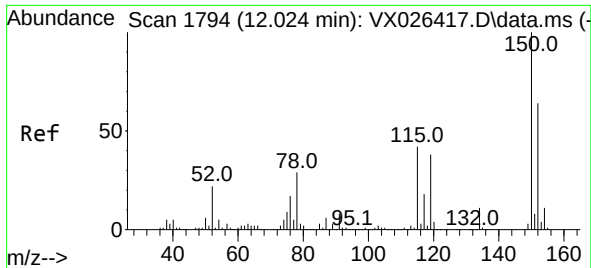
Tgt Ion: 95 Resp: 94295
Ion Ratio Lower Upper
95 100
174 73.7 0.0 148.6
176 71.9 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026529.D
Acq: 20 Jan 2022 13:34

Tgt Ion: 117 Resp: 201281
Ion Ratio Lower Upper
117 100
82 57.3 45.2 67.8
119 32.2 26.2 39.2

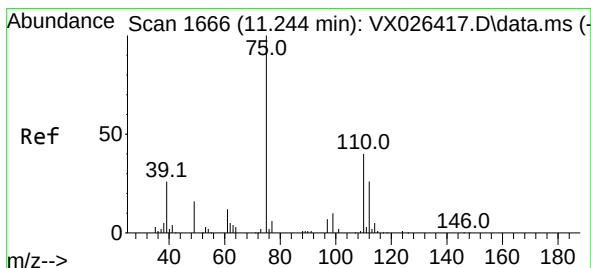
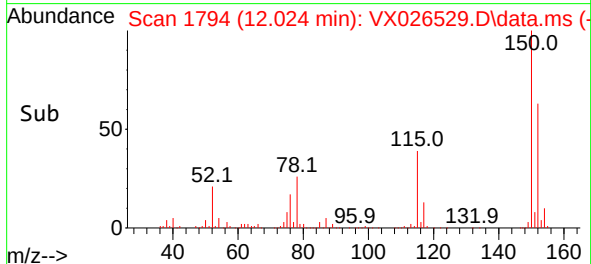
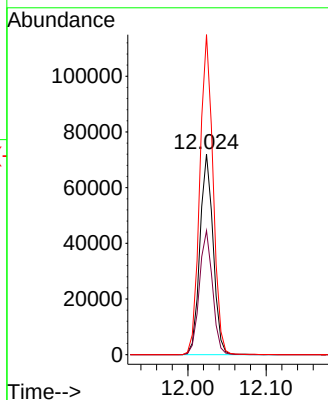
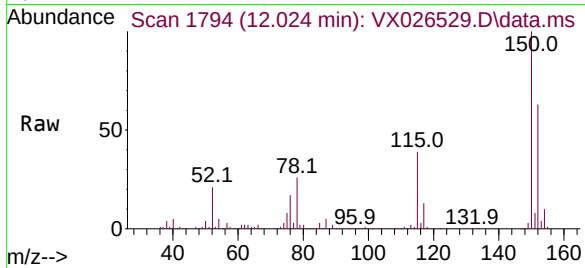




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX026529.D
 Acq: 20 Jan 2022 13:34

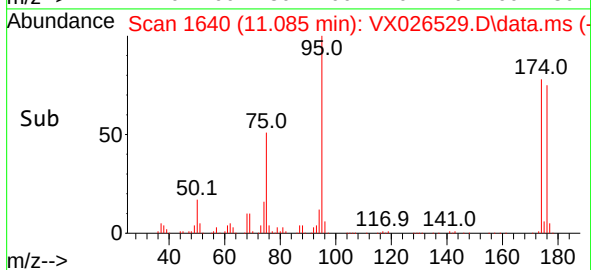
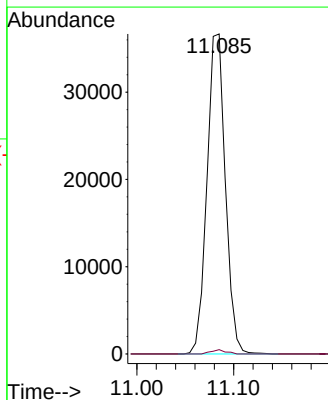
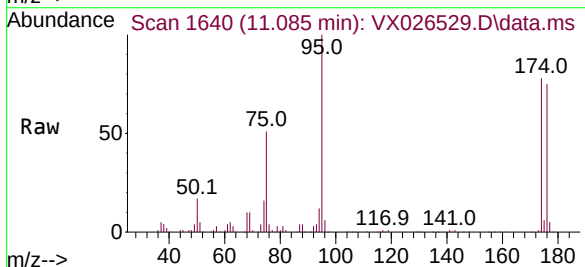
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142135ZHE#03

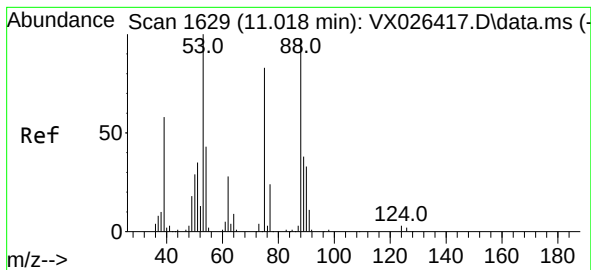
Tgt Ion:152 Resp: 84321
 Ion Ratio Lower Upper
 152 100
 115 61.6 44.2 132.6
 150 159.7 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 26.126 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX026529.D
 Acq: 20 Jan 2022 13:34

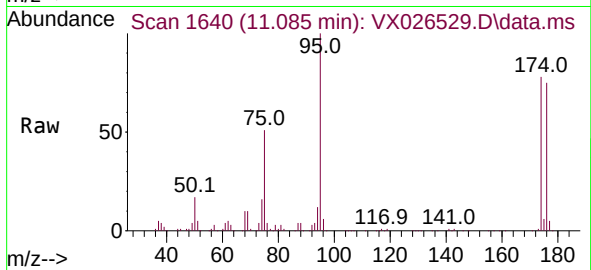
Tgt Ion: 75 Resp: 48504
 Ion Ratio Lower Upper
 75 100
 77 1.1 18.3 54.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.188 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX026529.D
 Acq: 20 Jan 2022 13:34

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142135ZHE#03



Tgt Ion: 75 Resp: 48504
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.1 37.0 55.4#

