

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071321\
 Data File : VX023264.D
 Acq On : 13 Jul 2021 15:16
 Operator : JC/MD
 Sample : M3013-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 14 04:53:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

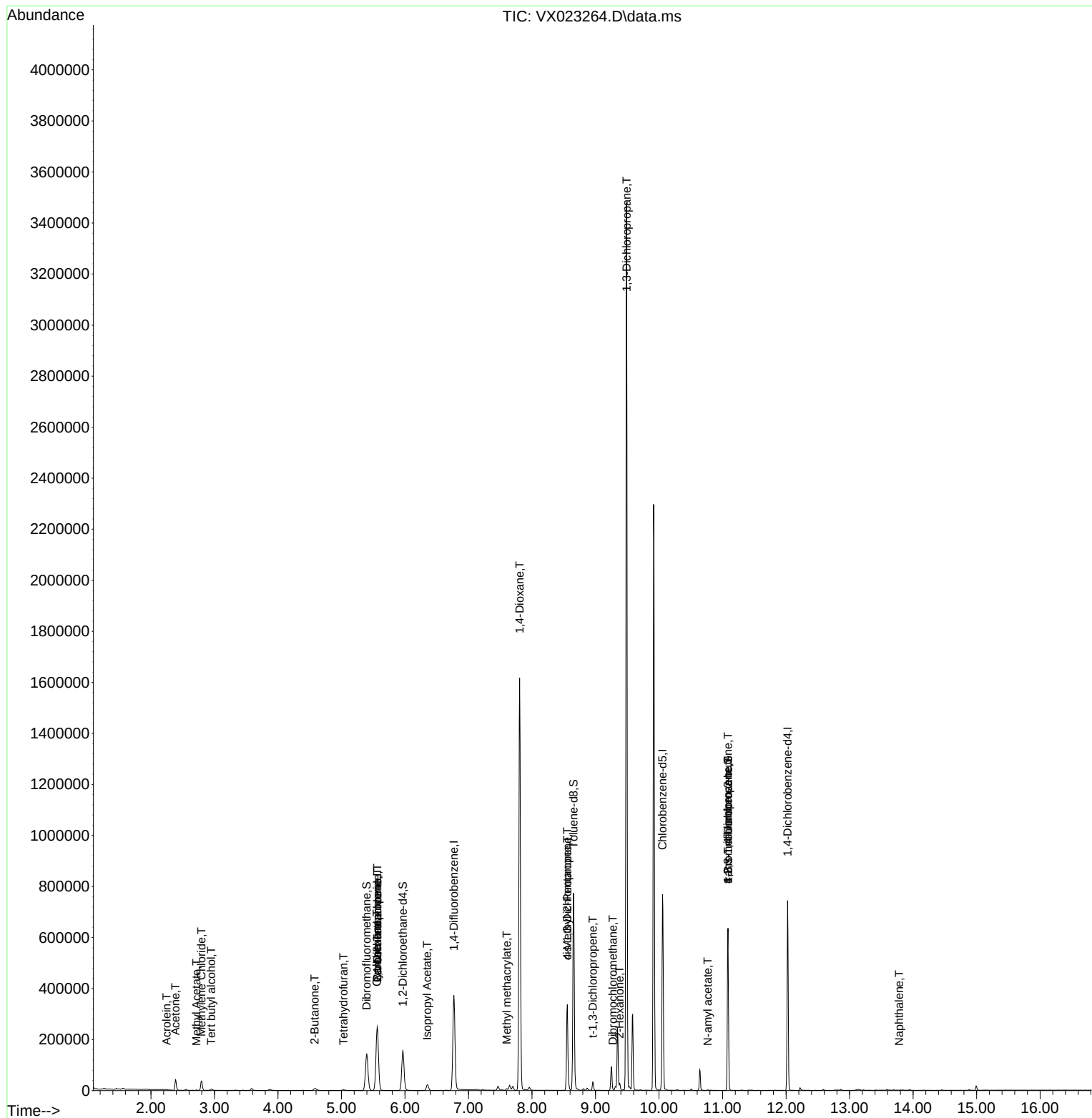
Internal Standards						
1) Pentafluorobenzene	5.562	168	233556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	379904	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	350066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	150178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	156035	49.709	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.420%		
35) Dibromofluoromethane	5.397	113	123319	50.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.540%		
50) Toluene-d8	8.653	98	459572	50.220	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.440%		
62) 4-Bromofluorobenzene	11.085	95	166291	47.069	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.140%		
Target Compounds						
5) Bromomethane	1.617	94	420	Below Cal		87
11) Tert butyl alcohol	2.946	59	3344	5.064	ug/l #	76
13) Acrolein	2.245	56	140	0.318	ug/l #	73
16) Acetone	2.386	43	42595	34.299	ug/l	94
18) Methyl Acetate	2.715	43	2054	0.681	ug/l #	89
20) Methylene Chloride	2.794	84	17486	6.540	ug/l	98
25) 2-Butanone	4.574	43	6656	3.554	ug/l	91
29) Tetrahydrofuran	5.031	42	2509	2.084	ug/l #	75
31) Cyclohexane	5.556	56	4655	1.239	ug/l #	8
36) 1,1-Dichloropropene	5.562	75	17533	5.177	ug/l #	49
38) Carbon Tetrachloride	5.562	117	23805	6.734	ug/l #	16
43) Isopropyl Acetate	6.348	43	30153	4.907	ug/l	96
48) Methyl methacrylate	7.604	41	8978	2.977	ug/l #	10
49) 1,4-Dioxane	7.805	88	240	3.536	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	116530	30.601	ug/l #	45
53) t-1,3-Dichloropropene	8.958	75	61	2.750	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	52851	13.649	ug/l #	63
57) 1,3-Dichloropropane	9.488	76	29651	6.713	ug/l #	43
59) 2-Hexanone	9.378	43	12125	4.150	ug/l #	19
60) Dibromochloromethane	9.275	129	59	3.131	ug/l #	11
74) N-amyl acetate	10.768	43	1137	0.253	ug/l #	46
76) 1,2,3-Trichloropropane	11.085	75	84224	27.869	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	84224	75.169	ug/l #	12
95) Naphthalene	13.780	128	483	1.318	ug/l #	69

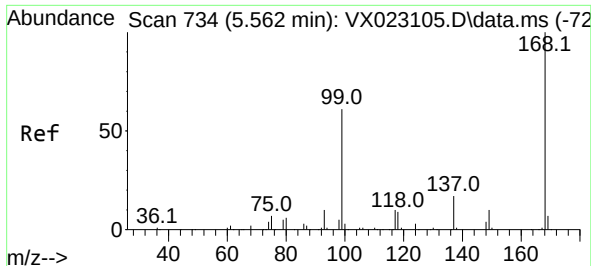
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 02 14:29:42 2021
Response via : Initial Calibration

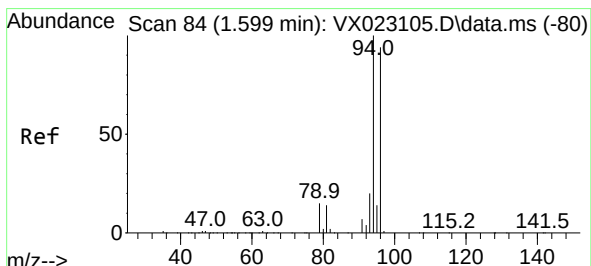
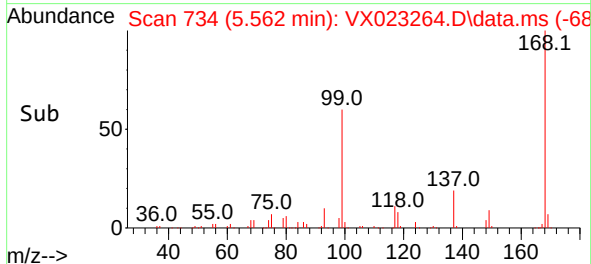
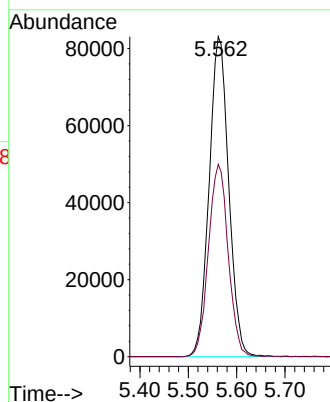
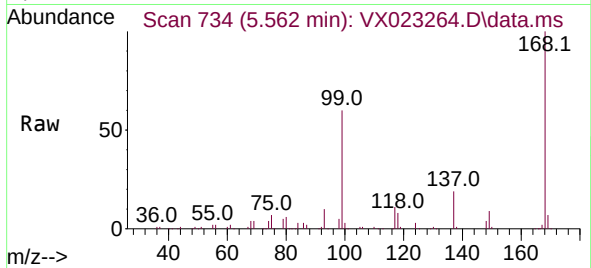




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

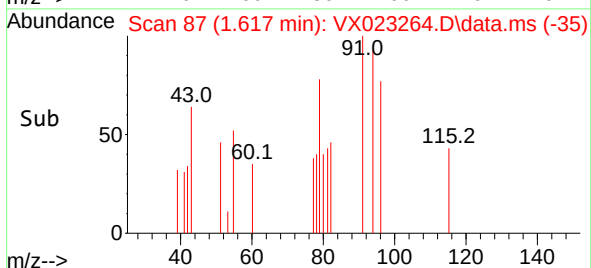
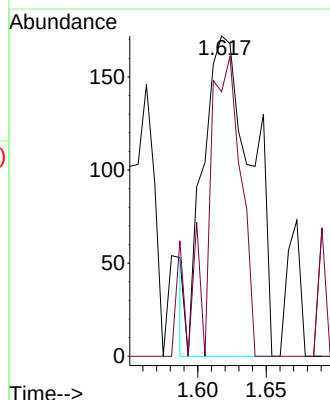
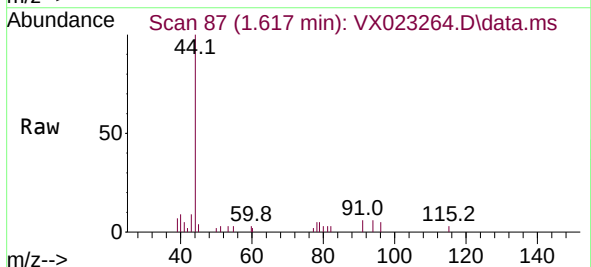
Instrument :
MSVOA_X
ClientSampled :

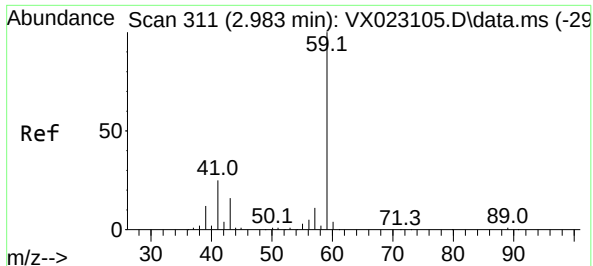
Tgt Ion:168 Resp: 233556
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

Tgt Ion: 94 Resp: 420
Ion Ratio Lower Upper
94 100
96 82.6 76.4 114.6



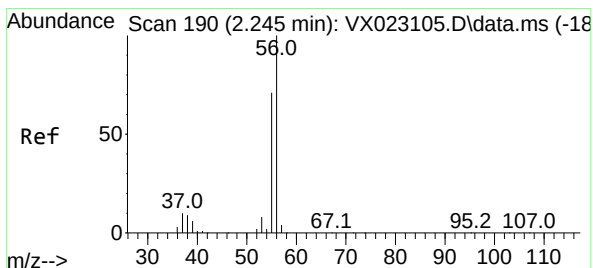
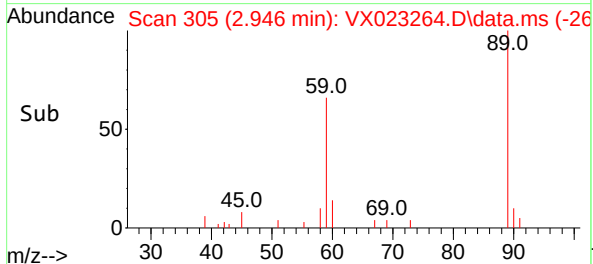
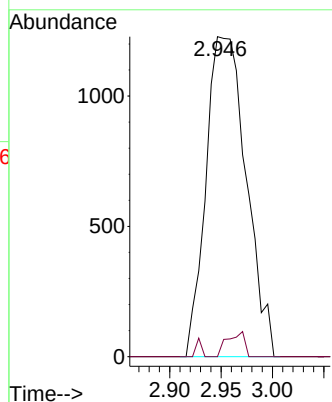
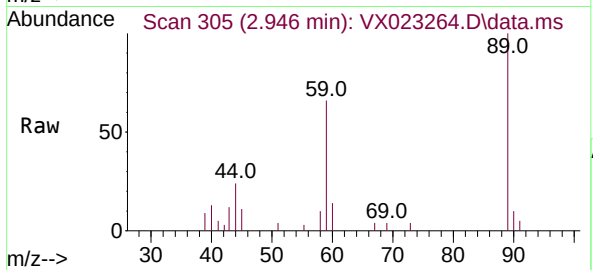


#11

Tert butyl alcohol
Concen: 5.064 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

Instrument :
MSVOA_X
ClientSampled :

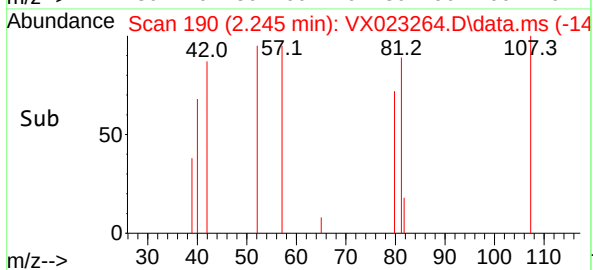
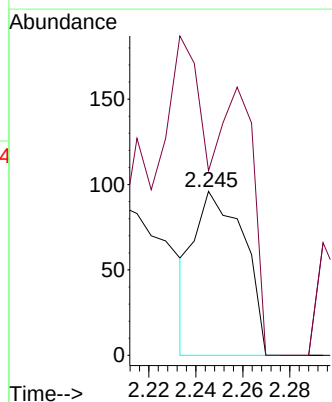
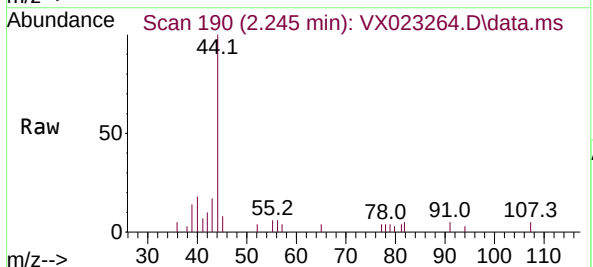
Tgt Ion: 59 Resp: 3344
Ion Ratio Lower Upper
59 100
57 0.8 7.8 11.8#

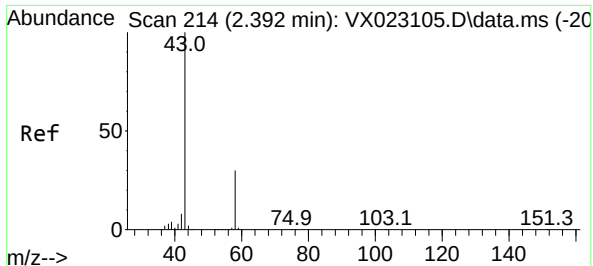


#13

Acrolein
Concen: 0.318 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

Tgt Ion: 56 Resp: 140
Ion Ratio Lower Upper
56 100
55 92.9 56.4 84.6#

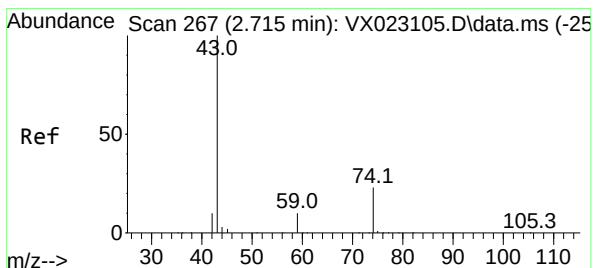
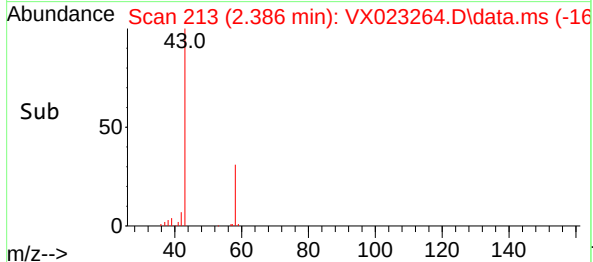
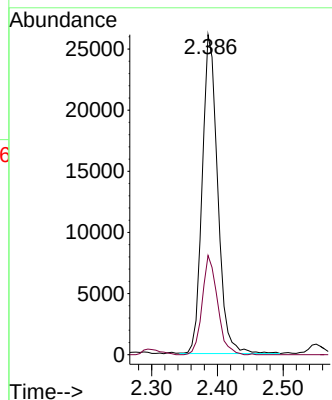
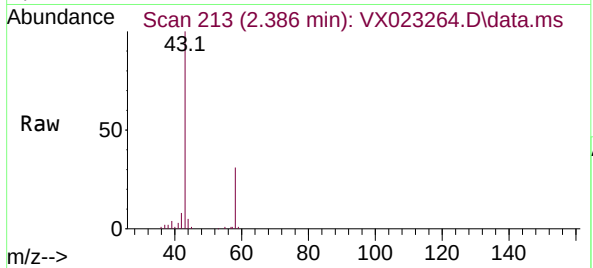




#16
Acetone
Concen: 34.299 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

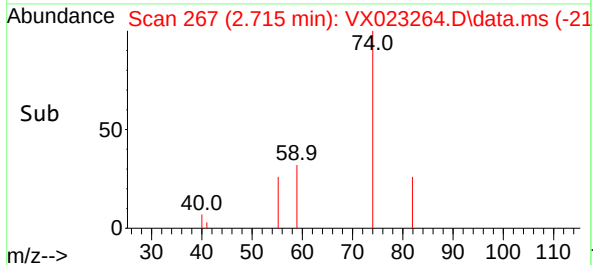
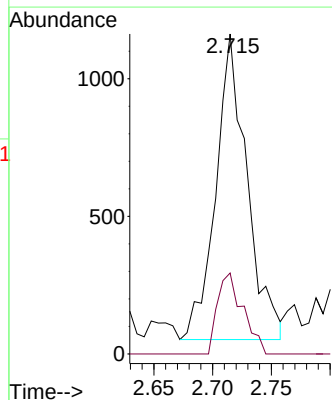
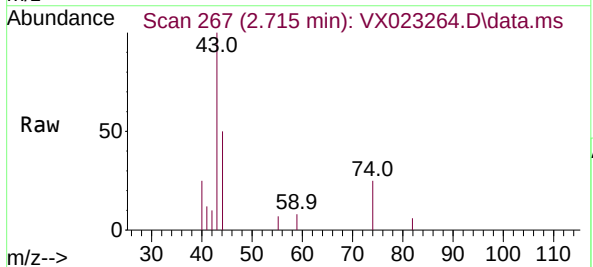
Instrument :
MSVOA_X
ClientSampled :

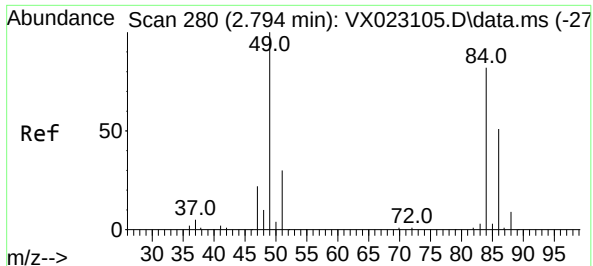
Tgt Ion: 43 Resp: 42595
Ion Ratio Lower Upper
43 100
58 31.1 27.8 41.8



#18
Methyl Acetate
Concen: 0.681 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

Tgt Ion: 43 Resp: 2054
Ion Ratio Lower Upper
43 100
74 21.6 21.9 32.9#

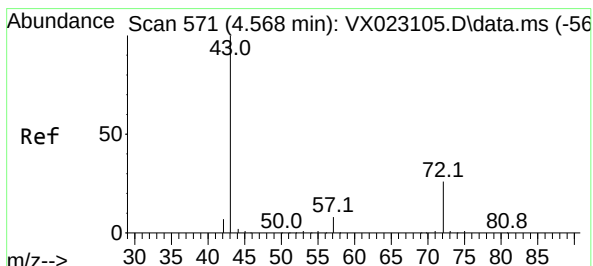
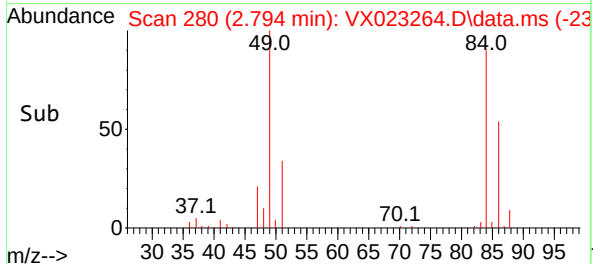
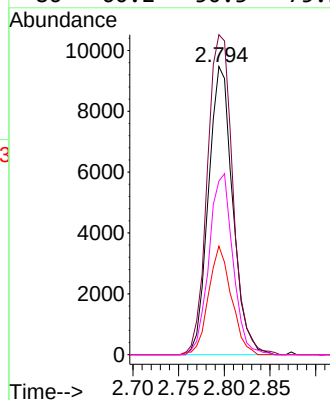
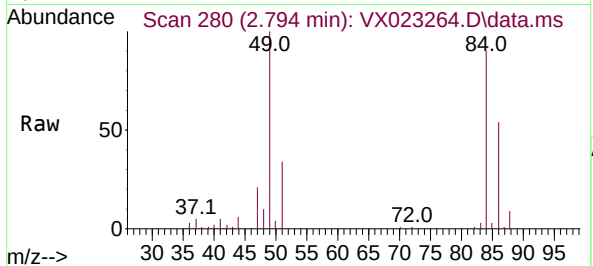




#20
Methylene Chloride
Concen: 6.540 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

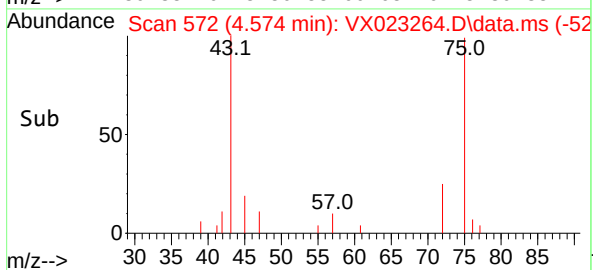
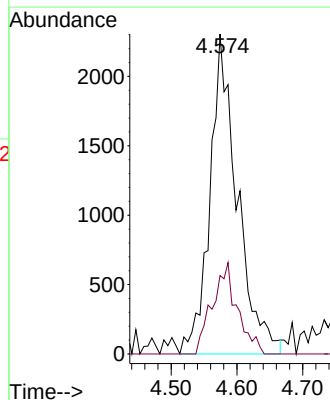
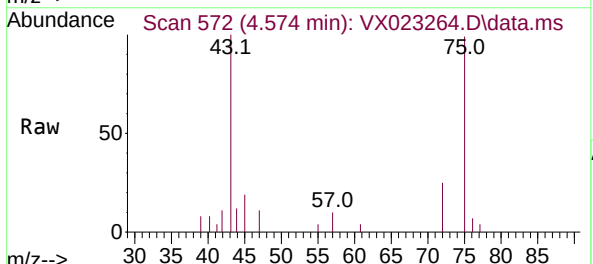
Instrument :
MSVOA_X
ClientSampled :

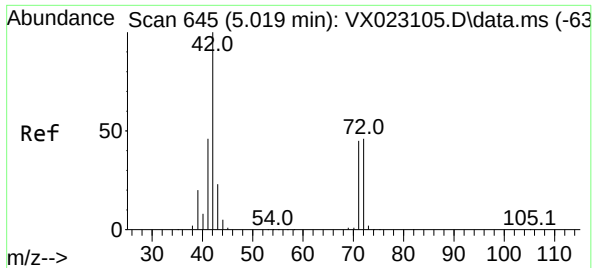
Tgt Ion:	84	Resp:	17486
Ion	Ratio	Lower	Upper
84	100		
49	111.1	88.6	132.8
51	37.6	27.0	40.6
86	60.2	50.3	75.5



#25
2-Butanone
Concen: 3.554 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

Tgt Ion:	43	Resp:	6656
Ion	Ratio	Lower	Upper
43	100		
72	24.5	23.7	35.5





#29

Tetrahydrofuran

Concen: 2.084 ug/l

RT: 5.031 min Scan# 647

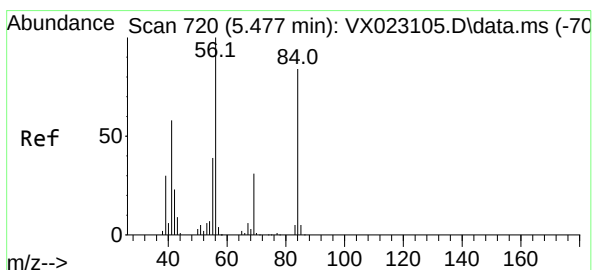
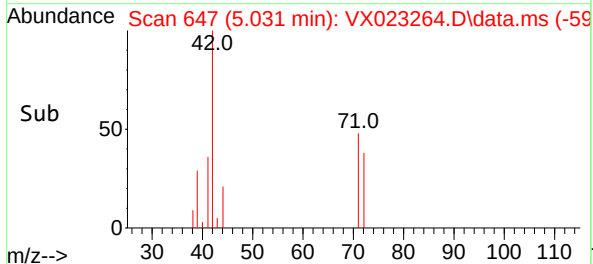
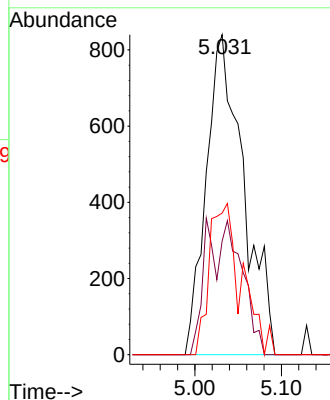
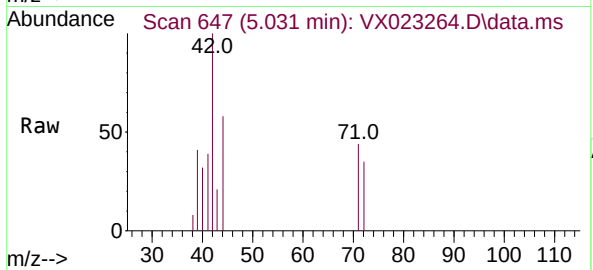
Delta R.T. 0.012 min

Lab File: VX023264.D

Acq: 13 Jul 2021 15:16

Tgt Ion:	42	Resp:	2509
Ion	Ratio	Lower	Upper
42	100		
72	24.9	41.7	62.5#
71	40.8	38.4	57.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.239 ug/l

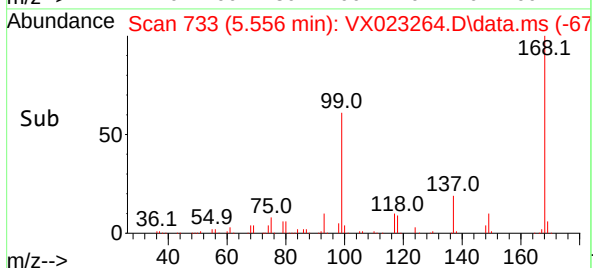
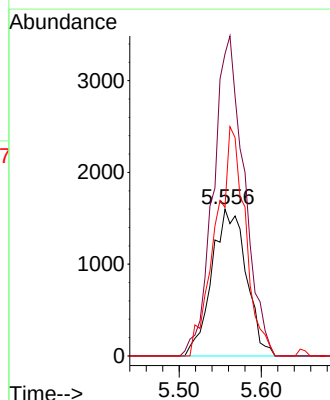
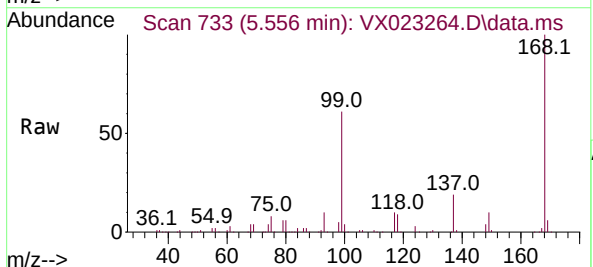
RT: 5.556 min Scan# 733

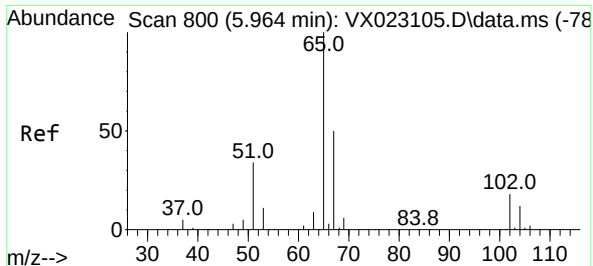
Delta R.T. 0.079 min

Lab File: VX023264.D

Acq: 13 Jul 2021 15:16

Tgt Ion:	56	Resp:	4655
Ion	Ratio	Lower	Upper
56	100		
69	206.0	25.3	37.9#
84	101.4	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 49.709 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023264.D

Acq: 13 Jul 2021 15:16

Tgt Ion: 65 Resp: 156035

Ion Ratio Lower Upper

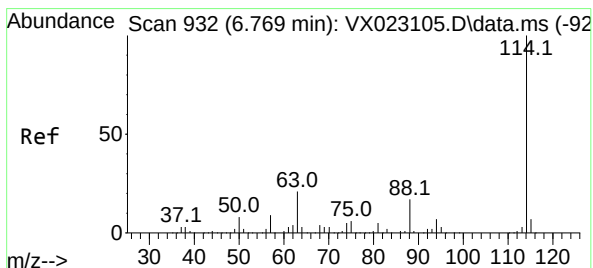
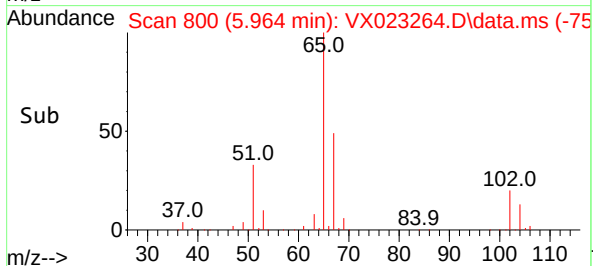
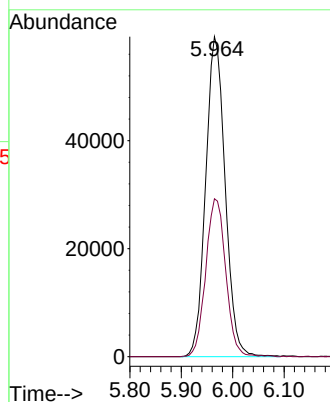
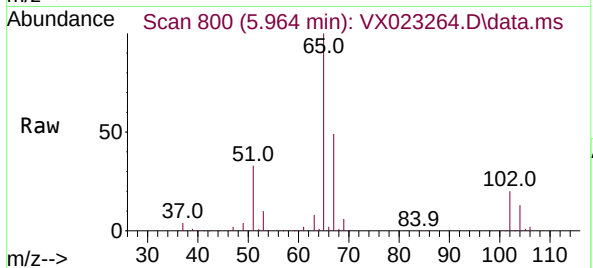
65 100

67 50.7 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX023264.D

Acq: 13 Jul 2021 15:16

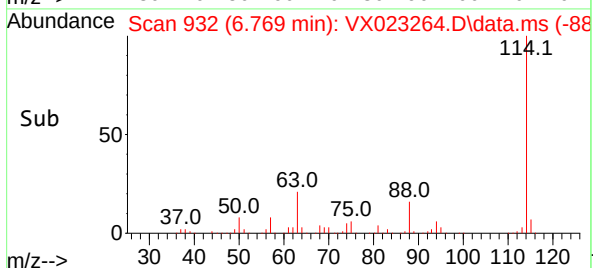
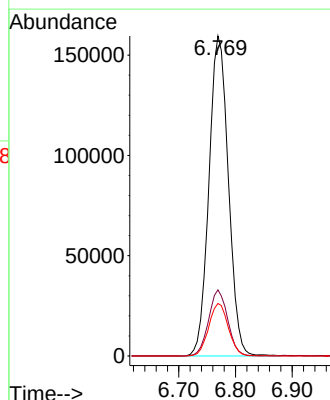
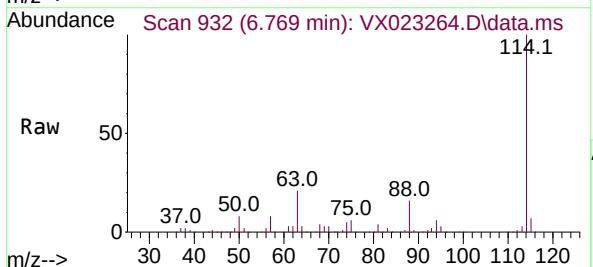
Tgt Ion:114 Resp: 379904

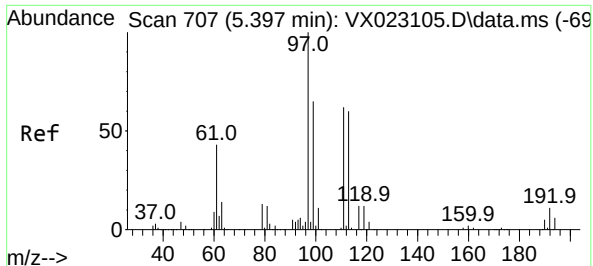
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.267 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023264.D

Acq: 13 Jul 2021 15:16

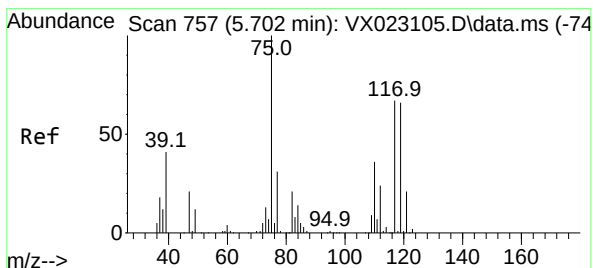
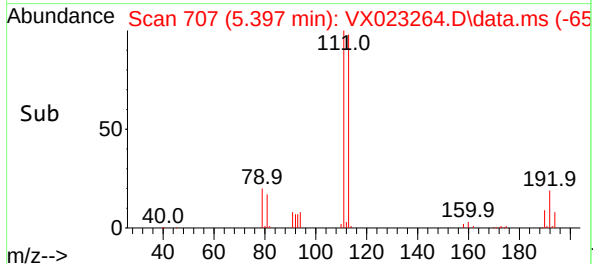
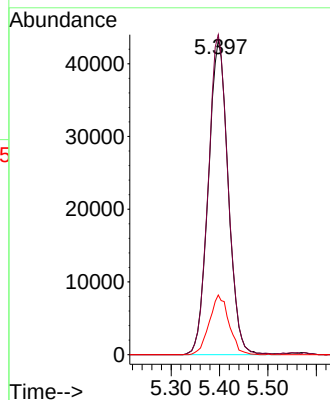
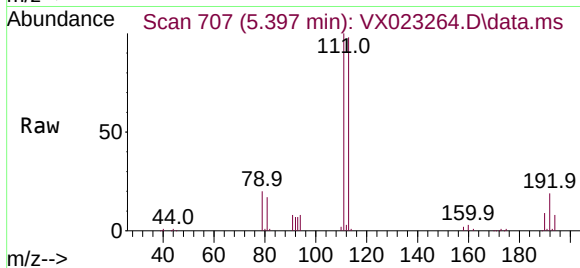
Tgt Ion:113 Resp: 123319

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

192 18.8 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.177 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023264.D

Acq: 13 Jul 2021 15:16

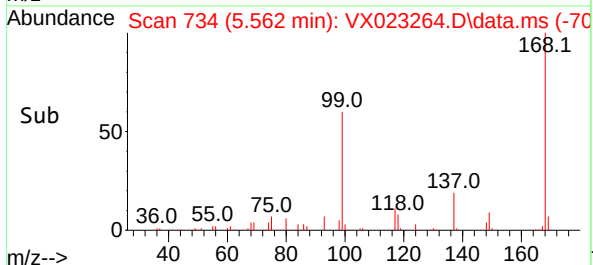
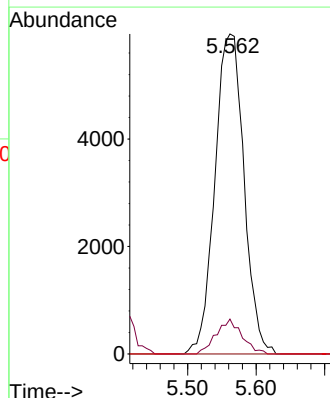
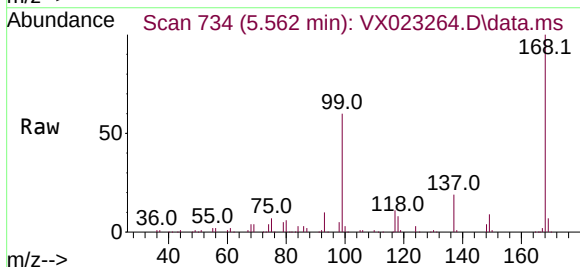
Tgt Ion: 75 Resp: 17533

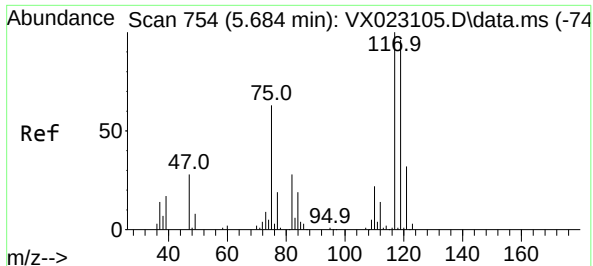
Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.4#

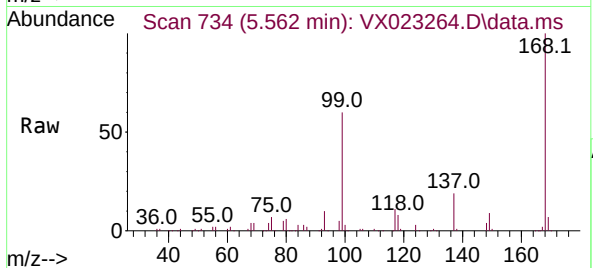
77 0.0 25.3 37.9#



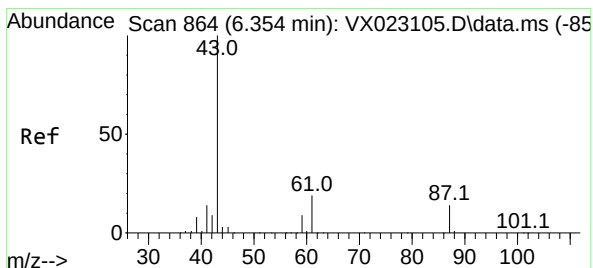
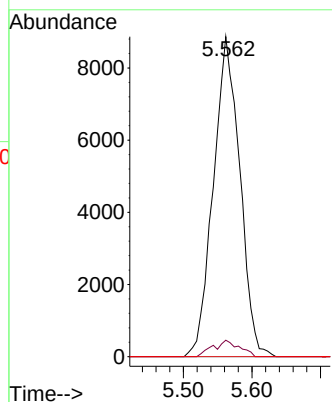
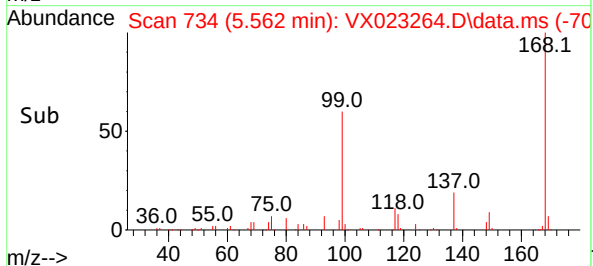


#38
Carbon Tetrachloride
Concen: 6.734 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

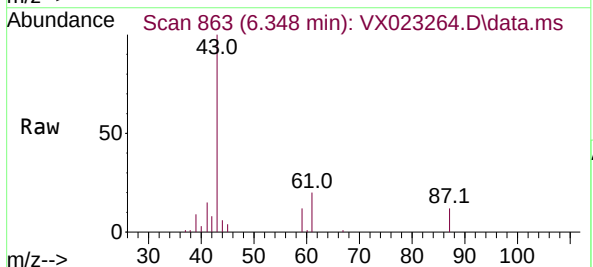
Instrument :
MSVOA_X
ClientSampled :



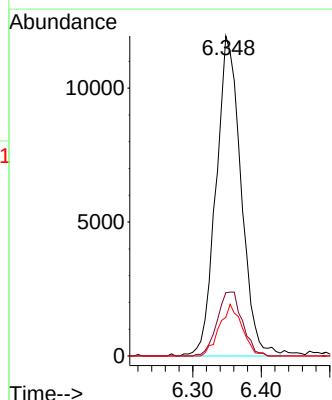
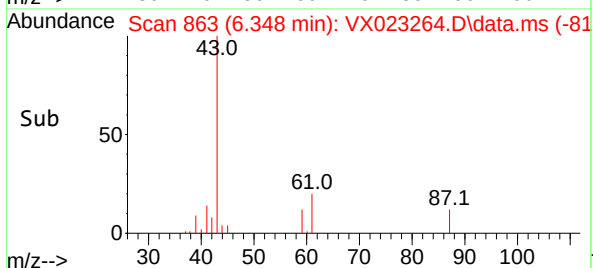
Tgt Ion:117 Resp: 23805
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#

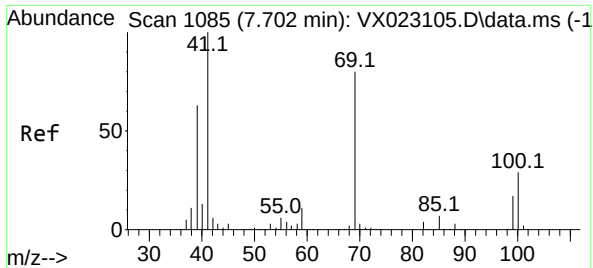


#43
Isopropyl Acetate
Concen: 4.907 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16



Tgt Ion: 43 Resp: 30153
Ion Ratio Lower Upper
43 100
61 20.2 18.2 27.4
87 14.6 12.5 18.7

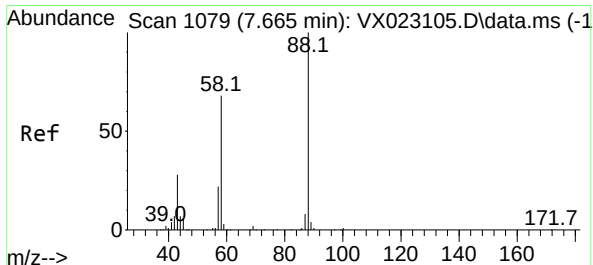
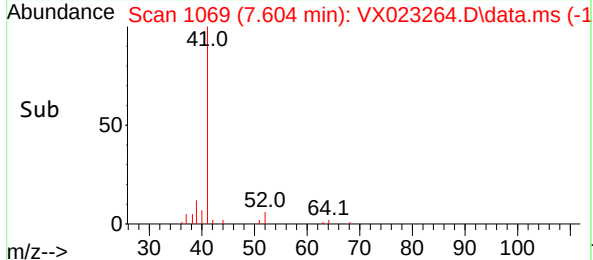
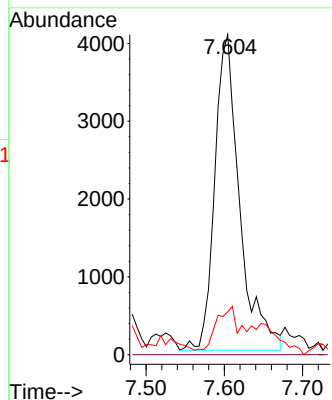
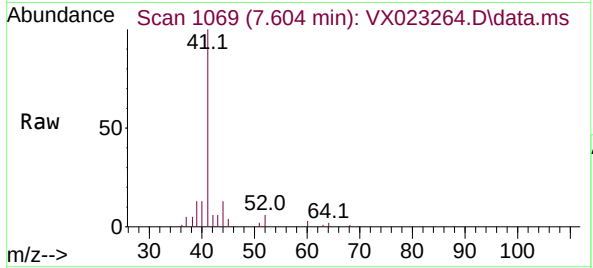




#48
Methyl methacrylate
Concen: 2.977 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

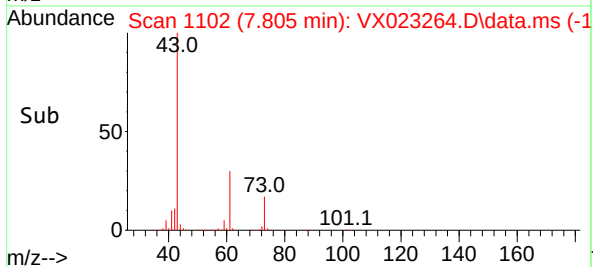
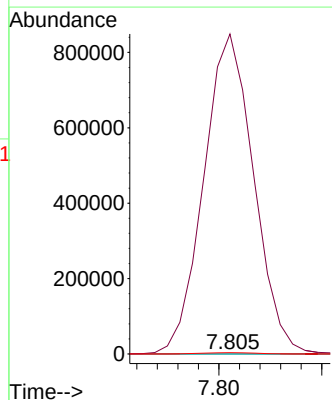
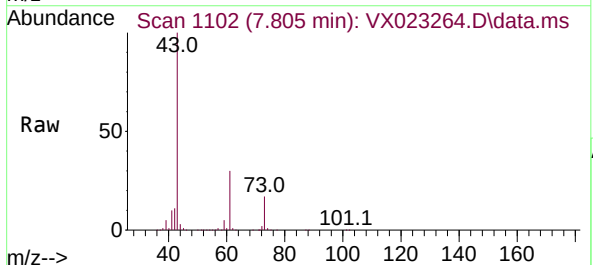
Instrument :
MSVOA_X
ClientSampled :

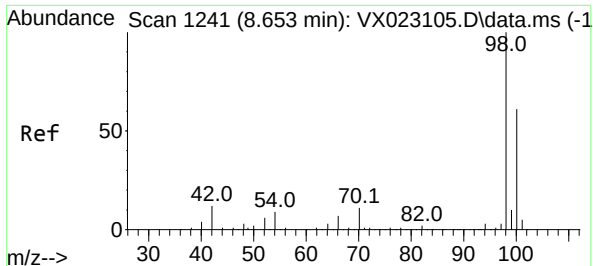
Tgt Ion: 41 Resp: 8978
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.536 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

Tgt Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
43 601009.6 23.2 34.8#
58 2620.4 55.0 82.4#





#50

Toluene-d8

Concen: 50.220 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023264.D

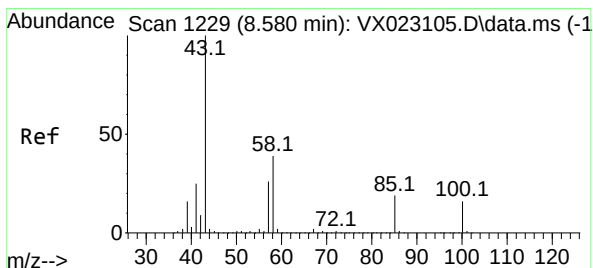
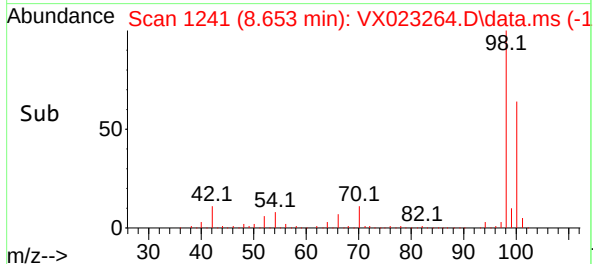
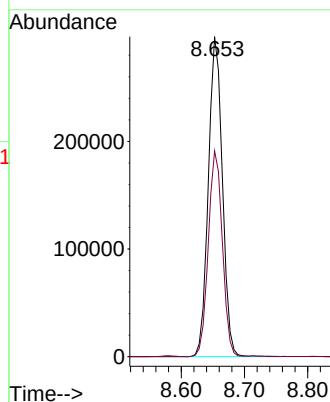
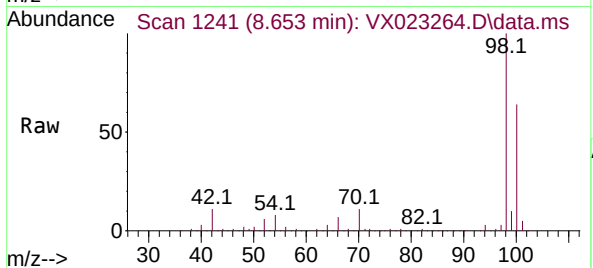
Acq: 13 Jul 2021 15:16

Tgt Ion: 98 Resp: 459572

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 30.601 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.025 min

Lab File: VX023264.D

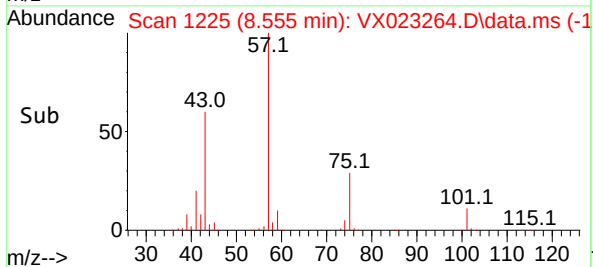
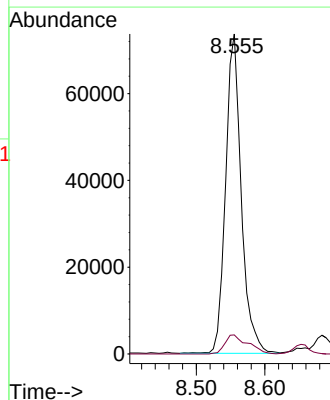
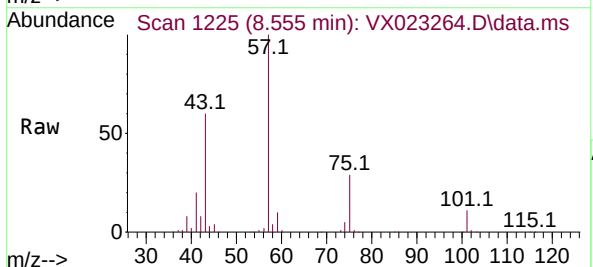
Acq: 13 Jul 2021 15:16

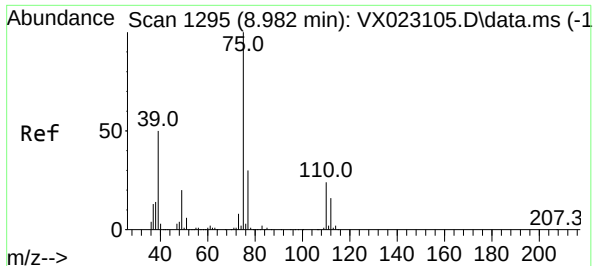
Tgt Ion: 43 Resp: 116530

Ion Ratio Lower Upper

43 100

58 8.8 35.4 53.0#

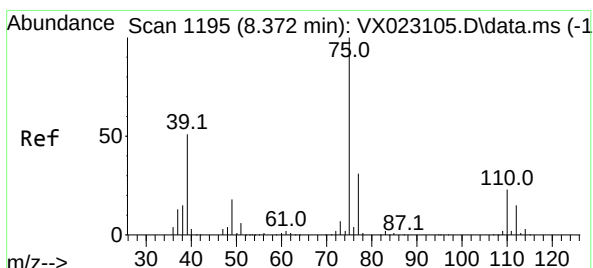
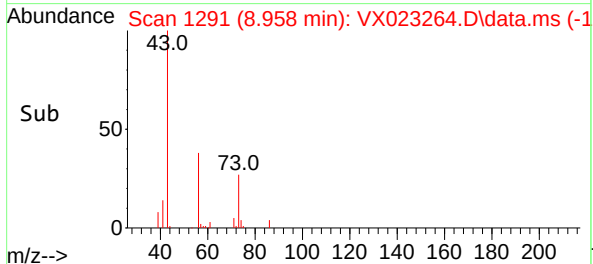
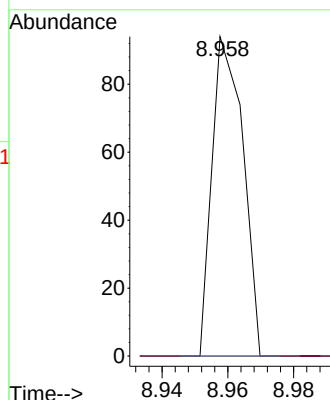
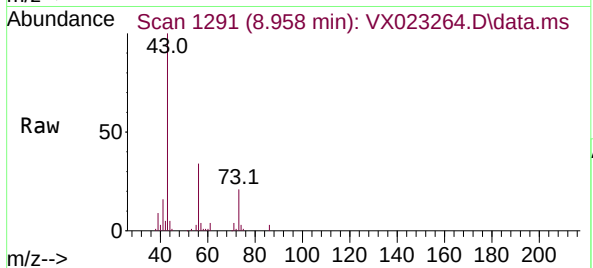




#53
t-1,3-Dichloropropene
Concen: 2.750 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

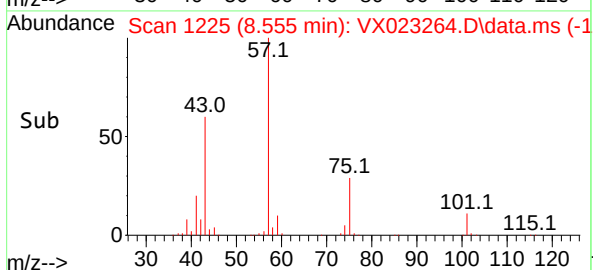
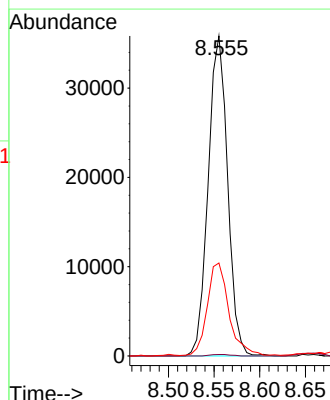
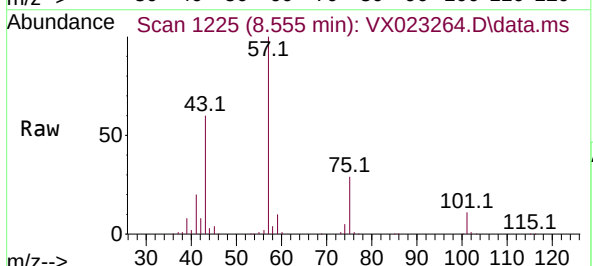
Instrument :
MSVOA_X
ClientSampled :

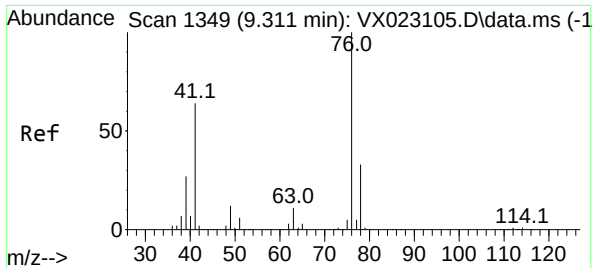
Tgt Ion: 75 Resp: 61
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 13.649 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

Tgt Ion: 75 Resp: 52851
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 28.9 35.1 52.7#





#57

1,3-Dichloropropane

Concen: 6.713 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX023264.D

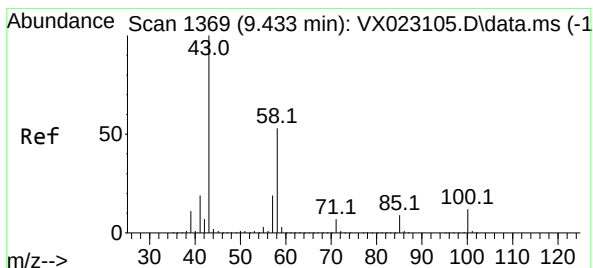
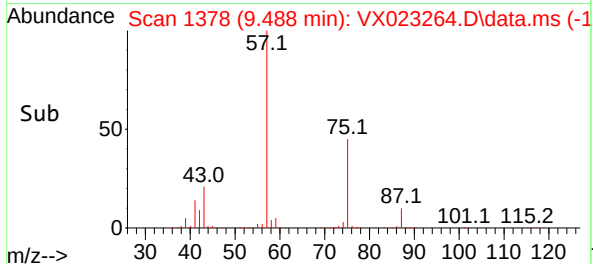
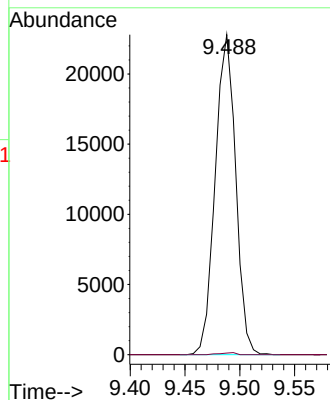
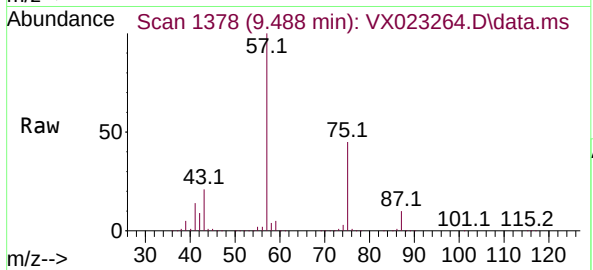
Acq: 13 Jul 2021 15:16

Tgt Ion: 76 Resp: 29651

Ion Ratio Lower Upper

76 100

78 0.5 26.2 39.2#



#59

2-Hexanone

Concen: 4.150 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX023264.D

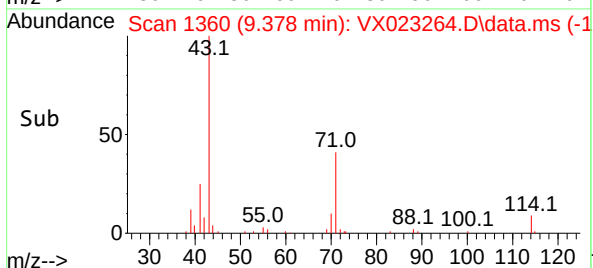
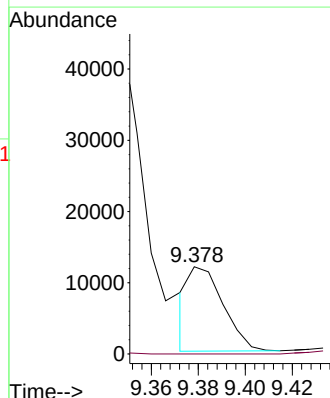
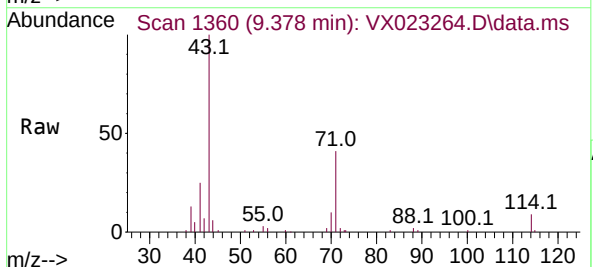
Acq: 13 Jul 2021 15:16

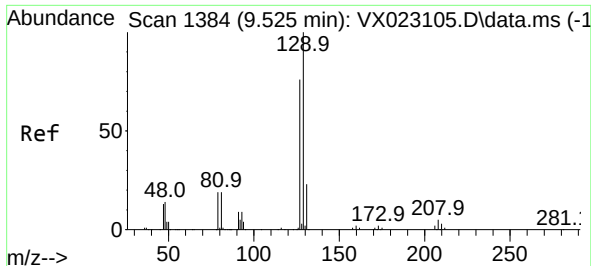
Tgt Ion: 43 Resp: 12125

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.8#

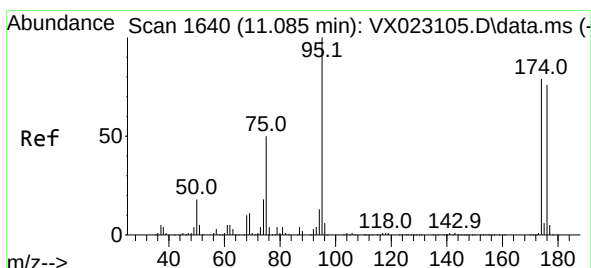
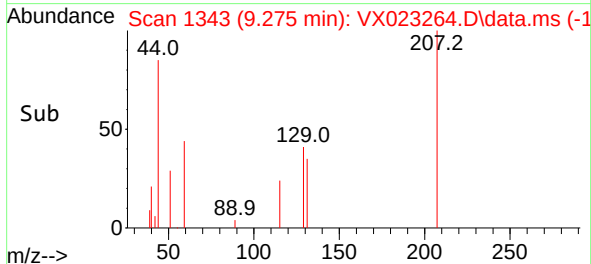
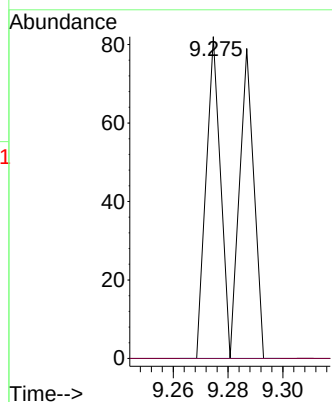
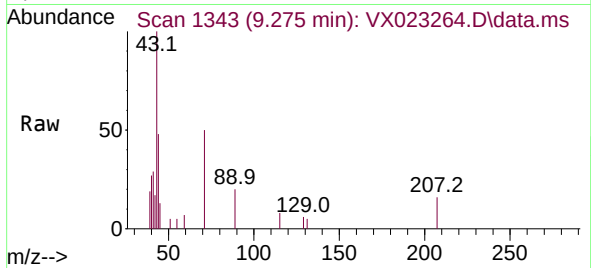




#60
Dibromochloromethane
Concen: 3.131 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

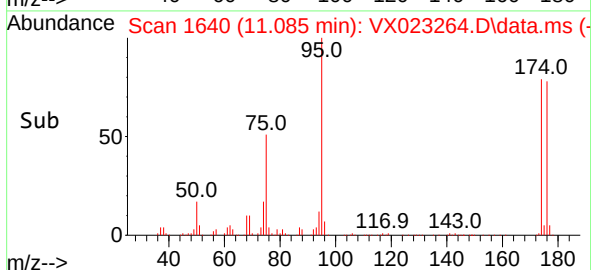
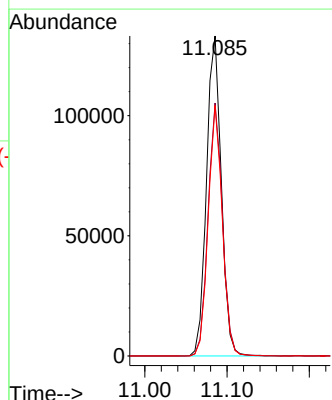
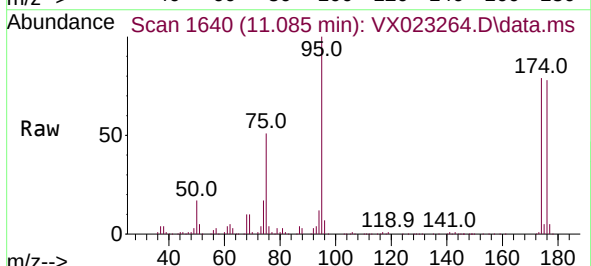
Instrument :
MSVOA_X
ClientSampled :

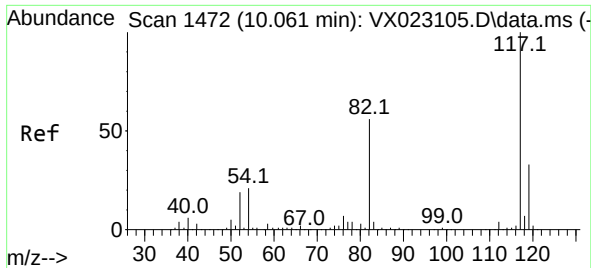
Tgt Ion:129 Resp: 59
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 47.069 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

Tgt Ion: 95 Resp: 166291
Ion Ratio Lower Upper
95 100
174 77.4 0.0 154.6
176 74.7 0.0 155.8

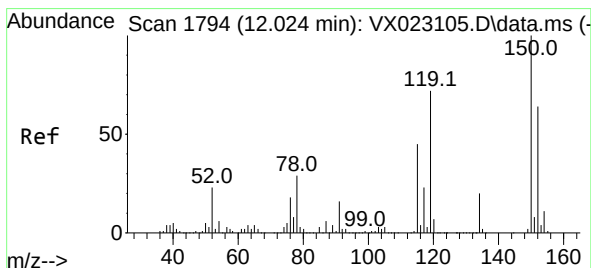
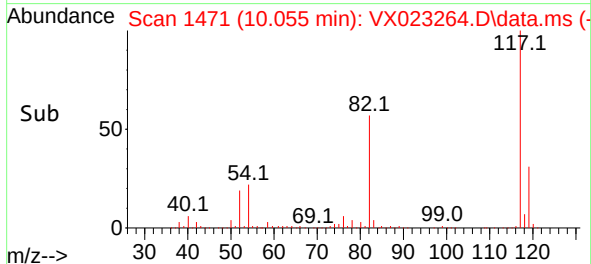
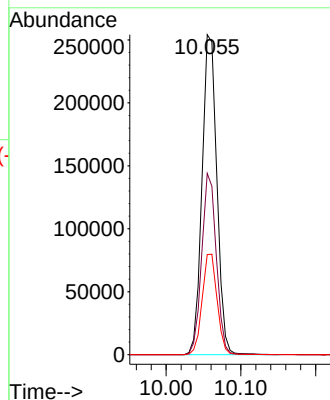
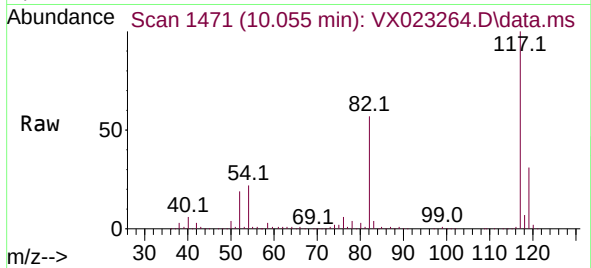




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

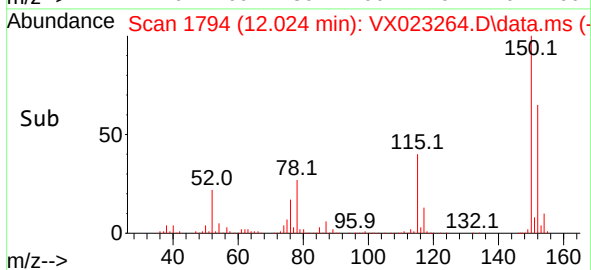
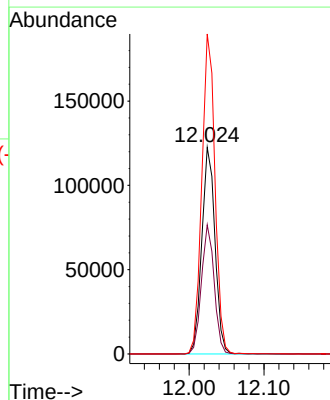
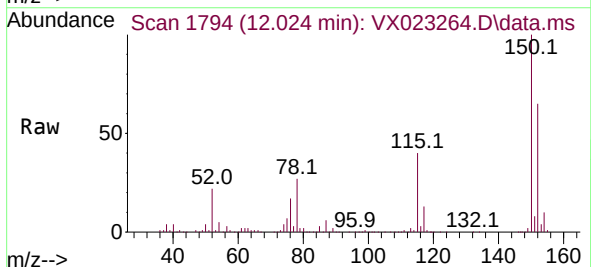
Instrument :
MSVOA_X
ClientSampled :

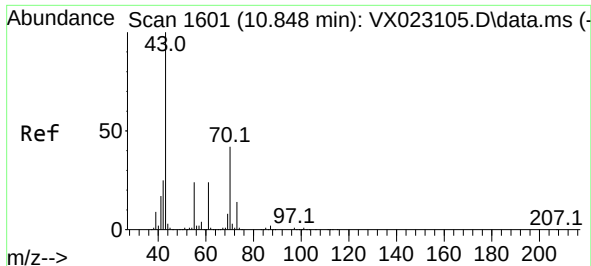
Tgt Ion:117 Resp: 350066
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

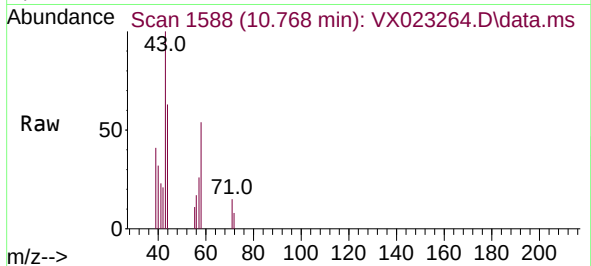
Tgt Ion:152 Resp: 150178
Ion Ratio Lower Upper
152 100
115 60.6 41.1 123.3
150 154.4 0.0 349.0



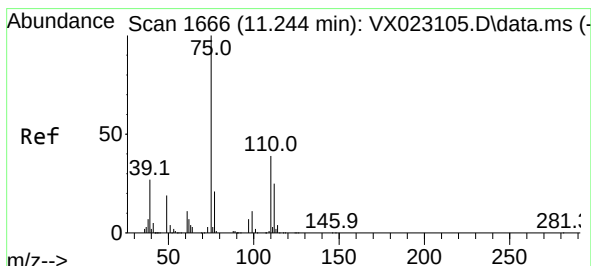
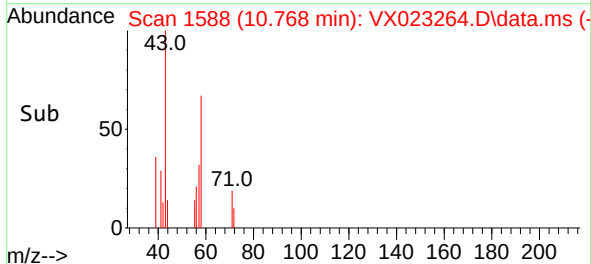
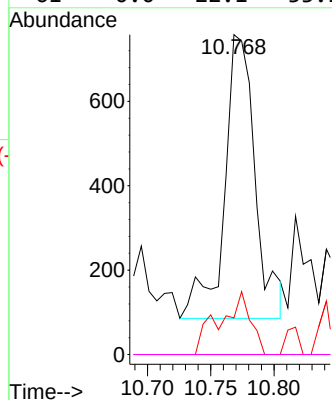


#74
N-amy1 acetate
Concen: 0.253 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

Instrument :
MSVOA_X
ClientSampleId :

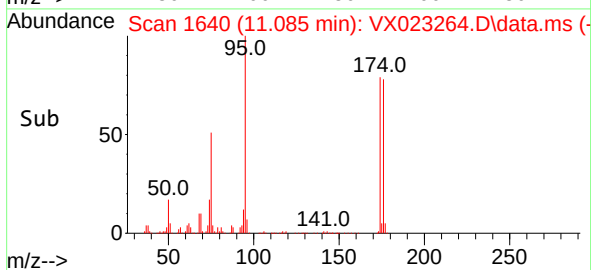
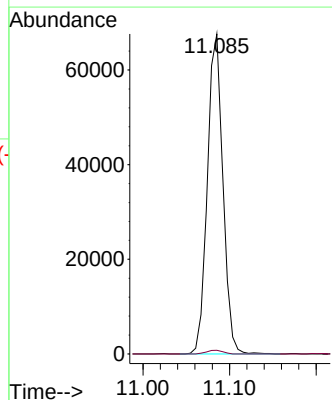
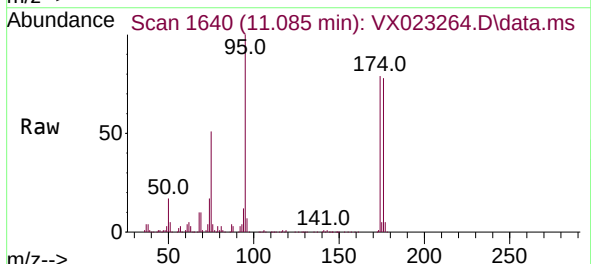


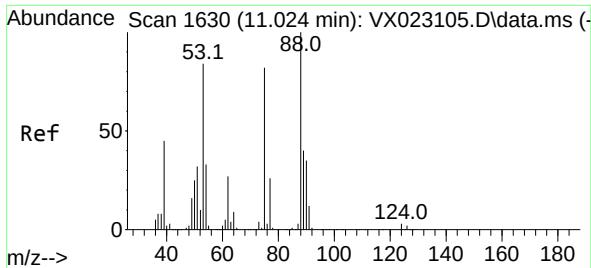
Tgt Ion: 43	Resp: 1137
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	15.0 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 27.869 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

Tgt Ion: 75	Resp: 84224
Ion Ratio	Lower Upper
75	100
77	1.2 19.1 57.5#

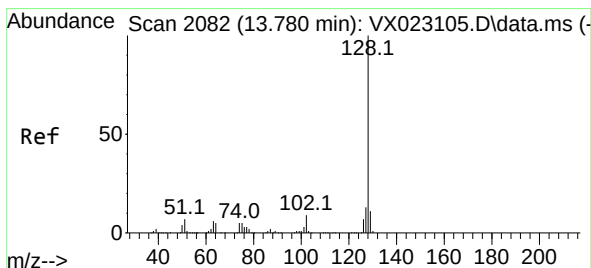
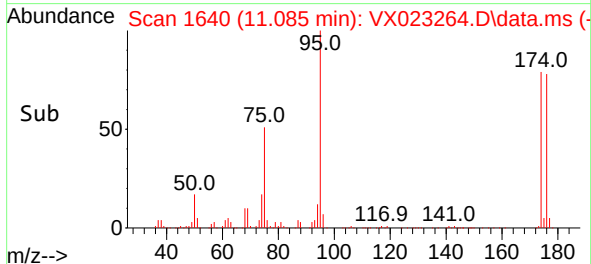
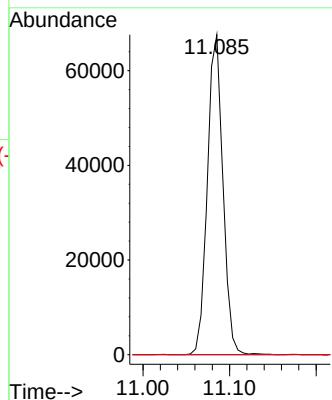
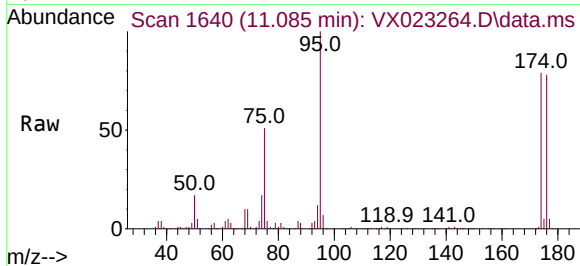




#81
trans-1,4-Dichloro-2-butene
Concen: 75.169 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 84224
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.318 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023264.D
Acq: 13 Jul 2021 15:16

Tgt Ion:128 Resp: 483
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

