

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091021\
 Data File : VX024173.D
 Acq On : 10 Sep 2021 18:06
 Operator : JC/MD
 Sample : M3686-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

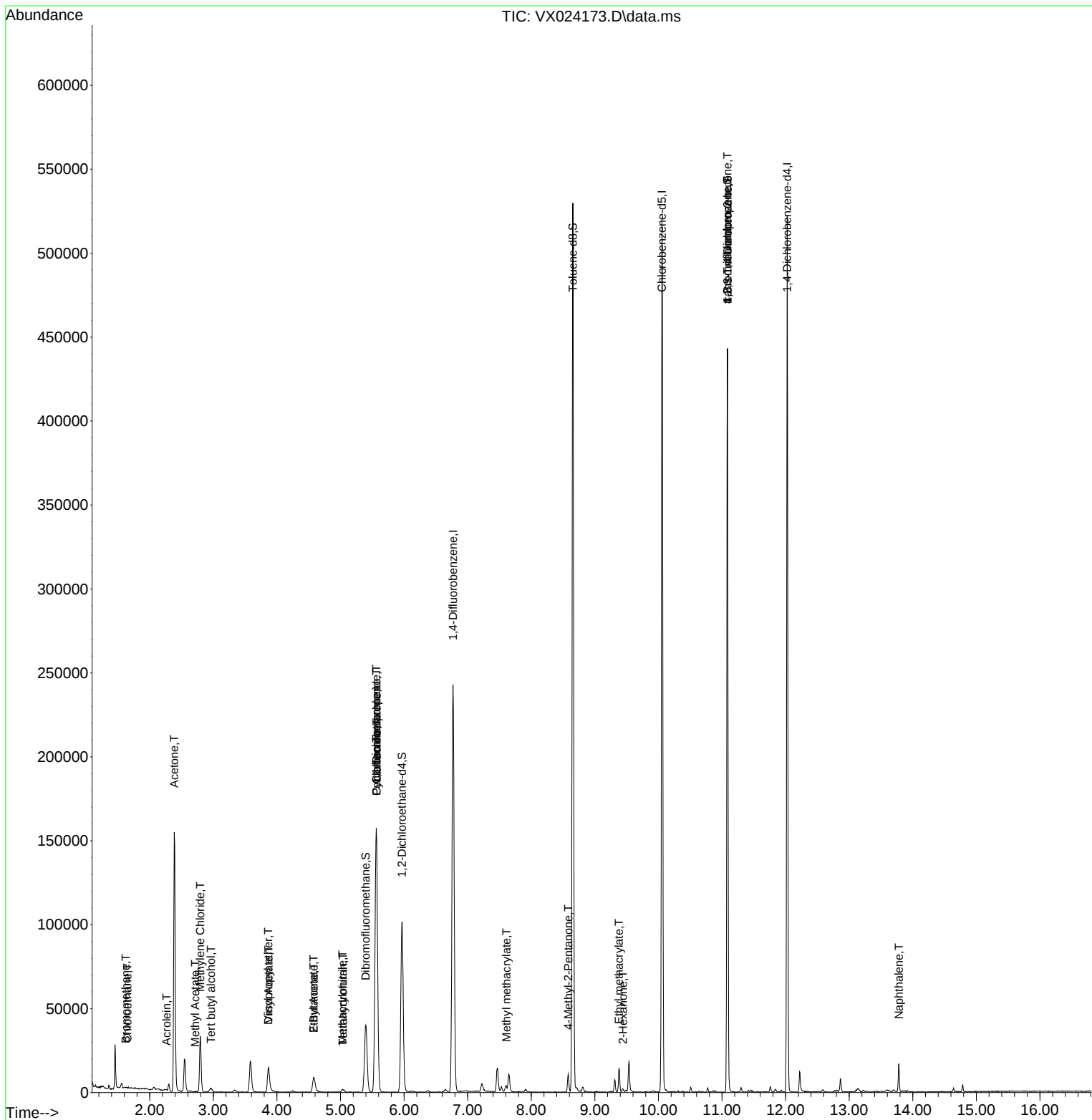
Quant Time: Sep 11 04:26:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

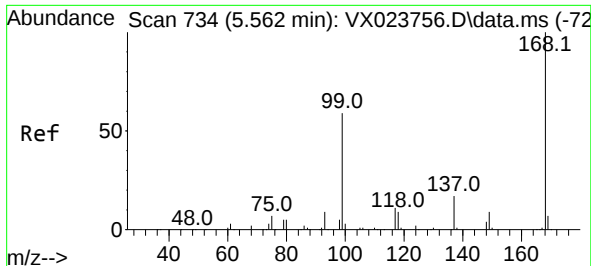
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	146239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	244776	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103985	50.947	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.900%			
35) Dibromofluoromethane	5.397	113	34465	21.273	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 42.540%#			
50) Toluene-d8	8.653	98	303671	49.247	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.500%			
62) 4-Bromofluorobenzene	11.085	95	113078	49.815	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.640%			
Target Compounds						Qvalue
5) Bromomethane	1.624	94	434	0.418	ug/l	94
6) Chloroethane	1.648	64	266	2.402	ug/l #	43
11) Tert butyl alcohol	2.965	59	2295	5.560	ug/l #	80
13) Acrolein	2.264	56	222	0.904	ug/l #	14
16) Acetone	2.386	43	161983	177.496	ug/l	88
18) Methyl Acetate	2.715	43	815	0.358	ug/l #	68
20) Methylene Chloride	2.794	84	14414	8.269	ug/l	90
22) Diisopropyl ether	3.861	45	1052	0.204	ug/l #	1
23) Vinyl Acetate	3.867	43	2654	0.637	ug/l #	68
25) 2-Butanone	4.574	43	12318	8.911	ug/l	98
29) Tetrahydrofuran	5.038	42	1387	1.549	ug/l #	43
31) Cyclohexane	5.568	56	3046	1.162	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	11472	5.061	ug/l #	50
37) Ethyl Acetate	4.574	43	12318	4.421	ug/l #	64
38) Carbon Tetrachloride	5.562	117	15034	6.360	ug/l #	17
41) Methacrylonitrile	5.032	41	658	0.436	ug/l #	26
48) Methyl methacrylate	7.610	41	4605	2.166	ug/l #	17
51) 4-Methyl-2-Pentanone	8.580	43	6444	2.287	ug/l	89
56) Ethyl methacrylate	9.378	69	192	0.821	ug/l #	1
59) 2-Hexanone	9.439	43	990	0.457	ug/l	92
76) 1,2,3-Trichloropropane	11.085	75	60584	25.663	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	60584	75.490	ug/l #	12
95) Naphthalene	13.780	128	9845	2.578	ug/l	98

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

Quant Time: Sep 11 04:26:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

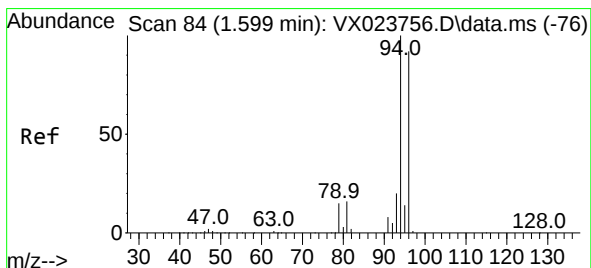
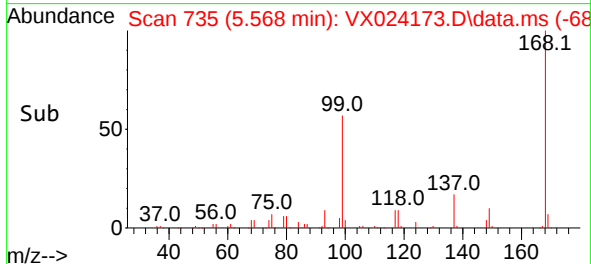
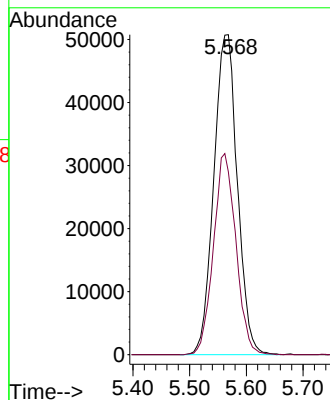
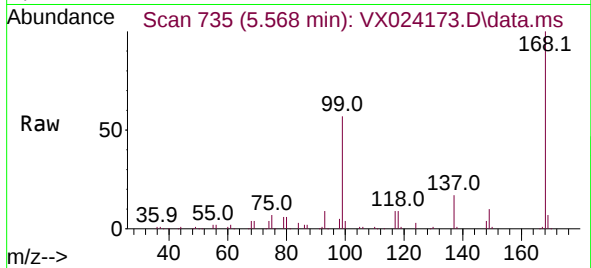




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

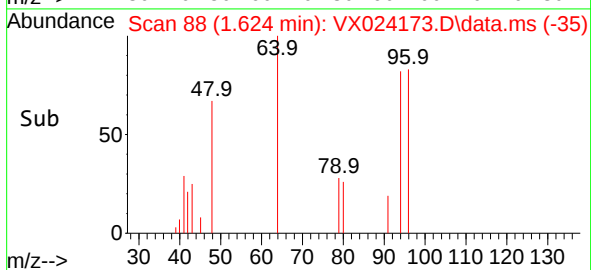
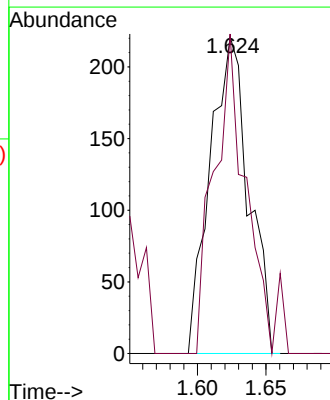
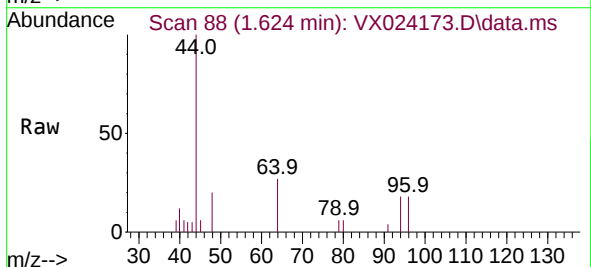
Instrument :
MSVOA_X
ClientSampleId :

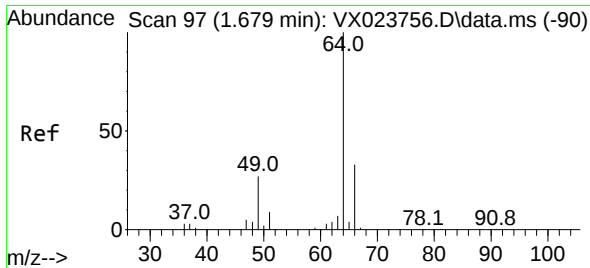
Tgt Ion:168 Resp: 146239
Ion Ratio Lower Upper
168 100
99 57.2 45.8 68.6



#5
Bromomethane
Concen: 0.418 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

Tgt Ion: 94 Resp: 434
Ion Ratio Lower Upper
94 100
96 100.9 76.4 114.6

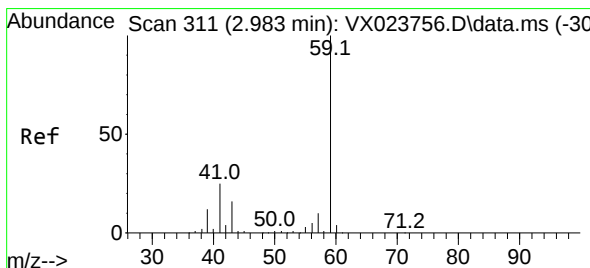
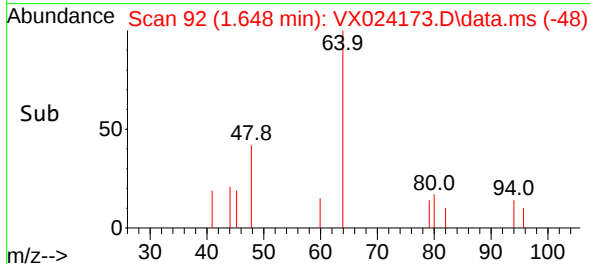
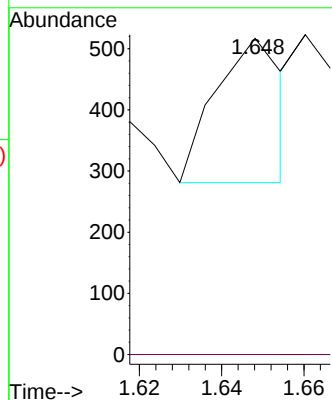
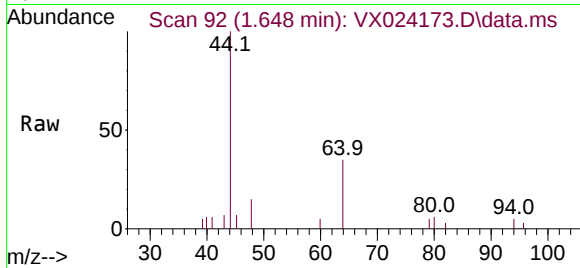




#6
Chloroethane
Concen: 2.402 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.031 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

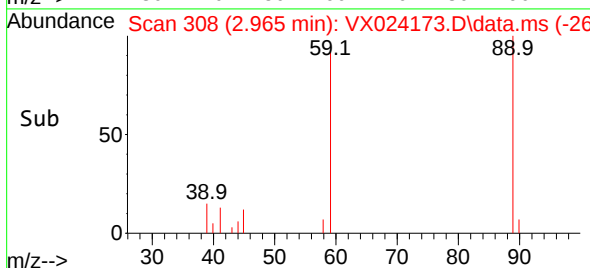
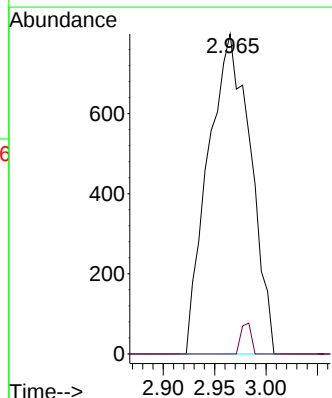
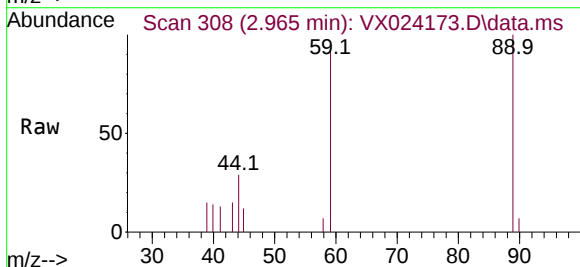
Instrument :
MSVOA_X
ClientSampled :

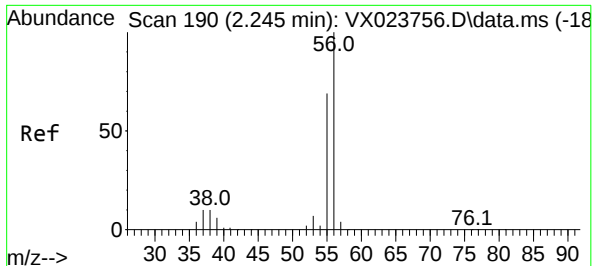
Tgt Ion: 64 Resp: 266
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 5.560 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

Tgt Ion: 59 Resp: 2295
Ion Ratio Lower Upper
59 100
57 2.4 7.8 11.8#





#13

Acrolein

Concen: 0.904 ug/l

RT: 2.264 min Scan# 193

Delta R.T. 0.019 min

Lab File: VX024173.D

Acq: 10 Sep 2021 18:06

Tgt Ion: 56 Resp: 222

Ion Ratio Lower Upper

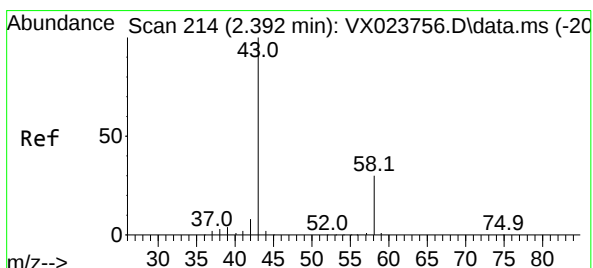
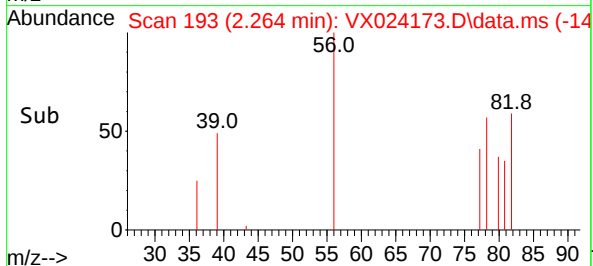
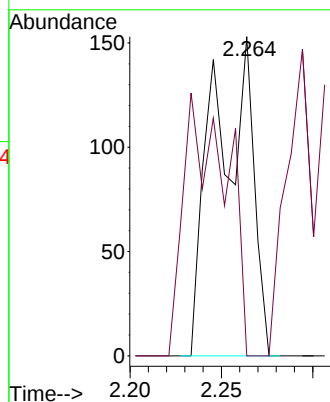
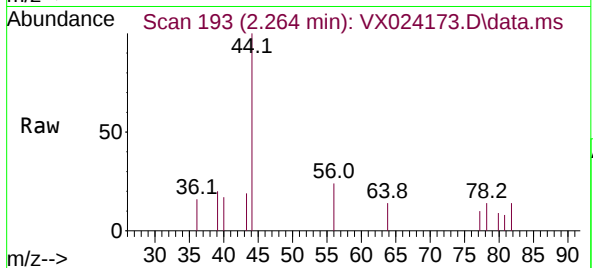
56 100

55 0.0 56.4 84.6#

Instrument :

MSVOA_X

ClientSampled :



#16

Acetone

Concen: 177.496 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX024173.D

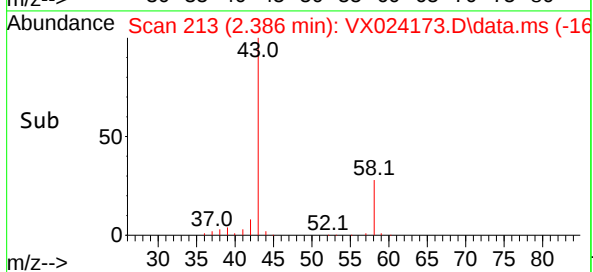
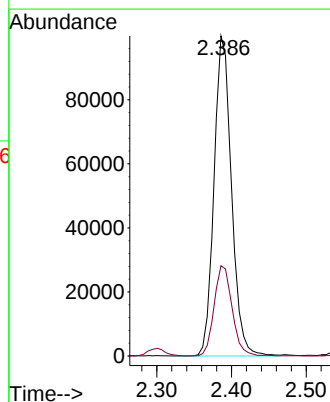
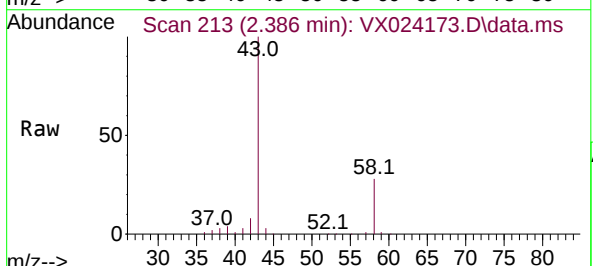
Acq: 10 Sep 2021 18:06

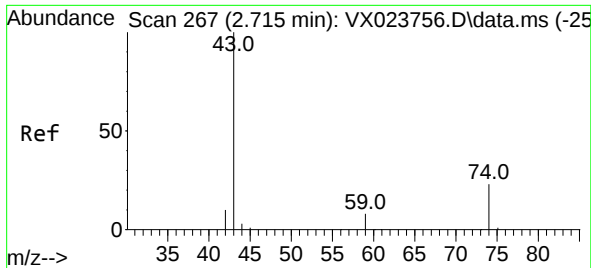
Tgt Ion: 43 Resp: 161983

Ion Ratio Lower Upper

43 100

58 28.1 27.8 41.8

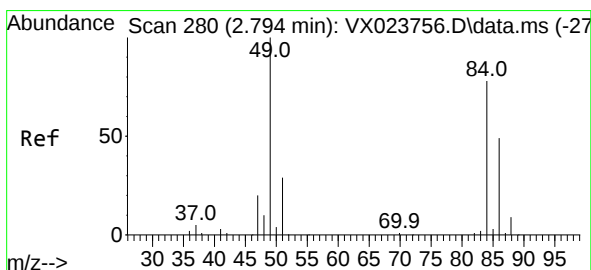
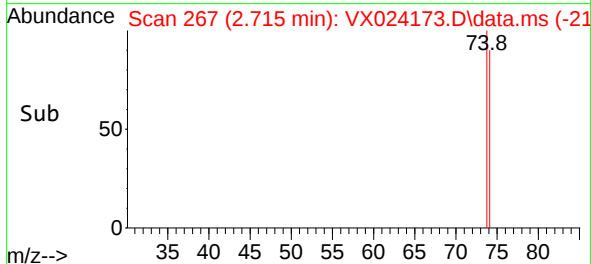
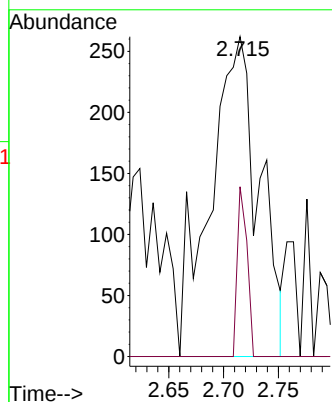
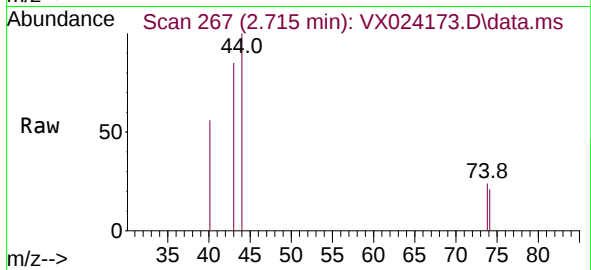




#18
Methyl Acetate
Concen: 0.358 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

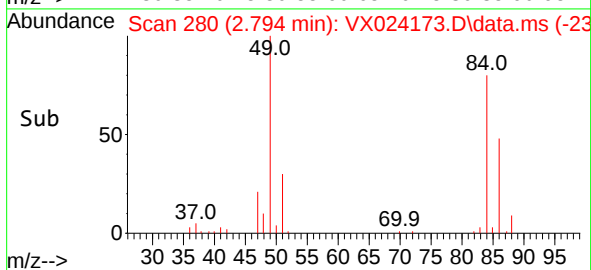
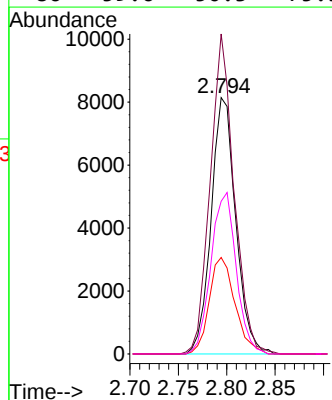
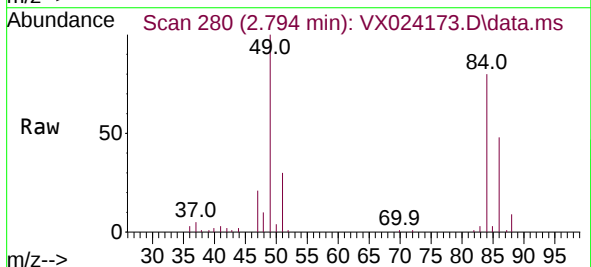
Instrument :
MSVOA_X
ClientSampled :

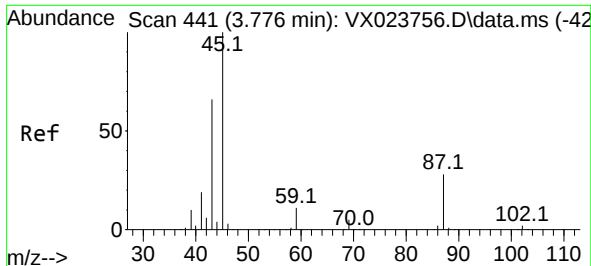
Tgt Ion: 43 Resp: 815
Ion Ratio Lower Upper
43 100
74 10.6 21.9 32.9#



#20
Methylene Chloride
Concen: 8.269 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

Tgt Ion: 84 Resp: 14414
Ion Ratio Lower Upper
84 100
49 124.8 88.6 132.8
51 37.6 27.0 40.6
86 59.6 50.3 75.5

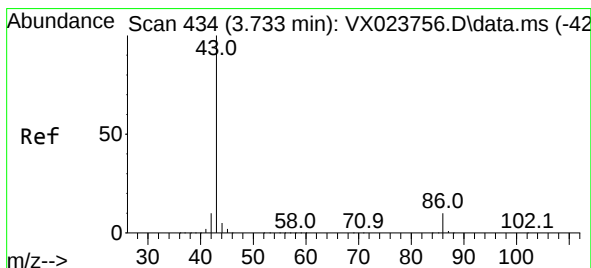
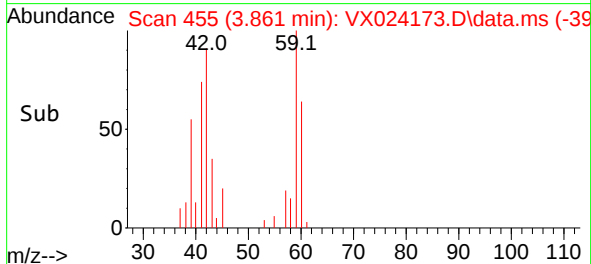
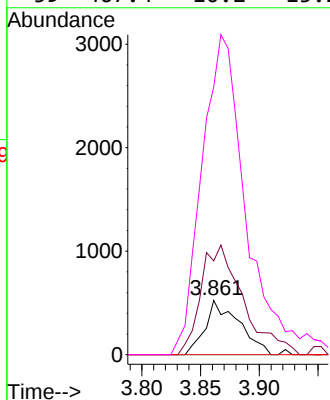
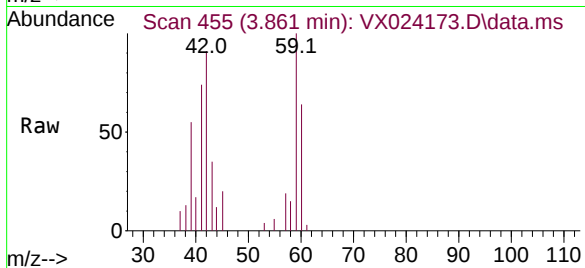




#22
Diisopropyl ether
Concen: 0.204 ug/l
RT: 3.861 min Scan# 455
Delta R.T. 0.085 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

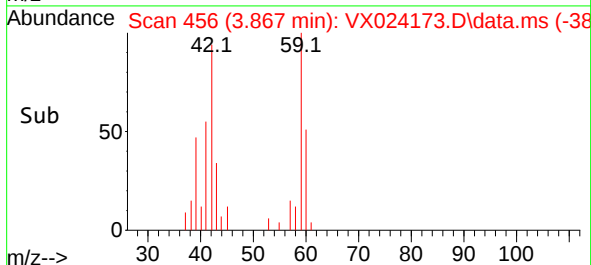
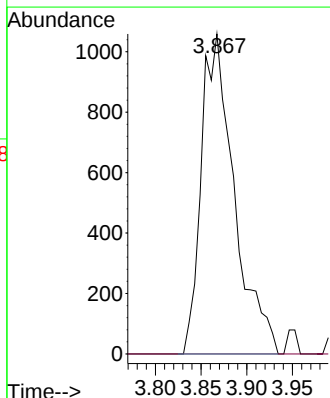
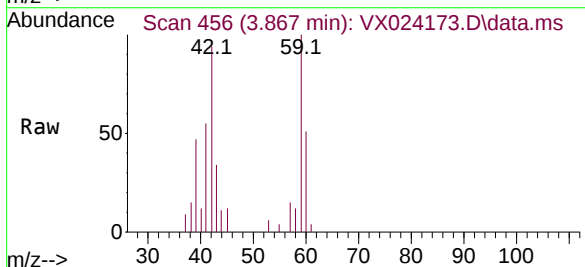
Instrument :
MSVOA_X
ClientSampled :

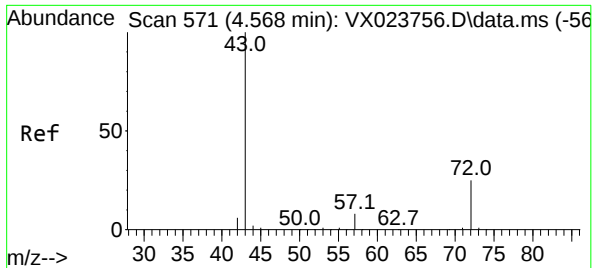
Tgt Ion: 45	Resp: 1052
Ion Ratio	Lower Upper
45 100	
43 172.9	58.0 87.0#
87 0.0	25.4 38.0#
59 467.4	10.2 15.2#



#23
Vinyl Acetate
Concen: 0.637 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.134 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

Tgt Ion: 43	Resp: 2654
Ion Ratio	Lower Upper
43 100	
86 0.0	9.9 14.9#

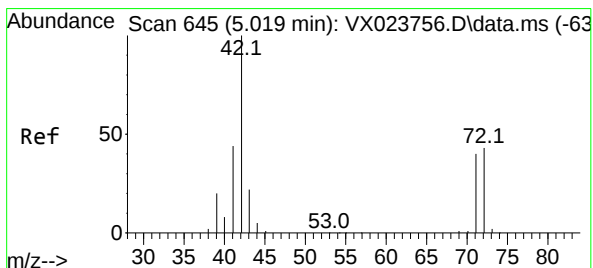
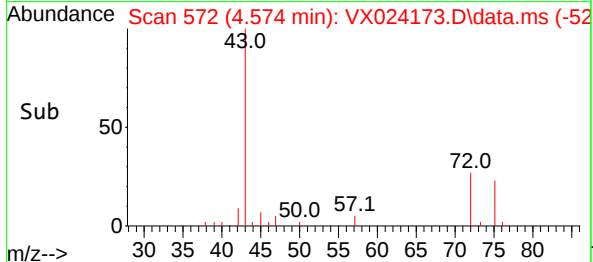
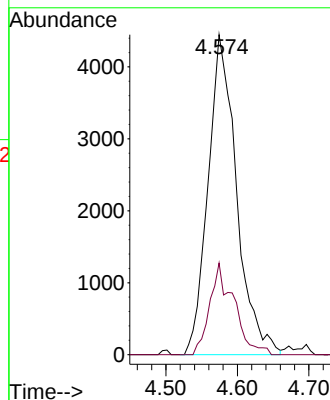
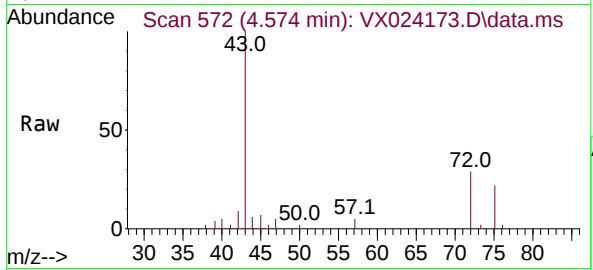




#25
2-Butanone
Concen: 8.911 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

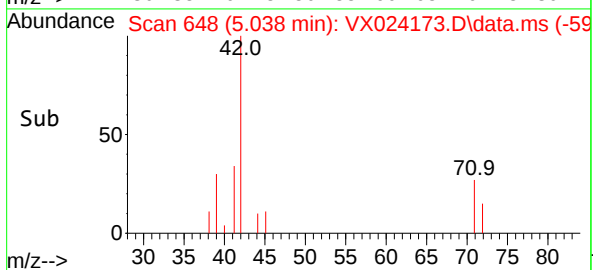
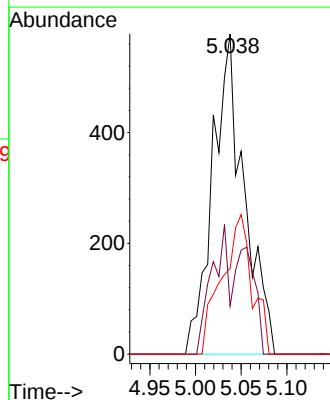
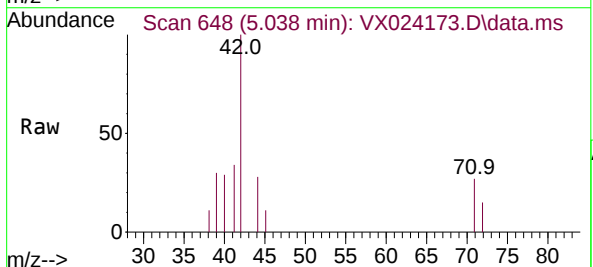
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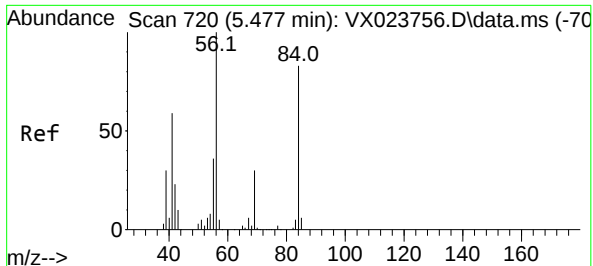
Tgt Ion: 43 Resp: 12318
Ion Ratio Lower Upper
43 100
72 28.7 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.549 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

Tgt Ion: 42 Resp: 1387
Ion Ratio Lower Upper
42 100
72 21.6 41.7 62.5#
71 0.0 38.4 57.6#

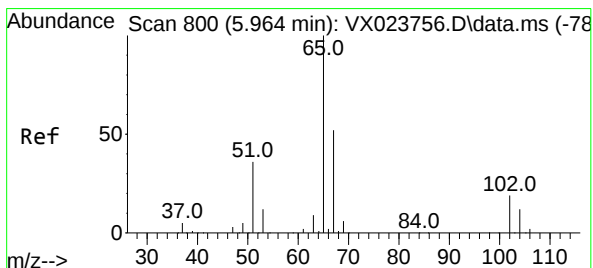
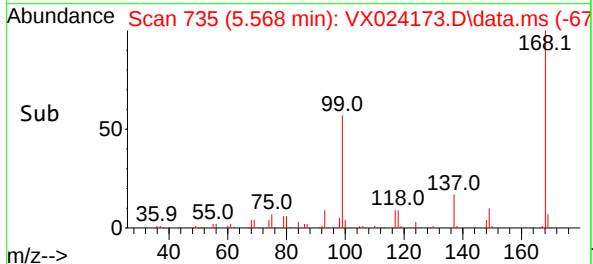
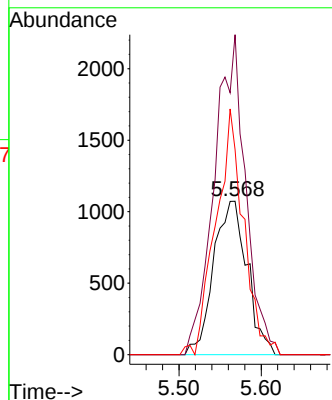
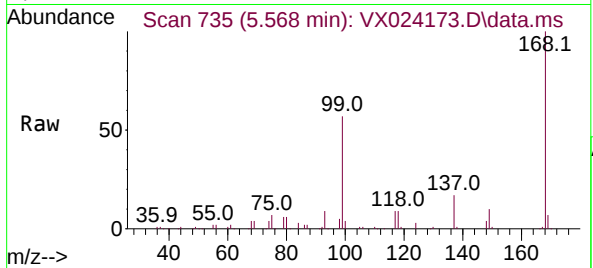




#31
Cyclohexane
Concen: 1.162 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

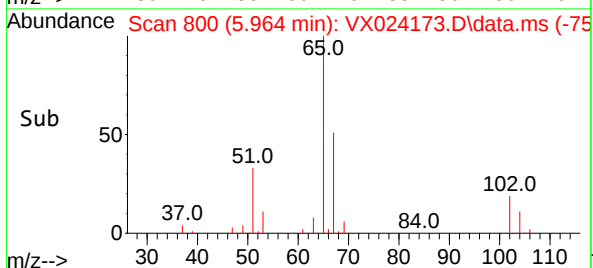
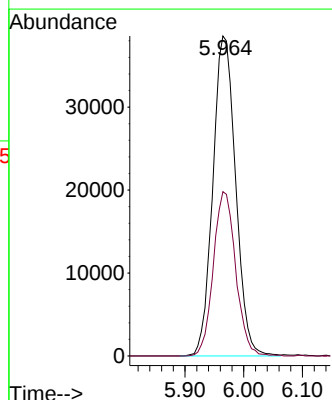
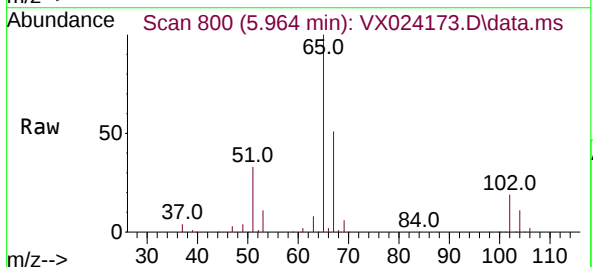
Instrument :
MSVOA_X
ClientSampleId :

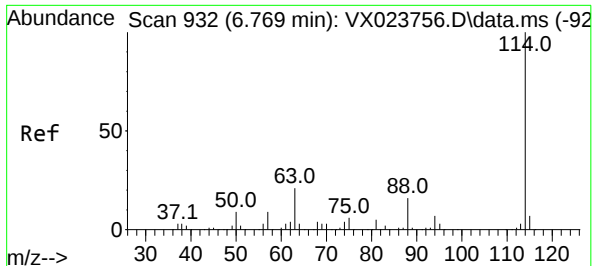
Tgt Ion: 56 Resp: 3046
Ion Ratio Lower Upper
56 100
69 208.6 25.3 37.9#
84 133.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.947 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

Tgt Ion: 65 Resp: 103985
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.4

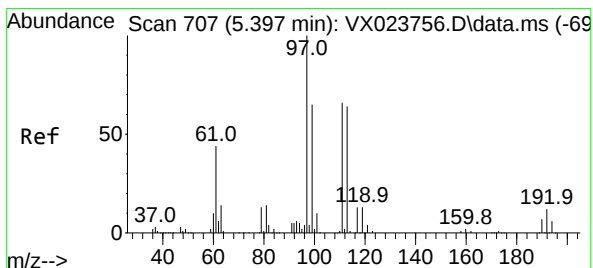
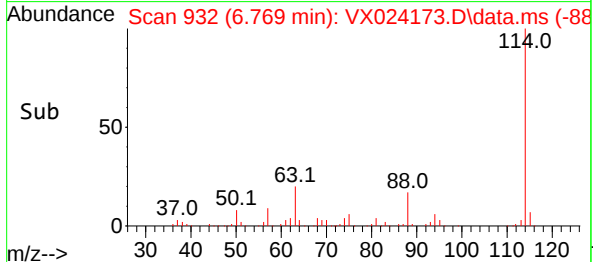
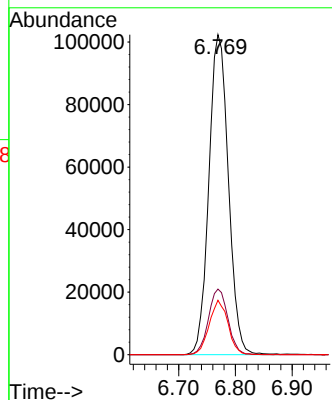
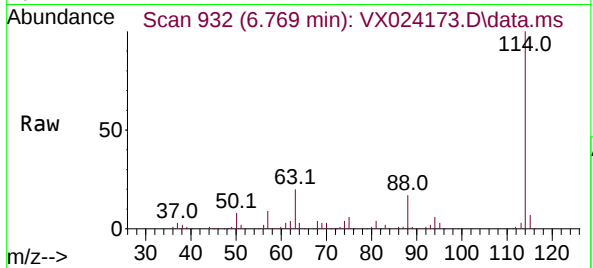




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

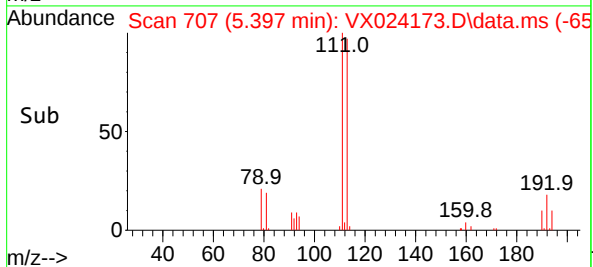
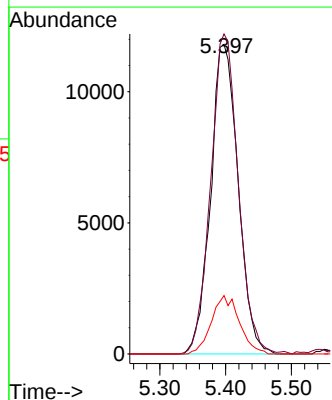
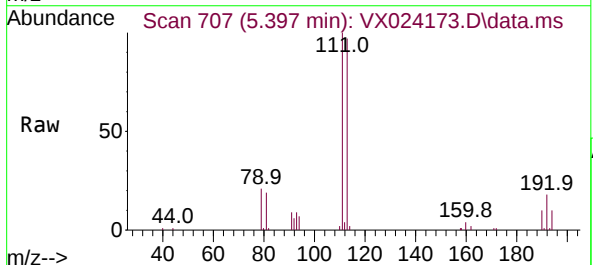
Instrument :
MSVOA_X
ClientSampled :

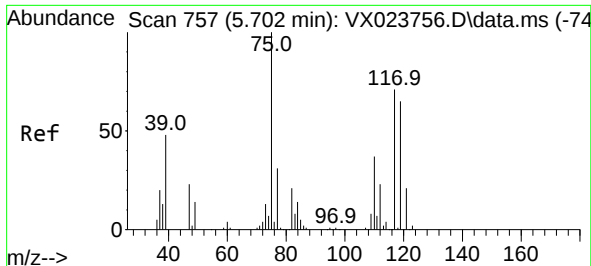
Tgt Ion:114 Resp: 244776
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 21.273 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

Tgt Ion:113 Resp: 34465
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 19.1 16.7 25.1

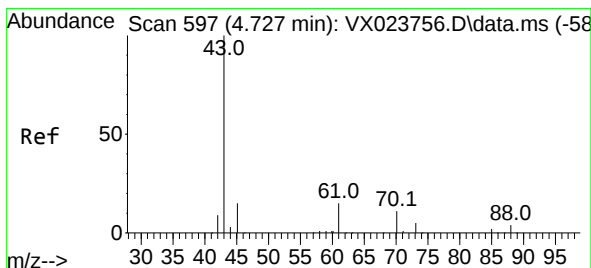
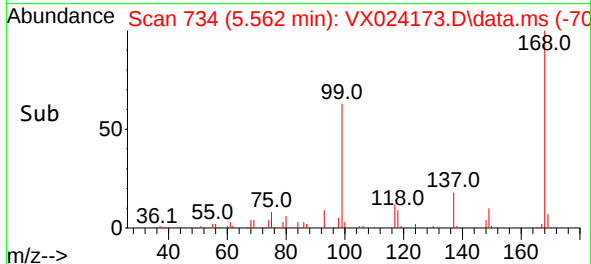
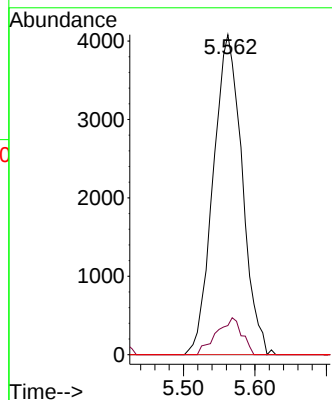
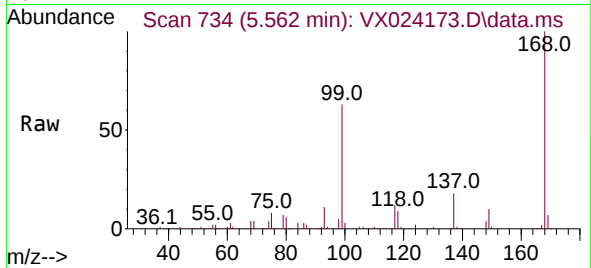




#36
1,1-Dichloropropene
Concen: 5.061 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

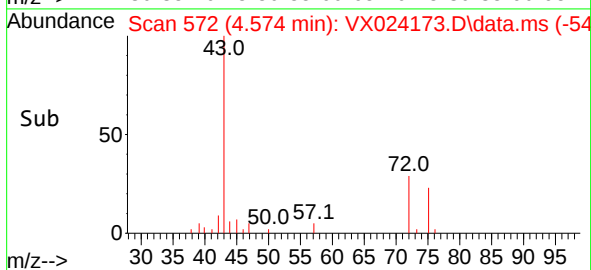
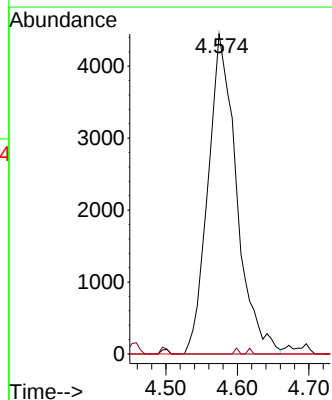
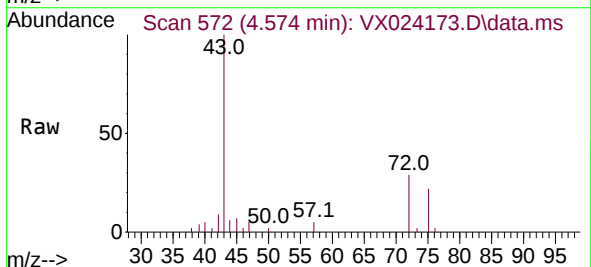
Instrument :
MSVOA_X
ClientSampled :

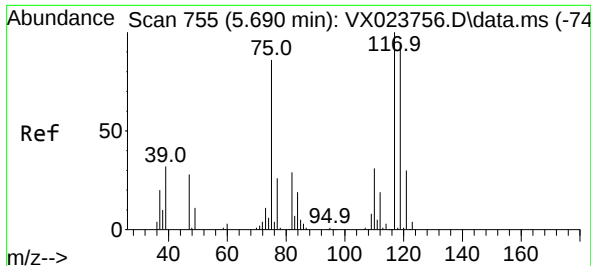
Tgt Ion: 75 Resp: 11472
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 4.421 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.153 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

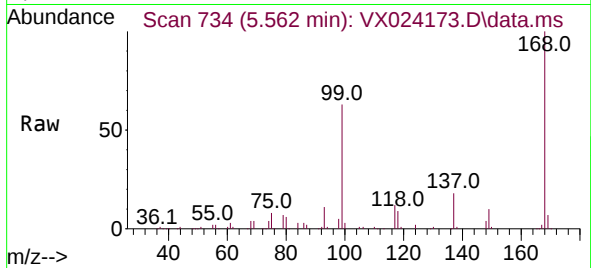
Tgt Ion: 43 Resp: 12318
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



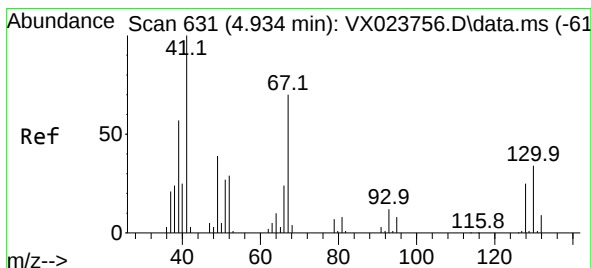
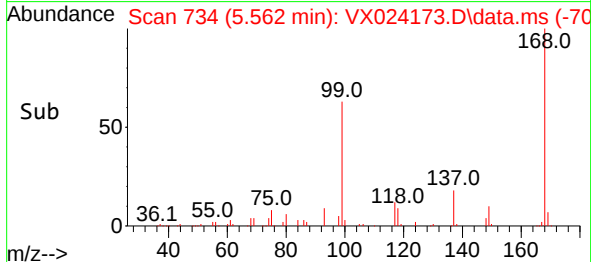
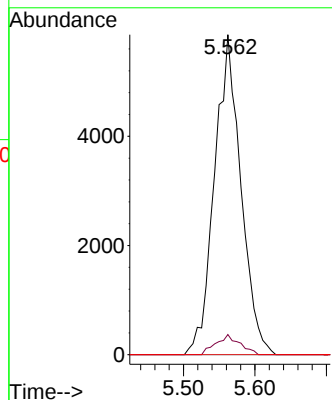


#38
Carbon Tetrachloride
Concen: 6.360 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

Instrument :
MSVOA_X
ClientSampled :

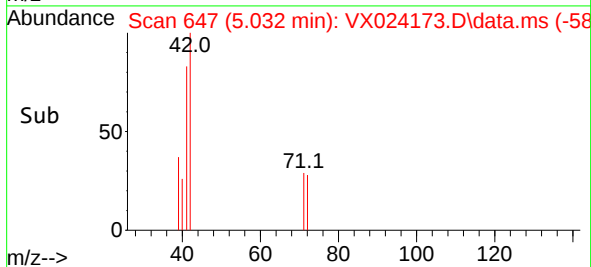
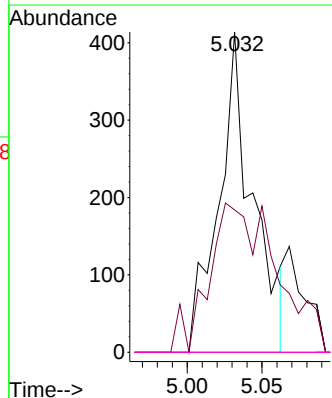
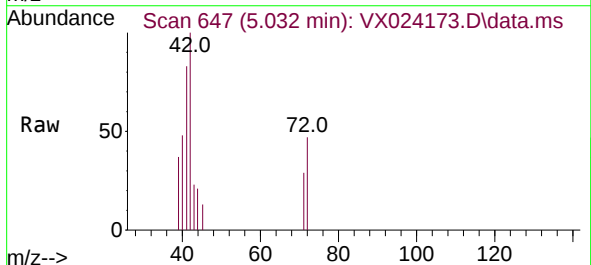


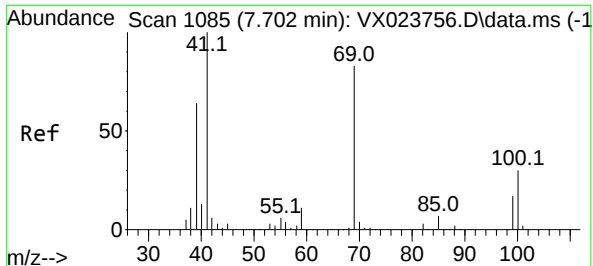
Tgt Ion:117 Resp: 15034
Ion Ratio Lower Upper
117 100
119 6.3 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.436 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.098 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

Tgt Ion: 41 Resp: 658
Ion Ratio Lower Upper
41 100
39 93.2 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#





#48

Methyl methacrylate

Concen: 2.166 ug/l

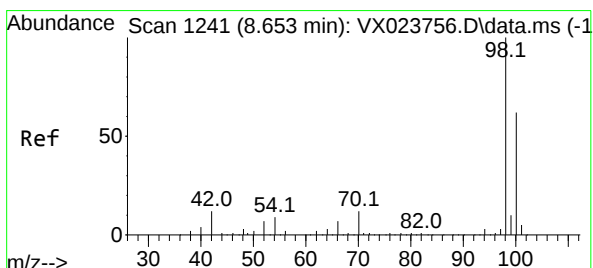
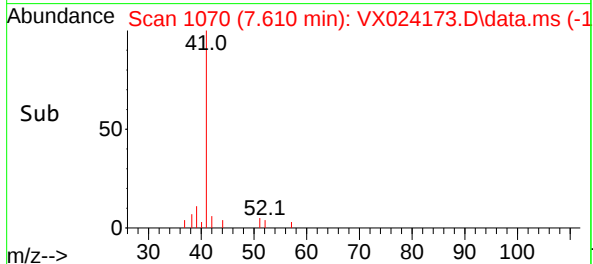
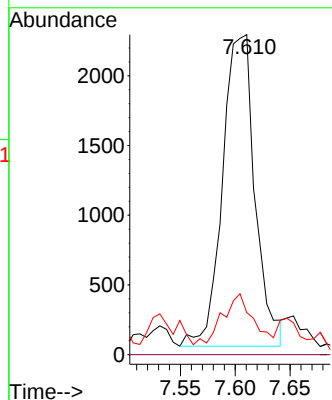
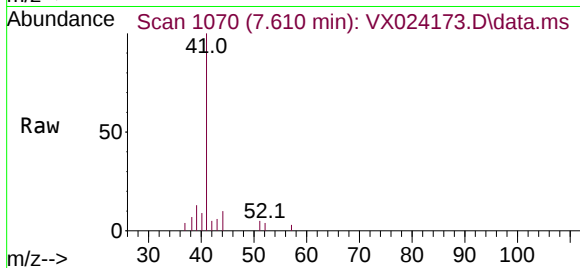
RT: 7.610 min Scan# 1070

Delta R.T. -0.092 min

Lab File: VX024173.D

Acq: 10 Sep 2021 18:06

Tgt Ion:	41	Resp:	4605
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	14.4	44.6	67.0#



#50

Toluene-d8

Concen: 49.247 ug/l

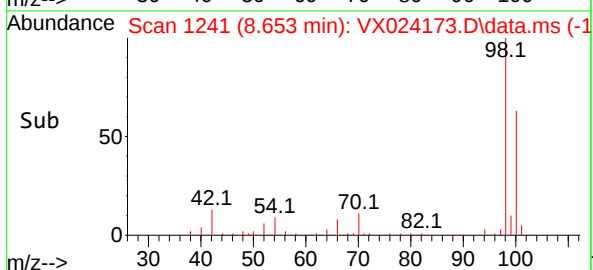
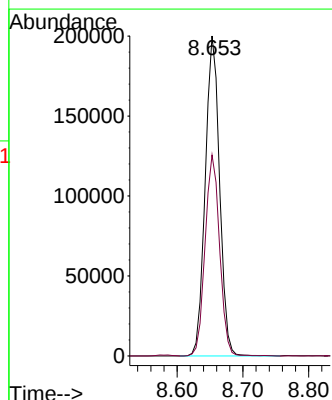
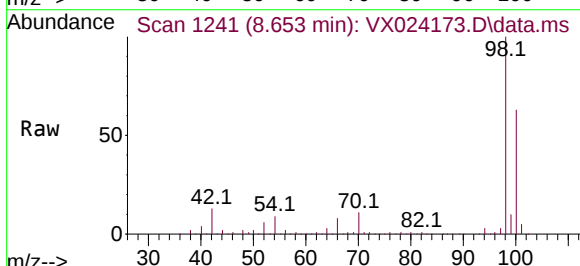
RT: 8.653 min Scan# 1241

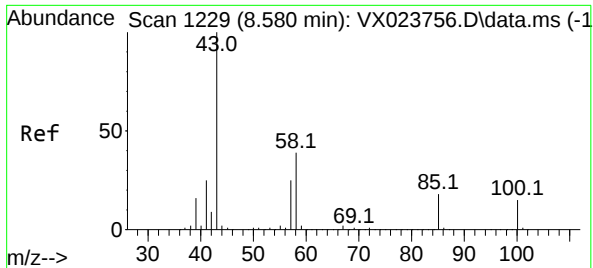
Delta R.T. -0.000 min

Lab File: VX024173.D

Acq: 10 Sep 2021 18:06

Tgt Ion:	98	Resp:	303671
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.9	77.9

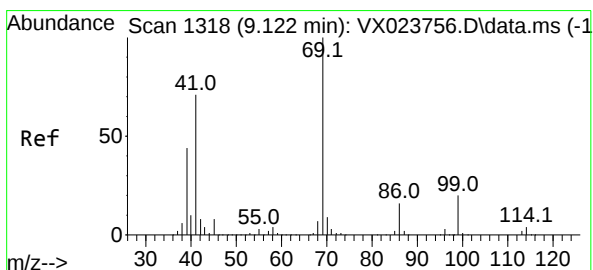
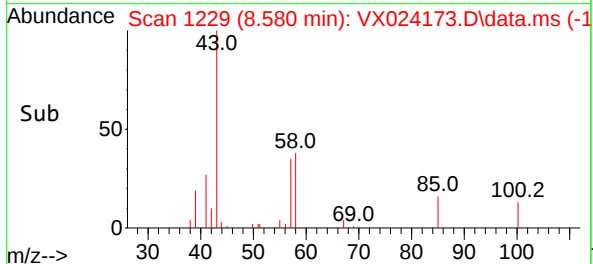
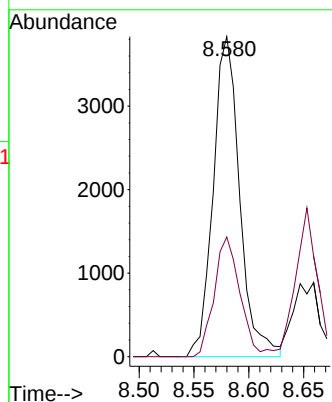
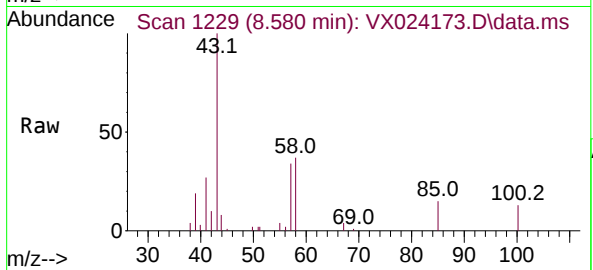




#51
4-Methyl-2-Pentanone
Concen: 2.287 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

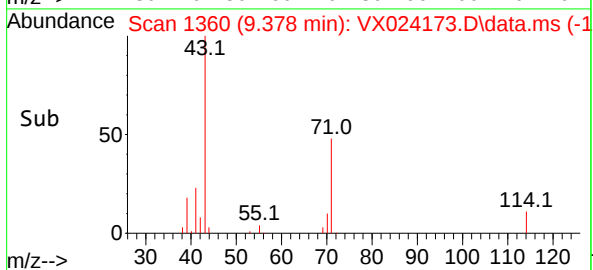
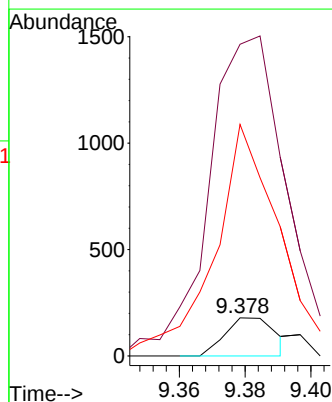
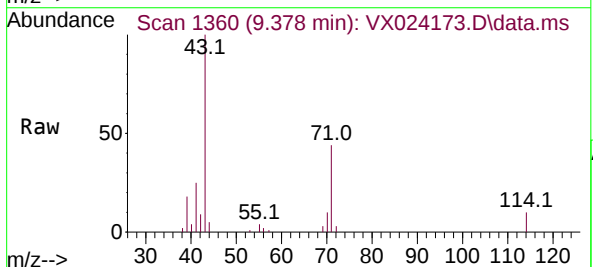
Instrument :
MSVOA_X
ClientSampled :

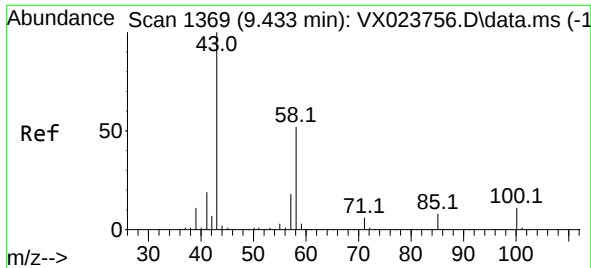
Tgt Ion: 43 Resp: 6444
Ion Ratio Lower Upper
43 100
58 36.8 35.4 53.0



#56
Ethyl methacrylate
Concen: 0.821 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. 0.256 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

Tgt Ion: 69 Resp: 192
Ion Ratio Lower Upper
69 100
41 1232.3 46.8 70.2#
39 746.4 24.7 37.1#

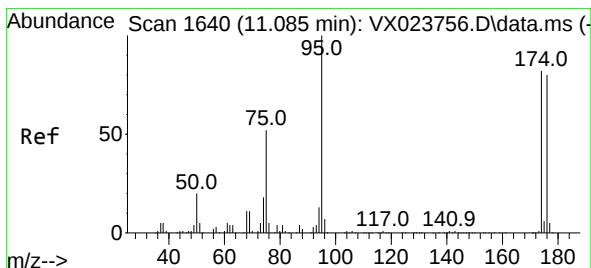
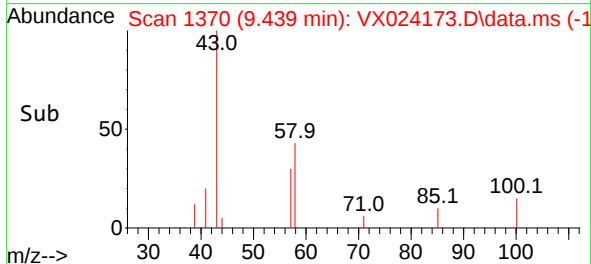
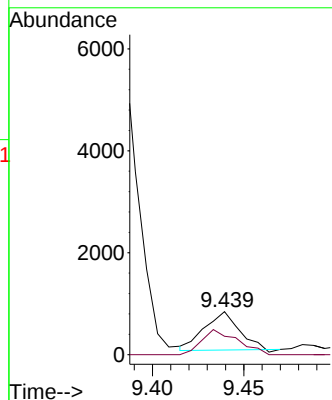
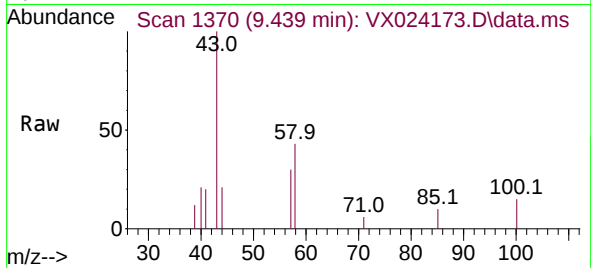




#59
2-Hexanone
Concen: 0.457 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

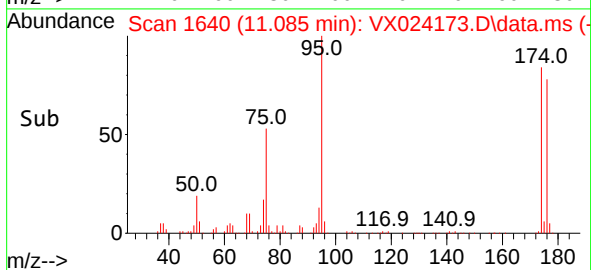
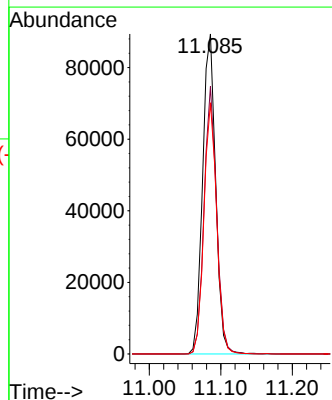
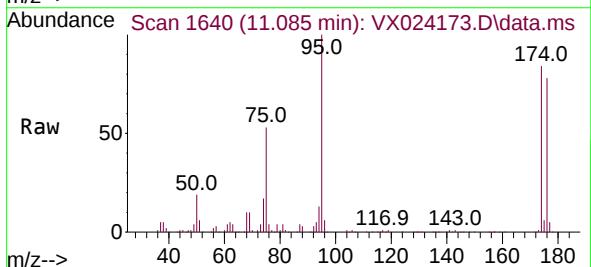
Instrument :
MSVOA_X
ClientSampled :

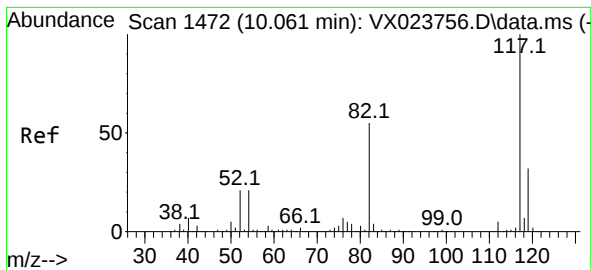
Tgt Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
58 68.3 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 49.815 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

Tgt Ion: 95 Resp: 113078
Ion Ratio Lower Upper
95 100
174 80.4 0.0 154.6
176 77.0 0.0 155.8

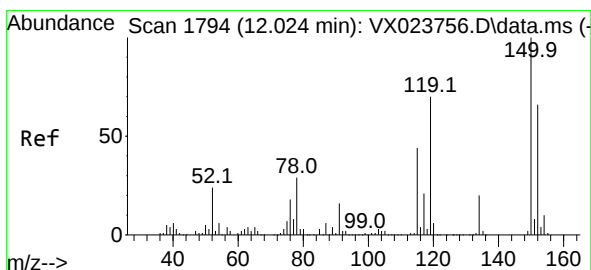
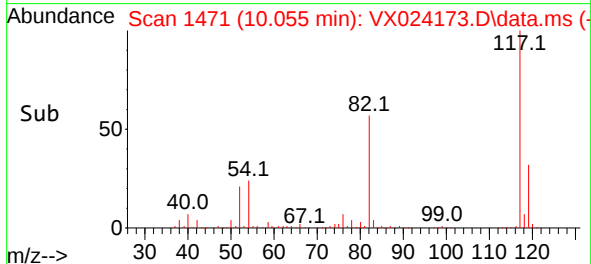
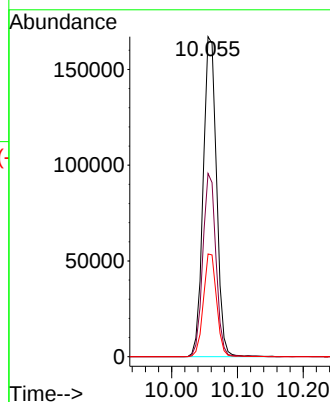
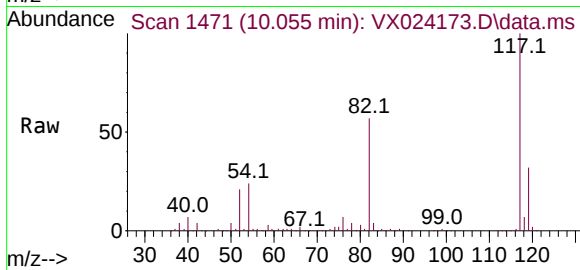




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

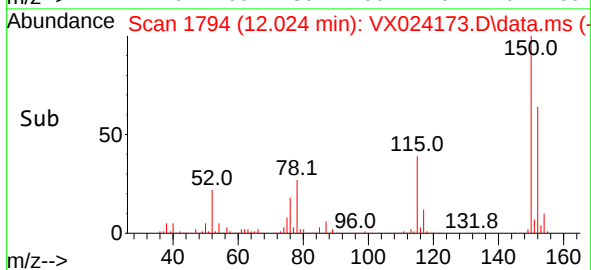
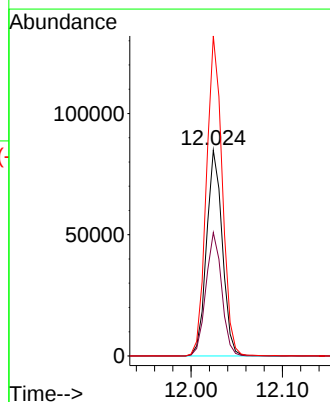
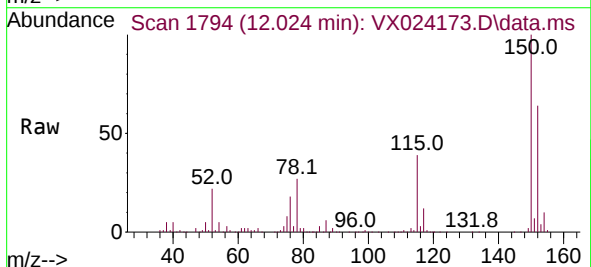
Instrument :
MSVOA_X
ClientSampleId :

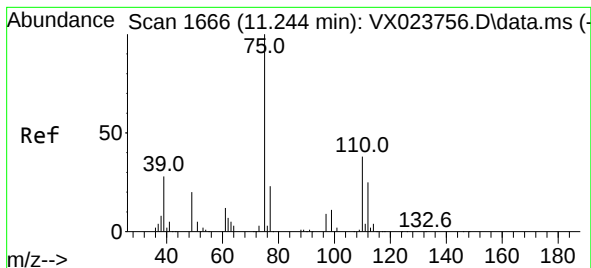
Tgt Ion:117 Resp: 236045
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

Tgt Ion:152 Resp: 101200
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 156.2 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 25.663 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX024173.D

Acq: 10 Sep 2021 18:06

Tgt Ion: 75 Resp: 60584

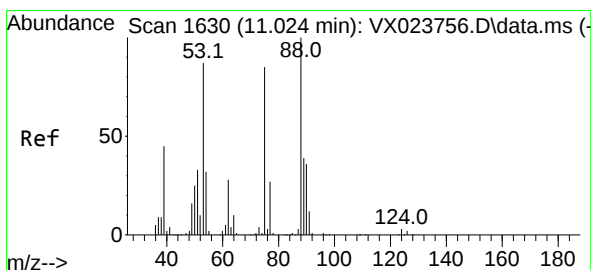
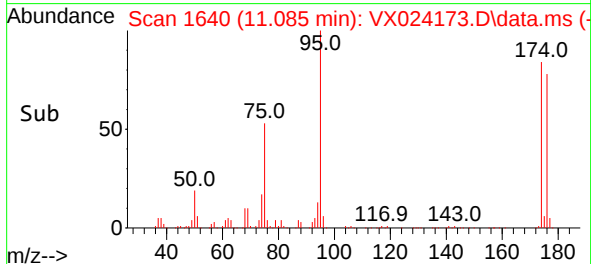
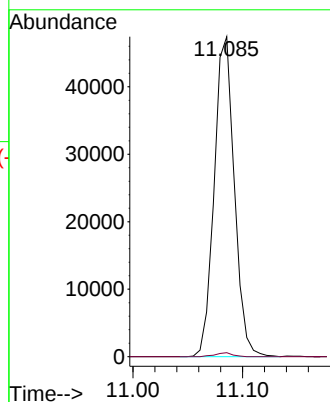
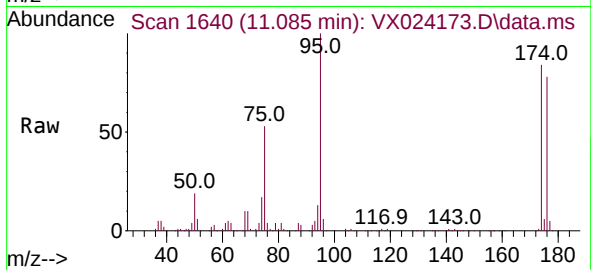
Ion Ratio Lower Upper

75 100
77 1.1 19.1 57.5#

Instrument :

MSVOA_X

ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 75.490 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

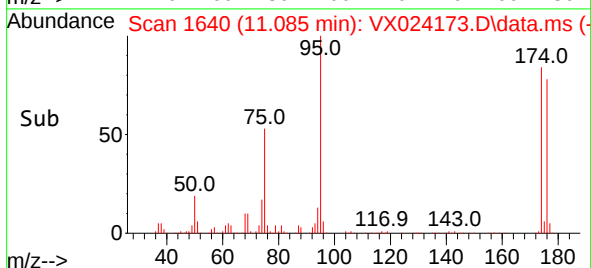
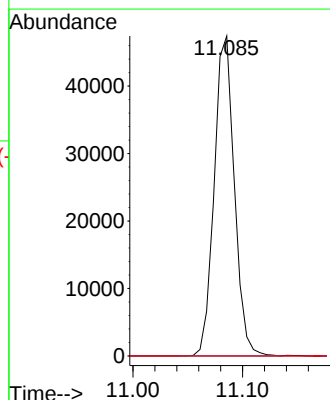
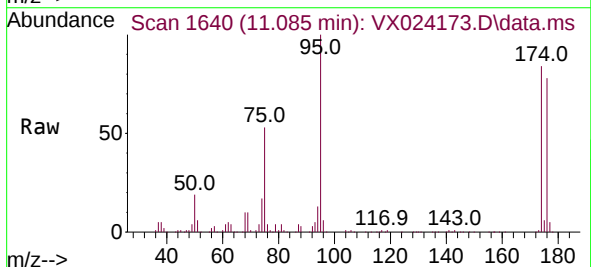
Lab File: VX024173.D

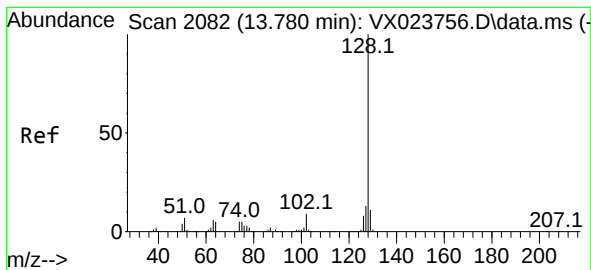
Acq: 10 Sep 2021 18:06

Tgt Ion: 75 Resp: 60584

Ion Ratio Lower Upper

75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 2.578 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024173.D
Acq: 10 Sep 2021 18:06

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	12.1	8.8	13.2

