

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080921\
 Data File : VX023614.D
 Acq On : 09 Aug 2021 15:17
 Operator : JC/MD
 Sample : M3262-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 10 03:58:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 Response via : Initial Calibration

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

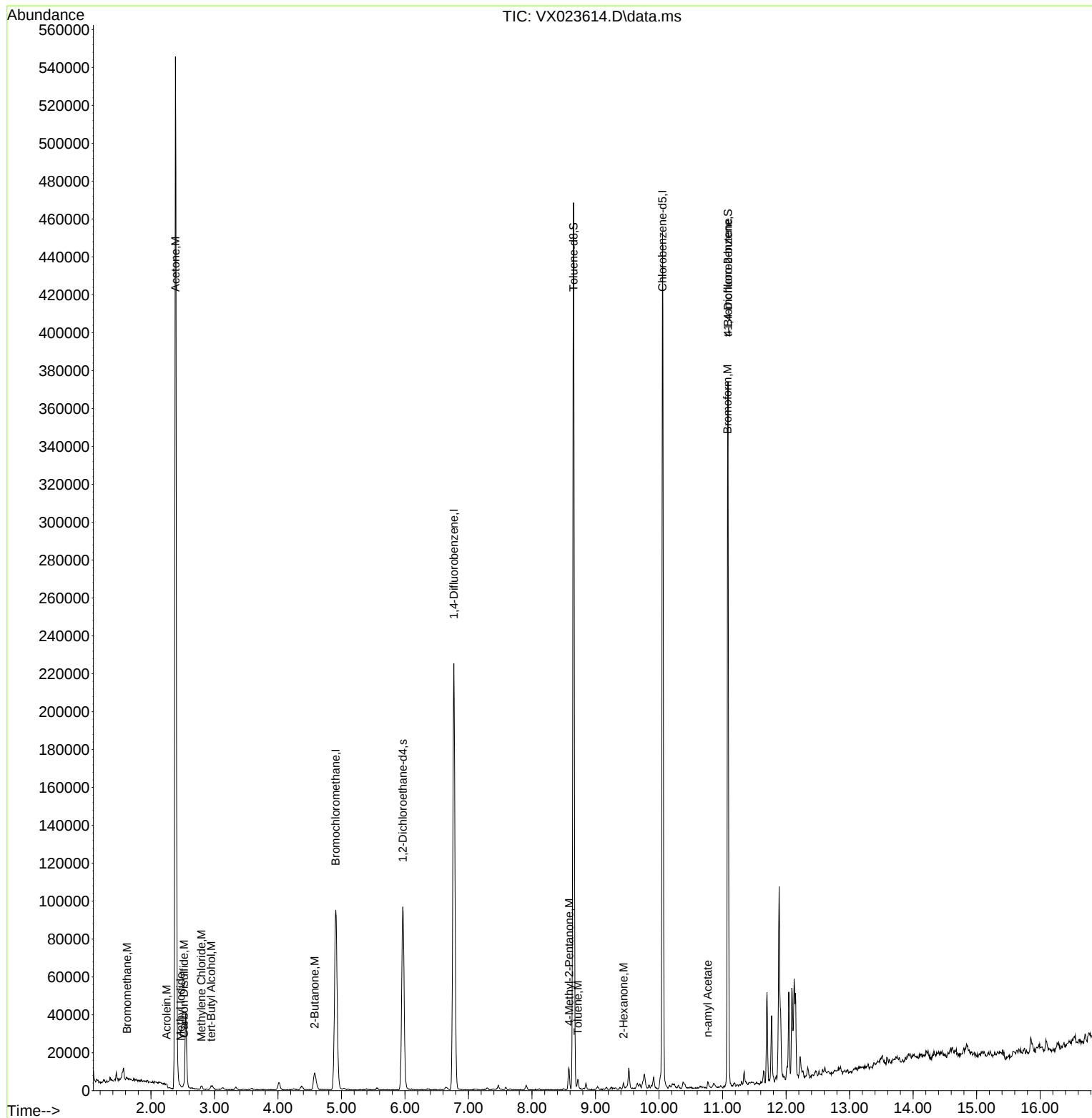
Internal Standards						
1) Bromochloromethane	4.910	128	39591	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	223299	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	197347	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	95380	31.15	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.83%			
60) 4-Bromofluorobenzene	11.085	95	93854	29.04	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.80%			
63) Toluene-d8	8.653	98	266972	30.06	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.20%			
Target Compounds						Qvalue
5) Bromomethane	1.624	94	670	0.43	ug/l	87
11) Methyl Iodide	2.465	142	1201	0.37	ug/l	83
13) Acrolein	2.246	56	149	0.40	ug/l #	12
15) Acetone	2.386	58	167304	364.79	ug/l	100
16) Carbon Disulfide	2.520	76	2057	0.36	ug/l #	87
18) Methylene Chloride	2.794	84	880	0.33	ug/l	99
23) tert-Butyl Alcohol	2.947	59	665	0.97	ug/l #	100
30) 2-Butanone	4.574	43	14712	6.31	ug/l	93
47) n-amyl Acetate	10.768	43	1363	0.23	ug/l	100
56) Bromoform	11.079	173	736	0.36	ug/l #	1
58) 4-Methyl-2-Pentanone	8.586	43	7304	1.72	ug/l	99
59) 2-Hexanone	9.439	43	951	0.29	ug/l #	67
62) Toluene	8.720	91	2631	0.24	ug/l	94
77) t-1,4-Dichloro-2-butene	11.085	75	48339	36.46	ug/l #	7

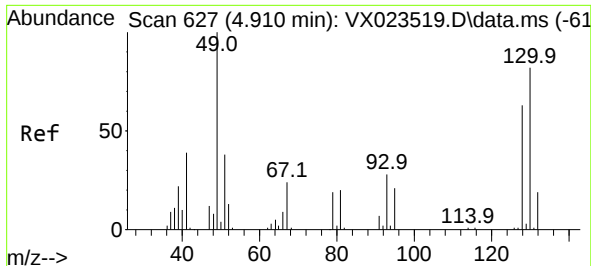
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080921\
Data File : VX023614.D
Acq On : 09 Aug 2021 15:17
Operator : JC/MD
Sample : M3262-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 10 03:58:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Aug 03 12:05:42 2021
Response via : Initial Calibration

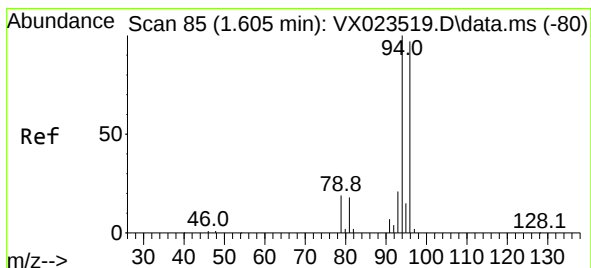
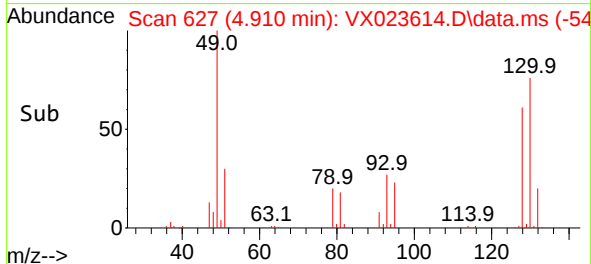
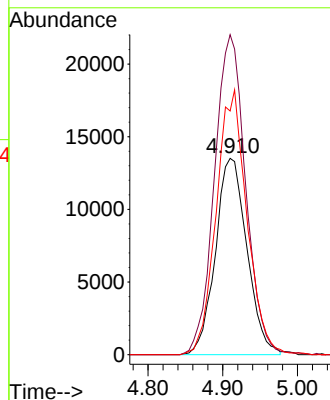
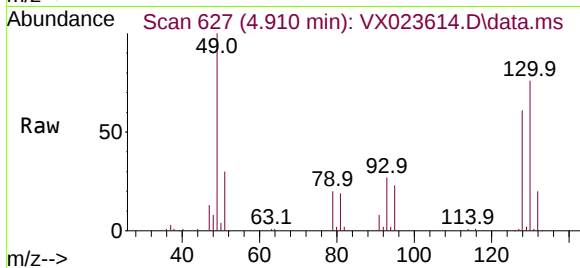




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

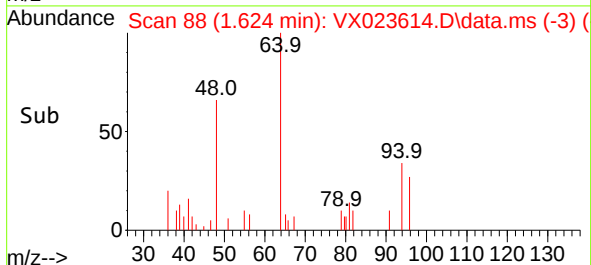
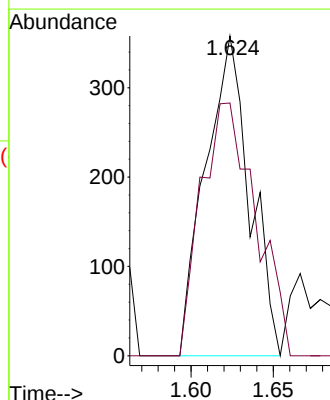
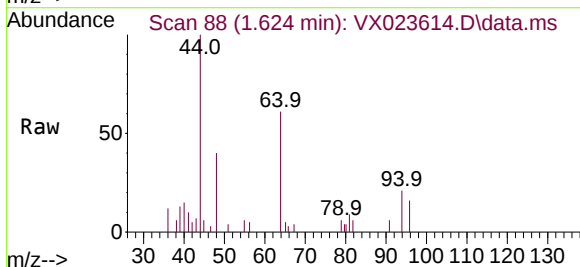
Instrument :
MSVOA_X
ClientSampleId :

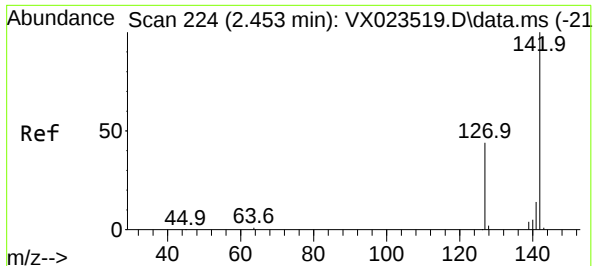
Tgt Ion:128 Resp: 39591
Ion Ratio Lower Upper
128 100
49 161.9 0.0 402.5
130 131.5 0.0 326.5



#5
Bromomethane
Concen: 0.43 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.018 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

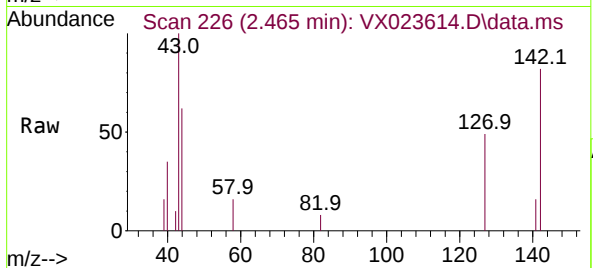
Tgt Ion: 94 Resp: 670
Ion Ratio Lower Upper
94 100
96 79.1 72.8 109.2



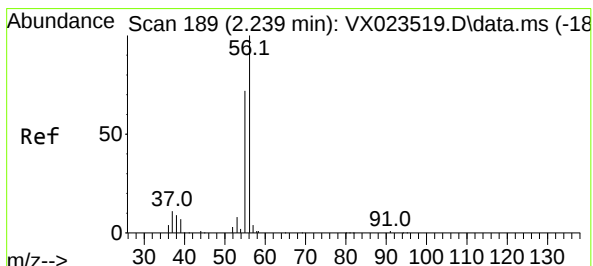
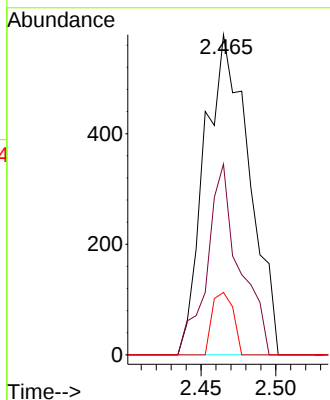
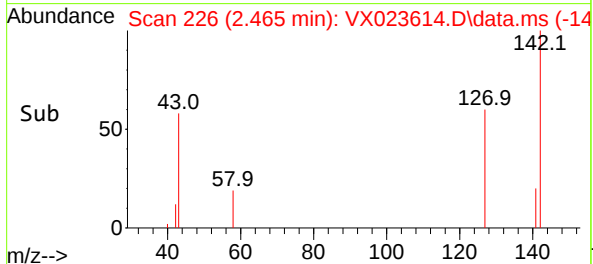


#11
Methyl Iodide
Concen: 0.37 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

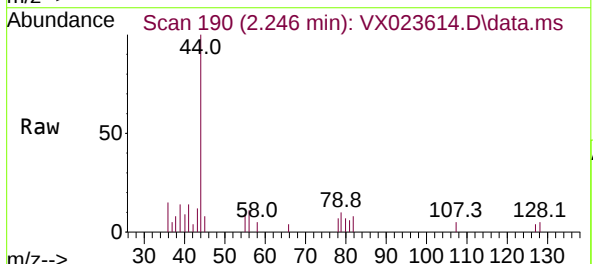
Instrument :
MSVOA_X
ClientSampleId :



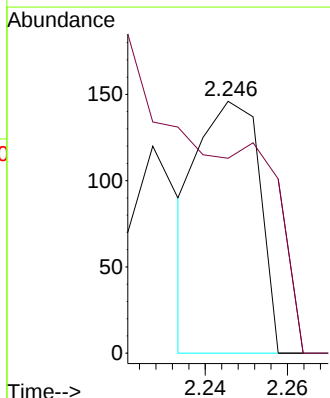
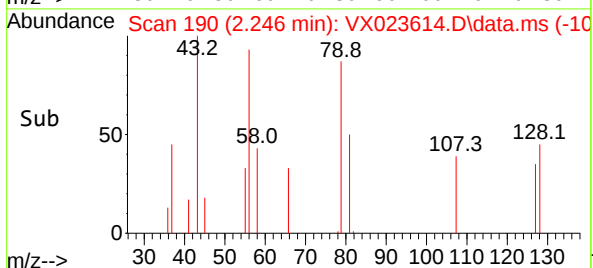
Tgt Ion:142 Resp: 1201
Ion Ratio Lower Upper
142 100
127 59.6 23.6 71.0
141 19.5 7.1 21.3

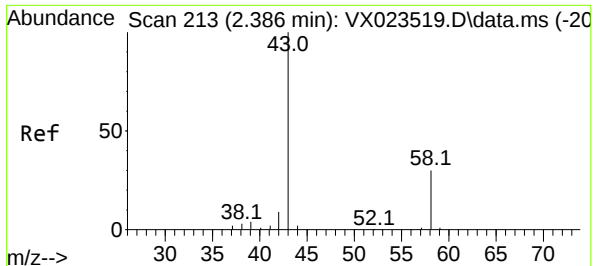


#13
Acrolein
Concen: 0.40 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17



Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 0.0 59.5 89.3#

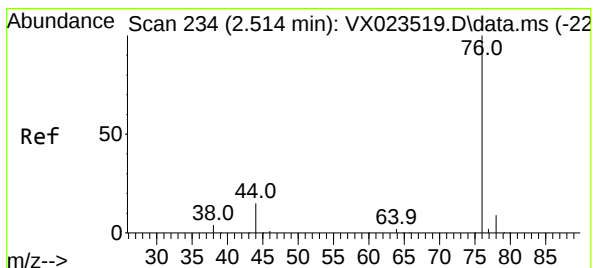
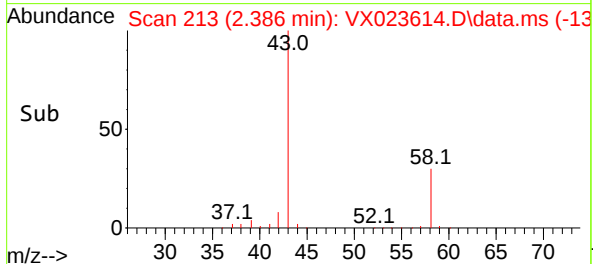
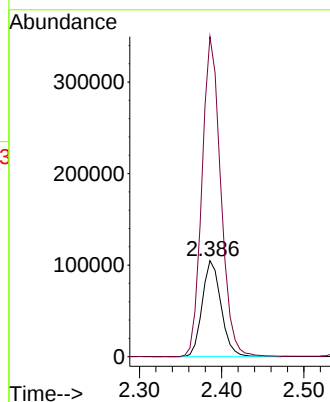
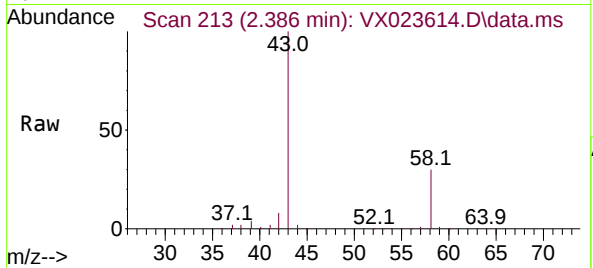




#15
Acetone
Concen: 364.79 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

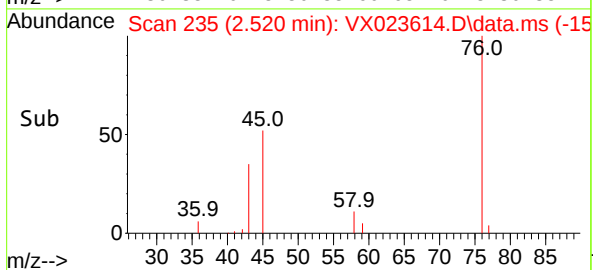
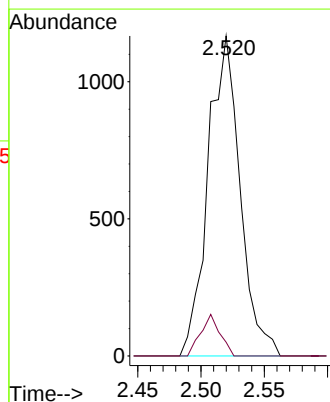
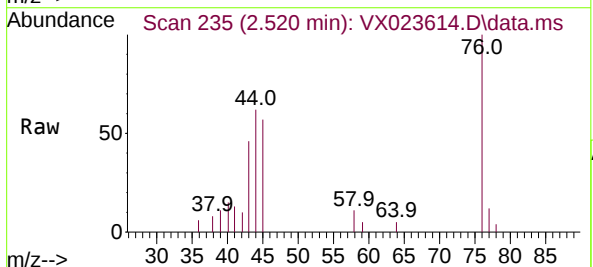
Instrument :
MSVOA_X
ClientSampleId :

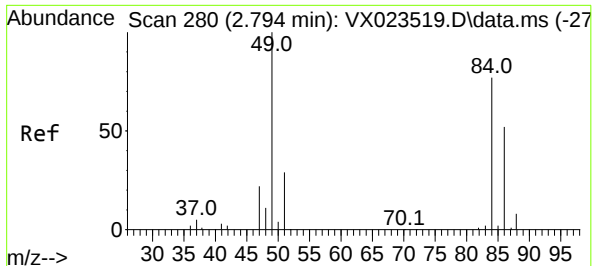
Tgt Ion: 58 Resp: 167304
Ion Ratio Lower Upper
58 100
43 332.8 266.6 400.0



#16
Carbon Disulfide
Concen: 0.36 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

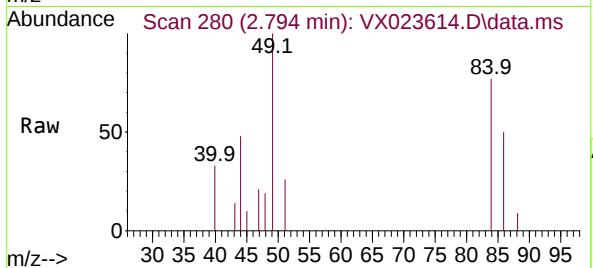
Tgt Ion: 76 Resp: 2057
Ion Ratio Lower Upper
76 100
78 4.3 7.3 10.9#





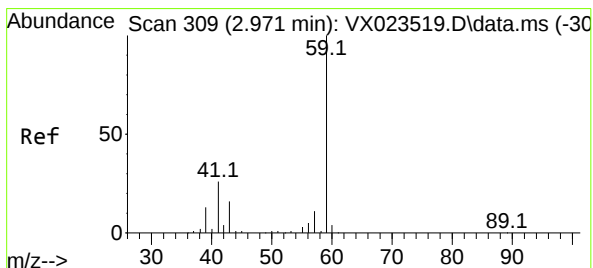
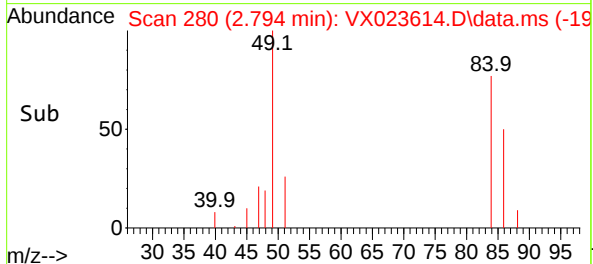
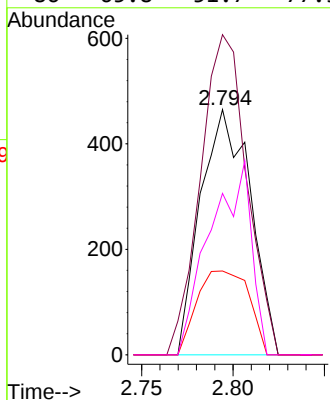
#18
Methylene Chloride
Concen: 0.33 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 880

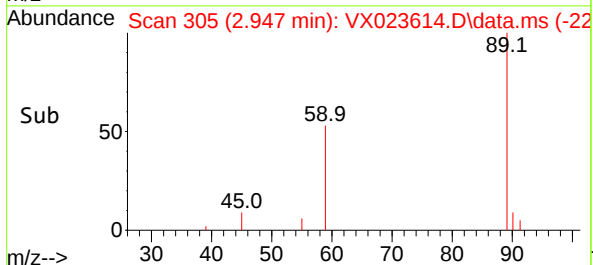
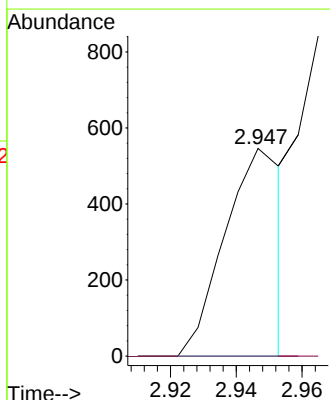
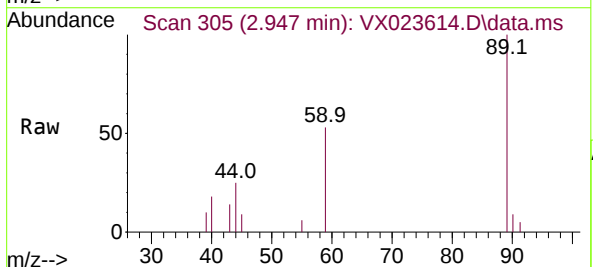
Ion	Ratio	Lower	Upper
84	100		
49	130.5	104.3	156.5
51	34.2	30.3	45.5
86	65.8	51.7	77.5

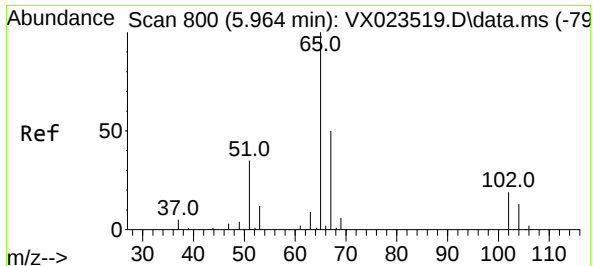


#23
tert-Butyl Alcohol
Concen: 0.97 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

Tgt Ion: 59 Resp: 665

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#





#27

1,2-Dichloroethane-d4

Concen: 31.15 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023614.D

Acq: 09 Aug 2021 15:17

Tgt Ion: 65 Resp: 95380

Ion Ratio Lower Upper

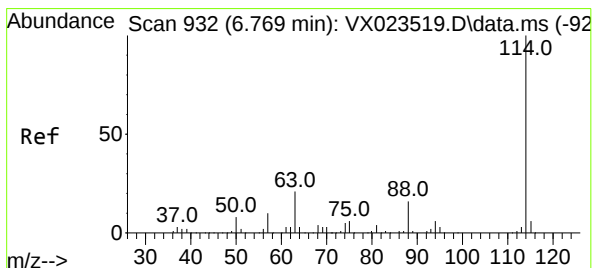
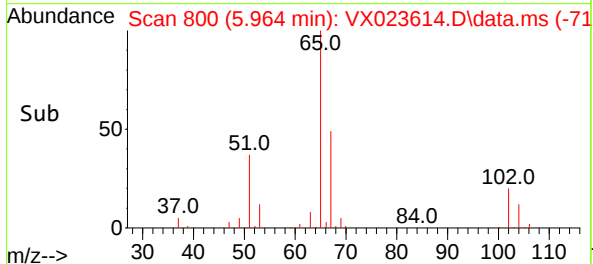
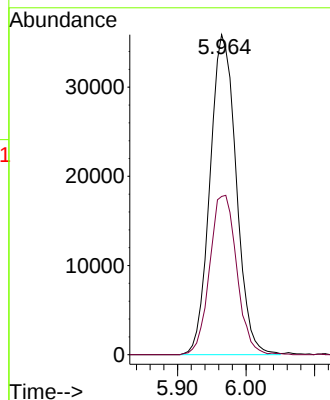
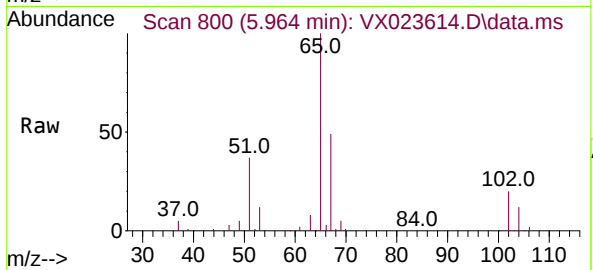
65 100

67 51.2 42.4 63.6

Instrument :

MSVOA_X

ClientSampleId :



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX023614.D

Acq: 09 Aug 2021 15:17

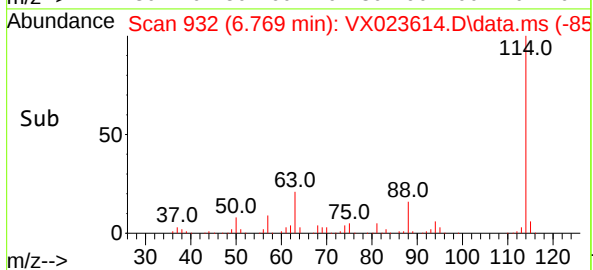
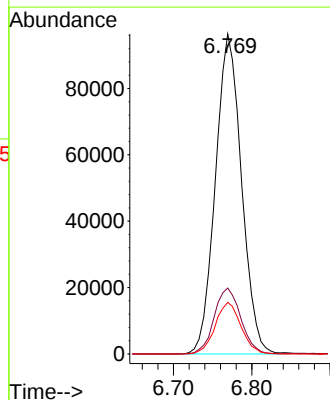
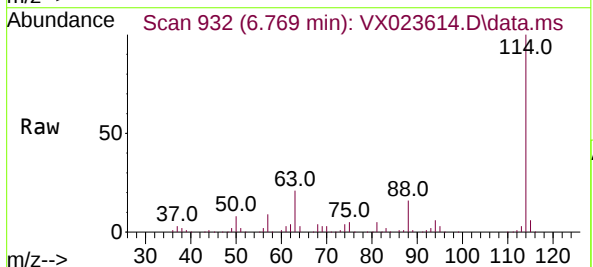
Tgt Ion: 114 Resp: 223299

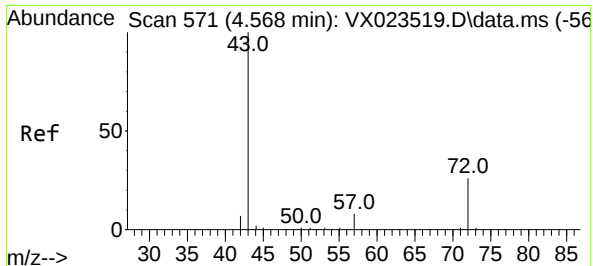
Ion Ratio Lower Upper

114 100

63 21.0 16.4 24.6

88 16.0 12.7 19.1

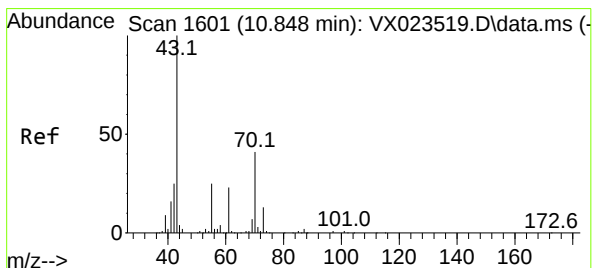
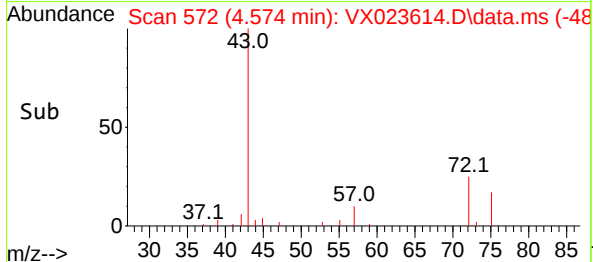
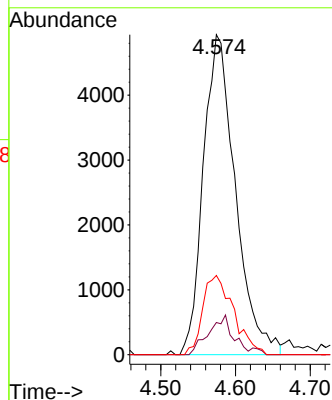
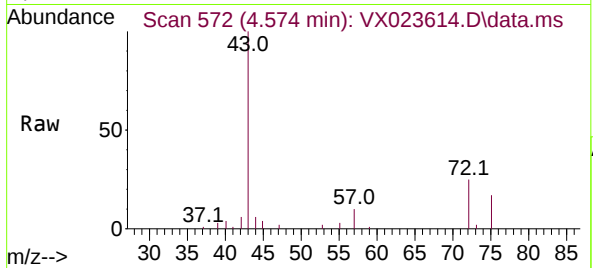




#30
2-Butanone
Concen: 6.31 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

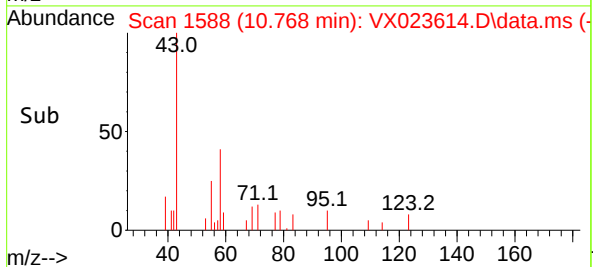
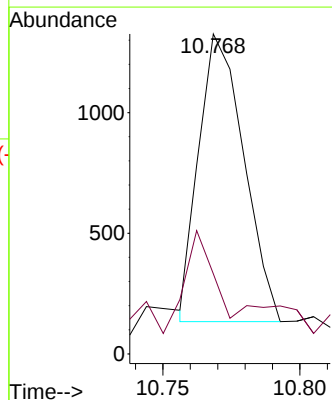
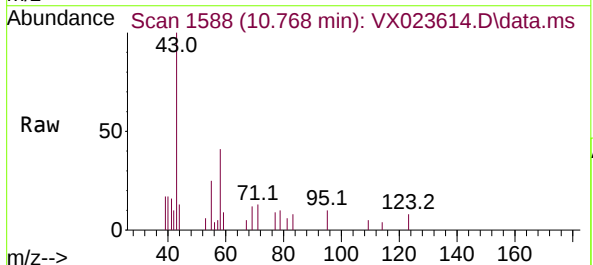
Instrument :
MSVOA_X
ClientSampled :

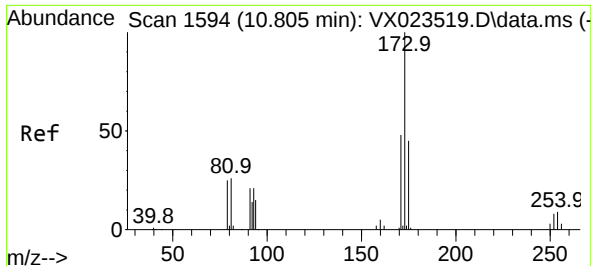
Tgt Ion: 43 Resp: 14712
Ion Ratio Lower Upper
43 100
57 8.3 6.6 9.8
72 21.4 21.0 31.4



#47
n-amy1 Acetate
Concen: 0.23 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.079 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

Tgt Ion: 43 Resp: 1363
Ion Ratio Lower Upper
43 100
55 23.5 18.9 28.3

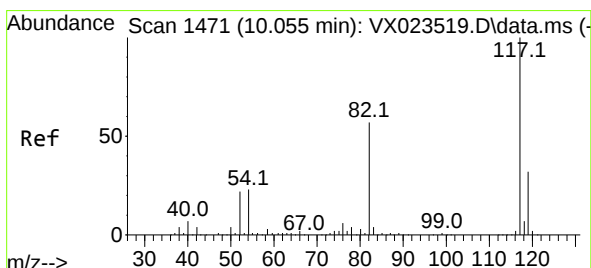
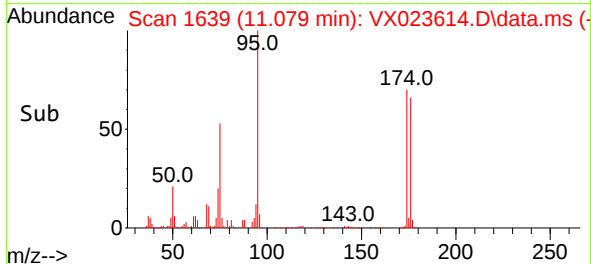
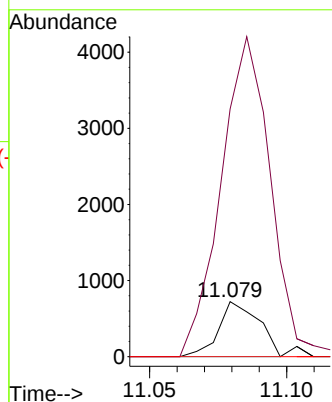
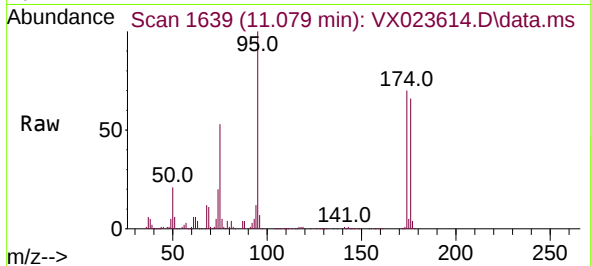




#56
Bromoform
Concen: 0.36 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.274 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

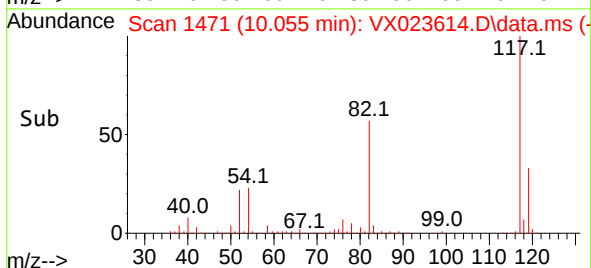
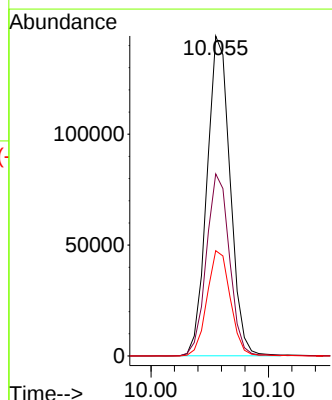
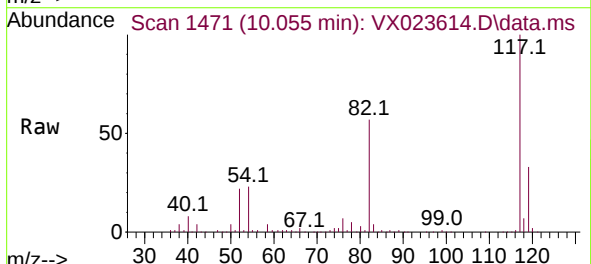
Instrument :
MSVOA_X
ClientSampleId :

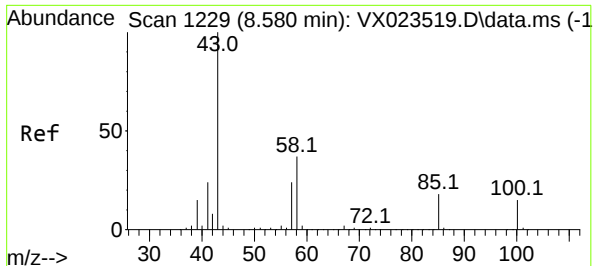
Tgt Ion:173 Resp: 736
Ion Ratio Lower Upper
173 100
175 713.7 38.4 57.6#
254 0.0 7.3 10.9#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

Tgt Ion:117 Resp: 197347
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 33.2 26.2 39.2

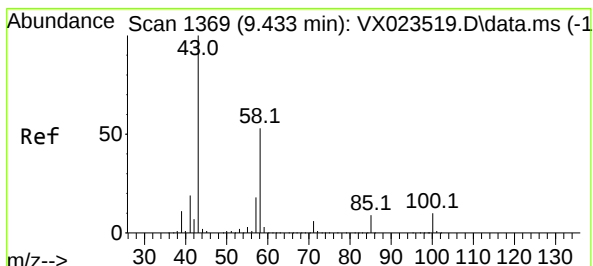
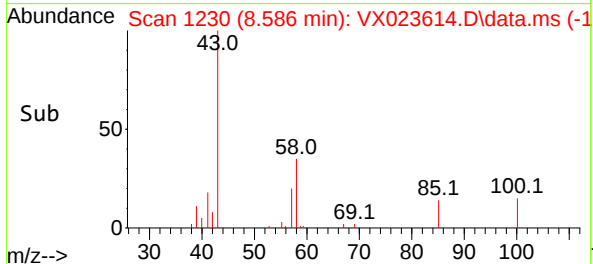
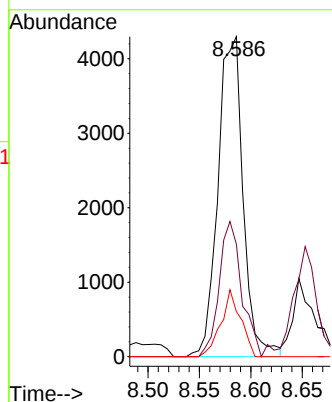
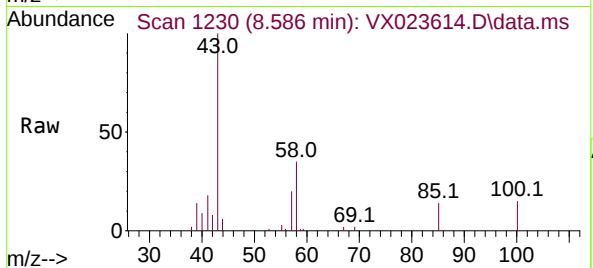




#58
4-Methyl-2-Pentanone
Concen: 1.72 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

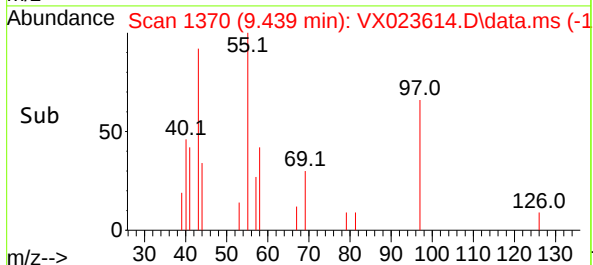
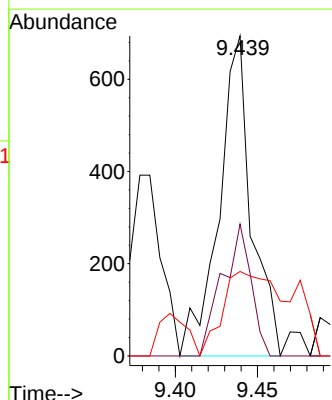
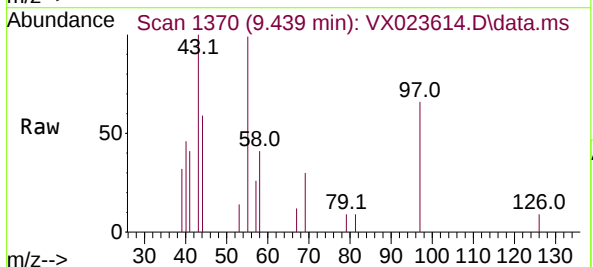
Instrument :
MSVOA_X
ClientSampleId :

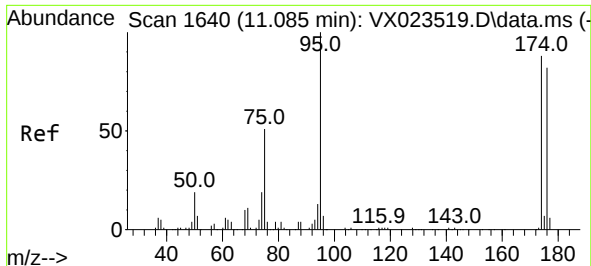
Tgt Ion: 43 Resp: 7304
Ion Ratio Lower Upper
43 100
58 37.9 30.5 45.7
85 16.4 14.0 21.0



#59
2-Hexanone
Concen: 0.29 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
58 36.7 42.1 63.1#
57 46.5 14.9 22.3#

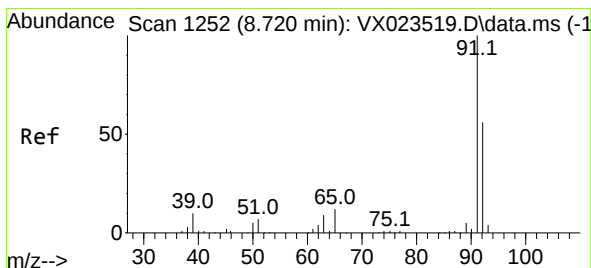
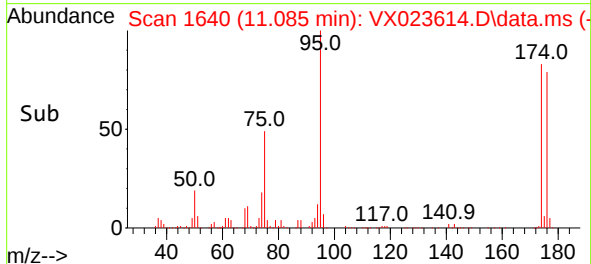
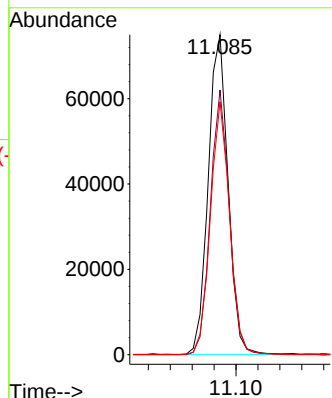
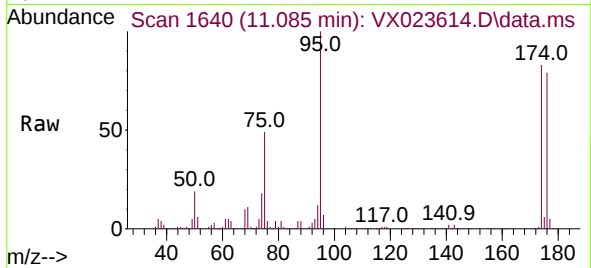




#60
4-Bromofluorobenzene
Concen: 29.04 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

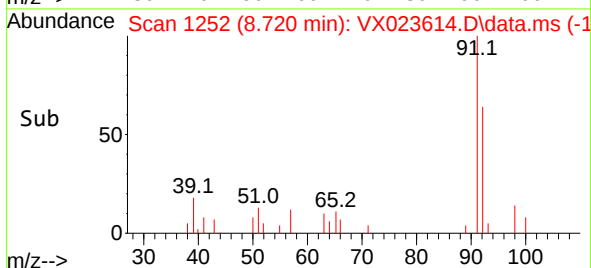
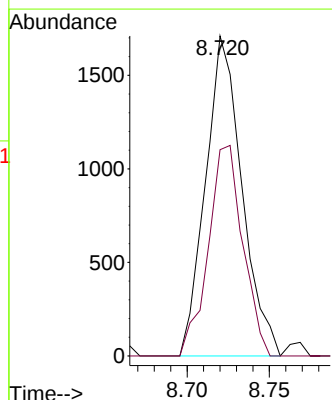
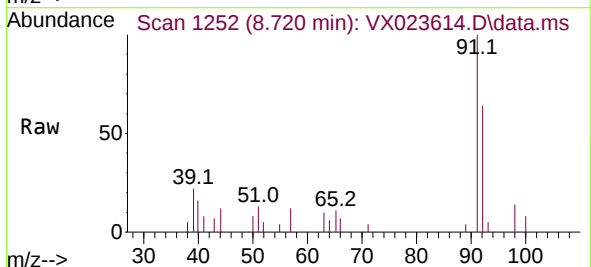
Instrument :
MSVOA_X
ClientSampleId :

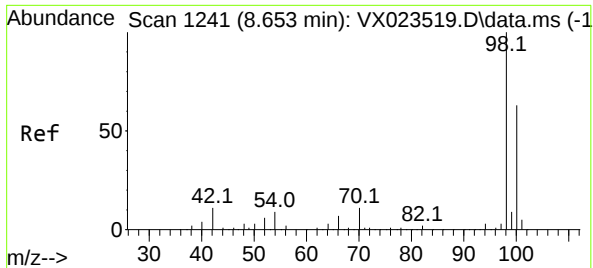
Tgt Ion: 95 Resp: 93854
Ion Ratio Lower Upper
95 100
174 79.9 63.5 95.3
176 76.6 63.0 94.4



#62
Toluene
Concen: 0.24 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

Tgt Ion: 91 Resp: 2631
Ion Ratio Lower Upper
91 100
92 62.4 46.5 69.7

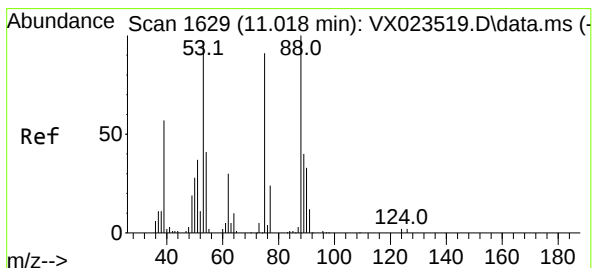
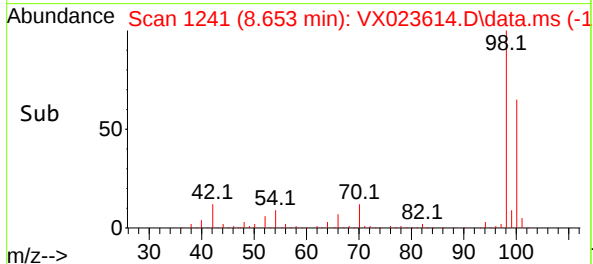
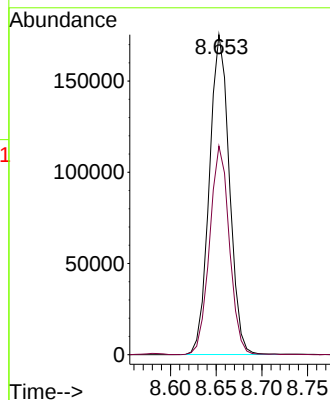
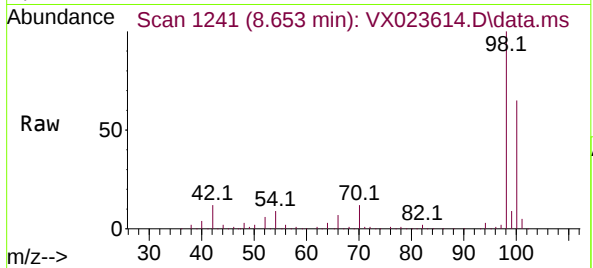




#63
Toluene-d8
Concen: 30.06 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 98 Resp: 266972
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#77
t-1,4-Dichloro-2-butene
Concen: 36.46 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX023614.D
Acq: 09 Aug 2021 15:17

Tgt Ion: 75 Resp: 48339
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.9 68.7#

