

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080921\
 Data File : VX023613.D
 Acq On : 09 Aug 2021 14:53
 Operator : JC/MD
 Sample : M3262-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 10 03:58:27 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)

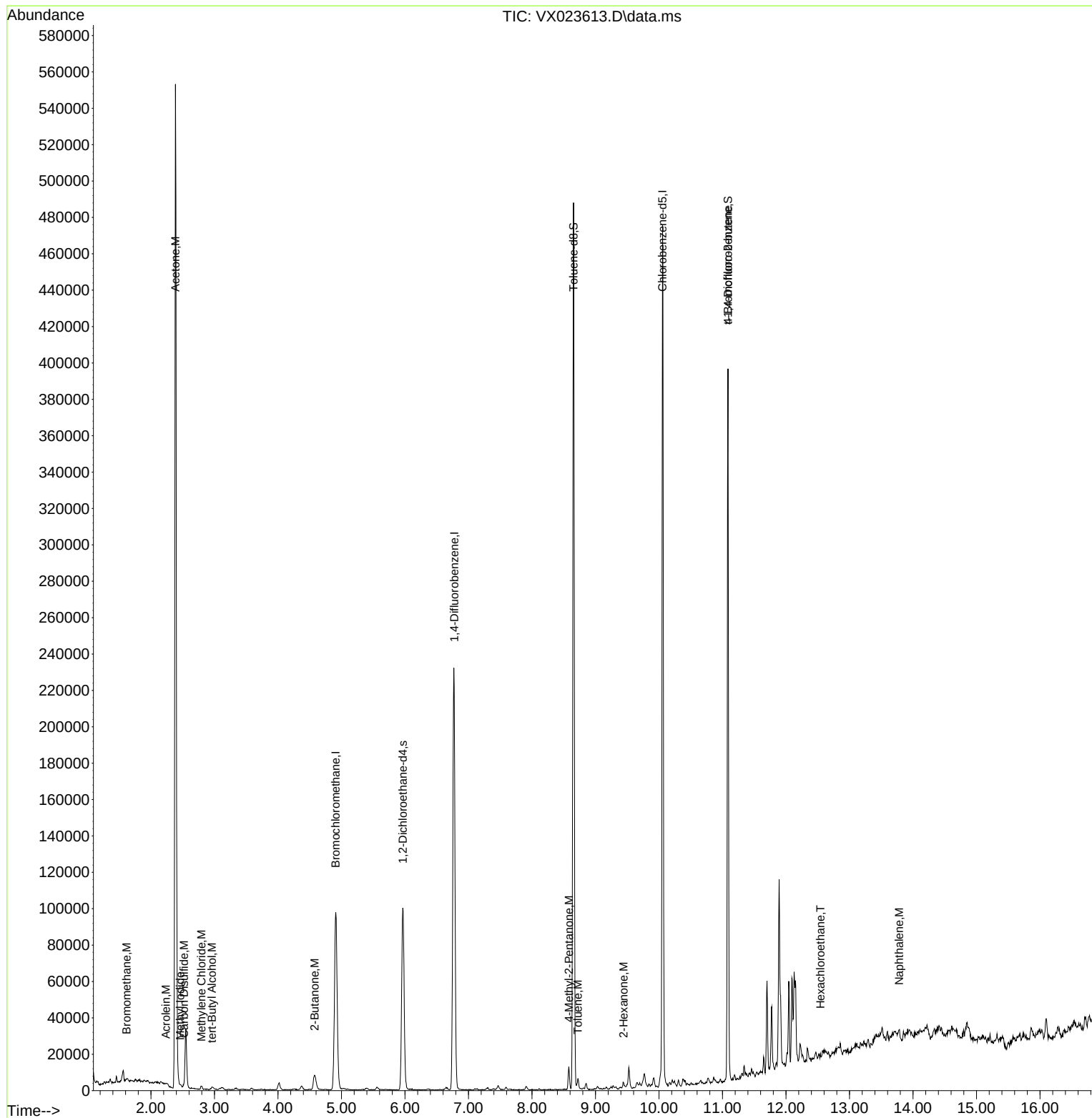
Internal Standards						
1) Bromochloromethane	4.910	128	41490	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.775	114	232381	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	210103	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	99829	31.11	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.70%
60) 4-Bromofluorobenzene	11.085	95	99604	28.94	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.47%
63) Toluene-d8	8.653	98	280430	29.66	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.87%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	853	0.53	ug/l #	73
11) Methyl Iodide	2.459	142	1636	0.48	ug/l	79
13) Acrolein	2.233	56	219	0.55	ug/l #	63
15) Acetone	2.386	58	169601	352.87	ug/l	99
16) Carbon Disulfide	2.520	76	2239	0.38	ug/l #	79
18) Methylene Chloride	2.794	84	715	0.25	ug/l #	72
23) tert-Butyl Alcohol	2.959	59	742	1.03	ug/l #	100
30) 2-Butanone	4.574	43	14837	6.12	ug/l #	77
58) 4-Methyl-2-Pentanone	8.580	43	7689	1.70	ug/l	94
59) 2-Hexanone	9.439	43	1041	0.30	ug/l #	89
62) Toluene	8.720	91	3181	0.27	ug/l	99
77) t-1,4-Dichloro-2-butene	11.085	75	52266	37.03	ug/l #	7
86) Hexachloroethane	12.543	117	435	0.24	ug/l	79
91) Naphthalene	13.780	128	2421	0.20	ug/l #	85

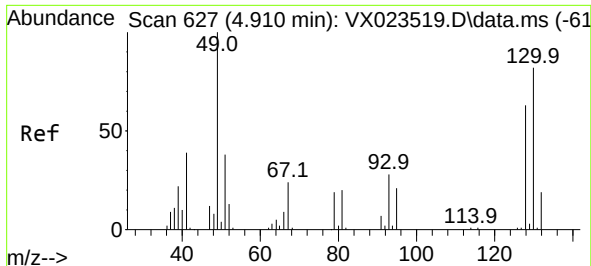
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080921\
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 10 03:58:27 2021
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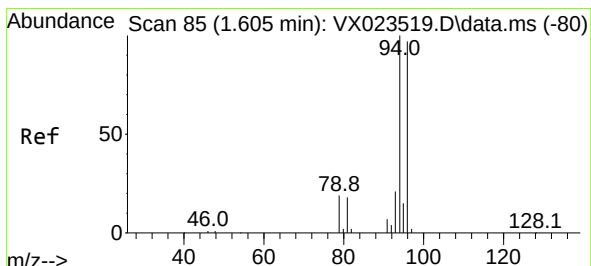
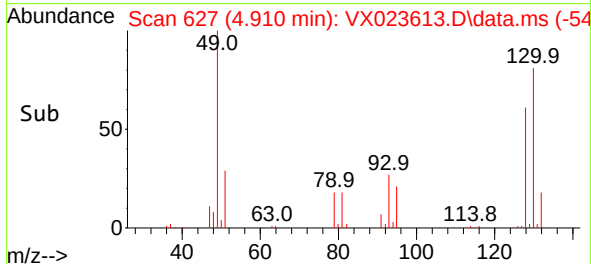
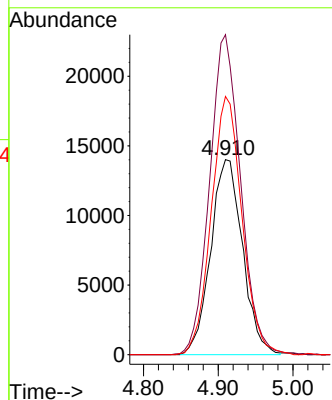
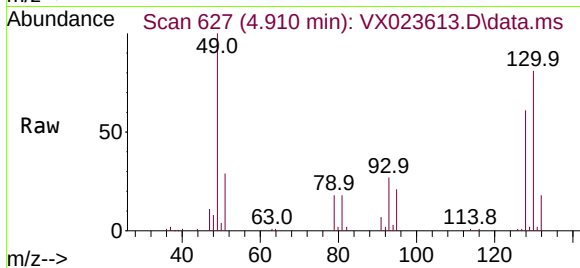




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

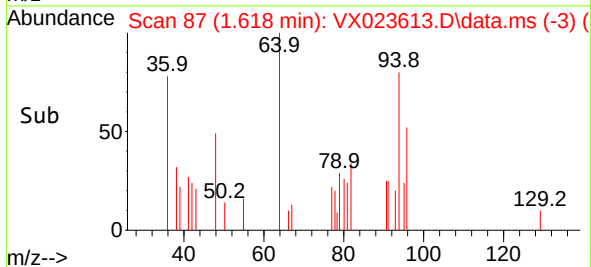
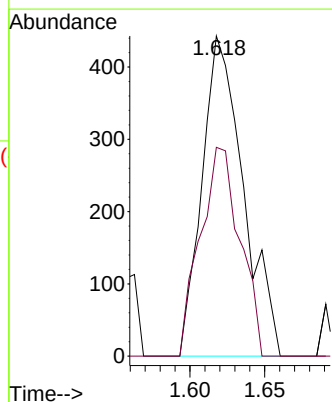
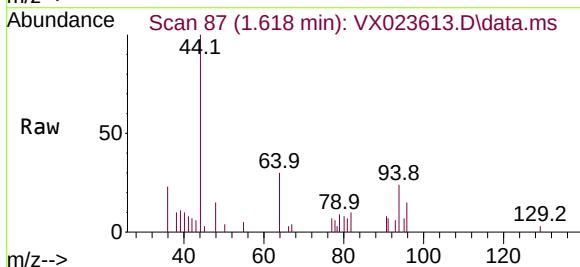
Instrument :
MSVOA_X
ClientSampled :

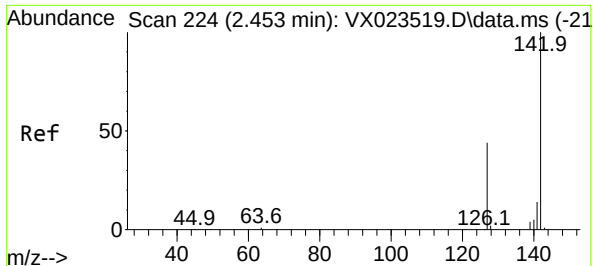
Tgt Ion:128 Resp: 41490
Ion Ratio Lower Upper
128 100
49 159.5 0.0 402.5
130 128.4 0.0 326.5



#5
Bromomethane
Concen: 0.53 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

Tgt Ion: 94 Resp: 853
Ion Ratio Lower Upper
94 100
96 65.2 72.8 109.2#





#11

Methyl Iodide

Concen: 0.48 ug/l

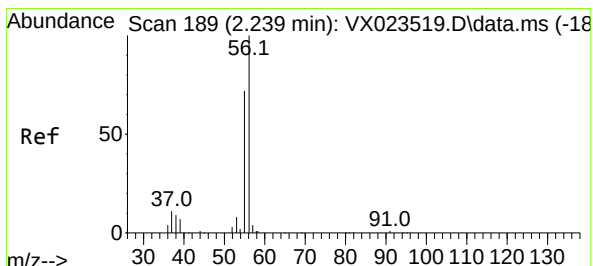
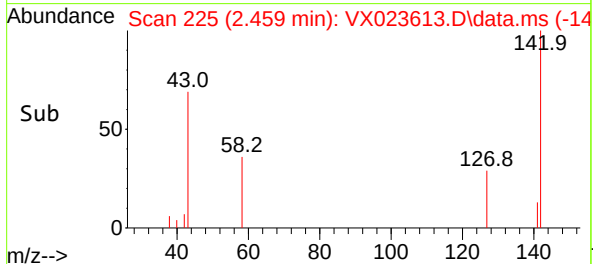
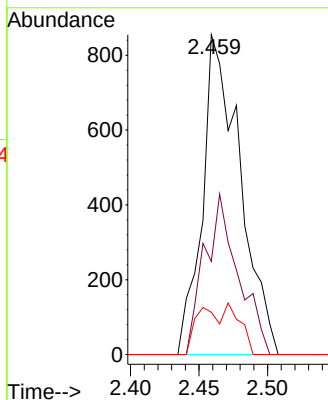
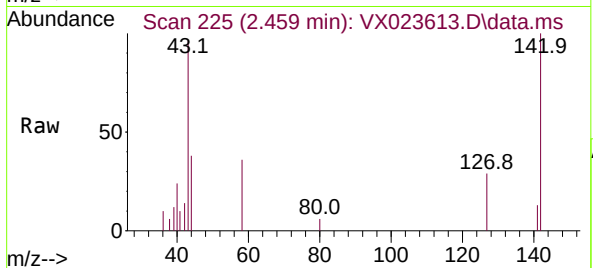
RT: 2.459 min Scan# 225

Delta R.T. 0.006 min

Lab File: VX023613.D

Acq: 09 Aug 2021 14:53

Tgt Ion:	142	Resp:	1636
Ion	Ratio	Lower	Upper
142	100		
127	29.1	23.6	71.0
141	13.2	7.1	21.3



#13

Acrolein

Concen: 0.55 ug/l

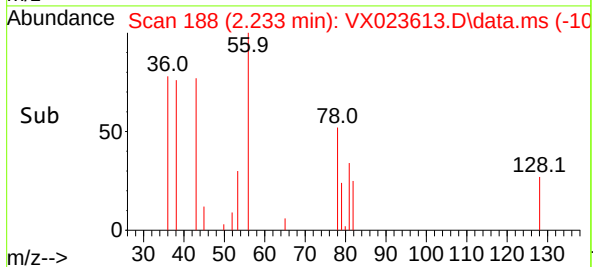
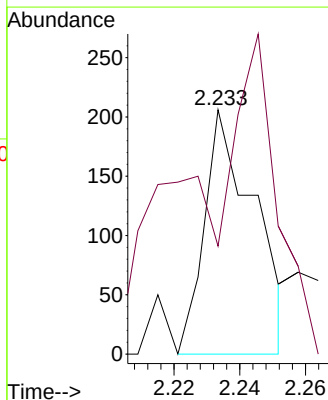
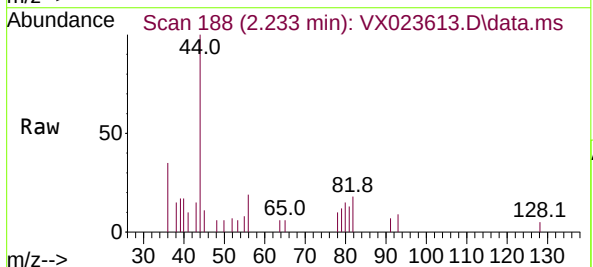
RT: 2.233 min Scan# 188

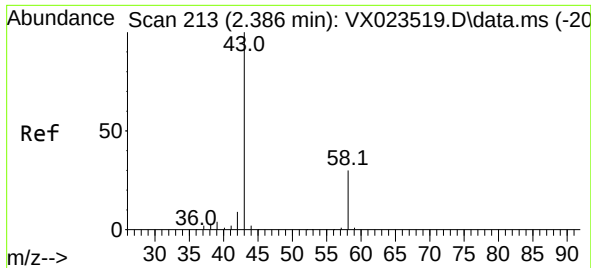
Delta R.T. -0.006 min

Lab File: VX023613.D

Acq: 09 Aug 2021 14:53

Tgt Ion:	56	Resp:	219
Ion	Ratio	Lower	Upper
56	100		
55	105.9	59.5	89.3#

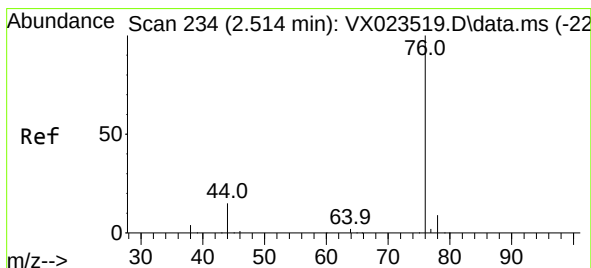
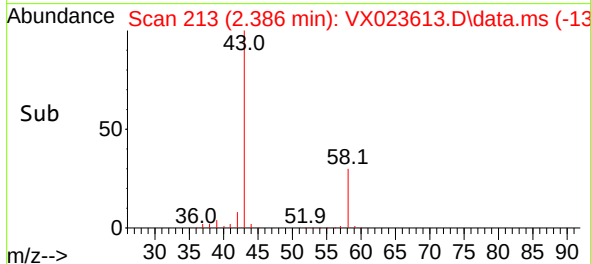
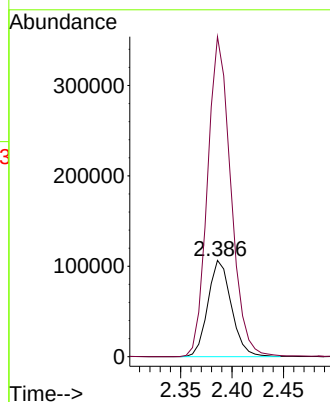
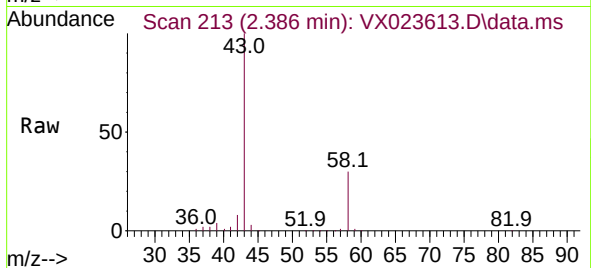




#15
Acetone
Concen: 352.87 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

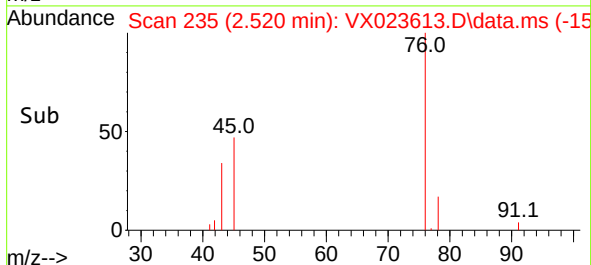
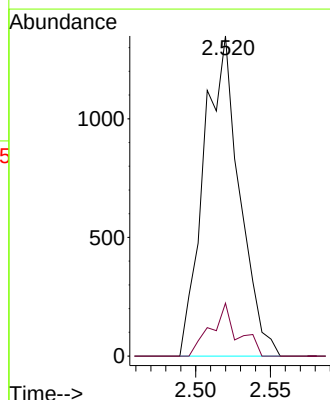
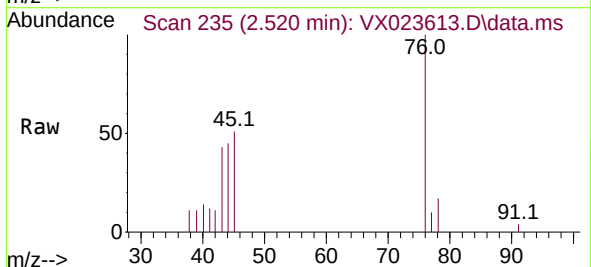
Instrument :
MSVOA_X
ClientSampleId :

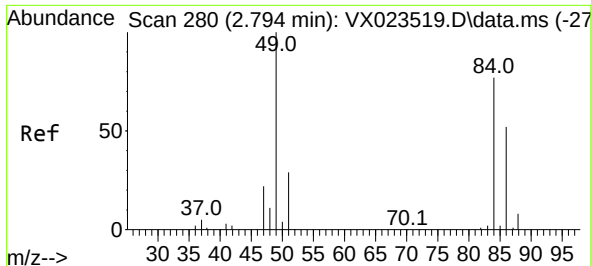
Tgt Ion: 58 Resp: 169601
Ion Ratio Lower Upper
58 100
43 332.1 266.6 400.0



#16
Carbon Disulfide
Concen: 0.38 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

Tgt Ion: 76 Resp: 2239
Ion Ratio Lower Upper
76 100
78 16.5 7.3 10.9#

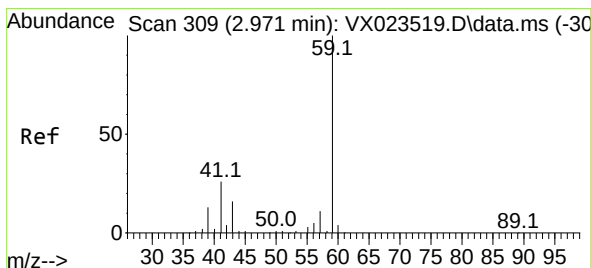
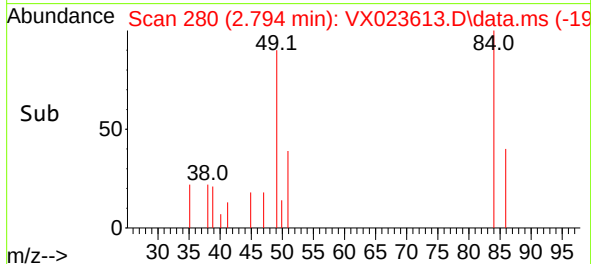
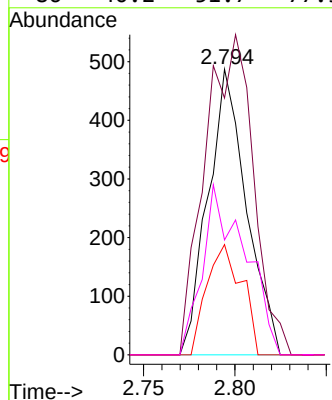
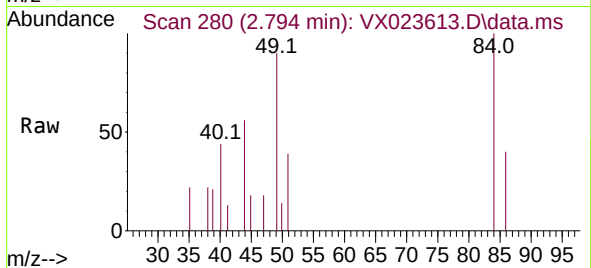




#18
Methylene Chloride
Concen: 0.25 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

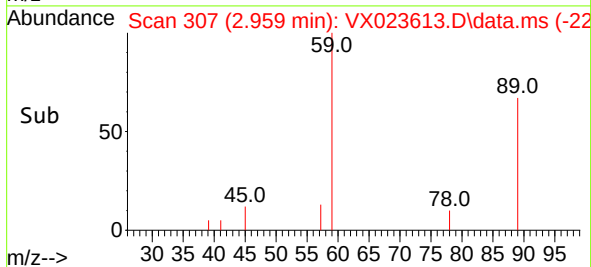
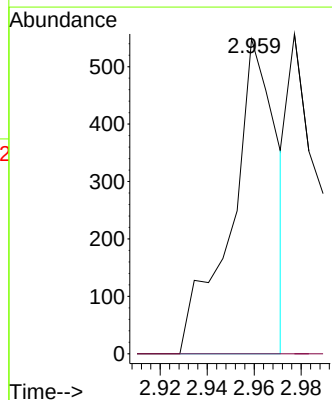
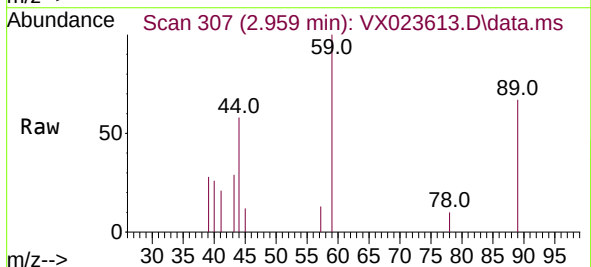
Instrument :
MSVOA_X
ClientSampled :

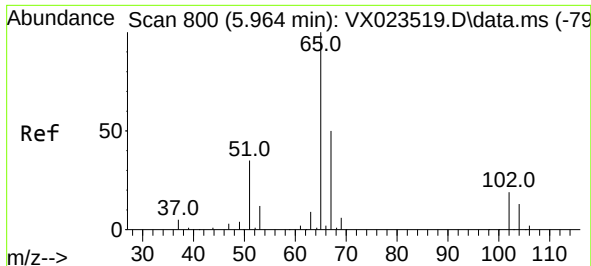
Tgt Ion: 84	Resp:	715
Ion	Ratio	Lower Upper
84	100	
49	89.9	104.3 156.5#
51	38.6	30.3 45.5
86	40.2	51.7 77.5#



#23
tert-Butyl Alcohol
Concen: 1.03 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

Tgt Ion: 59	Resp:	742
Ion	Ratio	Lower Upper
59	100	
52	0.0	0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 31.11 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023613.D

Acq: 09 Aug 2021 14:53

Tgt Ion: 65 Resp: 99829

Ion Ratio Lower Upper

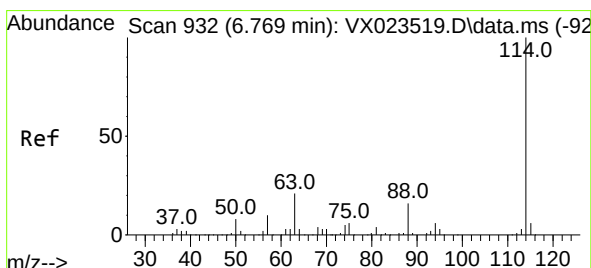
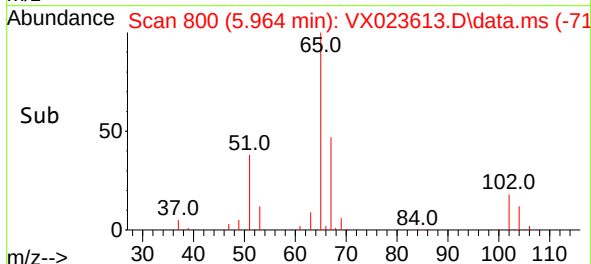
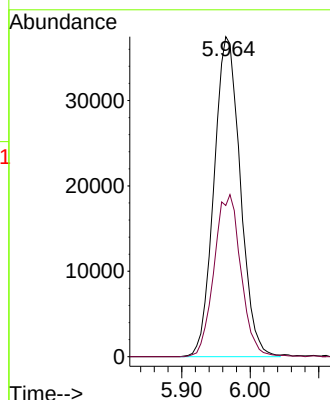
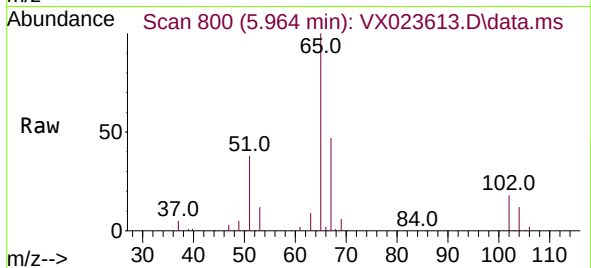
65 100

67 51.6 42.4 63.6

Instrument :

MSVOA_X

ClientSampleId :



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.006 min

Lab File: VX023613.D

Acq: 09 Aug 2021 14:53

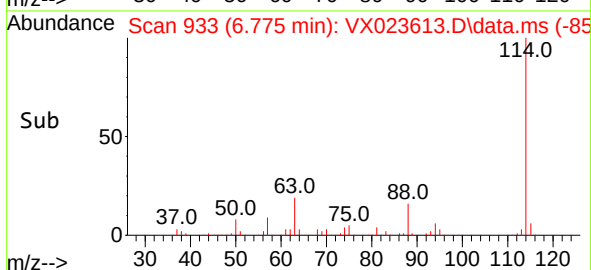
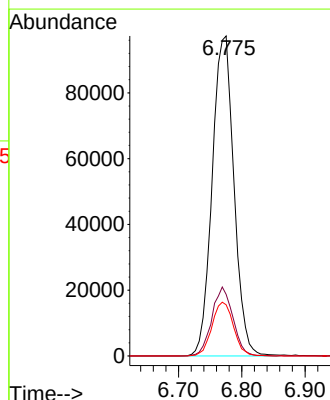
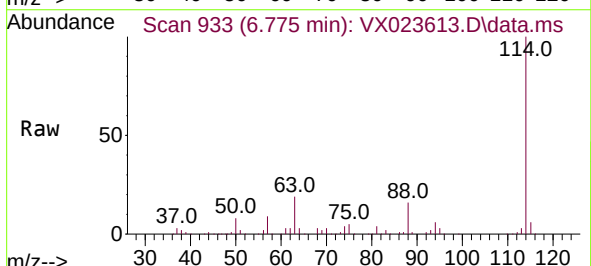
Tgt Ion: 114 Resp: 232381

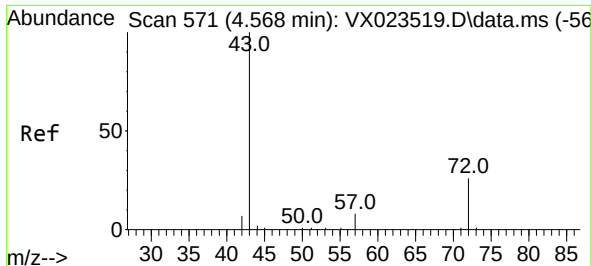
Ion Ratio Lower Upper

114 100

63 20.9 16.4 24.6

88 16.6 12.7 19.1

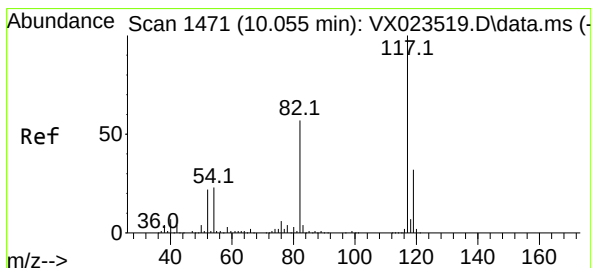
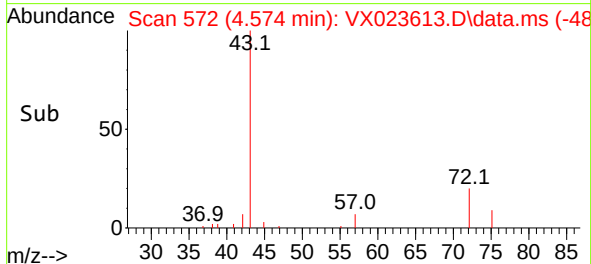
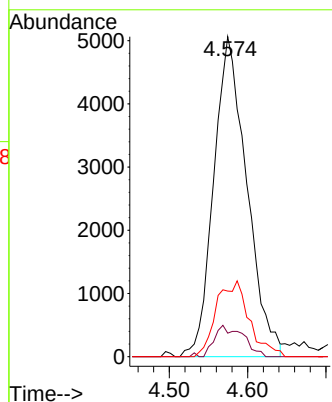
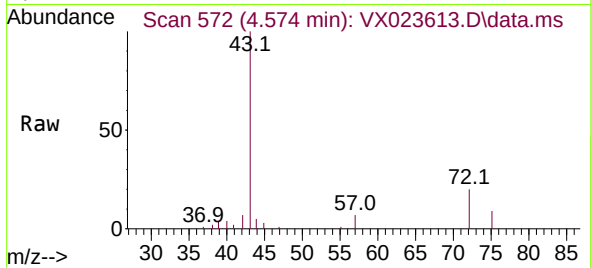




#30
2-Butanone
Concen: 6.12 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

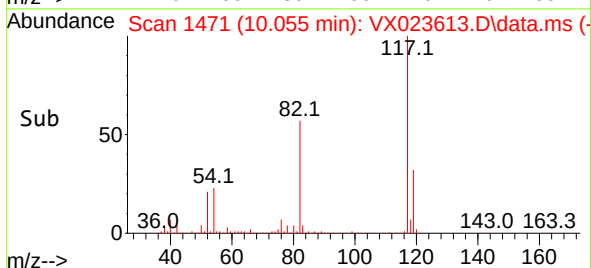
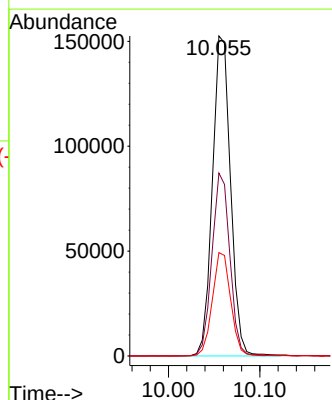
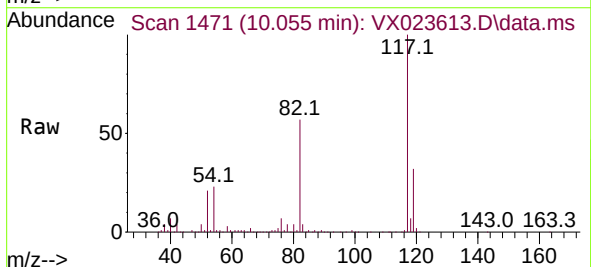
Instrument :
MSVOA_X
ClientSampleId :

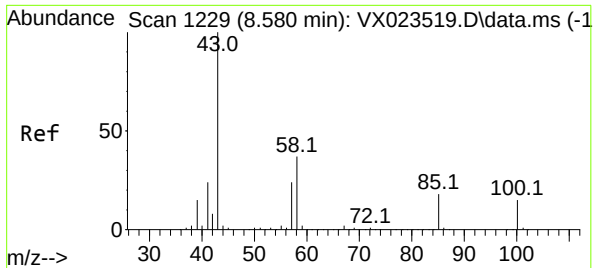
Tgt Ion: 43 Resp: 14837
Ion Ratio Lower Upper
43 100
57 4.1 6.6 9.8#
72 12.8 21.0 31.4#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

Tgt Ion: 117 Resp: 210103
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.4
119 32.6 26.2 39.2

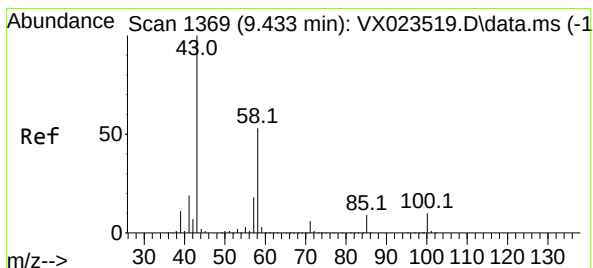
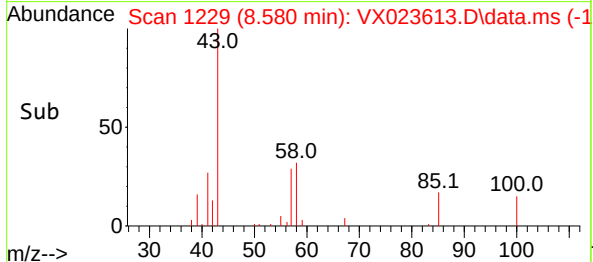
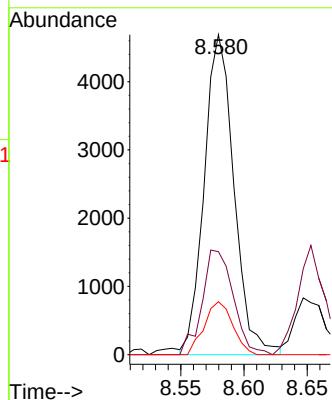
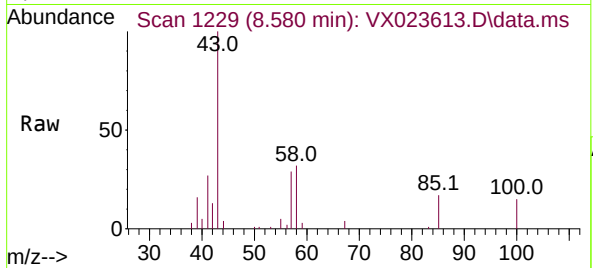




#58
4-Methyl-2-Pentanone
Concen: 1.70 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

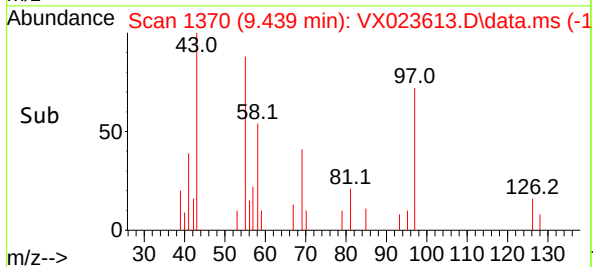
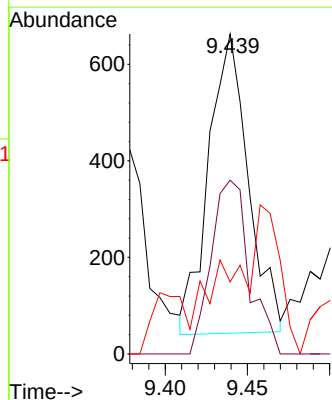
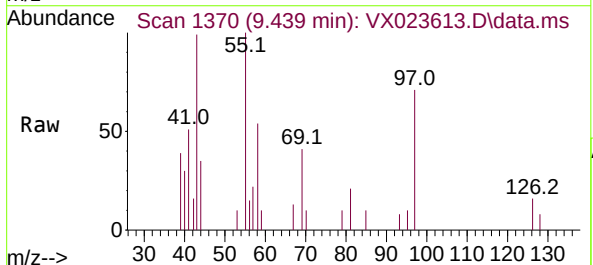
Instrument :
MSVOA_X
ClientSampled :

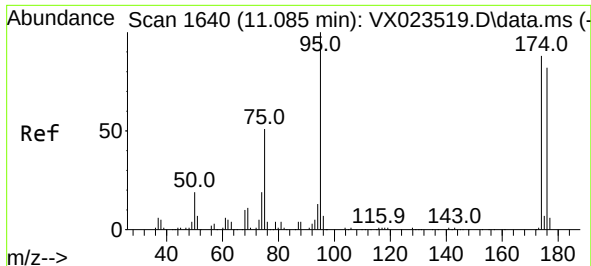
Tgt Ion:	43	Resp:	7689
Ion	Ratio	Lower	Upper
43	100		
58	34.2	30.5	45.7
85	15.7	14.0	21.0



#59
2-Hexanone
Concen: 0.30 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

Tgt Ion:	43	Resp:	1041
Ion	Ratio	Lower	Upper
43	100		
58	49.2	42.1	63.1
57	32.0	14.9	22.3

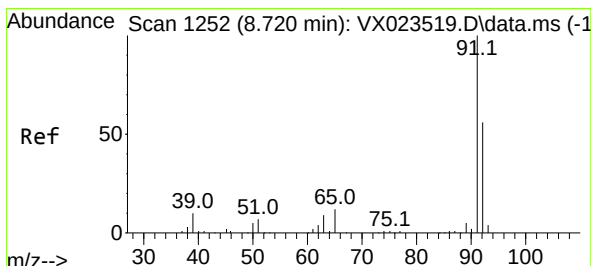
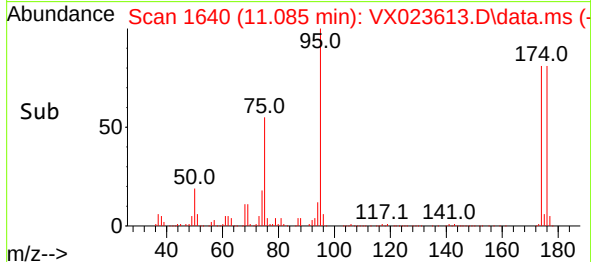
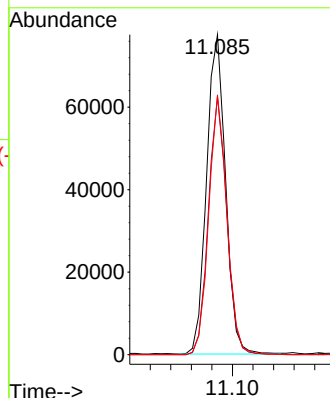
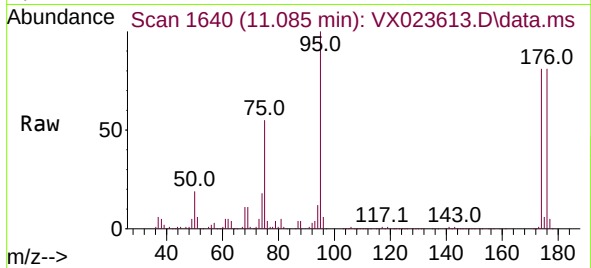




#60
4-Bromofluorobenzene
Concen: 28.94 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

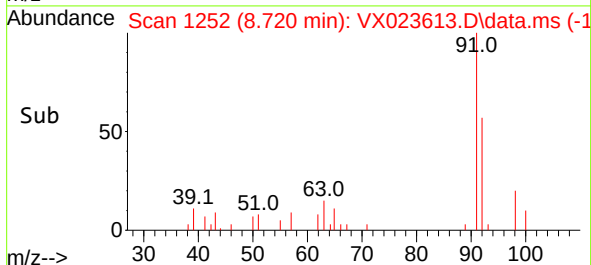
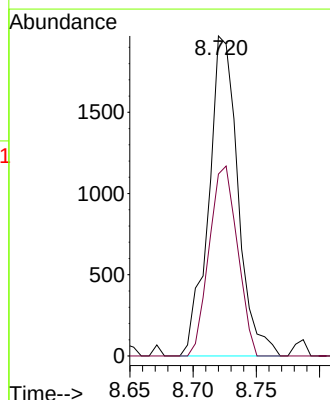
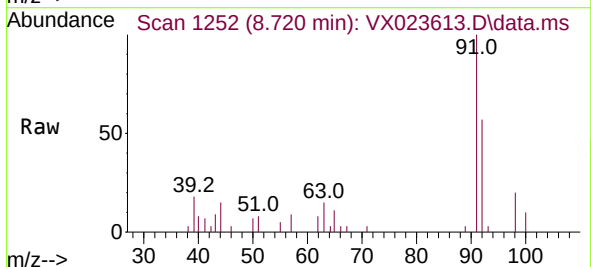
Instrument :
MSVOA_X
ClientSampleId :

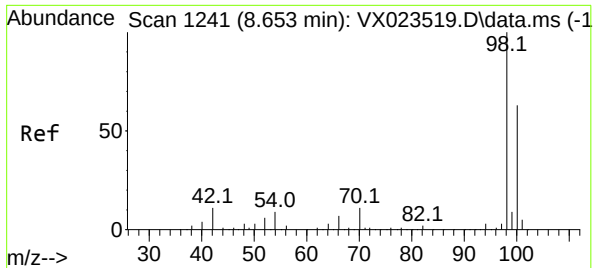
Tgt Ion: 95 Resp: 99604
Ion Ratio Lower Upper
95 100
174 77.9 63.5 95.3
176 77.7 63.0 94.4



#62
Toluene
Concen: 0.27 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

Tgt Ion: 91 Resp: 3181
Ion Ratio Lower Upper
91 100
92 57.1 46.5 69.7

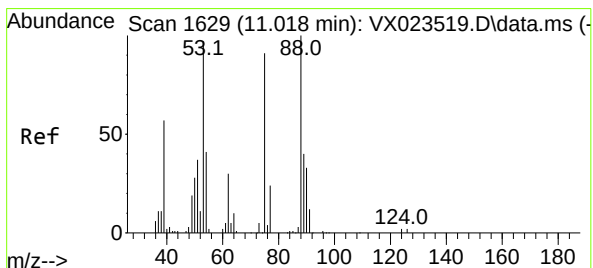
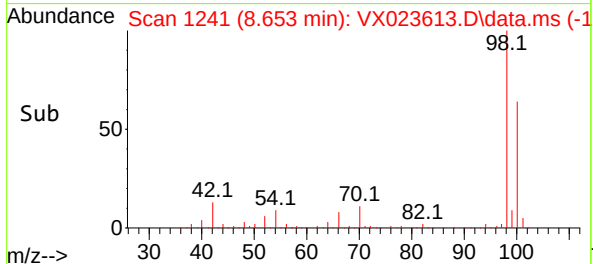
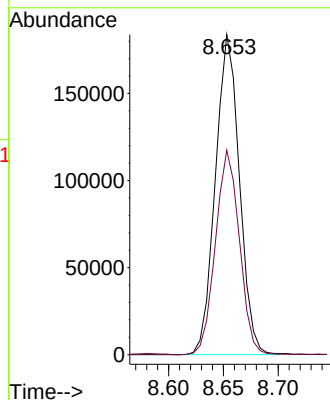
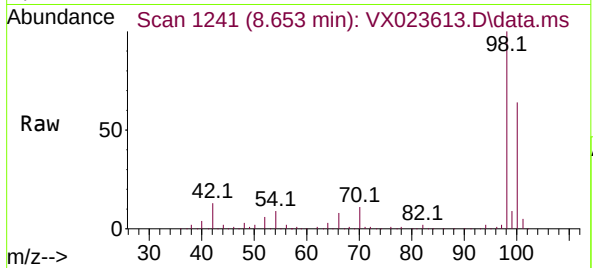




#63
Toluene-d8
Concen: 29.66 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

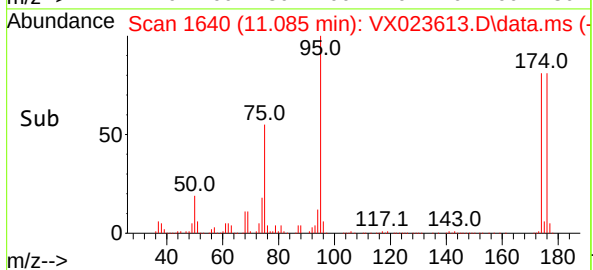
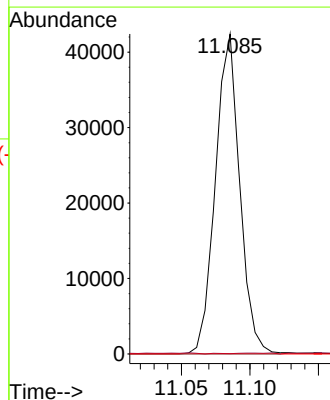
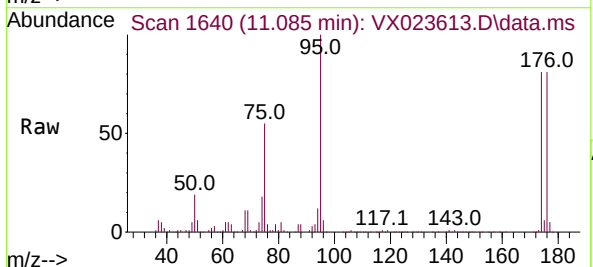
Instrument :
MSVOA_X
ClientSampleId :

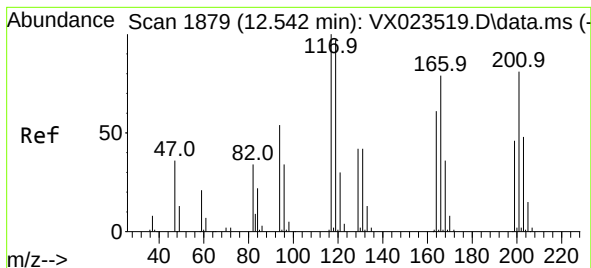
Tgt Ion: 98 Resp: 280430
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.0



#77
t-1,4-Dichloro-2-butene
Concen: 37.03 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

Tgt Ion: 75 Resp: 52266
Ion Ratio Lower Upper
75 100
53 0.1 53.9 161.7#
89 0.0 22.9 68.7#

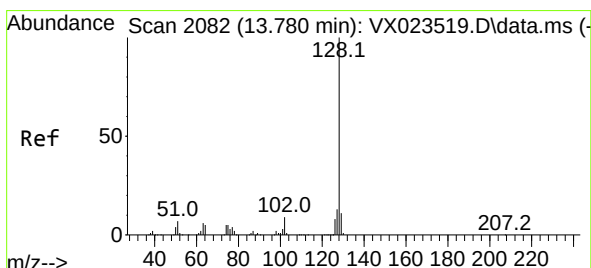
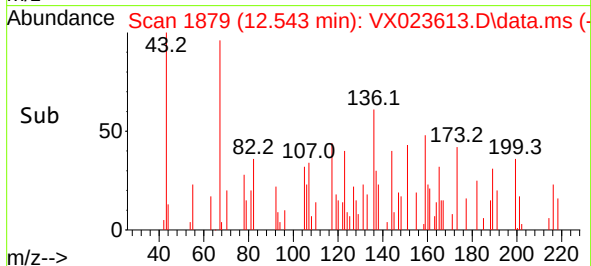
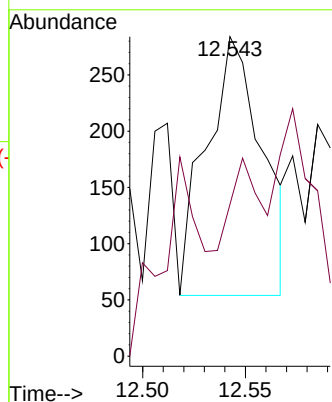
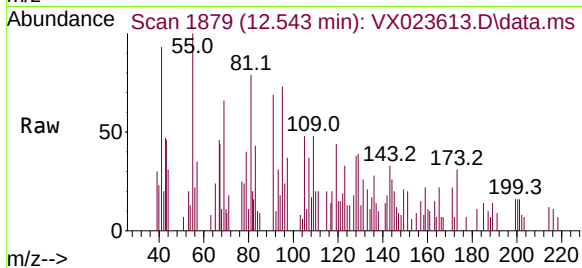




#86
Hexachloroethane
Concen: 0.24 ug/l
RT: 12.543 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 435
Ion Ratio Lower Upper
117 100
201 56.8 37.5 112.5



#91
Naphthalene
Concen: 0.20 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023613.D
Acq: 09 Aug 2021 14:53

Tgt Ion:128 Resp: 2421
Ion Ratio Lower Upper
128 100
127 21.9 10.1 15.1#
129 12.6 8.6 12.8

