

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051521\
 Data File : VX022013.D
 Acq On : 14 May 2021 22:35
 Operator : JC/MD
 Sample : M2410-10
 Misc : 25.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG6N5

Quant Time: May 14 23:42:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXTR051021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 14 23:38:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	68615	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	62095	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	28288	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	25136	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.673	69	20384	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.307	63	36404	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	4.477	46	60887	45.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.70%
24) Chloroform-d	5.068	84	39870	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
26) 1,2-Dichloroethane-d4	5.971	65	23989	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.977	84	100536	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	7.312	67	30001	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	8.653	98	92850	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloroprop...	8.952	79	11844	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	9.385	63	53523	44.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.36%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	21059	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
66) 1,2-Dichlorobenzene-d4	12.323	152	28247	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.313	96	1154	0.23	ug/L #	1
13) Acetone	2.398	43	1287	1.87	ug/L	59
17) Methyl tert-butyl Ether	3.117	73	14513	1.19	ug/L	99
19) 1,1-Dichloroethane	3.617	63	5026	0.55	ug/L #	93
22) cis-1,2-Dichloroethene	4.489	96	8224	1.43	ug/L	98
25) Chloroform	5.105	83	12298	1.29	ug/L	95
29) 1,1,1-Trichloroethane	5.379	97	1309	0.15	ug/L #	40
34) Trichloroethene	7.135	95	1351192	242.00	ug/L	95
35) Methylcyclohexane	7.318	83	7106	0.74	ug/L #	18
37) 1,2-Dichloropropane	7.318	63	3207	0.62	ug/L #	85
39) cis-1,3-Dichloropropene	8.330	75	1032	0.13	ug/L #	53
42) Toluene	8.726	91	2001	0.09	ug/L	99
44) trans-1,3-Dichloropropene	8.958	75	549	0.08	ug/L	92
47) Tetrachloroethene	9.275	164	34870	9.35	ug/L	97
48) 2-Hexanone	9.391	43	5875	2.59	ug/L #	68
49) Dibromochloromethane	9.275	129	36513	8.71	ug/L #	11
61) 1,2,3-Trichloropropane	11.250	75	774	0.26	ug/L	96

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MSVOA_X
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Quant Time: May 14 23:42:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXTR051021WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri May 14 23:38:54 2021
Response via : Initial Calibration

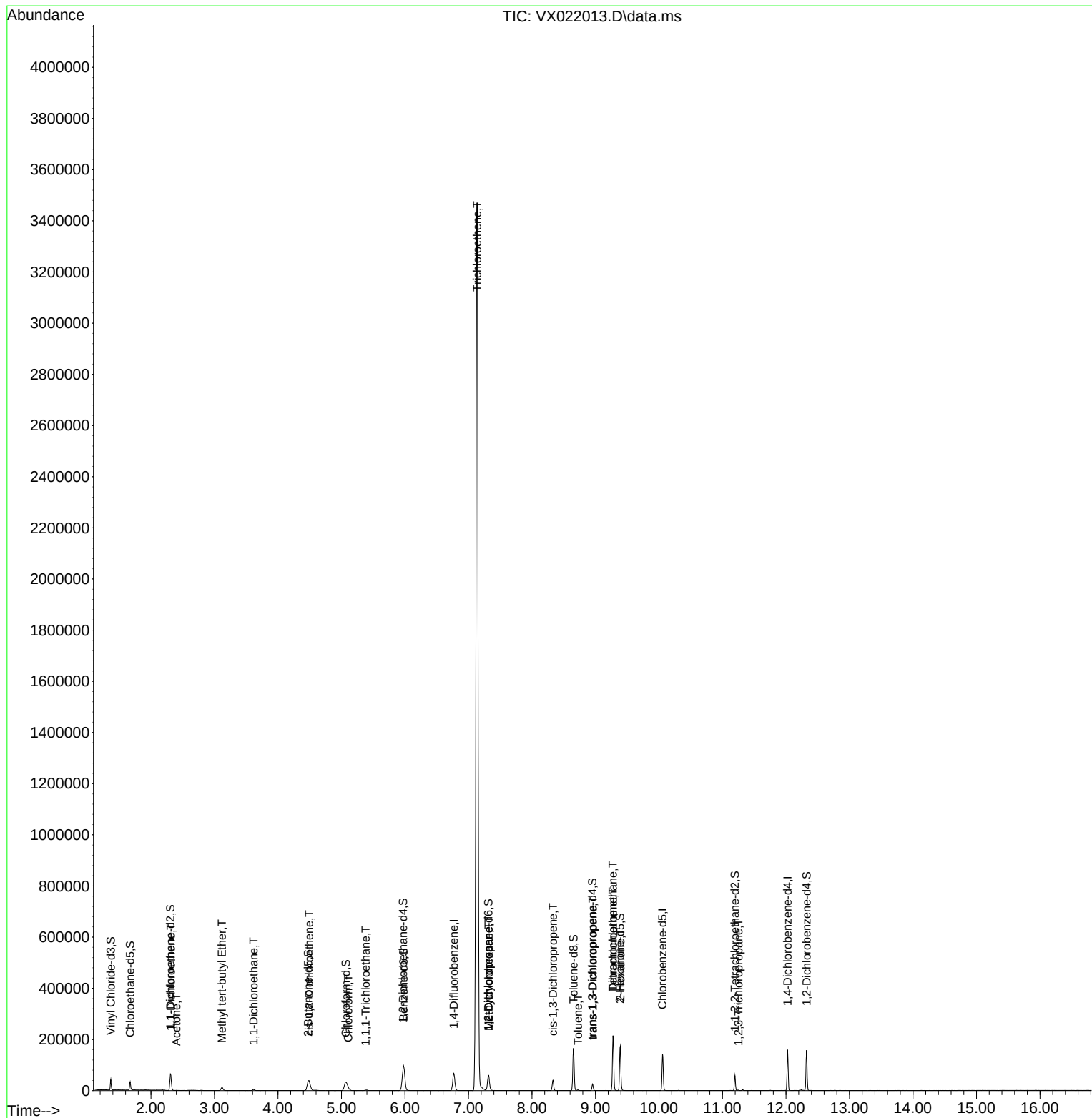
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

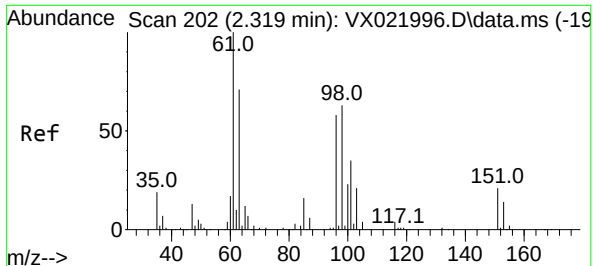
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#12

1,1-Dichloroethene

Concen: 0.23 ug/L

RT: 2.313 min Scan# 201

Delta R.T. -0.006 min

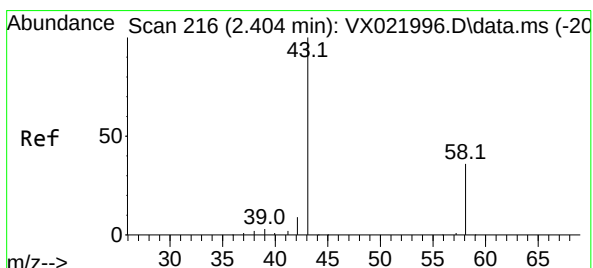
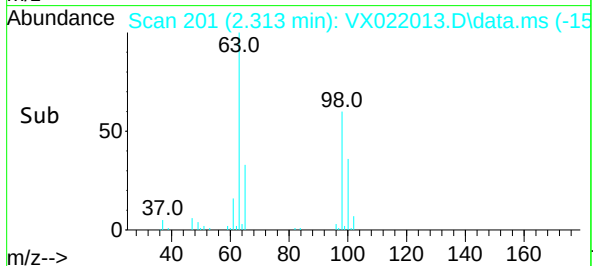
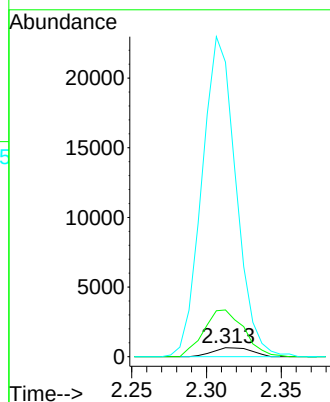
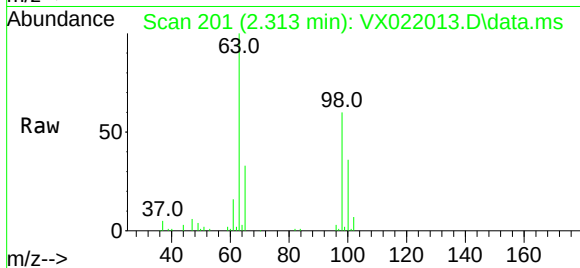
Lab File: VX022013.D

Acq: 14 May 2021 22:35

Tgt Ion: 96 Resp: 1154

Ion	Ratio	Lower	Upper
96	100		
61	524.0	106.3	197.3#
63	3299.8	65.0	120.8#

Instrument :
MSVOA_X
ClientSampled :
BG6N5



#13

Acetone

Concen: 1.87 ug/L

RT: 2.398 min Scan# 215

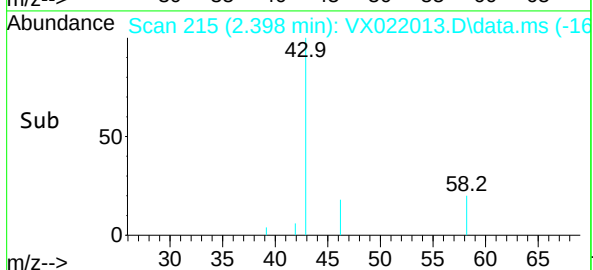
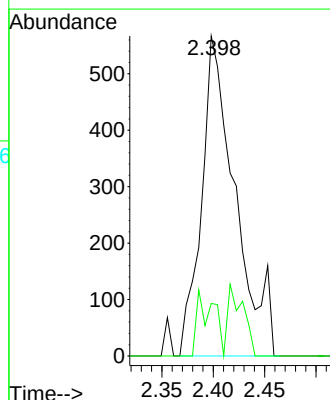
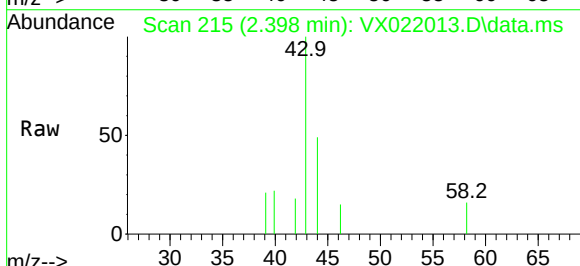
Delta R.T. -0.006 min

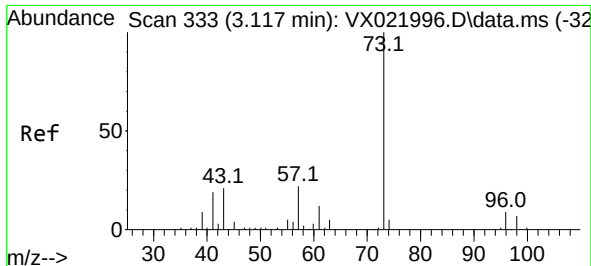
Lab File: VX022013.D

Acq: 14 May 2021 22:35

Tgt Ion: 43 Resp: 1287

Ion	Ratio	Lower	Upper
43	100		
58	10.1	0.0	66.4

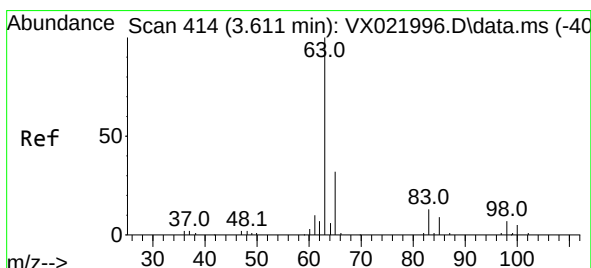
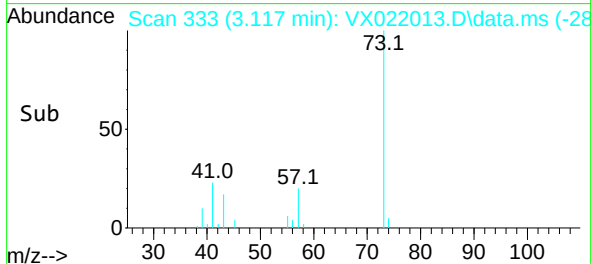
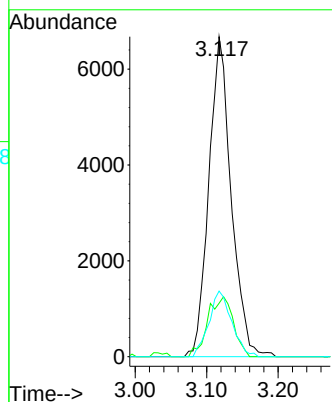
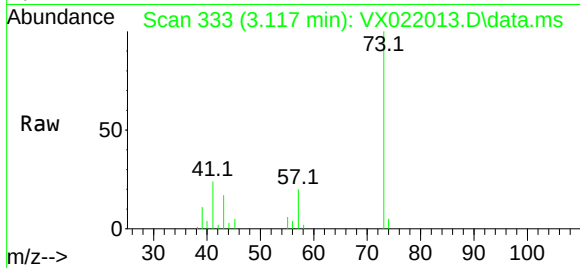




#17
Methyl tert-butyl Ether
Concen: 1.19 ug/L
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX022013.D
Acq: 14 May 2021 22:35

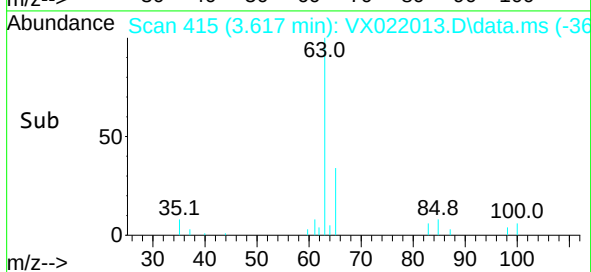
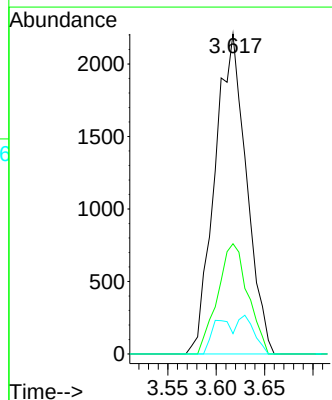
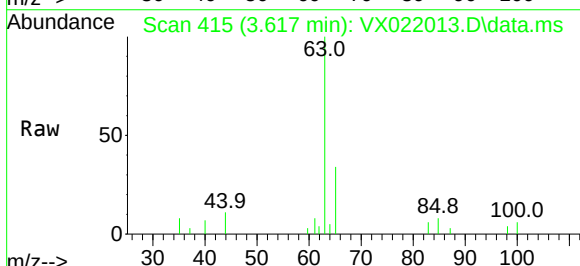
Instrument :
MSVOA_X
ClientSampleId :
BG6N5

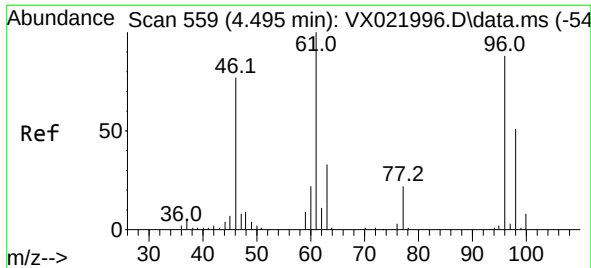
Tgt Ion:	73	Resp:	14513
Ion	Ratio	Lower	Upper
73	100		
43	21.4	16.5	24.7
57	20.9	17.1	25.7



#19
1,1-Dichloroethane
Concen: 0.55 ug/L
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX022013.D
Acq: 14 May 2021 22:35

Tgt Ion:	63	Resp:	5026
Ion	Ratio	Lower	Upper
63	100		
65	34.5	22.5	41.9
83	6.3	8.7	16.1

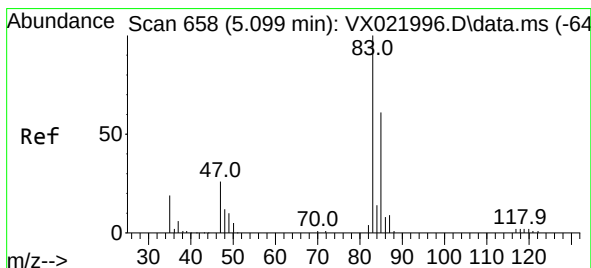
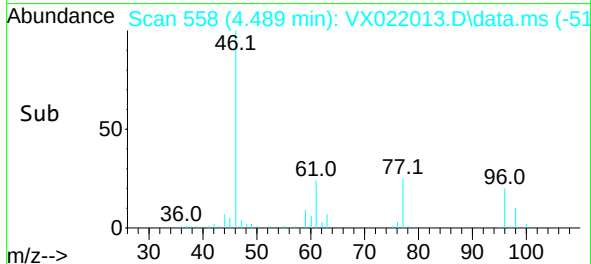
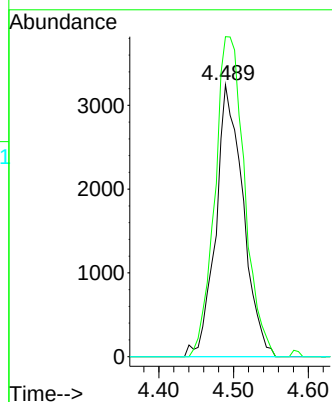
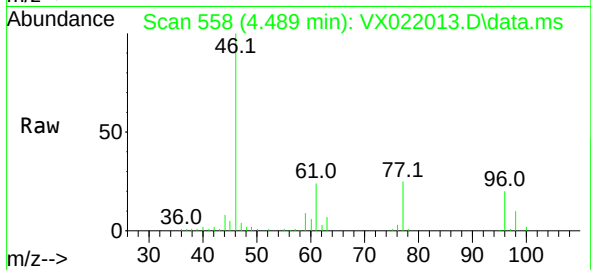




#22
cis-1,2-Dichloroethene
Concen: 1.43 ug/L
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX022013.D
Acq: 14 May 2021 22:35

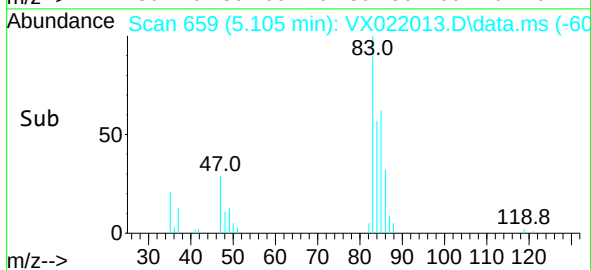
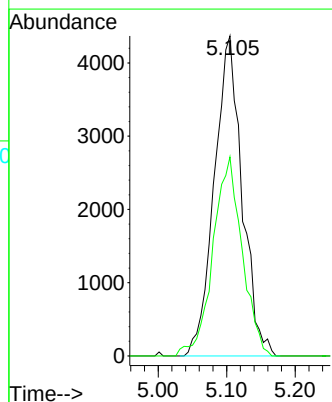
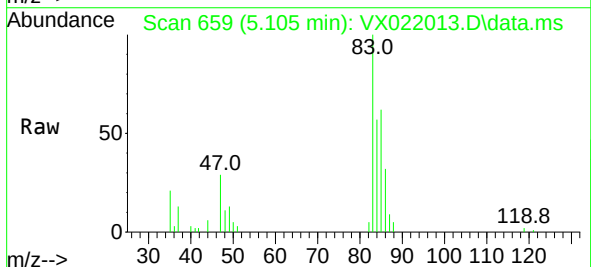
Instrument :
MSVOA_X
ClientSampleId :
BG6N5

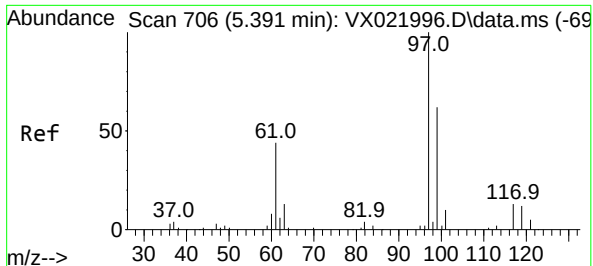
Tgt Ion: 96 Resp: 8224
Ion Ratio Lower Upper
96 100
61 117.7 80.9 150.3
68 0.0 0.0 0.0



#25
Chloroform
Concen: 1.29 ug/L
RT: 5.105 min Scan# 659
Delta R.T. 0.006 min
Lab File: VX022013.D
Acq: 14 May 2021 22:35

Tgt Ion: 83 Resp: 12298
Ion Ratio Lower Upper
83 100
85 62.2 46.3 86.1





#29

1,1,1-Trichloroethane

Concen: 0.15 ug/L

RT: 5.379 min Scan# 704

Delta R.T. -0.012 min

Lab File: VX022013.D

Acq: 14 May 2021 22:35

Tgt Ion: 97 Resp: 1309

Ion Ratio Lower Upper

97 100

99 117.6 51.4 77.0#

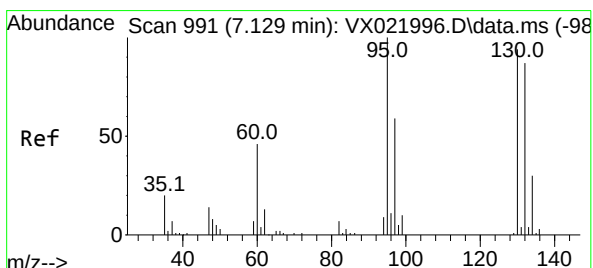
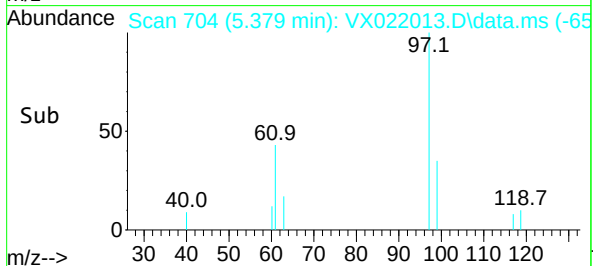
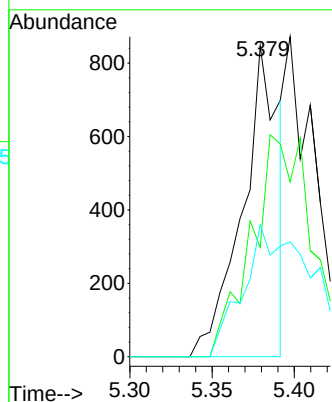
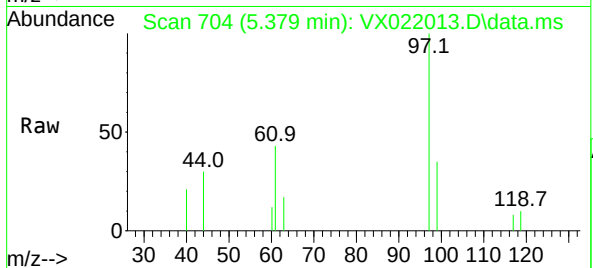
61 75.3 35.4 53.2#

Instrument :

MSVOA_X

ClientSampleId :

BG6N5



#34

Trichloroethene

Concen: 242.00 ug/L

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX022013.D

Acq: 14 May 2021 22:35

Tgt Ion: 95 Resp: 1351192

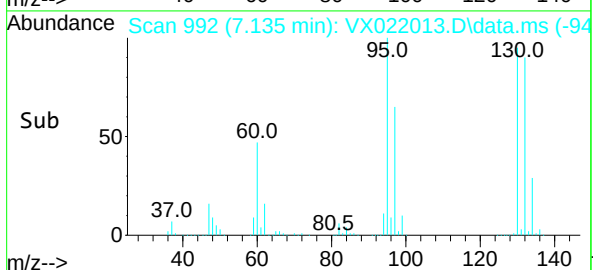
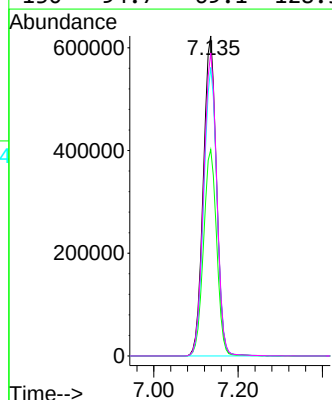
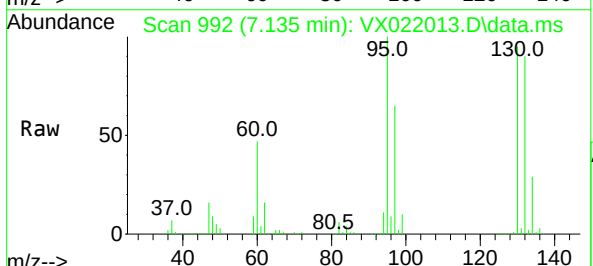
Ion Ratio Lower Upper

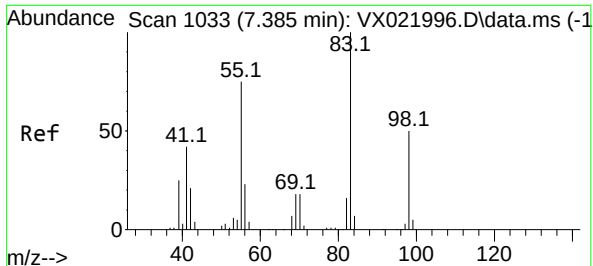
95 100

97 64.5 48.6 90.2

132 90.1 67.3 125.1

130 94.7 69.1 128.3

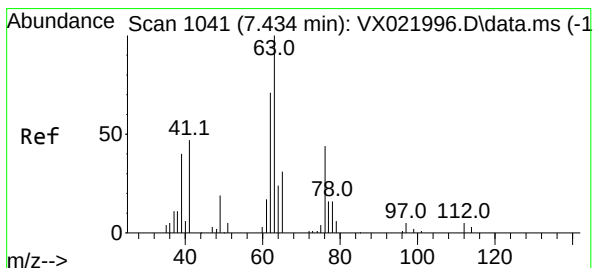
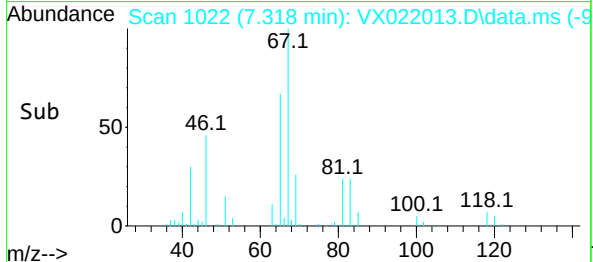
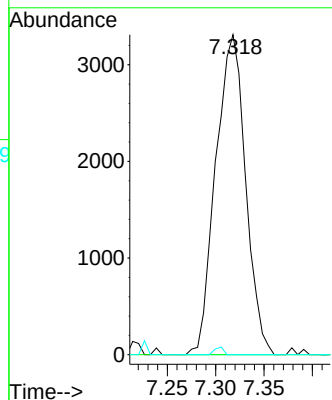
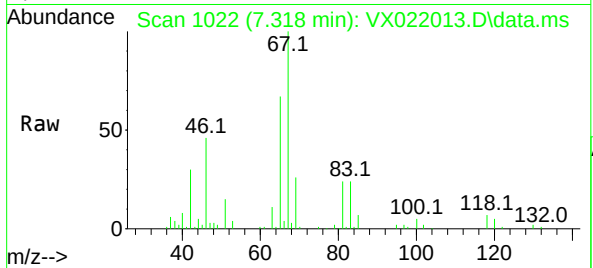




#35
Methylcyclohexane
Concen: 0.74 ug/L
RT: 7.318 min Scan# 1022
Delta R.T. -0.067 min
Lab File: VX022013.D
Acq: 14 May 2021 22:35

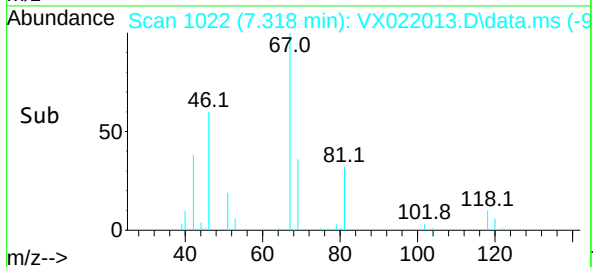
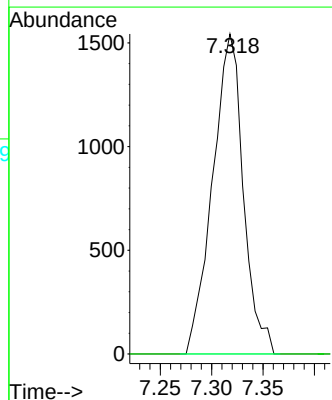
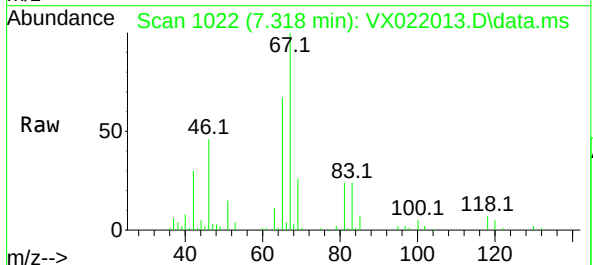
Instrument :
MSVOA_X
ClientSampled :
BG6N5

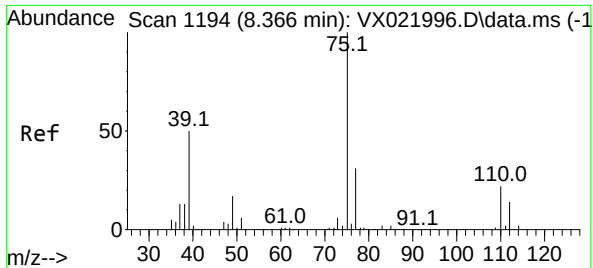
Tgt Ion: 83 Resp: 7106
Ion Ratio Lower Upper
83 100
55 0.0 60.3 90.5#
98 0.0 39.4 59.2#



#37
1,2-Dichloropropane
Concen: 0.62 ug/L
RT: 7.318 min Scan# 1022
Delta R.T. -0.116 min
Lab File: VX022013.D
Acq: 14 May 2021 22:35

Tgt Ion: 63 Resp: 3207
Ion Ratio Lower Upper
63 100
112 0.0 4.1 6.1#

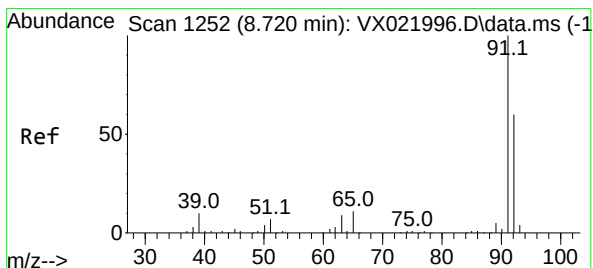
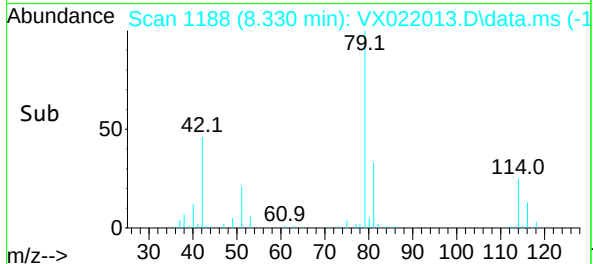
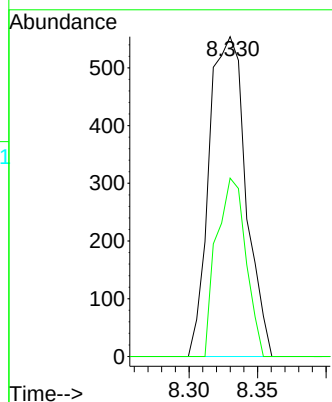
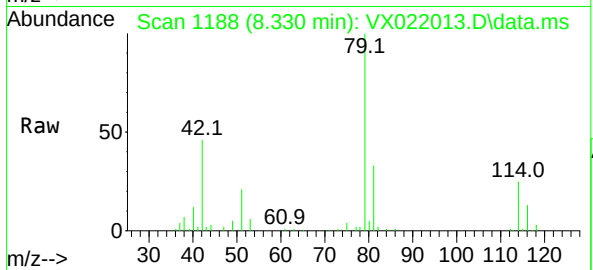




#39
cis-1,3-Dichloropropene
Concen: 0.13 ug/L
RT: 8.330 min Scan# 1188
Delta R.T. -0.036 min
Lab File: VX022013.D
Acq: 14 May 2021 22:35

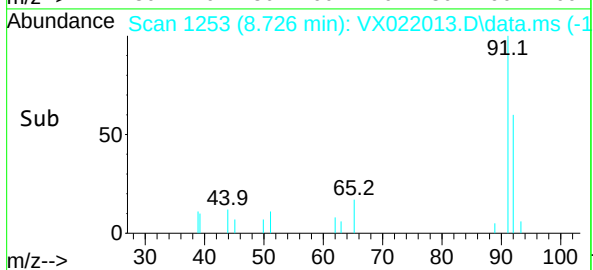
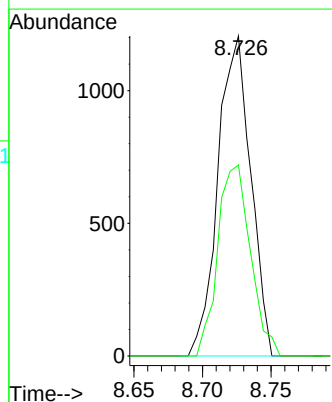
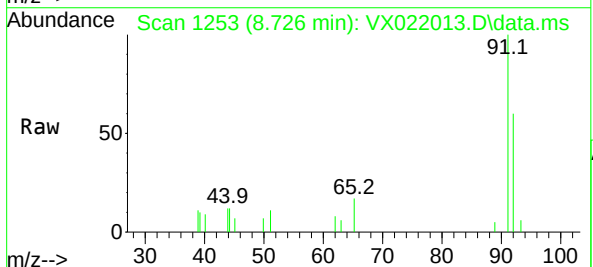
Instrument :
MSVOA_X
ClientSampleId :
BG6N5

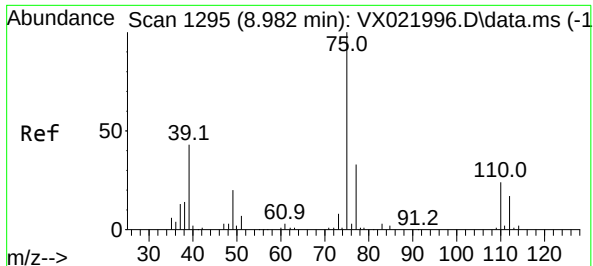
Tgt Ion: 75 Resp: 1032
Ion Ratio Lower Upper
75 100
77 55.8 21.3 39.5#



#42
Toluene
Concen: 0.09 ug/L
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX022013.D
Acq: 14 May 2021 22:35

Tgt Ion: 91 Resp: 2001
Ion Ratio Lower Upper
91 100
92 59.7 42.1 78.3

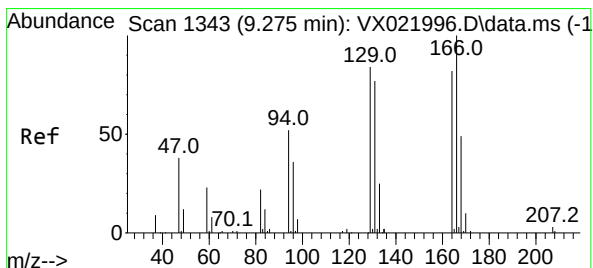
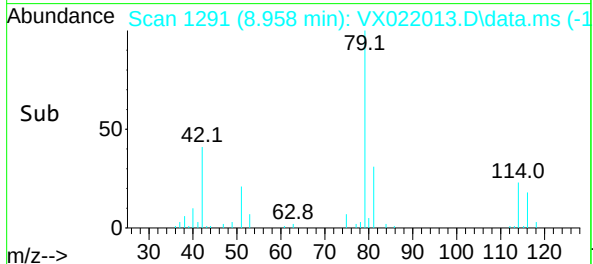
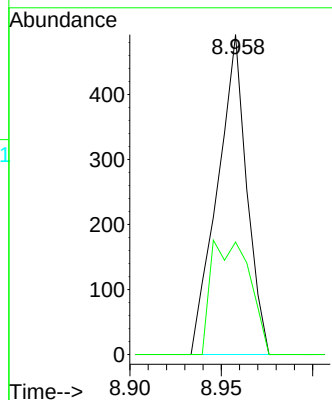
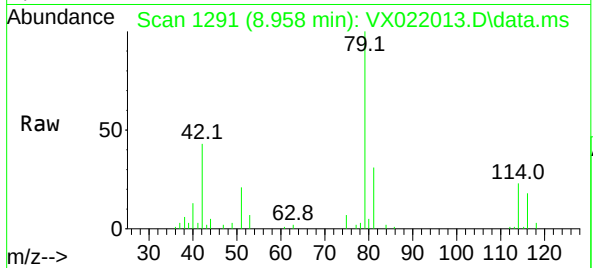




#44
trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX022013.D
Acq: 14 May 2021 22:35

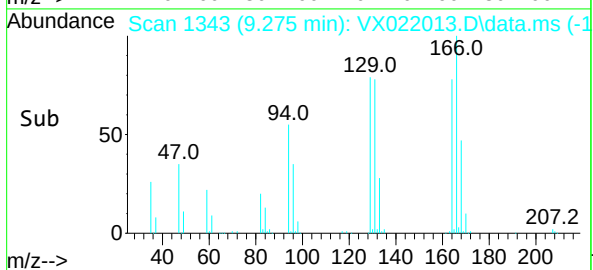
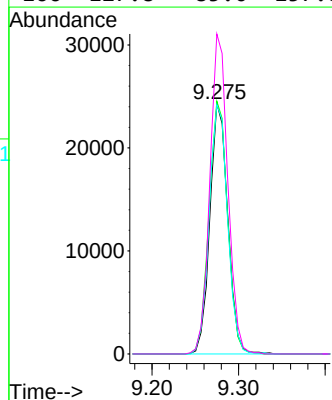
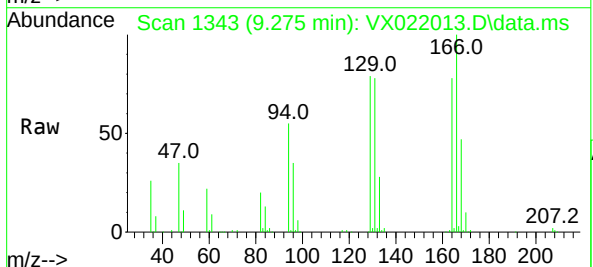
Instrument :
MSVOA_X
ClientSampleId :
BG6N5

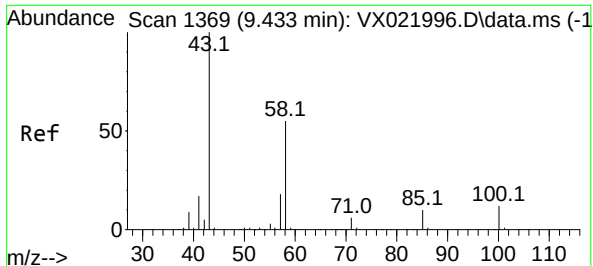
Tgt Ion: 75 Resp: 549
Ion Ratio Lower Upper
75 100
77 35.2 21.6 40.0



#47
Tetrachloroethene
Concen: 9.35 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX022013.D
Acq: 14 May 2021 22:35

Tgt Ion: 164 Resp: 34870
Ion Ratio Lower Upper
164 100
129 101.0 73.1 135.7
131 99.5 69.1 128.3
166 127.8 85.0 157.8

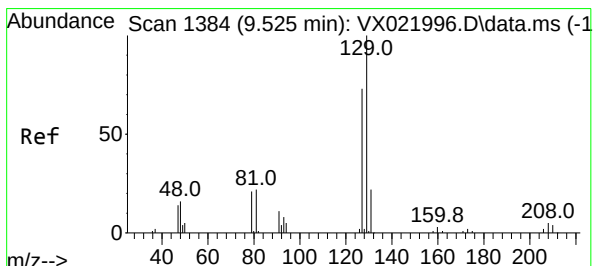
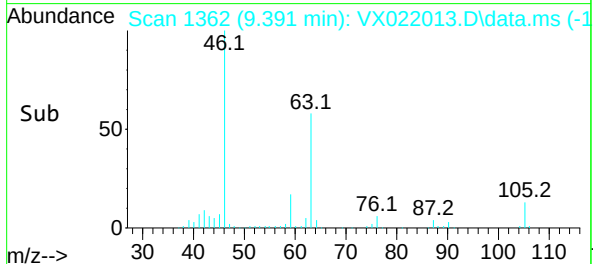
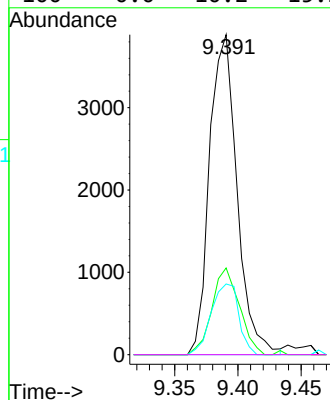
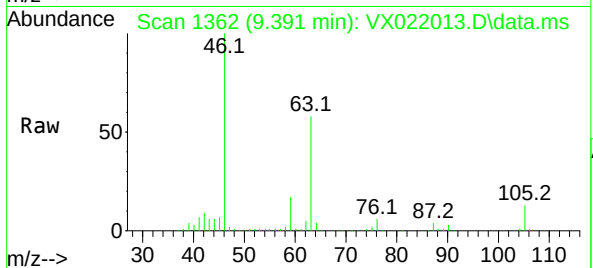




#48
2-Hexanone
Concen: 2.59 ug/L
RT: 9.391 min Scan# 1362
Delta R.T. -0.043 min
Lab File: VX022013.D
Acq: 14 May 2021 22:35

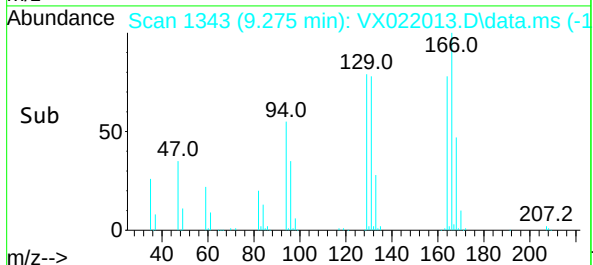
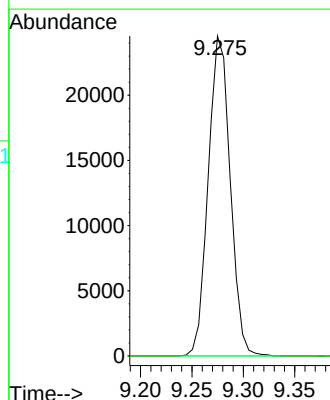
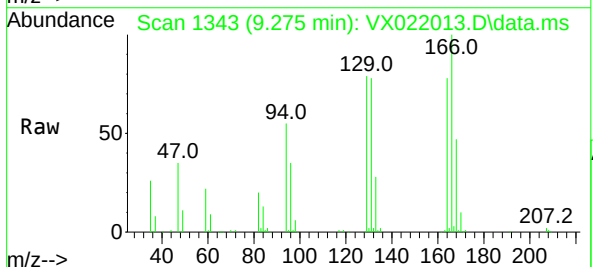
Instrument :
MSVOA_X
ClientSampleId :
BG6N5

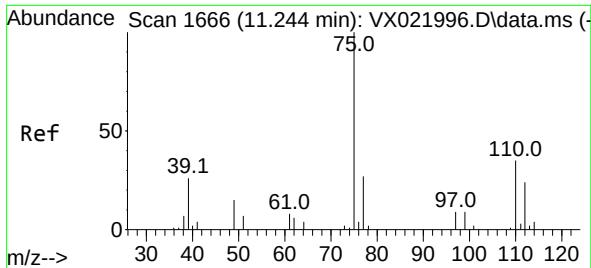
Tgt Ion: 43	Resp: 5875
Ion Ratio	Lower Upper
43 100	
58 27.0	44.6 67.0#
57 22.2	14.8 22.2
100 0.0	10.2 15.2#



#49
Dibromochloromethane
Concen: 8.71 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX022013.D
Acq: 14 May 2021 22:35

Tgt Ion: 129	Resp: 36513
Ion Ratio	Lower Upper
129 100	
127 0.0	53.5 99.5#





#61
 1,2,3-Trichloropropane
 Concen: 0.26 ug/L
 RT: 11.250 min Scan# 1667
 Delta R.T. 0.006 min
 Lab File: VX022013.D
 Acq: 14 May 2021 22:35

Instrument :
 MSVOA_X
 ClientSampleId :
 BG6N5

Tgt Ion:	75	Resp:	774
Ion	Ratio	Lower	Upper
75	100		
77	35.0	24.6	37.0
110	41.0	32.3	48.5

