

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
 Data File : VX039241.D
 Acq On : 15 Dec 2023 20:16
 Operator : JC/MD
 Sample : 05844-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 YCHG5

Quant Time: Dec 16 01:53:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 12 03:50:51 2023
 Response via : Initial Calibration

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

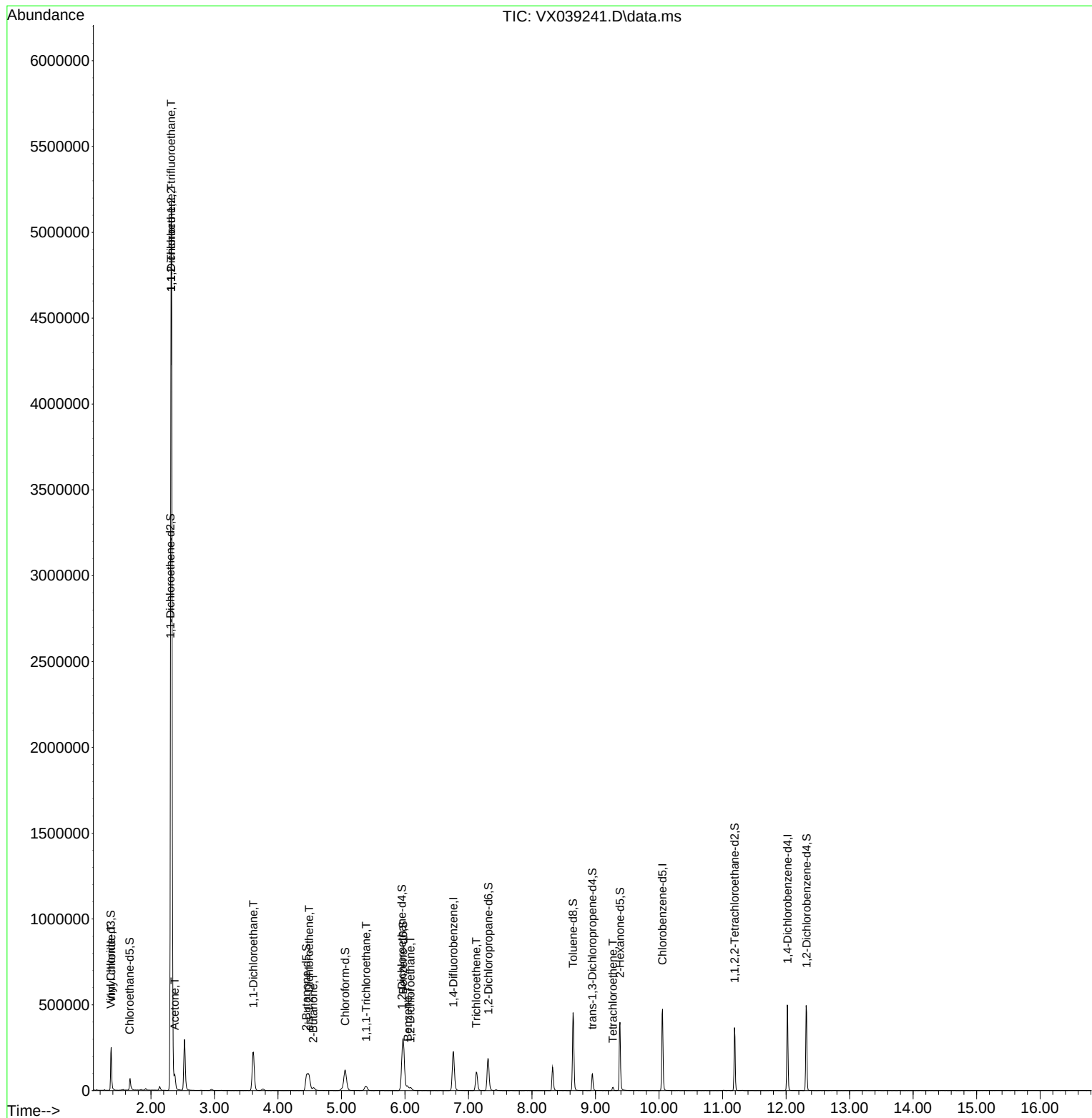
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	221859	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	202704	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	93532	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	64535	37.086	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.180%
7) Chloroethane-d5	1.666	69	51716	40.208	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.420%
11) 1,1-Dichloroethene-d2	2.306	65	32541	42.601	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.200%
21) 2-Butanone-d5	4.446	46	155837	98.933	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.930%
24) Chloroform-d	5.056	84	147333	47.828	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.660%
26) 1,2-Dichloroethane-d4	5.952	65	103414	51.837	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.680%
32) Benzene-d6	5.970	84	294624	47.096	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	7.311	67	96926	48.144	ug/L	0.01
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.280%
41) Toluene-d8	8.647	98	263122	46.412	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.820%
43) trans-1,3-Dichloroprop...	8.951	79	45521	44.432	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.860%
47) 2-Hexanone-d5	9.384	63	112877	93.872	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.870%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	140451	49.178	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.360%
66) 1,2-Dichlorobenzene-d4	12.323	152	91465	51.736	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.480%
Target Compounds						Qvalue
5) Vinyl chloride	1.374	62	111056	60.932	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.318	101	6738	4.434	ug/L #	58
12) 1,1-Dichloroethene	2.318	96	1618339	1132.305	ug/L #	68
13) Acetone	2.373	43	77697	51.345	ug/L	96
19) 1,1-Dichloroethane	3.611	63	253180	85.028	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	44475	25.463	ug/L	95
22) 2-Butanone	4.556	43	29532	15.902	ug/L	97
27) 1,2-Dichloroethane	6.086	62	18221	7.773	ug/L #	88
30) 1,1,1-Trichloroethane	5.385	97	24515	9.968	ug/L	97
33) Benzene	6.043	78	29191	4.532	ug/L	100
34) Trichloroethene	7.122	95	43557	25.586	ug/L	98
46) Tetrachloroethene	9.275	164	3121	2.779	ug/L	90

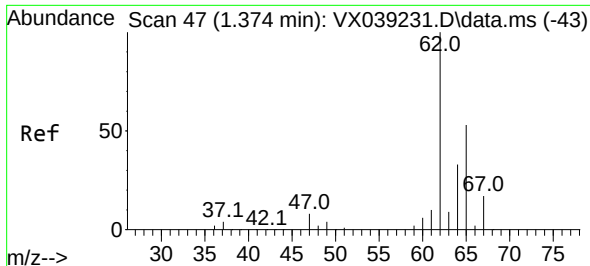
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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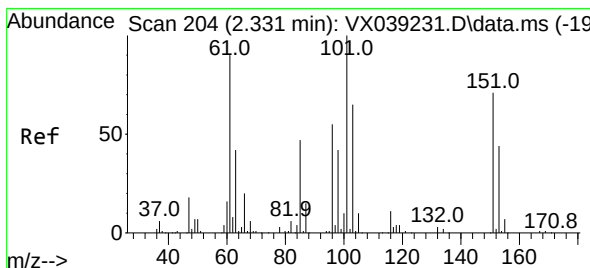
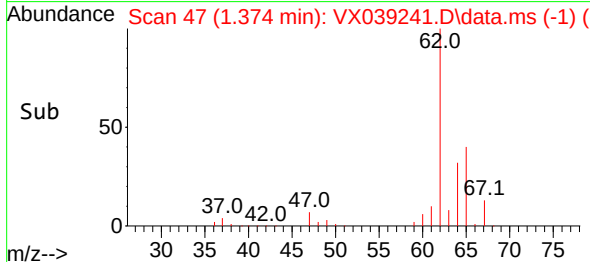
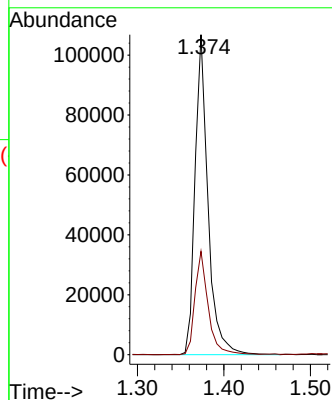
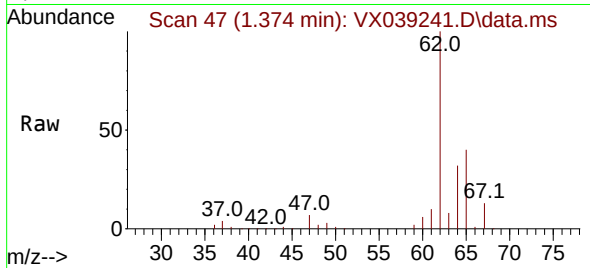




#5
 Vinyl chloride
 Concen: 60.932 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX039241.D
 Acq: 15 Dec 2023 20:16

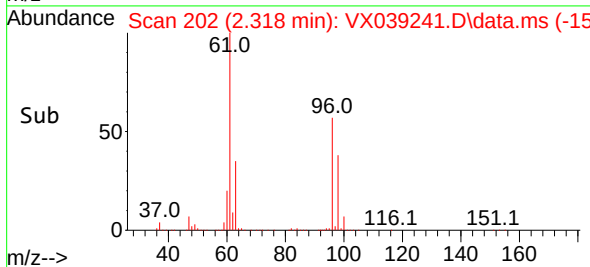
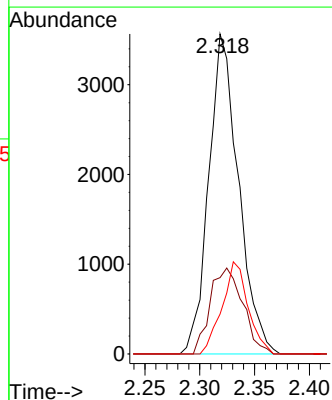
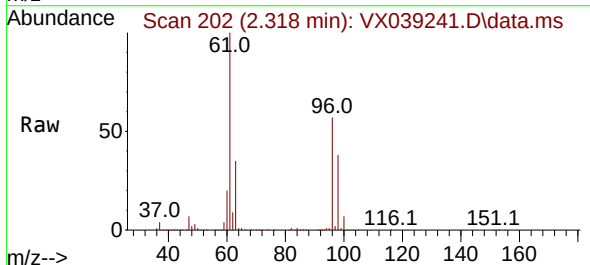
Instrument :
 MSVOA_X
 ClientSampleId :
 YCHG5

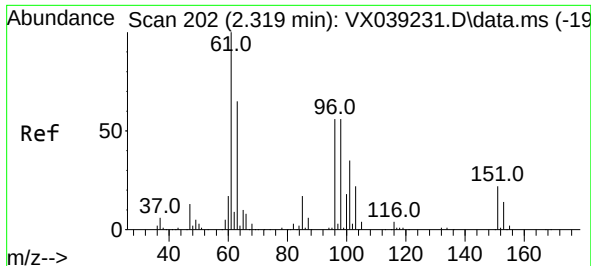
Tgt Ion: 62 Resp: 111056
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.3 41.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.434 ug/L
 RT: 2.318 min Scan# 202
 Delta R.T. -0.013 min
 Lab File: VX039241.D
 Acq: 15 Dec 2023 20:16

Tgt Ion: 101 Resp: 6738
 Ion Ratio Lower Upper
 101 100
 85 29.5 35.8 53.6#
 151 25.1 55.4 83.2#





#12

1,1-Dichloroethene

Concen: 1132.305 ug/L

RT: 2.318 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX039241.D

Acq: 15 Dec 2023 20:16

Instrument :

MSVOA_X

ClientSampleId :

YCHG5

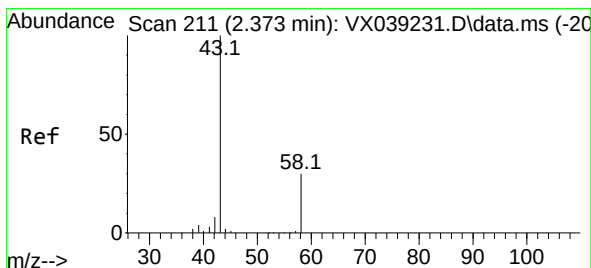
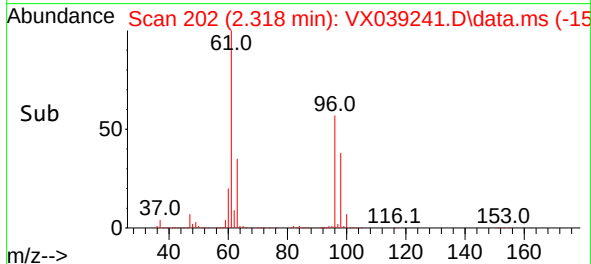
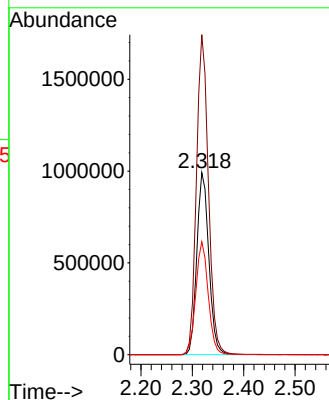
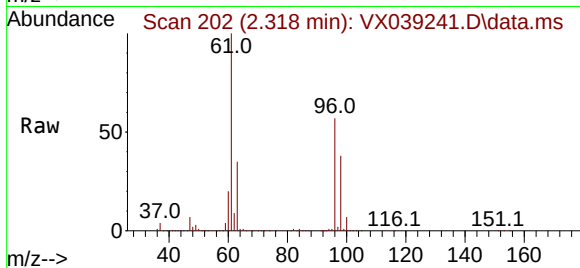
Tgt Ion: 96 Resp: 1618339

Ion Ratio Lower Upper

96 100

61 175.7 128.0 237.6

63 62.0 101.5 188.5#



#13

Acetone

Concen: 51.345 ug/L

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX039241.D

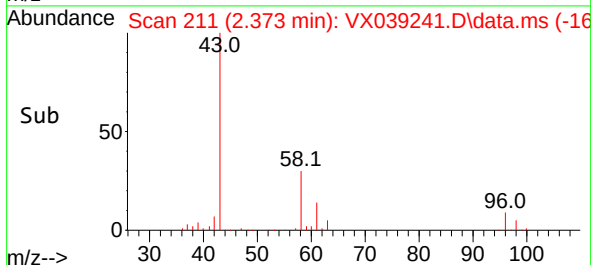
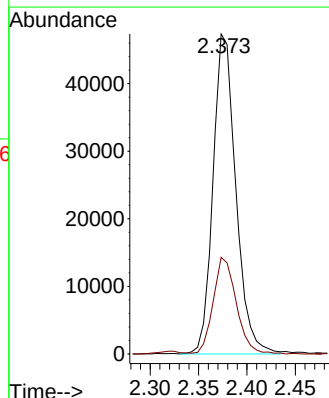
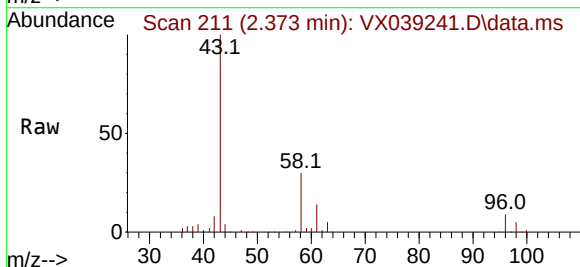
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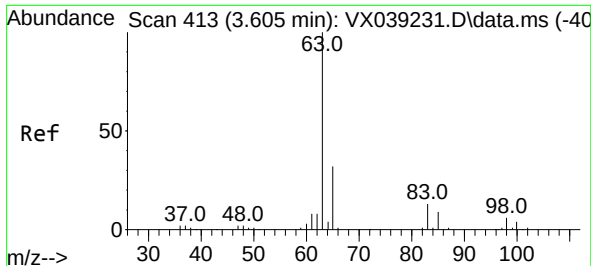
Tgt Ion: 43 Resp: 77697

Ion Ratio Lower Upper

43 100

58 30.5 0.0 65.8





#19

1,1-Dichloroethane

Concen: 85.028 ug/L

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX039241.D

Acq: 15 Dec 2023 20:16

Instrument :

MSVOA_X

ClientSampleId :

YCHG5

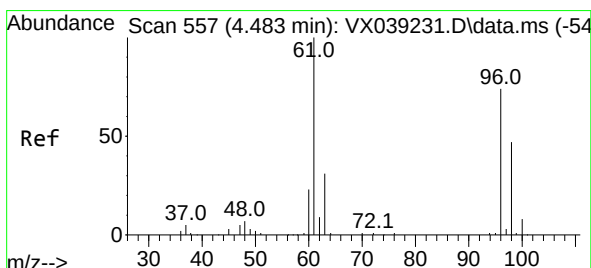
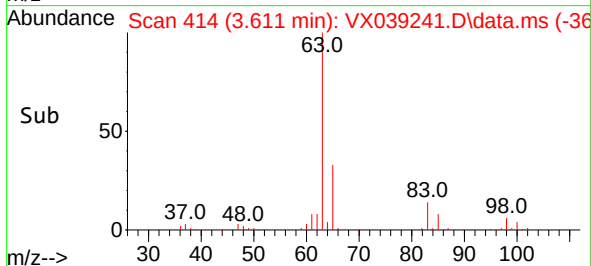
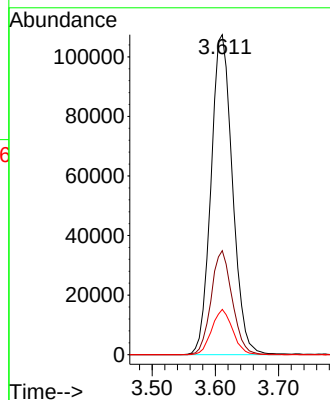
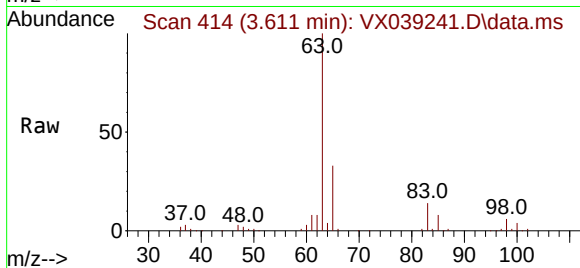
Tgt Ion: 63 Resp: 253180

Ion Ratio Lower Upper

63 100

65 32.5 21.1 39.3

83 14.2 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 25.463 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX039241.D

Acq: 15 Dec 2023 20:16

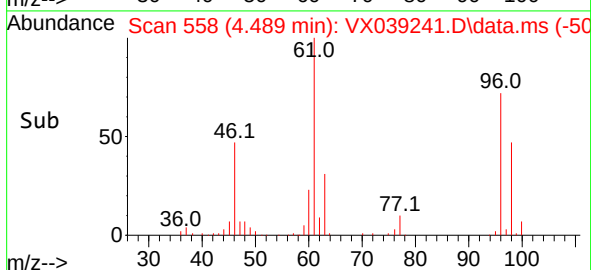
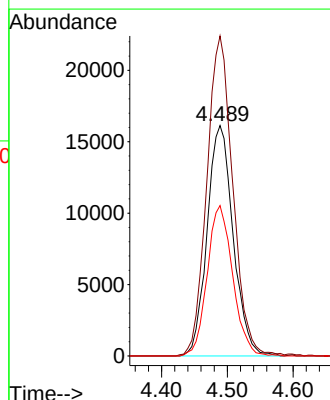
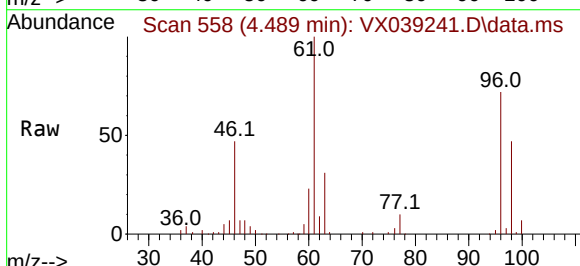
Tgt Ion: 96 Resp: 44475

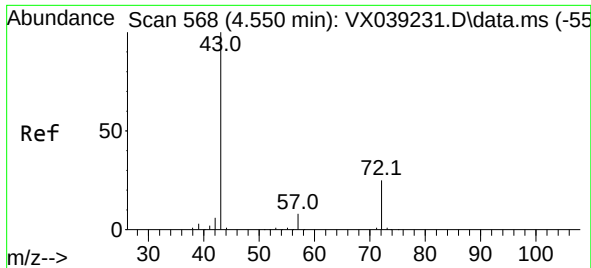
Ion Ratio Lower Upper

96 100

61 138.9 91.7 170.3

98 65.3 44.2 82.2

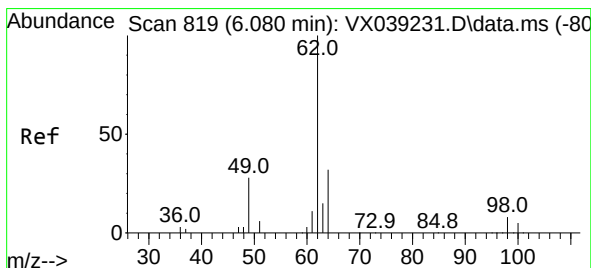
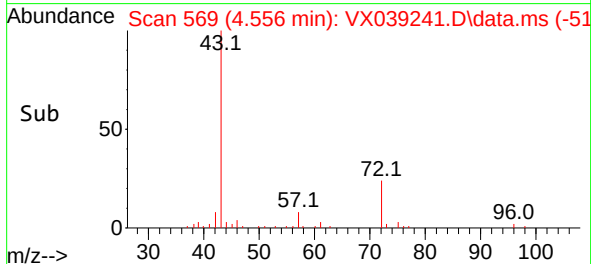
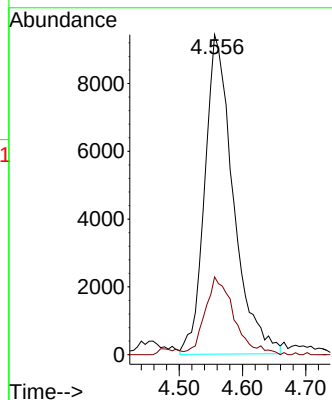
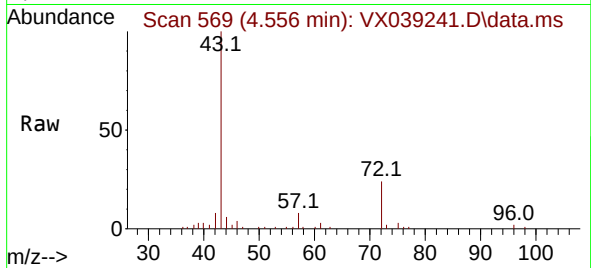




#22
2-Butanone
Concen: 15.902 ug/L
RT: 4.556 min Scan# 50
Delta R.T. 0.012 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

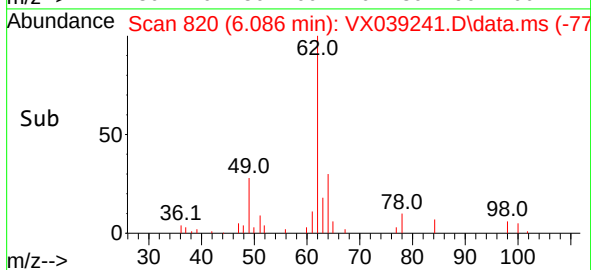
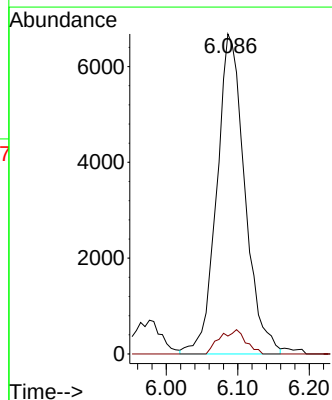
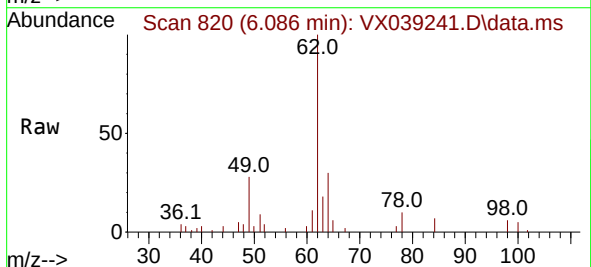
Instrument :
MSVOA_X
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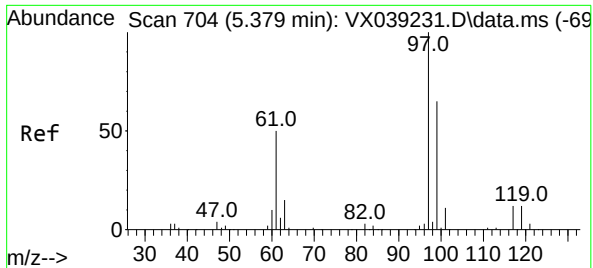
Tgt Ion: 43 Resp: 29532
Ion Ratio Lower Upper
43 100
72 23.8 12.6 37.6



#27
1,2-Dichloroethane
Concen: 7.773 ug/L
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

Tgt Ion: 62 Resp: 18221
Ion Ratio Lower Upper
62 100
98 5.6 8.0 12.0#

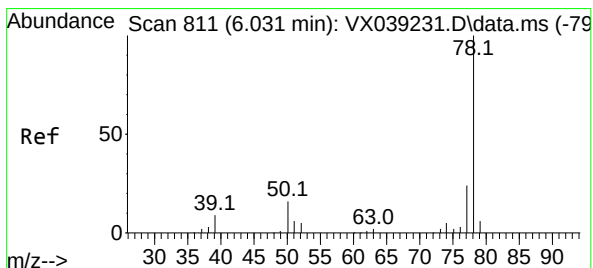
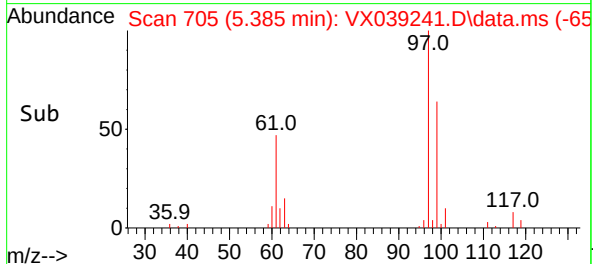
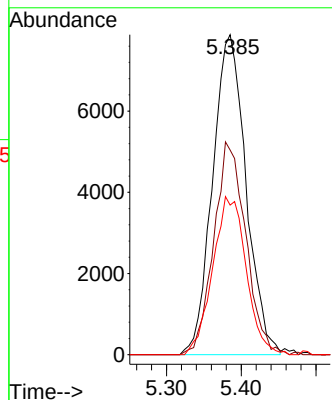
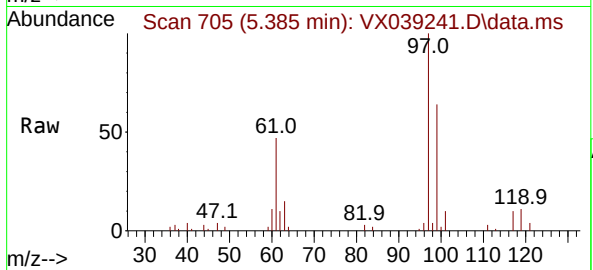




#30
1,1,1-Trichloroethane
Concen: 9.968 ug/L
RT: 5.385 min Scan# 704
Delta R.T. 0.012 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

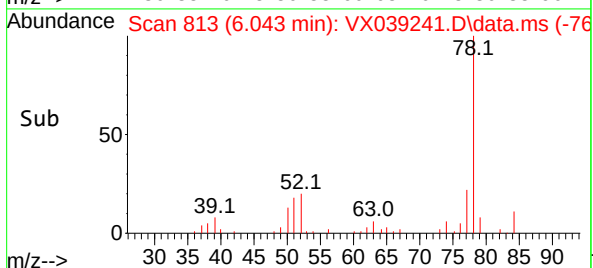
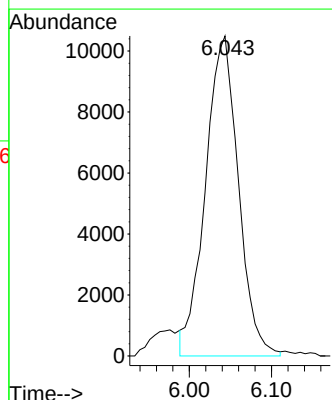
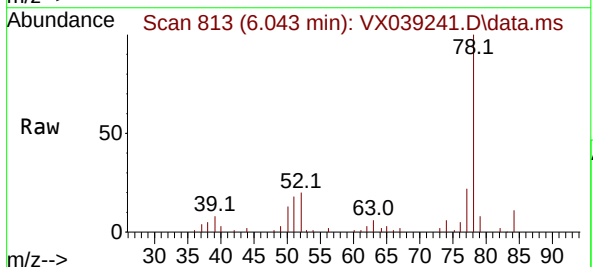
Instrument :
MSVOA_X
ClientSampleId :
YCHG5

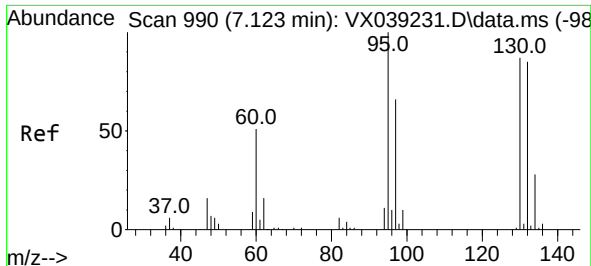
Tgt Ion: 97 Resp: 24515
Ion Ratio Lower Upper
97 100
99 63.0 51.0 76.4
61 49.3 36.7 55.1



#33
Benzene
Concen: 4.532 ug/L
RT: 6.043 min Scan# 813
Delta R.T. 0.012 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

Tgt Ion: 78 Resp: 29191

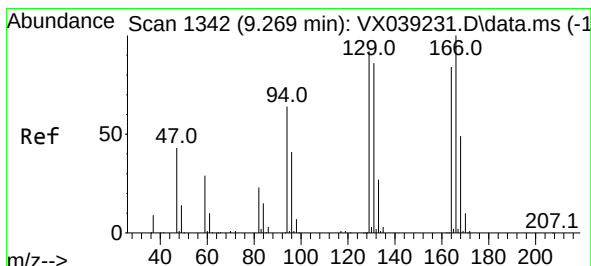
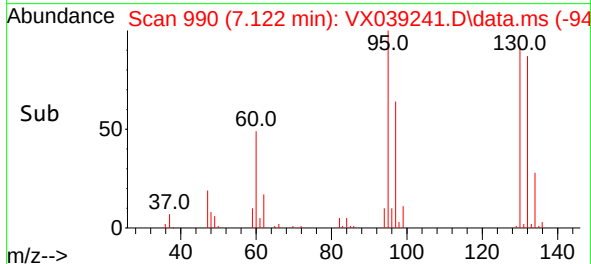
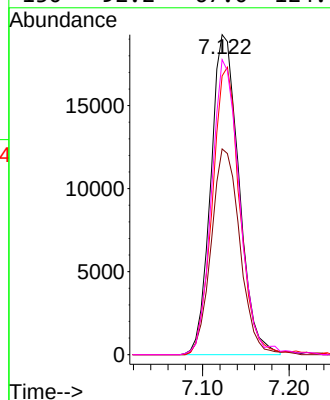
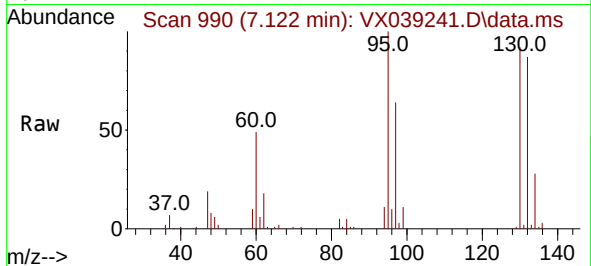




#34
Trichloroethene
Concen: 25.586 ug/L
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

Instrument :
MSVOA_X
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Tgt Ion: 95 Resp: 43557
Ion Ratio Lower Upper
95 100
97 64.3 45.5 84.5
132 87.1 62.2 115.4
130 92.2 67.0 124.4



#46
Tetrachloroethene
Concen: 2.779 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

Tgt Ion:164 Resp: 3121
Ion Ratio Lower Upper
164 100
129 113.3 71.9 133.5
131 113.1 69.5 129.1
166 136.4 90.3 167.7

