

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081722\
 Data File : VX030665.D
 Acq On : 17 Aug 2022 17:12
 Operator : JC/MD
 Sample : N4221-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 04:24:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 18 04:21:09 2022
 Response via : Initial Calibration

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

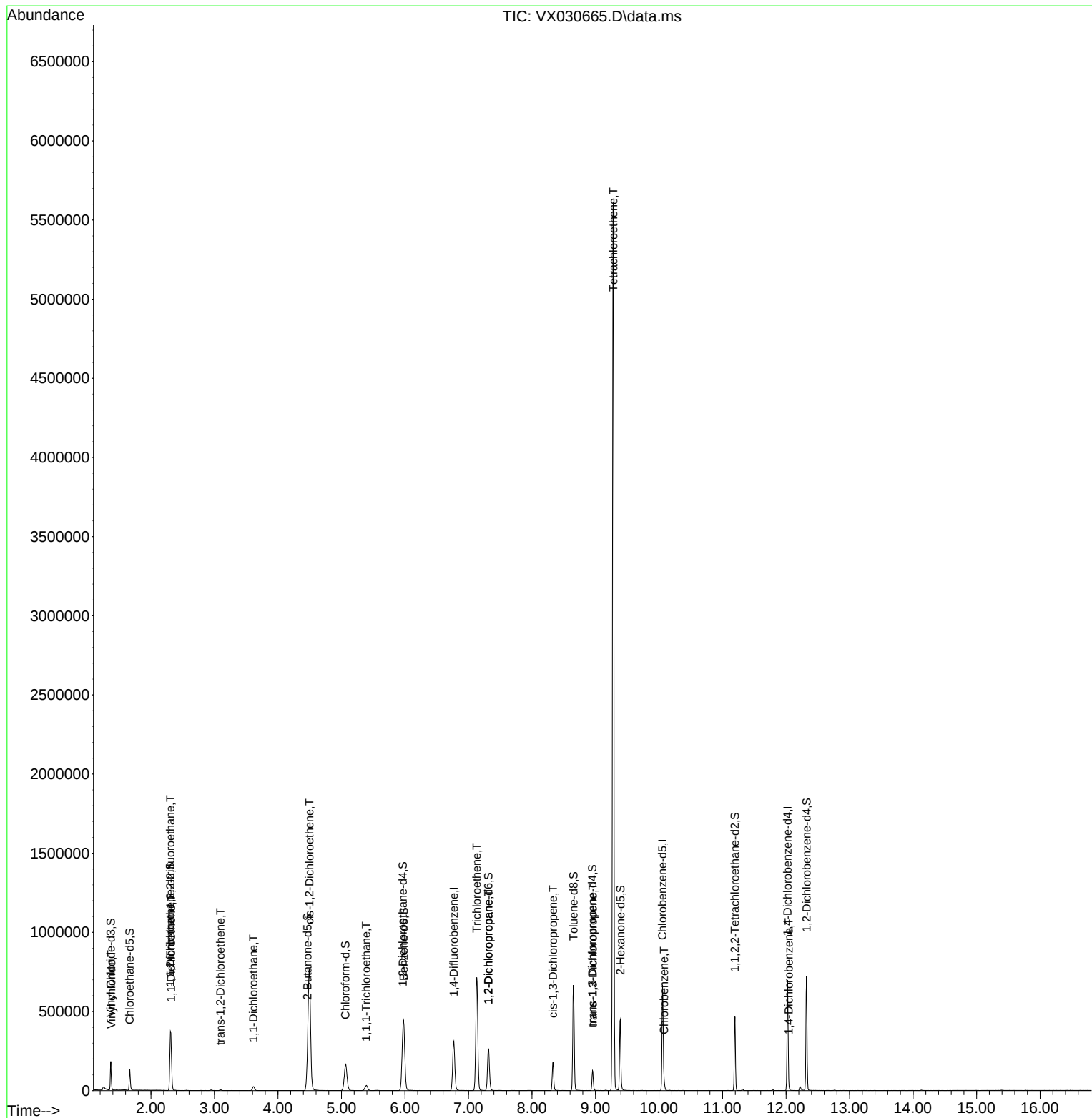
Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	318412	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	302864	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	134536	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	114348	55.922	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.840%
7) Chloroethane-d5	1.666	69	83987	58.265	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	116.520%
11) 1,1-Dichloroethene-d2	2.306	63	194793	50.361	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.720%
21) 2-Butanone-d5	4.464	46	182519	96.336	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.340%
24) Chloroform-d	5.062	84	208641	49.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.140%
26) 1,2-Dichloroethane-d4	5.964	65	135301	47.339	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.680%
32) Benzene-d6	5.982	84	453582	52.284	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.560%
36) 1,2-Dichloropropane-d6	7.311	67	145122	51.559	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.120%
41) Toluene-d8	8.653	98	407592	49.843	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.680%
43) trans-1,3-Dichloroprop...	8.951	79	62567	44.683	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.360%
47) 2-Hexanone-d5	9.390	63	135721	94.599	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.600%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	182186	49.271	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.540%
66) 1,2-Dichlorobenzene-d4	12.323	152	137356	52.638	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.280%
Target Compounds						
5) Vinyl chloride	1.373	62	3920	1.781	ug/L #	37
10) 1,1,2-Trichloro-1,2,2-...	2.306	101	1674	0.865	ug/L #	20
12) 1,1-Dichloroethene	2.318	96	46590	26.142	ug/L #	77
17) trans-1,2-Dichloroethene	3.093	96	2459	1.191	ug/L	89
19) 1,1-Dichloroethane	3.611	63	29080	7.282	ug/L	99
20) cis-1,2-Dichloroethene	4.495	96	466113	200.686	ug/L	91
30) 1,1,1-Trichloroethane	5.385	97	30125	7.541	ug/L #	86
34) Trichloroethene	7.129	95	287312	102.159	ug/L	87
37) 1,2-Dichloropropane	7.311	63	14646	5.673	ug/L #	90
39) cis-1,3-Dichloropropene	8.330	75	3817	0.991	ug/L #	18
44) trans-1,3-Dichloropropene	8.957	75	2964	0.786	ug/L	92
46) Tetrachloroethene	9.281	164	1051394	591.532	ug/L	99
51) Chlorobenzene	10.079	112	18674	2.922	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	6228	1.478	ug/L	83

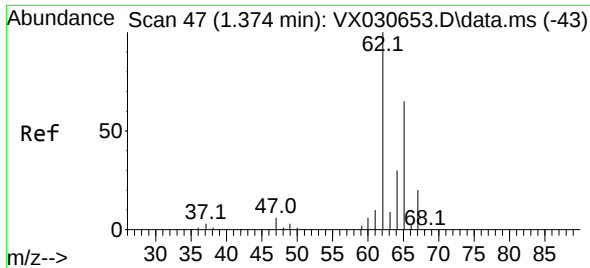
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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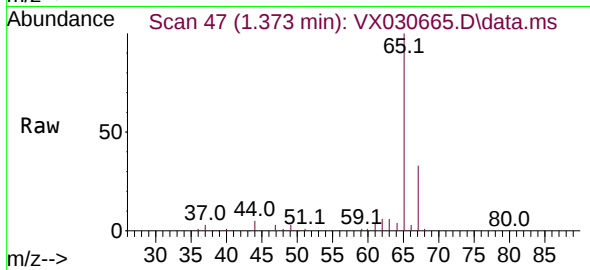
Quant Time: Aug 18 04:24:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM080422WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 18 04:21:09 2022
Response via : Initial Calibration



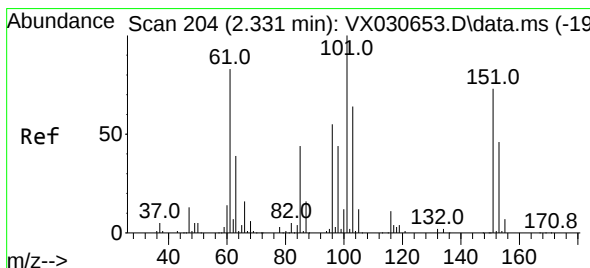
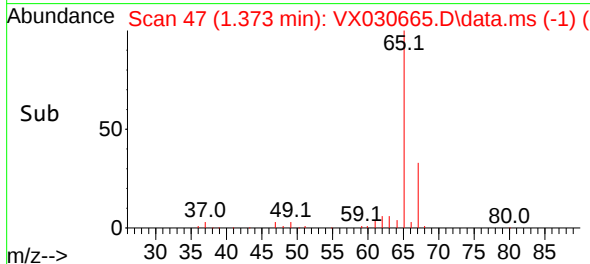
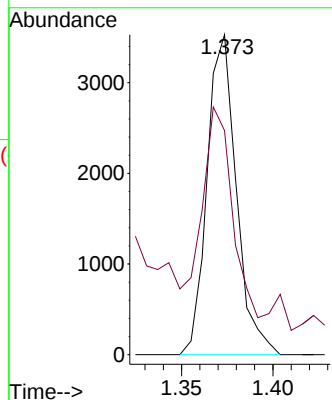


#5
 Vinyl chloride
 Concen: 1.781 ug/L
 RT: 1.373 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX030665.D
 Acq: 17 Aug 2022 17:12

Instrument :
 MSVOA_X
 ClientSampleId :

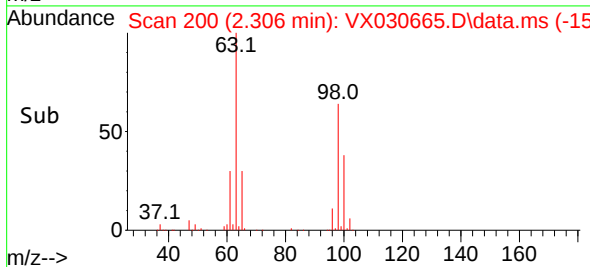
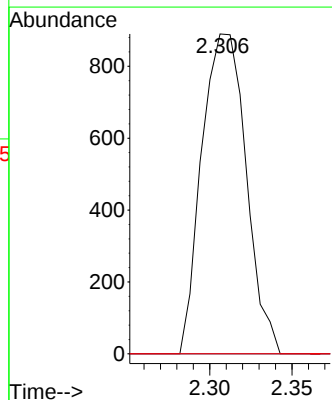
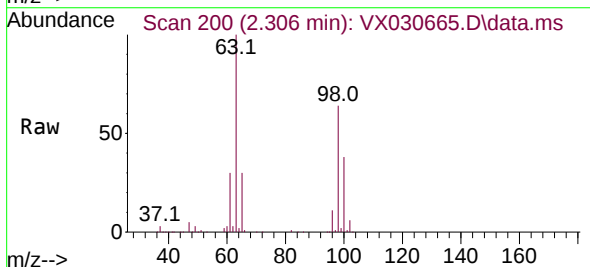


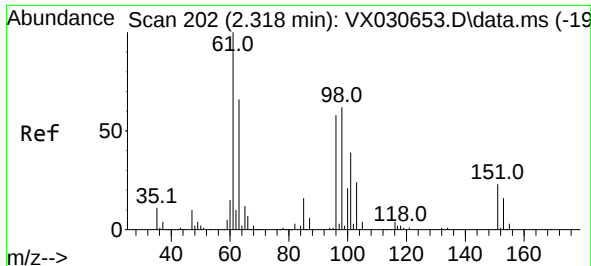
Tgt Ion: 62 Resp: 3920
 Ion Ratio Lower Upper
 62 100
 64 70.0 23.8 44.2#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.865 ug/L
 RT: 2.306 min Scan# 200
 Delta R.T. -0.024 min
 Lab File: VX030665.D
 Acq: 17 Aug 2022 17:12

Tgt Ion: 101 Resp: 1674
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.3 52.9#
 151 0.0 58.3 87.5#





#12

1,1-Dichloroethene

Concen: 26.142 ug/L

RT: 2.318 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX030665.D

Acq: 17 Aug 2022 17:12

Instrument :

MSVOA_X

ClientSampleId :

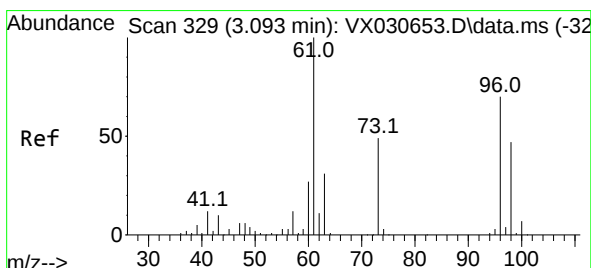
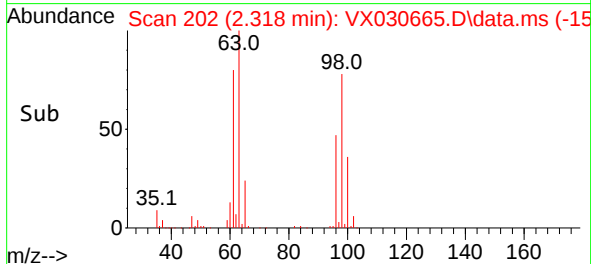
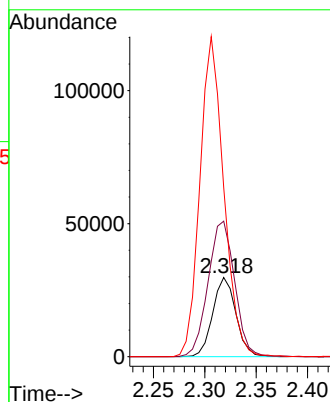
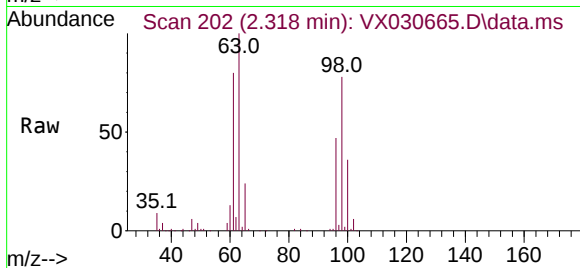
Tgt Ion: 96 Resp: 46590

Ion Ratio Lower Upper

96 100

61 171.0 130.2 241.8

63 213.4 113.5 210.9#



#17

trans-1,2-Dichloroethene

Concen: 1.191 ug/L

RT: 3.093 min Scan# 329

Delta R.T. -0.000 min

Lab File: VX030665.D

Acq: 17 Aug 2022 17:12

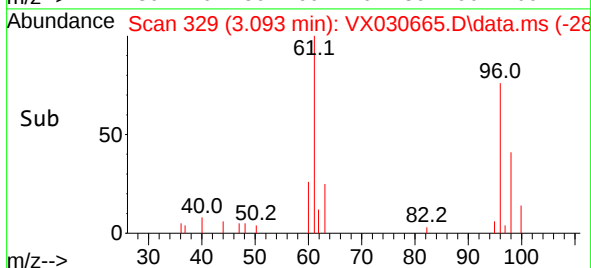
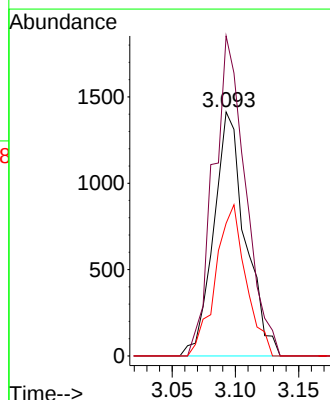
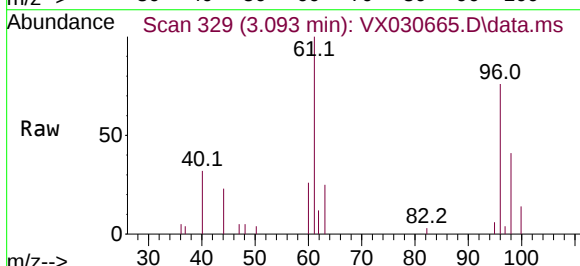
Tgt Ion: 96 Resp: 2459

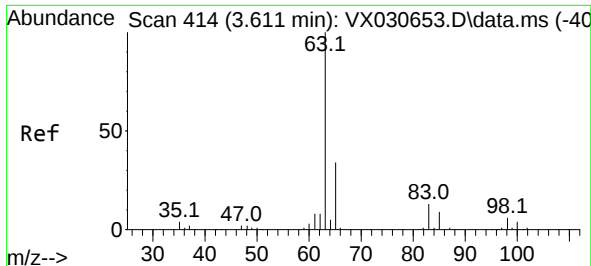
Ion Ratio Lower Upper

96 100

61 131.1 103.7 192.5

98 54.4 41.5 77.1





#19

1,1-Dichloroethane

Concen: 7.282 ug/L

RT: 3.611 min Scan# 414

Delta R.T. -0.000 min

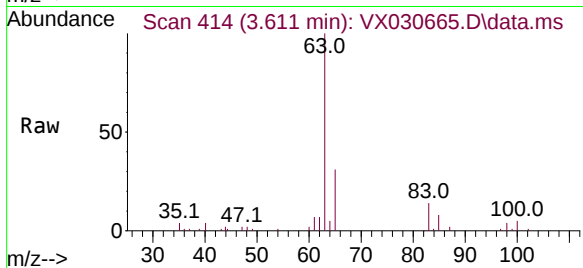
Lab File: VX030665.D

Acq: 17 Aug 2022 17:12

Instrument :

MSVOA_X

ClientSampleId :



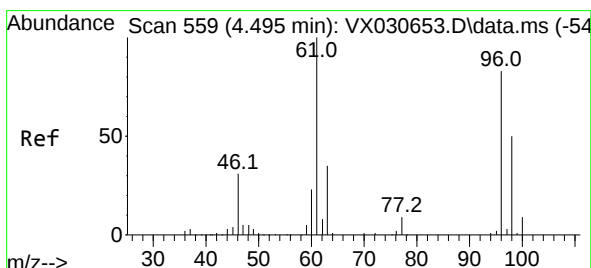
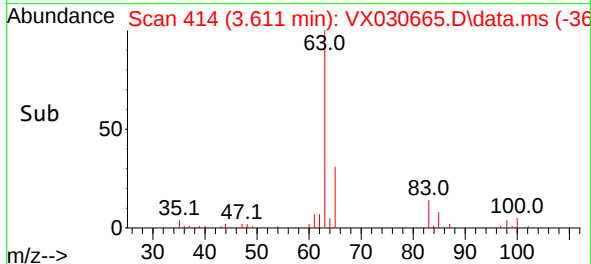
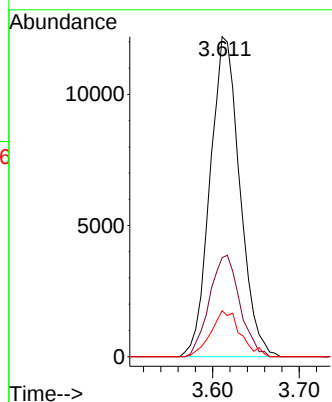
Tgt Ion: 63 Resp: 29080

Ion Ratio Lower Upper

63 100

65 30.9 22.0 40.8

83 14.3 9.9 18.3



#20

cis-1,2-Dichloroethene

Concen: 200.686 ug/L

RT: 4.495 min Scan# 559

Delta R.T. -0.000 min

Lab File: VX030665.D

Acq: 17 Aug 2022 17:12

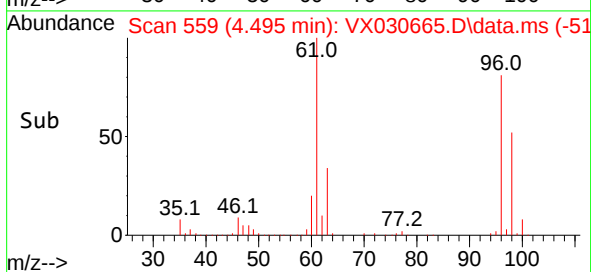
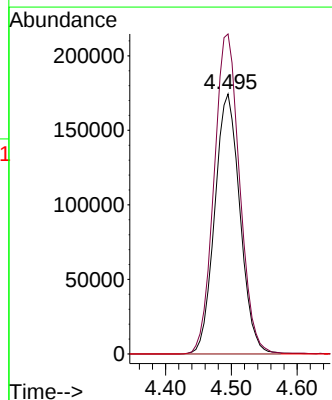
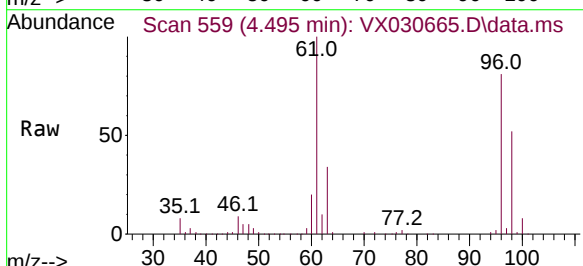
Tgt Ion: 96 Resp: 466113

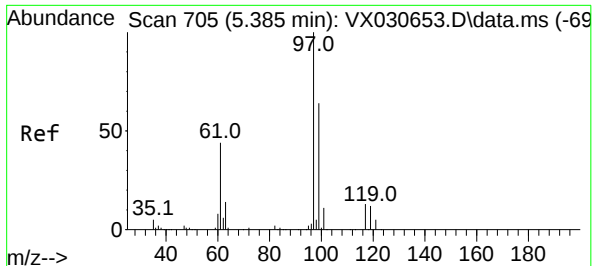
Ion Ratio Lower Upper

96 100

61 123.1 94.0 174.6

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 7.541 ug/L

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX030665.D

Acq: 17 Aug 2022 17:12

Instrument :

MSVOA_X

ClientSampleId :

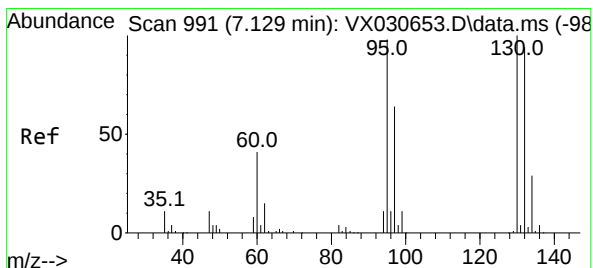
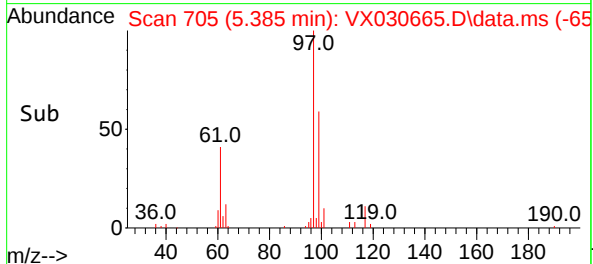
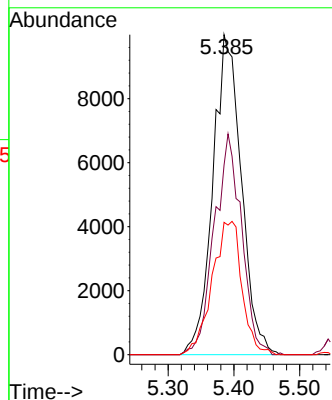
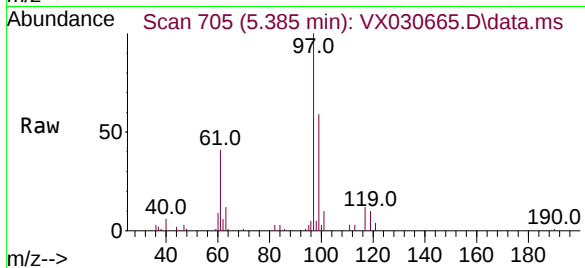
Tgt Ion: 97 Resp: 30125

Ion Ratio Lower Upper

97 100

99 66.0 51.4 77.0

61 25.5 37.0 55.6#



#34

Trichloroethene

Concen: 102.159 ug/L

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX030665.D

Acq: 17 Aug 2022 17:12

Tgt Ion: 95 Resp: 287312

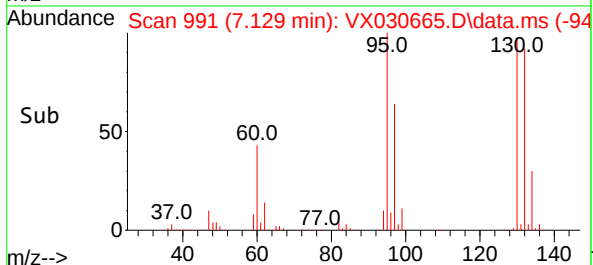
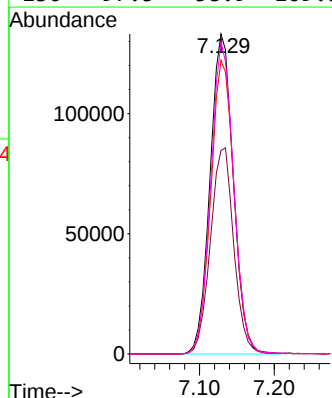
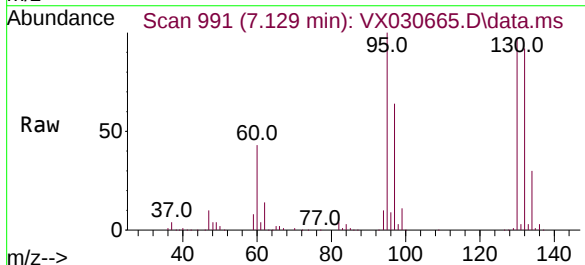
Ion Ratio Lower Upper

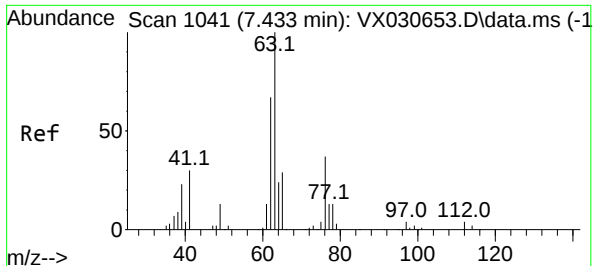
95 100

97 63.6 40.2 74.6

132 91.8 55.3 102.7

130 97.5 58.9 109.5





#37

1,2-Dichloropropane

Concen: 5.673 ug/L

RT: 7.311 min Scan# 1

Delta R.T. -0.122 min

Lab File: VX030665.D

Acq: 17 Aug 2022 17:12

Instrument :

MSVOA_X

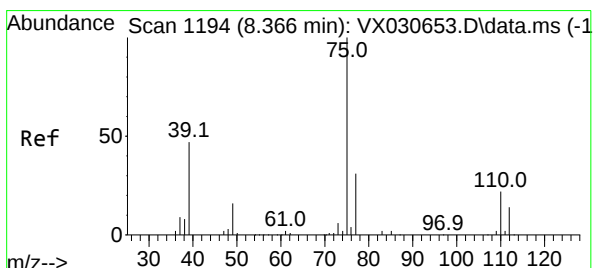
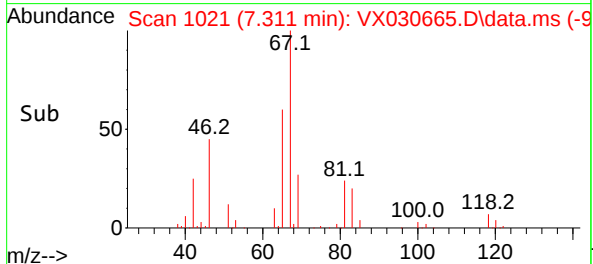
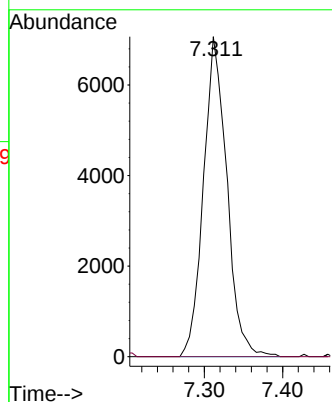
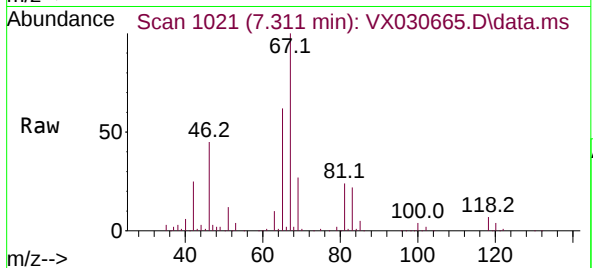
ClientSampleId :

Tgt Ion: 63 Resp: 14646

Ion Ratio Lower Upper

63 100

112 0.4 3.0 4.4#



#39

cis-1,3-Dichloropropene

Concen: 0.991 ug/L

RT: 8.330 min Scan# 1188

Delta R.T. -0.037 min

Lab File: VX030665.D

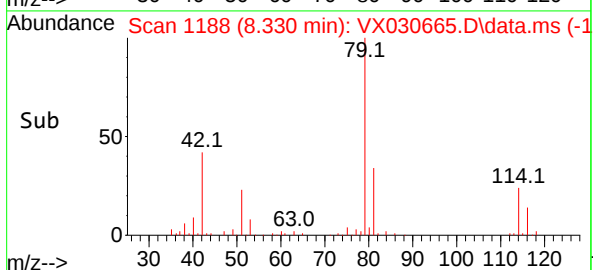
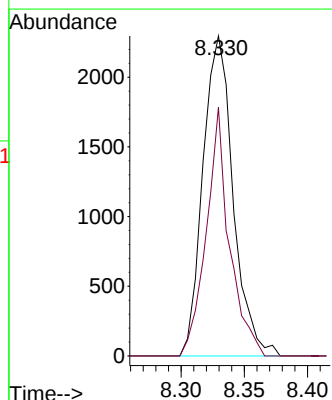
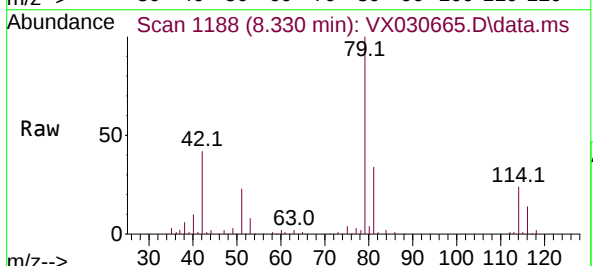
Acq: 17 Aug 2022 17:12

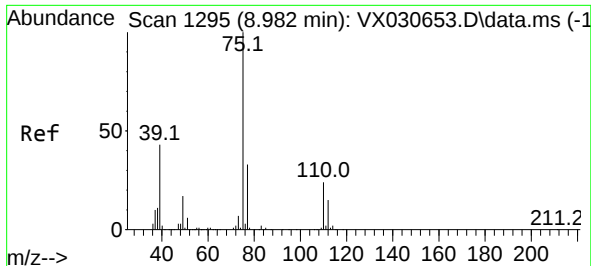
Tgt Ion: 75 Resp: 3817

Ion Ratio Lower Upper

75 100

77 77.7 22.4 41.6#

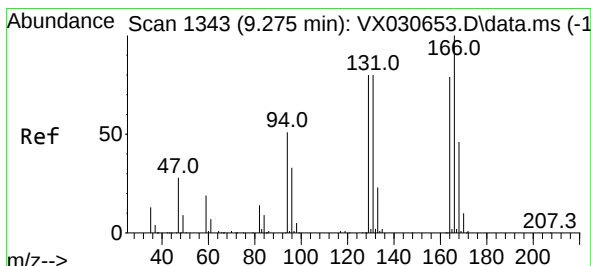
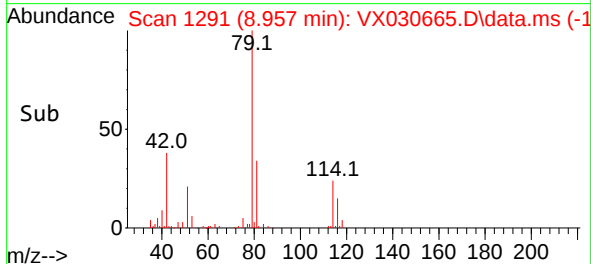
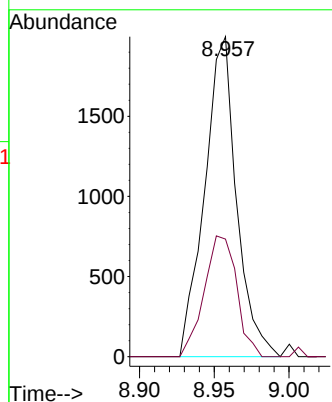
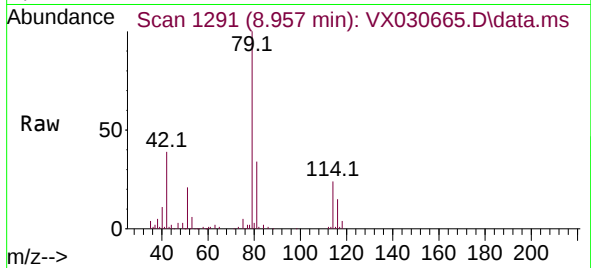




#44
trans-1,3-Dichloropropene
Concen: 0.786 ug/L
RT: 8.957 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX030665.D
Acq: 17 Aug 2022 17:12

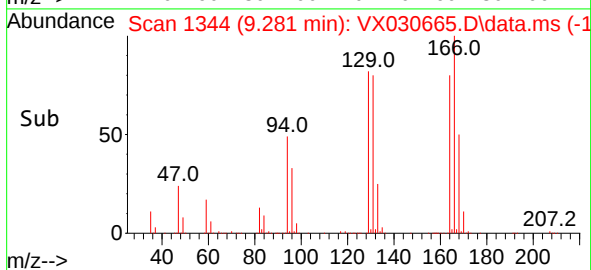
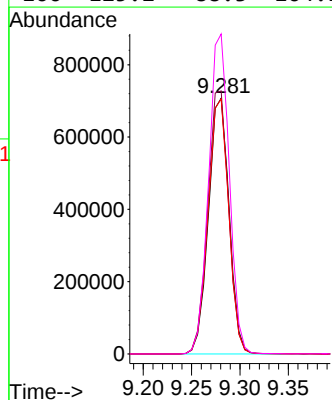
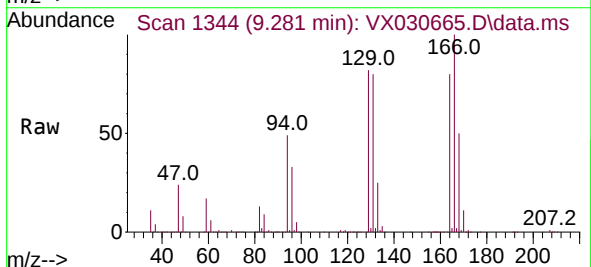
Instrument :
MSVOA_X
ClientSampleId :

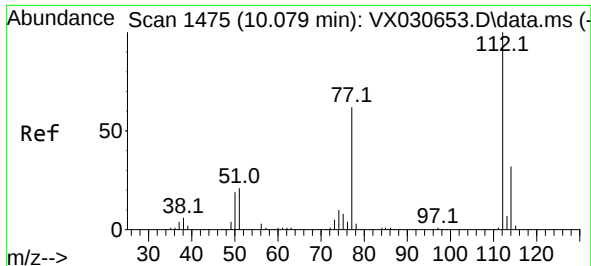
Tgt Ion: 75 Resp: 2964
Ion Ratio Lower Upper
75 100
77 36.8 22.5 41.7



#46
Tetrachloroethene
Concen: 591.532 ug/L
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX030665.D
Acq: 17 Aug 2022 17:12

Tgt Ion:164 Resp: 1051394
Ion Ratio Lower Upper
164 100
129 102.9 72.7 135.1
131 99.7 69.9 129.9
166 125.2 88.3 164.1

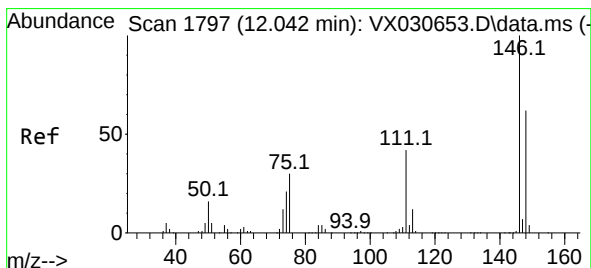
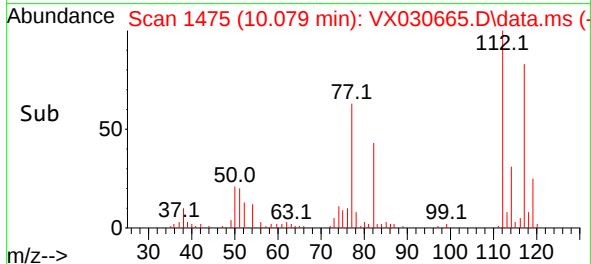
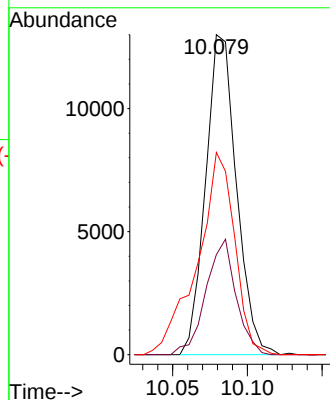
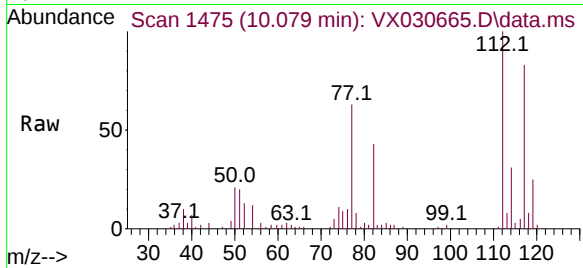




#51
Chlorobenzene
Concen: 2.922 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX030665.D
Acq: 17 Aug 2022 17:12

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:112 Resp: 18674
Ion Ratio Lower Upper
112 100
114 31.3 22.3 41.5
77 63.2 50.8 76.2



#65
1,4-Dichlorobenzene
Concen: 1.478 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX030665.D
Acq: 17 Aug 2022 17:12

Tgt Ion:146 Resp: 6228
Ion Ratio Lower Upper
146 100
111 37.3 32.6 60.6
148 53.7 48.3 89.7

