

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121121\
 Data File : VX025742.D
 Acq On : 11 Dec 2021 14:48
 Operator : JC/MD
 Sample : M4997-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EW5R2

Quant Time: Dec 12 06:35:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML112221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 11 00:48:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	93496	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	86645	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	37603	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	24317	38.110	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.220%
7) Chloroethane-d5	1.666	69	22699	43.103	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.306	63	36673	36.047	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.100%
21) 2-Butanone-d5	4.465	46	46578	98.064	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.060%
24) Chloroform-d	5.062	84	53575	48.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.080%
26) 1,2-Dichloroethane-d4	5.964	65	35924	51.682	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.360%
32) Benzene-d6	5.976	84	104150	45.354	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.700%
36) 1,2-Dichloropropane-d6	7.312	67	32974	46.378	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.760%
41) Toluene-d8	8.653	98	95523	44.070	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.140%
43) trans-1,3-Dichloroprop...	8.952	79	15666	43.827	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.660%
47) 2-Hexanone-d5	9.384	63	32904	88.907	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.910%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	48286	48.055	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.100%
66) 1,2-Dichlorobenzene-d4	12.323	152	34515	46.798	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.600%

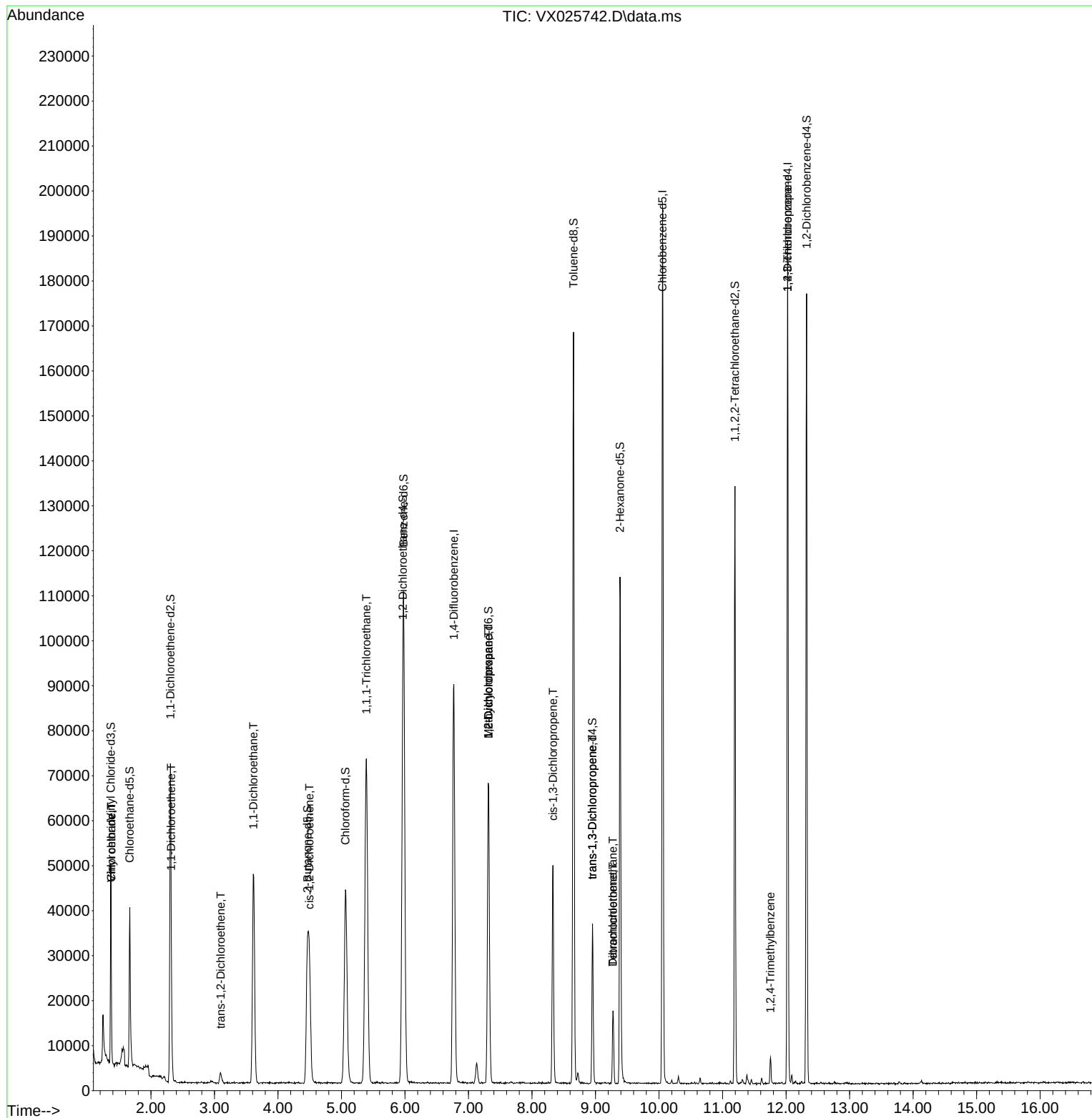
Target Compounds					Qvalue
5) Vinyl chloride	1.374	62	1629	2.464 ug/L	# 41
8) Chloroethane	1.374	64	837	1.901 ug/L	86
12) 1,1-Dichloroethene	2.319	96	1025	2.042 ug/L	# 1
17) trans-1,2-Dichloroethene	3.099	96	979	1.811 ug/L	82
19) 1,1-Dichloroethane	3.611	63	51623	53.330 ug/L	97
20) cis-1,2-Dichloroethene	4.495	96	14688	23.060 ug/L	98
30) 1,1,1-Trichloroethane	5.391	97	71507	74.760 ug/L	98
35) Methylcyclohexane	7.312	83	8409	8.776 ug/L	# 19
37) 1,2-Dichloropropane	7.312	63	3843	6.619 ug/L	# 85
39) cis-1,3-Dichloropropene	8.330	75	1238	1.309 ug/L	# 50
44) trans-1,3-Dichloropropene	8.952	75	734	0.808 ug/L	91
46) Tetrachloroethene	9.275	164	2879	5.576 ug/L	96
49) Dibromochloromethane	9.275	129	2718	3.827 ug/L	# 12
61) 1,2,3-Trichloropropane	12.024	75	4736	7.363 ug/L	# 62
63) 1,2,4-Trimethylbenzene	11.756	105	2635	1.290 ug/L	# 80

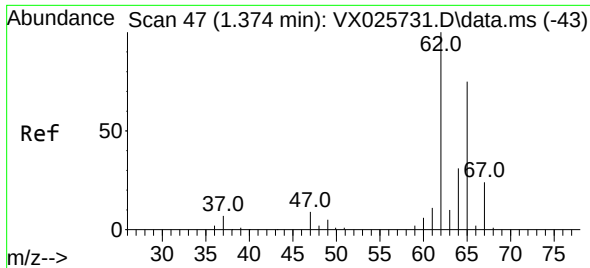
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

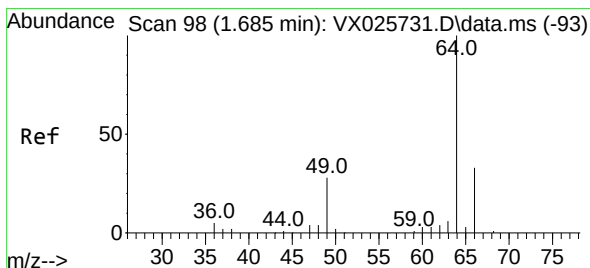
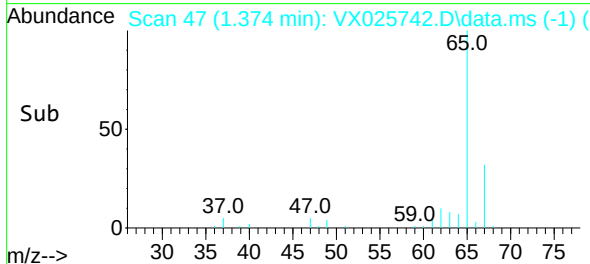
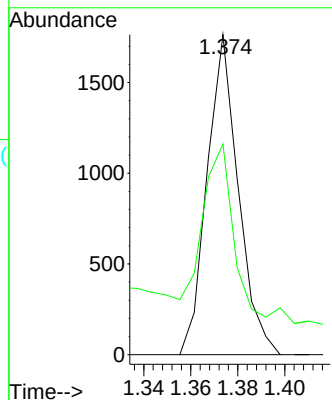
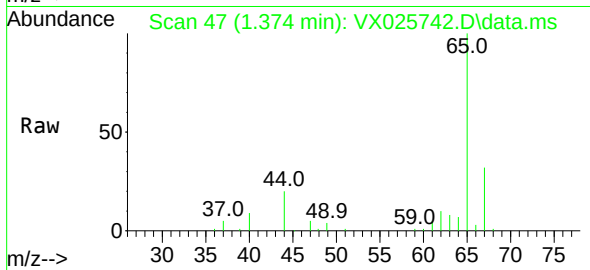




#5
 Vinyl chloride
 Concen: 2.464 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX025742.D
 Acq: 11 Dec 2021 14:48

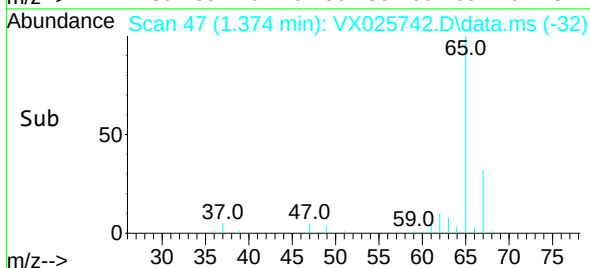
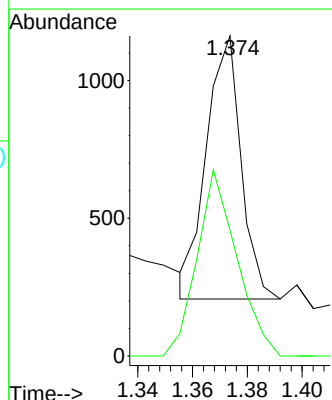
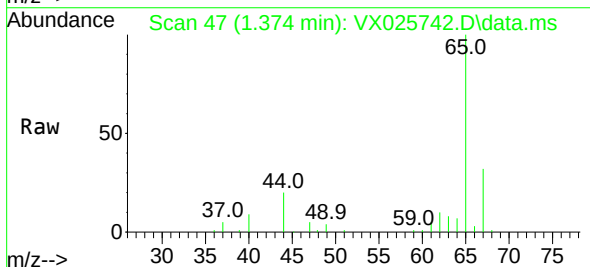
Instrument :
 MSVOA_X
 ClientSampleId :
 EW5R2

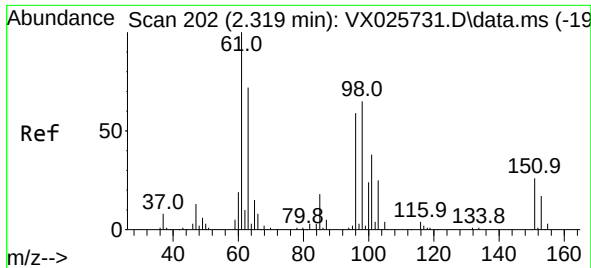
Tgt Ion: 62 Resp: 1629
 Ion Ratio Lower Upper
 62 100
 64 65.9 22.9 42.5#



#8
 Chloroethane
 Concen: 1.901 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. -0.311 min
 Lab File: VX025742.D
 Acq: 11 Dec 2021 14:48

Tgt Ion: 64 Resp: 837
 Ion Ratio Lower Upper
 64 100
 66 39.3 22.0 40.8

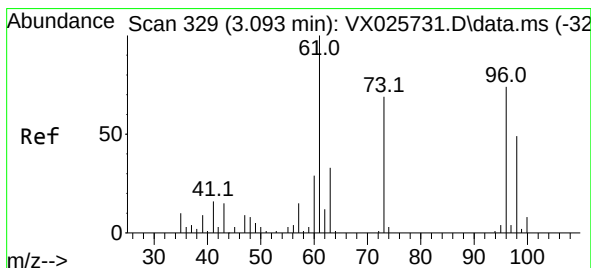
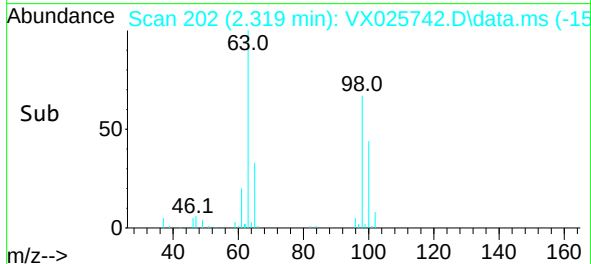
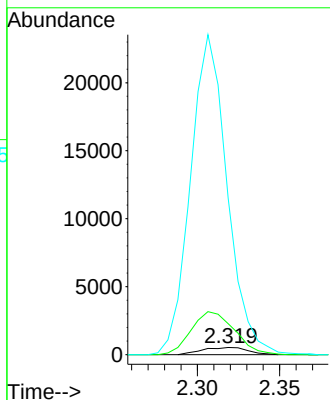
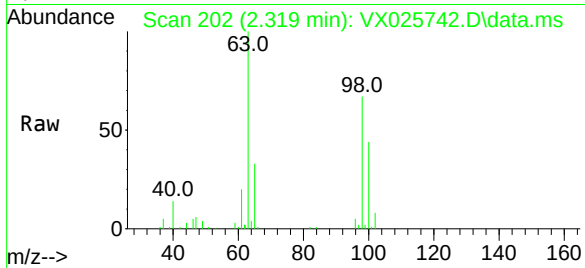




#12
1,1-Dichloroethene
Concen: 2.042 ug/L
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX025742.D
Acq: 11 Dec 2021 14:48

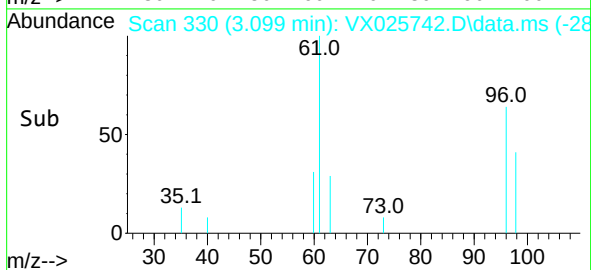
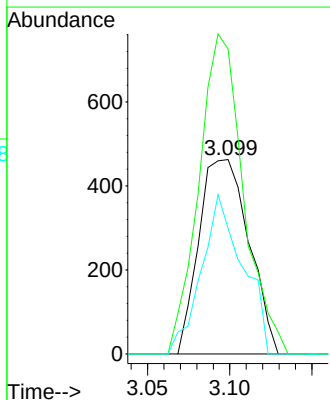
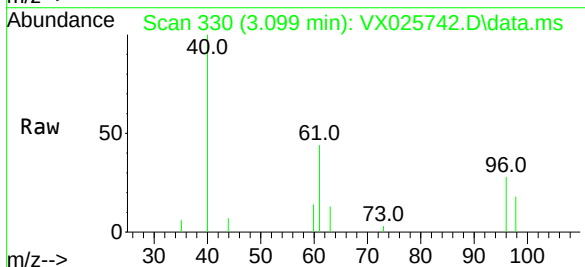
Instrument :
MSVOA_X
ClientSampleId :
EW5R2

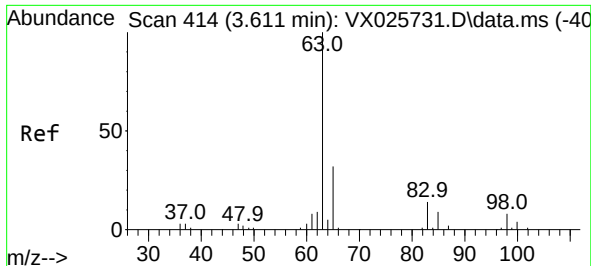
Tgt Ion: 96 Resp: 1025
Ion Ratio Lower Upper
96 100
61 433.2 108.7 201.9#
63 2189.6 76.3 141.7#



#17
trans-1,2-Dichloroethene
Concen: 1.811 ug/L
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX025742.D
Acq: 11 Dec 2021 14:48

Tgt Ion: 96 Resp: 979
Ion Ratio Lower Upper
96 100
61 156.8 88.5 164.4
98 64.6 44.3 82.3





#19

1,1-Dichloroethane

Concen: 53.330 ug/L

RT: 3.611 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX025742.D

Acq: 11 Dec 2021 14:48

Instrument :

MSVOA_X

ClientSampleId :

EW5R2

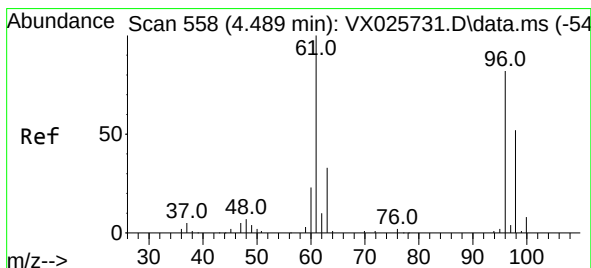
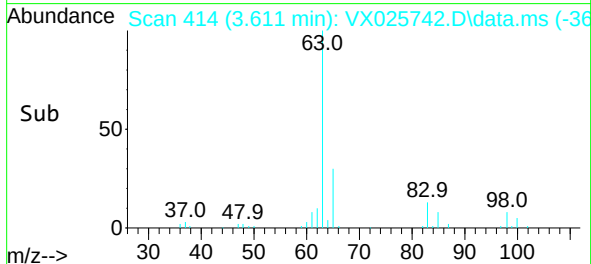
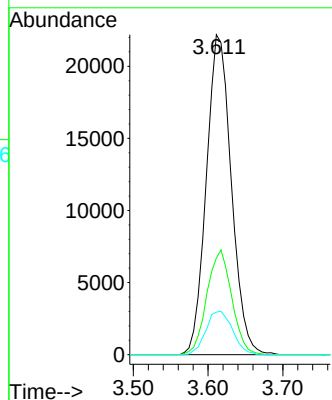
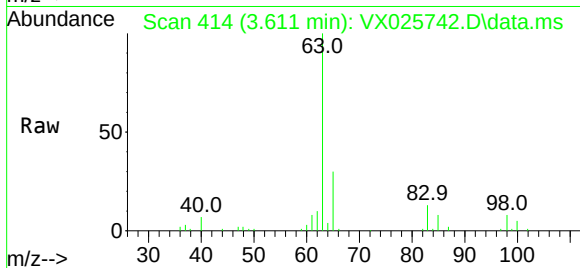
Tgt Ion: 63 Resp: 51623

Ion Ratio Lower Upper

63 100

65 30.2 22.2 41.2

83 13.3 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 23.060 ug/L

RT: 4.495 min Scan# 559

Delta R.T. -0.000 min

Lab File: VX025742.D

Acq: 11 Dec 2021 14:48

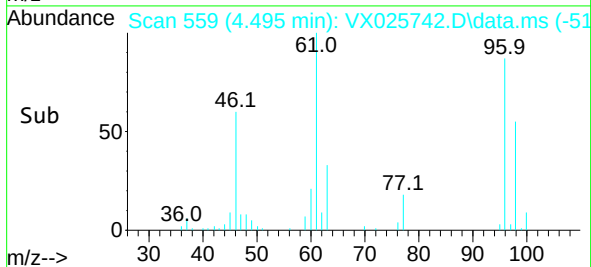
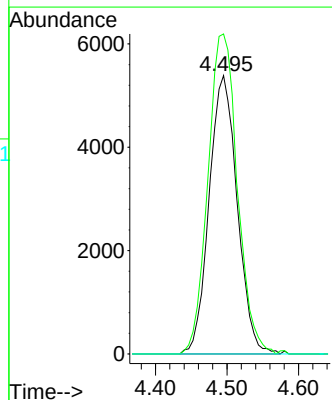
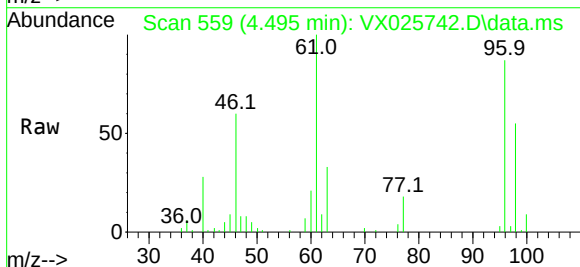
Tgt Ion: 96 Resp: 14688

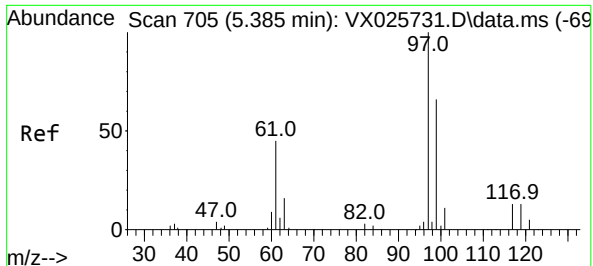
Ion Ratio Lower Upper

96 100

61 114.9 82.3 152.8

68 0.0 0.0 0.0

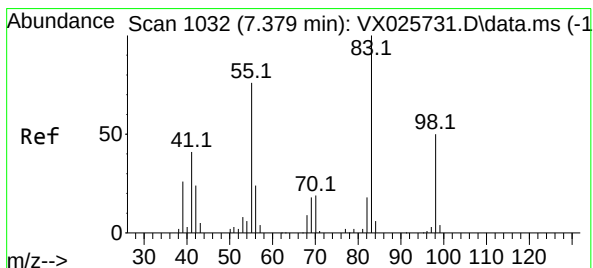
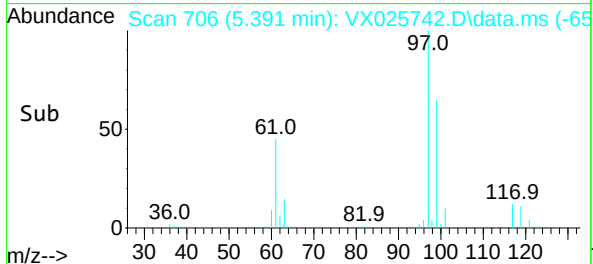
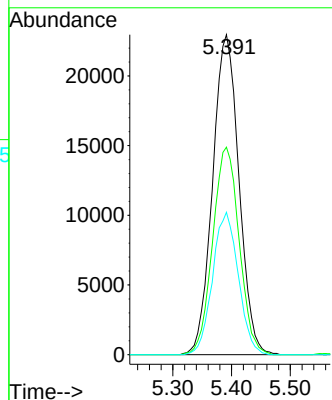
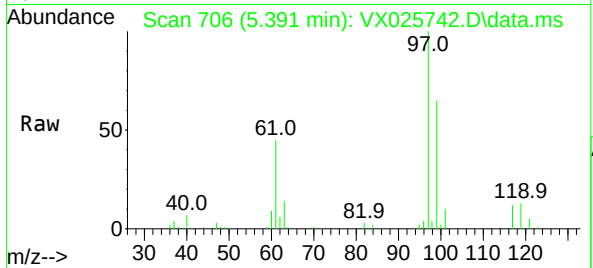




#30
1,1,1-Trichloroethane
Concen: 74.760 ug/L
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025742.D
Acq: 11 Dec 2021 14:48

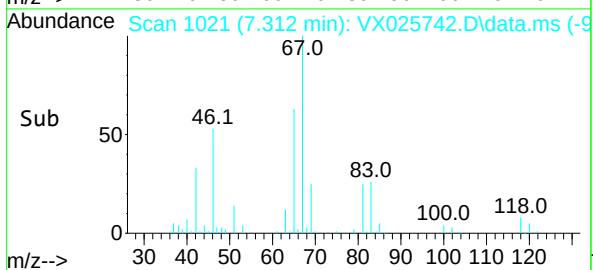
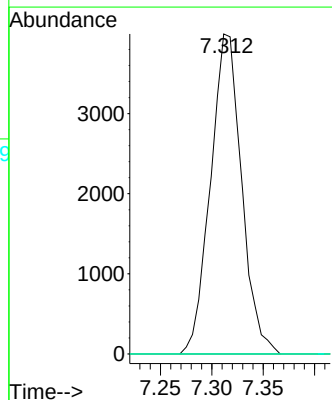
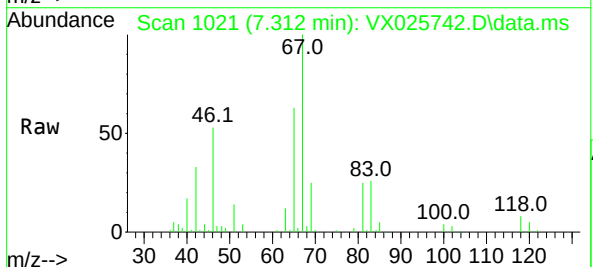
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MSVOA_X
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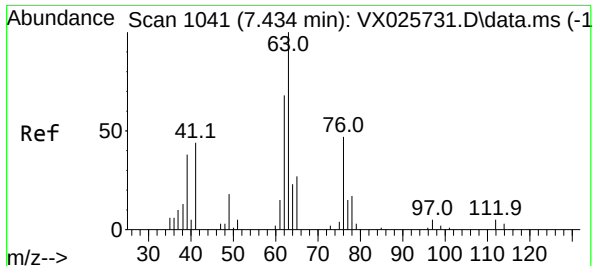
Tgt Ion: 97 Resp: 71507
Ion Ratio Lower Upper
97 100
99 65.3 51.5 77.3
61 43.5 33.1 49.7



#35
Methylcyclohexane
Concen: 8.776 ug/L
RT: 7.312 min Scan# 1021
Delta R.T. -0.073 min
Lab File: VX025742.D
Acq: 11 Dec 2021 14:48

Tgt Ion: 83 Resp: 8409
Ion Ratio Lower Upper
83 100
55 0.0 57.3 85.9#
98 0.5 41.1 61.7#





#37

1,2-Dichloropropane

Concen: 6.619 ug/L

RT: 7.312 min Scan# 1188

Delta R.T. -0.122 min

Lab File: VX025742.D

Acq: 11 Dec 2021 14:48

Instrument :

MSVOA_X

ClientSampleId :

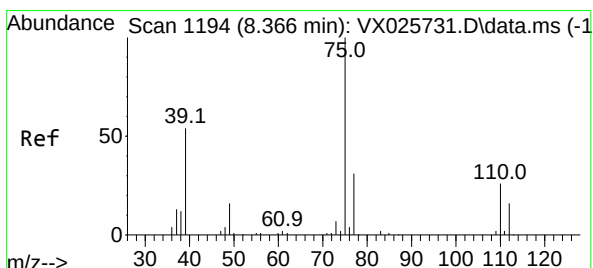
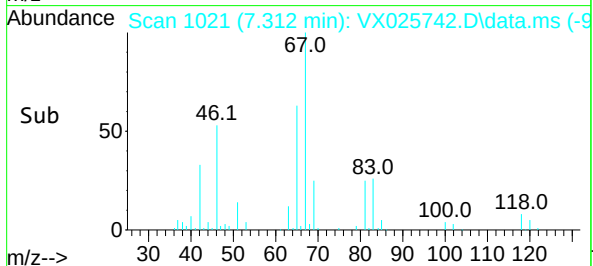
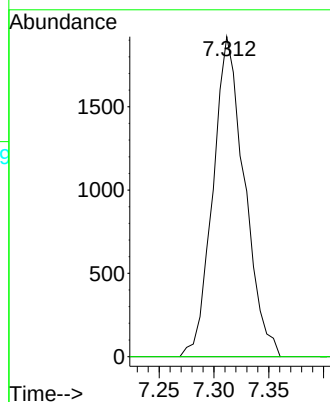
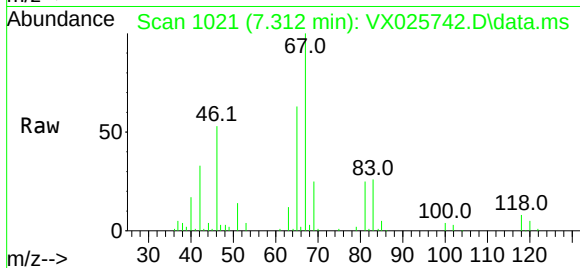
EW5R2

Tgt Ion: 63 Resp: 3843

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 1.309 ug/L

RT: 8.330 min Scan# 1188

Delta R.T. -0.037 min

Lab File: VX025742.D

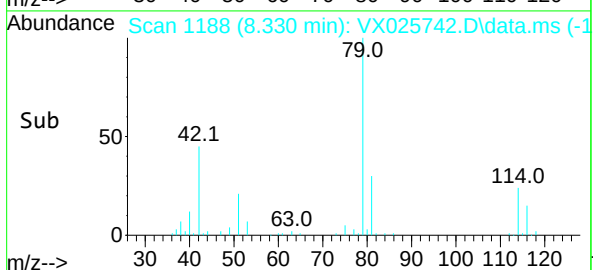
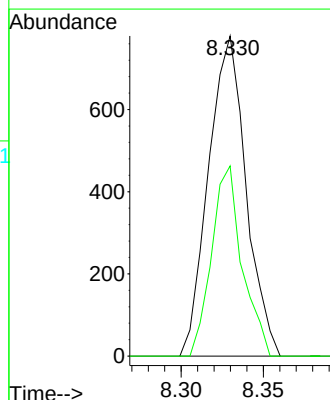
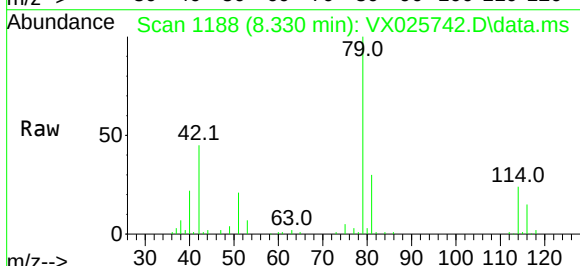
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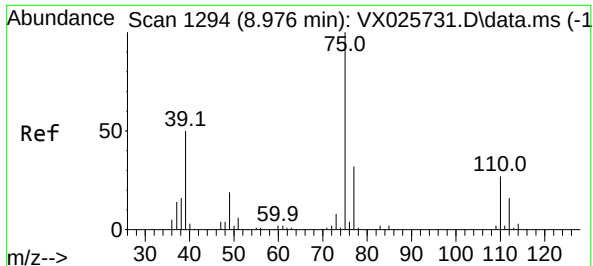
Tgt Ion: 75 Resp: 1238

Ion Ratio Lower Upper

75 100

77 59.4 22.3 41.3#

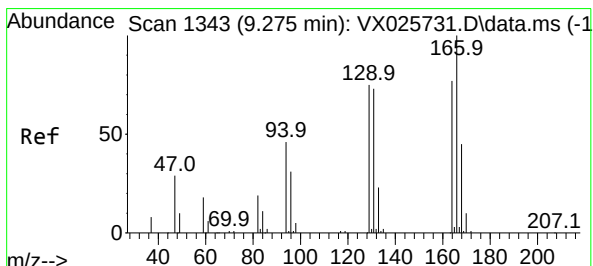
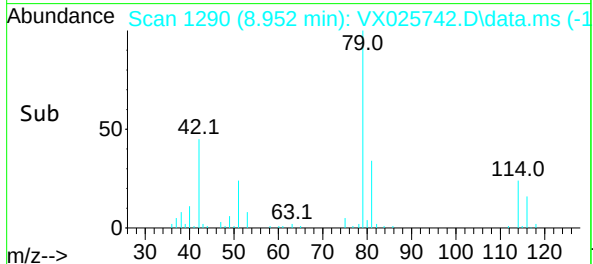
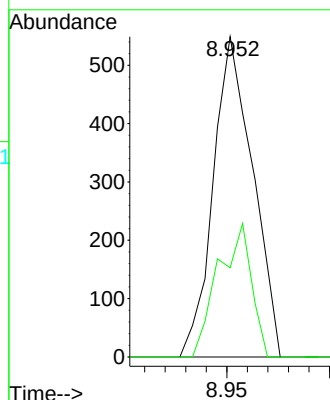
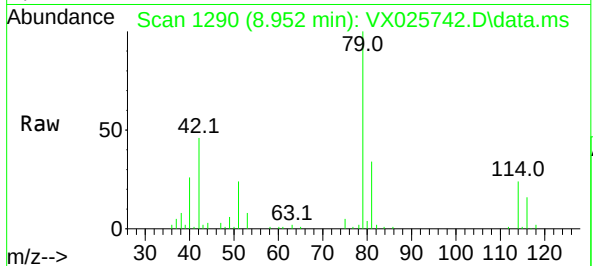




#44
trans-1,3-Dichloropropene
Concen: 0.808 ug/L
RT: 8.952 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX025742.D
Acq: 11 Dec 2021 14:48

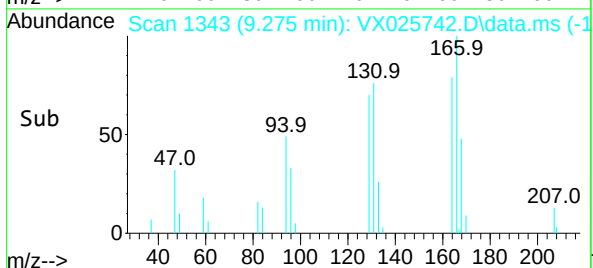
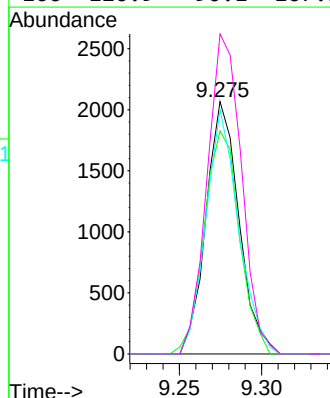
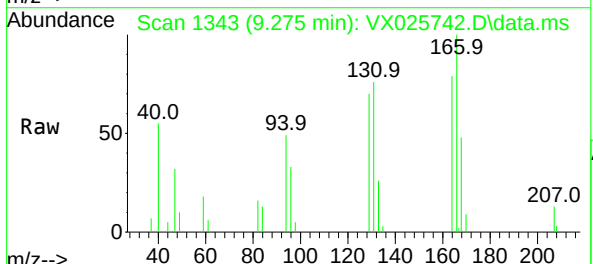
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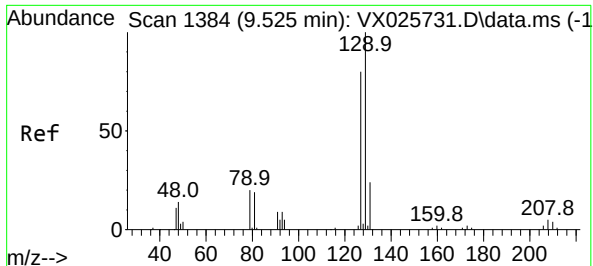
Tgt Ion: 75 Resp: 734
Ion Ratio Lower Upper
75 100
77 27.9 23.0 42.8



#46
Tetrachloroethene
Concen: 5.576 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX025742.D
Acq: 11 Dec 2021 14:48

Tgt Ion: 164 Resp: 2879
Ion Ratio Lower Upper
164 100
129 88.4 64.7 120.1
131 96.7 63.2 117.4
166 126.9 90.1 167.3





#49

Dibromochloromethane

Concen: 3.827 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX025742.D

Acq: 11 Dec 2021 14:48

Instrument :

MSVOA_X

ClientSampleId :

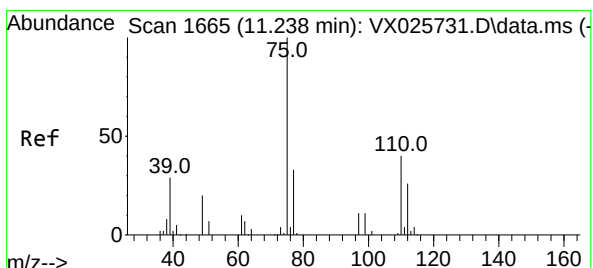
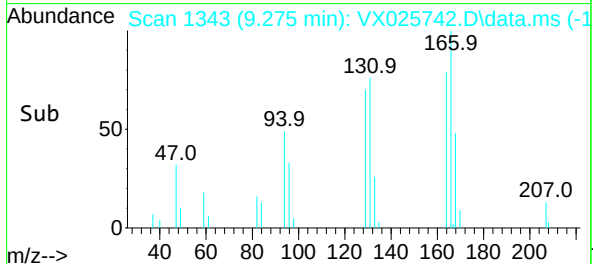
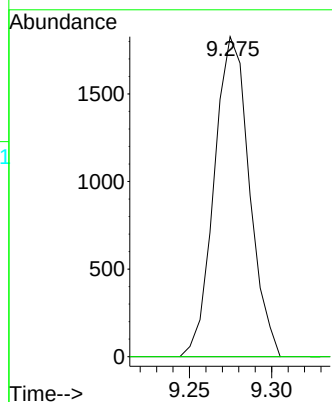
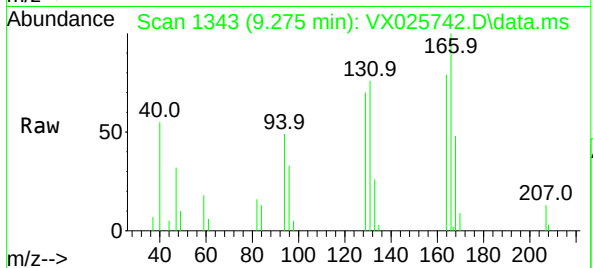
EW5R2

Tgt Ion:129 Resp: 2718

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.2#



#61

1,2,3-Trichloropropane

Concen: 7.363 ug/L

RT: 12.024 min Scan# 1794

Delta R.T. 0.786 min

Lab File: VX025742.D

Acq: 11 Dec 2021 14:48

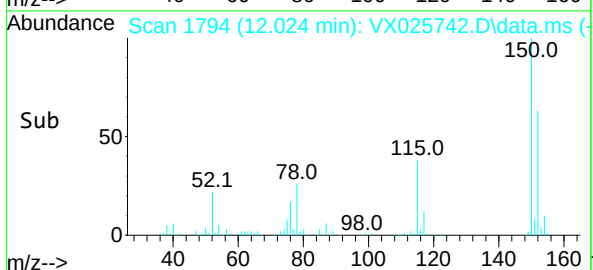
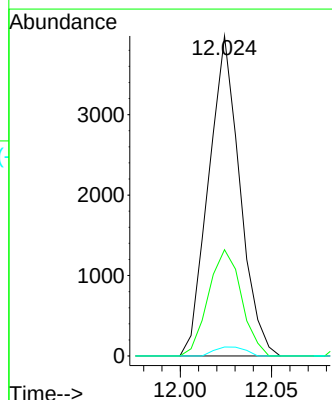
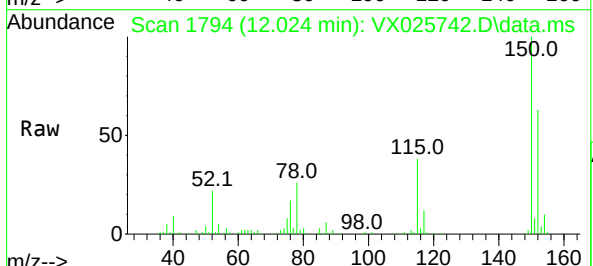
Tgt Ion: 75 Resp: 4736

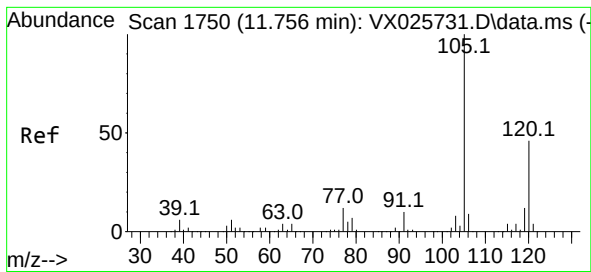
Ion Ratio Lower Upper

75 100

77 35.1 25.8 38.8

110 2.8 34.7 52.1#





#63
1,2,4-Trimethylbenzene
Concen: 1.290 ug/L
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025742.D
Acq: 11 Dec 2021 14:48

Instrument :
MSVOA_X
ClientSampleId :
EW5R2

Tgt Ion:105 Resp: 2635
Ion Ratio Lower Upper
105 100
120 46.8 0.1 0.1#

