

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121121\
 Data File : VX025739.D
 Acq On : 11 Dec 2021 13:38
 Operator : JC/MD
 Sample : M4997-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EW5Q2

Quant Time: Dec 12 06:34:54 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	57018	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	52189	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	20793	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	16949	43.557	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.120%
7) Chloroethane-d5	1.660	69	15730	48.979	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.960%
11) 1,1-Dichloroethene-d2	2.306	63	25871	41.698	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.400%
21) 2-Butanone-d5	4.458	46	41269	142.473	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	142.470%#
24) Chloroform-d	5.062	84	37051	54.481	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.960%
26) 1,2-Dichloroethane-d4	5.958	65	26245	61.914	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	123.820%
32) Benzene-d6	5.976	84	73456	53.107	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.220%
36) 1,2-Dichloropropane-d6	7.312	67	23325	54.466	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.940%
41) Toluene-d8	8.653	98	65358	50.061	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.120%
43) trans-1,3-Dichloroprop...	8.952	79	11064	51.387	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.780%
47) 2-Hexanone-d5	9.384	63	27039	121.295	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.290%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	37368	61.742	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	123.480%#
66) 1,2-Dichlorobenzene-d4	12.323	152	22160	54.337	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.680%

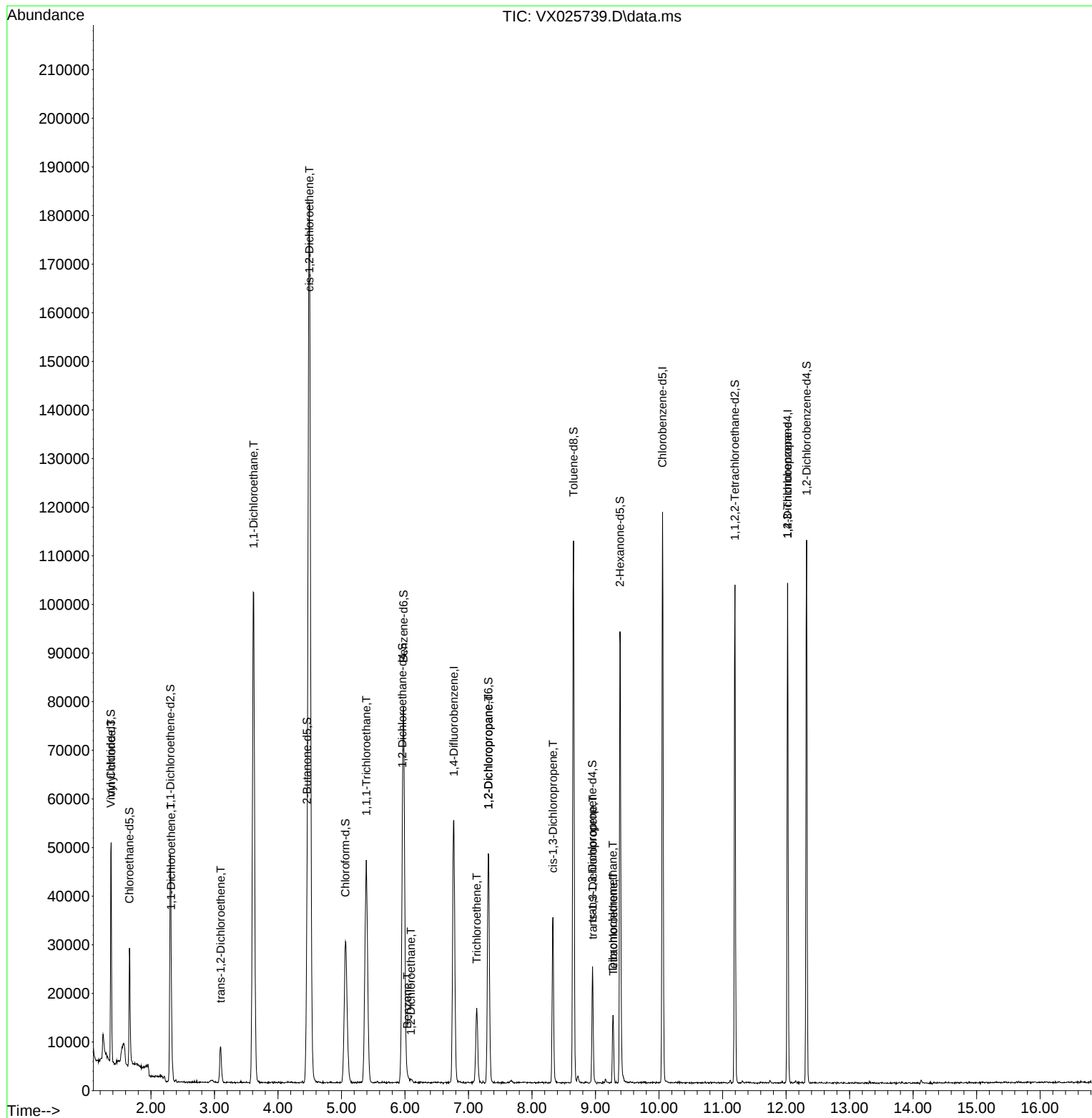
Target Compounds					Qvalue	
5) Vinyl chloride	1.374	62	12702	31.505	ug/L	99
12) 1,1-Dichloroethene	2.319	96	1250	4.083	ug/L #	1
17) trans-1,2-Dichloroethene	3.099	96	3158	9.580	ug/L	92
19) 1,1-Dichloroethane	3.617	63	113907	192.956	ug/L	99
20) cis-1,2-Dichloroethene	4.495	96	112499	289.613	ug/L	98
27) 1,2-Dichloroethane	6.092	62	791	1.693	ug/L #	73
30) 1,1,1-Trichloroethane	5.391	97	43591	75.663	ug/L	98
33) Benzene	6.037	78	1399	1.003	ug/L	100
34) Trichloroethene	7.129	95	5422	14.786	ug/L	89
37) 1,2-Dichloropropane	7.312	63	2897	8.284	ug/L #	85
39) cis-1,3-Dichloropropene	8.330	75	897	1.575	ug/L #	72
44) trans-1,3-Dichloropropene	8.958	75	589	1.076	ug/L	96
46) Tetrachloroethene	9.281	164	2444	7.859	ug/L	93
49) Dibromochloromethane	9.275	129	2411	5.637	ug/L #	12
61) 1,2,3-Trichloropropane	12.024	75	2672	7.512	ug/L #	60

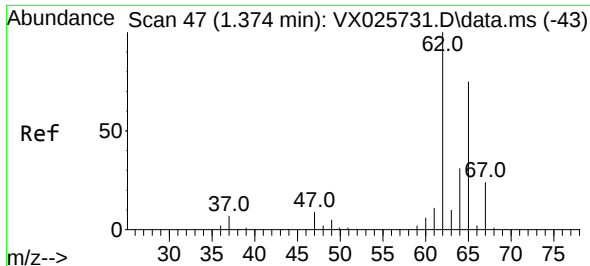
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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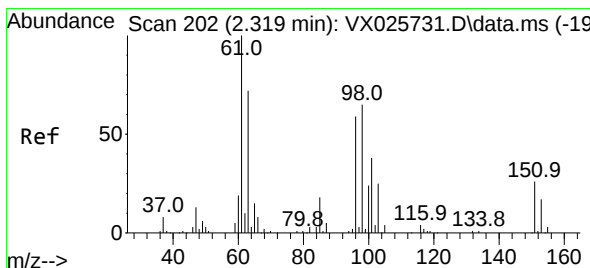
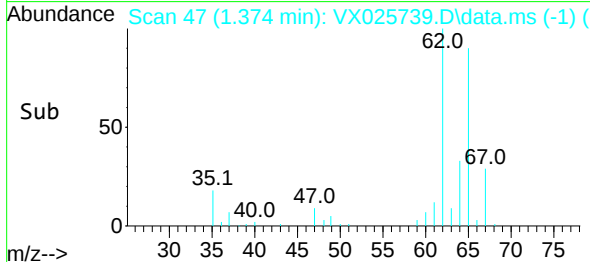
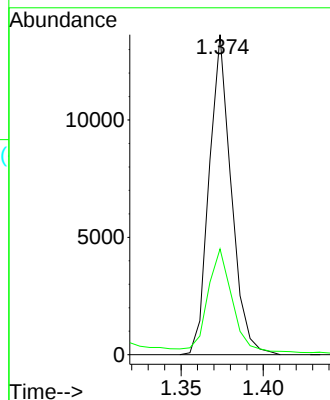
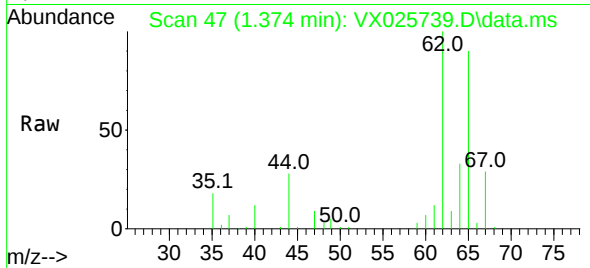




#5
 Vinyl chloride
 Concen: 31.505 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX025739.D
 Acq: 11 Dec 2021 13:38

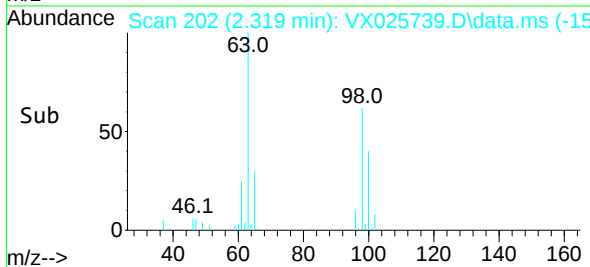
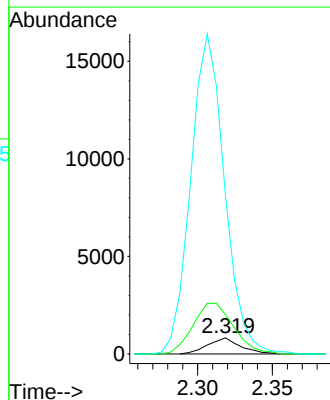
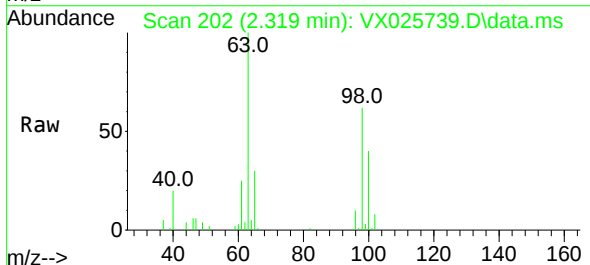
Instrument :
 MSVOA_X
 ClientSampleId :
 EW5Q2

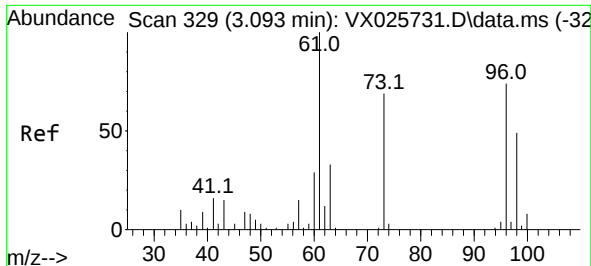
Tgt Ion: 62 Resp: 12702
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.9 42.5



#12
 1,1-Dichloroethene
 Concen: 4.083 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX025739.D
 Acq: 11 Dec 2021 13:38

Tgt Ion: 96 Resp: 1250
 Ion Ratio Lower Upper
 96 100
 61 243.5 108.7 201.9#
 63 976.3 76.3 141.7#

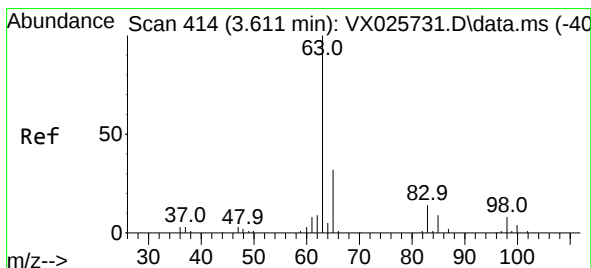
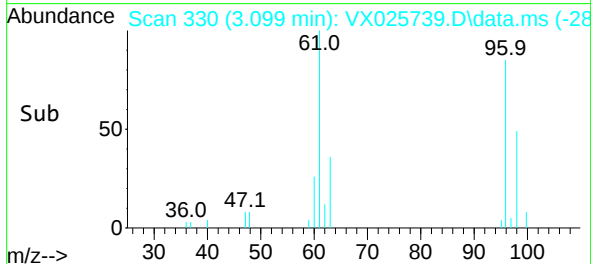
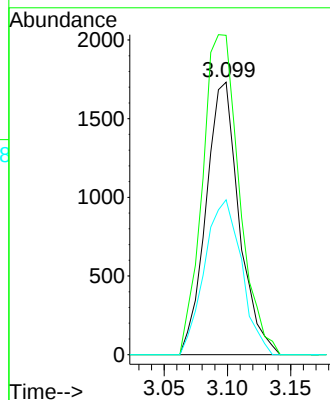
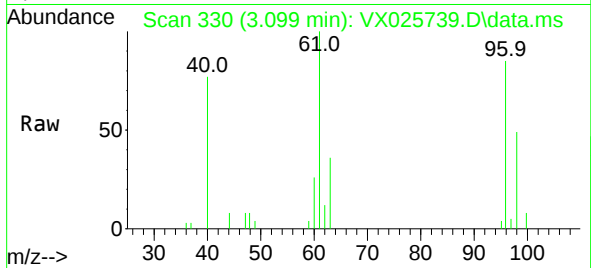




#17
trans-1,2-Dichloroethene
Concen: 9.580 ug/L
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX025739.D
Acq: 11 Dec 2021 13:38

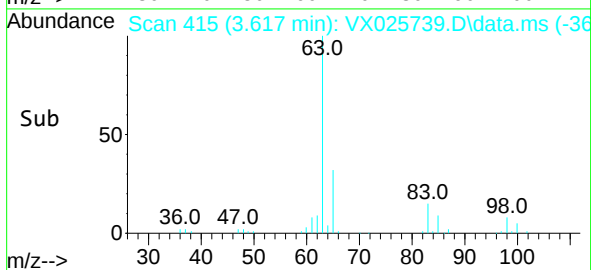
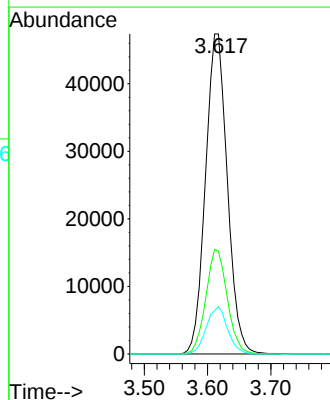
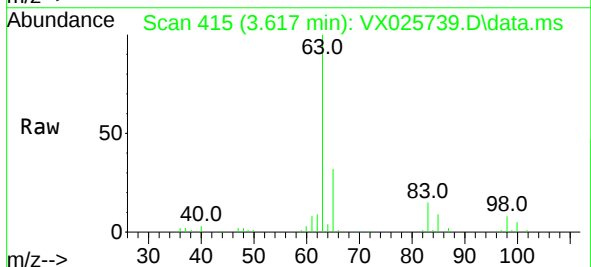
Instrument :
MSVOA_X
ClientSampleId :
EW5Q2

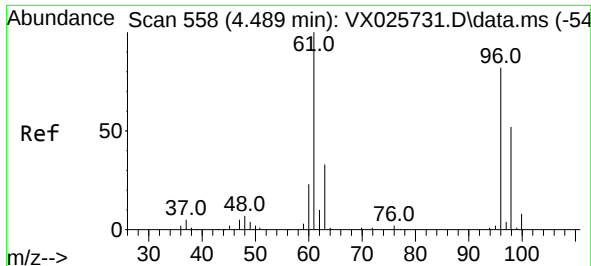
Tgt Ion: 96 Resp: 3158
Ion Ratio Lower Upper
96 100
61 117.2 88.5 164.4
98 56.9 44.3 82.3



#19
1,1-Dichloroethane
Concen: 192.956 ug/L
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX025739.D
Acq: 11 Dec 2021 13:38

Tgt Ion: 63 Resp: 113907
Ion Ratio Lower Upper
63 100
65 32.1 22.2 41.2
83 14.8 10.2 19.0

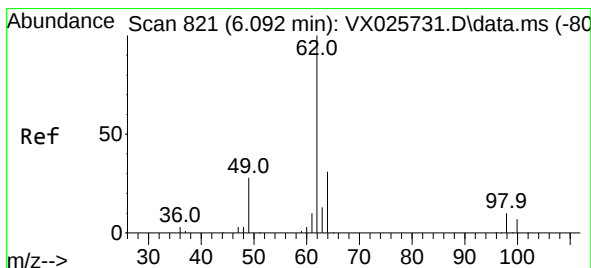
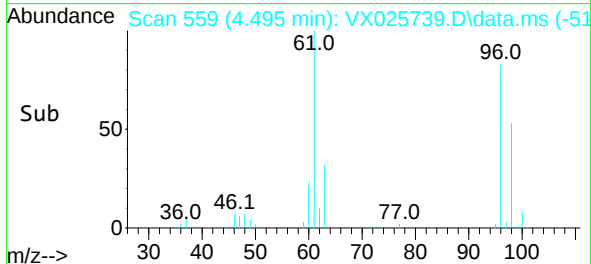
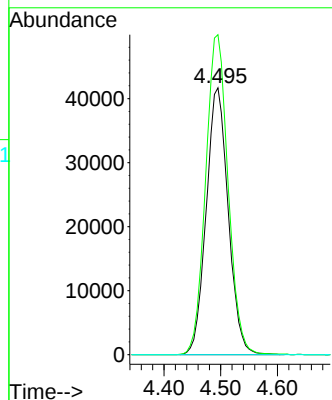
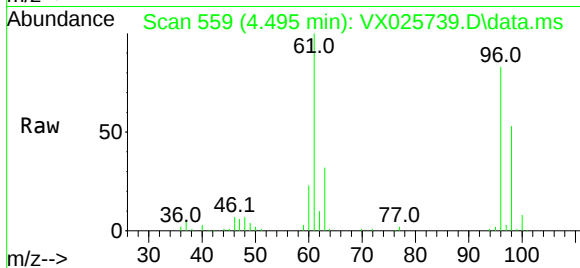




#20
cis-1,2-Dichloroethene
Concen: 289.613 ug/L
RT: 4.495 min Scan# 511
Delta R.T. -0.000 min
Lab File: VX025739.D
Acq: 11 Dec 2021 13:38

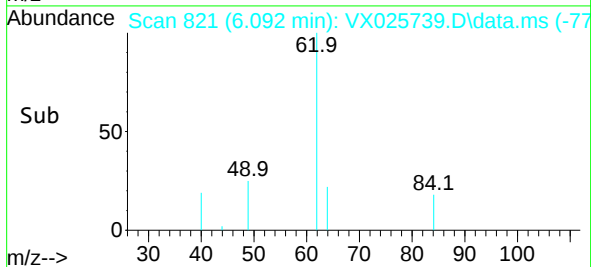
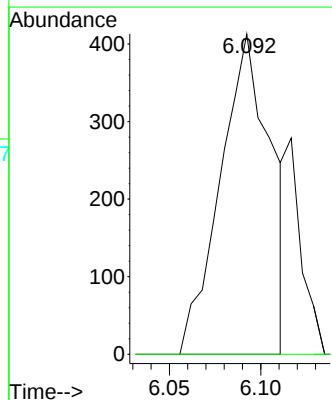
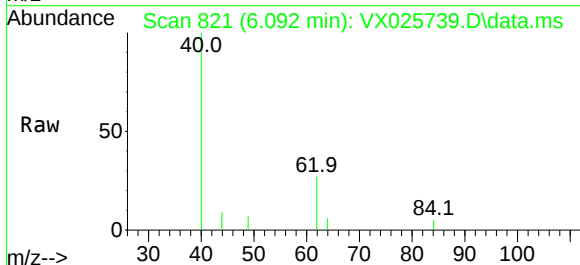
Instrument :
MSVOA_X
ClientSampleId :
EW5Q2

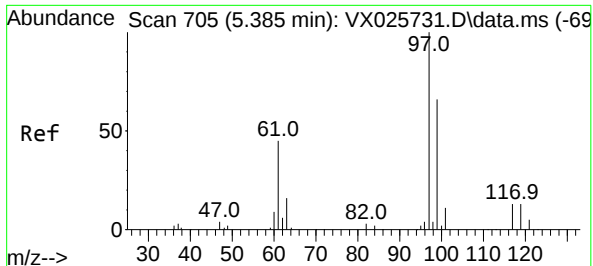
Tgt Ion: 96 Resp: 112499
Ion Ratio Lower Upper
96 100
61 119.9 82.3 152.8
68 0.0 0.0 0.0



#27
1,2-Dichloroethane
Concen: 1.693 ug/L
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX025739.D
Acq: 11 Dec 2021 13:38

Tgt Ion: 62 Resp: 791
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#





#30

1,1,1-Trichloroethane

Concen: 75.663 ug/L

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX025739.D

Acq: 11 Dec 2021 13:38

Instrument :

MSVOA_X

ClientSampleId :

EW5Q2

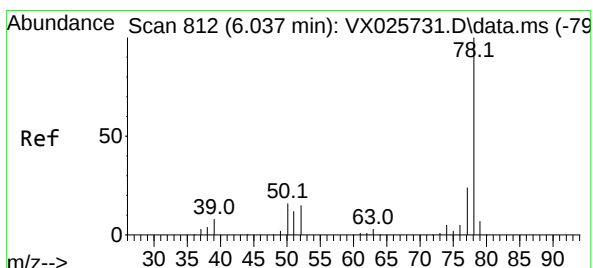
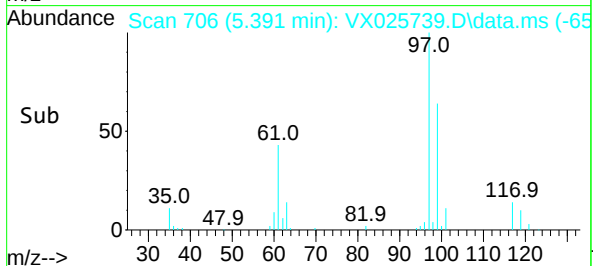
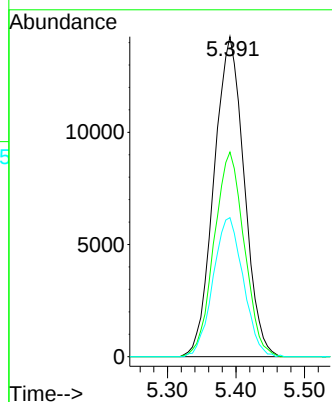
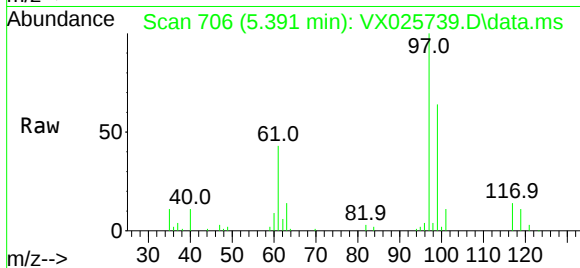
Tgt Ion: 97 Resp: 43591

Ion Ratio Lower Upper

97 100

99 63.8 51.5 77.3

61 43.4 33.1 49.7



#33

Benzene

Concen: 1.003 ug/L

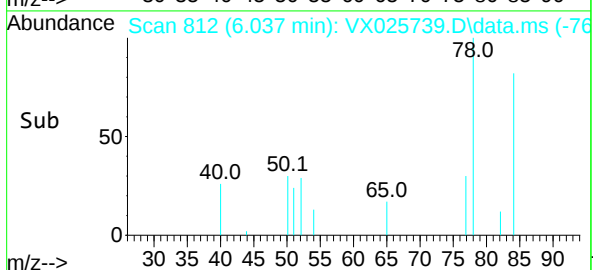
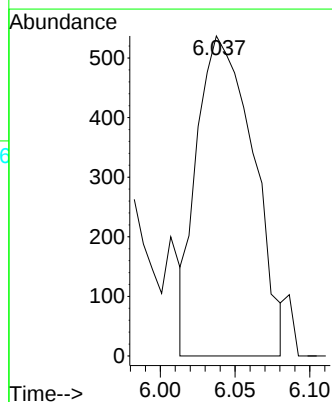
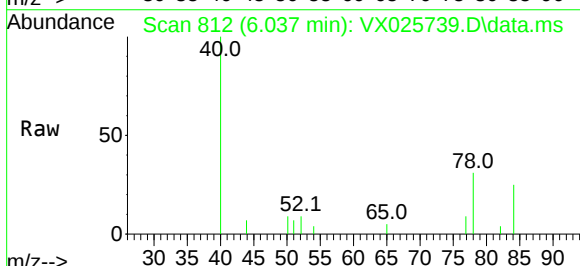
RT: 6.037 min Scan# 812

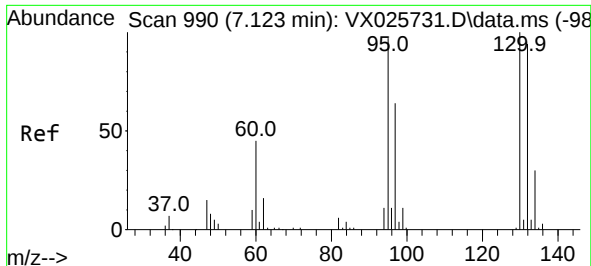
Delta R.T. -0.000 min

Lab File: VX025739.D

Acq: 11 Dec 2021 13:38

Tgt Ion: 78 Resp: 1399



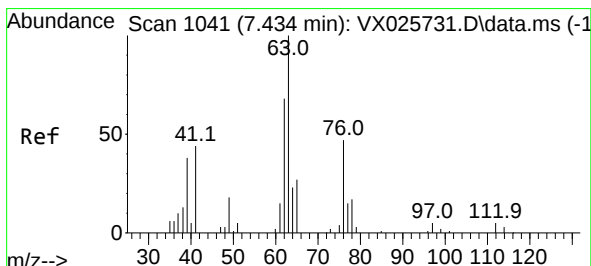
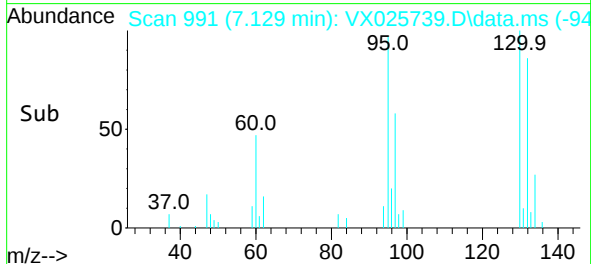
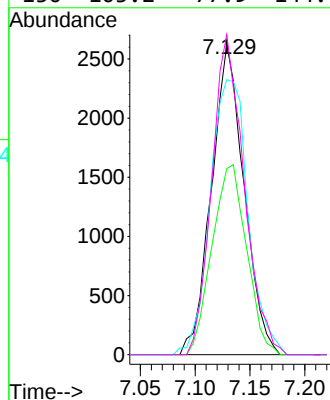
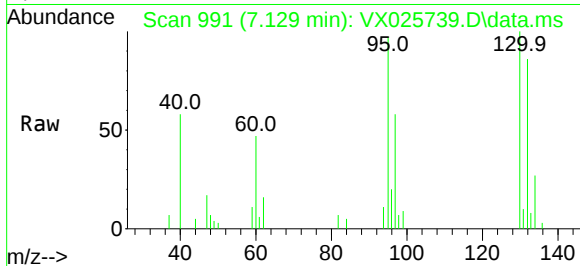


#34
Trichloroethene
Concen: 14.786 ug/L
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025739.D
Acq: 11 Dec 2021 13:38

Instrument :
MSVOA_X
ClientSampleId :
EW5Q2

Tgt Ion: 95 Resp: 5422

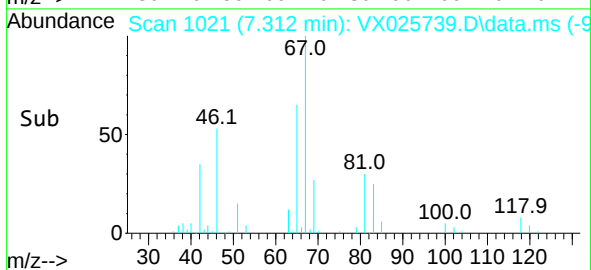
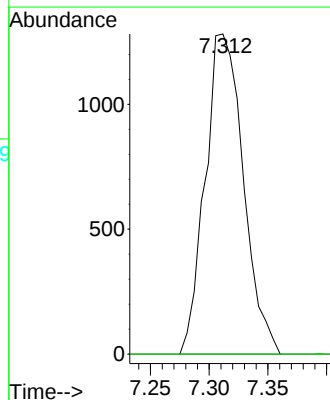
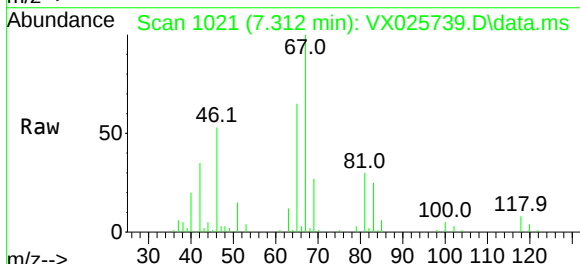
Ion	Ratio	Lower	Upper
95	100		
97	60.0	46.0	85.4
132	88.7	75.0	139.2
130	103.2	77.9	144.7

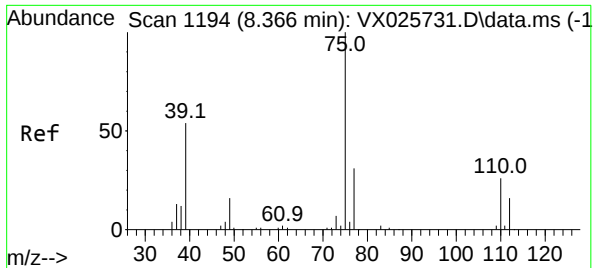


#37
1,2-Dichloropropane
Concen: 8.284 ug/L
RT: 7.312 min Scan# 1021
Delta R.T. -0.122 min
Lab File: VX025739.D
Acq: 11 Dec 2021 13:38

Tgt Ion: 63 Resp: 2897

Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.0	6.0#





#39

cis-1,3-Dichloropropene

Concen: 1.575 ug/L

RT: 8.330 min Scan# 1194

Delta R.T. -0.037 min

Lab File: VX025739.D

Acq: 11 Dec 2021 13:38

Instrument :

MSVOA_X

ClientSampleId :

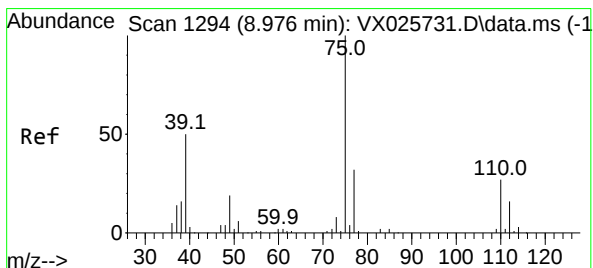
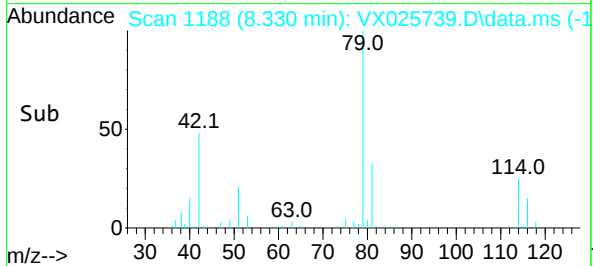
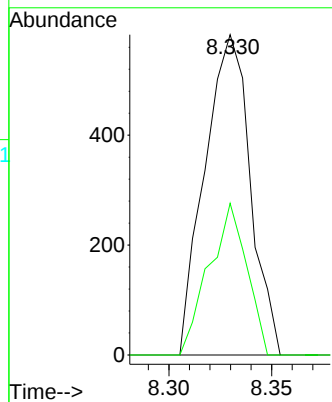
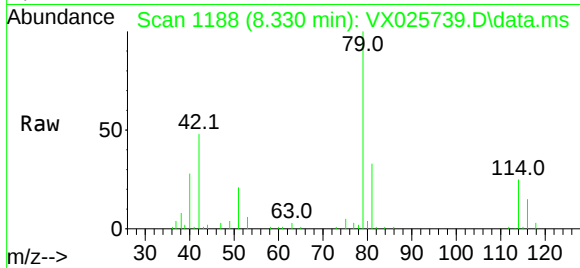
EW5Q2

Tgt Ion: 75 Resp: 897

Ion Ratio Lower Upper

75 100

77 47.3 22.3 41.3#



#44

trans-1,3-Dichloropropene

Concen: 1.076 ug/L

RT: 8.958 min Scan# 1291

Delta R.T. -0.025 min

Lab File: VX025739.D

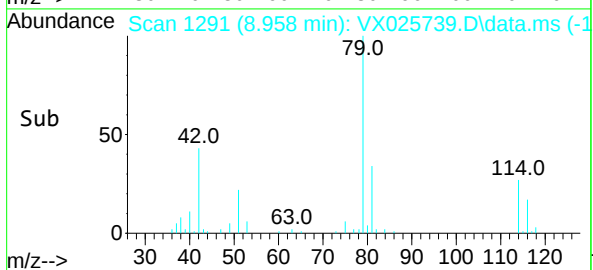
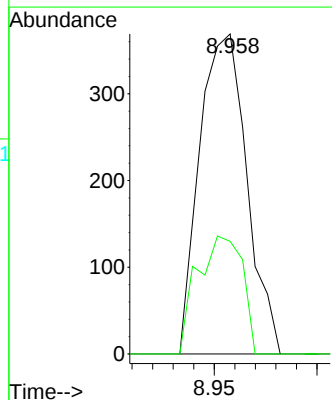
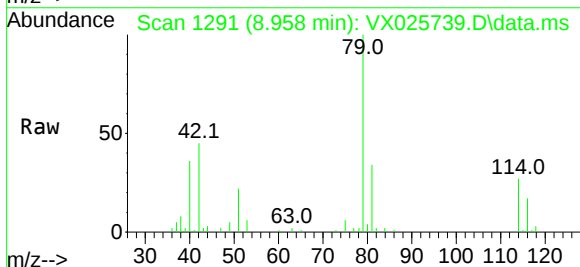
Acq: 11 Dec 2021 13:38

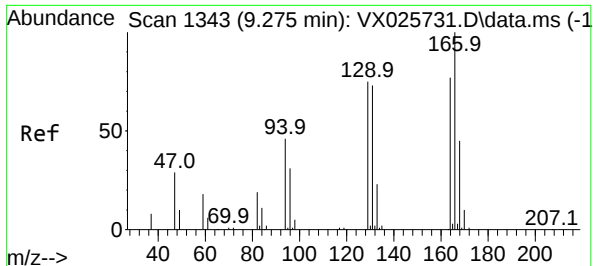
Tgt Ion: 75 Resp: 589

Ion Ratio Lower Upper

75 100

77 35.2 23.0 42.8



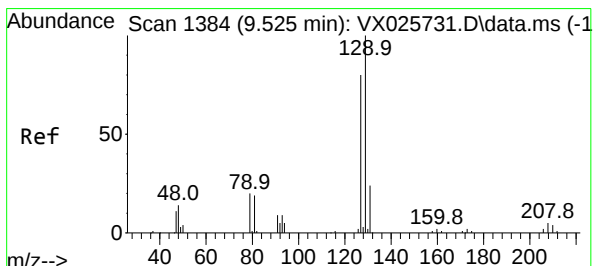
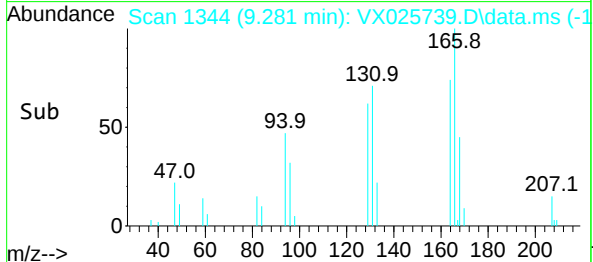
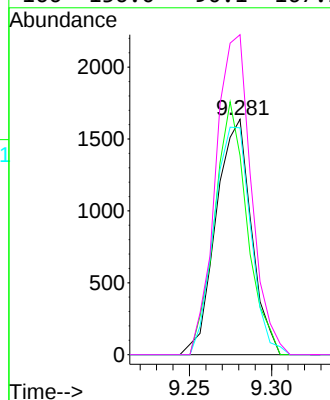
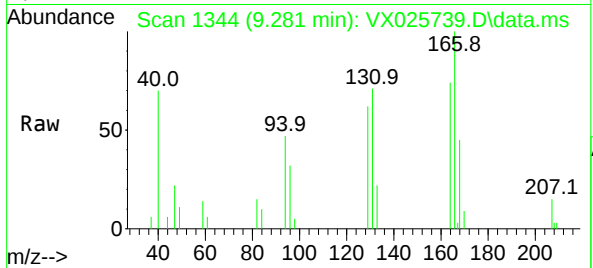


#46
Tetrachloroethene
Concen: 7.859 ug/L
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025739.D
Acq: 11 Dec 2021 13:38

Instrument :
MSVOA_X
ClientSampleId :
EW5Q2

Tgt Ion:164 Resp: 2444

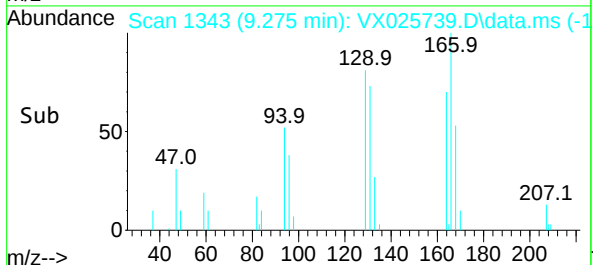
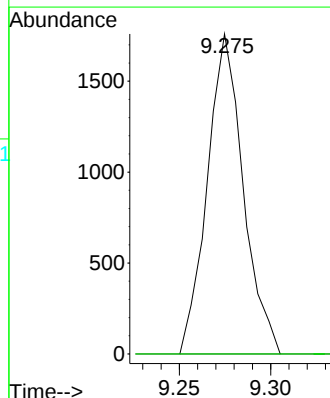
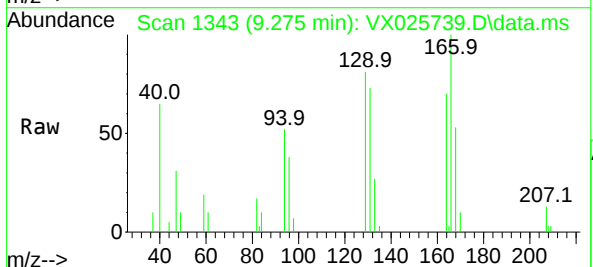
Ion	Ratio	Lower	Upper
164	100		
129	84.6	64.7	120.1
131	96.4	63.2	117.4
166	136.0	90.1	167.3

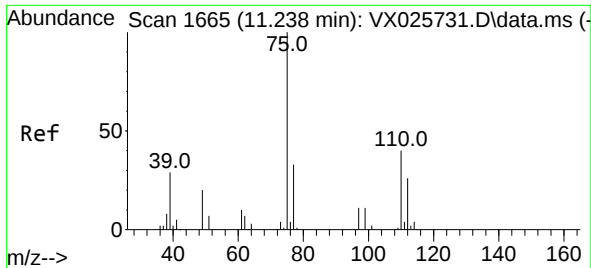


#49
Dibromochloromethane
Concen: 5.637 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX025739.D
Acq: 11 Dec 2021 13:38

Tgt Ion:129 Resp: 2411

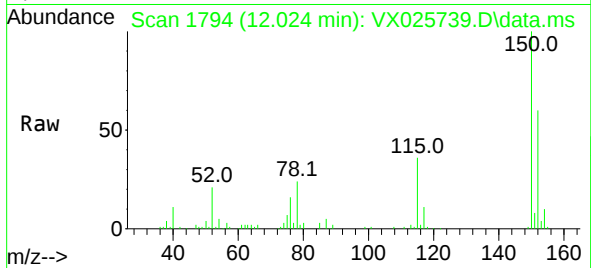
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.4	97.2#





#61
 1,2,3-Trichloropropane
 Concen: 7.512 ug/L
 RT: 12.024 min Scan# 11
 Delta R.T. 0.786 min
 Lab File: VX025739.D
 Acq: 11 Dec 2021 13:38

Instrument :
 MSVOA_X
 ClientSampleId :
 EW5Q2



Tgt Ion: 75 Resp: 2672
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.8 38.8
 110 0.0 34.7 52.1#

