

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080922\
 Data File : VX030531.D
 Acq On : 09 Aug 2022 16:46
 Operator : JC/MD
 Sample : N4114-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 F5D45

Quant Time: Aug 10 02:37:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXMLM080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 10 01:21:25 2022
 Response via : Initial Calibration

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

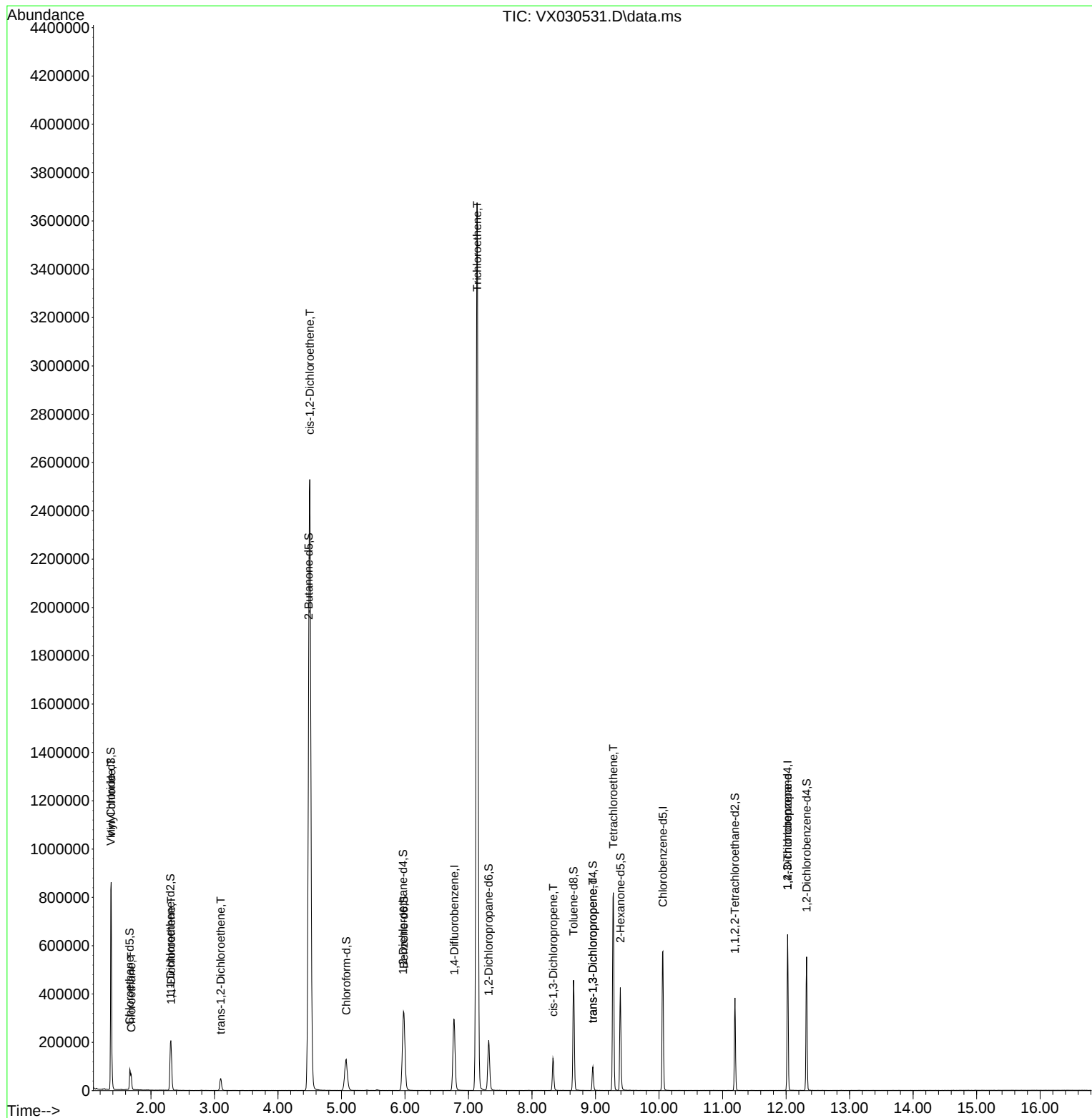
Internal Standards						
1) 1,4-Difluorobenzene	6.775	114	287747	50.000	ug/L	0.01
28) Chlorobenzene-d5	10.061	117	250219	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	121601	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	64026	34.649	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.300%
7) Chloroethane-d5	1.666	69	50581	38.829	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.660%
11) 1,1-Dichloroethene-d2	2.307	63	108998	31.183	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.360%
21) 2-Butanone-d5	4.483	46	171937	100.422	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.420%
24) Chloroform-d	5.074	84	152983	40.218	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.440%
26) 1,2-Dichloroethane-d4	5.970	65	111898	43.323	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.640%
32) Benzene-d6	5.983	84	298364	41.628	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.260%
36) 1,2-Dichloropropane-d6	7.318	67	101900	43.820	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.640%
41) Toluene-d8	8.653	98	262810	38.900	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.800%#
43) trans-1,3-Dichloroprop...	8.958	79	44545	38.505	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.020%
47) 2-Hexanone-d5	9.391	63	111937	94.436	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.440%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	140904	46.124	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.240%
66) 1,2-Dichlorobenzene-d4	12.323	152	99261	42.085	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.180%
Target Compounds						Qvalue
5) Vinyl chloride	1.374	62	521093	262.030	ug/L	97
8) Chloroethane	1.691	64	29947	26.437	ug/L	97
12) 1,1-Dichloroethene	2.319	96	26817	16.651	ug/L #	68
17) trans-1,2-Dichloroethene	3.099	96	19280	10.333	ug/L	90
20) cis-1,2-Dichloroethene	4.501	96	1456844	694.092	ug/L #	98
34) Trichloroethene	7.135	95	1404353	604.401	ug/L	88
39) cis-1,3-Dichloropropene	8.336	75	2904	0.913	ug/L #	69
44) trans-1,3-Dichloropropene	8.958	75	2146	0.689	ug/L #	65
46) Tetrachloroethene	9.281	164	143938	98.020	ug/L	98
61) 1,2,3-Trichloropropane	12.024	75	16423	6.289	ug/L #	68

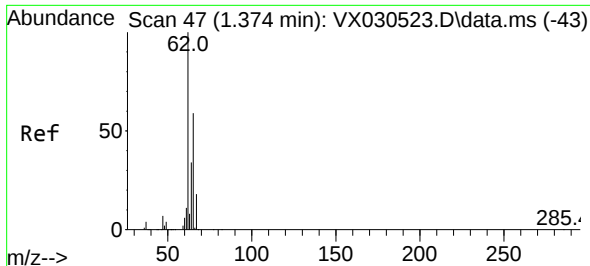
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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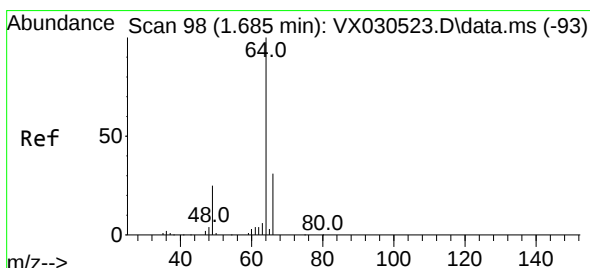
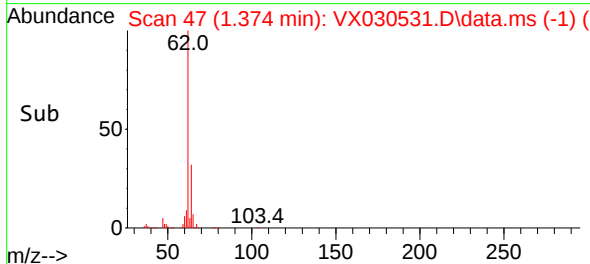
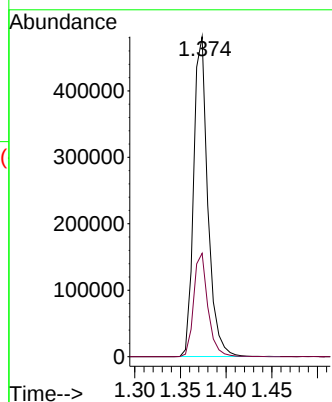
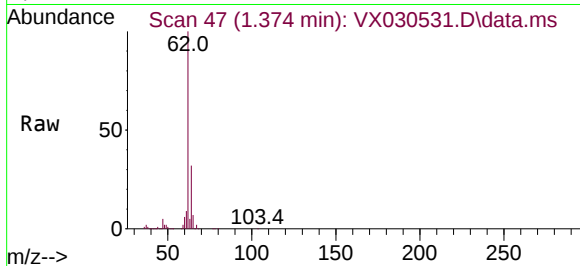




#5
 Vinyl chloride
 Concen: 262.030 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX030531.D
 Acq: 09 Aug 2022 16:46

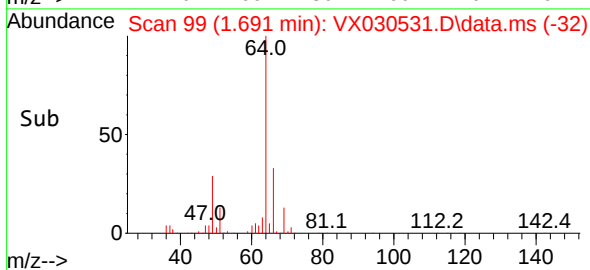
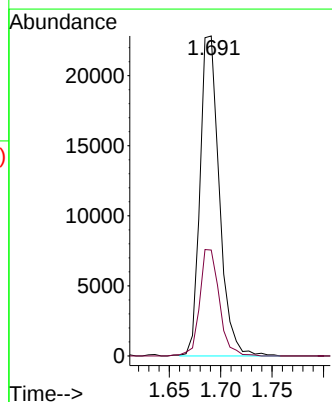
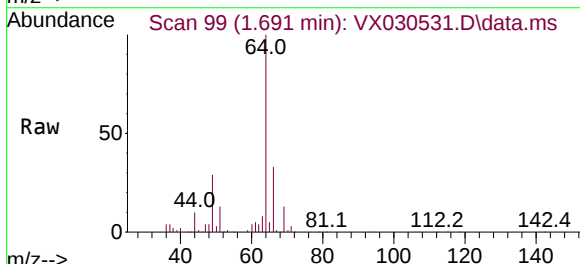
Instrument :
 MSVOA_X
 ClientSampleId :
 F5D45

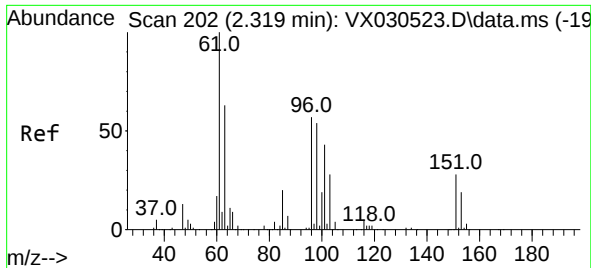
Tgt Ion: 62 Resp: 521093
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.8 44.2



#8
 Chloroethane
 Concen: 26.437 ug/L
 RT: 1.691 min Scan# 99
 Delta R.T. 0.006 min
 Lab File: VX030531.D
 Acq: 09 Aug 2022 16:46

Tgt Ion: 64 Resp: 29947
 Ion Ratio Lower Upper
 64 100
 66 33.1 22.1 41.1

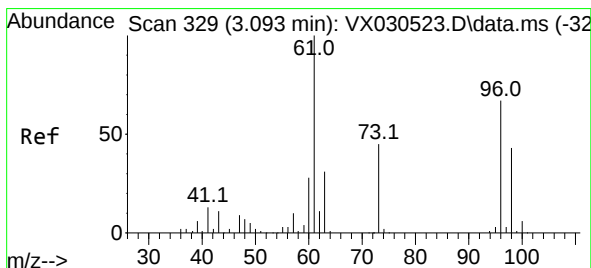
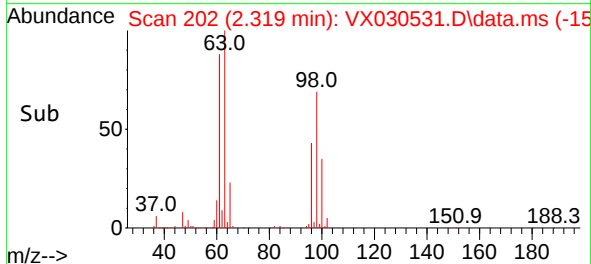
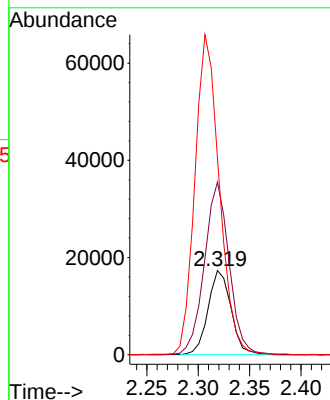
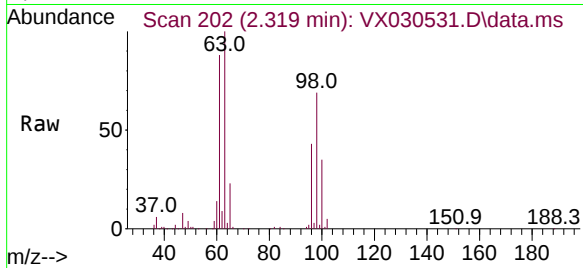




#12
1,1-Dichloroethene
Concen: 16.651 ug/L
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX030531.D
Acq: 09 Aug 2022 16:46

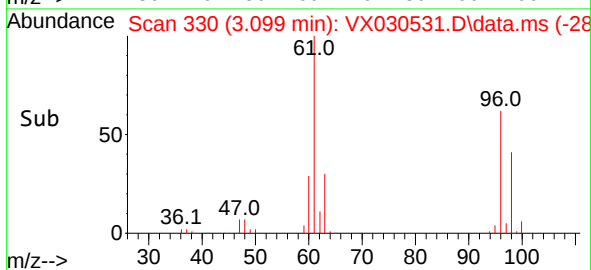
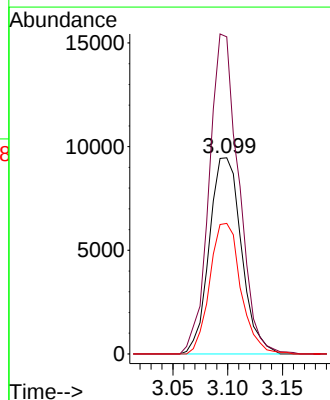
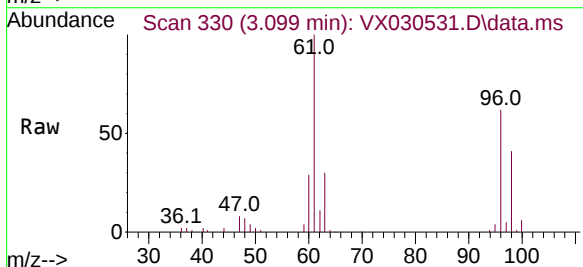
Instrument :
MSVOA_X
ClientSampleId :
F5D45

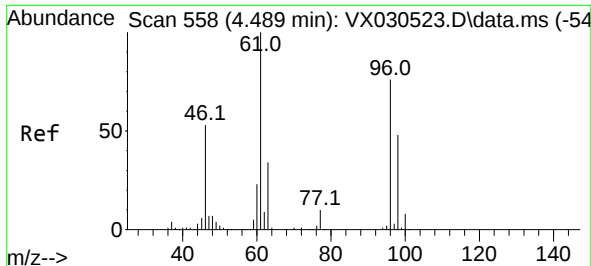
Tgt Ion: 96 Resp: 26817
Ion Ratio Lower Upper
96 100
61 205.1 130.2 241.8
63 233.2 113.5 210.9#



#17
trans-1,2-Dichloroethene
Concen: 10.333 ug/L
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX030531.D
Acq: 09 Aug 2022 16:46

Tgt Ion: 96 Resp: 19280
Ion Ratio Lower Upper
96 100
61 161.6 103.7 192.5
98 66.6 41.5 77.1



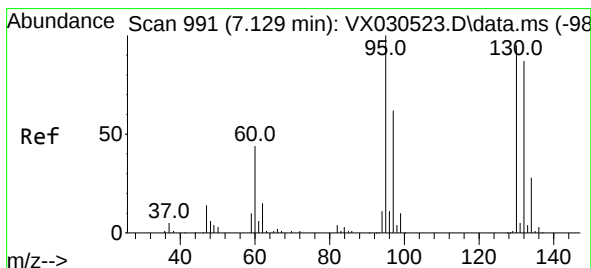
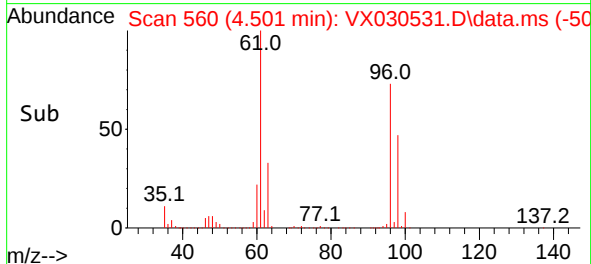
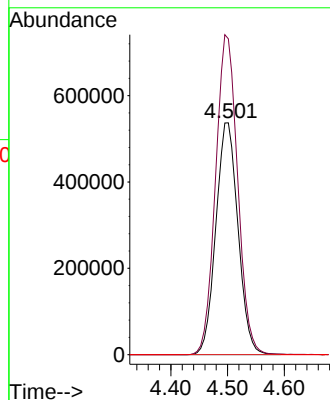
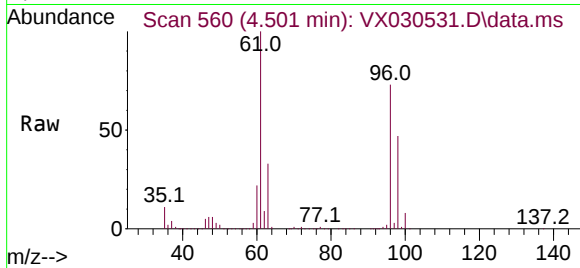


#20
 cis-1,2-Dichloroethene
 Concen: 694.092 ug/L
 RT: 4.501 min Scan# 50
 Delta R.T. 0.012 min
 Lab File: VX030531.D
 Acq: 09 Aug 2022 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 F5D45

Tgt Ion: 96 Resp: 1456844

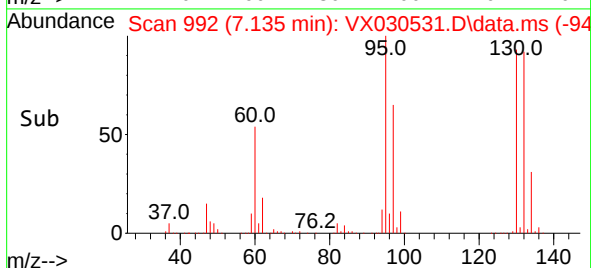
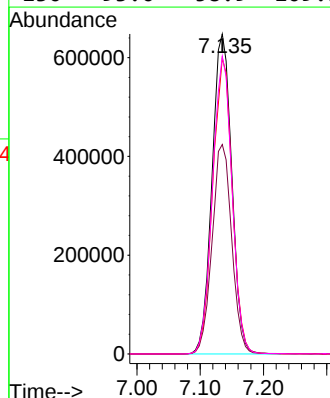
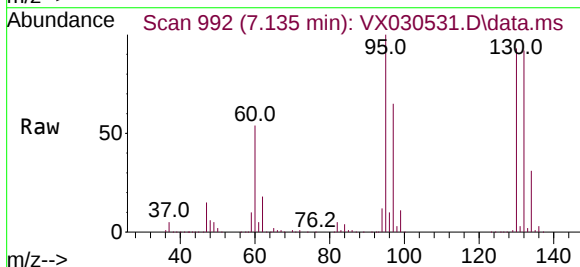
Ion	Ratio	Lower	Upper
96	100		
61	136.3	94.0	174.6
68	0.0	0.0	0.0

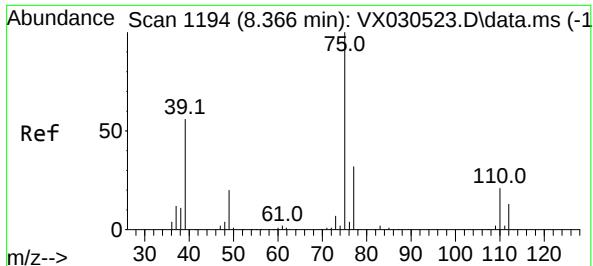


#34
 Trichloroethene
 Concen: 604.401 ug/L
 RT: 7.135 min Scan# 992
 Delta R.T. 0.006 min
 Lab File: VX030531.D
 Acq: 09 Aug 2022 16:46

Tgt Ion: 95 Resp: 1404353

Ion	Ratio	Lower	Upper
95	100		
97	65.4	40.2	74.6
132	92.4	55.3	102.7
130	93.0	58.9	109.5





#39

cis-1,3-Dichloropropene

Concen: 0.913 ug/L

RT: 8.336 min Scan# 1194

Delta R.T. -0.030 min

Lab File: VX030531.D

Acq: 09 Aug 2022 16:46

Instrument :

MSVOA_X

ClientSampleId :

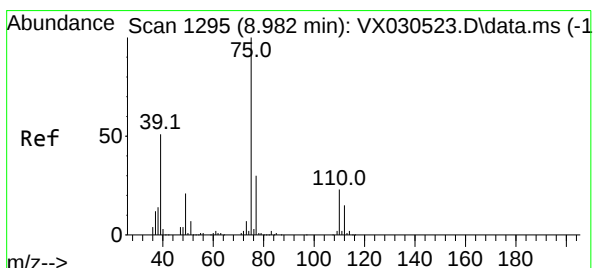
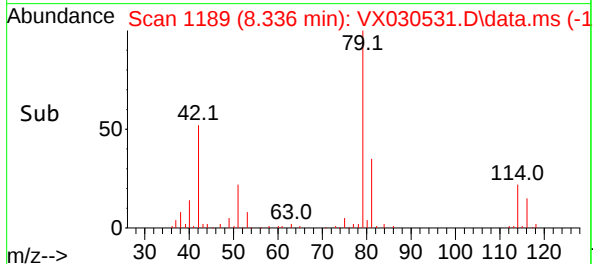
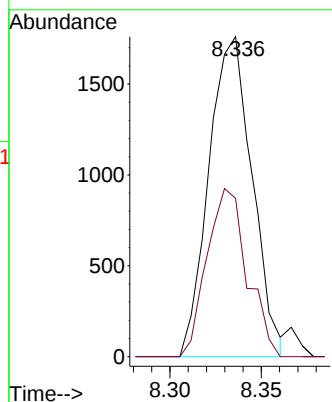
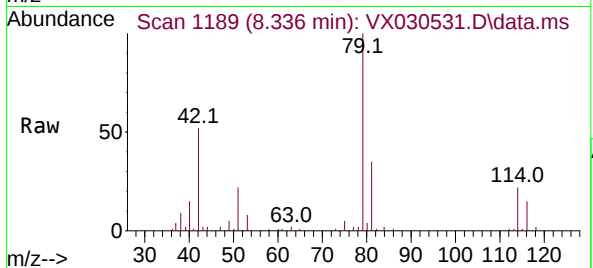
F5D45

Tgt Ion: 75 Resp: 2904

Ion Ratio Lower Upper

75 100

77 49.5 22.4 41.6#



#44

trans-1,3-Dichloropropene

Concen: 0.689 ug/L

RT: 8.958 min Scan# 1291

Delta R.T. -0.024 min

Lab File: VX030531.D

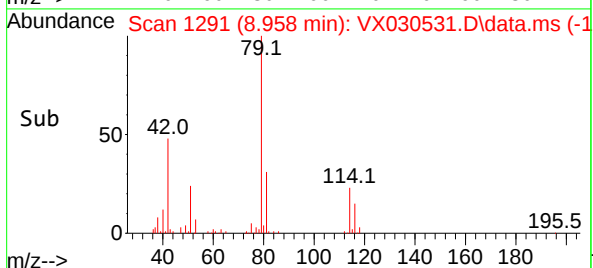
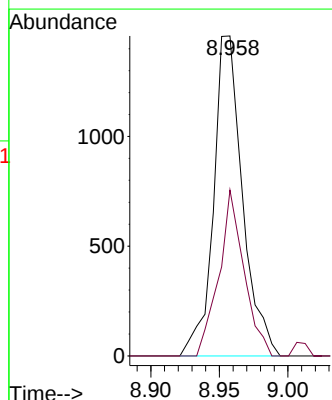
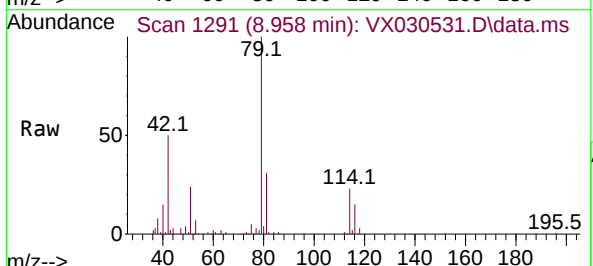
Acq: 09 Aug 2022 16:46

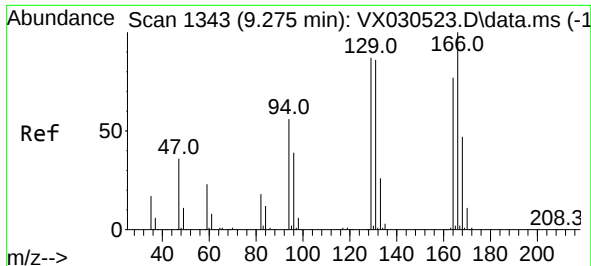
Tgt Ion: 75 Resp: 2146

Ion Ratio Lower Upper

75 100

77 51.9 22.5 41.7#

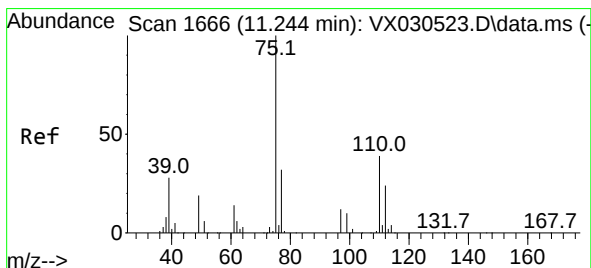
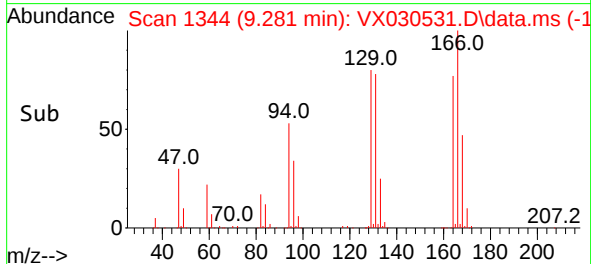
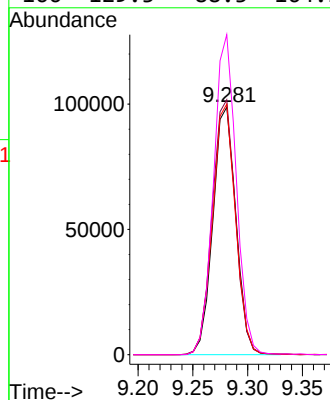
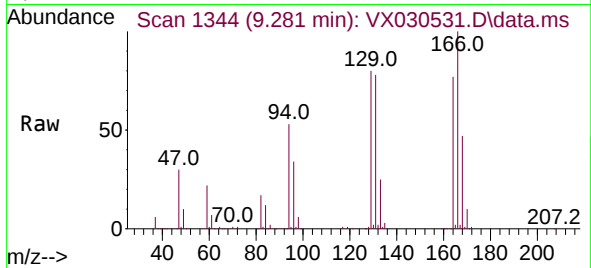




#46
Tetrachloroethene
Concen: 98.020 ug/L
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX030531.D
Acq: 09 Aug 2022 16:46

Instrument :
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ClientSampleId :
F5D45

Tgt Ion:164 Resp: 143938
Ion Ratio Lower Upper
164 100
129 103.0 72.7 135.1
131 101.2 69.9 129.9
166 129.3 88.3 164.1



#61
1,2,3-Trichloropropane
Concen: 6.289 ug/L
RT: 12.024 min Scan# 1794
Delta R.T. 0.780 min
Lab File: VX030531.D
Acq: 09 Aug 2022 16:46

Tgt Ion: 75 Resp: 16423
Ion Ratio Lower Upper
75 100
77 34.0 26.1 39.1
110 3.6 30.5 45.7#

