

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041723\
 Data File : VW030593.D
 Acq On : 17 Apr 2023 16:59
 Operator : SY/MD
 Sample : 02360-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 18 02:50:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

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

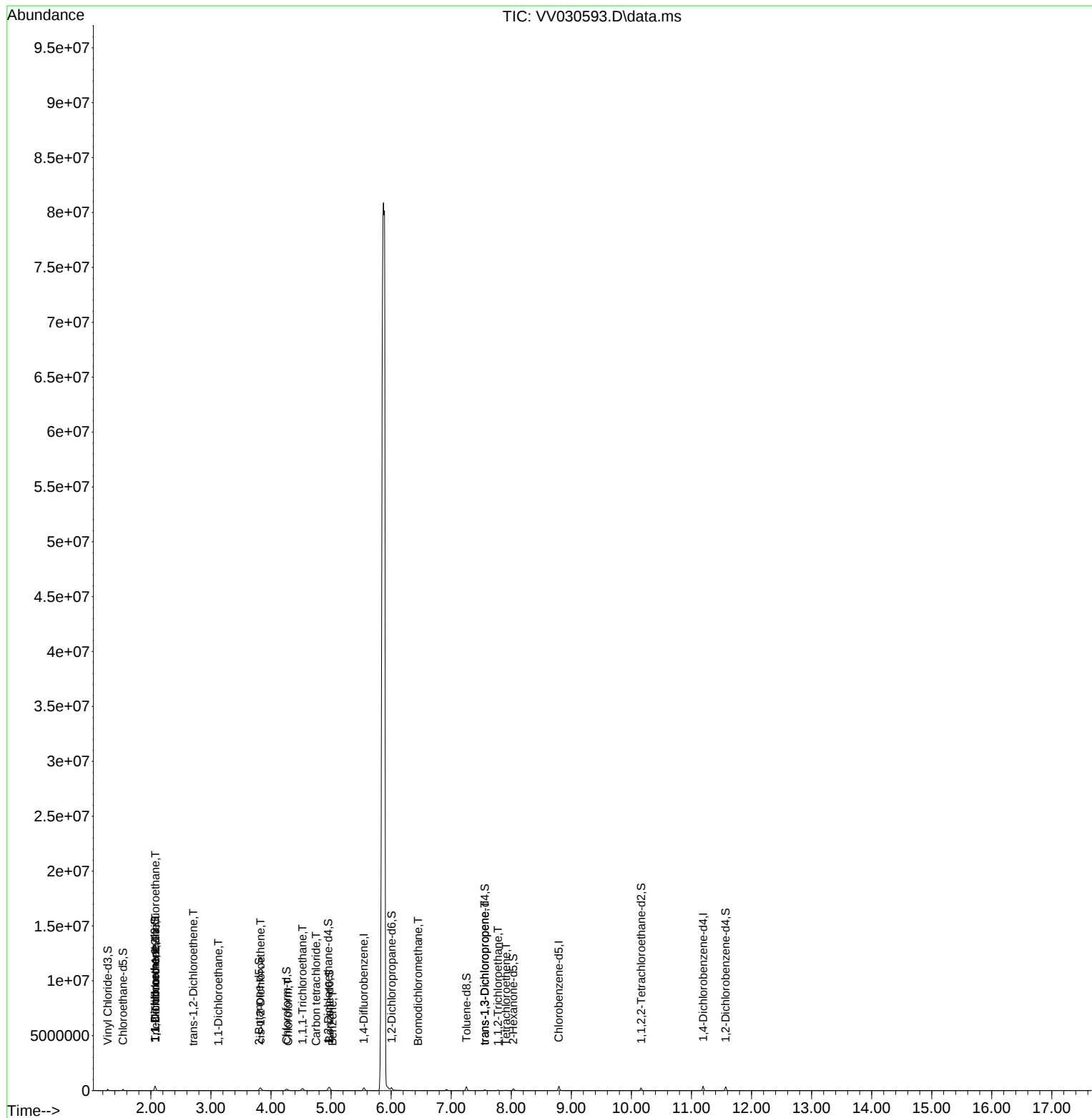
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	215467	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	206212	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	101240	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	80123	50.725	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.460%
7) Chloroethane-d5	1.535	69	65613	49.570	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.140%
11) 1,1-Dichloroethene-d2	2.066	65	37544	50.121	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.240%
21) 2-Butanone-d5	3.802	46	92208	106.282	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.280%
24) Chloroform-d	4.259	84	142714	49.856	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.720%
26) 1,2-Dichloroethane-d4	4.953	65	97213	52.823	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.640%
32) Benzene-d6	4.973	84	267296	54.825	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.660%
36) 1,2-Dichloropropane-d6	6.008	67	84603	55.864	ug/L	0.01
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.720%
41) Toluene-d8	7.252	98	230725	50.403	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.800%
43) trans-1,3-Dichloroprop...	7.561	79	38453	50.377	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.760%
47) 2-Hexanone-d5	8.034	63	58045	97.294	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.290%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	104551	47.577	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.160%
66) 1,2-Dichlorobenzene-d4	11.570	152	87774	54.546	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.100%
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.076	101	52404	16.504	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	53540	32.084	ug/L	99
12) 1,1-Dichloroethene	2.076	96	25885	17.157	ug/L #	31
17) trans-1,2-Dichloroethene	2.706	96	1434	0.942	ug/L	92
19) 1,1-Dichloroethane	3.124	63	4485	1.444	ug/L #	88
20) cis-1,2-Dichloroethene	3.825	96	121153	73.123	ug/L	98
25) Chloroform	4.288	83	11551	3.594	ug/L	93
30) 1,1,1-Trichloroethane	4.522	97	159751	55.132	ug/L	99
31) Carbon tetrachloride	4.751	117	8305	3.206	ug/L	97
33) Benzene	5.024	78	6704	1.071	ug/L	100
38) Bromodichloromethane	6.448	83	1800	0.760	ug/L #	94
44) trans-1,3-Dichloropropene	7.558	75	2342	0.942	ug/L #	81
45) 1,1,2-Trichloroethane	7.780	97	12301	7.278	ug/L	95
46) Tetrachloroethene	7.915	164	6693	4.694	ug/L	96

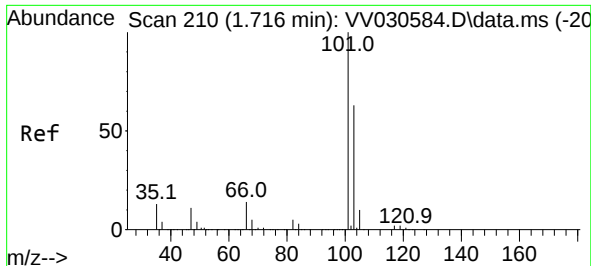
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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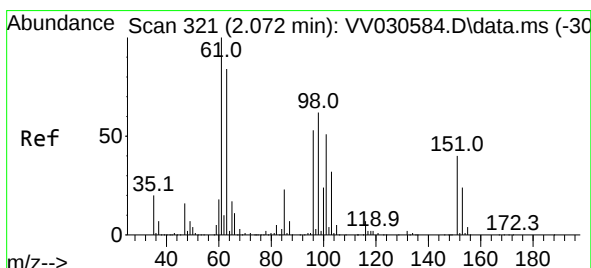
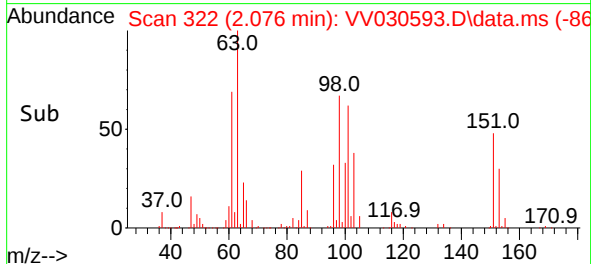
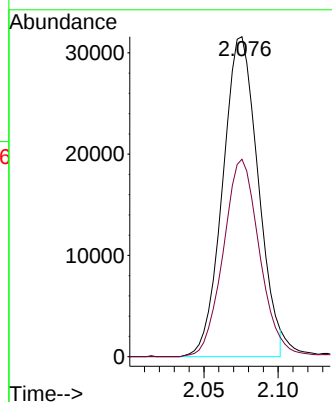
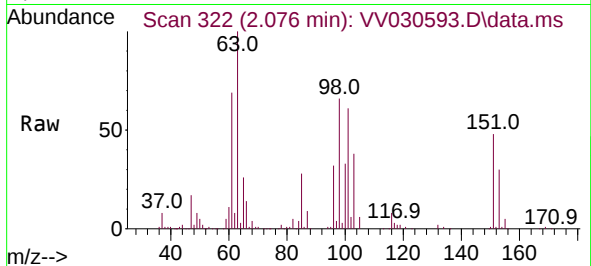




#9
Trichlorofluoromethane
Concen: 16.504 ug/L
RT: 2.076 min Scan# 311
Delta R.T. 0.360 min
Lab File: VV030593.D
Acq: 17 Apr 2023 16:59

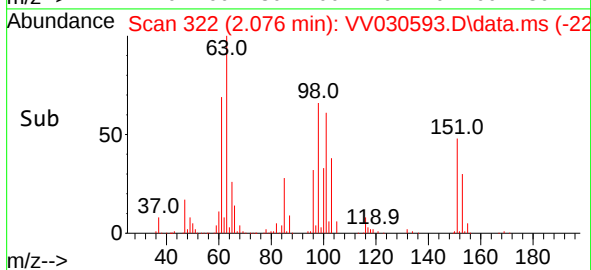
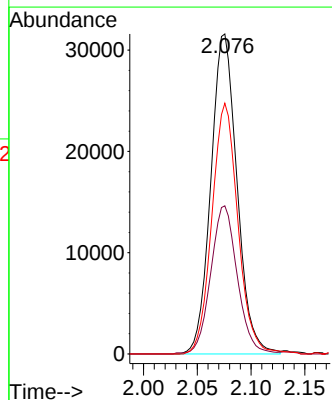
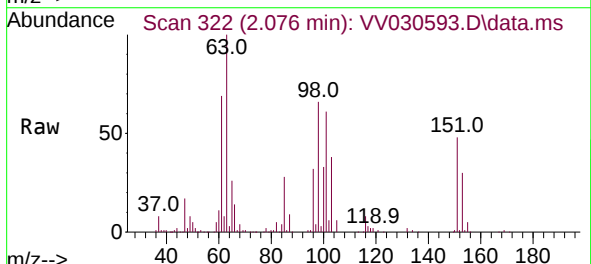
Instrument :
MSVOA_V
ClientSampleId :

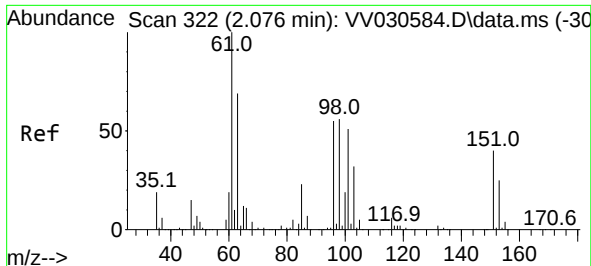
Tgt Ion:101 Resp: 52404
Ion Ratio Lower Upper
101 100
103 62.0 51.4 77.0



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 32.084 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.003 min
Lab File: VV030593.D
Acq: 17 Apr 2023 16:59

Tgt Ion:101 Resp: 53540
Ion Ratio Lower Upper
101 100
85 46.8 37.5 56.3
151 78.1 63.5 95.3





#12

1,1-Dichloroethene

Concen: 17.157 ug/L

RT: 2.076 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030593.D

Acq: 17 Apr 2023 16:59

Instrument :

MSVOA_V

ClientSampleId :

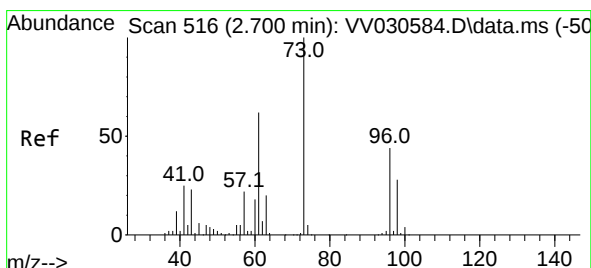
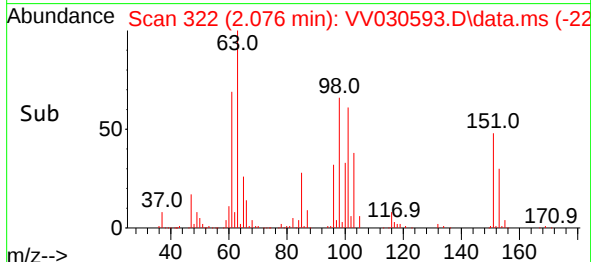
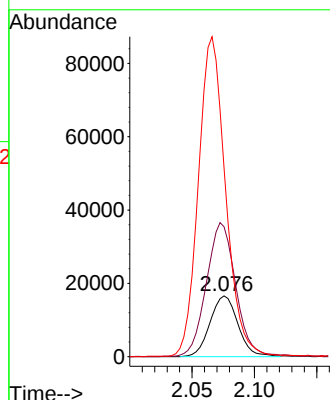
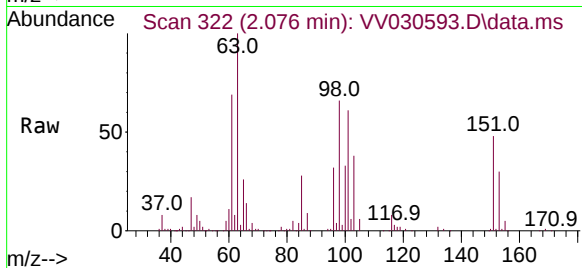
Tgt Ion: 96 Resp: 25885

Ion Ratio Lower Upper

96 100

61 213.7 131.9 245.0

63 310.6 99.8 185.3#



#17

trans-1,2-Dichloroethene

Concen: 0.942 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.006 min

Lab File: VV030593.D

Acq: 17 Apr 2023 16:59

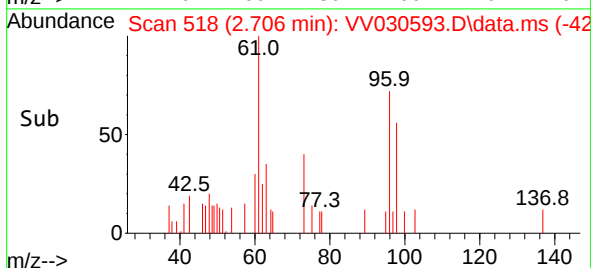
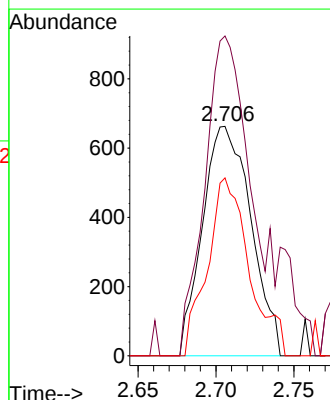
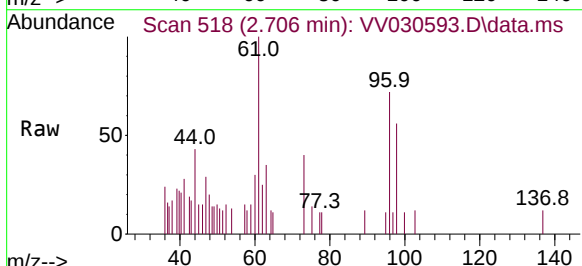
Tgt Ion: 96 Resp: 1434

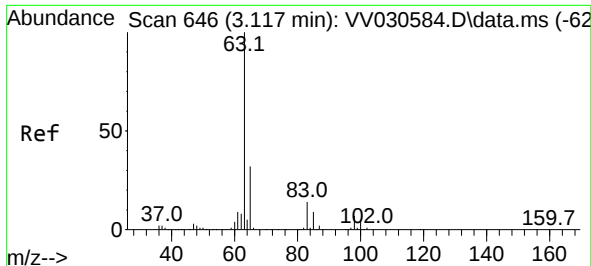
Ion Ratio Lower Upper

96 100

61 139.4 101.0 187.6

98 77.5 45.4 84.2





#19

1,1-Dichloroethane

Concen: 1.444 ug/L

RT: 3.124 min Scan# 64

Delta R.T. 0.006 min

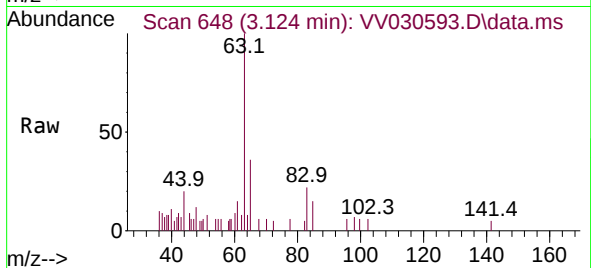
Lab File: VV030593.D

Acq: 17 Apr 2023 16:59

Instrument :

MSVOA_V

ClientSampleId :



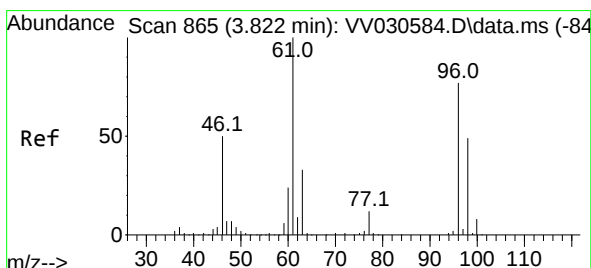
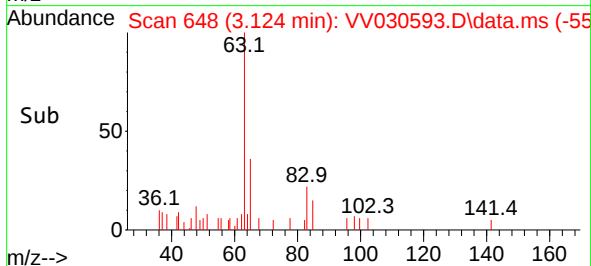
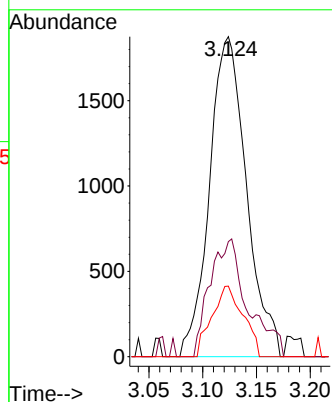
Tgt Ion: 63 Resp: 4485

Ion Ratio Lower Upper

63 100

65 35.9 21.8 40.6

83 22.1 10.2 19.0#



#20

cis-1,2-Dichloroethene

Concen: 73.123 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV030593.D

Acq: 17 Apr 2023 16:59

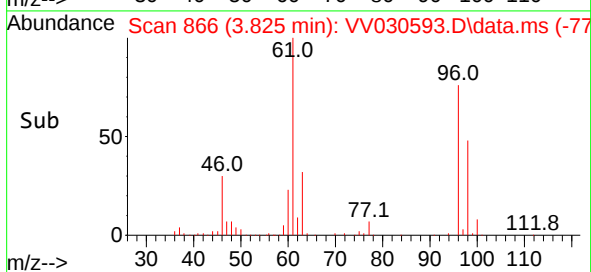
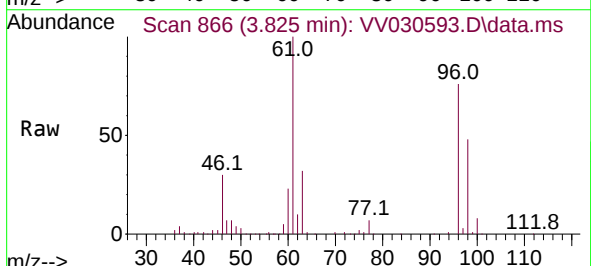
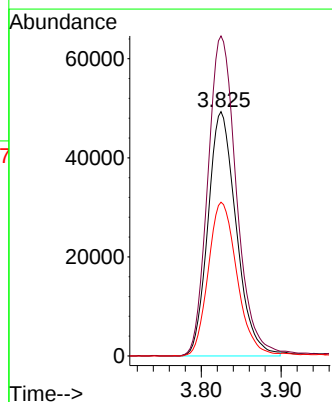
Tgt Ion: 96 Resp: 121153

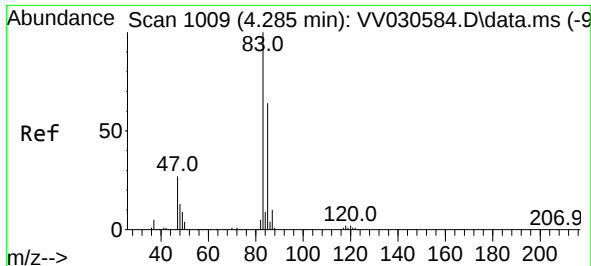
Ion Ratio Lower Upper

96 100

61 131.0 92.3 171.3

98 63.0 45.9 85.3

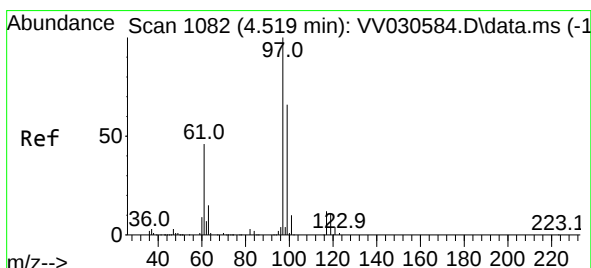
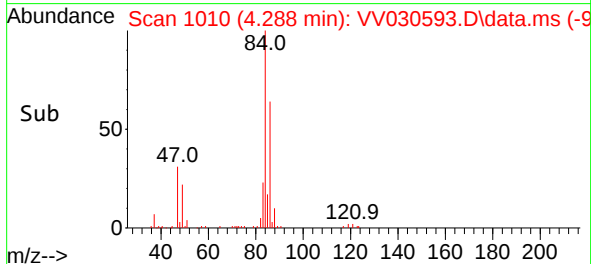
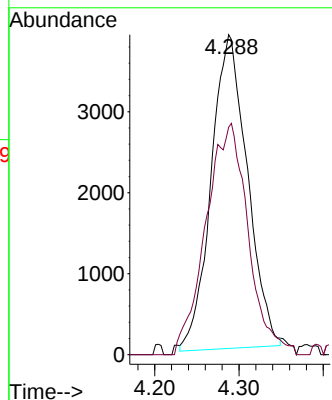
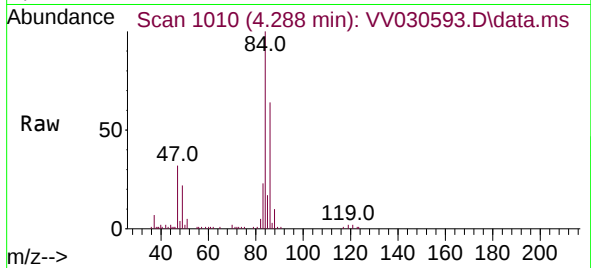




#25
Chloroform
Concen: 3.594 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VV030593.D
Acq: 17 Apr 2023 16:59

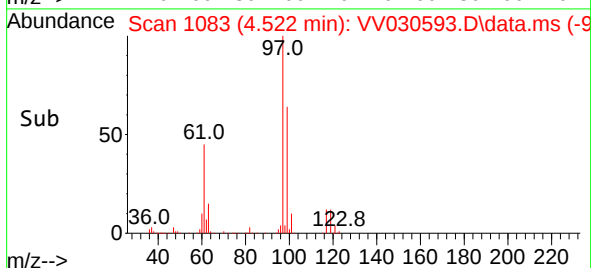
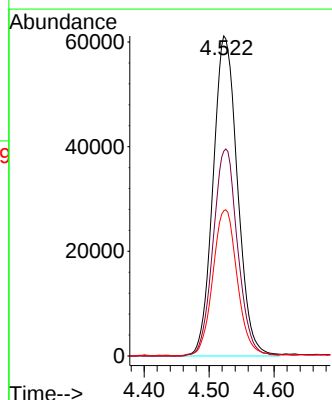
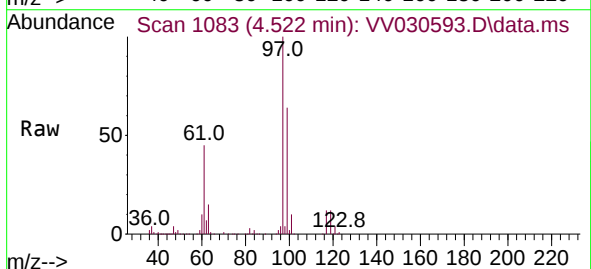
Instrument :
MSVOA_V
ClientSampleId :

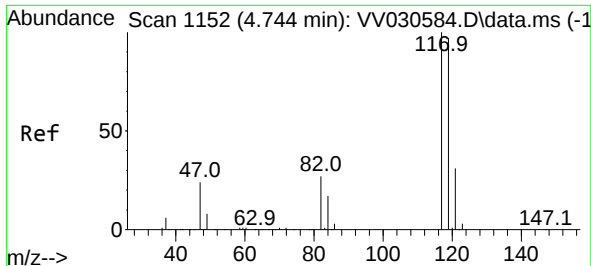
Tgt Ion: 83 Resp: 11551
Ion Ratio Lower Upper
83 100
85 71.1 45.8 85.2



#30
1,1,1-Trichloroethane
Concen: 55.132 ug/L
RT: 4.522 min Scan# 1083
Delta R.T. 0.003 min
Lab File: VV030593.D
Acq: 17 Apr 2023 16:59

Tgt Ion: 97 Resp: 159751
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.0
61 45.1 37.0 55.6

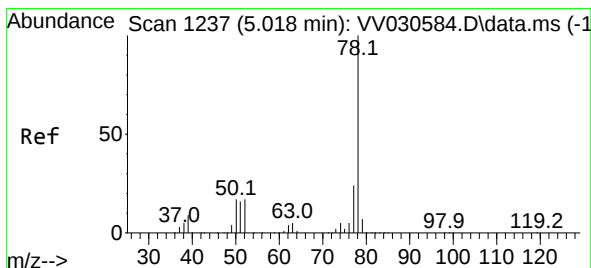
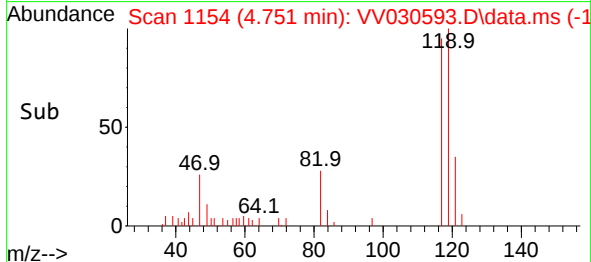
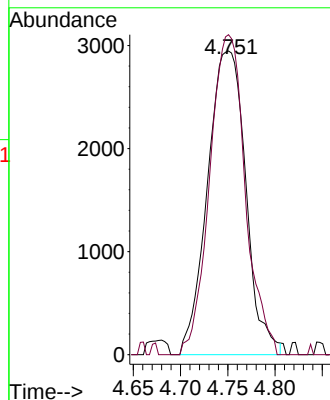
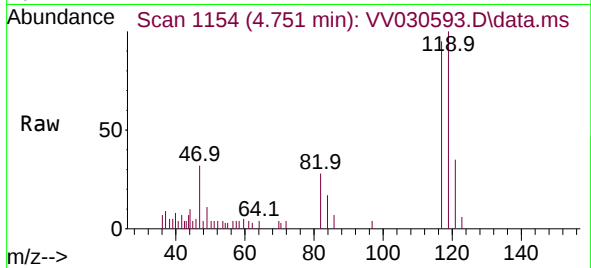




#31
Carbon tetrachloride
Concen: 3.206 ug/L
RT: 4.751 min Scan# 1154
Delta R.T. 0.006 min
Lab File: VV030593.D
Acq: 17 Apr 2023 16:59

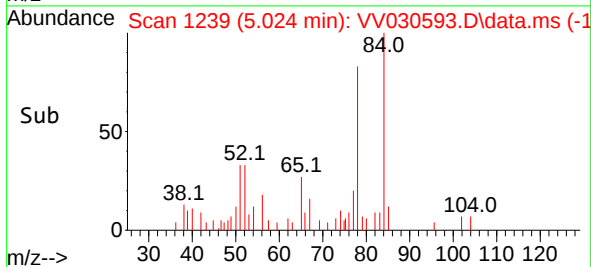
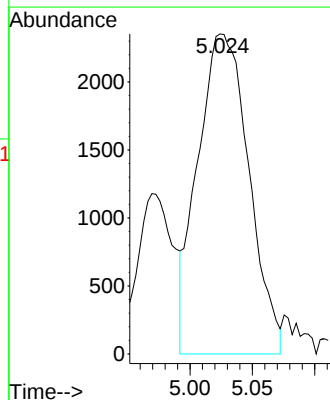
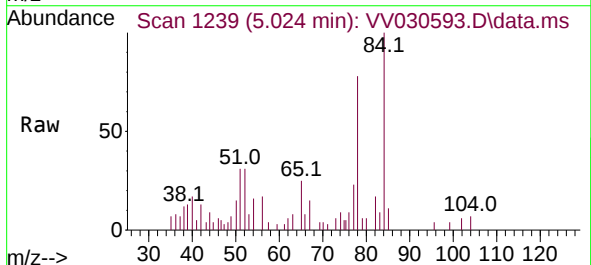
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ClientSampleId :

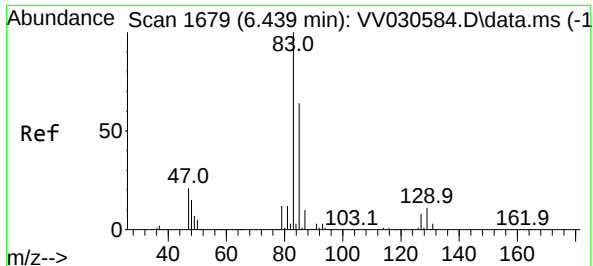
Tgt Ion:117 Resp: 8305
Ion Ratio Lower Upper
117 100
119 97.9 75.9 113.9



#33
Benzene
Concen: 1.071 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.006 min
Lab File: VV030593.D
Acq: 17 Apr 2023 16:59

Tgt Ion: 78 Resp: 6704





#38

Bromodichloromethane

Concen: 0.760 ug/L

RT: 6.448 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV030593.D

Acq: 17 Apr 2023 16:59

Instrument :

MSVOA_V

ClientSampleId :

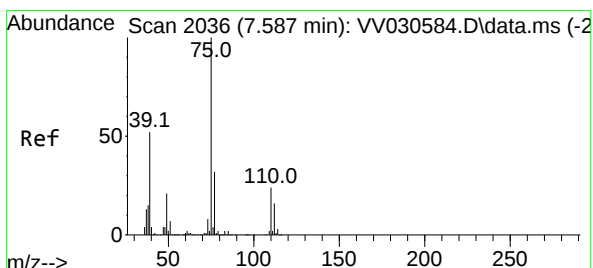
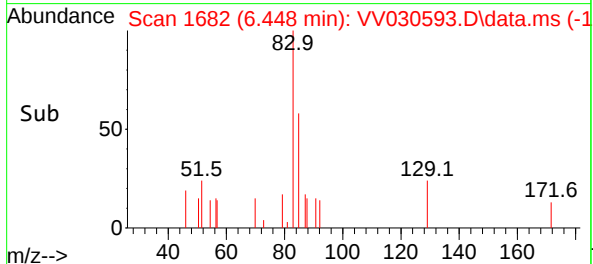
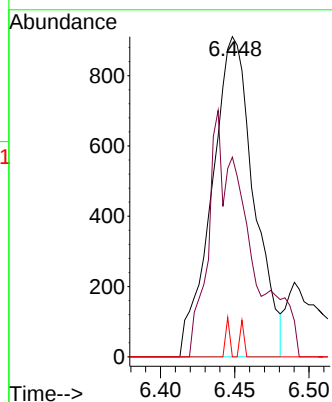
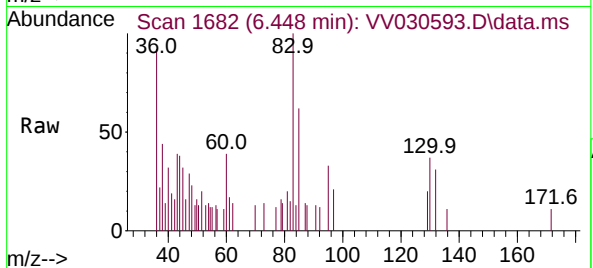
Tgt Ion: 83 Resp: 1800

Ion Ratio Lower Upper

83 100

85 62.3 45.4 84.4

127 0.0 7.0 10.4#



#44

trans-1,3-Dichloropropene

Concen: 0.942 ug/L

RT: 7.558 min Scan# 2027

Delta R.T. -0.029 min

Lab File: VV030593.D

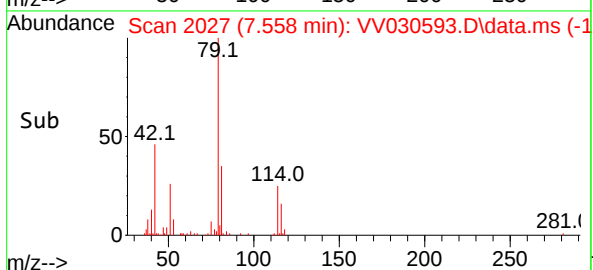
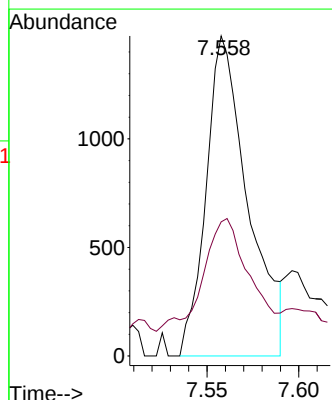
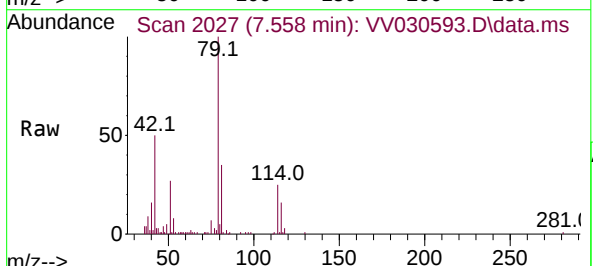
Acq: 17 Apr 2023 16:59

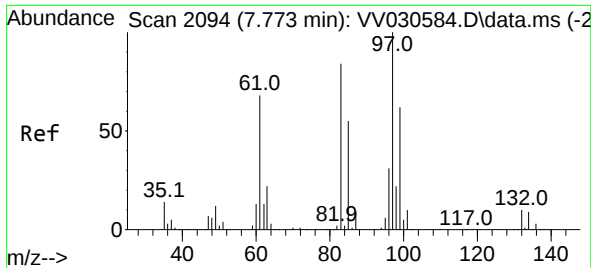
Tgt Ion: 75 Resp: 2342

Ion Ratio Lower Upper

75 100

77 41.9 22.1 41.1#

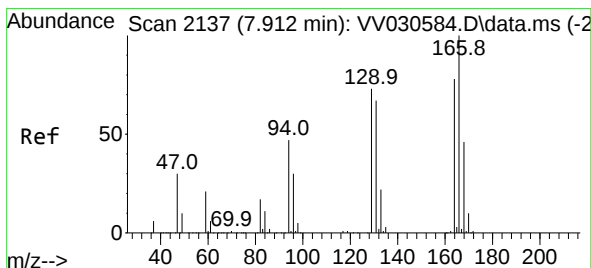
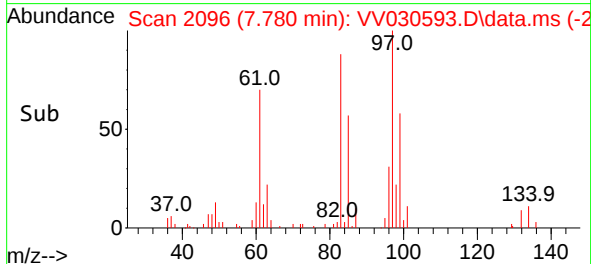
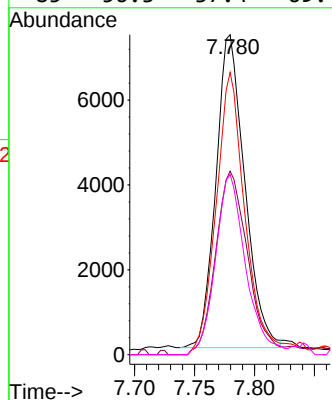
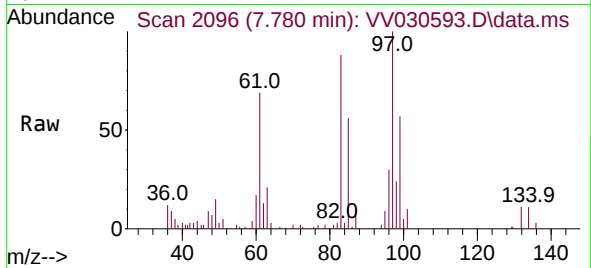




#45
1,1,2-Trichloroethane
Concen: 7.278 ug/L
RT: 7.780 min Scan# 2094
Delta R.T. 0.006 min
Lab File: VV030593.D
Acq: 17 Apr 2023 16:59

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97	Resp: 12301
Ion Ratio	Lower Upper
97 100	
99 57.3	43.8 81.4
83 88.2	59.6 110.6
85 56.3	37.4 69.4



#46
Tetrachloroethene
Concen: 4.694 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030593.D
Acq: 17 Apr 2023 16:59

Tgt	Ion:164	Resp:	6693
Ion	Ratio	Lower	Upper
164	100		
129	90.4	63.8	118.6
131	93.6	60.3	111.9
166	123.0	89.5	166.1

