

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090821\
 Data File : VV022122.D
 Acq On : 08 Sep 2021 12:22
 Operator : SY/MD
 Sample : M3651-16
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 09 08:28:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 09 08:27:48 2021
 Response via : Initial Calibration

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

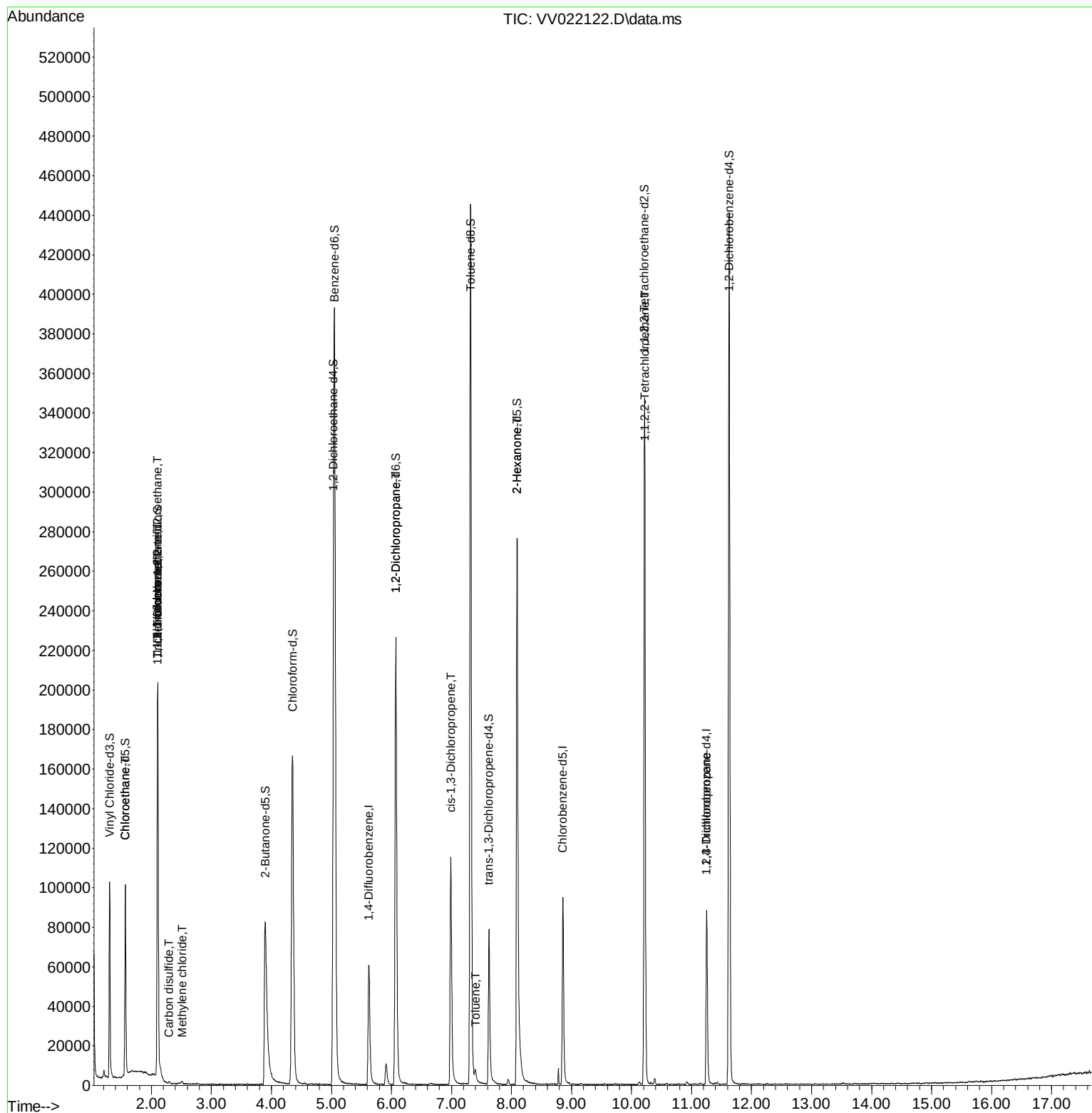
Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	56057	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	57180	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	24861	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	63943	164.715	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 329.440%#		
7) Chloroethane-d5	1.564	69	61719	203.587	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 407.180%#		
11) 1,1-Dichloroethene-d2	2.105	63	102226	159.226	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 318.460%#		
21) 2-Butanone-d5	3.896	46	158365	594.831	ug/L	0.02
Spiked Amount 100.000	Range 40	- 130	Recovery	= 594.830%#		
24) Chloroform-d	4.352	84	176089	248.767	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 497.540%#		
26) 1,2-Dichloroethane-d4	5.034	65	111150	266.588	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 533.180%#		
32) Benzene-d6	5.053	84	342337	220.732	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 441.460%#		
36) 1,2-Dichloropropane-d6	6.072	67	114109	233.954	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 467.900%#		
41) Toluene-d8	7.317	98	298090	203.610	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 407.220%#		
43) trans-1,3-Dichloroprop...	7.625	79	45229	194.830	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 389.660%#		
47) 2-Hexanone-d5	8.092	63	99214	530.144	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 530.140%#		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	165056	264.232	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 528.460%#		
66) 1,2-Dichlorobenzene-d4	11.628	152	118894	243.267	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 486.540%#		
Target Compounds						
					Qvalue	
8) Chloroethane	1.564	64	220	0.855	ug/L #	60
9) Trichlorofluoromethane	2.101	101	1099	1.877	ug/L #	26
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	1099	3.199	ug/L #	19
12) 1,1-Dichloroethene	2.108	96	892	2.759	ug/L #	1
14) Carbon disulfide	2.294	76	998	1.023	ug/L #	79
16) Methylene chloride	2.513	84	488	1.126	ug/L	89
37) 1,2-Dichloropropane	6.072	63	11994	27.813	ug/L #	86
39) cis-1,3-Dichloropropene	6.989	75	3436	5.161	ug/L #	82
42) Toluene	7.403	91	4134	2.302	ug/L	96
48) 2-Hexanone	8.092	43	11647	25.676	ug/L #	69
57) 1,1,2,2-Tetrachloroethane	10.223	83	744	1.170	ug/L #	1
61) 1,2,3-Trichloropropane	11.249	75	2957	6.863	ug/L #	61

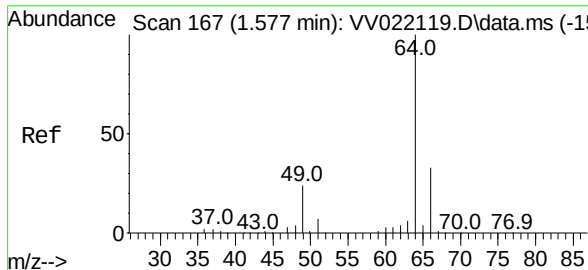
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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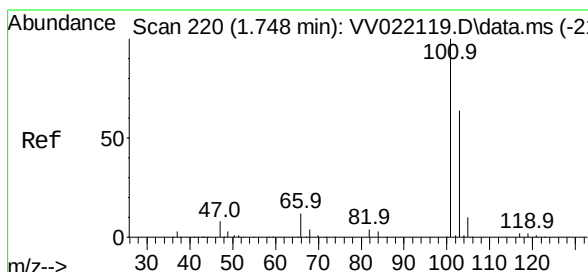
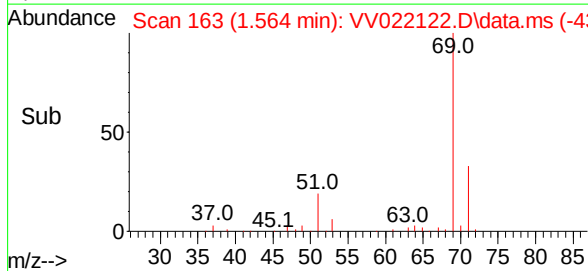
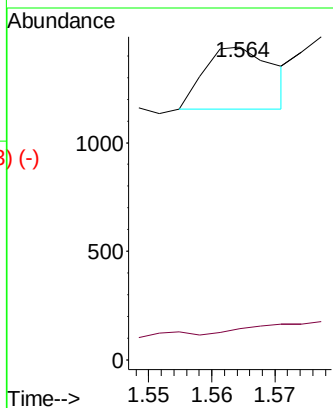
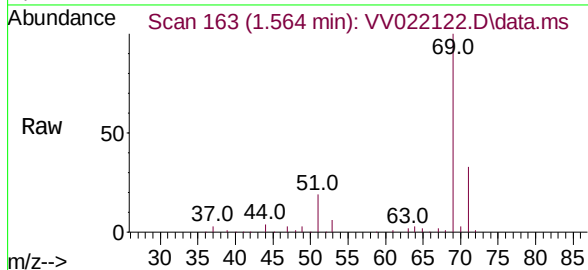




Chloroethane
 Concen: 0.855 ug/L
 RT: 1.564 min Scan# 163
 Delta R.T. -0.013 min
 Lab File: VV022122.D
 Acq: 08 Sep 2021 12:22

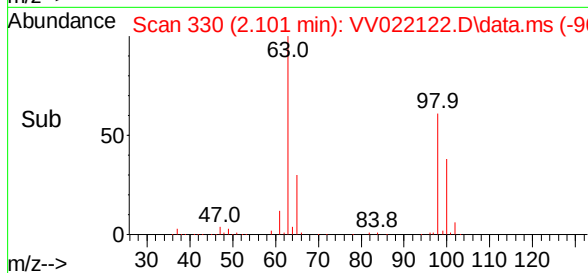
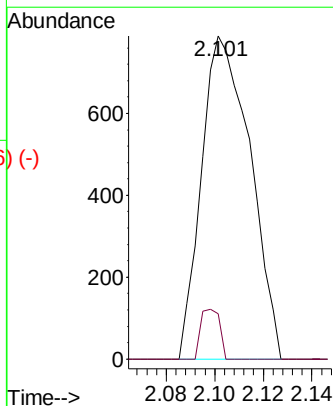
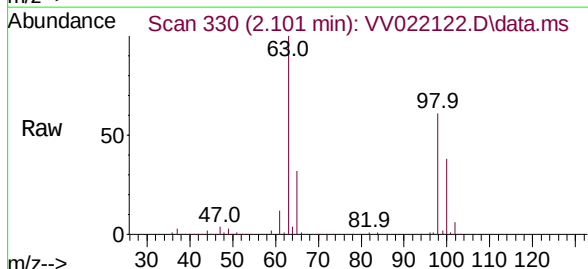
Instrument :
 MSVOA_V
 ClientSampled :

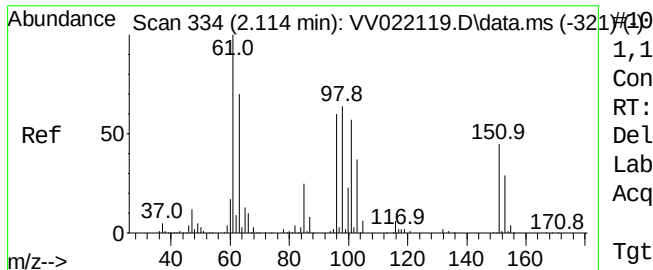
Tgt Ion: 64 Resp: 220
 Ion Ratio Lower Upper
 64 100
 66 10.1 22.7 42.3#



Trichlorofluoromethane
 Concen: 1.877 ug/L
 RT: 2.101 min Scan# 330
 Delta R.T. 0.354 min
 Lab File: VV022122.D
 Acq: 08 Sep 2021 12:22

Tgt Ion:101 Resp: 1099
 Ion Ratio Lower Upper
 101 100
 103 6.1 51.4 77.0#

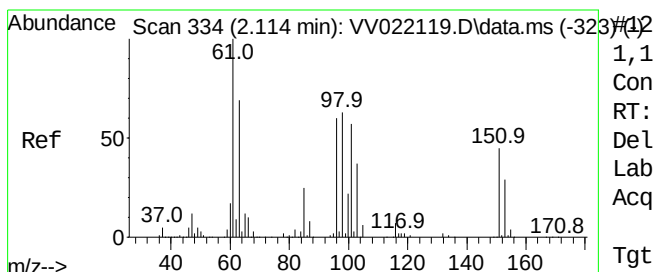
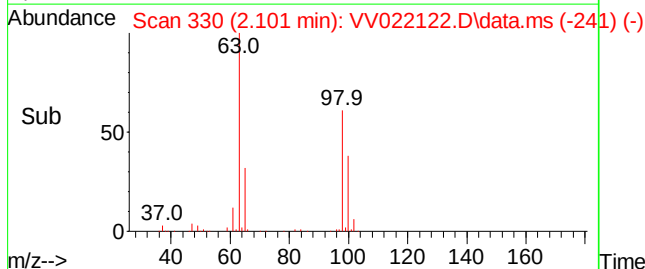
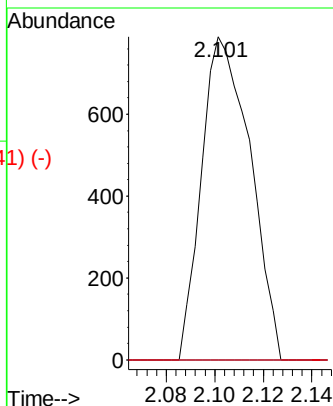
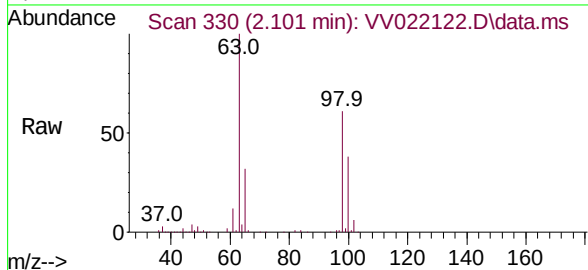




1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.199 ug/L
 RT: 2.101 min Scan# 330
 Delta R.T. -0.013 min
 Lab File: VV022122.D
 Acq: 08 Sep 2021 12:22

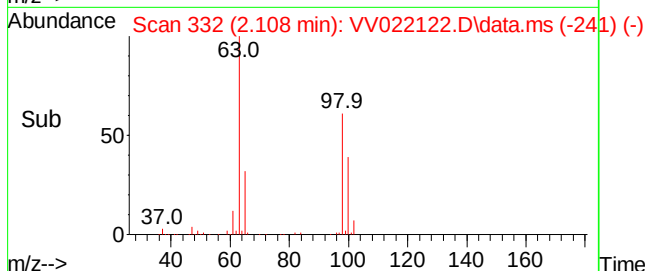
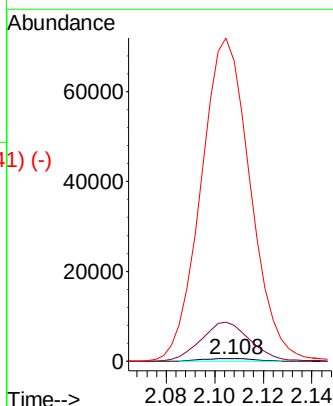
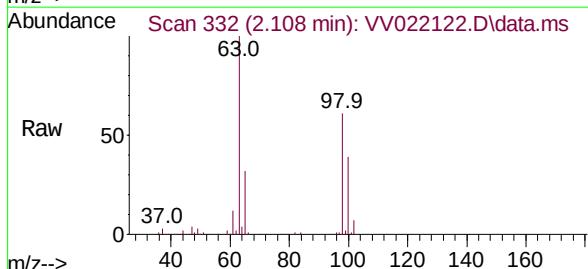
Instrument :
 MSVOA_V
 ClientSampled :

Tgt Ion:	101	Resp:	1099
Ion	Ratio	Lower	Upper
101	100		
85	0.0	33.4	50.0#
151	0.0	61.7	92.5#

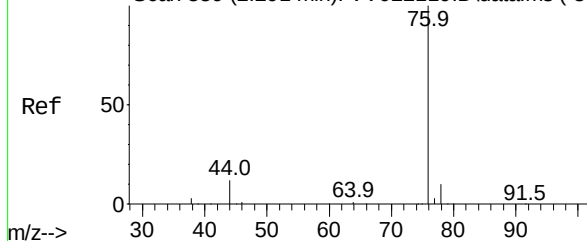


1,1-Dichloroethene
 Concen: 2.759 ug/L
 RT: 2.108 min Scan# 332
 Delta R.T. -0.006 min
 Lab File: VV022122.D
 Acq: 08 Sep 2021 12:22

Tgt Ion:	96	Resp:	892
Ion	Ratio	Lower	Upper
96	100		
61	1369.5	113.2	210.2#
63	11505.7	102.3	189.9#



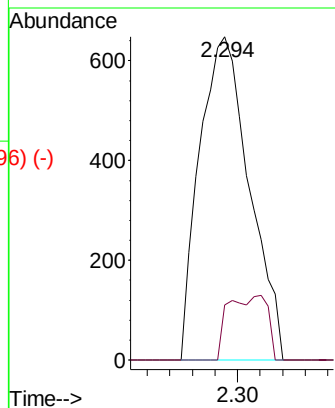
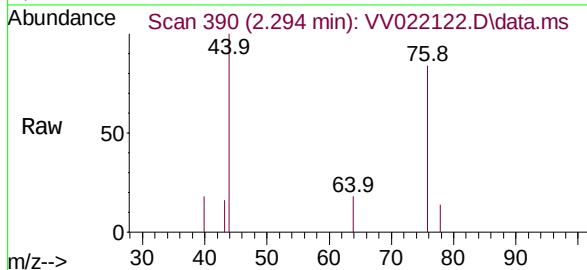
Abundance Scan 389 (2.291 min): VV022119.D\data.ms (-377) #14



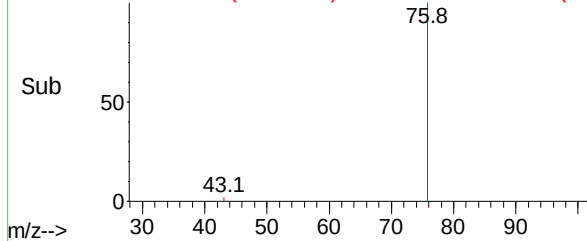
Carbon disulfide
Concen: 1.023 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.003 min
Lab File: VV022122.D
Acq: 08 Sep 2021 12:22

Instrument :
MSVOA_V
ClientSampled :

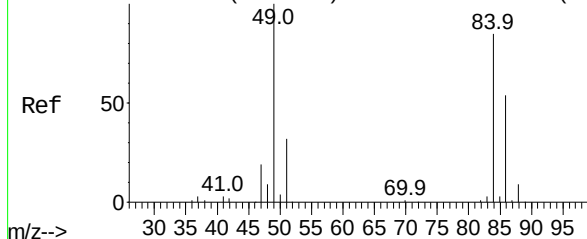
Tgt Ion: 76 Resp: 998
Ion Ratio Lower Upper
76 100
78 17.0 7.4 11.2#



Abundance Scan 390 (2.294 min): VV022122.D\data.ms (-296) (-)

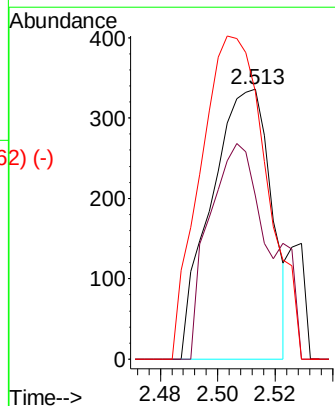
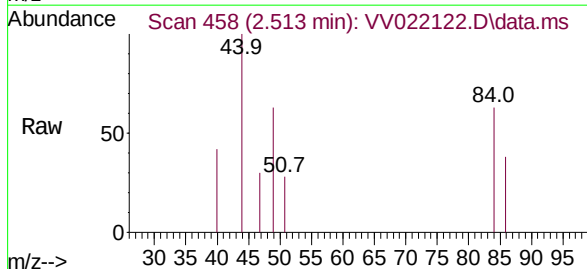


Abundance Scan 455 (2.503 min): VV022119.D\data.ms (-443) #16

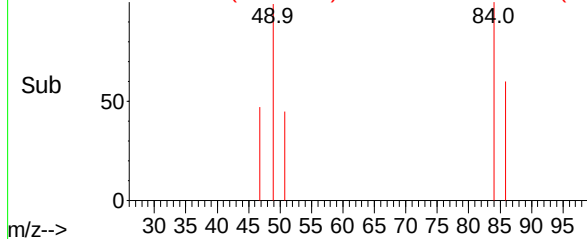


Methylene chloride
Concen: 1.126 ug/L
RT: 2.513 min Scan# 458
Delta R.T. 0.010 min
Lab File: VV022122.D
Acq: 08 Sep 2021 12:22

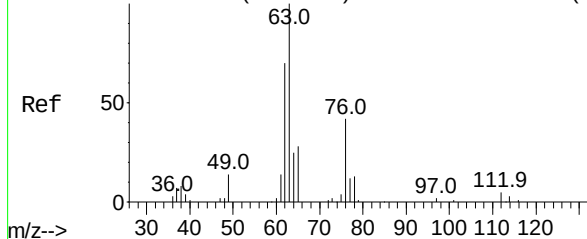
Tgt Ion: 84 Resp: 488
Ion Ratio Lower Upper
84 100
86 60.4 44.8 83.2
49 99.1 80.2 149.0



Abundance Scan 458 (2.513 min): VV022122.D\data.ms (-362) (-)



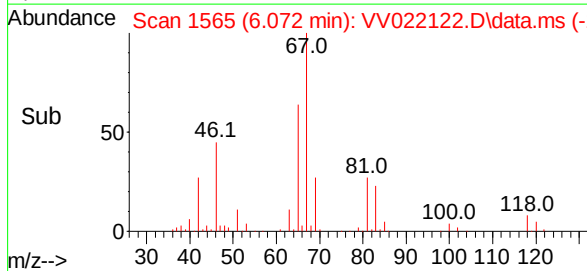
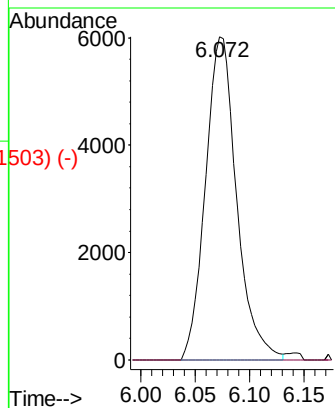
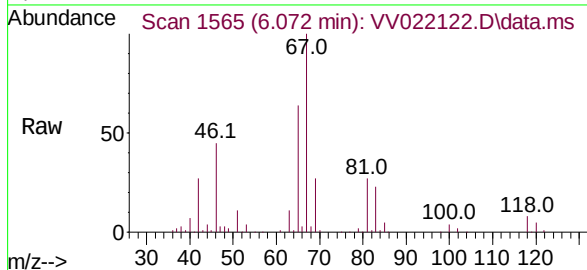
Abundance Scan 1596 (6.172 min): VV022119.D\data.ms (-1503) (-)



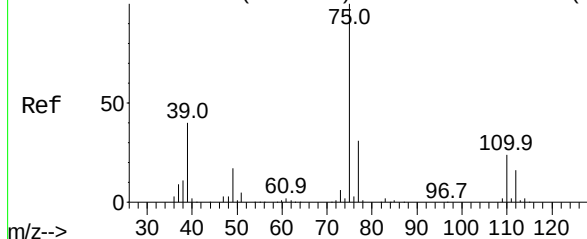
1,2-Dichloropropane
Concen: 27.813 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.100 min
Lab File: VV022122.D
Acq: 08 Sep 2021 12:22

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 63 Resp: 11994
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#

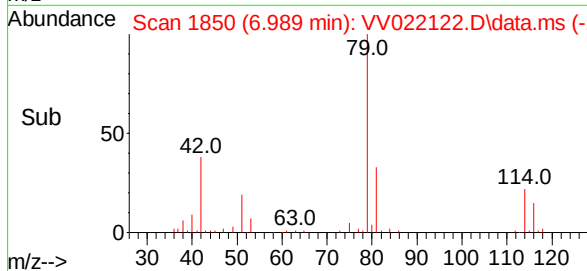
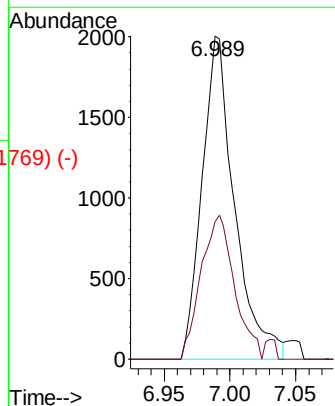
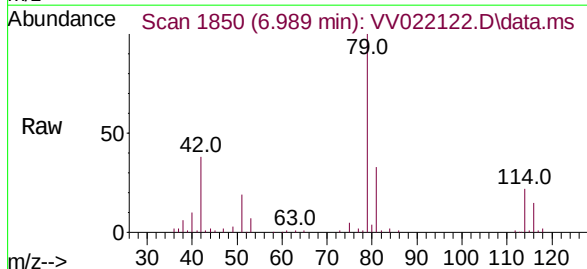


Abundance Scan 1862 (7.027 min): VV022119.D\data.ms (-1849) (-)

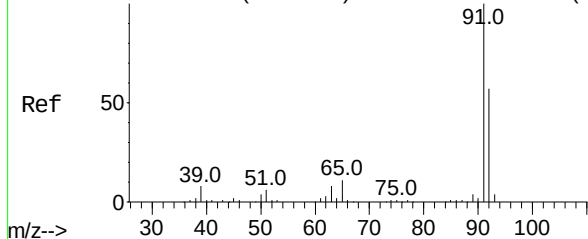


cis-1,3-Dichloropropene
Concen: 5.161 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.039 min
Lab File: VV022122.D
Acq: 08 Sep 2021 12:22

Tgt Ion: 75 Resp: 3436
Ion Ratio Lower Upper
75 100
77 42.6 22.7 42.1#



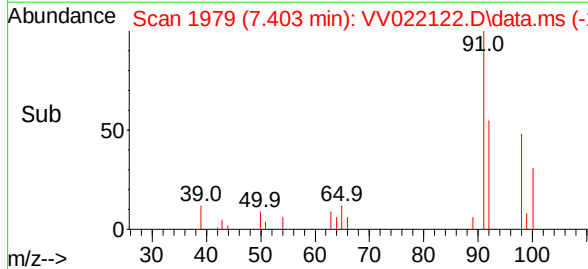
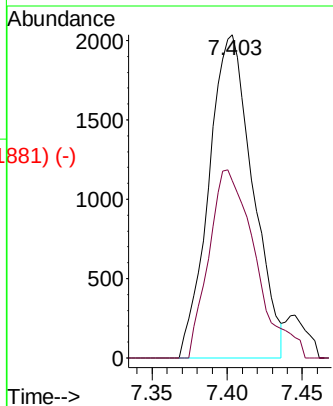
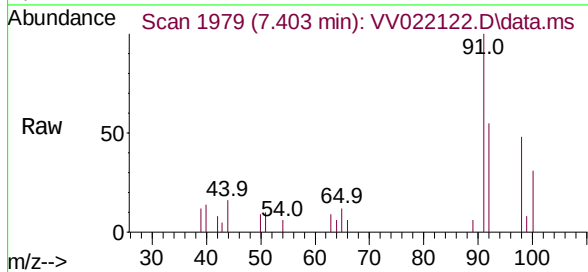
Abundance Scan 1974 (7.387 min): VV022119.D\data.ms (-19642-)



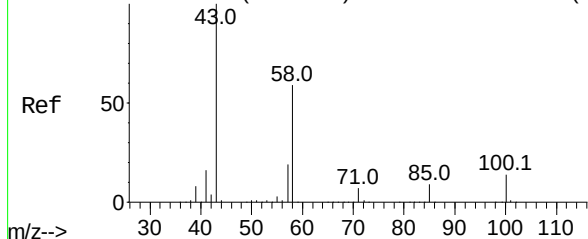
Toluene
Concen: 2.302 ug/L
RT: 7.403 min Scan# 1979
Delta R.T. 0.016 min
Lab File: VV022122.D
Acq: 08 Sep 2021 12:22

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 91 Resp: 4134
Ion Ratio Lower Upper
91 100
92 54.8 40.3 74.8

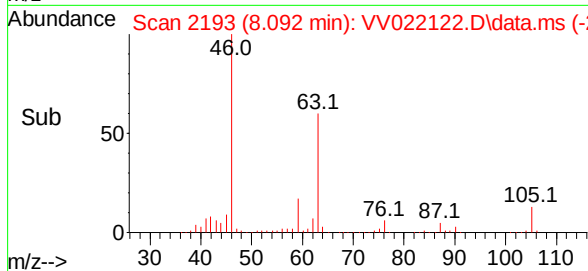
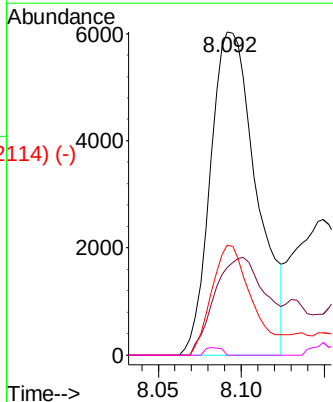
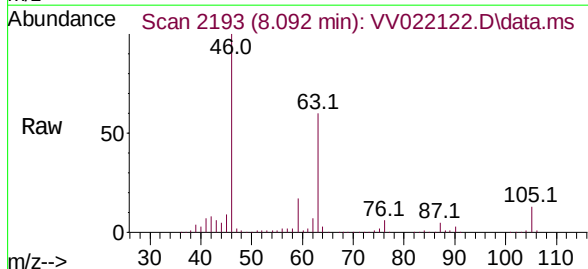


Abundance Scan 2207 (8.137 min): VV022119.D\data.ms (-21974-)

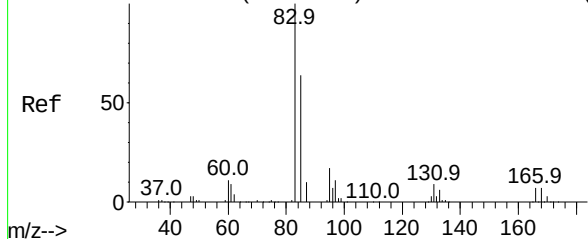


2-Hexanone
Concen: 25.676 ug/L
RT: 8.092 min Scan# 2193
Delta R.T. -0.045 min
Lab File: VV022122.D
Acq: 08 Sep 2021 12:22

Tgt Ion: 43 Resp: 11647
Ion Ratio Lower Upper
43 100
58 34.1 47.5 71.3#
57 30.2 15.9 23.9#
100 0.8 11.4 17.2#



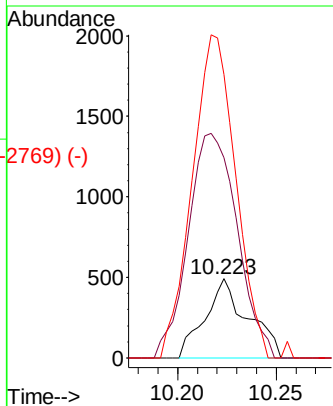
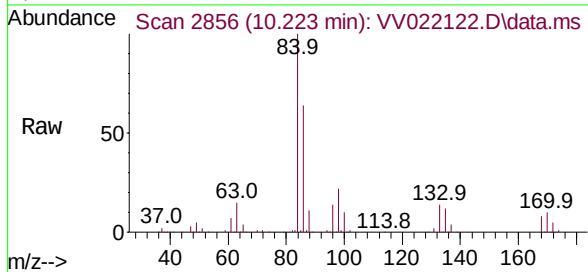
Abundance Scan 2862 (10.243 min): VV022119.D\data.ms (-2862) (-)



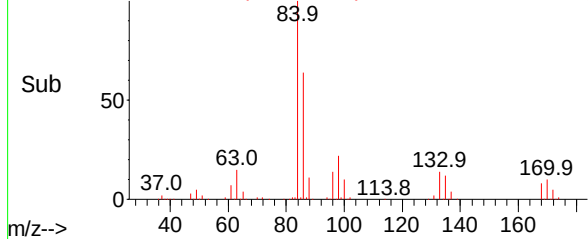
1,1,2,2-Tetrachloroethane
Concen: 1.170 ug/L
RT: 10.223 min Scan# 2856
Delta R.T. -0.019 min
Lab File: VV022122.D
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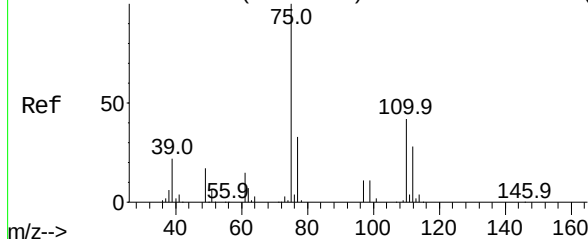
Tgt Ion:	83	Resp:	744
Ion	Ratio	Lower	Upper
83	100		
85	251.6	44.7	83.1#
131	356.5	8.2	12.2#



Abundance Scan 2856 (10.223 min): VV022122.D\data.ms (-2769) (-)

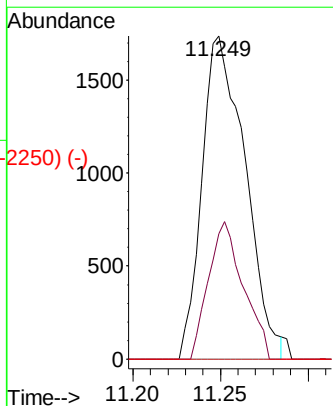
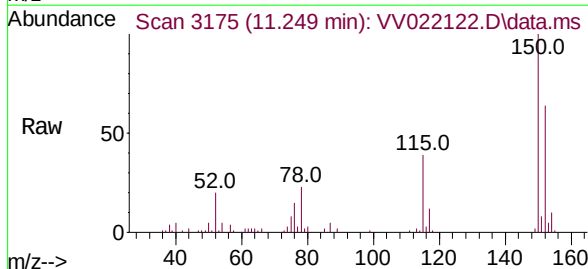


Abundance Scan 2872 (10.275 min): VV022119.D\data.ms (-2872) (-)



1,2,3-Trichloropropane
Concen: 6.863 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV022122.D
Acq: 08 Sep 2021 12:22

Tgt Ion:	75	Resp:	2957
Ion	Ratio	Lower	Upper
75	100		
77	34.5	26.2	39.2
110	0.0	33.8	50.6#



Abundance Scan 3175 (11.249 min): VV022122.D\data.ms (-2250) (-)

