

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040821\
 Data File : VV020972.D
 Acq On : 08 Apr 2021 15:11
 Operator : SY/MD
 Sample : M1881-16MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

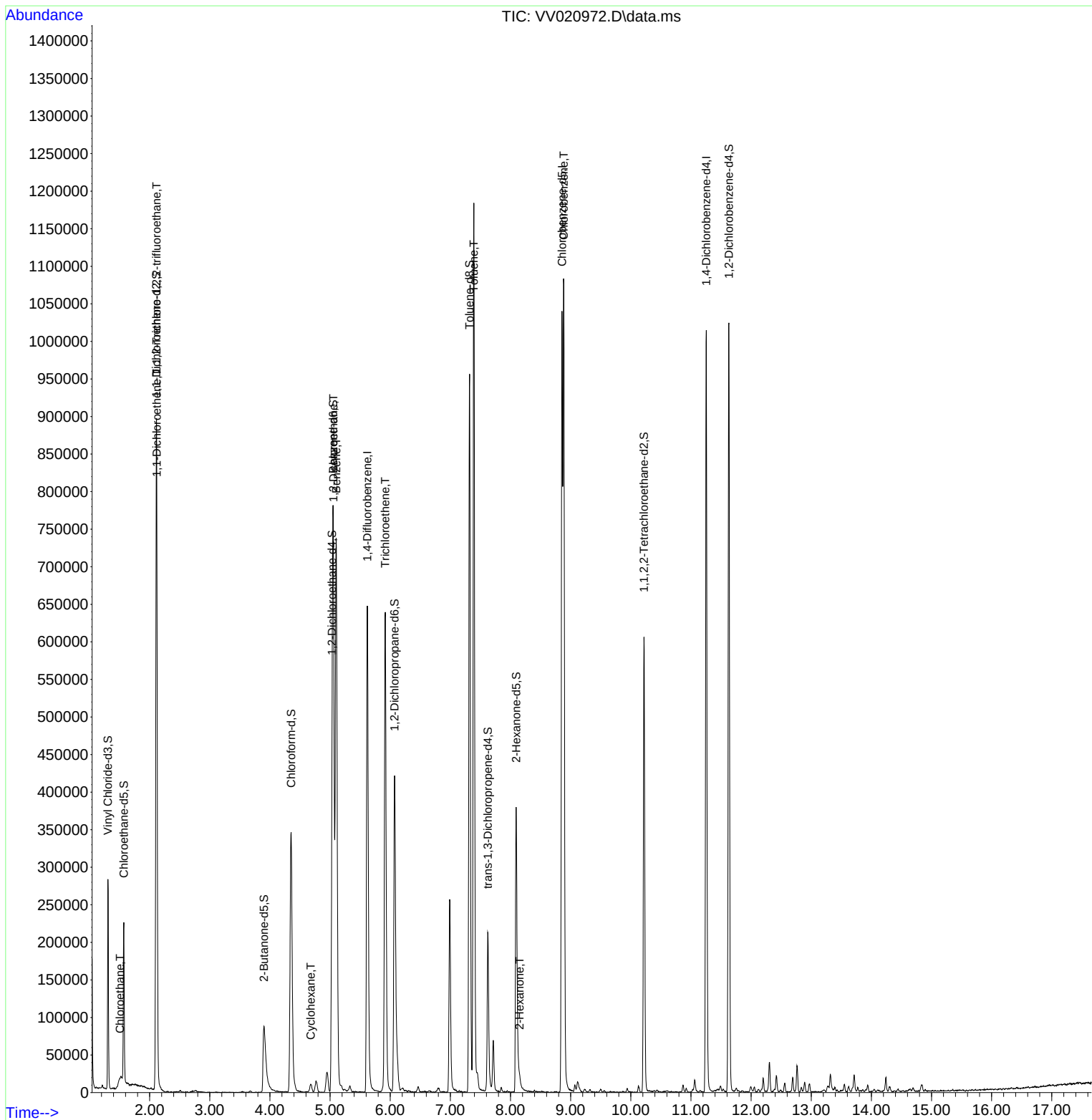
Instrument :
 MSVOA_V
 ClientSampleId :

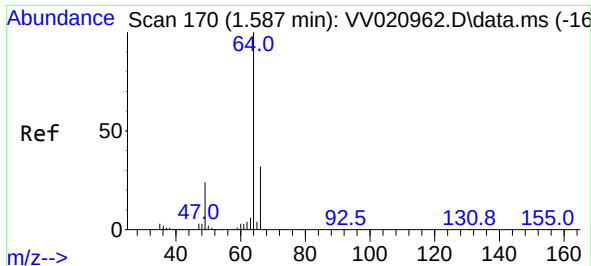
Quant Time: Apr 09 06:32:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM032321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 09 06:30:02 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	575033	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	553000	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.255	152	275512	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	161647	39.60	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	79.20%	
7) Chloroethane-d5	1.571	69	125645	40.71	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	81.42%	
11) 1,1-Dichloroethene-d2	2.111	63	331392	43.02	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	86.04%	
21) 2-Butanone-d5	3.902	46	172148	64.81	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	64.81%	
24) Chloroform-d	4.352	84	362159	44.63	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	89.26%	
26) 1,2-Dichloroethane-d4	5.034	65	247730	46.35	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	92.70%	
32) Benzene-d6	5.053	84	667353	45.27	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	90.54%	
36) 1,2-Dichloropropane-d6	6.072	67	189897	41.96	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	83.92%	
41) Toluene-d8	7.320	98	630661	45.96	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	91.92%	
43) trans-1,3-Dichloroprop...	7.625	79	102429	42.54	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	85.08%	
47) 2-Hexanone-d5	8.095	63	132080	69.61	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	69.61%	
57) 1,1,2,2-Tetrachloroeth...	10.220	84	254200	38.56	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	77.12%	
64) 1,2-Dichlorobenzene-d4	11.632	152	275429	51.51	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	103.02%	
Target Compounds						
8) Chloroethane	1.510	64	19113	7.53	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	2413	0.67	ug/L #	19
12) 1,1-Dichloroethene	2.121	96	172473	51.40	ug/L	79
27) 1,2-Dichloroethane	5.056	62	4246	0.70	ug/L	98
29) Cyclohexane	4.677	56	5311	0.85	ug/L #	25
33) Benzene	5.101	78	762006	49.96	ug/L	100
34) Trichloroethene	5.918	95	215035	51.43	ug/L	94
42) Toluene	7.391	91	855255	51.59	ug/L	97
48) 2-Hexanone	8.153	43	6944	1.70	ug/L #	59
51) Chlorobenzene	8.886	112	582892	52.38	ug/L	97

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

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QLast Update : Fri Apr 09 06:30:02 2021
Response via : Initial Calibration

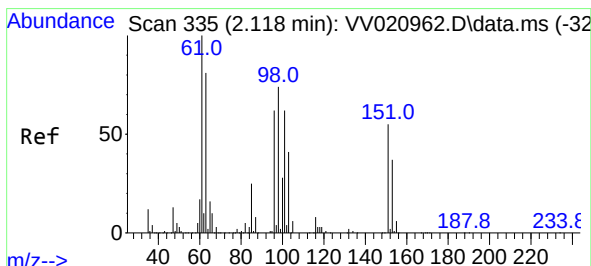
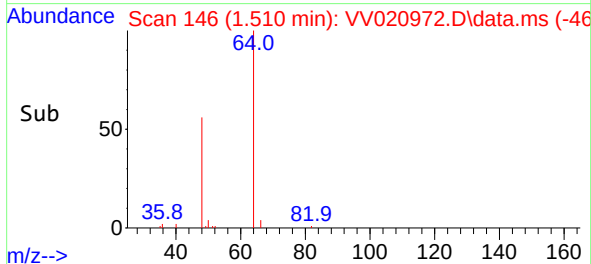
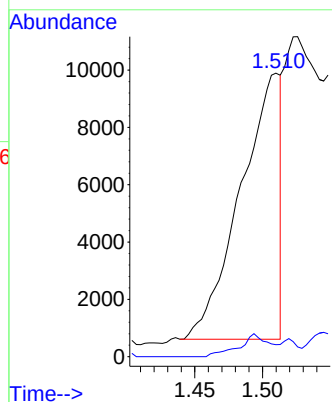
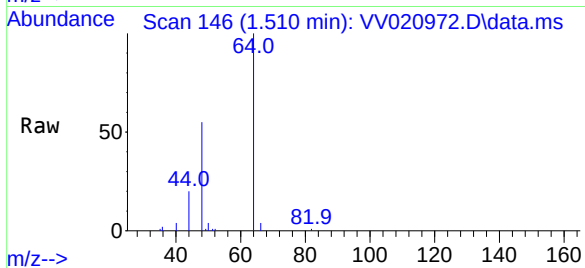




#8
Chloroethane
Concen: 7.53 ug/L
RT: 1.510 min Scan# 146
Delta R.T. -0.077 min
Lab File: VV020972.D
Acq: 08 Apr 2021 15:11

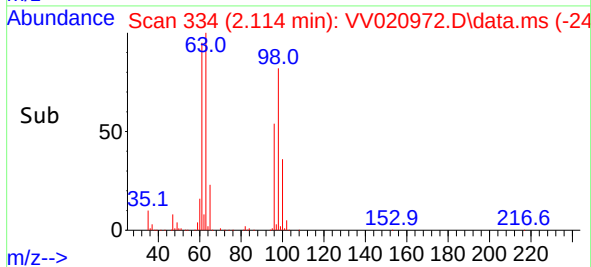
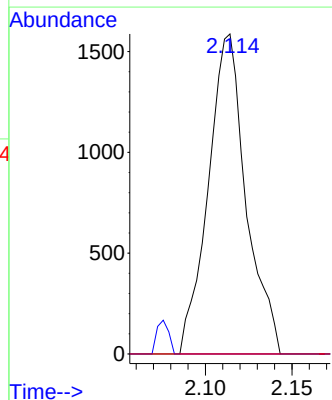
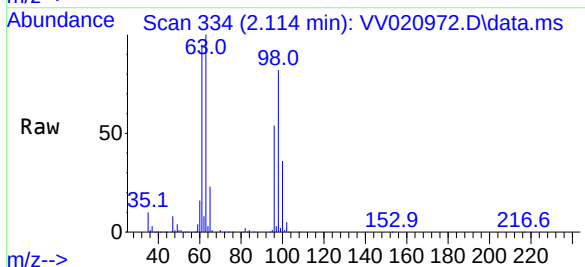
Instrument :
MSVOA_V
ClientSampled :

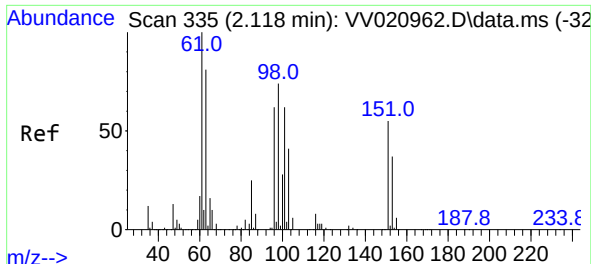
Tgt Ion: 64 Resp: 19113
Ion Ratio Lower Upper
64 100
66 4.3 22.4 41.6#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.67 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.003 min
Lab File: VV020972.D
Acq: 08 Apr 2021 15:11

Tgt Ion:101 Resp: 2413
Ion Ratio Lower Upper
101 100
85 3.3 35.4 53.0#
151 0.0 63.5 95.3#





#12

1,1-Dichloroethene

Concen: 51.40 ug/L

RT: 2.121 min Scan# 336

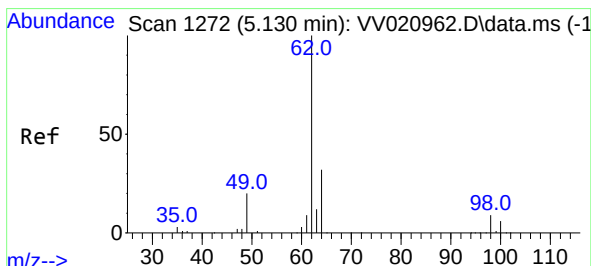
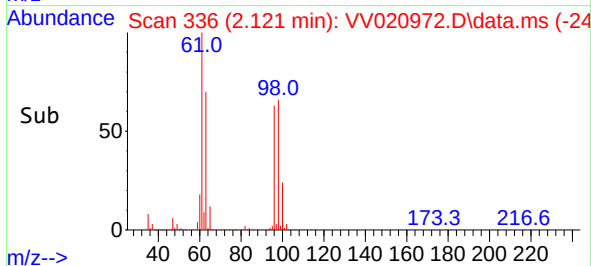
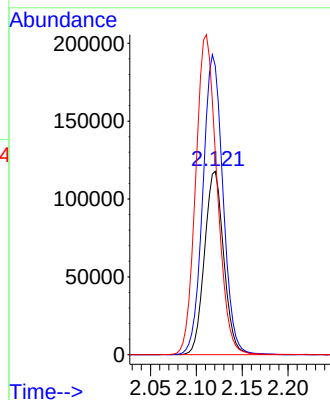
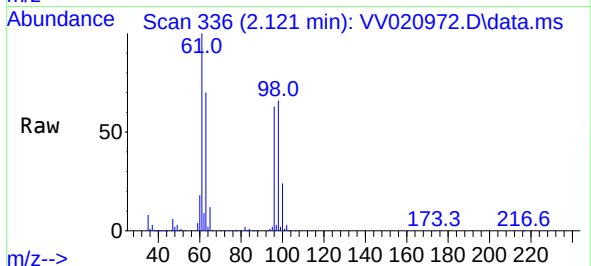
Delta R.T. 0.003 min

Lab File: VV020972.D

Acq: 08 Apr 2021 15:11

Tgt Ion: 96 Resp: 172473

Ion	Ratio	Lower	Upper
96	100		
61	157.6	126.3	234.6
63	110.3	100.2	186.2



#27

1,2-Dichloroethane

Concen: 0.70 ug/L

RT: 5.056 min Scan# 1249

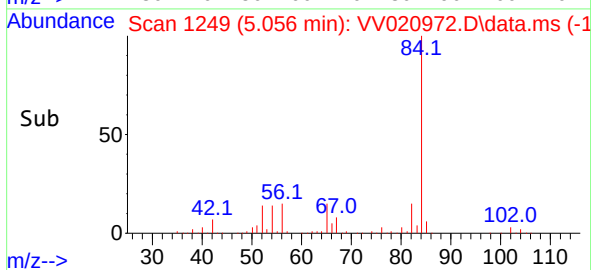
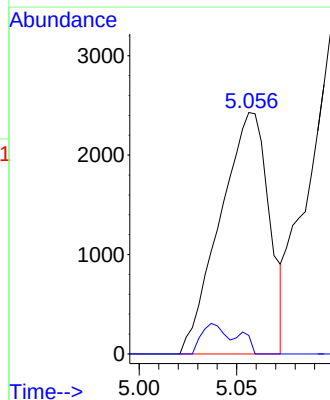
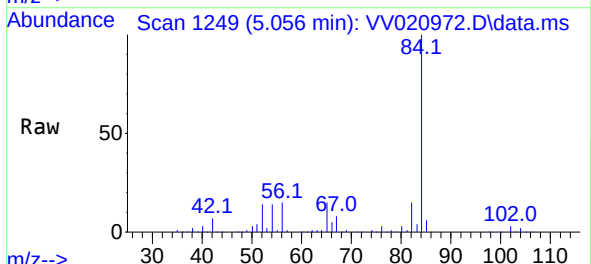
Delta R.T. -0.074 min

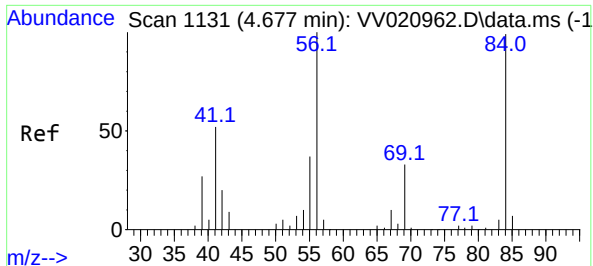
Lab File: VV020972.D

Acq: 08 Apr 2021 15:11

Tgt Ion: 62 Resp: 4246

Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.8	10.2





#29

Cyclohexane

Concen: 0.85 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. -0.000 min

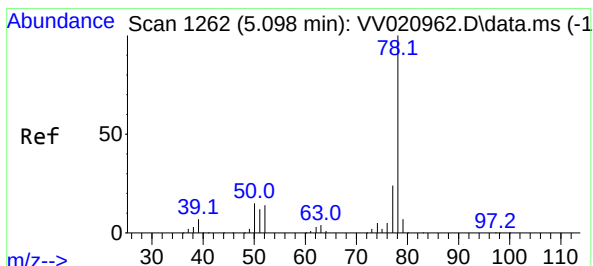
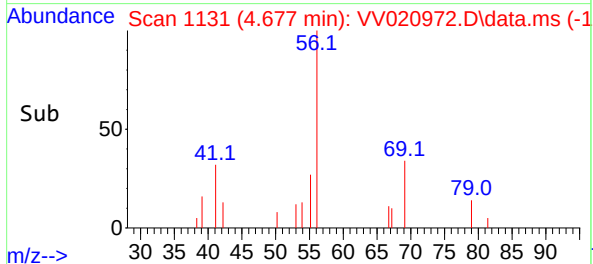
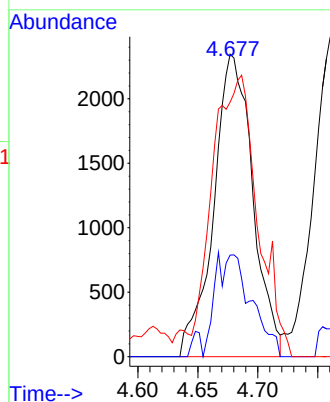
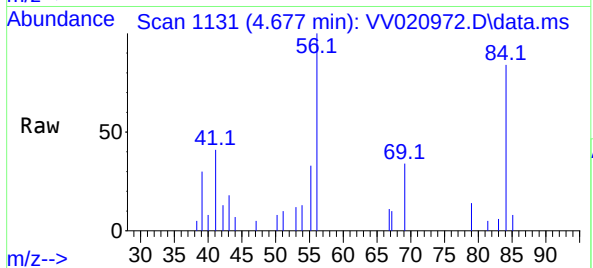
Lab File: VV020972.D

Acq: 08 Apr 2021 15:11

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 56 Resp: 5311

Ion	Ratio	Lower	Upper
56	100		
69	7.6	24.4	36.6#
84	6.6	69.9	104.9#



#33

Benzene

Concen: 49.96 ug/L

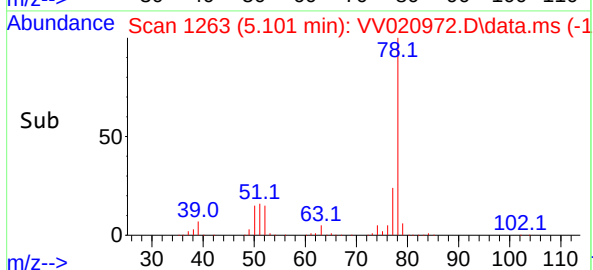
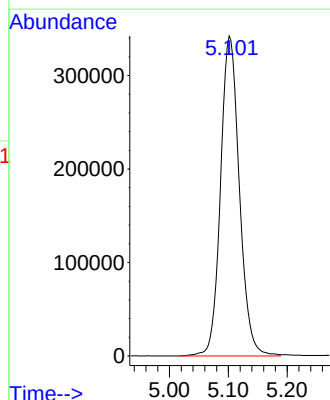
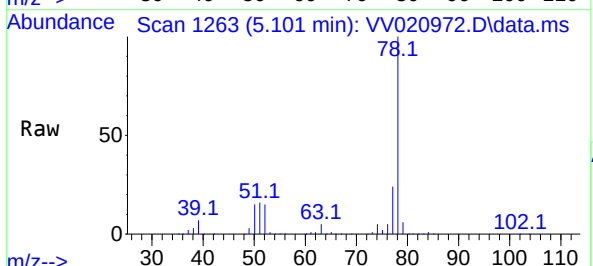
RT: 5.101 min Scan# 1263

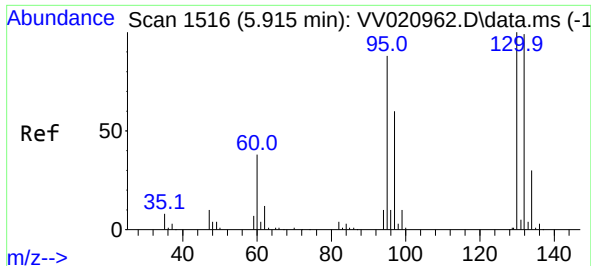
Delta R.T. 0.003 min

Lab File: VV020972.D

Acq: 08 Apr 2021 15:11

Tgt Ion: 78 Resp: 762006

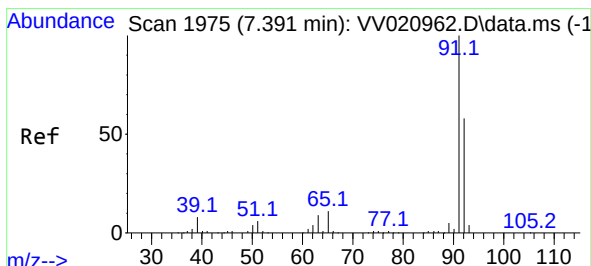
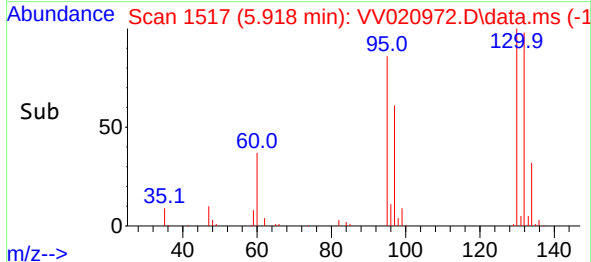
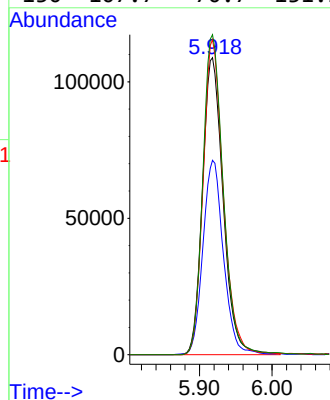
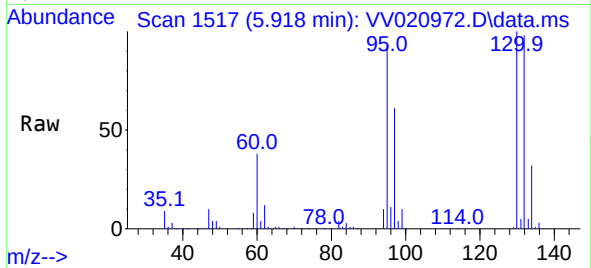




#34
Trichloroethene
Concen: 51.43 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.003 min
Lab File: VV020972.D
Acq: 08 Apr 2021 15:11

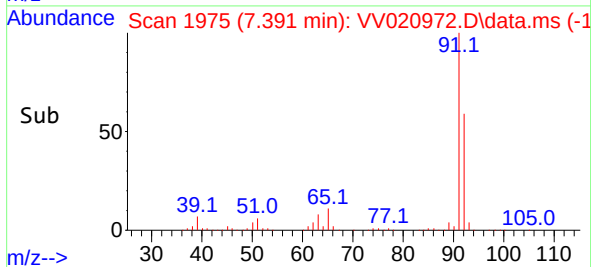
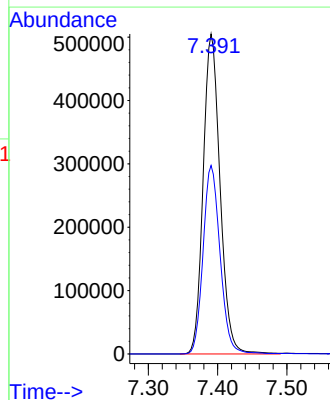
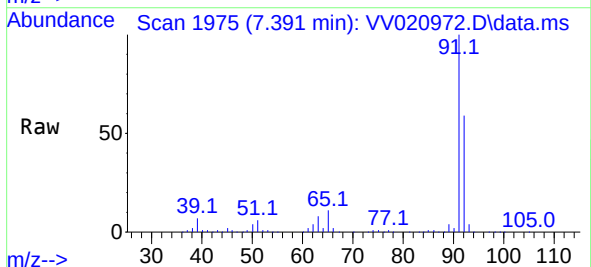
Instrument :
MSVOA_V
ClientSampled :

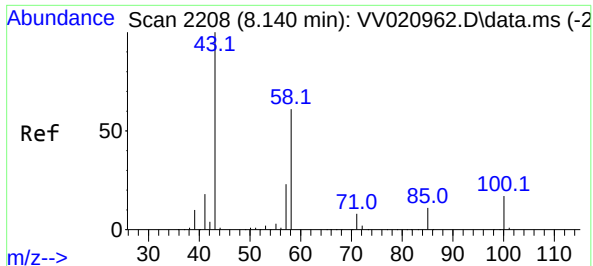
Tgt Ion: 95 Resp: 215035
Ion Ratio Lower Upper
95 100
97 65.4 43.5 80.9
132 106.1 69.5 129.1
130 107.7 70.7 131.3



#42
Toluene
Concen: 51.59 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. -0.000 min
Lab File: VV020972.D
Acq: 08 Apr 2021 15:11

Tgt Ion: 91 Resp: 855255
Ion Ratio Lower Upper
91 100
92 58.9 39.9 74.1



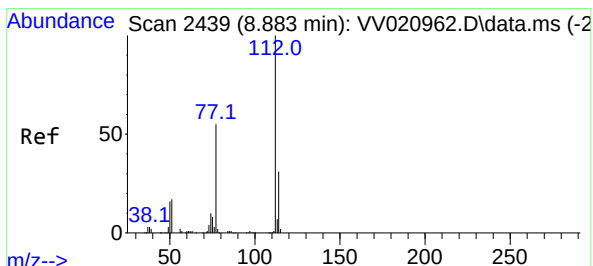
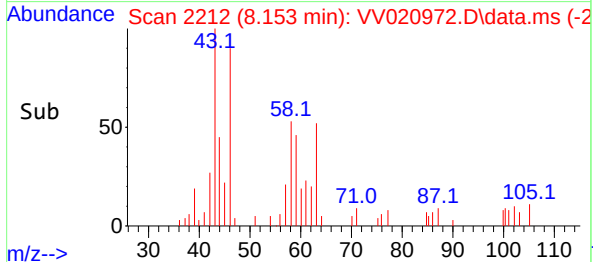
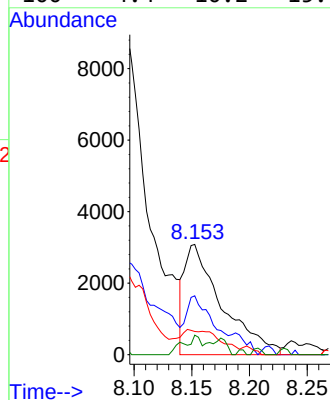
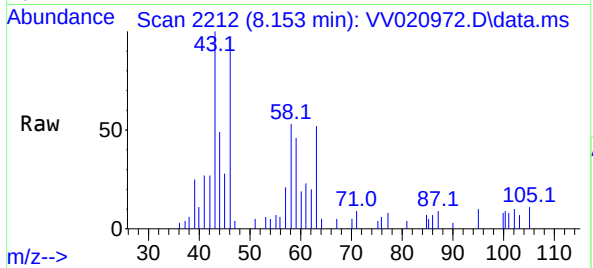


#48
2-Hexanone
Concen: 1.70 ug/L
RT: 8.153 min Scan# 2212
Delta R.T. 0.013 min
Lab File: VV020972.D
Acq: 08 Apr 2021 15:11

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 6944

Ion	Ratio	Lower	Upper
43	100		
58	22.4	45.8	68.8#
57	2.9	15.4	23.2#
100	4.4	10.2	15.4#



#51
Chlorobenzene
Concen: 52.38 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.003 min
Lab File: VV020972.D
Acq: 08 Apr 2021 15:11

Tgt Ion: 112 Resp: 582892

Ion	Ratio	Lower	Upper
112	100		
114	33.4	22.4	41.6
77	56.1	46.7	70.1

