

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051421\
 Data File : VU043747.D
 Acq On : 14 May 2021 11:40
 Operator : SY/MD
 Sample : M2350-02DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 14 14:42:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051421WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 14 04:42:41 2021
 Response via : Initial Calibration

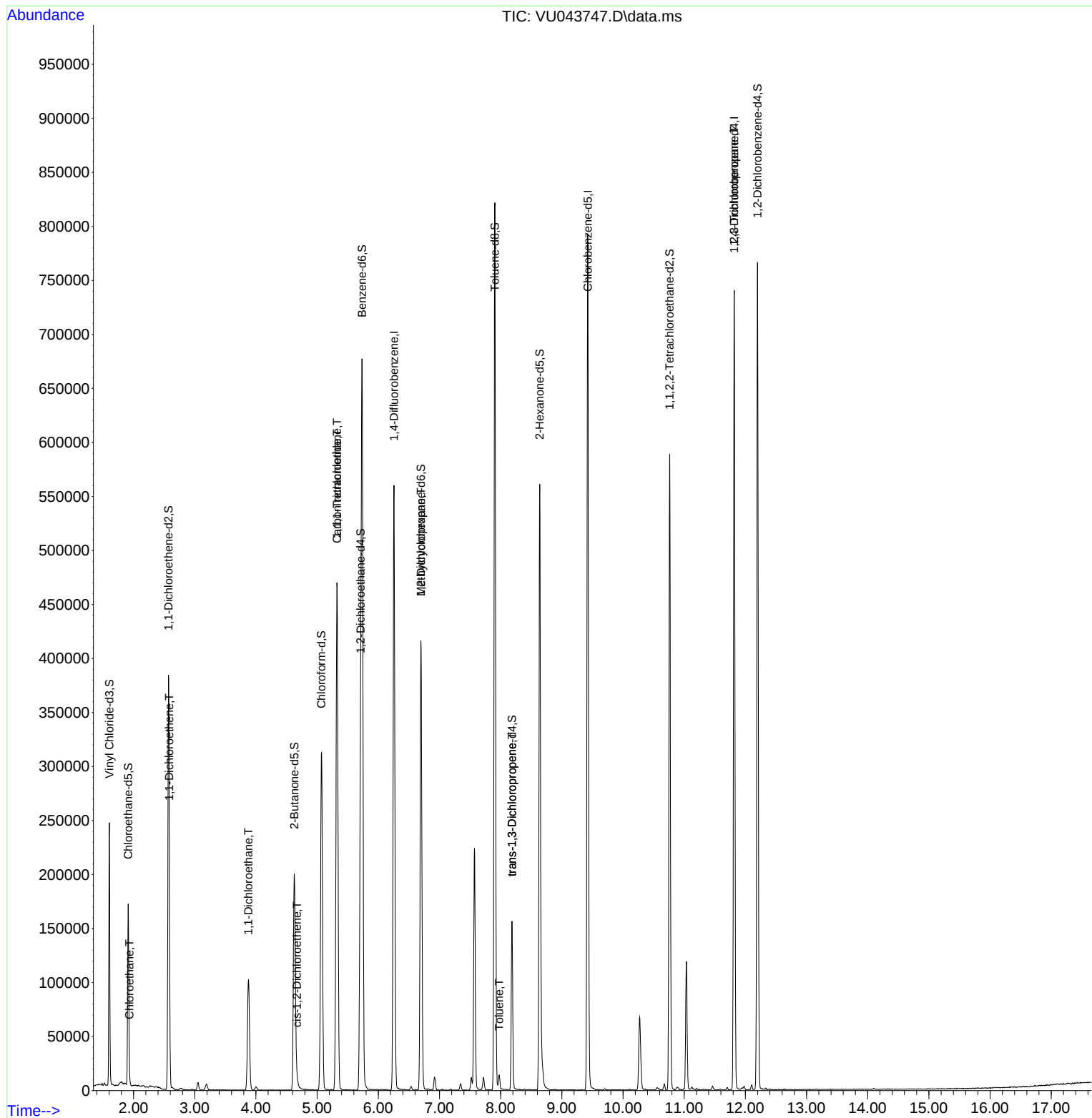
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	451509	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	436382	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	201802	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	166153	44.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.88%
7) Chloroethane-d5	1.912	69	125991	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.74%
11) 1,1-Dichloroethene-d2	2.572	63	223098	35.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.10%
21) 2-Butanone-d5	4.626	46	293353	100.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.31%
24) Chloroform-d	5.070	84	297219	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.72%
26) 1,2-Dichloroethane-d4	5.710	65	191407	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.34%
32) Benzene-d6	5.735	84	631343	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.64%
36) 1,2-Dichloropropane-d6	6.697	67	207508	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.38%
41) Toluene-d8	7.906	98	546591	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%
43) trans-1,3-Dichloroprop...	8.185	79	86202	46.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.48%
47) 2-Hexanone-d5	8.639	63	189721	93.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.92%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	295136	46.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.46%
66) 1,2-Dichlorobenzene-d4	12.198	152	206682	51.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.78%
Target Compounds						
8) Chloroethane	1.932	64	1684	0.67	ug/L #	79
12) 1,1-Dichloroethene	2.584	96	7871	2.41	ug/L #	1
19) 1,1-Dichloroethane	3.877	63	120609	18.30	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	1907	0.51	ug/L	88
30) 1,1,1-Trichloroethane	5.324	97	338883	64.42	ug/L	99
31) Carbon tetrachloride	5.327	117	46401	10.74	ug/L	100
35) Methylcyclohexane	6.697	83	45946	8.10	ug/L #	18
42) Toluene	7.976	91	8474	0.55	ug/L	99
44) trans-1,3-Dichloropropene	8.185	75	3515	0.68	ug/L	92
60) 1,2,3-Trichloropropane	11.816	75	23180	4.92	ug/L #	68

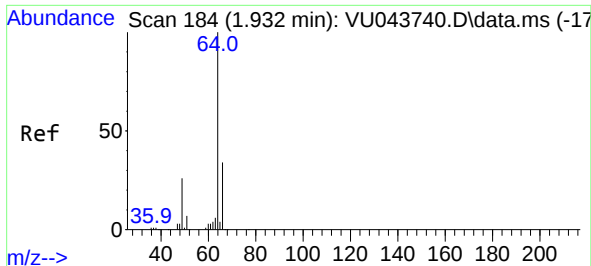
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 14 14:42:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051421WMA.M
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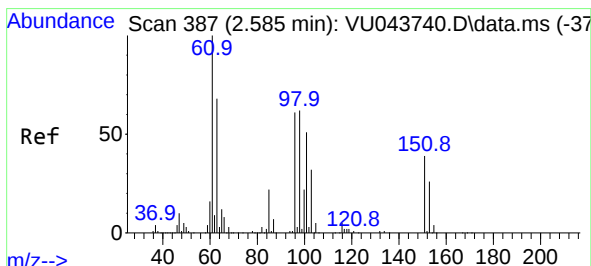
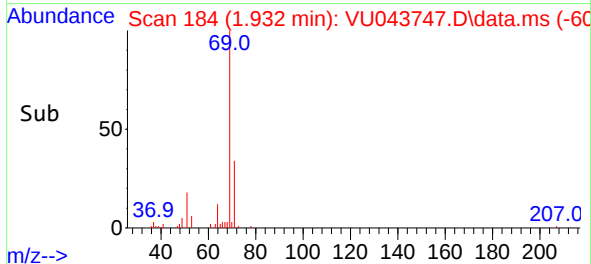
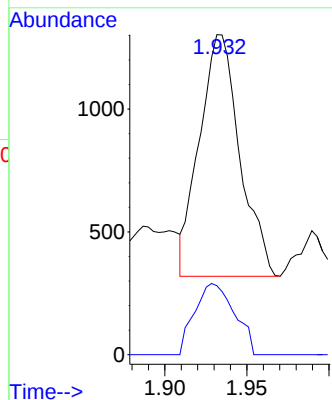
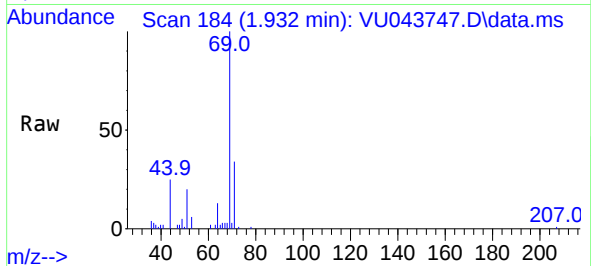




#8
Chloroethane
Concen: 0.67 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU043747.D
Acq: 14 May 2021 11:40

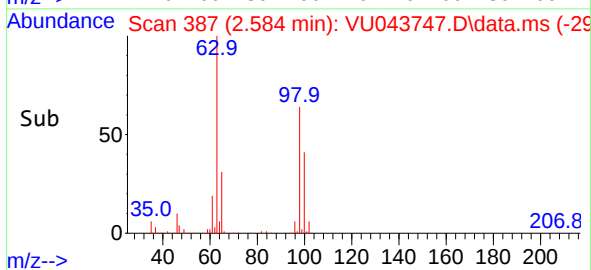
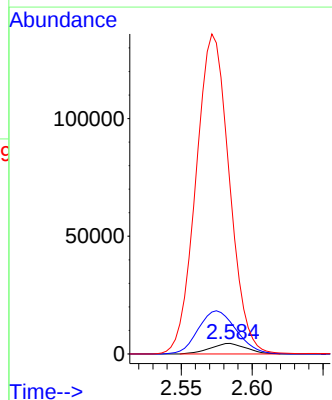
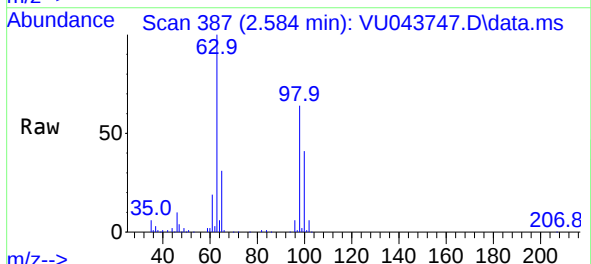
Instrument :
MSVOA_U
ClientSampled :

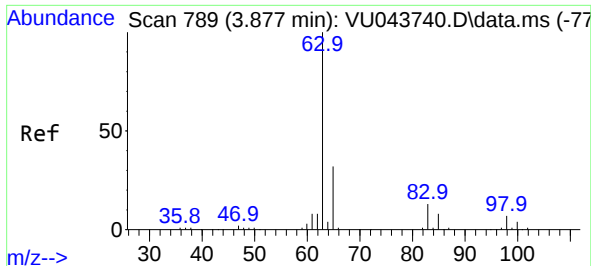
Tgt Ion: 64 Resp: 1684
Ion Ratio Lower Upper
64 100
66 21.6 23.2 43.2#



#12
1,1-Dichloroethene
Concen: 2.41 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU043747.D
Acq: 14 May 2021 11:40

Tgt Ion: 96 Resp: 7871
Ion Ratio Lower Upper
96 100
61 308.2 116.3 215.9#
63 1592.1 80.8 150.2#



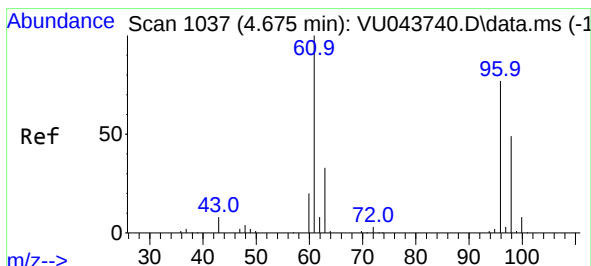
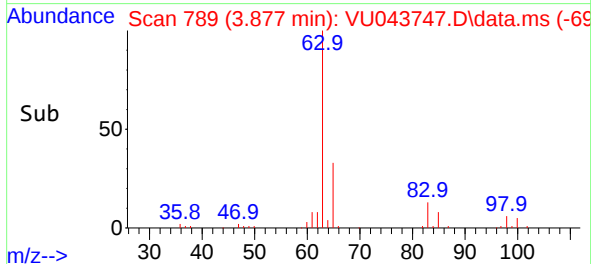
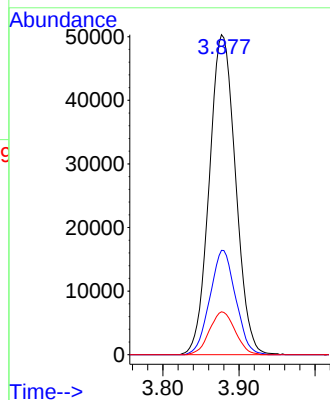
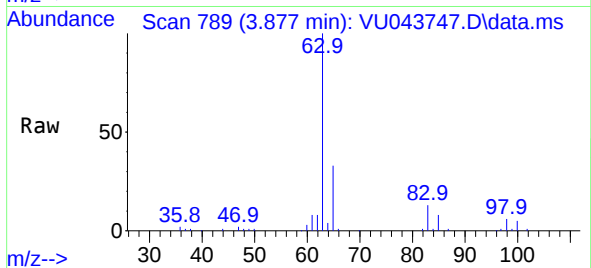


#19
1,1-Dichloroethane
Concen: 18.30 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU043747.D
Acq: 14 May 2021 11:40

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 63 Resp: 120609

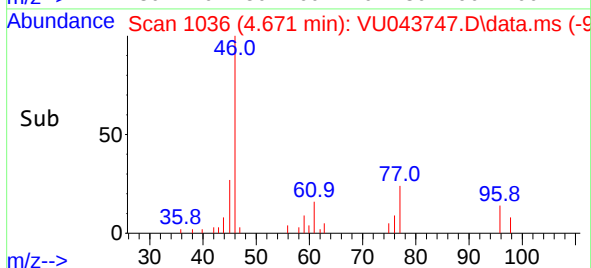
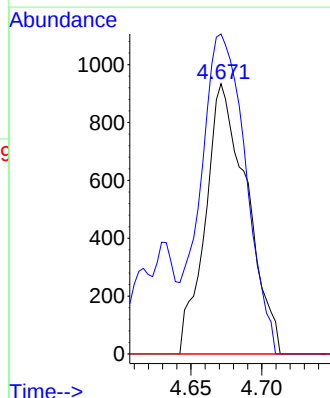
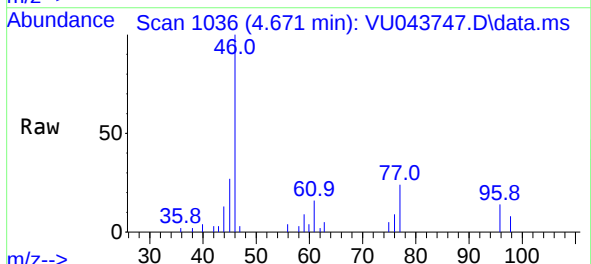
Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.0	41.0
83	13.4	8.7	16.1

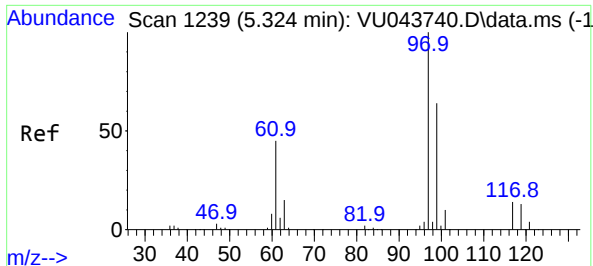


#20
cis-1,2-Dichloroethene
Concen: 0.51 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU043747.D
Acq: 14 May 2021 11:40

Tgt Ion: 96 Resp: 1907

Ion	Ratio	Lower	Upper
96	100		
61	118.4	93.1	172.9
68	0.0	0.0	0.0

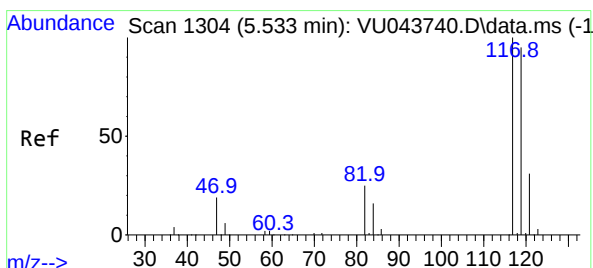
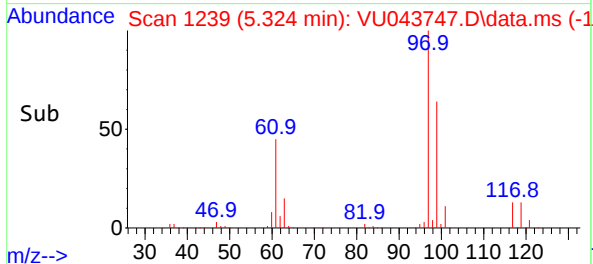
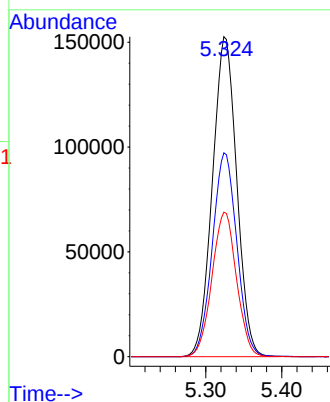
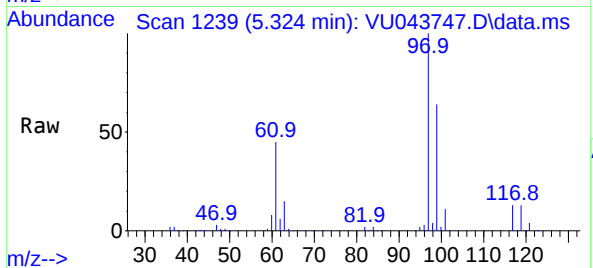




#30
1,1,1-Trichloroethane
Concen: 64.42 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VU043747.D
Acq: 14 May 2021 11:40

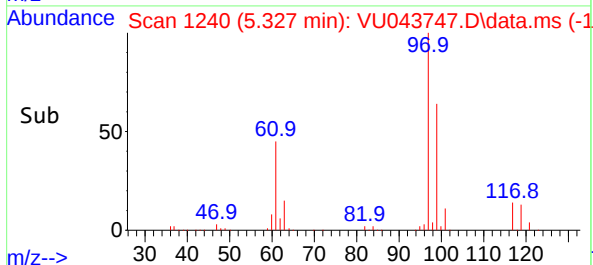
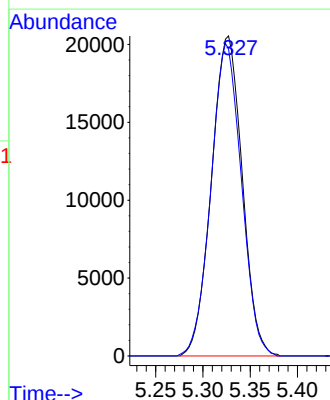
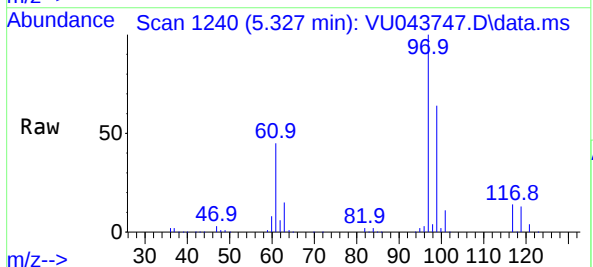
Instrument :
MSVOA_U
ClientSampleId :

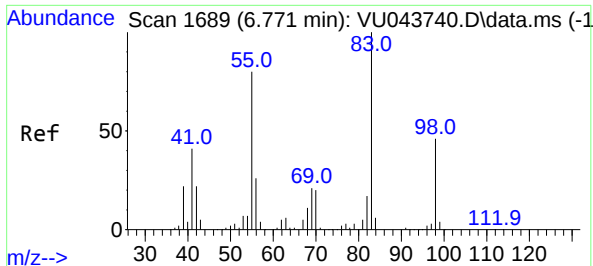
Tgt Ion: 97 Resp: 338883
Ion Ratio Lower Upper
97 100
99 64.3 51.7 77.5
61 45.6 36.9 55.3



#31
Carbon tetrachloride
Concen: 10.74 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. -0.206 min
Lab File: VU043747.D
Acq: 14 May 2021 11:40

Tgt Ion: 117 Resp: 46401
Ion Ratio Lower Upper
117 100
119 96.6 77.0 115.6

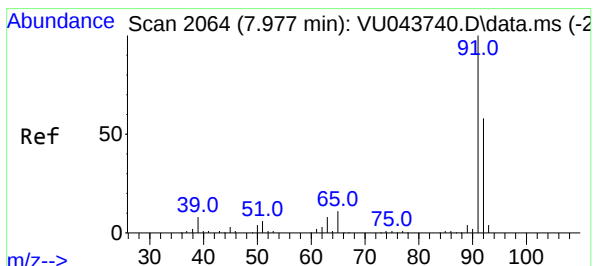
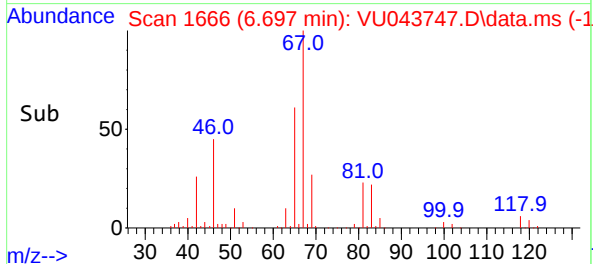
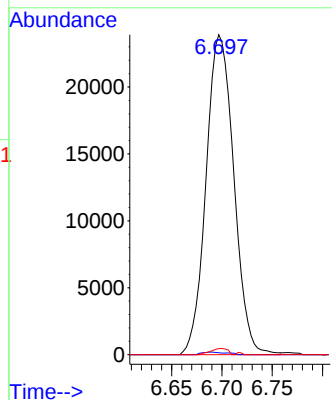
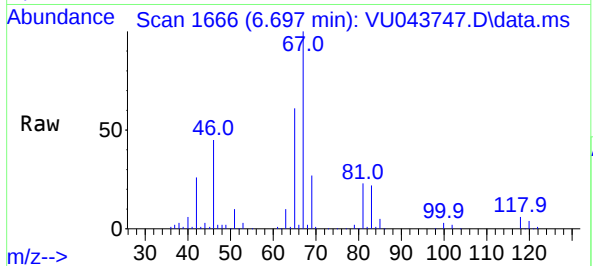




#35
Methylcyclohexane
Concen: 8.10 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.074 min
Lab File: VU043747.D
Acq: 14 May 2021 11:40

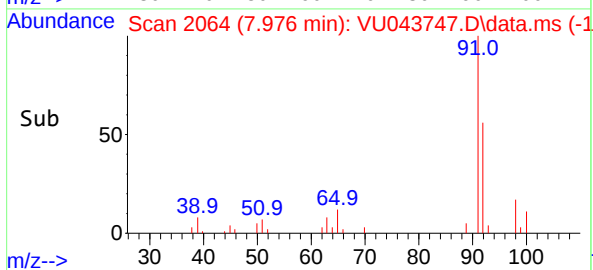
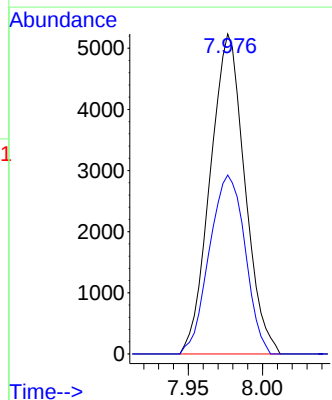
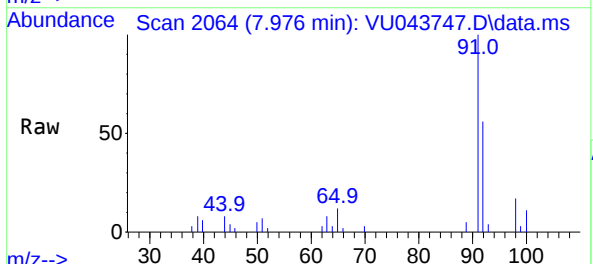
Instrument :
MSVOA_U
ClientSampled :

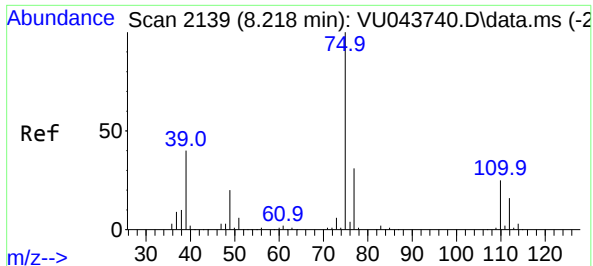
Tgt Ion: 83 Resp: 45946
Ion Ratio Lower Upper
83 100
55 0.5 63.8 95.6#
98 1.2 36.2 54.2#



#42
Toluene
Concen: 0.55 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU043747.D
Acq: 14 May 2021 11:40

Tgt Ion: 91 Resp: 8474
Ion Ratio Lower Upper
91 100
92 55.9 39.7 73.7

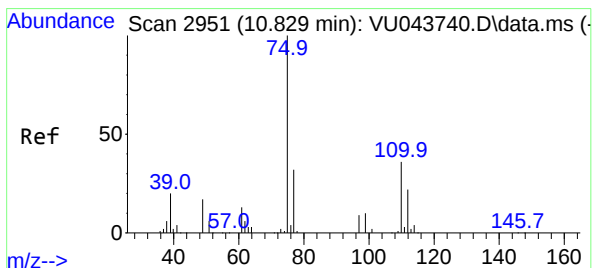
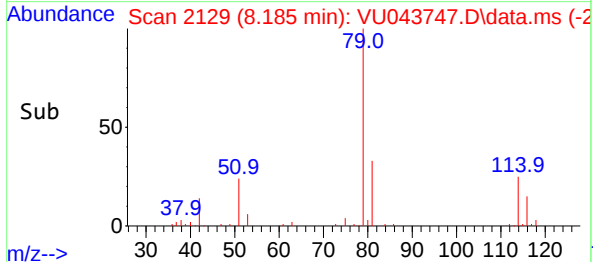
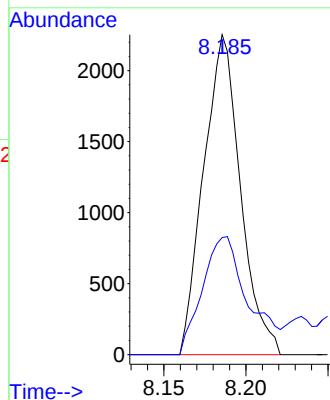
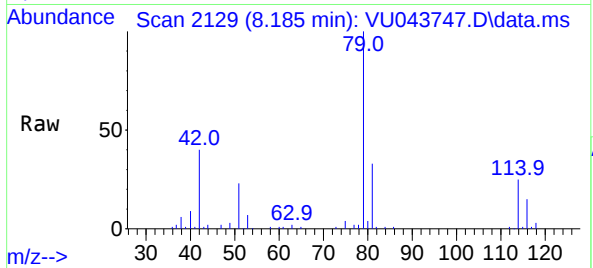




#44
trans-1,3-Dichloropropene
Concen: 0.68 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.032 min
Lab File: VU043747.D
Acq: 14 May 2021 11:40

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 3515
Ion Ratio Lower Upper
75 100
77 36.6 22.4 41.6



#60
1,2,3-Trichloropropane
Concen: 4.92 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.987 min
Lab File: VU043747.D
Acq: 14 May 2021 11:40

Tgt Ion: 75 Resp: 23180
Ion Ratio Lower Upper
75 100
77 30.6 25.8 38.6
110 2.1 28.9 43.3#

