

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045204.D
 Acq On : 07 Oct 2021 12:07
 Operator : SY/MD
 Sample : M4025-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 07 21:36:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 21:34:31 2021
 Response via : Initial Calibration

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

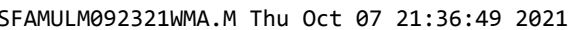
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	306354	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	293335	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	129090	50.000	ug/L	0.00

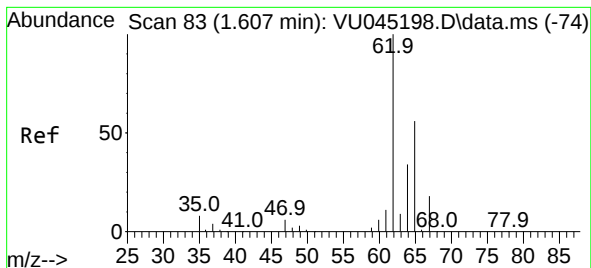
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	119271	35.564	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.120%
7) Chloroethane-d5	1.896	69	101442	38.171	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.340%
11) 1,1-Dichloroethene-d2	2.565	63	176506	31.340	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.680%
21) 2-Butanone-d5	4.626	46	196035	73.938	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	73.940%
24) Chloroform-d	5.067	84	202803	38.288	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.580%
26) 1,2-Dichloroethane-d4	5.706	65	148599	41.417	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.840%
32) Benzene-d6	5.729	84	427822	42.031	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.060%
36) 1,2-Dichloropropane-d6	6.697	67	136775	41.211	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.420%
41) Toluene-d8	7.902	98	380231	43.287	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.580%
43) trans-1,3-Dichloroprop...	8.182	79	61379	41.575	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.160%
47) 2-Hexanone-d5	8.636	63	143048	77.776	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.780%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	211405	40.905	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.820%
66) 1,2-Dichlorobenzene-d4	12.195	152	133437	47.497	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.000%

Target Compounds					Qvalue
5) Vinyl chloride	1.604	62	7639	2.133	ug/L # 1
8) Chloroethane	1.604	64	13727	6.106	ug/L 89
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1953	0.755	ug/L # 35
12) 1,1-Dichloroethene	2.578	96	30876	13.015	ug/L # 55
19) 1,1-Dichloroethane	3.870	63	8222	1.581	ug/L 98
20) cis-1,2-Dichloroethene	4.671	96	109652	39.818	ug/L 92
25) Chloroform	5.092	83	2599	0.503	ug/L 90
30) 1,1,1-Trichloroethane	5.317	97	20871	5.140	ug/L 97
31) Carbon tetrachloride	5.321	117	2323	0.724	ug/L 87
34) Trichloroethene	6.546	95	371000	141.972	ug/L 99
37) 1,2-Dichloropropane	6.693	63	15415	5.204	ug/L # 88
39) cis-1,3-Dichloropropene	7.568	75	4073	0.961	ug/L # 82
42) Toluene	7.973	91	6162	0.557	ug/L 97
44) trans-1,3-Dichloropropene	8.182	75	2740	0.680	ug/L # 83
60) 1,2,3-Trichloropropane	11.815	75	17292	4.843	ug/L # 67

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
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QLast Update : Thu Oct 07 21:34:31 2021
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.133 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.003 min

Lab File: VU045204.D

Acq: 07 Oct 2021 12:07

Tgt Ion: 62 Resp: 7639

Ion Ratio Lower Upper

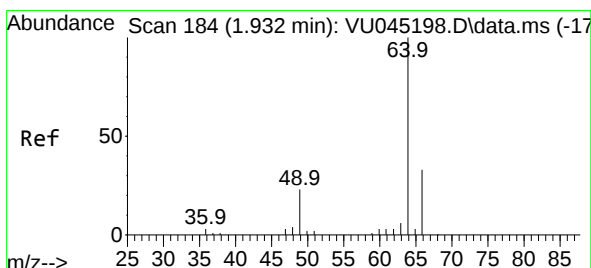
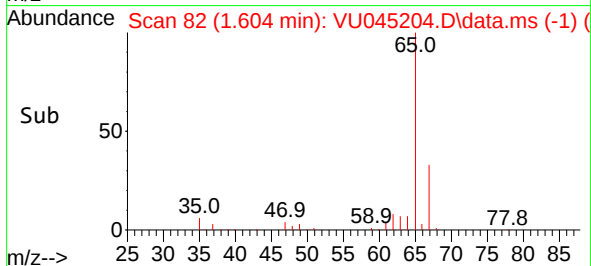
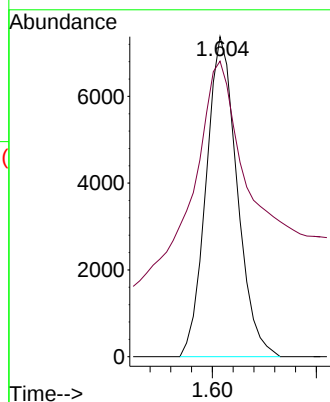
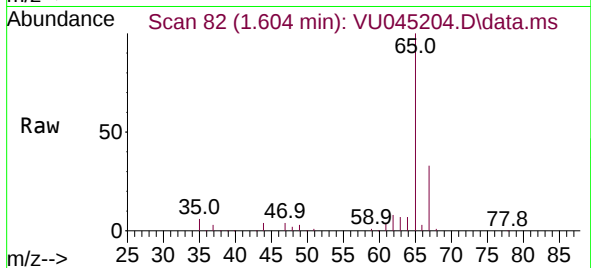
62 100

64 92.4 23.4 43.6#

Instrument :

MSVOA_U

ClientSampled :



#8

Chloroethane

Concen: 6.106 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.328 min

Lab File: VU045204.D

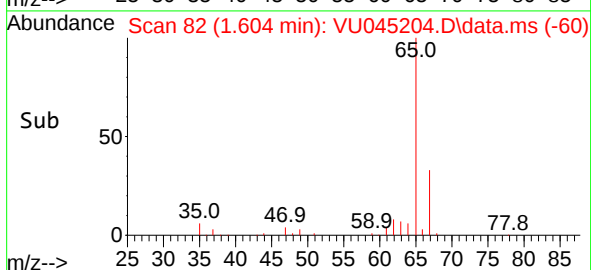
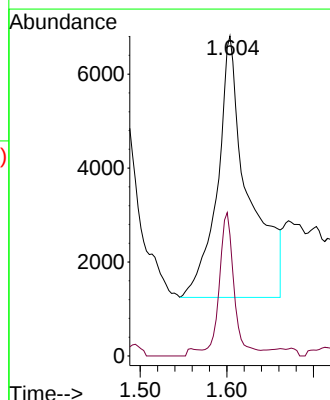
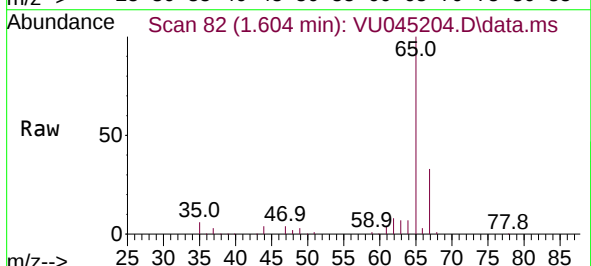
Acq: 07 Oct 2021 12:07

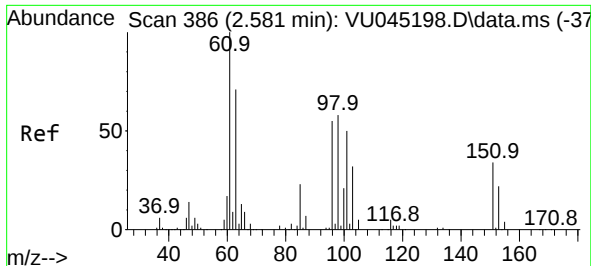
Tgt Ion: 64 Resp: 13727

Ion Ratio Lower Upper

64 100

66 37.8 22.3 41.3

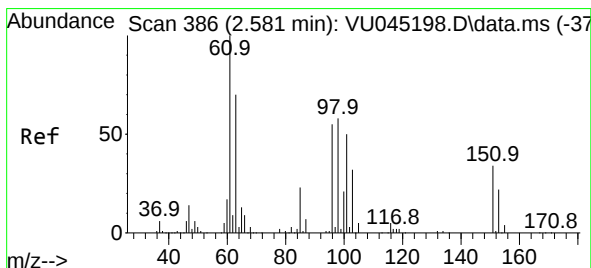
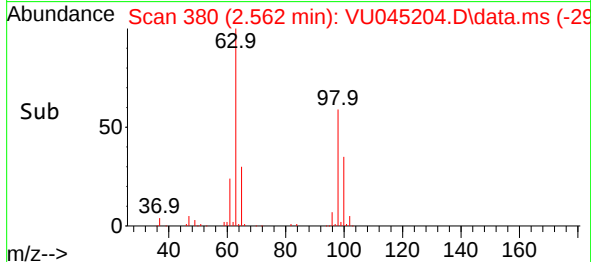
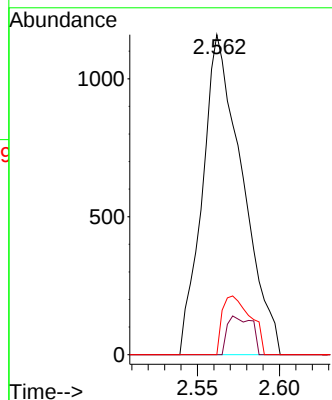
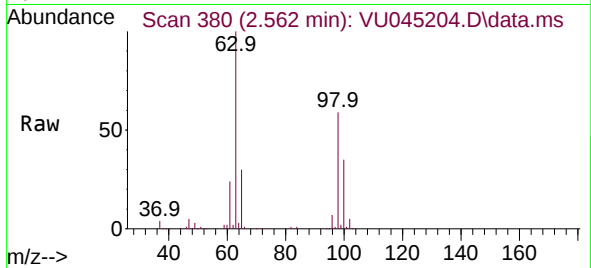




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.755 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.019 min
 Lab File: VU045204.D
 Acq: 07 Oct 2021 12:07

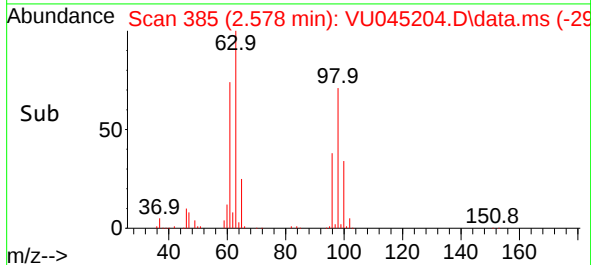
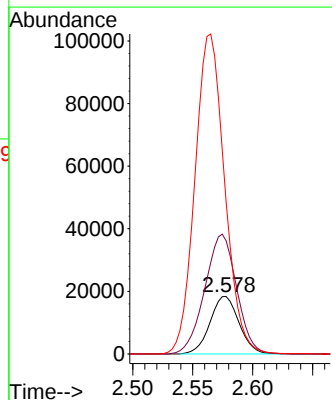
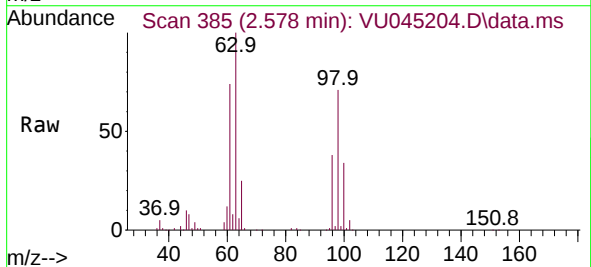
Instrument :
 MSVOA_U
 ClientSampled :

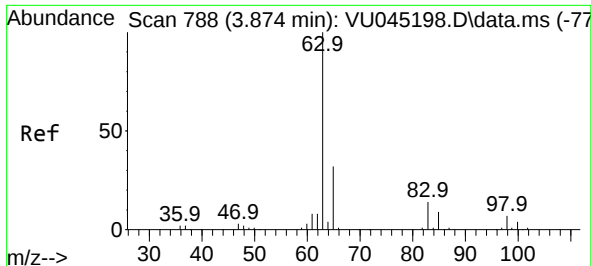
Tgt Ion:101 Resp: 1953
 Ion Ratio Lower Upper
 101 100
 85 4.9 36.4 54.6#
 151 13.1 54.4 81.6#



#12
 1,1-Dichloroethene
 Concen: 13.015 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU045204.D
 Acq: 07 Oct 2021 12:07

Tgt Ion: 96 Resp: 30876
 Ion Ratio Lower Upper
 96 100
 61 197.2 131.3 243.9
 63 265.1 102.5 190.3#





#19

1,1-Dichloroethane

Concen: 1.581 ug/L

RT: 3.870 min Scan# 787

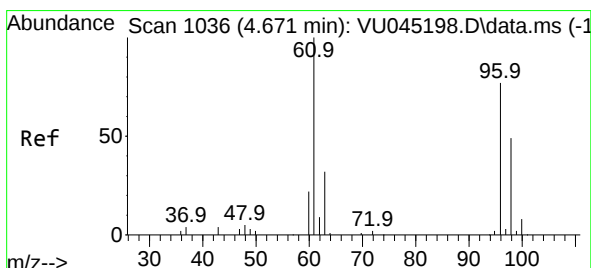
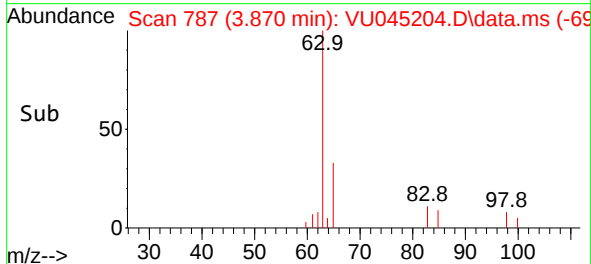
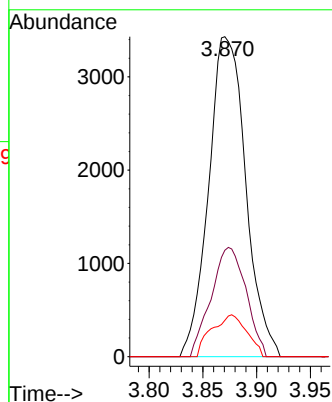
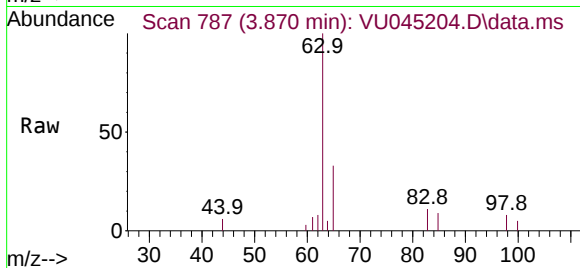
Delta R.T. -0.003 min

Lab File: VU045204.D

Acq: 07 Oct 2021 12:07

Tgt Ion: 63 Resp: 8222

Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.0	40.8
83	10.8	9.0	16.6



#20

cis-1,2-Dichloroethene

Concen: 39.818 ug/L

RT: 4.671 min Scan# 1036

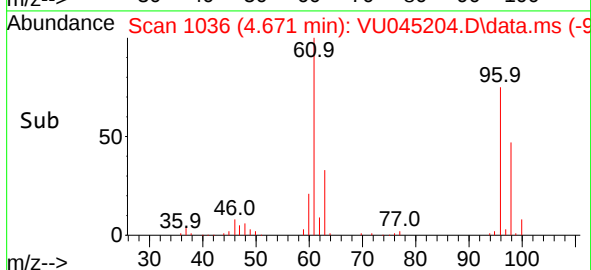
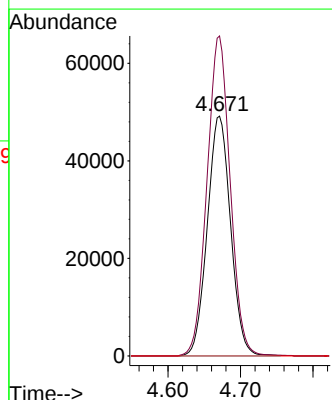
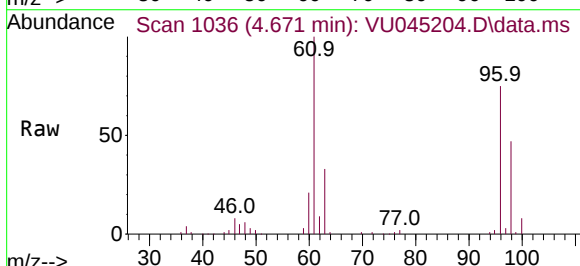
Delta R.T. -0.000 min

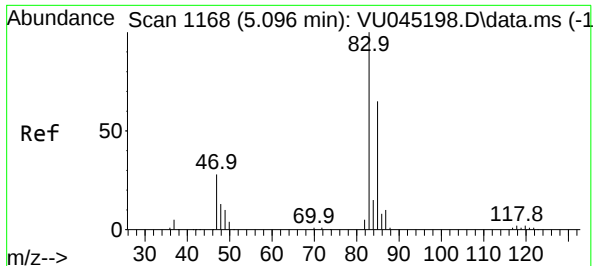
Lab File: VU045204.D

Acq: 07 Oct 2021 12:07

Tgt Ion: 96 Resp: 109652

Ion	Ratio	Lower	Upper
96	100		
61	133.4	100.2	186.0
68	0.0	0.0	0.0





#25

Chloroform

Concen: 0.503 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU045204.D

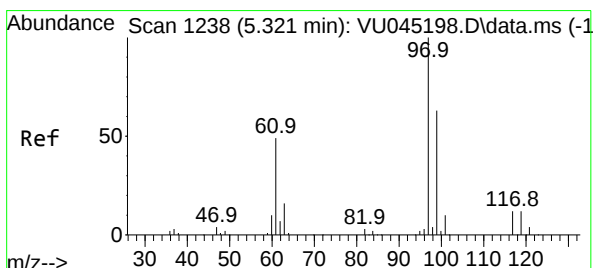
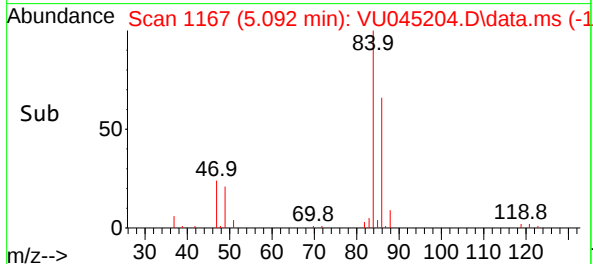
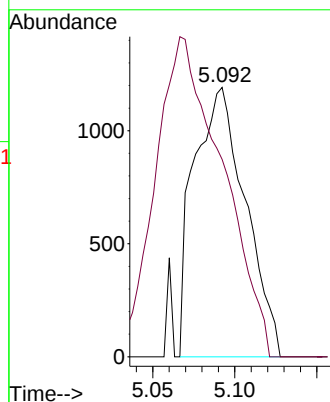
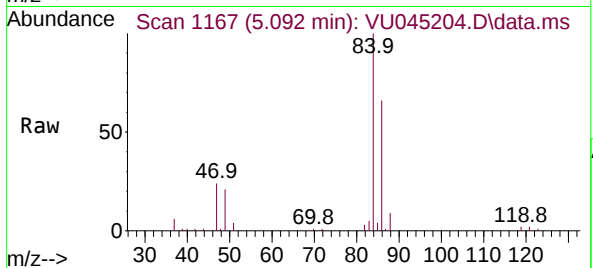
Acq: 07 Oct 2021 12:07

Tgt Ion: 83 Resp: 2599

Ion Ratio Lower Upper

83 100

85 73.2 45.6 84.6



#30

1,1,1-Trichloroethane

Concen: 5.140 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU045204.D

Acq: 07 Oct 2021 12:07

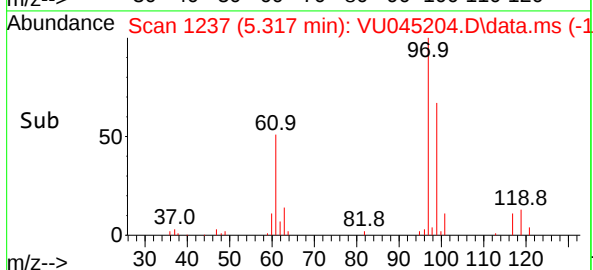
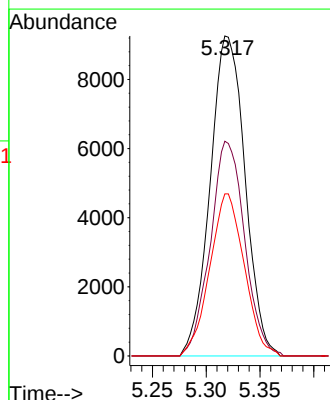
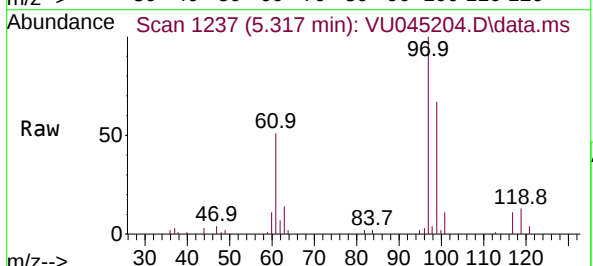
Tgt Ion: 97 Resp: 20871

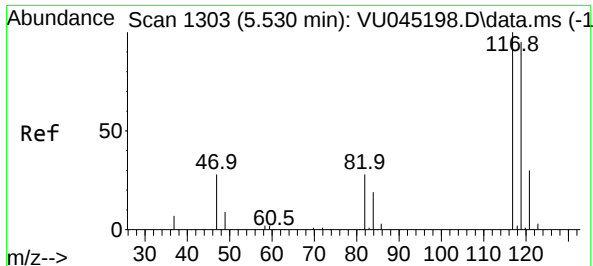
Ion Ratio Lower Upper

97 100

99 66.1 50.6 75.8

61 50.1 41.3 61.9

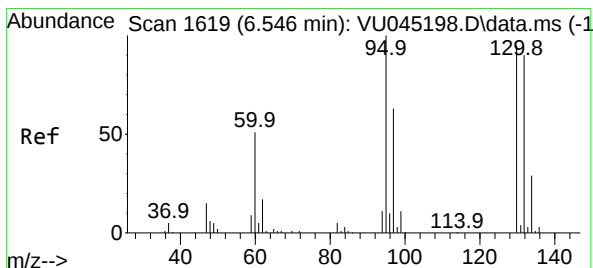
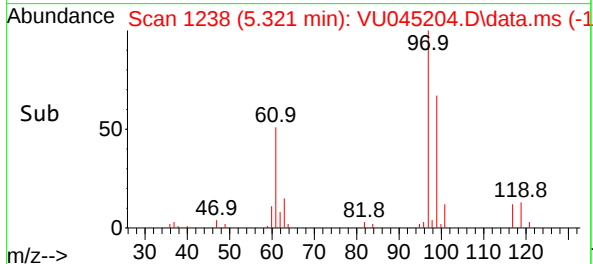
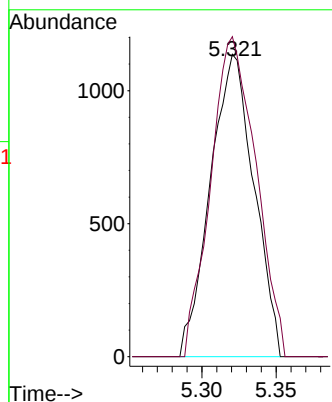
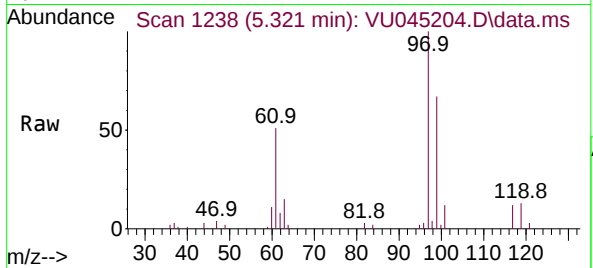




#31
Carbon tetrachloride
Concen: 0.724 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU045204.D
Acq: 07 Oct 2021 12:07

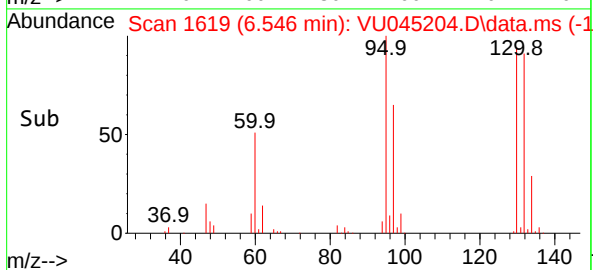
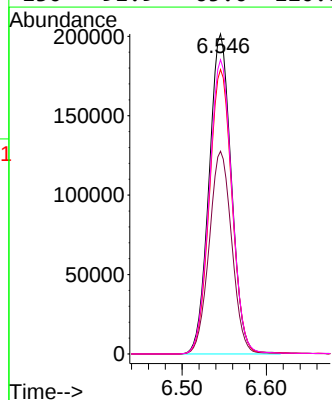
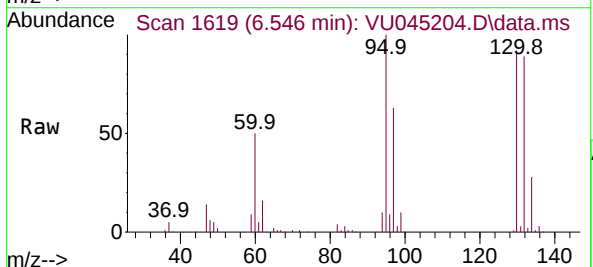
Instrument :
MSVOA_U
ClientSampled :

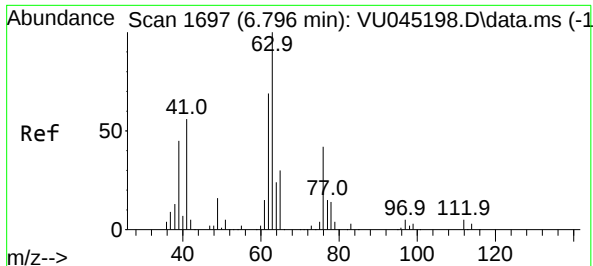
Tgt Ion:117 Resp: 2323
Ion Ratio Lower Upper
117 100
119 109.5 77.7 116.5



#34
Trichloroethene
Concen: 141.972 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045204.D
Acq: 07 Oct 2021 12:07

Tgt Ion: 95 Resp: 371000
Ion Ratio Lower Upper
95 100
97 63.3 44.4 82.4
132 88.9 62.9 116.9
130 91.9 65.0 120.8

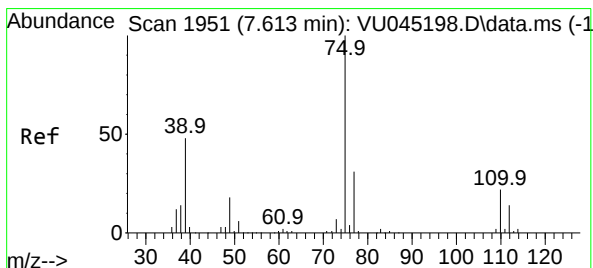
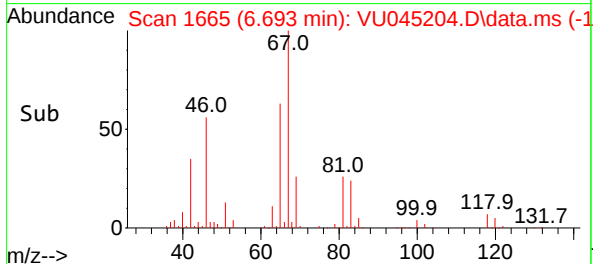
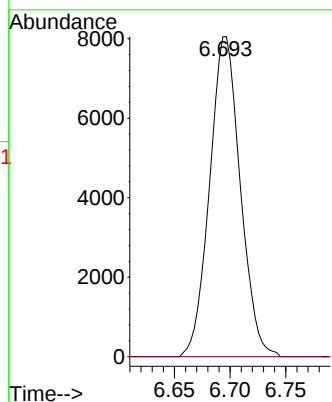
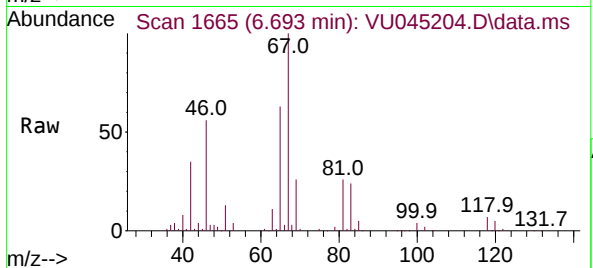




#37
1,2-Dichloropropane
Concen: 5.204 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045204.D
Acq: 07 Oct 2021 12:07

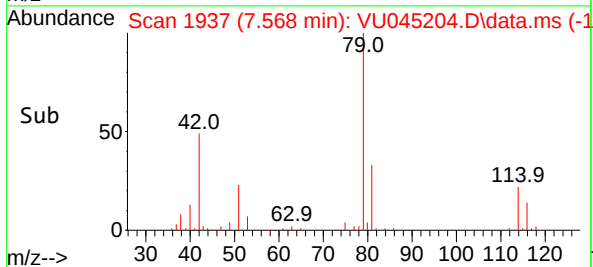
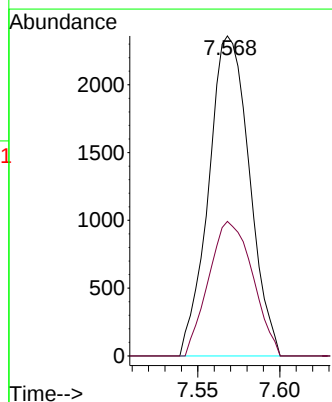
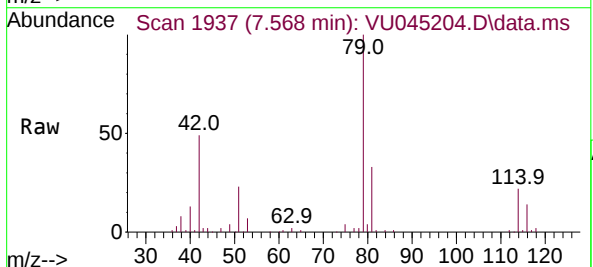
Instrument :
MSVOA_U
ClientSampled :

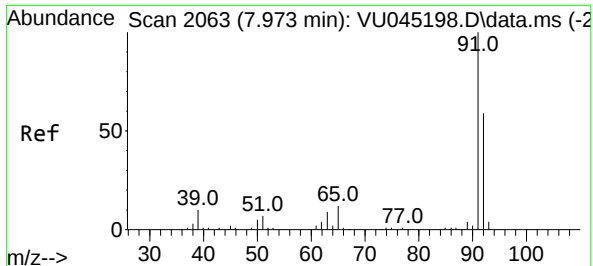
Tgt Ion: 63 Resp: 15415
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#39
cis-1,3-Dichloropropene
Concen: 0.961 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU045204.D
Acq: 07 Oct 2021 12:07

Tgt Ion: 75 Resp: 4073
Ion Ratio Lower Upper
75 100
77 42.0 22.4 41.6#

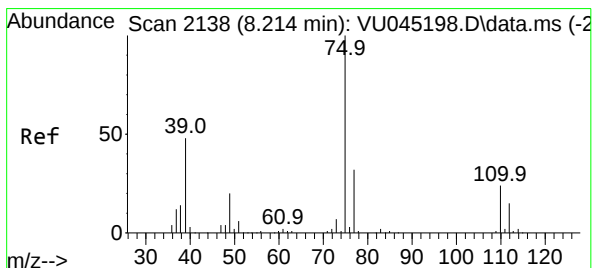
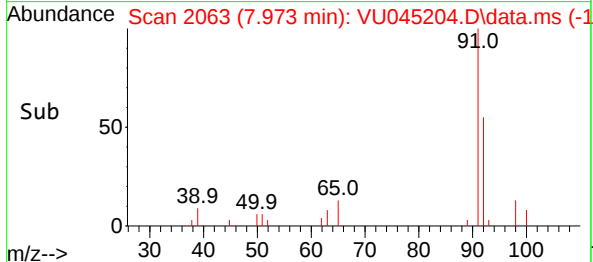
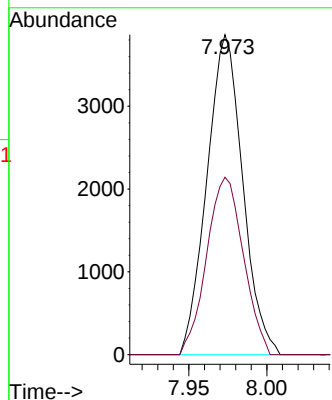
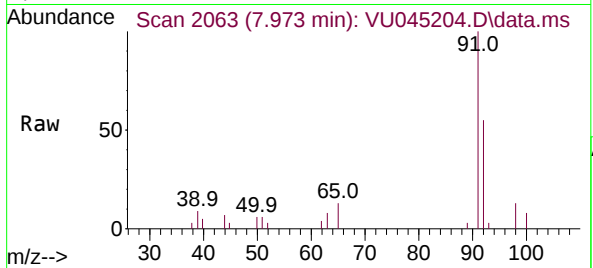




#42
Toluene
Concen: 0.557 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045204.D
Acq: 07 Oct 2021 12:07

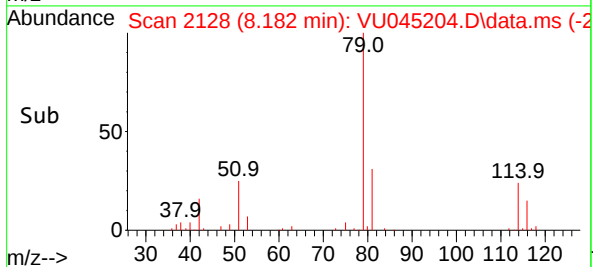
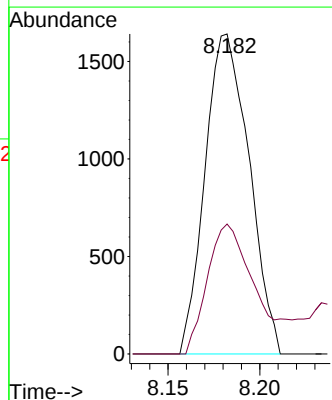
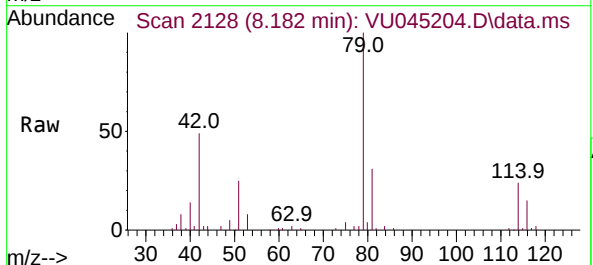
Instrument :
MSVOA_U
ClientSampled :

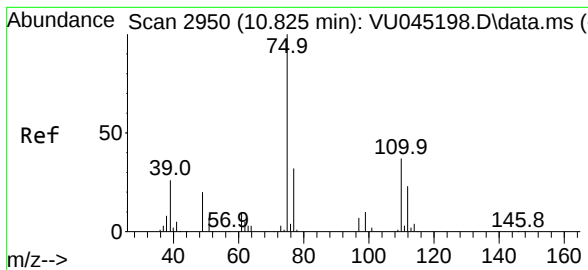
Tgt Ion: 91 Resp: 6162
Ion Ratio Lower Upper
91 100
92 55.5 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.680 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045204.D
Acq: 07 Oct 2021 12:07

Tgt Ion: 75 Resp: 2740
Ion Ratio Lower Upper
75 100
77 40.6 21.7 40.3#





#60
 1,2,3-Trichloropropane
 Concen: 4.843 ug/L
 RT: 11.815 min Scan# 3258
 Delta R.T. 0.990 min
 Lab File: VU045204.D
 Acq: 07 Oct 2021 12:07

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:	75	Resp:	17292
Ion Ratio	Lower	Upper	
75	100		
77	33.7	25.5	38.3
110	1.4	29.0	43.4#

