

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045202.D
 Acq On : 07 Oct 2021 11:19
 Operator : SY/MD
 Sample : M4023-12 25X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK1

Quant Time: Oct 07 21:36:16 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)

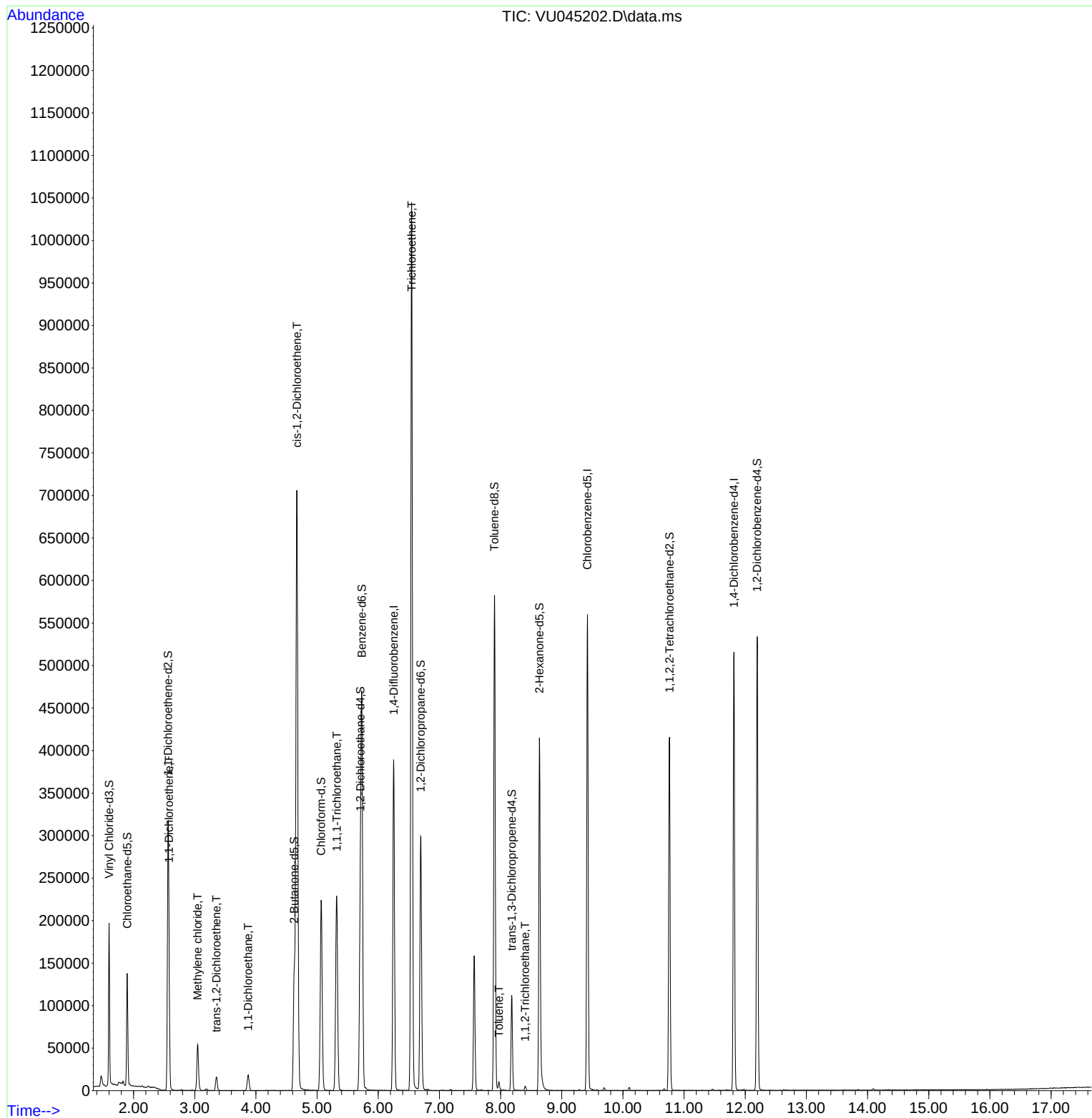
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	302881	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	287396	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	126325	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	118005	35.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.180%
7) Chloroethane-d5	1.896	69	100090	38.094	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.180%
11) 1,1-Dichloroethene-d2	2.565	63	177461	31.871	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.740%
21) 2-Butanone-d5	4.626	46	195899	74.734	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	74.730%
24) Chloroform-d	5.067	84	200822	38.349	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.700%
26) 1,2-Dichloroethane-d4	5.707	65	143135	40.352	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.700%
32) Benzene-d6	5.732	84	422547	42.371	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.740%
36) 1,2-Dichloropropane-d6	6.694	67	134111	41.243	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.480%
41) Toluene-d8	7.899	98	371740	43.195	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.380%
43) trans-1,3-Dichloroprop...	8.182	79	57952	40.065	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.120%
47) 2-Hexanone-d5	8.636	63	142735	79.209	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.210%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	205401	40.565	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.120%
66) 1,2-Dichlorobenzene-d4	12.195	152	128659	46.799	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	33690	14.364	ug/L	# 61
16) Methylene chloride	3.048	84	25880	8.709	ug/L	93
17) trans-1,2-Dichloroethene	3.356	96	6374	2.580	ug/L	100
19) 1,1-Dichloroethane	3.874	63	20848	4.056	ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	356180	130.824	ug/L	93
30) 1,1,1-Trichloroethane	5.321	97	160895	40.443	ug/L	98
34) Trichloroethene	6.546	95	348989	136.309	ug/L	98
42) Toluene	7.973	91	6481	0.598	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	1769	0.673	ug/L	82

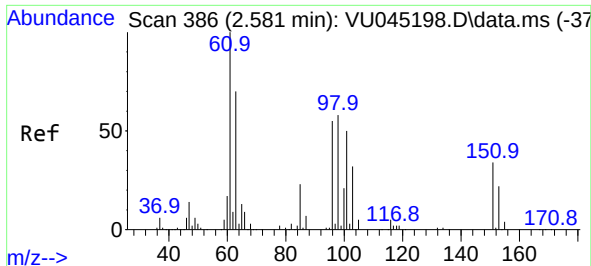
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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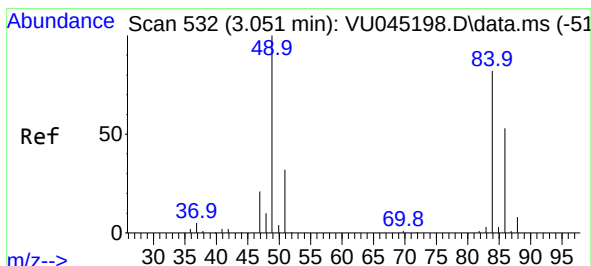
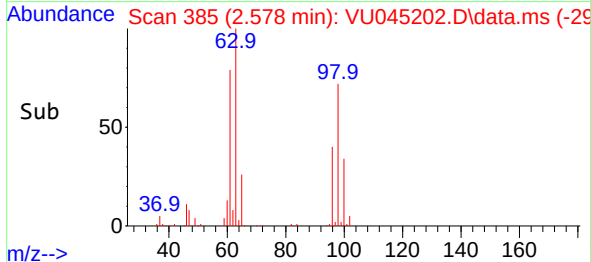
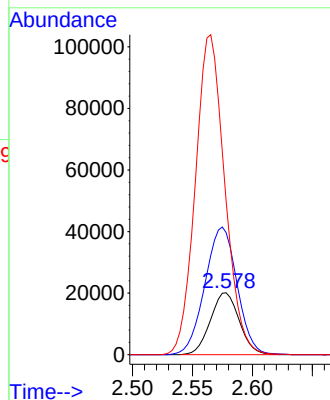
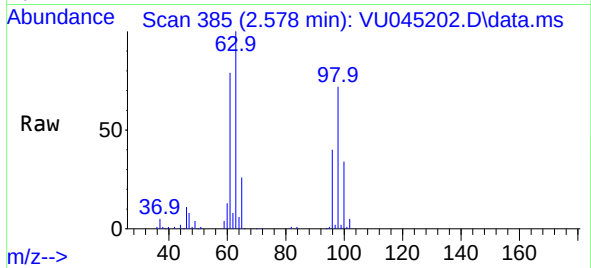




#12
1,1-Dichloroethene
Concen: 14.364 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

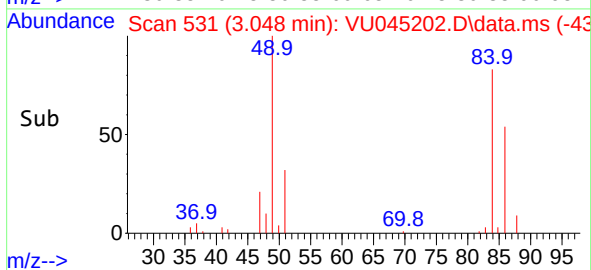
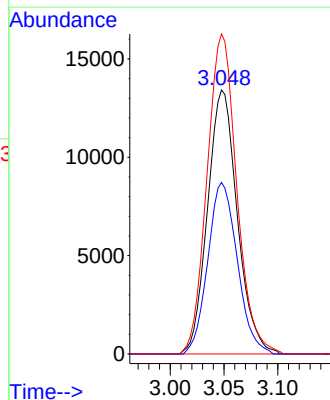
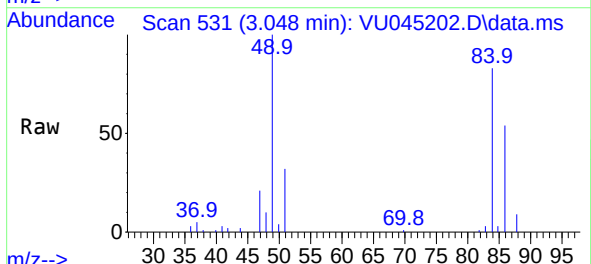
Instrument :
MSVOA_U
ClientSampleId :
C0AK1

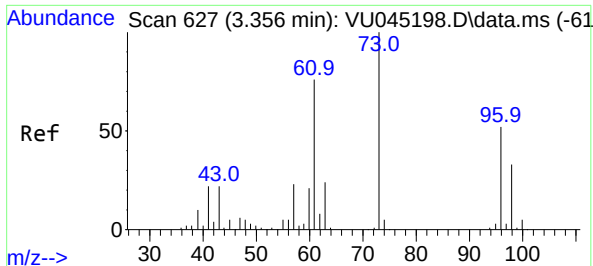
Tgt Ion: 96 Resp: 33690
Ion Ratio Lower Upper
96 100
61 197.2 131.3 243.9
63 248.3 102.5 190.3#



#16
Methylene chloride
Concen: 8.709 ug/L
RT: 3.048 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

Tgt Ion: 84 Resp: 25880
Ion Ratio Lower Upper
84 100
86 64.9 44.7 83.1
49 121.2 92.9 172.5

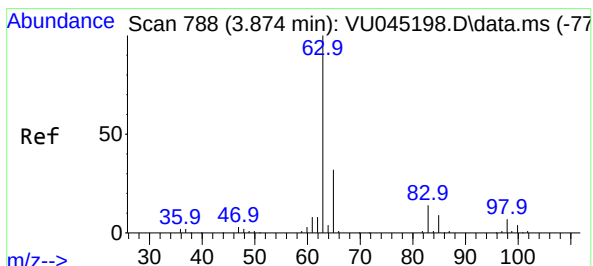
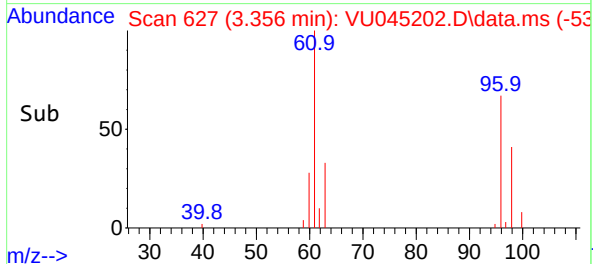
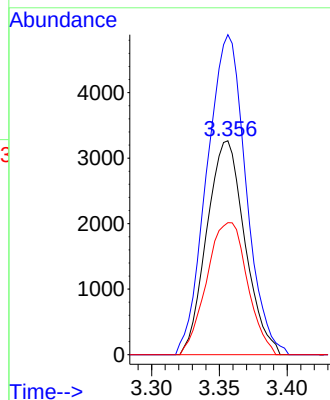
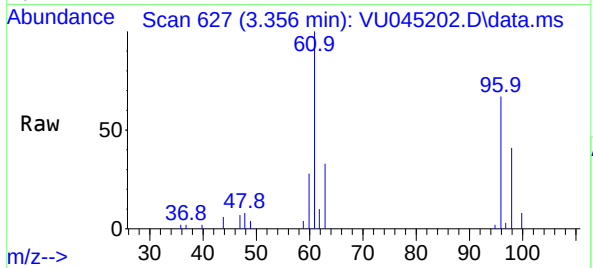




#17
trans-1,2-Dichloroethene
Concen: 2.580 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

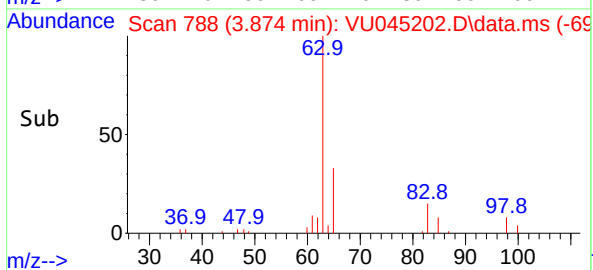
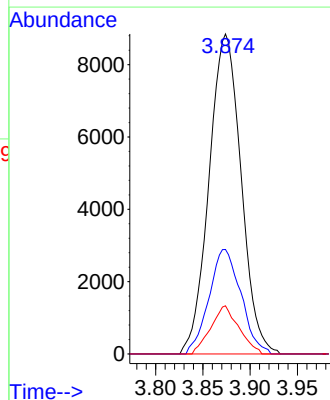
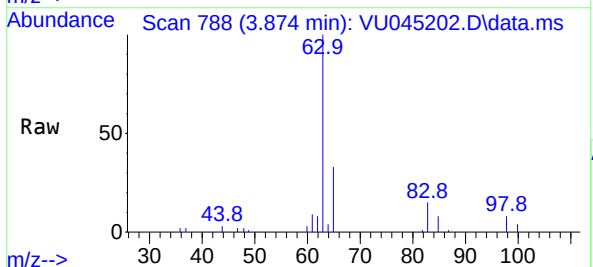
Instrument :
MSVOA_U
ClientSampleId :
C0AK1

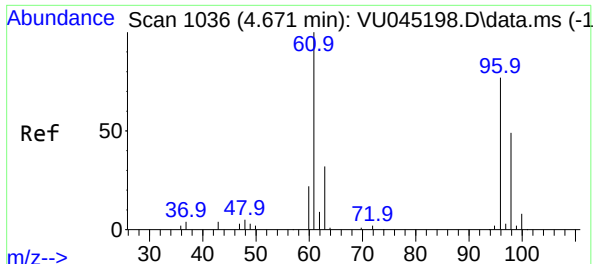
Tgt Ion: 96 Resp: 6374
Ion Ratio Lower Upper
96 100
61 149.6 105.1 195.3
98 61.7 43.0 79.8



#19
1,1-Dichloroethane
Concen: 4.056 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.000 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

Tgt Ion: 63 Resp: 20848
Ion Ratio Lower Upper
63 100
65 32.7 22.0 40.8
83 15.1 9.0 16.6

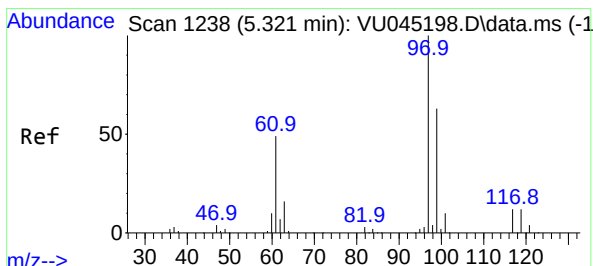
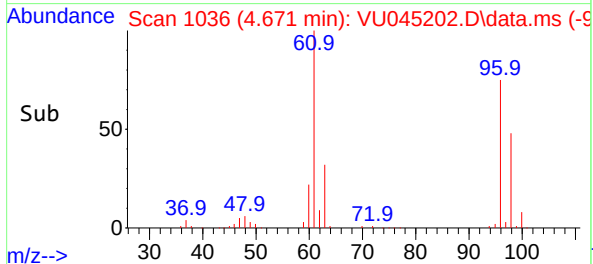
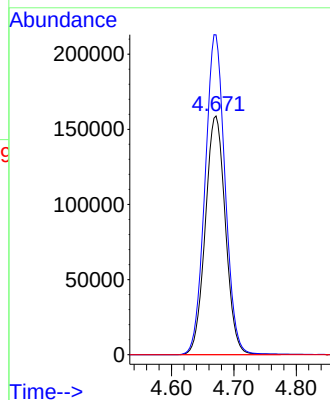
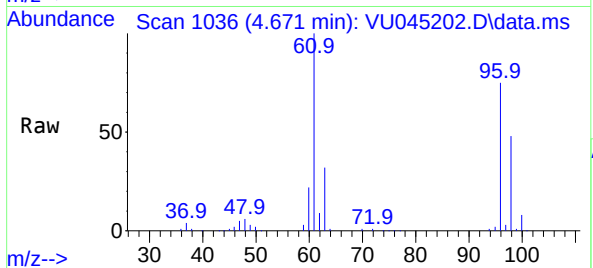




#20
cis-1,2-Dichloroethene
Concen: 130.824 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

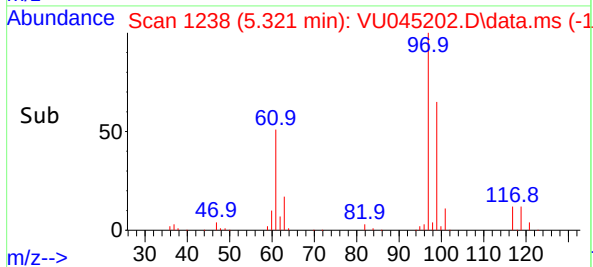
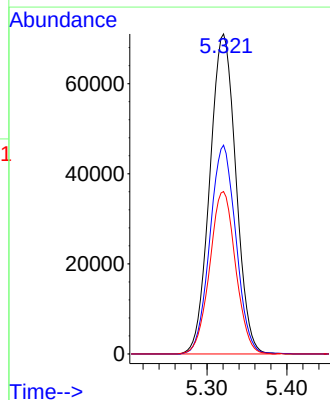
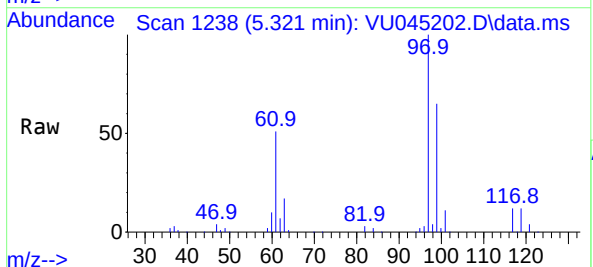
Instrument :
MSVOA_U
ClientSampled :
C0AK1

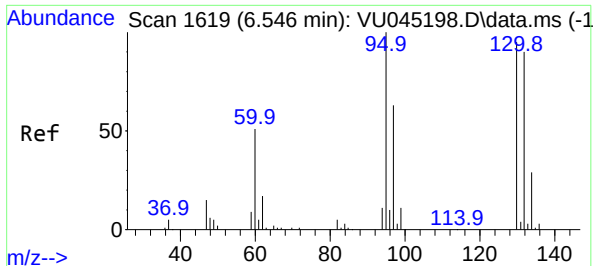
Tgt Ion: 96 Resp: 356180
Ion Ratio Lower Upper
96 100
61 134.0 100.2 186.0
68 0.0 0.0 0.0



#30
1,1,1-Trichloroethane
Concen: 40.443 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

Tgt Ion: 97 Resp: 160895
Ion Ratio Lower Upper
97 100
99 65.0 50.6 75.8
61 50.5 41.3 61.9

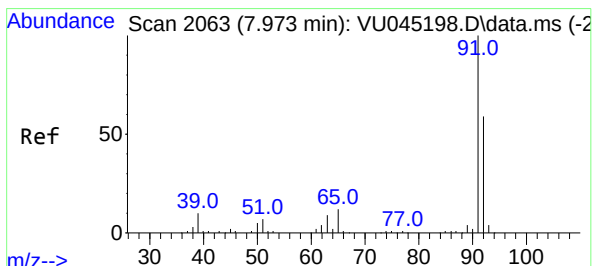
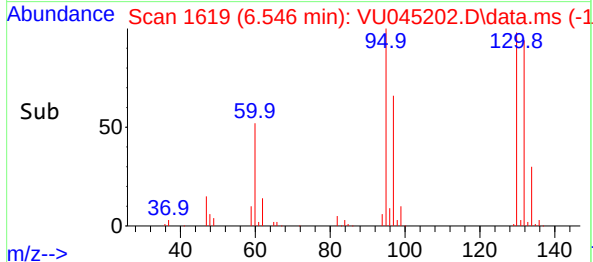
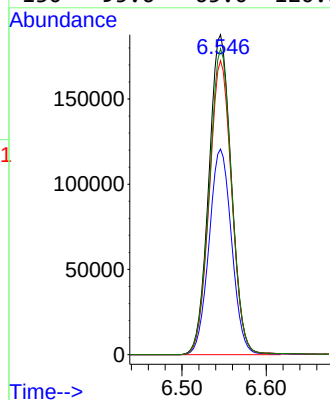
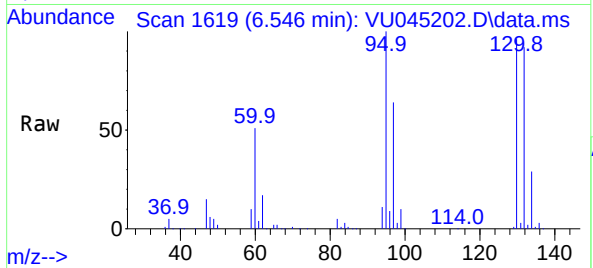




#34
Trichloroethene
Concen: 136.309 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

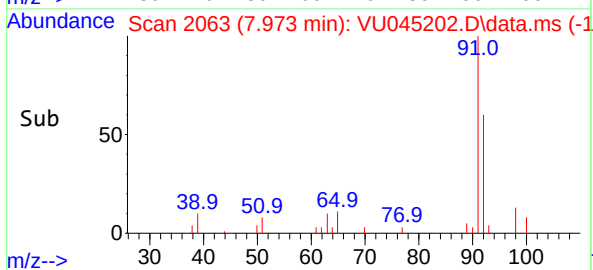
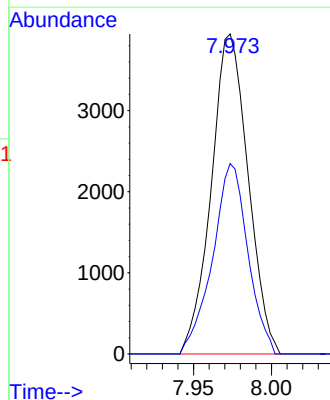
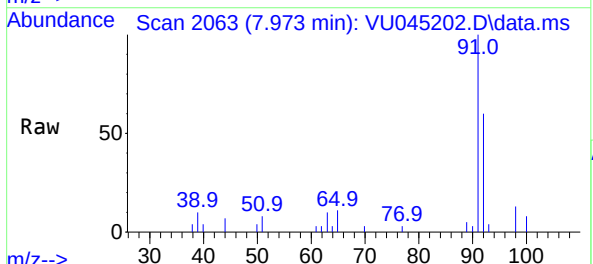
Instrument :
MSVOA_U
ClientSampleId :
C0AK1

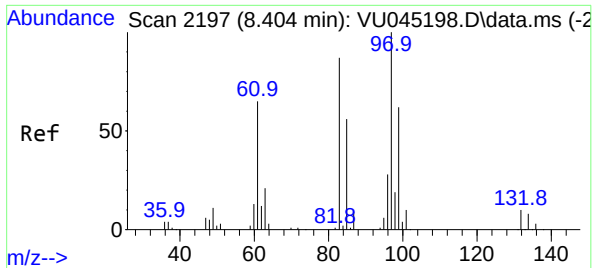
Tgt Ion: 95 Resp: 348989
Ion Ratio Lower Upper
95 100
97 64.3 44.4 82.4
132 91.9 62.9 116.9
130 95.6 65.0 120.8



#42
Toluene
Concen: 0.598 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

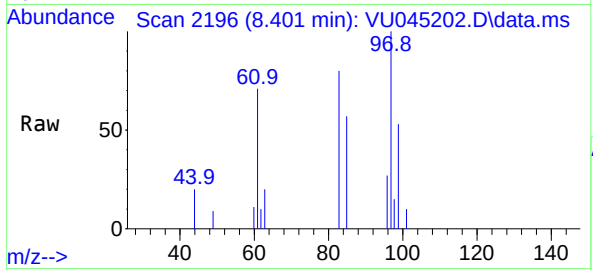
Tgt Ion: 91 Resp: 6481
Ion Ratio Lower Upper
91 100
92 59.5 40.5 75.1





#45
 1,1,2-Trichloroethane
 Concen: 0.673 ug/L
 RT: 8.401 min Scan# 2196
 Delta R.T. -0.003 min
 Lab File: VU045202.D
 Acq: 07 Oct 2021 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion: 97 Resp: 1769

Ion	Ratio	Lower	Upper
97	100		
99	46.1	43.7	81.1
83	69.8	61.9	115.1
85	49.6	40.7	75.5

