

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
 Data File : VU045163.D
 Acq On : 05 Oct 2021 22:46
 Operator : SY/MD
 Sample : M4023-13 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK2

Quant Time: Oct 06 04:38:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 06 01:40:56 2021
 Response via : Initial Calibration

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

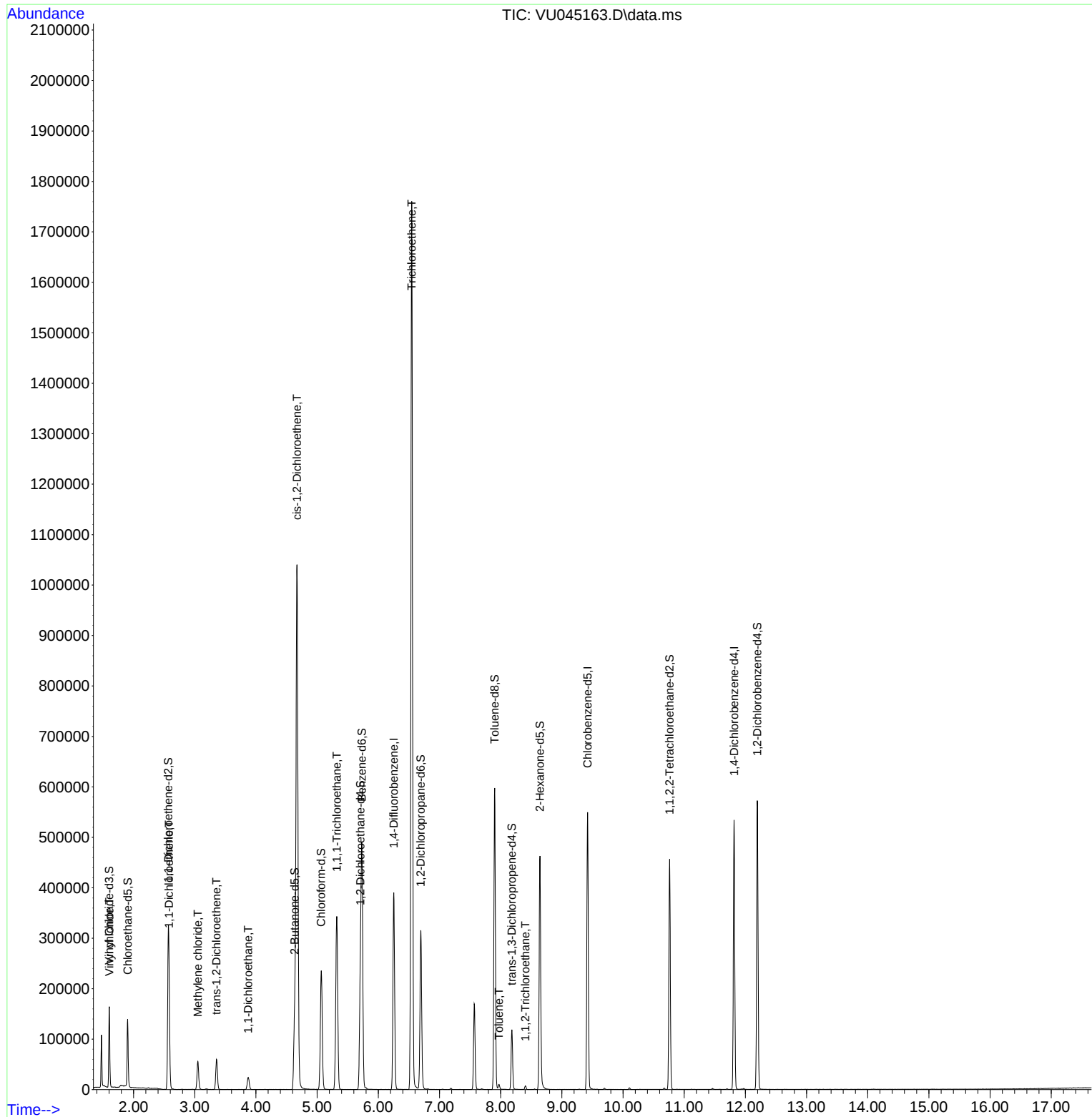
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	304459	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	285997	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	128944	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	107436	32.23	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	64.46%		
7) Chloroethane-d5	1.903	69	88592	33.54	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	67.08%#		
11) 1,1-Dichloroethene-d2	2.568	63	180085	32.17	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.34%		
21) 2-Butanone-d5	4.633	46	237267	90.05	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.05%		
24) Chloroform-d	5.067	84	212572	40.38	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.76%		
26) 1,2-Dichloroethane-d4	5.706	65	151941	42.61	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.22%		
32) Benzene-d6	5.732	84	438187	44.15	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.30%		
36) 1,2-Dichloropropane-d6	6.694	67	139887	43.23	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.46%		
41) Toluene-d8	7.903	98	379807	44.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.70%		
43) trans-1,3-Dichloroprop...	8.182	79	64537	44.84	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.68%		
47) 2-Hexanone-d5	8.642	63	165968	92.55	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.55%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	224753	44.60	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.20%		
66) 1,2-Dichlorobenzene-d4	12.195	152	137097	48.86	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.72%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	5306	1.49	ug/L #	26
12) 1,1-Dichloroethene	2.581	96	36798	15.61	ug/L #	61
16) Methylene chloride	3.051	84	27101	9.07	ug/L	92
17) trans-1,2-Dichloroethene	3.356	96	24239	9.76	ug/L	93
19) 1,1-Dichloroethane	3.874	63	28435	5.50	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	520528	190.20	ug/L	92
30) 1,1,1-Trichloroethane	5.321	97	241811	61.08	ug/L	99
34) Trichloroethene	6.546	95	596530	234.13	ug/L	100
42) Toluene	7.973	91	6495	0.60	ug/L	95
45) 1,1,2-Trichloroethane	8.404	97	2299	0.88	ug/L	89

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

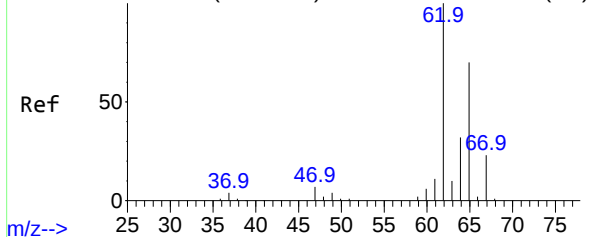
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
Data File : VU045163.D
Acq On : 05 Oct 2021 22:46
Operator : SY/MD
Sample : M4023-13 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
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Response via : Initial Calibration



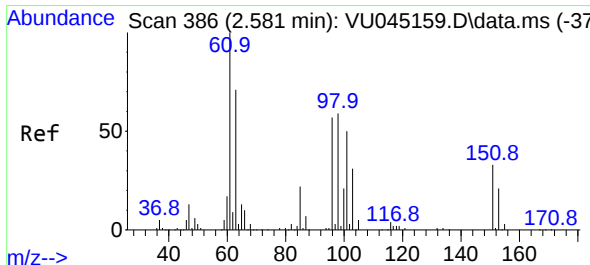
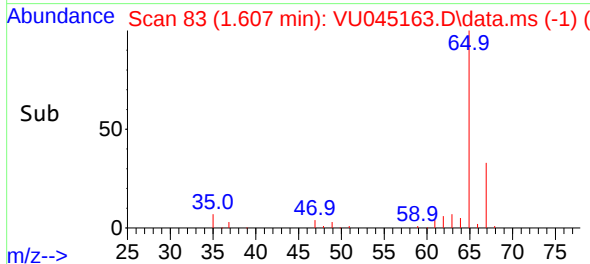
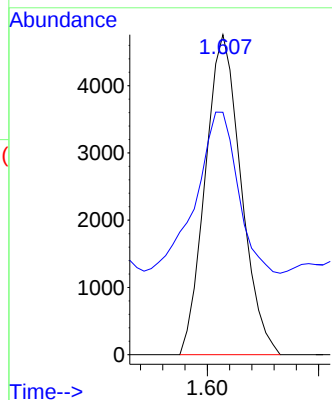
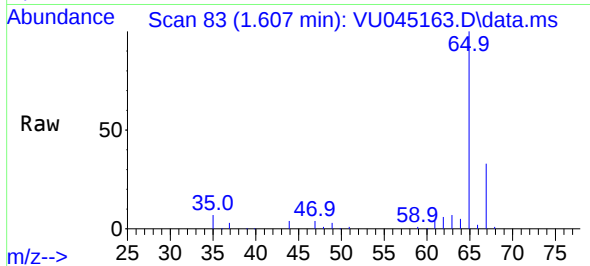
Abundance Scan 83 (1.607 min): VU045159.D\data.ms (-74)



#5
Vinyl chloride
Concen: 1.49 ug/L
RT: 1.607 min Scan# 83
Delta R.T. 0.000 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

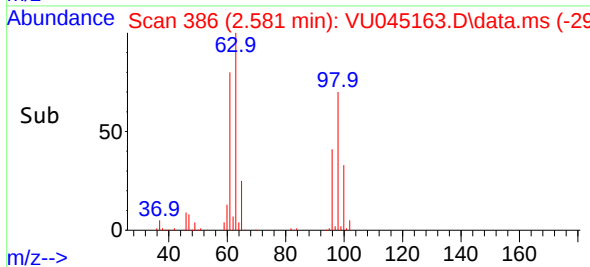
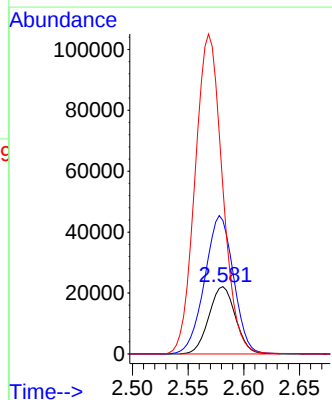
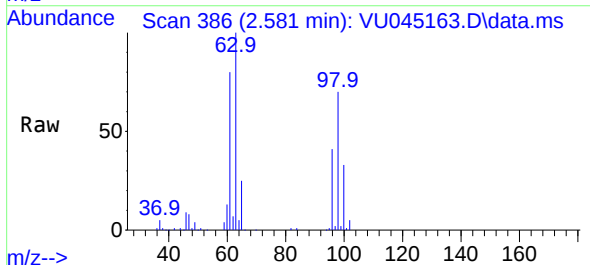
Tgt Ion: 62 Resp: 5306
Ion Ratio Lower Upper
62 100
64 75.8 23.4 43.6#

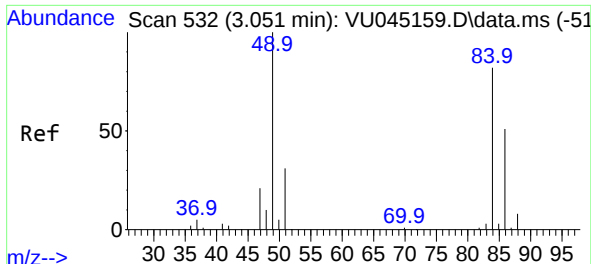
Instrument :
MSVOA_U
ClientSampleId :
C0AK2



#12
1,1-Dichloroethene
Concen: 15.61 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Tgt Ion: 96 Resp: 36798
Ion Ratio Lower Upper
96 100
61 198.3 131.3 243.9
63 246.7 102.5 190.3#

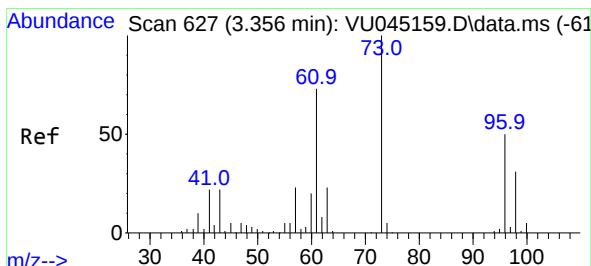
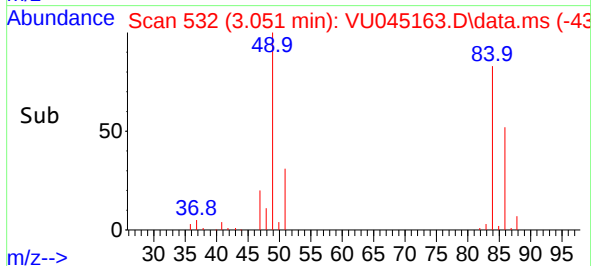
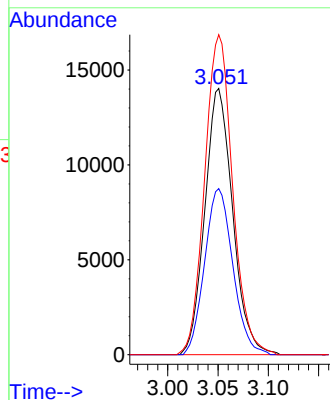
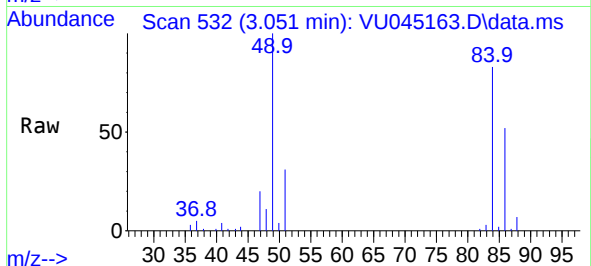




#16
Methylene chloride
Concen: 9.07 ug/L
RT: 3.051 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

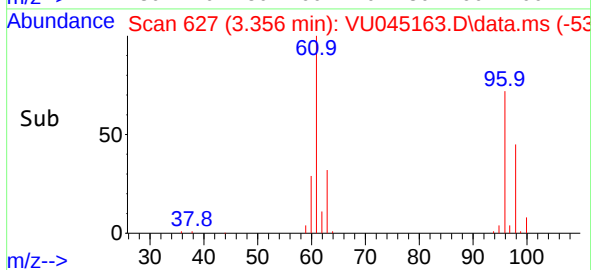
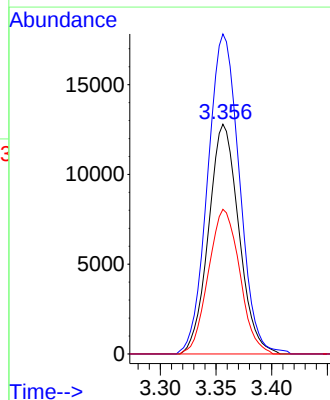
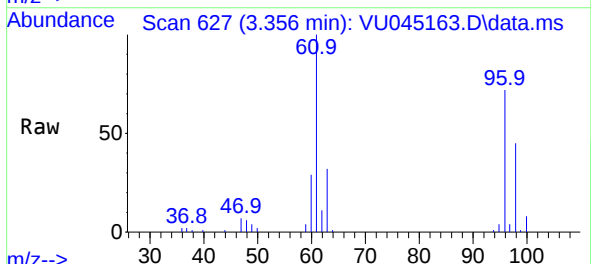
Instrument :
MSVOA_U
ClientSampleId :
C0AK2

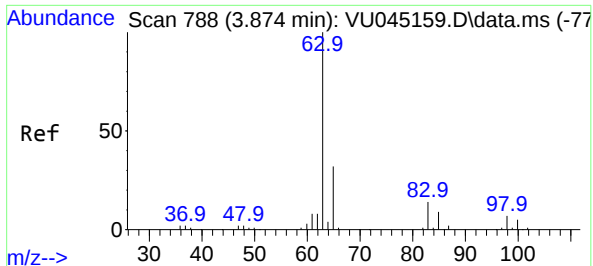
Tgt Ion: 84 Resp: 27101
Ion Ratio Lower Upper
84 100
86 62.4 44.7 83.1
49 120.2 92.9 172.5



#17
trans-1,2-Dichloroethene
Concen: 9.76 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Tgt Ion: 96 Resp: 24239
Ion Ratio Lower Upper
96 100
61 139.2 105.1 195.3
98 62.9 43.0 79.8



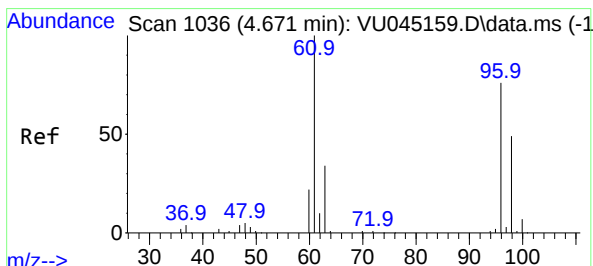
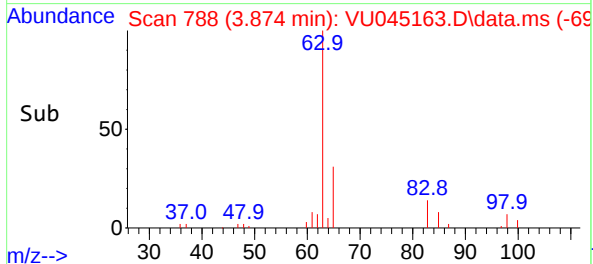
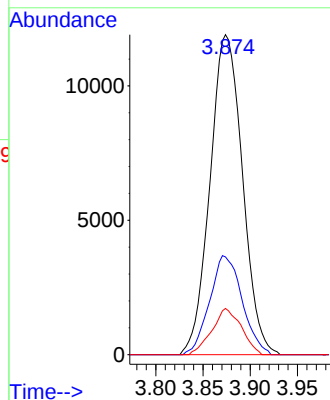
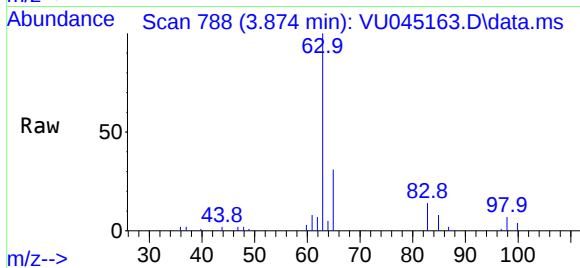


#19
1,1-Dichloroethane
Concen: 5.50 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Instrument :
MSVOA_U
ClientSampleId :
C0AK2

Tgt Ion: 63 Resp: 28435

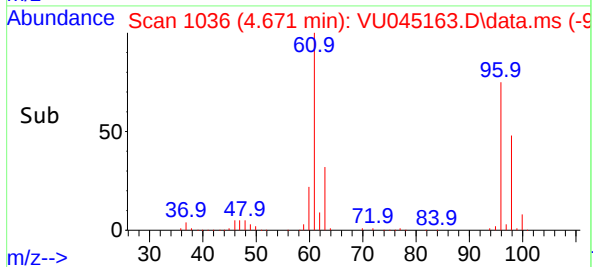
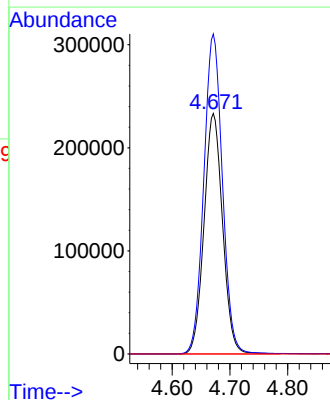
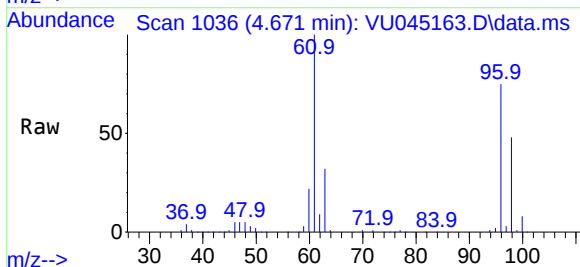
Ion	Ratio	Lower	Upper
63	100		
65	30.5	22.0	40.8
83	14.4	9.0	16.6

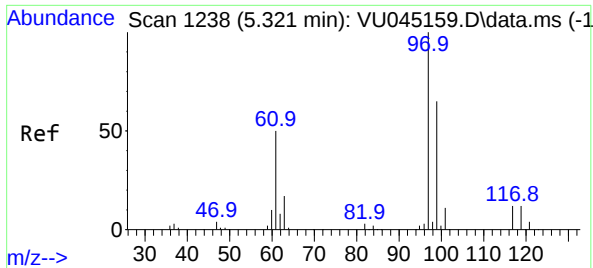


#20
cis-1,2-Dichloroethene
Concen: 190.20 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Tgt Ion: 96 Resp: 520528

Ion	Ratio	Lower	Upper
96	100		
61	133.1	100.2	186.0
68	0.0	0.0	0.0



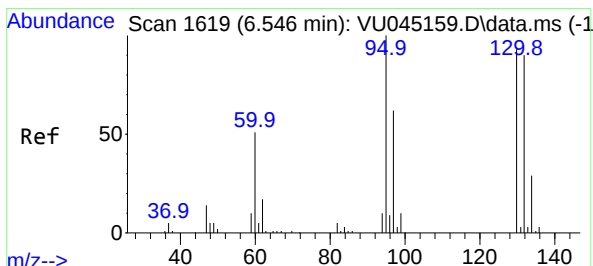
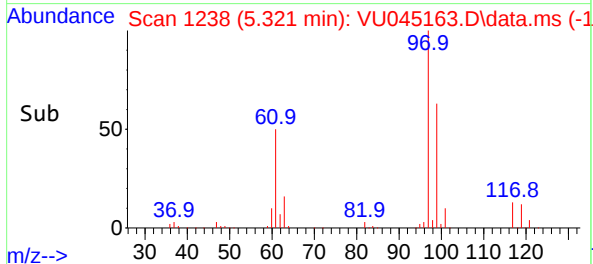
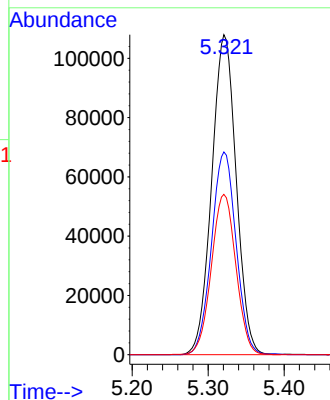
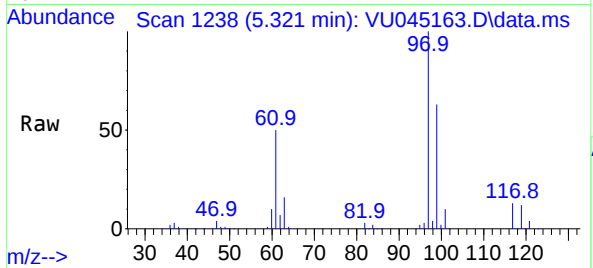


#30
1,1,1-Trichloroethane
Concen: 61.08 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Instrument :
MSVOA_U
ClientSampleId :
C0AK2

Tgt Ion: 97 Resp: 241811

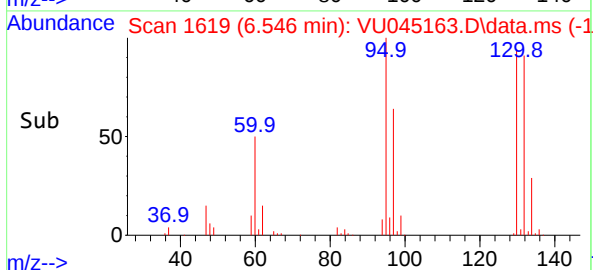
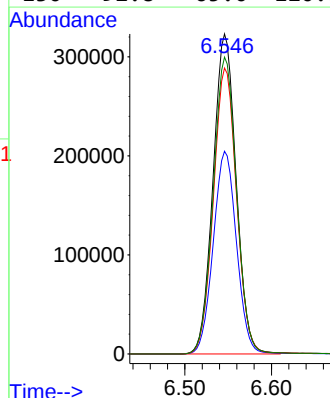
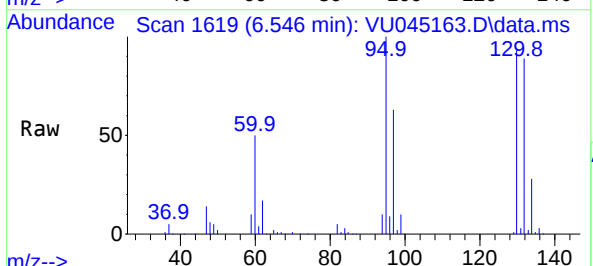
Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	75.8
61	50.2	41.3	61.9

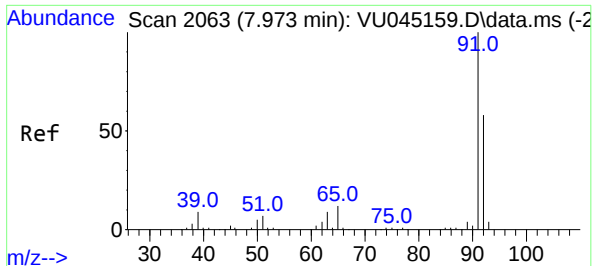


#34
Trichloroethene
Concen: 234.13 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Tgt Ion: 95 Resp: 596530

Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.4	82.4
132	89.3	62.9	116.9
130	92.8	65.0	120.8

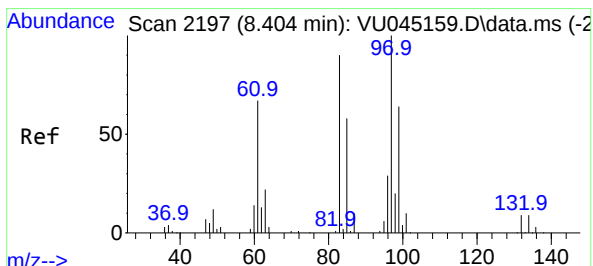
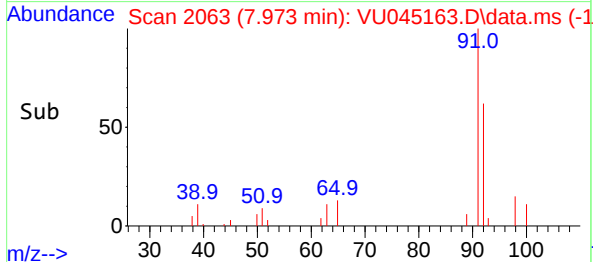
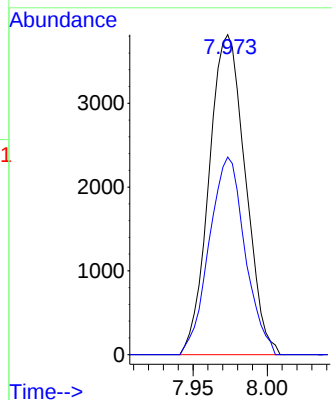
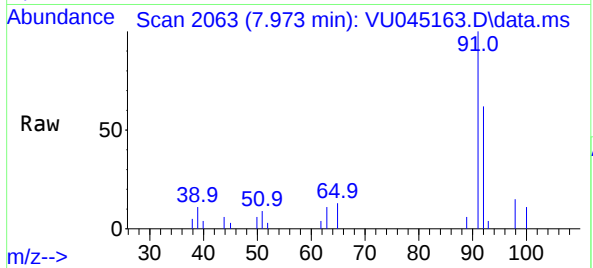




#42
Toluene
Concen: 0.60 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Instrument :
MSVOA_U
ClientSampleId :
C0AK2

Tgt Ion: 91 Resp: 6495
Ion Ratio Lower Upper
91 100
92 61.8 40.5 75.1



#45
1,1,2-Trichloroethane
Concen: 0.88 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Tgt Ion: 97 Resp: 2299
Ion Ratio Lower Upper
97 100
99 73.6 43.7 81.1
83 98.5 61.9 115.1
85 63.3 40.7 75.5

