

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	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	285997	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	128944	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	107436	32.235	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	64.460%	
7) Chloroethane-d5	1.903	69	88592	33.543	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	67.080%#	
11) 1,1-Dichloroethene-d2	2.568	63	180085	32.174	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	64.340%	
21) 2-Butanone-d5	4.633	46	237267	90.047	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	90.050%	
24) Chloroform-d	5.067	84	212572	40.382	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	80.760%	
26) 1,2-Dichloroethane-d4	5.706	65	151941	42.613	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	85.220%	
32) Benzene-d6	5.732	84	438187	44.154	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	88.300%	
36) 1,2-Dichloropropane-d6	6.694	67	139887	43.230	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	86.460%	
41) Toluene-d8	7.903	98	379807	44.348	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	88.700%	
43) trans-1,3-Dichloroprop...	8.182	79	64537	44.836	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	89.680%	
47) 2-Hexanone-d5	8.642	63	165968	92.552	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	92.550%	
56) 1,1,2,2-Tetrachloroeth...	10.761	84	224753	44.604	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	89.200%	
66) 1,2-Dichlorobenzene-d4	12.195	152	137097	48.855	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	97.720%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	5306	1.490	ug/L #	26
12) 1,1-Dichloroethene	2.581	96	36798	15.608	ug/L #	61
16) Methylene chloride	3.051	84	27101	9.073	ug/L	92
17) trans-1,2-Dichloroethene	3.356	96	24239	9.759	ug/L	93
19) 1,1-Dichloroethane	3.874	63	28435	5.503	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	520528	190.197	ug/L	92
30) 1,1,1-Trichloroethane	5.321	97	241811	61.079	ug/L	99
31) Carbon tetrachloride	5.321	117	30599	9.786	ug/L	99
34) Trichloroethene	6.546	95	596530	234.134	ug/L	100
35) Methylcyclohexane	6.697	83	33946	7.958	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	16659	5.768	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	4103	0.993	ug/L #	70
42) Toluene	7.973	91	6495	0.603	ug/L	95
44) trans-1,3-Dichloropropene	8.185	75	3051	0.776	ug/L	92
45) 1,1,2-Trichloroethane	8.404	97	2299	0.878	ug/L	89
48) 2-Hexanone	8.642	43	19218	4.492	ug/L #	68
60) 1,2,3-Trichloropropane	11.816	75	17387	4.875	ug/L #	68

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QLast Update : Wed Oct 06 01:40:56 2021
Response via : Initial Calibration

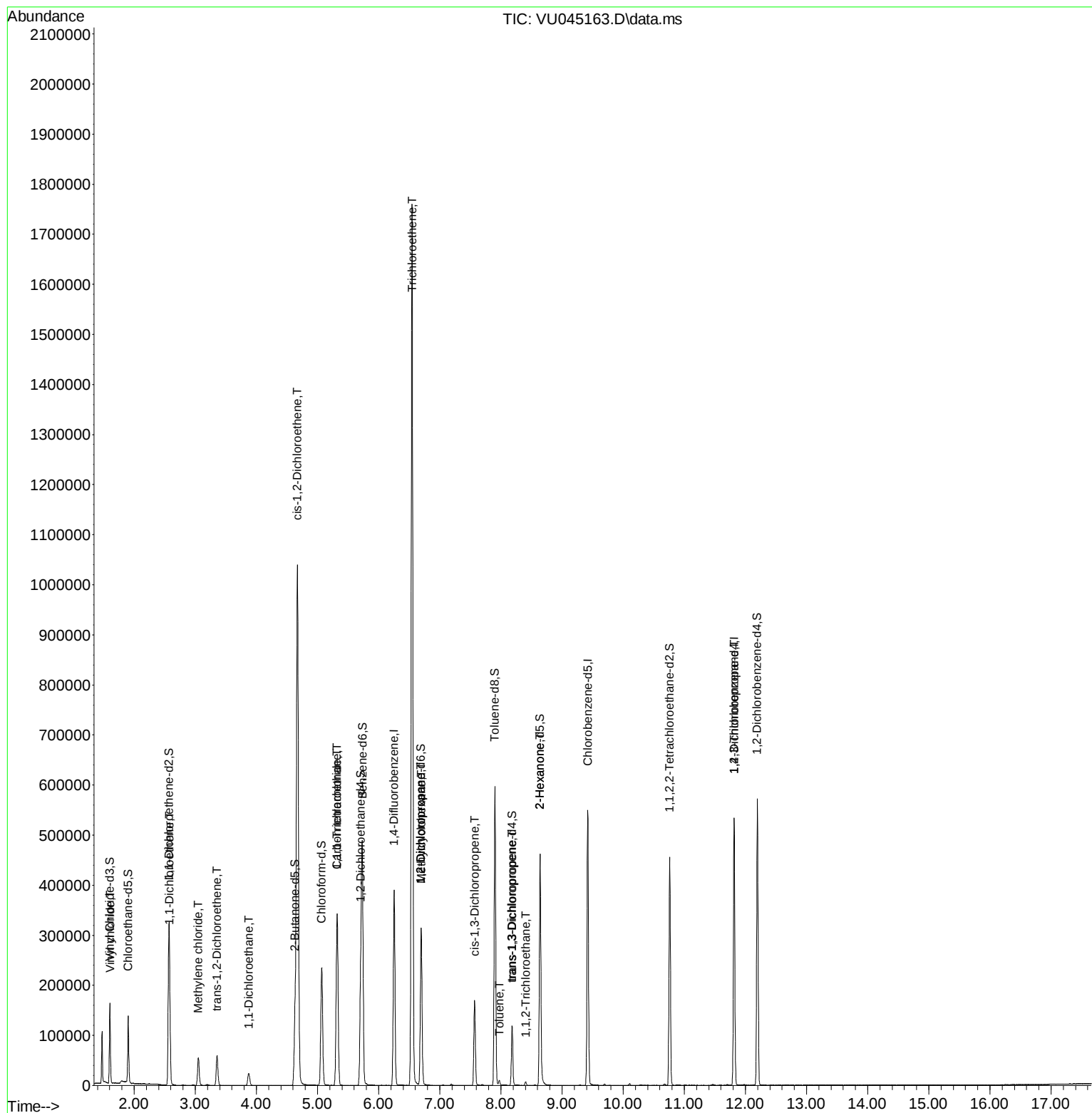
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

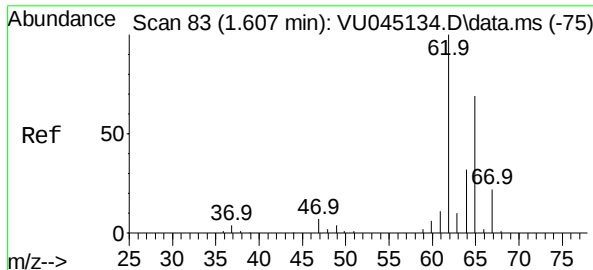
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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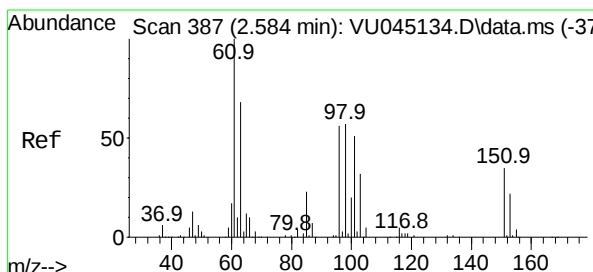
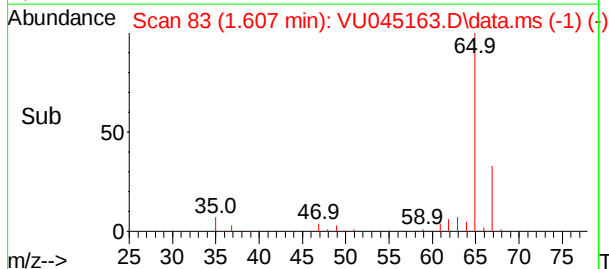
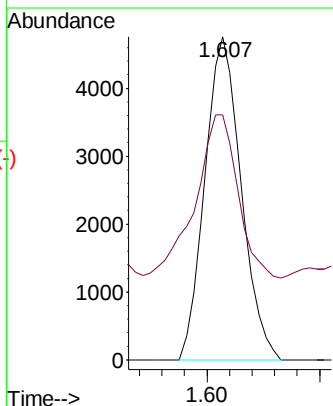
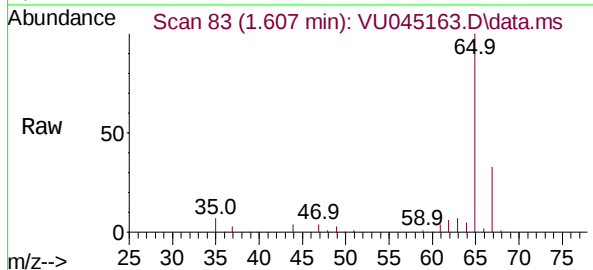




Vinyl chloride
 Concen: 1.490 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU045163.D
 Acq: 05 Oct 2021 22:46

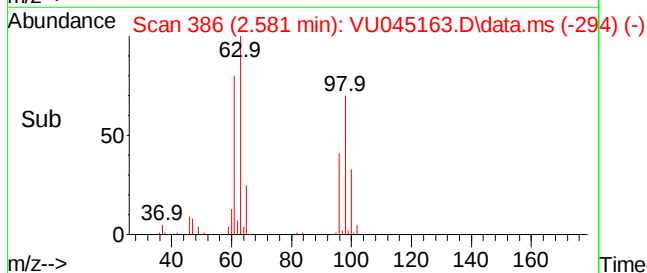
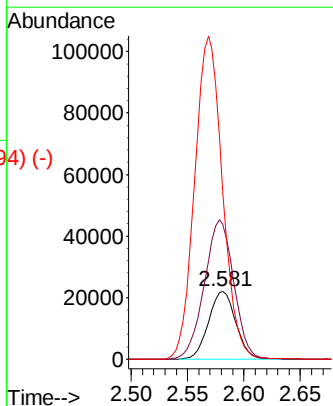
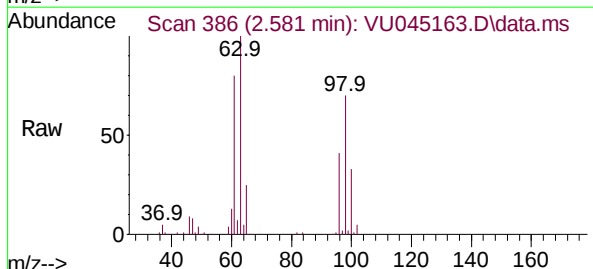
Instrument :
 MSVOA_U
 ClientSampled :
 C0AK2

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



1,1-Dichloroethene
 Concen: 15.608 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU045163.D
 Acq: 05 Oct 2021 22:46

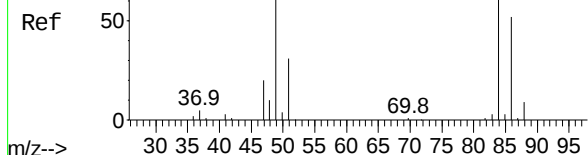
Tgt Ion: 96 Resp: 36798
 Ion Ratio Lower Upper
 96 100
 61 198.3 131.3 243.9
 63 246.7 102.5 190.3#



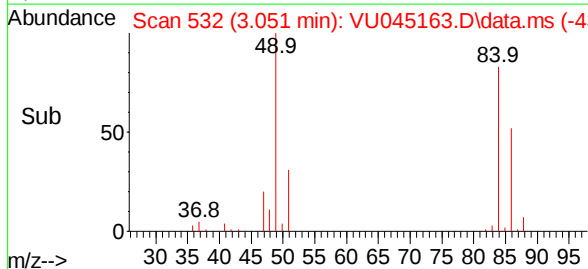
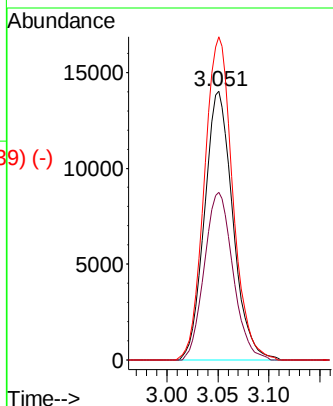
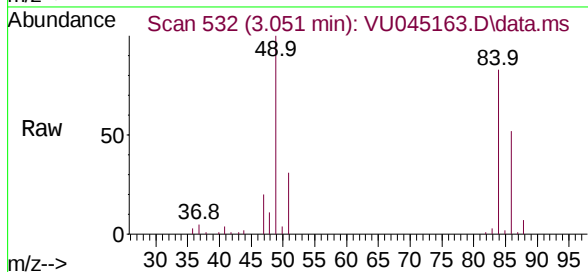
Abundance Scan 532 (3.051 min): VU045134.D\data.ms (-518) #16

Methylene chloride
Concen: 9.073 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
ClientSampled :
C0AK2

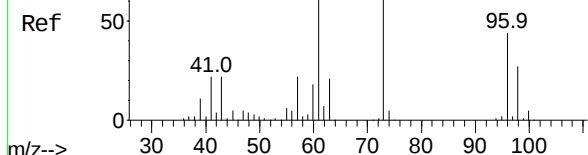


Tgt Ion:	84	Resp:	27101
Ion	Ratio	Lower	Upper
84	100		
86	62.4	44.7	83.1
49	120.2	92.9	172.5

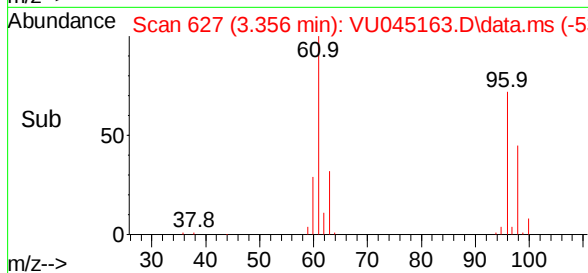
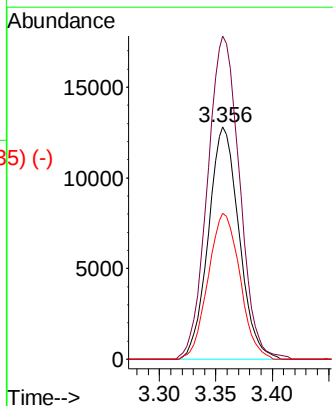
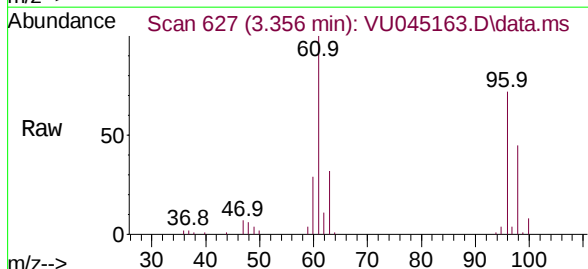


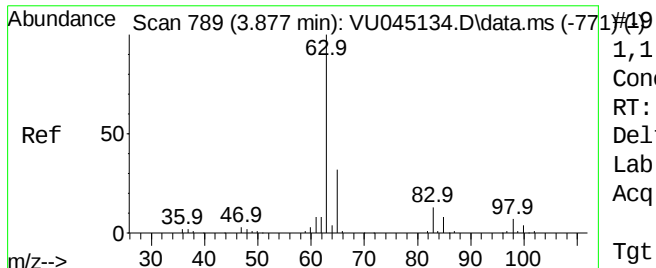
Abundance Scan 628 (3.359 min): VU045134.D\data.ms (-614) #17

trans-1,2-Dichloroethene
Concen: 9.759 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

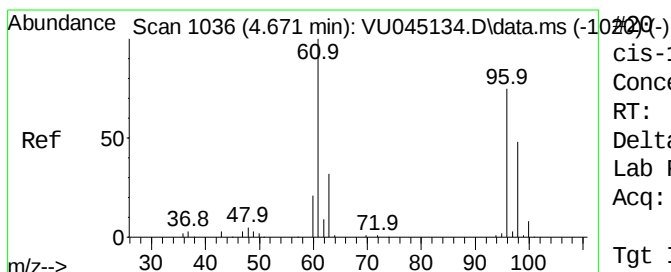
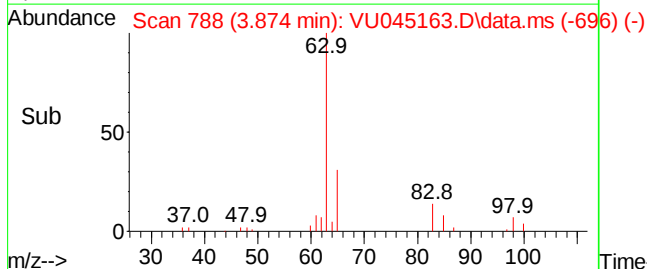
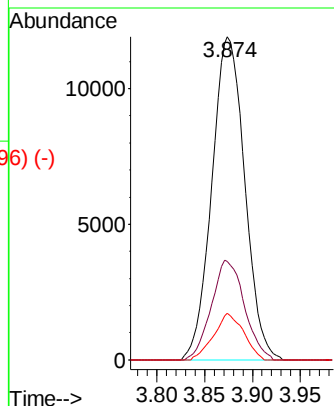
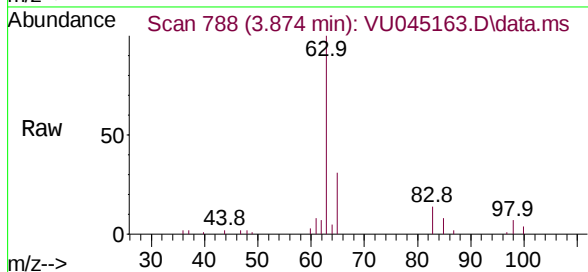




1,1-Dichloroethane
 Concen: 5.503 ug/L
 RT: 3.874 min Scan# 788
 Delta R.T. -0.003 min
 Lab File: VU045163.D
 Acq: 05 Oct 2021 22:46

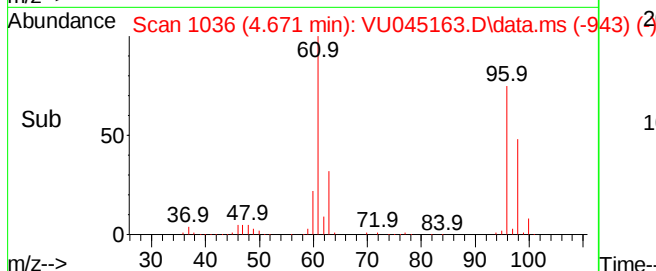
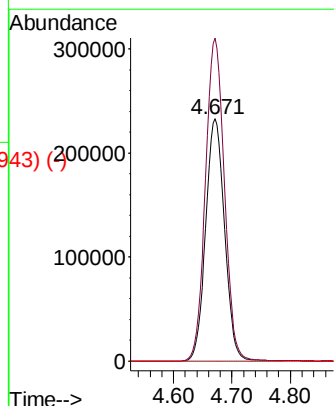
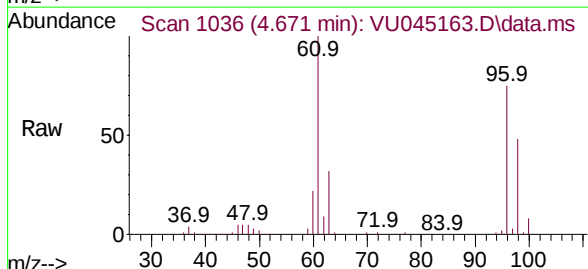
Instrument :
 MSVOA_U
 ClientSampled :
 C0AK2

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

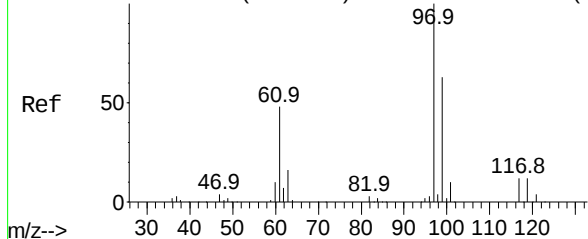


cis-1,2-Dichloroethene
 Concen: 190.197 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU045163.D
 Acq: 05 Oct 2021 22:46

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



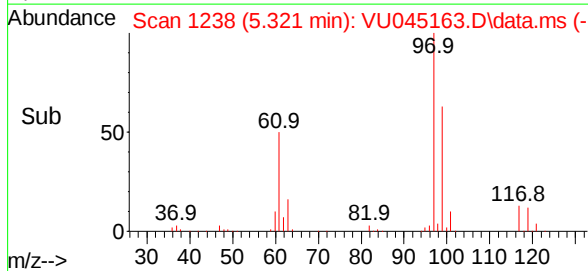
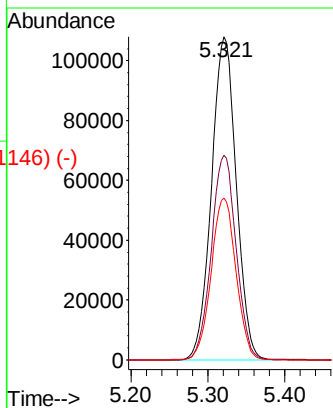
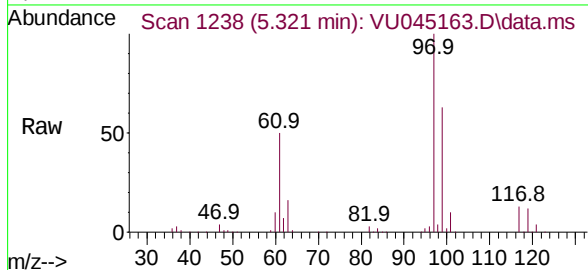
Abundance Scan 1239 (5.324 min): VU045134.D\data.ms (-1239) (-)



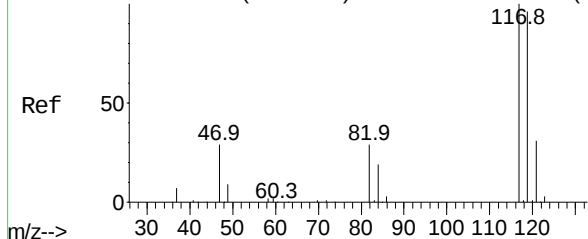
1,1,1-Trichloroethane
Concen: 61.079 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Instrument :
MSVOA_U
ClientSampled :
C0AK2

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

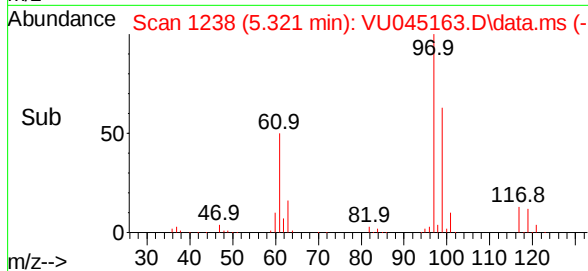
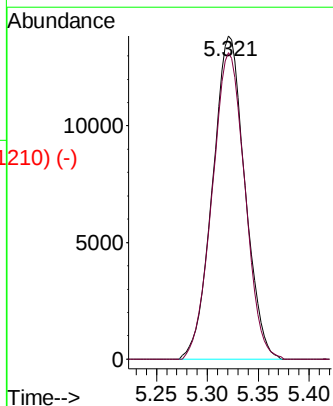
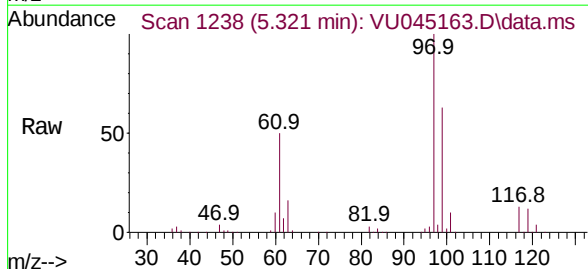


Abundance Scan 1303 (5.530 min): VU045134.D\data.ms (-1239) (-)

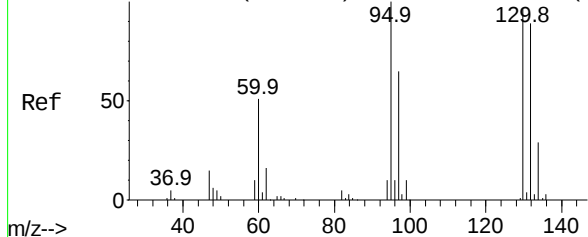


Carbon tetrachloride
Concen: 9.786 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.7	116.5

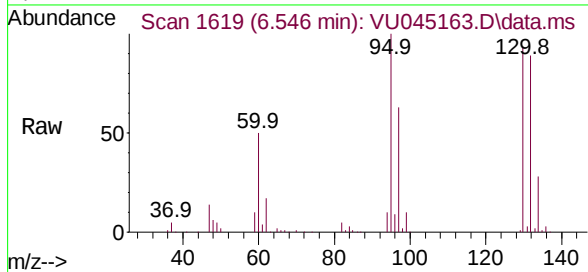


Abundance Scan 1619 (6.546 min): VU045134.D\data.ms (-16034)

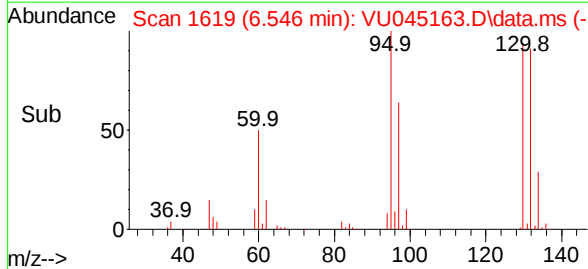
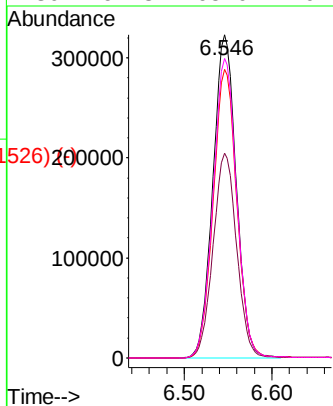


Trichloroethene
Concen: 234.134 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

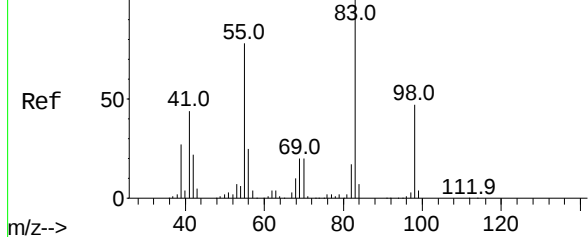
Instrument :
MSVOA_U
ClientSampleId :
C0AK2



Tgt 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

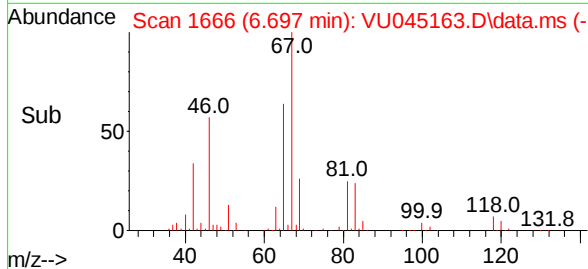
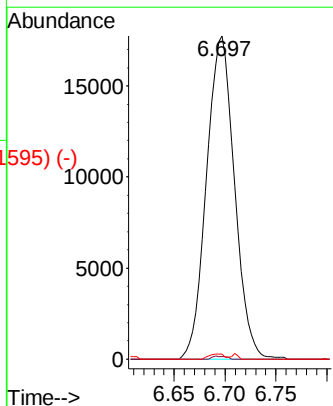
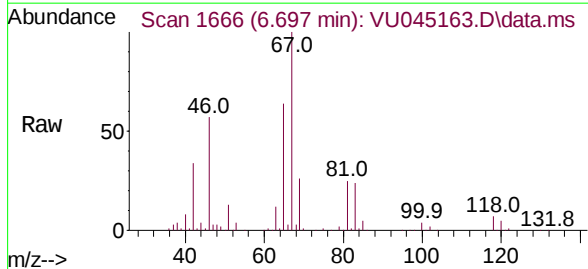


Abundance Scan 1666 (6.697 min): VU045134.D\data.ms (-16735)

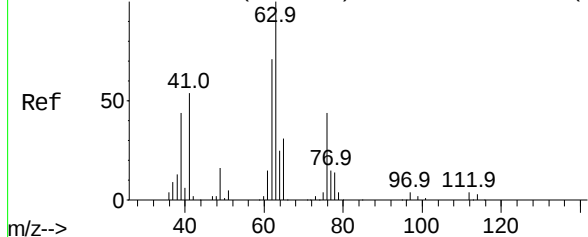


Methylcyclohexane
Concen: 7.958 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.071 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.4	65.8	98.6#
98	0.8	37.1	55.7#



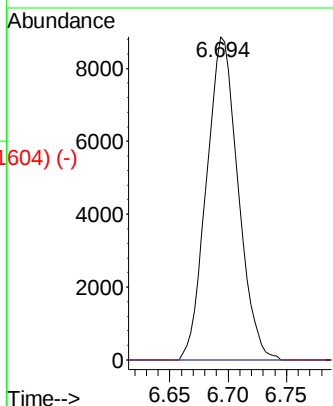
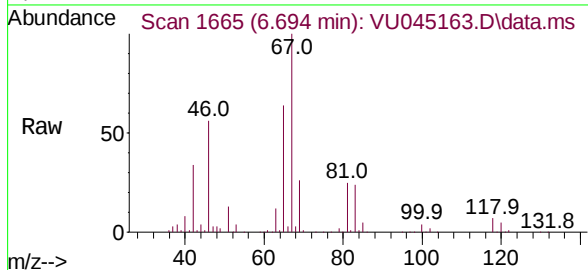
Abundance Scan 1697 (6.796 min): VU045134.D\data.ms (-16607-)



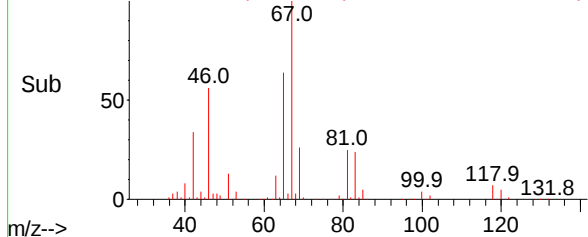
1,2-Dichloropropane
Concen: 5.768 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Instrument :
MSVOA_U
ClientSampled :
C0AK2

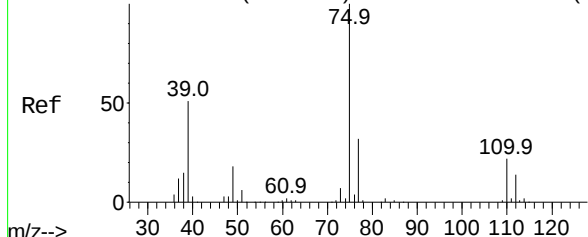
Tgt Ion: 63 Resp: 16659
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



Abundance Scan 1665 (6.694 min): VU045163.D\data.ms (-1604-)

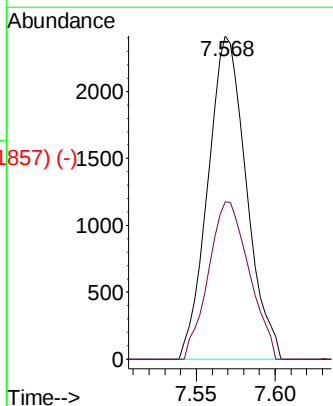
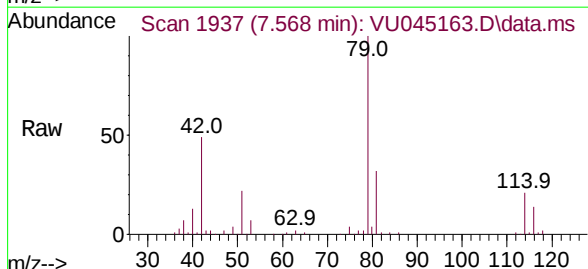


Abundance Scan 1950 (7.610 min): VU045134.D\data.ms (-19289-)

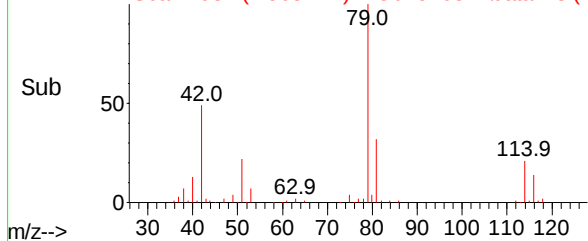


cis-1,3-Dichloropropene
Concen: 0.993 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

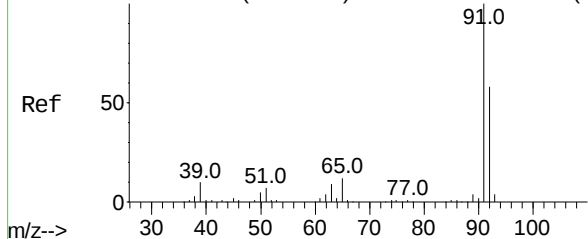
Tgt Ion: 75 Resp: 4103
Ion Ratio Lower Upper
75 100
77 48.7 22.4 41.6#



Abundance Scan 1937 (7.568 min): VU045163.D\data.ms (-1857-)



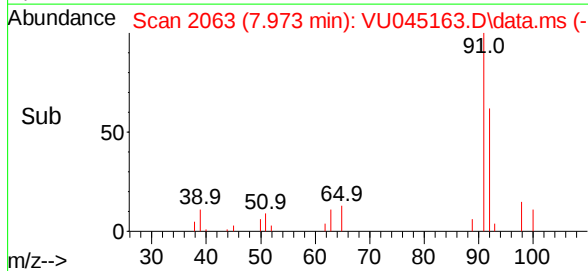
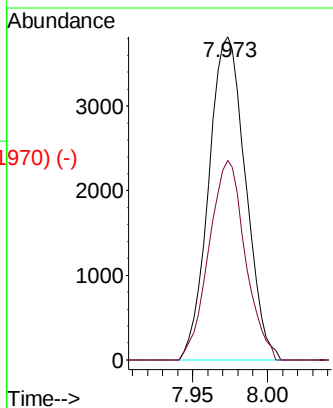
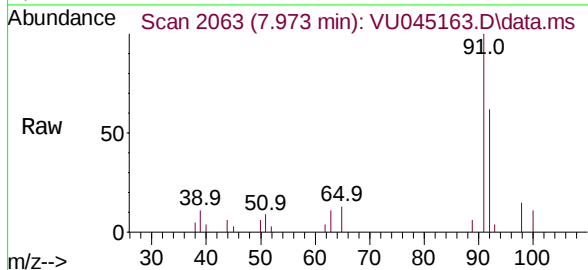
Abundance Scan 2063 (7.973 min): VU045134.D\data.ms (-20492-)



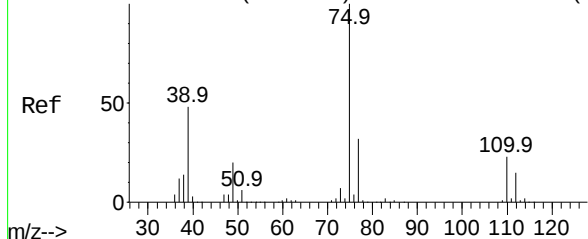
Toluene
Concen: 0.603 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Instrument :
MSVOA_U
ClientSampled :
C0AK2

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

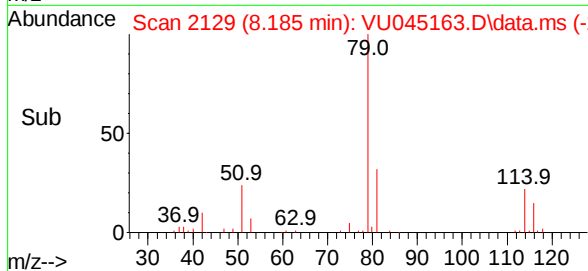
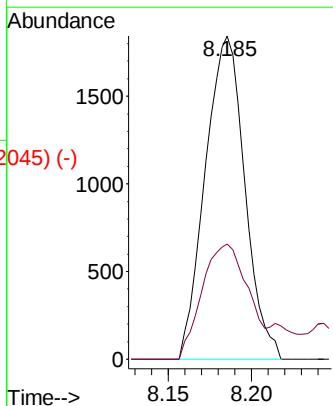
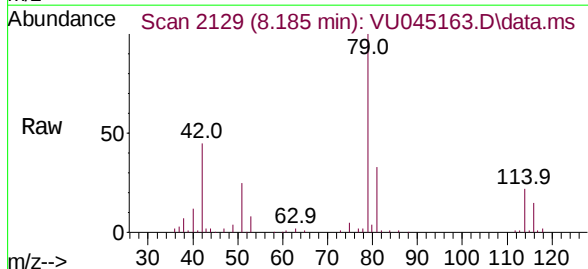


Abundance Scan 2129 (8.185 min): VU045134.D\data.ms (-21194-)

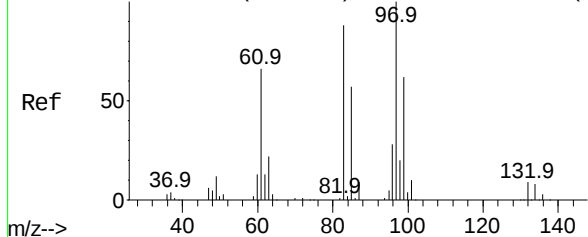


trans-1,3-Dichloropropene
Concen: 0.776 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Tgt Ion: 75 Resp: 3051
Ion Ratio Lower Upper
75 100
77 35.6 21.7 40.3

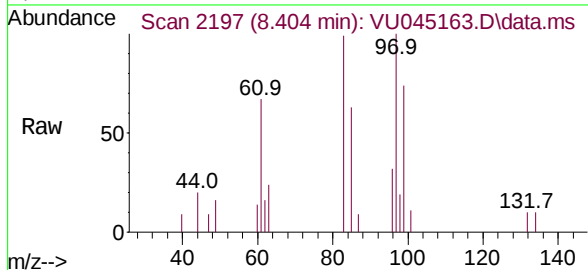


Abundance Scan 2197 (8.404 min): VU045134.D\data.ms (-2104) (-)

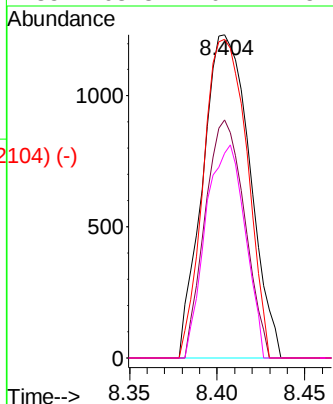
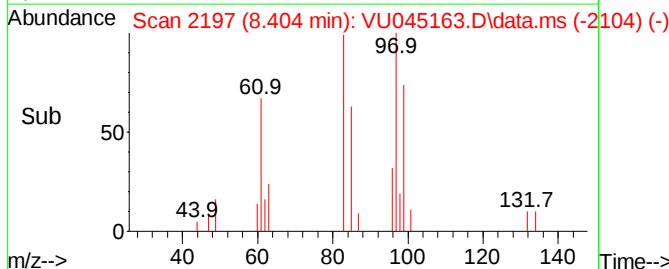


1,1,2-Trichloroethane
Concen: 0.878 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

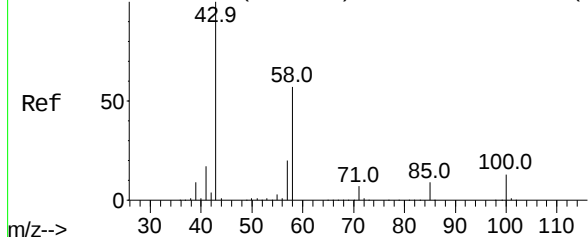
Instrument :
MSVOA_U
ClientSampled :
C0AK2



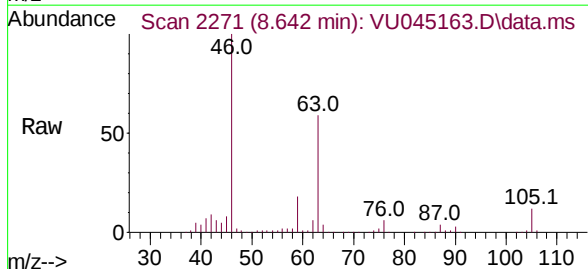
Tgt Ion	Ratio	Lower	Upper
97	100		
99	73.6	43.7	81.1
83	98.5	61.9	115.1
85	63.3	40.7	75.5



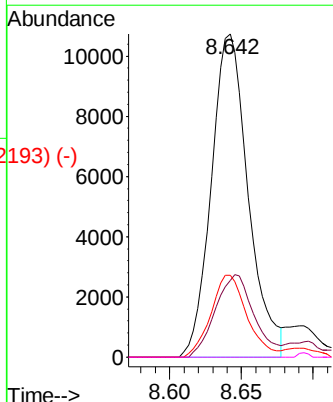
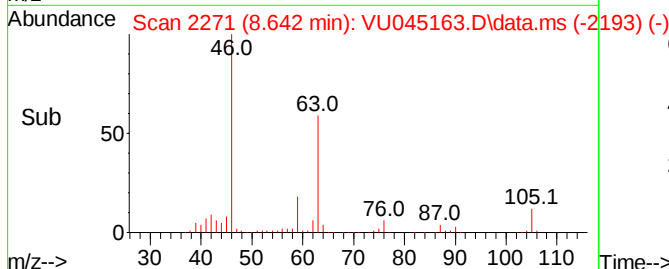
Abundance Scan 2286 (8.690 min): VU045134.D\data.ms (-2279) (-)



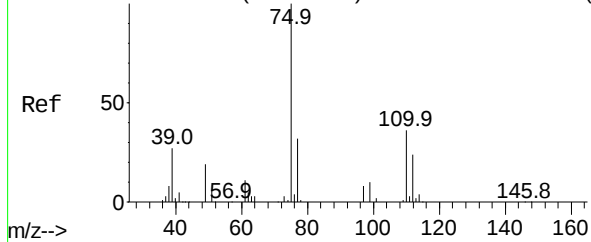
2-Hexanone
Concen: 4.492 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.048 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46



Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.8	44.9	67.3#
57	24.7	15.5	23.3#
100	0.7	9.4	14.0#



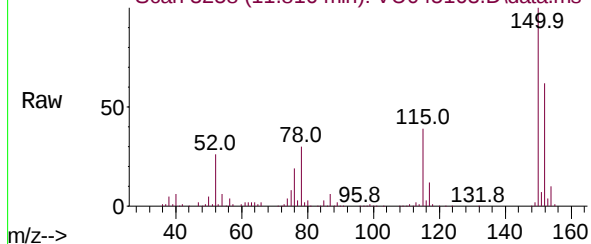
Abundance Scan 2950 (10.825 min): VU045134.D\data.ms (-2328) (-)



1,2,3-Trichloropropane
Concen: 4.875 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.990 min
Lab File: VU045163.D
Acq: 05 Oct 2021 22:46

Instrument :
MSVOA_U
ClientSampleId :
C0AK2

Abundance Scan 3258 (11.816 min): VU045163.D\data.ms



Tgt Ion:	75	Resp:	17387
Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.5	38.3
110	2.4	29.0	43.4#

Abundance Scan 3258 (11.816 min): VU045163.D\data.ms (-2328) (-)

