

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081219\
 Data File : VU033767.D
 Acq On : 12 Aug 2019 13:05
 Operator : JC/SP
 Sample : K4202-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 12 16:30:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 16:26:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	375685	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	373911	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	166408	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	147725	53.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.84%
7) Chloroethane-d5	1.67	69	120861	43.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.26	63	195420	42.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.06%
21) 2-Butanone-d5	4.15	46	181966	106.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.14%
24) Chloroform-d	4.62	84	229810	55.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.86%
26) 1,2-Dichloroethane-d4	5.29	65	149075	58.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.06%
32) Benzene-d6	5.32	84	470890	53.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.72%
36) 1,2-Dichloropropane-d6	6.31	67	150029	55.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.80%
41) Toluene-d8	7.55	98	409085	49.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.58%
43) trans-1,3-Dichloropropene-	7.83	79	66994	48.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.98%
47) 2-Hexanone-d5	8.29	63	127034	90.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.57%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	209755	52.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.72%
64) 1,2-Dichlorobenzene-d4	11.85	152	154900	55.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.62%

Target Compounds

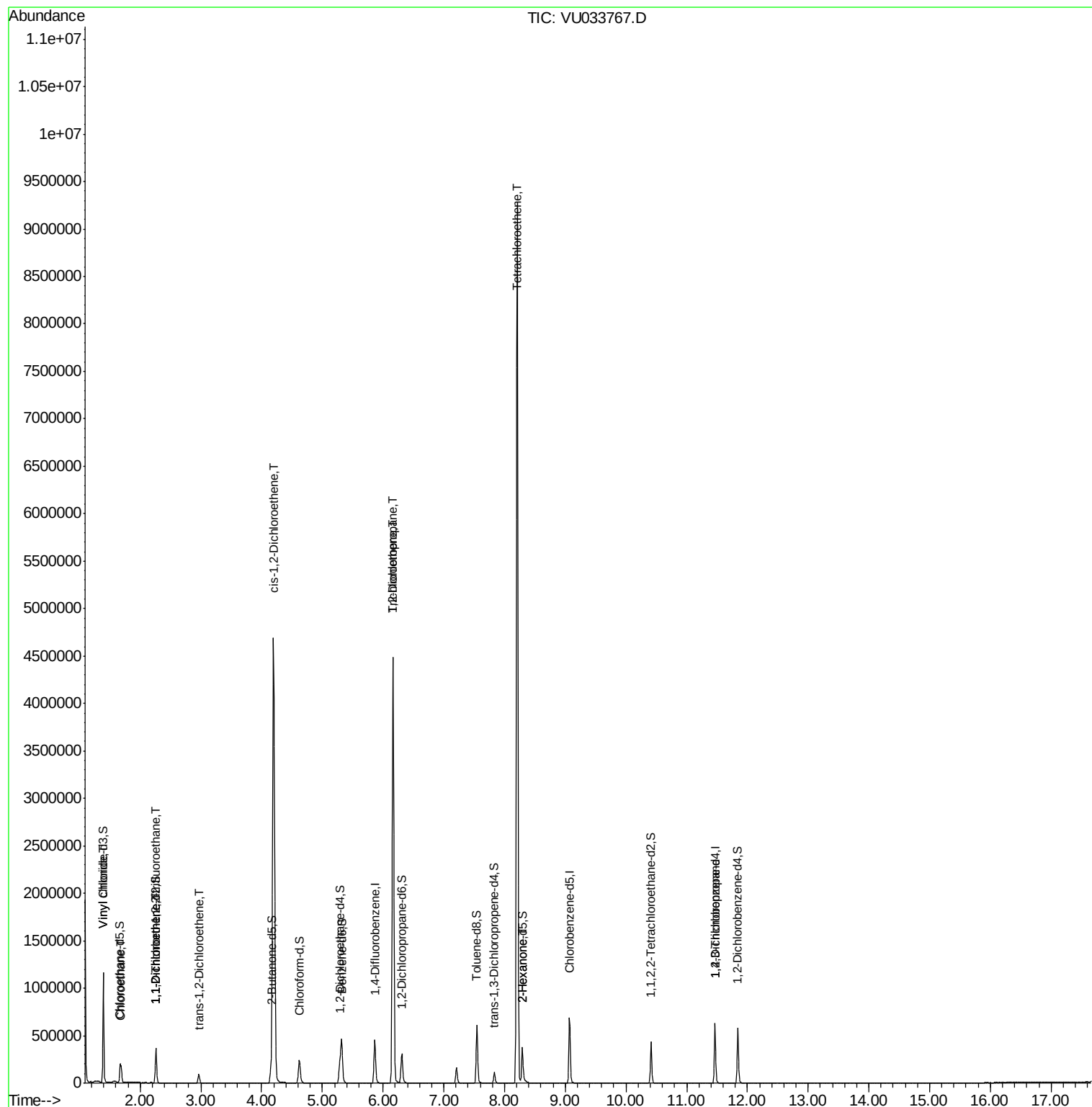
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	619151	195.777	ug/L	97
8) Chloroethane	1.69	64	95128	39.511	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2087	0.928	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	18248	8.260	ug/L #	1
17) trans-1,2-Dichloroethene	2.96	96	35127	14.836	ug/L	87
20) cis-1,2-Dichloroethene	4.20	96	2602064	963.478	ug/L	94
34) Trichloroethene	6.16	95	1504111	547.822	ug/L	95
37) 1,2-Dichloropropane	6.16	63	5703	2.054	ug/L	100
46) Tetrachloroethene	8.21	164	1961095	866.480	ug/L	95
48) 2-Hexanone	8.30	43	15457	4.753	ug/L #	62
59) 1,2,3-Trichloropropane	11.47	75	19791	5.272	ug/L	91

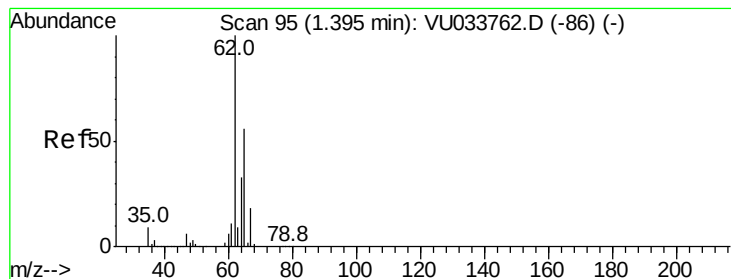
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 195.777 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033767.D

Acq: 12 Aug 2019 13:05

Instrument :

MSVOA_U

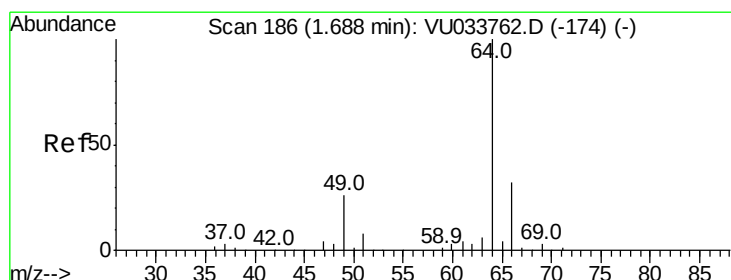
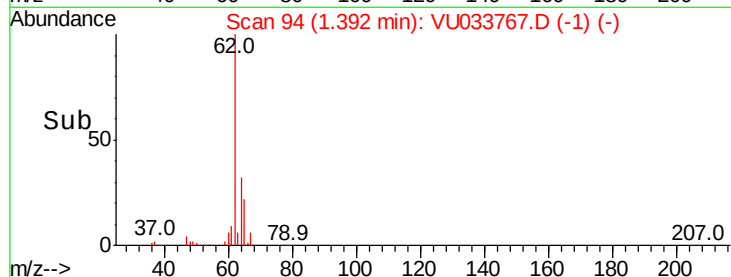
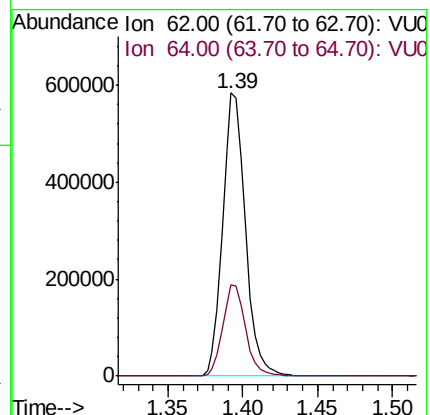
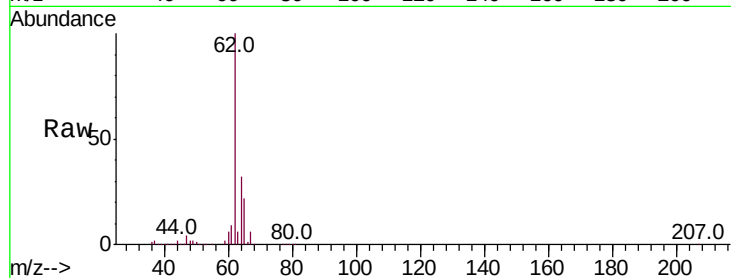
ClientSampled :

Tot Ion: 62 Resp: 619151

Ion Ratio Lower Upper

62 100

64 32.2 23.7 43.9



#8

Chloroethane

Concen: 39.511 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033767.D

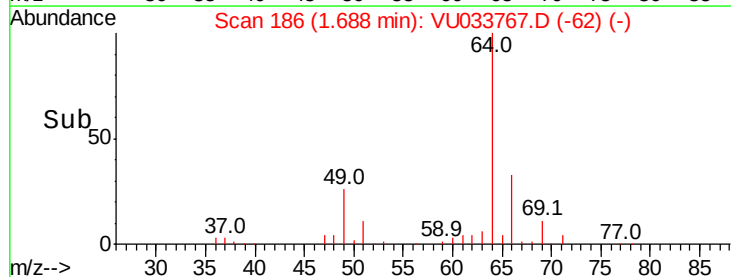
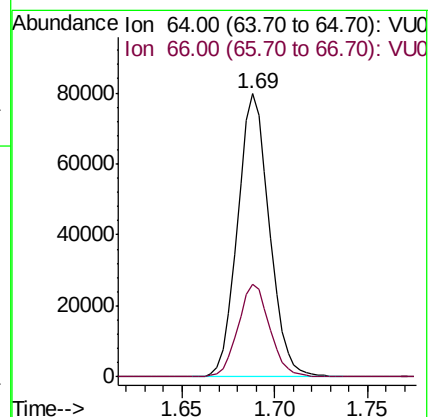
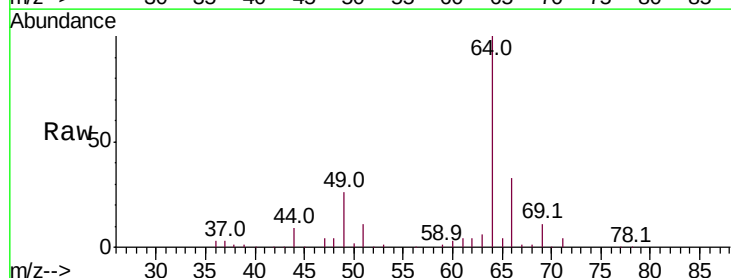
Acq: 12 Aug 2019 13:05

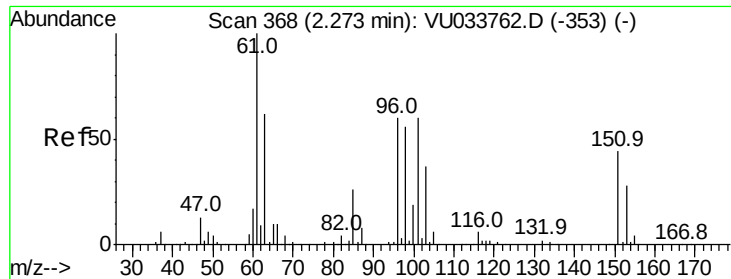
Tgt Ion: 64 Resp: 95128

Ion Ratio Lower Upper

64 100

66 32.7 22.0 41.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.928 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033767.D

Acq: 12 Aug 2019 13:05

Instrument :

MSVOA_U

ClientSampled :

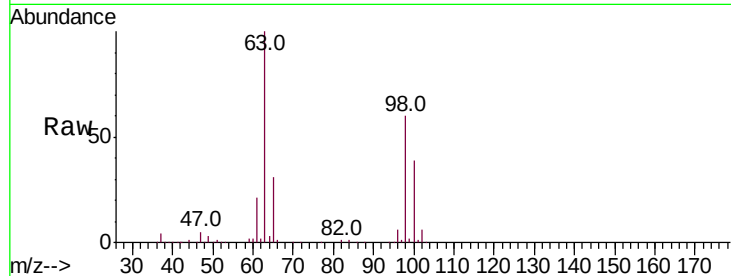
Tot Ion:101 Resp: 2087

Ion Ratio Lower Upper

101 100

85 0.0 34.5 51.7#

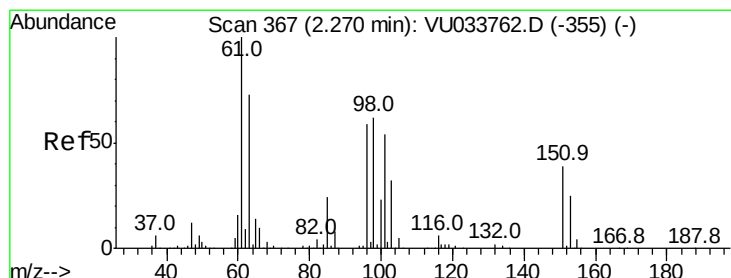
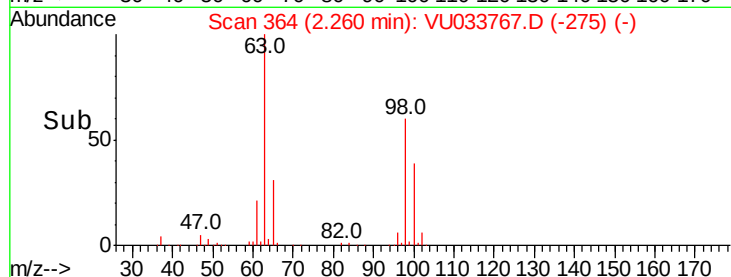
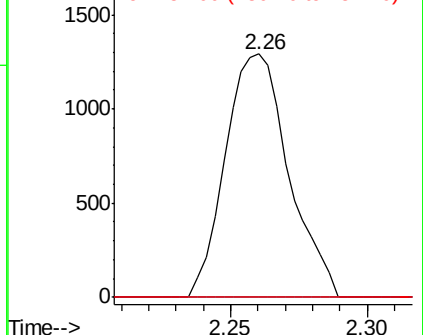
151 0.0 63.0 94.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 8.260 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033767.D

Acq: 12 Aug 2019 13:05

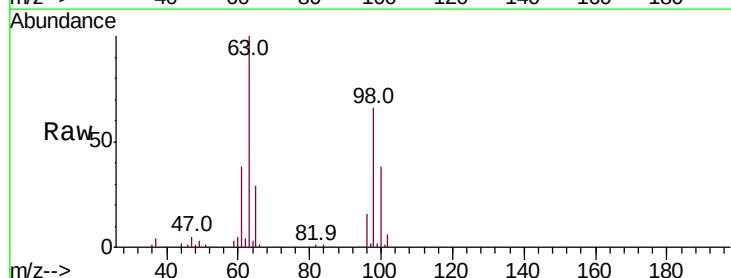
Tgt Ion: 96 Resp: 18248

Ion Ratio Lower Upper

96 100

61 236.3 118.2 219.6#

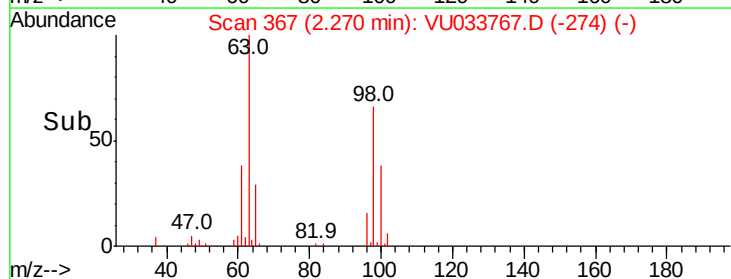
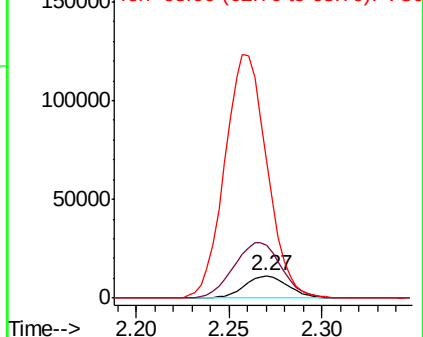
63 617.6 90.7 168.5#

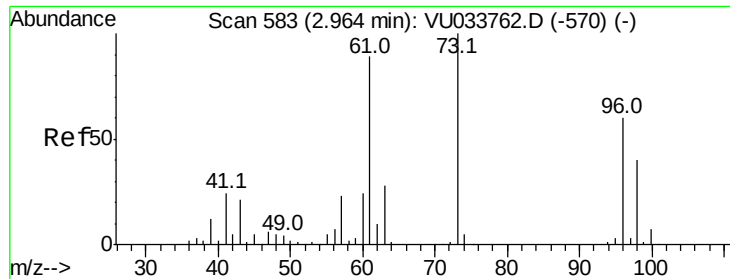


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

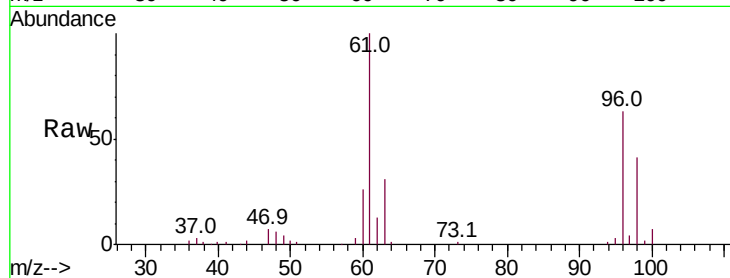




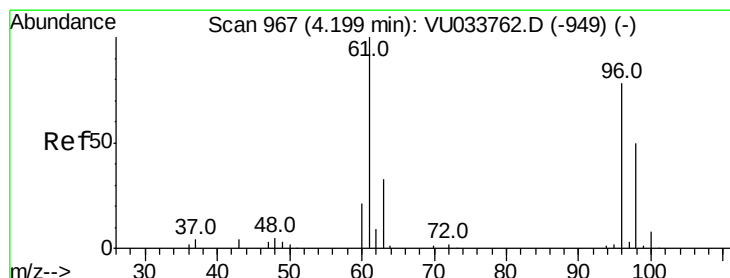
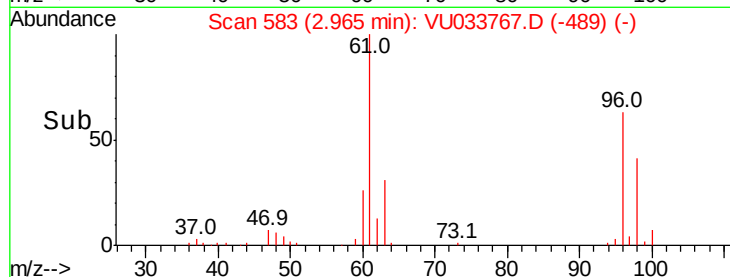
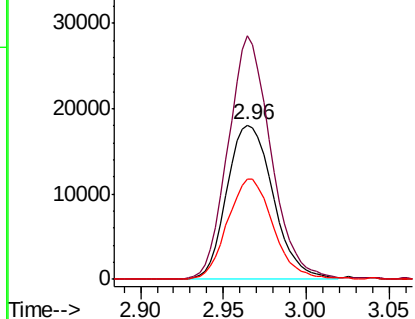
#17
trans-1,2-Dichloroethene
Concen: 14.836 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU033767.D
Acq: 12 Aug 2019 13:05

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 35127
Ion Ratio Lower Upper
96 100
61 157.6 95.6 177.6
98 65.2 44.6 82.8

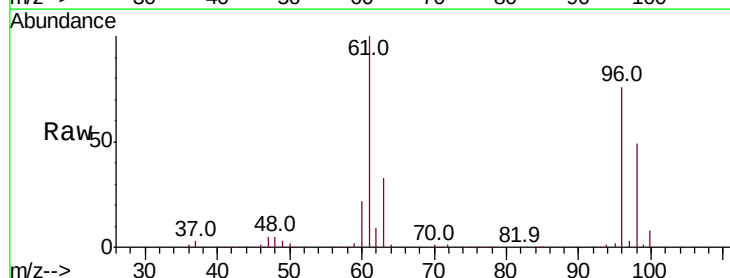


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

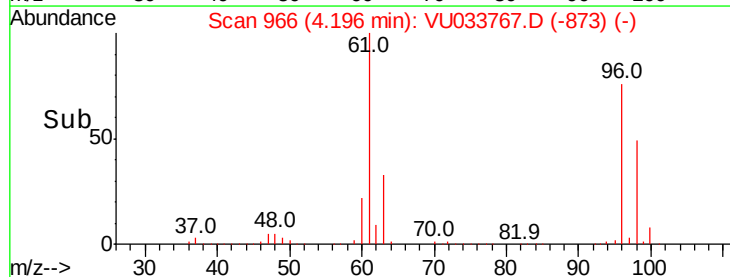
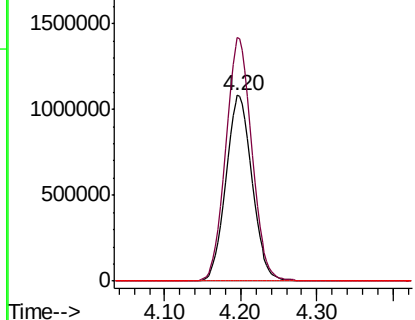


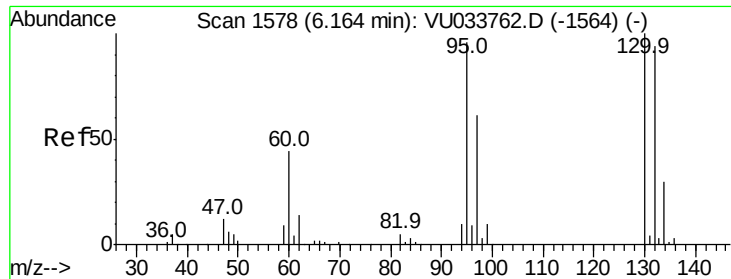
#20
cis-1,2-Dichloroethene
Concen: 963.478 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033767.D
Acq: 12 Aug 2019 13:05

Tgt Ion: 96 Resp: 2602064
Ion Ratio Lower Upper
96 100
61 131.1 87.0 161.6
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0

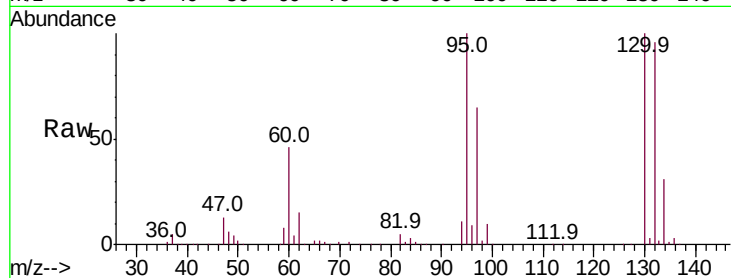




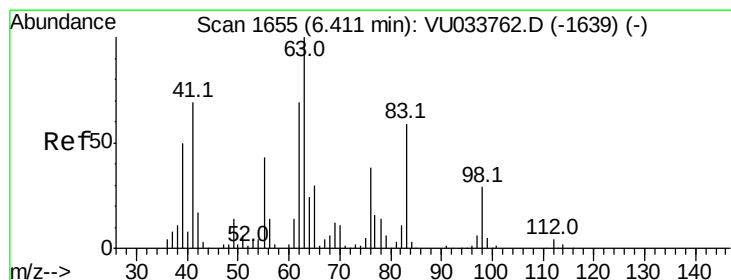
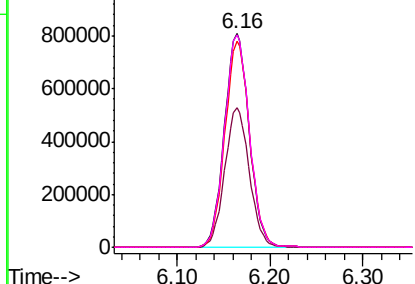
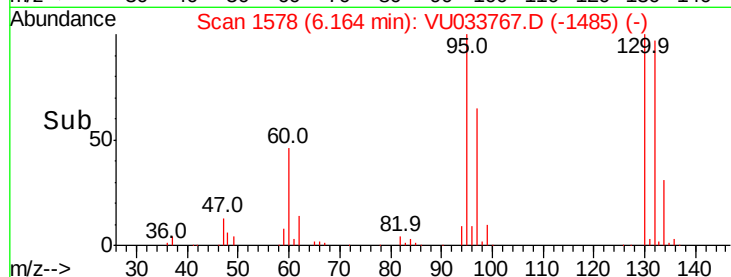
#34
 Trichloroethene
 Concen: 547.822 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033767.D
 Acq: 12 Aug 2019 13:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 1504111
 Ion Ratio Lower Upper
 95 100
 97 65.2 45.6 84.8
 132 96.2 72.0 133.8
 130 99.7 74.3 138.1

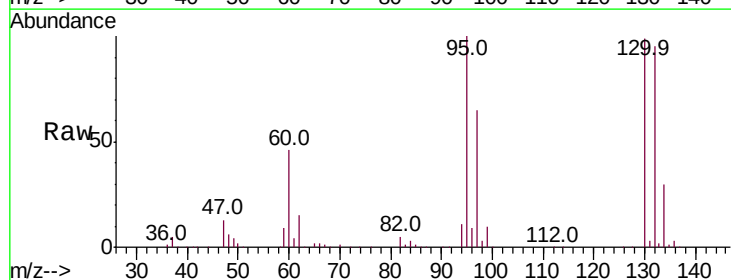


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

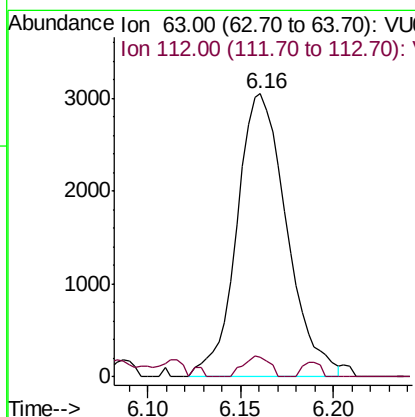
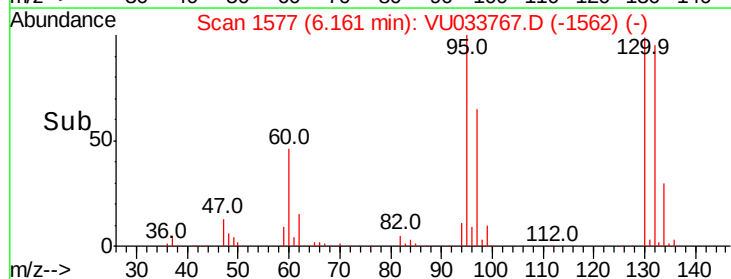


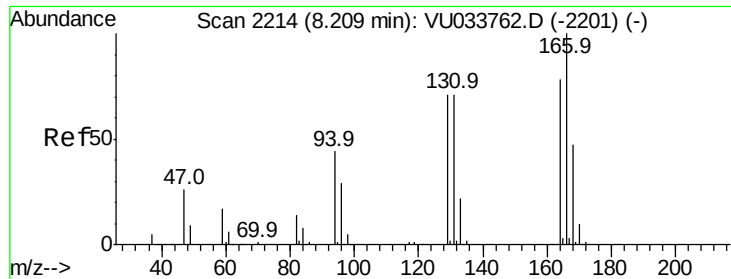
#37
 1,2-Dichloropropane
 Concen: 2.054 ug/L
 RT: 6.16 min Scan# 1577
 Delta R.T. -0.25 min
 Lab File: VU033767.D
 Acq: 12 Aug 2019 13:05

Tgt Ion: 63 Resp: 5703
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 112.00 (111.70 to 112.70): V

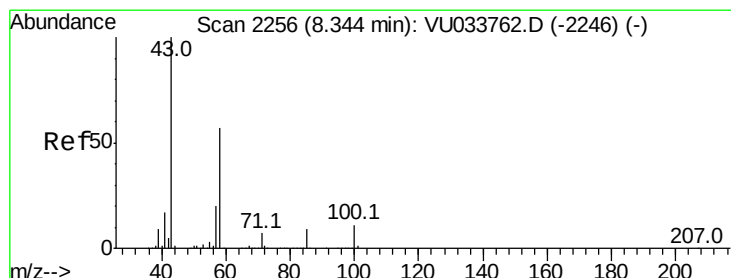
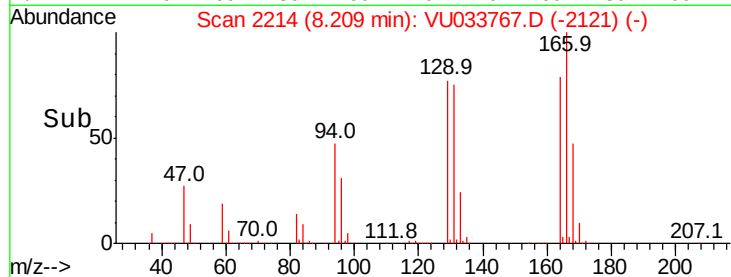
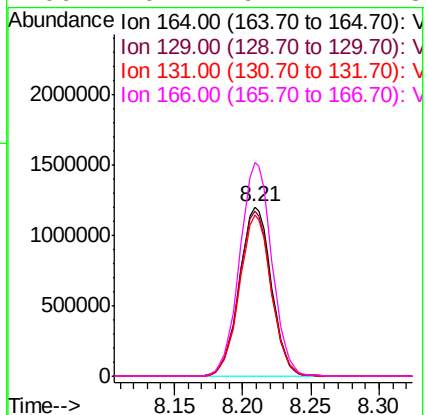
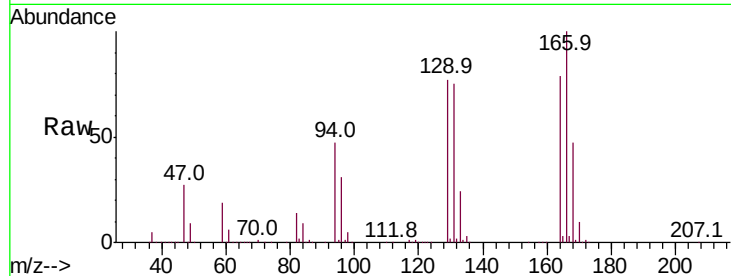




#46
Tetrachloroethene
Concen: 866.480 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033767.D
Acq: 12 Aug 2019 13:05

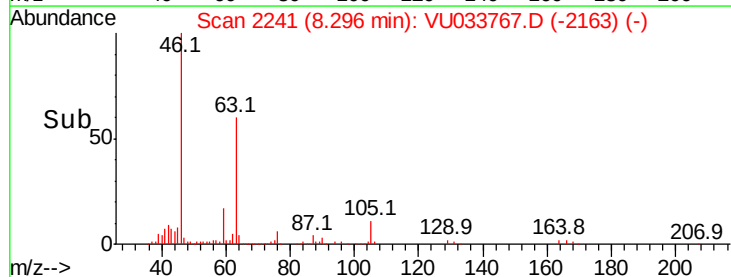
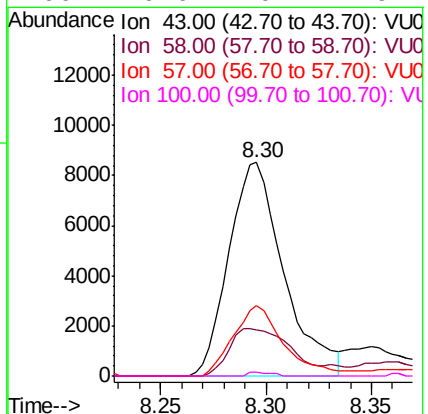
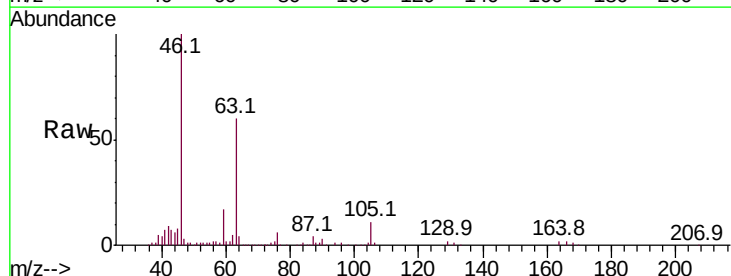
Instrument :
MSVOA_U
ClientSampled :

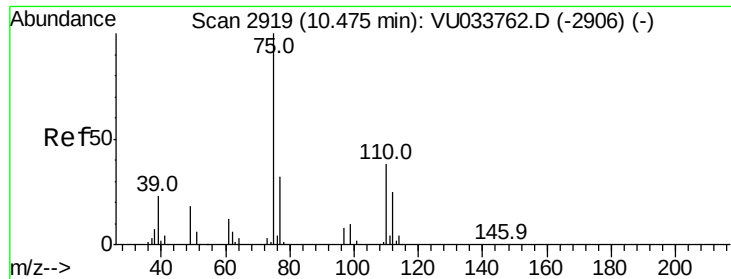
Tot Ion:164 Resp: 1961095
Ion Ratio Lower Upper
164 100
129 97.7 65.5 121.7
131 95.2 63.6 118.0
166 126.1 92.7 172.3



#48
2-Hexanone
Concen: 4.753 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.05 min
Lab File: VU033767.D
Acq: 12 Aug 2019 13:05

Tgt Ion: 43 Resp: 15457
Ion Ratio Lower Upper
43 100
58 24.2 46.6 70.0#
57 30.1 16.2 24.4#
100 0.6 10.1 15.1#





#59

1,2,3-Trichloropropane

Concen: 5.272 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033767.D

Acq: 12 Aug 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 19791

Ion Ratio Lower Upper

75 100

77 37.9 26.4 39.6

