

Data File : VU033708.D
Acq On : 10 Aug 2019 01:12
Operator : JC/SP
Sample : K4289-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B10

Quant Time: Aug 10 04:31:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	354934	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	337840	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	168100	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	123357	47.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.42%
7) Chloroethane-d5	1.67	69	117752	44.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.94%
11) 1,1-Dichloroethene-d2	2.26	63	171762	39.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.20%
21) 2-Butanone-d5	4.16	46	261703	161.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	161.57%#
24) Chloroform-d	4.62	84	237003	61.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	122.12%
26) 1,2-Dichloroethane-d4	5.29	65	157312	64.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	129.62%#
32) Benzene-d6	5.32	84	480085	60.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	120.42%
36) 1,2-Dichloropropane-d6	6.31	67	160858	65.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	131.48%#
41) Toluene-d8	7.55	98	428501	57.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.28%
43) trans-1,3-Dichloropropene-	7.83	79	72988	59.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	118.14%
47) 2-Hexanone-d5	8.29	63	195228	154.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	154.05%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	250774	69.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	138.56%#
64) 1,2-Dichlorobenzene-d4	11.85	152	185285	65.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	130.98%#

Target Compounds

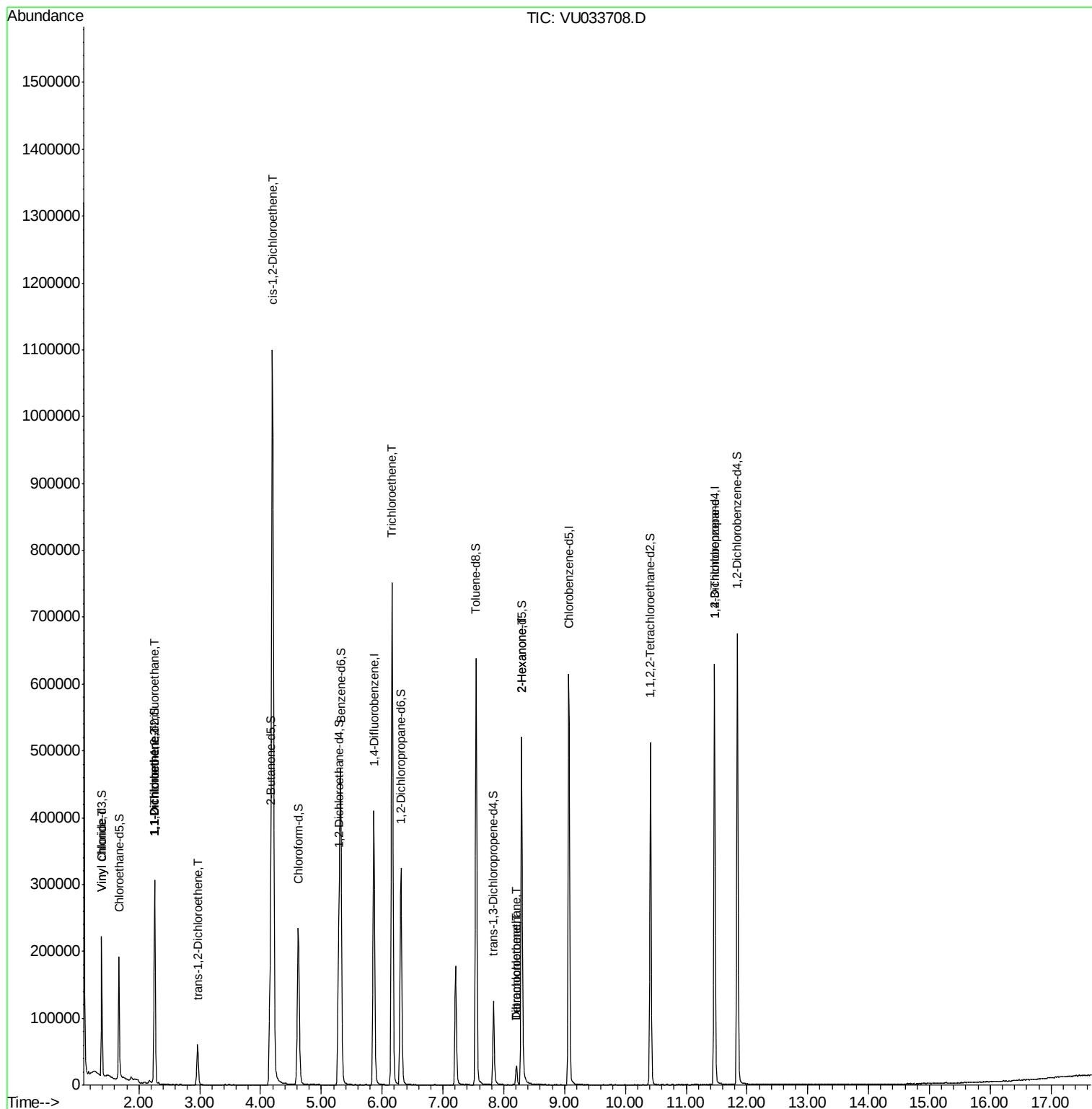
						Qvalue
5) Vinyl chloride	1.39	62	16342	5.469	ug/L #	82
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1553	0.731	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	5278	2.529	ug/L #	1
17) trans-1,2-Dichloroethene	2.97	96	23770	10.626	ug/L	92
20) cis-1,2-Dichloroethene	4.20	96	611325	239.592	ug/L	95
34) Trichloroethene	6.16	95	253193	102.063	ug/L	98
46) Tetrachloroethene	8.21	164	7166	3.504	ug/L	83
48) 2-Hexanone	8.30	43	22059	7.507	ug/L #	65
49) Dibromochloromethane	8.21	129	6455	2.349	ug/L #	11
59) 1,2,3-Trichloropropane	11.47	75	19385	5.715	ug/L	96

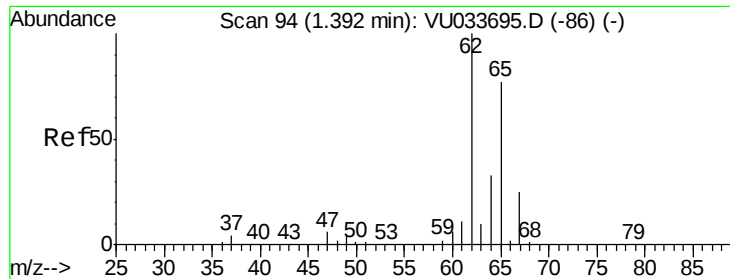
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.469 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

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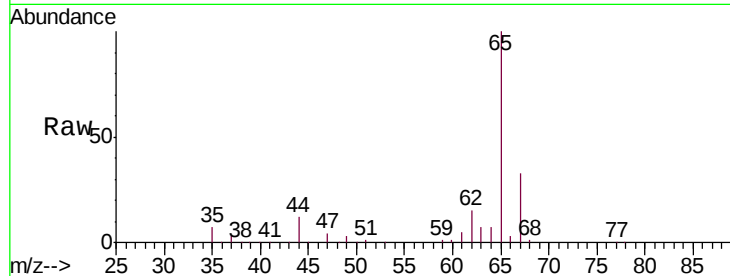
Instrument :
MSVOA_U
ClientSampleId :
F2B10

Tgt Ion: 62 Resp: 16342

Ion Ratio Lower Upper

62 100

64 44.3 23.7 43.9#



Abundance Ion 62.00 (61.70 to 62.70): VU033695.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033695.D (-86) (-)

1.39

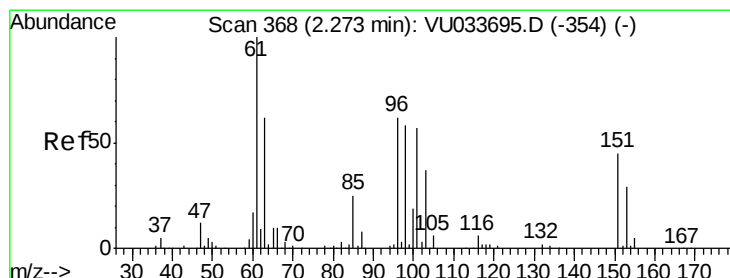
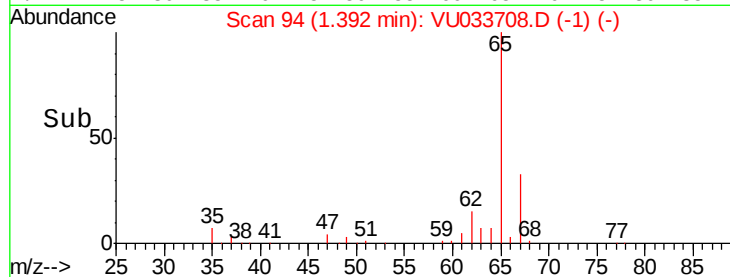
15000

10000

5000

0

Time--> 1.35 1.40 1.45



#10

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

Concen: 0.731 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033708.D

Acq: 10 Aug 2019 01:12

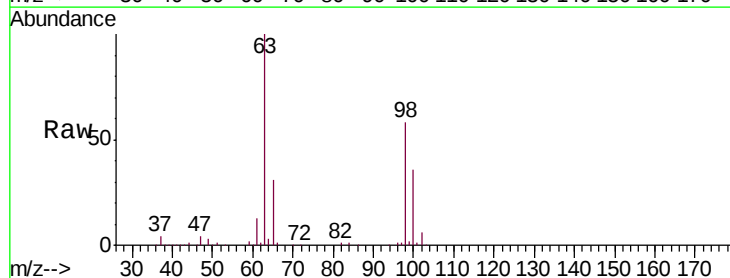
Tgt Ion: 101 Resp: 1553

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): VU033695.D (-354) (-)

Ion 85.00 (84.70 to 85.70): VU033695.D (-354) (-)

Ion 151.00 (150.70 to 151.70): VU033695.D (-354) (-)

2.26

1200

1000

800

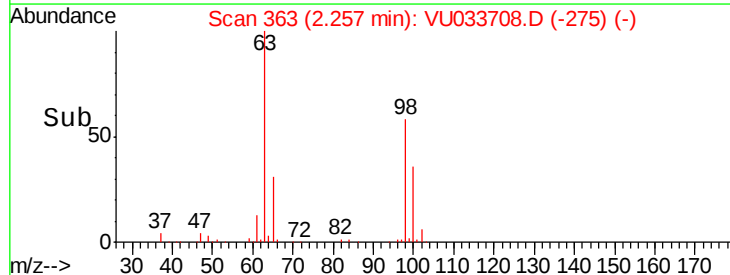
600

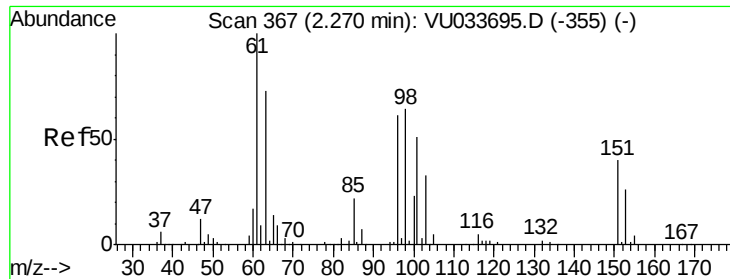
400

200

0

Time--> 2.22 2.24 2.26 2.28 2.30





#12

1,1-Dichloroethene

Concen: 2.529 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033708.D

Acq: 10 Aug 2019 01:12

Instrument :

MSVOA_U

ClientSampleId :

F2B10

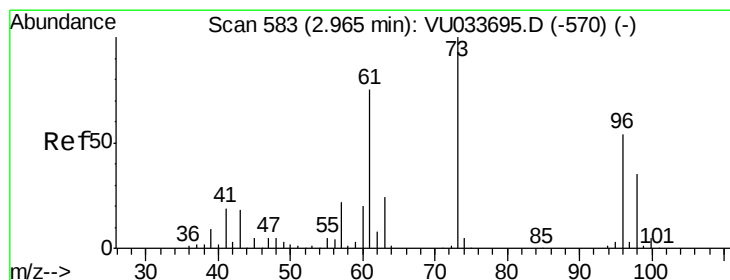
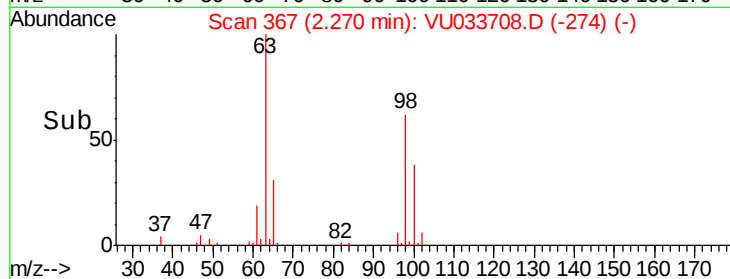
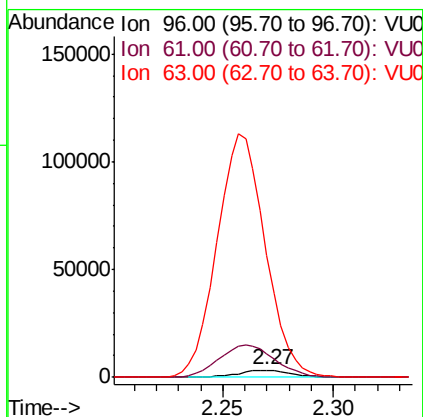
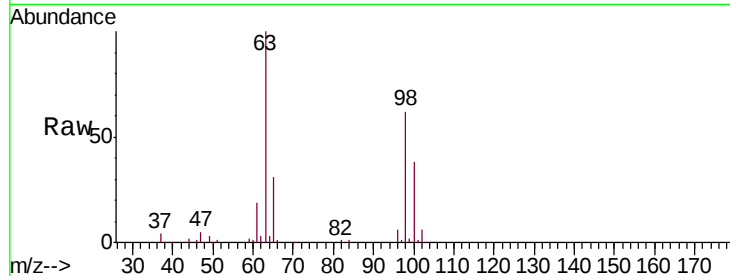
Tgt Ion: 96 Resp: 5278

Ion Ratio Lower Upper

96 100

61 337.9 118.2 219.6#

63 1777.4 90.7 168.5#



#17

trans-1,2-Dichloroethene

Concen: 10.626 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU033708.D

Acq: 10 Aug 2019 01:12

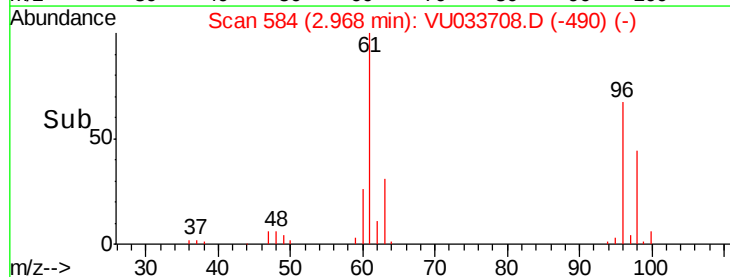
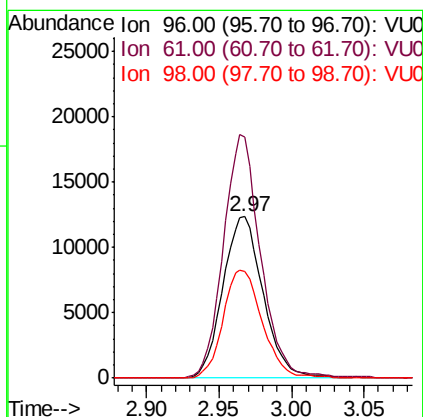
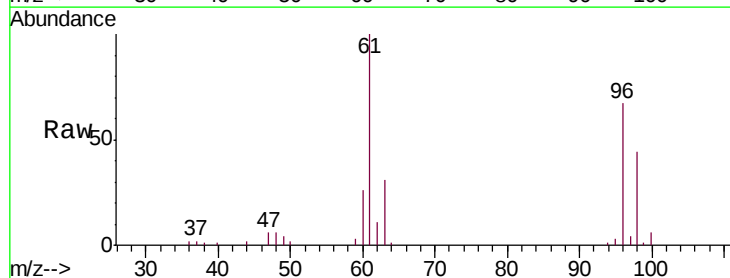
Tgt Ion: 96 Resp: 23770

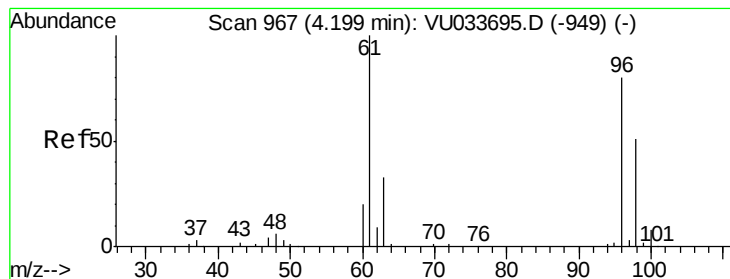
Ion Ratio Lower Upper

96 100

61 149.2 95.6 177.6

98 65.9 44.6 82.8



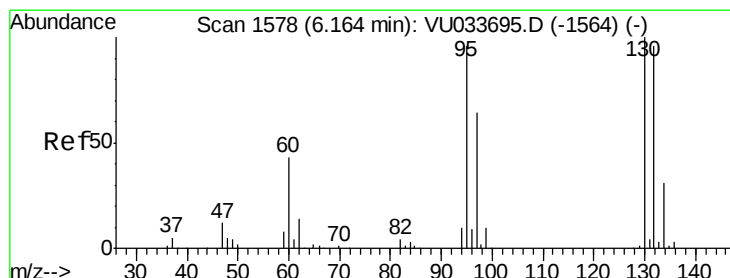
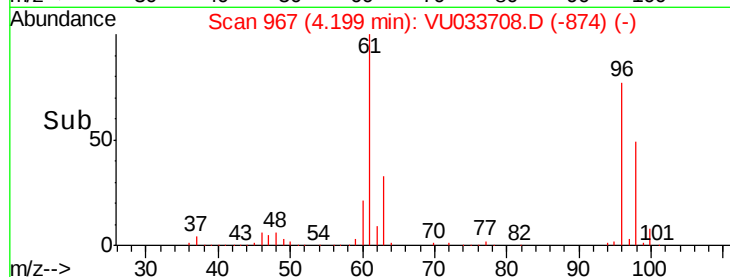
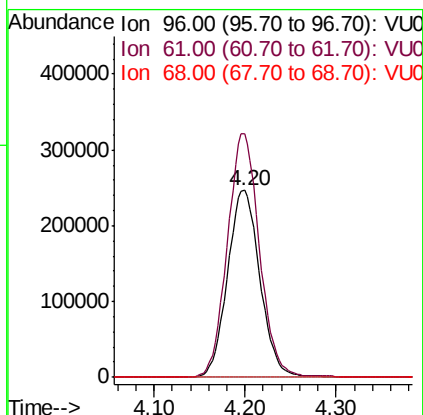
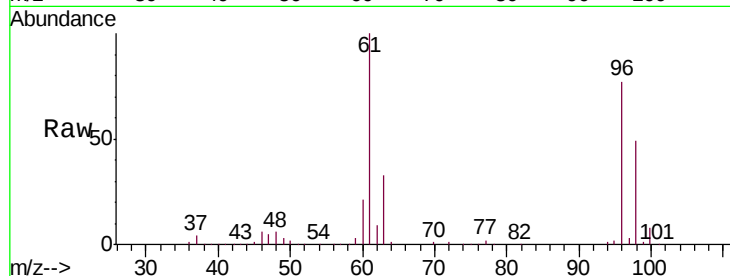


#20

cis-1,2-Dichloroethene
 Concen: 239.592 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033708.D
 Acq: 10 Aug 2019 01:12

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B10

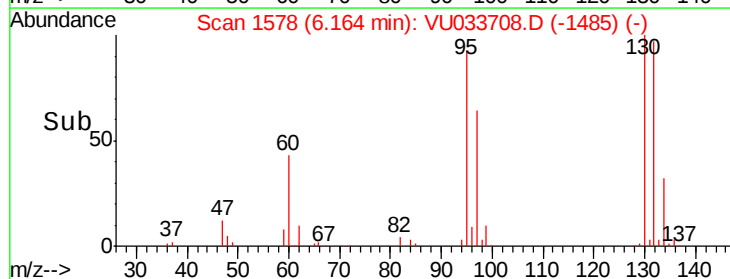
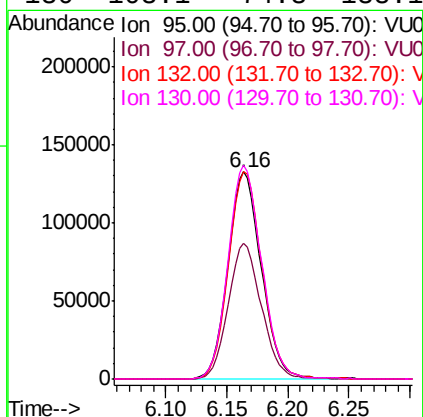
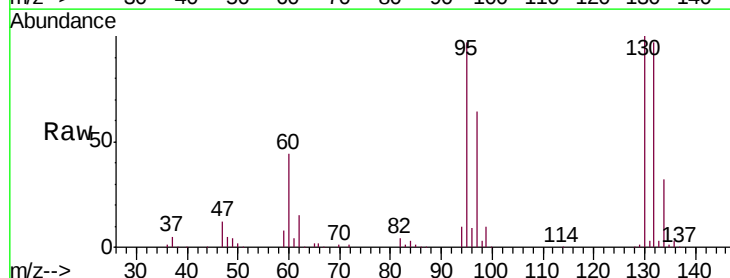
Tgt Ion: 96 Resp: 611325
 Ion Ratio Lower Upper
 96 100
 61 130.3 87.0 161.6
 68 0.0 0.0 0.0

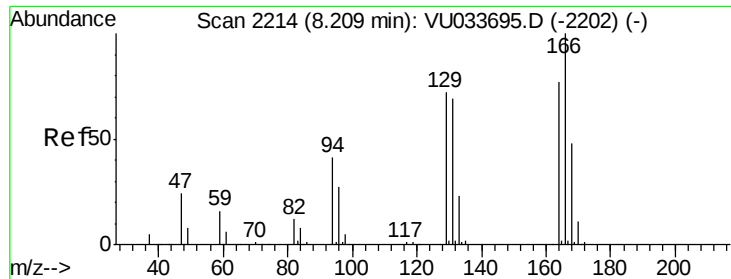


#34

Trichloroethene
 Concen: 102.063 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033708.D
 Acq: 10 Aug 2019 01:12

Tgt Ion: 95 Resp: 253193
 Ion Ratio Lower Upper
 95 100
 97 65.6 45.6 84.8
 132 100.1 72.0 133.8
 130 103.1 74.3 138.1

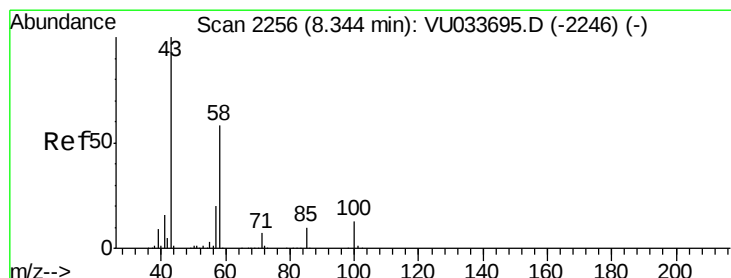
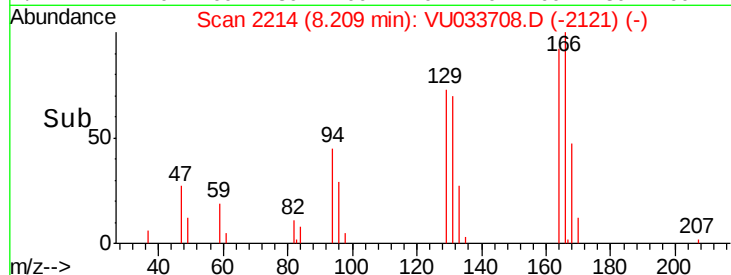
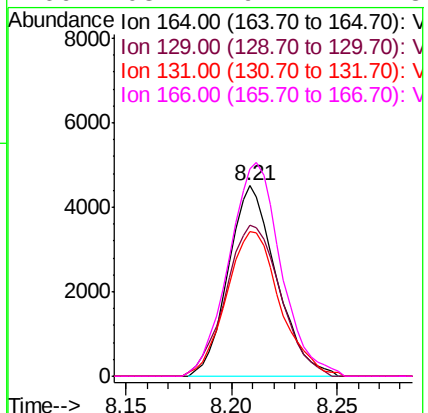
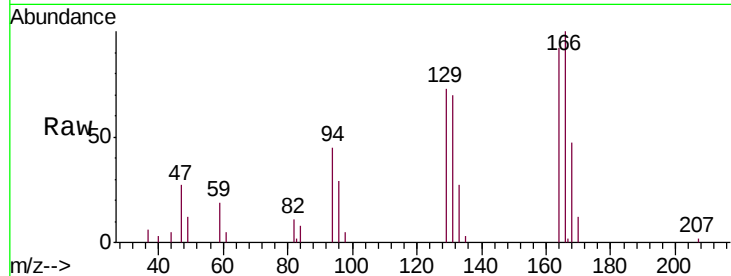




#46
Tetrachloroethene
Concen: 3.504 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033708.D
Acq: 10 Aug 2019 01:12

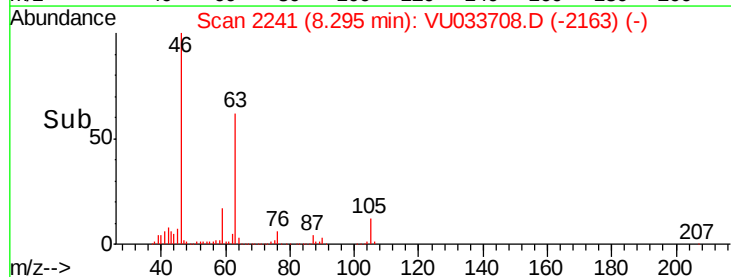
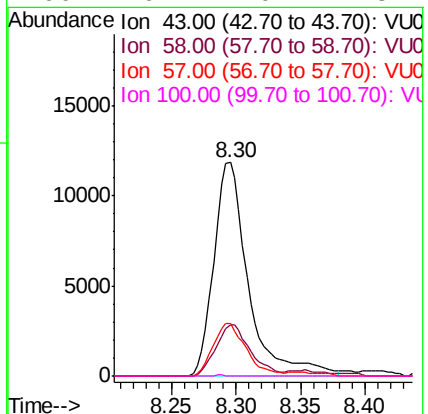
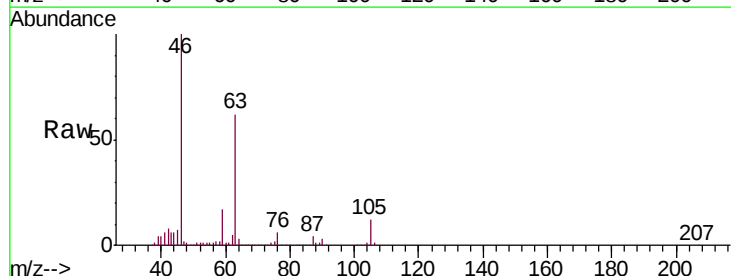
Instrument :
MSVOA_U
ClientSampleId :
F2B10

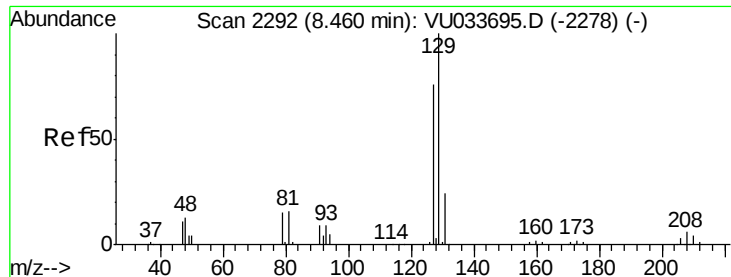
Tgt Ion:	164	Resp:	7166
Ion	Ratio	Lower	Upper
164	100		
129	79.1	65.5	121.7
131	76.0	63.6	118.0
166	108.7	92.7	172.3



#48
2-Hexanone
Concen: 7.507 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.05 min
Lab File: VU033708.D
Acq: 10 Aug 2019 01:12

Tgt Ion:	43	Resp:	22059
Ion	Ratio	Lower	Upper
43	100		
58	23.9	46.6	70.0#
57	23.5	16.2	24.4
100	0.2	10.1	15.1#

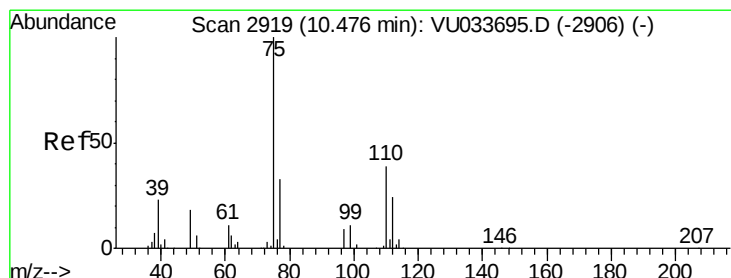
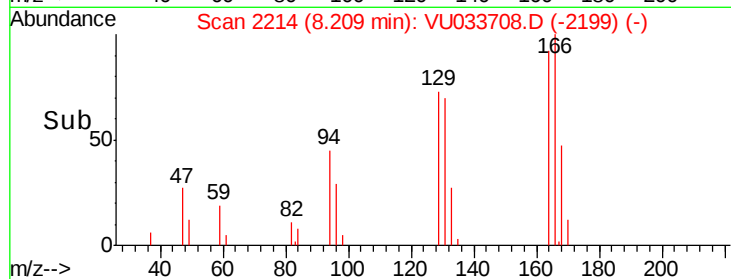
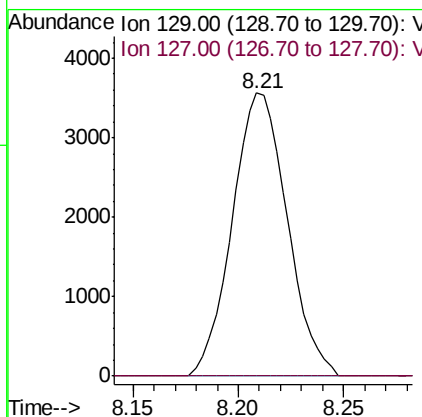
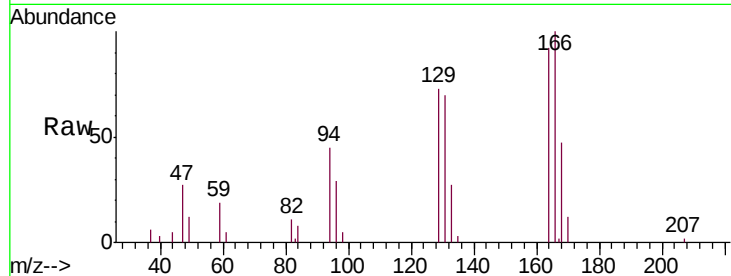




#49
 Dibromochloromethane
 Concen: 2.349 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.25 min
 Lab File: VU033708.D
 Acq: 10 Aug 2019 01:12

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B10

Tgt Ion: 129 Resp: 6455
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.3 98.9#



#59
 1,2,3-Trichloropropane
 Concen: 5.715 ug/L
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.99 min
 Lab File: VU033708.D
 Acq: 10 Aug 2019 01:12

Tgt Ion: 75 Resp: 19385
 Ion Ratio Lower Upper
 75 100
 77 35.5 26.4 39.6

