

Data File : VU035108.D
Acq On : 11 Oct 2019 22:48
Operator : JC/SP
Sample : K5309-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RD-13-001-01

Quant Time: Oct 12 02:49:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 12 02:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	170773	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	179391	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	66263	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54018	5.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.00%
7) Chloroethane-d5	1.68	69	50295	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.26	63	80134	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	4.17	46	150822	50.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.46%
24) Chloroform-d	4.63	84	92029	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.29	65	56985	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.32	84	198498	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.31	67	69932	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.55	98	172007	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	7.84	79	20676	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.31	63	105900	44.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.00%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57376	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	57948	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

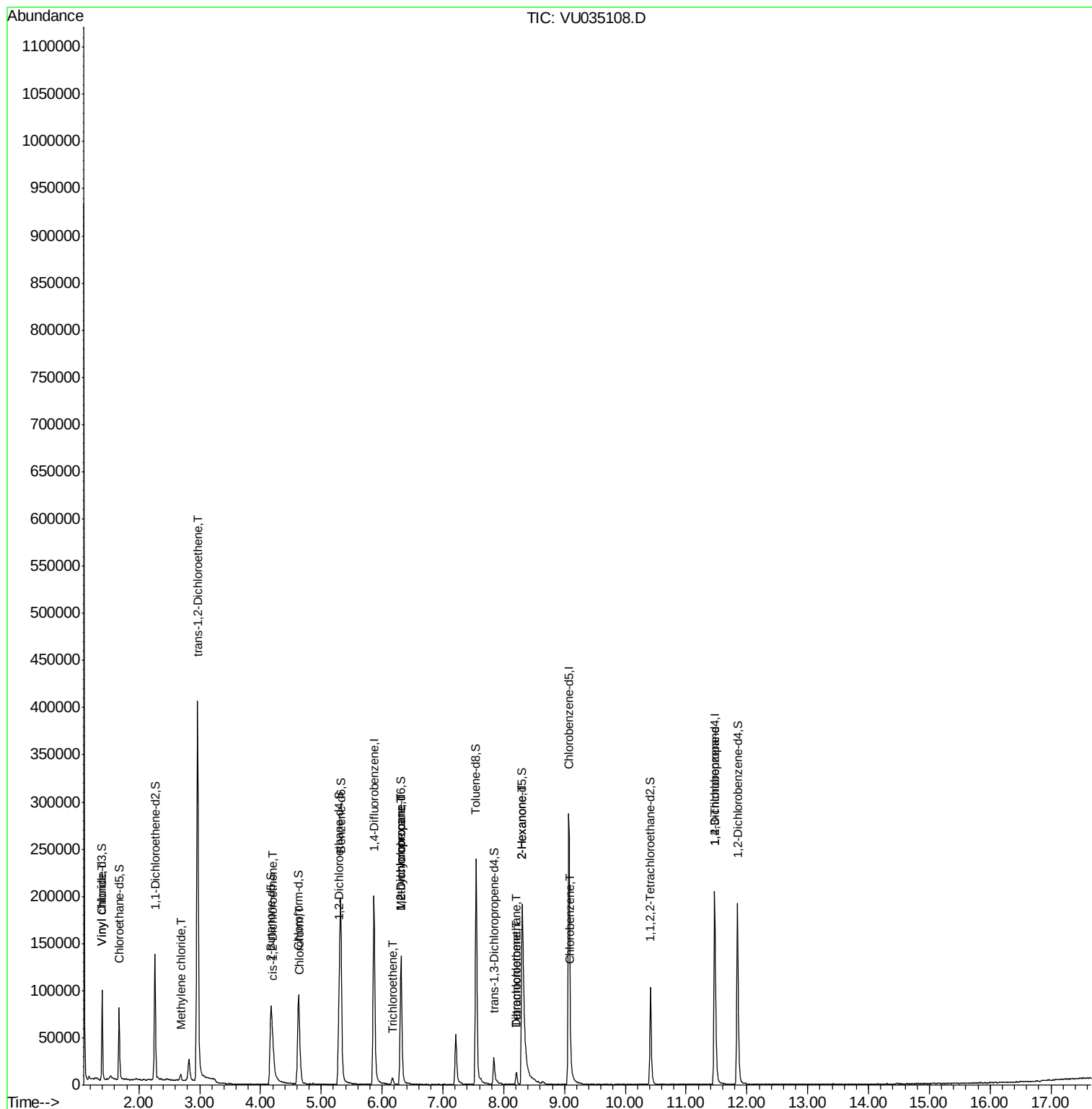
					Qvalue
5) Vinyl chloride	1.40	62	10112	0.601 ug/L #	76
16) Methylene chloride	2.68	84	2525	0.186 ug/L	96
18) trans-1,2-Dichloroethene	2.96	96	147187	12.532 ug/L	91
22) cis-1,2-Dichloroethene	4.20	96	9704	0.741 ug/L	94
25) Chloroform	4.65	83	13241	0.505 ug/L	97
34) Trichloroethene	6.17	95	2219	0.159 ug/L	89
35) Methylcyclohexane	6.31	83	15196	0.673 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7454	0.511 ug/L #	88
47) Tetrachloroethene	8.21	164	2957	0.262 ug/L	86
48) 2-Hexanone	8.30	43	10792	1.716 ug/L #	75
49) Dibromochloromethane	8.21	129	2868	0.256 ug/L #	12
51) Chlorobenzene	9.10	112	3251	0.089 ug/L #	86
59) 1,2,3-Trichloropropane	11.47	75	8767	0.929 ug/L	96

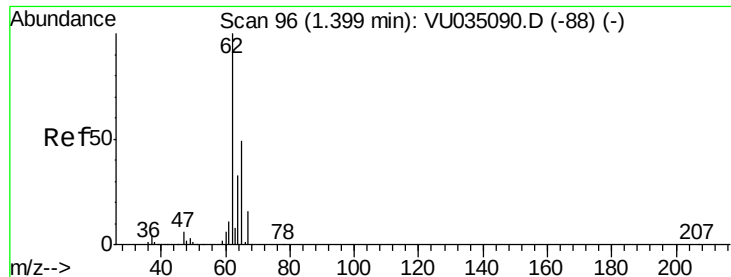
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.601 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU035108.D

Acq: 11 Oct 2019 22:48

Instrument :

MSVOA_U

ClientSampled :

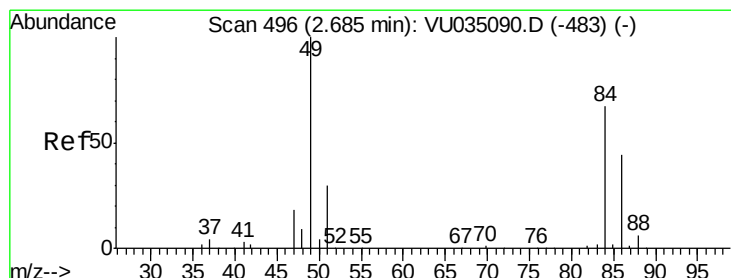
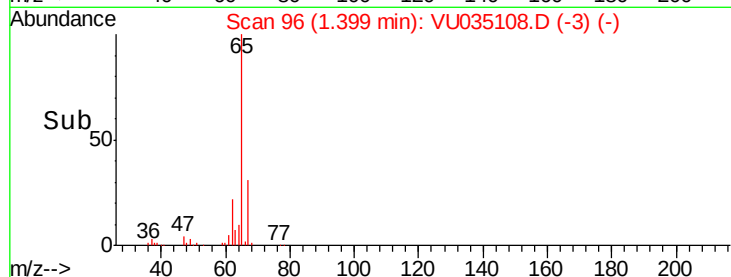
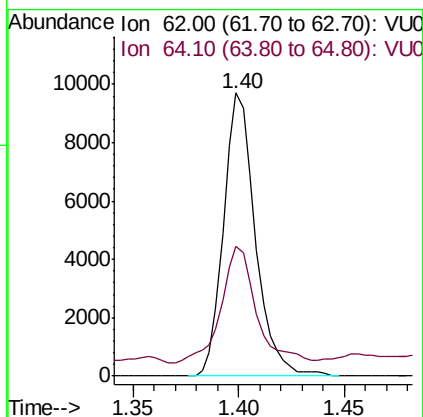
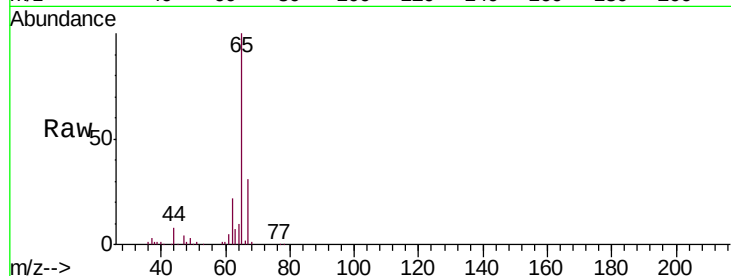
RD-13-001-01

Tgt Ion: 62 Resp: 10112

Ion Ratio Lower Upper

62 100

64 45.9 22.8 42.4#



#16

Methylene chloride

Concen: 0.186 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU035108.D

Acq: 11 Oct 2019 22:48

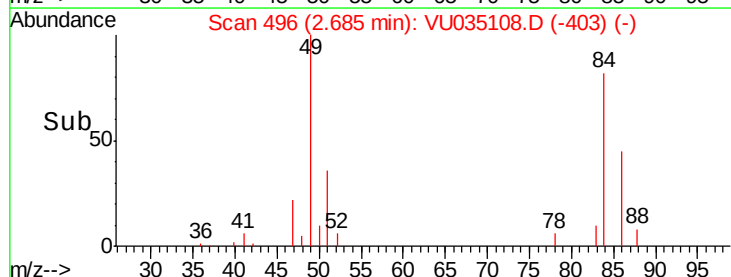
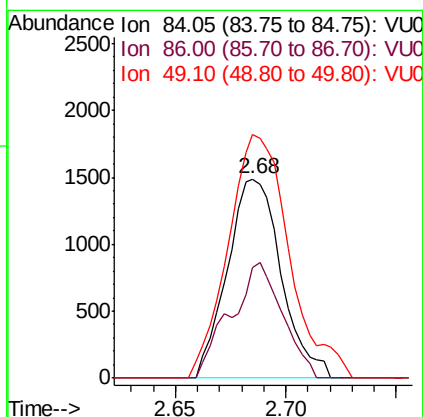
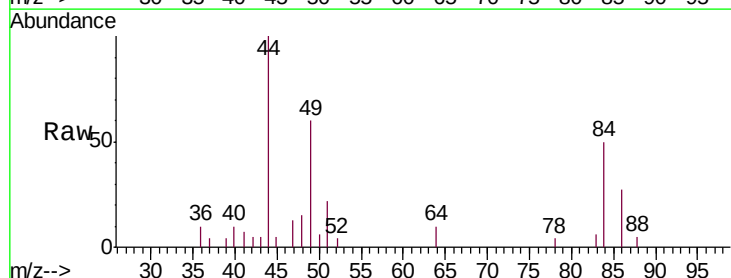
Tgt Ion: 84 Resp: 2525

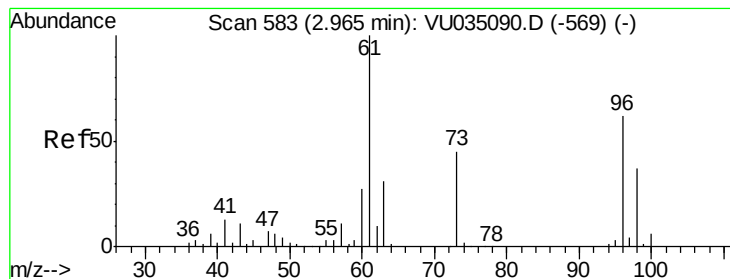
Ion Ratio Lower Upper

84 100

86 55.1 42.5 78.9

49 122.1 86.9 161.3





#18

trans-1,2-Dichloroethene

Concen: 12.532 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU035108.D

Acq: 11 Oct 2019 22:48

Instrument :

MSVOA_U

ClientSampleId :

RD-13-001-01

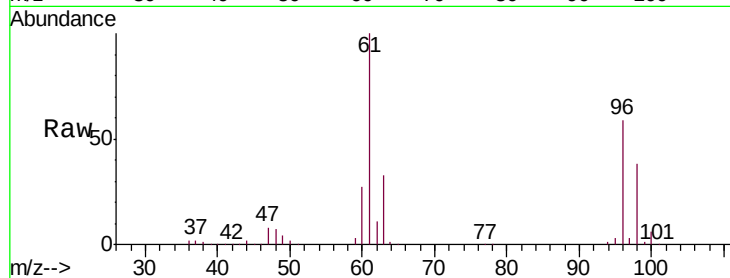
Tgt Ion: 96 Resp: 147187

Ion Ratio Lower Upper

96 100

61 169.2 107.1 198.9

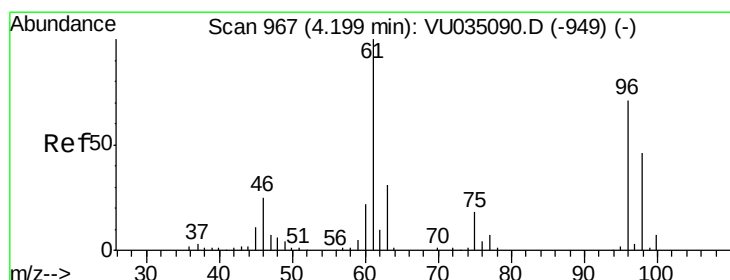
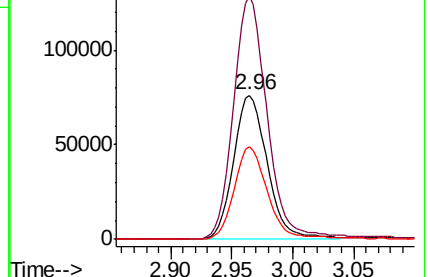
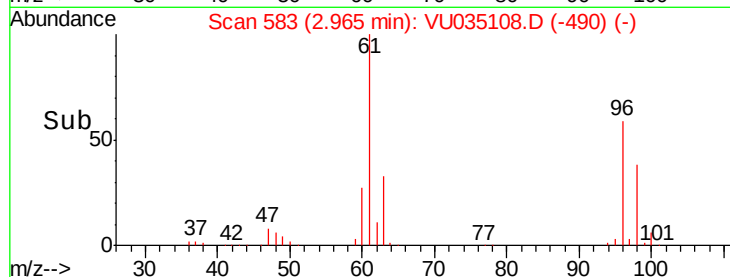
98 64.3 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU035108.D (-490) (-)

Ion 61.05 (60.75 to 61.75): VU035108.D (-490) (-)

Ion 97.95 (97.65 to 98.65): VU035108.D (-490) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.741 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035108.D

Acq: 11 Oct 2019 22:48

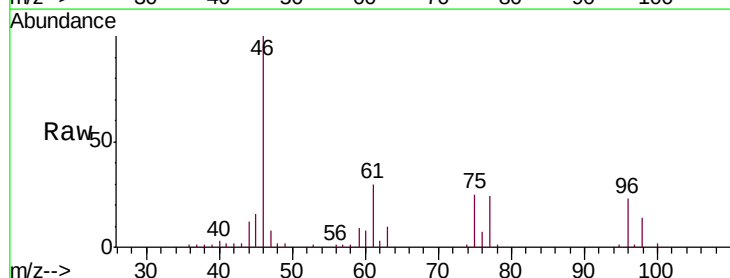
Tgt Ion: 96 Resp: 9704

Ion Ratio Lower Upper

96 100

61 134.3 89.2 165.6

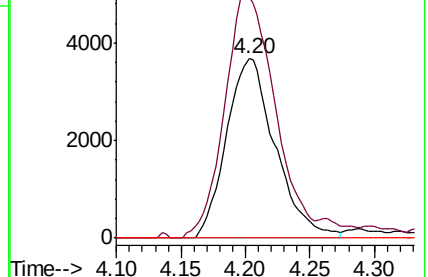
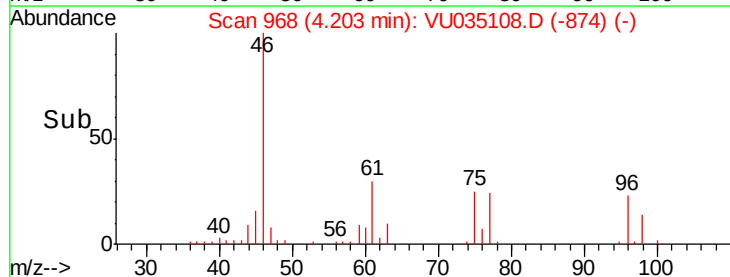
68 0.0 0.0 0.0

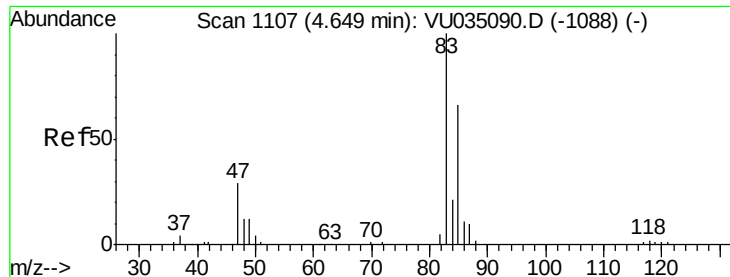


Abundance Ion 96.00 (95.70 to 96.70): VU035108.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VU035108.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VU035108.D (-874) (-)





#25

Chloroform

Concen: 0.505 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU035108.D

Acq: 11 Oct 2019 22:48

Instrument :

MSVOA_U

ClientSampleId :

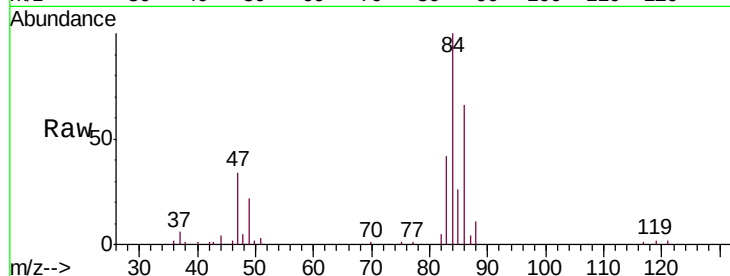
RD-13-001-01

Tgt Ion: 83 Resp: 13241

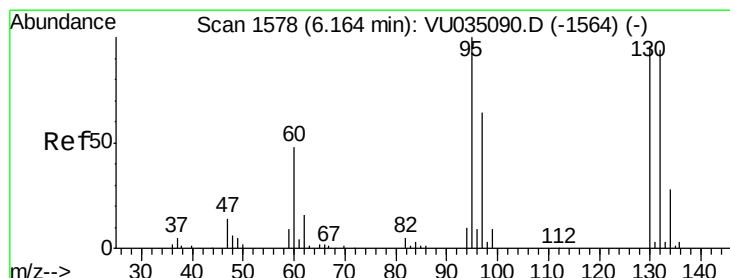
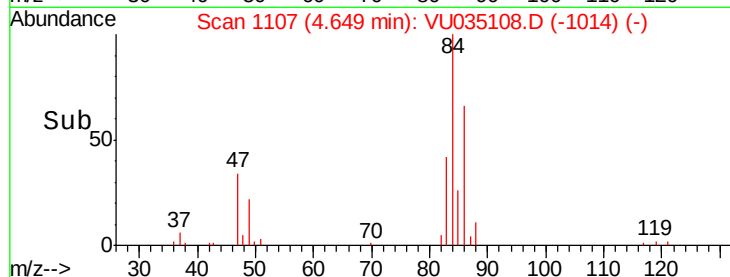
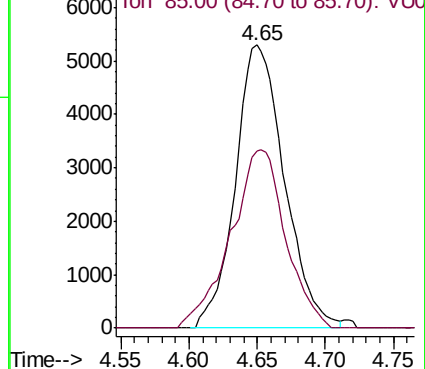
Ion Ratio Lower Upper

83 100

85 62.8 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU035090.D (-1088) (-)



#34

Trichloroethene

Concen: 0.159 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU035108.D

Acq: 11 Oct 2019 22:48

Tgt Ion: 95 Resp: 2219

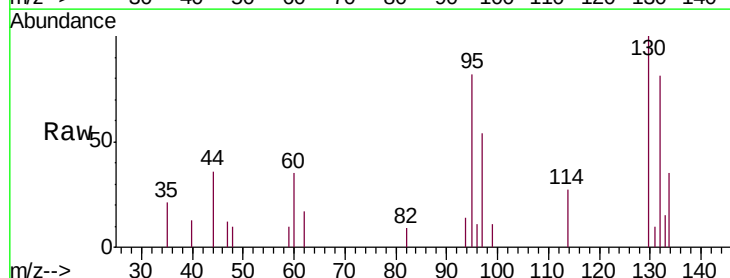
Ion Ratio Lower Upper

95 100

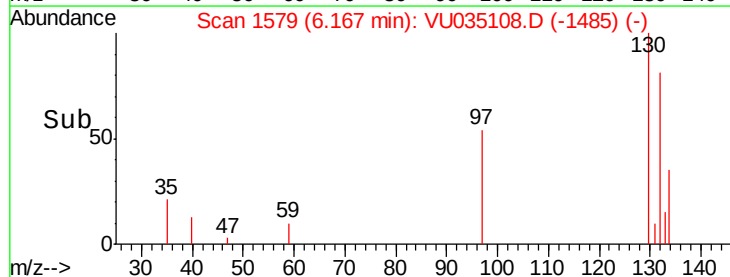
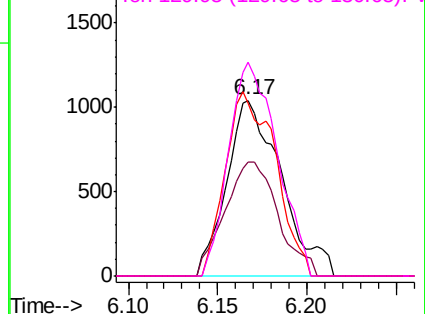
97 65.2 44.5 82.7

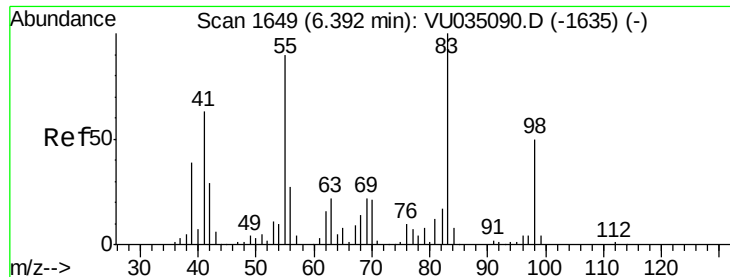
132 98.7 66.6 123.8

130 121.6 68.9 127.9



Abundance Ion 95.00 (94.70 to 95.70): VU035090.D (-1564) (-)

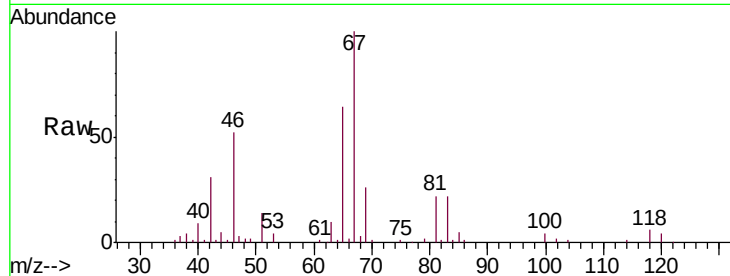




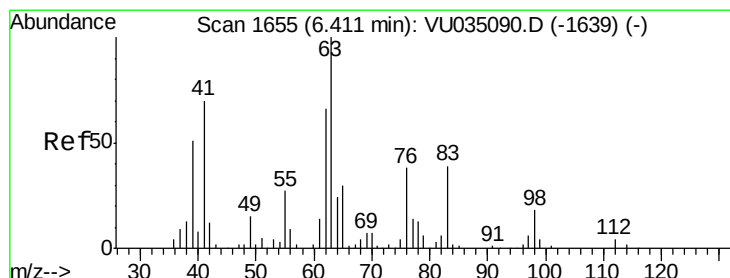
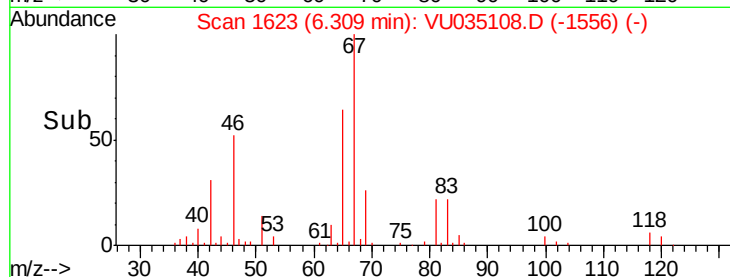
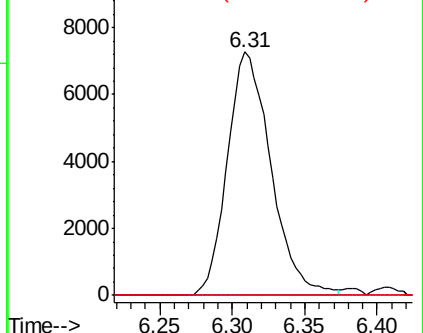
#35
Methylcyclohexane
Concen: 0.673 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU035108.D
Acq: 11 Oct 2019 22:48

Instrument :
MSVOA_U
ClientSampleId :
RD-13-001-01

Tgt Ion: 83 Resp: 15196
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.0 36.2 54.2#

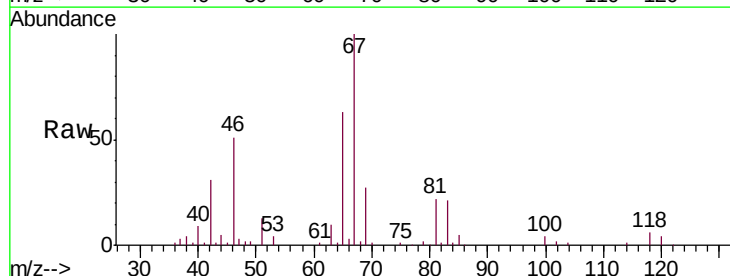


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

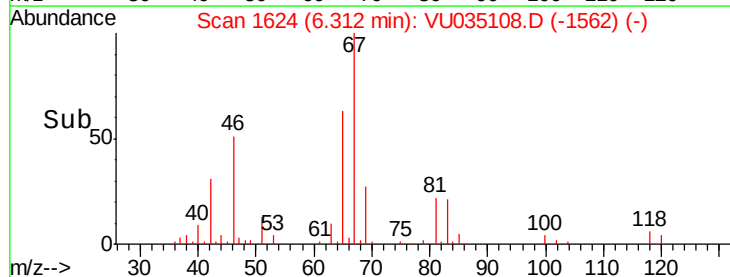
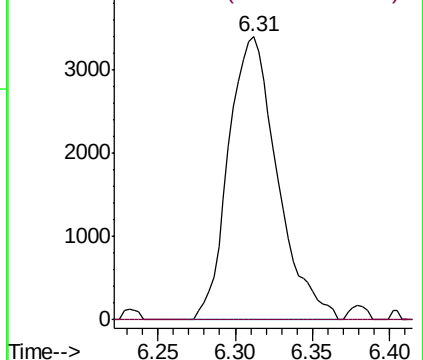


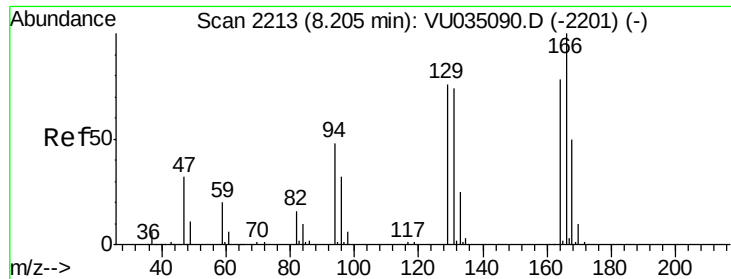
#37
1,2-Dichloropropane
Concen: 0.511 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.10 min
Lab File: VU035108.D
Acq: 11 Oct 2019 22:48

Tgt Ion: 63 Resp: 7454
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

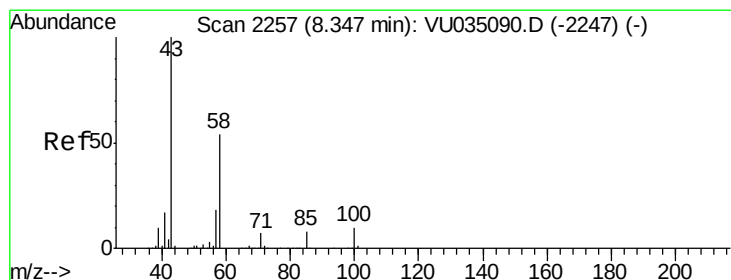
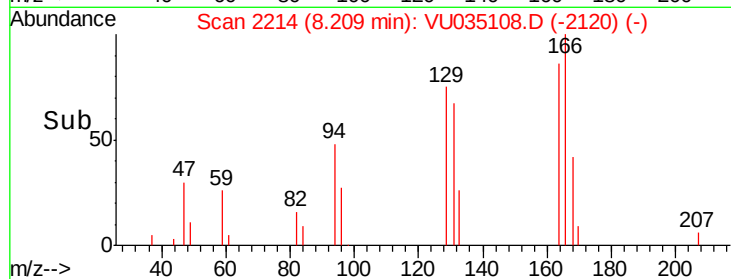
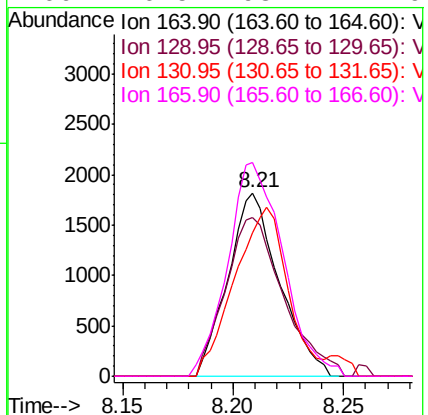
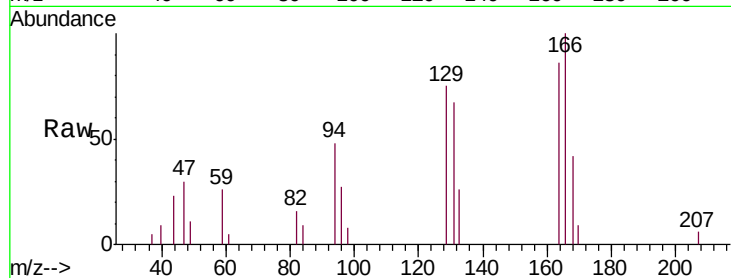




#47
Tetrachloroethene
Concen: 0.262 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU035108.D
Acq: 11 Oct 2019 22:48

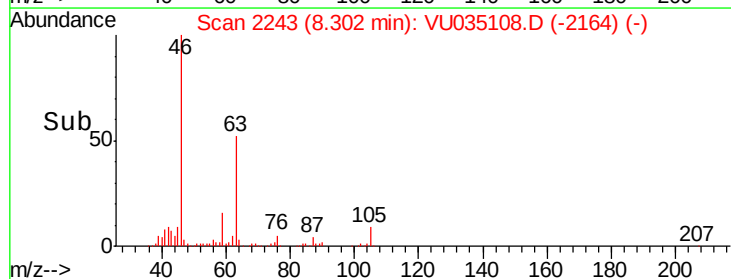
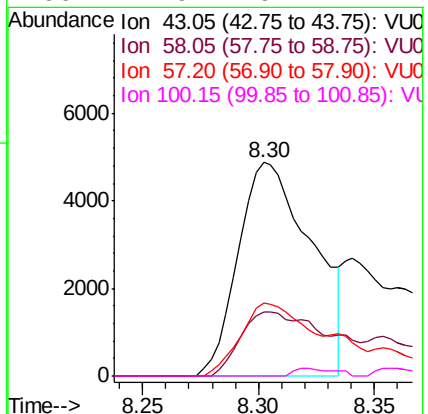
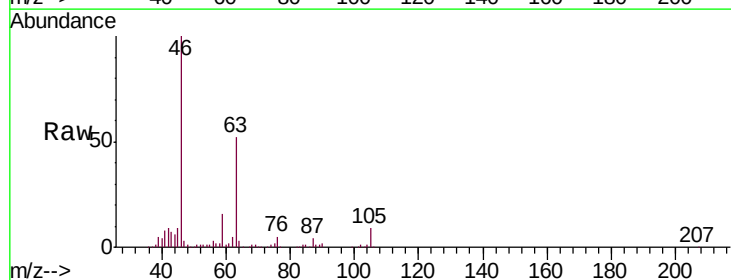
Instrument :
MSVOA_U
ClientSampleId :
RD-13-001-01

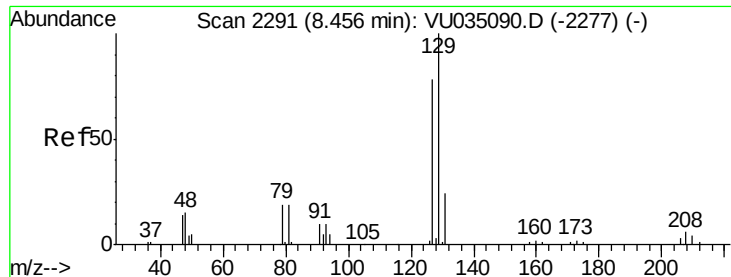
Tgt Ion:	164	Resp:	2957
Ion	Ratio	Lower	Upper
164	100		
129	86.9	68.5	127.1
131	78.2	67.3	124.9
166	116.5	93.1	172.9



#48
2-Hexanone
Concen: 1.716 ug/L
RT: 8.30 min Scan# 2243
Delta R.T. -0.04 min
Lab File: VU035108.D
Acq: 11 Oct 2019 22:48

Tgt Ion:	43	Resp:	10792
Ion	Ratio	Lower	Upper
43	100		
58	36.5	44.1	66.1#
57	30.3	15.8	23.8#
100	1.9	9.4	14.2#





#49

Dibromochloromethane

Concen: 0.256 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU035108.D

Acq: 11 Oct 2019 22:48

Instrument :

MSVOA_U

ClientSampleId :

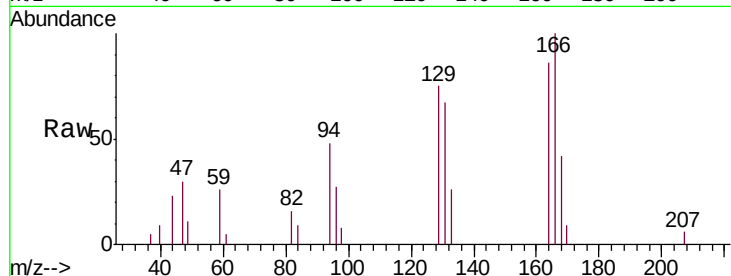
RD-13-001-01

Tgt Ion:129 Resp: 2868

Ion Ratio Lower Upper

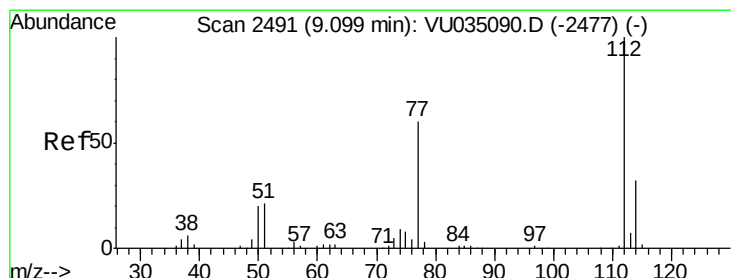
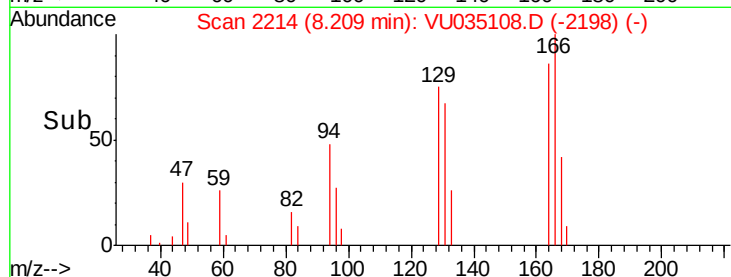
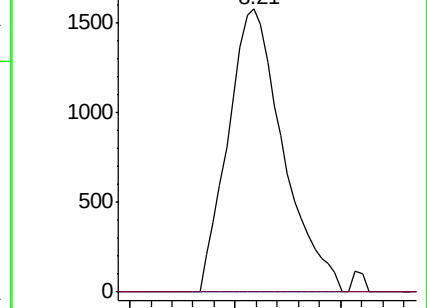
129 100

127 0.0 51.9 96.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#51

Chlorobenzene

Concen: 0.089 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU035108.D

Acq: 11 Oct 2019 22:48

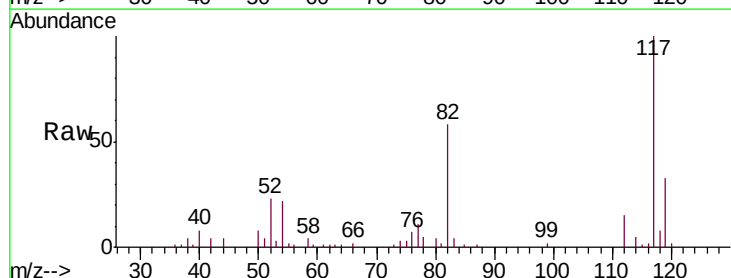
Tgt Ion:112 Resp: 3251

Ion Ratio Lower Upper

112 100

114 30.7 22.1 41.1

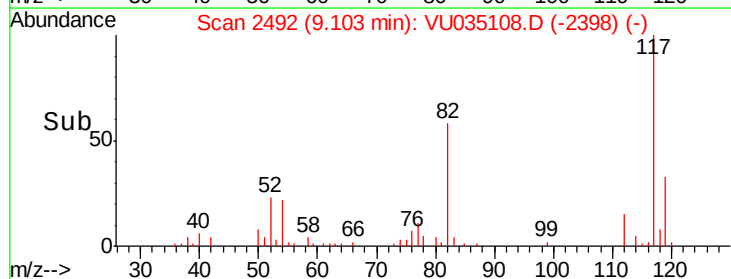
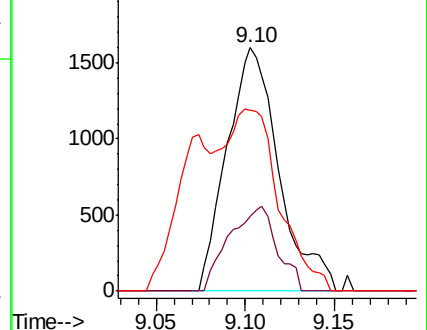
77 74.2 46.9 70.3#

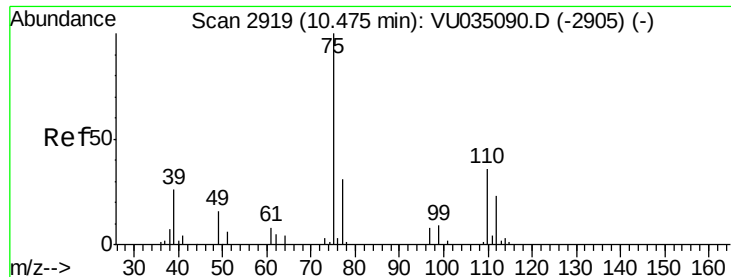


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#59

1,2,3-Trichloropropane

Concen: 0.929 ug/L

RT: 11.47 min Scan# 3229

Delta R.T. 1.00 min

Lab File: VU035108.D

Acq: 11 Oct 2019 22:48

Instrument :

MSVOA_U

ClientSampleId :

RD-13-001-01

Tgt Ion: 75 Resp: 8767

Ion Ratio Lower Upper

75 100

77 35.4 26.5 39.7

