

Data File : VU031948.D
Acq On : 12 May 2019 17:15
Operator : JC/SP
Sample : K2791-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9D51

Quant Time: May 13 07:04:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon May 13 07:00:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	478116	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	483563	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	179030	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	122115	3.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.00%
7) Chloroethane-d5	1.68	69	122757	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.27	63	193880	2.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.20%#
20) 2-Butanone-d5	4.21	46	535873	42.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.24%
24) Chloroform-d	4.64	84	276198	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.31	65	158971	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.40%
32) Benzene-d6	5.33	84	518140	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	6.33	67	185691	4.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.80%
41) Toluene-d8	7.56	98	389504	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.60%
43) trans-1,3-Dichloropropene-	7.85	79	54600	3.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.40%
46) 2-Hexanone-d5	8.31	63	367098	45.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.00%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	165560	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	148570	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

						Qvalue
8) Chloroethane	1.69	64	3617	0.115	ug/L #	65
12) 1,1-Dichloroethene	2.28	96	17492	0.538	ug/L #	1
13) Acetone	2.35	43	396323	45.611	ug/L	84
15) Methyl Acetate	2.55	43	14049	0.627	ug/L #	59
18) trans-1,2-Dichloroethene	2.97	96	2915	0.083	ug/L #	52
19) 1,1-Dichloroethane	3.44	63	52385	0.608	ug/L	95
22) cis-1,2-Dichloroethene	4.22	96	480898	11.430	ug/L	79
25) Chloroform	4.67	83	14695	0.173	ug/L	95
27) 1,2-Dichloroethane	5.41	62	9937	0.178	ug/L #	95
34) Trichloroethene	6.18	95	78566	1.848	ug/L	94
35) Methylcyclohexane	6.33	83	41186	0.675	ug/L #	11
37) 1,2-Dichloropropane	6.33	63	19987	0.414	ug/L #	93
45) 1,1,2-Trichloroethane	8.22	97	4900	0.171	ug/L #	6
47) Tetrachloroethene	8.22	164	503601	18.219	ug/L	97
48) 2-Hexanone	8.38	43	23336	1.011	ug/L #	60
49) Dibromochloromethane	8.22	129	477869	14.372	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	24204	0.847	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051219\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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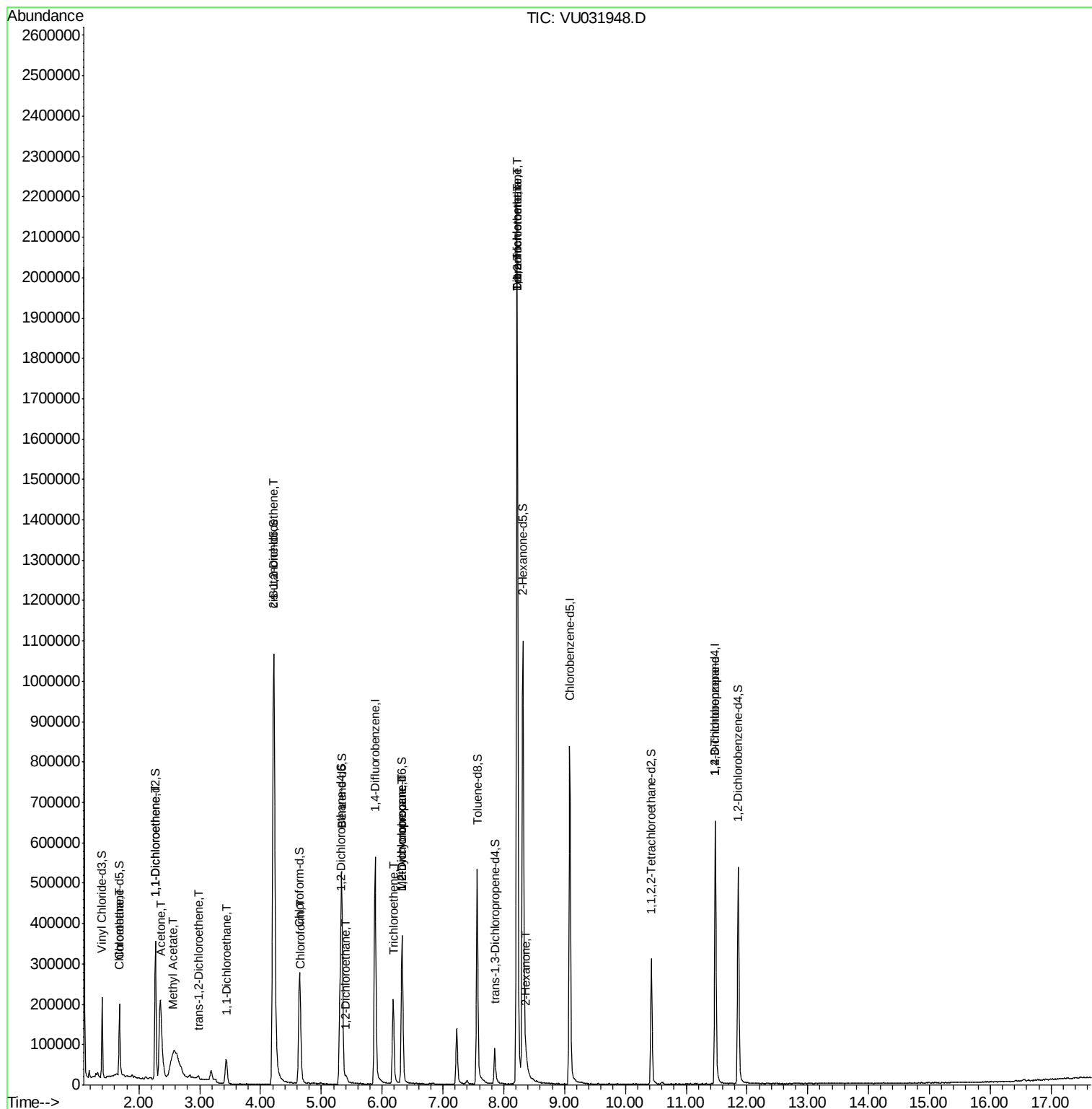
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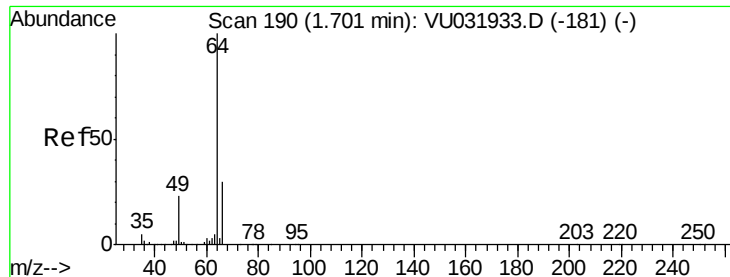
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.115 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.01 min

Lab File: VU031948.D

Acq: 12 May 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

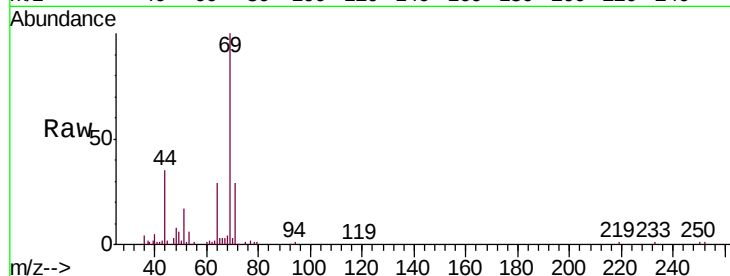
F9D51

Tgt Ion: 64 Resp: 3617

Ion Ratio Lower Upper

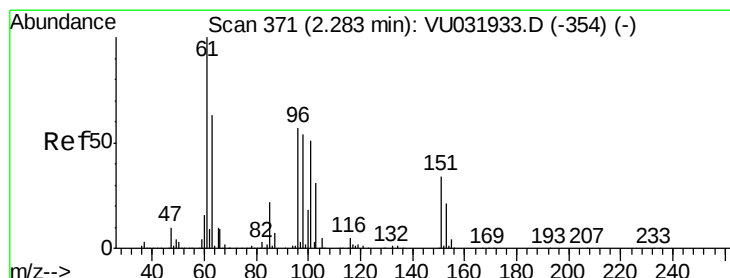
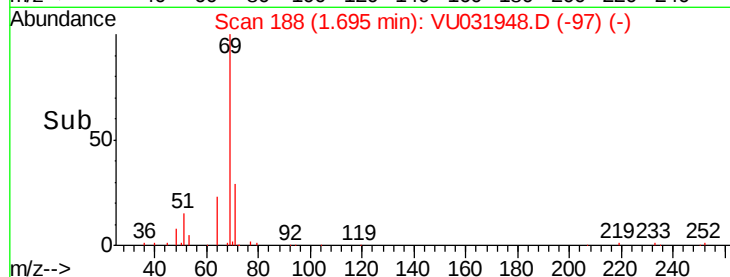
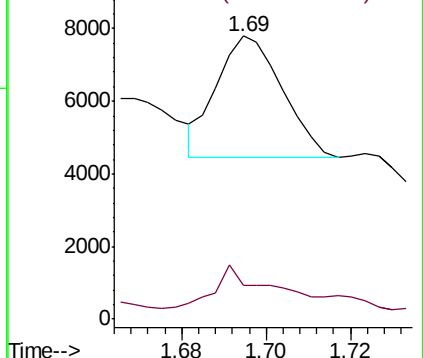
64 100

66 11.8 21.9 40.7#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#12

1,1-Dichloroethene

Concen: 0.538 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031948.D

Acq: 12 May 2019 17:15

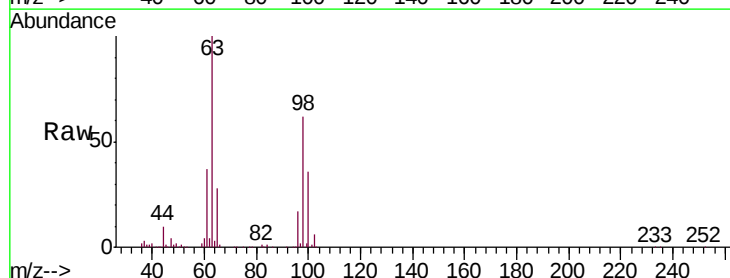
Tgt Ion: 96 Resp: 17492

Ion Ratio Lower Upper

96 100

61 213.1 149.0 276.6

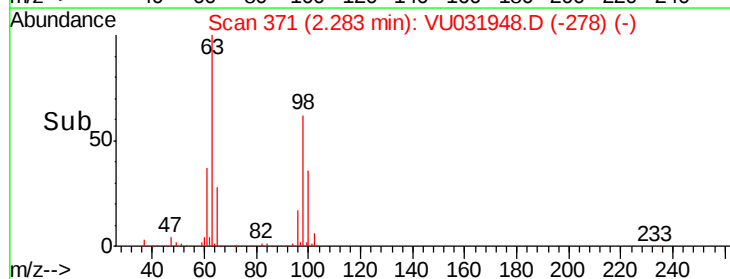
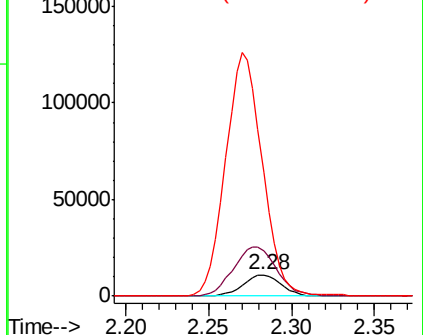
63 577.1 99.8 185.4#

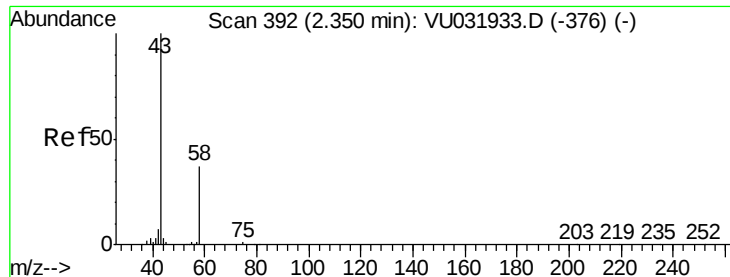


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.611 ug/L

RT: 2.35 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU031948.D

Acq: 12 May 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

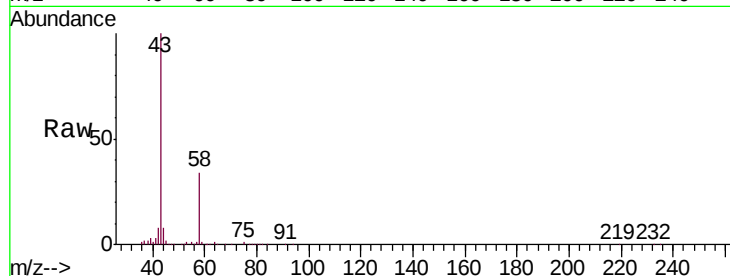
F9D51

Tgt Ion: 43 Resp: 396323

Ion Ratio Lower Upper

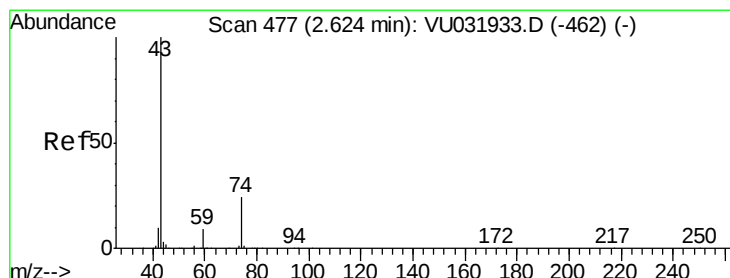
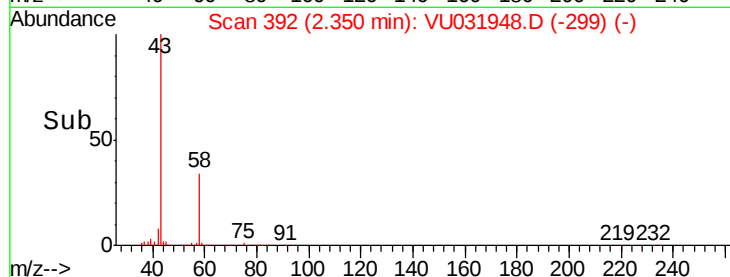
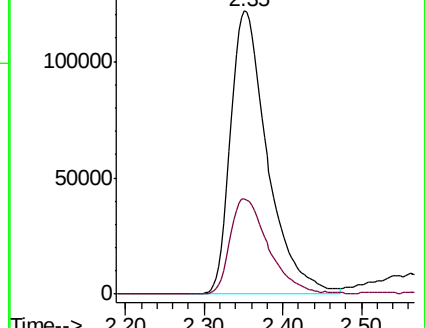
43 100

58 35.0 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VU031933.D (-376) (-)

Ion 58.05 (57.75 to 58.75): VU031933.D (-376) (-)



#15

Methyl Acetate

Concen: 0.627 ug/L

RT: 2.55 min Scan# 453

Delta R.T. -0.08 min

Lab File: VU031948.D

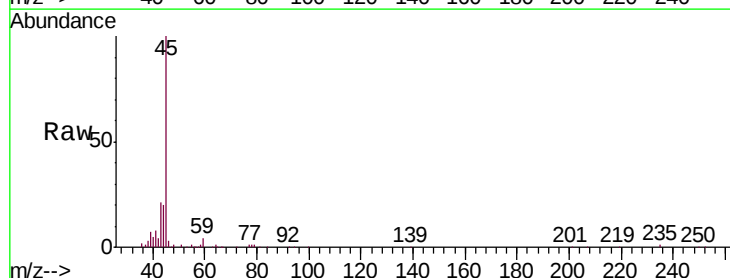
Acq: 12 May 2019 17:15

Tgt Ion: 43 Resp: 14049

Ion Ratio Lower Upper

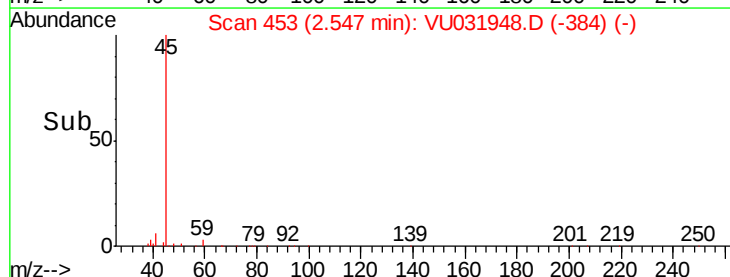
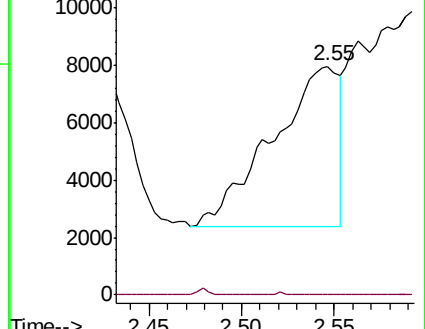
43 100

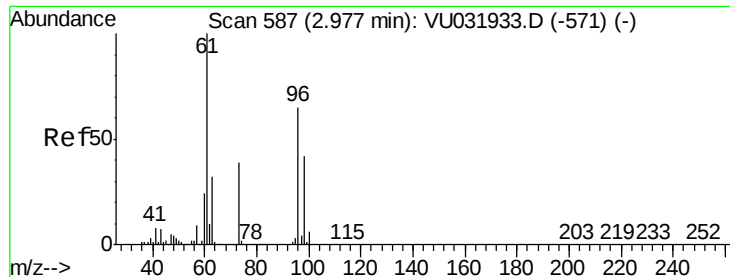
74 0.1 14.7 22.1#



Abundance Ion 43.05 (42.75 to 43.75): VU031933.D (-462) (-)

Ion 74.05 (73.75 to 74.75): VU031933.D (-462) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.083 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU031948.D

Acq: 12 May 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

F9D51

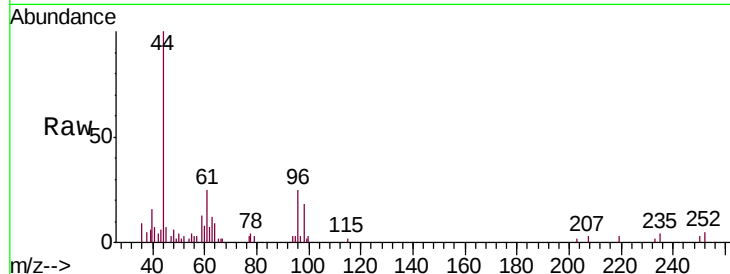
Tgt Ion: 96 Resp: 2915

Ion Ratio Lower Upper

96 100

61 96.7 130.9 243.1#

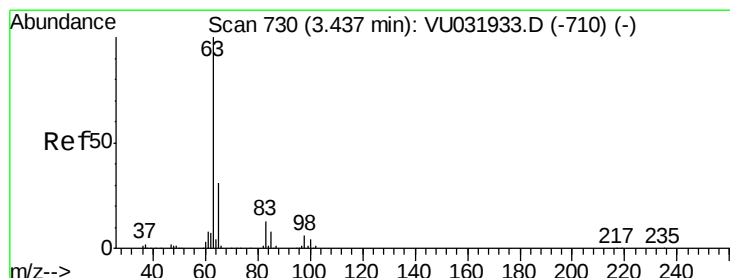
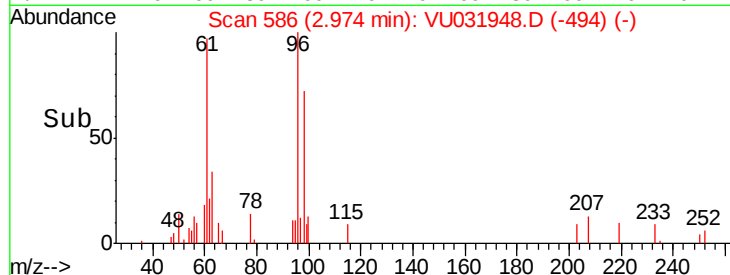
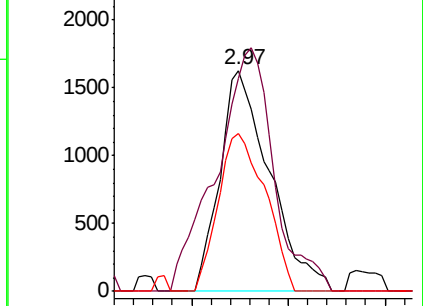
98 71.8 46.2 85.8



Abundance Ion 96.00 (95.70 to 96.70): VU031933.D (-571) (-)

Ion 61.05 (60.75 to 61.75): VU031933.D (-571) (-)

Ion 97.95 (97.65 to 98.65): VU031933.D (-571) (-)



#19

1,1-Dichloroethane

Concen: 0.608 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU031948.D

Acq: 12 May 2019 17:15

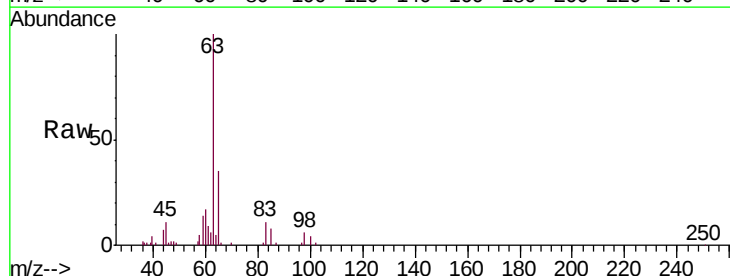
Tgt Ion: 63 Resp: 52385

Ion Ratio Lower Upper

63 100

65 34.8 21.8 40.4

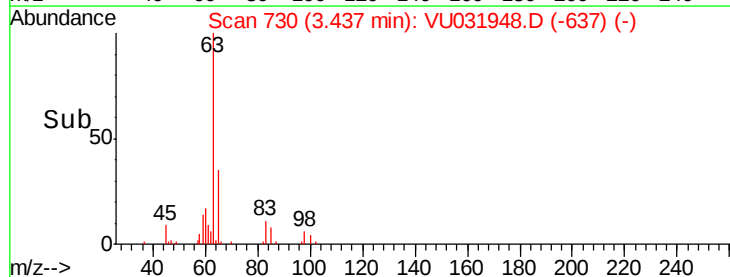
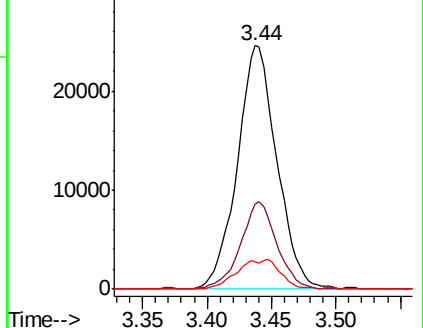
83 11.2 7.9 14.7

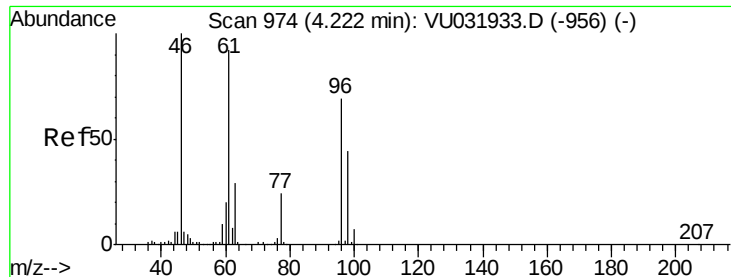


Abundance Ion 63.10 (62.80 to 63.80): VU031933.D (-710) (-)

Ion 65.10 (64.80 to 65.80): VU031933.D (-710) (-)

Ion 83.05 (82.75 to 83.75): VU031933.D (-710) (-)



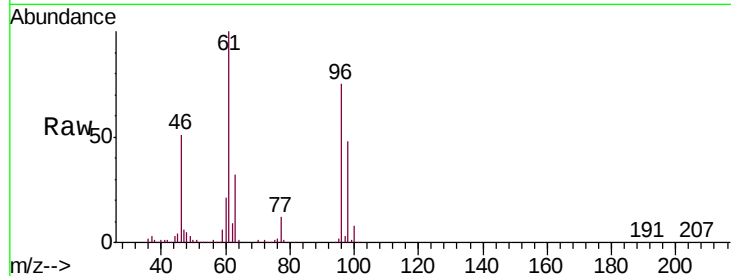


#22

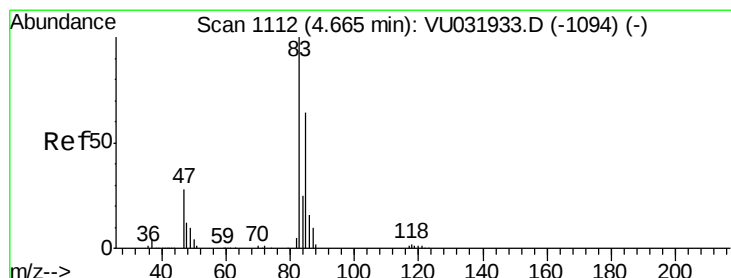
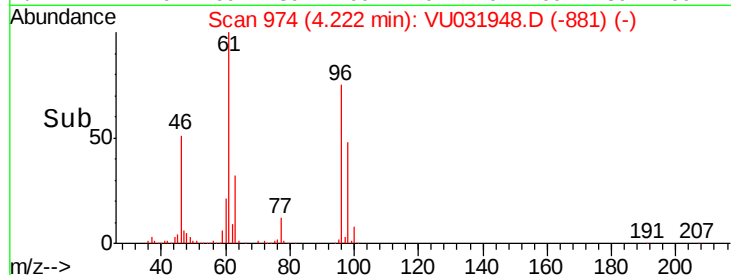
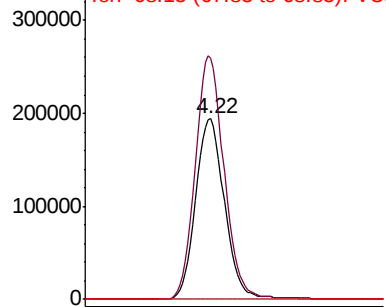
cis-1,2-Dichloroethene
 Concen: 11.430 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU031948.D
 Acq: 12 May 2019 17:15

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D51

Tgt Ion: 96 Resp: 480898
 Ion Ratio Lower Upper
 96 100
 61 133.6 113.3 210.5
 68 0.0 0.0 0.0



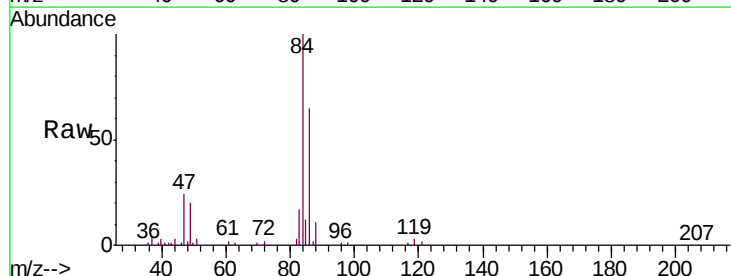
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



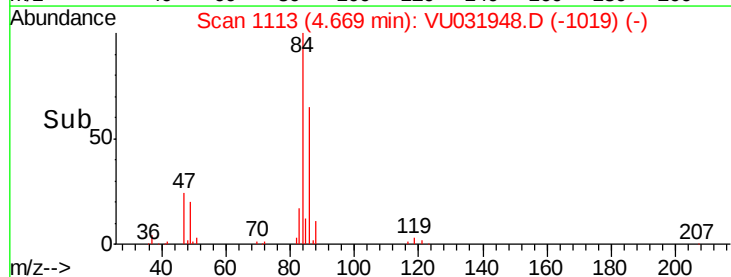
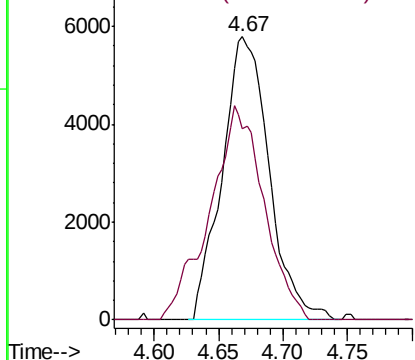
#25

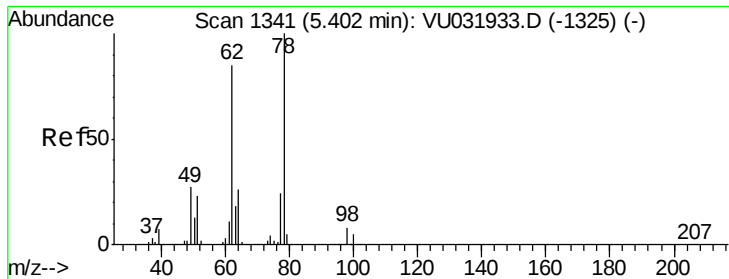
Chloroform
 Concen: 0.173 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VU031948.D
 Acq: 12 May 2019 17:15

Tgt Ion: 83 Resp: 14695
 Ion Ratio Lower Upper
 83 100
 85 67.7 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

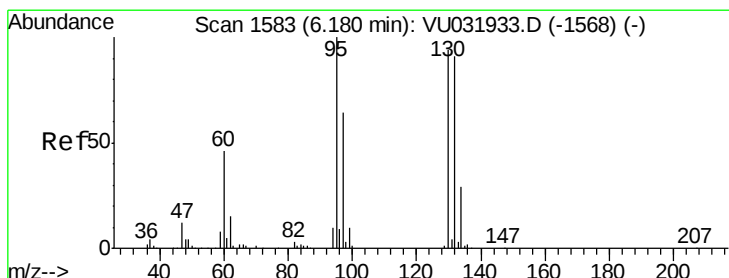
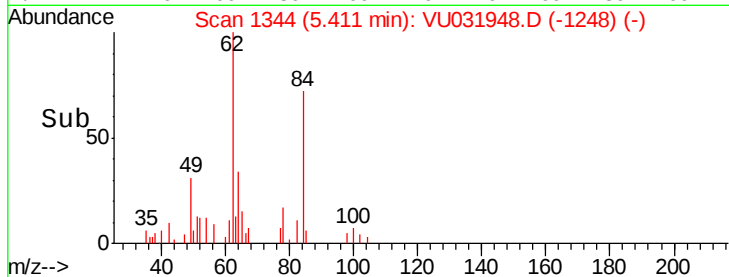
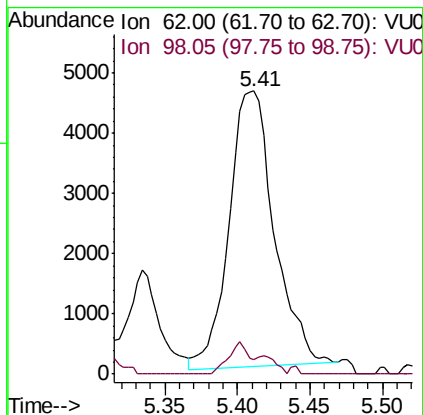
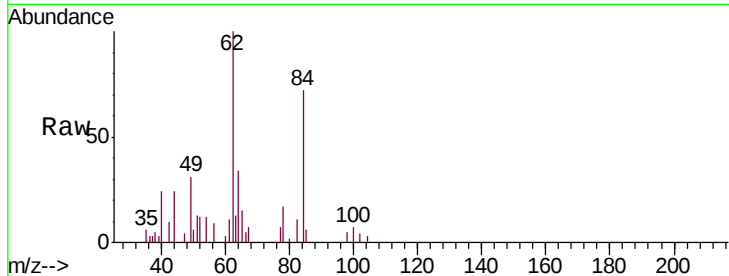




#27
 1,2-Dichloroethane
 Concen: 0.178 ug/L
 RT: 5.41 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VU031948.D
 Acq: 12 May 2019 17:15

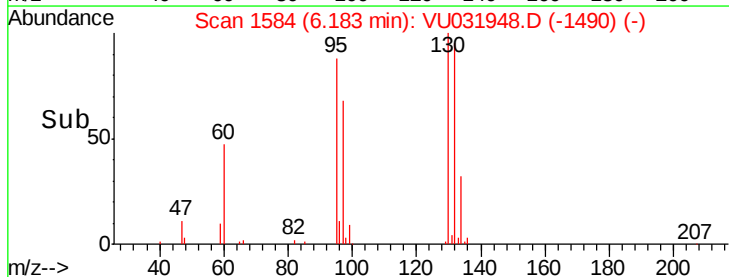
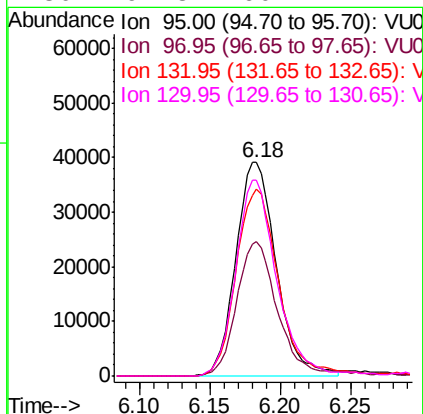
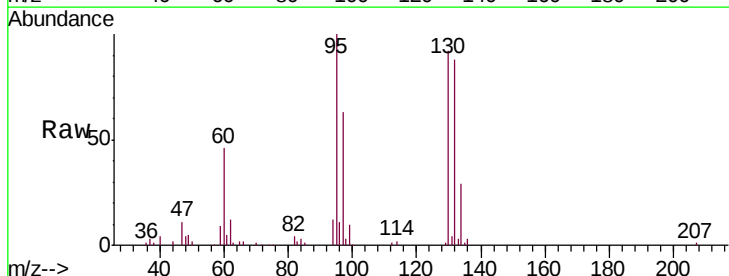
Instrument :
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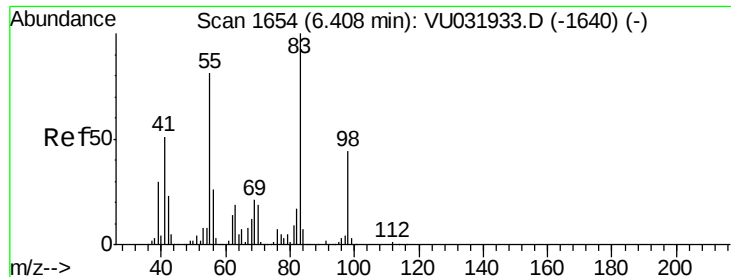
Tgt Ion: 62 Resp: 9937
 Ion Ratio Lower Upper
 62 100
 98 5.0 5.4 8.2#



#34
 Trichloroethene
 Concen: 1.848 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031948.D
 Acq: 12 May 2019 17:15

Tgt Ion: 95 Resp: 78566
 Ion Ratio Lower Upper
 95 100
 97 62.8 45.8 85.2
 132 87.5 56.0 104.0
 130 91.8 60.4 112.2





#35

Methylcyclohexane

Concen: 0.675 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU031948.D

Acq: 12 May 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

F9D51

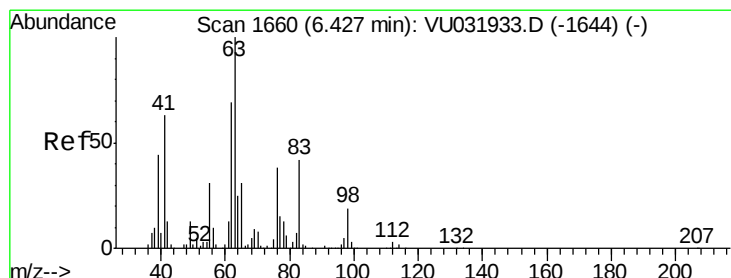
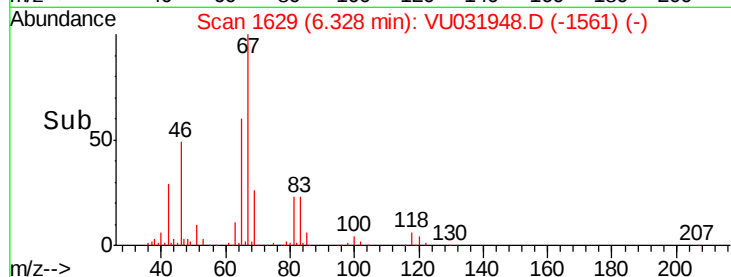
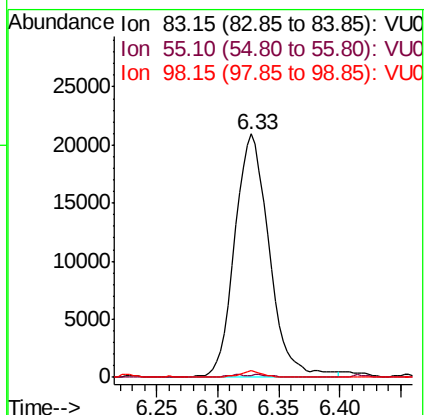
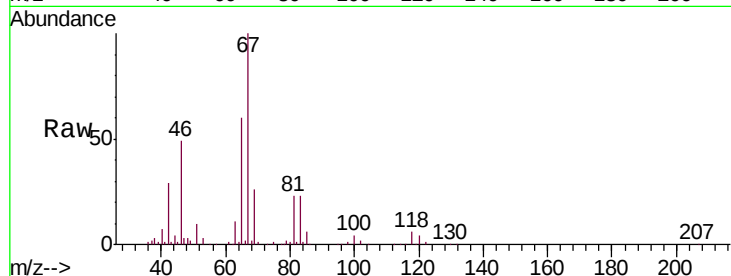
Tgt Ion: 83 Resp: 41186

Ion Ratio Lower Upper

83 100

55 0.6 79.2 118.8#

98 1.7 34.0 51.0#



#37

1,2-Dichloropropane

Concen: 0.414 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU031948.D

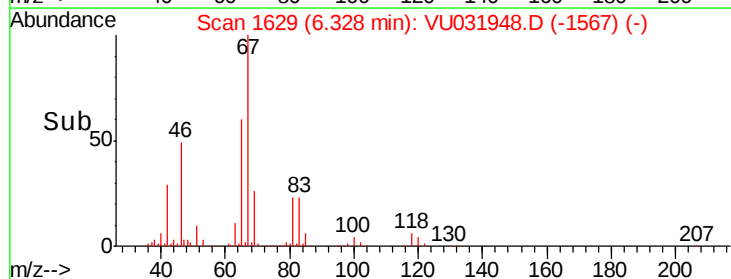
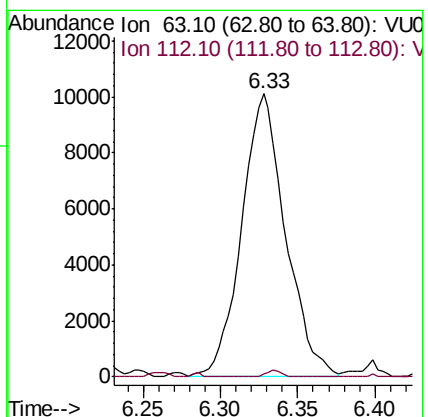
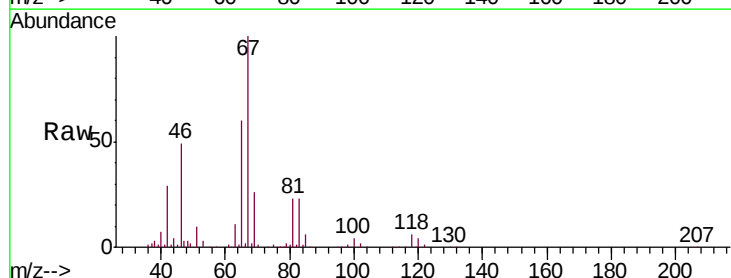
Acq: 12 May 2019 17:15

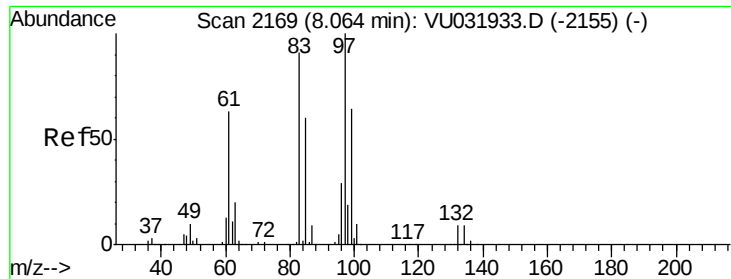
Tgt Ion: 63 Resp: 19987

Ion Ratio Lower Upper

63 100

112 0.8 2.5 3.7#

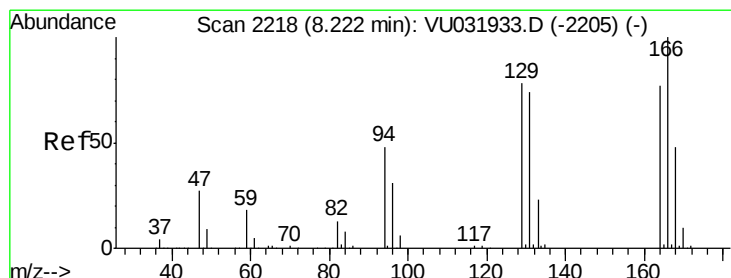
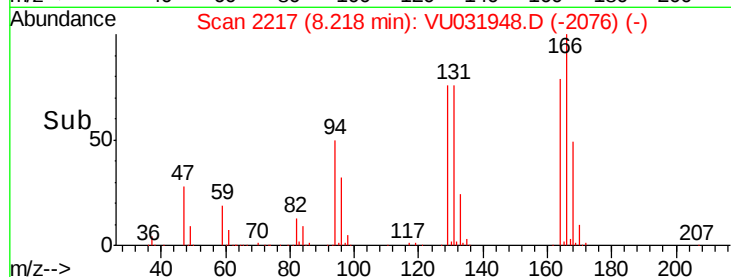
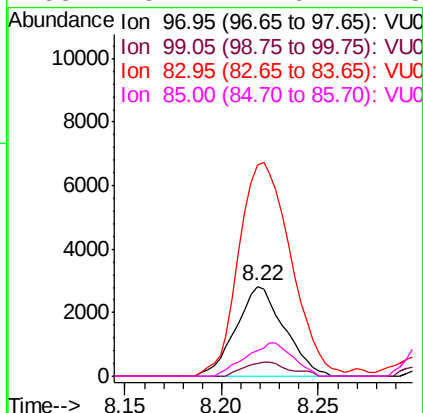
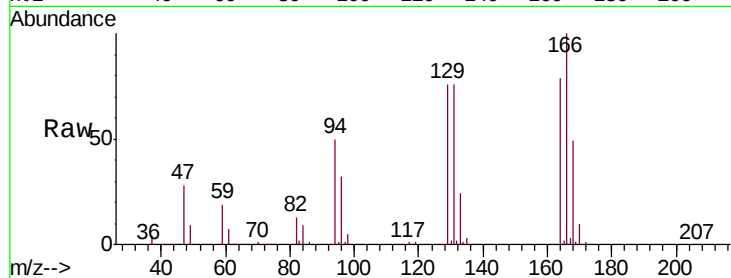




#45
 1,1,2-Trichloroethane
 Concen: 0.171 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. 0.15 min
 Lab File: VU031948.D
 Acq: 12 May 2019 17:15

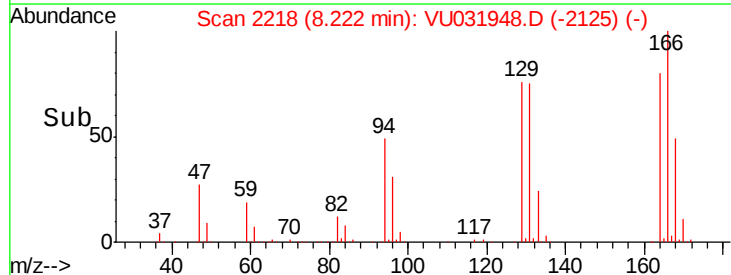
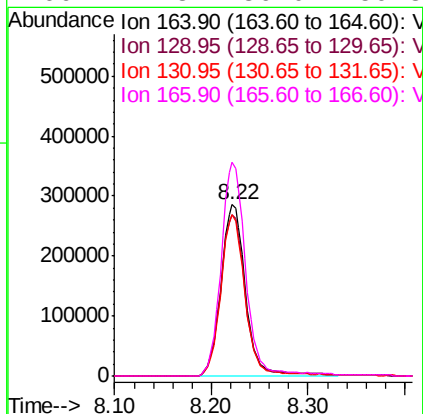
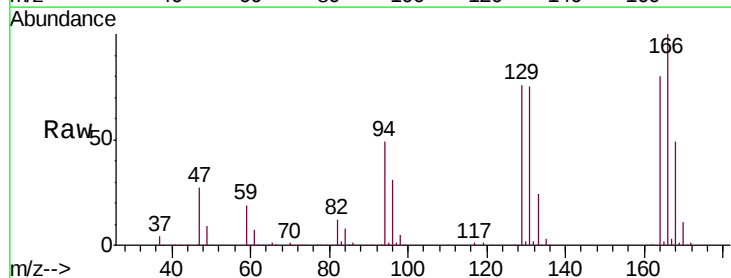
Instrument :
 MSVOA_U
 ClientSampleId :
 F9D51

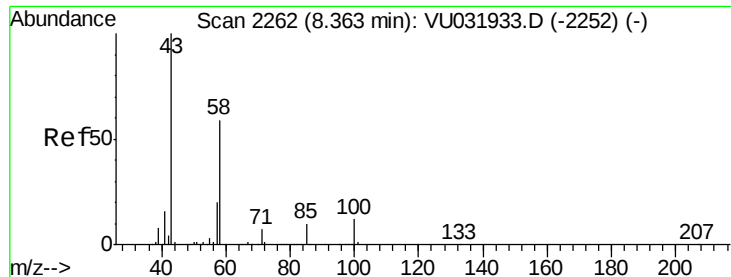
Tgt Ion: 97 Resp: 4900
 Ion Ratio Lower Upper
 97 100
 99 14.2 45.8 85.0#
 83 234.9 64.5 119.7#
 85 28.4 41.6 77.3#



#47
 Tetrachloroethene
 Concen: 18.219 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU031948.D
 Acq: 12 May 2019 17:15

Tgt Ion: 164 Resp: 503601
 Ion Ratio Lower Upper
 164 100
 129 94.3 70.3 130.5
 131 94.1 65.4 121.4
 166 124.8 86.0 159.8

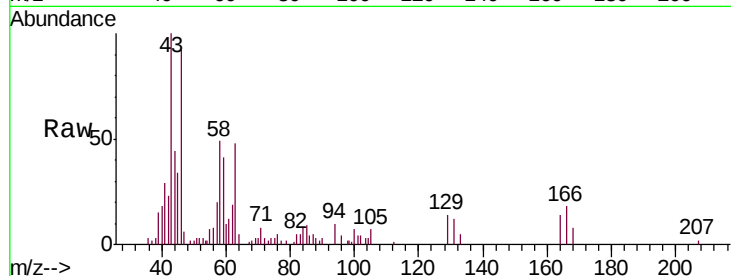




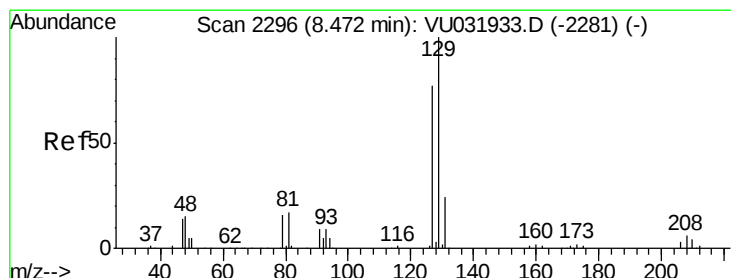
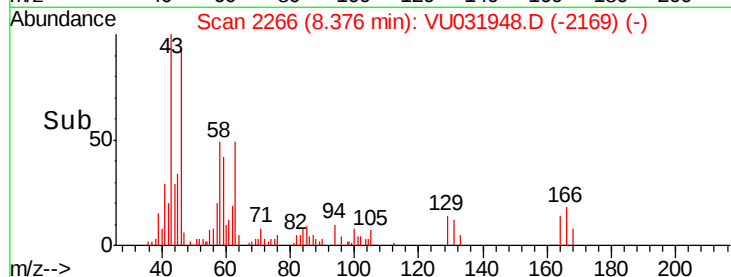
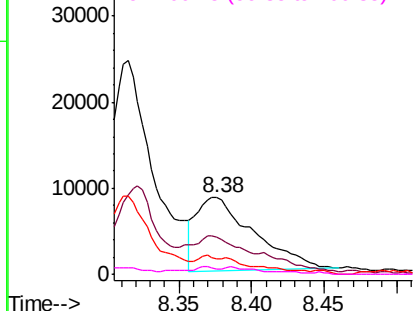
#48
2-Hexanone
Concen: 1.011 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.01 min
Lab File: VU031948.D
Acq: 12 May 2019 17:15

Instrument :
MSVOA_U
ClientSampleId :
F9D51

Tgt Ion:	43	Resp:	23336
Ion	Ratio	Lower	Upper
43	100		
58	17.3	40.2	60.2#
57	2.8	13.8	20.6#
100	6.2	6.4	9.6#

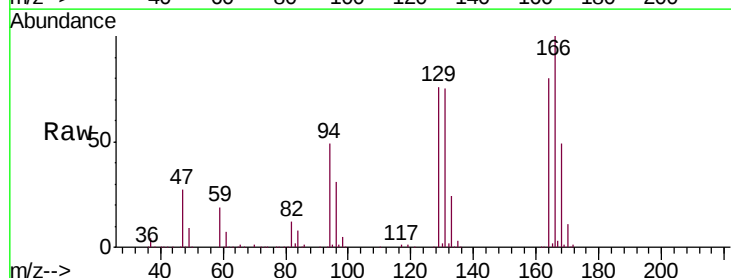


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

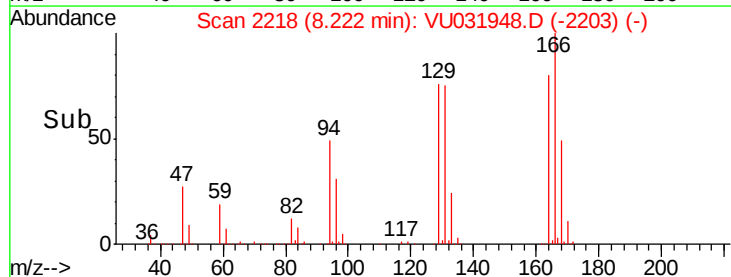
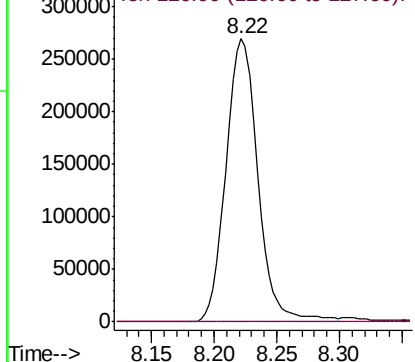


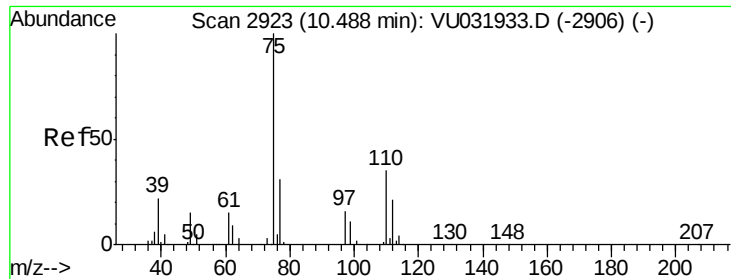
#49
Dibromochloromethane
Concen: 14.372 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU031948.D
Acq: 12 May 2019 17:15

Tgt Ion:	129	Resp:	477869
Ion	Ratio	Lower	Upper
129	100		
127	0.1	54.7	101.7#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.847 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031948.D

Acq: 12 May 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

F9D51

Tgt Ion: 75 Resp: 24204

Ion Ratio Lower Upper

75 100

77 30.8 26.3 39.5

