

Data File : VU031962.D
Acq On : 13 May 2019 11:14
Operator : JC/SP
Sample : K2791-15RE
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9D54

Quant Time: May 14 02:41:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 14 02:38:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	472259	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	489391	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	183040	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	110907	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	1.68	69	118858	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.27	63	176497	2.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.00%#
20) 2-Butanone-d5	4.20	46	506409	40.30	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.60%
24) Chloroform-d	4.64	84	259809	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
26) 1,2-Dichloroethane-d4	5.31	65	147632	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.60%
32) Benzene-d6	5.33	84	486870	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.80%
36) 1,2-Dichloropropane-d6	6.33	67	175419	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.20%
41) Toluene-d8	7.56	98	365777	3.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.20%#
43) trans-1,3-Dichloropropene-	7.85	79	53911	3.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.80%
46) 2-Hexanone-d5	8.31	63	363856	44.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	157622	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	143050	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	10736	0.166 ug/L	92
8) Chloroethane	1.70	64	12438	0.399 ug/L #	83
12) 1,1-Dichloroethene	2.28	96	15937	0.496 ug/L #	1
13) Acetone	2.34	43	1067965	124.431 ug/L	83
15) Methyl Acetate	2.34	43	986470	44.551 ug/L #	59
18) trans-1,2-Dichloroethene	2.98	96	2413	0.070 ug/L	76
19) 1,1-Dichloroethane	3.44	63	49771	0.585 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	461353	11.102 ug/L	78
25) Chloroform	4.67	83	13866	0.166 ug/L	96
27) 1,2-Dichloroethane	5.41	62	12075	0.218 ug/L #	90
34) Trichloroethene	6.18	95	64610	1.502 ug/L	95
35) Methylcyclohexane	6.33	83	38740	0.627 ug/L #	11
37) 1,2-Dichloropropane	6.33	63	18698	0.383 ug/L #	94
47) Tetrachloroethene	8.22	164	337723	12.072 ug/L	98
48) 2-Hexanone	8.37	43	25546	1.094 ug/L #	60
49) Dibromochloromethane	8.22	129	334188	9.931 ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	22633	0.783 ug/L	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051319\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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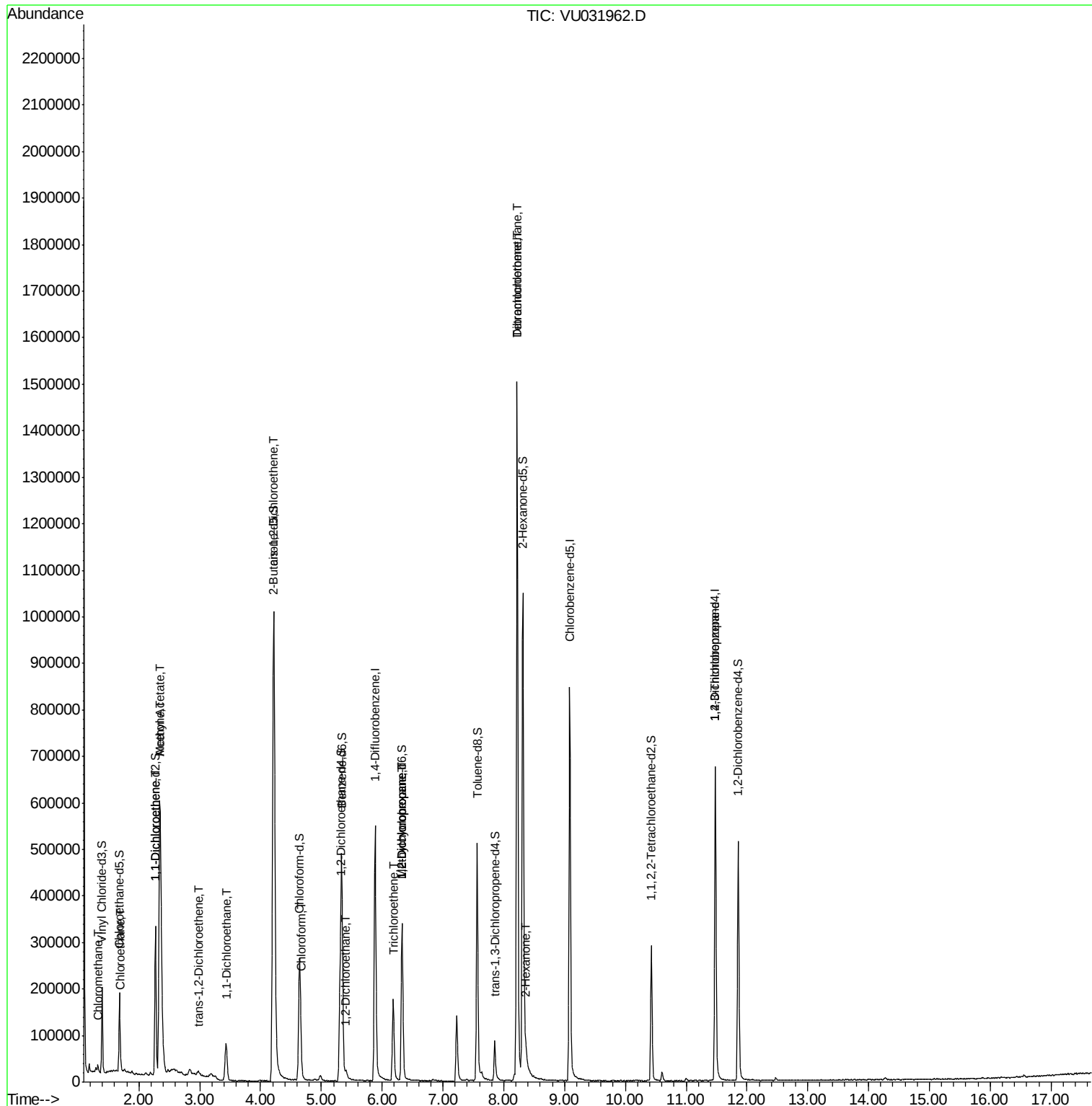
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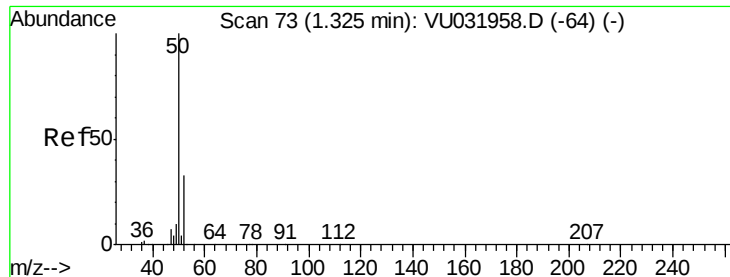
Data File : VU031962.D

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#3

Chloromethane

Concen: 0.166 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031962.D

Acq: 13 May 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

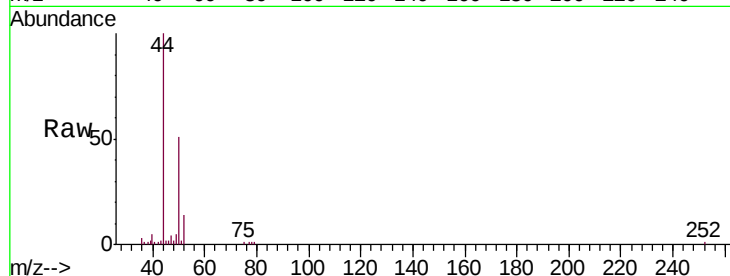
F9D54

Tgt Ion: 50 Resp: 10736

Ion Ratio Lower Upper

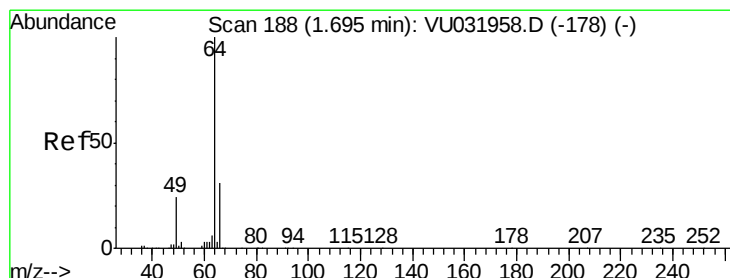
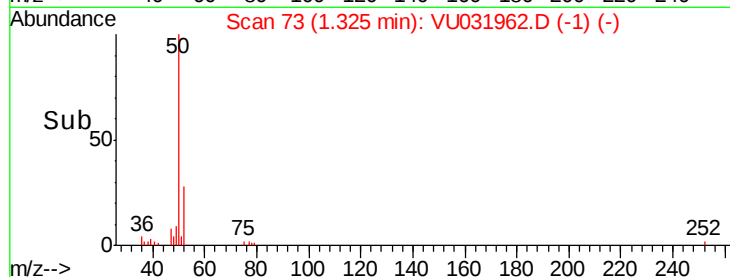
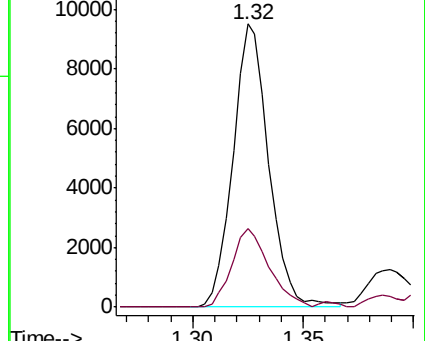
50 100

52 27.9 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU031958.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU031958.D (-64) (-)



#8

Chloroethane

Concen: 0.399 ug/L

RT: 1.70 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU031962.D

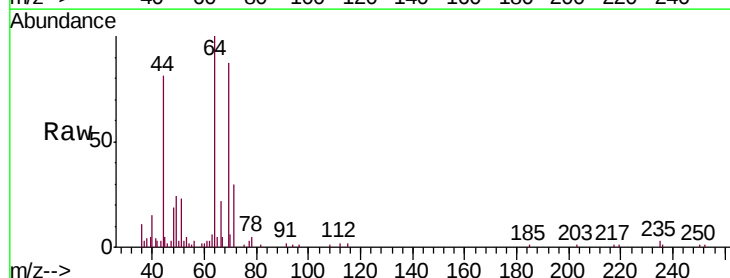
Acq: 13 May 2019 11:14

Tgt Ion: 64 Resp: 12438

Ion Ratio Lower Upper

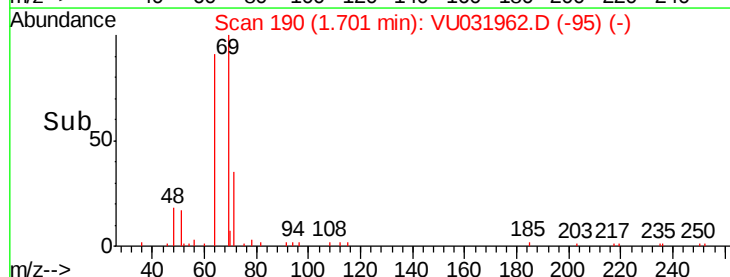
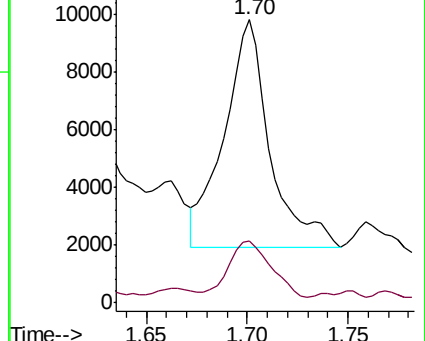
64 100

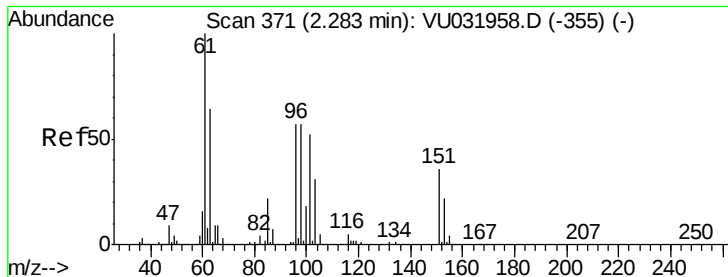
66 21.9 21.9 40.7#



Abundance Ion 64.10 (63.80 to 64.80): VU031958.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU031958.D (-178) (-)





#12

1,1-Dichloroethene

Concen: 0.496 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031962.D

Acq: 13 May 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

F9D54

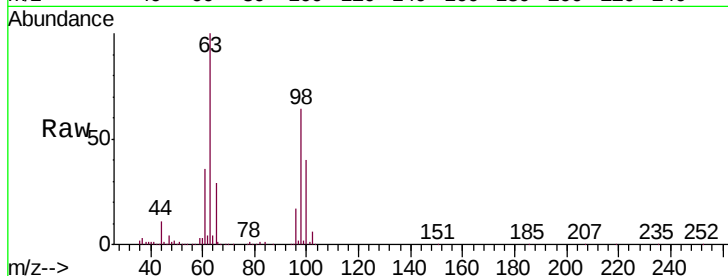
Tgt Ion: 96 Resp: 15937

Ion Ratio Lower Upper

96 100

61 211.4 149.0 276.6

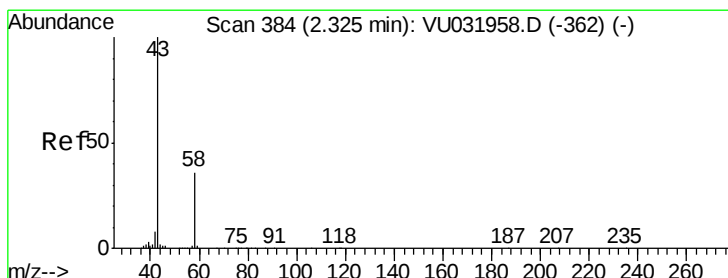
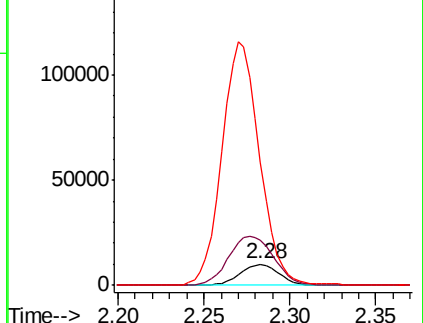
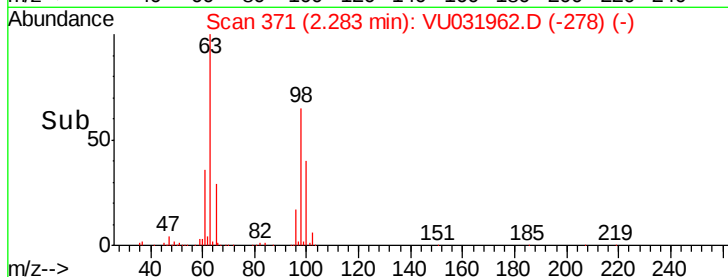
63 586.1 99.8 185.4#



Abundance Ion 96.00 (95.70 to 96.70): VU031958.D (-355) (-)

Ion 61.05 (60.75 to 61.75): VU031958.D (-355) (-)

Ion 63.00 (62.70 to 63.70): VU031958.D (-355) (-)



#13

Acetone

Concen: 124.431 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.02 min

Lab File: VU031962.D

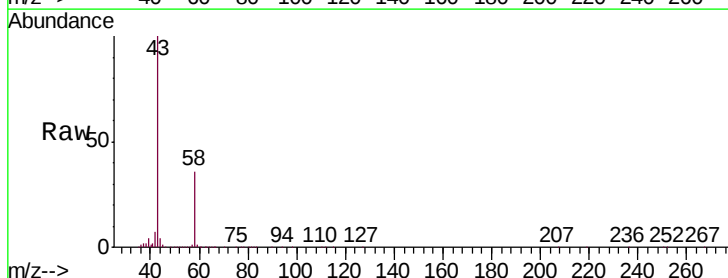
Acq: 13 May 2019 11:14

Tgt Ion: 43 Resp: 1067965

Ion Ratio Lower Upper

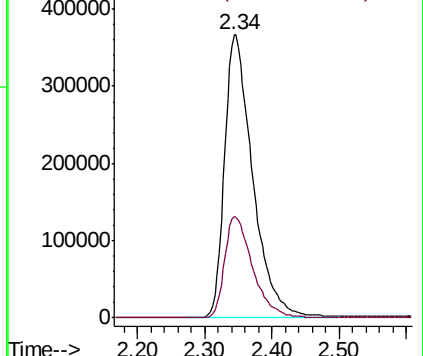
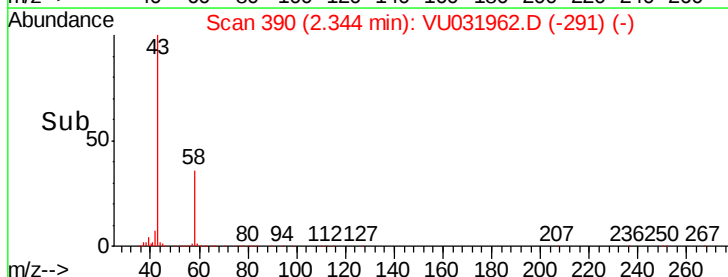
43 100

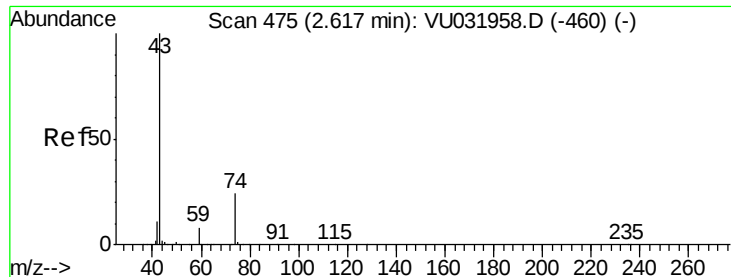
58 35.7 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VU031958.D (-362) (-)

Ion 58.05 (57.75 to 58.75): VU031958.D (-362) (-)





#15

Methyl Acetate

Concen: 44.551 ug/L

RT: 2.34 min Scan# 390

Delta R.T. -0.27 min

Lab File: VU031962.D

Acq: 13 May 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

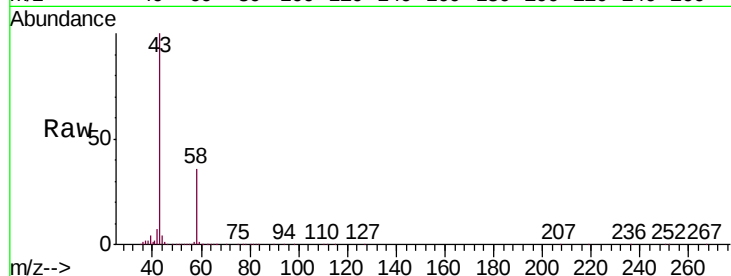
F9D54

Tgt Ion: 43 Resp: 986470

Ion Ratio Lower Upper

43 100

74 0.0 14.7 22.1#



Abundance Ion 43.05 (42.75 to 43.75): VU031958.D (-460) (-)

Ion 74.05 (73.75 to 74.75): VU031958.D (-460) (-)

2.34

400000

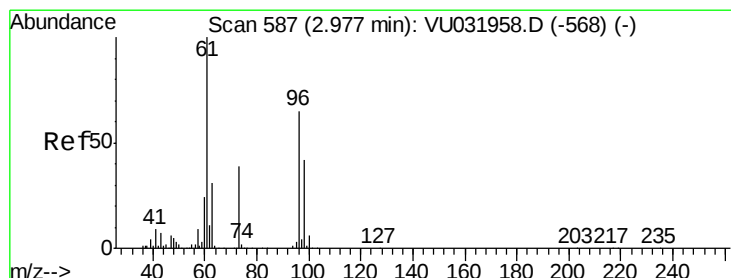
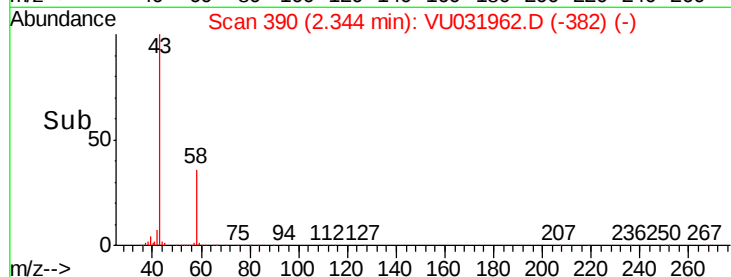
300000

200000

100000

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.070 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU031962.D

Acq: 13 May 2019 11:14

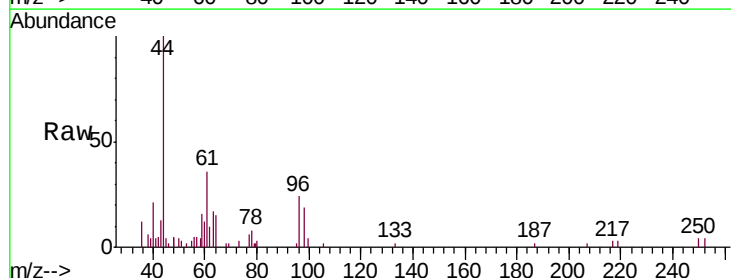
Tgt Ion: 96 Resp: 2413

Ion Ratio Lower Upper

96 100

61 146.9 130.9 243.1

98 77.1 46.2 85.8



Abundance Ion 96.00 (95.70 to 96.70): VU031958.D (-568) (-)

Ion 61.05 (60.75 to 61.75): VU031958.D (-568) (-)

Ion 97.95 (97.65 to 98.65): VU031958.D (-568) (-)

2.98

3000

2500

2000

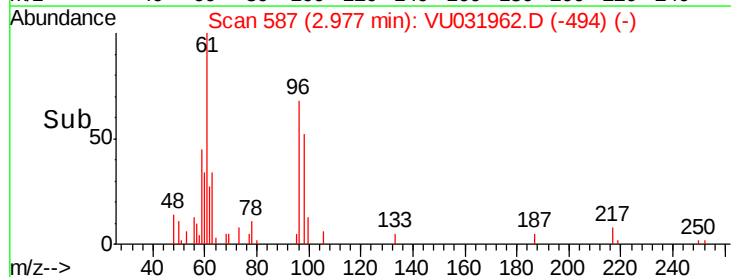
1500

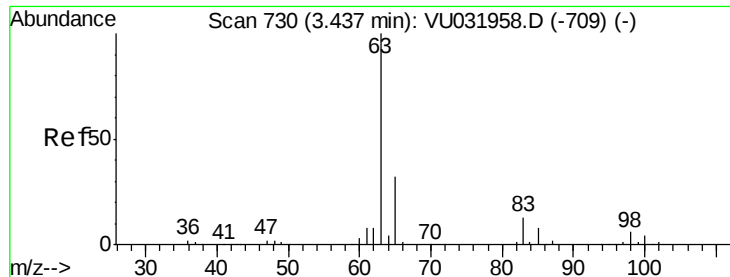
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500

0

Time-->

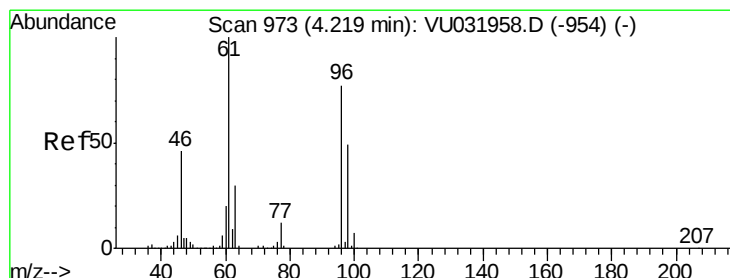
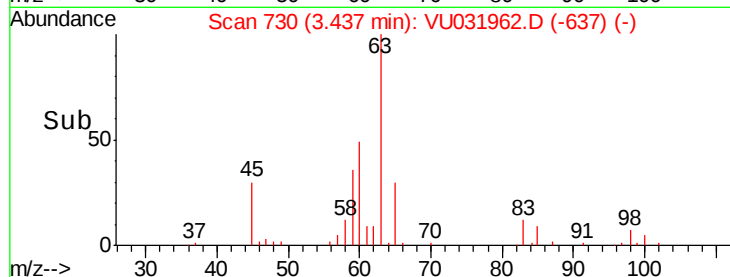
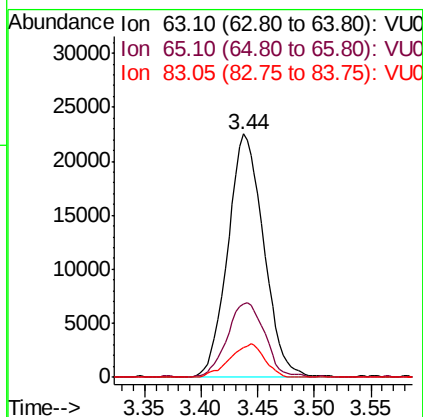
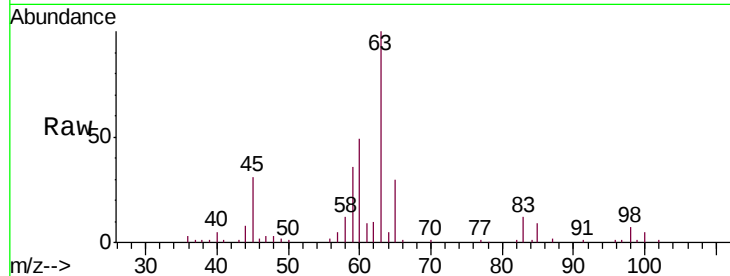




#19
 1,1-Dichloroethane
 Concen: 0.585 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031962.D
 Acq: 13 May 2019 11:14

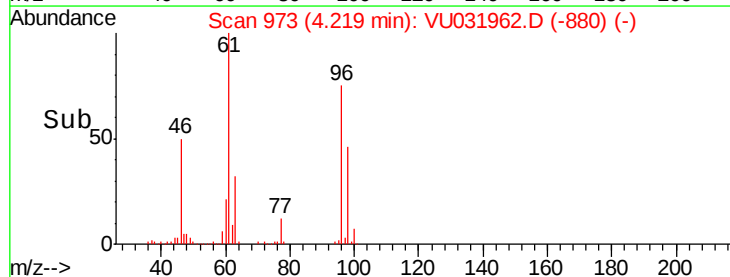
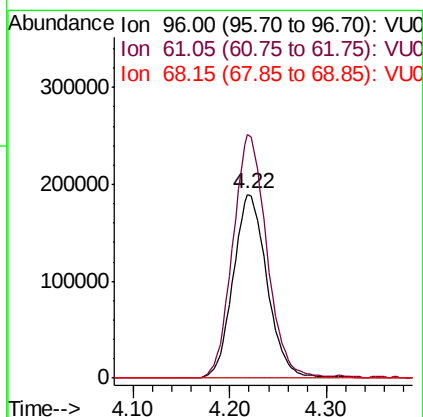
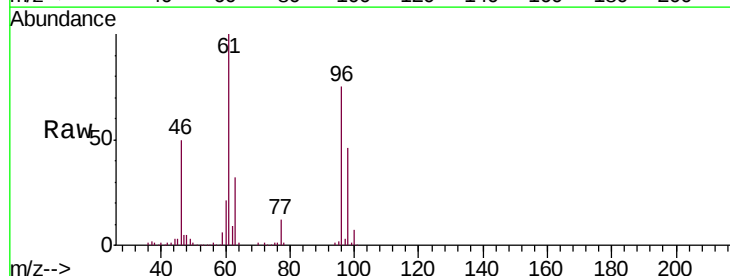
Instrument :
 MSVOA_U
 ClientSampleId :
 F9D54

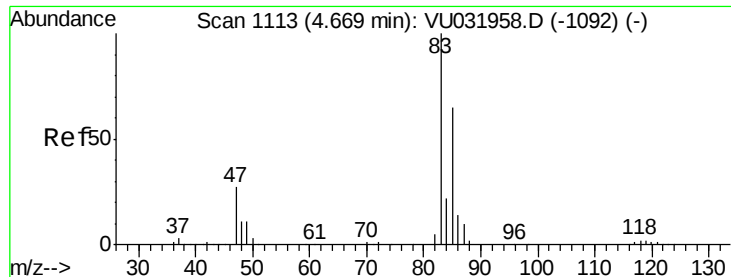
Tgt Ion:	63	Resp:	49771
Ion	Ratio	Lower	Upper
63	100		
65	30.0	21.8	40.4
83	12.3	7.9	14.7



#22
 cis-1,2-Dichloroethene
 Concen: 11.102 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031962.D
 Acq: 13 May 2019 11:14

Tgt Ion:	96	Resp:	461353
Ion	Ratio	Lower	Upper
96	100		
61	132.5	113.3	210.5
68	0.0	0.0	0.0

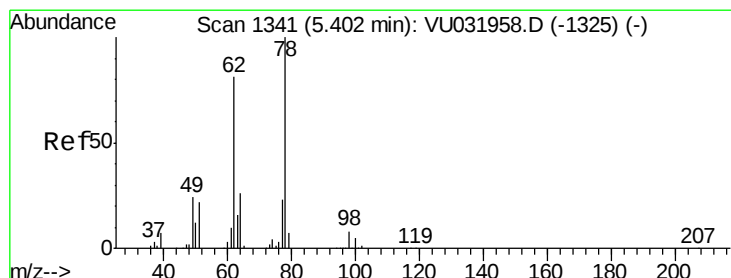
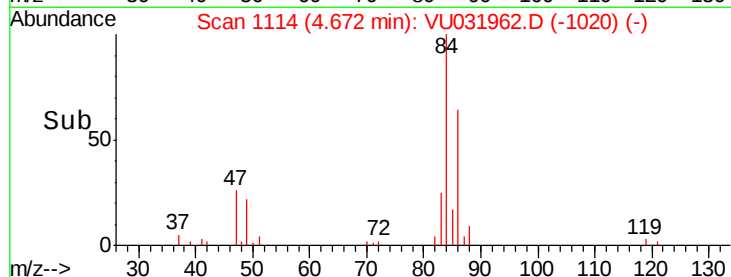
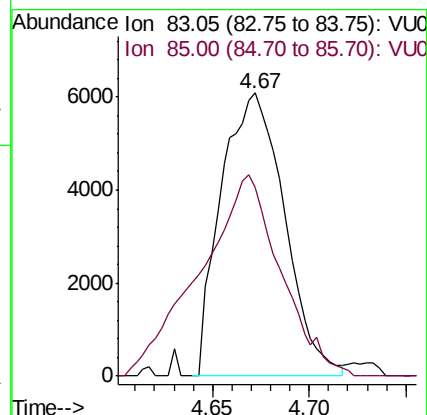
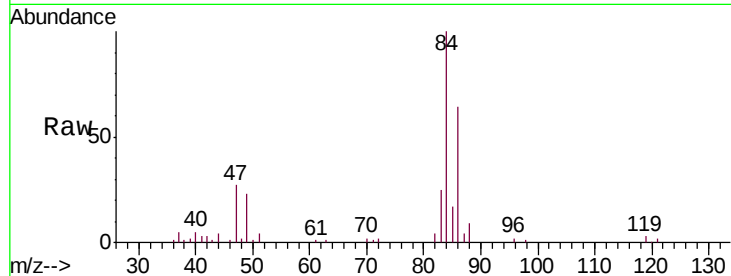




#25
Chloroform
Concen: 0.166 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU031962.D
Acq: 13 May 2019 11:14

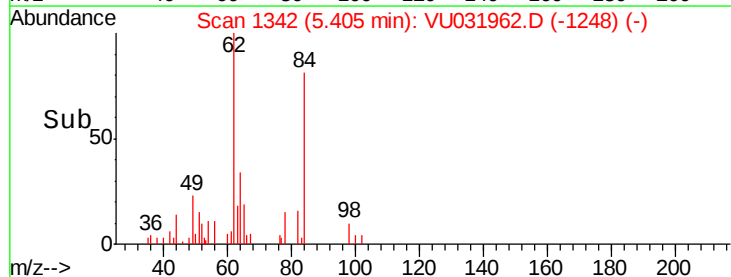
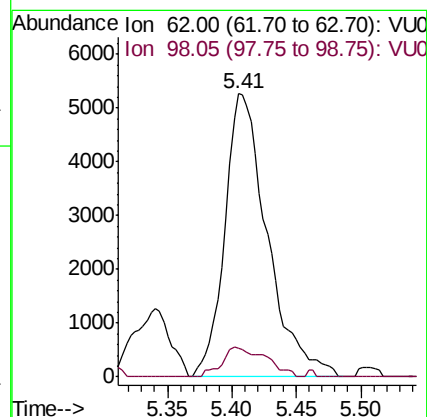
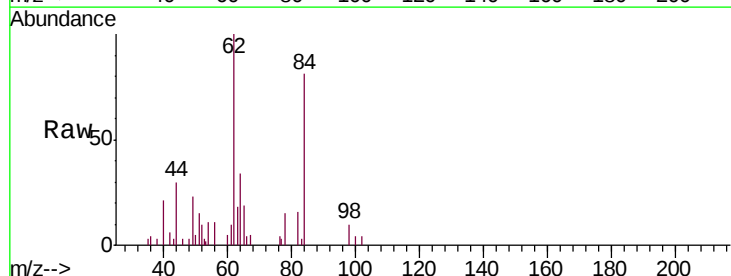
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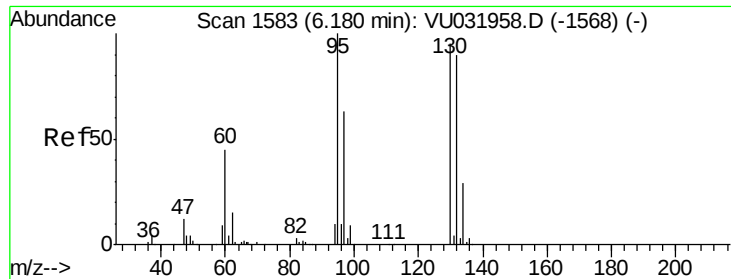
Tgt Ion: 83 Resp: 13866
Ion Ratio Lower Upper
83 100
85 66.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.218 ug/L
RT: 5.41 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU031962.D
Acq: 13 May 2019 11:14

Tgt Ion: 62 Resp: 12075
Ion Ratio Lower Upper
62 100
98 10.2 5.4 8.2#

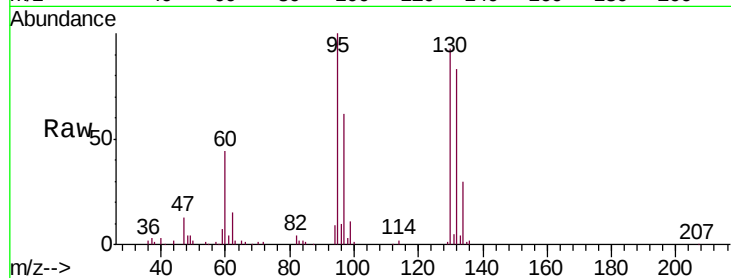




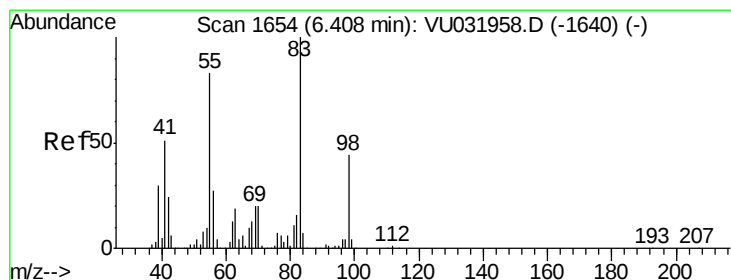
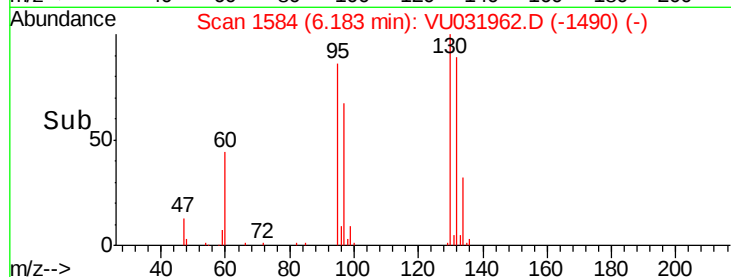
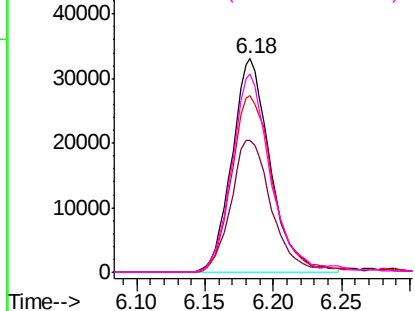
#34
 Trichloroethene
 Concen: 1.502 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031962.D
 Acq: 13 May 2019 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 F9D54

Tgt Ion: 95 Resp: 64610
 Ion Ratio Lower Upper
 95 100
 97 61.9 45.8 85.2
 132 82.7 56.0 104.0
 130 92.8 60.4 112.2

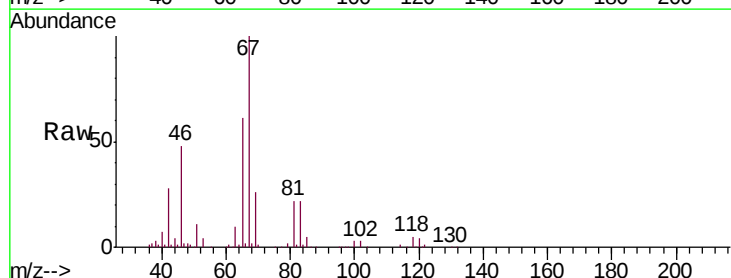


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

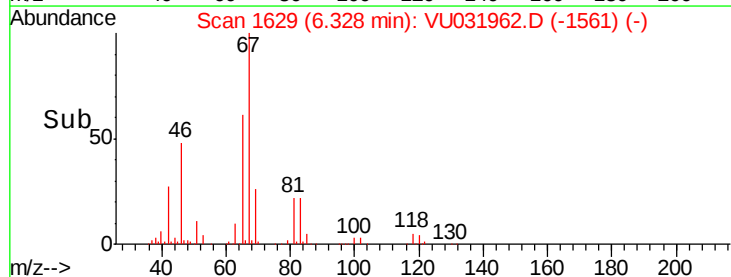
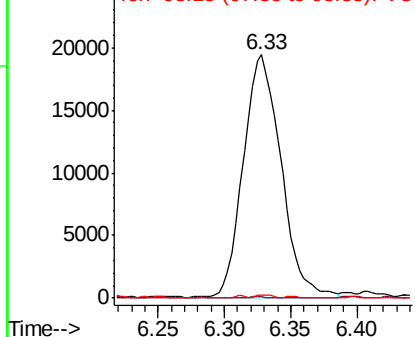


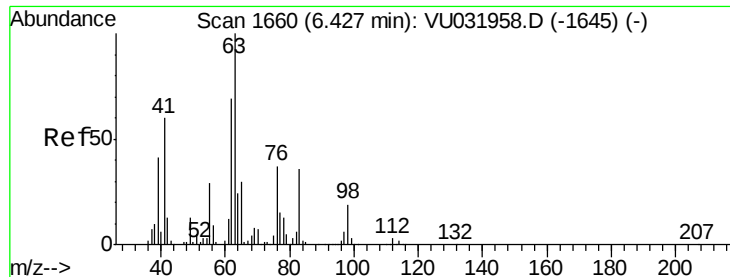
#35
 Methylcyclohexane
 Concen: 0.627 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.08 min
 Lab File: VU031962.D
 Acq: 13 May 2019 11:14

Tgt Ion: 83 Resp: 38740
 Ion Ratio Lower Upper
 83 100
 55 0.2 79.2 118.8#
 98 0.6 34.0 51.0#



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: 0.383 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU031962.D

Acq: 13 May 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

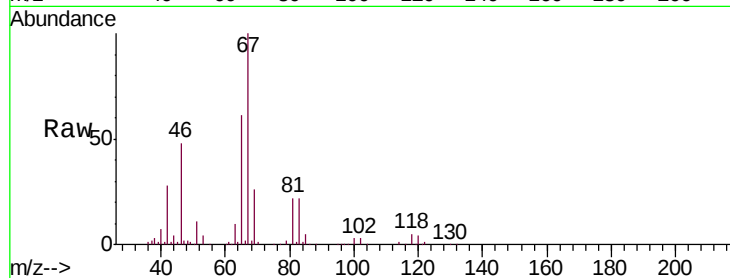
F9D54

Tgt Ion: 63 Resp: 18698

Ion Ratio Lower Upper

63 100

112 1.1 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU031958.D (-1645) (-)

Ion 112.10 (111.80 to 112.80): VU031958.D (-1645) (-)

6.33

10000

8000

6000

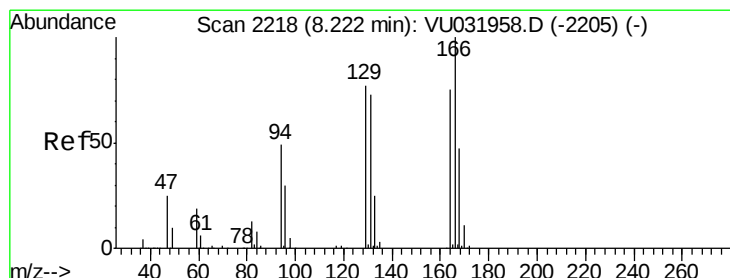
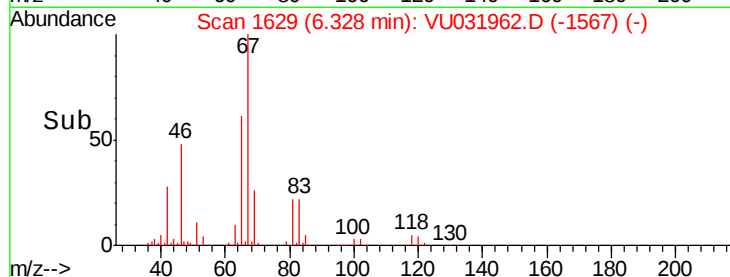
4000

2000

0

6.25 6.30 6.35 6.40

Time-->



#47

Tetrachloroethene

Concen: 12.072 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031962.D

Acq: 13 May 2019 11:14

Tgt Ion: 164 Resp: 337723

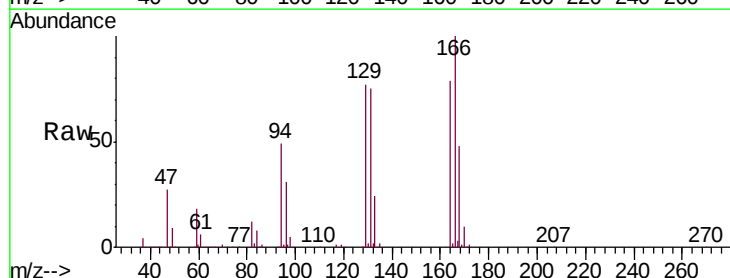
Ion Ratio Lower Upper

164 100

129 97.7 70.3 130.5

131 94.5 65.4 121.4

166 126.5 86.0 159.8



Abundance Ion 163.90 (163.60 to 164.60): VU031958.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VU031958.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VU031958.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VU031958.D (-2205) (-)

8.22

300000

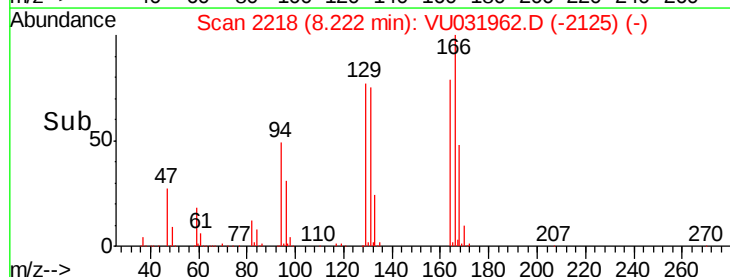
200000

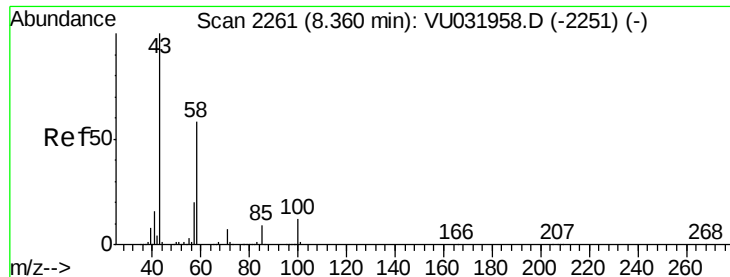
100000

0

8.15 8.20 8.25 8.30

Time-->

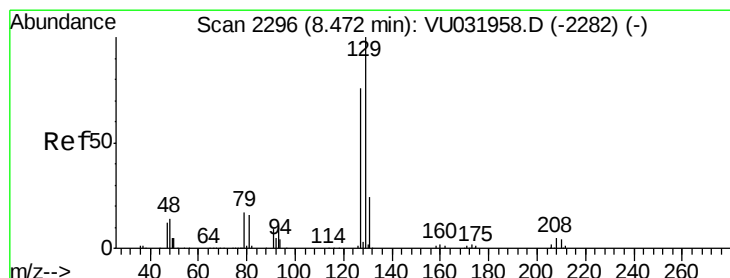
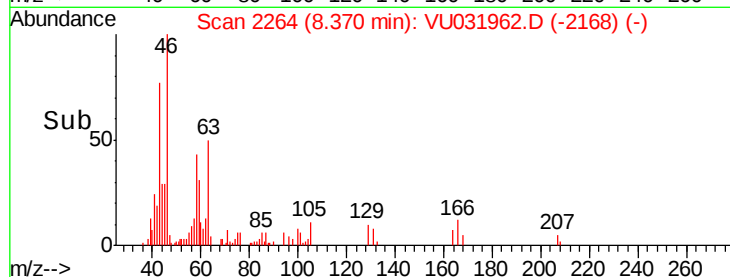
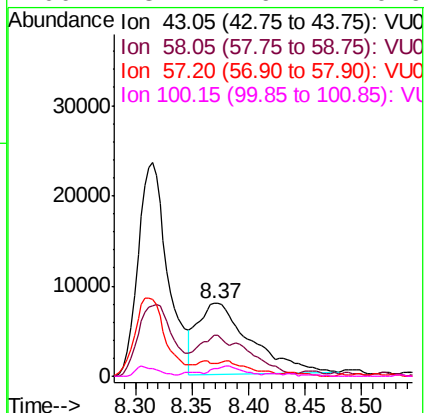
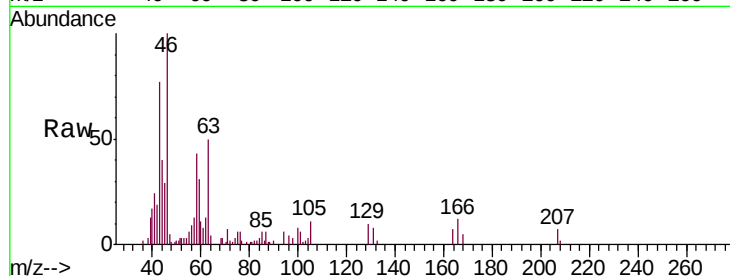




#48
2-Hexanone
Concen: 1.094 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU031962.D
Acq: 13 May 2019 11:14

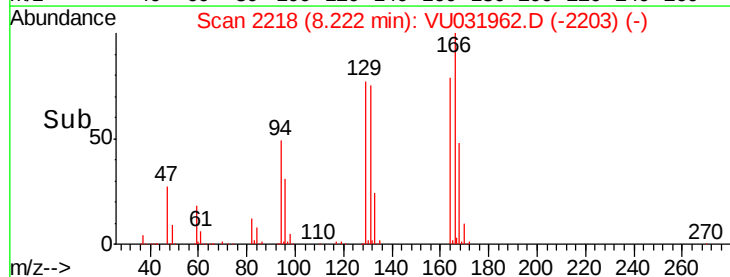
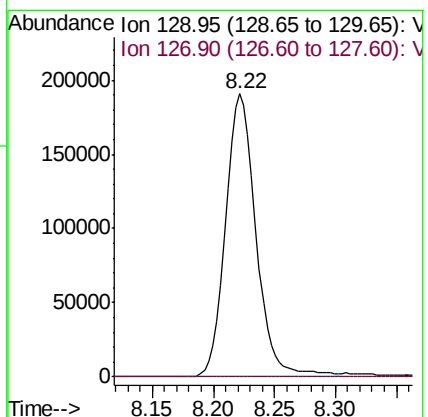
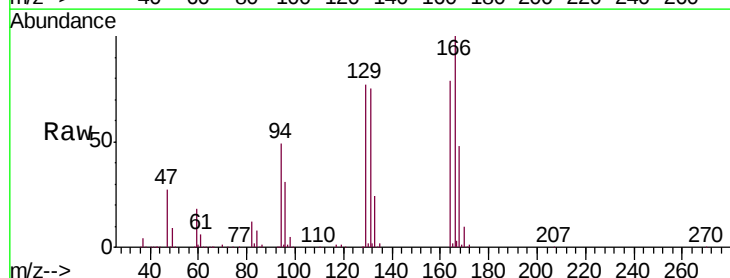
Instrument :
MSVOA_U
ClientSampleId :
F9D54

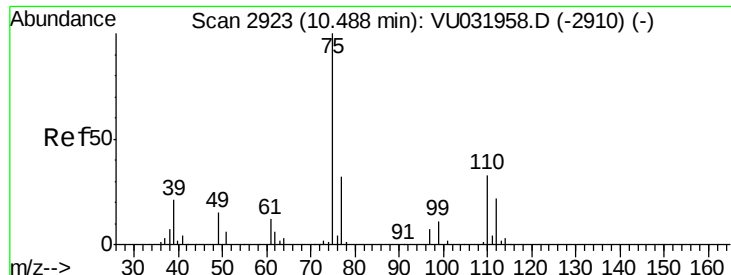
Tgt Ion: 43 Resp: 25546
Ion Ratio Lower Upper
43 100
58 11.3 40.2 60.2#
57 13.1 13.8 20.6#
100 8.1 6.4 9.6



#49
Dibromochloromethane
Concen: 9.931 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU031962.D
Acq: 13 May 2019 11:14

Tgt Ion: 129 Resp: 334188
Ion Ratio Lower Upper
129 100
127 0.1 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.783 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031962.D

Acq: 13 May 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

F9D54

Tgt Ion: 75 Resp: 22633

Ion Ratio Lower Upper

75 100

77 38.0 26.3 39.5

