

Data File : VU032149.D
Acq On : 20 May 2019 12:48
Operator : JC/SP
Sample : K2860-04DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W31DL

Quant Time: May 21 06:42:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 21 06:39:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	381122	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	387540	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	157626	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	106599	3.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.40%
7) Chloroethane-d5	1.68	69	96499	3.52	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.40%
11) 1,1-Dichloroethene-d2	2.27	63	152640	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	4.20	46	252730	40.10	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.20%
24) Chloroform-d	4.64	84	219135	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.60%
26) 1,2-Dichloroethane-d4	5.31	65	110861	3.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.20%
32) Benzene-d6	5.33	84	444395	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.20%
36) 1,2-Dichloropropane-d6	6.32	67	131187	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.00%
41) Toluene-d8	7.56	98	358513	3.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.80%#
43) trans-1,3-Dichloropropene-	7.85	79	46429	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	8.31	63	209848	37.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114615	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	141024	4.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.40%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	2382	0.130 ug/L	89
5) Vinyl chloride	1.40	62	2783	0.145 ug/L #	17
8) Chloroethane	1.69	64	1544	0.129 ug/L #	63
12) 1,1-Dichloroethene	2.27	96	3053	0.199 ug/L #	1
13) Acetone	2.34	43	27725	13.399 ug/L	95
15) Methyl Acetate	2.62	43	946	0.159 ug/L #	42
16) Methylene chloride	2.70	84	7107	0.389 ug/L	91
18) trans-1,2-Dichloroethene	2.97	96	6702	0.409 ug/L	90
22) cis-1,2-Dichloroethene	4.22	96	44439	2.757 ug/L	85
34) Trichloroethene	6.18	95	80144	4.965 ug/L	94
35) Methylcyclohexane	6.33	83	33705	1.450 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	13199	0.907 ug/L #	88
44) trans-1,3-Dichloropropene	7.85	75	1471	0.094 ug/L	97
47) Tetrachloroethene	8.23	164	1776	0.147 ug/L #	70
49) Dibromochloromethane	8.23	129	1646	0.133 ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	17113	1.852 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 21 06:39:31 2019
Response via : Initial Calibration

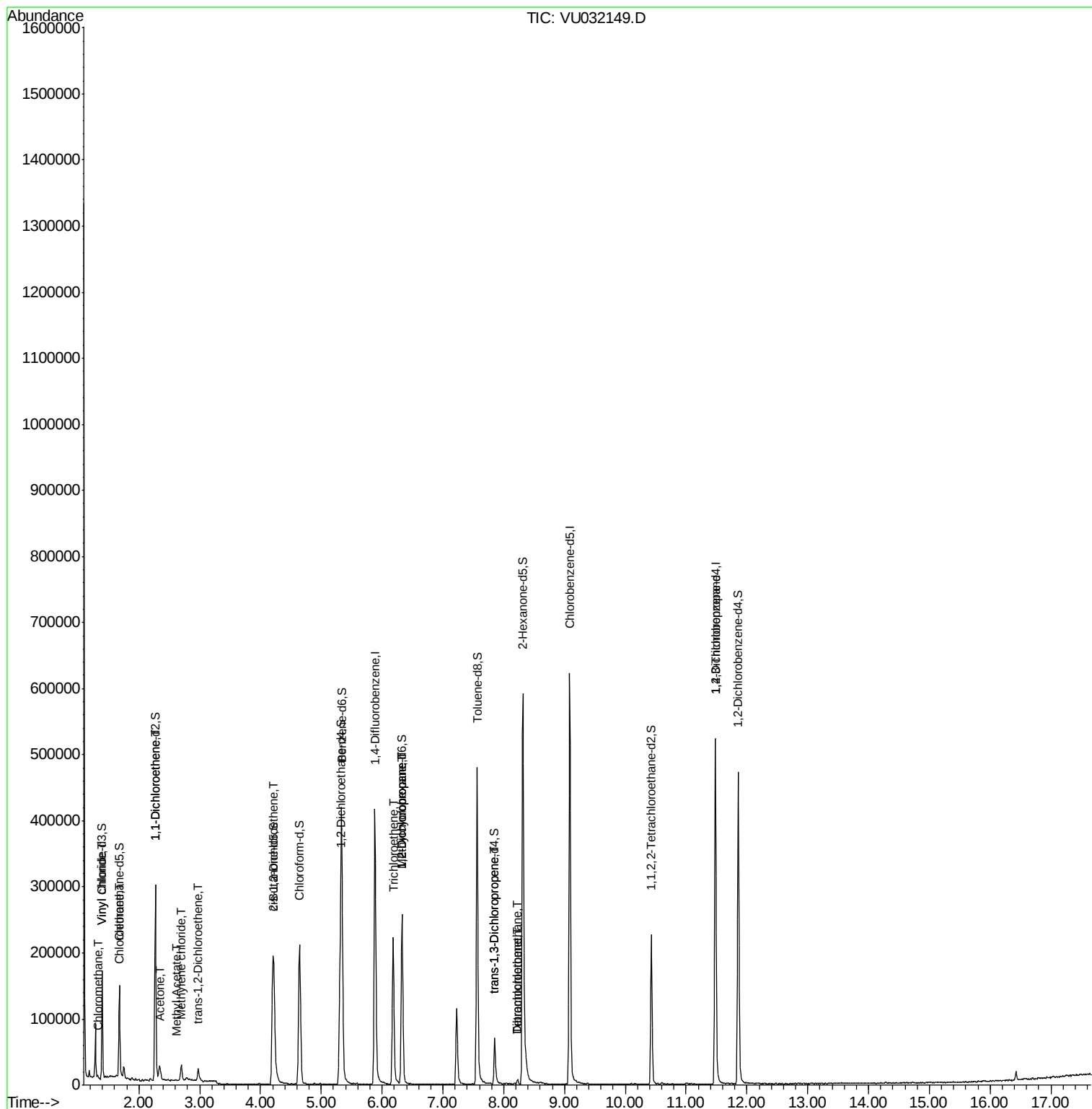
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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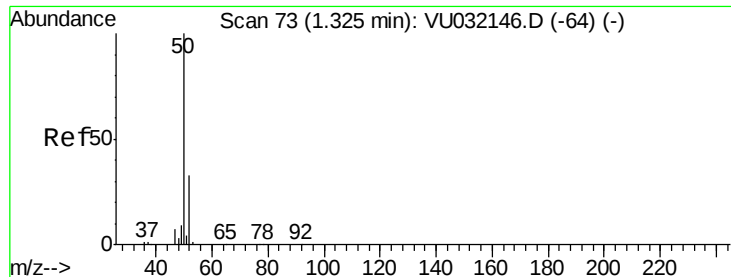
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.130 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032149.D

Acq: 20 May 2019 12:48

Instrument :

MSVOA_U

ClientSampleId :

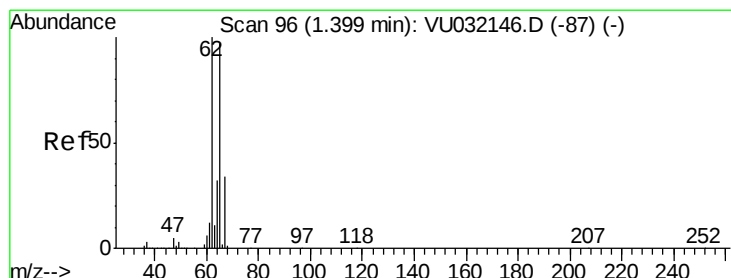
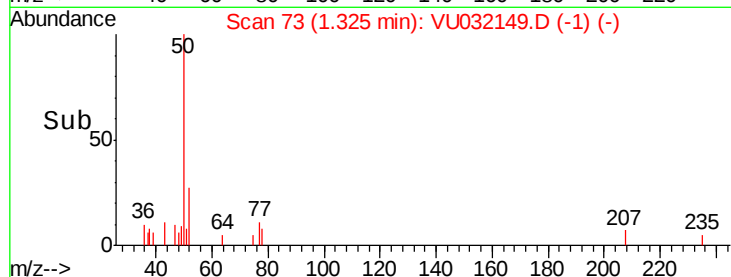
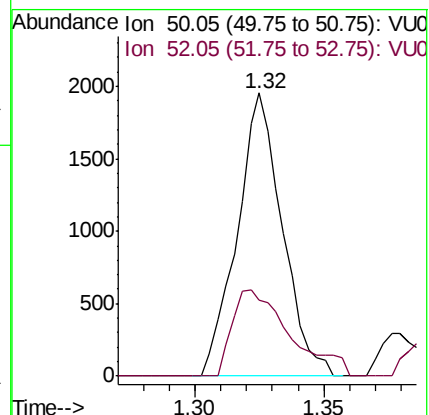
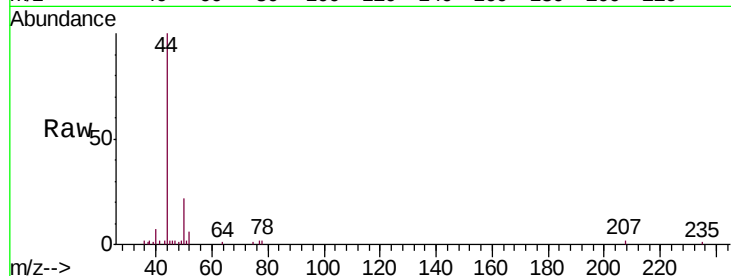
F9W31DL

Tgt Ion: 50 Resp: 2382

Ion Ratio Lower Upper

50 100

52 26.7 23.2 43.0



#5

Vinyl chloride

Concen: 0.145 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU032149.D

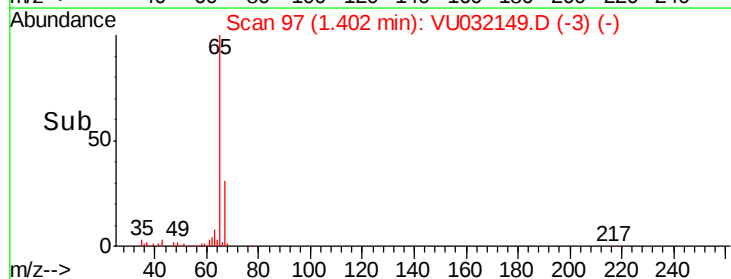
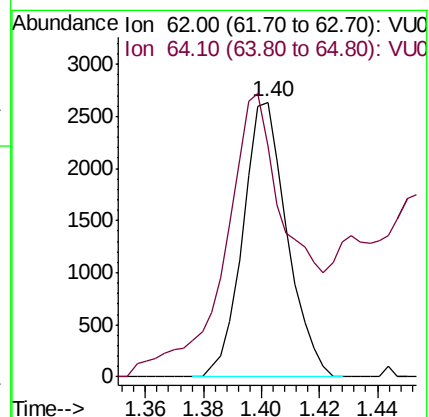
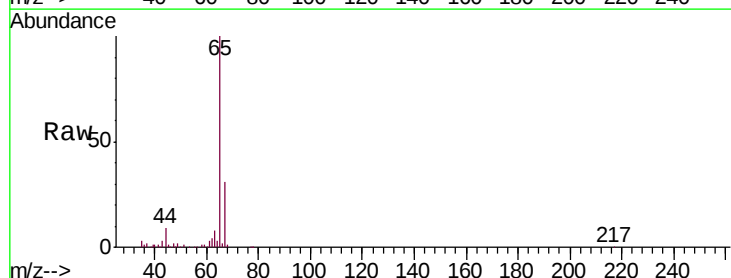
Acq: 20 May 2019 12:48

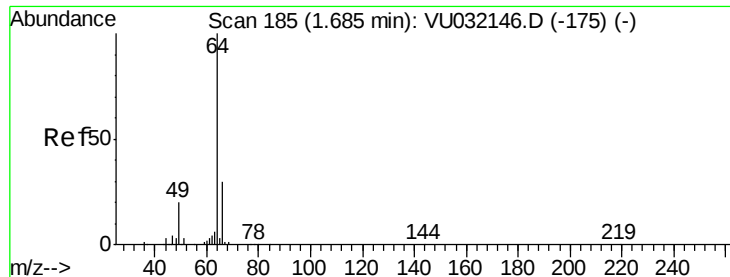
Tgt Ion: 62 Resp: 2783

Ion Ratio Lower Upper

62 100

64 84.1 24.8 46.1#





#8

Chloroethane

Concen: 0.129 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.01 min

Lab File: VU032149.D

Acq: 20 May 2019 12:48

Instrument :

MSVOA_U

ClientSampleId :

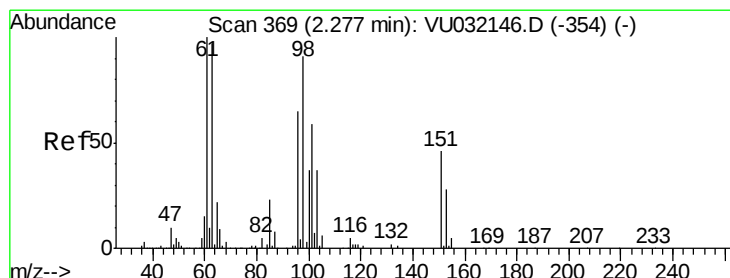
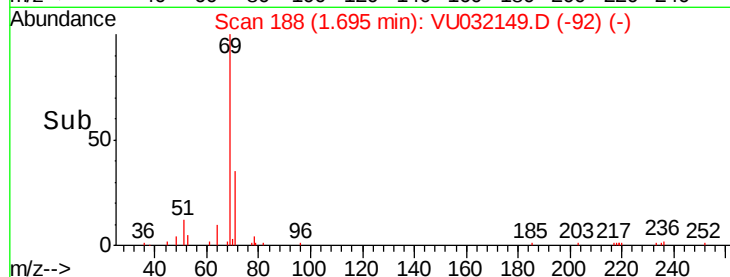
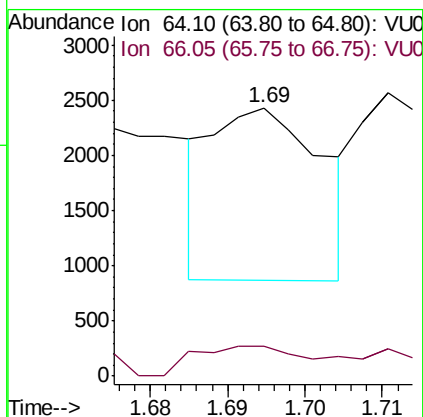
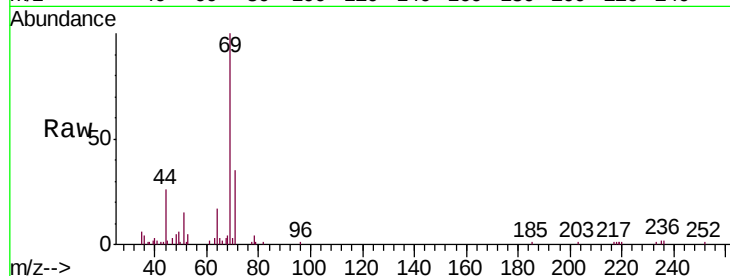
F9W31DL

Tgt Ion: 64 Resp: 1544

Ion Ratio Lower Upper

64 100

66 11.1 22.0 41.0#



#12

1,1-Dichloroethene

Concen: 0.199 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032149.D

Acq: 20 May 2019 12:48

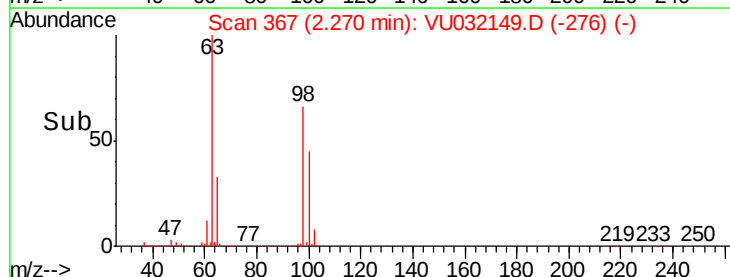
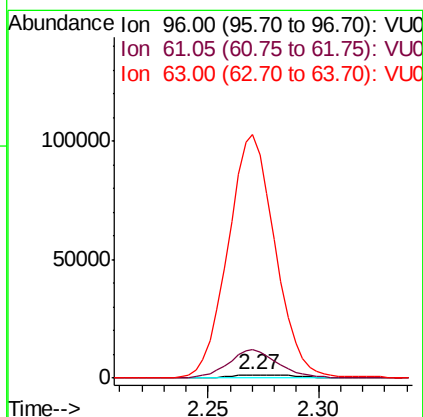
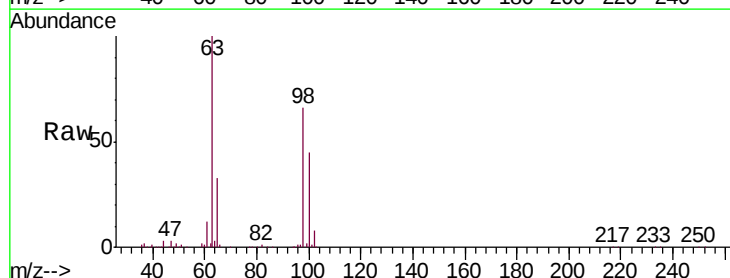
Tgt Ion: 96 Resp: 3053

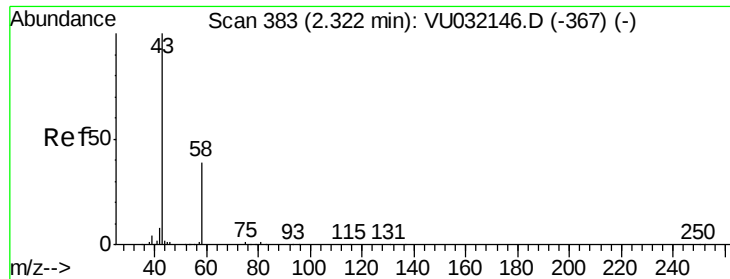
Ion Ratio Lower Upper

96 100

61 784.3 111.7 207.5#

63 6795.5 152.2 282.6#





#13

Acetone

Concen: 13.399 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.02 min

Lab File: VU032149.D

Acq: 20 May 2019 12:48

Instrument :

MSVOA_U

ClientSampleId :

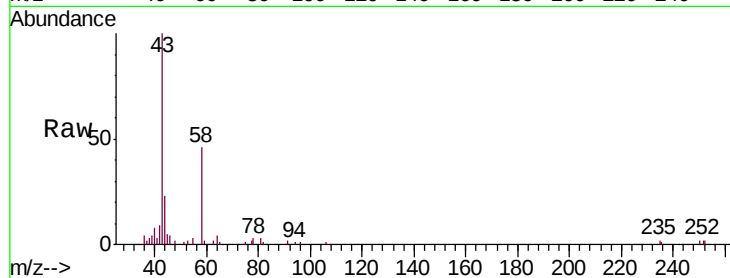
F9W31DL

Tgt Ion: 43 Resp: 27725

Ion Ratio Lower Upper

43 100

58 42.5 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032146.D (-367) (-)

Ion 58.05 (57.75 to 58.75): VU032146.D (-367) (-)

2.34

12000

10000

8000

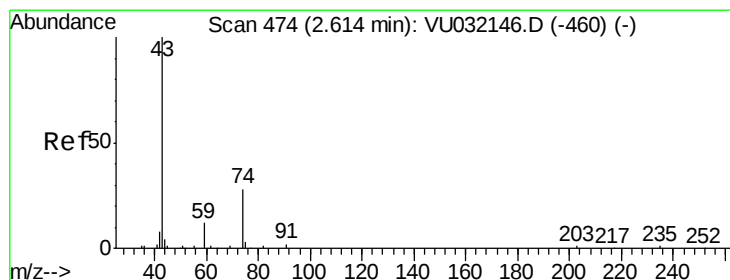
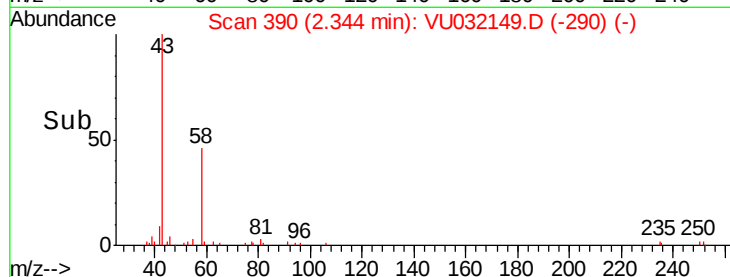
6000

4000

2000

0

Time--> 2.20 2.30 2.40



#15

Methyl Acetate

Concen: 0.159 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU032149.D

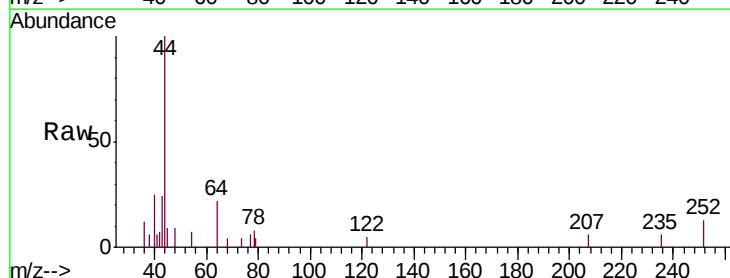
Acq: 20 May 2019 12:48

Tgt Ion: 43 Resp: 946

Ion Ratio Lower Upper

43 100

74 0.0 26.4 39.6#



Abundance Ion 43.05 (42.75 to 43.75): VU032146.D (-460) (-)

Ion 74.05 (73.75 to 74.75): VU032146.D (-460) (-)

2.62

1200

1000

800

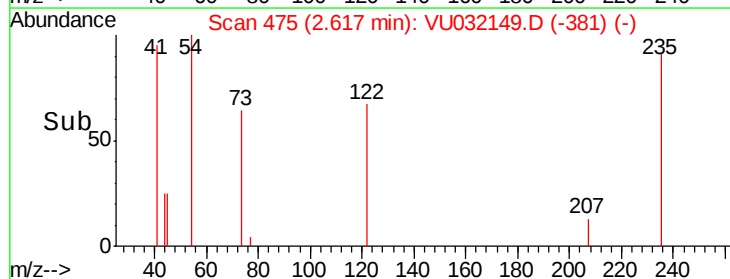
600

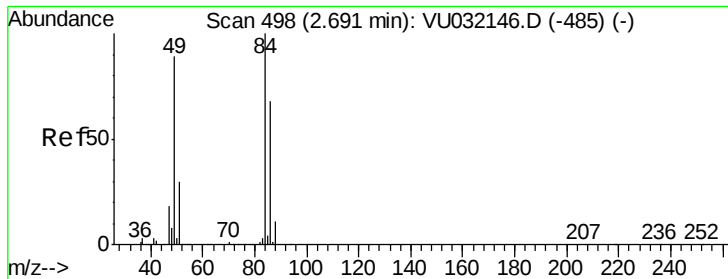
400

200

0

Time--> 2.60 2.65

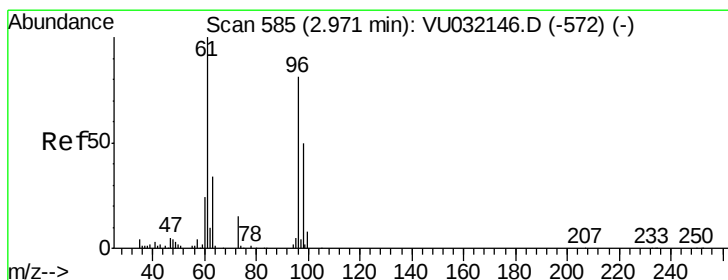
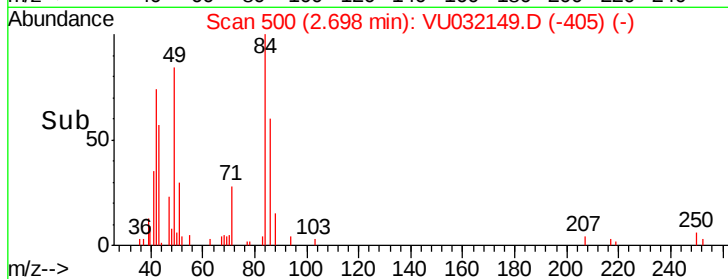
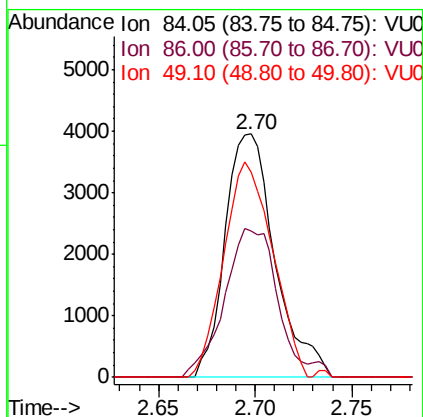
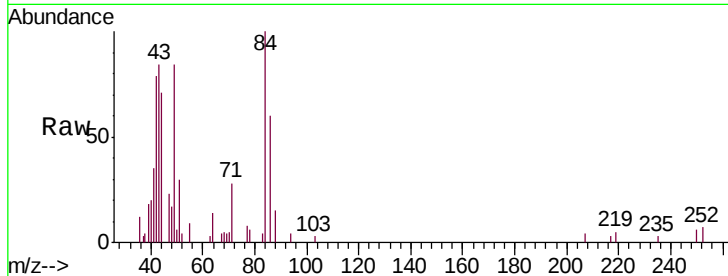




#16
Methylene chloride
Concen: 0.389 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.01 min
Lab File: VU032149.D
Acq: 20 May 2019 12:48

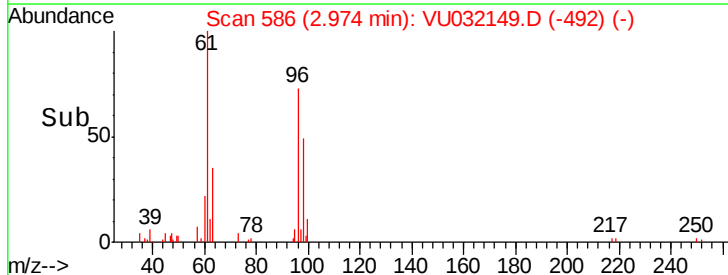
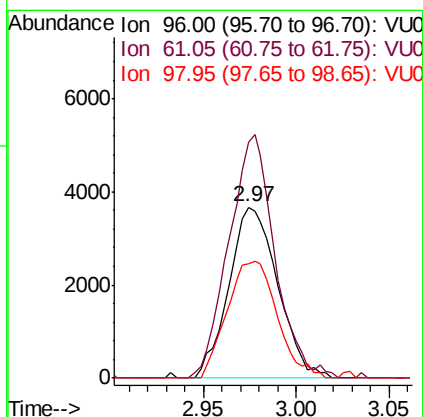
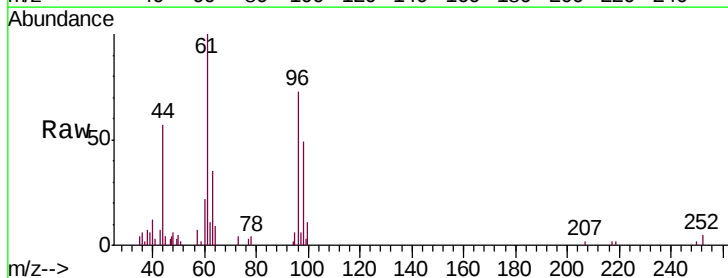
Instrument :
MSVOA_U
ClientSampleId :
F9W31DL

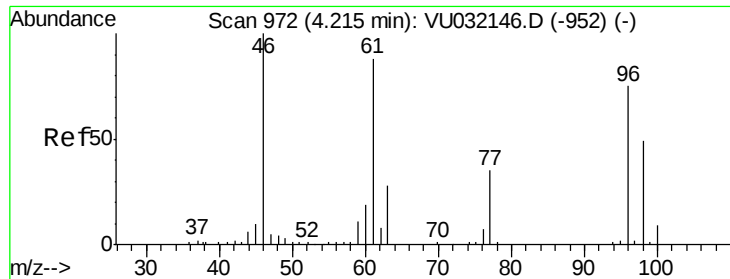
Tgt Ion: 84 Resp: 7107
Ion Ratio Lower Upper
84 100
86 60.0 43.1 80.1
49 84.3 67.7 125.7



#18
trans-1,2-Dichloroethene
Concen: 0.409 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU032149.D
Acq: 20 May 2019 12:48

Tgt Ion: 96 Resp: 6702
Ion Ratio Lower Upper
96 100
61 137.8 86.5 160.7
98 66.9 43.5 80.9



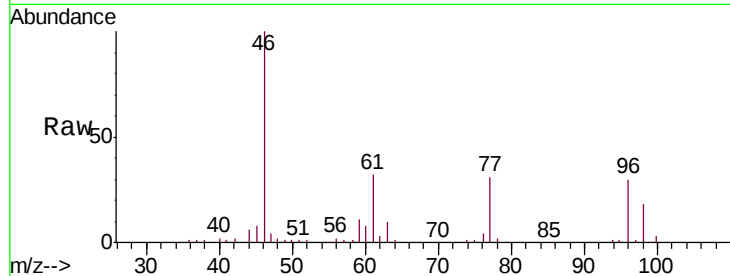


#22

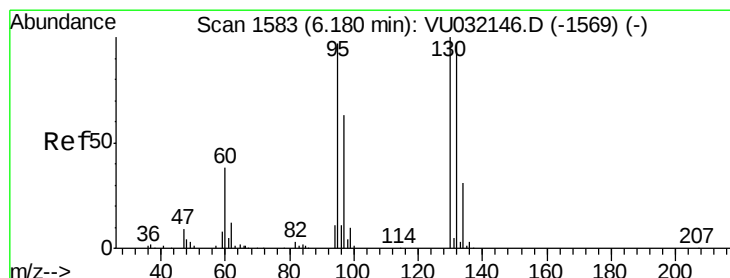
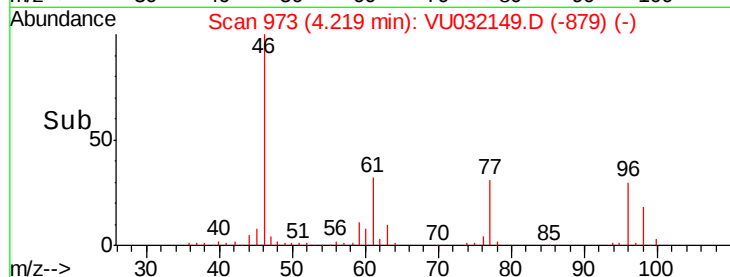
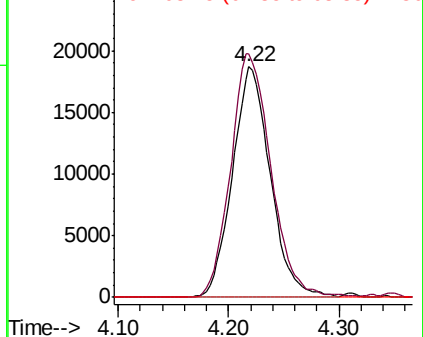
cis-1,2-Dichloroethene
Concen: 2.757 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU032149.D
Acq: 20 May 2019 12:48

Instrument :
MSVOA_U
ClientSampled :
F9W31DL

Tgt Ion: 96 Resp: 44439
Ion Ratio Lower Upper
96 100
61 105.6 85.8 159.4
68 0.0 0.0 0.0



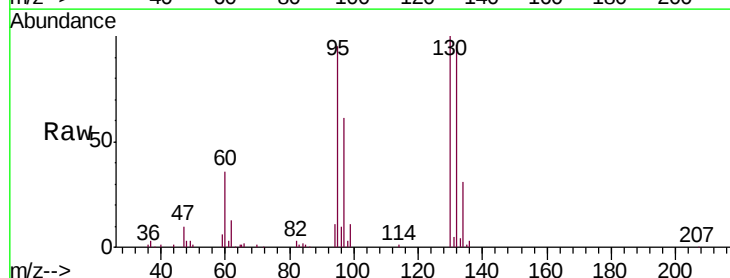
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



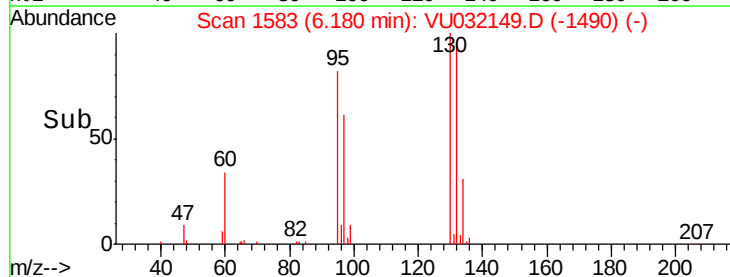
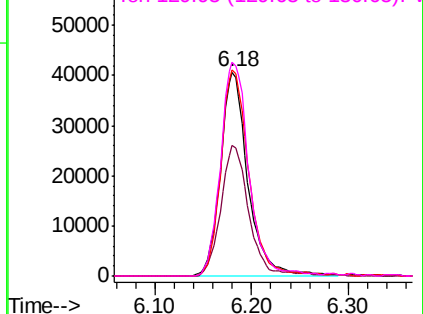
#34

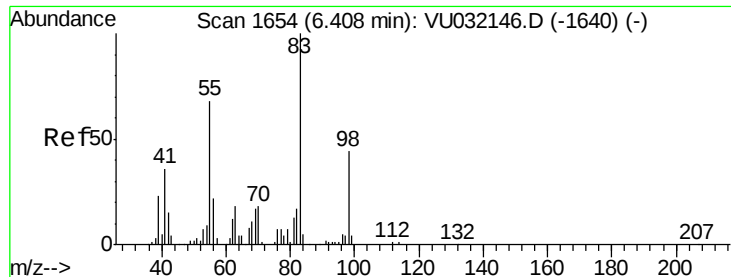
Trichloroethene
Concen: 4.965 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU032149.D
Acq: 20 May 2019 12:48

Tgt Ion: 95 Resp: 80144
Ion Ratio Lower Upper
95 100
97 63.9 45.2 84.0
132 101.0 66.1 122.7
130 104.9 66.7 123.9



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

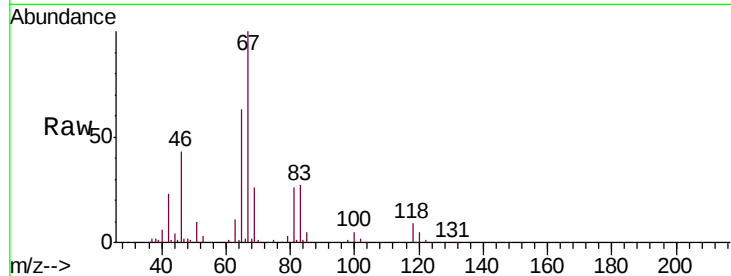




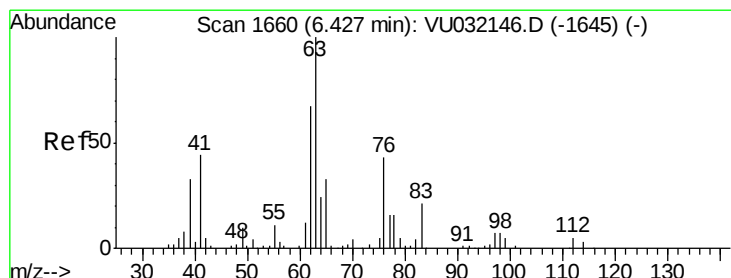
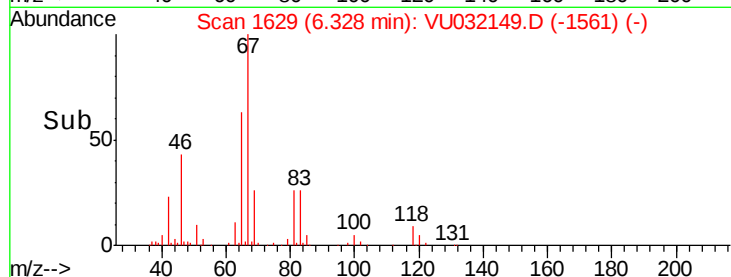
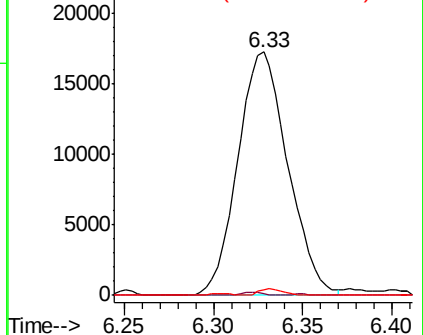
#35
Methylcyclohexane
Concen: 1.450 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU032149.D
Acq: 20 May 2019 12:48

Instrument :
MSVOA_U
ClientSampleId :
F9W31DL

Tgt Ion: 83 Resp: 33705
Ion Ratio Lower Upper
83 100
55 0.5 59.7 89.5#
98 1.3 36.8 55.2#

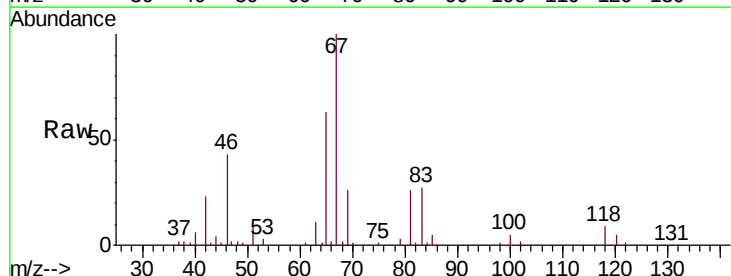


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

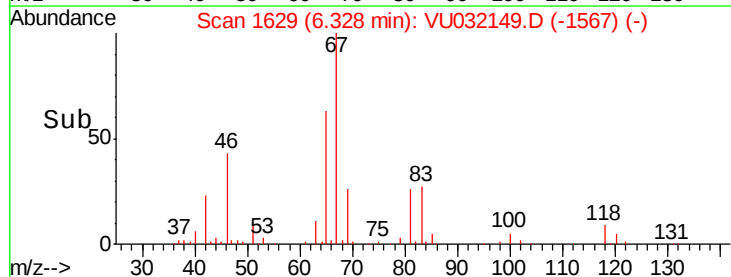
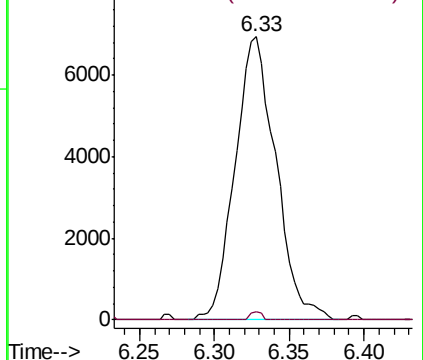


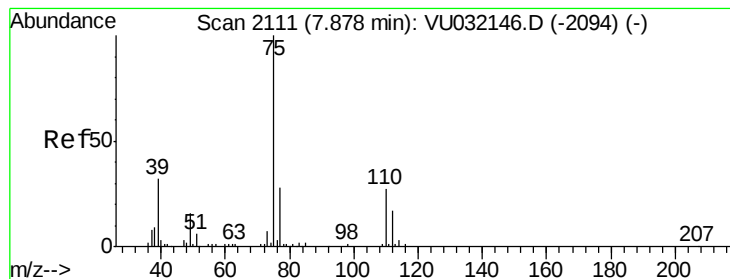
#37
1,2-Dichloropropane
Concen: 0.907 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU032149.D
Acq: 20 May 2019 12:48

Tgt Ion: 63 Resp: 13199
Ion Ratio Lower Upper
63 100
112 0.8 3.8 5.6#



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





#44

trans-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032149.D

Acq: 20 May 2019 12:48

Instrument :

MSVOA_U

ClientSampleId :

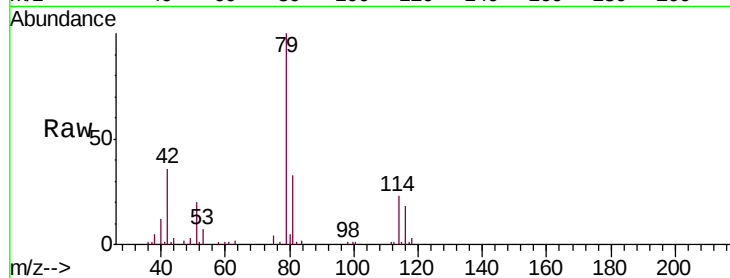
F9W31DL

Tgt Ion: 75 Resp: 1471

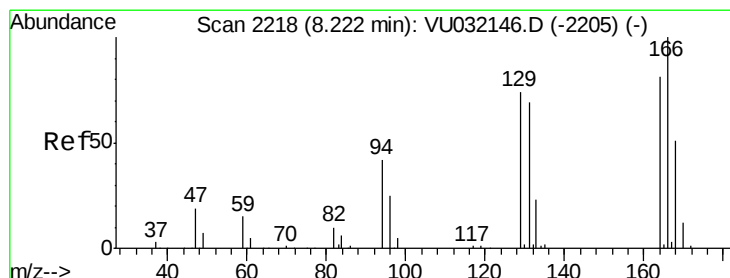
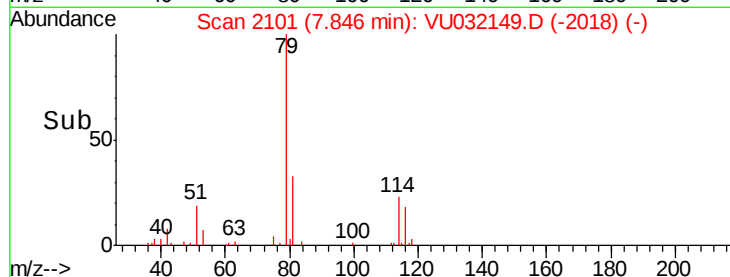
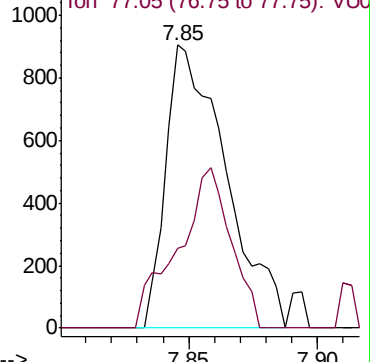
Ion Ratio Lower Upper

75 100

77 28.2 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VU032149.D (-2101) (-)



#47

Tetrachloroethene

Concen: 0.147 ug/L

RT: 8.23 min Scan# 2221

Delta R.T. 0.01 min

Lab File: VU032149.D

Acq: 20 May 2019 12:48

Tgt Ion: 164 Resp: 1776

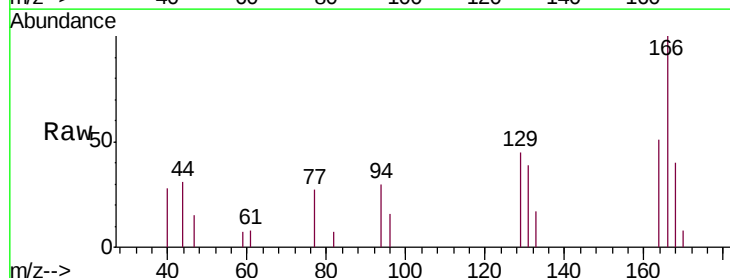
Ion Ratio Lower Upper

164 100

129 88.9 70.3 130.5

131 75.9 64.5 119.9

166 195.7 92.3 171.5#

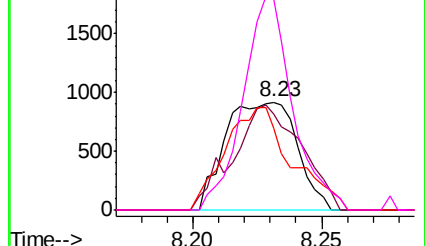
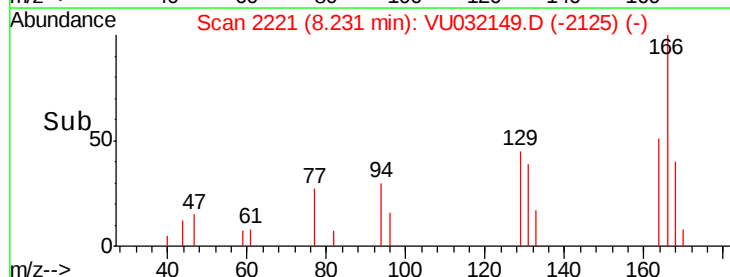


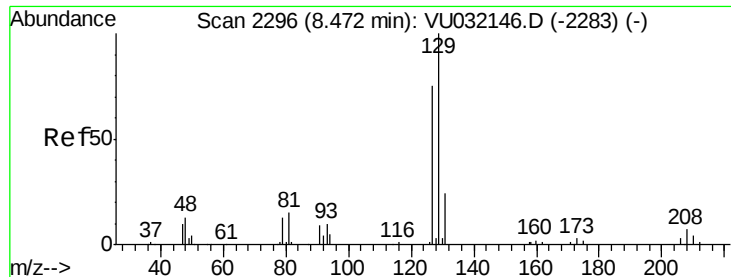
Abundance Ion 163.90 (163.60 to 164.60): VU032149.D (-2221) (-)

Ion 128.95 (128.65 to 129.65): VU032149.D (-2221) (-)

Ion 130.95 (130.65 to 131.65): VU032149.D (-2221) (-)

Ion 165.90 (165.60 to 166.60): VU032149.D (-2221) (-)





#49

Dibromochloromethane

Concen: 0.133 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. -0.24 min

Lab File: VU032149.D

Acq: 20 May 2019 12:48

Instrument :

MSVOA_U

ClientSampleId :

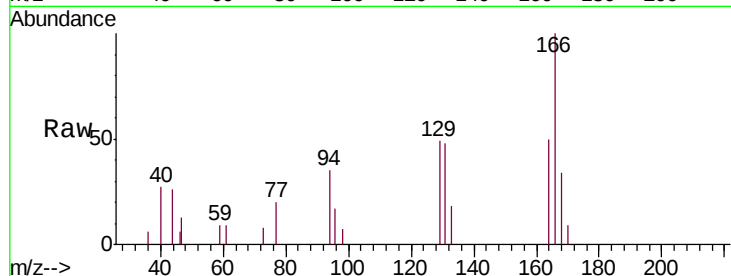
F9W31DL

Tgt Ion:129 Resp: 1646

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#

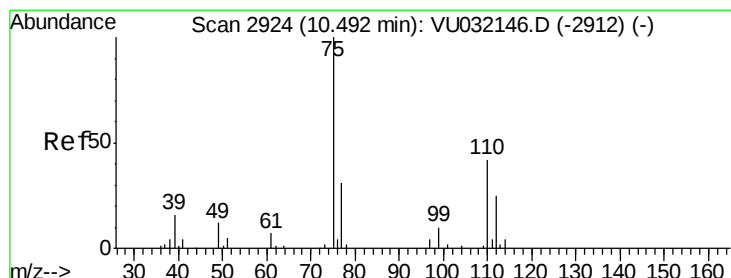
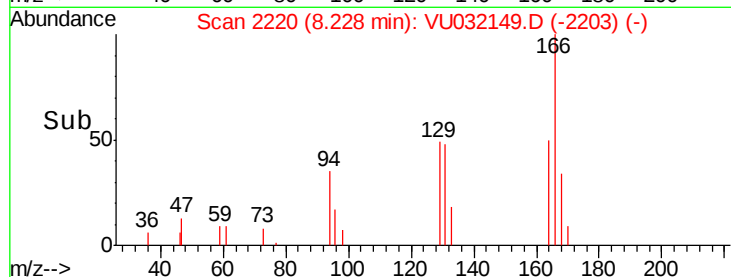


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.23

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.852 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU032149.D

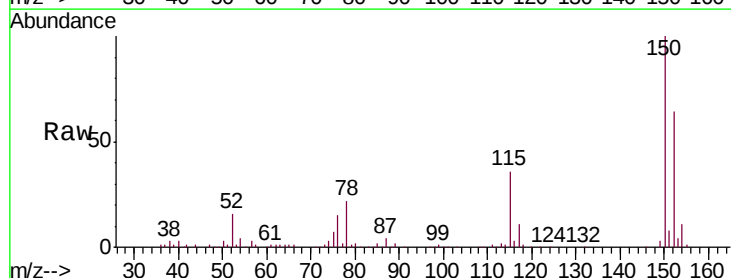
Acq: 20 May 2019 12:48

Tgt Ion: 75 Resp: 17113

Ion Ratio Lower Upper

75 100

77 33.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

Time-->

