

Data File : VU032246.D
Acq On : 23 May 2019 01:50
Operator : JC/SP
Sample : VU0522WBL02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK23

Quant Time: May 23 03:47:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 03:43:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	362783	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	372826	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	150131	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	95866	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.68	69	95251	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.27	63	152687	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	4.20	46	295524	51.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.84%
24) Chloroform-d	4.64	84	258783	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.31	65	136584	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.33	84	494028	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.32	67	168901	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.56	98	446246	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	7.85	79	58340	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.31	63	246890	49.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	169253	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	211573	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

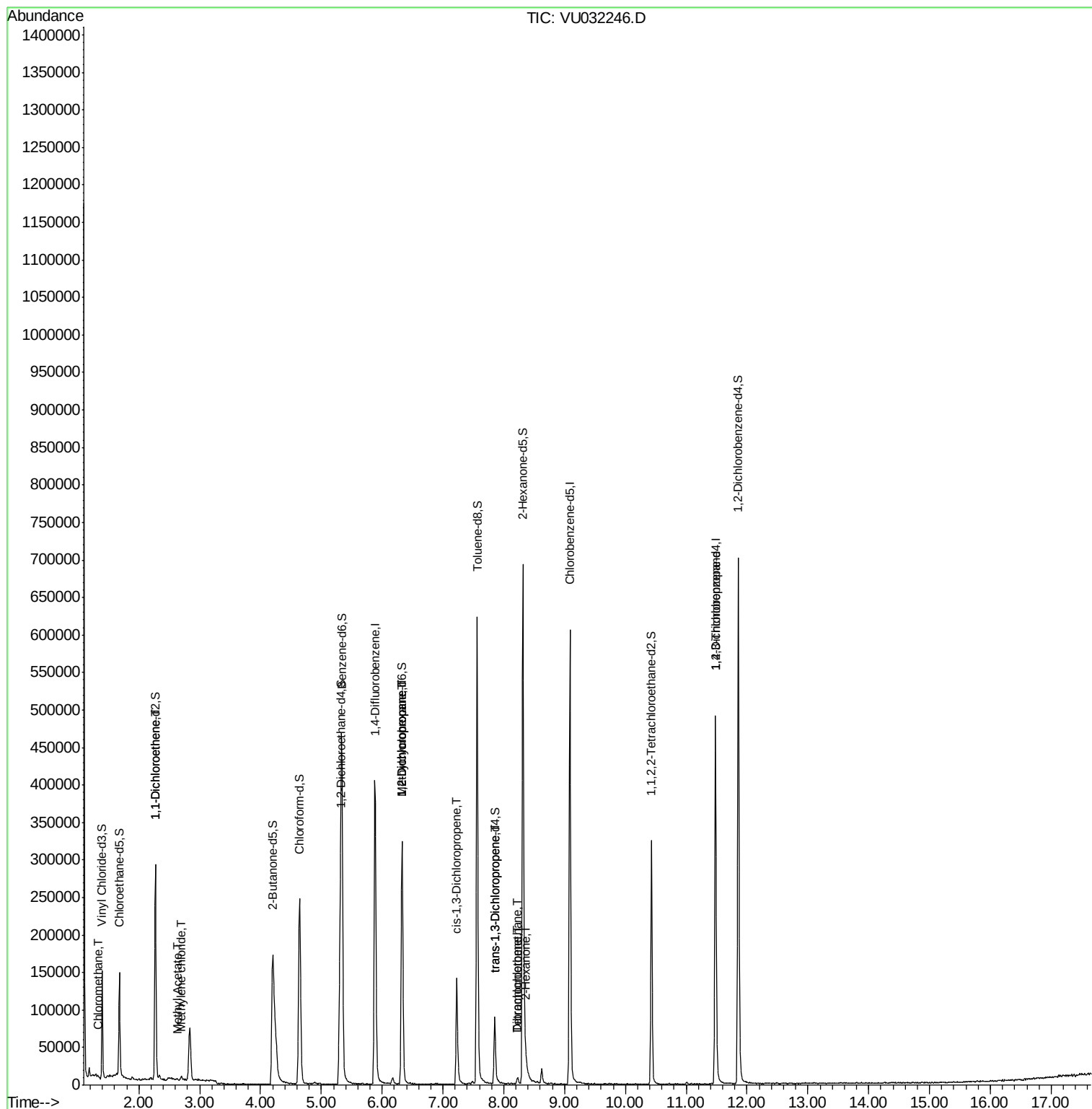
					Qvalue
3) Chloromethane	1.33	50	2303	0.148 ug/L	98
12) 1,1-Dichloroethene	2.27	96	1726	0.134 ug/L #	1
15) Methyl Acetate	2.62	43	1042	0.199 ug/L #	41
16) Methylene chloride	2.70	84	2321	0.135 ug/L	82
35) Methylcyclohexane	6.33	83	40258	2.019 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	17384	1.432 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	3451	0.200 ug/L	83
44) trans-1,3-Dichloropropene	7.85	75	2445	0.180 ug/L	87
47) Tetrachloroethene	8.22	164	2127	0.190 ug/L	80
48) 2-Hexanone	8.37	43	9856	2.094 ug/L #	92
49) Dibromochloromethane	8.22	129	1885	0.177 ug/L #	13
59) 1,2,3-Trichloropropane	11.48	75	15835	2.002 ug/L	91

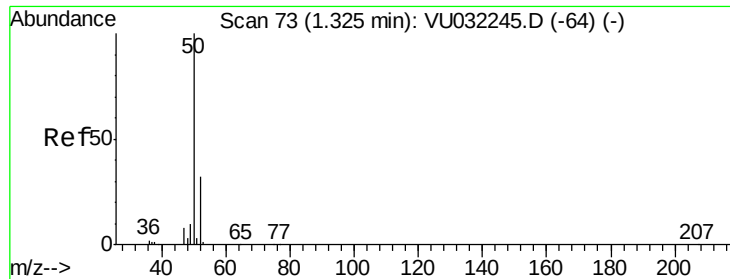
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.148 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032246.D

Acq: 23 May 2019 01:50

Instrument :

MSVOA_U

ClientSampleId :

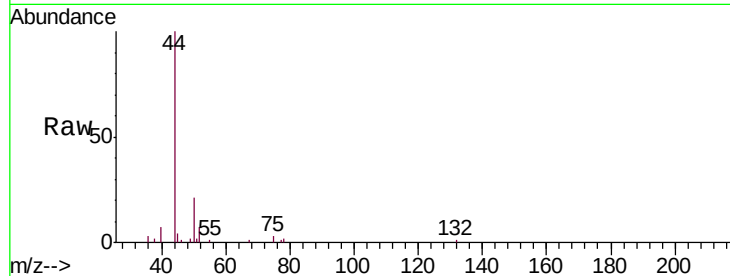
VBLK23

Tgt Ion: 50 Resp: 2303

Ion Ratio Lower Upper

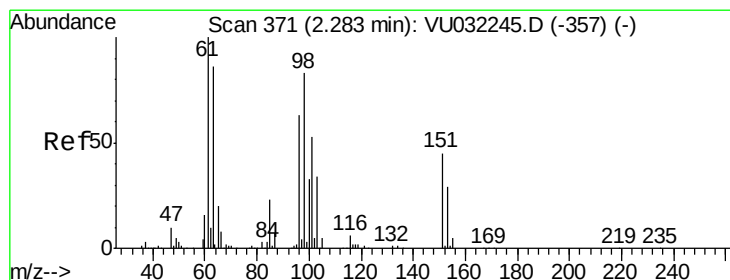
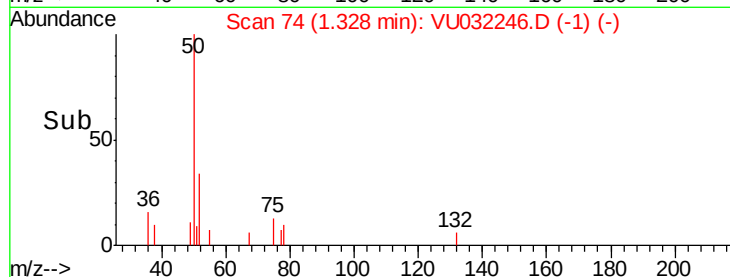
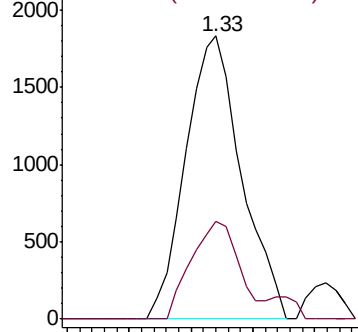
50 100

52 34.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#12

1,1-Dichloroethene

Concen: 0.134 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU032246.D

Acq: 23 May 2019 01:50

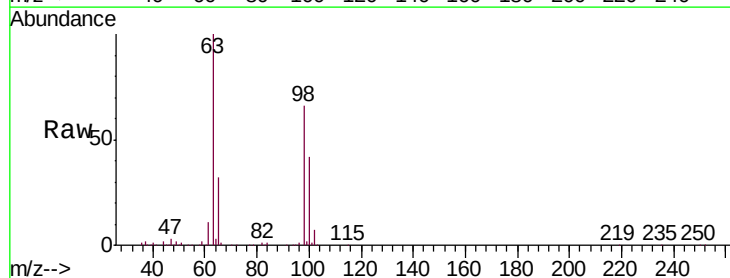
Tgt Ion: 96 Resp: 1726

Ion Ratio Lower Upper

96 100

61 1100.2 113.8 211.3#

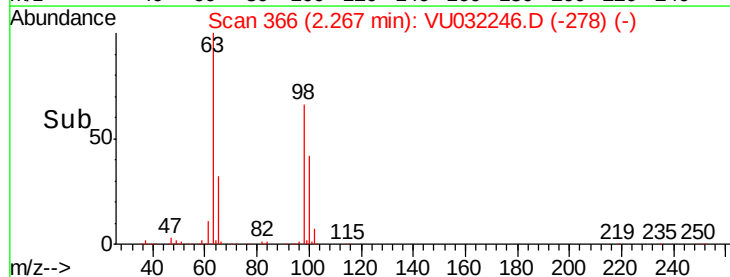
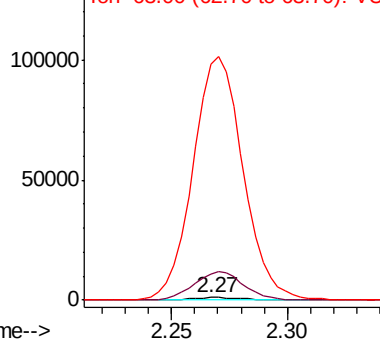
63 9729.4 108.8 202.2#

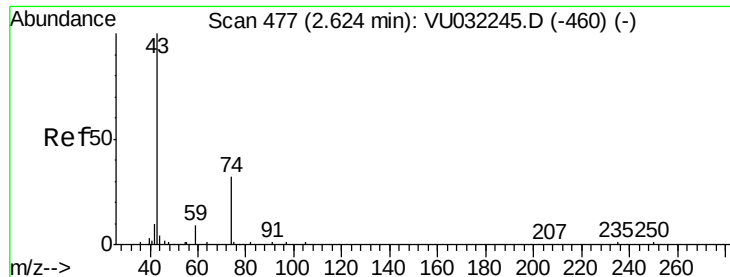


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

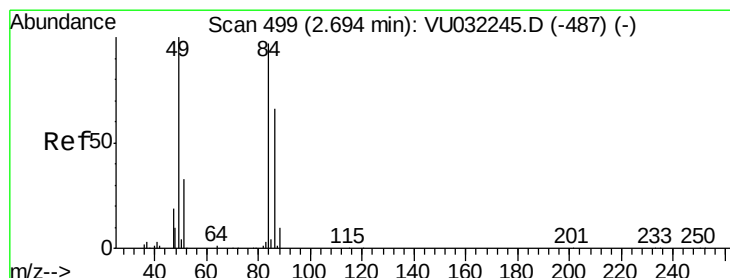
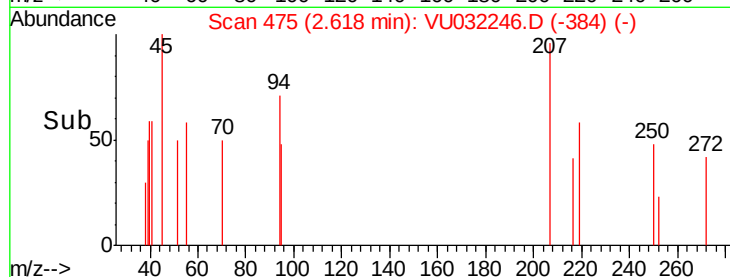
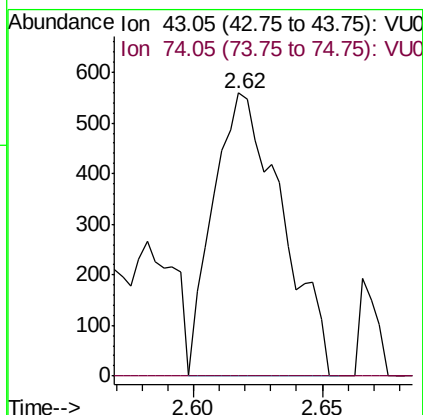
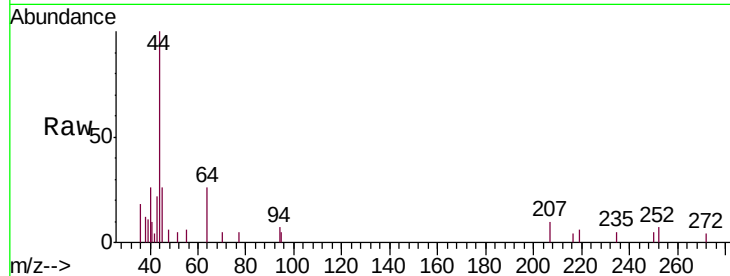




#15
Methyl Acetate
Concen: 0.199 ug/L
RT: 2.62 min Scan# 475
Delta R.T. -0.01 min
Lab File: VU032246.D
Acq: 23 May 2019 01:50

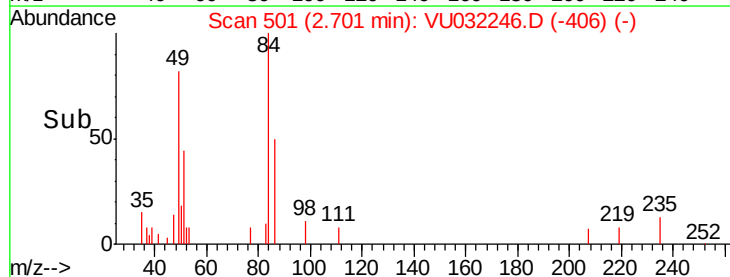
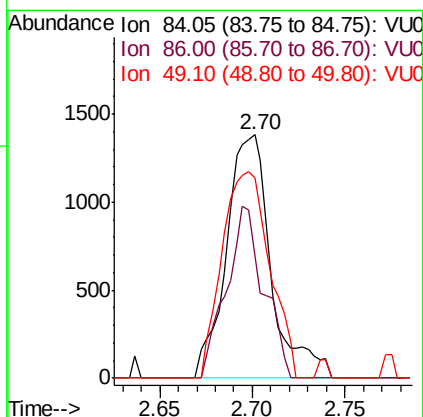
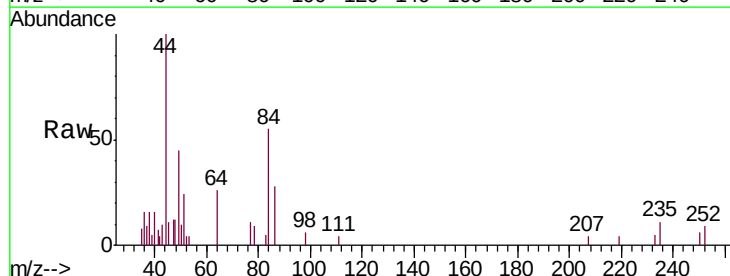
Instrument :
MSVOA_U
ClientSampleId :
VBLK23

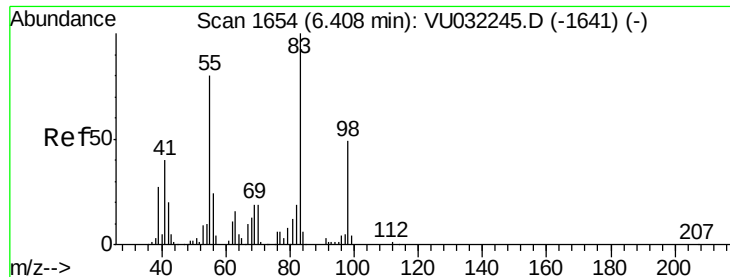
Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
74 0.0 27.3 40.9#



#16
Methylene chloride
Concen: 0.135 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.01 min
Lab File: VU032246.D
Acq: 23 May 2019 01:50

Tgt Ion: 84 Resp: 2321
Ion Ratio Lower Upper
84 100
86 50.4 43.6 81.0
49 82.4 71.1 132.1

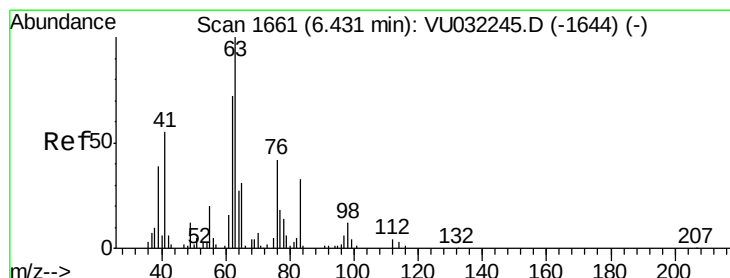
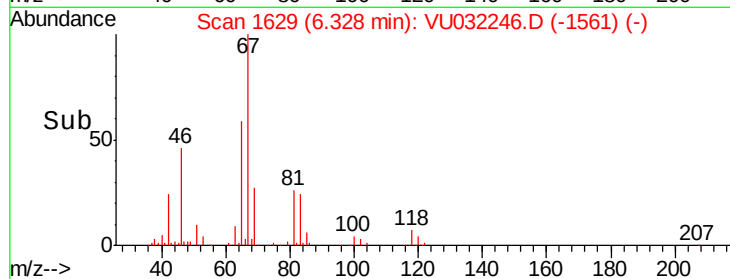
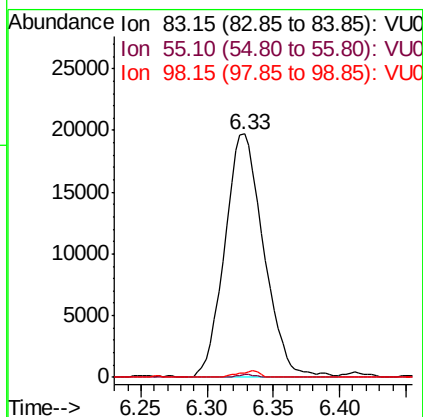
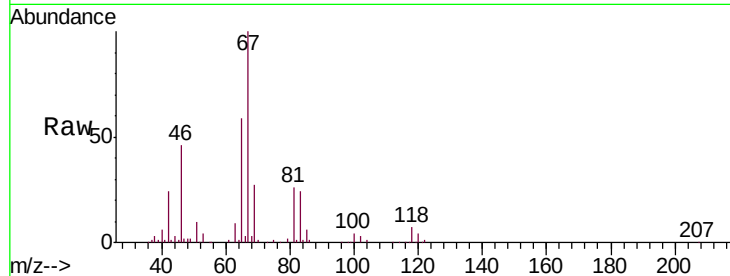




#35
Methylcyclohexane
Concen: 2.019 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU032246.D
Acq: 23 May 2019 01:50

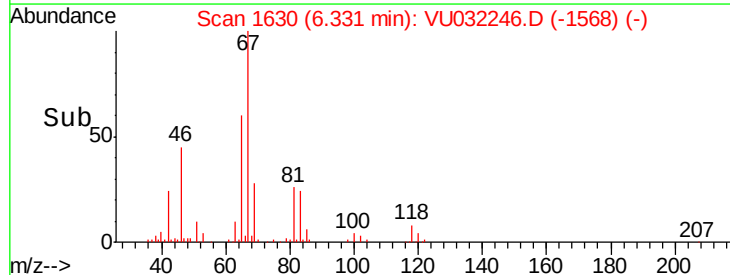
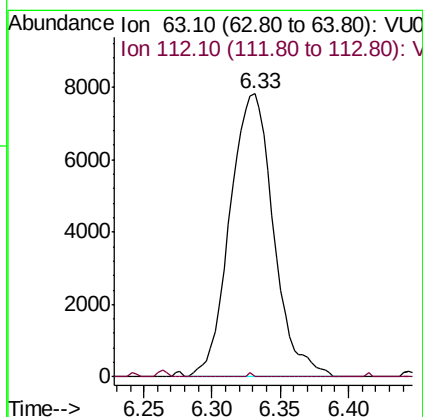
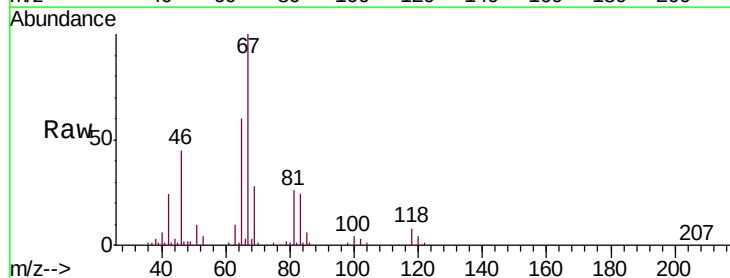
Instrument :
MSVOA_U
ClientSampleId :
VBLK23

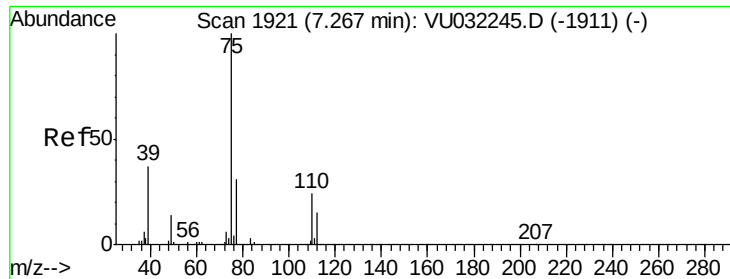
Tgt Ion: 83 Resp: 40258
Ion Ratio Lower Upper
83 100
55 0.5 59.7 89.5#
98 1.4 37.5 56.3#



#37
1,2-Dichloropropane
Concen: 1.432 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.10 min
Lab File: VU032246.D
Acq: 23 May 2019 01:50

Tgt Ion: 63 Resp: 17384
Ion Ratio Lower Upper
63 100
112 0.1 3.8 5.8#

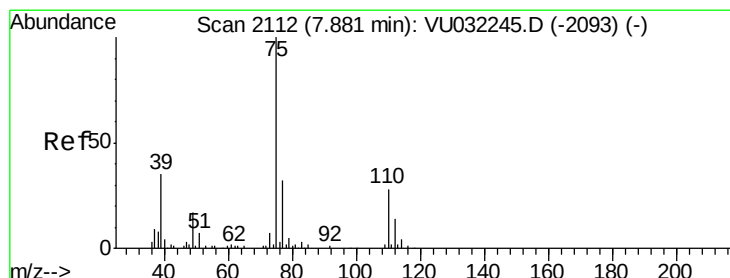
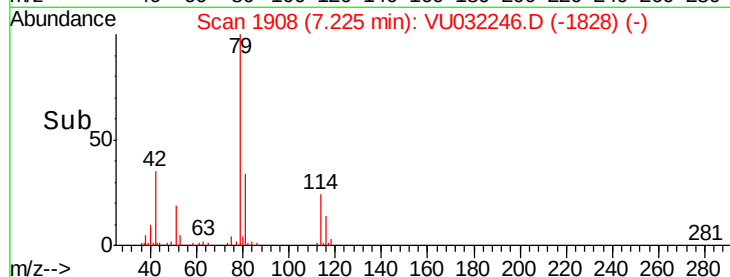
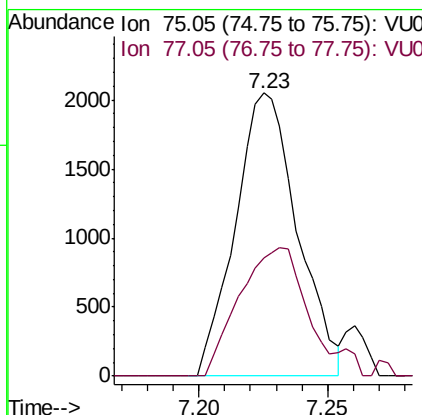
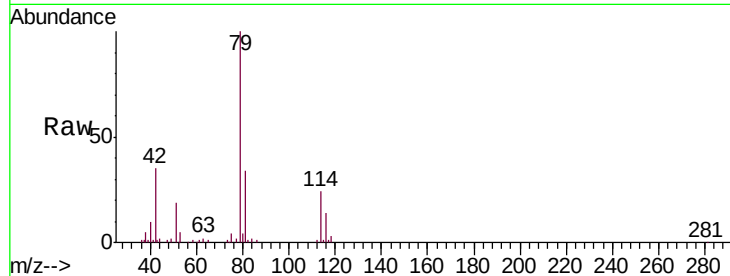




#39
 cis-1,3-Dichloropropene
 Concen: 0.200 ug/L
 RT: 7.23 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032246.D
 Acq: 23 May 2019 01:50

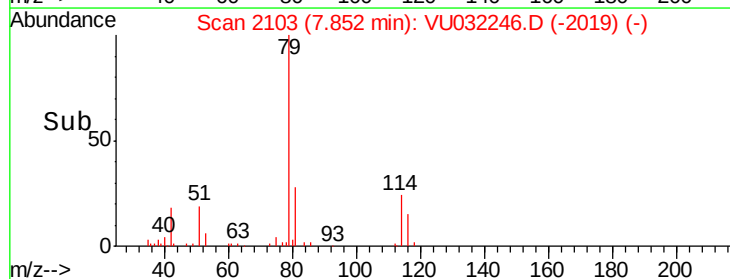
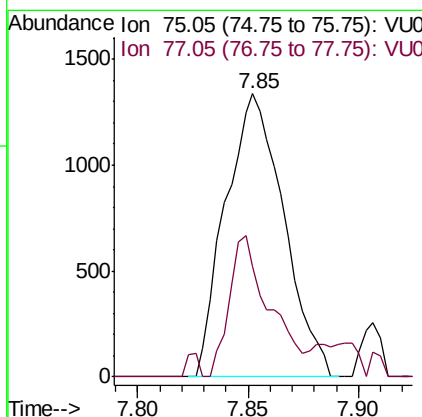
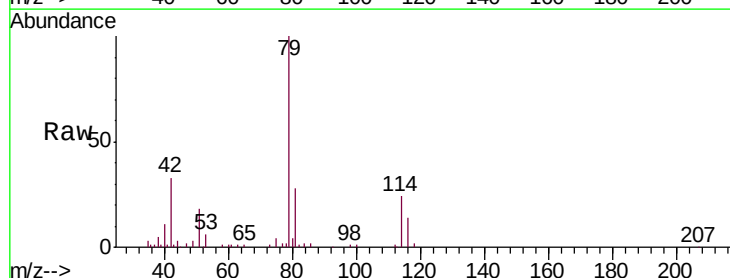
Instrument :
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 ClientSampleId :
 VBLK23

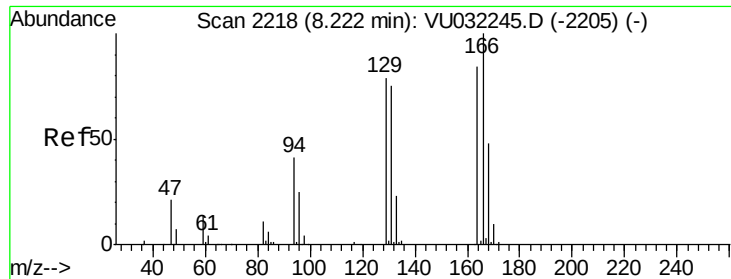
Tgt Ion: 75 Resp: 3451
 Ion Ratio Lower Upper
 75 100
 77 41.8 22.6 42.0



#44
 trans-1,3-Dichloropropene
 Concen: 0.180 ug/L
 RT: 7.85 min Scan# 2103
 Delta R.T. -0.03 min
 Lab File: VU032246.D
 Acq: 23 May 2019 01:50

Tgt Ion: 75 Resp: 2445
 Ion Ratio Lower Upper
 75 100
 77 39.3 22.5 41.9

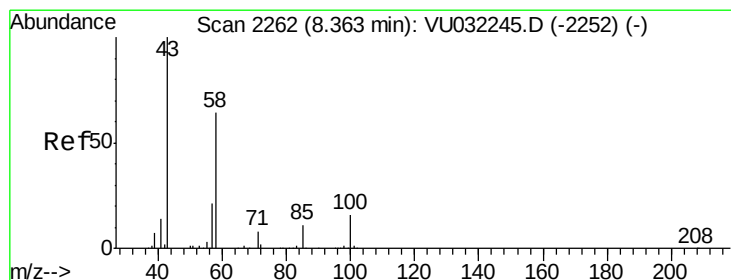
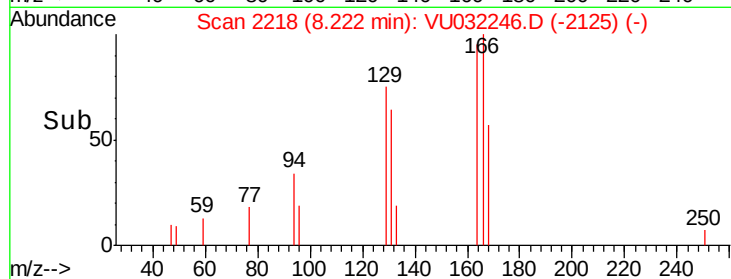
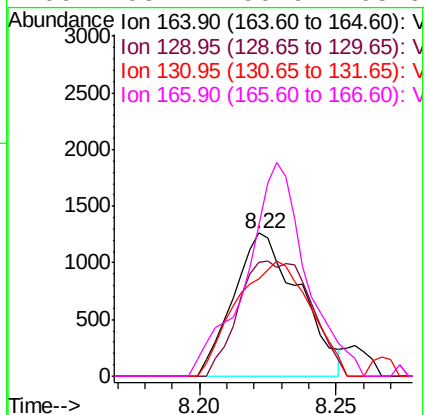
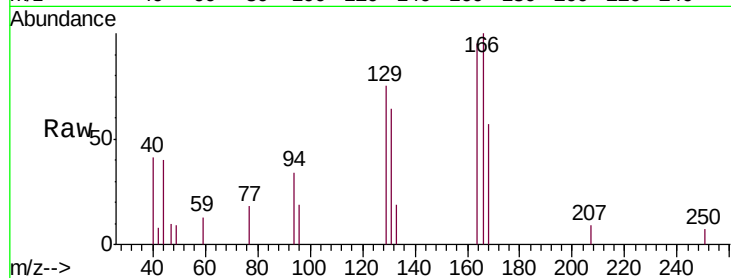




#47
Tetrachloroethene
Concen: 0.190 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU032246.D
Acq: 23 May 2019 01:50

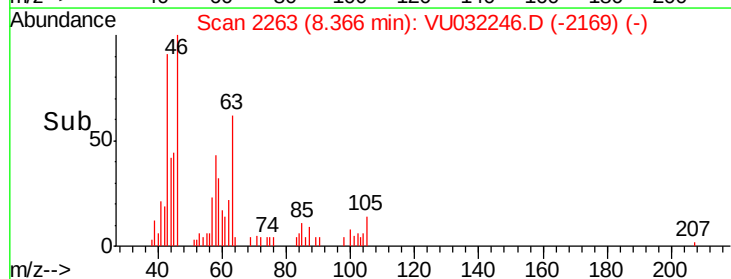
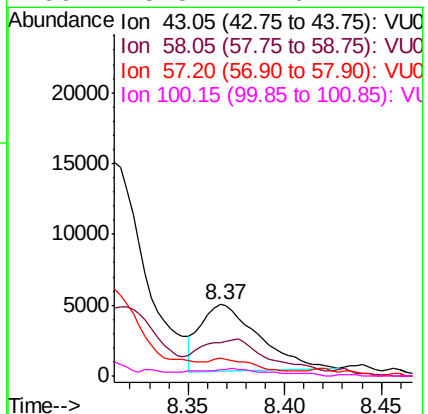
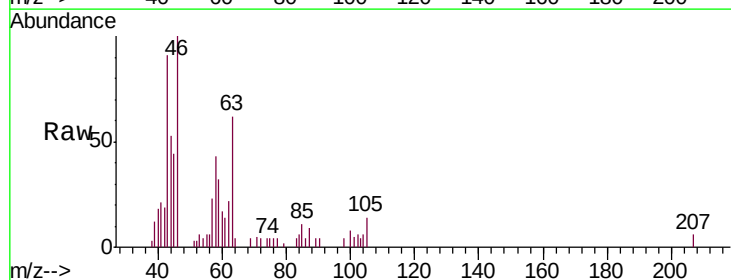
Instrument :
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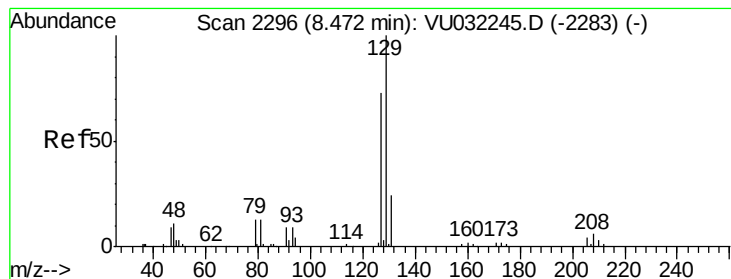
Tgt Ion:	164	Resp:	2127
Ion	Ratio	Lower	Upper
164	100		
129	79.3	67.1	124.7
131	68.1	62.2	115.4
166	105.7	90.9	168.9



#48
2-Hexanone
Concen: 2.094 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU032246.D
Acq: 23 May 2019 01:50

Tgt Ion:	43	Resp:	9856
Ion	Ratio	Lower	Upper
43	100		
58	68.4	49.7	74.5
57	22.6	17.1	25.7
100	8.3	11.6	17.4#





#49

Dibromochloromethane

Concen: 0.177 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU032246.D

Acq: 23 May 2019 01:50

Instrument :

MSVOA_U

ClientSampleId :

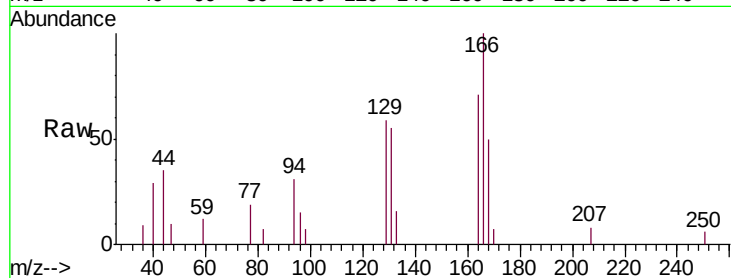
VBLK23

Tgt Ion: 129 Resp: 1885

Ion Ratio Lower Upper

129 100

127 0.0 51.7 95.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

1000

800

600

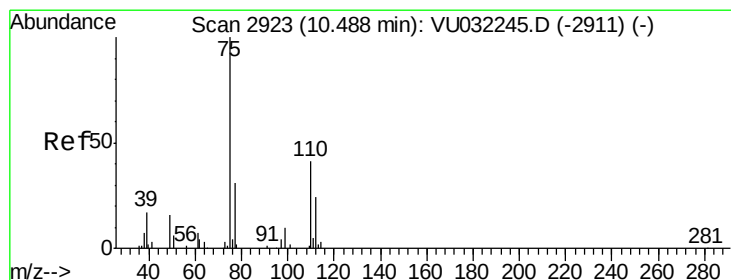
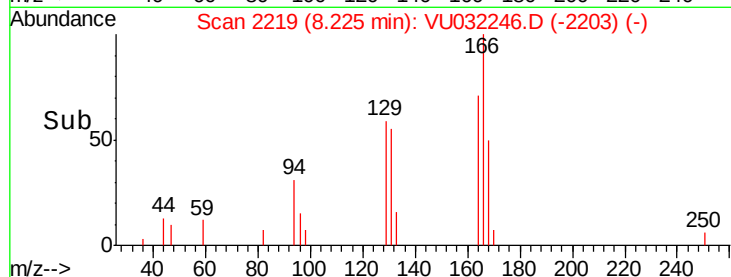
400

200

0

8.20 8.25

Time-->



#59

1,2,3-Trichloropropane

Concen: 2.002 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032246.D

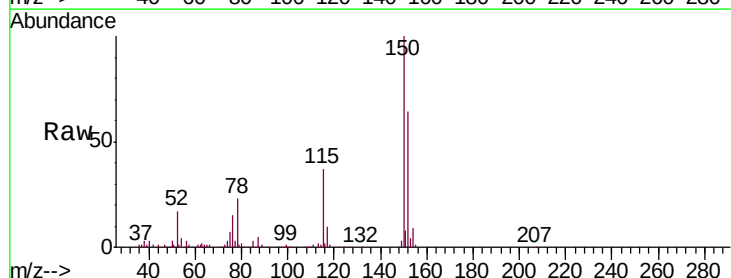
Acq: 23 May 2019 01:50

Tgt Ion: 75 Resp: 15835

Ion Ratio Lower Upper

75 100

77 40.8 28.2 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

10000

8000

6000

4000

2000

0

11.40 11.45 11.50 11.55

Time-->

