

Data File : VU032131.D
Acq On : 18 May 2019 04:36
Operator : JC/SP
Sample : K2860-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W33

Quant Time: May 18 05:50:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 18 05:45:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	364533	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	367031	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	145618	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	109212	3.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.00%
7) Chloroethane-d5	1.68	69	96235	3.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.40%
11) 1,1-Dichloroethene-d2	2.27	63	158206	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	4.20	46	228767	37.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.90%
24) Chloroform-d	4.64	84	220229	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.60%
26) 1,2-Dichloroethane-d4	5.31	65	108106	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
32) Benzene-d6	5.33	84	448428	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
36) 1,2-Dichloropropane-d6	6.32	67	131017	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.00%
41) Toluene-d8	7.56	98	368282	3.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.60%
43) trans-1,3-Dichloropropene-	7.85	79	41079	3.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.80%
46) 2-Hexanone-d5	8.31	63	197067	37.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	108634	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	138506	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	2522	0.144	ug/L	95
5) Vinyl chloride	1.40	62	13679	0.744	ug/L #	73
12) 1,1-Dichloroethene	2.28	96	8345	0.570	ug/L #	1
13) Acetone	2.33	43	101862	51.469	ug/L	98
15) Methyl Acetate	2.70	43	68900	12.142	ug/L #	42
17) Methyl tert-butyl Ether	3.00	73	14026	0.408	ug/L #	80
18) trans-1,2-Dichloroethene	2.97	96	32207	2.055	ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	204934	13.294	ug/L	88
30) Cyclohexane	4.98	56	3696	0.188	ug/L #	76
33) Benzene	5.38	78	17447	0.310	ug/L	100
34) Trichloroethene	6.18	95	376952	24.658	ug/L	93
35) Methylcyclohexane	6.32	83	33063	1.502	ug/L #	20
37) 1,2-Dichloropropane	6.32	63	12879	0.935	ug/L #	91
44) trans-1,3-Dichloropropene	7.85	75	1350	0.091	ug/L #	65
47) Tetrachloroethene	8.22	164	7483	0.655	ug/L	91
49) Dibromochloromethane	8.23	129	7275	0.620	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	13911	1.589	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051719\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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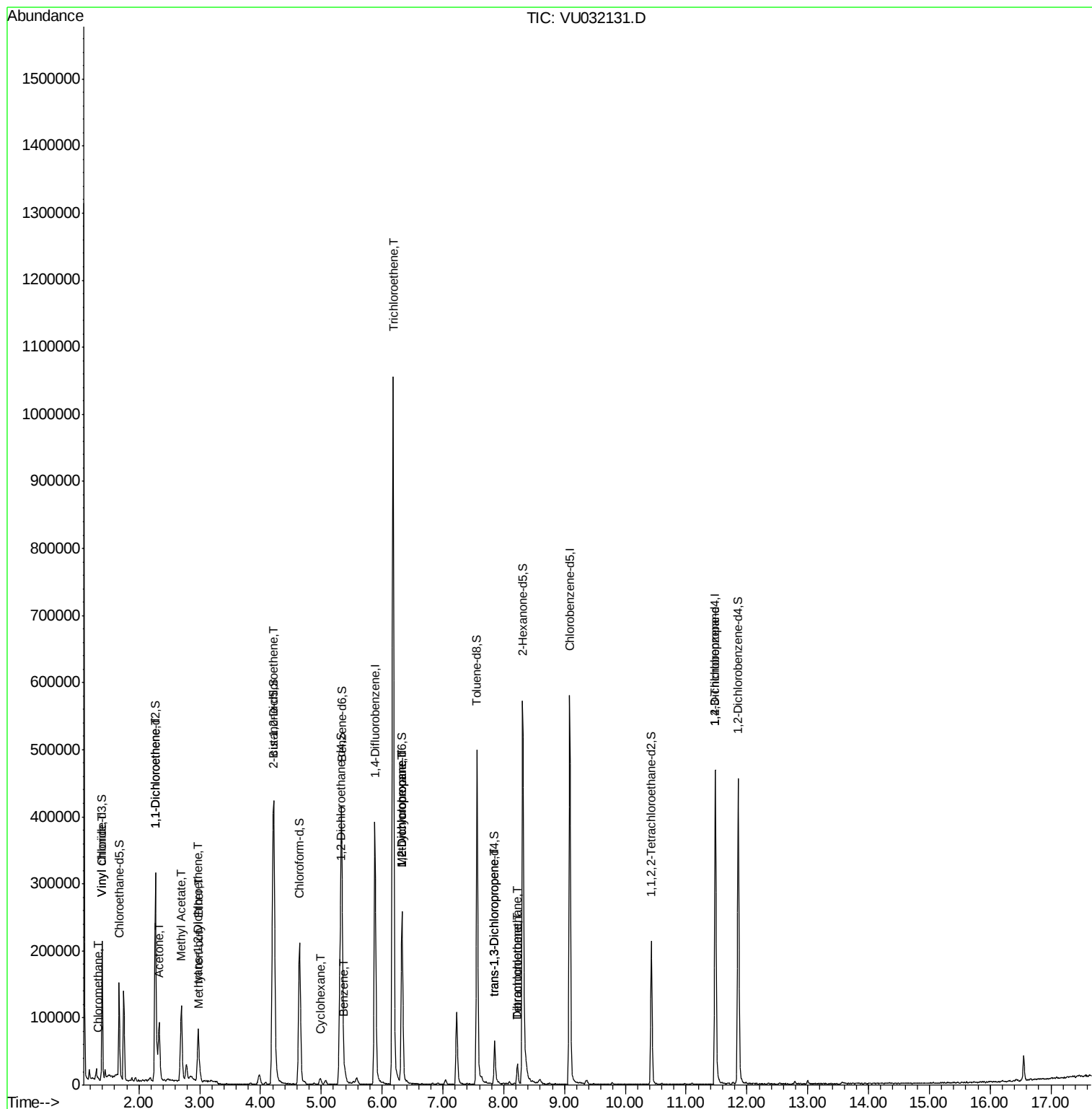
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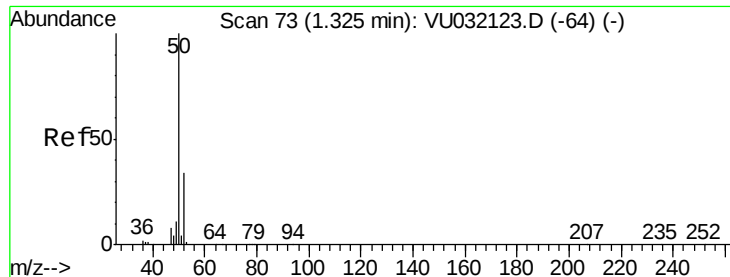
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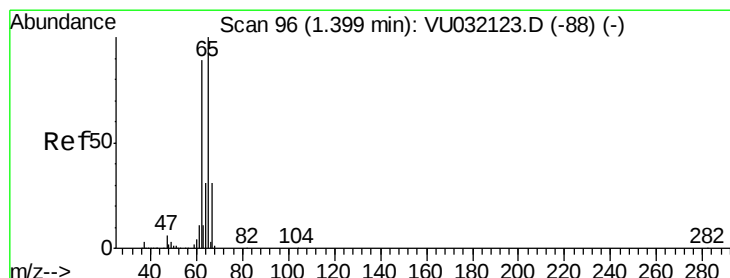
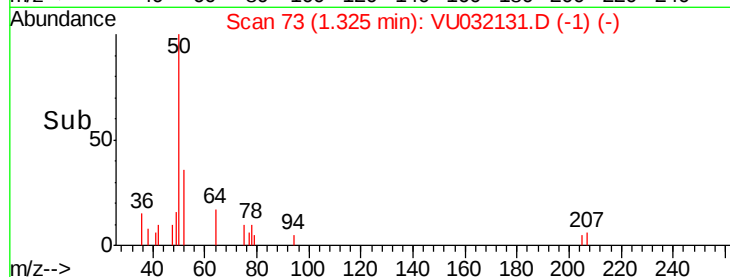
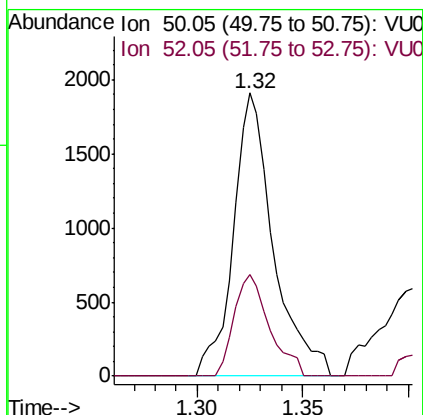
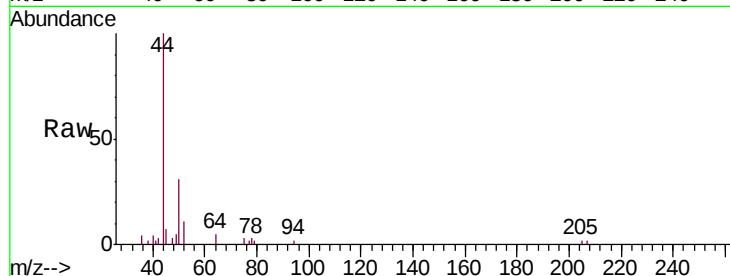




#3
Chloromethane
Concen: 0.144 ug/L
RT: 1.32 min Scan# 73
Delta R.T. 0.00 min
Lab File: VU032131.D
Acq: 18 May 2019 04:36

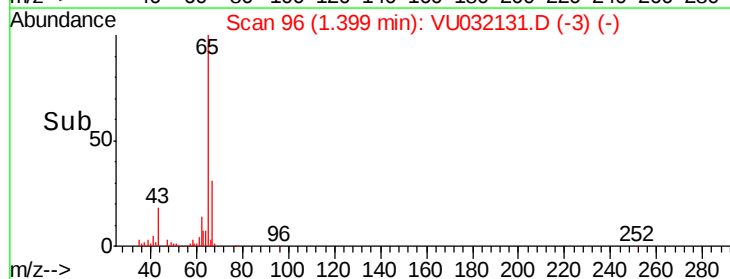
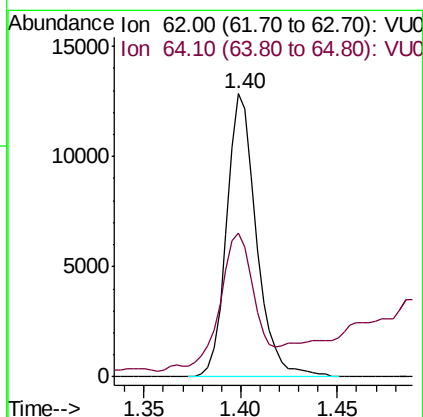
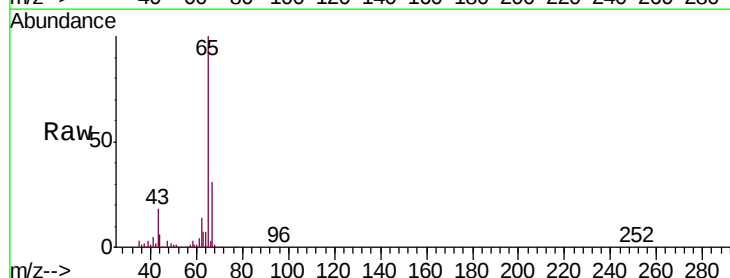
Instrument :
MSVOA_U
ClientSampleId :
F9W33

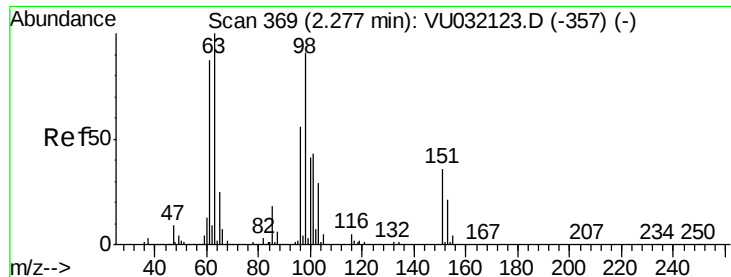
Tgt Ion: 50 Resp: 2522
Ion Ratio Lower Upper
50 100
52 36.1 23.2 43.0



#5
Vinyl chloride
Concen: 0.744 ug/L
RT: 1.40 min Scan# 96
Delta R.T. 0.00 min
Lab File: VU032131.D
Acq: 18 May 2019 04:36

Tgt Ion: 62 Resp: 13679
Ion Ratio Lower Upper
62 100
64 51.0 24.8 46.1#





#12

1,1-Dichloroethene

Concen: 0.570 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032131.D

Acq: 18 May 2019 04:36

Instrument :

MSVOA_U

ClientSampleId :

F9W33

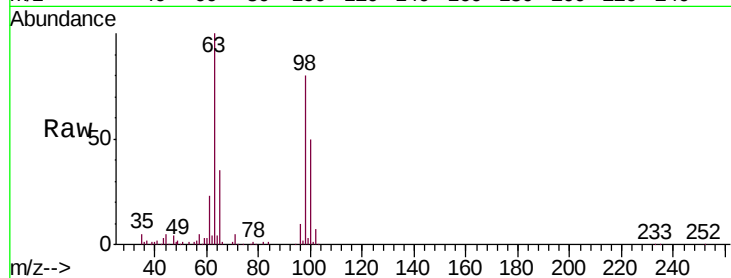
Tgt Ion: 96 Resp: 8345

Ion Ratio Lower Upper

96 100

61 229.1 111.7 207.5#

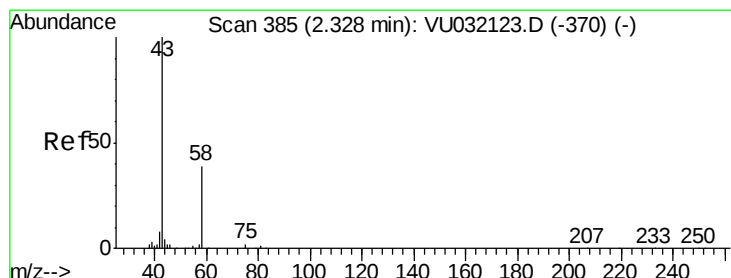
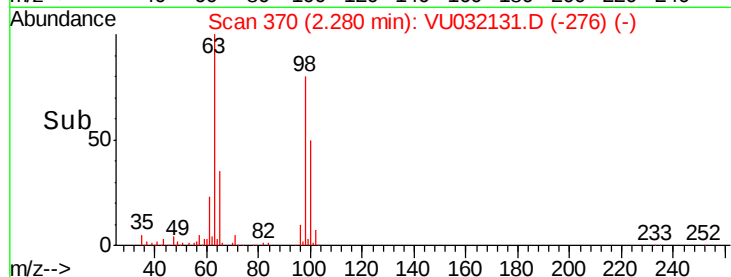
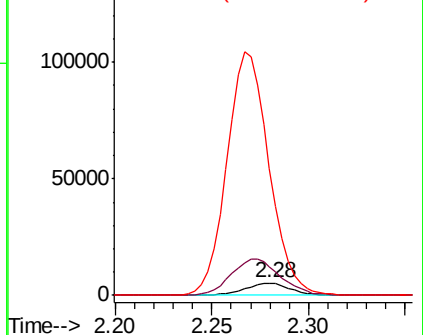
63 1014.1 152.2 282.6#



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: 51.469 ug/L

RT: 2.33 min Scan# 387

Delta R.T. 0.01 min

Lab File: VU032131.D

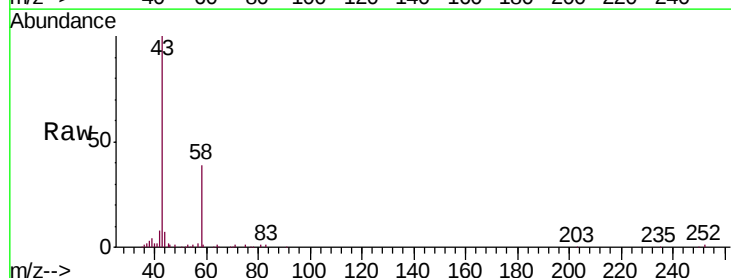
Acq: 18 May 2019 04:36

Tgt Ion: 43 Resp: 101862

Ion Ratio Lower Upper

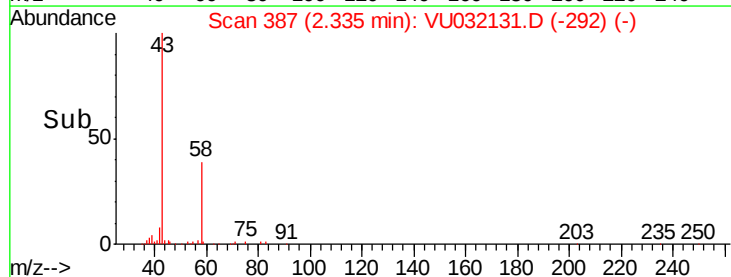
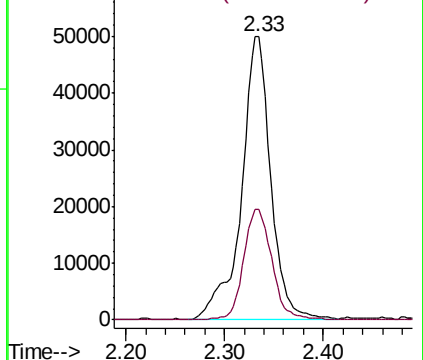
43 100

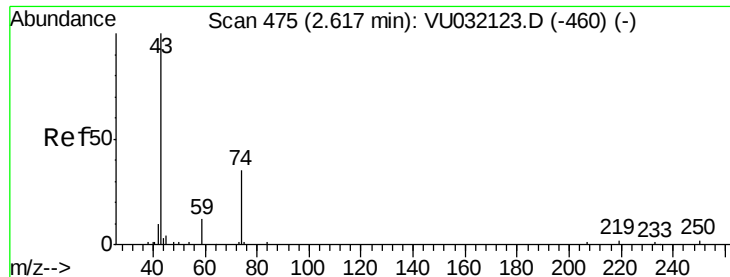
58 38.1 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

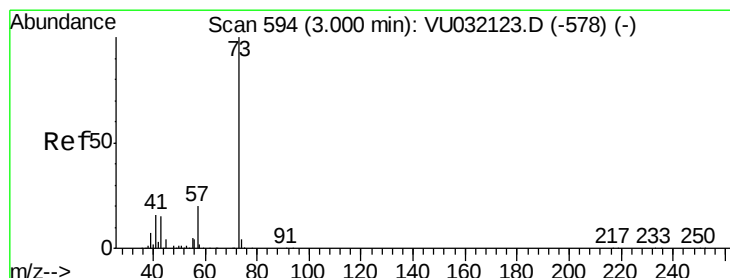
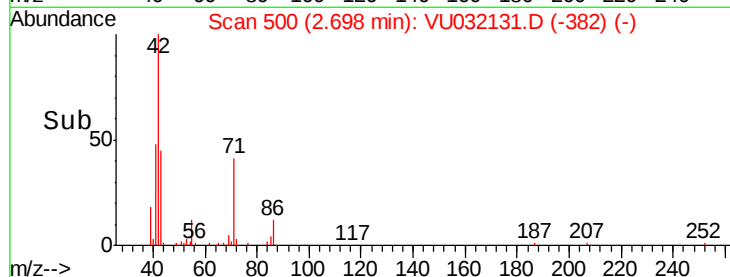
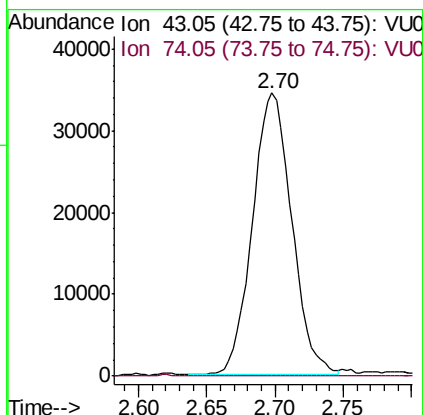
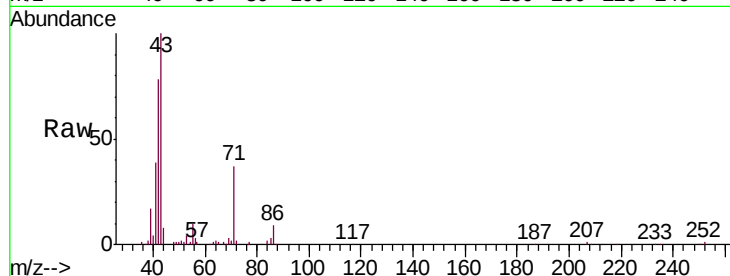




#15
Methyl Acetate
Concen: 12.142 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.08 min
Lab File: VU032131.D
Acq: 18 May 2019 04:36

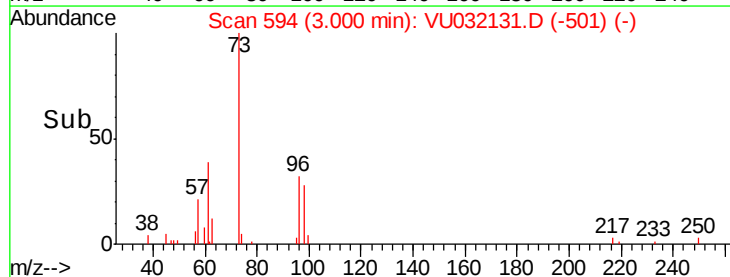
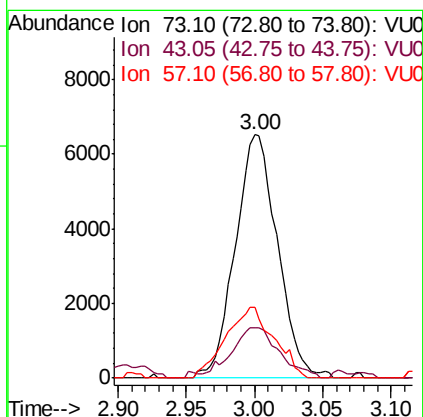
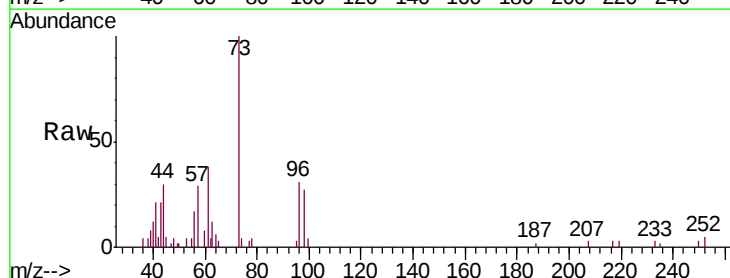
Instrument :
MSVOA_U
ClientSampleId :
F9W33

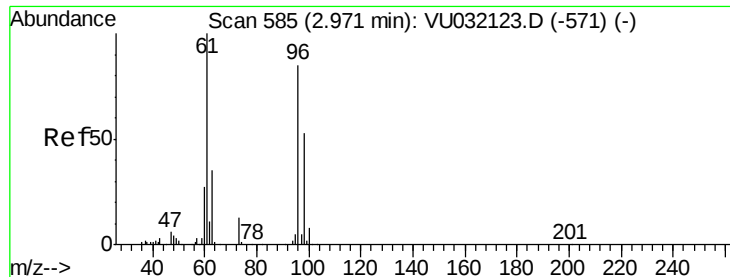
Tgt Ion: 43 Resp: 68900
Ion Ratio Lower Upper
43 100
74 0.1 26.4 39.6#



#17
Methyl tert-butyl Ether
Concen: 0.408 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU032131.D
Acq: 18 May 2019 04:36

Tgt Ion: 73 Resp: 14026
Ion Ratio Lower Upper
73 100
43 23.6 13.0 19.6#
57 33.2 17.9 26.9#





#18

trans-1,2-Dichloroethene

Concen: 2.055 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032131.D

Acq: 18 May 2019 04:36

Instrument :

MSVOA_U

ClientSampleId :

F9W33

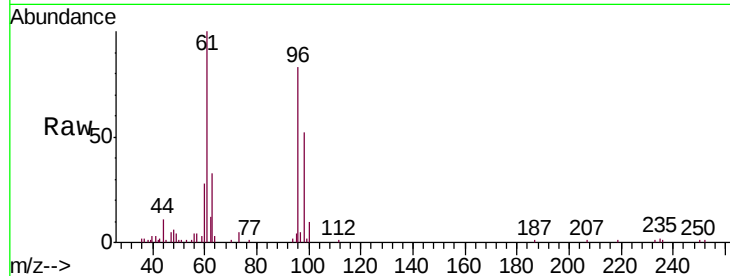
Tgt Ion: 96 Resp: 32207

Ion Ratio Lower Upper

96 100

61 121.1 86.5 160.7

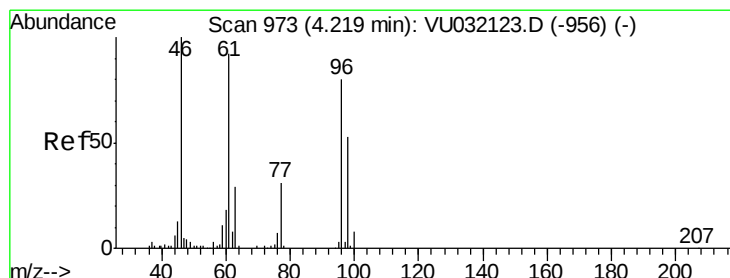
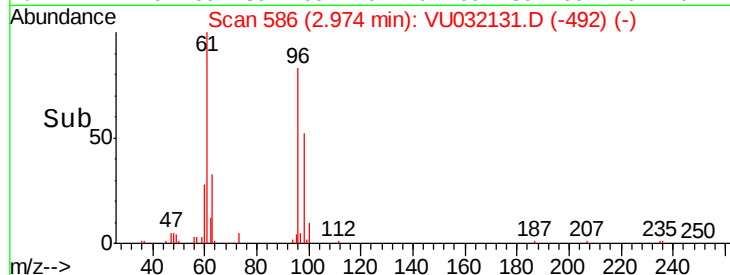
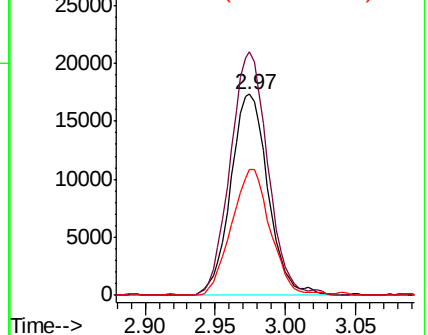
98 62.4 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU032131.D (-492) (-)

Ion 61.05 (60.75 to 61.75): VU032131.D (-492) (-)

Ion 97.95 (97.65 to 98.65): VU032131.D (-492) (-)



#22

cis-1,2-Dichloroethene

Concen: 13.294 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU032131.D

Acq: 18 May 2019 04:36

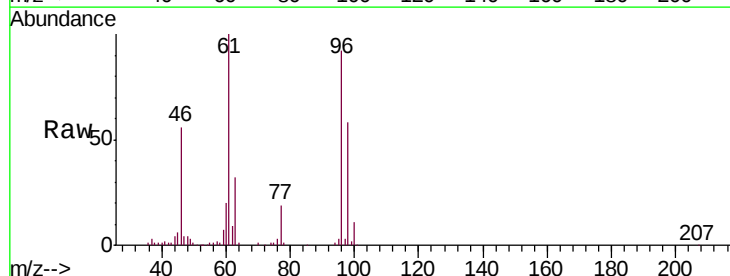
Tgt Ion: 96 Resp: 204934

Ion Ratio Lower Upper

96 100

61 108.6 85.8 159.4

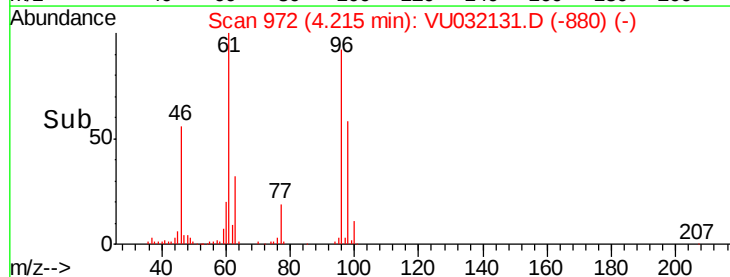
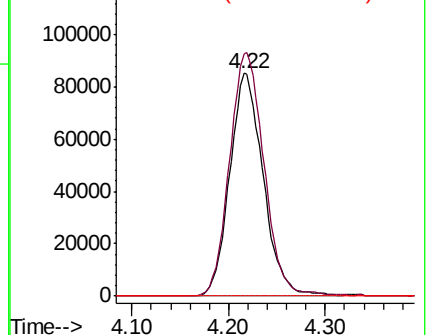
68 0.0 0.0 0.0

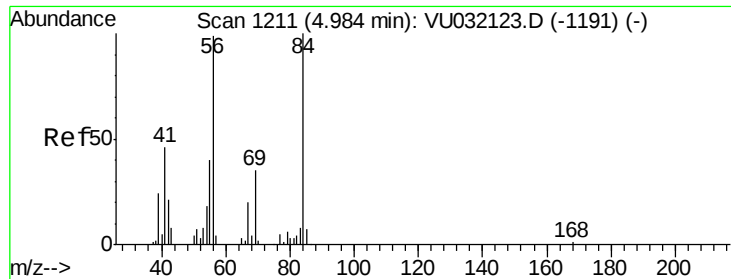


Abundance Ion 96.00 (95.70 to 96.70): VU032131.D (-880) (-)

Ion 61.05 (60.75 to 61.75): VU032131.D (-880) (-)

Ion 68.15 (67.85 to 68.85): VU032131.D (-880) (-)

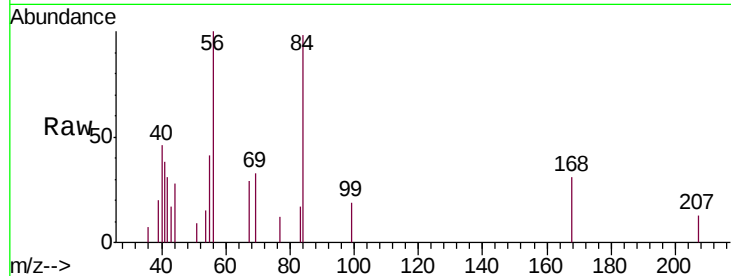




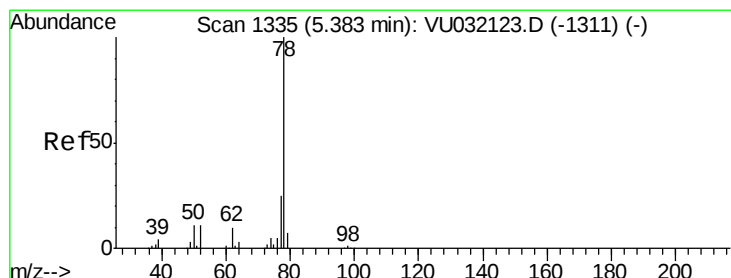
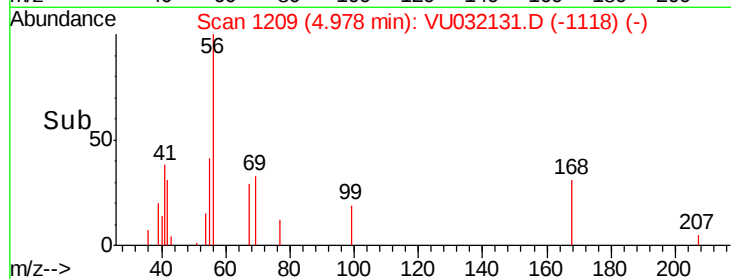
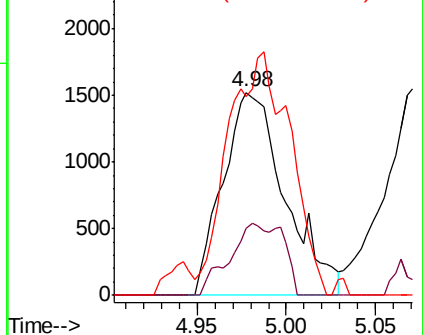
#30
Cyclohexane
Concen: 0.188 ug/L
RT: 4.98 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VU032131.D
Acq: 18 May 2019 04:36

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Tgt Ion: 56 Resp: 3696
Ion Ratio Lower Upper
56 100
69 22.1 26.9 40.3#
84 119.9 76.6 115.0#

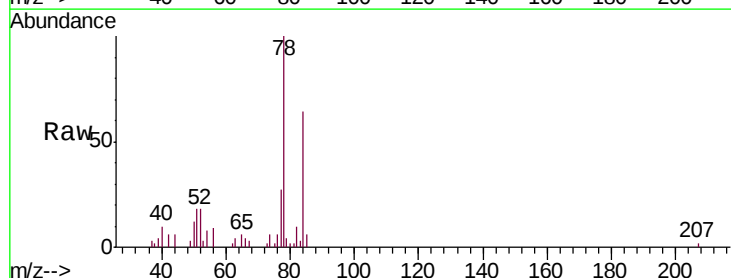


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

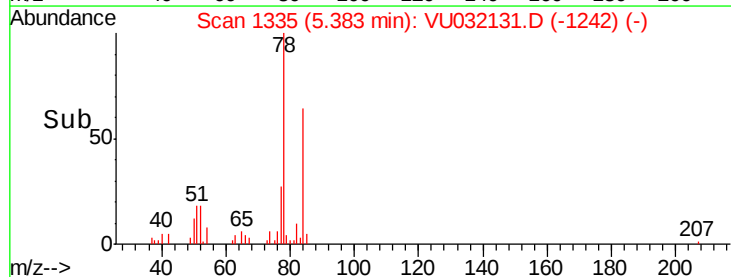
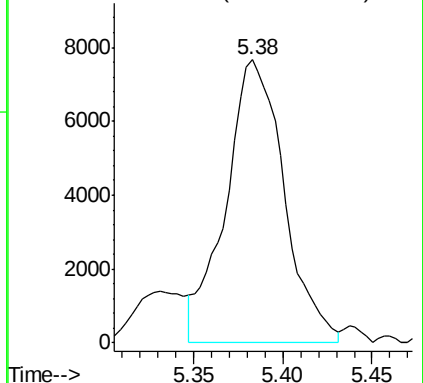


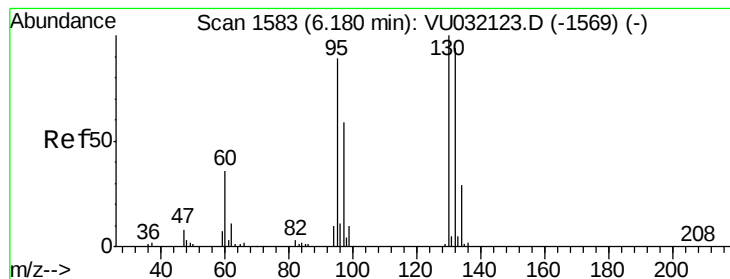
#33
Benzene
Concen: 0.310 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU032131.D
Acq: 18 May 2019 04:36

Tgt Ion: 78 Resp: 17447



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 24.658 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032131.D

Acq: 18 May 2019 04:36

Instrument :

MSVOA_U

ClientSampleId :

F9W33

Tgt Ion: 95 Resp: 376952

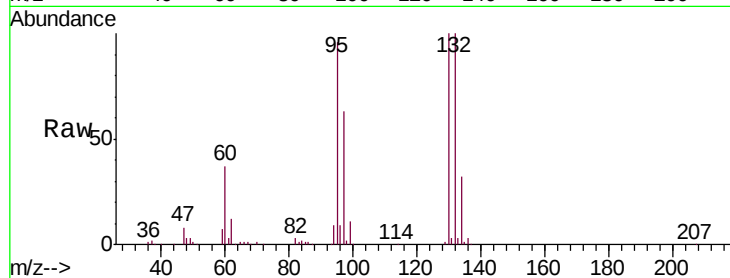
Ion Ratio Lower Upper

95 100

97 65.3 45.2 84.0

132 104.4 66.1 122.7

130 104.0 66.7 123.9

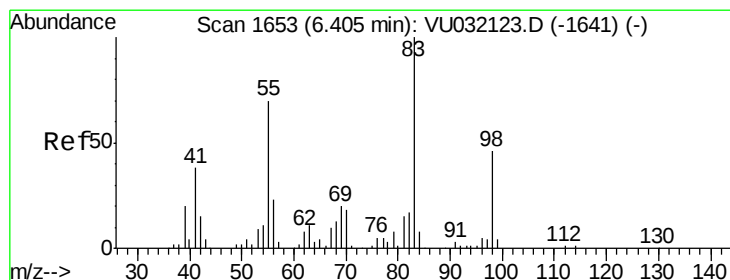
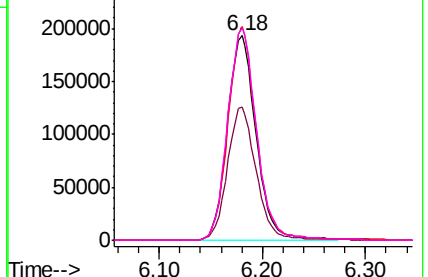
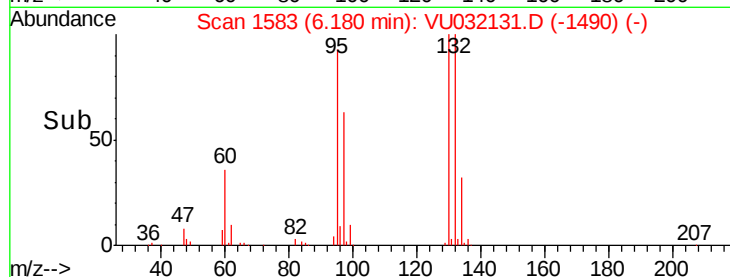


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.502 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032131.D

Acq: 18 May 2019 04:36

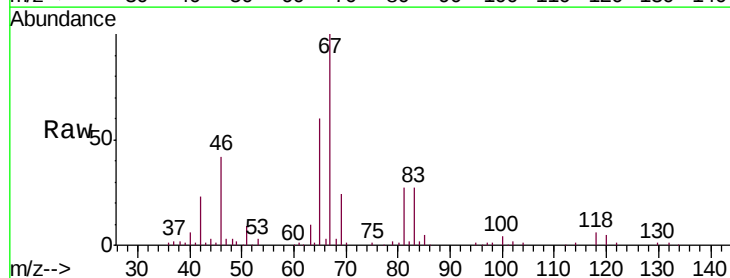
Tgt Ion: 83 Resp: 33063

Ion Ratio Lower Upper

83 100

55 0.4 59.7 89.5#

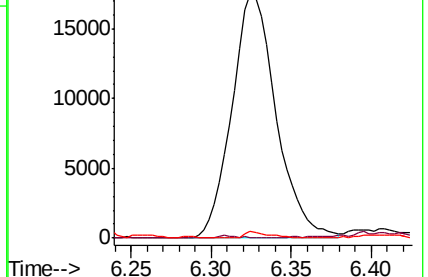
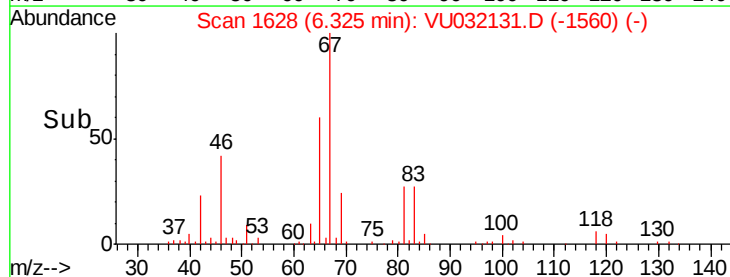
98 1.4 36.8 55.2#

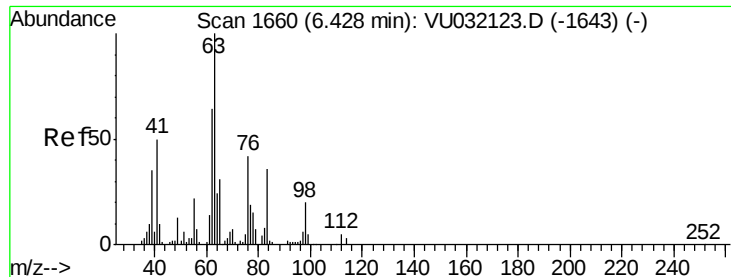


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.935 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032131.D

Acq: 18 May 2019 04:36

Instrument :

MSVOA_U

ClientSampleId :

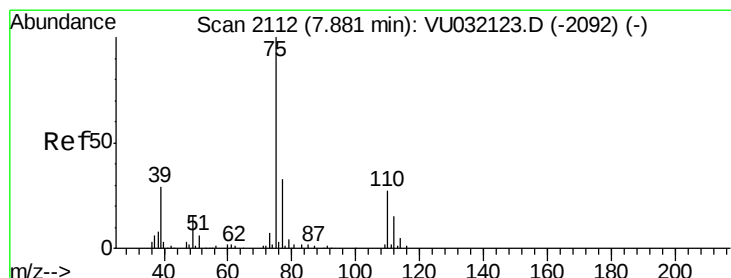
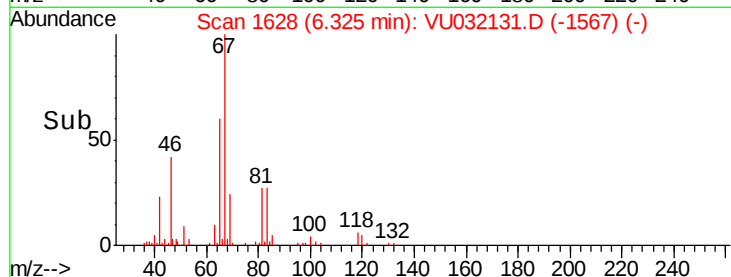
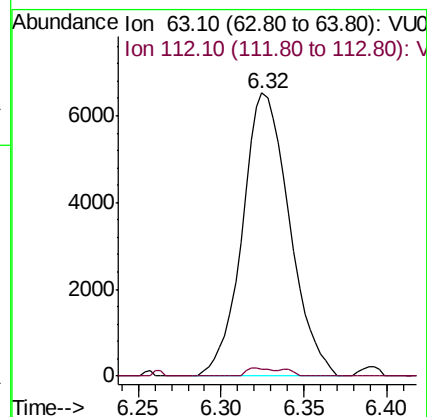
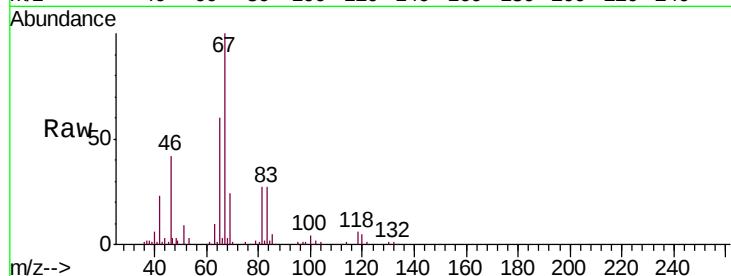
F9W33

Tgt Ion: 63 Resp: 12879

Ion Ratio Lower Upper

63 100

112 1.6 3.8 5.6#



#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032131.D

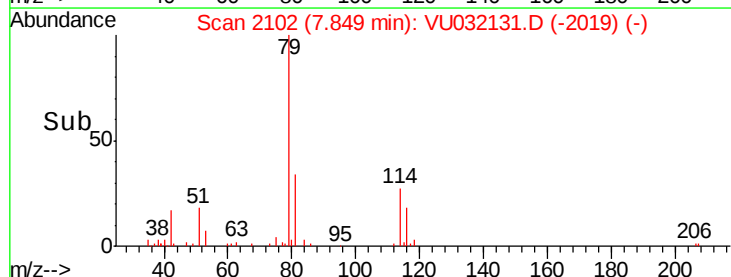
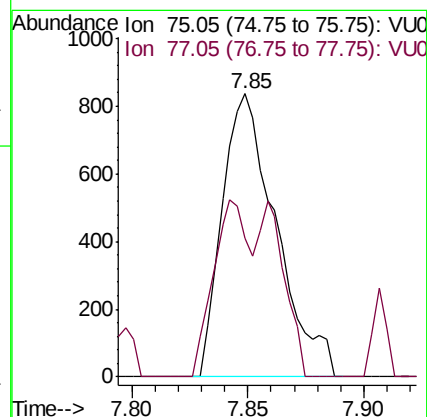
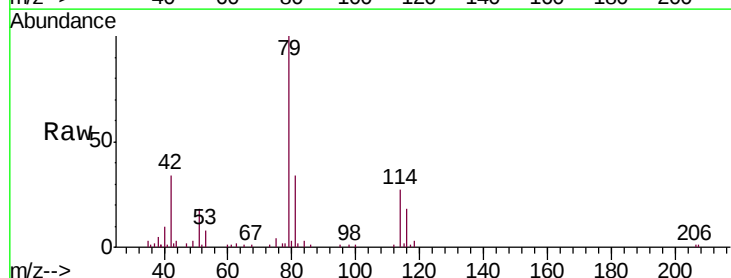
Acq: 18 May 2019 04:36

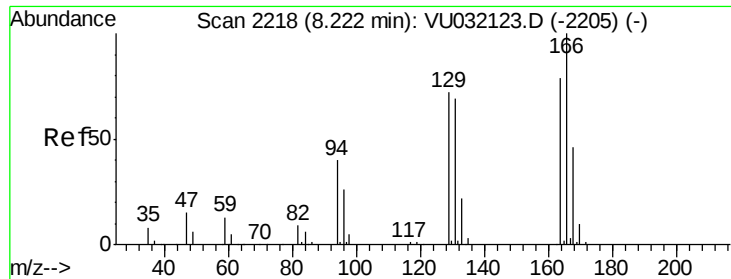
Tgt Ion: 75 Resp: 1350

Ion Ratio Lower Upper

75 100

77 49.0 21.0 39.0#

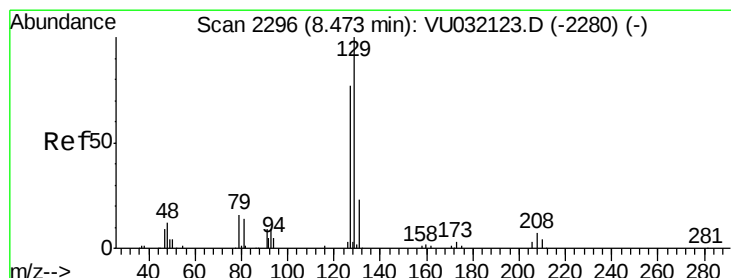
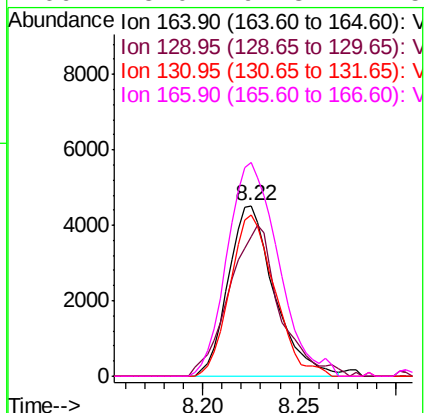
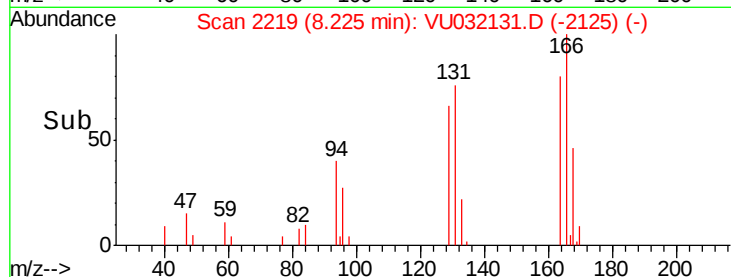
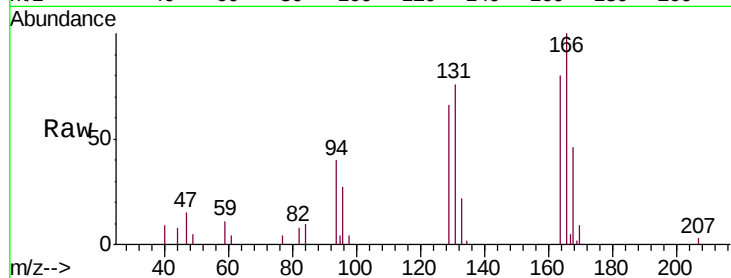




#47
Tetrachloroethene
Concen: 0.655 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032131.D
Acq: 18 May 2019 04:36

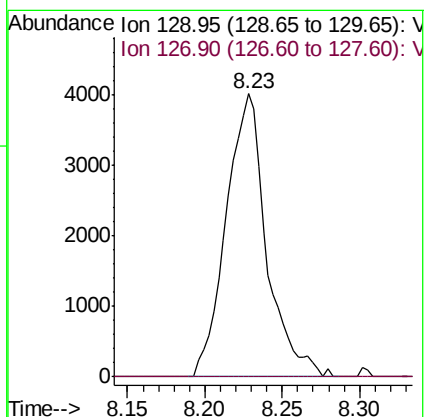
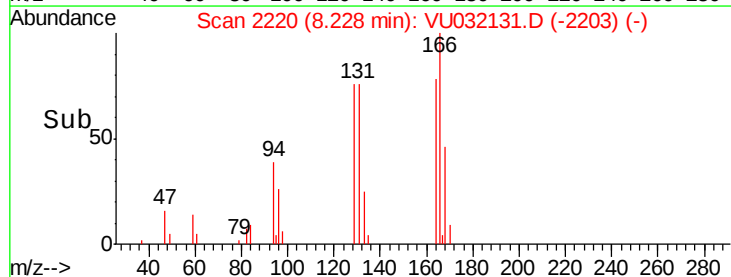
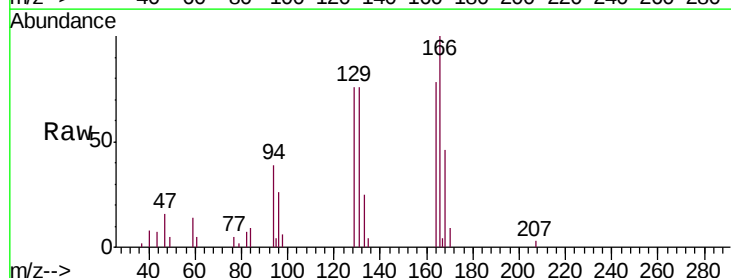
Instrument :
MSVOA_U
ClientSampleId :
F9W33

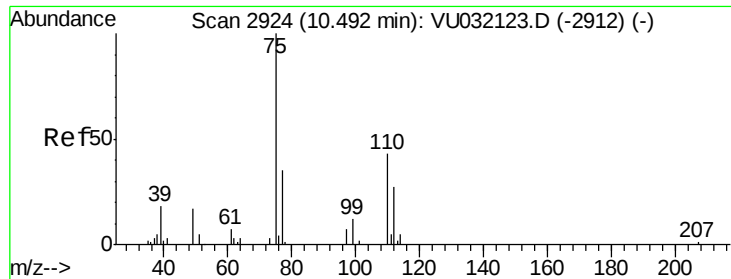
Tgt Ion:164 Resp: 7483
Ion Ratio Lower Upper
164 100
129 82.0 70.3 130.5
131 94.7 64.5 119.9
166 125.0 92.3 171.5



#49
Dibromochloromethane
Concen: 0.620 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. -0.24 min
Lab File: VU032131.D
Acq: 18 May 2019 04:36

Tgt Ion:129 Resp: 7275
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.6#





#59

1,2,3-Trichloropropane

Concen: 1.589 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032131.D

Acq: 18 May 2019 04:36

Instrument :

MSVOA_U

ClientSampleId :

F9W33

Tgt Ion: 75 Resp: 13911

Ion Ratio Lower Upper

75 100

77 35.9 26.2 39.2

