

Data File : VU035062.D
Acq On : 10 Oct 2019 21:01
Operator : JC/SP
Sample : K5309-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RB-2-191003-01

Quant Time: Oct 11 04:45:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 04:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	160544	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	168221	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	63820	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	35498	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.68	69	37850	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.26	63	56860	2.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.80%#
20) 2-Butanone-d5	4.17	46	150142	53.72	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.44%
24) Chloroform-d	4.63	84	83964	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.29	65	52047	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.32	84	164784	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.31	67	62585	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.55	98	145585	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
43) trans-1,3-Dichloropropene-	7.84	79	17641	3.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.40%
46) 2-Hexanone-d5	8.30	63	112184	49.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.40%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	56594	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	57924	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	3627	0.225 ug/L	98
13) Acetone	2.31	43	25361	11.080 ug/L	93
14) Carbon disulfide	2.47	76	8611	0.251 ug/L #	92
16) Methylene chloride	2.68	84	2638	0.207 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	673	0.061 ug/L #	87
22) cis-1,2-Dichloroethene	4.20	96	3081	0.250 ug/L	93
25) Chloroform	4.65	83	9151	0.371 ug/L	95
34) Trichloroethene	6.17	95	4908	0.376 ug/L	97
35) Methylcyclohexane	6.31	83	13544	0.640 ug/L #	19
42) Toluene	7.62	91	30536	0.577 ug/L	95
45) 1,1,2-Trichloroethane	8.21	97	1259	0.139 ug/L #	14
47) Tetrachloroethene	8.21	164	133708	12.640 ug/L	97
48) 2-Hexanone	8.31	43	11454	1.942 ug/L #	67
49) Dibromochloromethane	8.21	129	129197	12.316 ug/L #	12
53) m,p-Xylene	9.36	106	2305	0.107 ug/L	69
59) 1,2,3-Trichloropropane	11.47	75	7921	0.895 ug/L #	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101119\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 04:39:23 2019
Response via : Initial Calibration

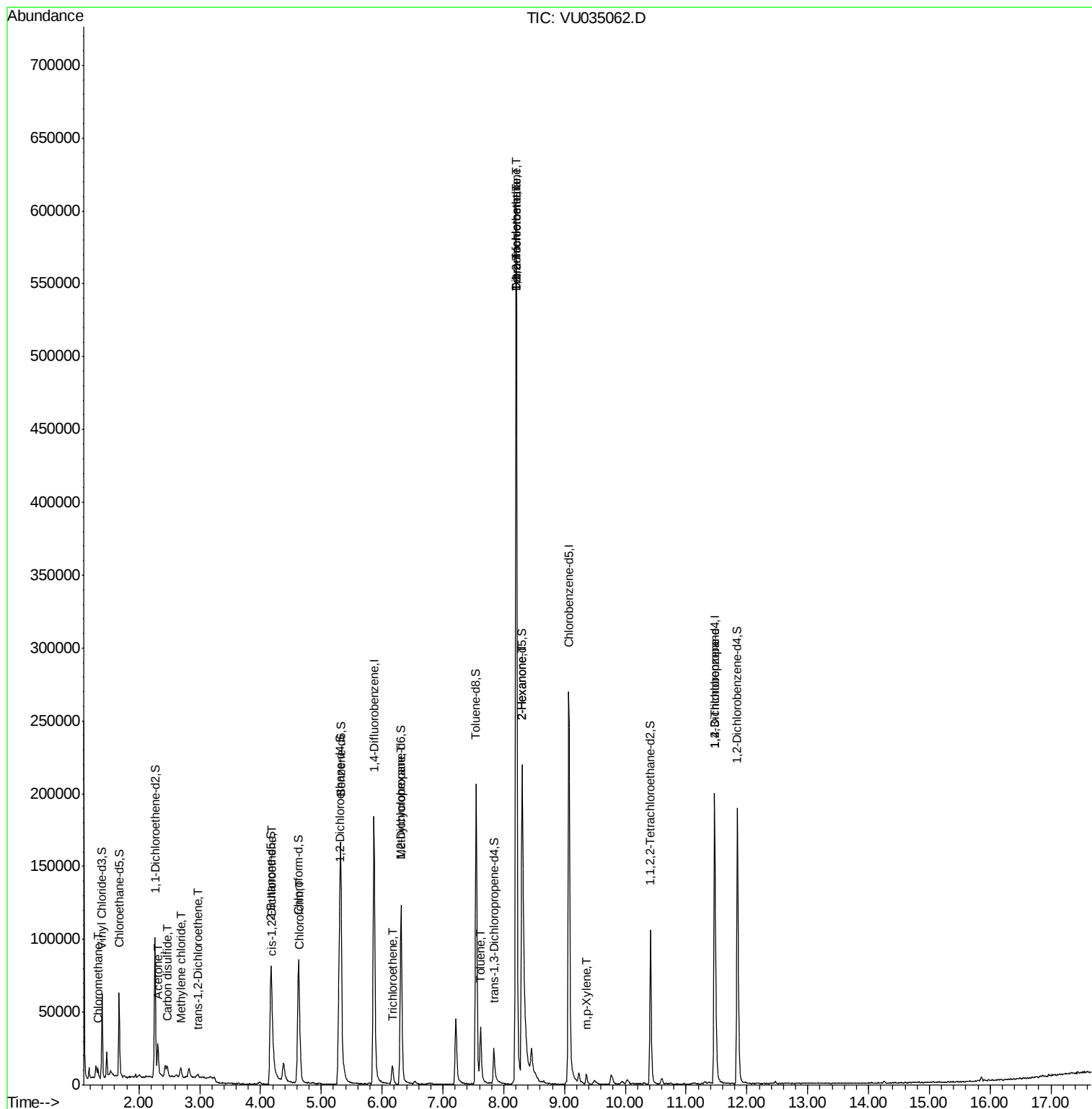
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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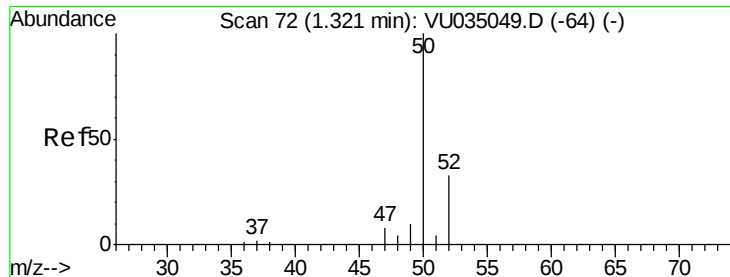
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 11 04:39:23 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.225 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

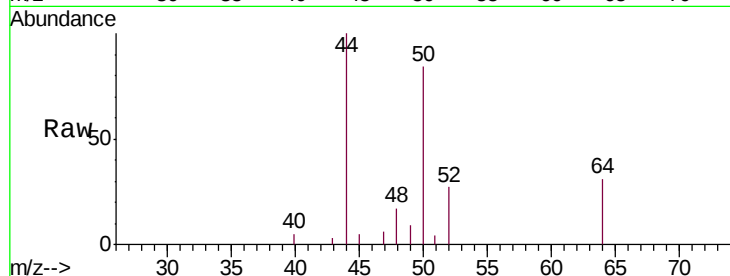
RB-2-191003-01

Tgt Ion: 50 Resp: 3627

Ion Ratio Lower Upper

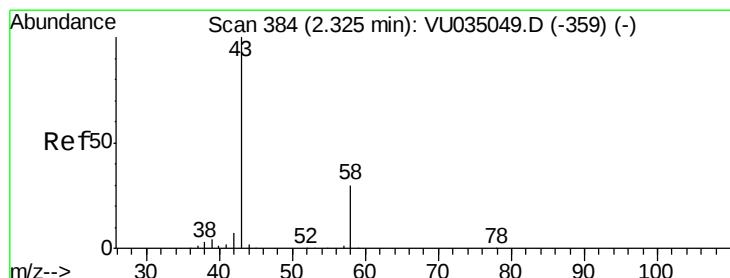
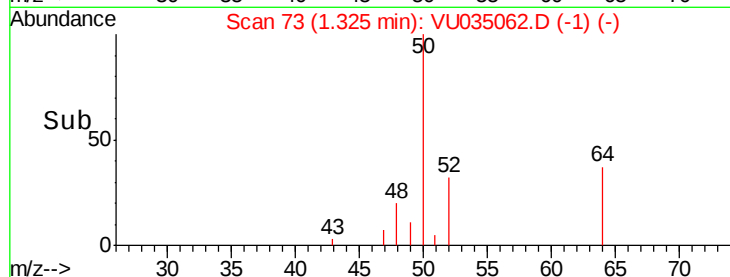
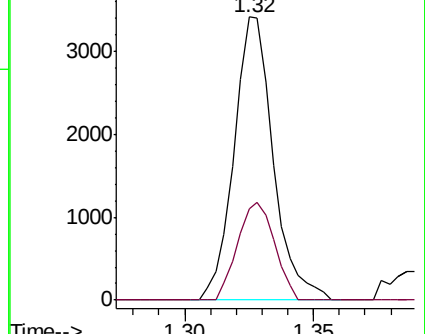
50 100

52 32.1 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035049.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035049.D (-64) (-)



#13

Acetone

Concen: 11.080 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU035062.D

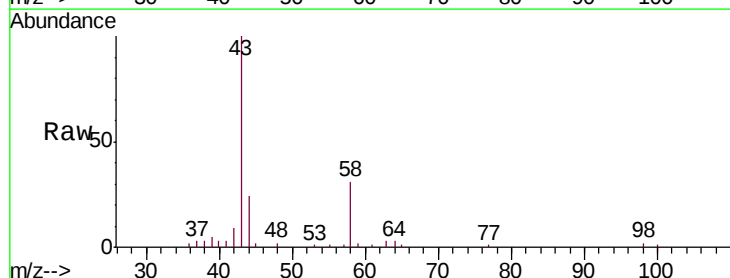
Acq: 10 Oct 2019 21:01

Tgt Ion: 43 Resp: 25361

Ion Ratio Lower Upper

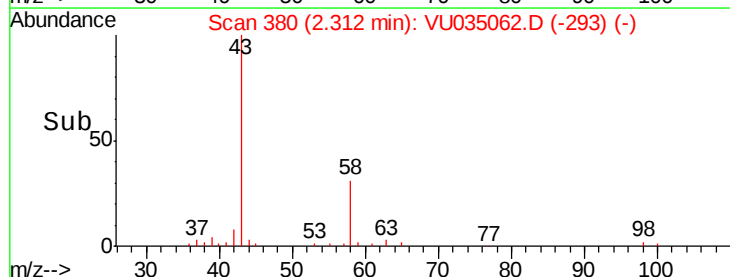
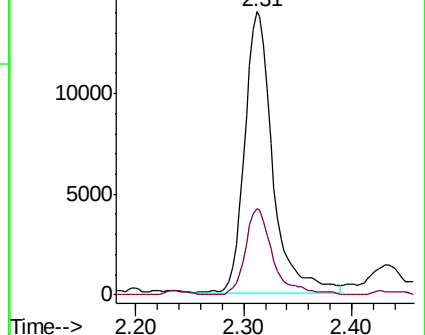
43 100

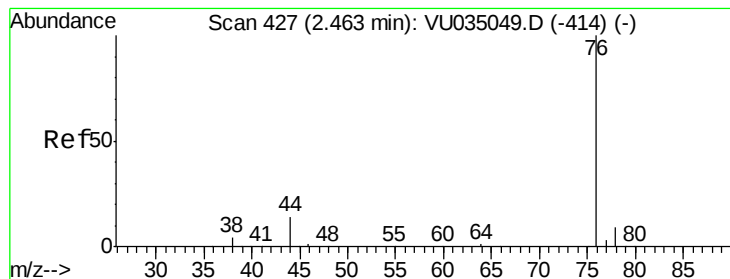
58 29.6 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035049.D (-359) (-)

Ion 58.05 (57.75 to 58.75): VU035049.D (-359) (-)





#14

Carbon disulfide

Concen: 0.251 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

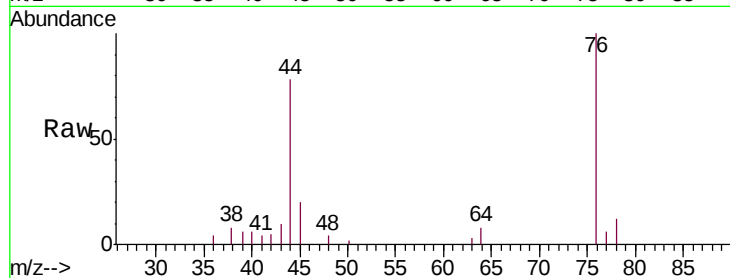
RB-2-191003-01

Tgt Ion: 76 Resp: 8611

Ion Ratio Lower Upper

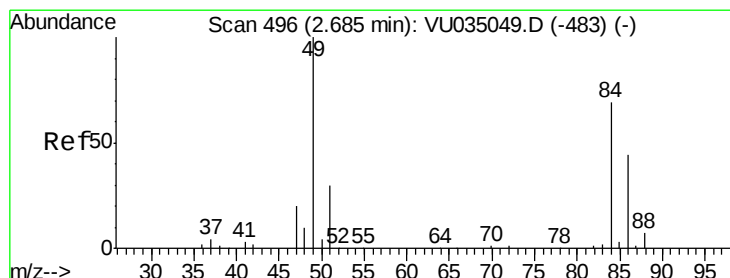
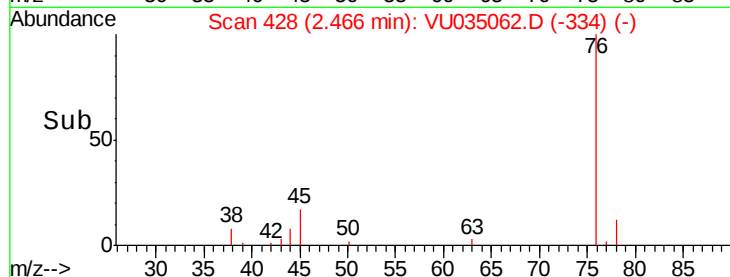
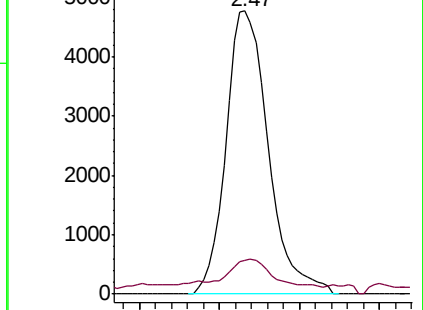
76 100

78 11.9 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU035049.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU035049.D (-414) (-)



#16

Methylene chloride

Concen: 0.207 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

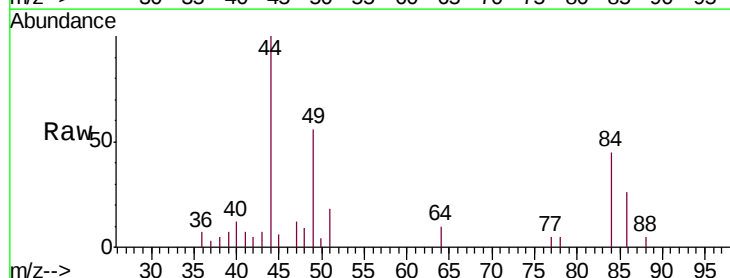
Tgt Ion: 84 Resp: 2638

Ion Ratio Lower Upper

84 100

86 58.8 42.5 78.9

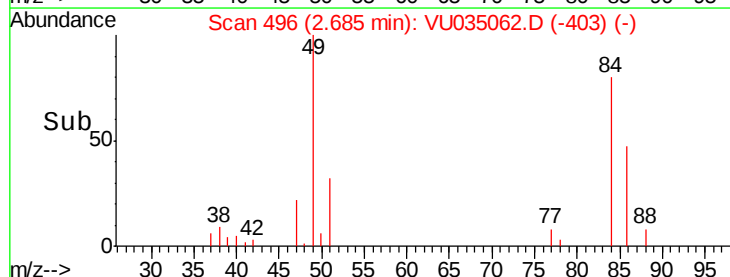
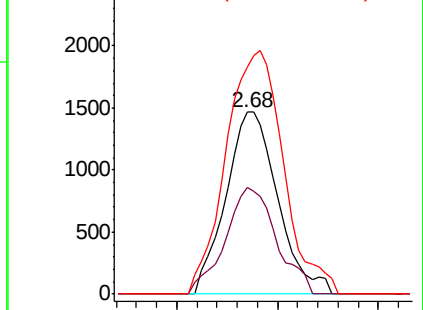
49 124.7 86.9 161.3

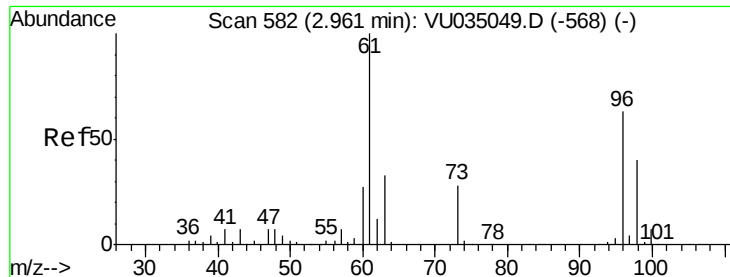


Abundance Ion 84.05 (83.75 to 84.75): VU035049.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VU035049.D (-483) (-)

Ion 49.10 (48.80 to 49.80): VU035049.D (-483) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.061 ug/L

RT: 2.97 min Scan# 585

Delta R.T. 0.01 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

RB-2-191003-01

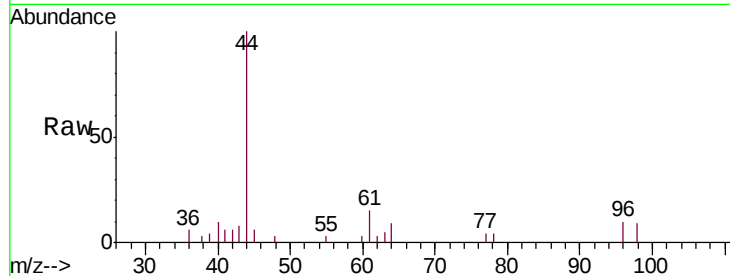
Tgt Ion: 96 Resp: 673

Ion Ratio Lower Upper

96 100

61 147.0 107.1 198.9

98 89.6 45.4 84.4#

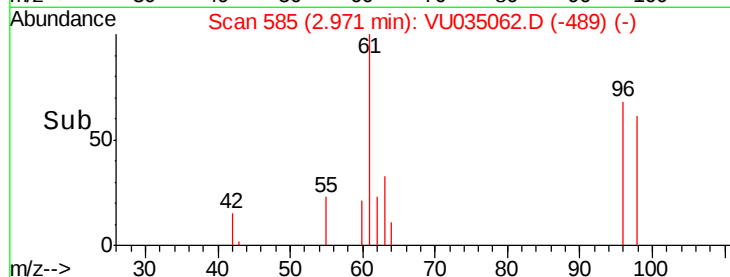


Abundance Ion 96.00 (95.70 to 96.70): VU035049.D (-568) (-)

Ion 61.05 (60.75 to 61.75): VU035049.D (-568) (-)

Ion 97.95 (97.65 to 98.65): VU035049.D (-568) (-)

Time-->

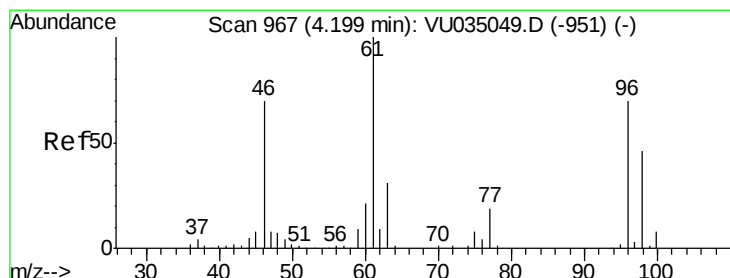


Abundance Ion 96.00 (95.70 to 96.70): VU035062.D (-489) (-)

Ion 61.05 (60.75 to 61.75): VU035062.D (-489) (-)

Ion 97.95 (97.65 to 98.65): VU035062.D (-489) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.250 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

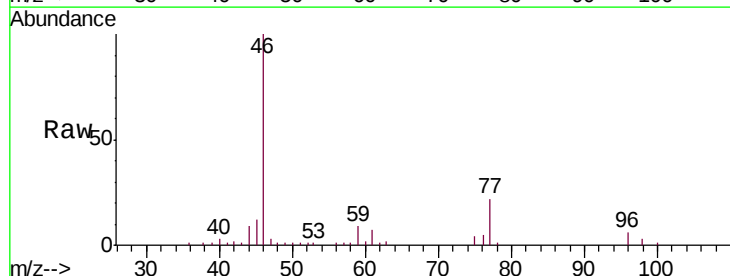
Tgt Ion: 96 Resp: 3081

Ion Ratio Lower Upper

96 100

61 119.6 89.2 165.6

68 0.0 0.0 0.0

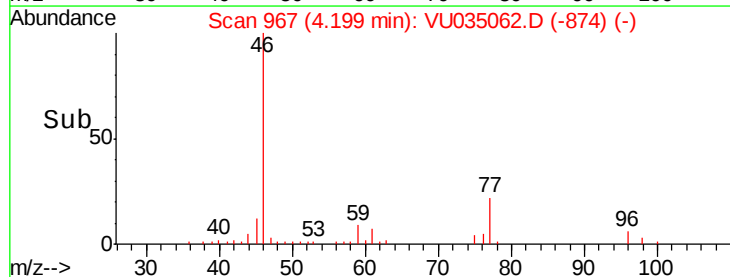


Abundance Ion 96.00 (95.70 to 96.70): VU035049.D (-951) (-)

Ion 61.05 (60.75 to 61.75): VU035049.D (-951) (-)

Ion 68.15 (67.85 to 68.85): VU035049.D (-951) (-)

Time-->

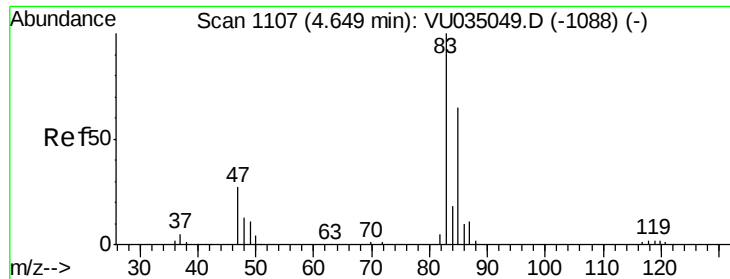


Abundance Ion 96.00 (95.70 to 96.70): VU035062.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VU035062.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VU035062.D (-874) (-)

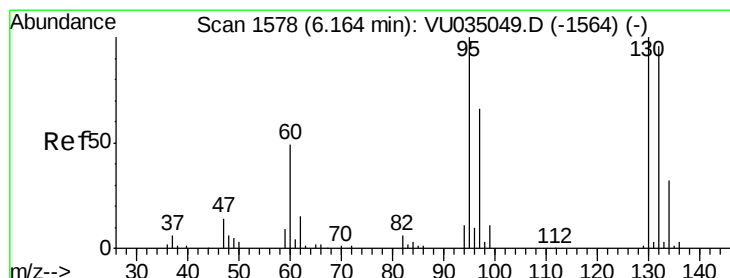
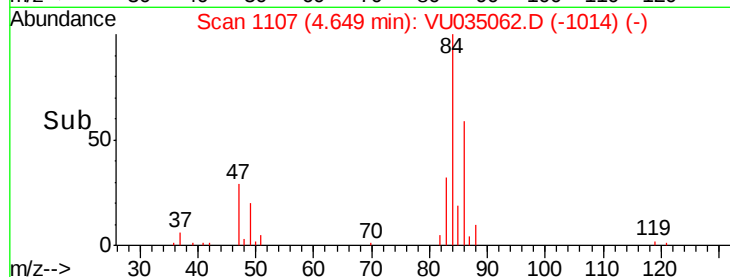
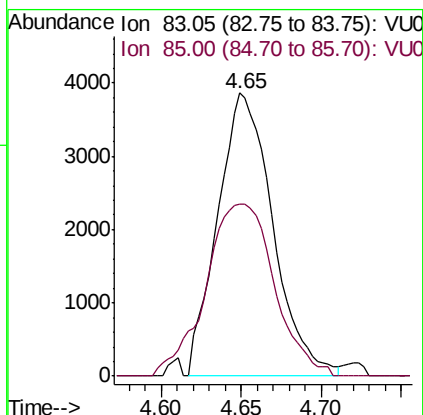
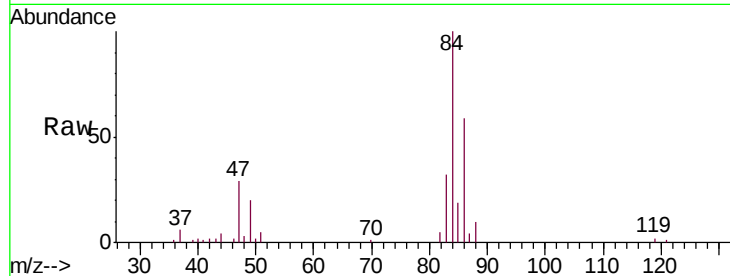
Time-->



#25
Chloroform
Concen: 0.371 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU035062.D
Acq: 10 Oct 2019 21:01

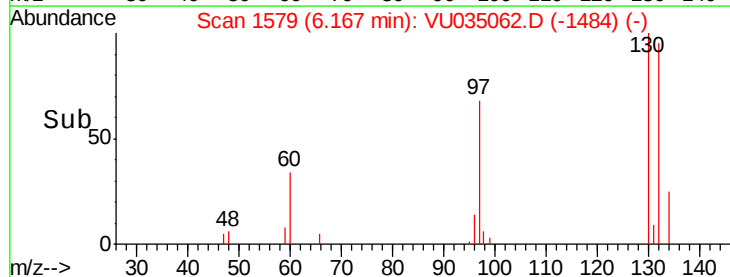
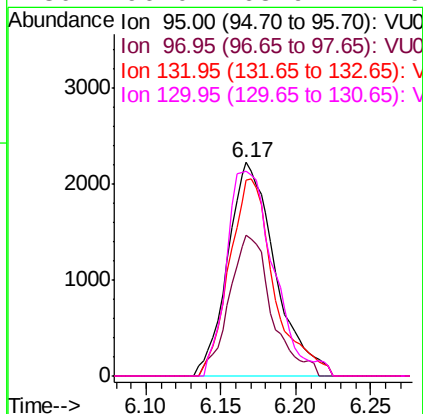
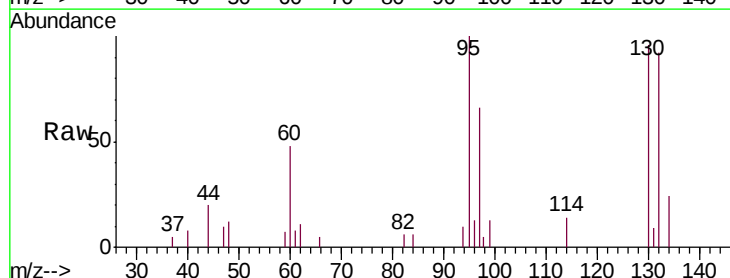
Instrument :
MSVOA_U
ClientSampleId :
RB-2-191003-01

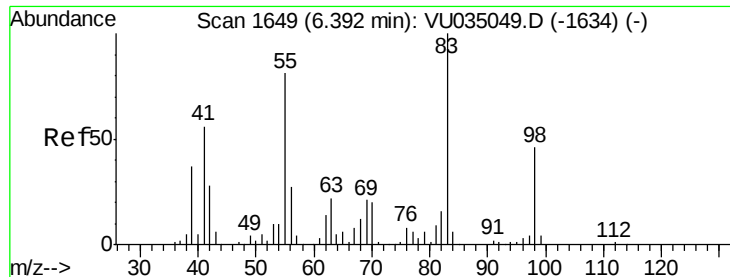
Tgt Ion: 83 Resp: 9151
Ion Ratio Lower Upper
83 100
85 60.7 45.4 84.4



#34
Trichloroethene
Concen: 0.376 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VU035062.D
Acq: 10 Oct 2019 21:01

Tgt Ion: 95 Resp: 4908
Ion Ratio Lower Upper
95 100
97 65.7 44.5 82.7
132 91.6 66.6 123.8
130 96.0 68.9 127.9

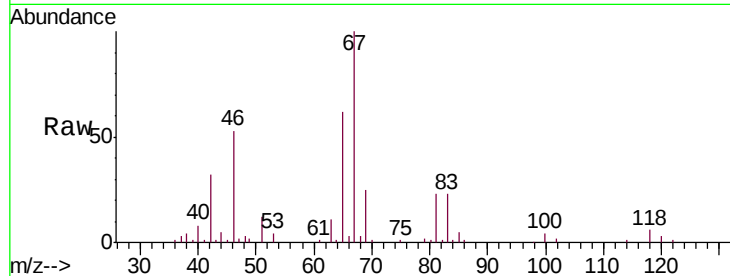




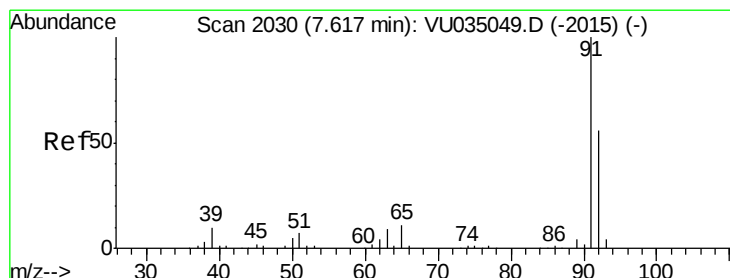
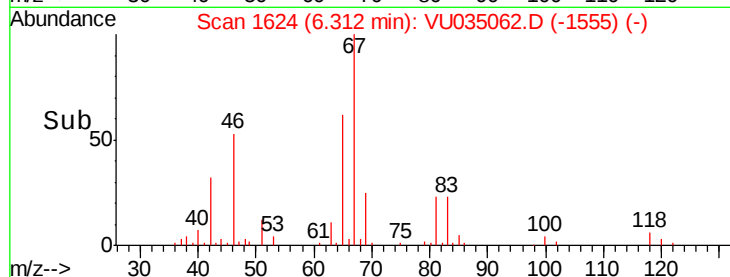
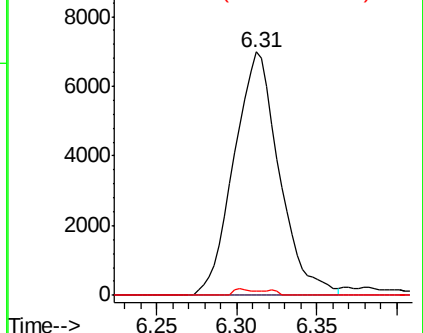
#35
Methylcyclohexane
Concen: 0.640 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU035062.D
Acq: 10 Oct 2019 21:01

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Tgt Ion: 83 Resp: 13544
Ion Ratio Lower Upper
83 100
55 0.5 62.6 94.0#
98 0.6 36.2 54.2#

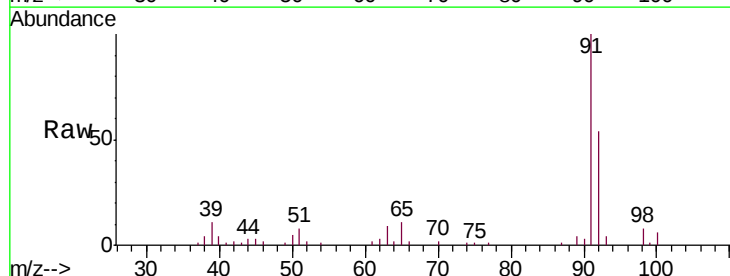


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

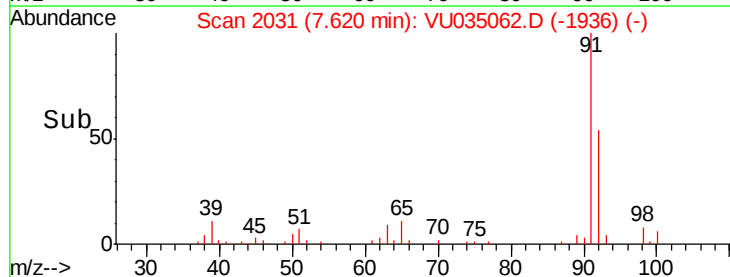
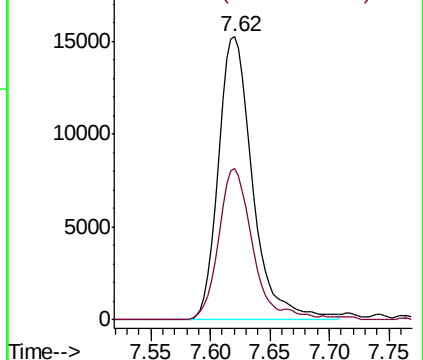


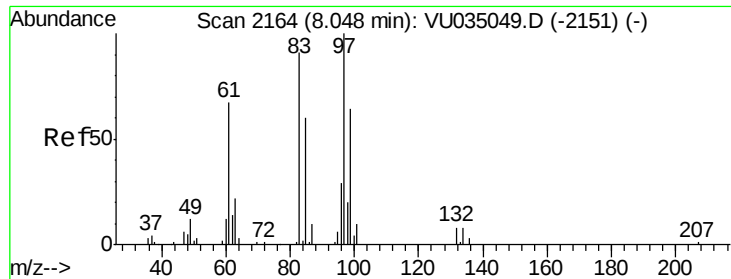
#42
Toluene
Concen: 0.577 ug/L
RT: 7.62 min Scan# 2031
Delta R.T. 0.01 min
Lab File: VU035062.D
Acq: 10 Oct 2019 21:01

Tgt Ion: 91 Resp: 30536
Ion Ratio Lower Upper
91 100
92 53.6 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#45

1,1,2-Trichloroethane

Concen: 0.139 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.16 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

RB-2-191003-01

Tgt Ion: 97 Resp: 1259

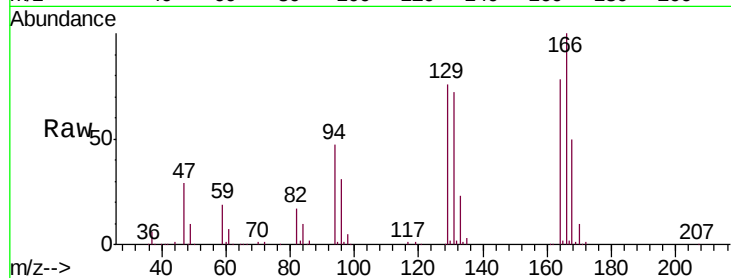
Ion Ratio Lower Upper

97 100

99 19.2 42.3 78.5#

83 230.5 58.0 107.6#

85 52.8 37.8 70.2

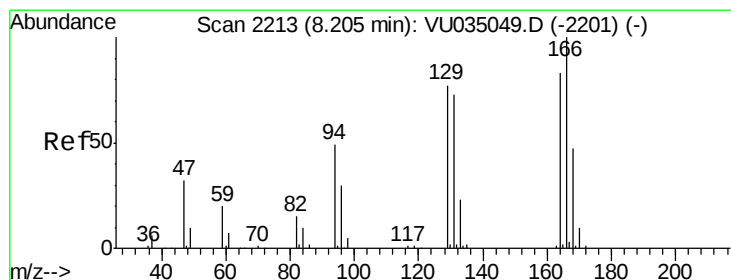
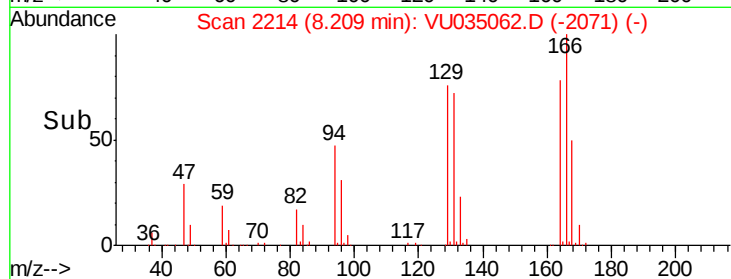
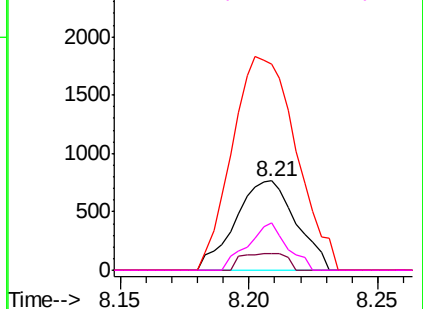


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 12.640 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

Tgt Ion:164 Resp: 133708

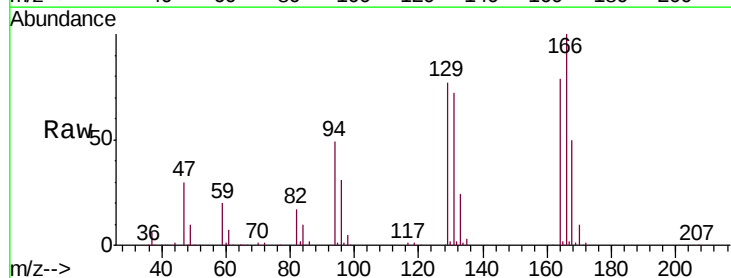
Ion Ratio Lower Upper

164 100

129 98.4 68.5 127.1

131 92.0 67.3 124.9

166 127.3 93.1 172.9

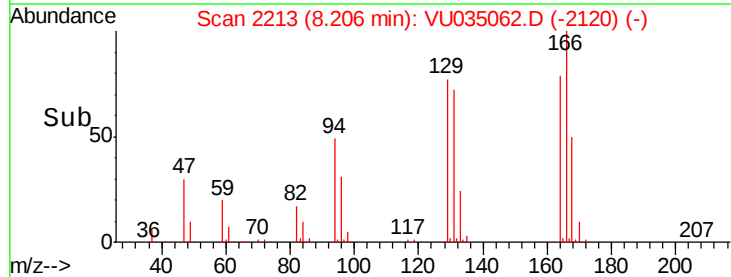
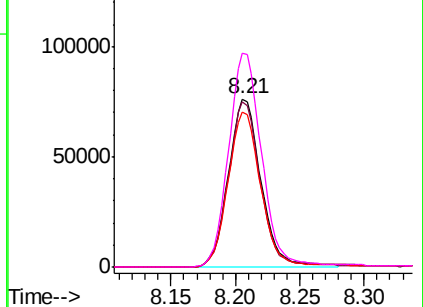


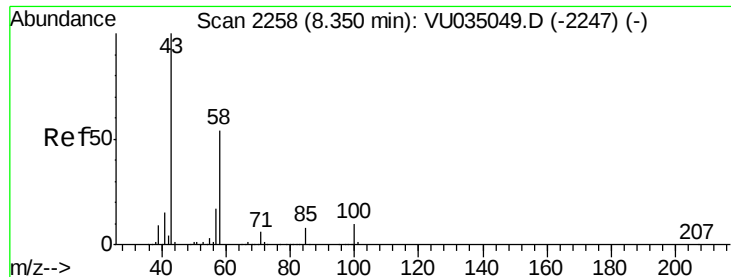
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

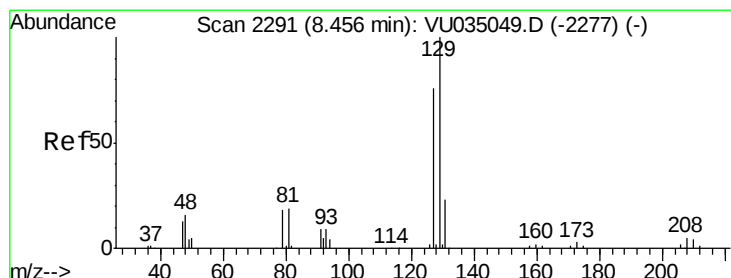
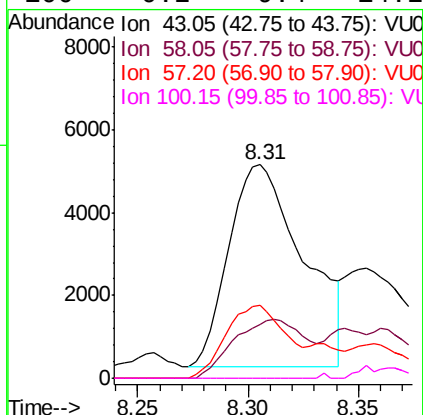
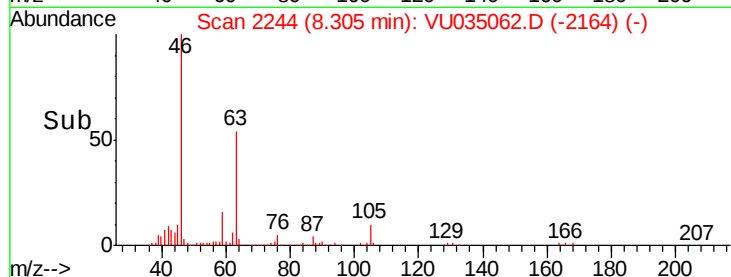
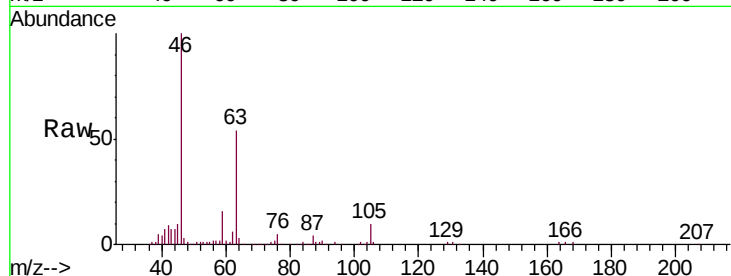




#48
2-Hexanone
Concen: 1.942 ug/L
RT: 8.31 min Scan# 2244
Delta R.T. -0.04 min
Lab File: VU035062.D
Acq: 10 Oct 2019 21:01

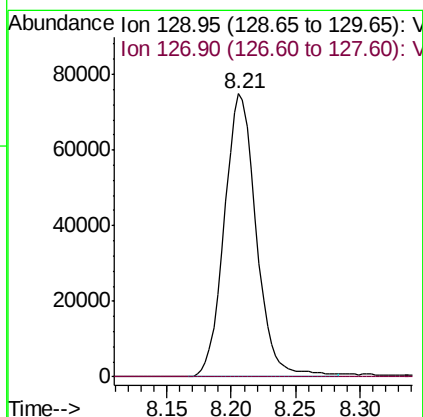
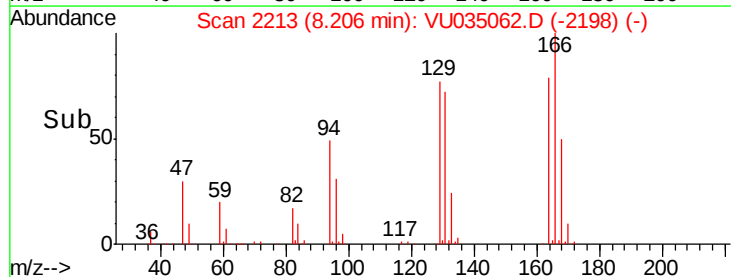
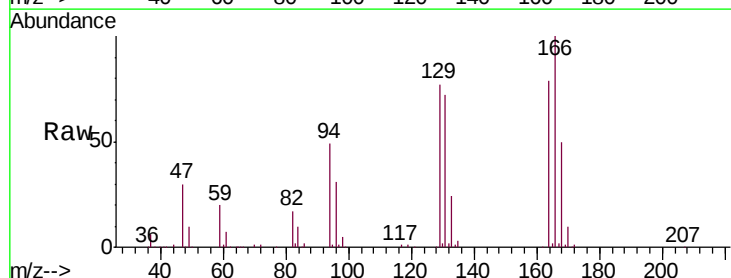
Instrument :
MSVOA_U
ClientSampleId :
RB-2-191003-01

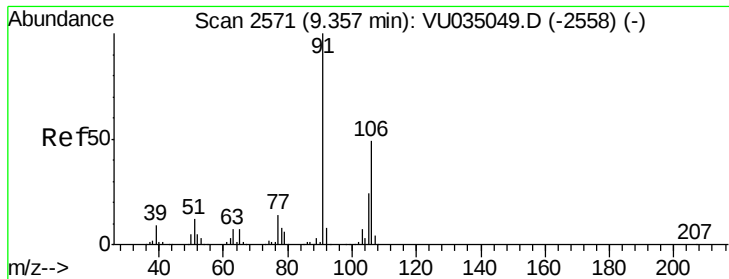
Tgt Ion: 43 Resp: 11454
Ion Ratio Lower Upper
43 100
58 27.7 44.1 66.1#
57 28.8 15.8 23.8#
100 0.2 9.4 14.2#



#49
Dibromochloromethane
Concen: 12.316 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.25 min
Lab File: VU035062.D
Acq: 10 Oct 2019 21:01

Tgt Ion: 129 Resp: 129197
Ion Ratio Lower Upper
129 100
127 0.0 51.9 96.5#





#53

m,p-Xylene

Concen: 0.107 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.01 min

Lab File: VU035062.D

Acq: 10 Oct 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

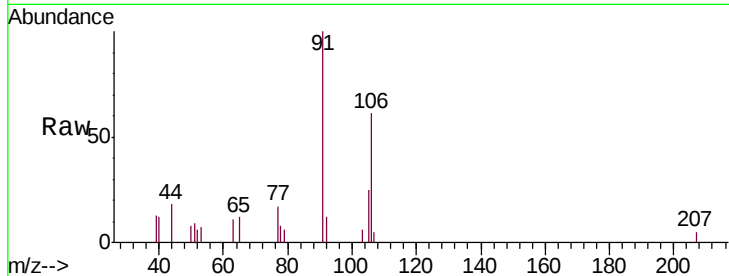
RB-2-191003-01

Tgt Ion: 106 Resp: 2305

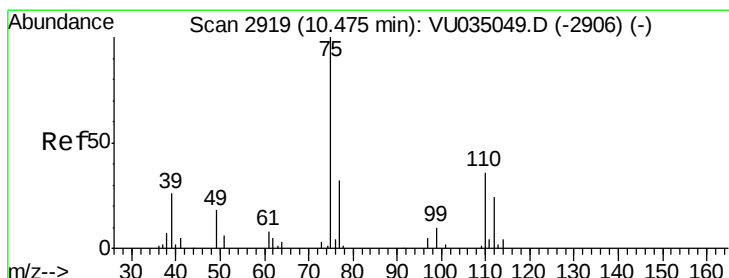
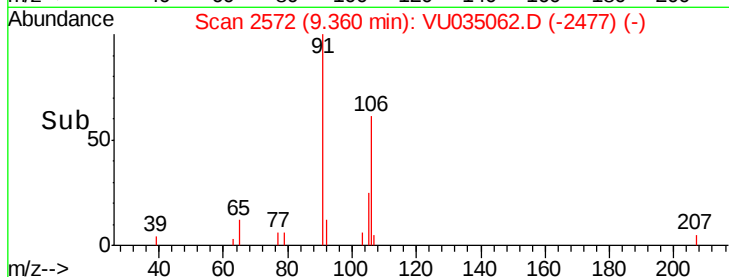
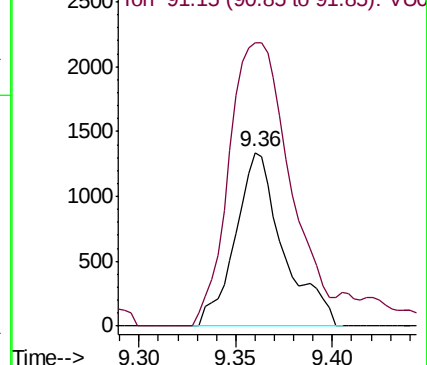
Ion Ratio Lower Upper

106 100

91 162.8 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU035049.D (-2558) (-)



#59

1,2,3-Trichloropropane

Concen: 0.895 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 1.00 min

Lab File: VU035062.D

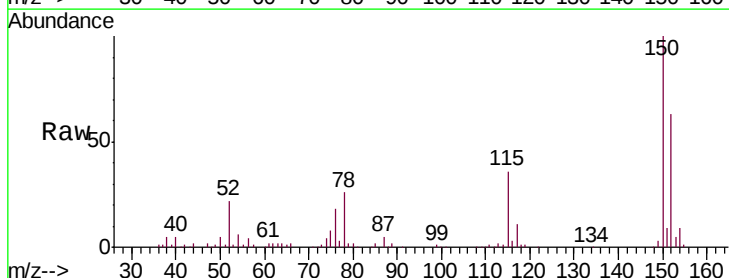
Acq: 10 Oct 2019 21:01

Tgt Ion: 75 Resp: 7921

Ion Ratio Lower Upper

75 100

77 40.0 26.5 39.7#



Abundance Ion 75.00 (74.70 to 75.70): VU035049.D (-2906) (-)

