

Data File : VU033515.D
Acq On : 31 Jul 2019 11:03
Operator : JC/SP
Sample : K4103-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB9A5

Quant Time: Aug 01 07:23:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	317027	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	307856	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	156287	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	104362	45.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.56%
7) Chloroethane-d5	1.66	69	164084	82.97	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	165.94%#
11) 1,1-Dichloroethene-d2	2.26	63	223805	53.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.00%
21) 2-Butanone-d5	4.15	46	152275	99.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.74%
24) Chloroform-d	4.62	84	197584	51.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.28%
26) 1,2-Dichloroethane-d4	5.29	65	120908	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
32) Benzene-d6	5.32	84	381838	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.06%
36) 1,2-Dichloropropane-d6	6.31	67	123108	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.92%
41) Toluene-d8	7.55	98	350309	48.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.96%
43) trans-1,3-Dichloropropene-	7.83	79	59273	49.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.90%
47) 2-Hexanone-d5	8.30	63	116590	102.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.65%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	183850	49.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.68%
64) 1,2-Dichlorobenzene-d4	11.85	152	138221	48.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	69761	23.334	ug/L 99
3) Chloromethane	1.32	50	77876	25.860	ug/L 98
5) Vinyl chloride	1.39	62	169007	52.352	ug/L 100
6) Bromomethane	1.61	94	74458	26.141	ug/L 99
8) Chloroethane	1.68	64	65834	33.561	ug/L 96
9) Trichlorofluoromethane	1.87	101	195970	46.406	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	49882	23.300	ug/L 99
12) 1,1-Dichloroethene	2.27	96	140074	68.228	ug/L 93
13) Acetone	2.32	43	2064	1.321	ug/L 86
16) Methylene chloride	2.68	84	104301	44.478	ug/L 96
17) trans-1,2-Dichloroethene	2.96	96	46037	21.403	ug/L 99
19) 1,1-Dichloroethane	3.42	63	274921	68.094	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	102966	42.649	ug/L 91
23) Bromochloromethane	4.52	128	55452	44.021	ug/L 95
25) Chloroform	4.65	83	257199	60.536	ug/L 99
27) 1,2-Dichloroethane	5.38	62	240585	73.538	ug/L 99
30) 1,1,1-Trichloroethane	4.89	97	78314	22.108	ug/L 100

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Quant Title : VOC Analysis
QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	5.11	117	204657	66.345	ug/L	100
33) Benzene	5.37	78	439743	49.514	ug/L	100
34) Trichloroethene	6.16	95	202158	86.292	ug/L	99
35) Methylcyclohexane	6.31	83	27951	7.646	ug/L #	20
37) 1,2-Dichloropropane	6.41	63	101921	42.874	ug/L	100
38) Bromodichloromethane	6.74	83	66578	21.664	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	93008	25.067	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	173144	51.636	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	62001	27.473	ug/L	100
46) Tetrachloroethene	8.21	164	143097	74.818	ug/L	98
49) Dibromochloromethane	8.46	129	108227	42.150	ug/L	99
50) 1,2-Dibromoethane	8.57	107	78387	31.357	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	161898	39.774	ug/L	99
59) 1,2,3-Trichloropropane	11.47	75	18523	5.903	ug/L	89
61) Bromoform	9.94	173	104726	55.473	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	38178	42.579	ug/L	99

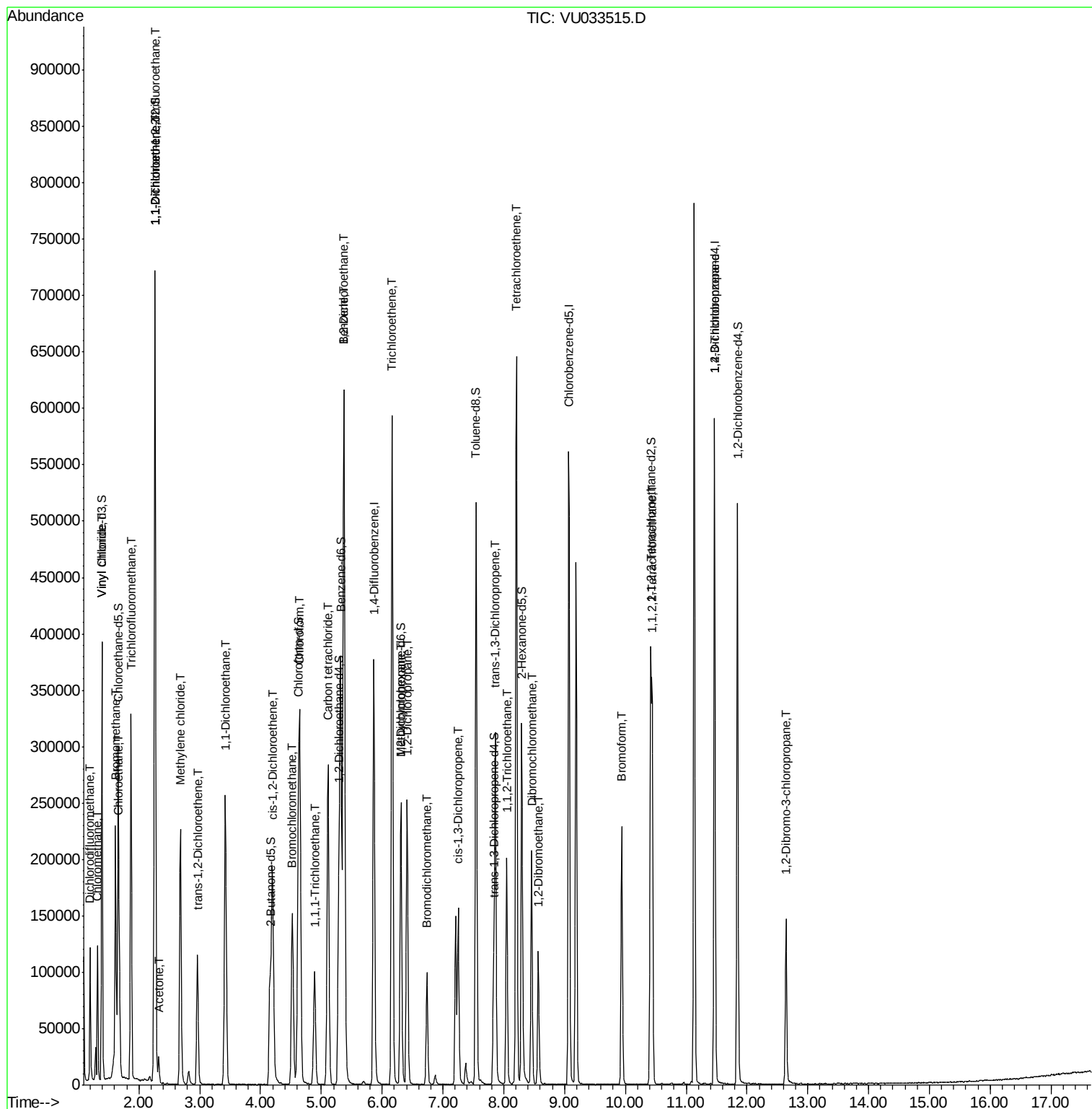
(#) = qualifier out of range (m) = manual integration (+) = signals summed

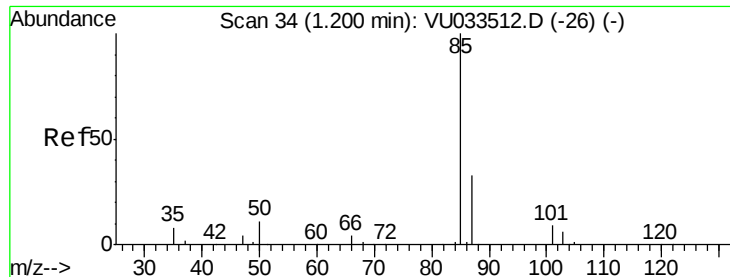
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Instrument :
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#2

Dichlorodifluoromethane

Concen: 23.334 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

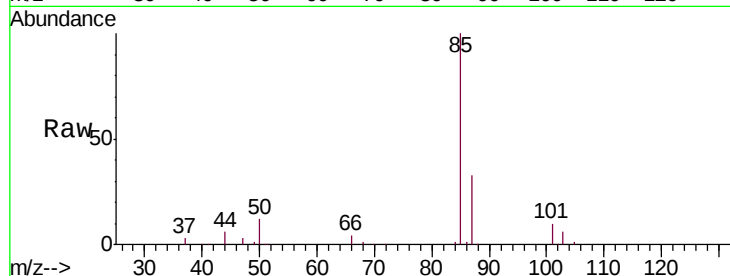
DB9A5

Tgt Ion: 85 Resp: 69761

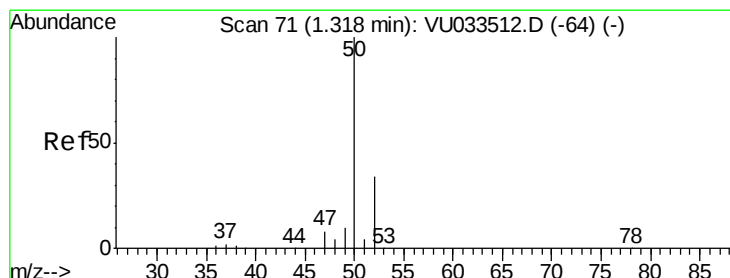
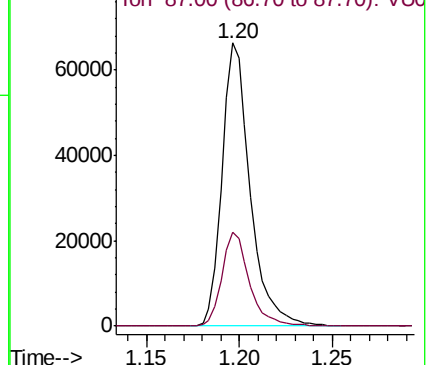
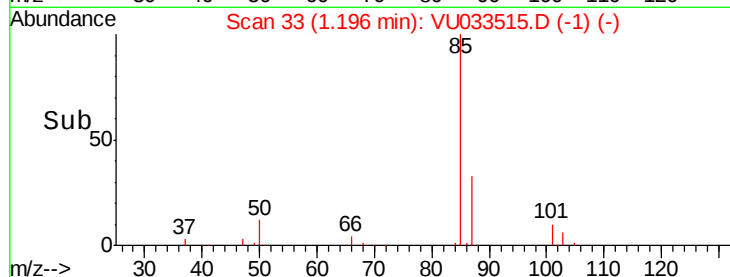
Ion Ratio Lower Upper

85 100

87 32.4 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033515.D (-1) (-)



#3

Chloromethane

Concen: 25.860 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033515.D

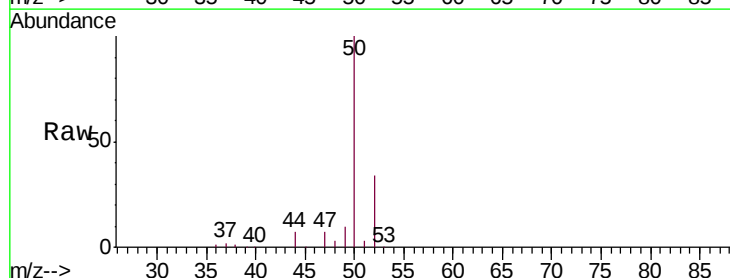
Acq: 31 Jul 2019 11:03

Tgt Ion: 50 Resp: 77876

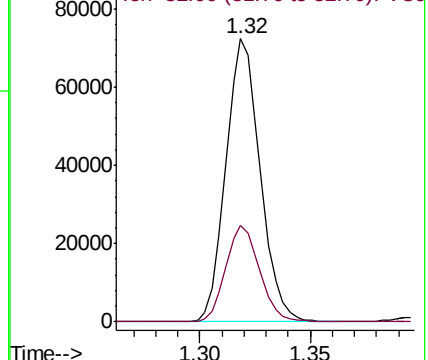
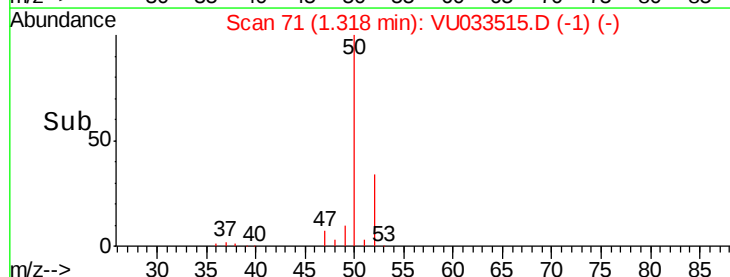
Ion Ratio Lower Upper

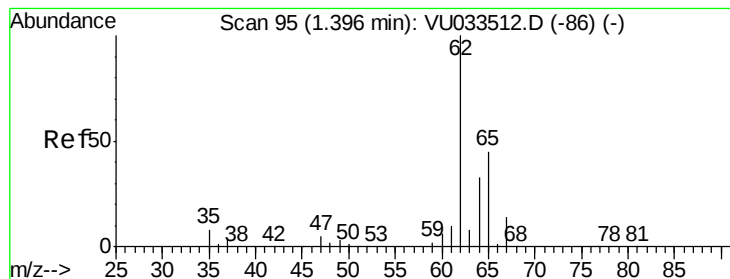
50 100

52 34.2 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU033515.D (-1) (-)





#5

Vinyl chloride

Concen: 52.352 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

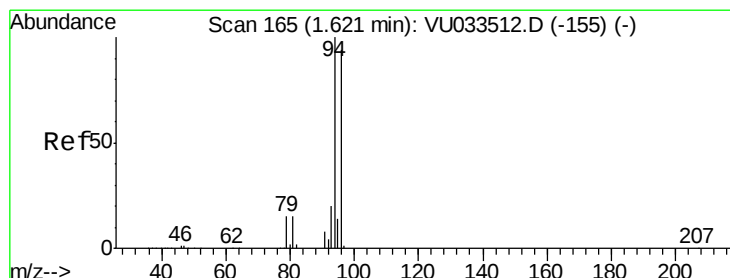
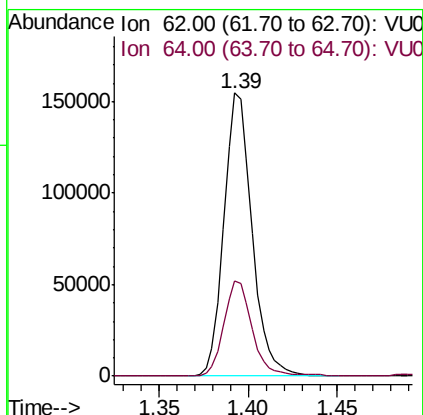
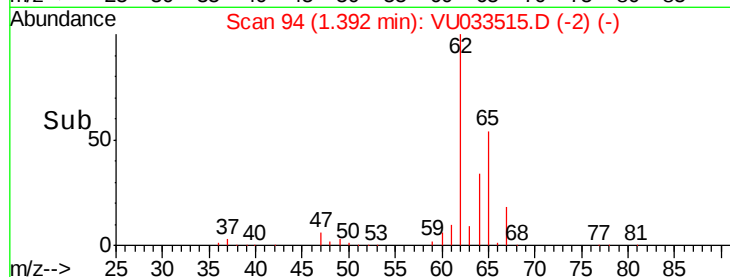
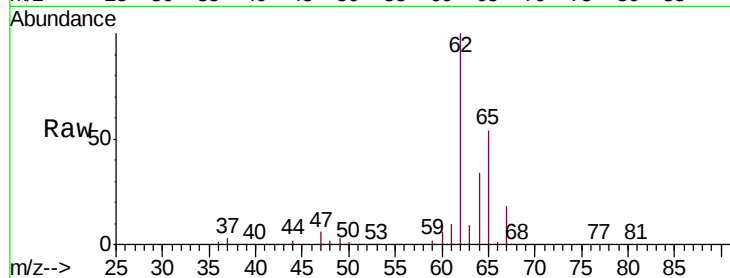
DB9A5

Tgt Ion: 62 Resp: 169007

Ion Ratio Lower Upper

62 100

64 33.5 23.4 43.4



#6

Bromomethane

Concen: 26.141 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU033515.D

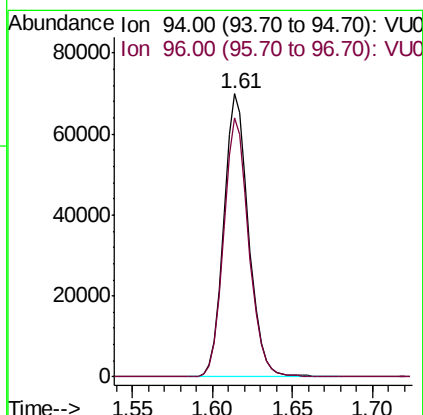
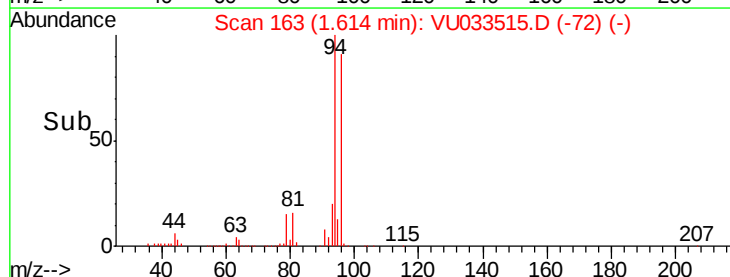
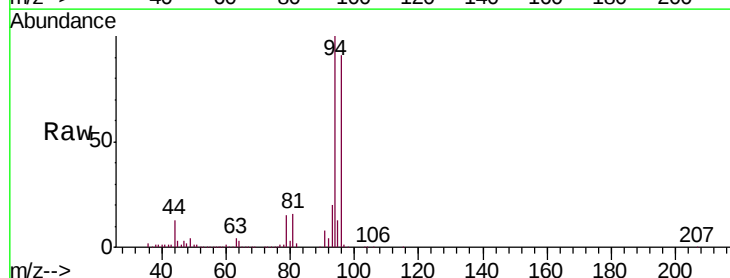
Acq: 31 Jul 2019 11:03

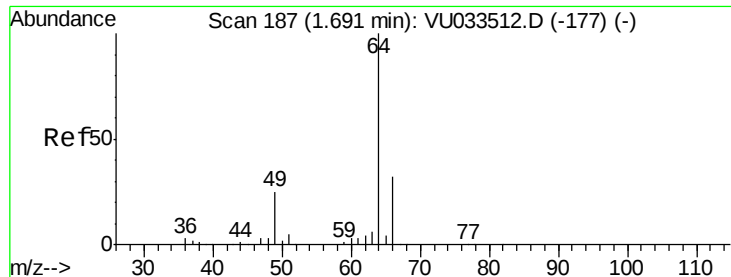
Tgt Ion: 94 Resp: 74458

Ion Ratio Lower Upper

94 100

96 91.5 64.4 119.6





#8

Chloroethane

Concen: 33.561 ug/L

RT: 1.68 min Scan# 183

Delta R.T. -0.01 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

Instrument :

MSVOA_U

ClientSampleID :

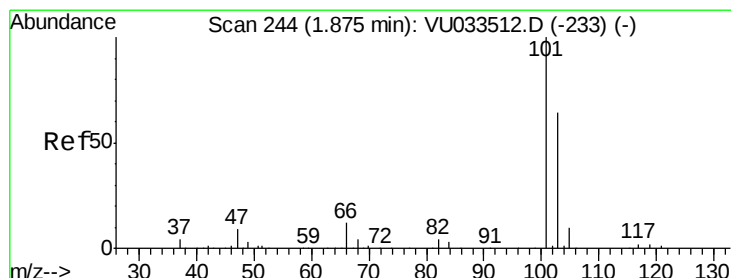
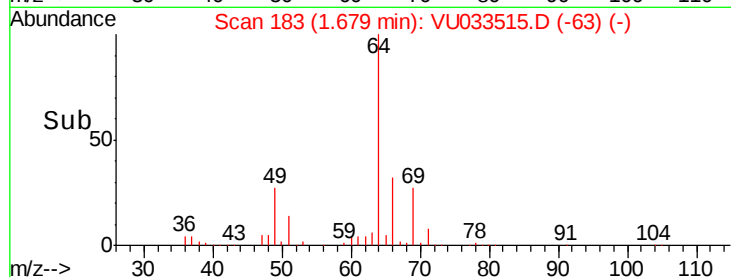
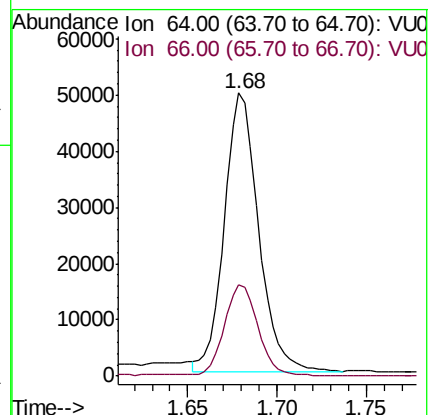
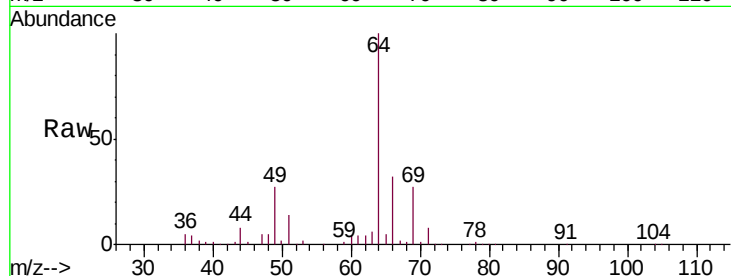
DB9A5

Tgt Ion: 64 Resp: 65834

Ion Ratio Lower Upper

64 100

66 32.1 21.1 39.3



#9

Trichlorofluoromethane

Concen: 46.406 ug/L

RT: 1.87 min Scan# 243

Delta R.T. -0.00 min

Lab File: VU033515.D

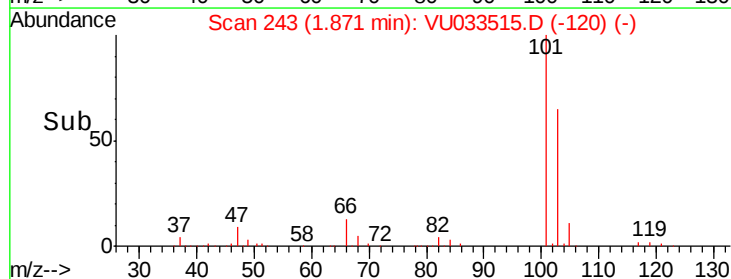
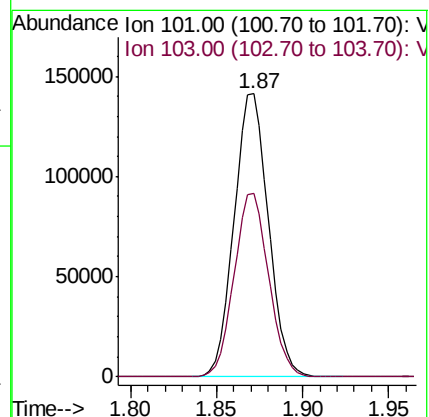
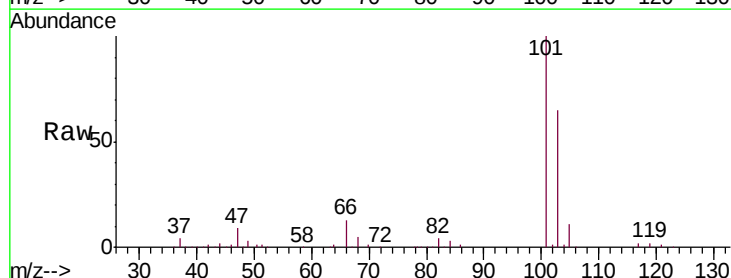
Acq: 31 Jul 2019 11:03

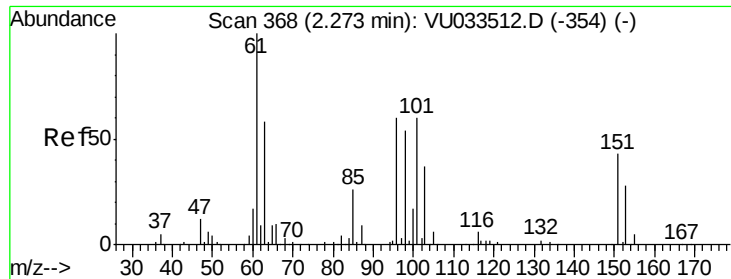
Tgt Ion: 101 Resp: 195970

Ion Ratio Lower Upper

101 100

103 65.1 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 23.300 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

DB9A5

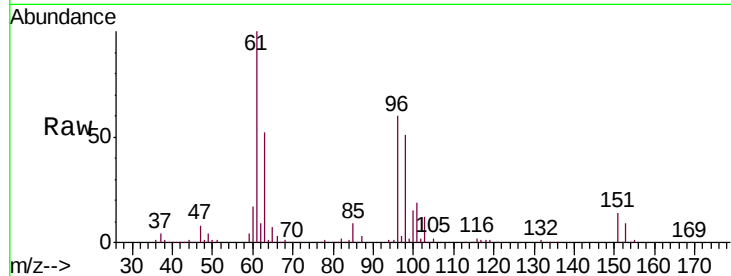
Tgt Ion: 101 Resp: 49882

Ion Ratio Lower Upper

101 100

85 44.0 35.8 53.8

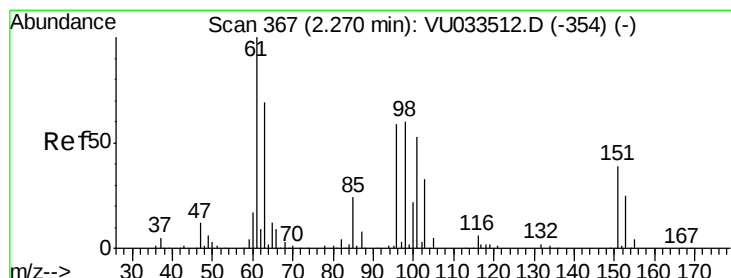
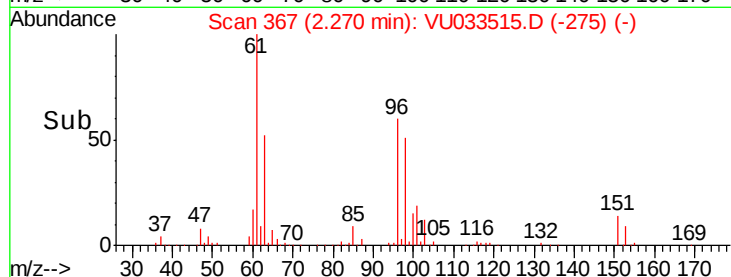
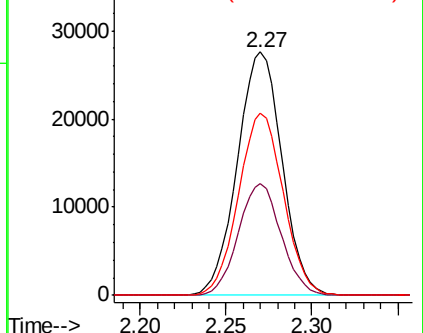
151 75.0 60.1 90.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 68.228 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

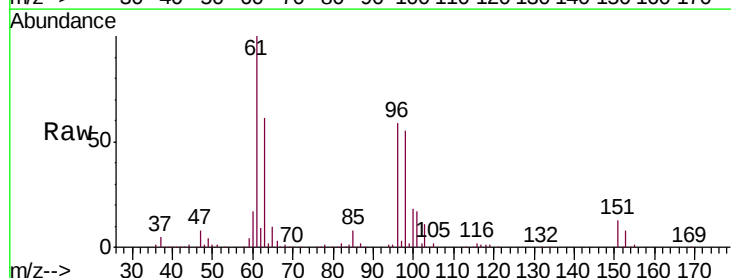
Tgt Ion: 96 Resp: 140074

Ion Ratio Lower Upper

96 100

61 170.4 119.3 221.5

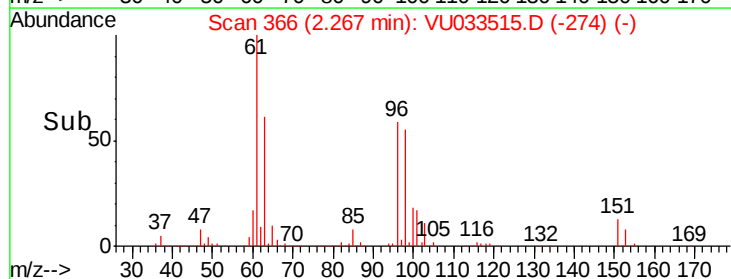
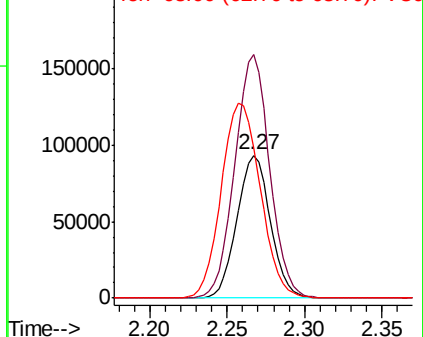
63 104.7 86.6 160.8

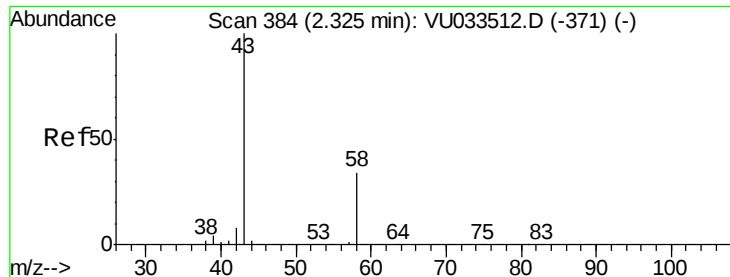


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.321 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.01 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

Instrument :

MSVOA_U

ClientSampled :

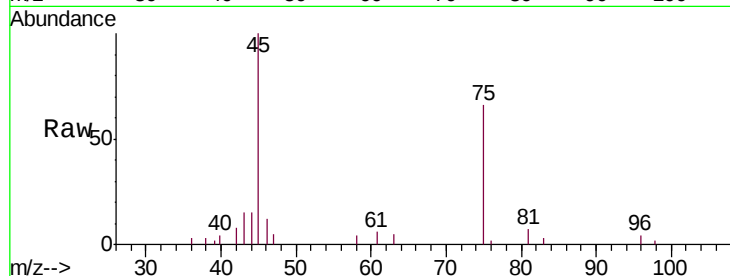
DB9A5

Tgt Ion: 43 Resp: 2064

Ion Ratio Lower Upper

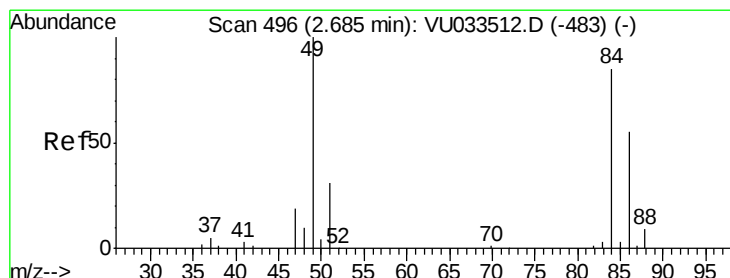
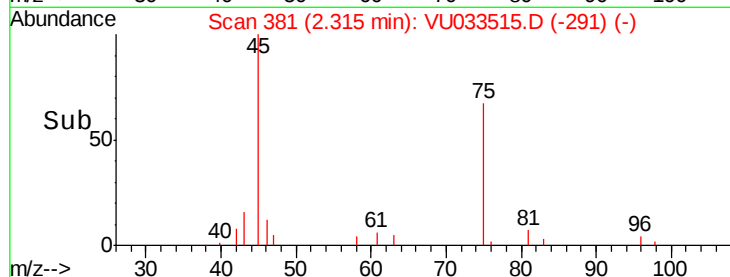
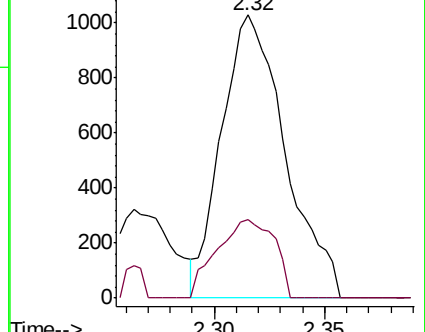
43 100

58 25.0 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU033515.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VU033515.D (-371) (-)



#16

Methylene chloride

Concen: 44.478 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

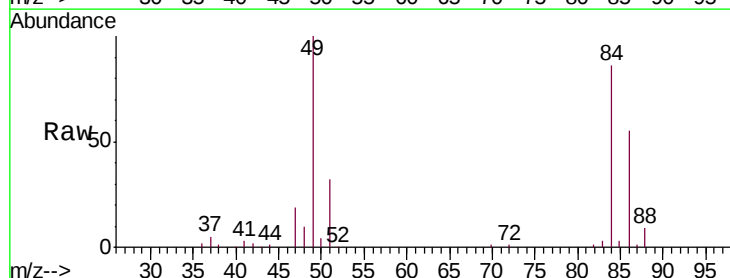
Tgt Ion: 84 Resp: 104301

Ion Ratio Lower Upper

84 100

86 63.8 45.7 84.9

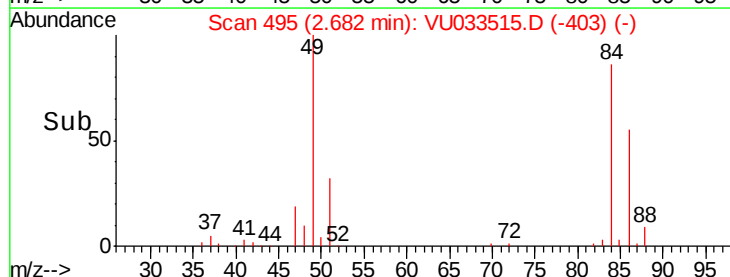
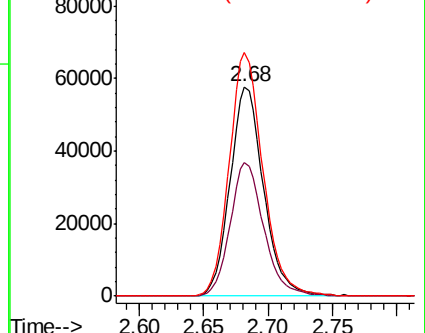
49 116.3 85.0 158.0

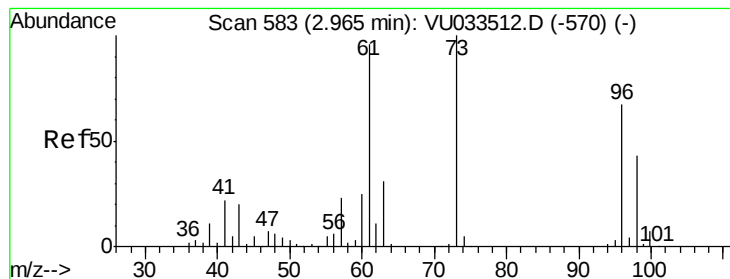


Abundance Ion 84.00 (83.70 to 84.70): VU033515.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU033515.D (-403) (-)

Ion 49.00 (48.70 to 49.70): VU033515.D (-403) (-)





#17

trans-1,2-Dichloroethene

Concen: 21.403 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

Instrument :

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ClientSampleId :

DB9A5

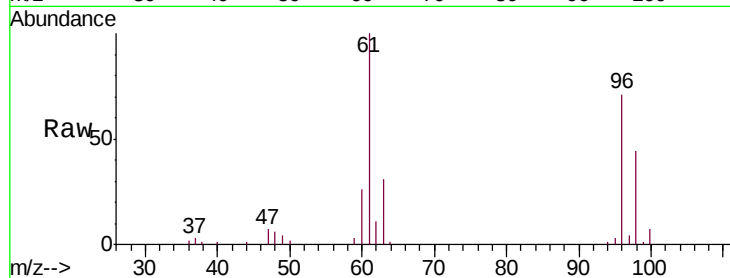
Tgt Ion: 96 Resp: 46037

Ion Ratio Lower Upper

96 100

61 141.5 98.3 182.5

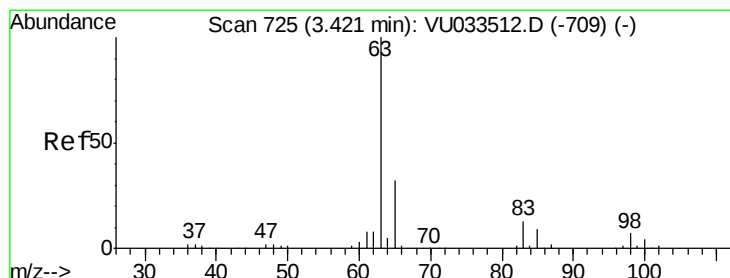
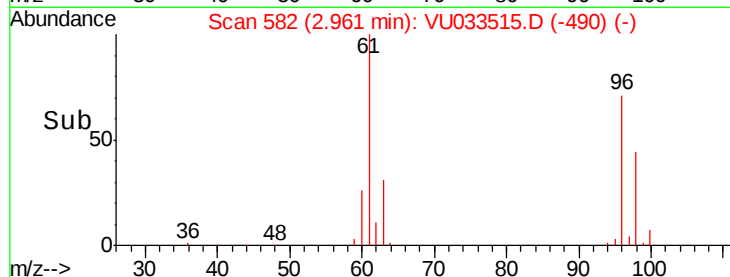
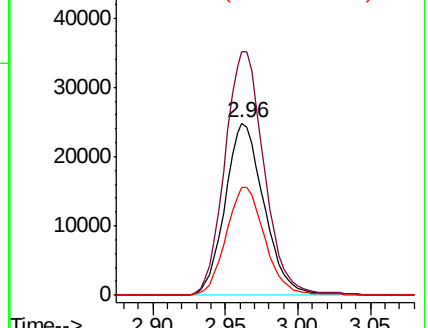
98 62.9 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU033515.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033515.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033515.D (-490) (-)



#19

1,1-Dichloroethane

Concen: 68.094 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

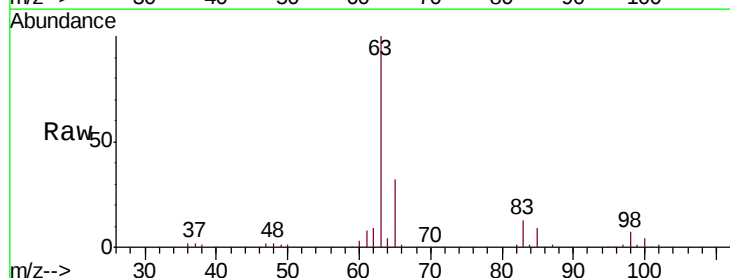
Tgt Ion: 63 Resp: 274921

Ion Ratio Lower Upper

63 100

65 31.9 22.0 40.8

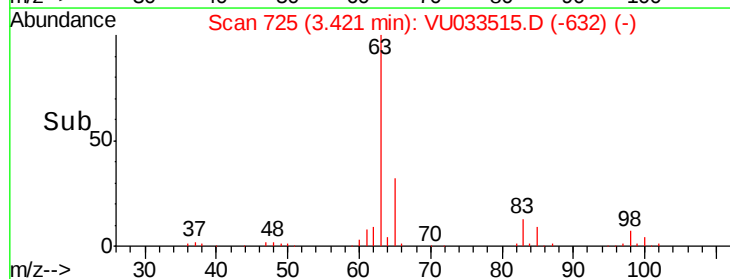
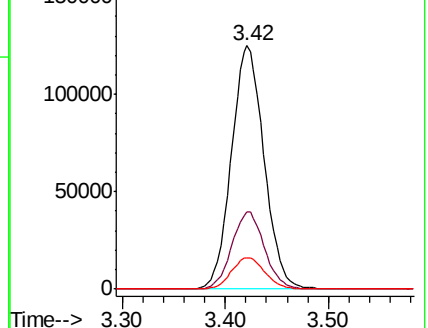
83 13.0 9.5 17.7

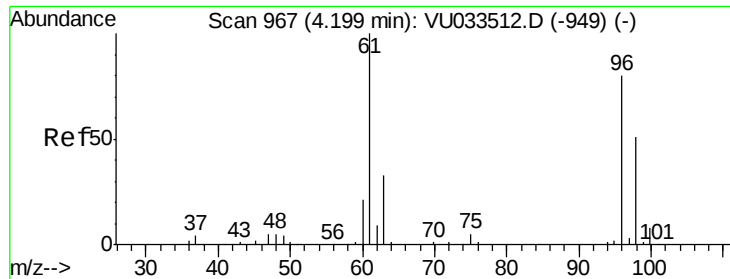


Abundance Ion 63.00 (62.70 to 63.70): VU033515.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033515.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033515.D (-632) (-)

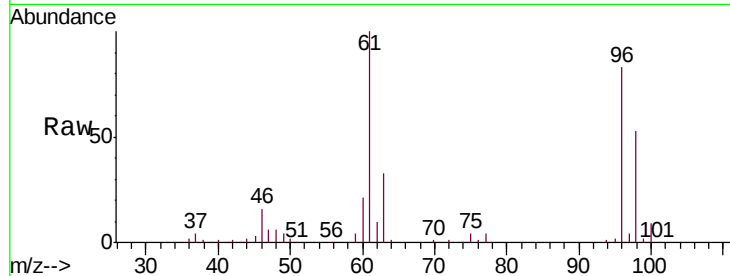




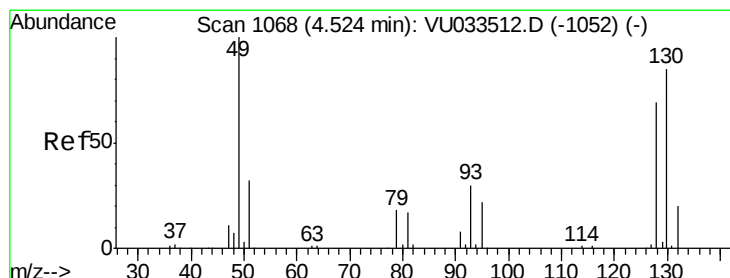
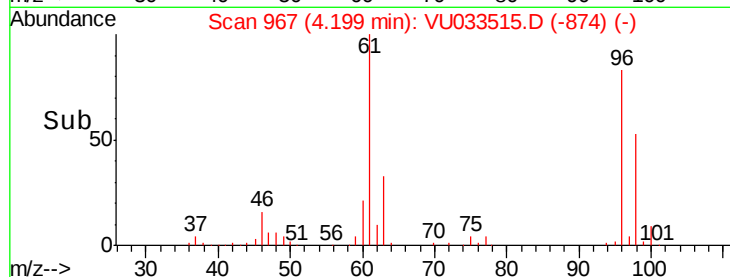
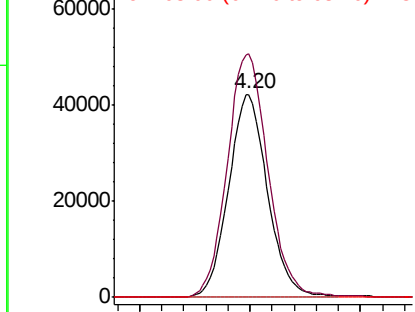
#20
 cis-1,2-Dichloroethene
 Concen: 42.649 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033515.D
 Acq: 31 Jul 2019 11:03

Instrument :
 MSVOA_U
 ClientSampleId :
 DB9A5

Tgt Ion: 96 Resp: 102966
 Ion Ratio Lower Upper
 96 100
 61 119.8 91.3 169.6
 68 0.0 0.0 0.0

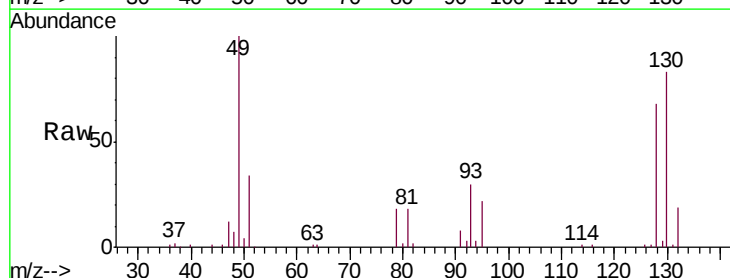


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

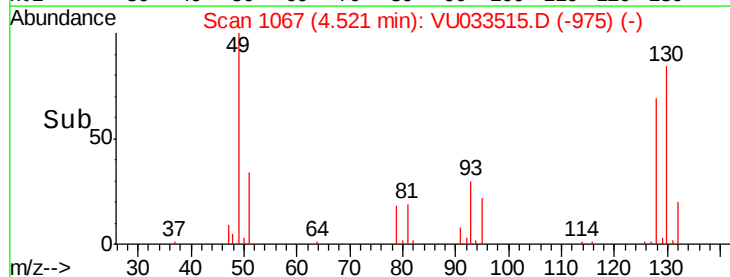
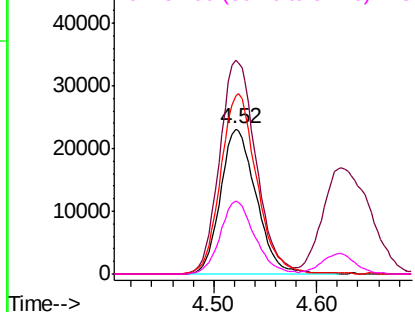


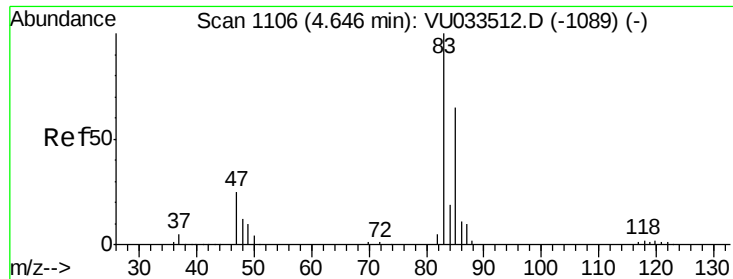
#23
 Bromochloromethane
 Concen: 44.021 ug/L
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU033515.D
 Acq: 31 Jul 2019 11:03

Tgt Ion: 128 Resp: 55452
 Ion Ratio Lower Upper
 128 100
 49 147.0 108.4 201.2
 130 122.4 89.7 166.5
 51 50.0 38.9 58.3



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VU0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VU0

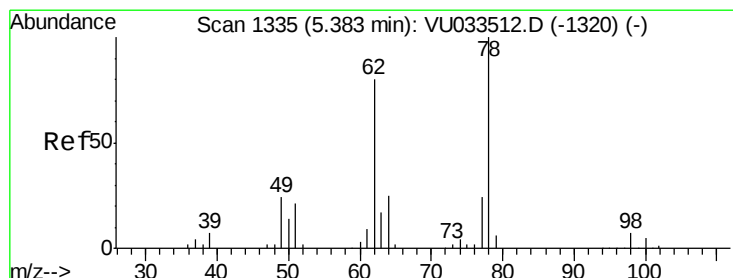
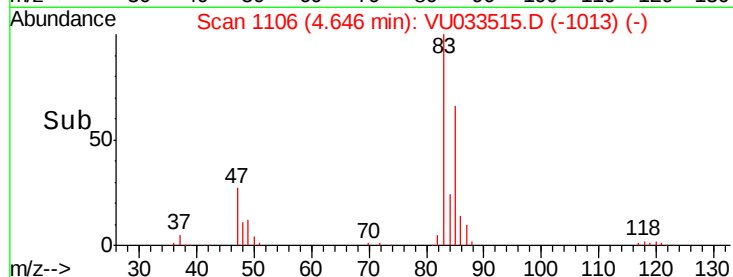
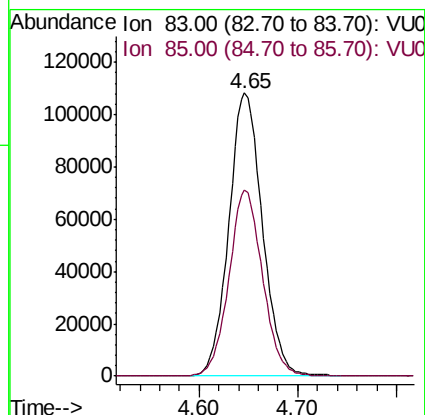
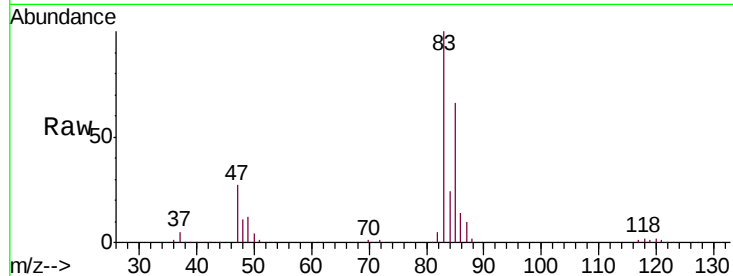




#25
Chloroform
Concen: 60.536 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033515.D
Acq: 31 Jul 2019 11:03

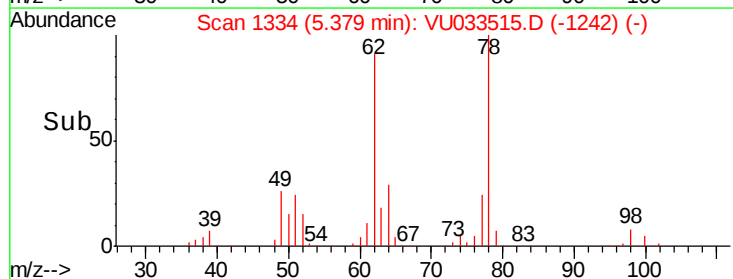
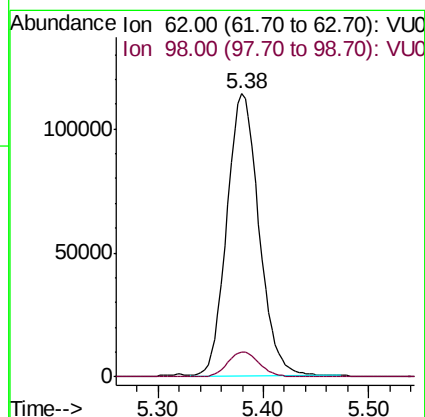
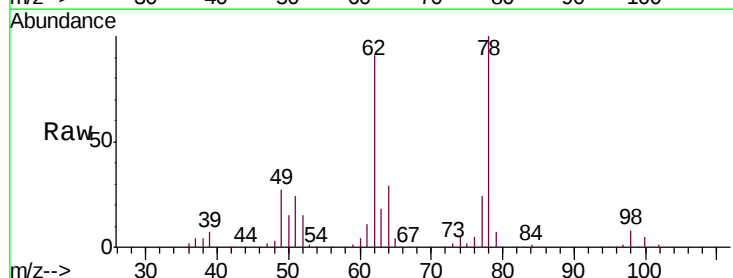
Instrument :
MSVOA_U
ClientSampleId :
DB9A5

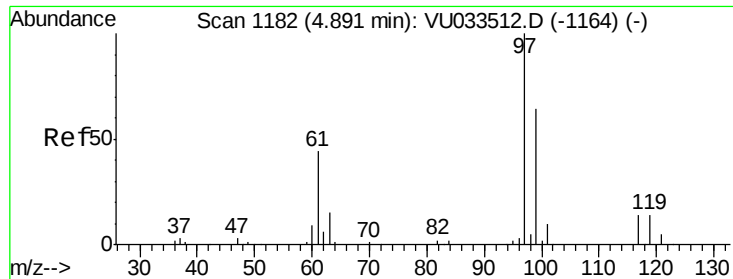
Tgt Ion: 83 Resp: 257199
Ion Ratio Lower Upper
83 100
85 65.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 73.538 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033515.D
Acq: 31 Jul 2019 11:03

Tgt Ion: 62 Resp: 240585
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8

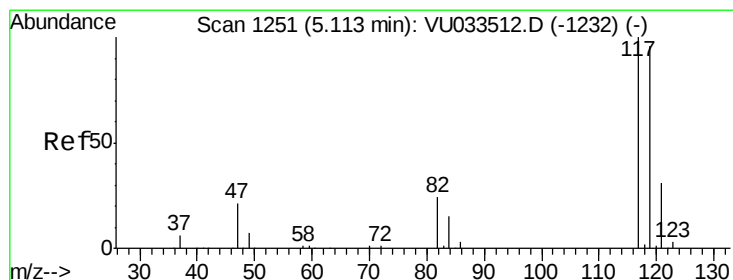
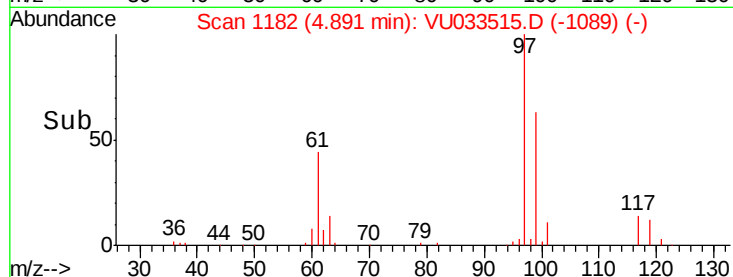
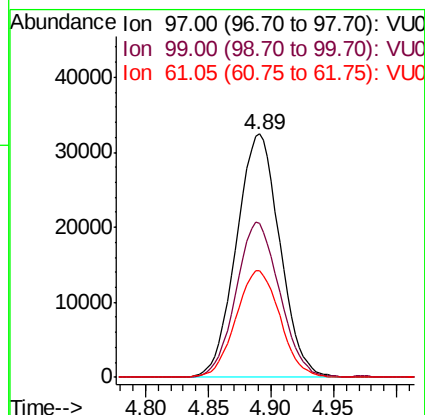
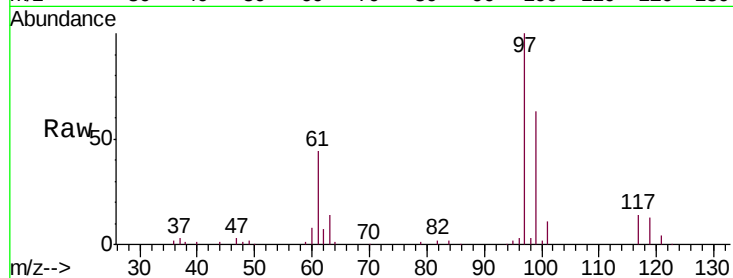




#30
 1,1,1-Trichloroethane
 Concen: 22.108 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VU033515.D
 Acq: 31 Jul 2019 11:03

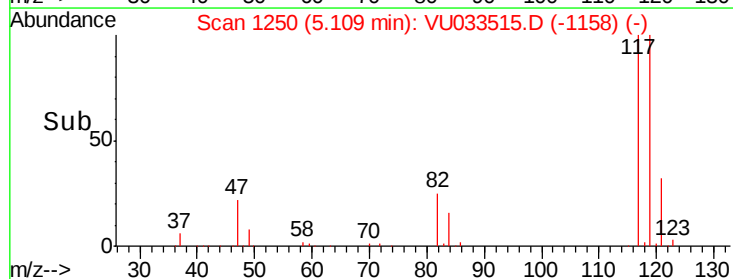
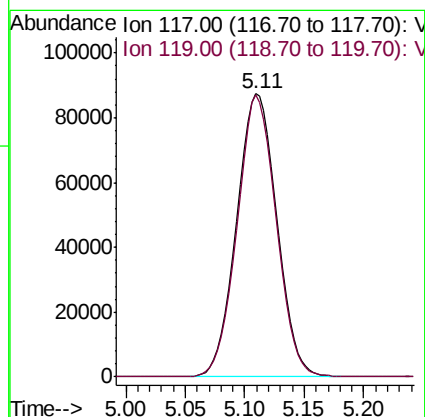
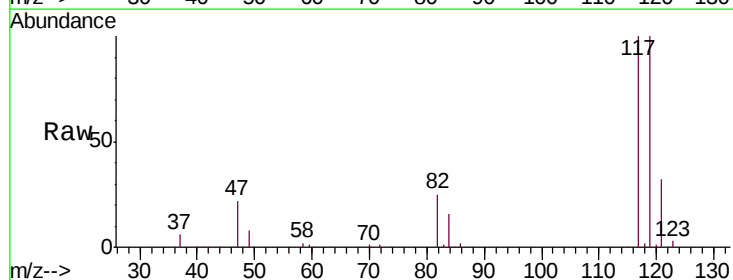
Instrument :
 MSVOA_U
 ClientSampleId :
 DB9A5

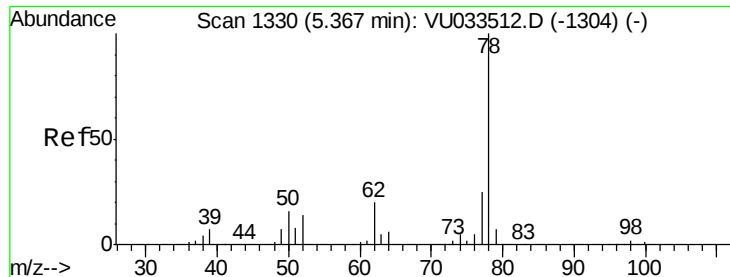
Tgt Ion: 97 Resp: 78314
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.1 76.7
 61 44.4 35.5 53.3



#31
 Carbon tetrachloride
 Concen: 66.345 ug/L
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU033515.D
 Acq: 31 Jul 2019 11:03

Tgt Ion: 117 Resp: 204657
 Ion Ratio Lower Upper
 117 100
 119 96.6 77.0 115.4





#33

Benzene

Concen: 49.514 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

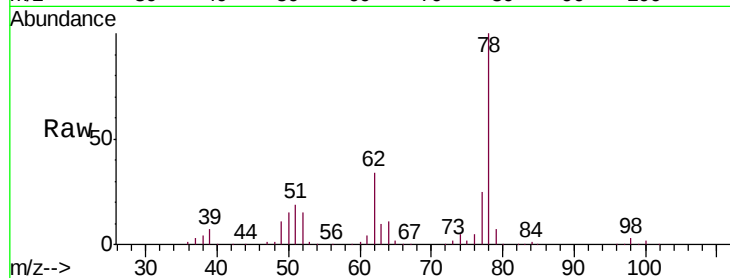
Instrument :

MSVOA_U

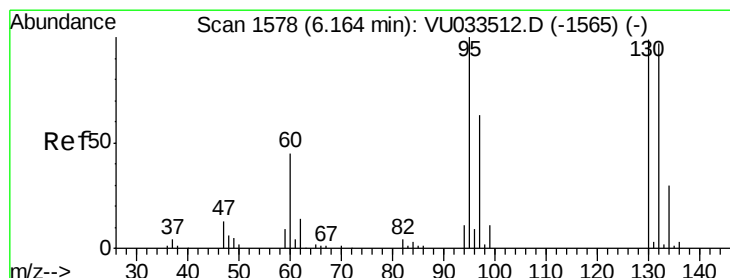
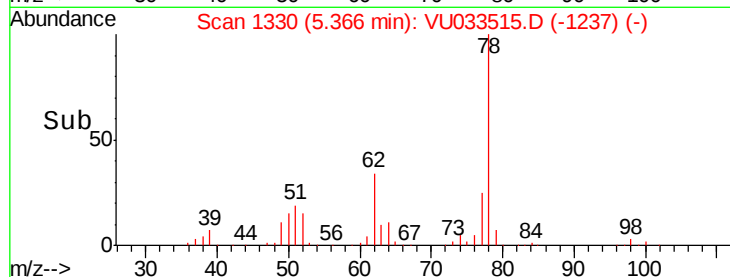
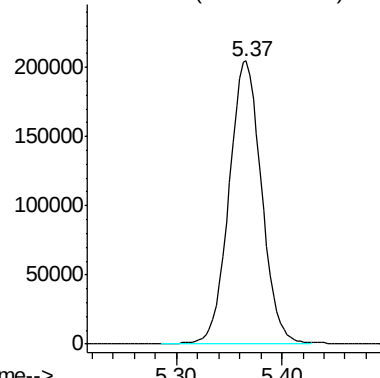
ClientSampleId :

DB9A5

Tgt Ion: 78 Resp: 439743



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 86.292 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

Tgt Ion: 95 Resp: 202158

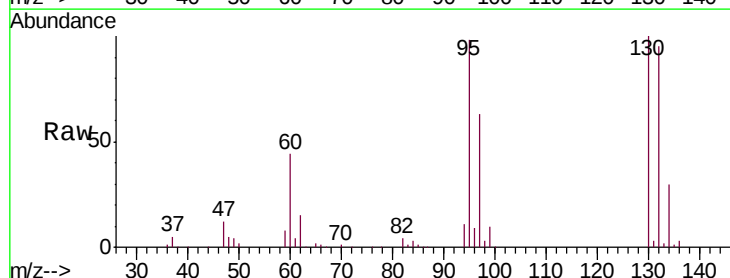
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.7	83.1
132	97.2	66.8	124.0
130	102.0	71.6	133.0

95 100

97 64.3 44.7 83.1

132 97.2 66.8 124.0

130 102.0 71.6 133.0

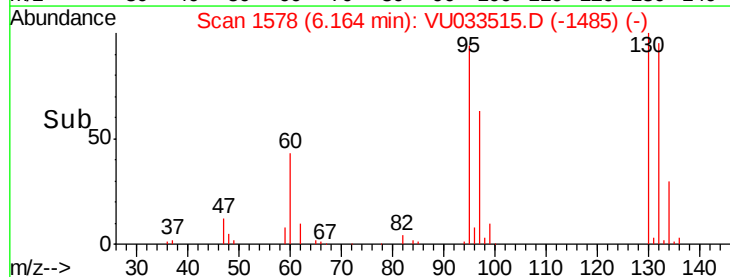
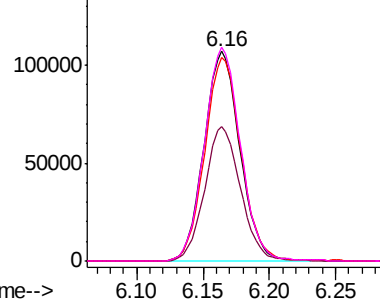


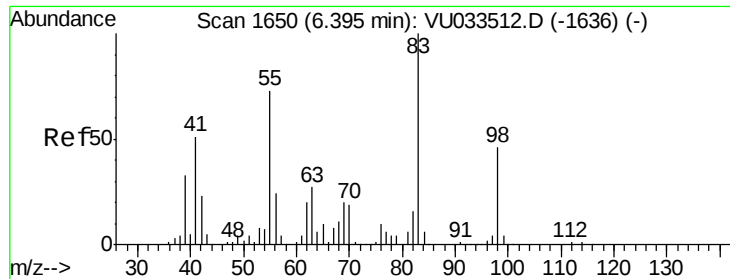
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#35

Methylcyclohexane

Concen: 7.646 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.09 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

DB9A5

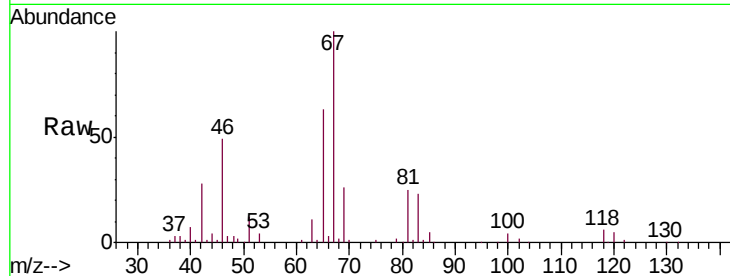
Tgt Ion: 83 Resp: 27951

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.4#

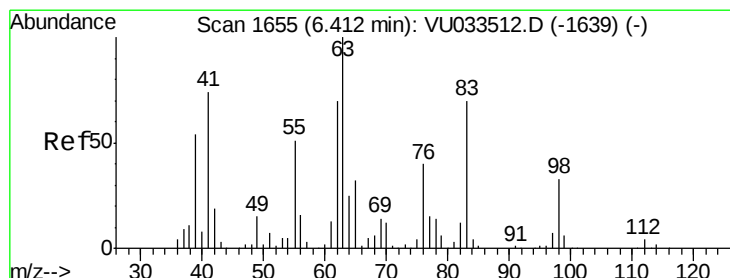
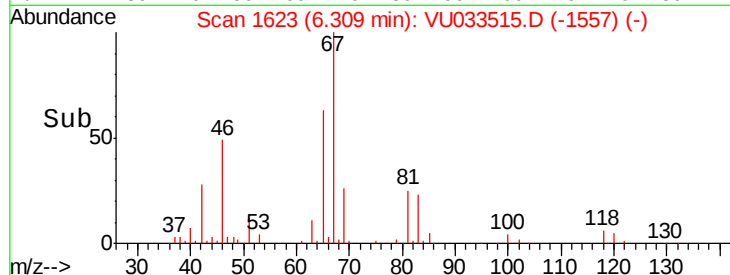
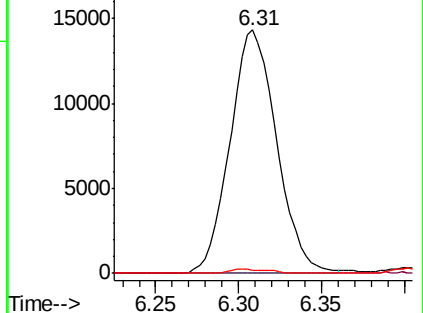
98 1.1 36.5 54.7#



Abundance Ion 83.00 (82.70 to 83.70): VU033515.D (-1557) (-)

Ion 55.00 (54.70 to 55.70): VU033515.D (-1557) (-)

Ion 98.00 (97.70 to 98.70): VU033515.D (-1557) (-)



#37

1,2-Dichloropropane

Concen: 42.874 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU033515.D

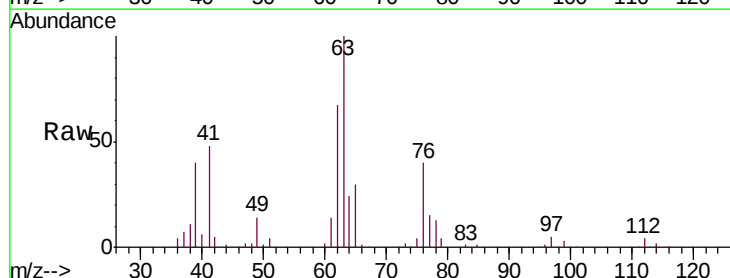
Acq: 31 Jul 2019 11:03

Tgt Ion: 63 Resp: 101921

Ion Ratio Lower Upper

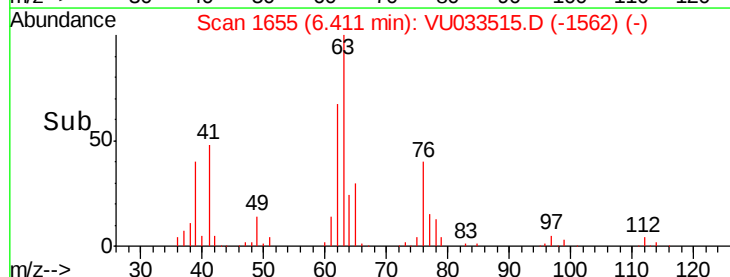
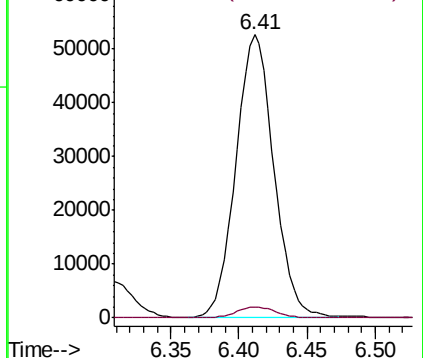
63 100

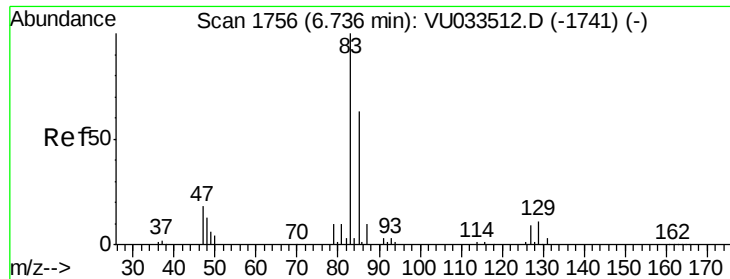
112 4.0 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU033515.D (-1562) (-)

Ion 112.00 (111.70 to 112.70): VU033515.D (-1562) (-)





#38

Bromodichloromethane

Concen: 21.664 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

DB9A5

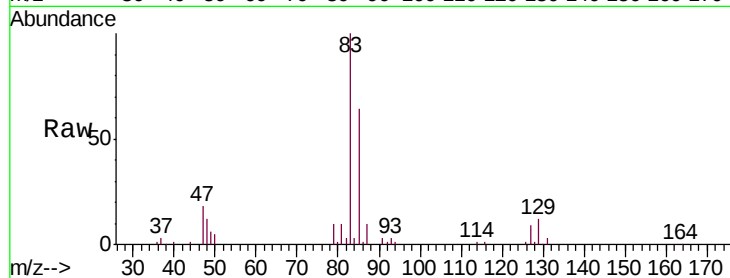
Tgt Ion: 83 Resp: 66578

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

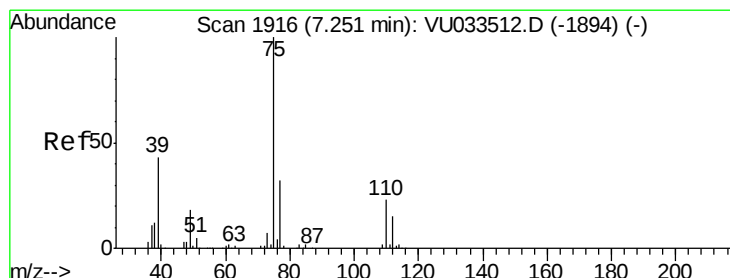
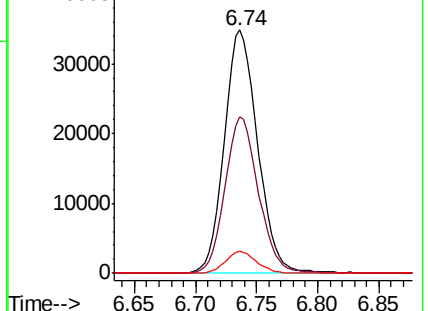
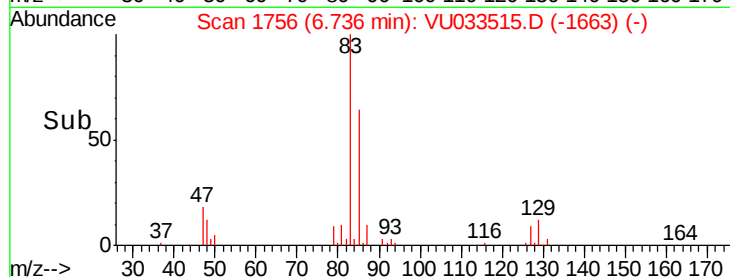
127 9.2 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VU033515.D (-1663) (-)

Ion 85.00 (84.70 to 85.70): VU033515.D (-1663) (-)

Ion 127.00 (126.70 to 127.70): VU033515.D (-1663) (-)



#39

cis-1,3-Dichloropropene

Concen: 25.067 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VU033515.D

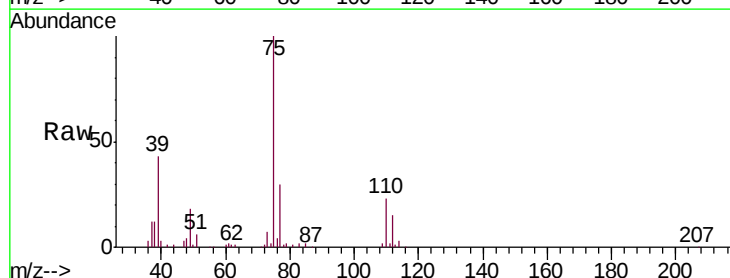
Acq: 31 Jul 2019 11:03

Tgt Ion: 75 Resp: 93008

Ion Ratio Lower Upper

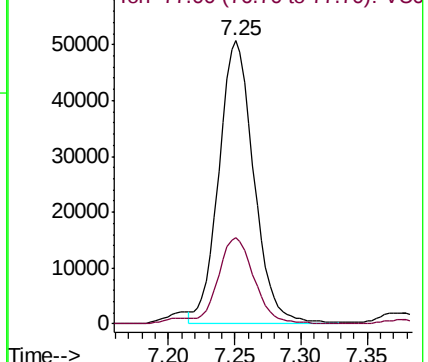
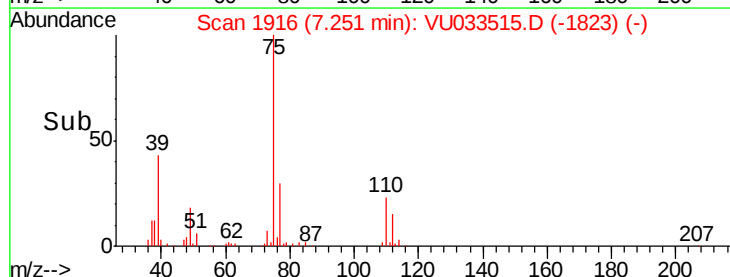
75 100

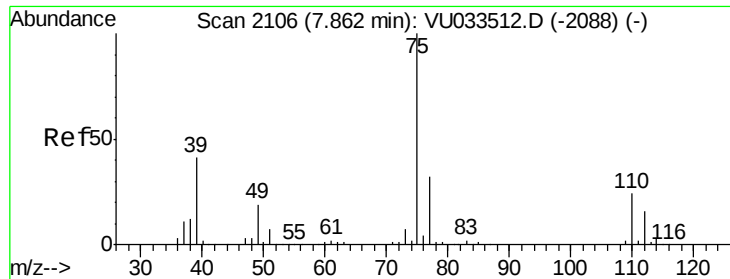
77 30.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VU033515.D (-1823) (-)

Ion 77.00 (76.70 to 77.70): VU033515.D (-1823) (-)

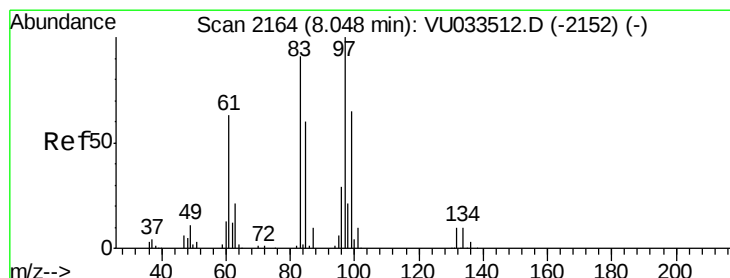
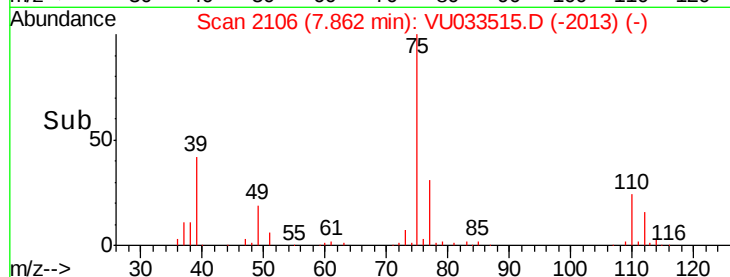
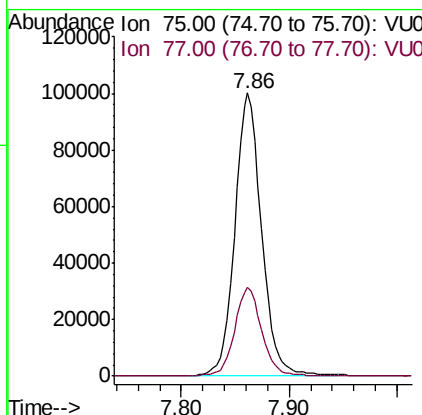
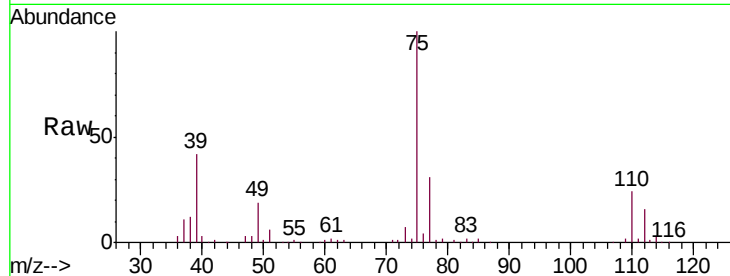




#44
 trans-1,3-Dichloropropene
 Concen: 51.636 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VU033515.D
 Acq: 31 Jul 2019 11:03

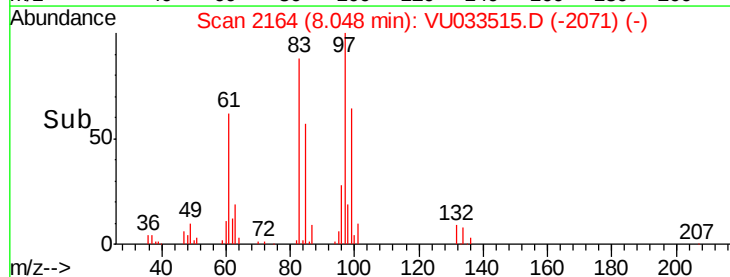
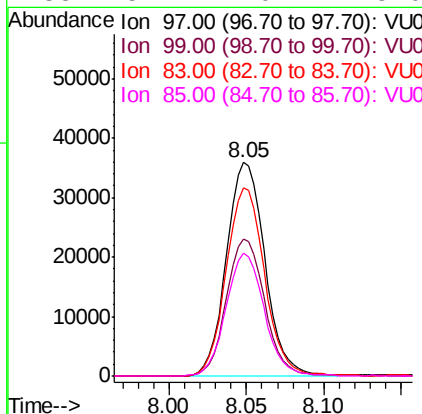
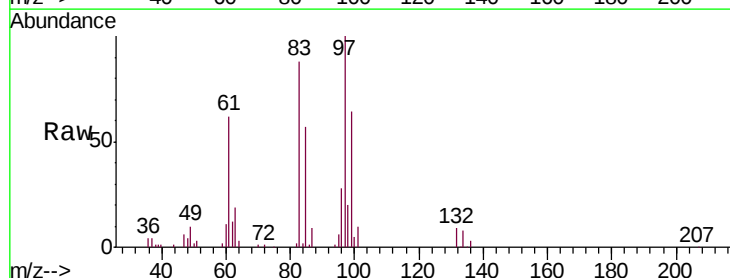
Instrument :
 MSVOA_U
 ClientSampleId :
 DB9A5

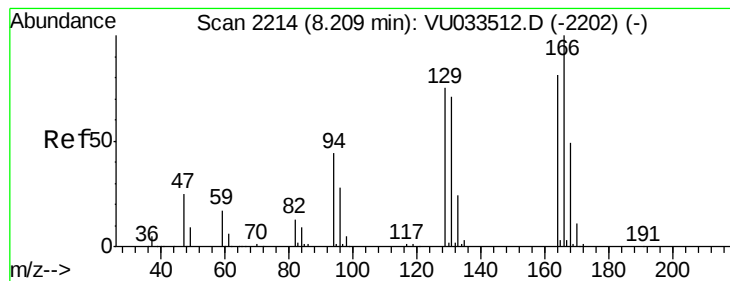
Tgt Ion: 75 Resp: 173144
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.7 42.1



#45
 1,1,2-Trichloroethane
 Concen: 27.473 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033515.D
 Acq: 31 Jul 2019 11:03

Tgt Ion: 97 Resp: 62001
 Ion Ratio Lower Upper
 97 100
 99 64.3 44.4 82.4
 83 87.9 61.5 114.1
 85 57.4 40.4 75.0





#46

Tetrachloroethene

Concen: 74.818 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

DB9A5

Tgt Ion:164 Resp: 143097

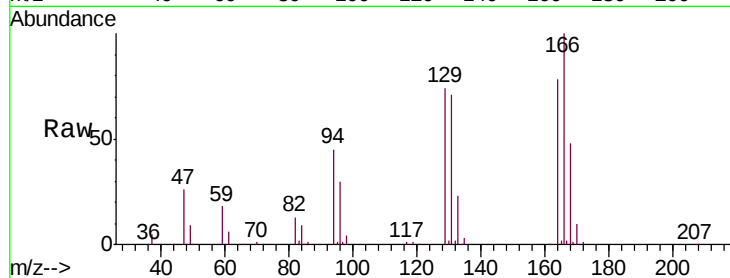
Ion Ratio Lower Upper

164 100

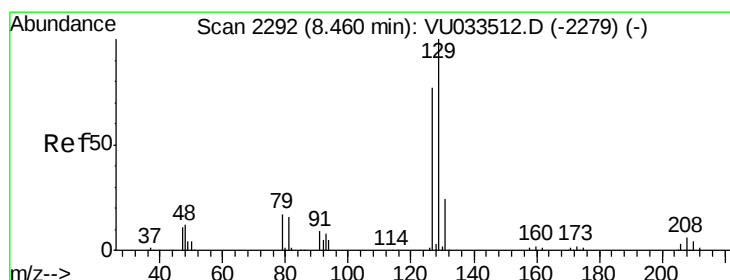
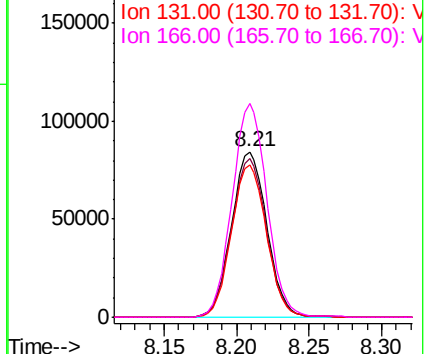
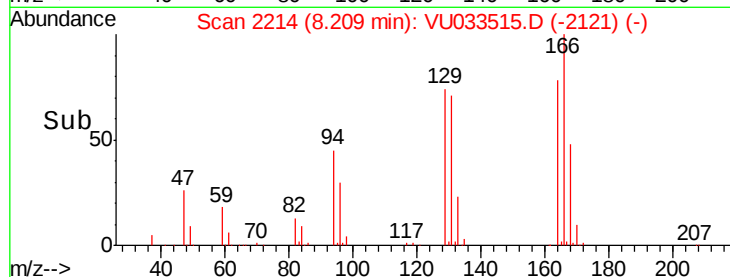
129 95.8 65.5 121.7

131 92.0 63.3 117.7

166 128.9 88.2 163.8



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 42.150 ug/L

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033515.D

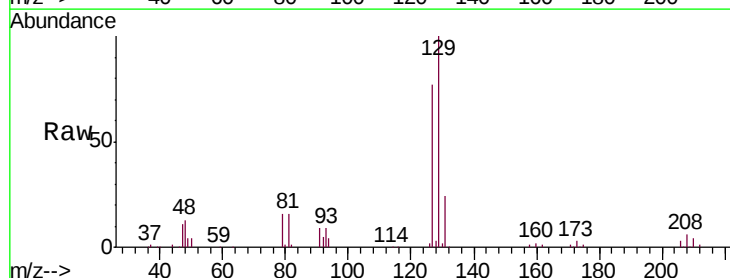
Acq: 31 Jul 2019 11:03

Tgt Ion:129 Resp: 108227

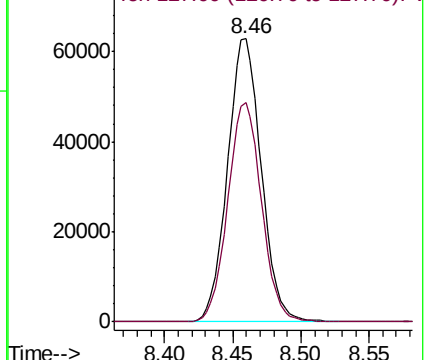
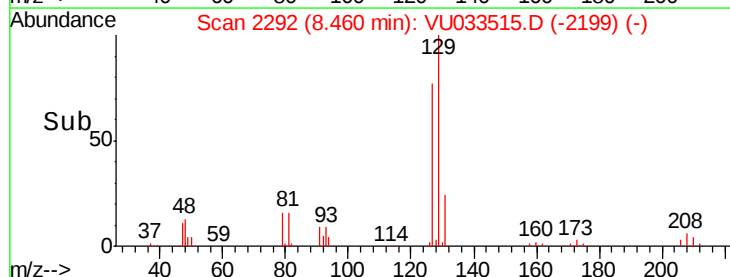
Ion Ratio Lower Upper

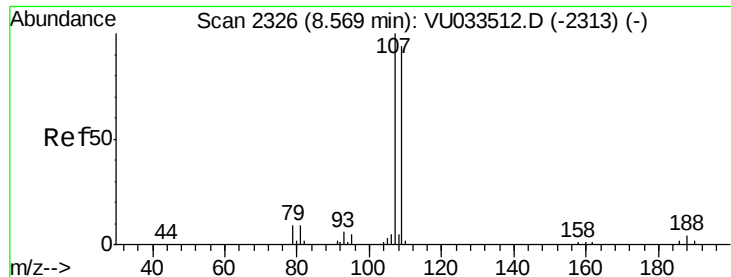
129 100

127 77.5 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

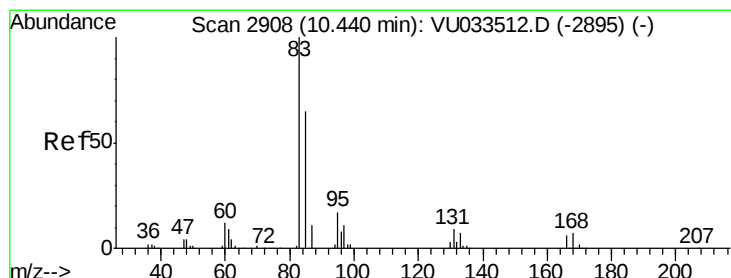
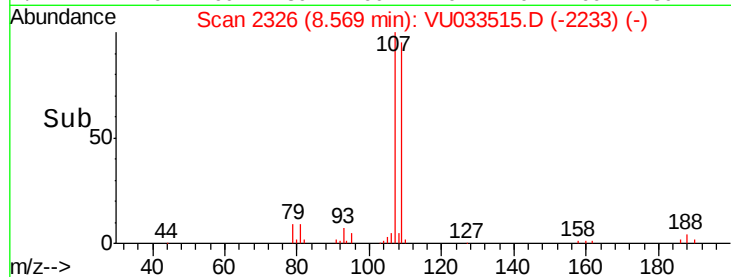
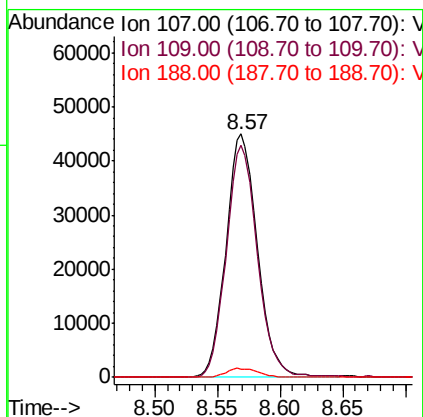
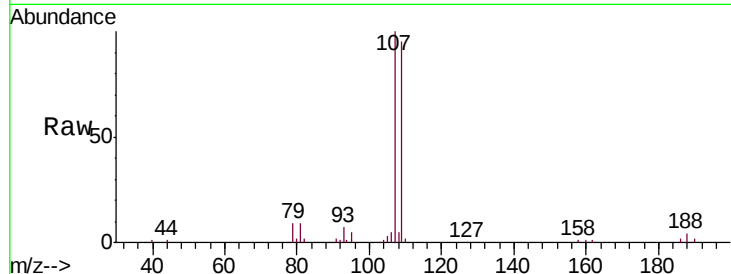




#50
 1,2-Dibromoethane
 Concen: 31.357 ug/L
 RT: 8.57 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU033515.D
 Acq: 31 Jul 2019 11:03

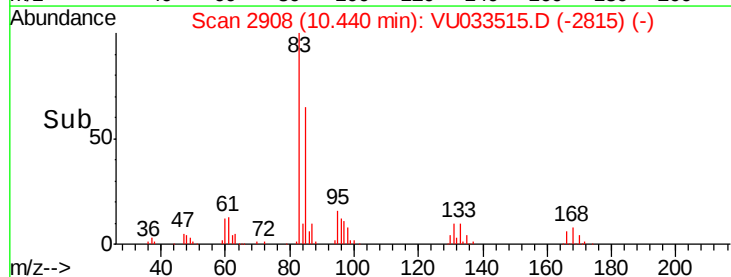
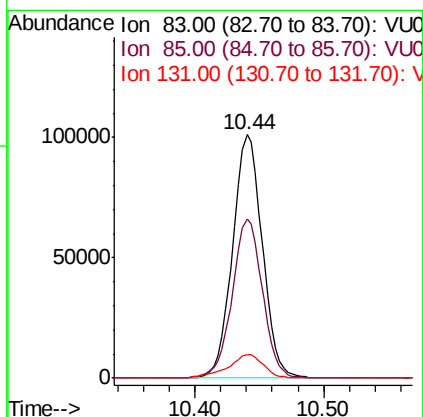
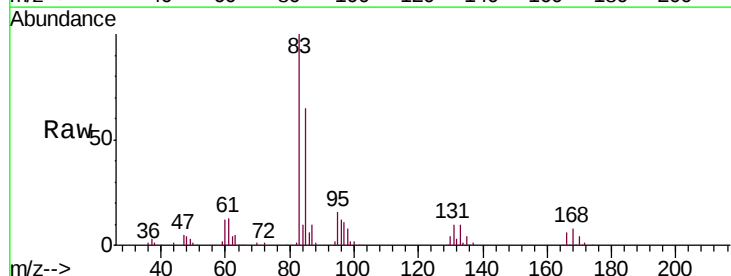
Instrument :
 MSVOA_U
 ClientSampleId :
 DB9A5

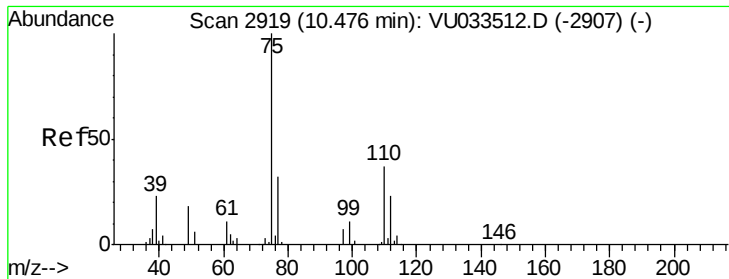
Tgt Ion: 107 Resp: 78387
 Ion Ratio Lower Upper
 107 100
 109 95.3 66.8 124.0
 188 3.5 3.0 4.4



#58
 1,1,2,2-Tetrachloroethane
 Concen: 39.774 ug/L
 RT: 10.44 min Scan# 2908
 Delta R.T. -0.00 min
 Lab File: VU033515.D
 Acq: 31 Jul 2019 11:03

Tgt Ion: 83 Resp: 161898
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.4 84.4
 131 9.5 7.9 11.9





#59

1,2,3-Trichloropropane

Concen: 5.903 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

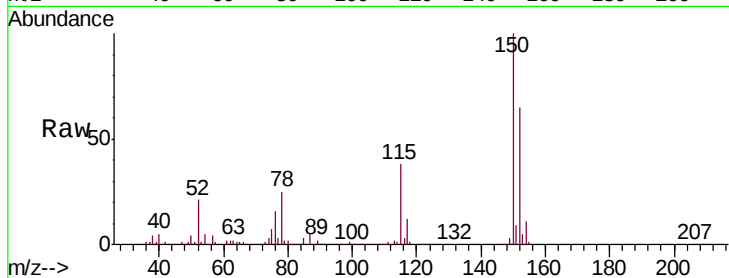
DB9A5

Tgt Ion: 75 Resp: 18523

Ion Ratio Lower Upper

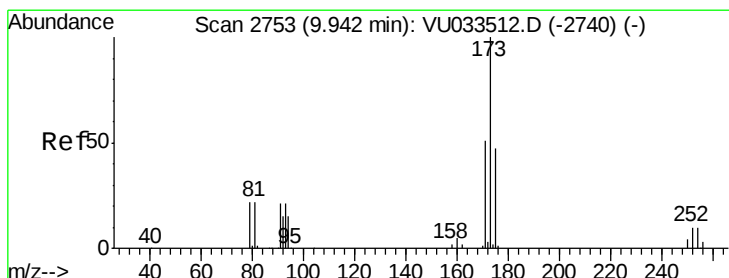
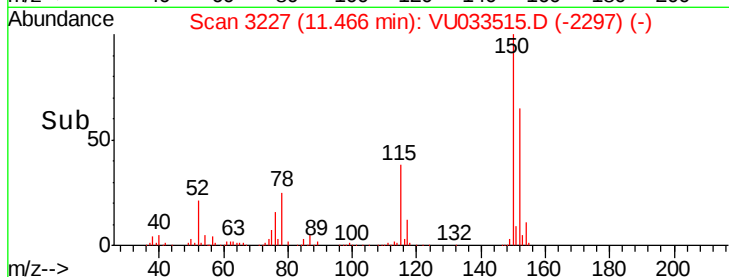
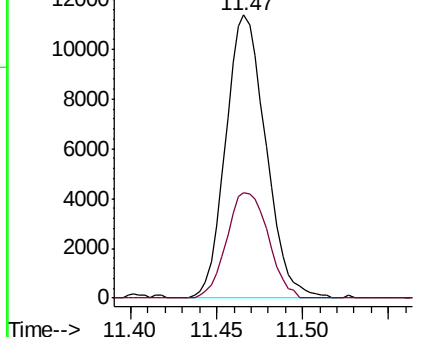
75 100

77 38.5 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU033515.D (-2297) (-)

Ion 77.00 (76.70 to 77.70): VU033515.D (-2297) (-)



#61

Bromoform

Concen: 55.473 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

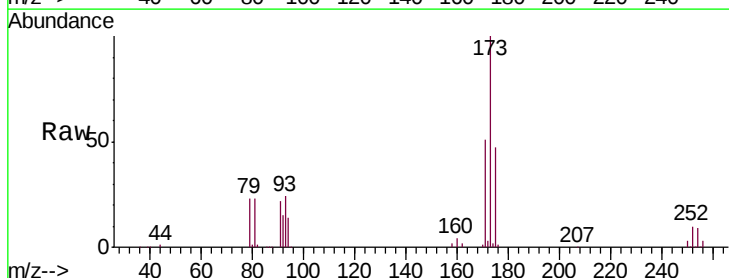
Tgt Ion: 173 Resp: 104726

Ion Ratio Lower Upper

173 100

175 46.7 38.7 58.1

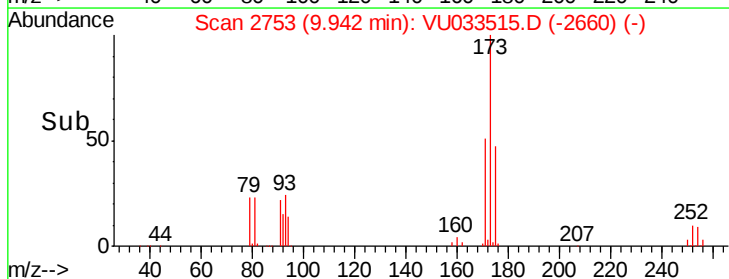
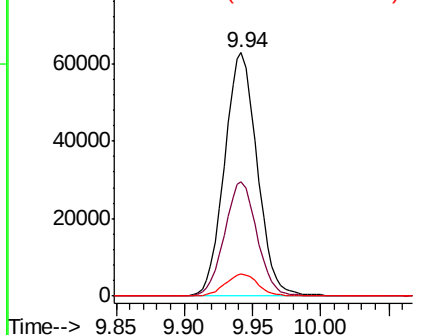
254 9.1 7.5 11.3

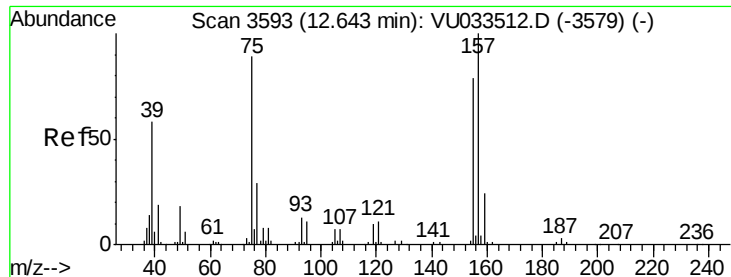


Abundance Ion 173.00 (172.70 to 173.70): VU033515.D (-2660) (-)

Ion 175.00 (174.70 to 175.70): VU033515.D (-2660) (-)

Ion 254.00 (253.70 to 254.70): VU033515.D (-2660) (-)





#66

1,2-Dibromo-3-chloropropane

Concen: 42.579 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. -0.00 min

Lab File: VU033515.D

Acq: 31 Jul 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

DB9A5

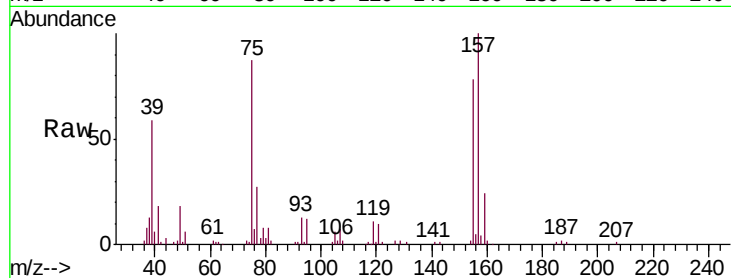
Tgt Ion: 75 Resp: 38178

Ion Ratio Lower Upper

75 100

155 89.1 69.4 104.0

157 115.0 91.8 137.8



Abundance Ion 75.00 (74.70 to 75.70): VU033515.D (-3469) (-)

