

Data File : VU030536.D
Acq On : 29 Mar 2019 11:13
Operator : JC/SP
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV06

Quant Time: Mar 30 01:11:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Mar 30 00:57:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	224343	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	223587	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	105313	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	85988	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.68	69	69932	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.27	63	174664	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.60%
20) 2-Butanone-d5	4.22	46	225475	51.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.08%
24) Chloroform-d	4.65	84	150014	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.31	65	74639	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.34	84	291638	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.33	67	94836	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.56	98	259003	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.85	79	36096	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.31	63	162084	50.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	69408	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	85694	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	120384	4.817 ug/L	100
3) Chloromethane	1.32	50	137791	4.703 ug/L	99
5) Vinyl chloride	1.40	62	129962	4.841 ug/L	97
6) Bromomethane	1.63	94	64351	4.900 ug/L	98
8) Chloroethane	1.70	64	72876	4.772 ug/L	100
9) Trichlorofluoromethane	1.88	101	149263	4.906 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	82862	4.897 ug/L	99
12) 1,1-Dichloroethene	2.28	96	78429	4.791 ug/L	97
13) Acetone	2.36	43	167755	49.118 ug/L	100
14) Carbon disulfide	2.48	76	278052	4.844 ug/L	99
15) Methyl Acetate	2.63	43	43633	4.945 ug/L	100
16) Methylene chloride	2.70	84	90822	4.759 ug/L	100
17) Methyl tert-butyl Ether	3.00	73	213034	4.861 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	84626	4.897 ug/L	95
19) 1,1-Dichloroethane	3.44	63	174816	4.782 ug/L	99
21) 2-Butanone	4.30	43	273896	50.602 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	89369	4.849 ug/L	98

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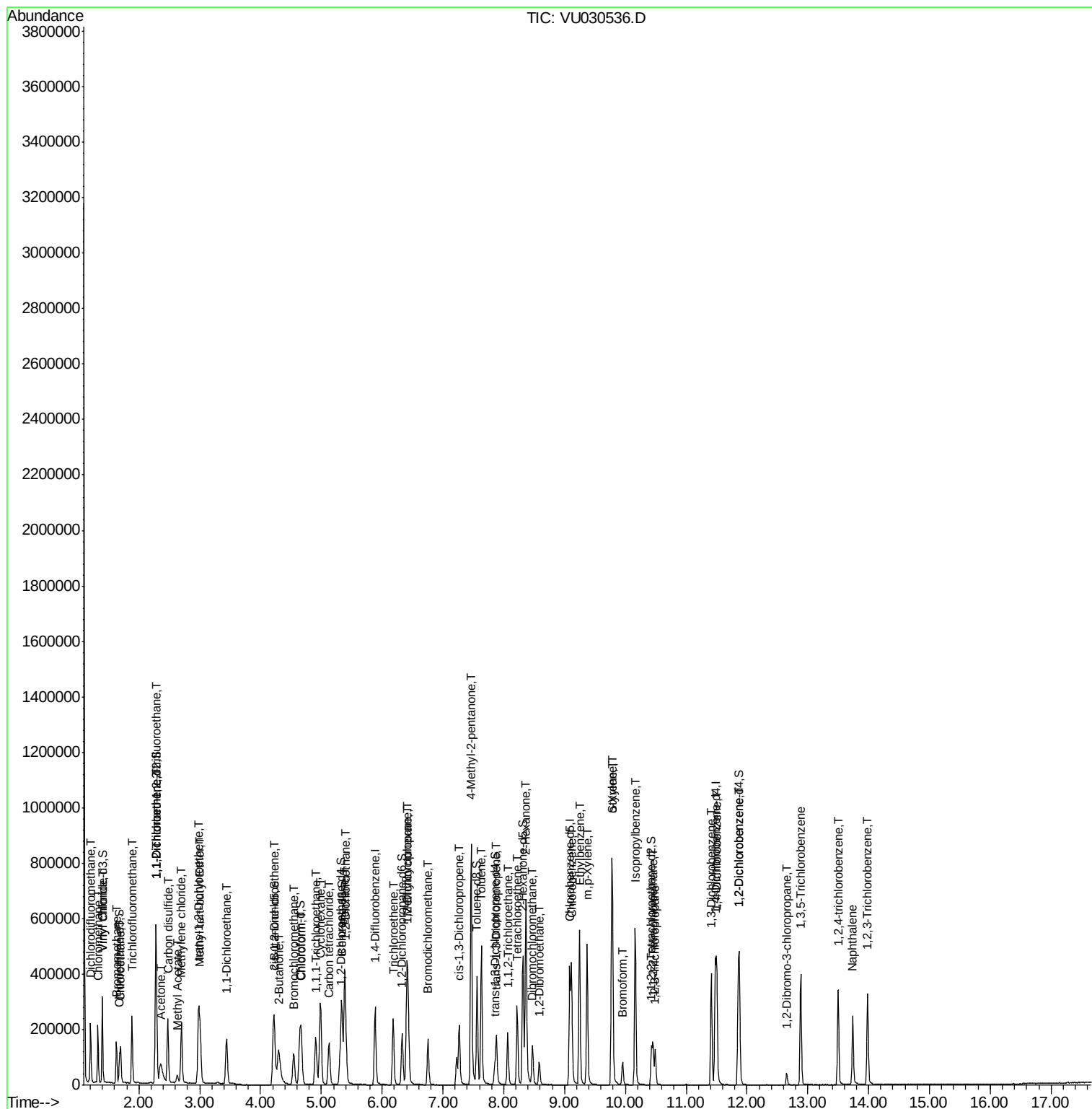
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	35922	4.879	ug/L	96
25) Chloroform	4.67	83	157439	4.724	ug/L	98
27) 1,2-Dichloroethane	5.40	62	101217	4.681	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	131538	4.618	ug/L	99
30) Cyclohexane	4.99	56	162719	4.732	ug/L	99
31) Carbon tetrachloride	5.13	117	112267	4.695	ug/L	98
33) Benzene	5.38	78	359962	4.759	ug/L	100
34) Trichloroethene	6.18	95	87420	4.617	ug/L	97
35) Methylcyclohexane	6.41	83	142301	4.709	ug/L	99
37) 1,2-Dichloropropane	6.43	63	97850	4.701	ug/L	100
38) Bromodichloromethane	6.76	83	113040	4.651	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	133001	4.778	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	643868	49.587	ug/L	100
42) Toluene	7.63	91	366965	4.838	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	104613	4.855	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	58551	4.717	ug/L	96
47) Tetrachloroethene	8.22	164	63627	4.791	ug/L	96
48) 2-Hexanone	8.36	43	468222	52.043	ug/L	99
49) Dibromochloromethane	8.47	129	68957	4.646	ug/L	92
50) 1,2-Dibromoethane	8.58	107	57024	4.929	ug/L	93
51) Chlorobenzene	9.12	112	218551	4.672	ug/L	99
52) Ethylbenzene	9.25	91	394803	4.880	ug/L	99
53) m,p-Xylene	9.37	106	141346	5.002	ug/L	100
54) o-Xylene	9.77	106	137811	4.973	ug/L	97
55) Styrene	9.79	104	234867	5.023	ug/L	99
56) Isopropylbenzene	10.16	105	364949	4.930	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	77655	4.706	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	52919	4.550	ug/L	97
61) Bromoform	9.96	173	36473	4.573	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	159286	4.794	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	163694	4.699	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	154890	4.790	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	12026	4.807	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	125069	5.044	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	102978	5.378	ug/L	97
69) Naphthalene	13.74	128	203294	6.611	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	102229	5.729	ug/L	100

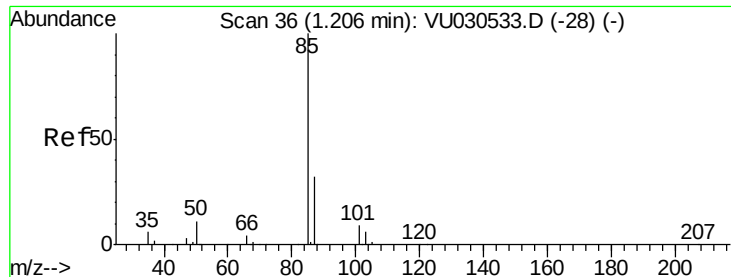
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.817 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

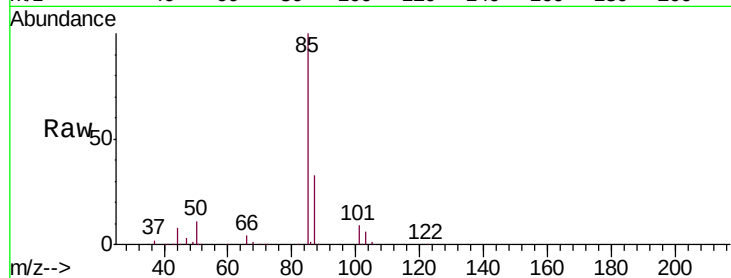
VICV06

Tgt Ion: 85 Resp: 120384

Ion Ratio Lower Upper

85 100

87 32.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU030536.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU030536.D (-28) (-)

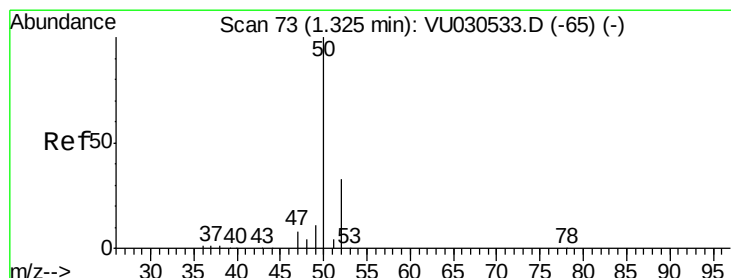
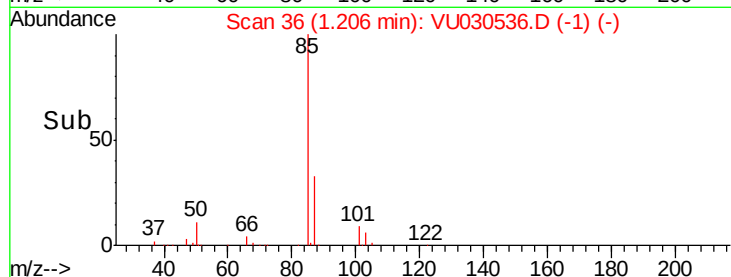
1.21

100000

50000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 4.703 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU030536.D

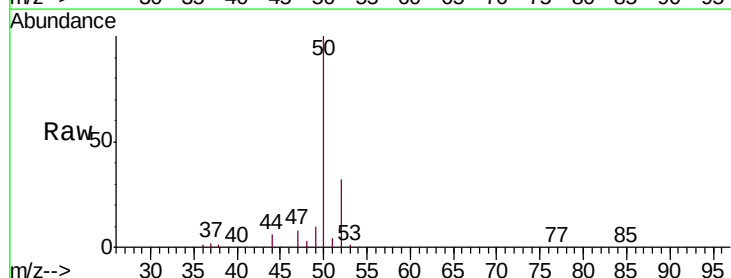
Acq: 29 Mar 2019 11:13

Tgt Ion: 50 Resp: 137791

Ion Ratio Lower Upper

50 100

52 32.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU030536.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU030536.D (-65) (-)

1.32

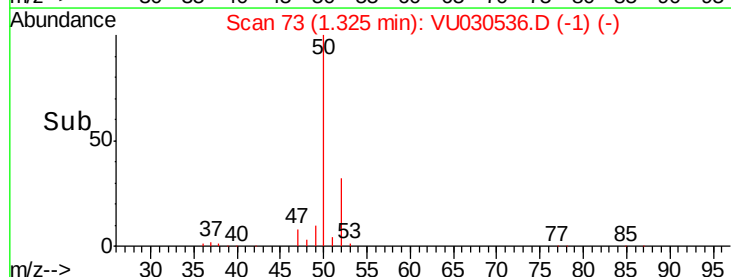
150000

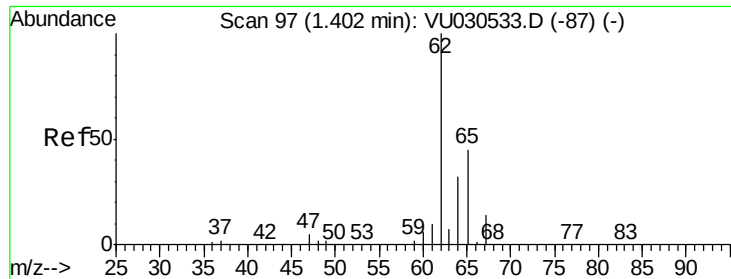
100000

50000

0

Time--> 1.25 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 4.841 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

Instrument :

MSVOA_U

ClientSampled :

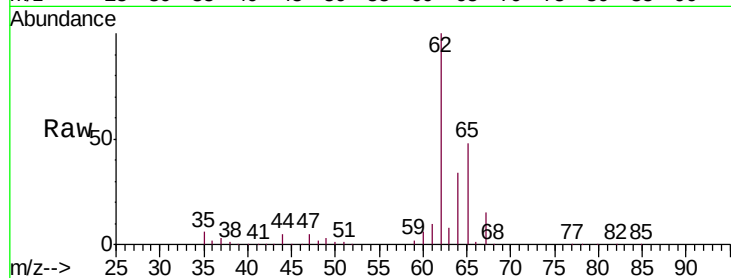
VICV06

Tgt Ion: 62 Resp: 129962

Ion Ratio Lower Upper

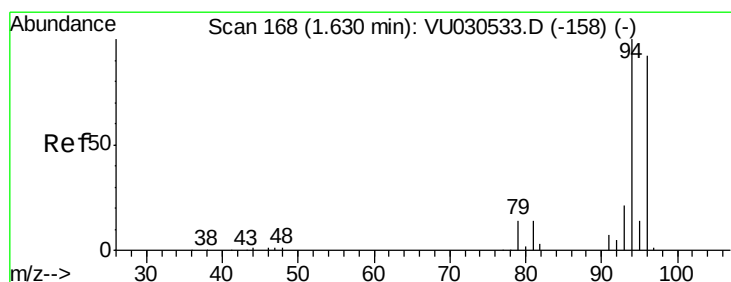
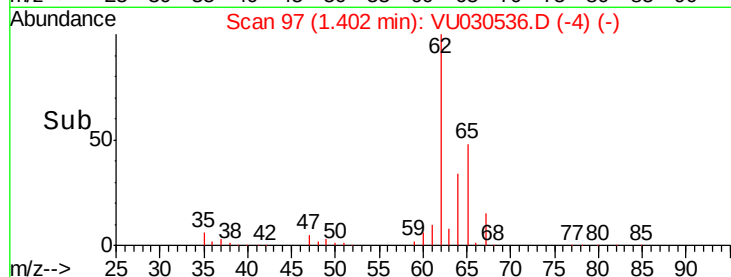
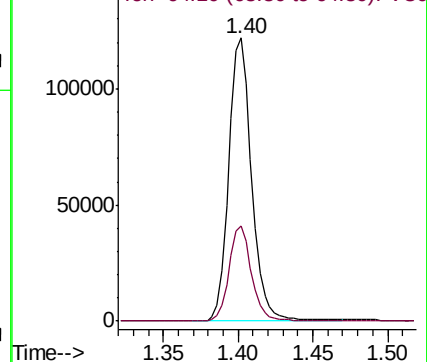
62 100

64 33.7 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.900 ug/L

RT: 1.63 min Scan# 168

Delta R.T. -0.00 min

Lab File: VU030536.D

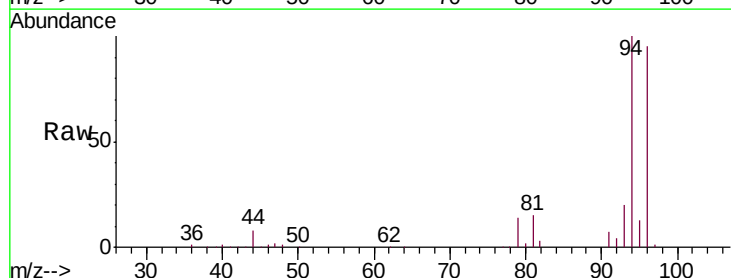
Acq: 29 Mar 2019 11:13

Tgt Ion: 94 Resp: 64351

Ion Ratio Lower Upper

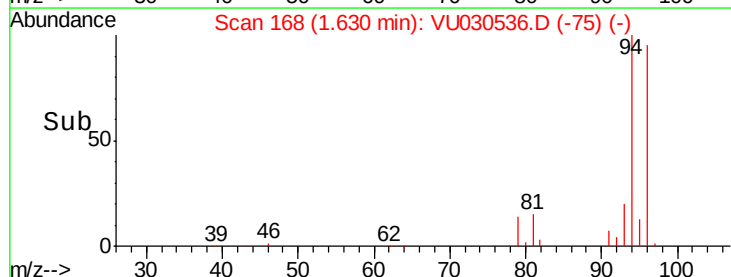
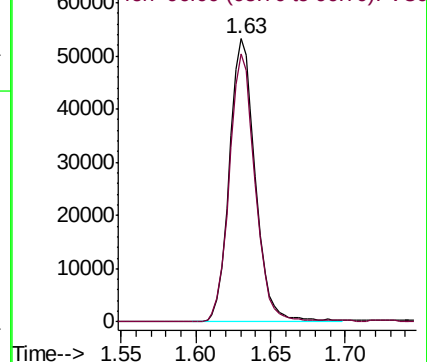
94 100

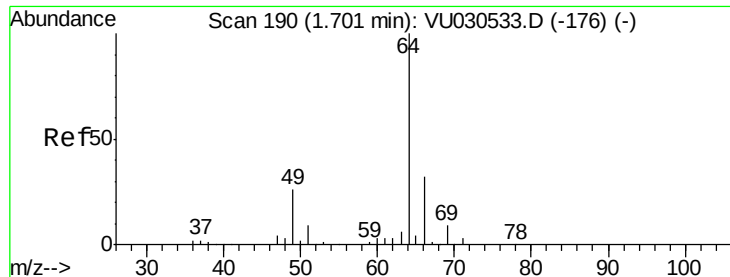
96 94.6 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.772 ug/L

RT: 1.70 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

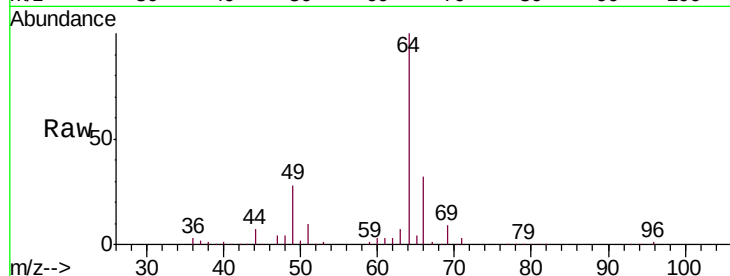
VICV06

Tgt Ion: 64 Resp: 72876

Ion Ratio Lower Upper

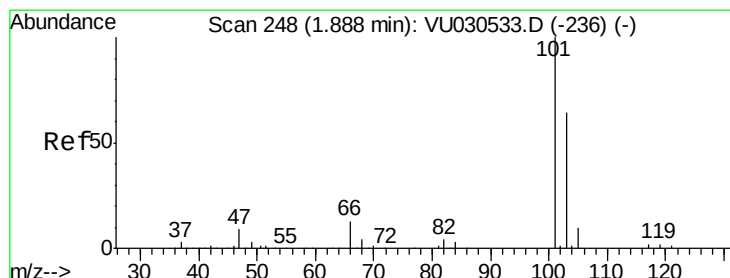
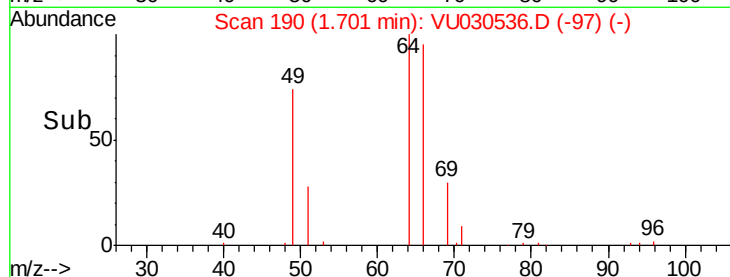
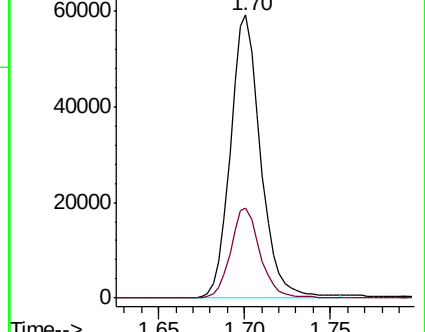
64 100

66 31.8 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU030533.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU030533.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 4.906 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU030536.D

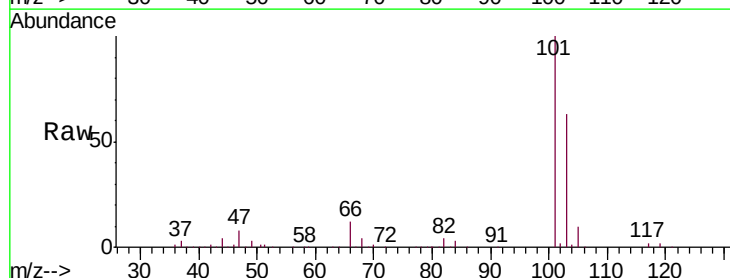
Acq: 29 Mar 2019 11:13

Tgt Ion: 101 Resp: 149263

Ion Ratio Lower Upper

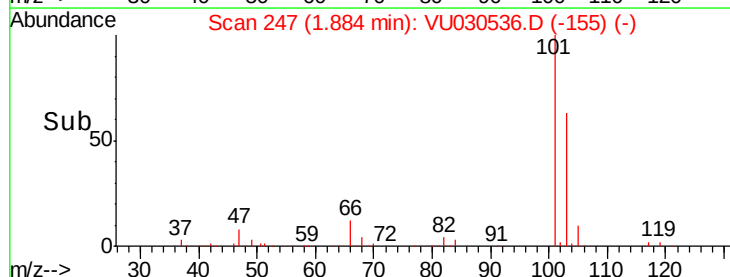
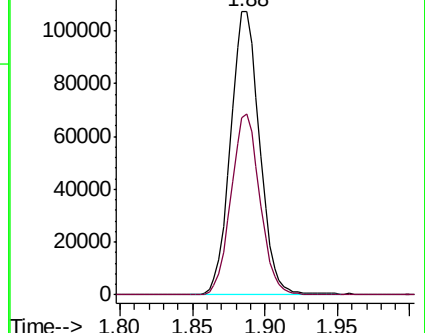
101 100

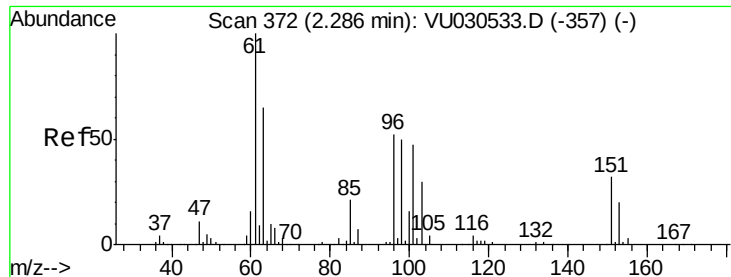
103 63.2 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VU030533.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU030533.D (-236) (-)





#10

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

Concen: 4.897 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU030536.D

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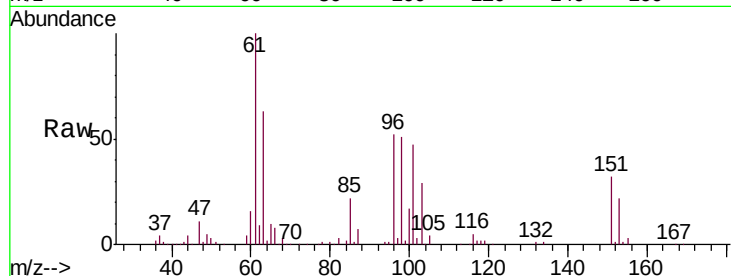
Tgt Ion: 101 Resp: 82862

Ion Ratio Lower Upper

101 100

85 44.3 35.3 52.9

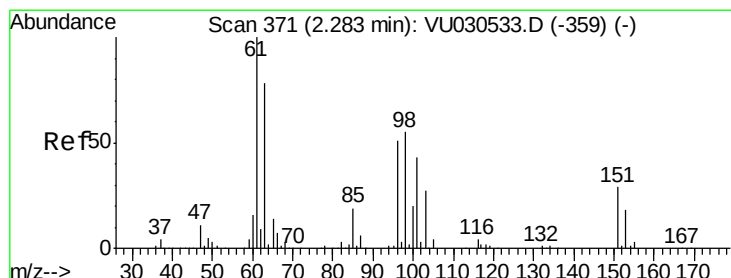
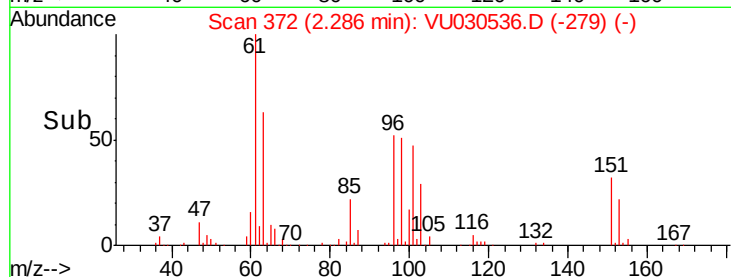
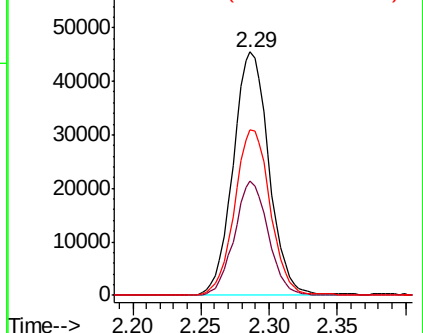
151 67.4 55.2 82.8



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: 4.791 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

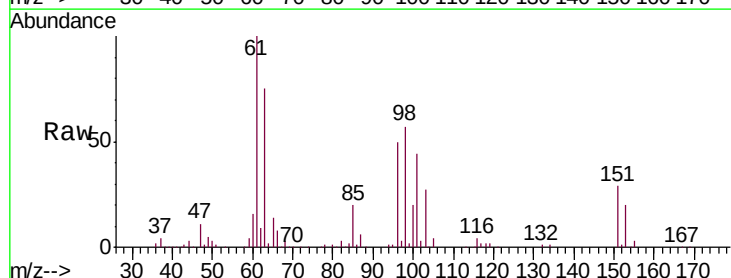
Tgt Ion: 96 Resp: 78429

Ion Ratio Lower Upper

96 100

61 200.4 136.9 254.3

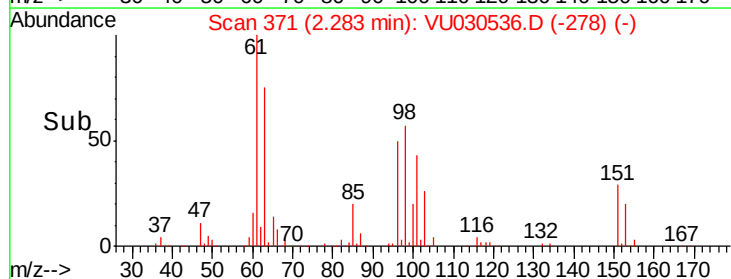
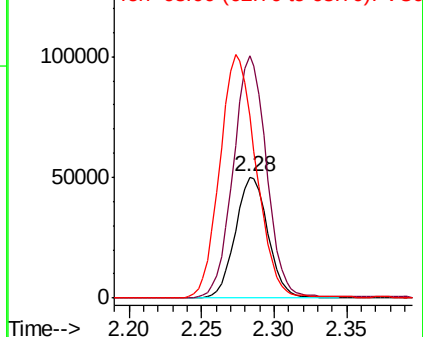
63 151.1 107.7 200.1

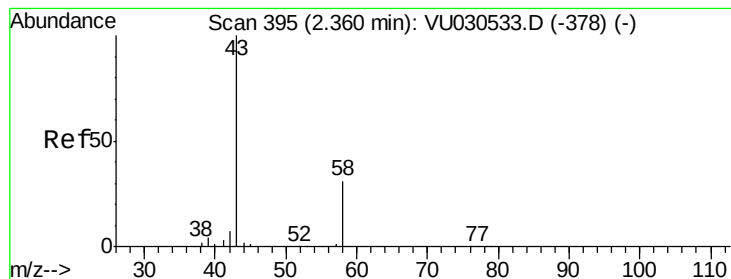


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.118 ug/L

RT: 2.36 min Scan# 395

Delta R.T. -0.00 min

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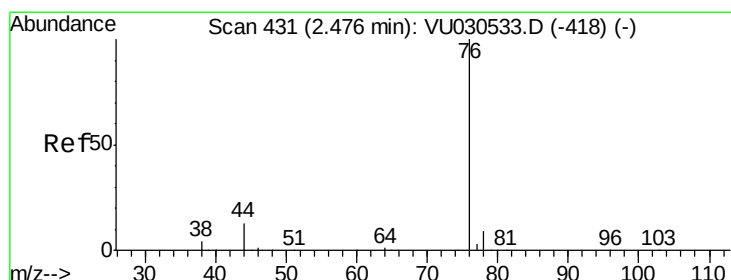
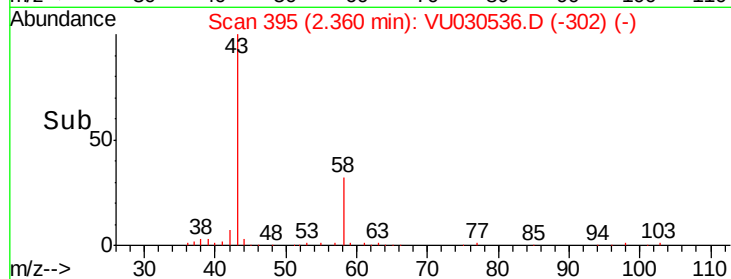
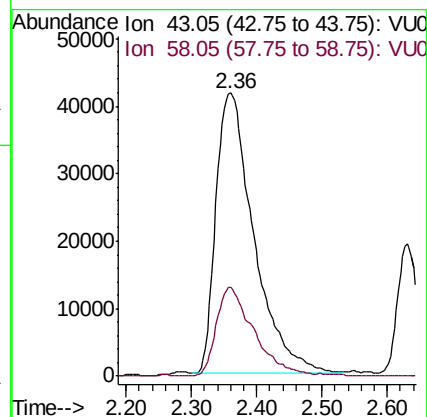
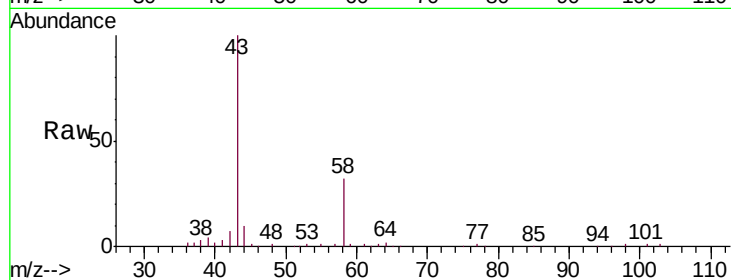
VICV06

Tgt Ion: 43 Resp: 167755

Ion Ratio Lower Upper

43 100

58 31.3 0.0 62.8



#14

Carbon disulfide

Concen: 4.844 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU030536.D

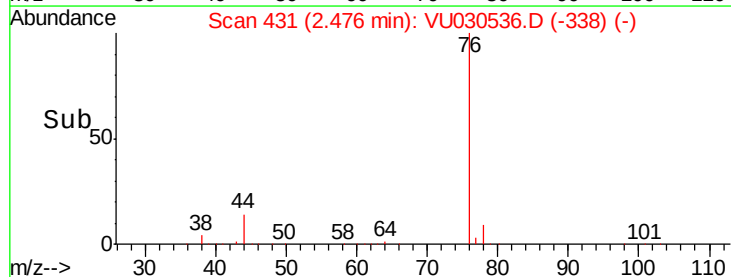
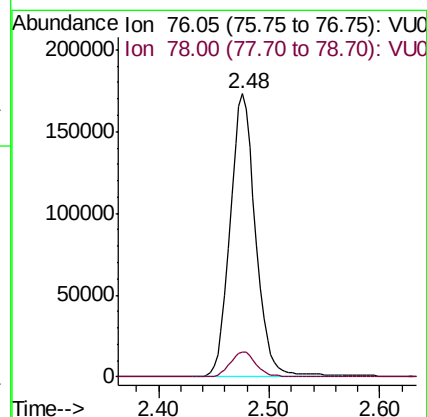
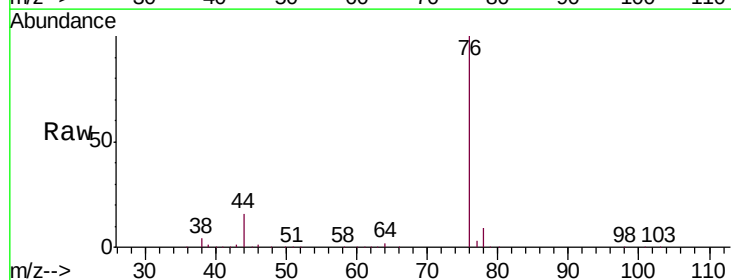
Acq: 29 Mar 2019 11:13

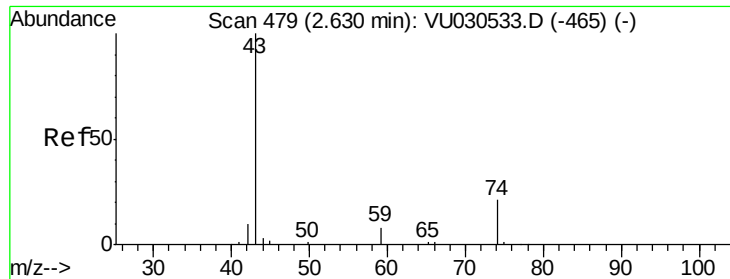
Tgt Ion: 76 Resp: 278052

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

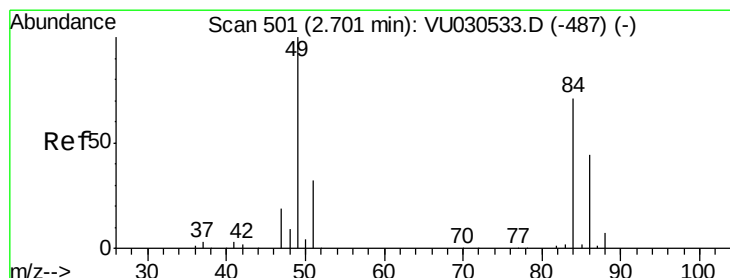
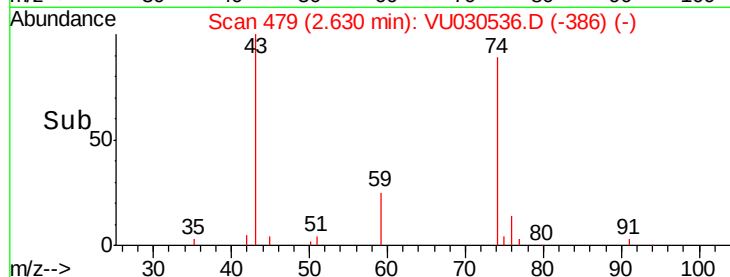
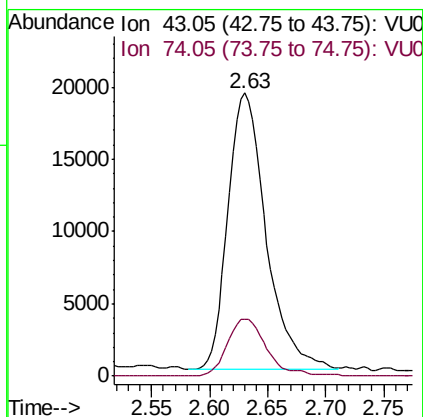
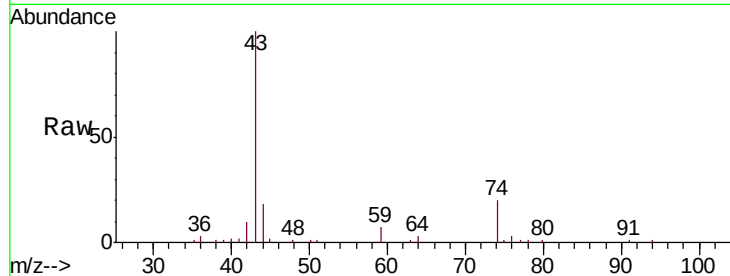




#15
Methyl Acetate
Concen: 4.945 ug/L
RT: 2.63 min Scan# 479
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

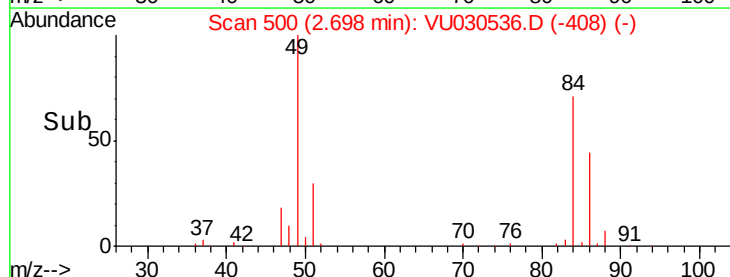
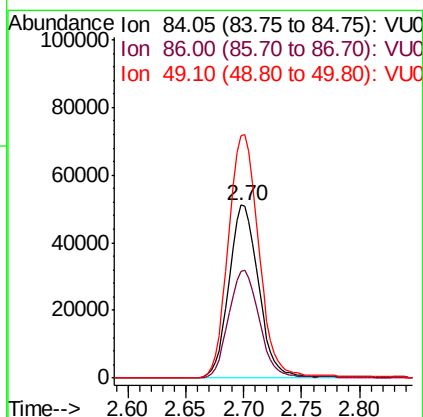
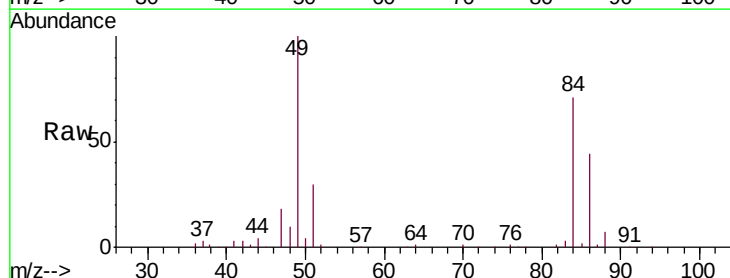
Instrument :
MSVOA_U
ClientSampled :
VICV06

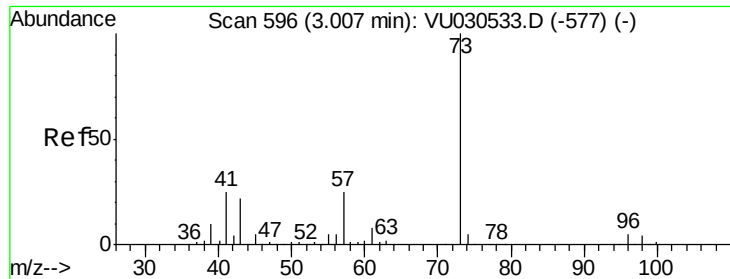
Tgt Ion: 43 Resp: 43633
Ion Ratio Lower Upper
43 100
74 21.3 17.1 25.7



#16
Methylene chloride
Concen: 4.759 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

Tgt Ion: 84 Resp: 90822
Ion Ratio Lower Upper
84 100
86 61.8 43.4 80.6
49 140.5 98.5 182.9

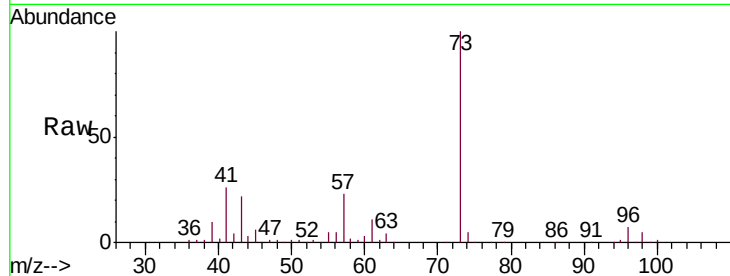




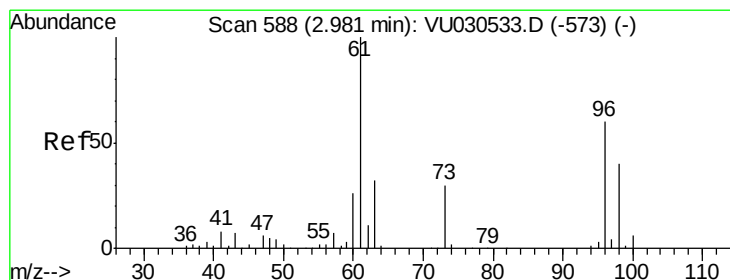
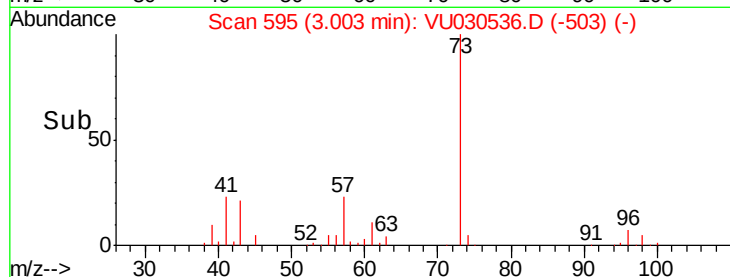
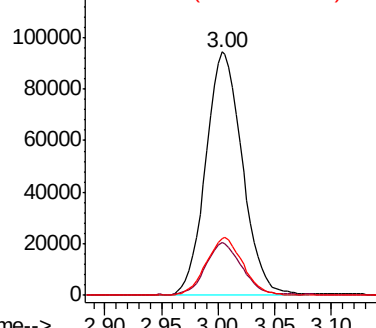
#17
Methyl tert-butyl Ether
Concen: 4.861 ug/L
RT: 3.00 min Scan# 595
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

Instrument :
MSVOA_U
ClientSampleId :
VICV06

Tgt Ion: 73 Resp: 213034
Ion Ratio Lower Upper
73 100
43 20.7 17.0 25.4
57 24.0 19.4 29.2

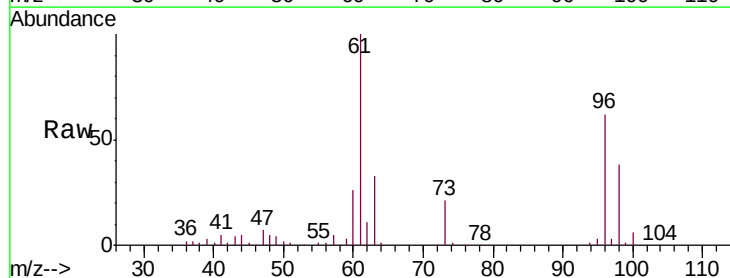


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

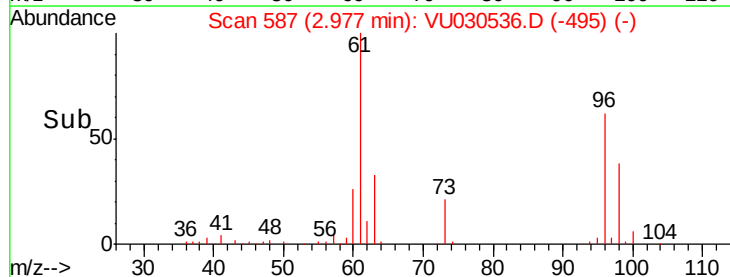
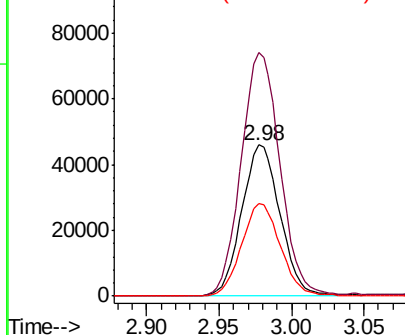


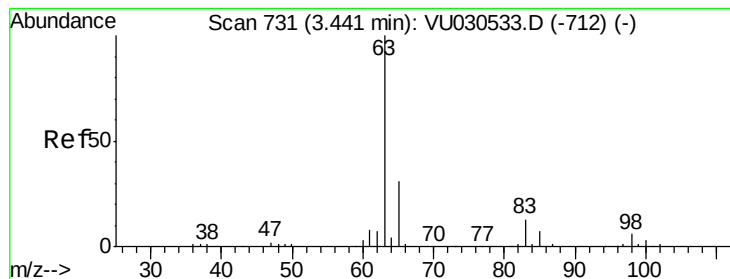
#18
trans-1,2-Dichloroethene
Concen: 4.897 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

Tgt Ion: 96 Resp: 84626
Ion Ratio Lower Upper
96 100
61 161.1 116.8 216.8
98 61.2 46.8 87.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.782 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

Instrument :

MSVOA_U

ClientSampled :

VICV06

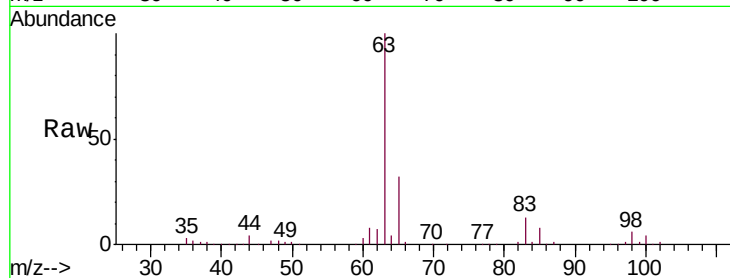
Tgt Ion: 63 Resp: 174816

Ion Ratio Lower Upper

63 100

65 31.7 21.6 40.0

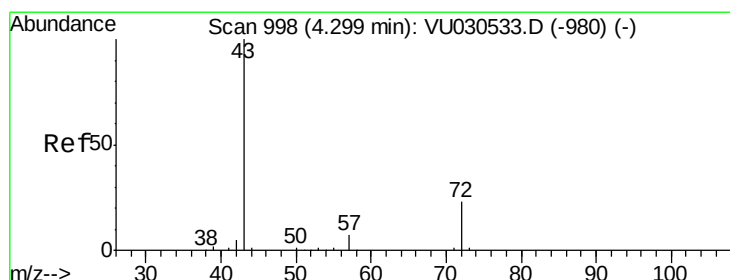
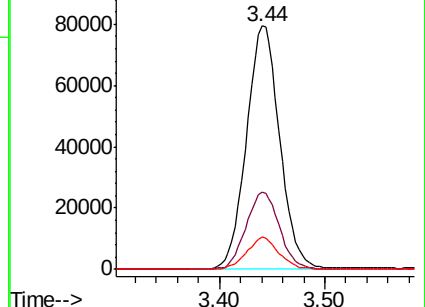
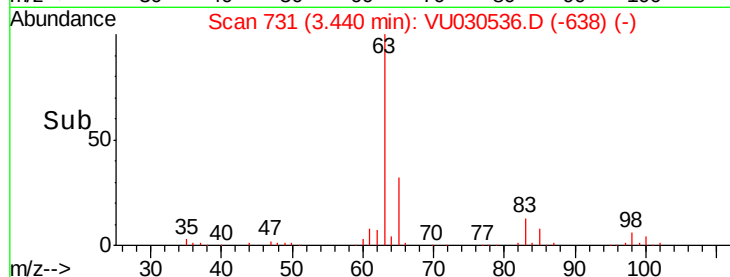
83 13.2 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU030536.D (-638) (-)

Ion 65.10 (64.80 to 65.80): VU030536.D (-638) (-)

Ion 83.05 (82.75 to 83.75): VU030536.D (-638) (-)



#21

2-Butanone

Concen: 50.602 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU030536.D

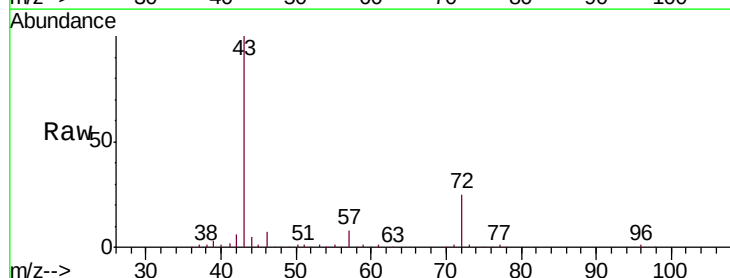
Acq: 29 Mar 2019 11:13

Tgt Ion: 43 Resp: 273896

Ion Ratio Lower Upper

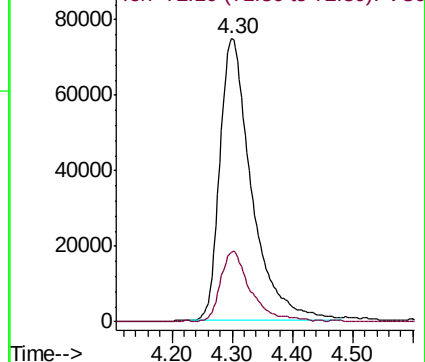
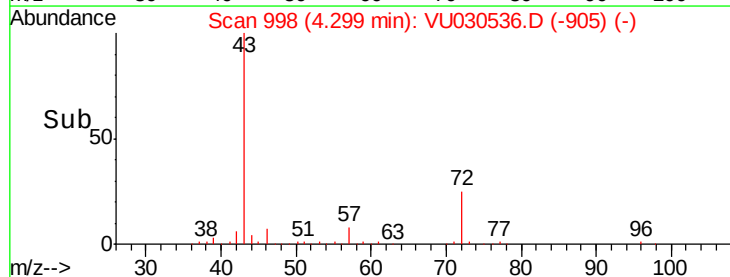
43 100

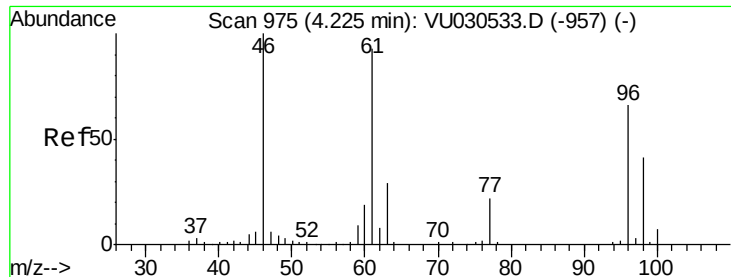
72 22.3 11.2 33.5



Abundance Ion 43.05 (42.75 to 43.75): VU030536.D (-905) (-)

Ion 72.10 (71.80 to 72.80): VU030536.D (-905) (-)



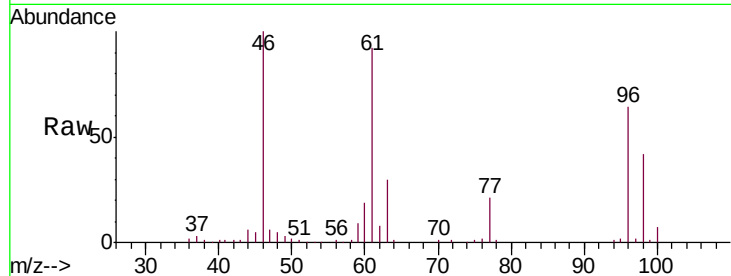


#22

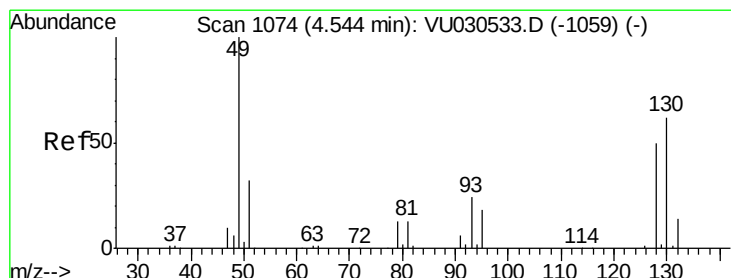
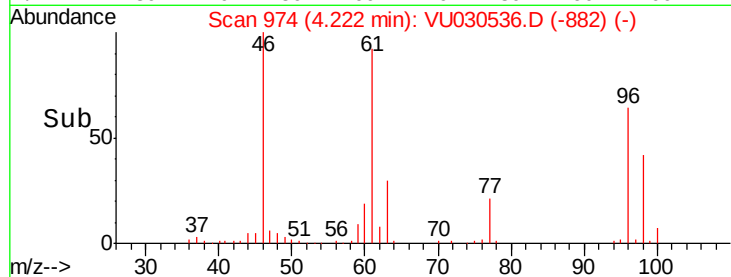
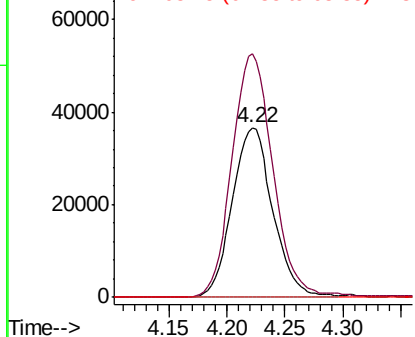
cis-1,2-Dichloroethene
Concen: 4.849 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

Instrument :
MSVOA_U
ClientSampleId :
VICV06

Tgt Ion: 96 Resp: 89369
Ion Ratio Lower Upper
96 100
61 143.3 98.9 183.7
68 0.0 0.0 0.0



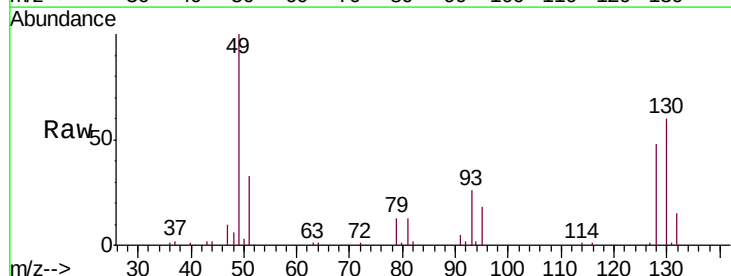
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



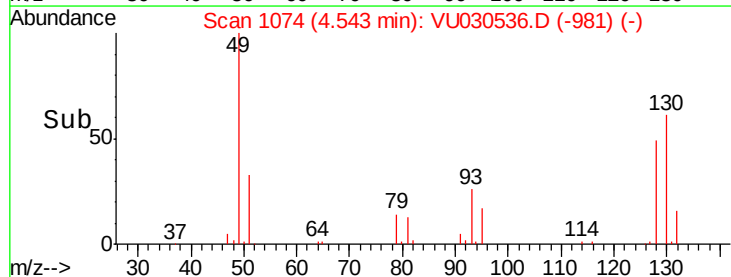
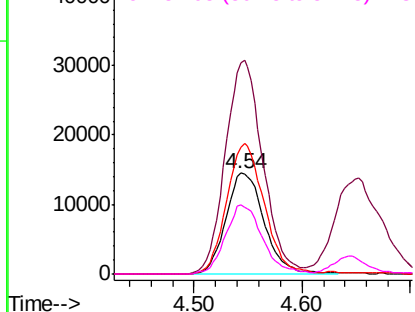
#23

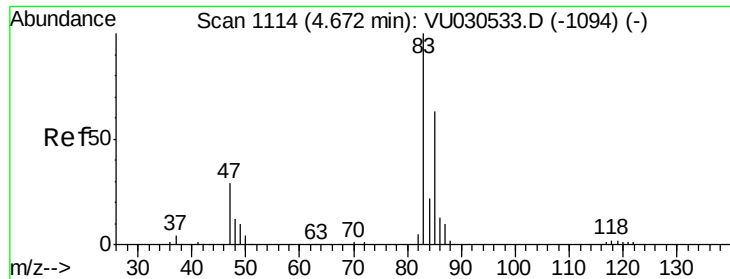
Bromochloromethane
Concen: 4.879 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

Tgt Ion: 128 Resp: 35922
Ion Ratio Lower Upper
128 100
49 210.0 140.6 261.2
130 125.9 87.3 162.1
51 68.5 51.8 77.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

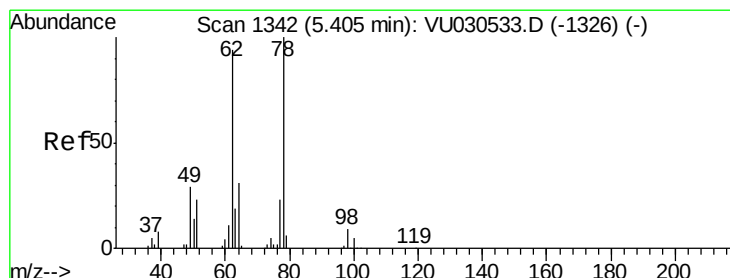
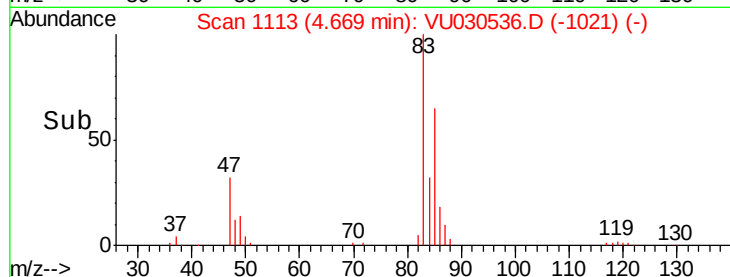
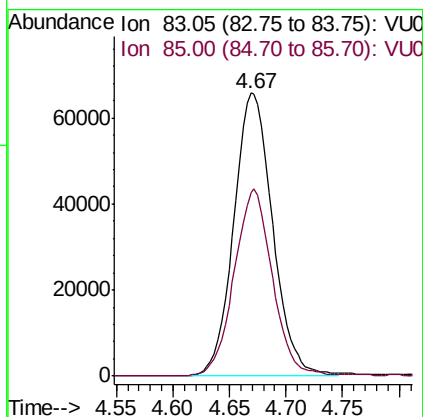
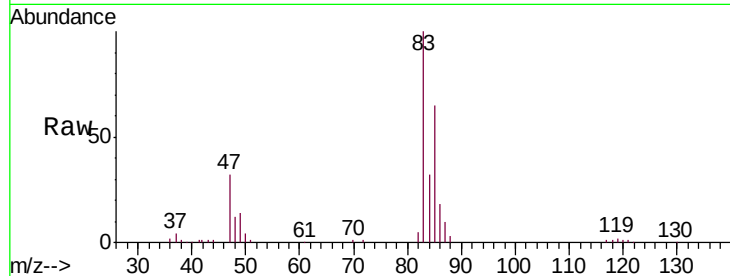




#25
Chloroform
Concen: 4.724 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

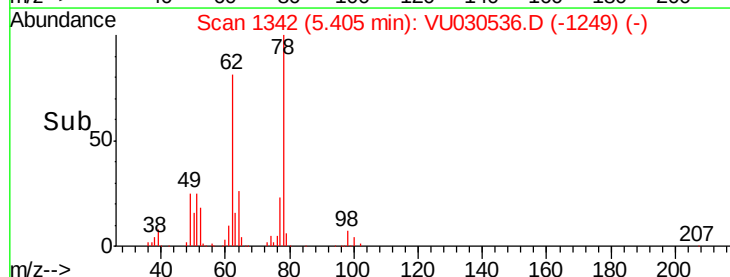
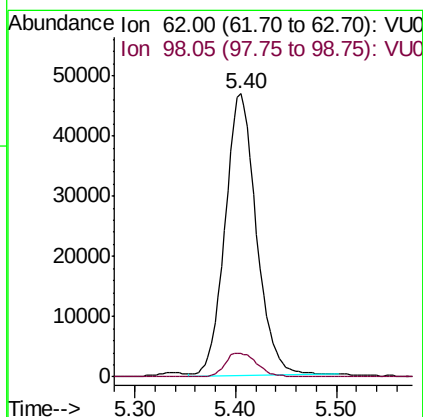
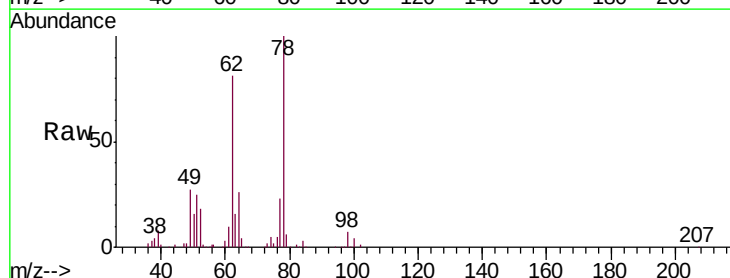
Instrument :
MSVOA_U
ClientSampleId :
VICV06

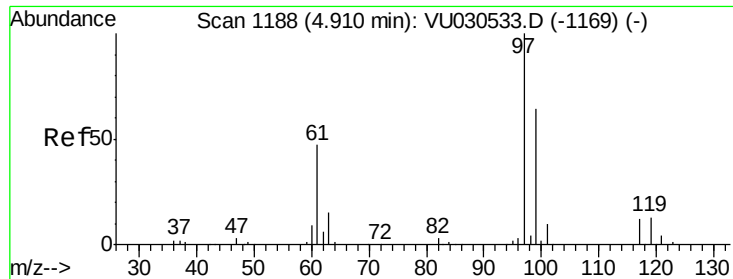
Tgt Ion: 83 Resp: 157439
Ion Ratio Lower Upper
83 100
85 64.7 44.2 82.2



#27
1,2-Dichloroethane
Concen: 4.681 ug/L
RT: 5.40 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

Tgt Ion: 62 Resp: 101217
Ion Ratio Lower Upper
62 100
98 8.3 7.4 11.2

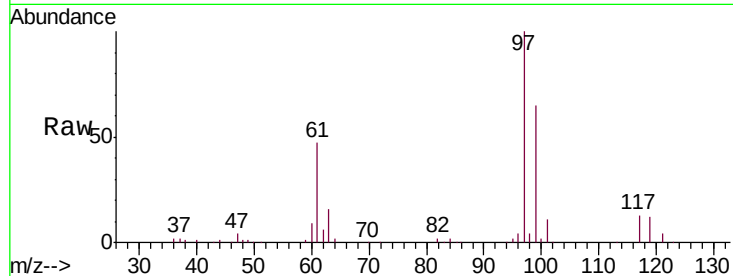




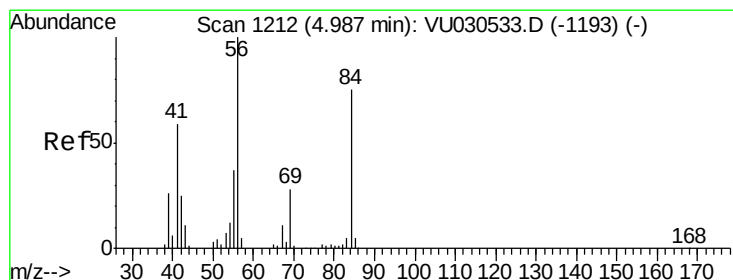
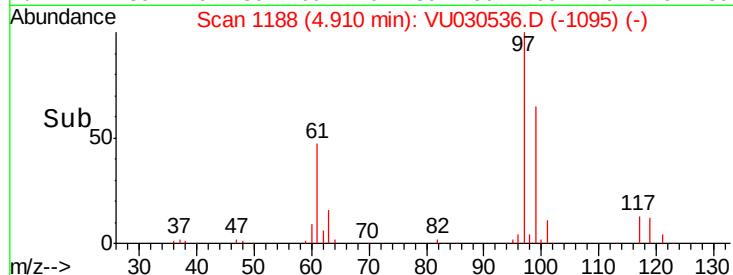
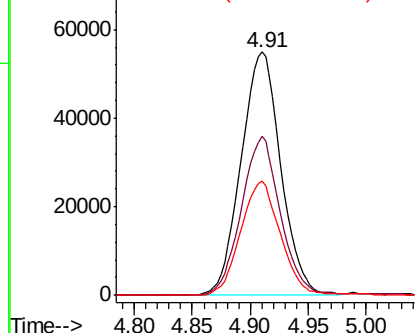
#29
1,1,1-Trichloroethane
Concen: 4.618 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

Instrument :
MSVOA_U
ClientSampleId :
VICV06

Tgt Ion: 97 Resp: 131538
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.6
61 46.6 38.1 57.1

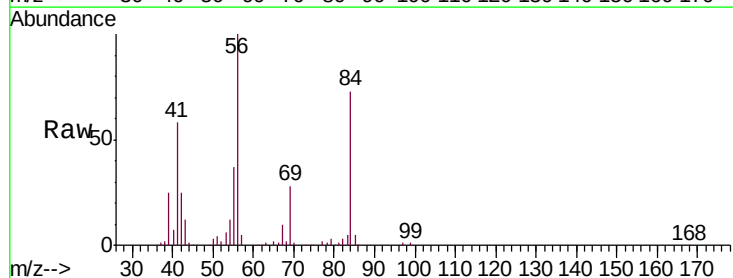


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

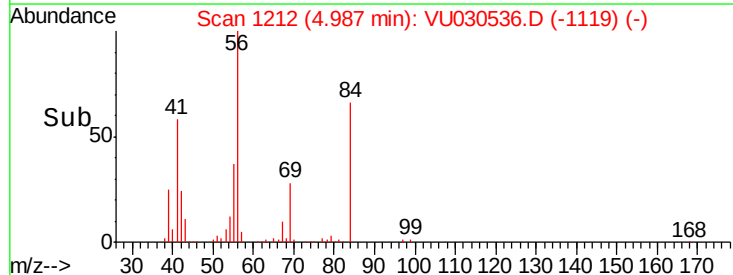
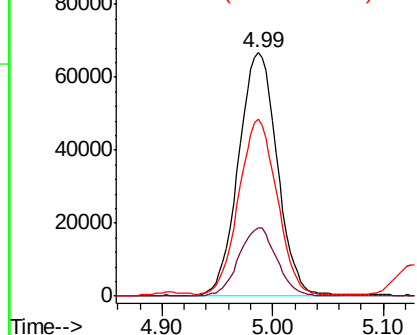


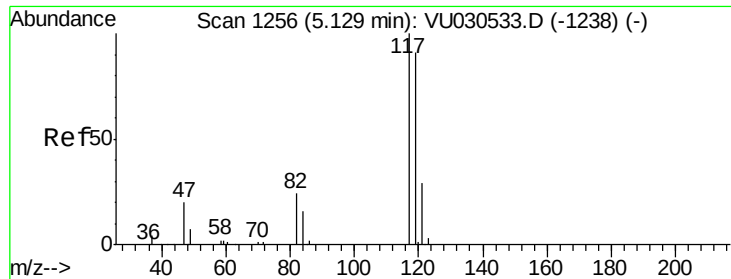
#30
Cyclohexane
Concen: 4.732 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

Tgt Ion: 56 Resp: 162719
Ion Ratio Lower Upper
56 100
69 27.4 22.3 33.5
84 71.6 58.3 87.5



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





#31

Carbon tetrachloride

Concen: 4.695 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

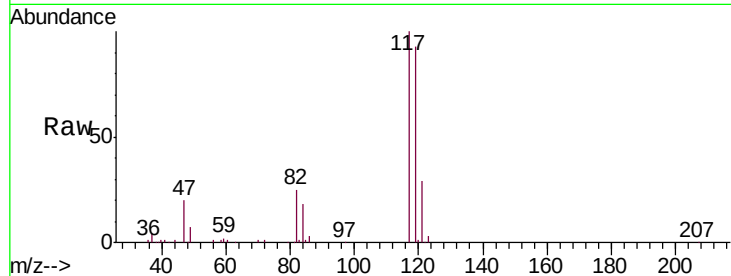
VICV06

Tgt Ion:117 Resp: 112267

Ion Ratio Lower Upper

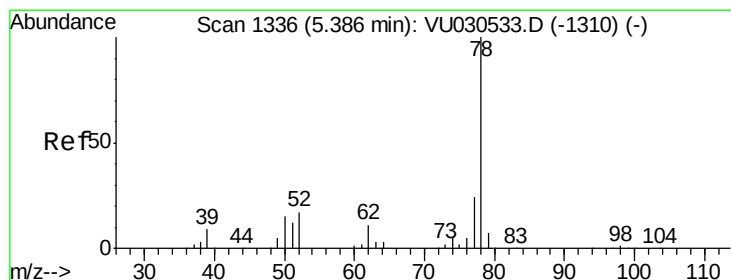
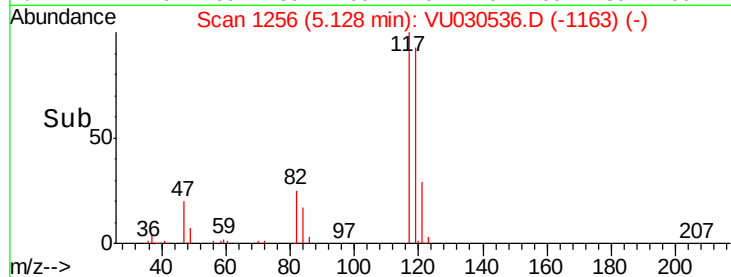
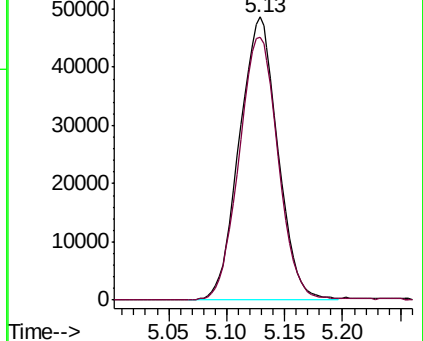
117 100

119 94.4 73.7 110.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.759 ug/L

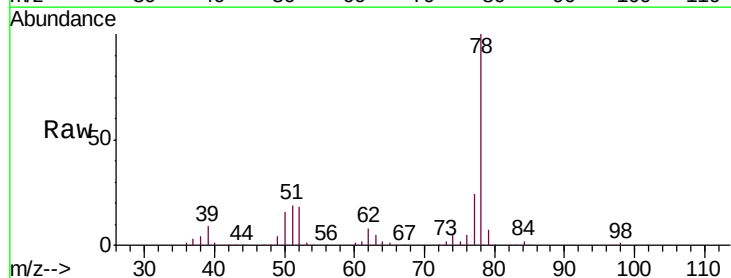
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

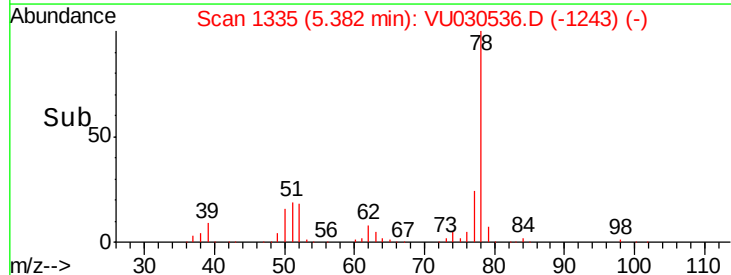
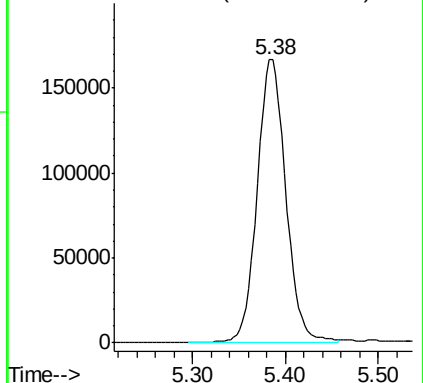
Lab File: VU030536.D

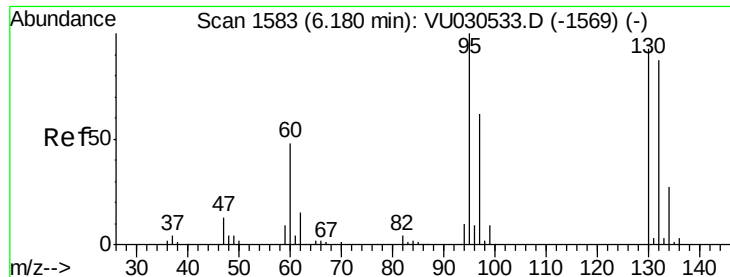
Acq: 29 Mar 2019 11:13

Tgt Ion: 78 Resp: 359962



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.617 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

VICV06

Tgt Ion: 95 Resp: 87420

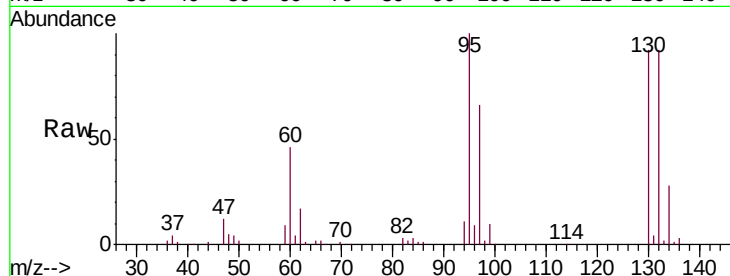
Ion Ratio Lower Upper

95 100

97 65.6 43.5 80.9

132 91.7 60.7 112.7

130 92.1 65.1 120.9

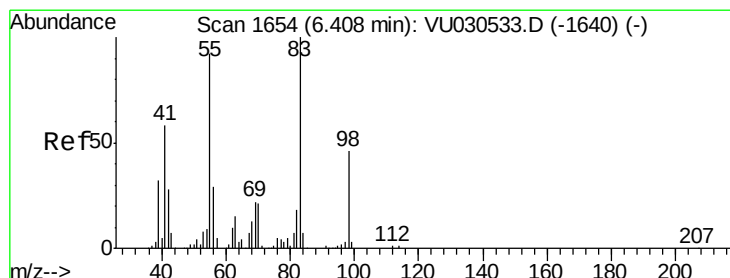
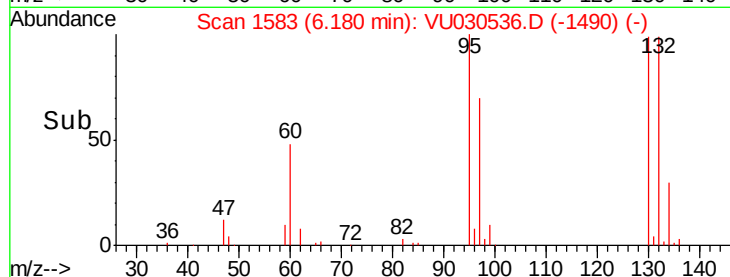
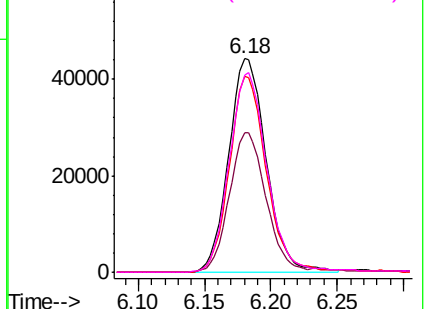


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.709 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

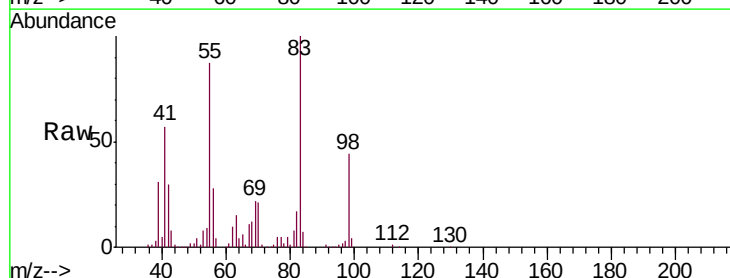
Tgt Ion: 83 Resp: 142301

Ion Ratio Lower Upper

83 100

55 91.2 72.6 108.8

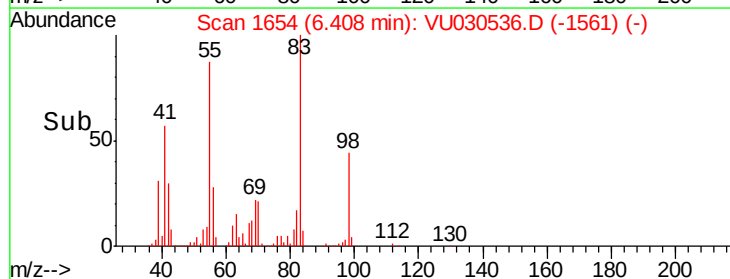
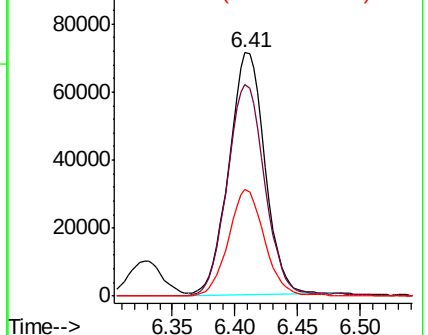
98 44.3 35.0 52.6

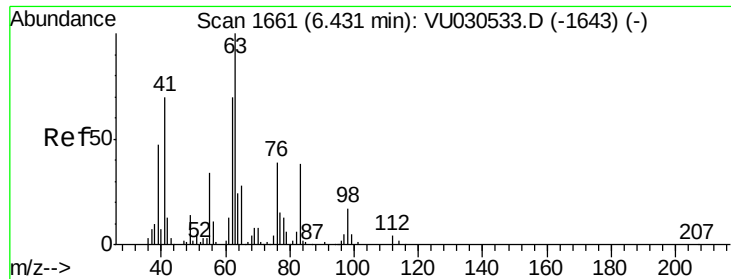


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

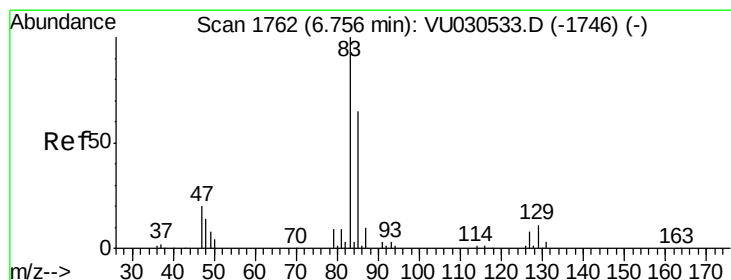
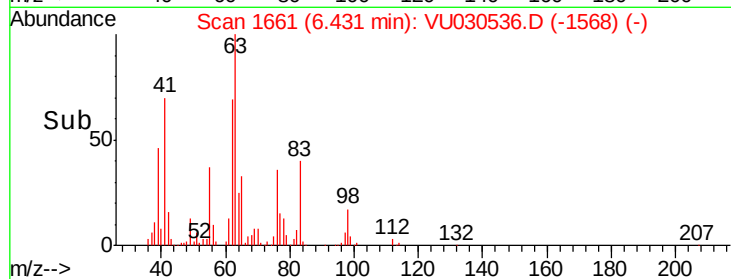
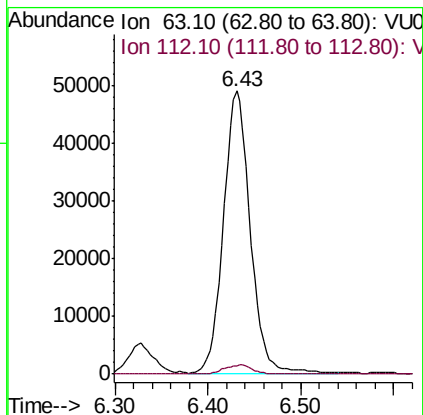
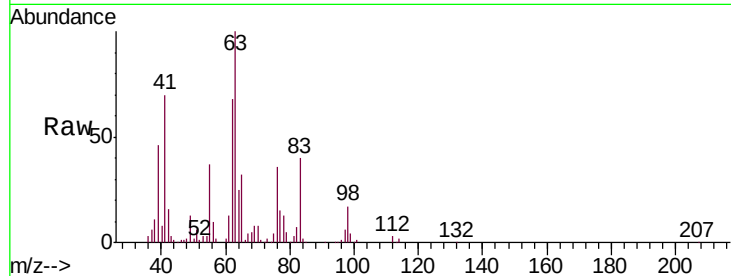




#37
 1,2-Dichloropropane
 Concen: 4.701 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU030536.D
 Acq: 29 Mar 2019 11:13

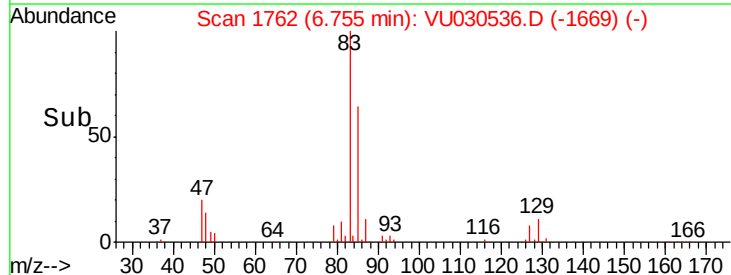
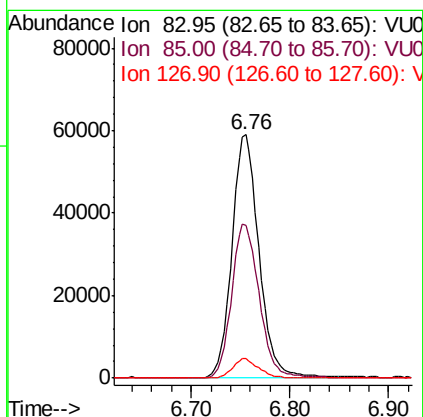
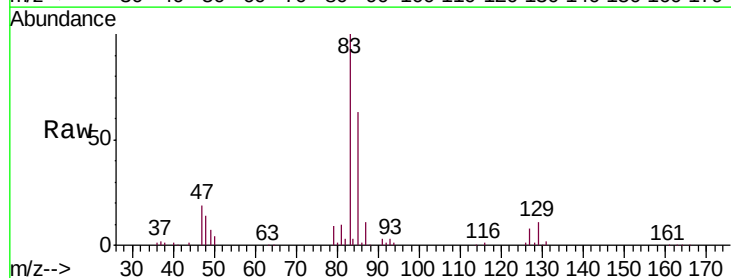
Instrument :
 MSVOA_U
 ClientSampled :
 VICV06

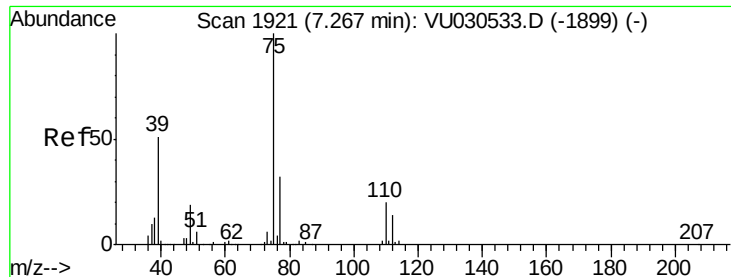
Tgt Ion: 63 Resp: 97850
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.8 4.2



#38
 Bromodichloromethane
 Concen: 4.651 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VU030536.D
 Acq: 29 Mar 2019 11:13

Tgt Ion: 83 Resp: 113040
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.1 83.9
 127 7.9 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 4.778 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

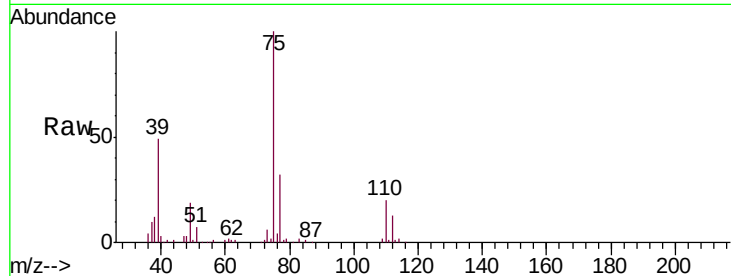
VICV06

Tgt Ion: 75 Resp: 133001

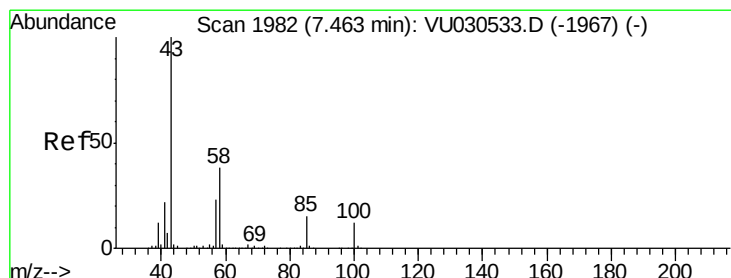
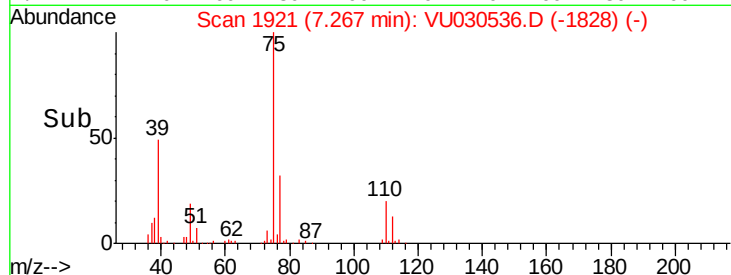
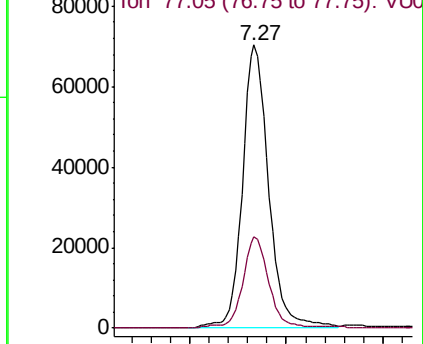
Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VU030533.D (-1899) (-)



#40

4-Methyl-2-pentanone

Concen: 49.587 ug/L

RT: 7.46 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

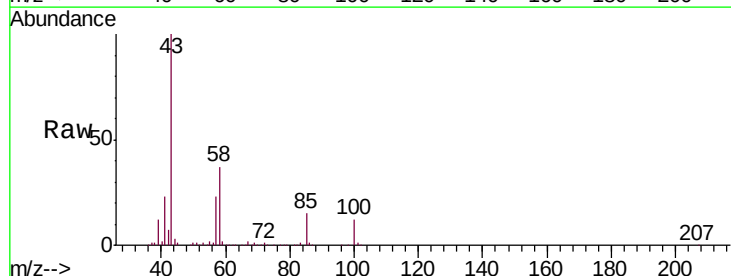
Tgt Ion: 43 Resp: 643868

Ion Ratio Lower Upper

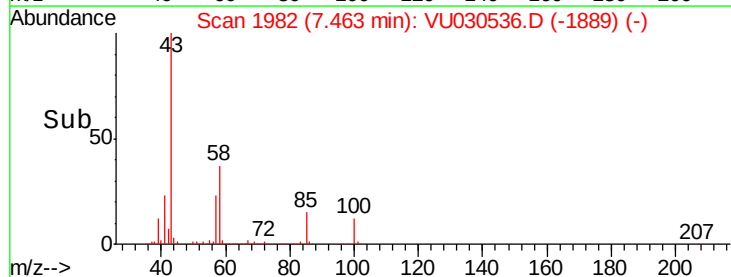
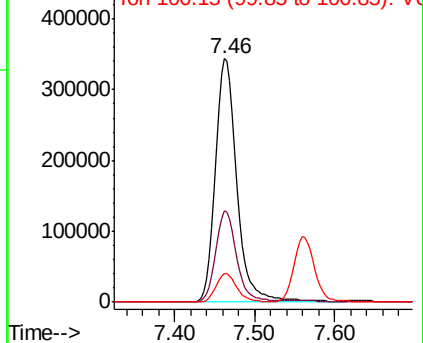
43 100

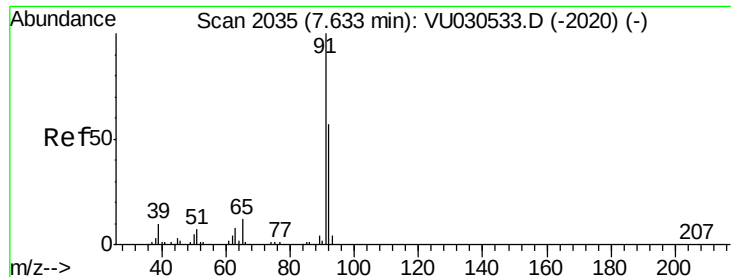
58 36.6 29.4 44.2

100 11.4 9.2 13.8



Abundance Ion 43.05 (42.75 to 43.75): VU030533.D (-1967) (-)





#42

Toluene

Concen: 4.838 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

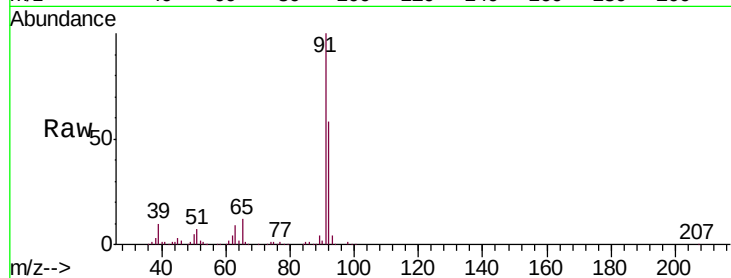
VICV06

Tgt Ion: 91 Resp: 366965

Ion Ratio Lower Upper

91 100

92 58.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU030536.D (-1942) (-)

Ion 92.15 (91.85 to 92.85): VU030536.D (-1942) (-)

7.63

200000

150000

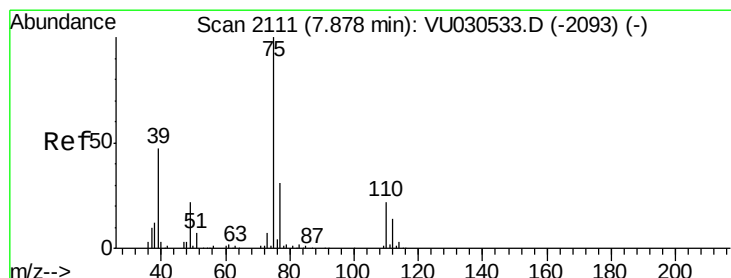
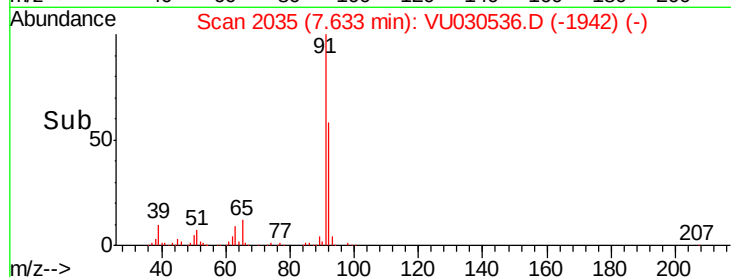
100000

50000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.855 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030536.D

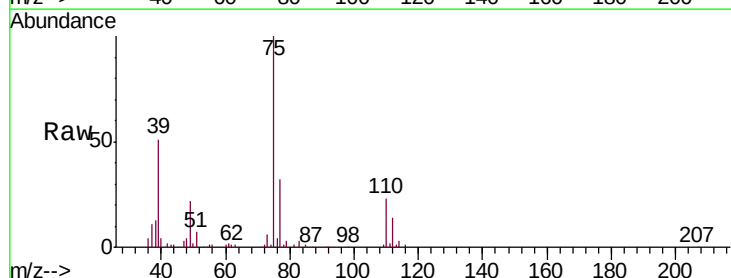
Acq: 29 Mar 2019 11:13

Tgt Ion: 75 Resp: 104613

Ion Ratio Lower Upper

75 100

77 32.3 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU030536.D (-2018) (-)

Ion 77.05 (76.75 to 77.75): VU030536.D (-2018) (-)

7.88

60000

50000

40000

30000

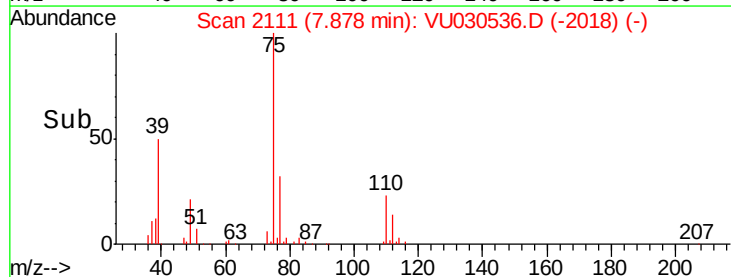
20000

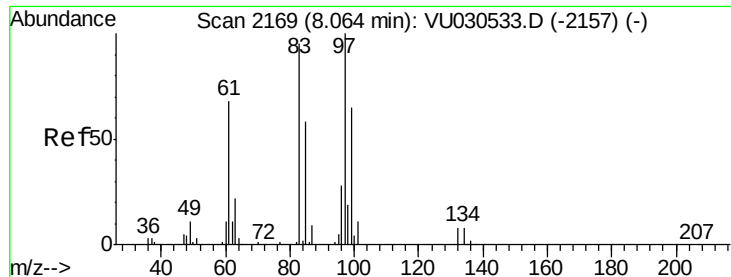
10000

0

7.80 7.90 8.00

Time-->

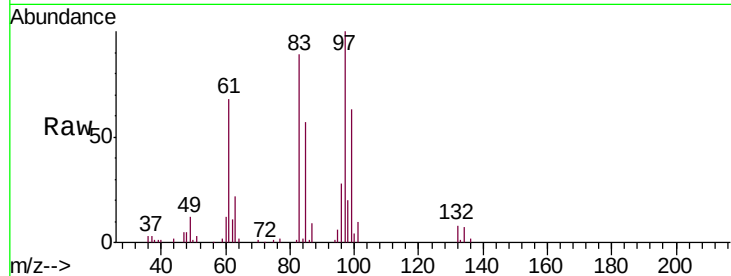




#45
 1,1,2-Trichloroethane
 Concen: 4.717 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030536.D
 Acq: 29 Mar 2019 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV06

Tgt Ion:	97	Resp:	58551
Ion	Ratio	Lower	Upper
97	100		
99	63.3	45.3	84.1
83	89.4	66.5	123.5
85	57.1	41.2	76.4



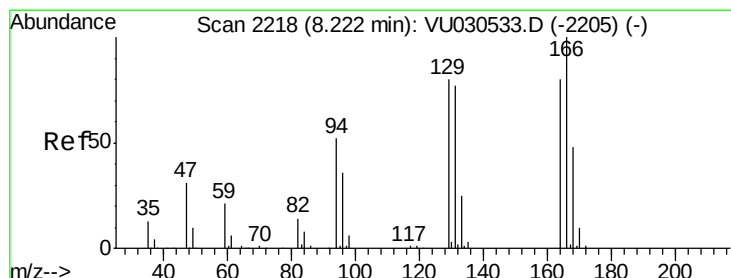
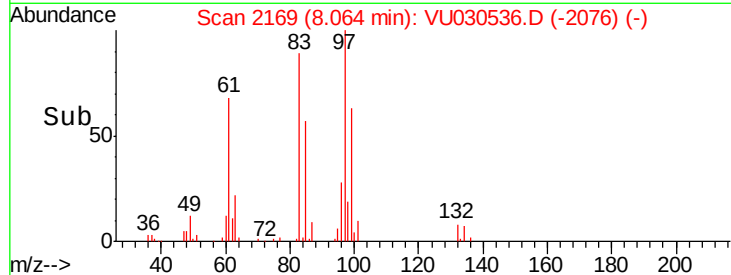
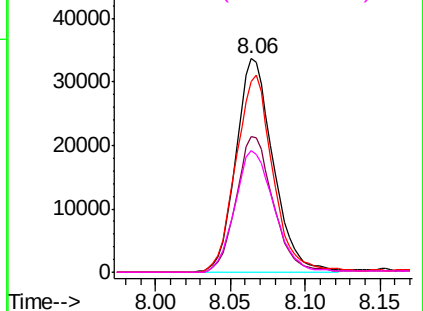
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

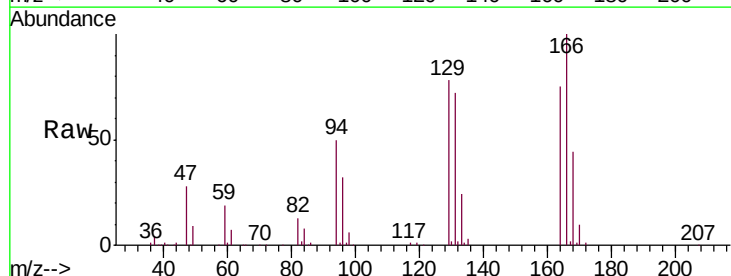
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.791 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU030536.D
 Acq: 29 Mar 2019 11:13

Tgt Ion:	164	Resp:	63627
Ion	Ratio	Lower	Upper
164	100		
129	104.7	70.1	130.1
131	96.7	67.8	125.8
166	133.8	87.9	163.3



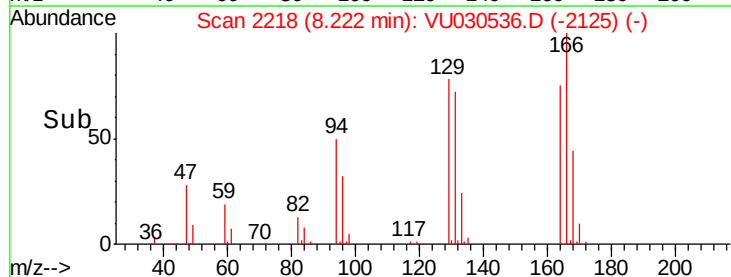
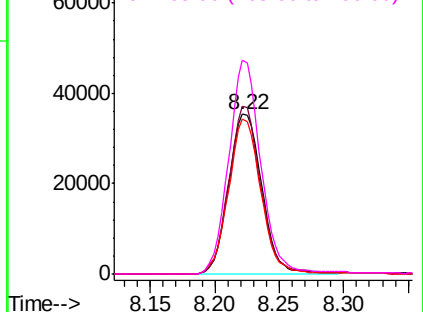
Abundance

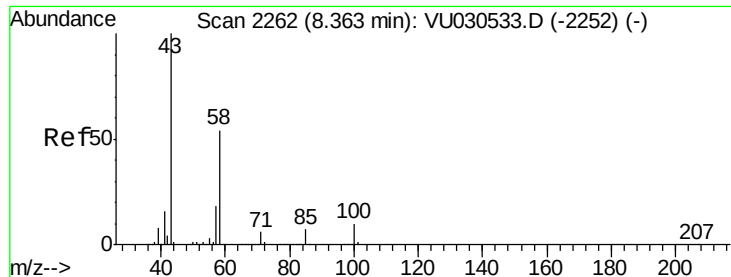
Ion 163.90 (163.60 to 164.60): V

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

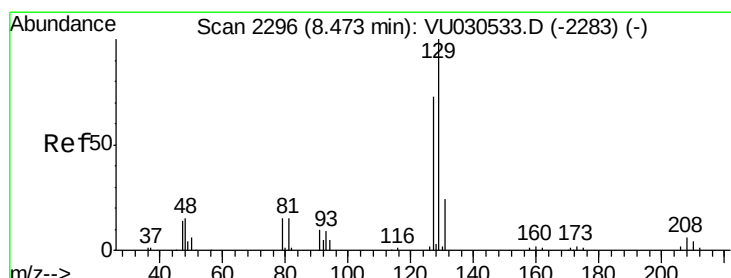
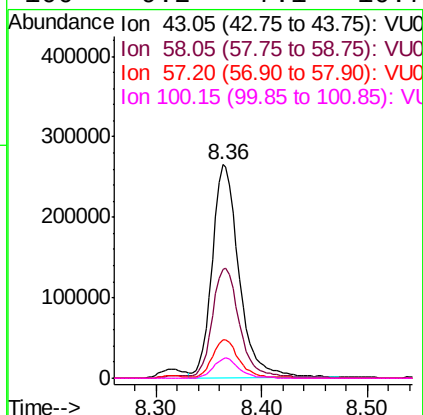
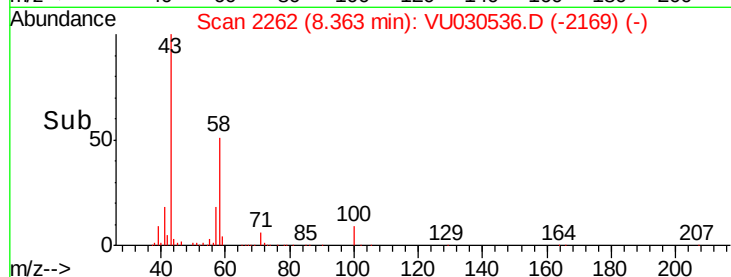
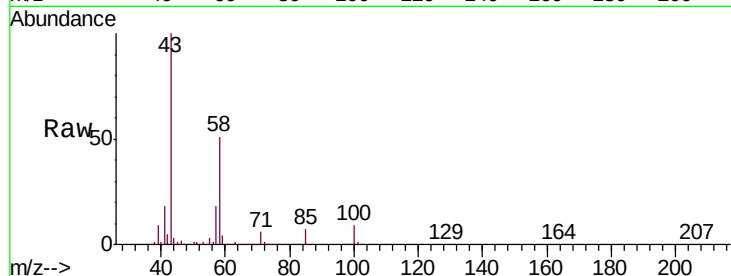




#48
2-Hexanone
Concen: 52.043 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

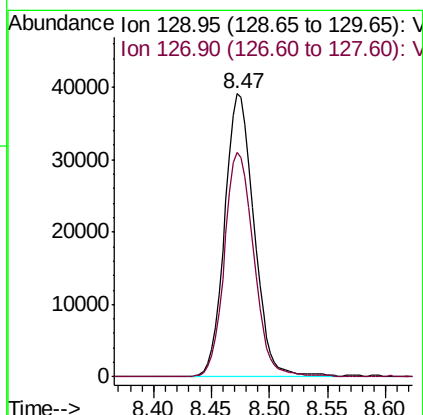
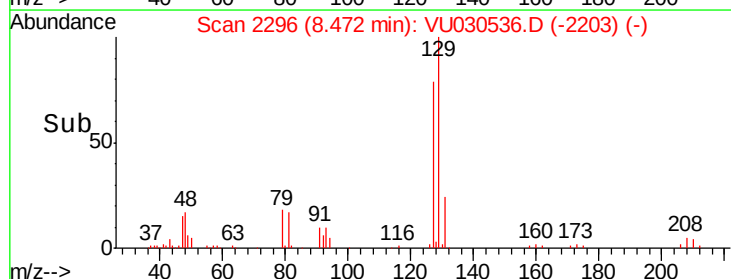
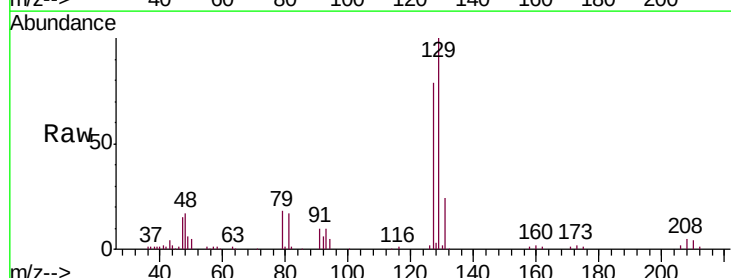
Instrument :
MSVOA_U
ClientSampleId :
VICV06

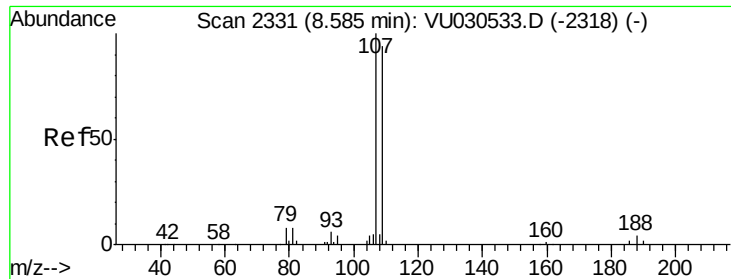
Tgt Ion: 43 Resp: 468222
Ion Ratio Lower Upper
43 100
58 52.9 42.5 63.7
57 18.1 13.9 20.9
100 9.2 7.1 10.7



#49
Dibromochloromethane
Concen: 4.646 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

Tgt Ion: 129 Resp: 68957
Ion Ratio Lower Upper
129 100
127 79.4 51.1 94.9

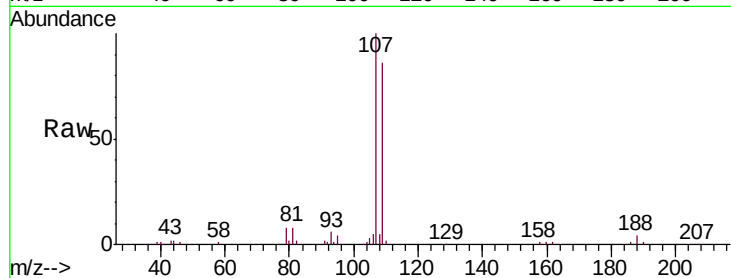




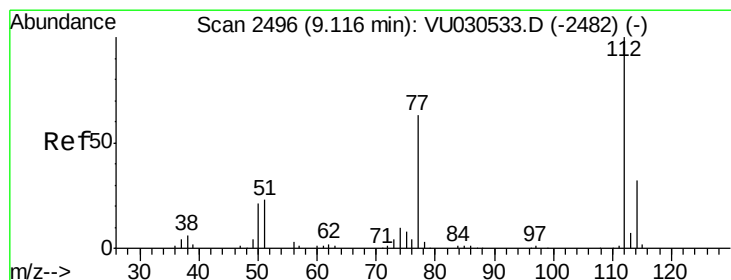
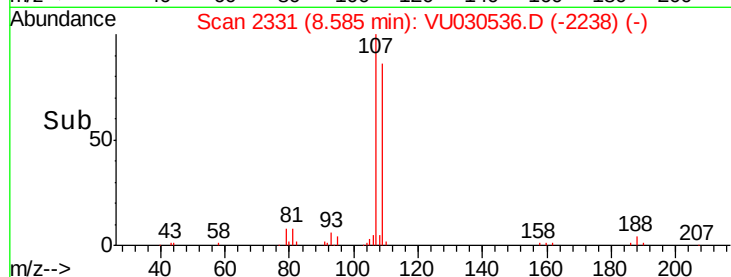
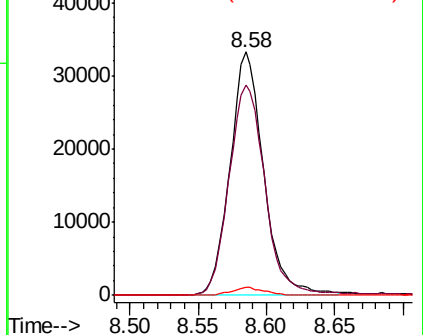
#50
1,2-Dibromoethane
Concen: 4.929 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

Instrument :
MSVOA_U
ClientSampleId :
VICV06

Tgt Ion:107 Resp: 57024
Ion Ratio Lower Upper
107 100
109 86.2 65.6 121.8
188 3.6 2.9 4.3

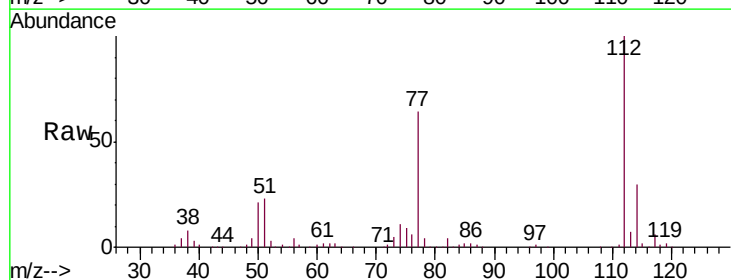


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

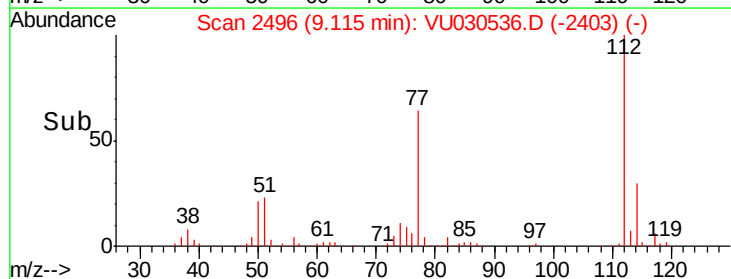
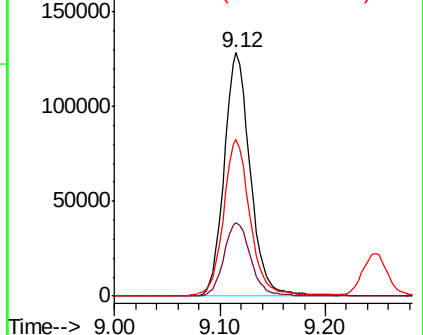


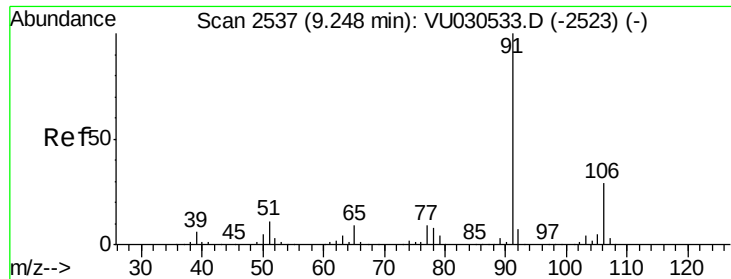
#51
Chlorobenzene
Concen: 4.672 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

Tgt Ion:112 Resp: 218551
Ion Ratio Lower Upper
112 100
114 30.1 22.3 41.5
77 64.1 51.0 76.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.880 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

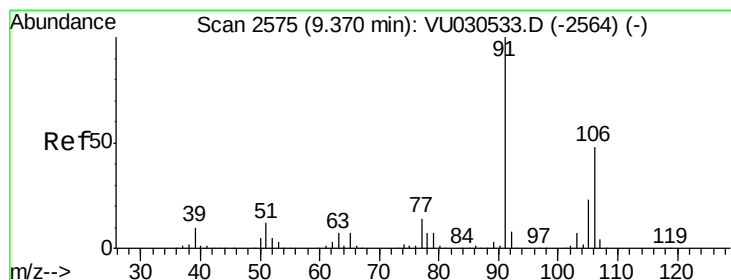
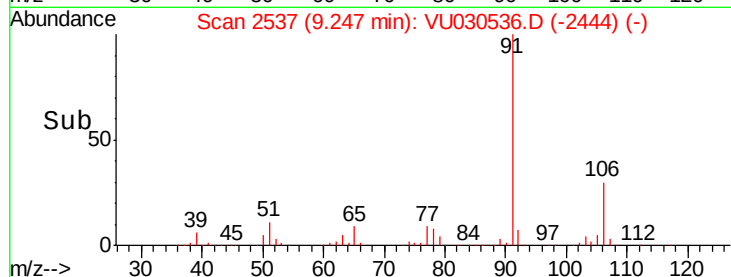
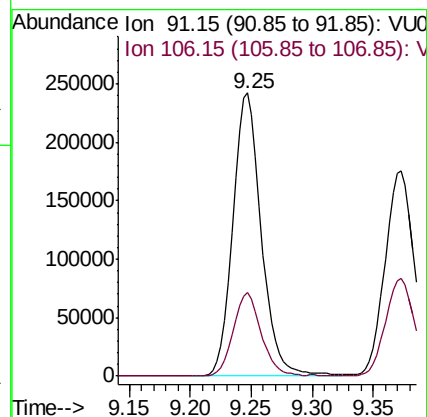
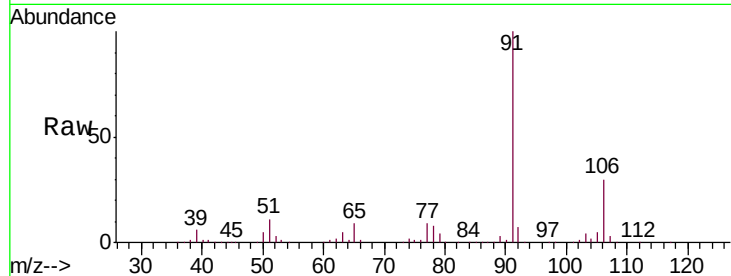
VICV06

Tgt Ion: 91 Resp: 394803

Ion Ratio Lower Upper

91 100

106 29.5 20.2 37.4



#53

m,p-Xylene

Concen: 5.002 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030536.D

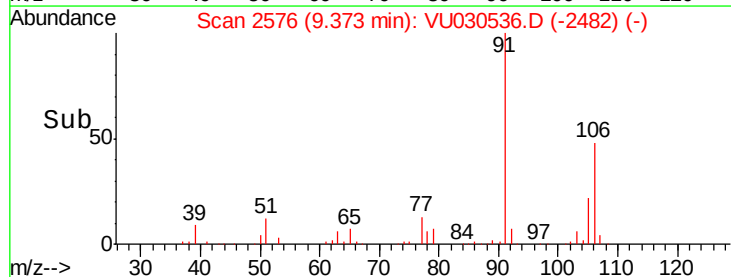
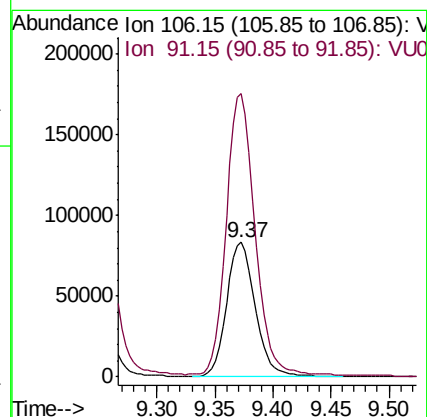
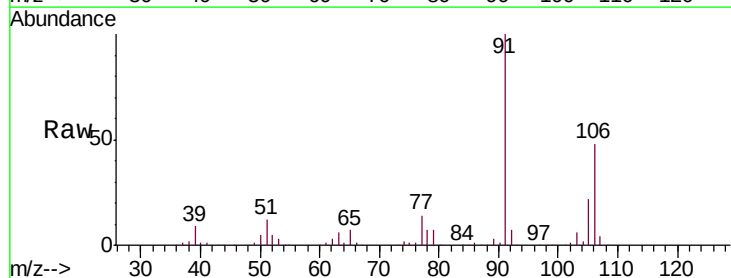
Acq: 29 Mar 2019 11:13

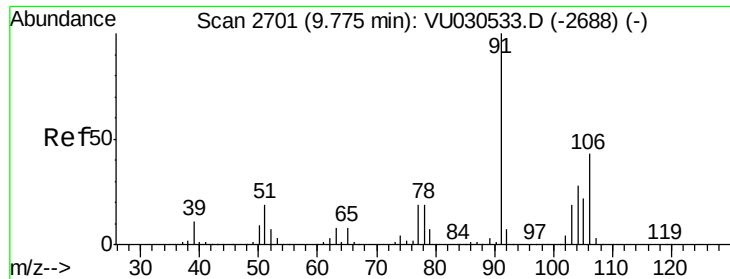
Tgt Ion: 106 Resp: 141346

Ion Ratio Lower Upper

106 100

91 210.4 147.4 273.8

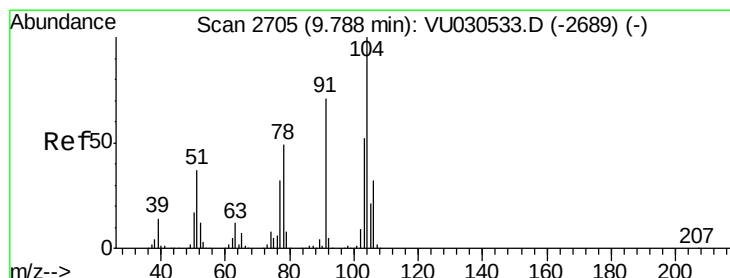
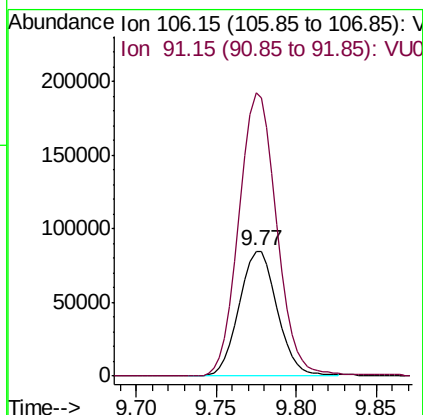
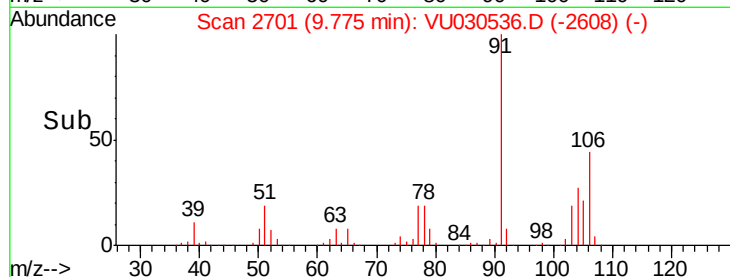
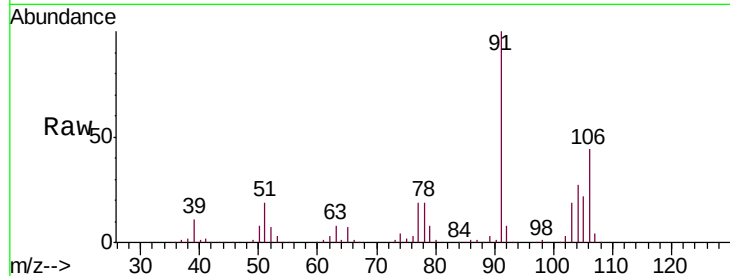




#54
o-Xylene
Concen: 4.973 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

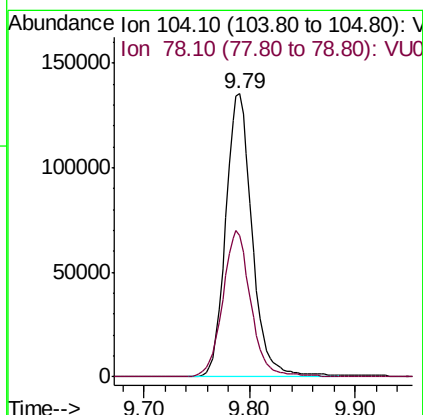
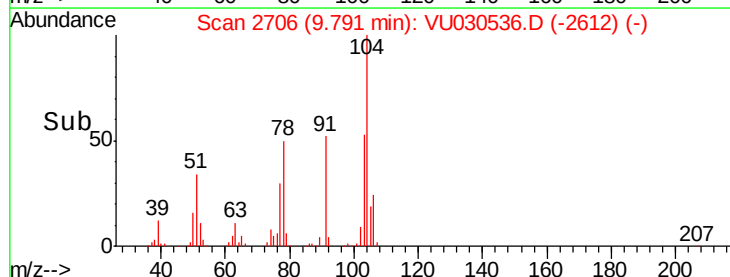
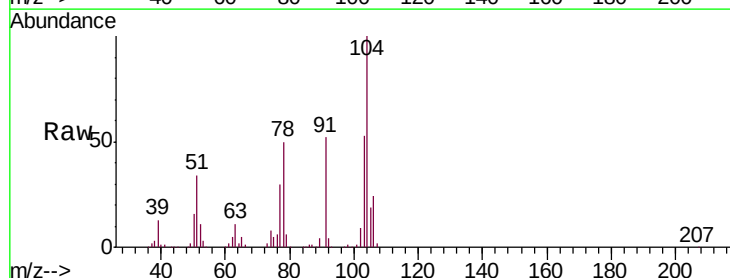
Instrument :
MSVOA_U
ClientSampleId :
VICV06

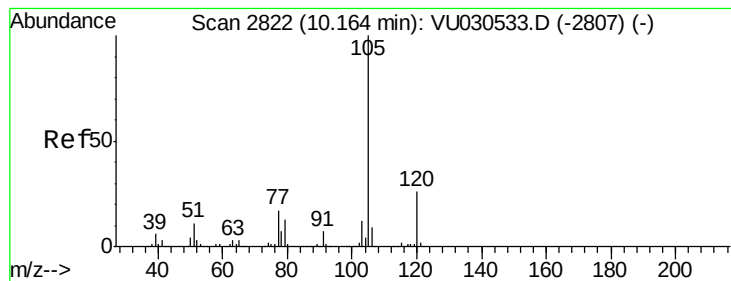
Tgt Ion:106 Resp: 137811
Ion Ratio Lower Upper
106 100
91 226.3 161.3 299.7



#55
Styrene
Concen: 5.023 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU030536.D
Acq: 29 Mar 2019 11:13

Tgt Ion:104 Resp: 234867
Ion Ratio Lower Upper
104 100
78 49.9 34.4 63.8





#56

Isopropylbenzene

Concen: 4.930 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

VICV06

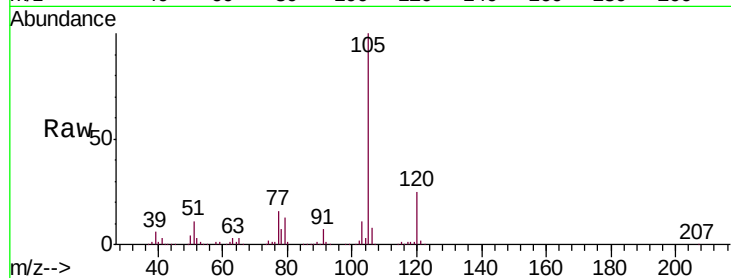
Tgt Ion:105 Resp: 364949

Ion Ratio Lower Upper

105 100

120 24.8 20.5 30.7

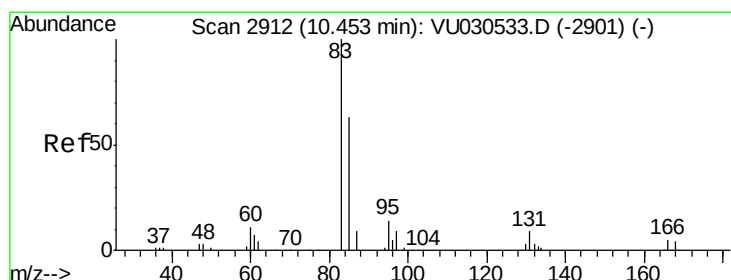
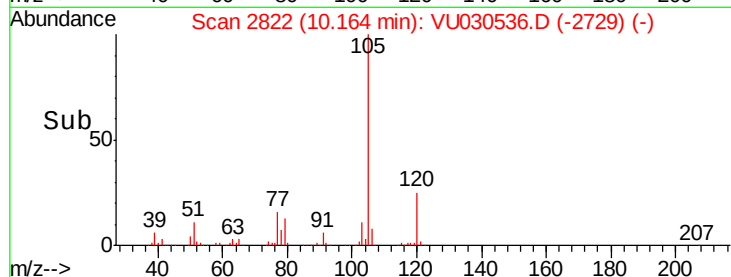
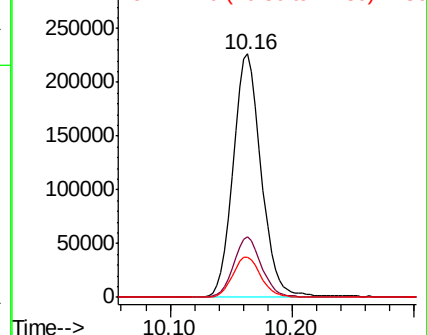
77 16.8 13.8 20.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.706 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

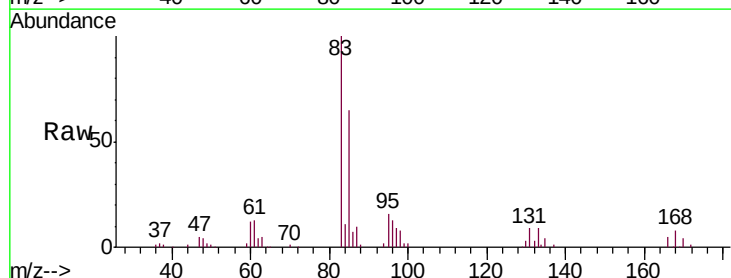
Tgt Ion: 83 Resp: 77655

Ion Ratio Lower Upper

83 100

85 64.8 44.4 82.5

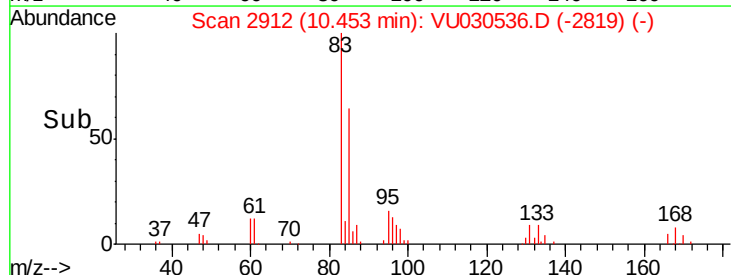
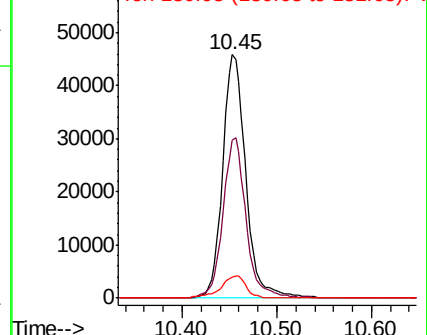
131 8.6 7.4 11.2

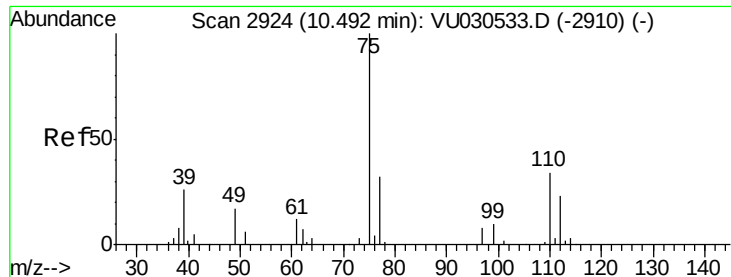


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

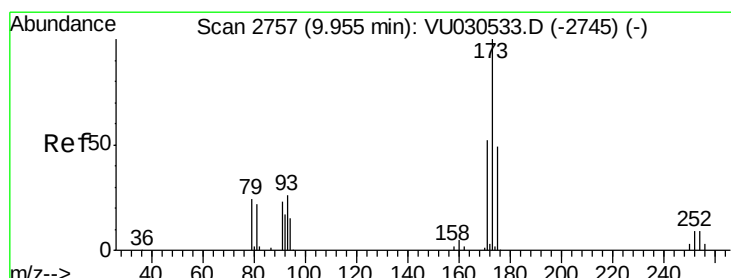
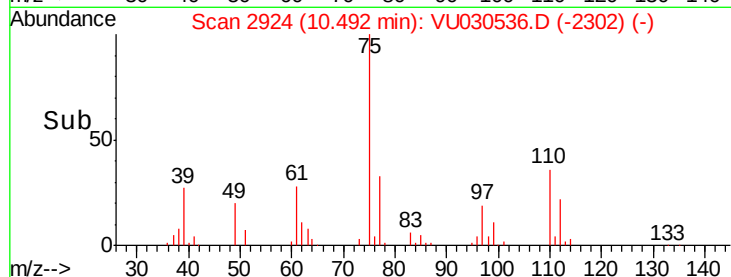
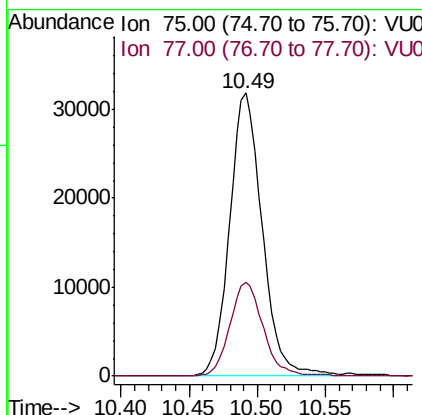
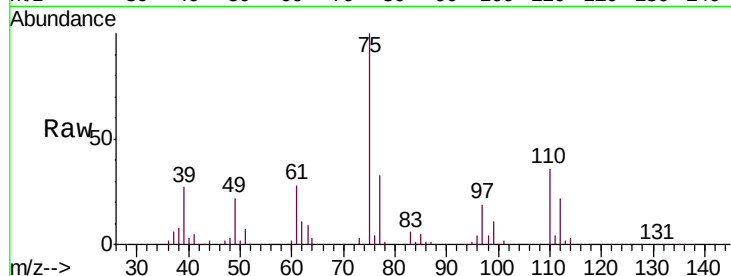




#59
 1,2,3-Trichloropropane
 Concen: 4.550 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU030536.D
 Acq: 29 Mar 2019 11:13

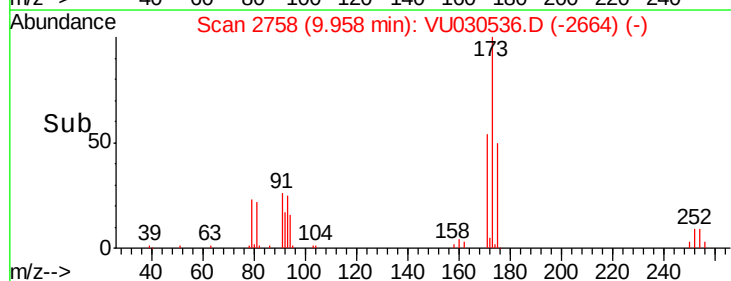
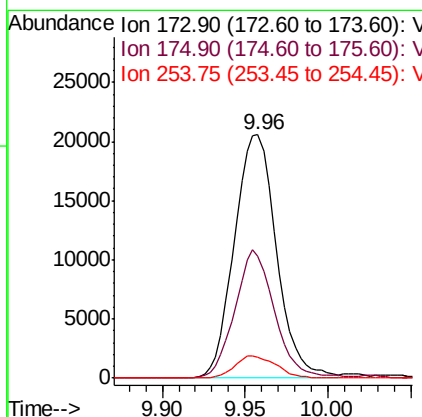
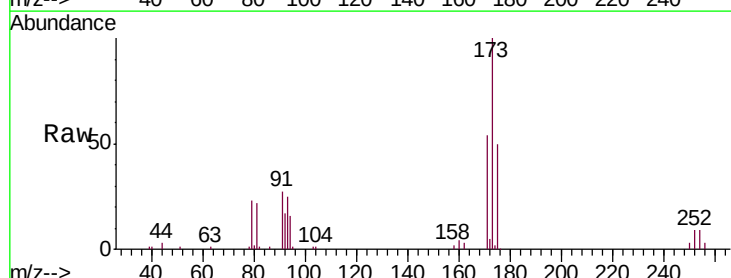
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV06

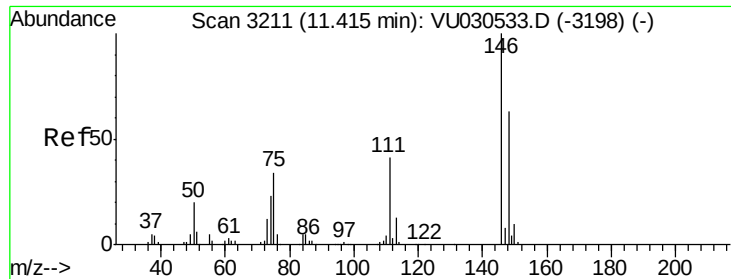
Tgt Ion: 75 Resp: 52919
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.6 38.4



#61
 Bromoform
 Concen: 4.573 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU030536.D
 Acq: 29 Mar 2019 11:13

Tgt Ion: 173 Resp: 36473
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.6 58.0
 254 8.8 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 4.794 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

Instrument :

MSVOA_U

ClientSampleId :

VICV06

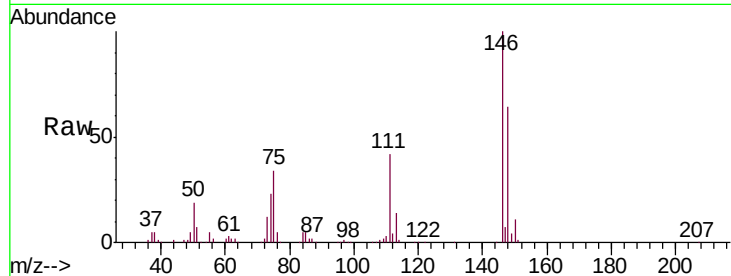
Tgt Ion:146 Resp: 159286

Ion Ratio Lower Upper

146 100

111 42.4 28.9 53.7

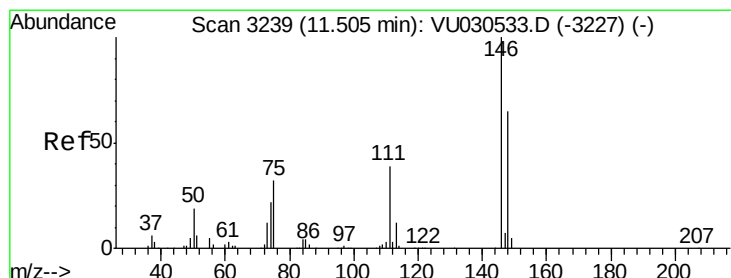
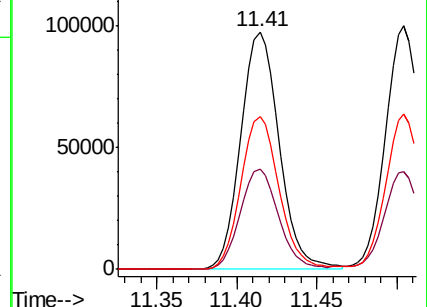
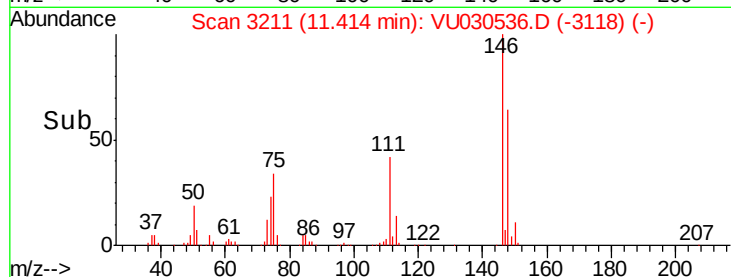
148 64.4 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.699 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030536.D

Acq: 29 Mar 2019 11:13

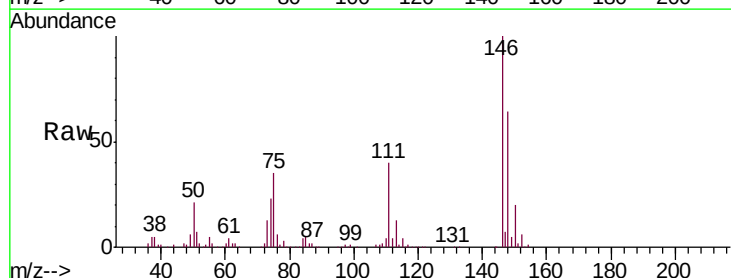
Tgt Ion:146 Resp: 163694

Ion Ratio Lower Upper

146 100

111 40.4 27.9 51.9

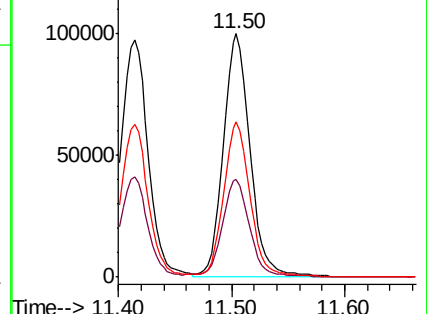
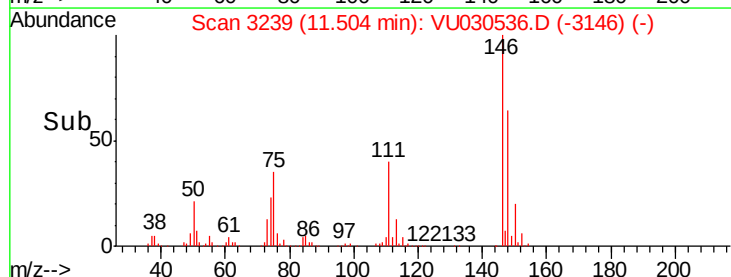
148 63.8 45.4 84.4

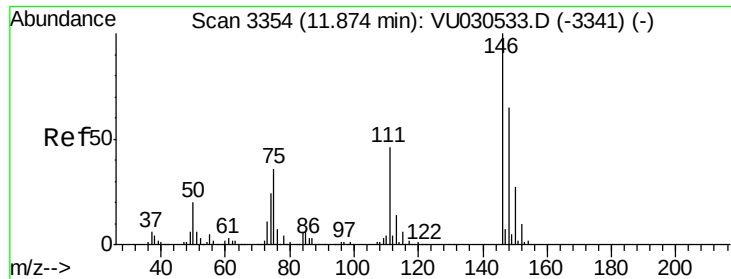


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

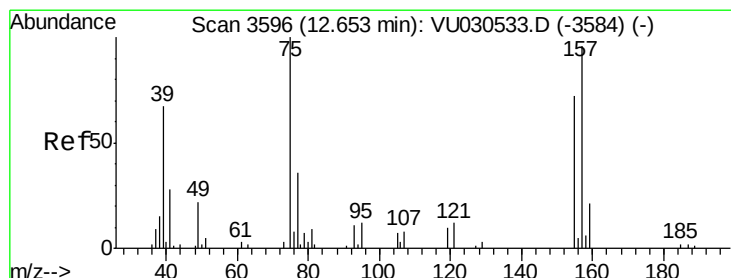
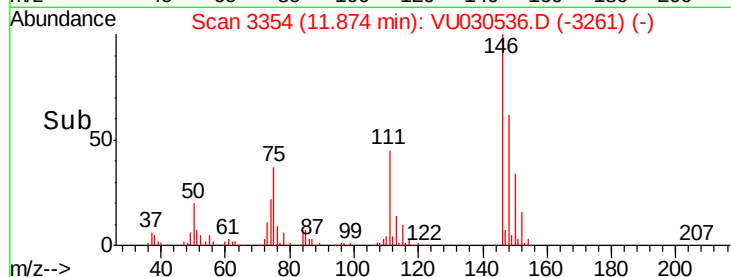
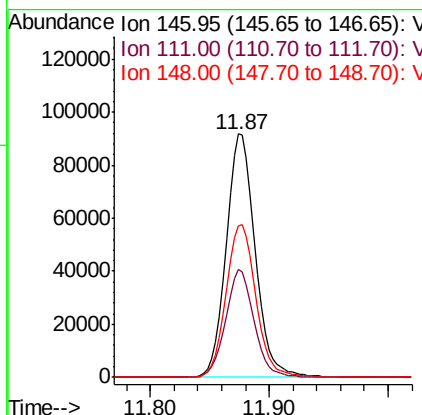
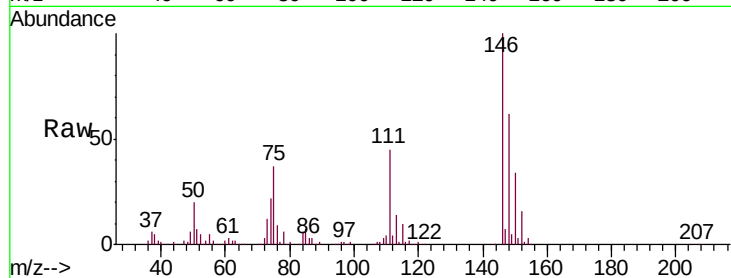




#65
 1,2-Dichlorobenzene
 Concen: 4.790 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030536.D
 Acq: 29 Mar 2019 11:13

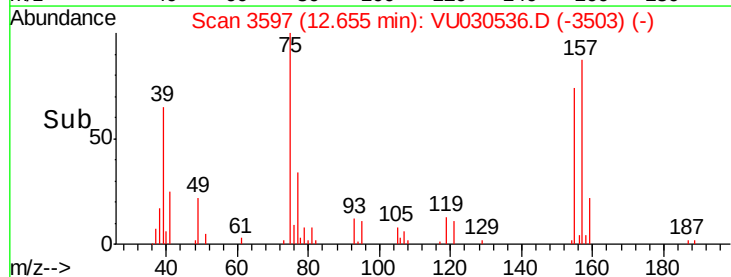
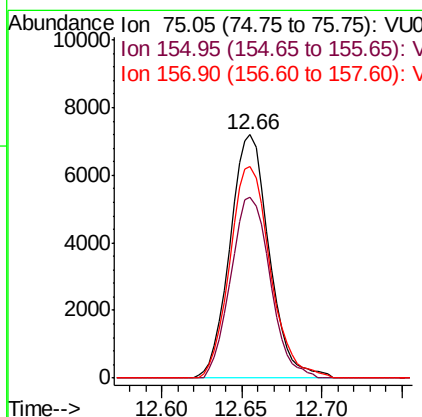
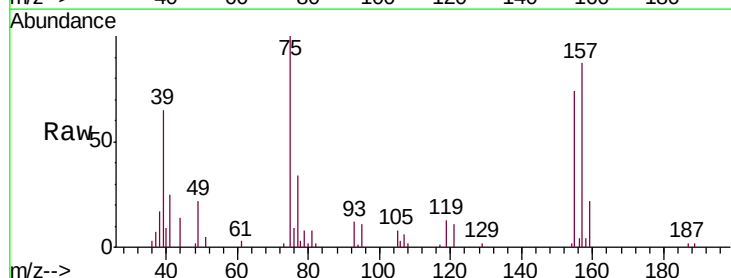
Instrument :
 MSVOA_U
 ClientSampled :
 VICV06

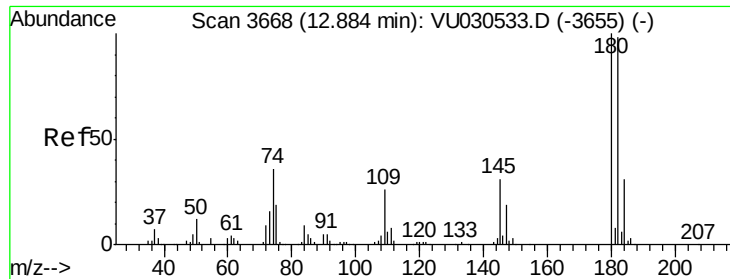
Tgt Ion:146 Resp: 154890
 Ion Ratio Lower Upper
 146 100
 111 44.6 37.1 55.7
 148 62.3 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.807 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU030536.D
 Acq: 29 Mar 2019 11:13

Tgt Ion: 75 Resp: 12026
 Ion Ratio Lower Upper
 75 100
 155 74.4 57.7 86.5
 157 87.1 76.9 115.3

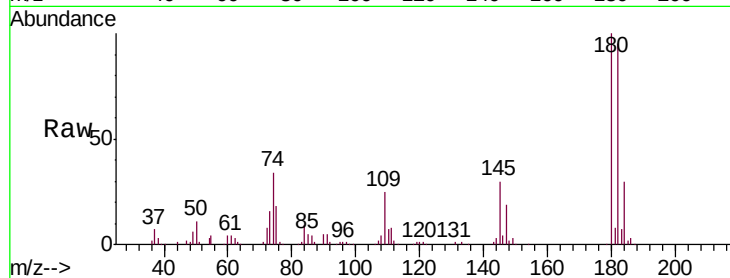




#67
 1,3,5-Trichlorobenzene
 Concen: 5.044 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030536.D
 Acq: 29 Mar 2019 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.2
184	30.3	24.2	36.2
145	29.8	24.1	36.1



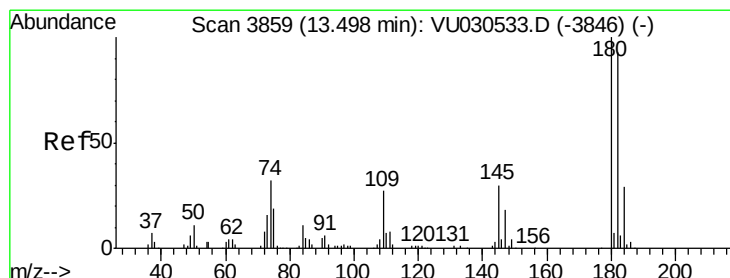
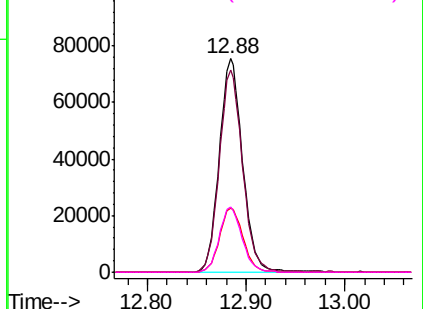
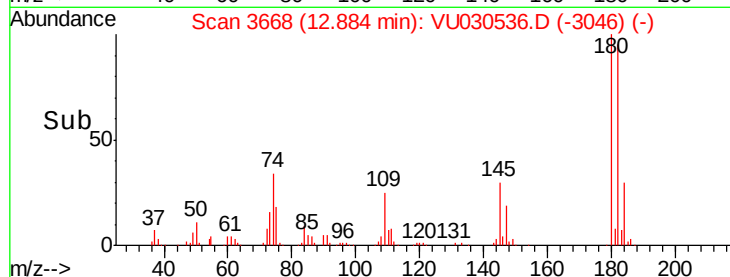
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

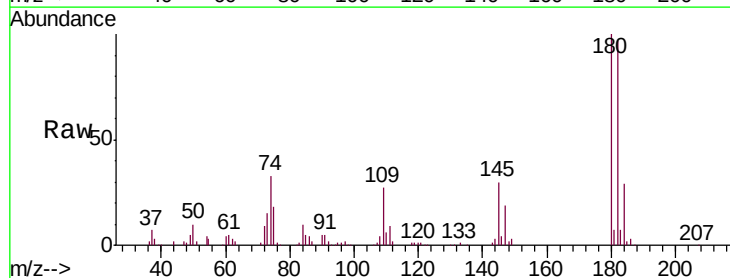
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.378 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030536.D
 Acq: 29 Mar 2019 11:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	74.6	111.8
145	30.3	23.6	35.4



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

