

Data File : VU031931.D
Acq On : 11 May 2019 15:37
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Quant Time: May 13 01:58:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon May 13 01:54:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1077508	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1082640	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	480543	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	387342	42.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.90%
7) Chloroethane-d5	1.67	69	337657	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.90%
11) 1,1-Dichloroethene-d2	2.27	63	744539	41.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.92%
21) 2-Butanone-d5	4.17	46	718297	87.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.91%
24) Chloroform-d	4.64	84	732895	44.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.76%
26) 1,2-Dichloroethane-d4	5.30	65	461084	42.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.46%
32) Benzene-d6	5.33	84	1469592	44.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.32	67	491437	42.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.04%
41) Toluene-d8	7.56	98	1329197	45.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.85	79	217930	43.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.82%
47) 2-Hexanone-d5	8.31	63	484436	95.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	748661	47.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.38%
64) 1,2-Dichlorobenzene-d4	11.85	152	469087	46.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.84%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	510686	43.101	ug/L	100
3) Chloromethane	1.32	50	581264	40.546	ug/L	99
5) Vinyl chloride	1.40	62	596266	44.488	ug/L	100
6) Bromomethane	1.61	94	330379	46.742	ug/L	96
8) Chloroethane	1.69	64	351031	47.913	ug/L	98
9) Trichlorofluoromethane	1.88	101	652831	42.728	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	379526	43.941	ug/L	98
12) 1,1-Dichloroethene	2.28	96	383691	45.640	ug/L	86
13) Acetone	2.32	43	563515	61.227	ug/L	95
14) Carbon disulfide	2.47	76	1204964	43.193	ug/L	99
16) Methylene chloride	2.69	84	461500	46.517	ug/L	92
17) trans-1,2-Dichloroethene	2.98	96	398402	45.481	ug/L	93
18) Methyl tert-butyl Ether	2.99	73	1309812	46.932	ug/L	96
19) 1,1-Dichloroethane	3.44	63	811177	43.970	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	452377	48.143	ug/L	95
22) 2-Butanone	4.25	43	778910	76.388	ug/L	88
23) Bromochloromethane	4.54	128	216172	47.344	ug/L	85

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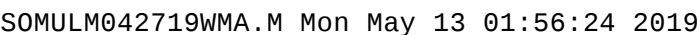
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

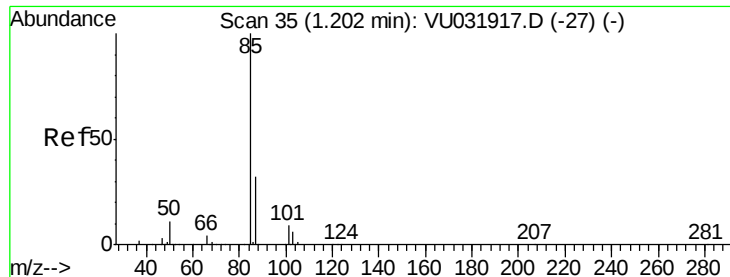
Quant Time: May 13 01:58:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon May 13 01:54:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.67	83	777292	44.061	ug/L	97
27) 1,2-Dichloroethane	5.40	62	616163	43.000	ug/L	100
29) Cyclohexane	4.99	56	729402	42.569	ug/L	92
30) 1,1,1-Trichloroethane	4.91	97	616019	40.611	ug/L	100
31) Carbon tetrachloride	5.13	117	513503	39.606	ug/L	99
33) Benzene	5.38	78	1800139	45.225	ug/L	100
34) Trichloroethene	6.18	95	439953	45.597	ug/L	97
35) Methylcyclohexane	6.41	83	685351	47.396	ug/L	93
37) 1,2-Dichloropropane	6.43	63	487933	43.179	ug/L	100
38) Bromodichloromethane	6.75	83	580737	42.386	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	693342	46.434	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1418855	81.611	ug/L	94
42) Toluene	7.63	91	1907128	48.099	ug/L	96
44) trans-1,3-Dichloropropene	7.87	75	615850	45.474	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	435841	46.785	ug/L	99
46) Tetrachloroethene	8.22	164	295150	44.870	ug/L	98
48) 2-Hexanone	8.36	43	1160976	82.565	ug/L #	95
49) Dibromochloromethane	8.47	129	424565	43.802	ug/L	97
50) 1,2-Dibromoethane	8.58	107	457993	46.550	ug/L	100
51) Chlorobenzene	9.12	112	1116759	47.662	ug/L	97
52) Ethylbenzene	9.24	91	2015365	49.000	ug/L	98
53) m,p-Xylene	9.37	106	732758	51.134	ug/L	93
54) o-xylene	9.77	106	742616	52.272	ug/L	93
55) Styrene	9.79	104	1281977	52.817	ug/L	96
56) Isopropylbenzene	10.16	105	1890064	50.593	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	783247	47.381	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	610574	45.573	ug/L	99
61) Bromoform	9.95	173	306984	43.096	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	782934	49.220	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	798828	48.491	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	830992	49.155	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	168400	42.920	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	559240	46.940	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	463758	49.169	ug/L	99
69) Naphthalene	13.74	128	1772986	55.133	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	524635	48.857	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 43.101 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031931.D

Acq: 11 May 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

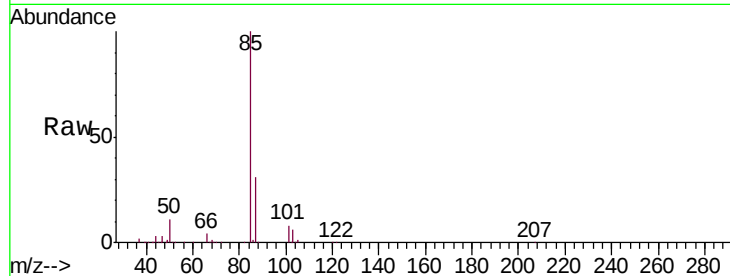
VSTD05043

Tgt Ion: 85 Resp: 510686

Ion Ratio Lower Upper

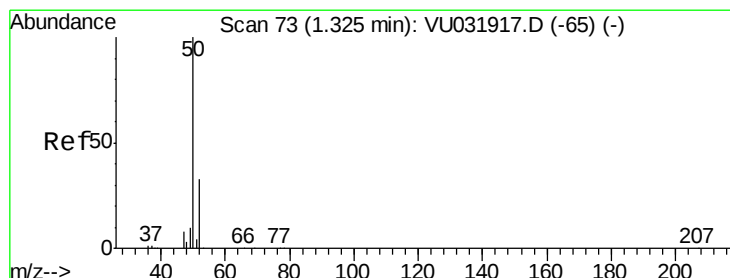
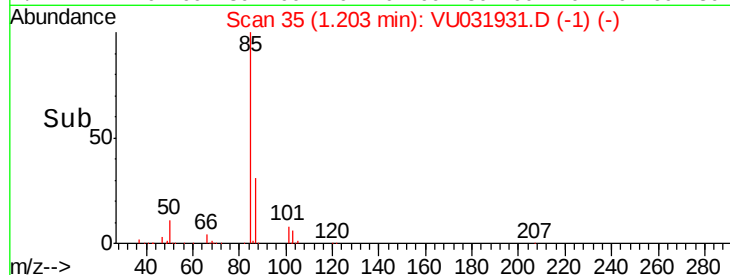
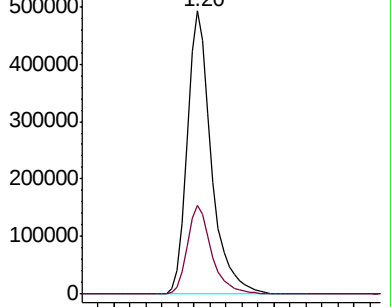
85 100

87 31.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 40.546 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031931.D

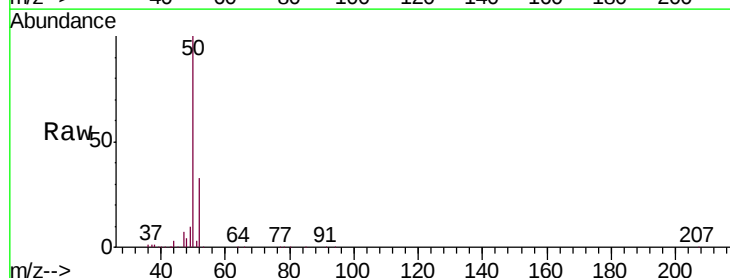
Acq: 11 May 2019 15:37

Tgt Ion: 50 Resp: 581264

Ion Ratio Lower Upper

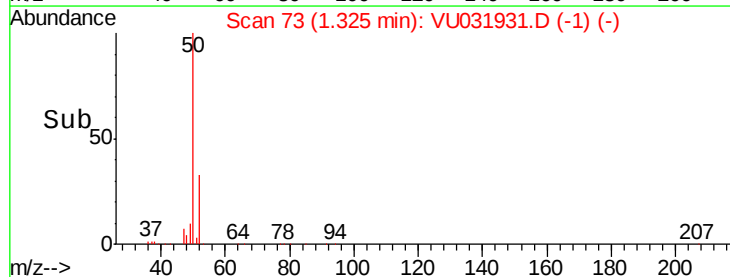
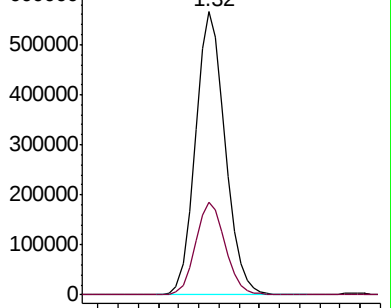
50 100

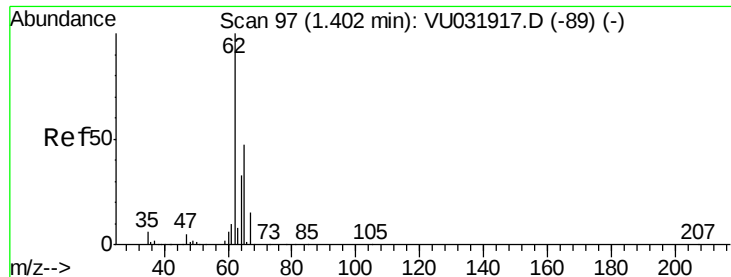
52 32.7 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 44.488 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031931.D

Acq: 11 May 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

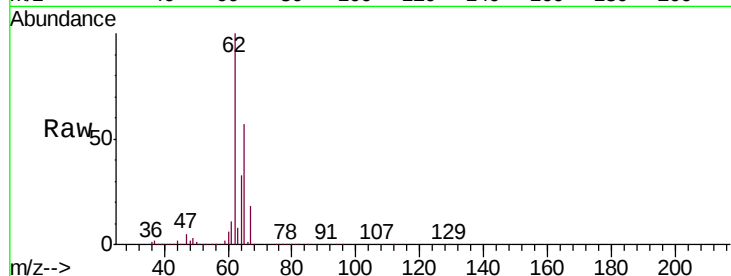
VSTD05043

Tgt Ion: 62 Resp: 596266

Ion Ratio Lower Upper

62 100

64 33.1 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031917.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU031917.D (-89) (-)

1.40

600000

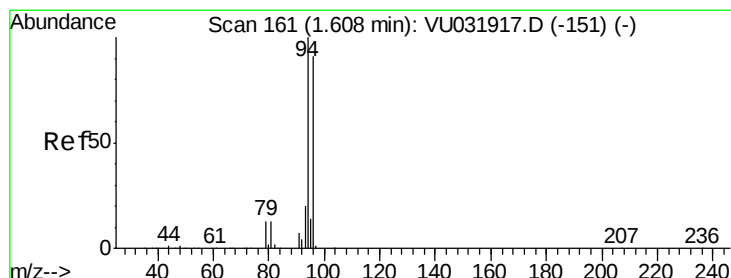
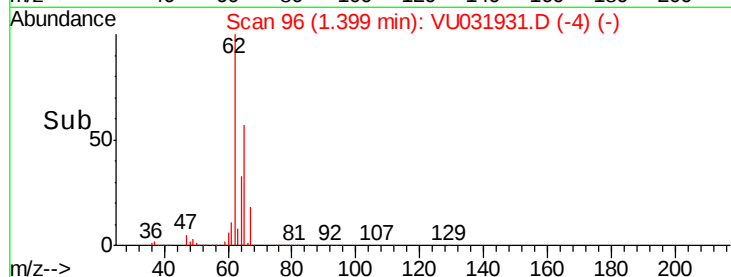
400000

200000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 46.742 ug/L

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU031931.D

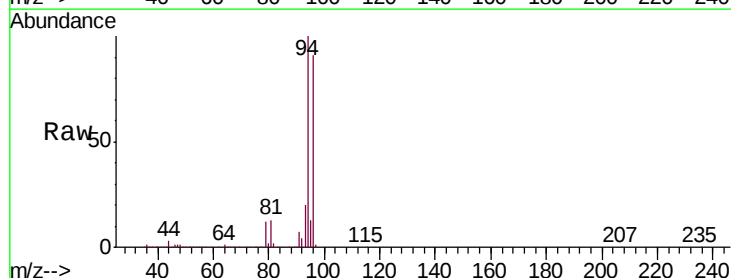
Acq: 11 May 2019 15:37

Tgt Ion: 94 Resp: 330379

Ion Ratio Lower Upper

94 100

96 90.7 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU031917.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU031917.D (-151) (-)

1.61

300000

250000

200000

150000

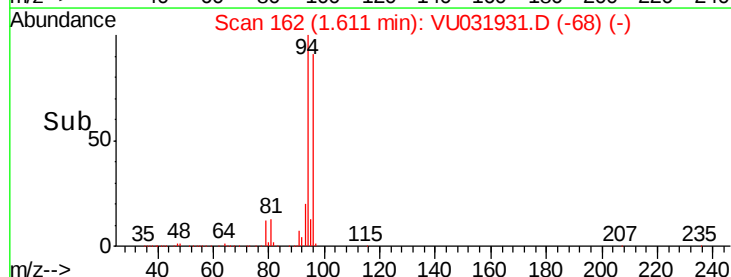
100000

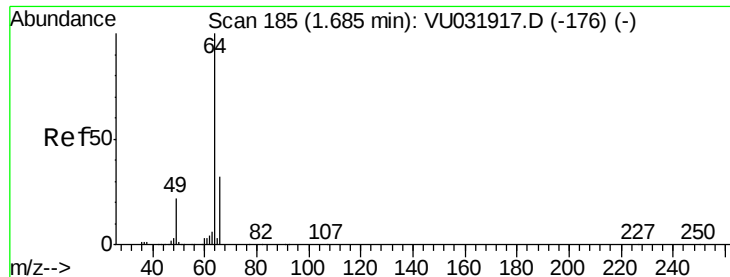
50000

0

1.55 1.60 1.65

Time-->





#8

Chloroethane

Concen: 47.913 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU031931.D

Acq: 11 May 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

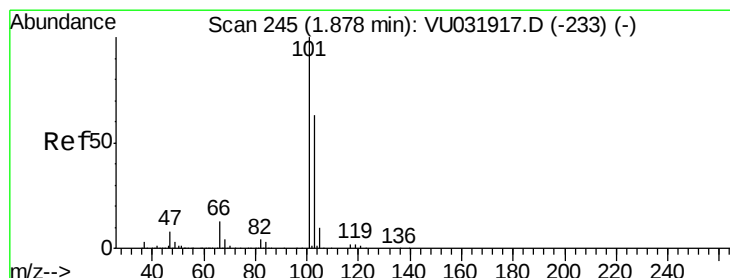
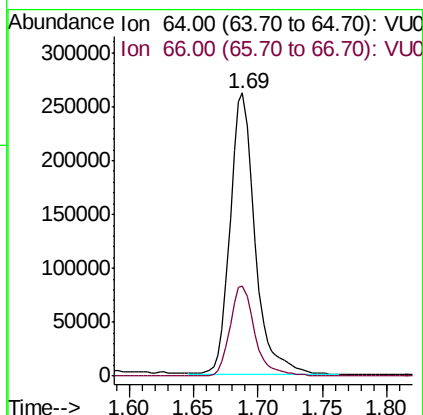
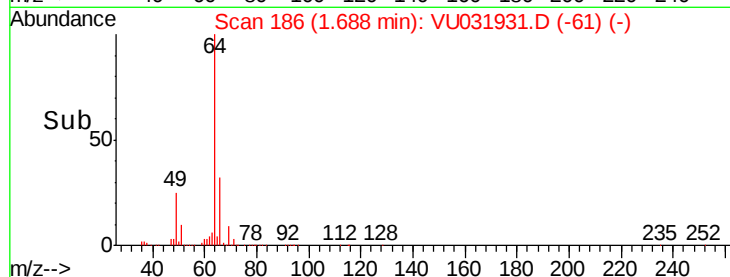
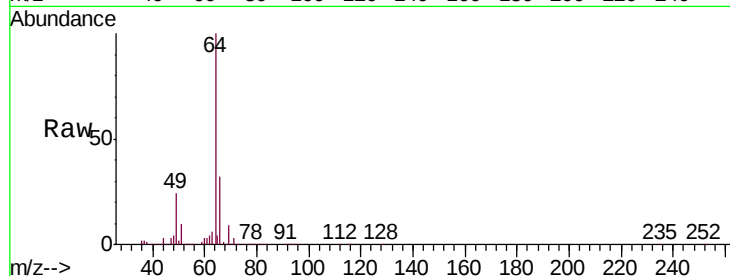
VSTD05043

Tgt Ion: 64 Resp: 351031

Ion Ratio Lower Upper

64 100

66 31.9 23.2 43.0



#9

Trichlorofluoromethane

Concen: 42.728 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU031931.D

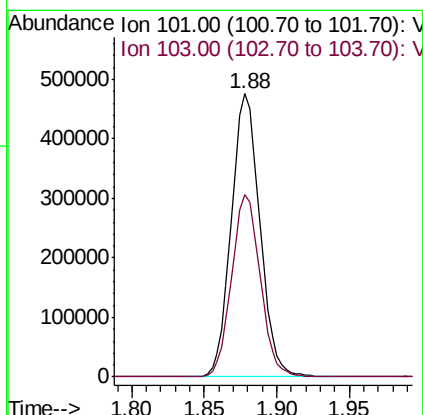
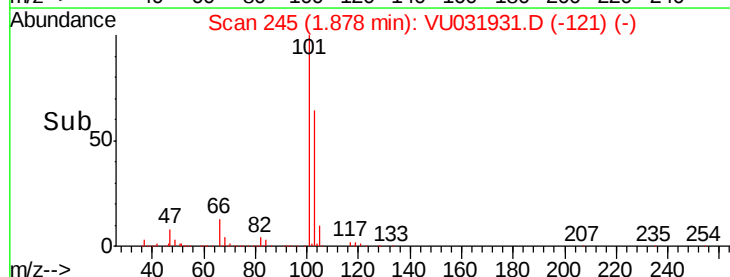
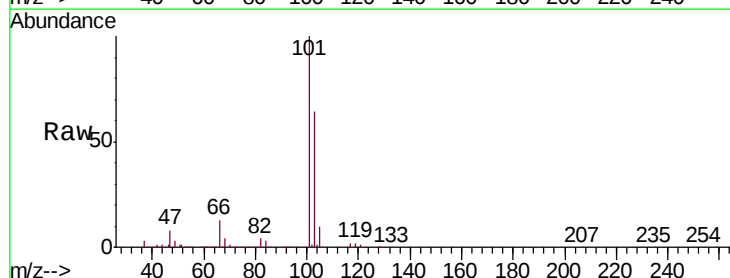
Acq: 11 May 2019 15:37

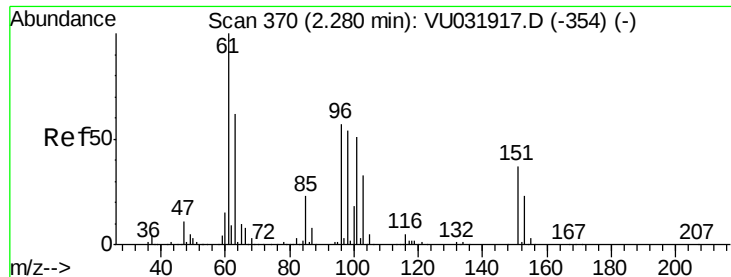
Tgt Ion: 101 Resp: 652831

Ion Ratio Lower Upper

101 100

103 64.3 50.8 76.2





#10

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

Concen: 43.941 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031931.D

Acq: 11 May 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

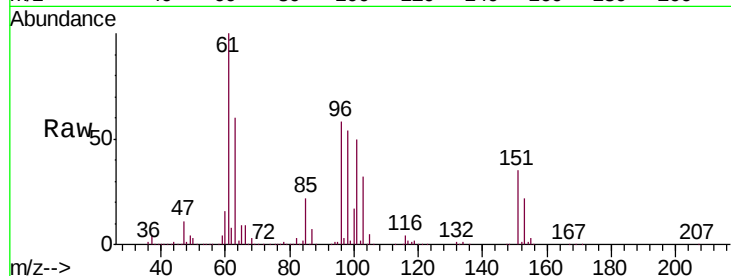
Tgt Ion: 101 Resp: 379526

Ion Ratio Lower Upper

101 100

85 43.2 36.1 54.1

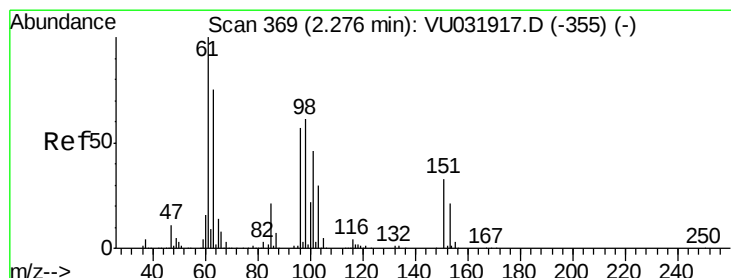
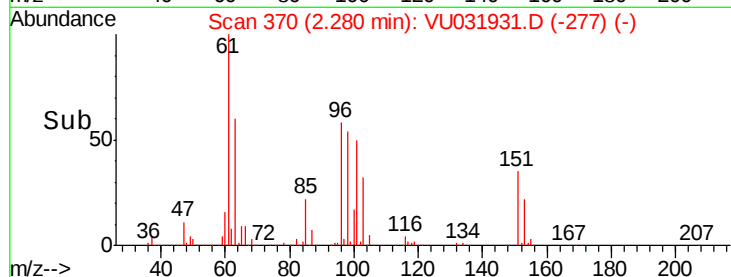
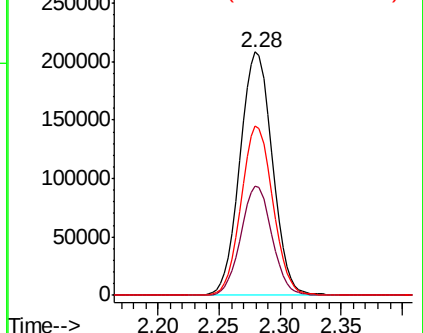
151 68.4 56.1 84.1



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: 45.640 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU031931.D

Acq: 11 May 2019 15:37

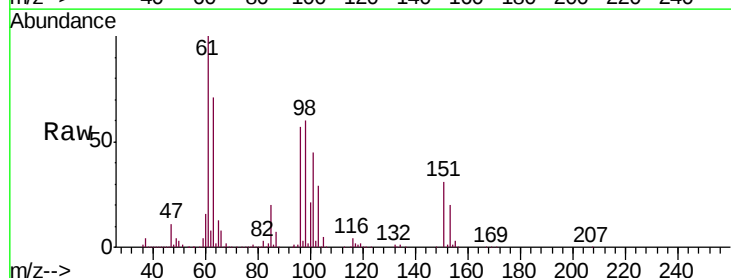
Tgt Ion: 96 Resp: 383691

Ion Ratio Lower Upper

96 100

61 176.1 135.0 250.6

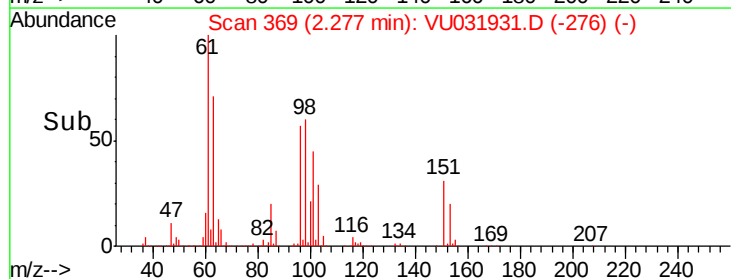
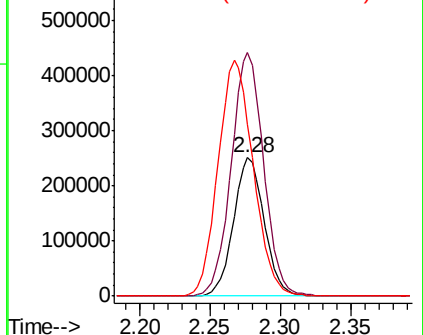
63 124.7 103.5 192.3

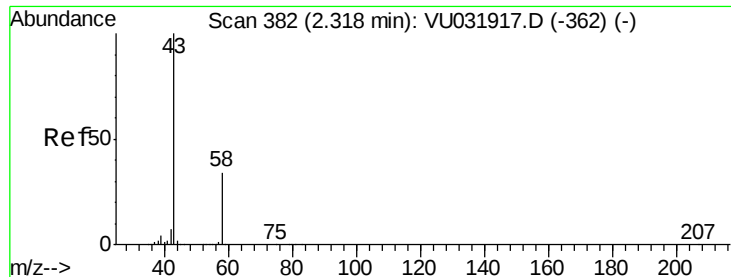


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 61.227 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031931.D

Acq: 11 May 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

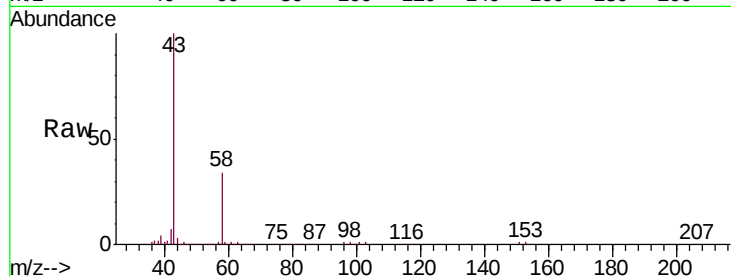
VSTD05043

Tgt Ion: 43 Resp: 563515

Ion Ratio Lower Upper

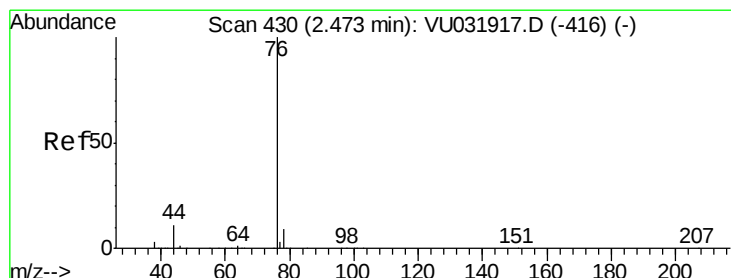
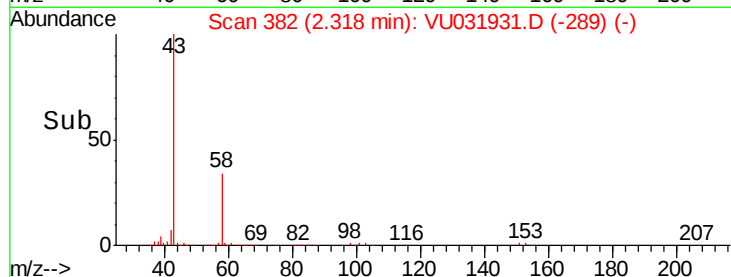
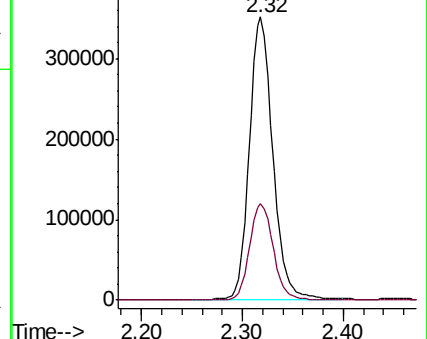
43 100

58 34.7 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031917.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU031917.D (-362) (-)



#14

Carbon disulfide

Concen: 43.193 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU031931.D

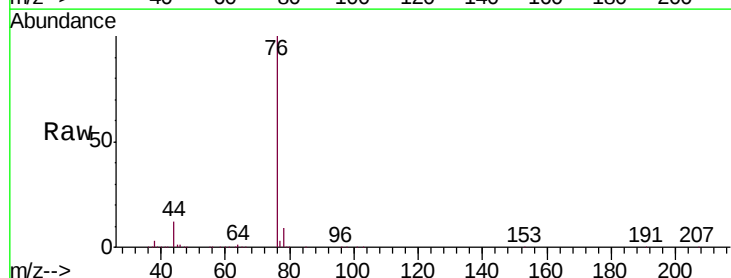
Acq: 11 May 2019 15:37

Tgt Ion: 76 Resp: 1204964

Ion Ratio Lower Upper

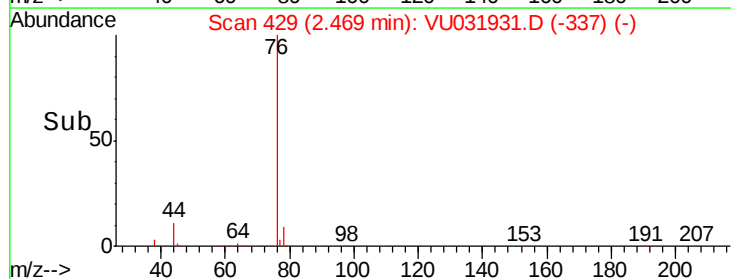
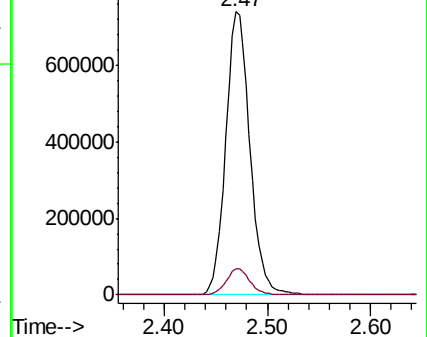
76 100

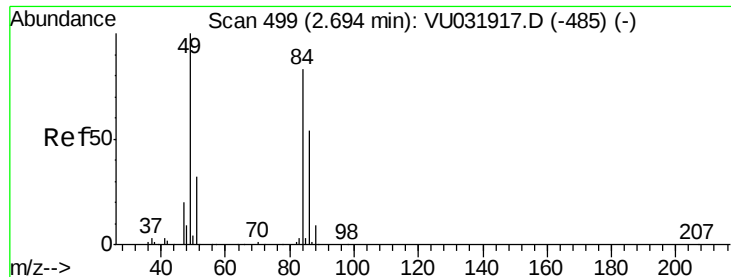
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU031917.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031917.D (-416) (-)

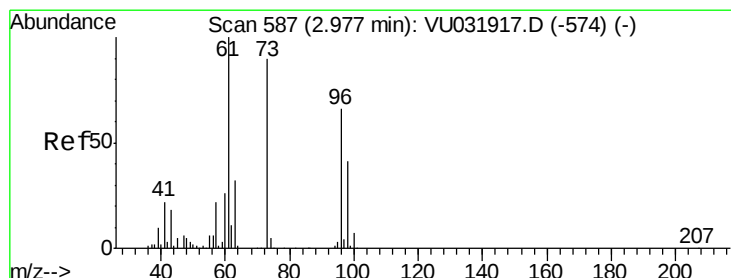
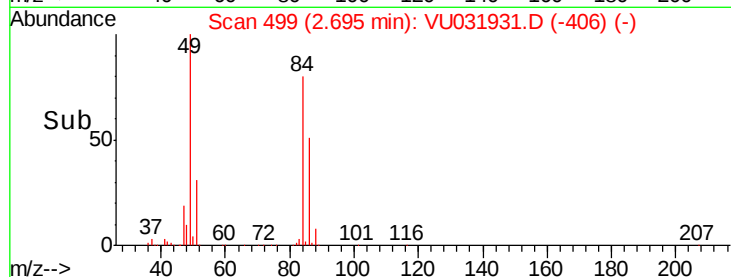
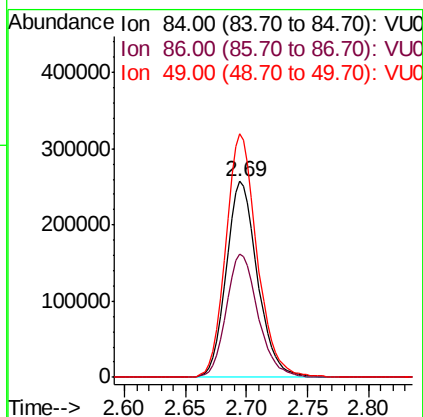
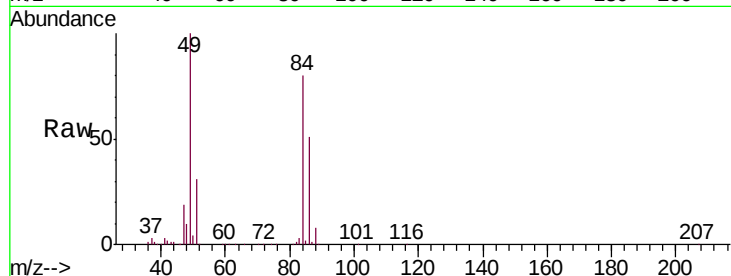




#16
Methylene chloride
Concen: 46.517 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU031931.D
Acq: 11 May 2019 15:37

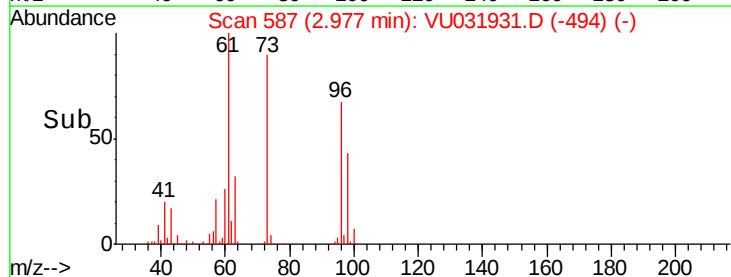
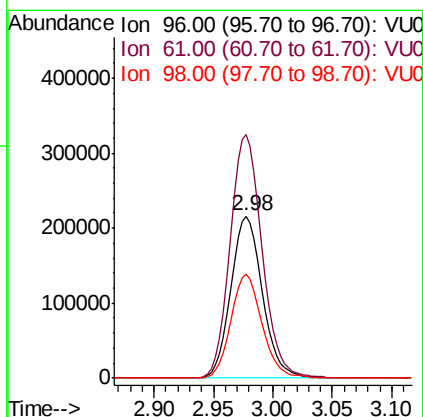
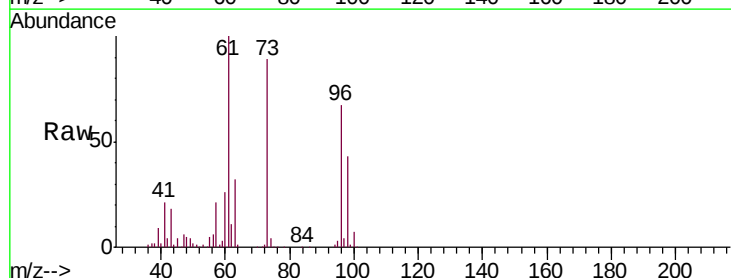
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

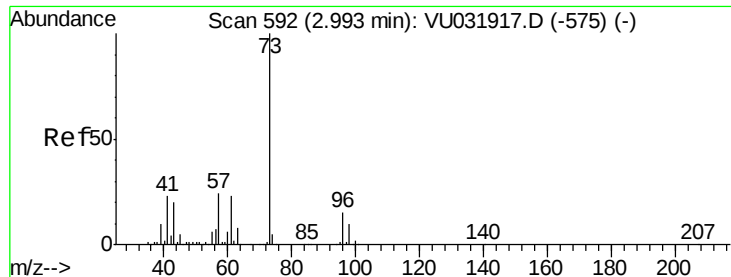
Tgt Ion: 84 Resp: 461500
Ion Ratio Lower Upper
84 100
86 63.1 44.7 83.1
49 124.4 96.5 179.3



#17
trans-1,2-Dichloroethene
Concen: 45.481 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU031931.D
Acq: 11 May 2019 15:37

Tgt Ion: 96 Resp: 398402
Ion Ratio Lower Upper
96 100
61 150.3 114.5 212.7
98 64.0 45.4 84.2

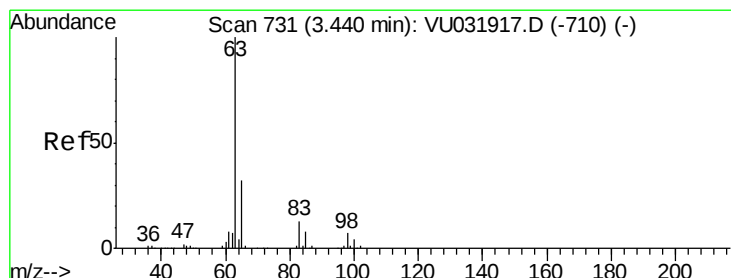
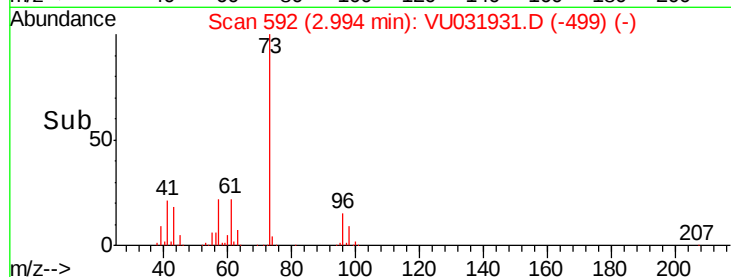
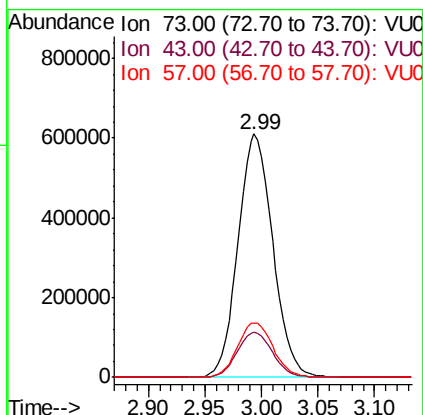
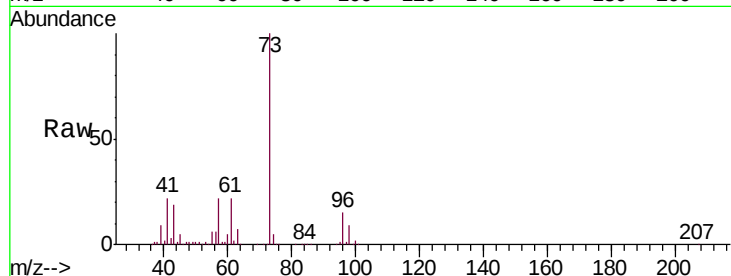




#18
Methyl tert-butyl Ether
Concen: 46.932 ug/L
RT: 2.99 min Scan# 592
Delta R.T. 0.00 min
Lab File: VU031931.D
Acq: 11 May 2019 15:37

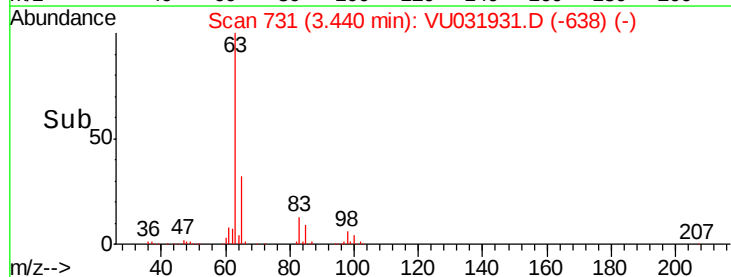
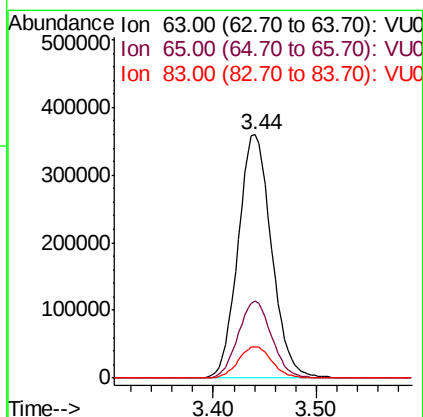
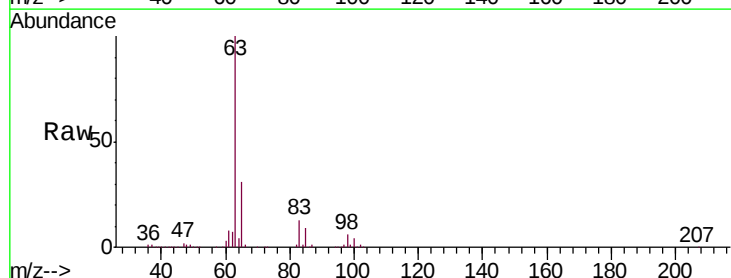
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

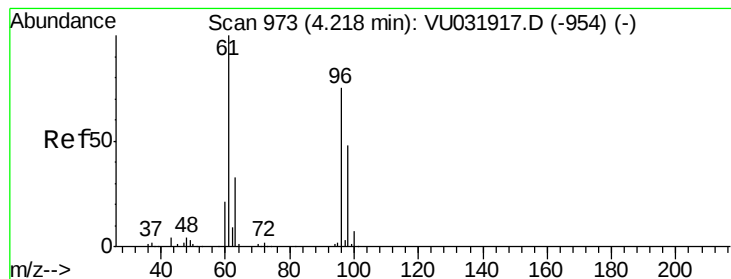
Tgt Ion: 73 Resp: 1309812
Ion Ratio Lower Upper
73 100
43 18.8 17.0 25.4
57 23.0 19.5 29.3



#19
1,1-Dichloroethane
Concen: 43.970 ug/L
RT: 3.44 min Scan# 731
Delta R.T. 0.00 min
Lab File: VU031931.D
Acq: 11 May 2019 15:37

Tgt Ion: 63 Resp: 811177
Ion Ratio Lower Upper
63 100
65 31.5 22.0 40.8
83 12.8 8.8 16.4



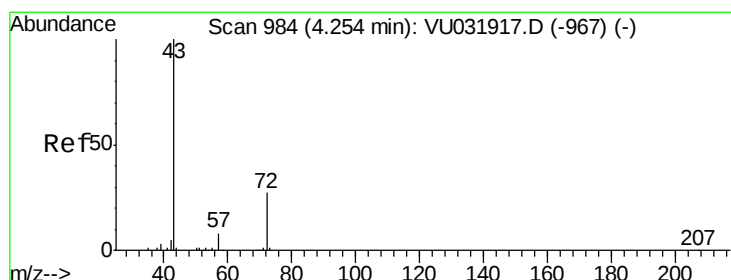
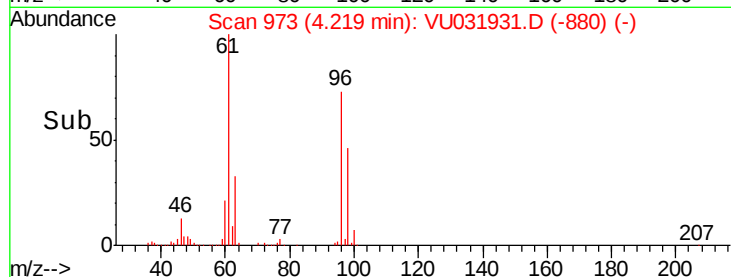
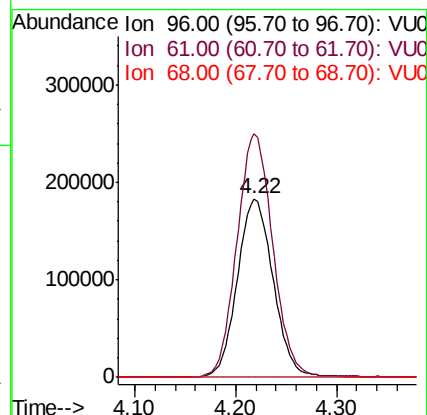
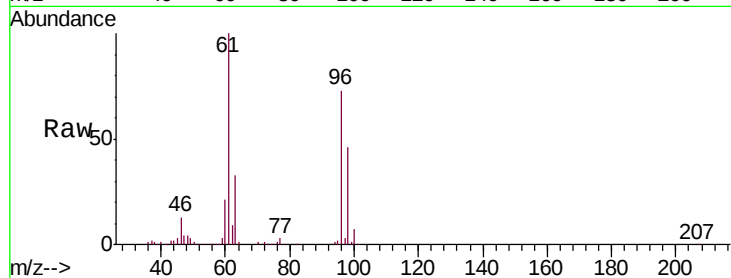


#20

cis-1,2-Dichloroethene
 Concen: 48.143 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031931.D
 Acq: 11 May 2019 15:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

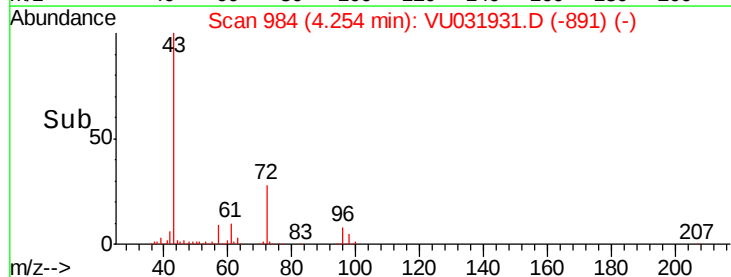
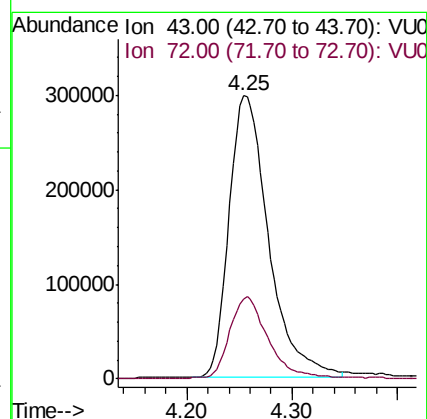
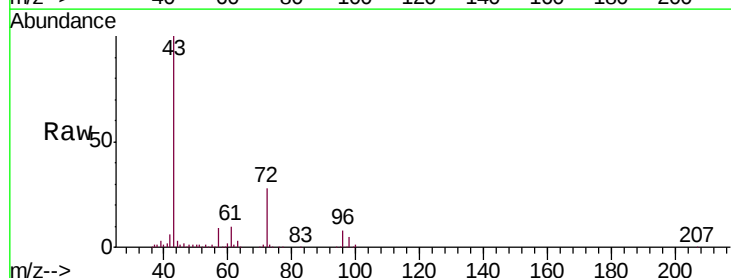
Tgt Ion: 96 Resp: 452377
 Ion Ratio Lower Upper
 96 100
 61 136.2 99.5 184.7
 68 0.0 0.0 0.0

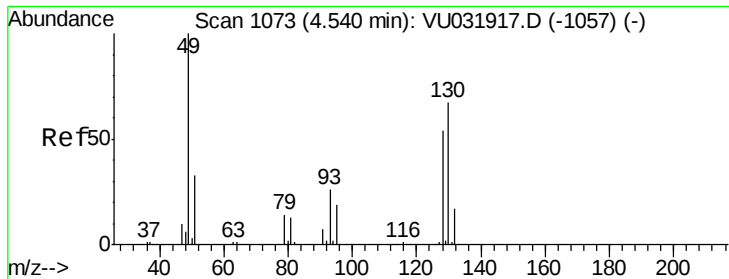


#22

2-Butanone
 Concen: 76.388 ug/L
 RT: 4.25 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VU031931.D
 Acq: 11 May 2019 15:37

Tgt Ion: 43 Resp: 778910
 Ion Ratio Lower Upper
 43 100
 72 28.4 11.4 34.2





#23

Bromochloromethane

Concen: 47.344 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU031931.D

Acq: 11 May 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

Tgt Ion:128 Resp: 216172

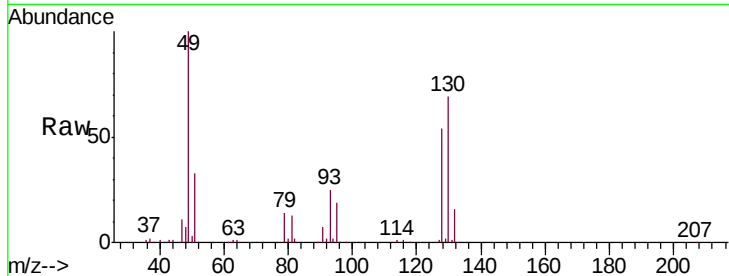
Ion Ratio Lower Upper

128 100

49 183.6 152.6 283.4

130 126.1 93.7 173.9

51 59.8 54.2 81.4

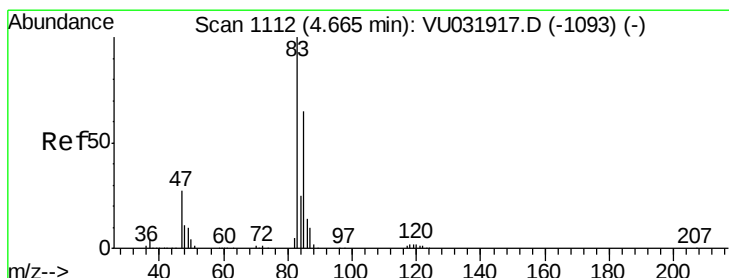
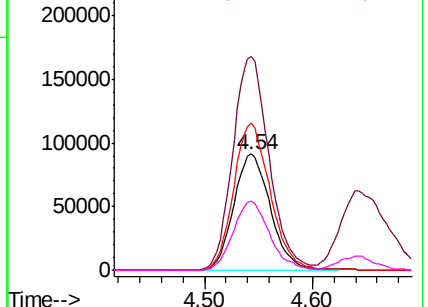
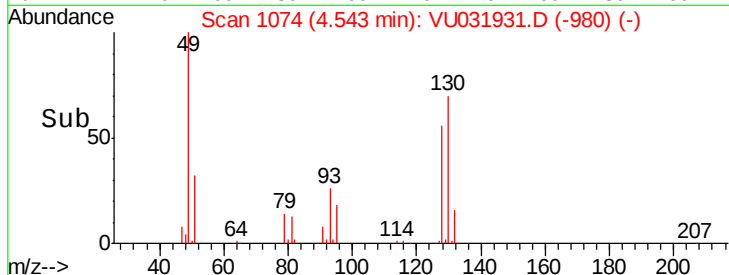


Abundance Ion 128.00 (127.70 to 128.70): V

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: 44.061 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU031931.D

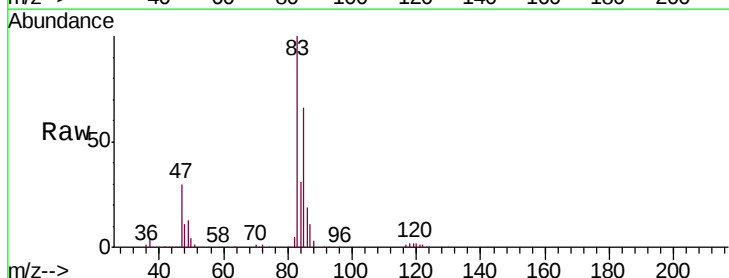
Acq: 11 May 2019 15:37

Tgt Ion: 83 Resp: 777292

Ion Ratio Lower Upper

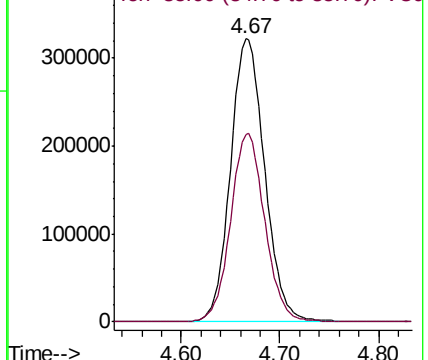
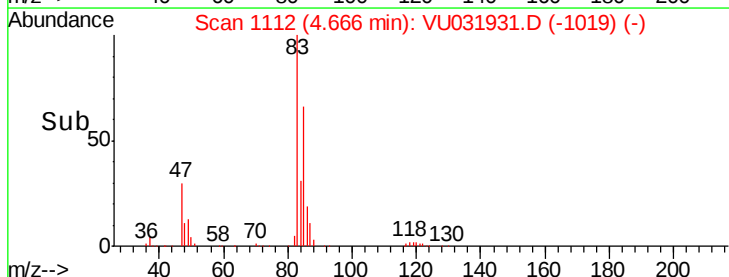
83 100

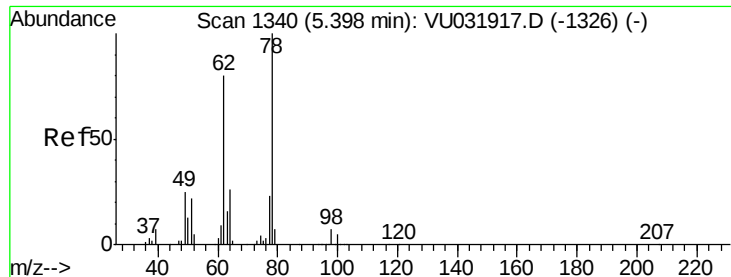
85 66.4 44.9 83.3



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 43.000 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VU031931.D

Acq: 11 May 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

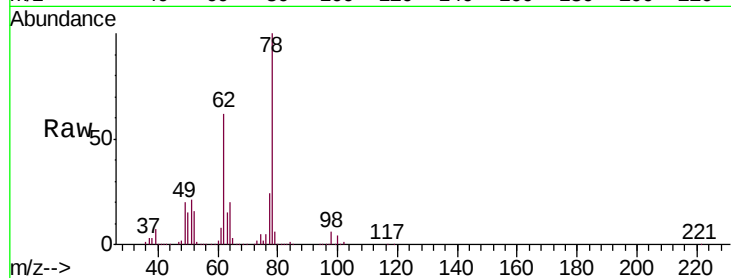
VSTD05043

Tgt Ion: 62 Resp: 616163

Ion Ratio Lower Upper

62 100

98 8.9 7.1 10.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.40

300000

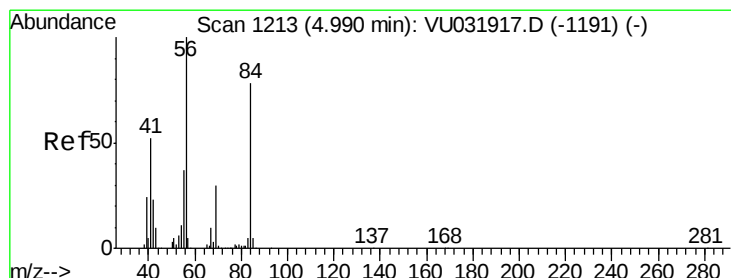
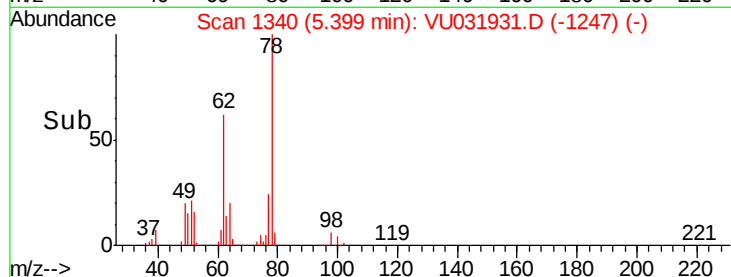
200000

100000

0

5.30 5.40 5.50

Time-->



#29

Cyclohexane

Concen: 42.569 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU031931.D

Acq: 11 May 2019 15:37

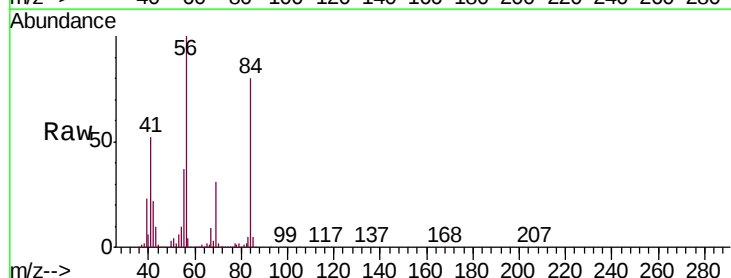
Tgt Ion: 56 Resp: 729402

Ion Ratio Lower Upper

56 100

69 30.3 22.3 33.5

84 79.9 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

4.99

400000

300000

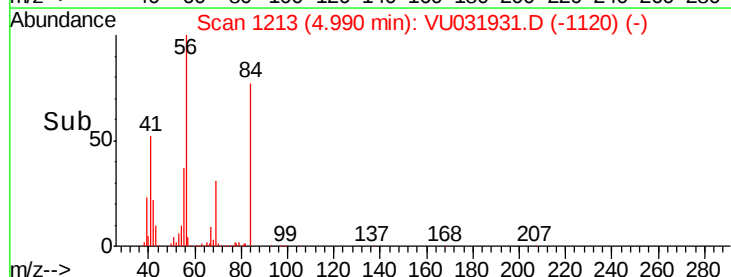
200000

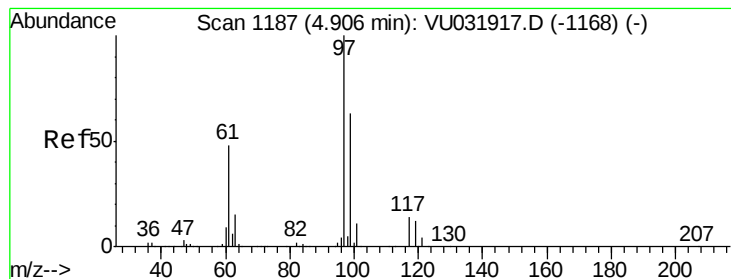
100000

0

4.90 5.00 5.10

Time-->





#30

1,1,1-Trichloroethane

Concen: 40.611 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU031931.D

Acq: 11 May 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

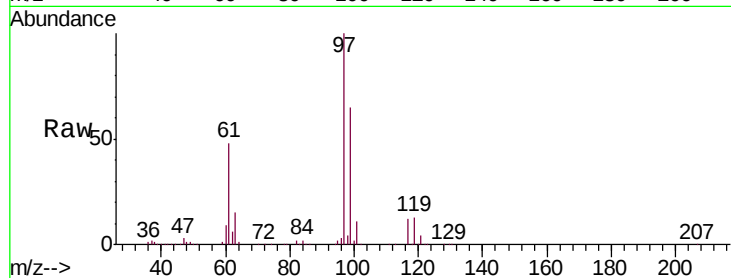
Tgt Ion: 97 Resp: 616019

Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

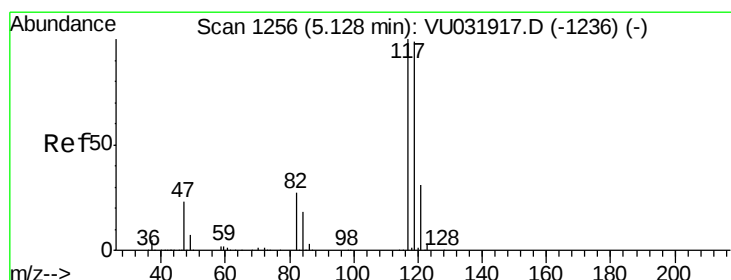
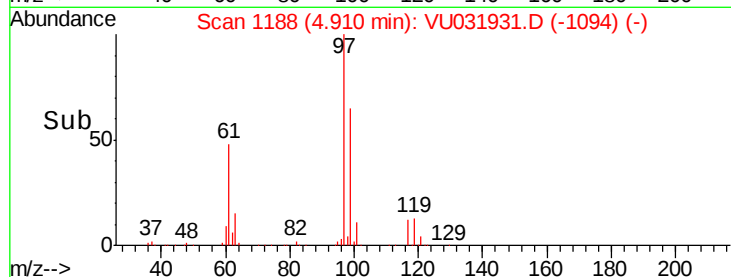
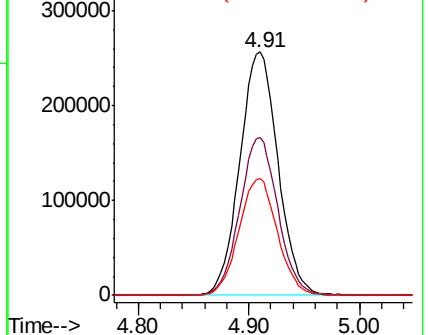
61 48.2 38.7 58.1



Abundance Ion 97.00 (96.70 to 97.70): VU031931.D (-1168) (-)

Ion 99.00 (98.70 to 99.70): VU031931.D (-1168) (-)

Ion 61.05 (60.75 to 61.75): VU031931.D (-1168) (-)



#31

Carbon tetrachloride

Concen: 39.606 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU031931.D

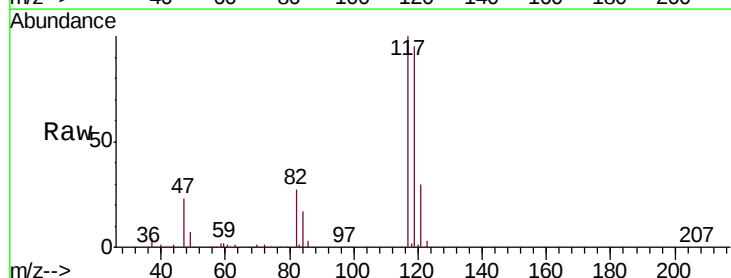
Acq: 11 May 2019 15:37

Tgt Ion: 117 Resp: 513503

Ion Ratio Lower Upper

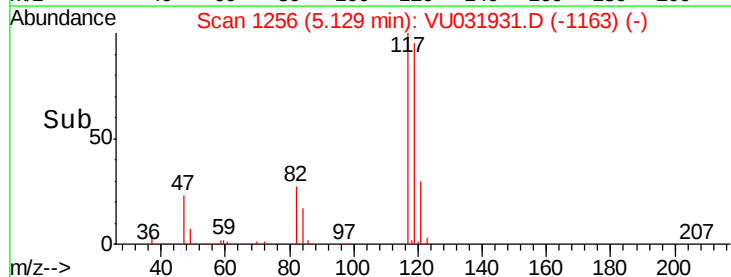
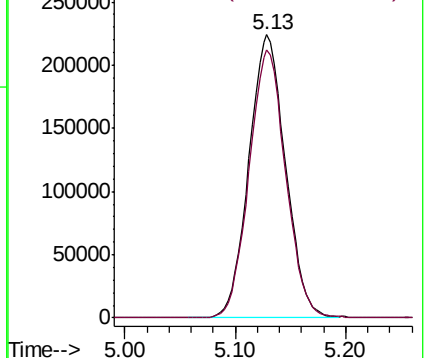
117 100

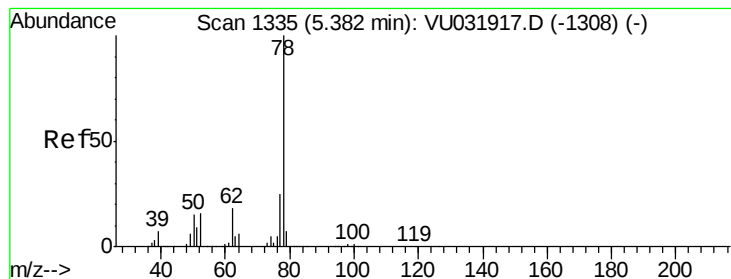
119 94.7 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): VU031931.D (-1236) (-)

Ion 119.00 (118.70 to 119.70): VU031931.D (-1236) (-)





#33

Benzene

Concen: 45.225 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU031931.D

Acq: 11 May 2019 15:37

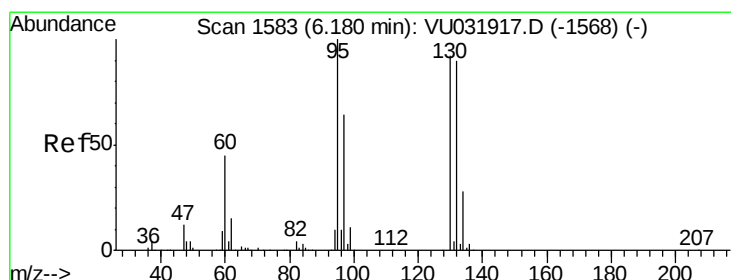
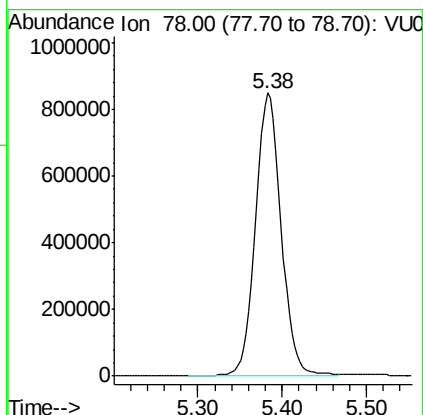
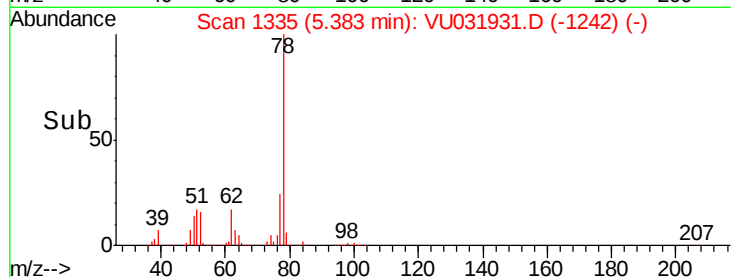
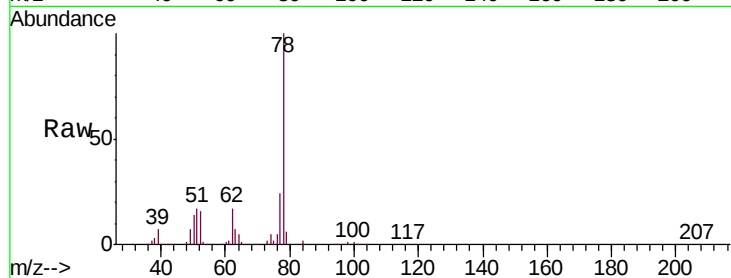
Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

Tgt Ion: 78 Resp: 1800139



#34

Trichloroethene

Concen: 45.597 ug/L

RT: 6.18 min Scan# 1583

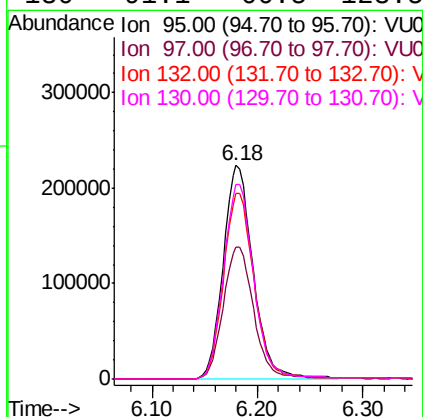
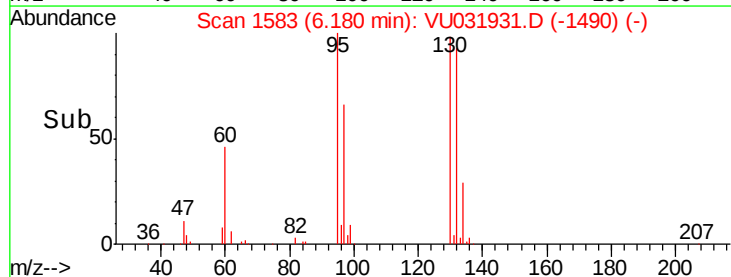
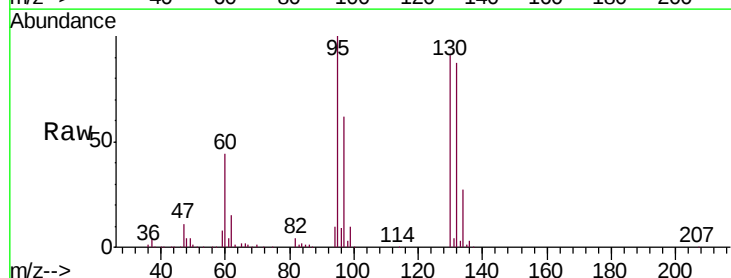
Delta R.T. 0.00 min

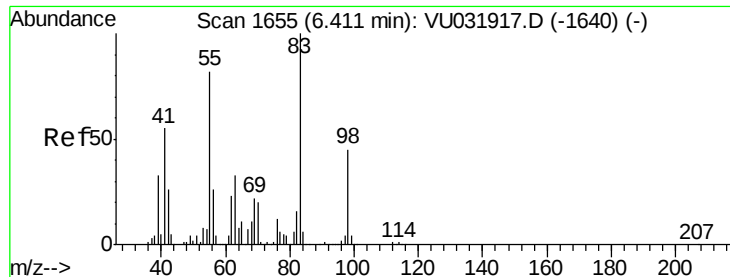
Lab File: VU031931.D

Acq: 11 May 2019 15:37

Tgt Ion: 95 Resp: 439953

Ion	Ratio	Lower	Upper
95	100		
97	61.9	44.8	83.2
132	87.0	63.1	117.1
130	91.1	66.5	123.5

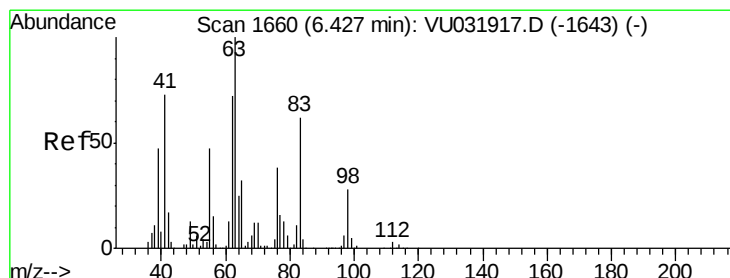
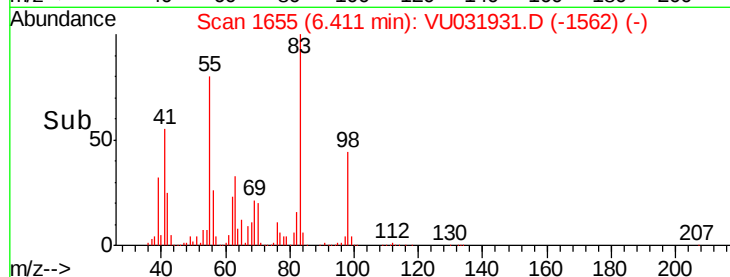
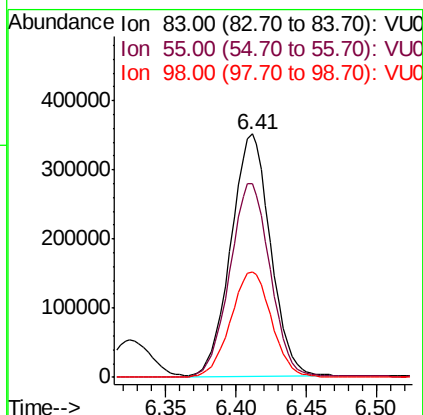
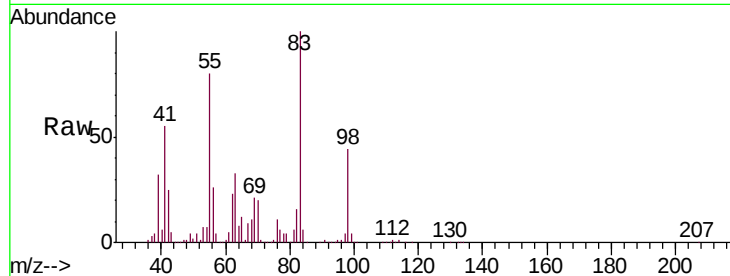




#35
Methylcyclohexane
Concen: 47.396 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU031931.D
Acq: 11 May 2019 15:37

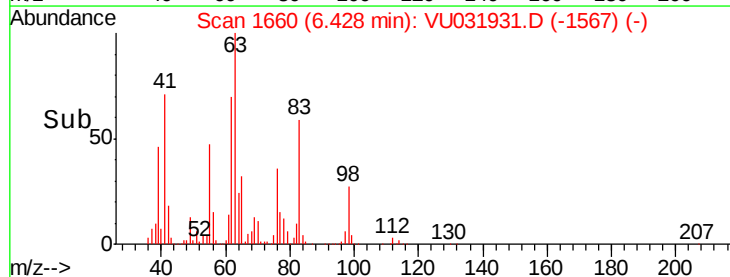
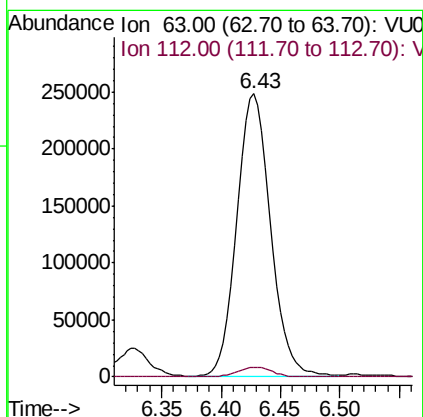
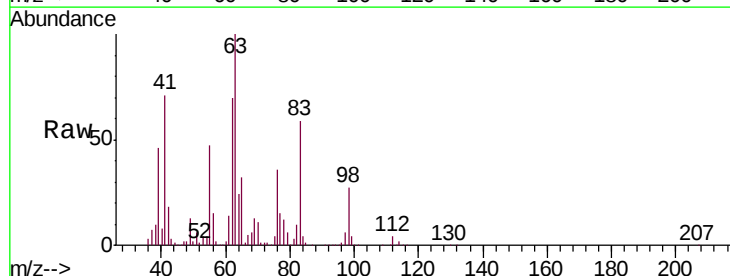
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

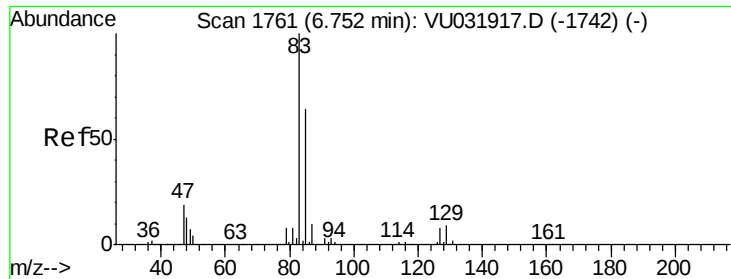
Tgt Ion: 83 Resp: 685351
Ion Ratio Lower Upper
83 100
55 82.3 73.0 109.4
98 45.0 35.3 52.9



#37
1,2-Dichloropropane
Concen: 43.179 ug/L
RT: 6.43 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VU031931.D
Acq: 11 May 2019 15:37

Tgt Ion: 63 Resp: 487933
Ion Ratio Lower Upper
63 100
112 3.5 2.7 4.1

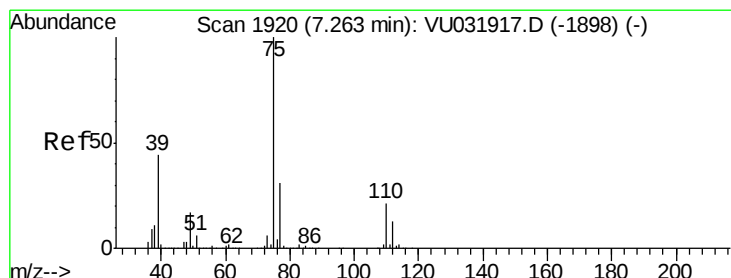
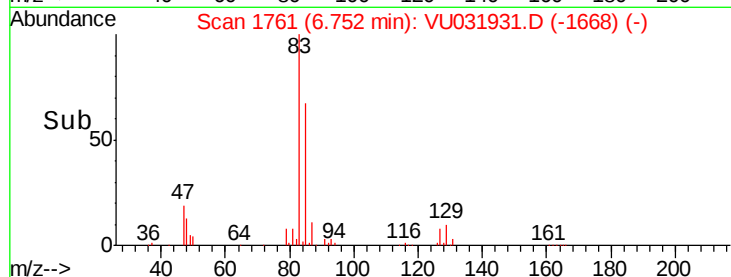
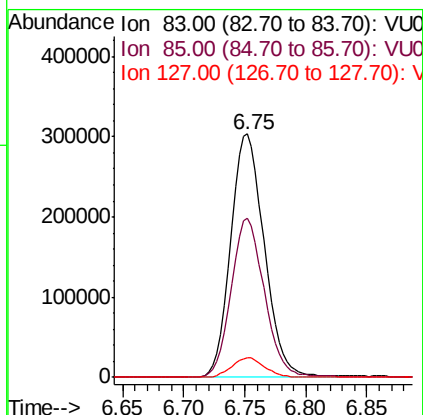
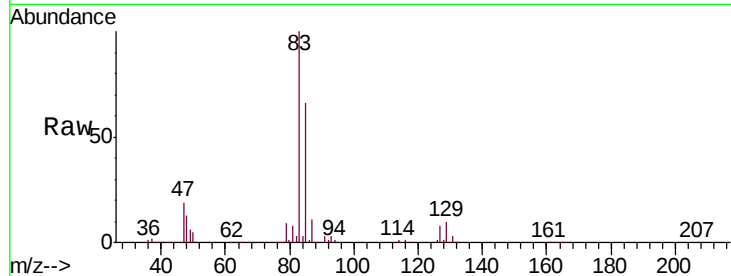




#38
 Bromodichloromethane
 Concen: 42.386 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031931.D
 Acq: 11 May 2019 15:37

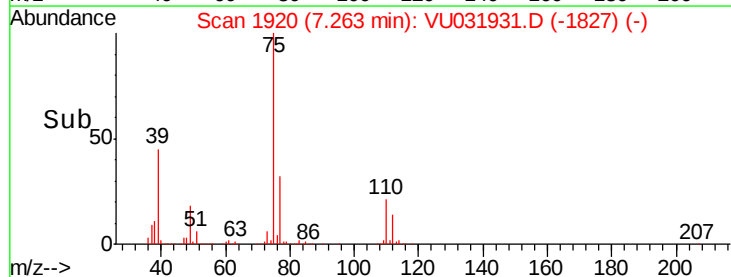
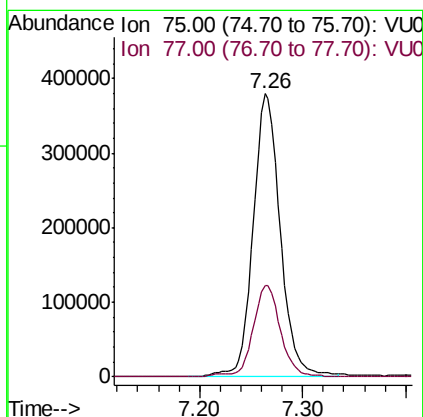
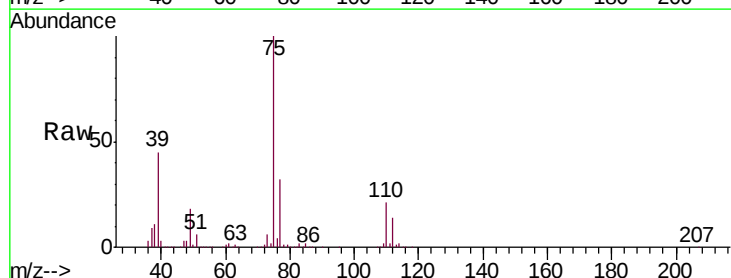
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

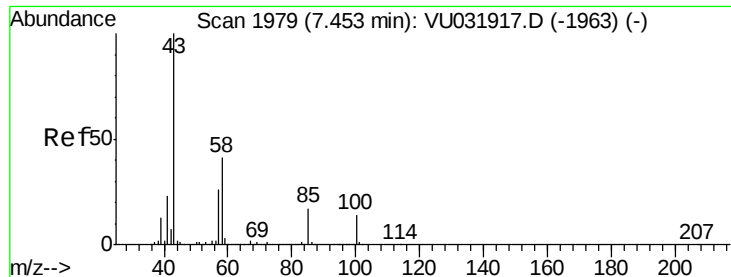
Tgt Ion: 83 Resp: 580737
 Ion Ratio Lower Upper
 83 100
 85 65.5 43.7 81.1
 127 8.2 6.7 10.1



#39
 cis-1,3-Dichloropropene
 Concen: 46.434 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU031931.D
 Acq: 11 May 2019 15:37

Tgt Ion: 75 Resp: 693342
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.1 41.1

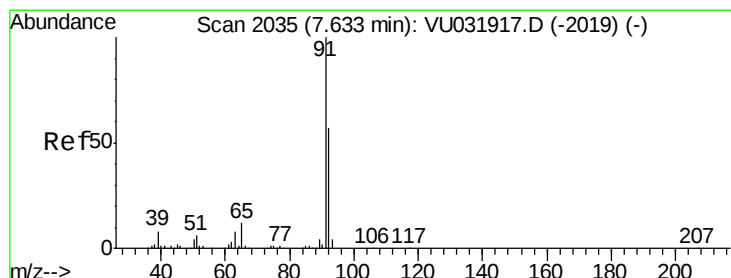
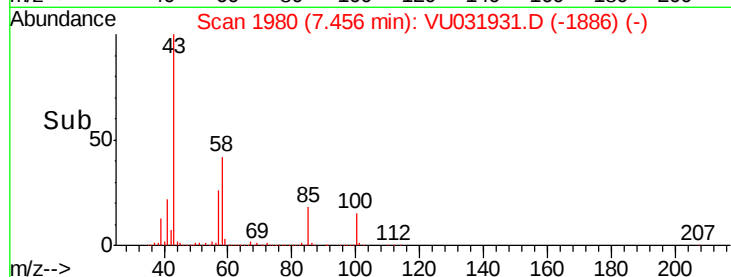
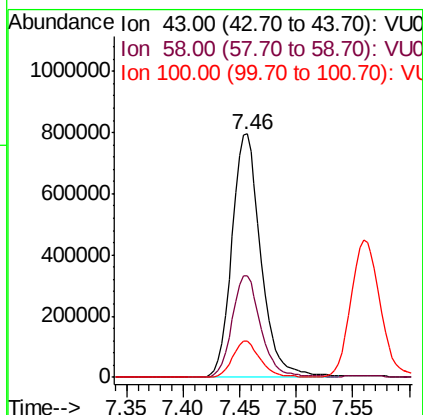
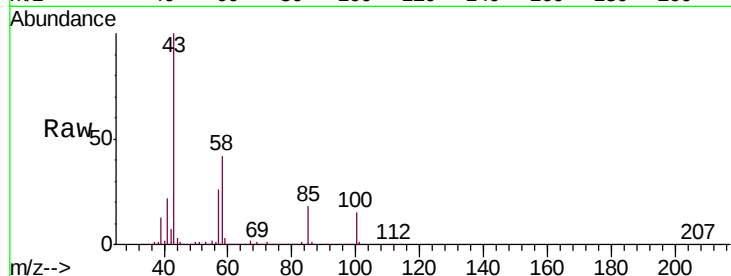




#40
 4-Methyl-2-pentanone
 Concen: 81.611 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU031931.D
 Acq: 11 May 2019 15:37

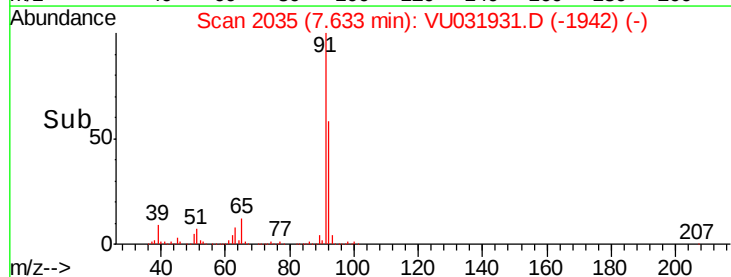
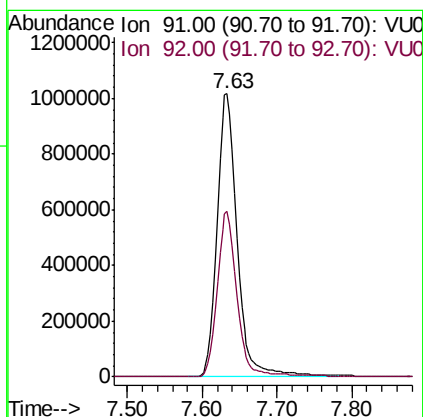
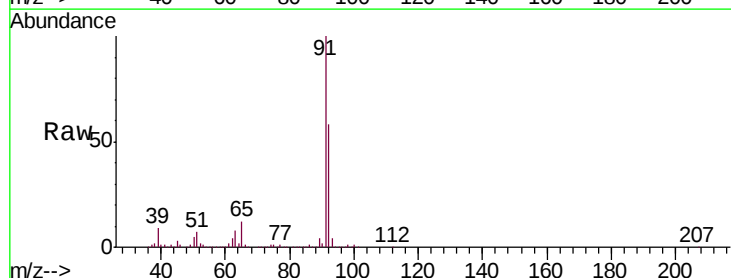
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

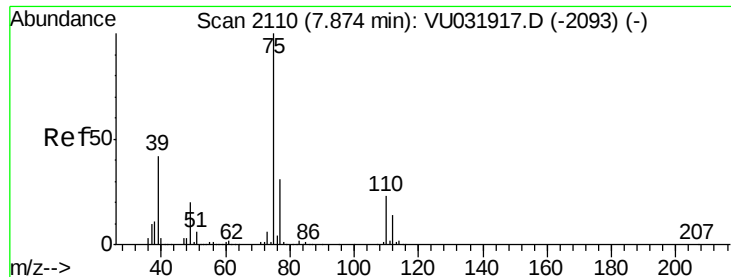
Tgt Ion: 43 Resp: 1418855
 Ion Ratio Lower Upper
 43 100
 58 41.5 30.1 45.1
 100 14.3 9.6 14.4



#42
 Toluene
 Concen: 48.099 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU031931.D
 Acq: 11 May 2019 15:37

Tgt Ion: 91 Resp: 1907128
 Ion Ratio Lower Upper
 91 100
 92 58.3 39.0 72.4





#44

trans-1,3-Dichloropropene

Concen: 45.474 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU031931.D

Acq: 11 May 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

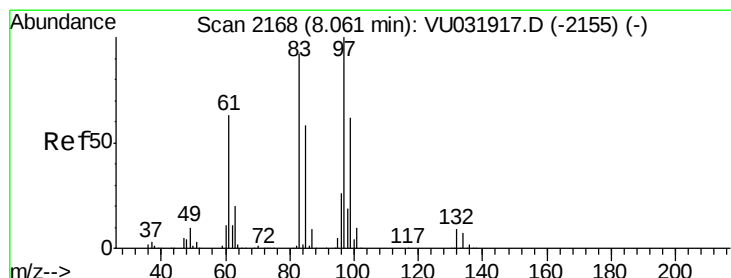
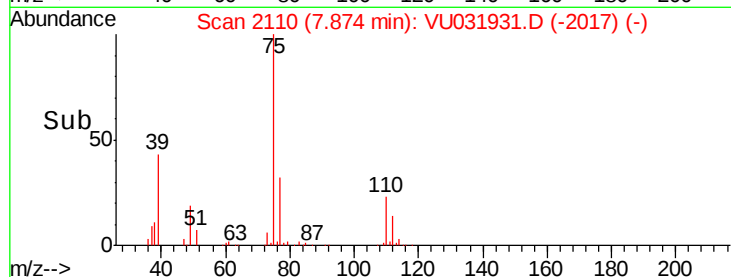
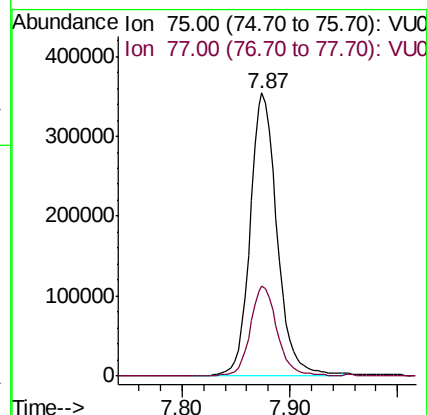
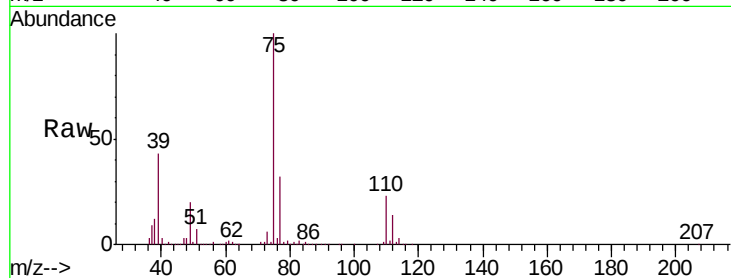
VSTD05043

Tgt Ion: 75 Resp: 615850

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1



#45

1,1,2-Trichloroethane

Concen: 46.785 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VU031931.D

Acq: 11 May 2019 15:37

Tgt Ion: 97 Resp: 435841

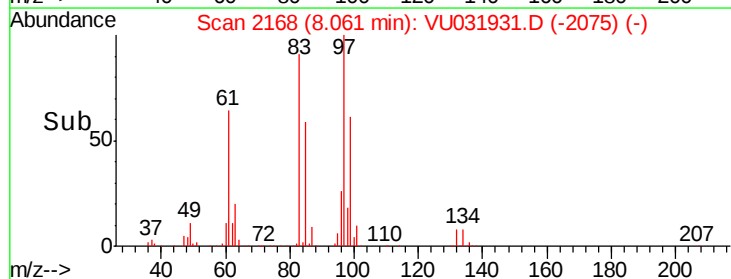
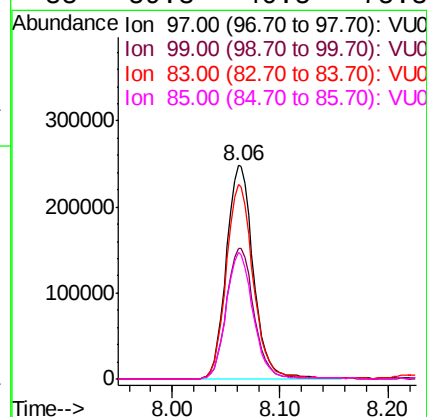
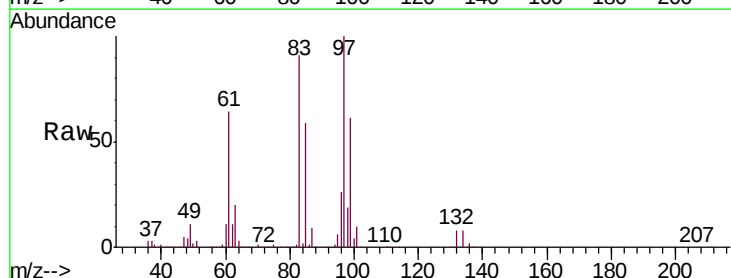
Ion Ratio Lower Upper

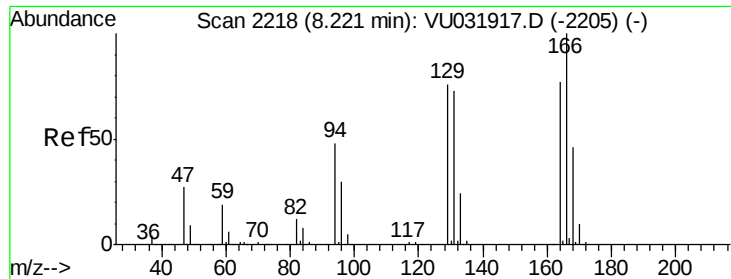
97 100

99 61.4 43.0 80.0

83 91.4 63.6 118.2

85 59.3 40.5 75.3

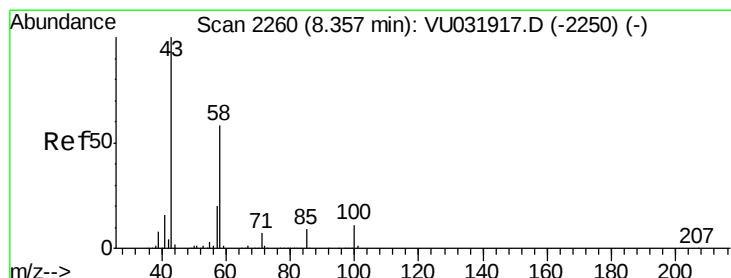
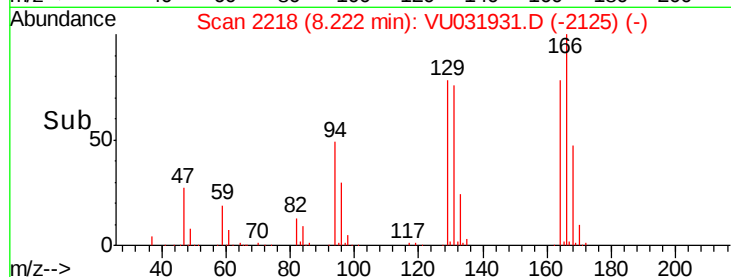
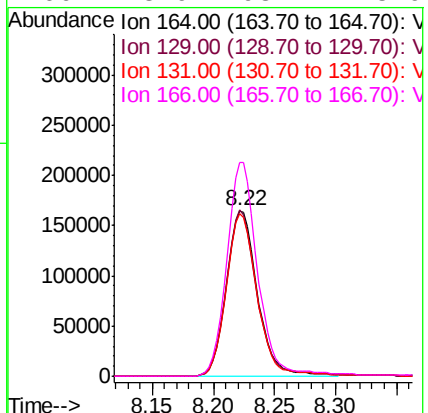
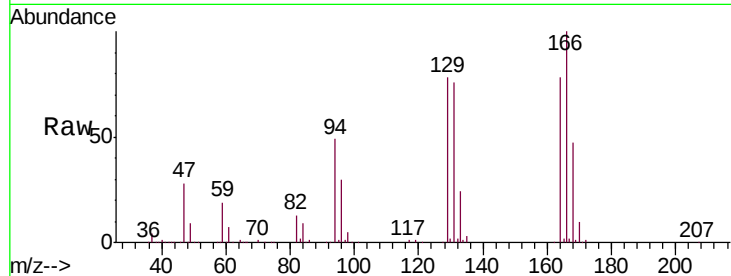




#46
Tetrachloroethene
Concen: 44.870 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031931.D
Acq: 11 May 2019 15:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Tgt Ion:	164	Resp:	295150
Ion	Ratio	Lower	Upper
164	100		
129	100.7	71.5	132.9
131	98.1	69.0	128.2
166	128.9	93.7	173.9



#48
2-Hexanone
Concen: 82.565 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU031931.D
Acq: 11 May 2019 15:37

Tgt Ion:	43	Resp:	1160976
Ion	Ratio	Lower	Upper
43	100		
58	57.3	42.1	63.1
57	19.4	14.6	22.0
100	10.8	7.2	10.8#

