

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041819\
 Data File : VU031266.D
 Acq On : 17 Apr 2019 19:02
 Operator : JC/SP
 Sample : VSTD00103
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Quant Time: Apr 18 08:01:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 18 07:57:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	326181	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	300300	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	139552	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	27912	1.12	ug/L	0.00
7) Chloroethane-d5	1.68	69	22542	1.12	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	53814	1.05	ug/L	0.00
20) 2-Butanone-d5	4.22	46	62221	9.86	ug/L	0.00
24) Chloroform-d	4.65	84	40486	0.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	19515	0.89	ug/L	0.00
32) Benzene-d6	5.34	84	82860	1.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	26906	1.03	ug/L	0.00
41) Toluene-d8	7.56	98	78401	1.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	9650	0.97	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	47886	10.95	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	19549	1.03	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	26644	1.11	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	25897	0.755 ug/L	99
3) Chloromethane	1.32	50	33730	0.828 ug/L	99
5) Vinyl chloride	1.40	62	34732	0.925 ug/L	97
6) Bromomethane	1.63	94	19452	1.011 ug/L	95
8) Chloroethane	1.70	64	20553	0.943 ug/L	99
9) Trichlorofluoromethane	1.88	101	42662	0.973 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	24096	0.983 ug/L	97
12) 1,1-Dichloroethene	2.28	96	24508	1.028 ug/L	84
13) Acetone	2.36	43	49061	9.956 ug/L	96
14) Carbon disulfide	2.47	76	85265	1.026 ug/L	99
15) Methyl Acetate	2.63	43	16482	1.304 ug/L	94
16) Methylene chloride	2.69	84	33646	1.206 ug/L	94
17) Methyl tert-butyl Ether	3.00	73	65369	1.022 ug/L	96
18) trans-1,2-Dichloroethene	2.97	96	25779	1.013 ug/L	94
19) 1,1-Dichloroethane	3.44	63	40411	0.804 ug/L	99
21) 2-Butanone	4.30	43	63021	8.436 ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	22752	0.875 ug/L	93
23) Bromochloromethane	4.55	128	10597	1.015 ug/L	94
25) Chloroform	4.67	83	39473	0.851 ug/L	97
27) 1,2-Dichloroethane	5.40	62	25833	0.860 ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	33427	0.904 ug/L	95
30) Cyclohexane	4.98	56	38325	0.857 ug/L	100
31) Carbon tetrachloride	5.13	117	28724	0.920 ug/L	95
33) Benzene	5.39	78	88100	0.893 ug/L	100
34) Trichloroethene	6.18	95	23984	0.962 ug/L	96
35) Methylcyclohexane	6.41	83	33307	0.848 ug/L	98
37) 1,2-Dichloropropane	6.43	63	22810	0.845 ug/L	99
38) Bromodichloromethane	6.75	83	26482	0.838 ug/L	91
39) cis-1,3-Dichloropropene	7.27	75	32545	0.904 ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	142238	8.428 ug/L	100

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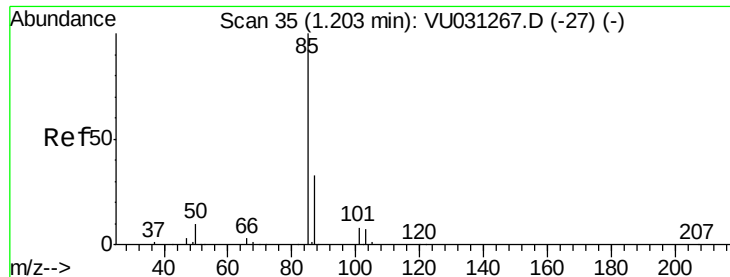
Quant Time: Apr 18 08:01:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041819WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.63	91	92043	0.923	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	23071	0.819	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	16008	0.967	ug/L	95
47) Tetrachloroethene	8.22	164	18361	1.030	ug/L	94
48) 2-Hexanone	8.37	43	97067	8.326	ug/L	99
49) Dibromochloromethane	8.47	129	18767	0.958	ug/L	96
50) 1,2-Dibromoethane	8.59	107	15163	0.983	ug/L #	95
51) Chlorobenzene	9.12	112	57352	0.927	ug/L	94
52) Ethylbenzene	9.25	91	94547	0.891	ug/L	99
53) m,p-Xylene	9.37	106	35160	0.938	ug/L	93
54) o-Xylene	9.78	106	34755	0.943	ug/L	97
55) Styrene	9.79	104	55833	0.906	ug/L	95
56) Isopropylbenzene	10.16	105	89538	0.913	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	20228	0.935	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	14465	0.946	ug/L	97
61) Bromoform	9.95	173	10920	1.037	ug/L #	94
62) 1,3-Dichlorobenzene	11.42	146	41367	0.941	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	43037	0.939	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	39662	0.926	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.66	75	2937	0.895	ug/L #	88
67) 1,3,5-Trichlorobenzene	12.89	180	32355	0.985	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	26310	1.024	ug/L	96
69) Naphthalene	13.74	128	84474	1.898	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	25502	1.053	ug/L	99

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

```
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ALS Vial  : 5    Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 0.755 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

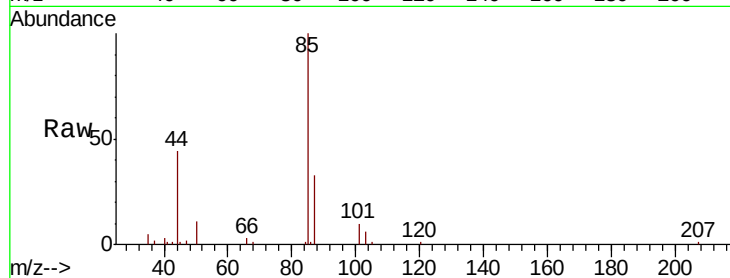
VSTD00103

Tgt Ion: 85 Resp: 25897

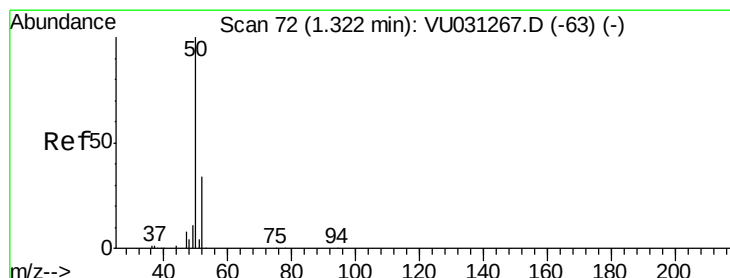
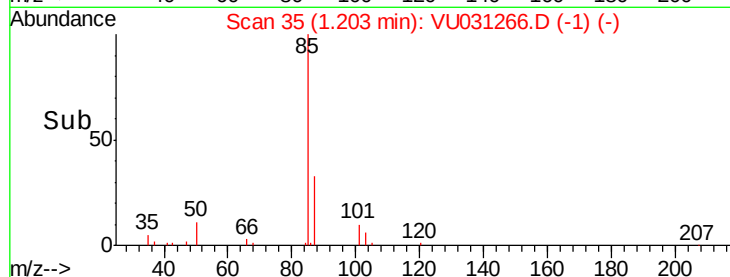
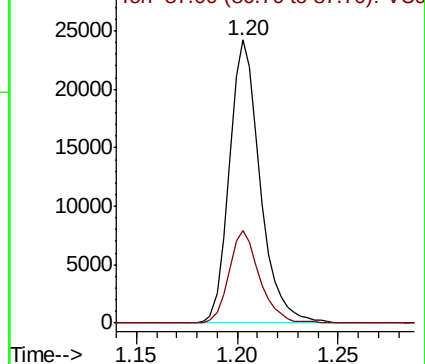
Ion Ratio Lower Upper

85 100

87 32.2 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU031266.D (-1) (-)



#3

Chloromethane

Concen: 0.828 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031266.D

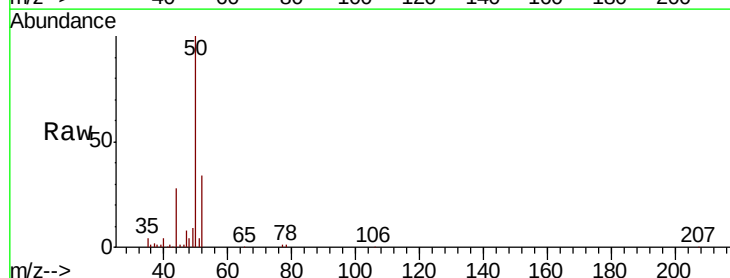
Acq: 17 Apr 2019 19:02

Tgt Ion: 50 Resp: 33730

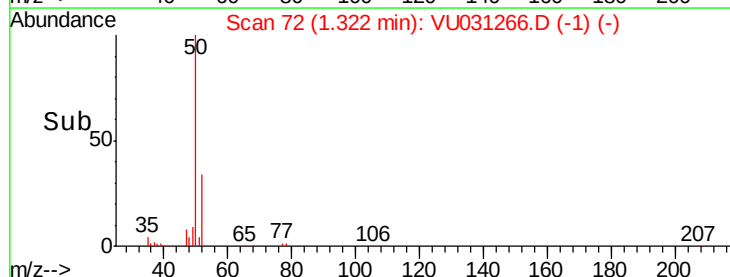
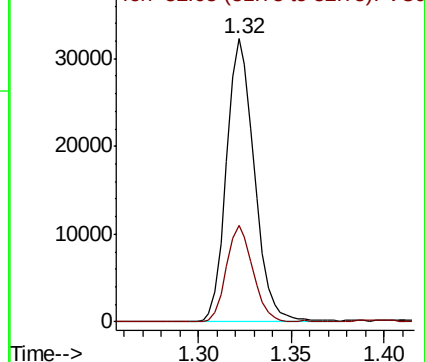
Ion Ratio Lower Upper

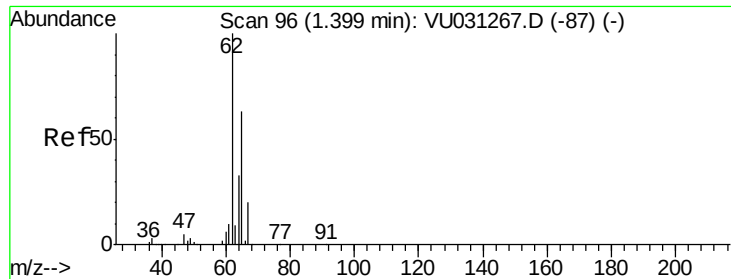
50 100

52 33.9 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU031266.D (-1) (-)





#5

Vinyl chloride

Concen: 0.925 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

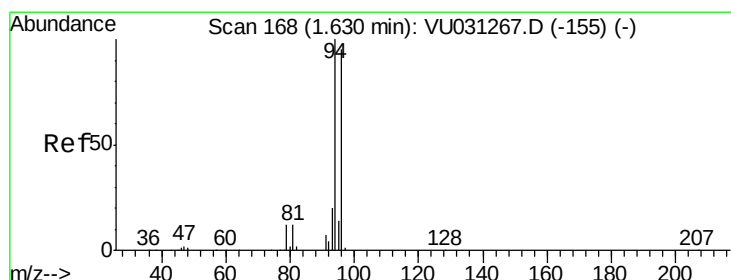
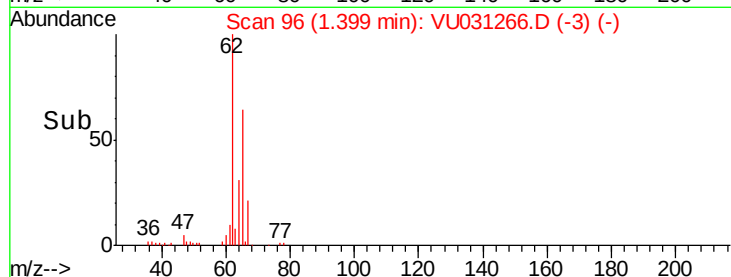
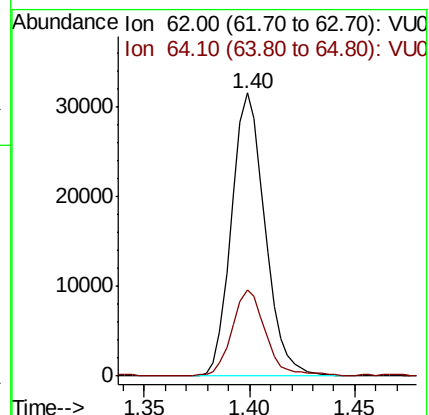
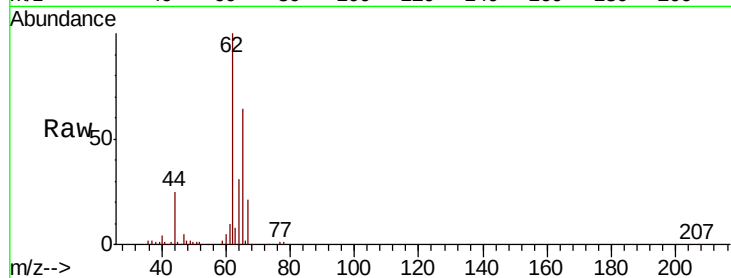
VSTD00103

Tgt Ion: 62 Resp: 34732

Ion Ratio Lower Upper

62 100

64 30.6 22.7 42.3



#6

Bromomethane

Concen: 1.011 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU031266.D

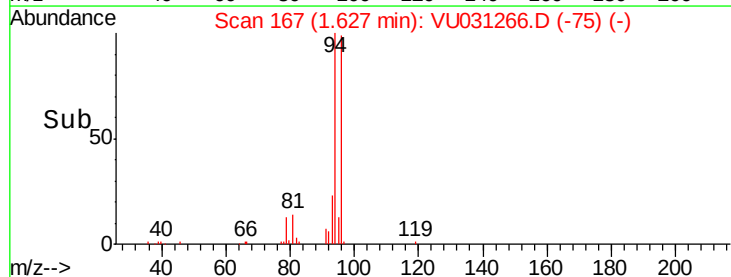
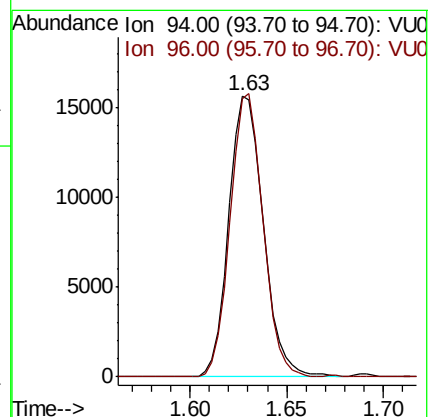
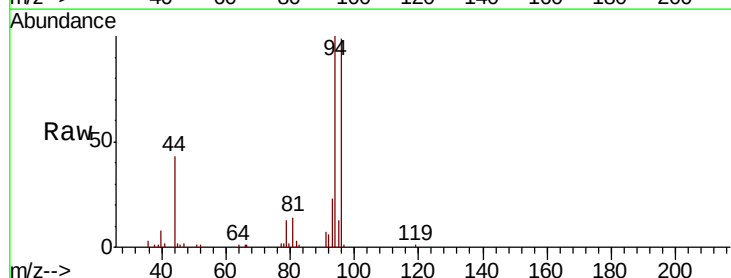
Acq: 17 Apr 2019 19:02

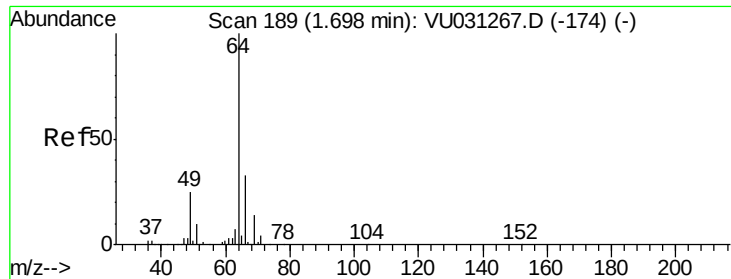
Tgt Ion: 94 Resp: 19452

Ion Ratio Lower Upper

94 100

96 99.2 66.3 123.1





#8

Chloroethane

Concen: 0.943 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

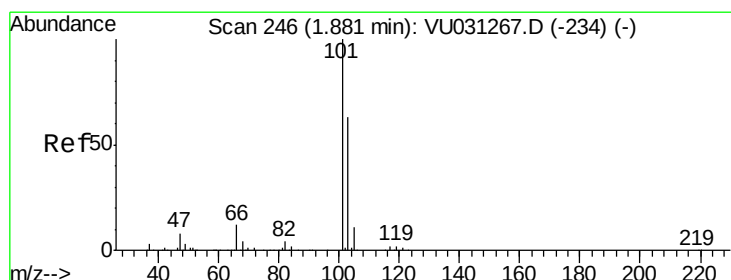
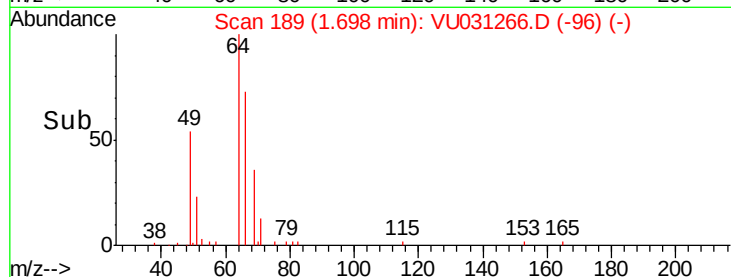
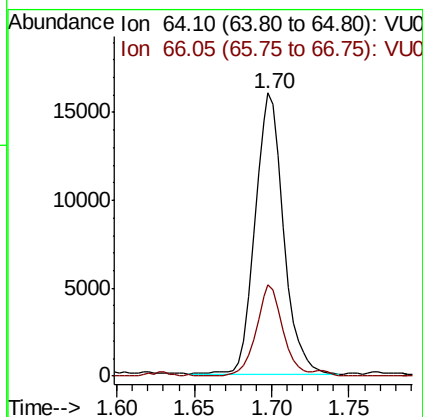
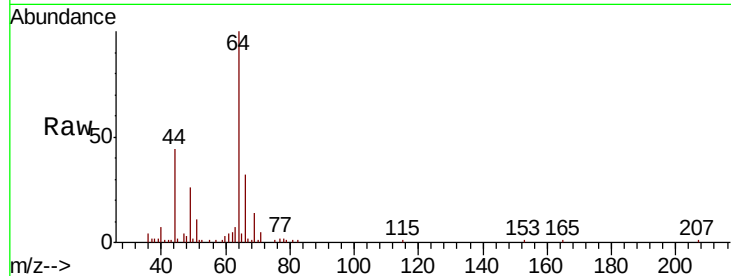
VSTD00103

Tgt Ion: 64 Resp: 20553

Ion Ratio Lower Upper

64 100

66 32.5 23.0 42.6



#9

Trichlorofluoromethane

Concen: 0.973 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU031266.D

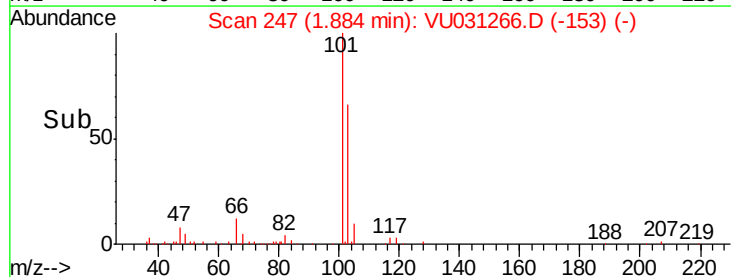
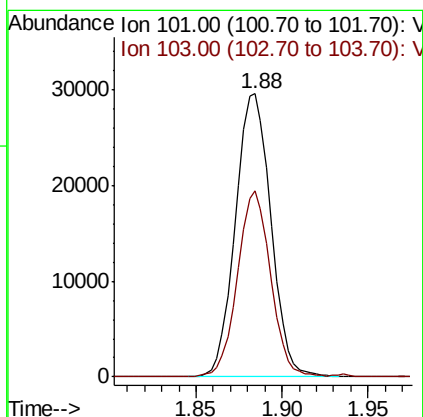
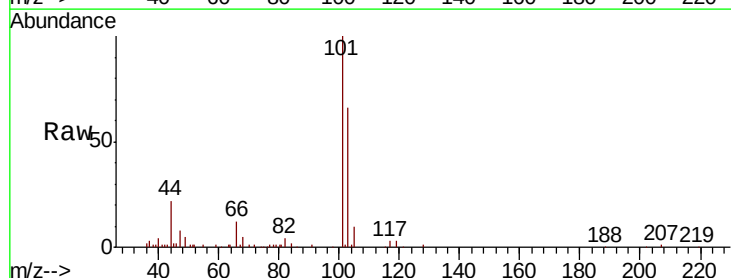
Acq: 17 Apr 2019 19:02

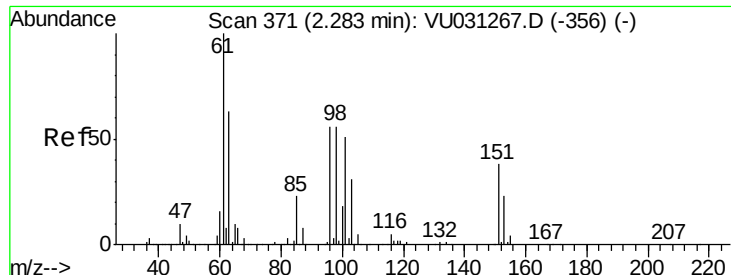
Tgt Ion: 101 Resp: 42662

Ion Ratio Lower Upper

101 100

103 61.5 50.9 76.3





#10

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

Concen: 0.983 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

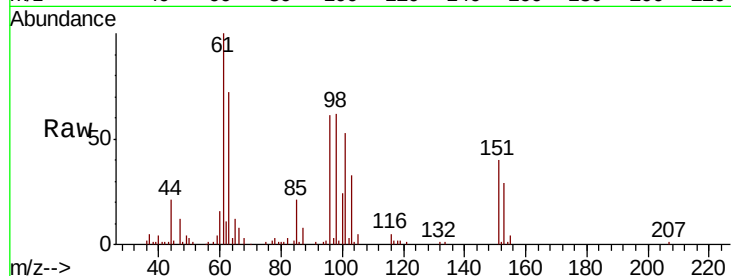
Tgt Ion: 101 Resp: 24096

Ion Ratio Lower Upper

101 100

85 42.5 34.5 51.7

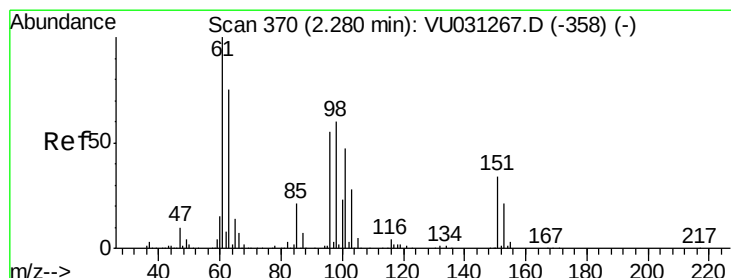
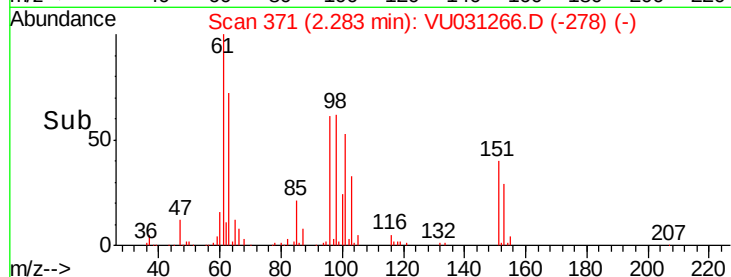
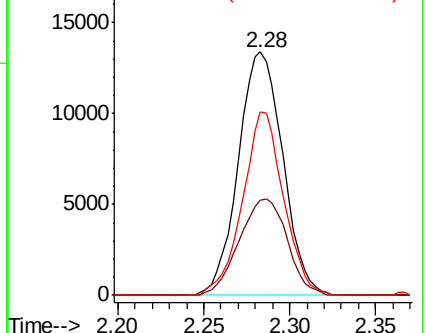
151 69.6 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): VU031266.D (-278) (-)

Ion 85.00 (84.70 to 85.70): VU031266.D (-278) (-)

Ion 151.00 (150.70 to 151.70): VU031266.D (-278) (-)



#12

1,1-Dichloroethene

Concen: 1.028 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

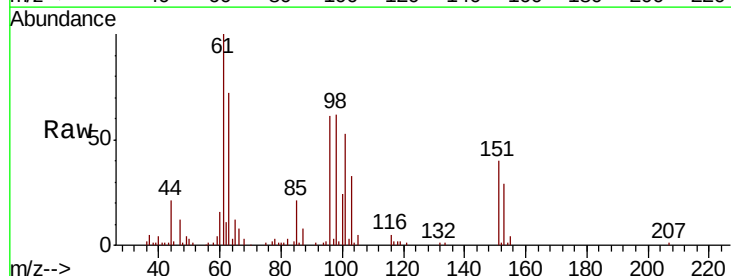
Tgt Ion: 96 Resp: 24508

Ion Ratio Lower Upper

96 100

61 163.2 128.5 238.7

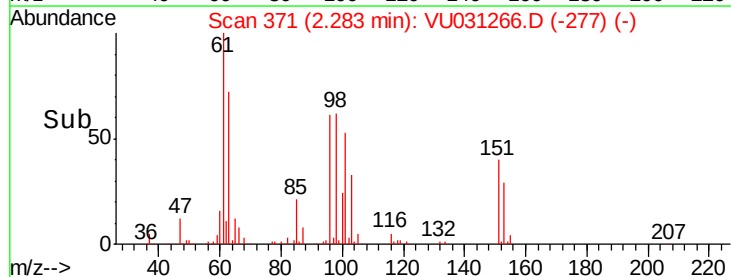
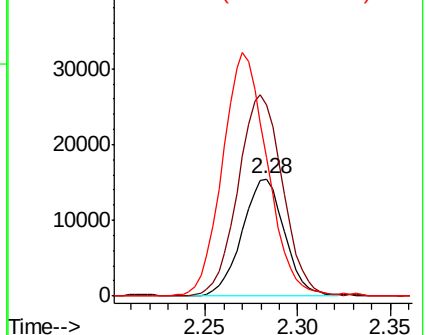
63 117.8 98.9 183.7

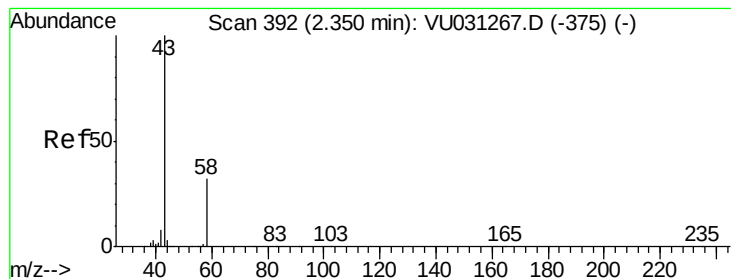


Abundance Ion 96.00 (95.70 to 96.70): VU031266.D (-277) (-)

Ion 61.05 (60.75 to 61.75): VU031266.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU031266.D (-277) (-)





#13

Acetone

Concen: 9.956 ug/L

RT: 2.36 min Scan# 394

Delta R.T. 0.01 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

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ClientSampleId :

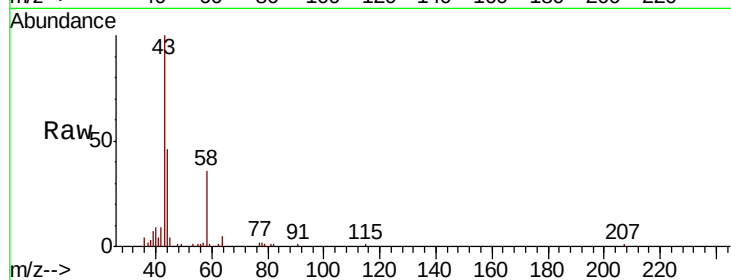
VSTD00103

Tgt Ion: 43 Resp: 49061

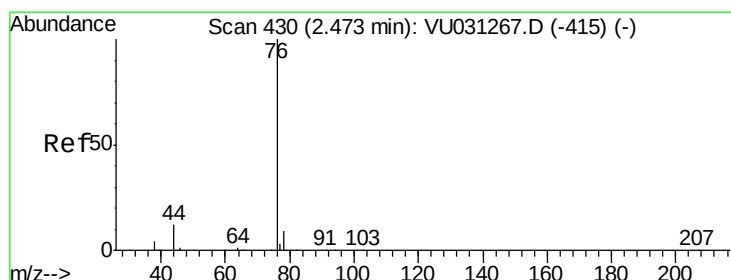
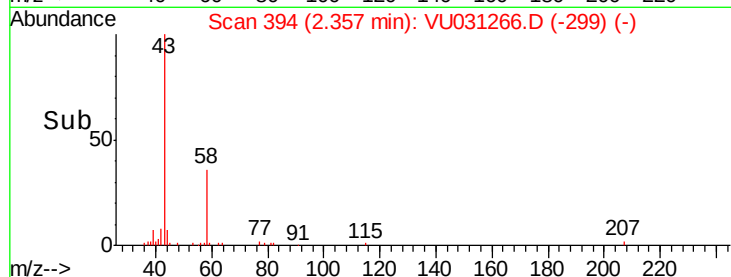
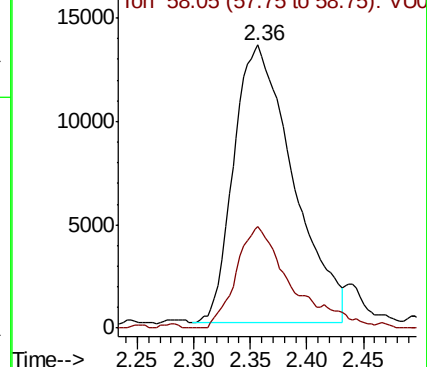
Ion Ratio Lower Upper

43 100

58 30.4 0.0 65.8



Abundance Ion 43.05 (42.75 to 43.75): VU031267.D (-375) (-)



#14

Carbon disulfide

Concen: 1.026 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031266.D

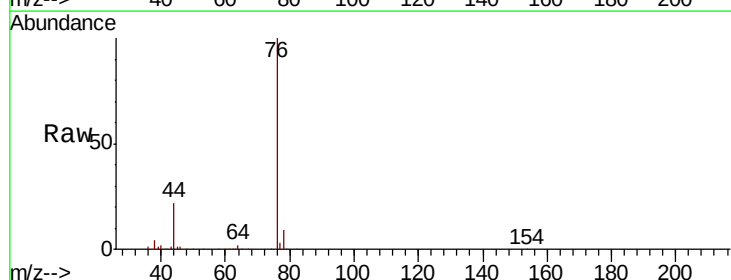
Acq: 17 Apr 2019 19:02

Tgt Ion: 76 Resp: 85265

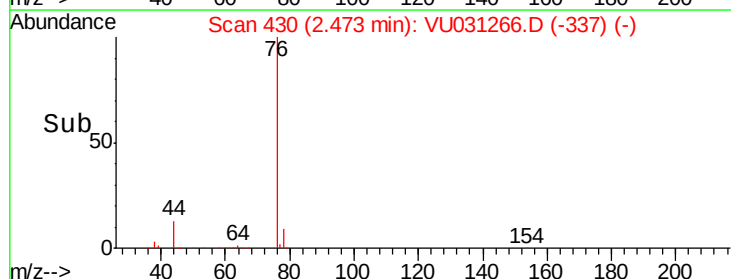
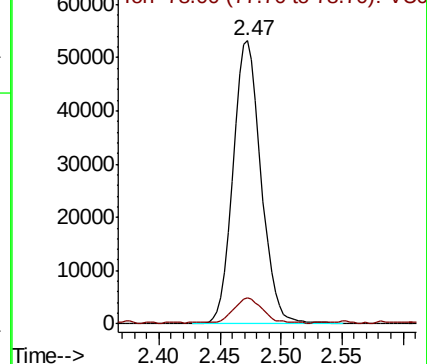
Ion Ratio Lower Upper

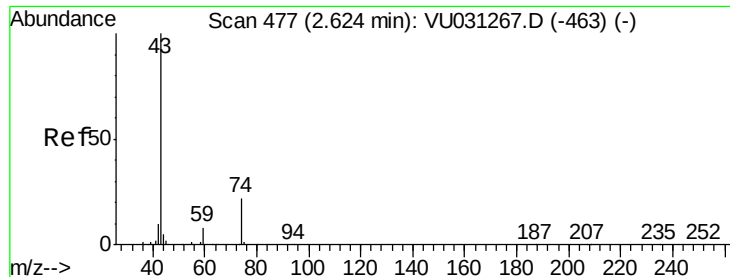
76 100

78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU031267.D (-415) (-)

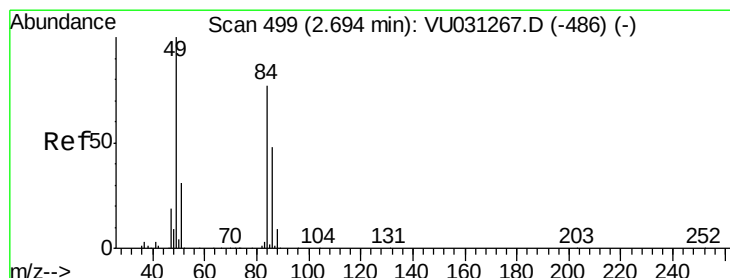
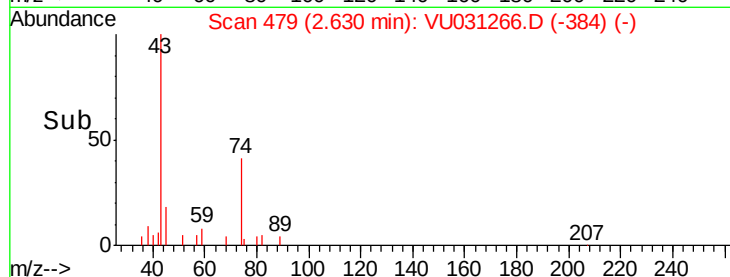
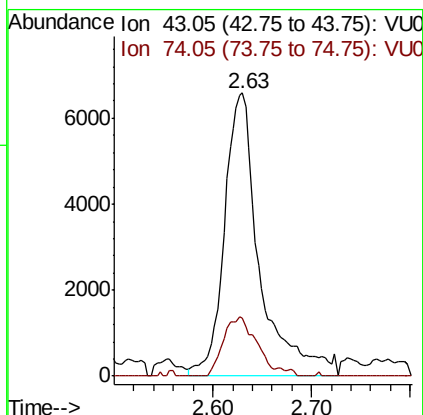
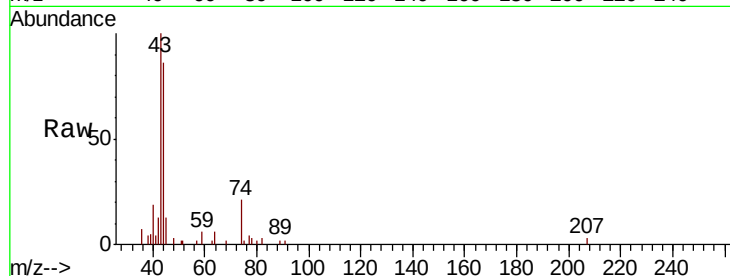




#15
Methyl Acetate
Concen: 1.304 ug/L
RT: 2.63 min Scan# 479
Delta R.T. 0.01 min
Lab File: VU031266.D
Acq: 17 Apr 2019 19:02

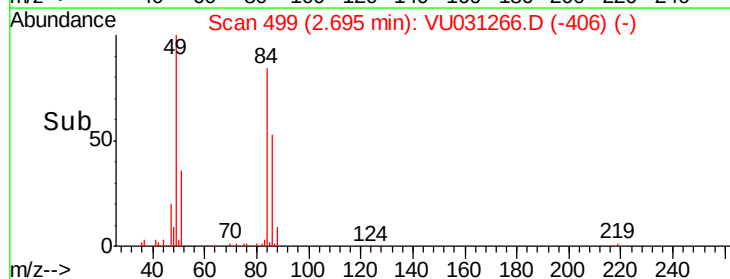
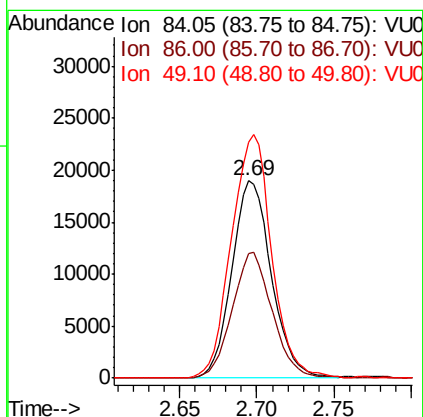
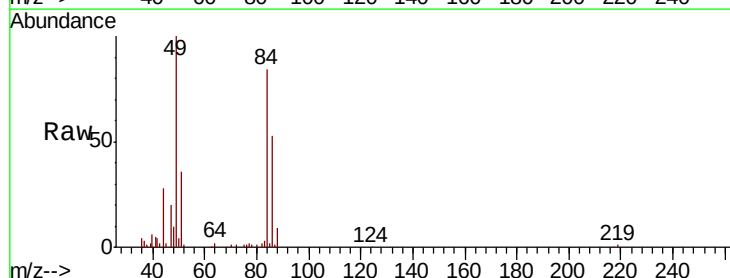
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

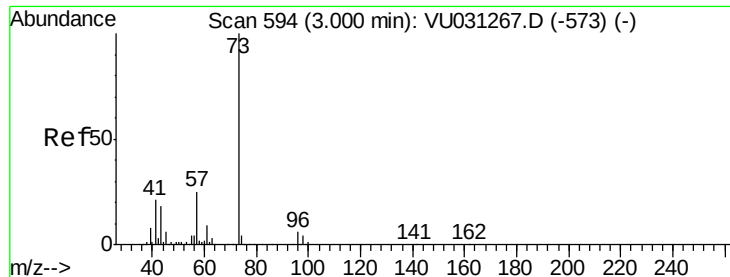
Tgt Ion: 43 Resp: 16482
Ion Ratio Lower Upper
43 100
74 19.3 17.8 26.6



#16
Methylene chloride
Concen: 1.206 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU031266.D
Acq: 17 Apr 2019 19:02

Tgt Ion: 84 Resp: 33646
Ion Ratio Lower Upper
84 100
86 63.0 44.0 81.6
49 119.2 90.9 168.9

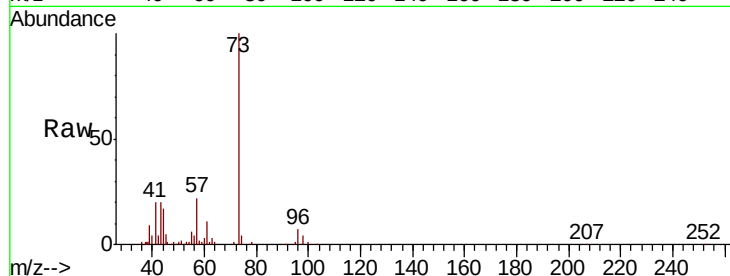




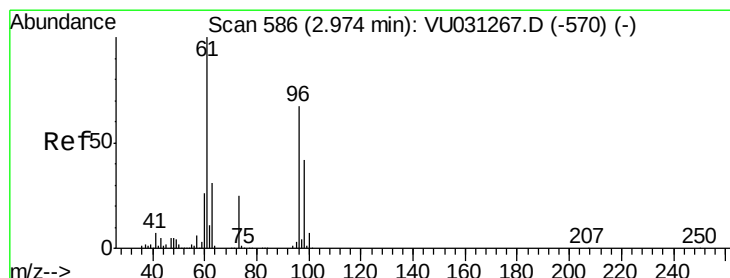
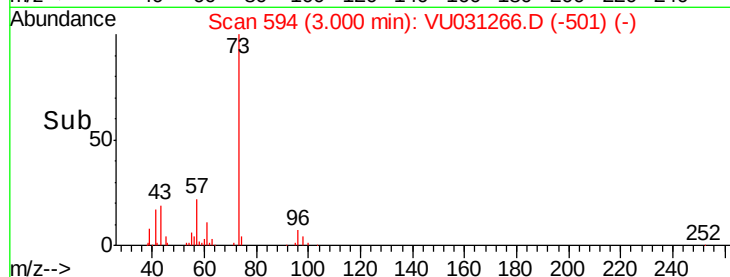
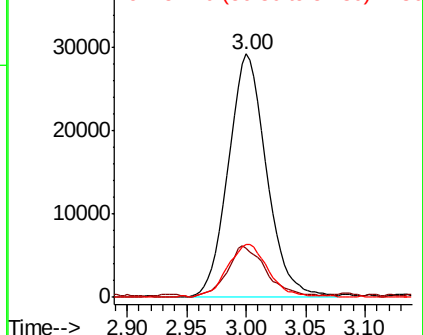
#17
Methyl tert-butyl Ether
Concen: 1.022 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU031266.D
Acq: 17 Apr 2019 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tgt Ion:	73	Resp:	65369
Ion	Ratio	Lower	Upper
73	100		
43	22.0	15.2	22.8
57	23.1	19.4	29.0

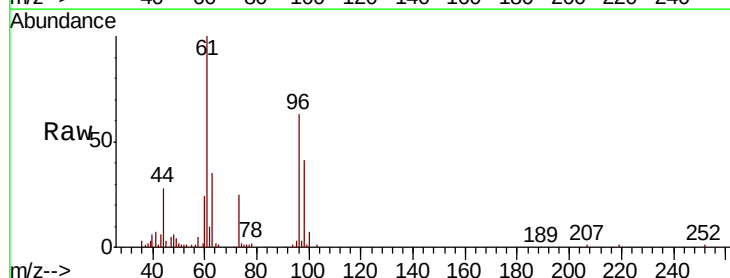


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

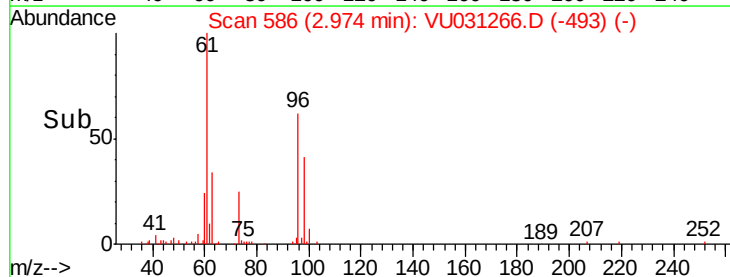
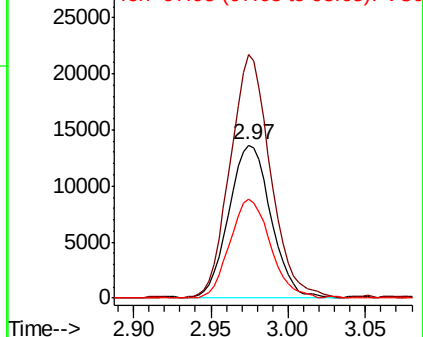


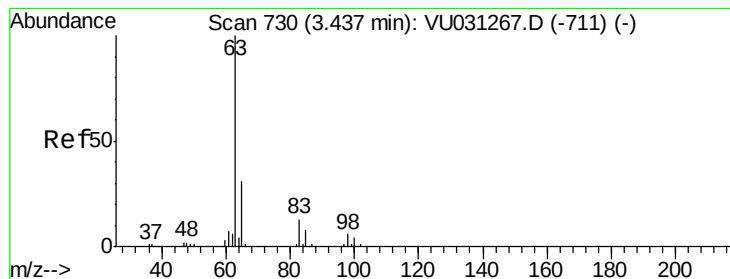
#18
trans-1,2-Dichloroethene
Concen: 1.013 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU031266.D
Acq: 17 Apr 2019 19:02

Tgt Ion:	96	Resp:	25779
Ion	Ratio	Lower	Upper
96	100		
61	159.2	105.0	195.0
98	64.9	43.9	81.5



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: 0.804 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

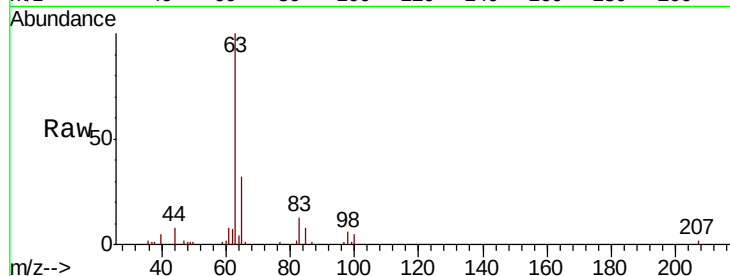
Tgt Ion: 63 Resp: 40411

Ion Ratio Lower Upper

63 100

65 31.6 21.6 40.2

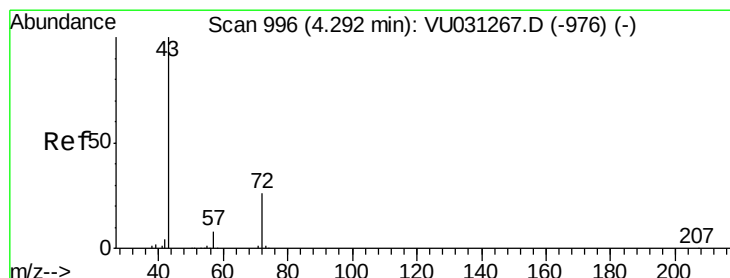
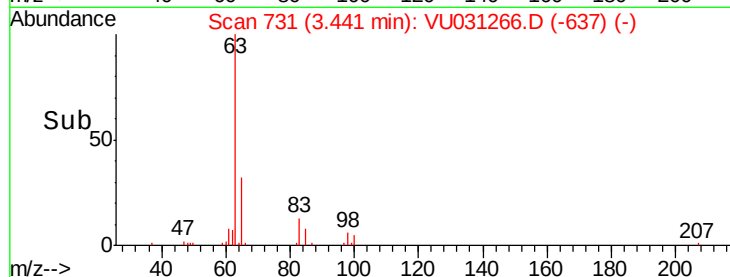
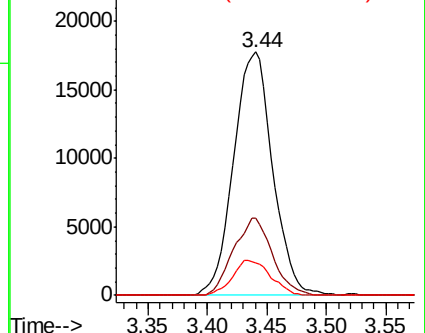
83 13.3 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VU031266.D (-637) (-)

Ion 65.10 (64.80 to 65.80): VU031266.D (-637) (-)

Ion 83.05 (82.75 to 83.75): VU031266.D (-637) (-)



#21

2-Butanone

Concen: 8.436 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.01 min

Lab File: VU031266.D

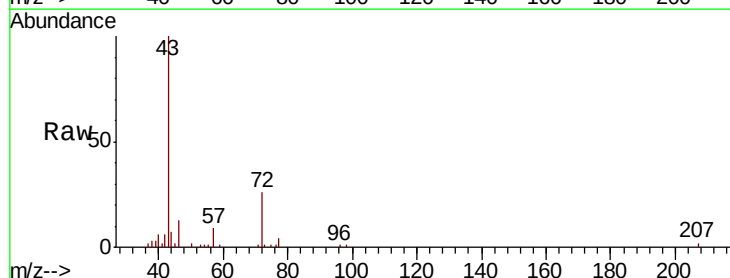
Acq: 17 Apr 2019 19:02

Tgt Ion: 43 Resp: 63021

Ion Ratio Lower Upper

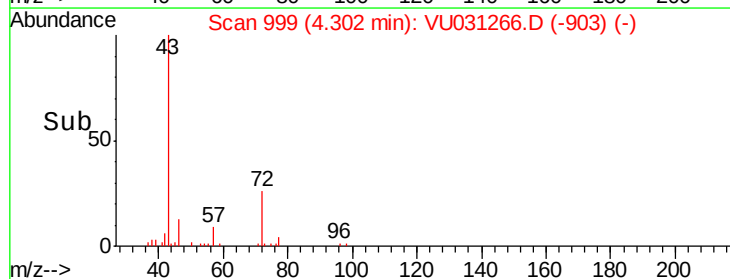
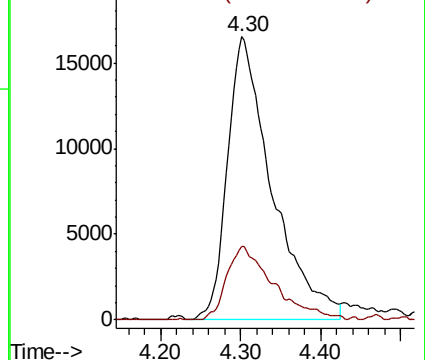
43 100

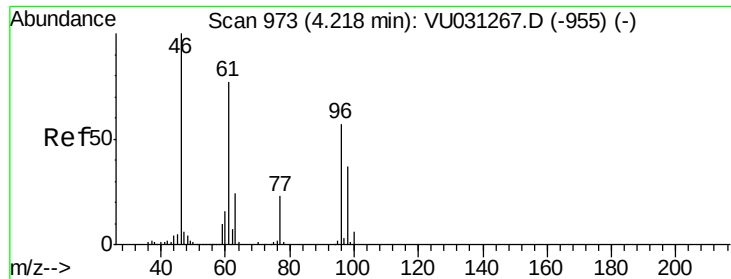
72 27.2 13.0 38.9



Abundance Ion 43.05 (42.75 to 43.75): VU031266.D (-903) (-)

Ion 72.10 (71.80 to 72.80): VU031266.D (-903) (-)



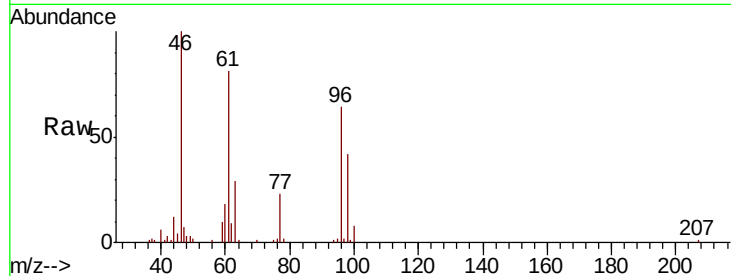


#22

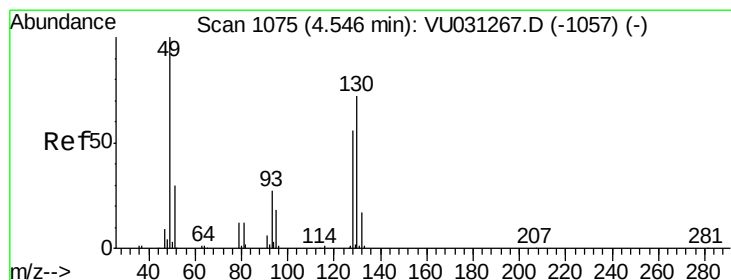
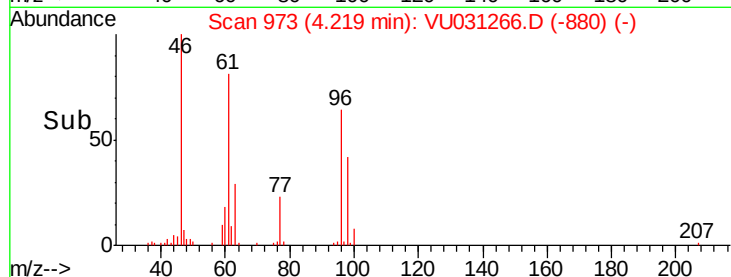
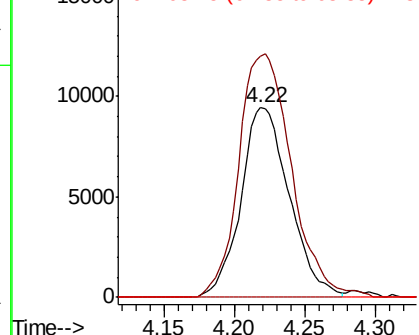
cis-1,2-Dichloroethene
 Concen: 0.875 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031266.D
 Acq: 17 Apr 2019 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion: 96 Resp: 22752
 Ion Ratio Lower Upper
 96 100
 61 127.3 95.1 176.7
 68 0.0 0.0 0.0



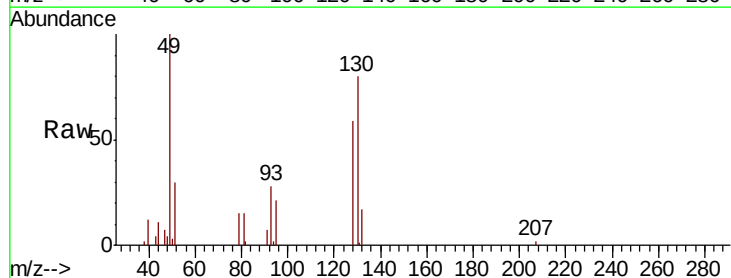
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



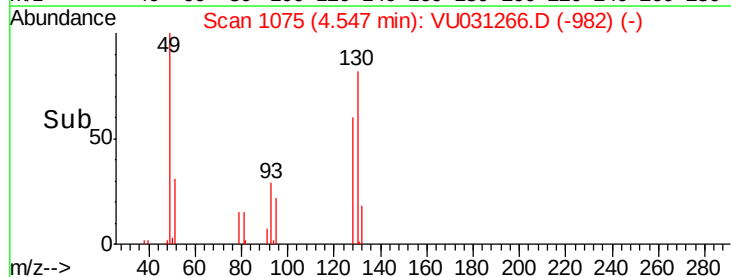
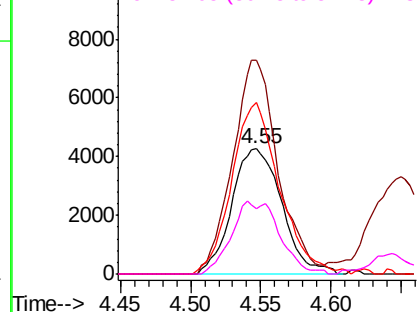
#23

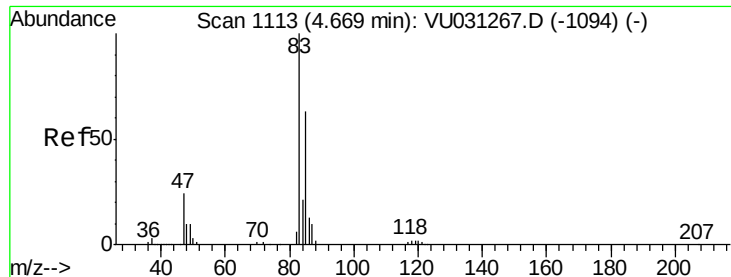
Bromochloromethane
 Concen: 1.015 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU031266.D
 Acq: 17 Apr 2019 19:02

Tgt Ion: 128 Resp: 10597
 Ion Ratio Lower Upper
 128 100
 49 170.7 125.7 233.5
 130 137.3 91.0 169.0
 51 52.0 43.1 64.7



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

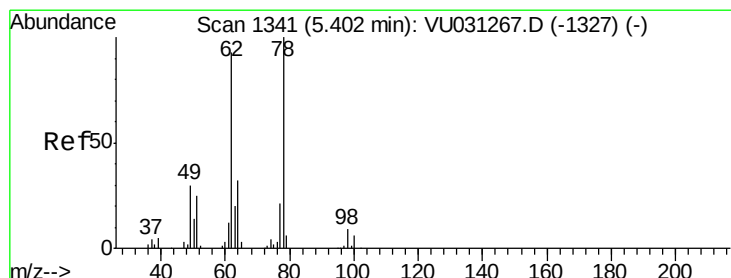
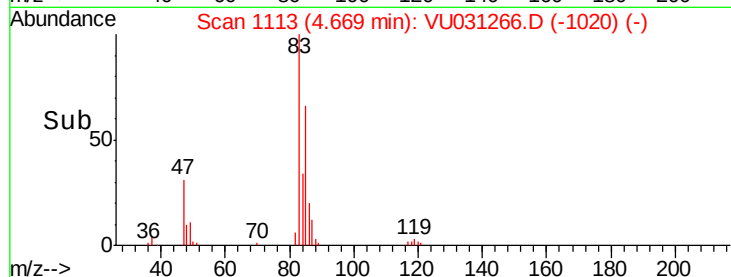
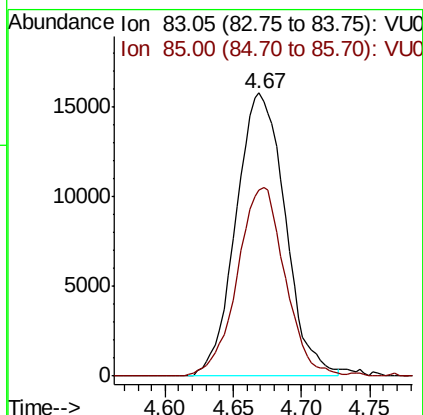
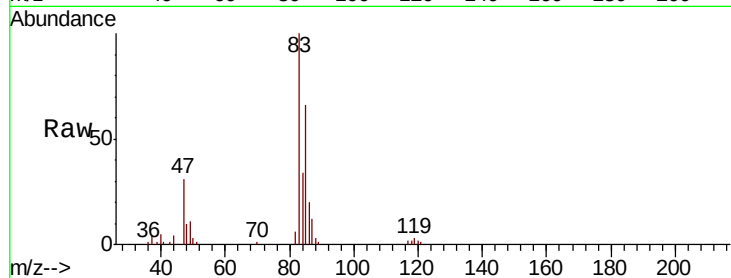




#25
Chloroform
Concen: 0.851 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031266.D
Acq: 17 Apr 2019 19:02

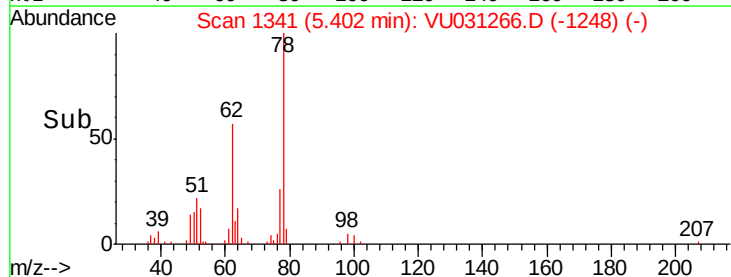
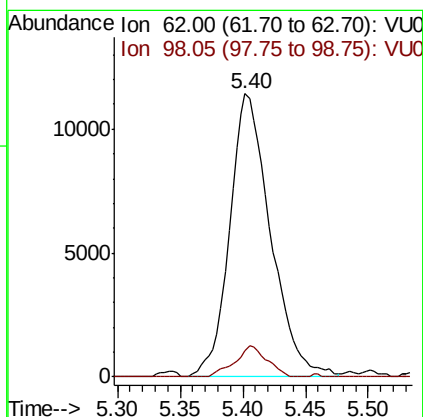
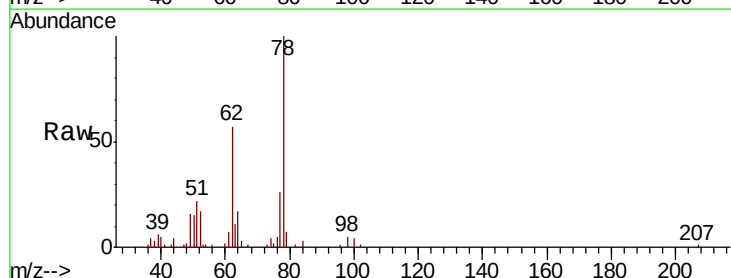
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

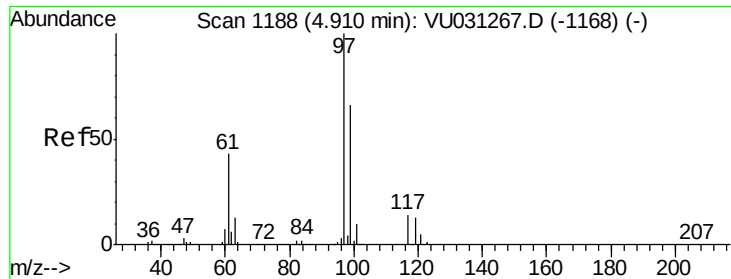
Tgt Ion: 83 Resp: 39473
Ion Ratio Lower Upper
83 100
85 65.6 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.860 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031266.D
Acq: 17 Apr 2019 19:02

Tgt Ion: 62 Resp: 25833
Ion Ratio Lower Upper
62 100
98 9.3 7.3 10.9

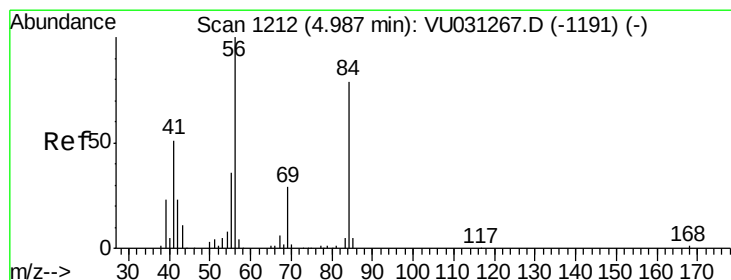
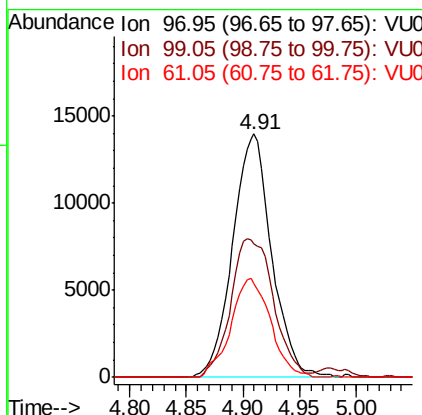
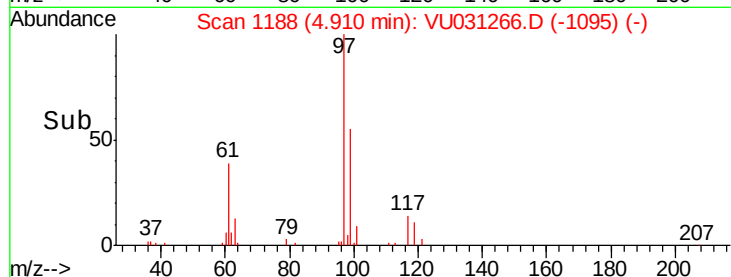
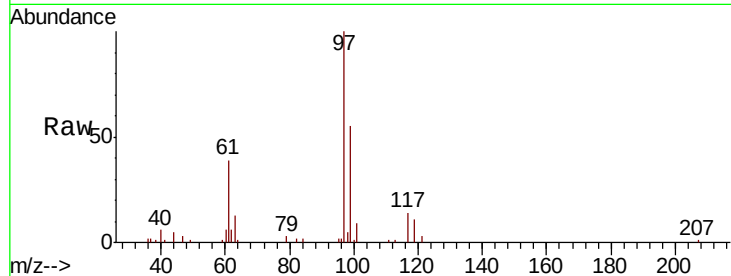




#29
 1,1,1-Trichloroethane
 Concen: 0.904 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU031266.D
 Acq: 17 Apr 2019 19:02

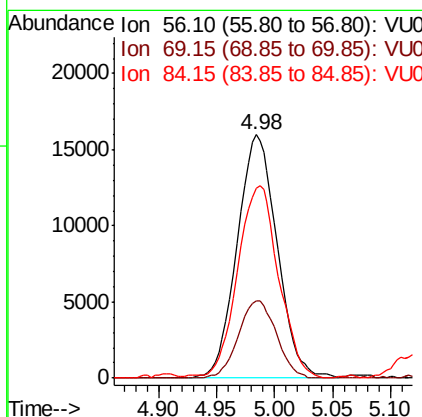
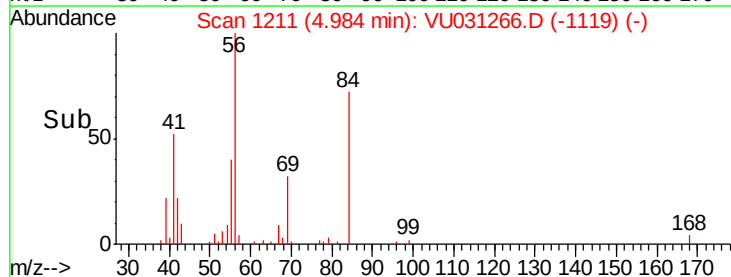
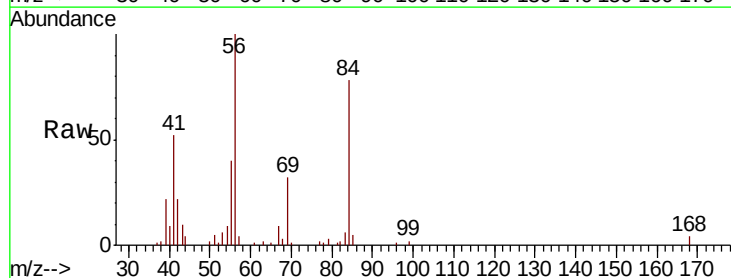
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

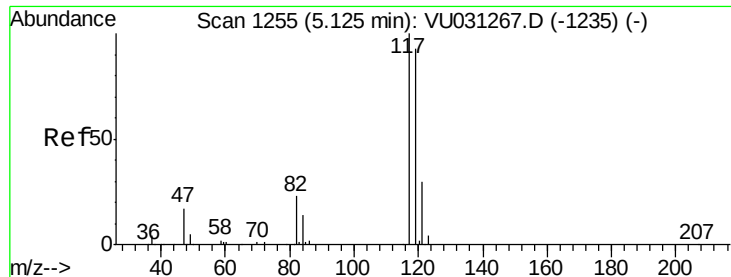
Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	53.9	80.9
61	41.3	35.0	52.6



#30
 Cyclohexane
 Concen: 0.857 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU031266.D
 Acq: 17 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.3	34.9
84	81.5	65.2	97.8

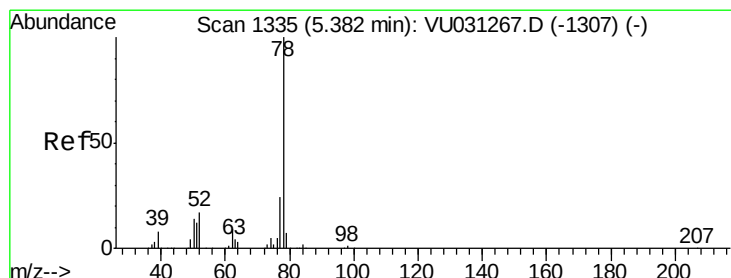
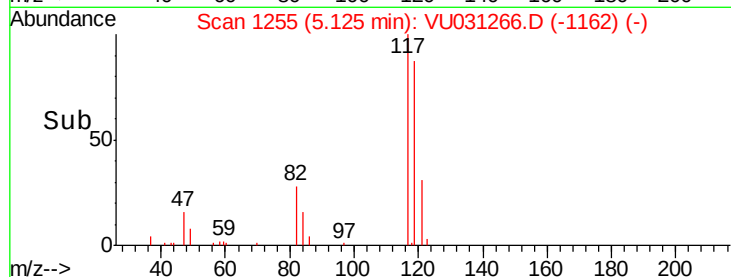
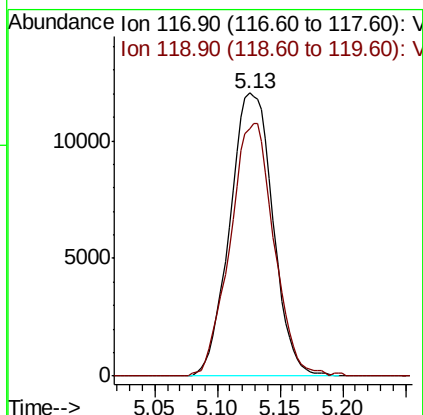
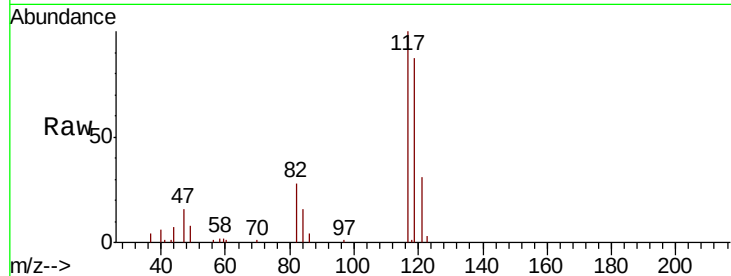




#31
Carbon tetrachloride
Concen: 0.920 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VU031266.D
Acq: 17 Apr 2019 19:02

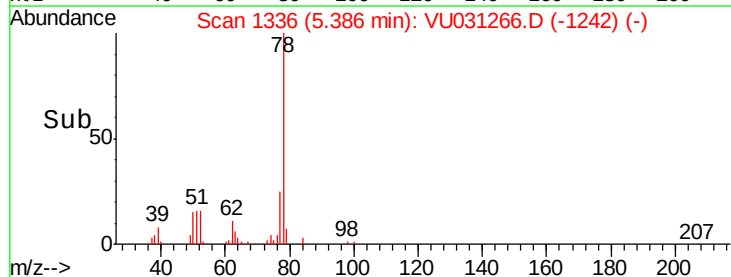
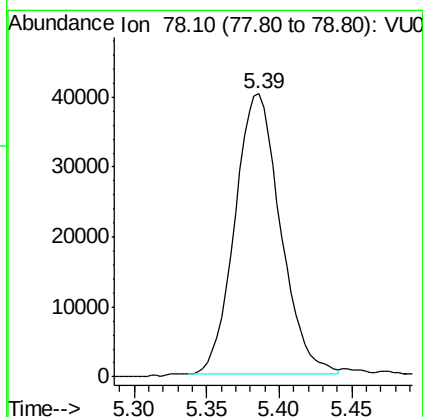
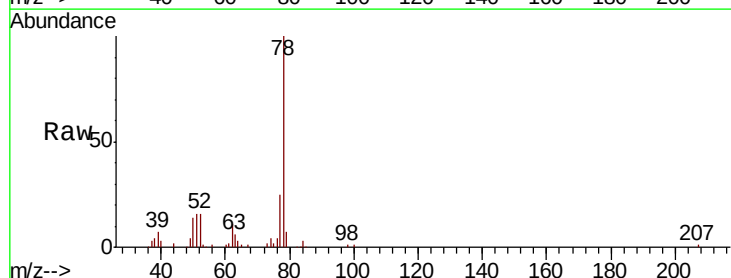
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

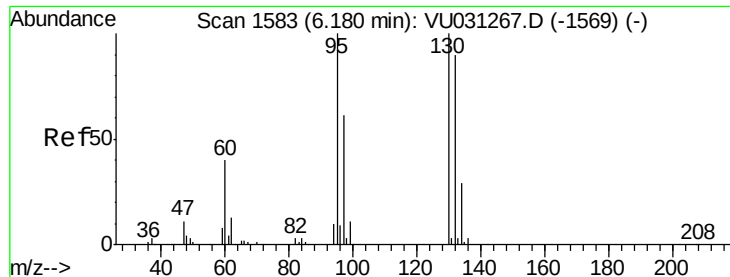
Tgt Ion:117 Resp: 28724
Ion Ratio Lower Upper
117 100
119 90.7 76.4 114.6



#33
Benzene
Concen: 0.893 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU031266.D
Acq: 17 Apr 2019 19:02

Tgt Ion: 78 Resp: 88100





#34

Trichloroethene

Concen: 0.962 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

Tgt Ion: 95 Resp: 23984

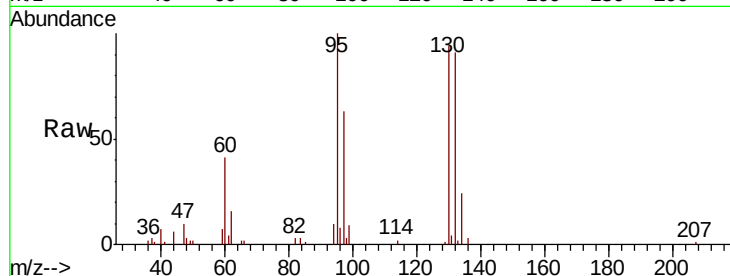
Ion Ratio Lower Upper

95 100

97 63.3 42.7 79.3

132 91.3 62.7 116.5

130 93.8 69.7 129.4

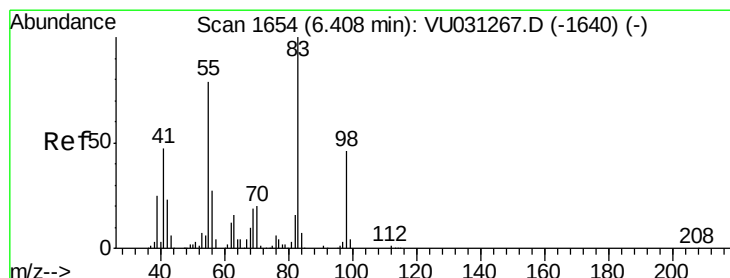
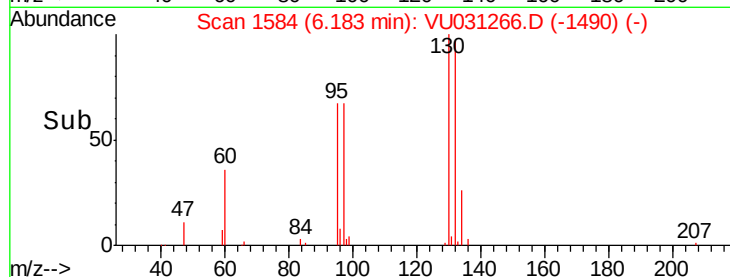
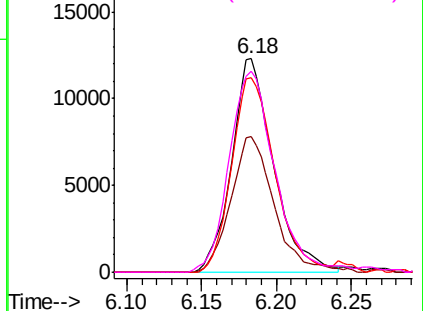


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.848 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

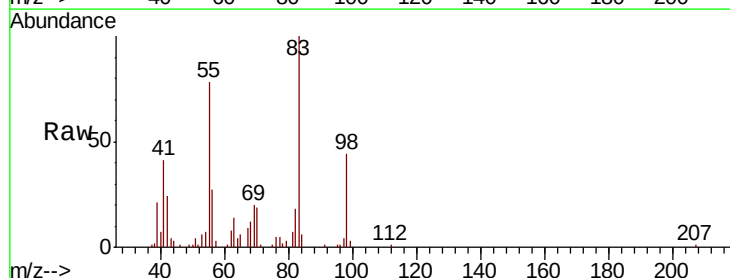
Tgt Ion: 83 Resp: 33307

Ion Ratio Lower Upper

83 100

55 85.6 66.1 99.1

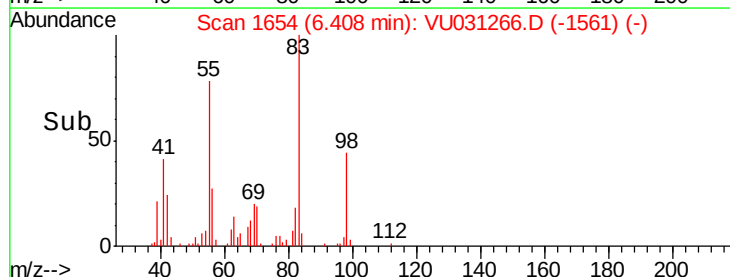
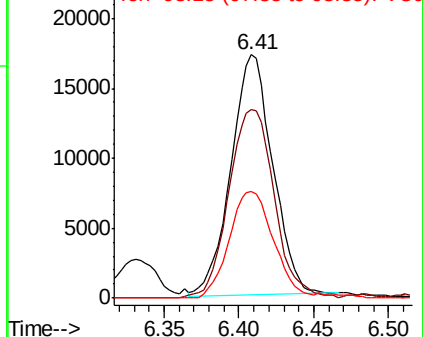
98 46.9 37.8 56.8

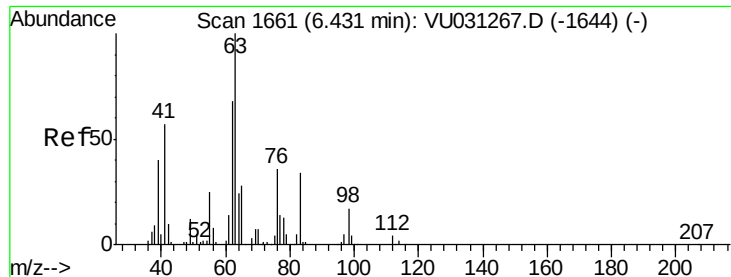


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

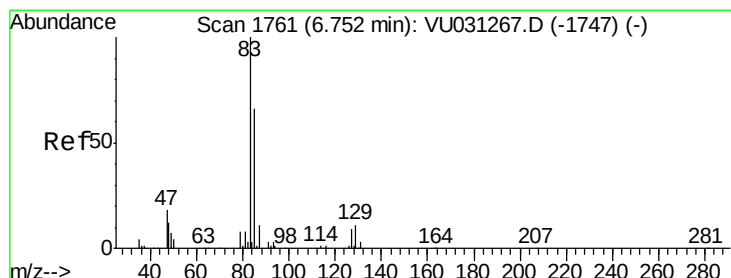
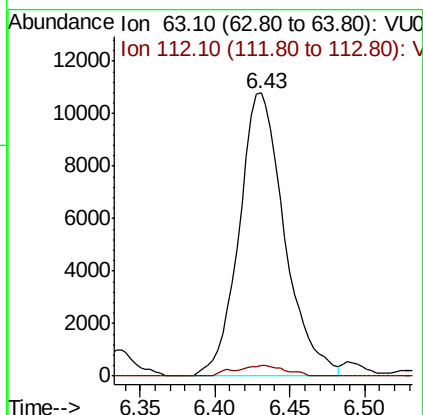
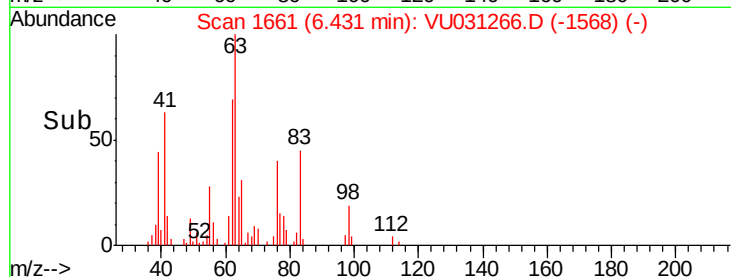
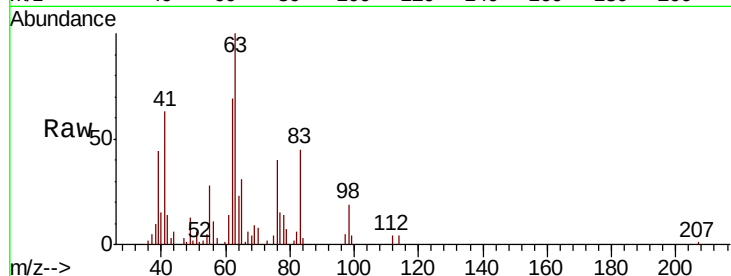




#37
 1,2-Dichloropropane
 Concen: 0.845 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU031266.D
 Acq: 17 Apr 2019 19:02

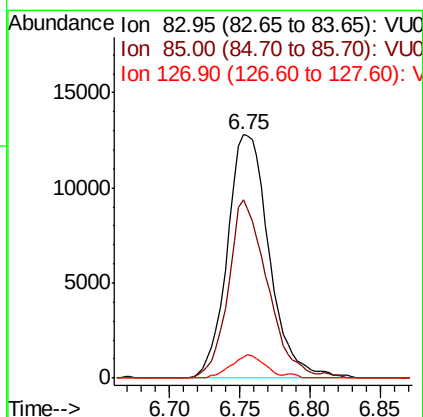
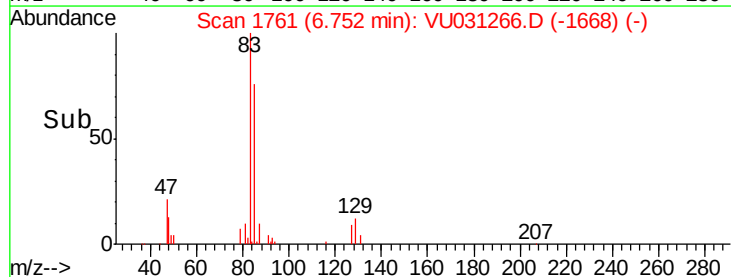
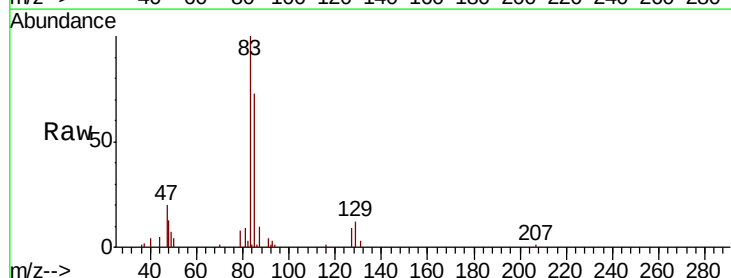
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

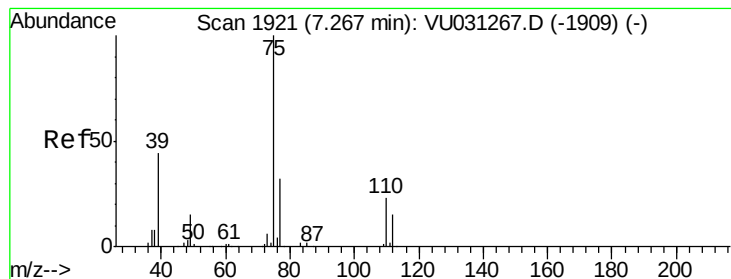
Tgt Ion: 63 Resp: 22810
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 0.838 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031266.D
 Acq: 17 Apr 2019 19:02

Tgt Ion: 83 Resp: 26482
 Ion Ratio Lower Upper
 83 100
 85 73.3 46.0 85.4
 127 8.7 6.8 10.2



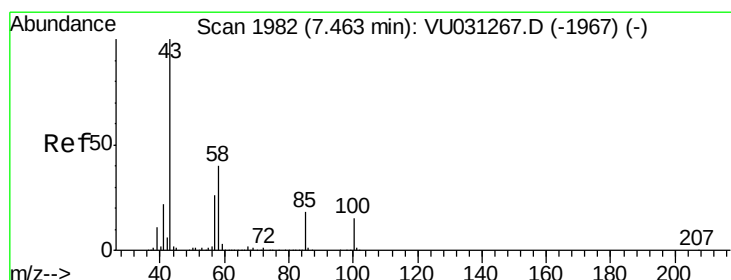
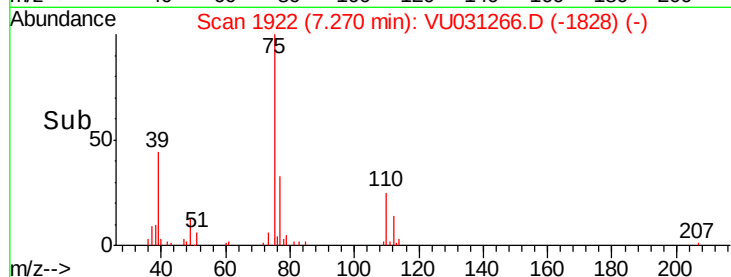
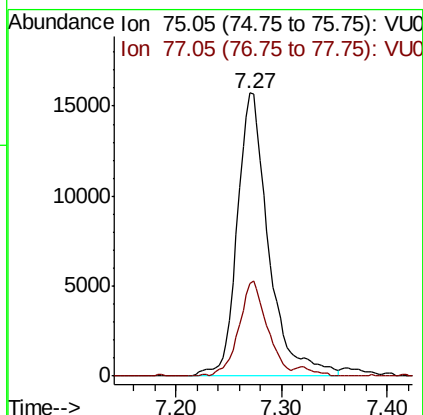
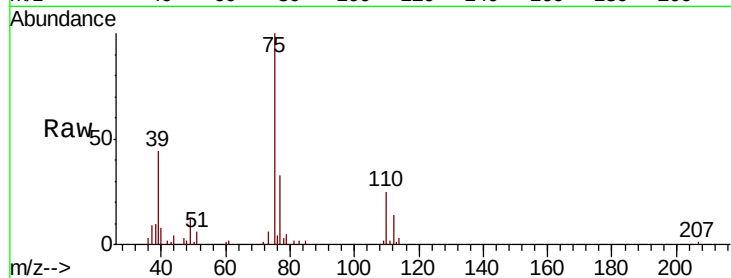


#39

cis-1,3-Dichloropropene
 Concen: 0.904 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU031266.D
 Acq: 17 Apr 2019 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

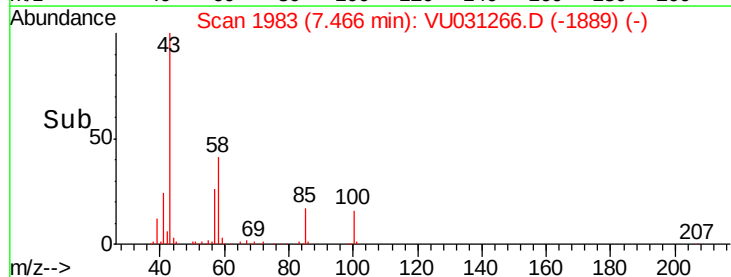
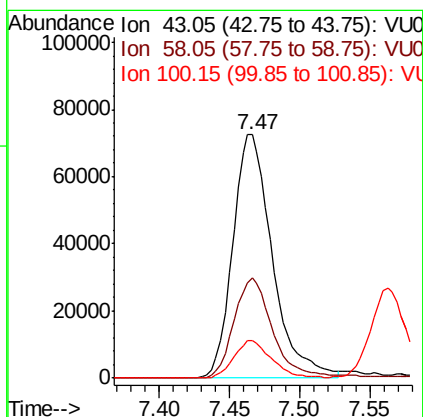
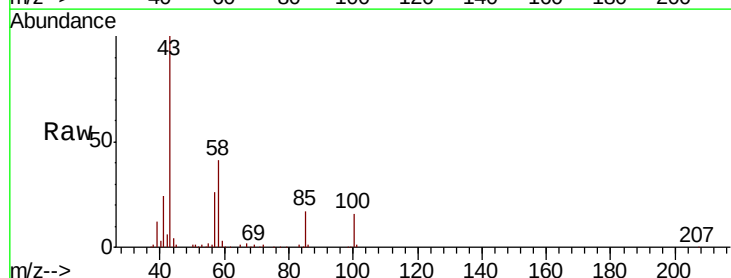
Tgt Ion: 75 Resp: 32545
 Ion Ratio Lower Upper
 75 100
 77 32.6 23.2 43.0

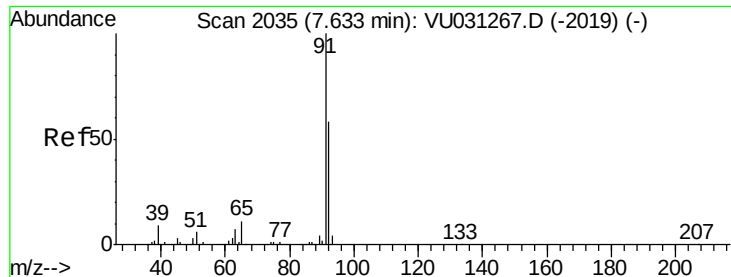


#40

4-Methyl-2-pentanone
 Concen: 8.428 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VU031266.D
 Acq: 17 Apr 2019 19:02

Tgt Ion: 43 Resp: 142238
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.8 47.8
 100 14.8 11.5 17.3





#42

Toluene

Concen: 0.923 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

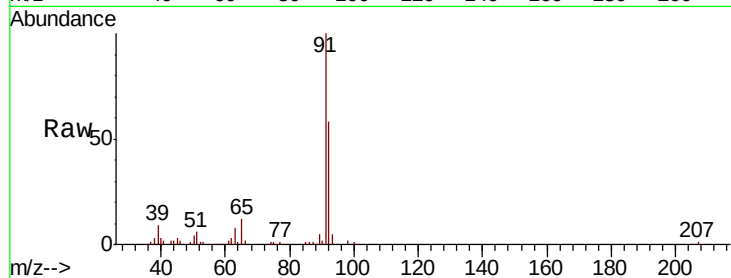
VSTD00103

Tgt Ion: 91 Resp: 92043

Ion Ratio Lower Upper

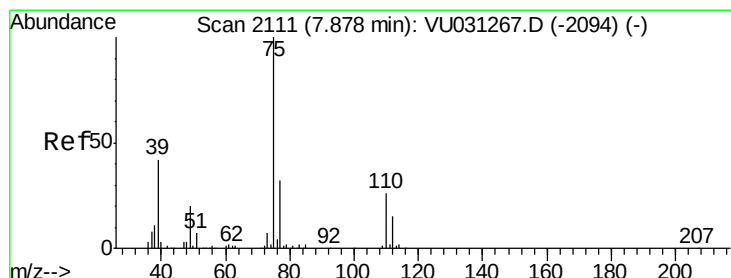
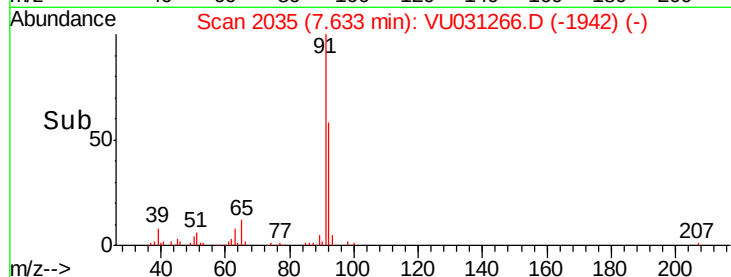
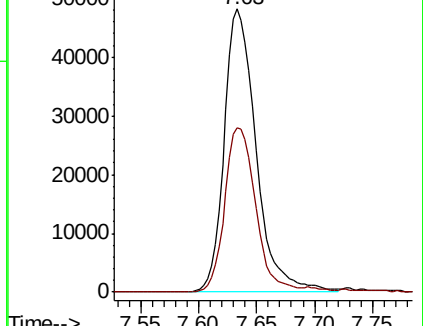
91 100

92 58.3 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU031267.D (-2019) (-)

Ion 92.15 (91.85 to 92.85): VU031266.D (-1942) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.819 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU031266.D

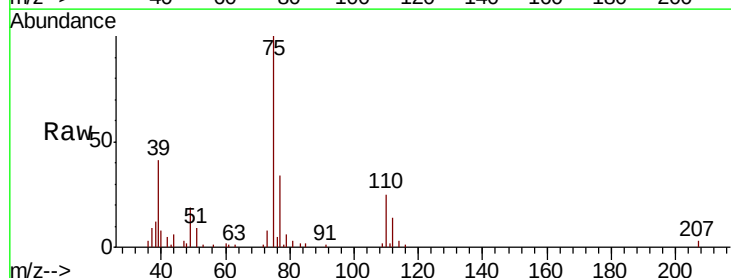
Acq: 17 Apr 2019 19:02

Tgt Ion: 75 Resp: 23071

Ion Ratio Lower Upper

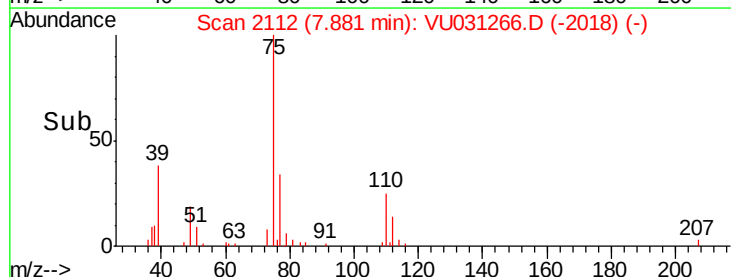
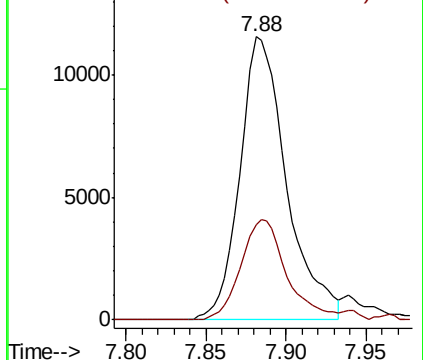
75 100

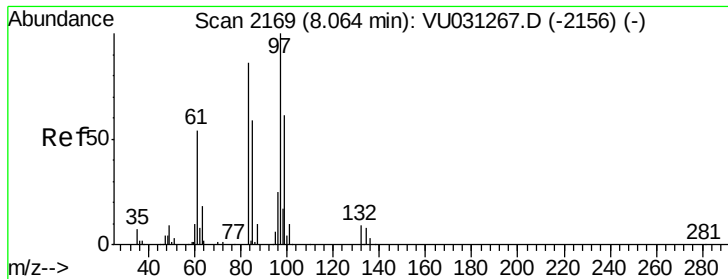
77 33.7 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VU031267.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU031266.D (-2018) (-)





#45

1,1,2-Trichloroethane

Concen: 0.967 ug/L

RT: 8.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

Tgt Ion: 97 Resp: 16008

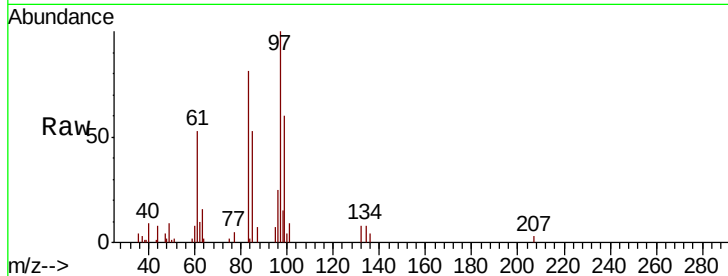
Ion Ratio Lower Upper

97 100

99 60.3 42.8 79.6

83 80.6 60.4 112.2

85 52.8 41.4 77.0

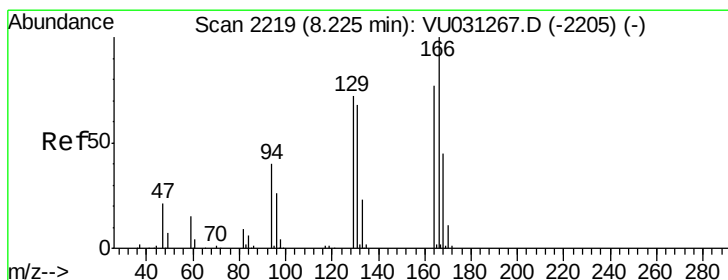
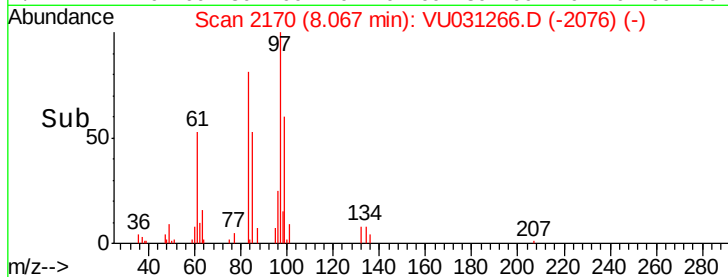
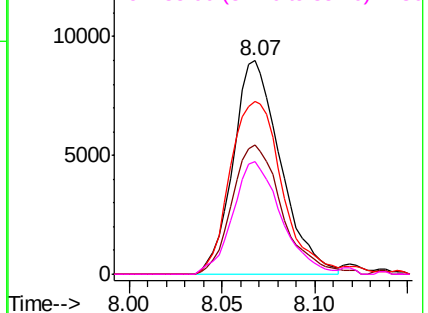


Abundance Ion 96.95 (96.65 to 97.65): VU031267.D (-2156) (-)

Ion 99.05 (98.75 to 99.75): VU031267.D (-2156) (-)

Ion 82.95 (82.65 to 83.65): VU031267.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU031267.D (-2156) (-)



#47

Tetrachloroethene

Concen: 1.030 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Tgt Ion: 164 Resp: 18361

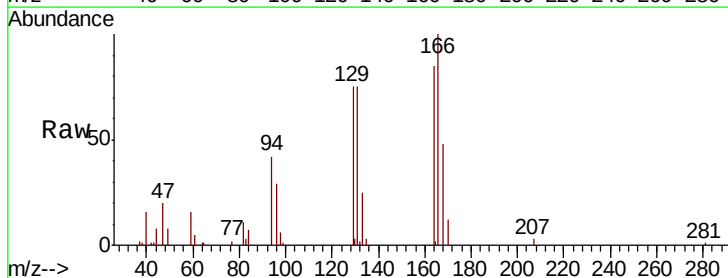
Ion Ratio Lower Upper

164 100

129 88.1 65.2 121.2

131 87.5 61.9 114.9

166 117.4 91.2 169.4

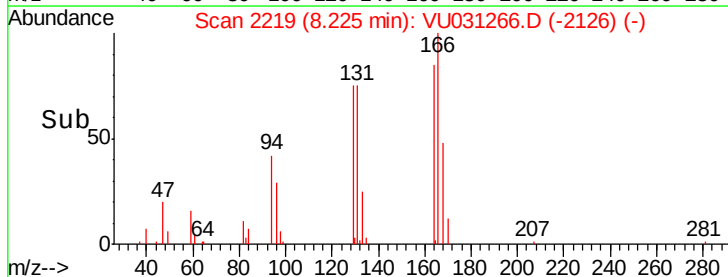
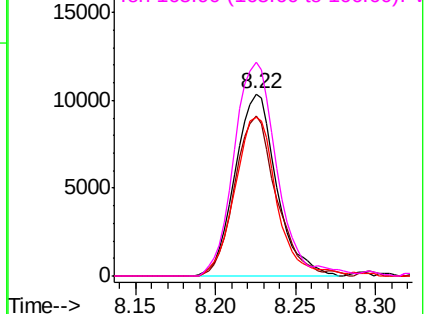


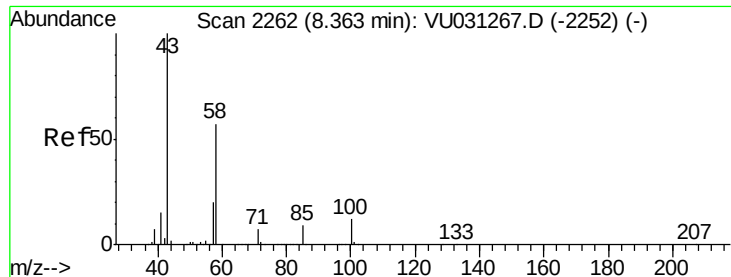
Abundance Ion 163.90 (163.60 to 164.60): VU031267.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VU031267.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VU031267.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VU031267.D (-2205) (-)

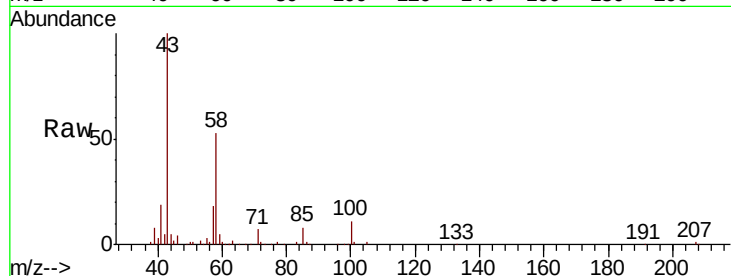




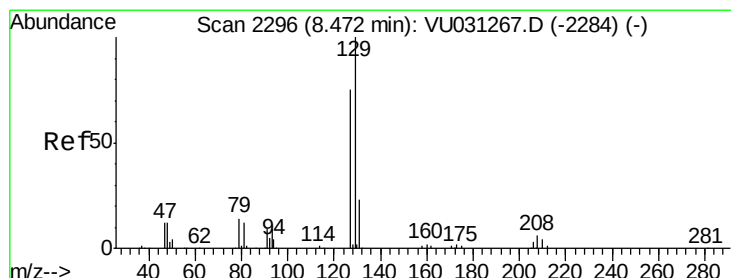
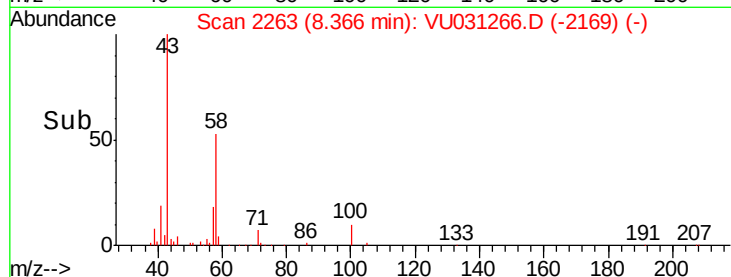
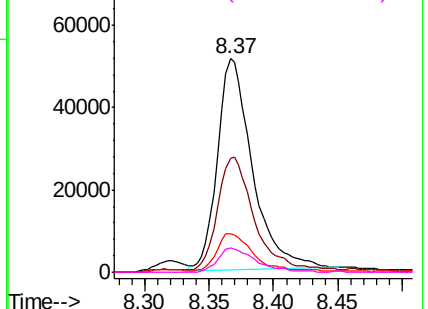
#48
2-Hexanone
Concen: 8.326 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU031266.D
Acq: 17 Apr 2019 19:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tgt Ion:	43	Resp:	97067
Ion	Ratio	Lower	Upper
43	100		
58	55.8	44.4	66.6
57	18.6	15.7	23.5
100	12.0	9.3	13.9

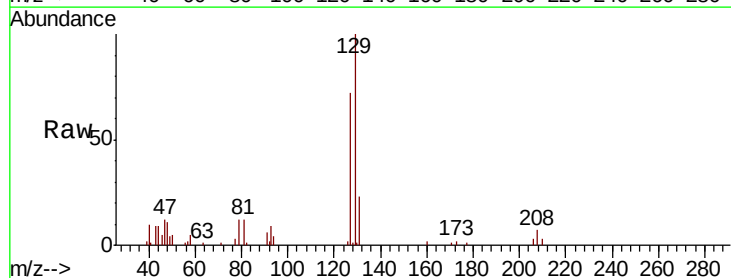


Abundance Ion 43.05 (42.75 to 43.75): VU031266.D (-2169) (-)
Ion 58.05 (57.75 to 58.75): VU031266.D (-2169) (-)
Ion 57.20 (56.90 to 57.90): VU031266.D (-2169) (-)
Ion 100.15 (99.85 to 100.85): VU031266.D (-2169) (-)

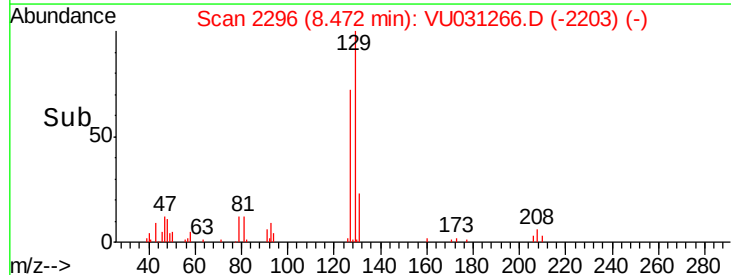
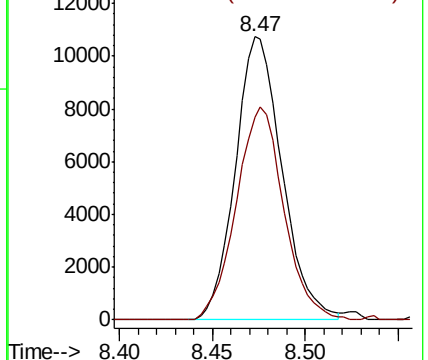


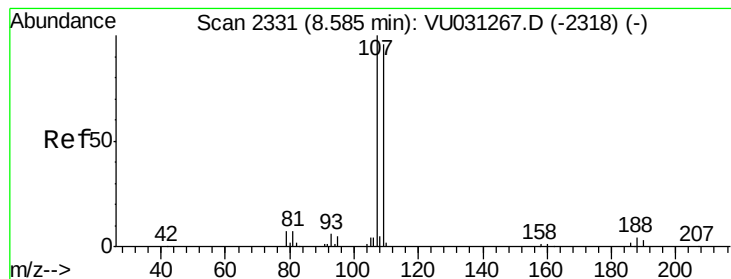
#49
Dibromochloromethane
Concen: 0.958 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031266.D
Acq: 17 Apr 2019 19:02

Tgt Ion:	129	Resp:	18767
Ion	Ratio	Lower	Upper
129	100		
127	71.7	52.3	97.1



Abundance Ion 128.95 (128.65 to 129.65): VU031266.D (-2203) (-)
Ion 126.90 (126.60 to 127.60): VU031266.D (-2203) (-)





#50

1,2-Dibromoethane

Concen: 0.983 ug/L

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

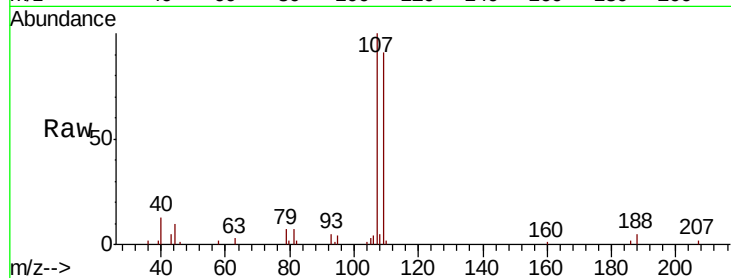
Tgt Ion:107 Resp: 15163

Ion Ratio Lower Upper

107 100

109 90.9 67.3 124.9

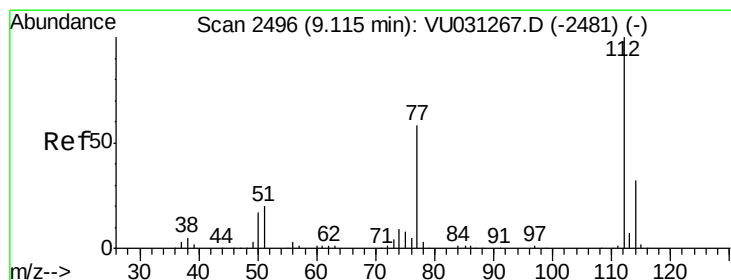
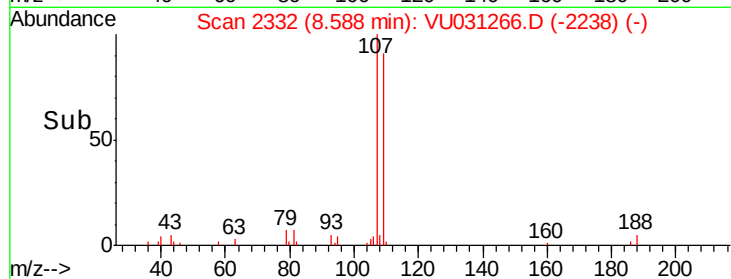
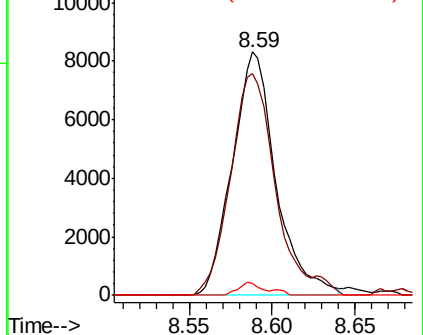
188 5.0 2.8 4.2#



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: 0.927 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

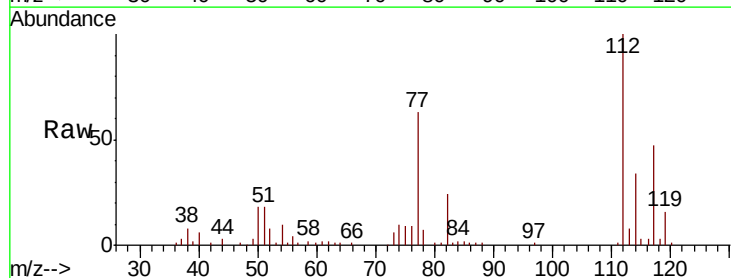
Tgt Ion:112 Resp: 57352

Ion Ratio Lower Upper

112 100

114 34.2 22.2 41.2

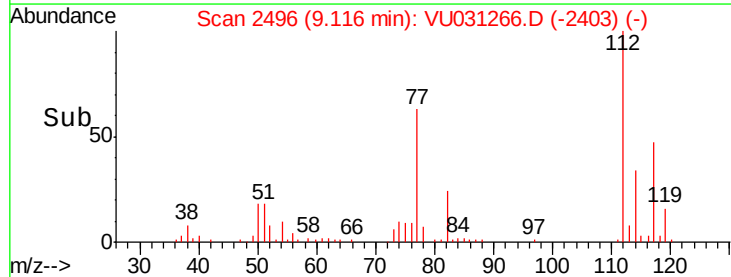
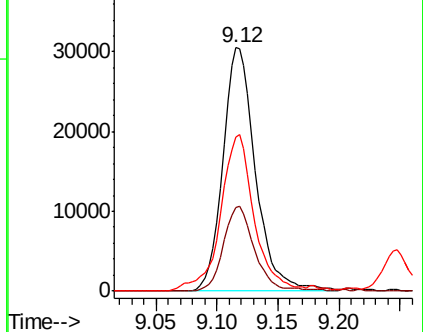
77 63.5 46.7 70.1

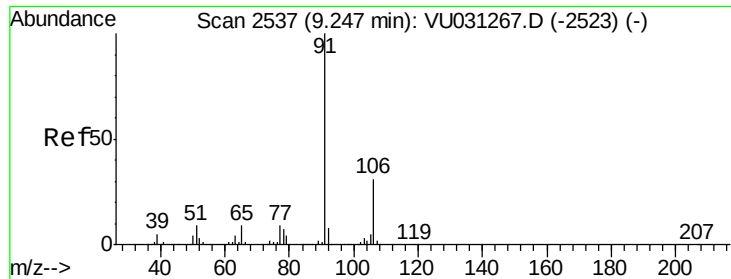


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.891 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

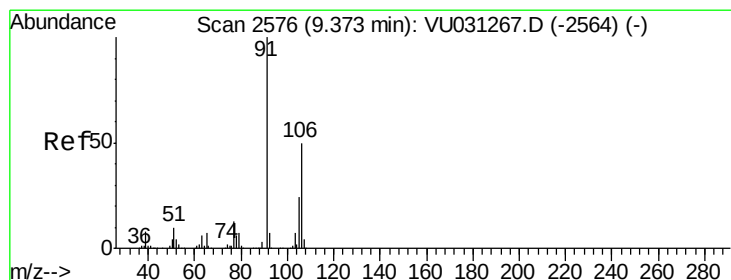
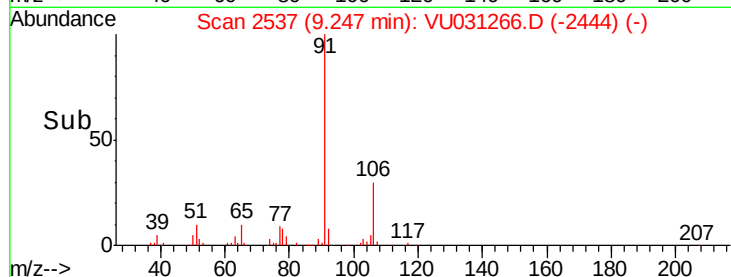
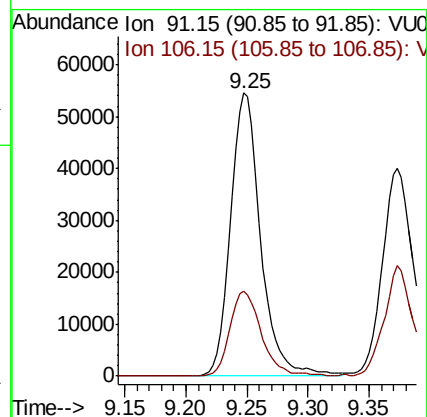
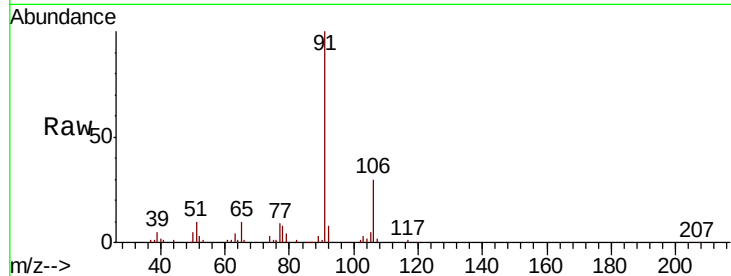
VSTD00103

Tgt Ion: 91 Resp: 94547

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.6



#53

m,p-Xylene

Concen: 0.938 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031266.D

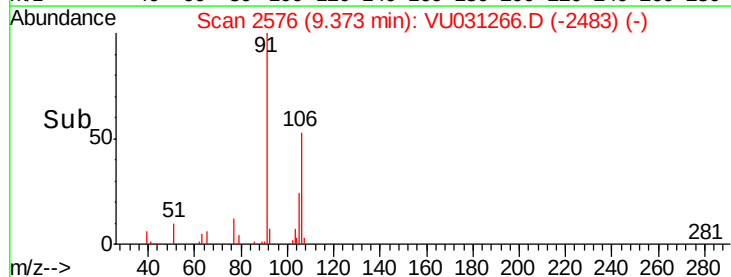
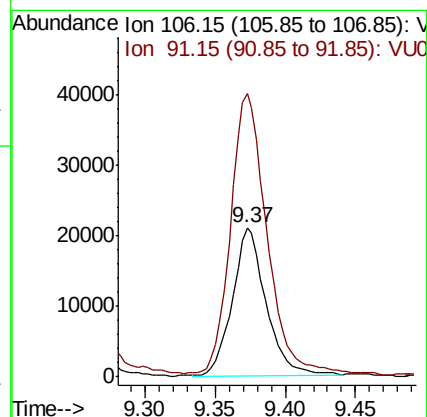
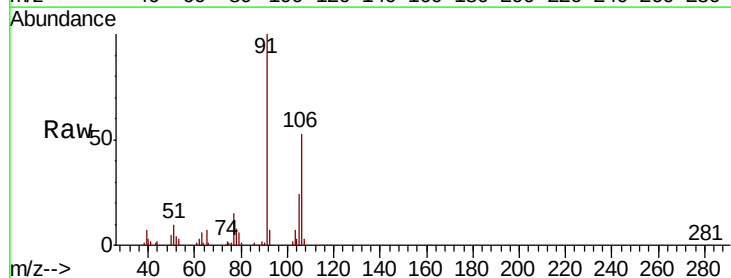
Acq: 17 Apr 2019 19:02

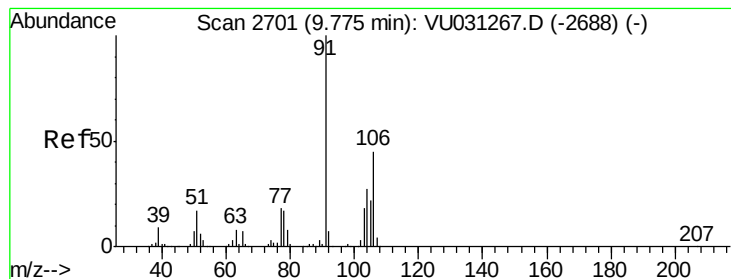
Tgt Ion: 106 Resp: 35160

Ion Ratio Lower Upper

106 100

91 189.2 139.8 259.6





#54

o-Xylene

Concen: 0.943 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

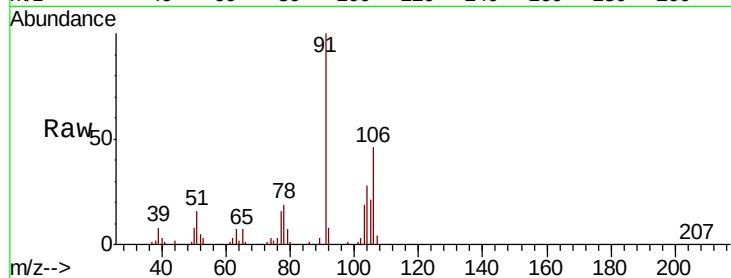
VSTD00103

Tgt Ion:106 Resp: 34755

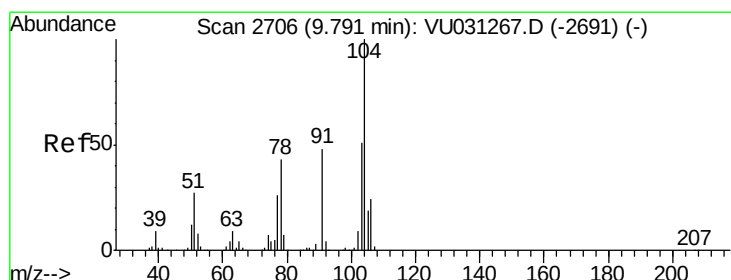
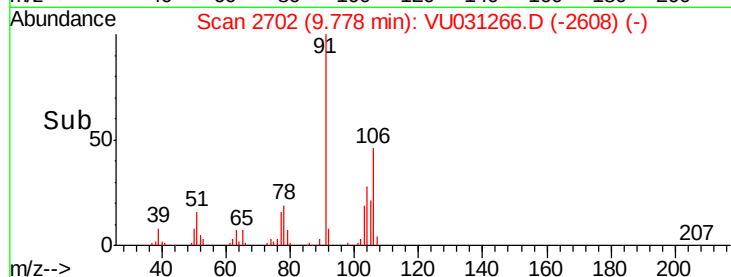
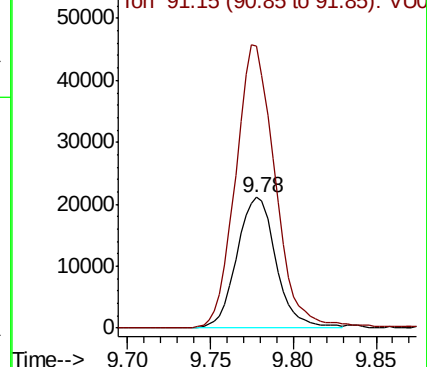
Ion Ratio Lower Upper

106 100

91 215.1 153.9 285.9



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 0.906 ug/L

RT: 9.79 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VU031266.D

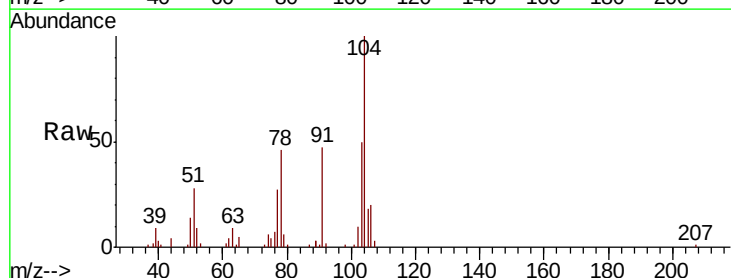
Acq: 17 Apr 2019 19:02

Tgt Ion:104 Resp: 55833

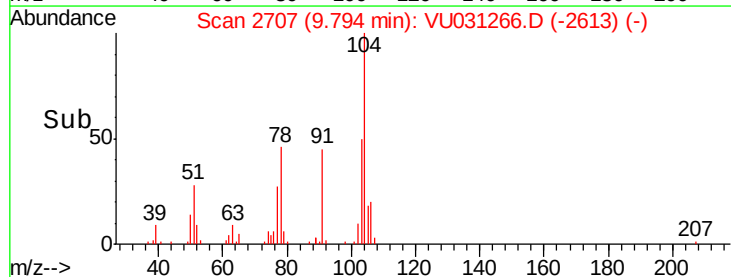
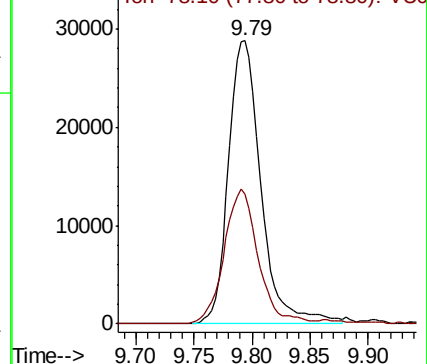
Ion Ratio Lower Upper

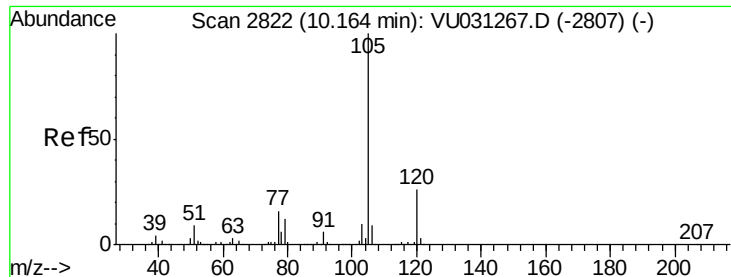
104 100

78 46.0 30.0 55.8



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 0.913 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

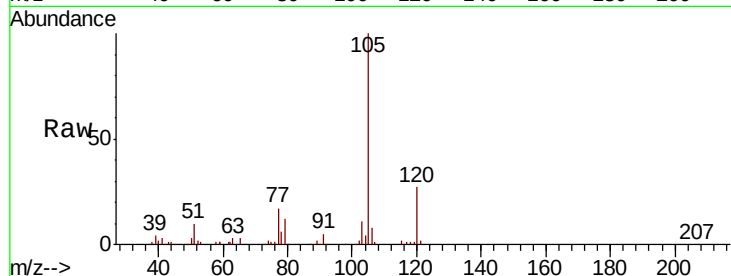
Tgt Ion: 105 Resp: 89538

Ion Ratio Lower Upper

105 100

120 26.3 20.8 31.2

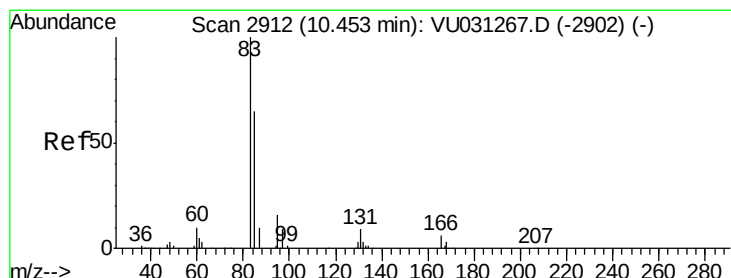
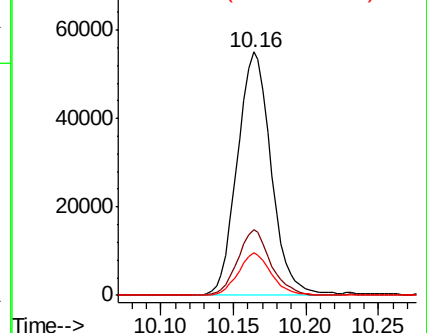
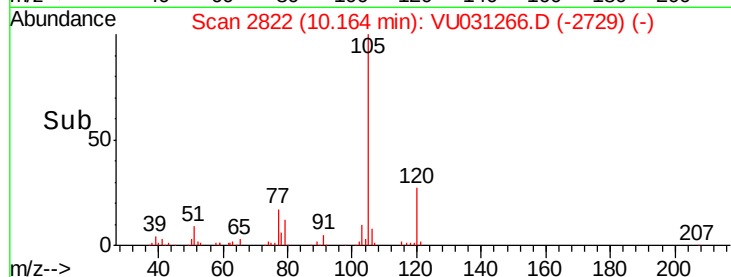
77 17.0 12.4 18.6



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: 0.935 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

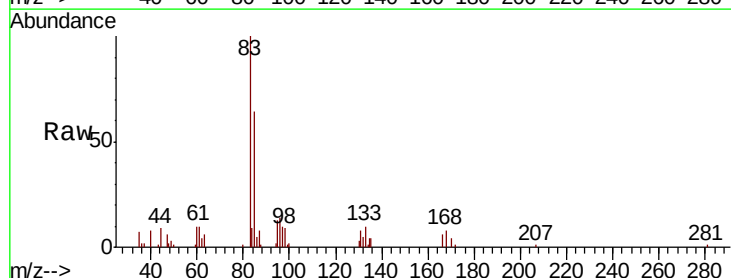
Tgt Ion: 83 Resp: 20228

Ion Ratio Lower Upper

83 100

85 64.1 46.5 86.3

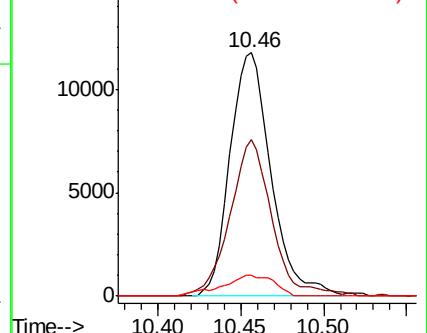
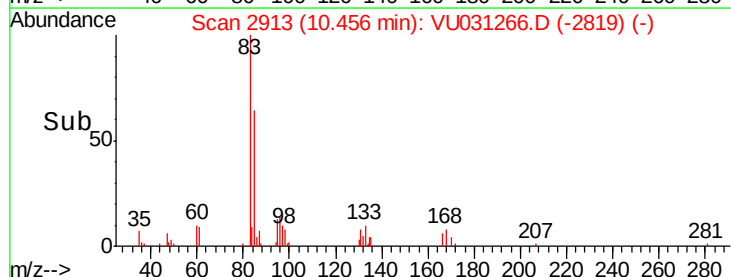
131 8.5 7.8 11.6

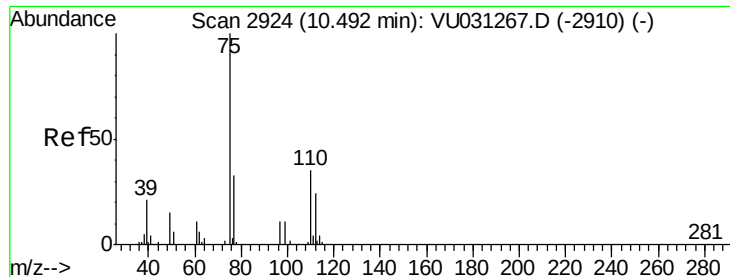


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.946 ug/L

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

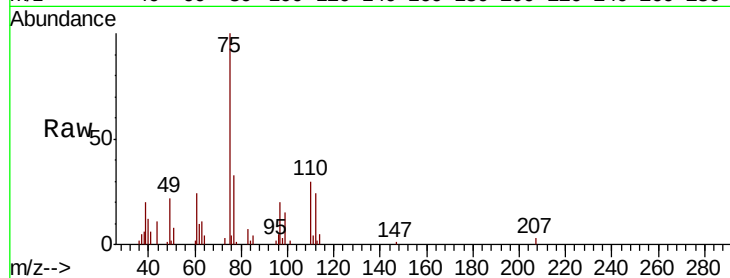
VSTD00103

Tgt Ion: 75 Resp: 14465

Ion Ratio Lower Upper

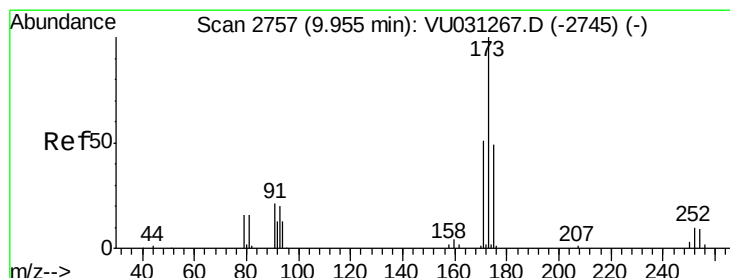
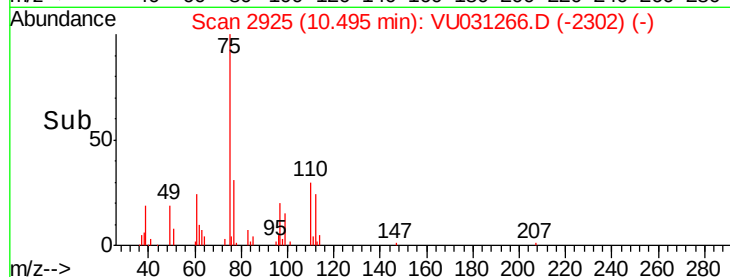
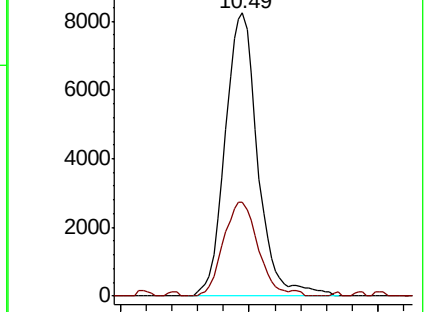
75 100

77 35.1 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU031267.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU031267.D (-2910) (-)



#61

Bromoform

Concen: 1.037 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

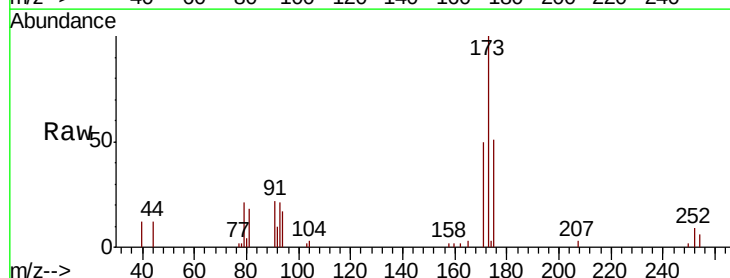
Tgt Ion: 173 Resp: 10920

Ion Ratio Lower Upper

173 100

175 45.9 39.3 58.9

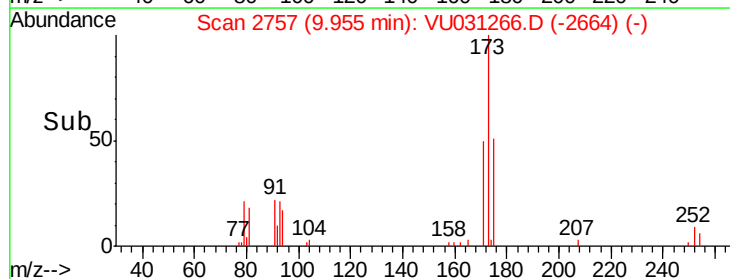
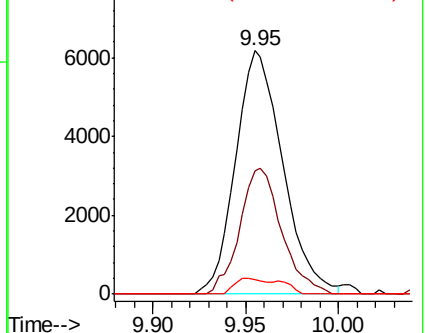
254 4.5 7.7 11.5#

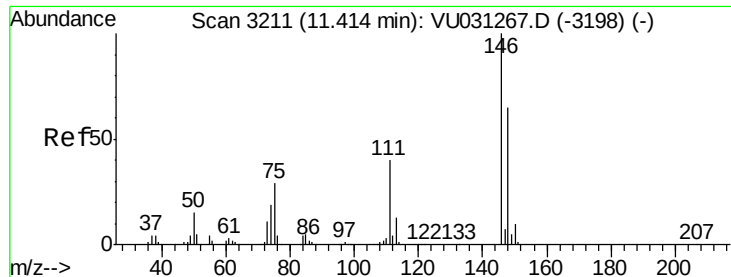


Abundance Ion 172.90 (172.60 to 173.60): VU031267.D (-2745) (-)

Ion 174.90 (174.60 to 175.60): VU031267.D (-2745) (-)

Ion 253.75 (253.45 to 254.45): VU031267.D (-2745) (-)





#62

1,3-Dichlorobenzene

Concen: 0.941 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

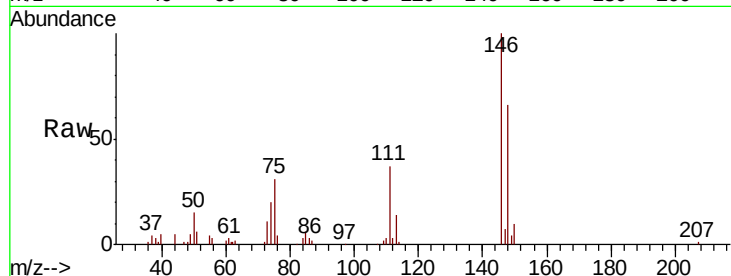
Tgt Ion:146 Resp: 41367

Ion Ratio Lower Upper

146 100

111 36.8 27.6 51.4

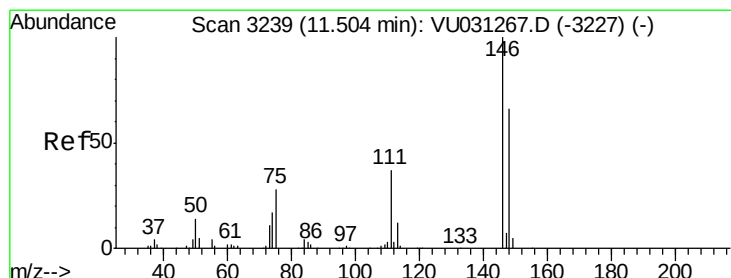
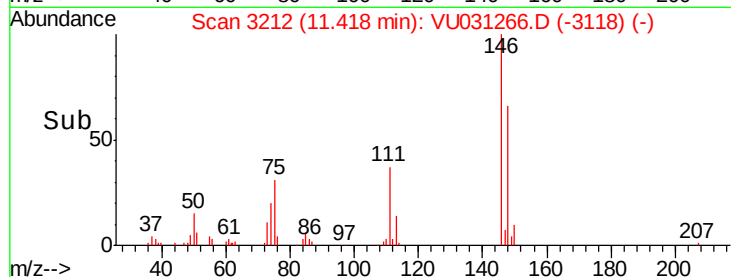
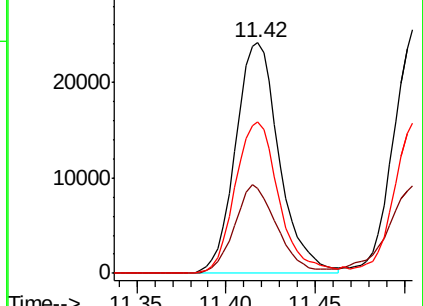
148 65.6 45.6 84.6



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: 0.939 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

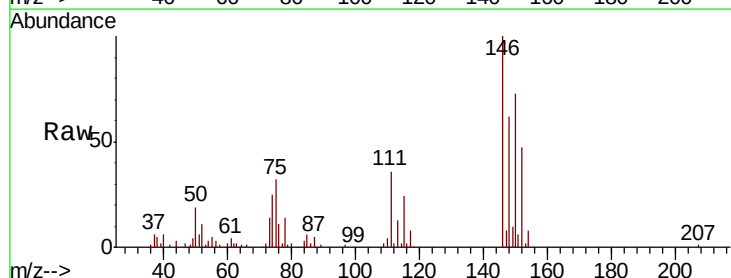
Tgt Ion:146 Resp: 43037

Ion Ratio Lower Upper

146 100

111 35.9 26.5 49.1

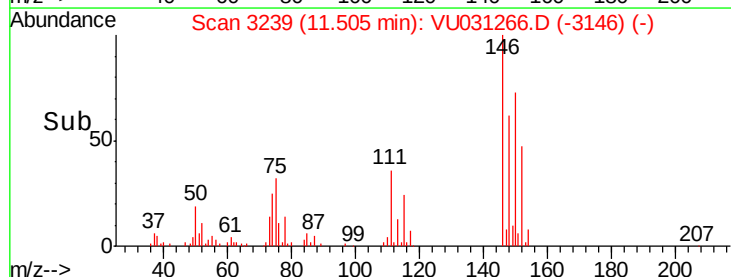
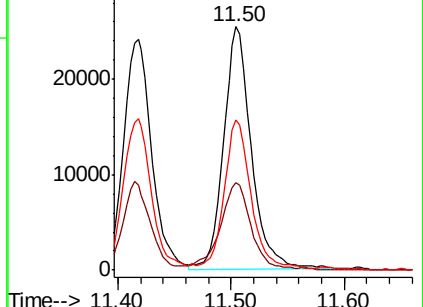
148 61.6 46.0 85.4

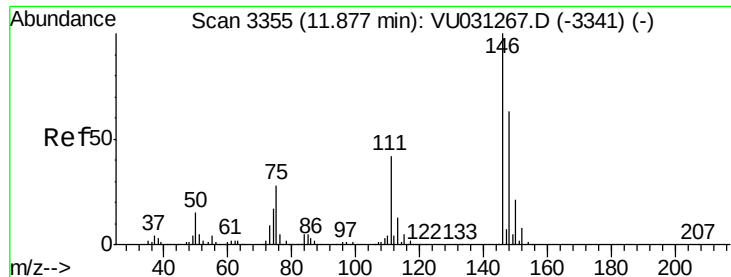


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

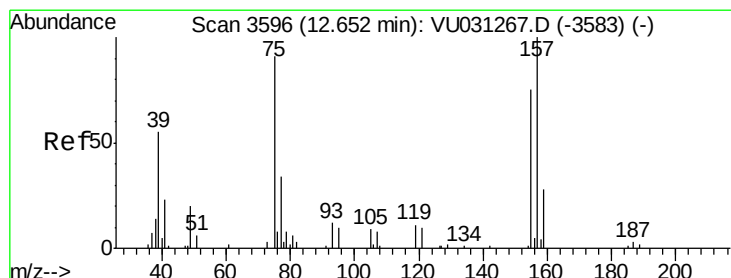
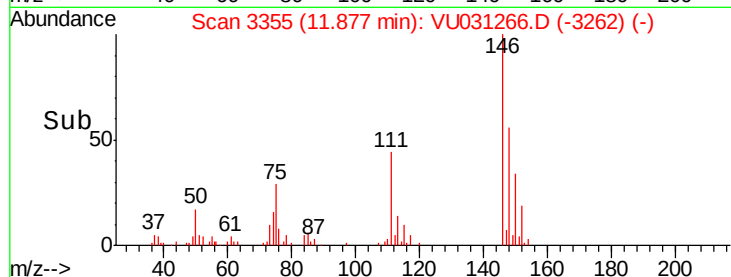
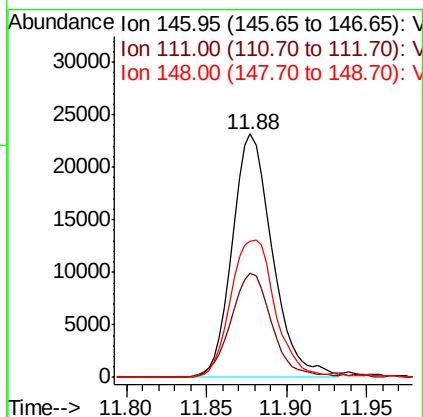
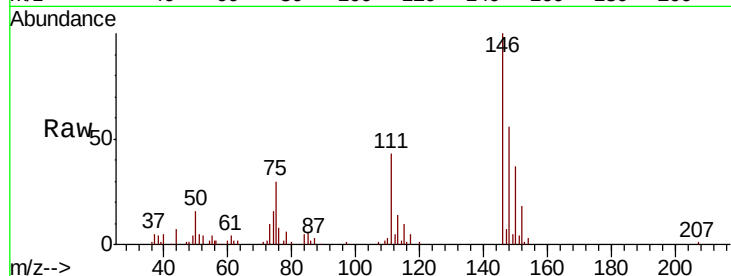




#65
 1,2-Dichlorobenzene
 Concen: 0.926 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU031266.D
 Acq: 17 Apr 2019 19:02

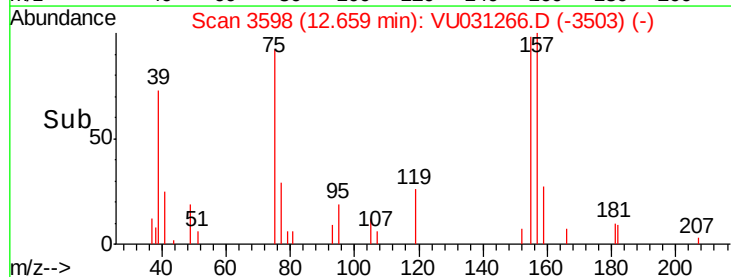
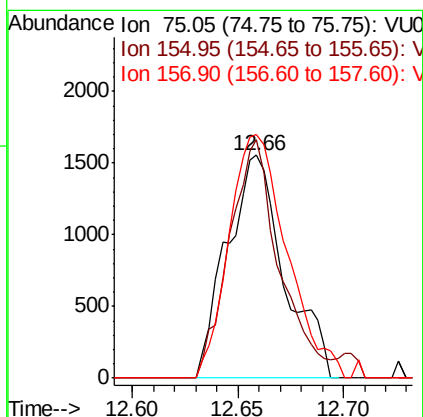
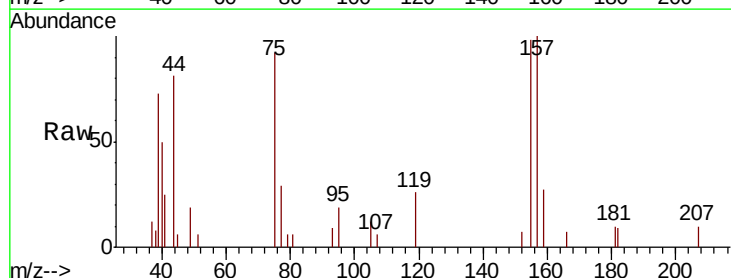
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

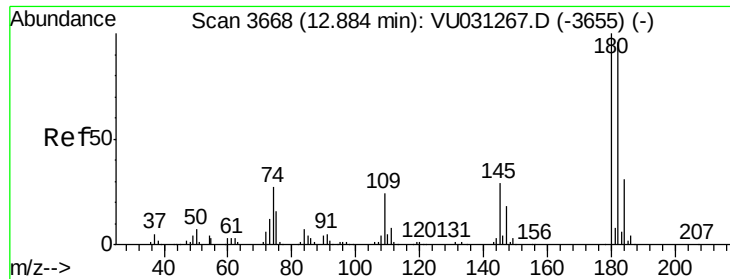
Tgt Ion: 146 Resp: 39662
 Ion Ratio Lower Upper
 146 100
 111 42.7 33.6 50.4
 148 56.1 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.895 ug/L
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.01 min
 Lab File: VU031266.D
 Acq: 17 Apr 2019 19:02

Tgt Ion: 75 Resp: 2937
 Ion Ratio Lower Upper
 75 100
 155 106.8 66.0 99.0#
 157 109.3 88.2 132.4

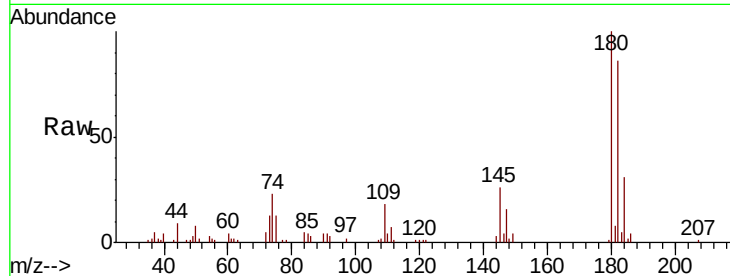




#67
 1,3,5-Trichlorobenzene
 Concen: 0.985 ug/L
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: VU031266.D
 Acq: 17 Apr 2019 19:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.7	76.9	115.3
184	29.7	24.8	37.2
145	28.1	23.0	34.6



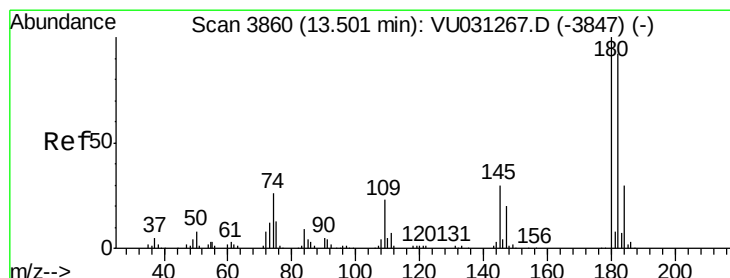
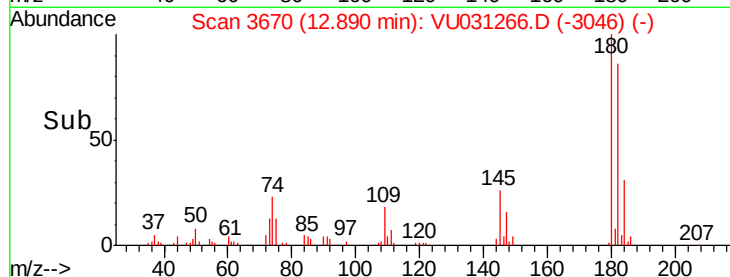
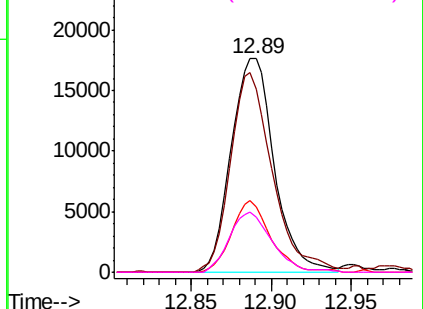
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

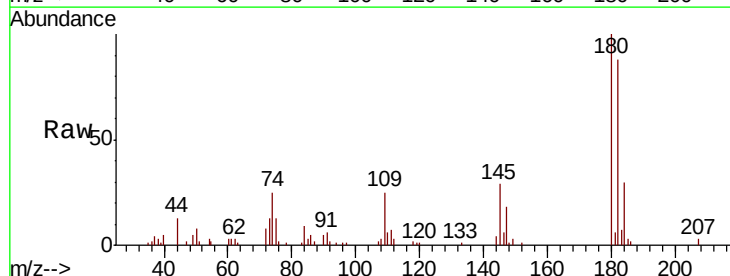
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.024 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU031266.D
 Acq: 17 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.2	75.6	113.4
145	28.1	22.6	34.0

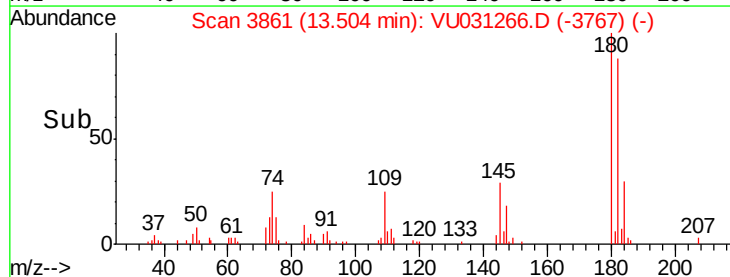
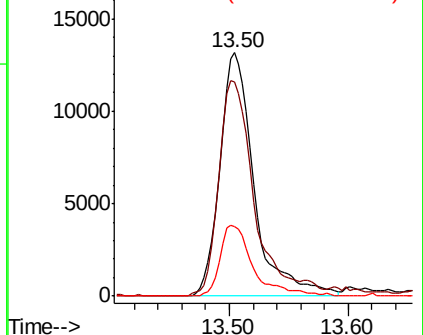


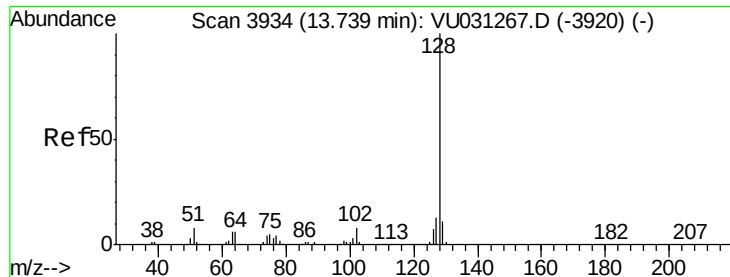
Abundance

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





#69

Naphthalene

Concen: 1.898 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

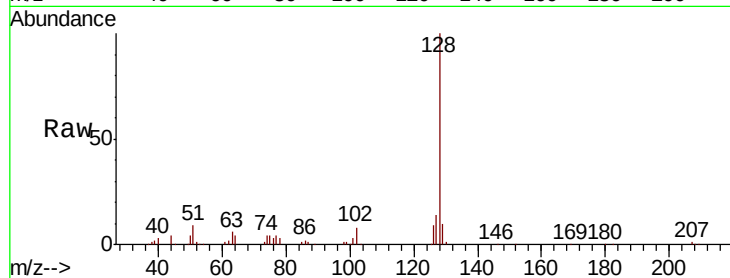
Tgt Ion:128 Resp: 84474

Ion Ratio Lower Upper

128 100

129 9.4 8.4 12.6

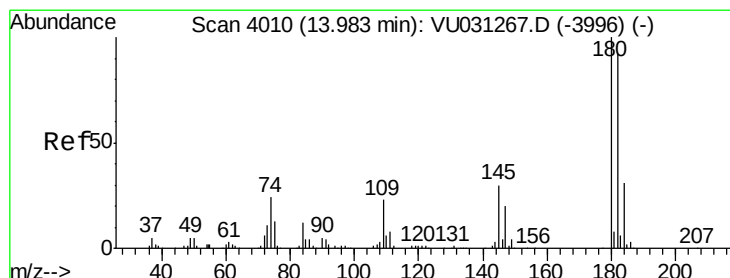
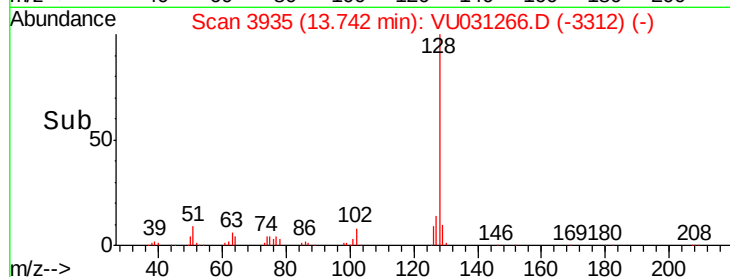
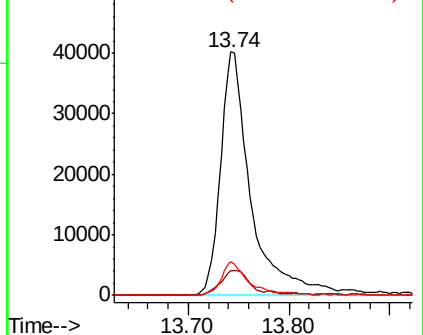
127 12.1 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.053 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU031266.D

Acq: 17 Apr 2019 19:02

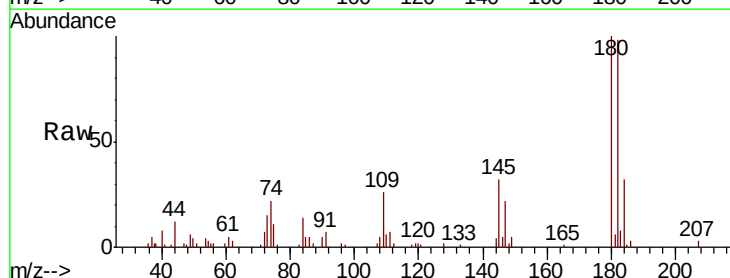
Tgt Ion:180 Resp: 25502

Ion Ratio Lower Upper

180 100

182 93.3 74.4 111.6

145 32.2 24.4 36.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

