

Data File : VU033158.D
Acq On : 02 Jul 2019 22:12
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Quant Time: Jul 03 02:20:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 02:14:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	87033	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	89574	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	47327	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	23814	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.68	69	21742	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.27	63	57742	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	4.19	46	93668	51.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.14%
24) Chloroform-d	4.64	84	58381	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.31	65	32446	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.33	84	101796	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.32	67	34216	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.56	98	99380	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	7.85	79	14035	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.31	63	62530	49.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31561	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	41360	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	43666	4.897	ug/L 99
3) Chloromethane	1.33	50	42600	4.958	ug/L 99
5) Vinyl chloride	1.40	62	42501	5.033	ug/L 97
6) Bromomethane	1.62	94	23674	4.889	ug/L 98
8) Chloroethane	1.69	64	24352	4.747	ug/L 97
9) Trichlorofluoromethane	1.88	101	61884	5.129	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	31471	5.017	ug/L 99
12) 1,1-Dichloroethene	2.28	96	28670	5.048	ug/L 93
13) Acetone	2.32	43	75502	51.208	ug/L 98
14) Carbon disulfide	2.47	76	91350	4.879	ug/L 99
15) Methyl Acetate	2.61	43	17693	5.062	ug/L 99
16) Methylene chloride	2.69	84	33424	5.007	ug/L 93
17) Methyl tert-butyl Ether	3.00	73	83496	5.073	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	31183	4.976	ug/L 98
19) 1,1-Dichloroethane	3.43	63	63313	5.033	ug/L 97
21) 2-Butanone	4.27	43	104211	48.863	ug/L 100
22) cis-1,2-Dichloroethene	4.22	96	34162	4.931	ug/L 92

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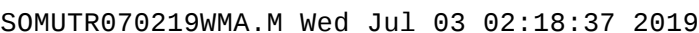
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ClientSampleId :
VSTD00511

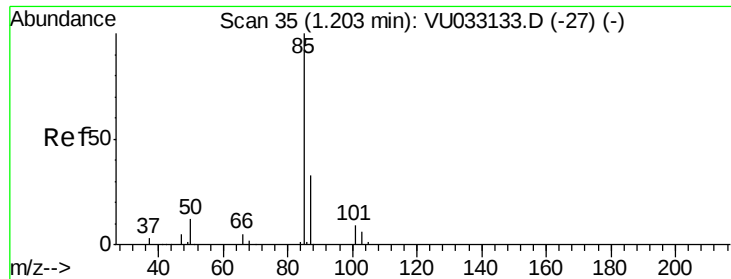
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	16246	5.036	ug/L	97
25) Chloroform	4.67	83	66185	4.758	ug/L	97
27) 1,2-Dichloroethane	5.40	62	44757	4.968	ug/L	97
29) 1,1,1-Trichloroethane	4.90	97	55261	4.789	ug/L	97
30) Cyclohexane	4.98	56	48416	4.596	ug/L	100
31) Carbon tetrachloride	5.12	117	50180	4.858	ug/L	96
33) Benzene	5.38	78	131101	4.967	ug/L	100
34) Trichloroethene	6.18	95	35523	4.933	ug/L	98
35) Methylcyclohexane	6.40	83	48823	4.558	ug/L	98
37) 1,2-Dichloropropane	6.43	63	36370	5.008	ug/L	100
38) Bromodichloromethane	6.75	83	46400	4.897	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	48660	4.751	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	255427	50.666	ug/L	100
42) Toluene	7.63	91	142741	5.022	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	39940	4.682	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	25252	4.959	ug/L	97
47) Tetrachloroethene	8.22	164	28390	4.746	ug/L	98
48) 2-Hexanone	8.36	43	190757	52.162	ug/L	99
49) Dibromochloromethane	8.47	129	32291	5.069	ug/L	99
50) 1,2-Dibromoethane	8.58	107	24254	4.979	ug/L #	98
51) Chlorobenzene	9.11	112	89262	4.766	ug/L	99
52) Ethylbenzene	9.24	91	147864	4.750	ug/L	99
53) m,p-Xylene	9.37	106	55629	4.893	ug/L	98
54) o-Xylene	9.77	106	53328	4.807	ug/L	96
55) Styrene	9.79	104	93559	4.999	ug/L	96
56) Isopropylbenzene	10.16	105	145225	4.866	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	32617	5.046	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	24198	4.898	ug/L	100
61) Bromoform	9.95	173	18512	5.174	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	70857	4.769	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	73367	4.754	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	71420	4.912	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	5144	5.151	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	55093	4.739	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	36916	4.462	ug/L	98
69) Naphthalene	13.74	128	49495	4.083	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	37861	4.814	ug/L	97

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

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#2

Dichlorodifluoromethane

Concen: 4.897 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

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ClientSampleId :

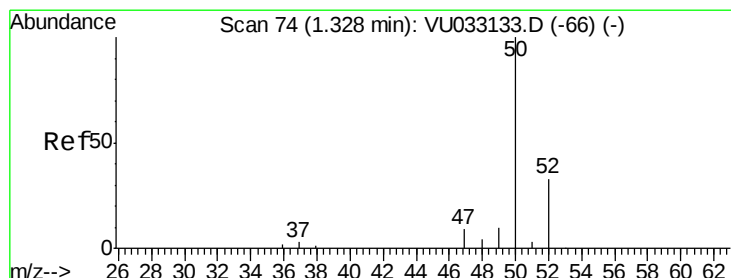
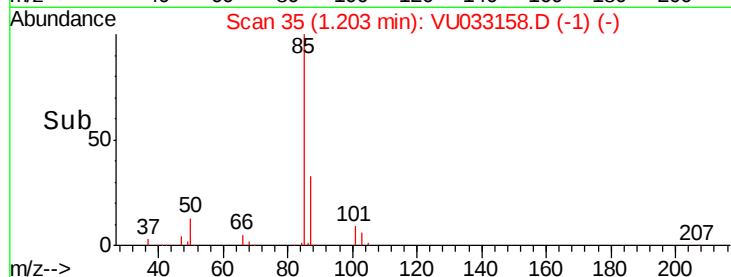
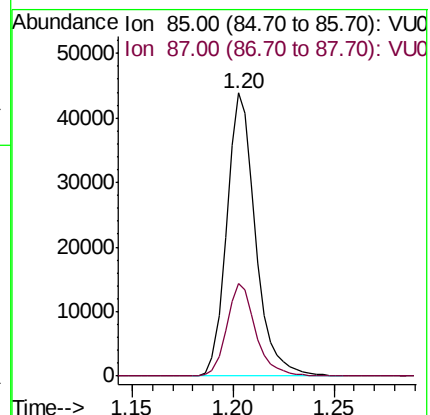
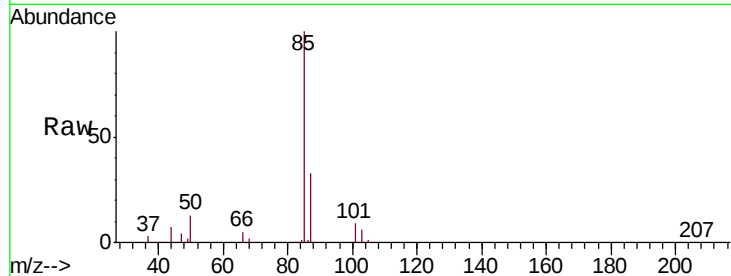
VSTD00511

Tgt Ion: 85 Resp: 43666

Ion Ratio Lower Upper

85 100

87 32.7 25.8 38.8



#3

Chloromethane

Concen: 4.958 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU033158.D

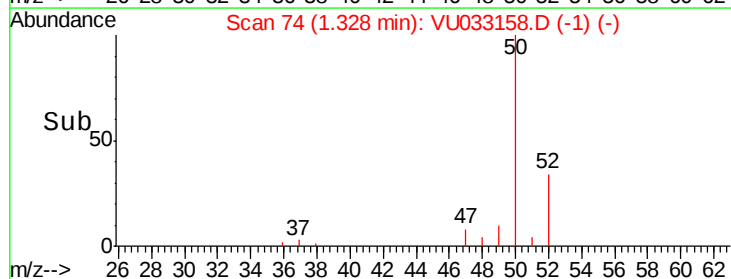
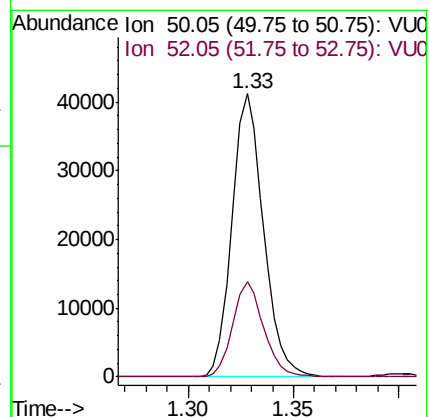
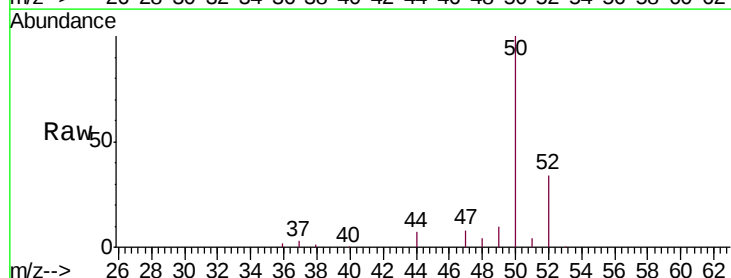
Acq: 02 Jul 2019 22:12

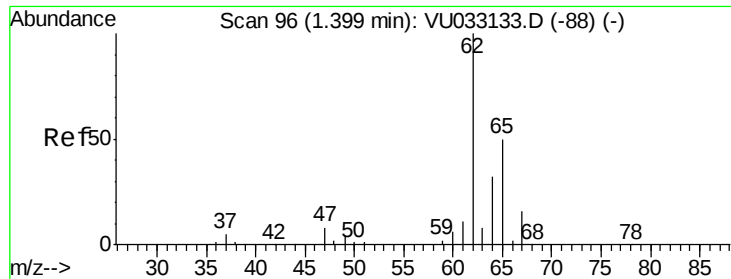
Tgt Ion: 50 Resp: 42600

Ion Ratio Lower Upper

50 100

52 33.6 23.0 42.6





#5

Vinyl chloride

Concen: 5.033 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

Instrument :

MSVOA_U

ClientSampleId :

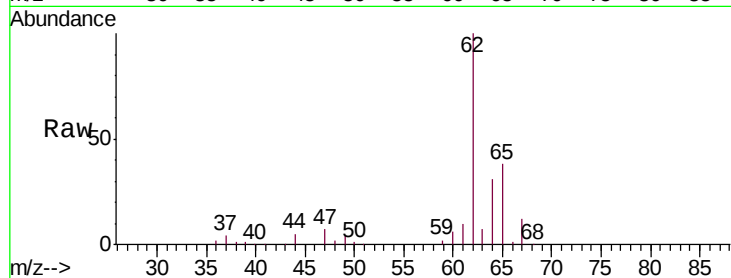
VSTD00511

Tgt Ion: 62 Resp: 42501

Ion Ratio Lower Upper

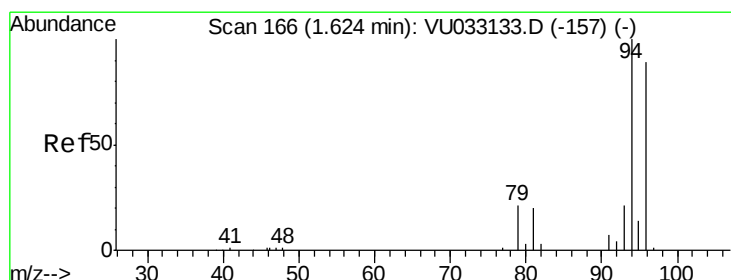
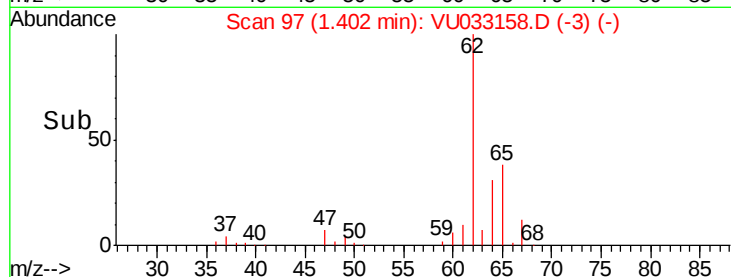
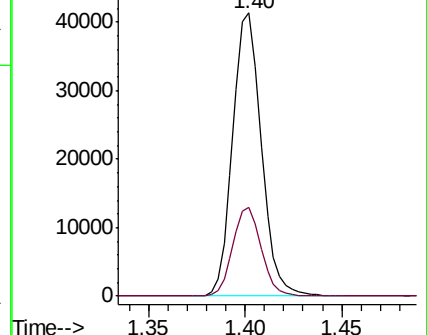
62 100

64 31.3 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU033133.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU033133.D (-88) (-)



#6

Bromomethane

Concen: 4.889 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU033158.D

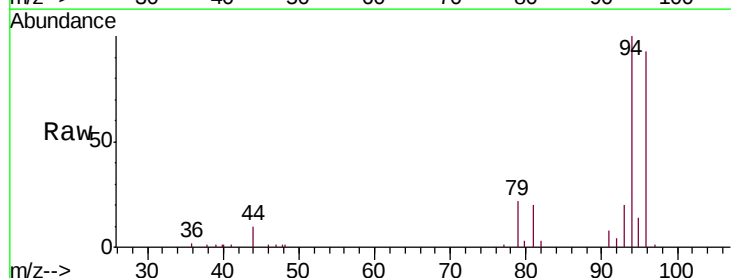
Acq: 02 Jul 2019 22:12

Tgt Ion: 94 Resp: 23674

Ion Ratio Lower Upper

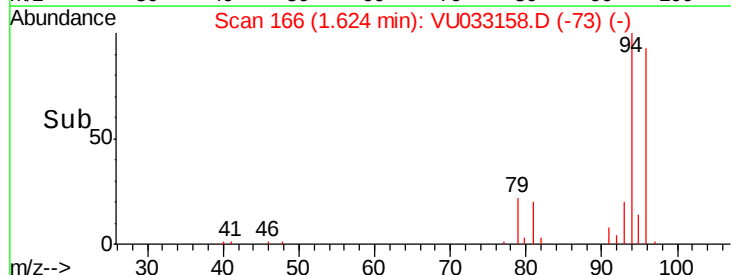
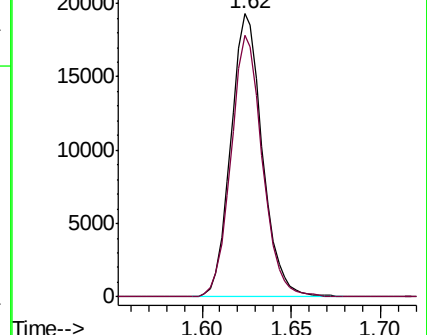
94 100

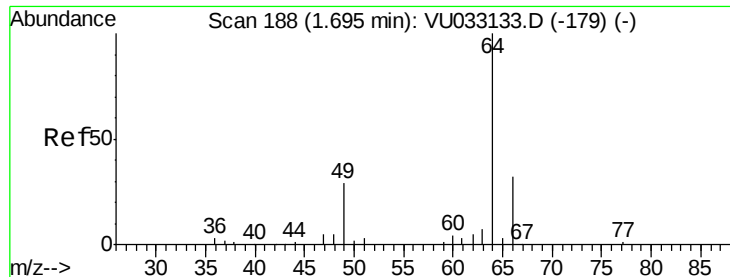
96 92.6 63.7 118.3



Abundance Ion 94.00 (93.70 to 94.70): VU033133.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU033133.D (-157) (-)





#8

Chloroethane

Concen: 4.747 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

Instrument :

MSVOA_U

ClientSampleId :

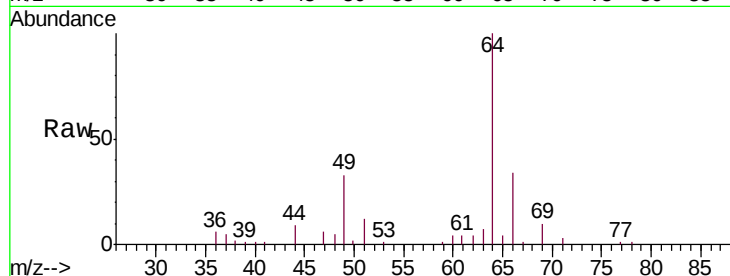
VSTD00511

Tgt Ion: 64 Resp: 24352

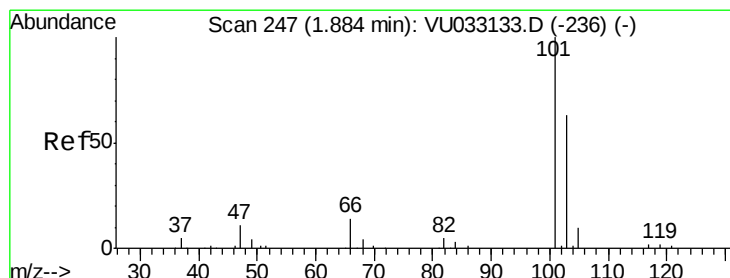
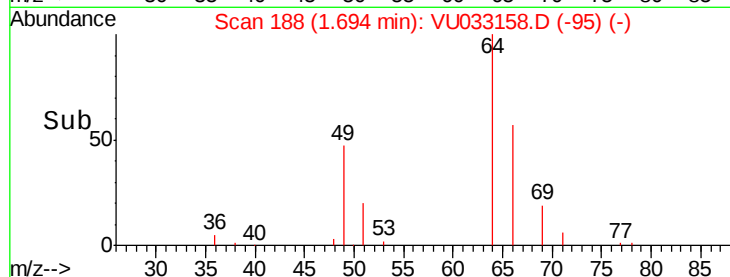
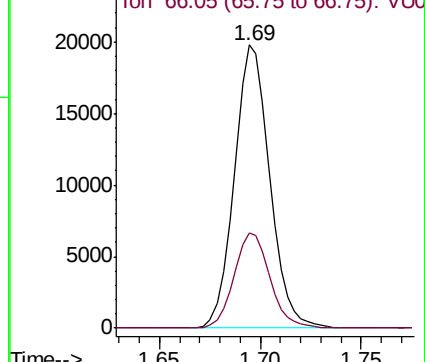
Ion Ratio Lower Upper

64 100

66 33.7 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU033133.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 5.129 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU033158.D

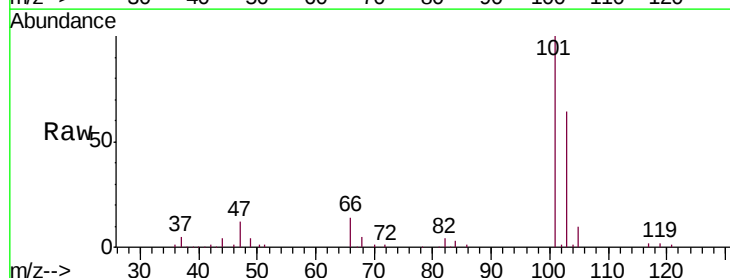
Acq: 02 Jul 2019 22:12

Tgt Ion: 101 Resp: 61884

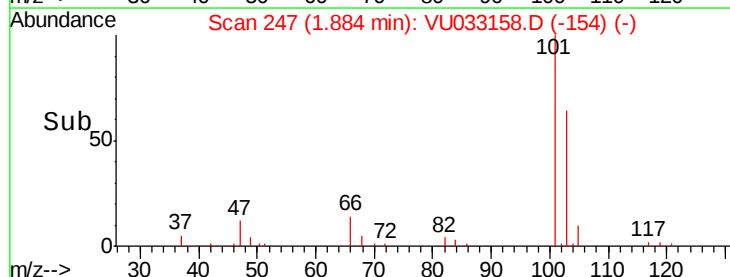
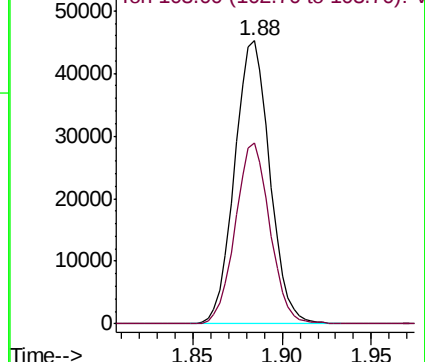
Ion Ratio Lower Upper

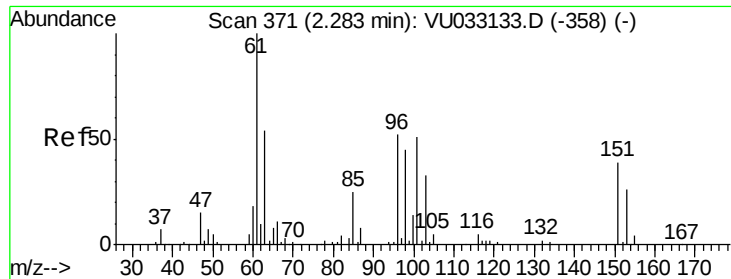
101 100

103 62.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU033133.D (-236) (-)





#10

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

Concen: 5.017 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

Instrument :

MSVOA_U

ClientSampleId :

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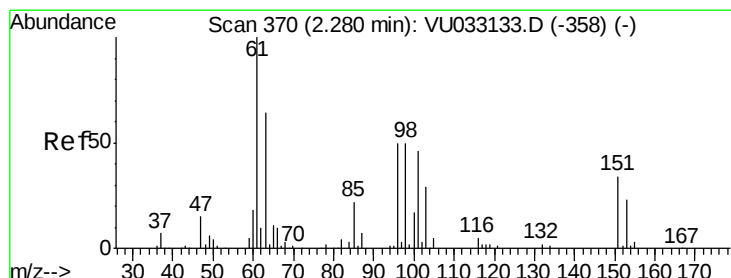
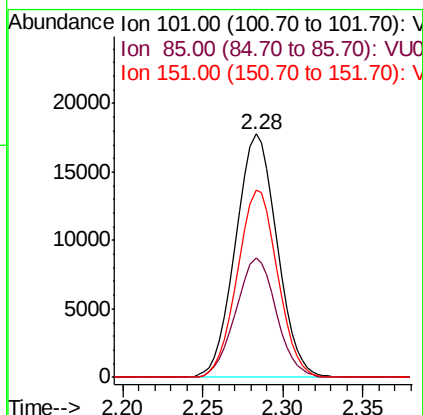
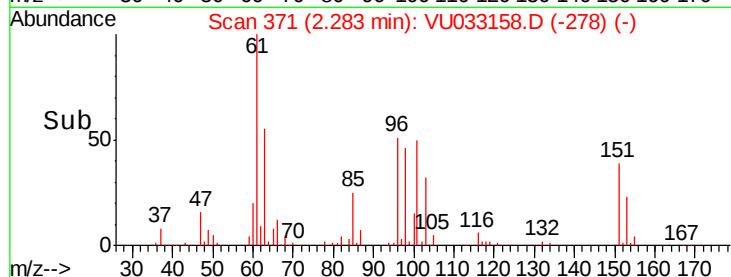
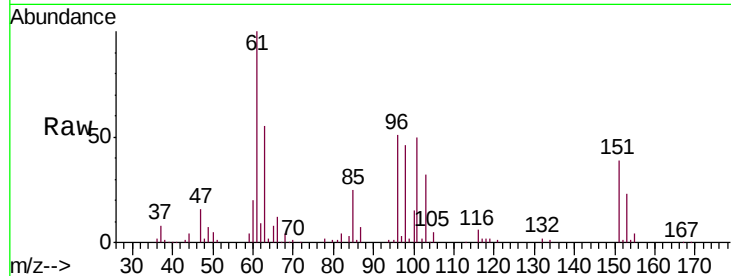
Tgt Ion:101 Resp: 31471

Ion Ratio Lower Upper

101 100

85 47.9 38.0 57.0

151 74.6 60.6 91.0



#12

1,1-Dichloroethene

Concen: 5.048 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

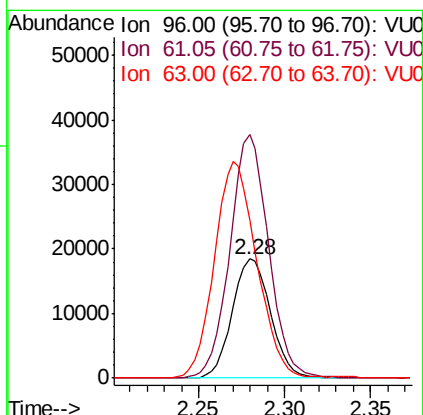
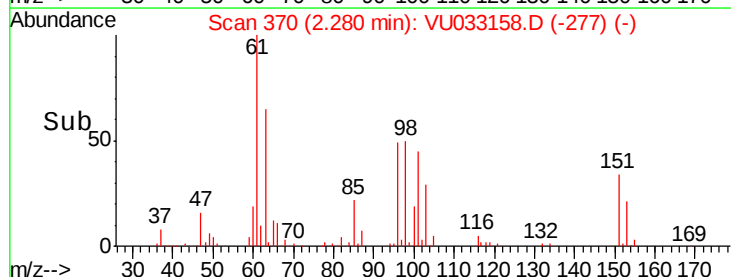
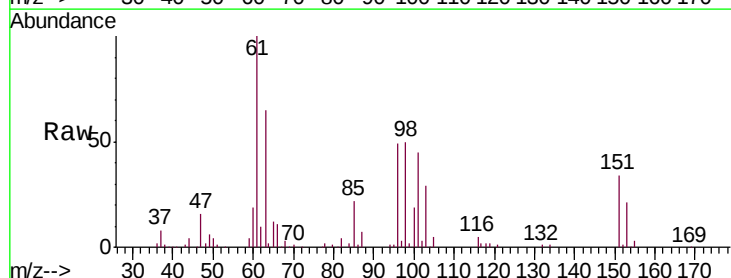
Tgt Ion: 96 Resp: 28670

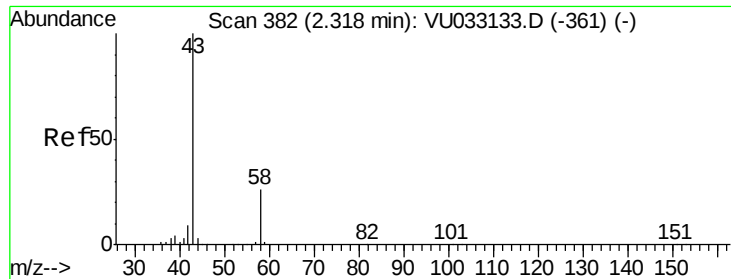
Ion Ratio Lower Upper

96 100

61 204.9 135.5 251.7

63 132.6 98.0 182.0





#13

Acetone

Concen: 51.208 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

Instrument :

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ClientSampleId :

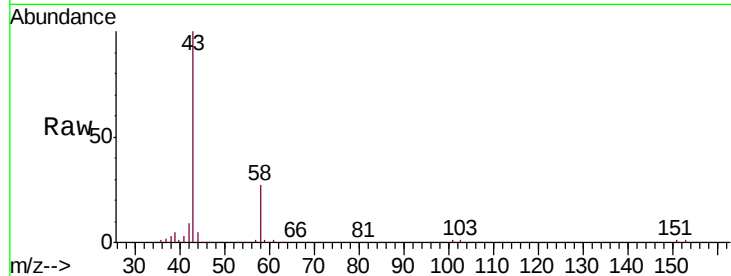
VSTD00511

Tgt Ion: 43 Resp: 75502

Ion Ratio Lower Upper

43 100

58 26.9 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU033133.D (-361) (-)

Ion 58.05 (57.75 to 58.75): VU033133.D (-361) (-)

2.32

50000

40000

30000

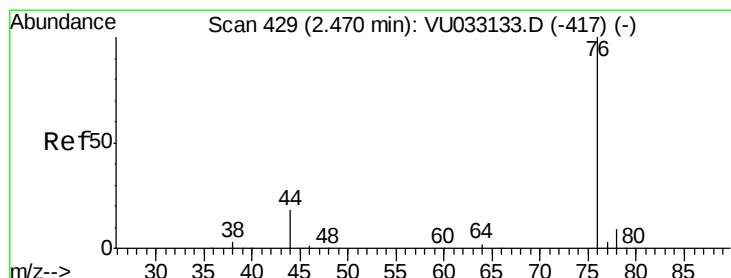
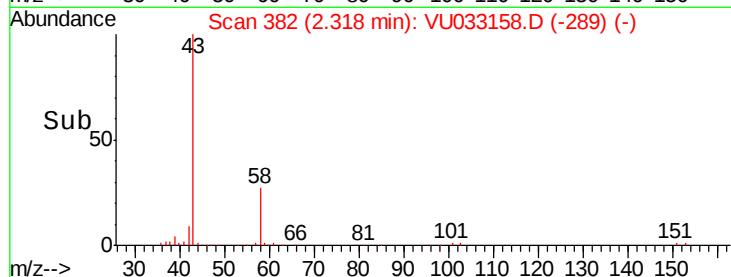
20000

10000

0

Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 4.879 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU033158.D

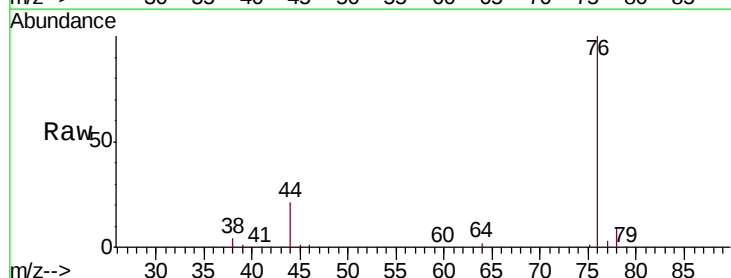
Acq: 02 Jul 2019 22:12

Tgt Ion: 76 Resp: 91350

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU033133.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU033133.D (-417) (-)

2.47

60000

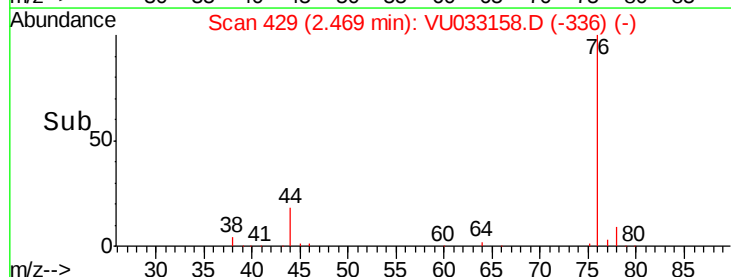
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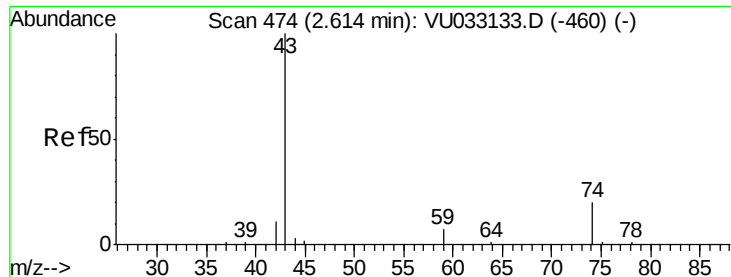
20000

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Time-->

2.40 2.45 2.50 2.55





#15

Methyl Acetate

Concen: 5.062 ug/L

RT: 2.61 min Scan# 474

Delta R.T. -0.00 min

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Acq: 02 Jul 2019 22:12

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ClientSampleId :

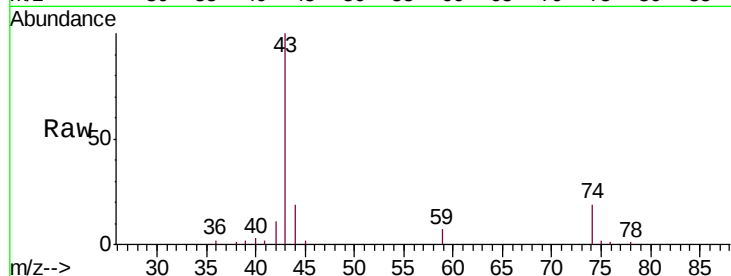
VSTD00511

Tgt Ion: 43 Resp: 17693

Ion Ratio Lower Upper

43 100

74 20.7 16.8 25.2



Abundance Ion 43.05 (42.75 to 43.75): VU033133.D (-460) (-)

Ion 74.05 (73.75 to 74.75): VU033133.D (-460) (-)

2.61

12000

10000

8000

6000

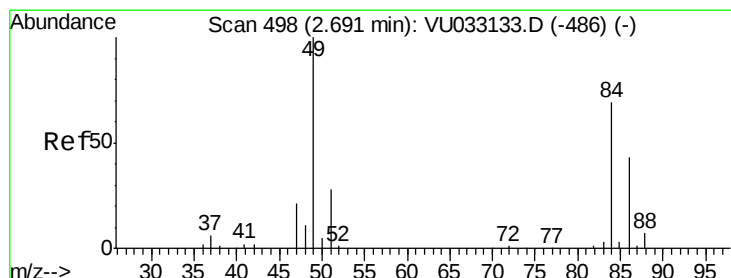
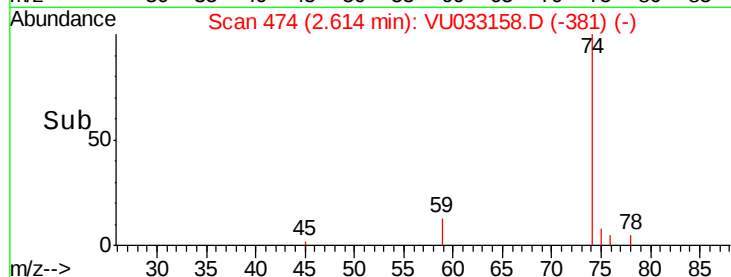
4000

2000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 5.007 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

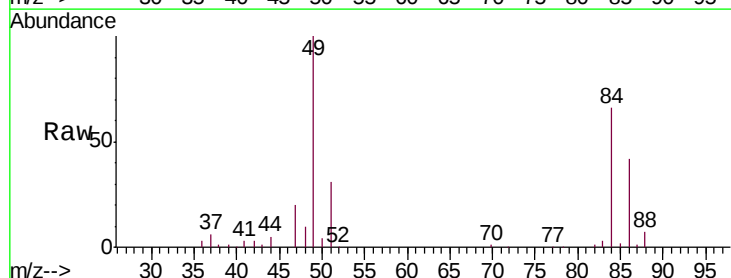
Tgt Ion: 84 Resp: 33424

Ion Ratio Lower Upper

84 100

86 64.4 42.8 79.6

49 152.3 99.5 184.9



Abundance Ion 84.05 (83.75 to 84.75): VU033133.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU033133.D (-486) (-)

Ion 49.10 (48.80 to 49.80): VU033133.D (-486) (-)

40000

30000

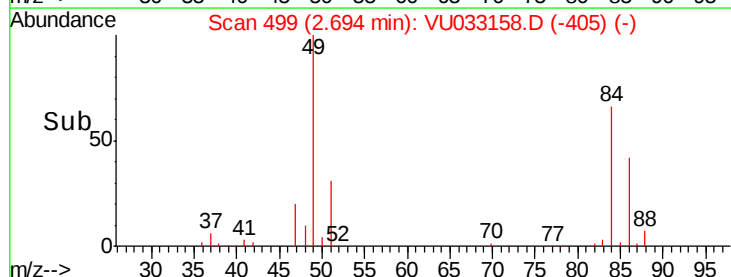
20000

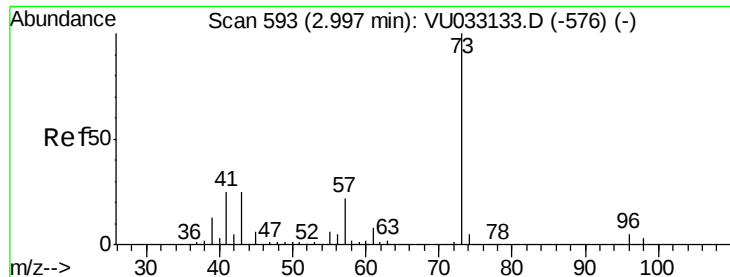
10000

0

Time-->

2.65 2.70 2.75





#17

Methyl tert-butyl Ether

Concen: 5.073 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

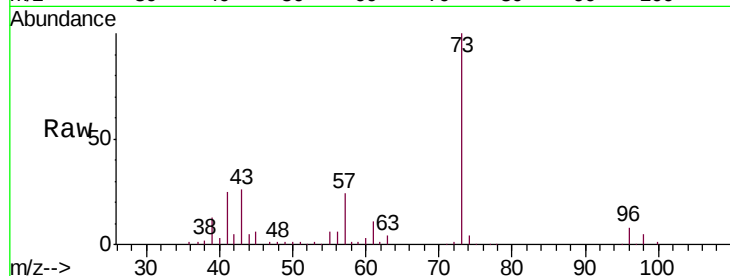
Tgt Ion: 73 Resp: 83496

Ion Ratio Lower Upper

73 100

43 26.4 20.6 30.8

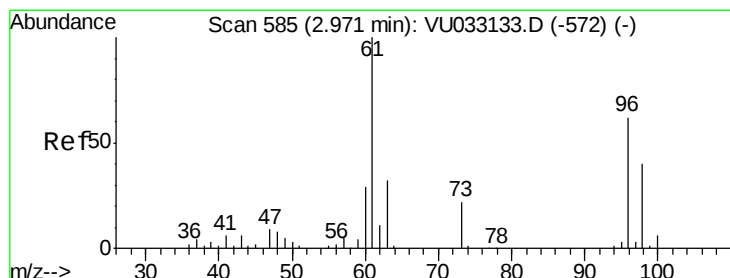
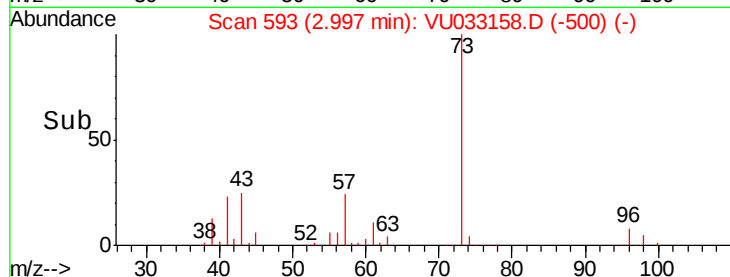
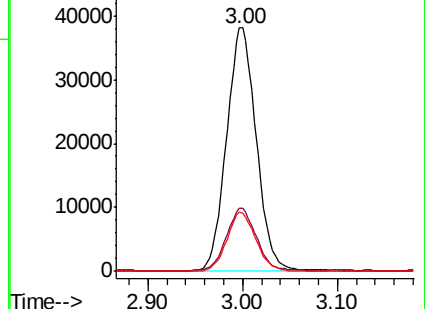
57 23.6 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU033133.D (-576) (-)

Ion 43.05 (42.75 to 43.75): VU033133.D (-576) (-)

Ion 57.10 (56.80 to 57.80): VU033133.D (-576) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.976 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

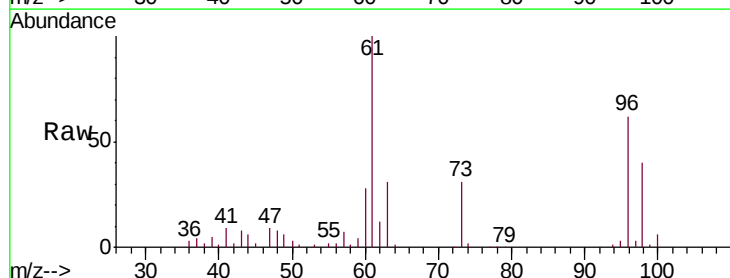
Tgt Ion: 96 Resp: 31183

Ion Ratio Lower Upper

96 100

61 161.5 111.3 206.7

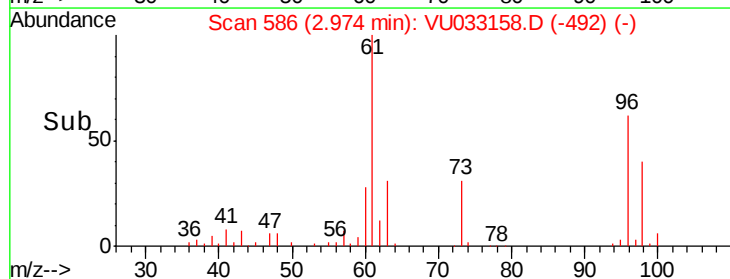
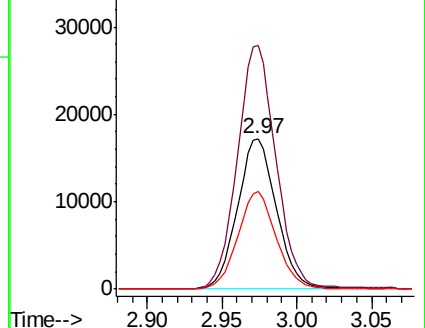
98 64.5 44.0 81.8

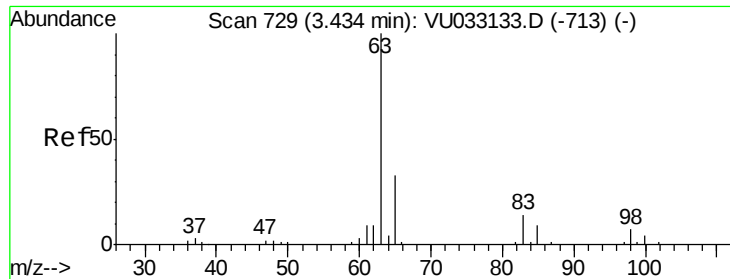


Abundance Ion 96.00 (95.70 to 96.70): VU033133.D (-572) (-)

Ion 61.05 (60.75 to 61.75): VU033133.D (-572) (-)

Ion 97.95 (97.65 to 98.65): VU033133.D (-572) (-)

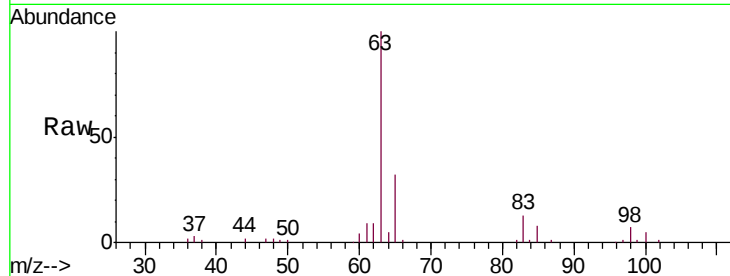




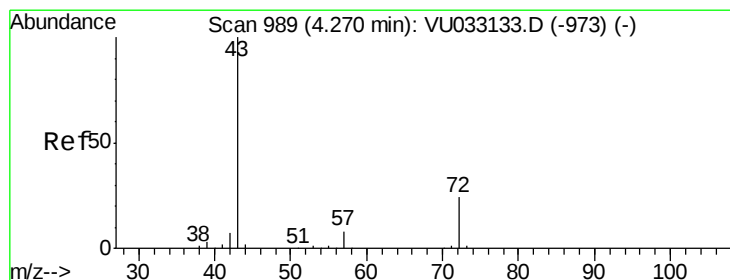
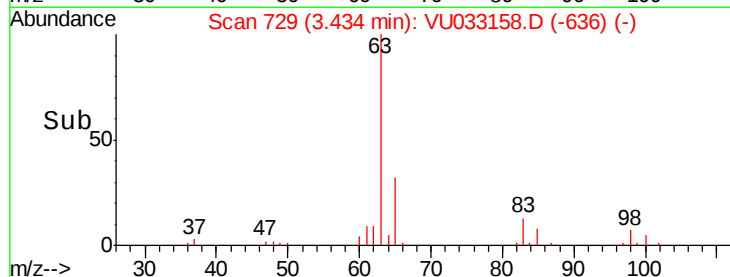
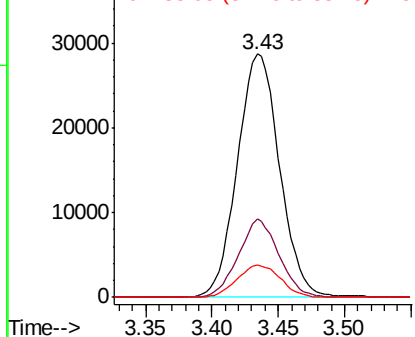
#19
 1,1-Dichloroethane
 Concen: 5.033 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tgt Ion: 63 Resp: 63313
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.4 39.8
 83 13.3 9.9 18.3

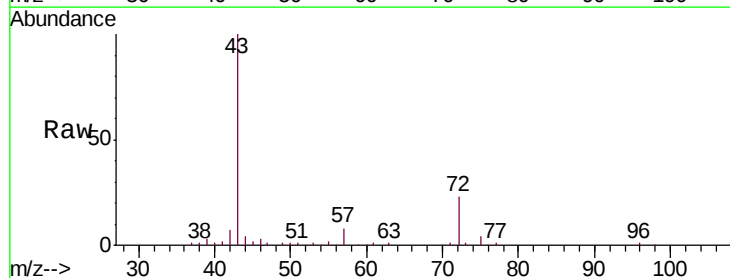


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

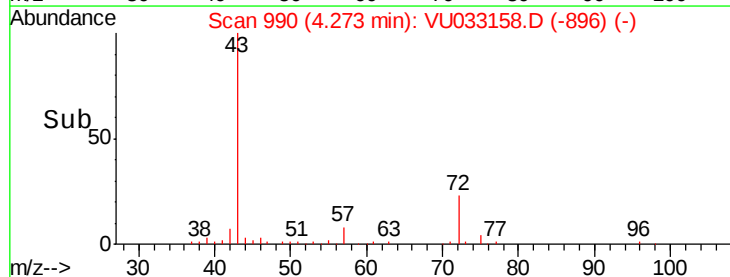
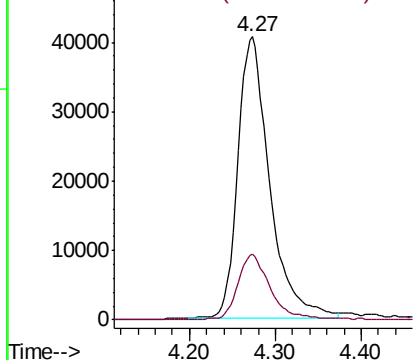


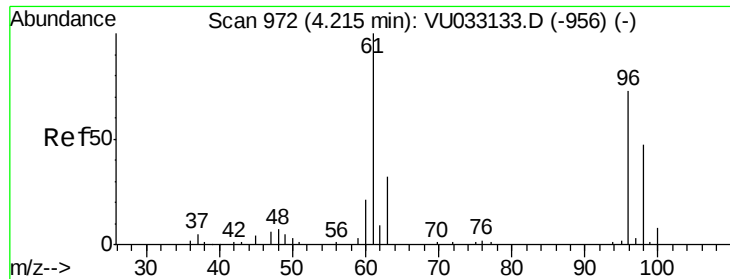
#21
 2-Butanone
 Concen: 48.863 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Tgt Ion: 43 Resp: 104211
 Ion Ratio Lower Upper
 43 100
 72 24.1 12.1 36.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



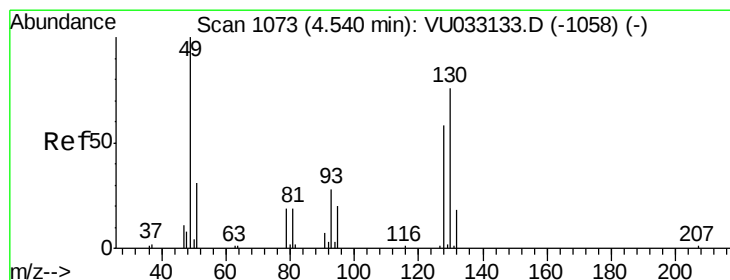
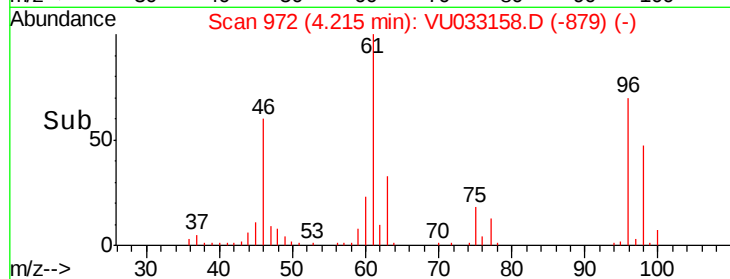
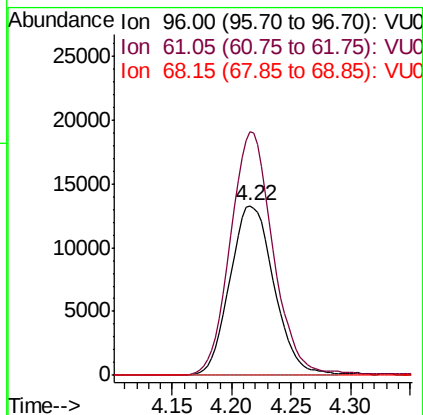
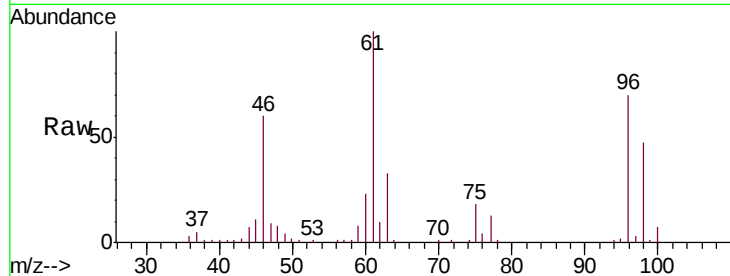


#22

cis-1,2-Dichloroethene
 Concen: 4.931 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

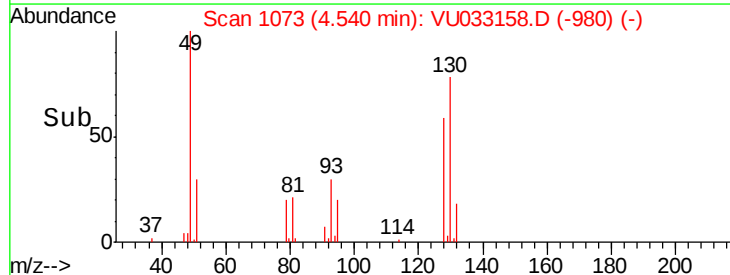
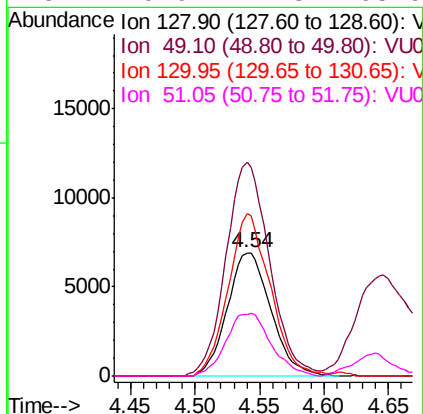
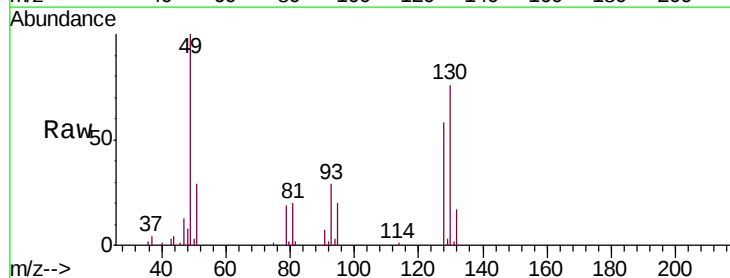
Tgt Ion: 96 Resp: 34162
 Ion Ratio Lower Upper
 96 100
 61 143.5 93.9 174.5
 68 0.0 0.0 0.0

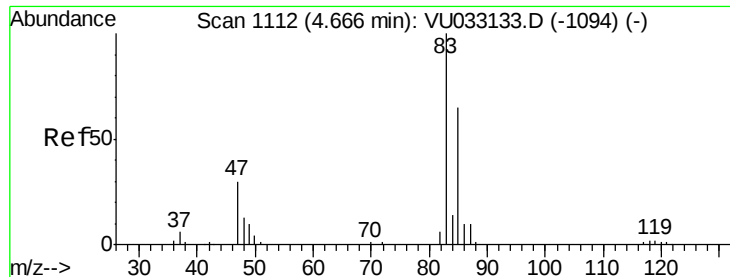


#23

Bromochloromethane
 Concen: 5.036 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Tgt Ion: 128 Resp: 16246
 Ion Ratio Lower Upper
 128 100
 49 173.5 122.7 227.9
 130 132.0 88.1 163.5
 51 49.9 42.3 63.5

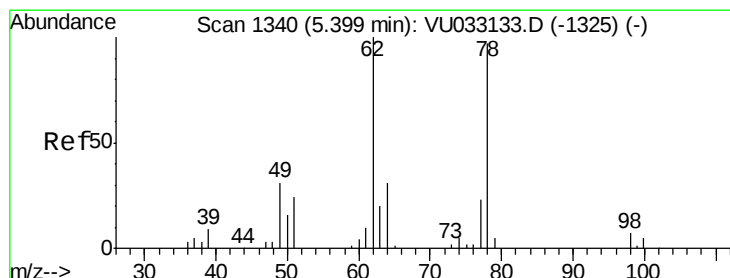
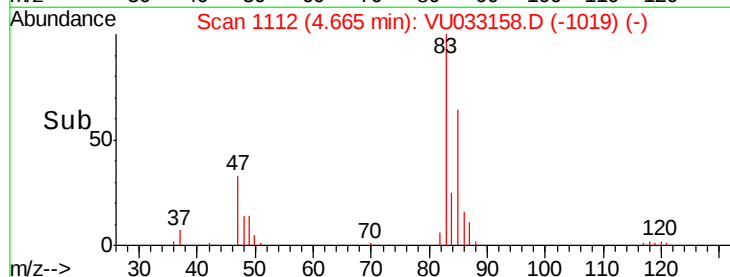
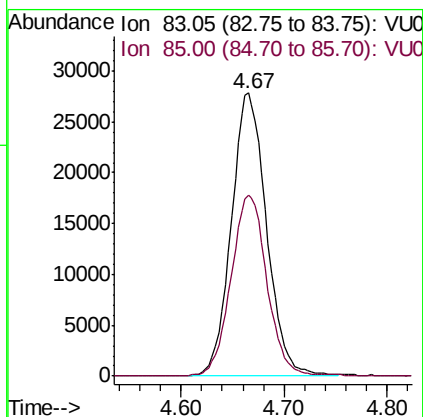
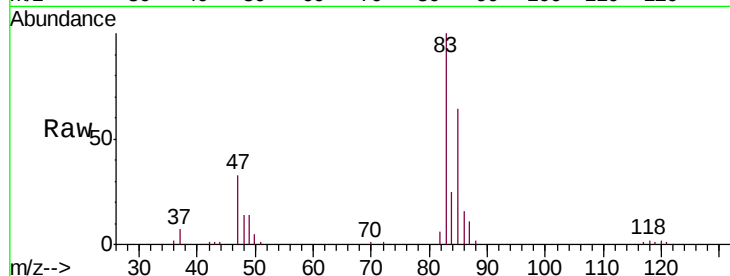




#25
Chloroform
Concen: 4.758 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU033158.D
Acq: 02 Jul 2019 22:12

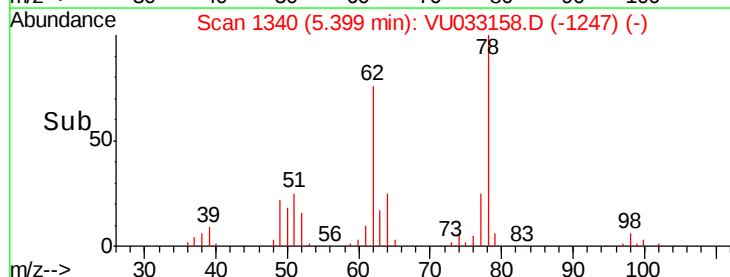
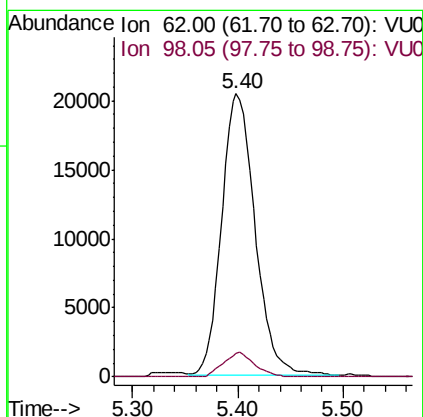
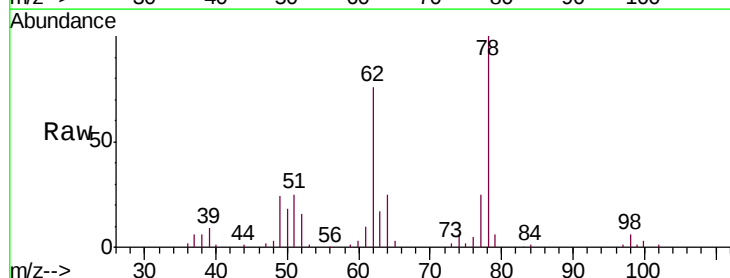
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

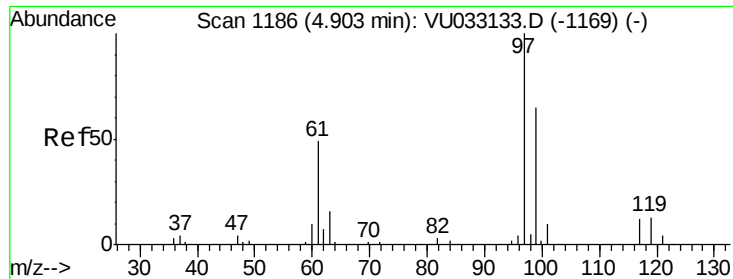
Tgt Ion: 83 Resp: 66185
Ion Ratio Lower Upper
83 100
85 64.1 46.6 86.6



#27
1,2-Dichloroethane
Concen: 4.968 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU033158.D
Acq: 02 Jul 2019 22:12

Tgt Ion: 62 Resp: 44757
Ion Ratio Lower Upper
62 100
98 8.5 5.9 8.9

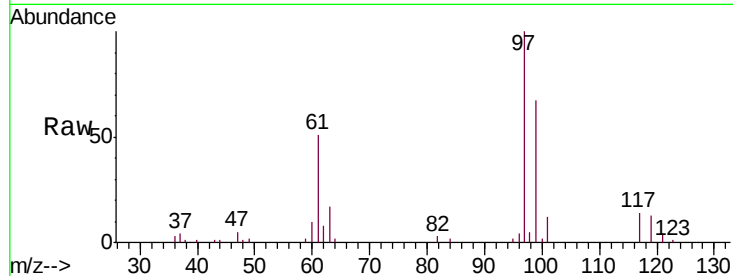




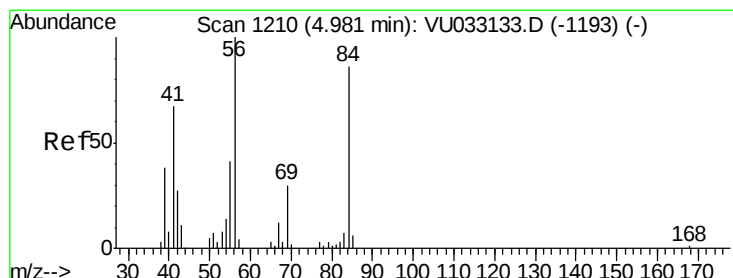
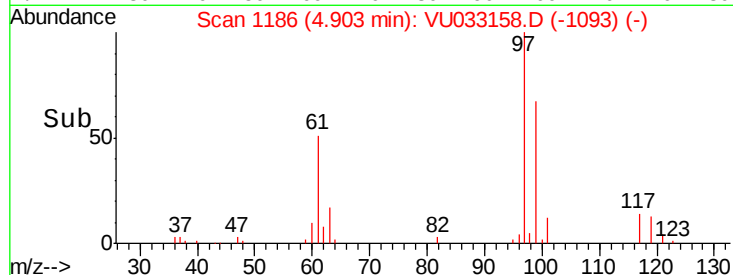
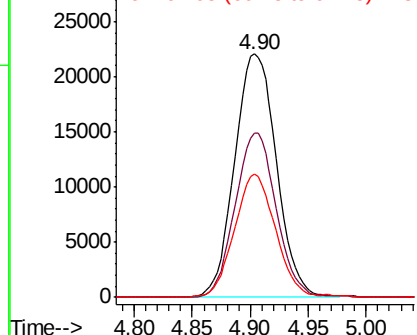
#29
 1,1,1-Trichloroethane
 Concen: 4.789 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tgt Ion: 97 Resp: 55261
 Ion Ratio Lower Upper
 97 100
 99 66.4 51.4 77.0
 61 49.4 37.8 56.8

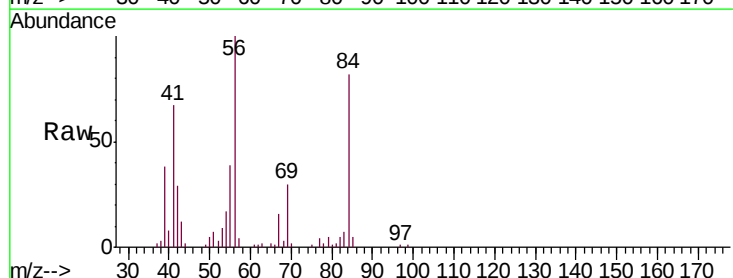


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

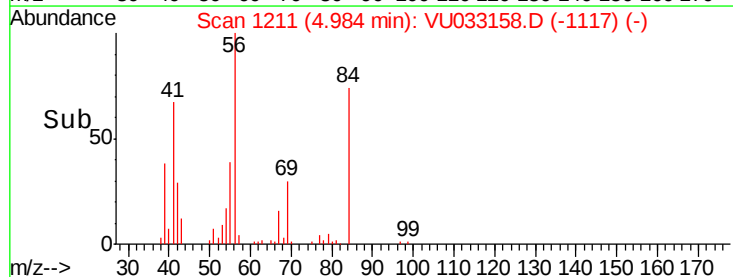
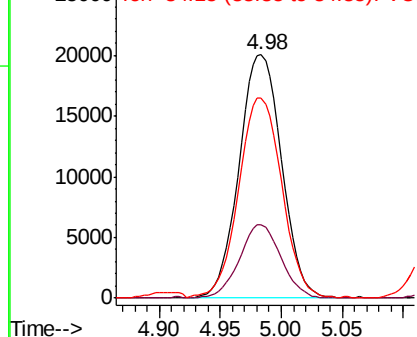


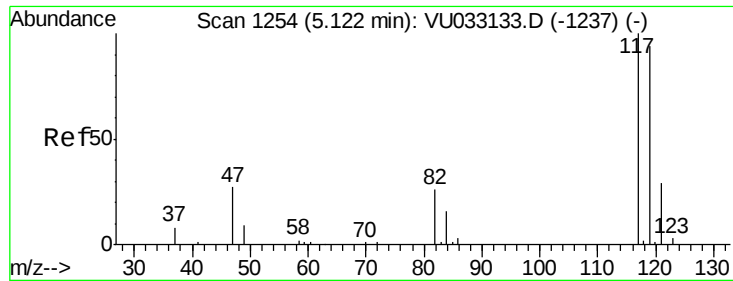
#30
 Cyclohexane
 Concen: 4.596 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Tgt Ion: 56 Resp: 48416
 Ion Ratio Lower Upper
 56 100
 69 29.4 23.4 35.0
 84 83.7 66.8 100.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

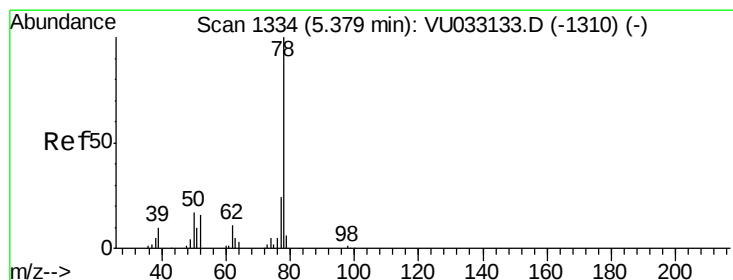
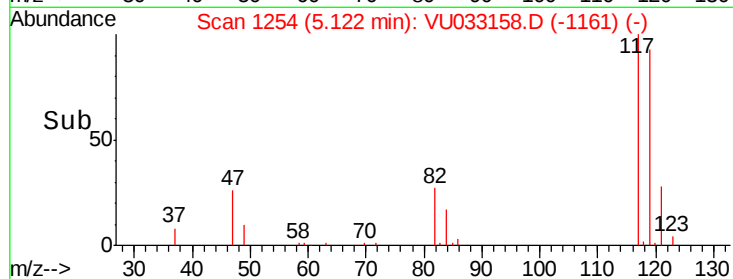
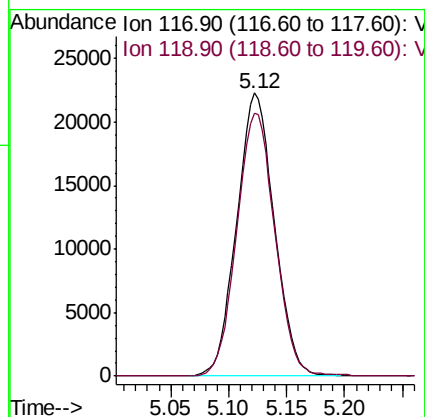
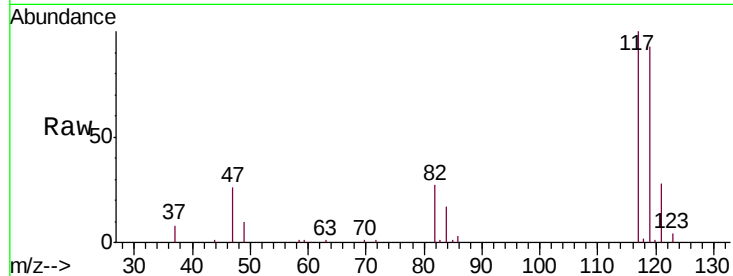




#31
Carbon tetrachloride
Concen: 4.858 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VU033158.D
Acq: 02 Jul 2019 22:12

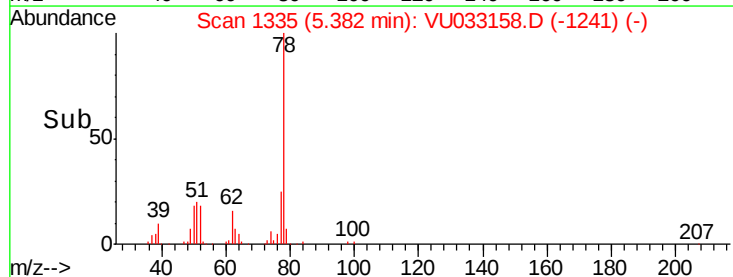
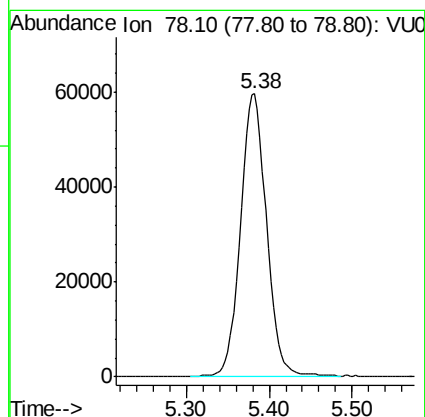
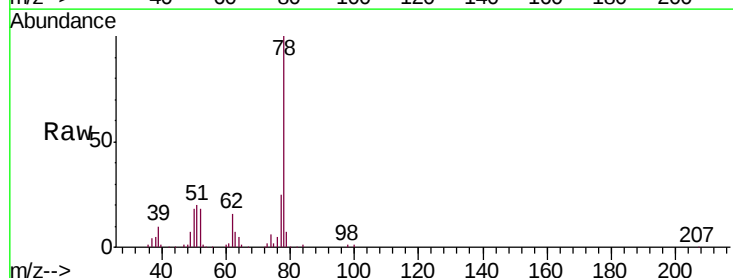
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

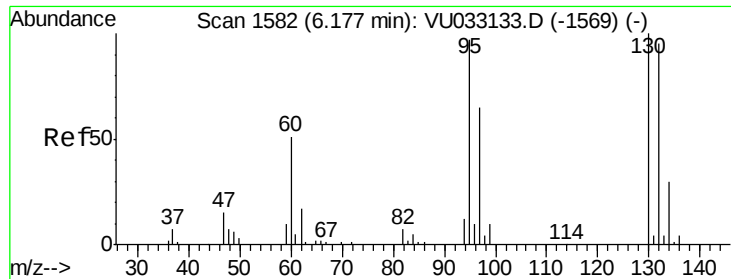
Tgt Ion:117 Resp: 50180
Ion Ratio Lower Upper
117 100
119 94.3 78.3 117.5



#33
Benzene
Concen: 4.967 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033158.D
Acq: 02 Jul 2019 22:12

Tgt Ion: 78 Resp: 131101

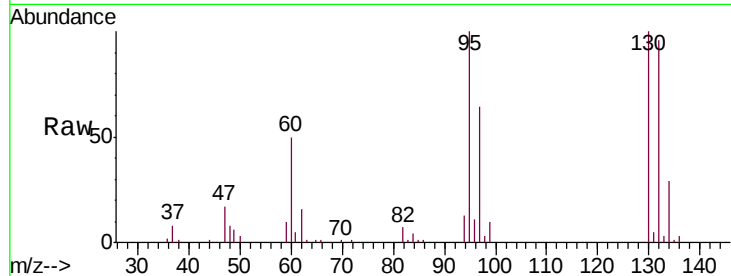




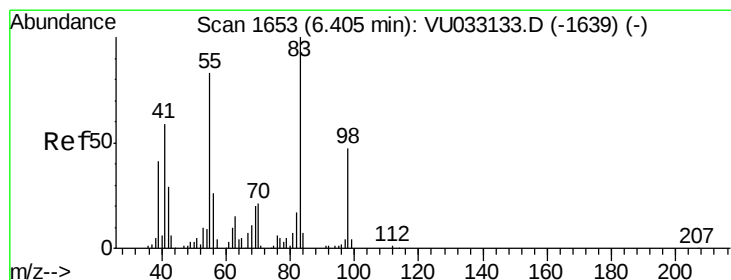
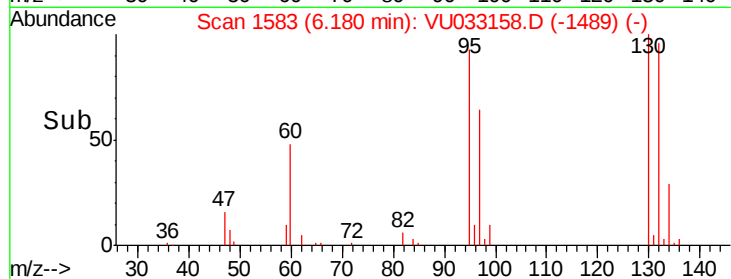
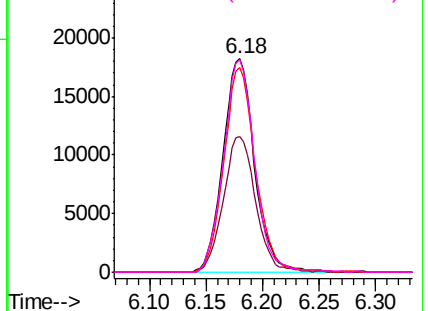
#34
 Trichloroethene
 Concen: 4.933 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tgt Ion: 95 Resp: 35523
 Ion Ratio Lower Upper
 95 100
 97 63.8 42.8 79.4
 132 96.2 64.6 120.0
 130 99.8 70.0 130.0

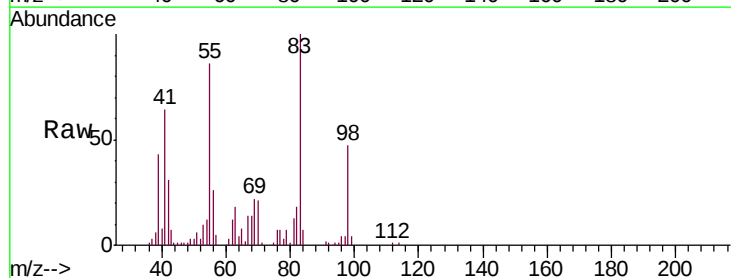


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

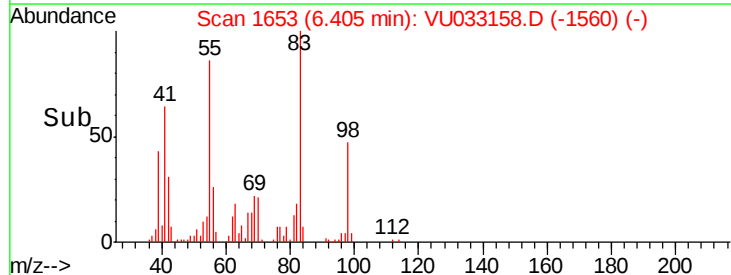
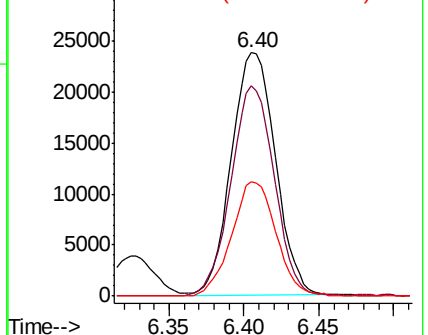


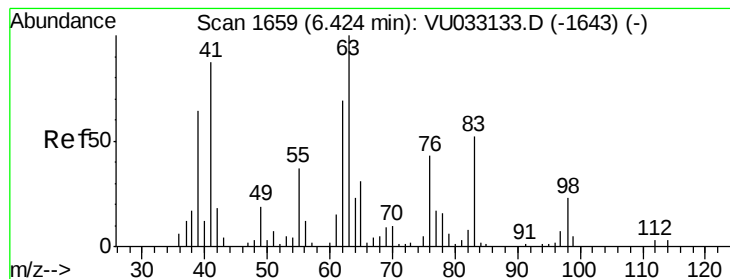
#35
 Methylcyclohexane
 Concen: 4.558 ug/L
 RT: 6.40 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Tgt Ion: 83 Resp: 48823
 Ion Ratio Lower Upper
 83 100
 55 85.2 66.5 99.7
 98 47.3 37.1 55.7



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: 5.008 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

Instrument :

MSVOA_U

ClientSampleId :

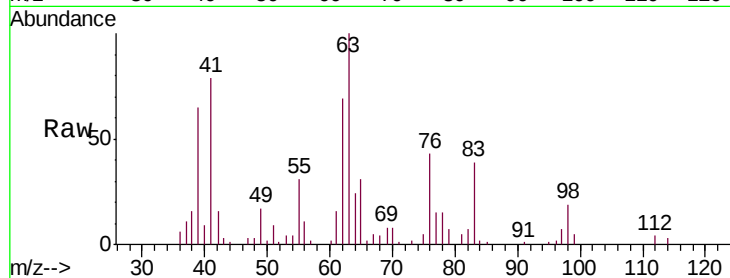
VSTD00511

Tgt Ion: 63 Resp: 36370

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

6.43

20000

15000

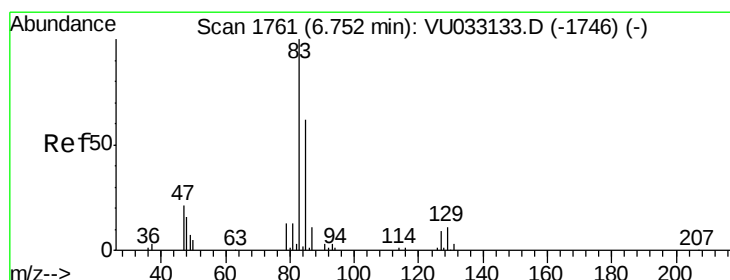
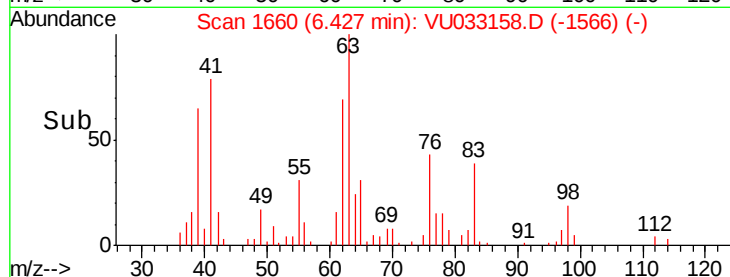
10000

5000

0

6.30 6.40 6.50

Time-->



#38

Bromodichloromethane

Concen: 4.897 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

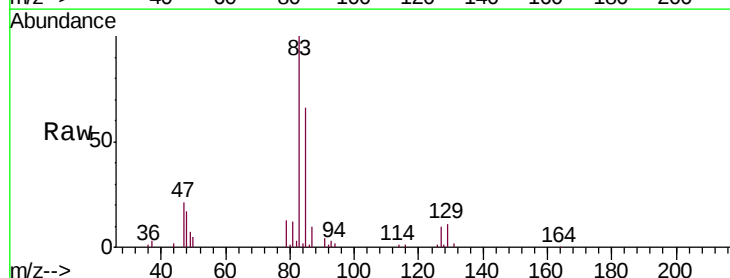
Tgt Ion: 83 Resp: 46400

Ion Ratio Lower Upper

83 100

85 65.8 43.8 81.4

127 9.8 7.5 11.3



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

6.75

30000

25000

20000

15000

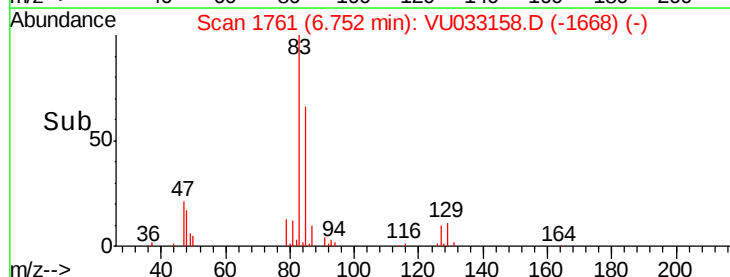
10000

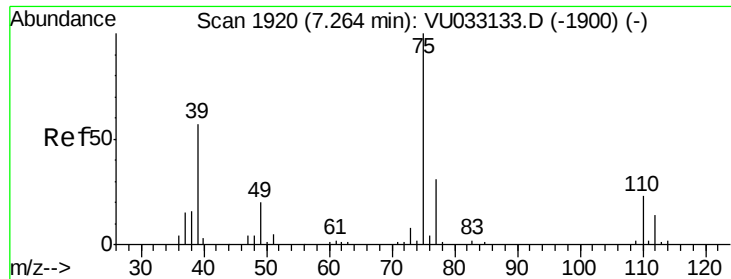
5000

0

6.65 6.70 6.75 6.80 6.85

Time-->

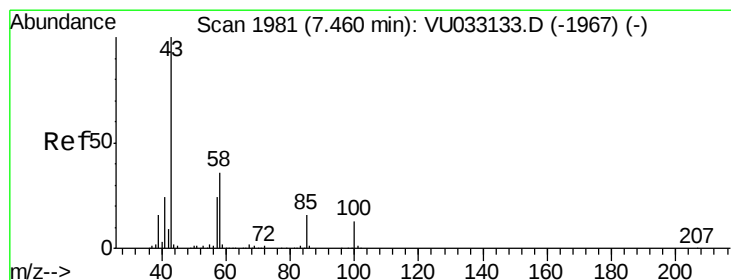
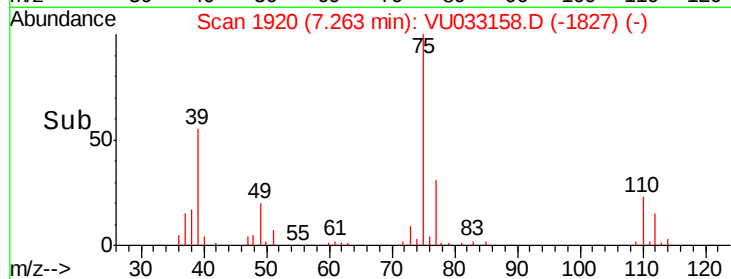
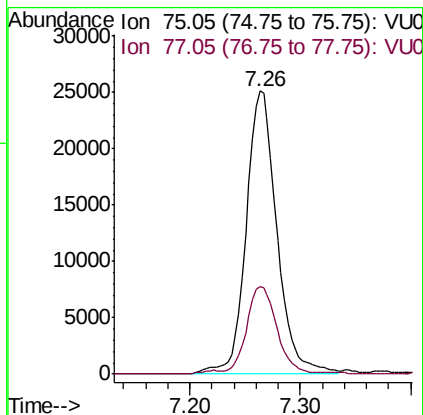
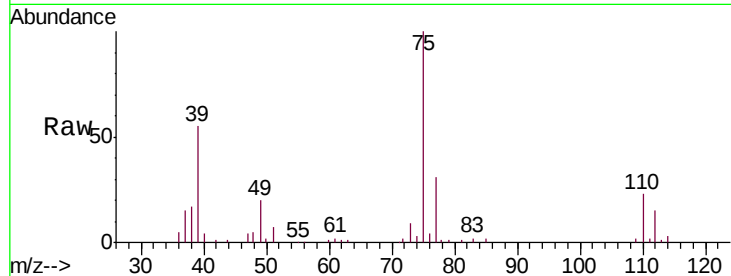




#39
 cis-1,3-Dichloropropene
 Concen: 4.751 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

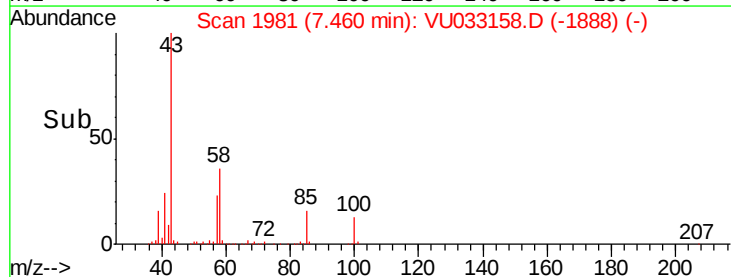
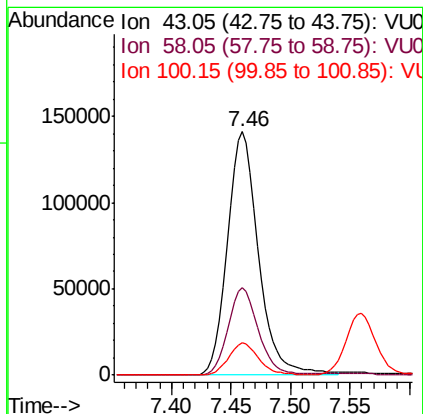
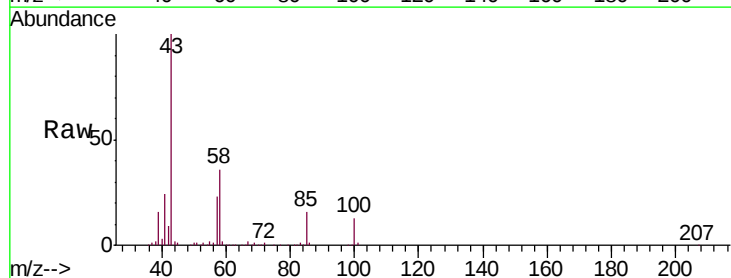
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

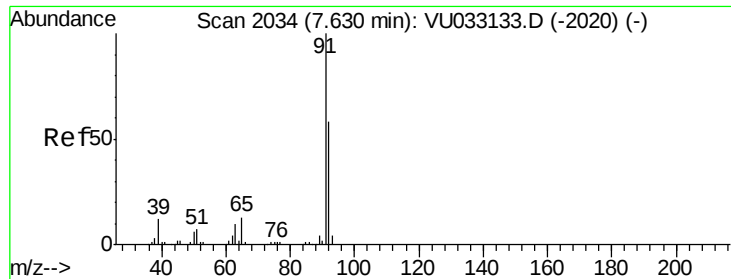
Tgt Ion: 75 Resp: 48660
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 50.666 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Tgt Ion: 43 Resp: 255427
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.5 42.7
 100 13.0 10.4 15.6





#42

Toluene

Concen: 5.022 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

Instrument :

MSVOA_U

ClientSampleId :

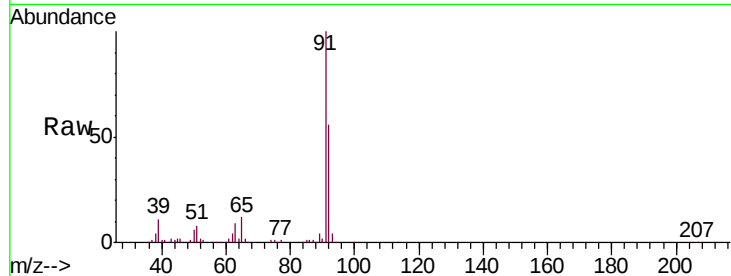
VSTD00511

Tgt Ion: 91 Resp: 142741

Ion Ratio Lower Upper

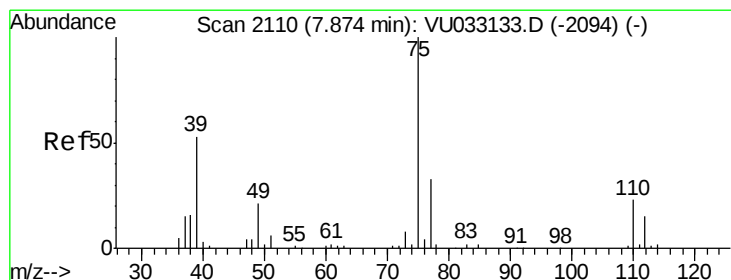
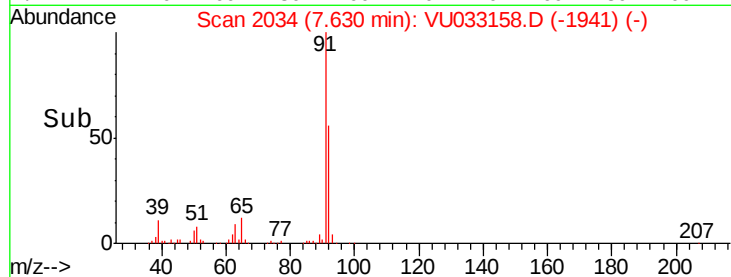
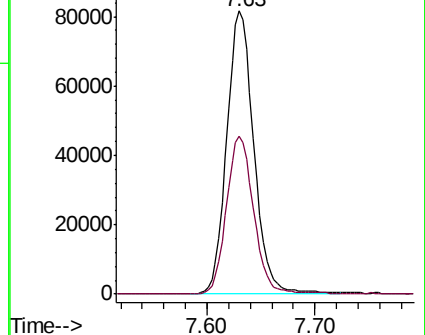
91 100

92 55.7 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU033133.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU033133.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.682 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU033158.D

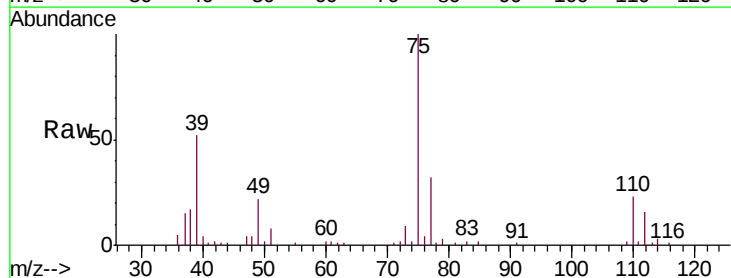
Acq: 02 Jul 2019 22:12

Tgt Ion: 75 Resp: 39940

Ion Ratio Lower Upper

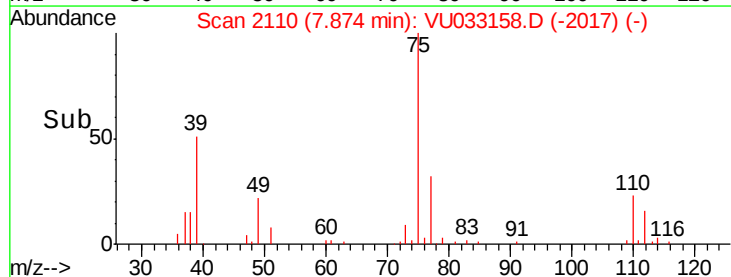
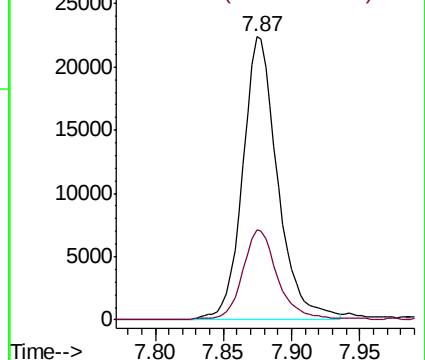
75 100

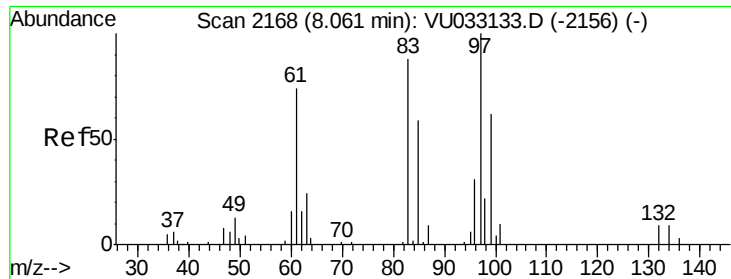
77 31.7 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU033133.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU033133.D (-2094) (-)

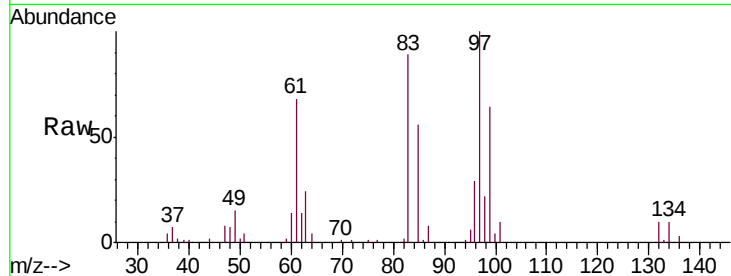




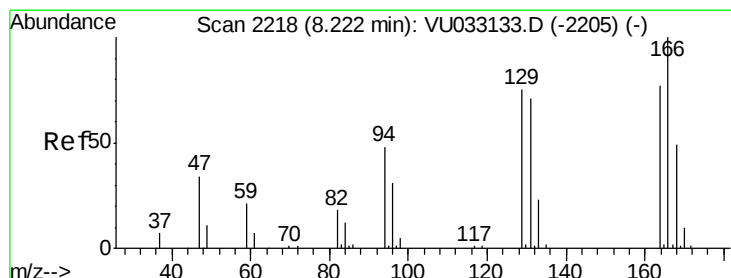
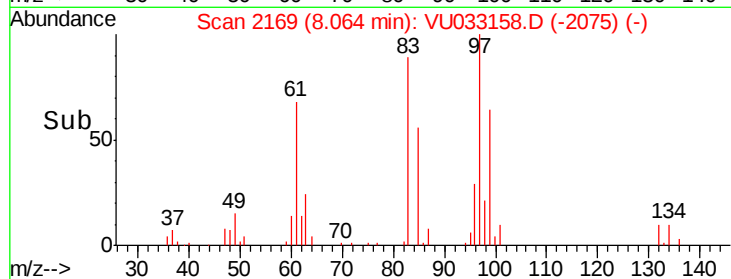
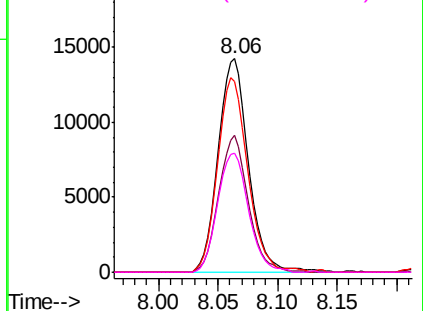
#45
 1,1,2-Trichloroethane
 Concen: 4.959 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tgt Ion:	97	Resp:	25252
Ion	Ratio	Lower	Upper
97	100		
99	64.0	43.5	80.7
83	89.5	60.8	112.8
85	55.6	40.7	75.7

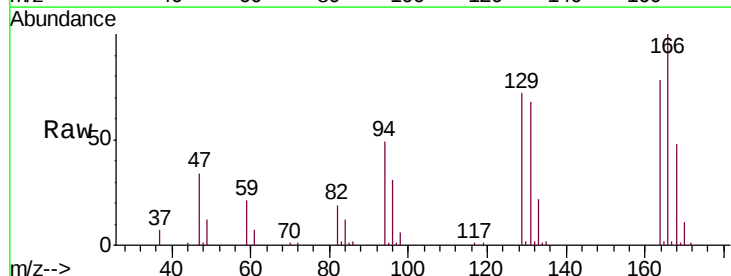


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

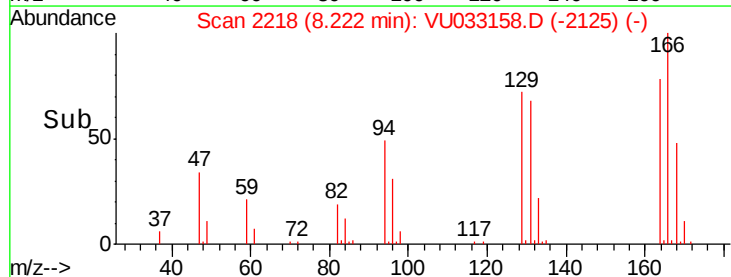
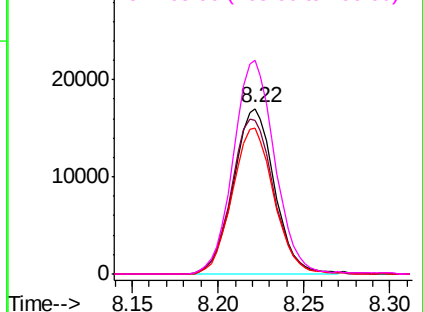


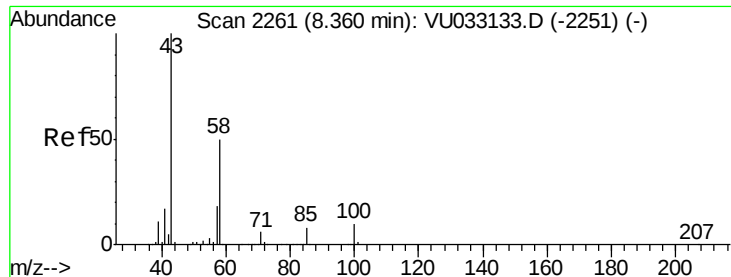
#47
 Tetrachloroethene
 Concen: 4.746 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Tgt Ion:	164	Resp:	28390
Ion	Ratio	Lower	Upper
164	100		
129	93.0	65.3	121.3
131	87.9	60.3	112.1
166	128.9	86.9	161.3



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

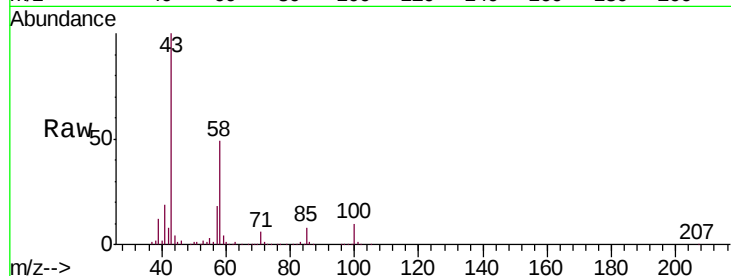




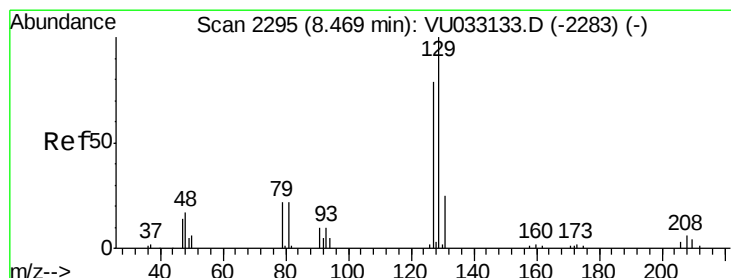
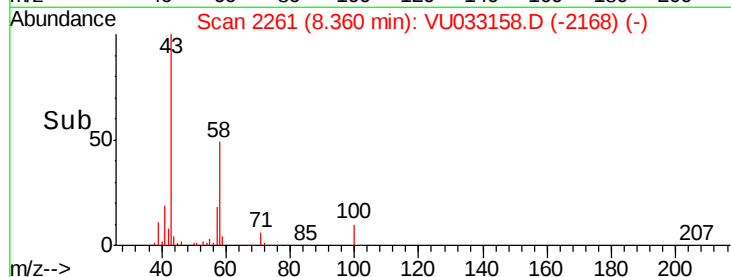
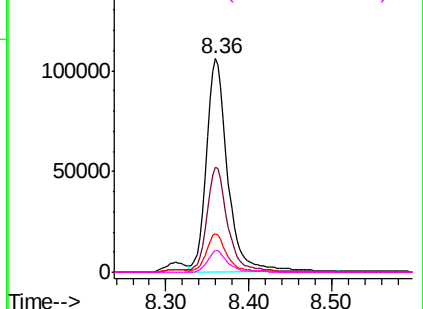
#48
2-Hexanone
Concen: 52.162 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU033158.D
Acq: 02 Jul 2019 22:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tgt Ion:	43	Resp:	190757
Ion	Ratio	Lower	Upper
43	100		
58	47.6	39.0	58.6
57	17.5	13.9	20.9
100	9.8	8.6	12.8

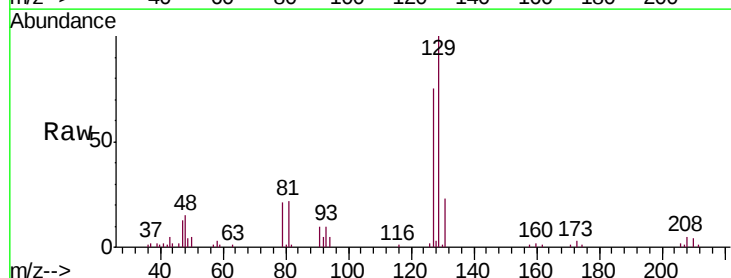


Abundance Ion 43.05 (42.75 to 43.75): VU033133.D (-2251) (-)
Ion 58.05 (57.75 to 58.75): VU033133.D (-2251) (-)
Ion 57.20 (56.90 to 57.90): VU033133.D (-2251) (-)
Ion 100.15 (99.85 to 100.85): VU033133.D (-2251) (-)

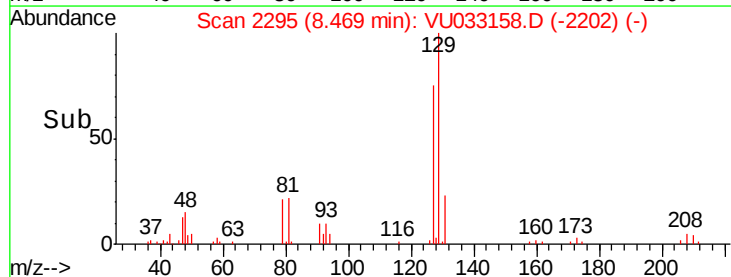
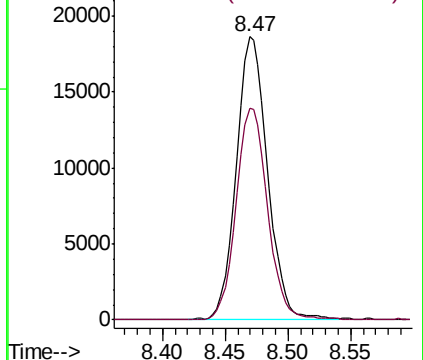


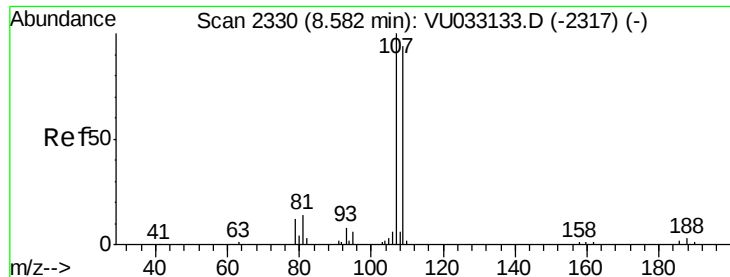
#49
Dibromochloromethane
Concen: 5.069 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU033158.D
Acq: 02 Jul 2019 22:12

Tgt Ion:	129	Resp:	32291
Ion	Ratio	Lower	Upper
129	100		
127	74.6	51.6	95.8



Abundance Ion 128.95 (128.65 to 129.65): VU033133.D (-2283) (-)
Ion 126.90 (126.60 to 127.60): VU033133.D (-2283) (-)

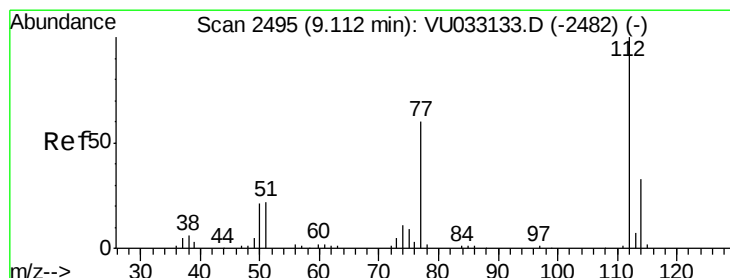
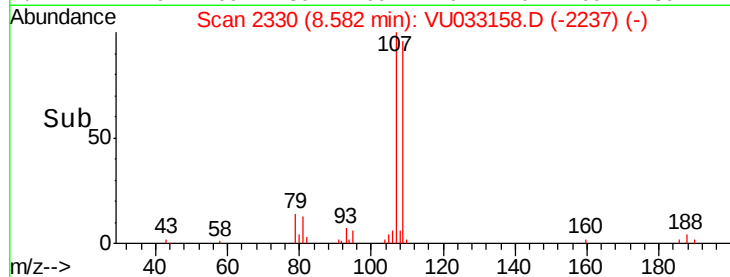
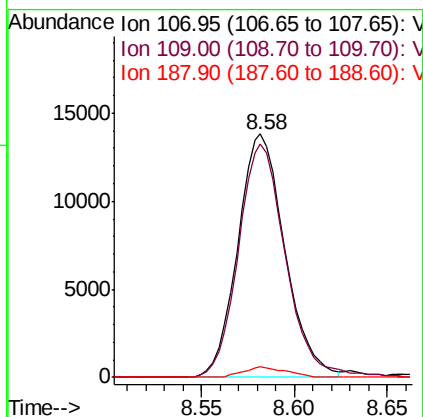
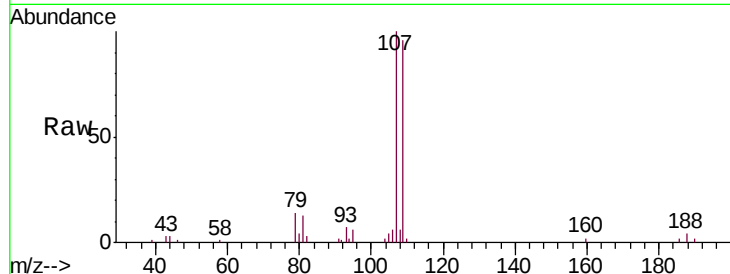




#50
 1,2-Dibromoethane
 Concen: 4.979 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

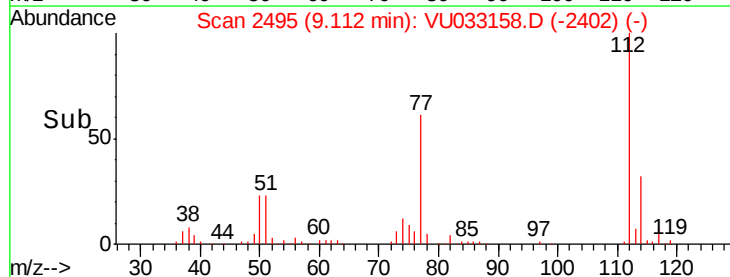
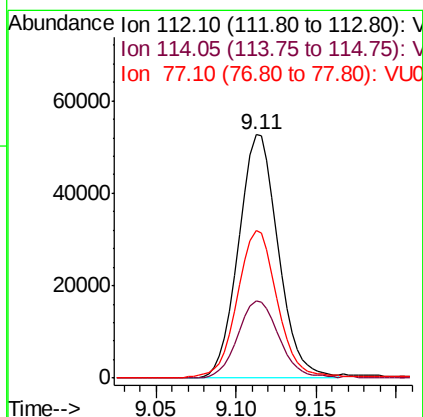
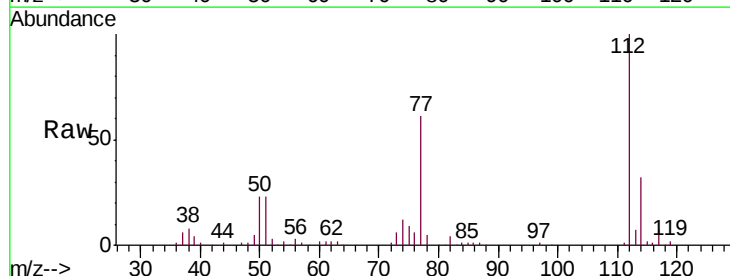
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

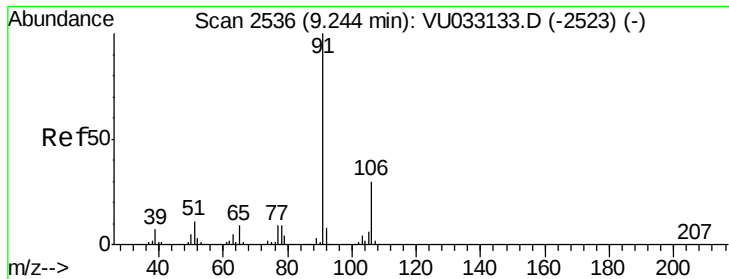
Tgt Ion:107 Resp: 24254
 Ion Ratio Lower Upper
 107 100
 109 95.9 65.5 121.7
 188 4.3 2.5 3.7#



#51
 Chlorobenzene
 Concen: 4.766 ug/L
 RT: 9.11 min Scan# 2495
 Delta R.T. -0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Tgt Ion:112 Resp: 89262
 Ion Ratio Lower Upper
 112 100
 114 31.5 23.0 42.6
 77 60.5 48.3 72.5





#52

Ethylbenzene

Concen: 4.750 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

Instrument :

MSVOA_U

ClientSampleId :

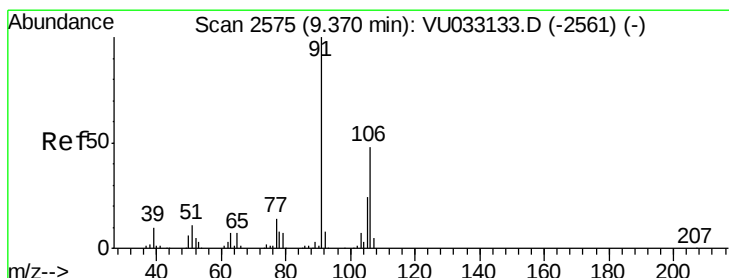
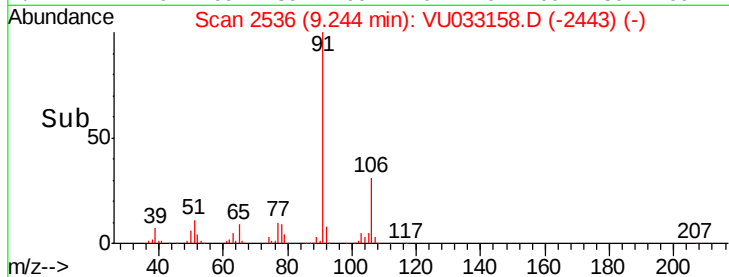
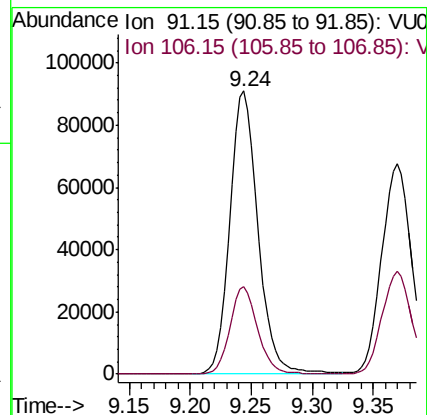
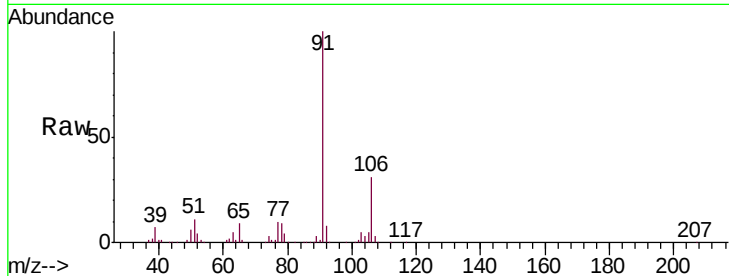
VSTD00511

Tgt Ion: 91 Resp: 147864

Ion Ratio Lower Upper

91 100

106 30.9 21.2 39.4



#53

m,p-Xylene

Concen: 4.893 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU033158.D

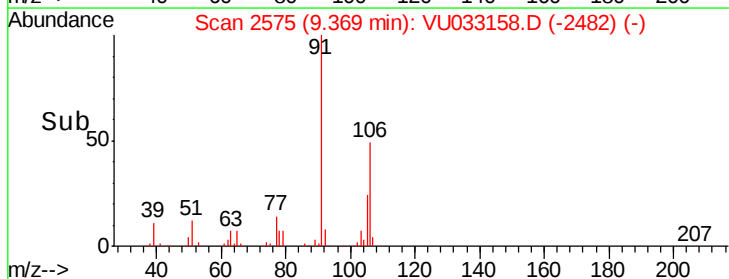
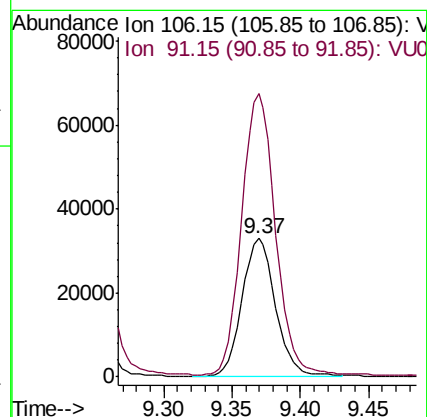
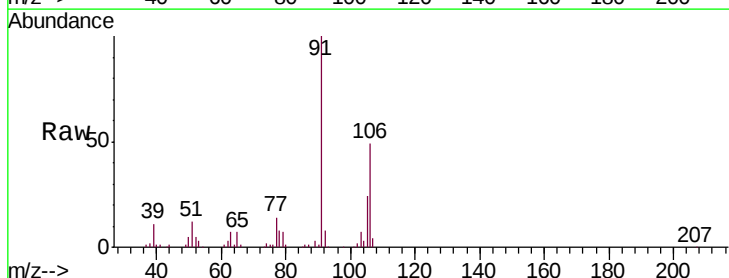
Acq: 02 Jul 2019 22:12

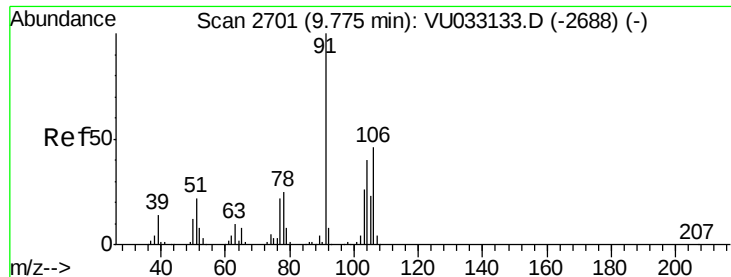
Tgt Ion: 106 Resp: 55629

Ion Ratio Lower Upper

106 100

91 204.8 145.6 270.4

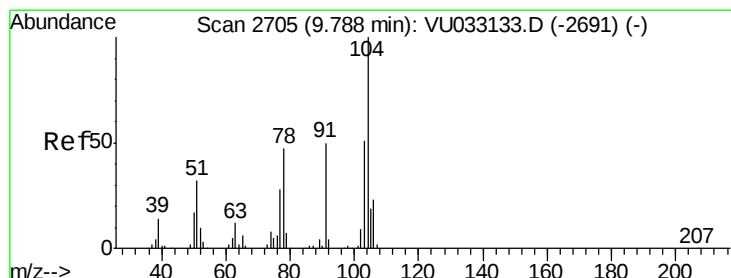
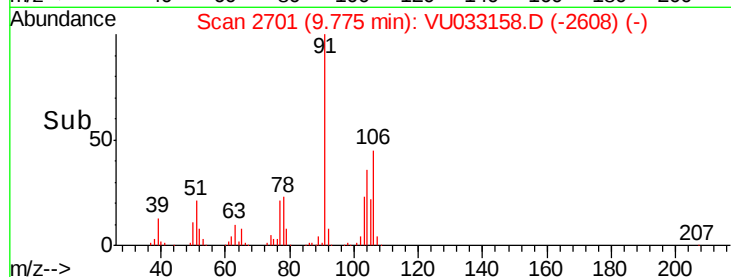
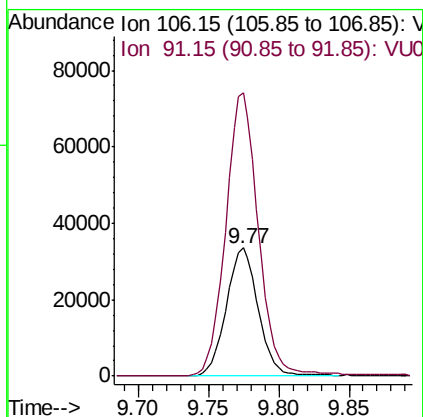
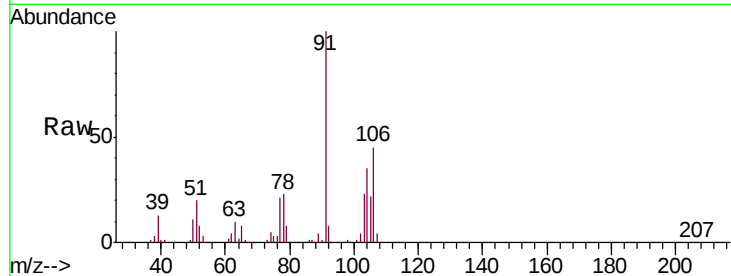




#54
o-Xylene
Concen: 4.807 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033158.D
Acq: 02 Jul 2019 22:12

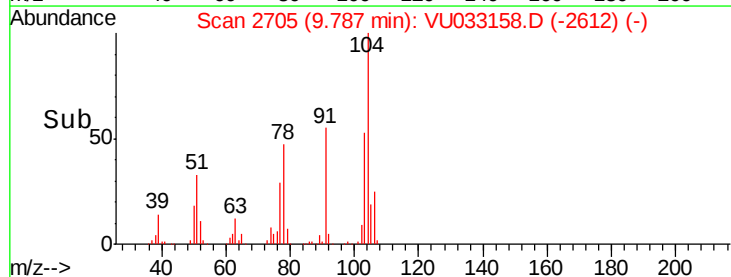
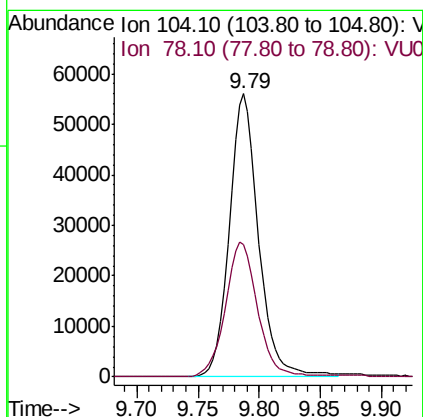
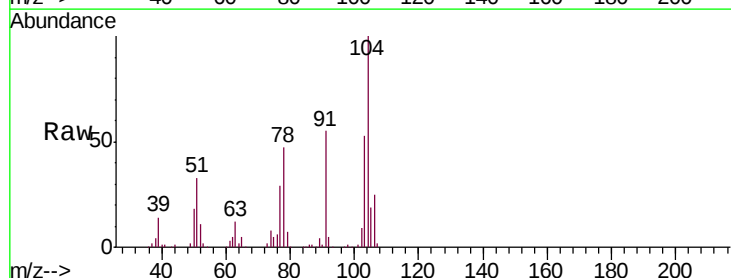
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

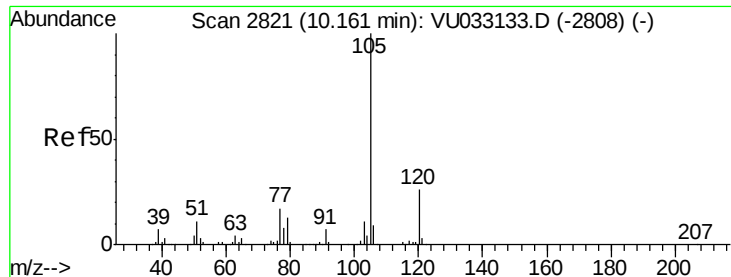
Tgt Ion:106 Resp: 53328
Ion Ratio Lower Upper
106 100
91 221.3 159.2 295.6



#55
Styrene
Concen: 4.999 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU033158.D
Acq: 02 Jul 2019 22:12

Tgt Ion:104 Resp: 93559
Ion Ratio Lower Upper
104 100
78 46.9 34.6 64.3





#56

Isopropylbenzene

Concen: 4.866 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

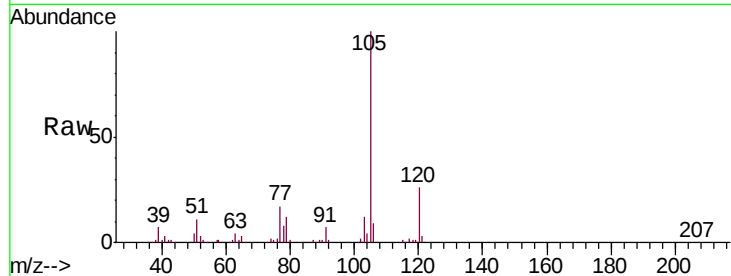
Tgt Ion: 105 Resp: 145225

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

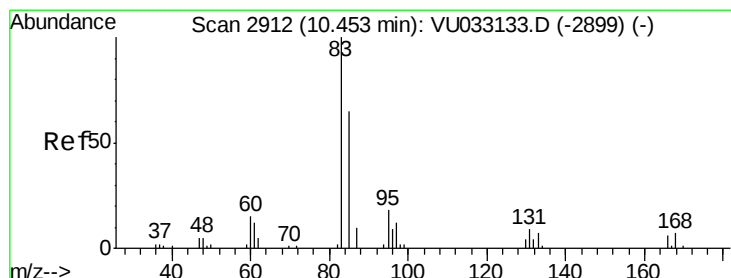
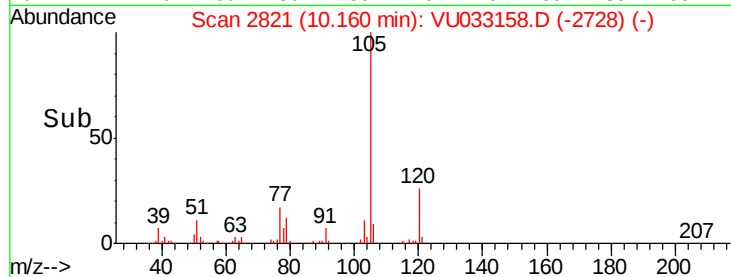
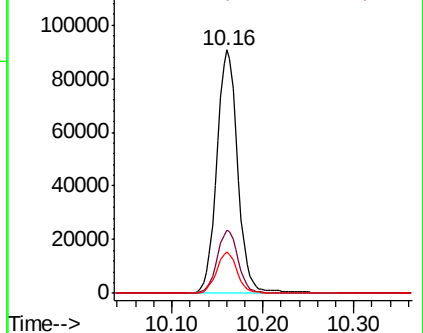
77 16.8 13.5 20.3



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: 5.046 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

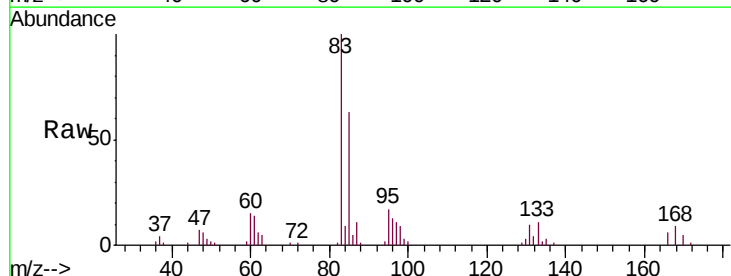
Tgt Ion: 83 Resp: 32617

Ion Ratio Lower Upper

83 100

85 63.0 46.2 85.8

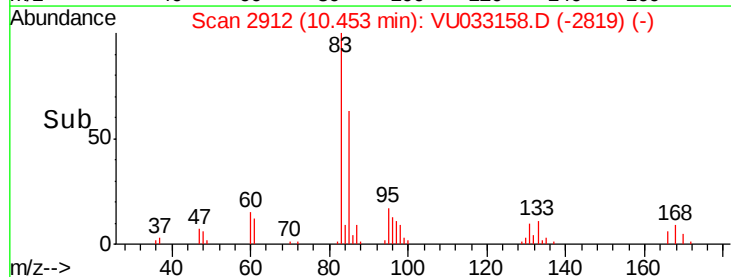
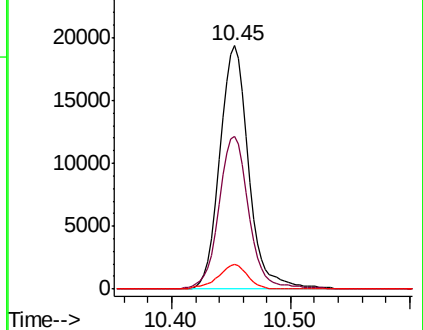
131 10.2 7.3 10.9

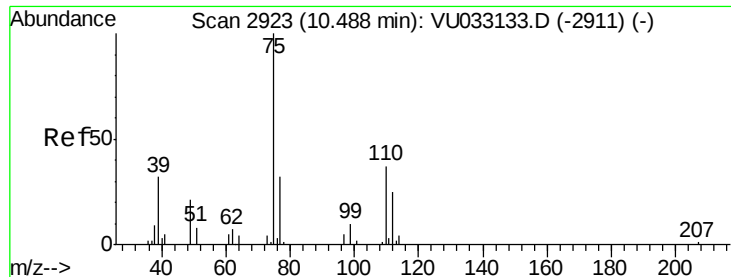


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

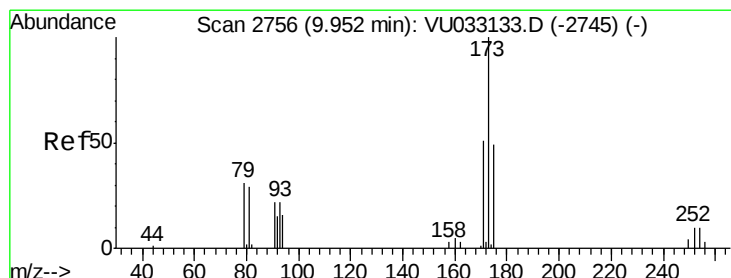
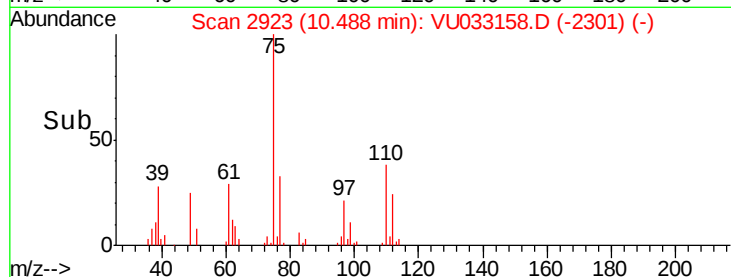
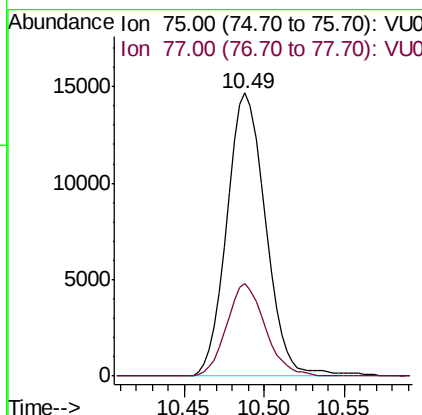
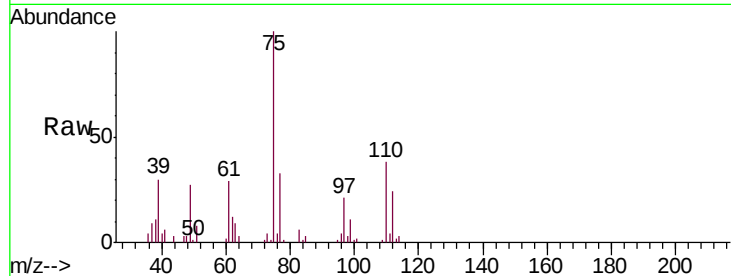




#59
 1,2,3-Trichloropropane
 Concen: 4.898 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

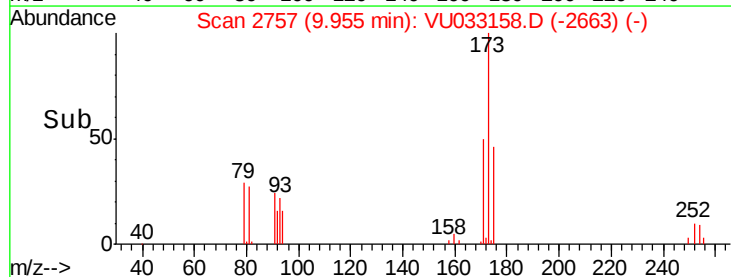
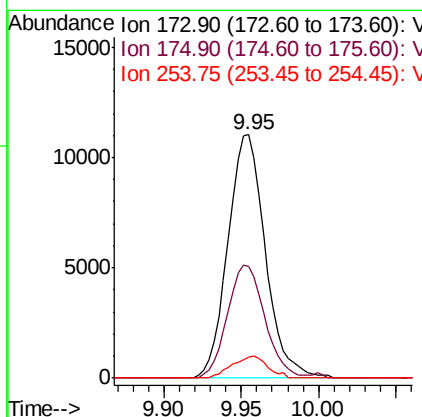
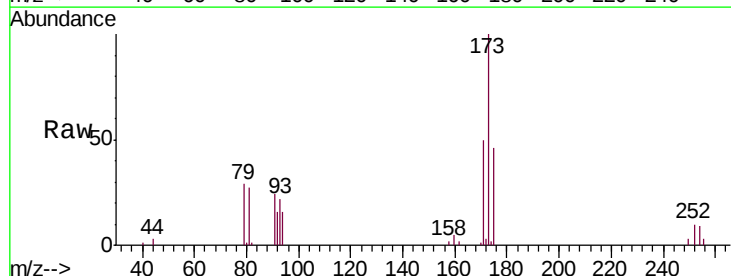
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

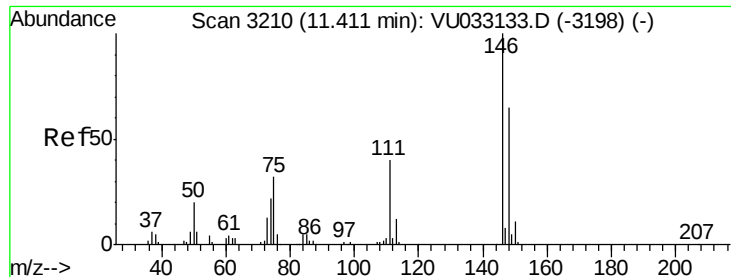
Tgt Ion: 75 Resp: 24198
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.8 38.8



#61
 Bromoform
 Concen: 5.174 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Tgt Ion: 173 Resp: 18512
 Ion Ratio Lower Upper
 173 100
 175 46.5 38.2 57.2
 254 8.5 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 4.769 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

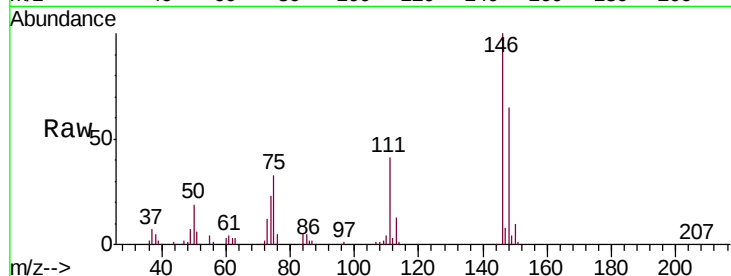
Tgt Ion:146 Resp: 70857

Ion Ratio Lower Upper

146 100

111 41.2 28.2 52.4

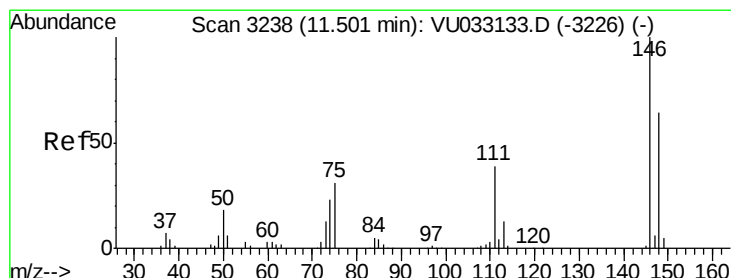
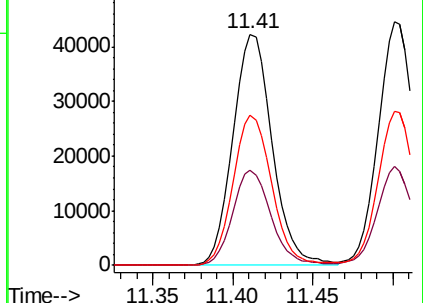
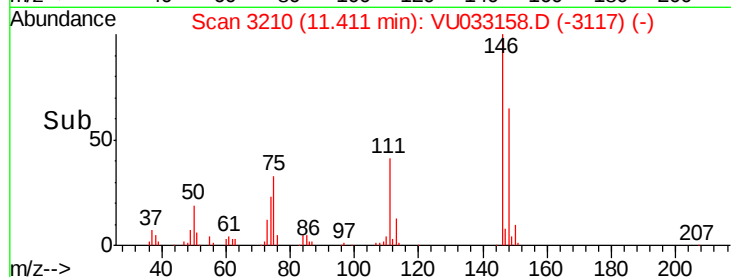
148 64.9 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.754 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

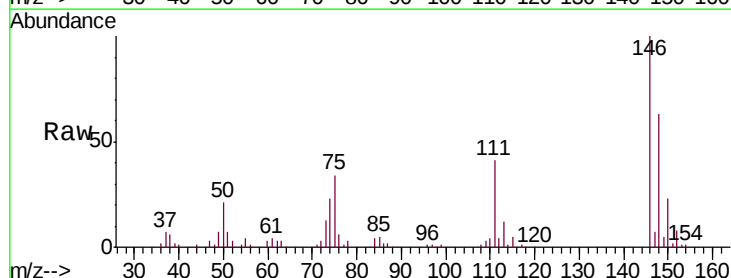
Tgt Ion:146 Resp: 73367

Ion Ratio Lower Upper

146 100

111 40.7 27.0 50.2

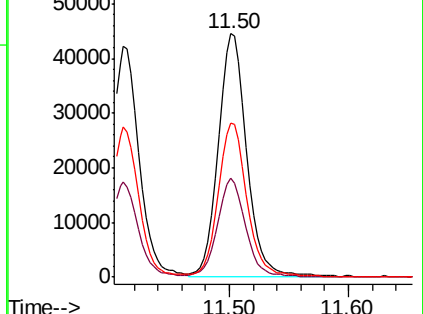
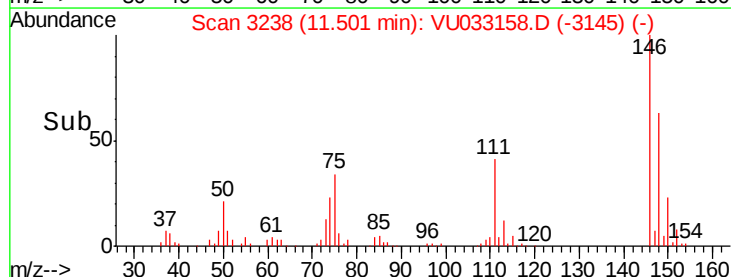
148 63.2 45.1 83.7

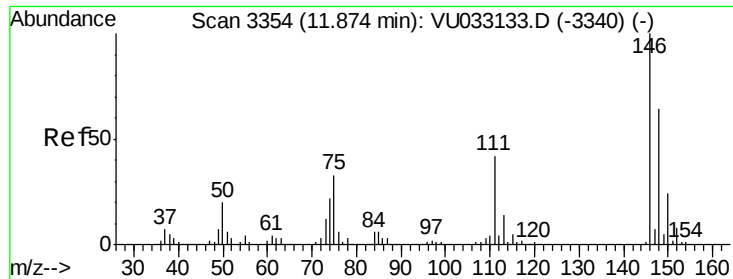


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.912 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

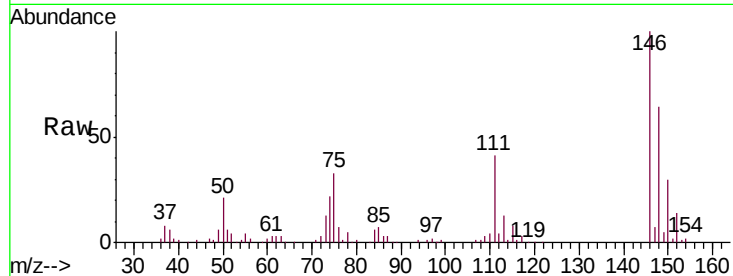
Tgt Ion:146 Resp: 71420

Ion Ratio Lower Upper

146 100

111 41.4 31.8 47.8

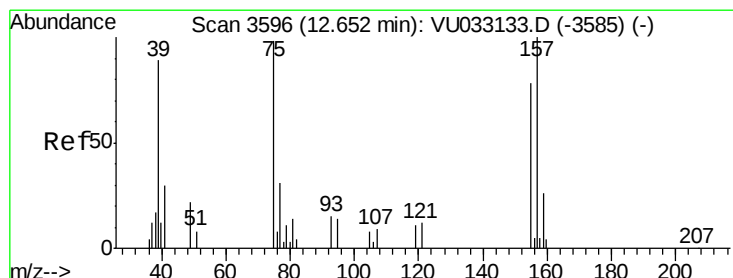
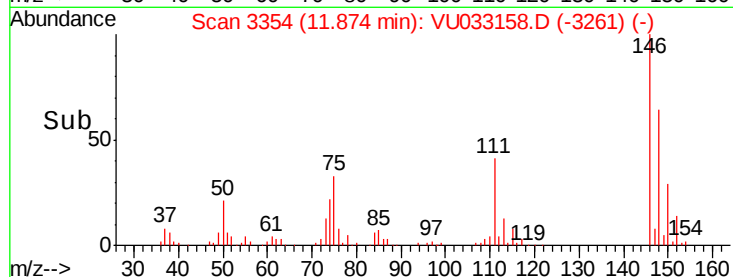
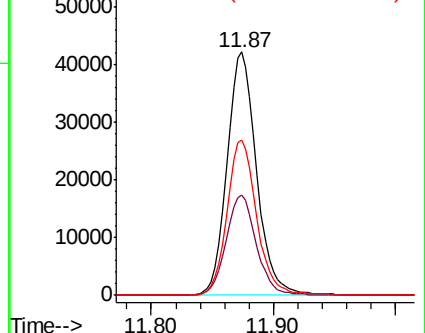
148 63.6 50.7 76.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.151 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

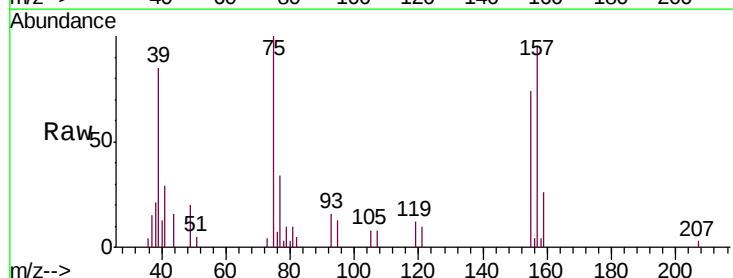
Tgt Ion: 75 Resp: 5144

Ion Ratio Lower Upper

75 100

155 74.0 59.5 89.3

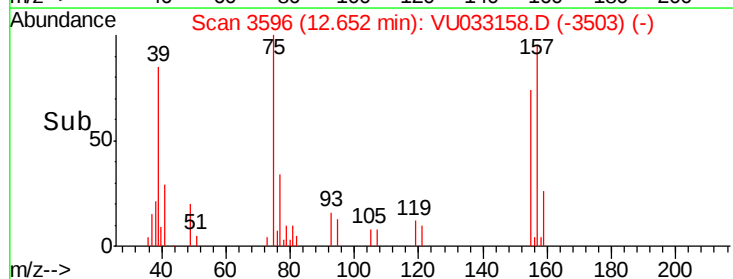
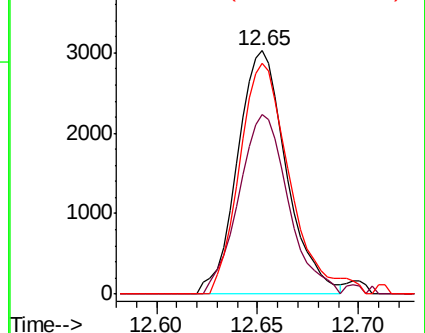
157 94.6 86.2 129.4

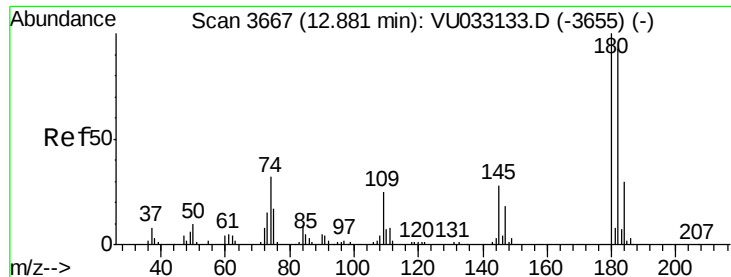


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

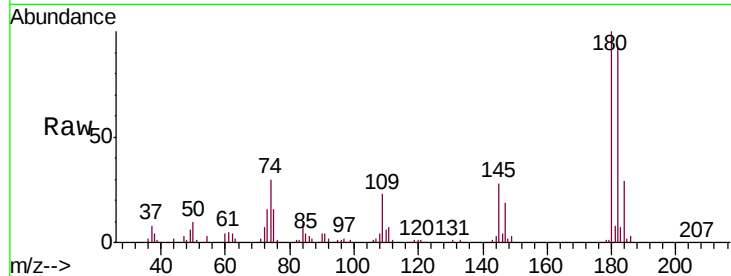




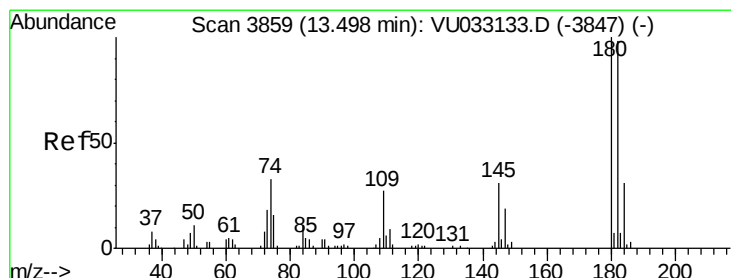
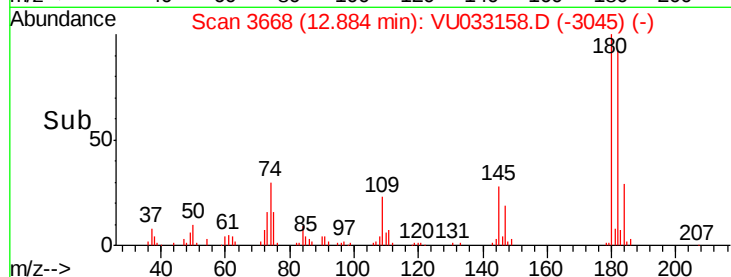
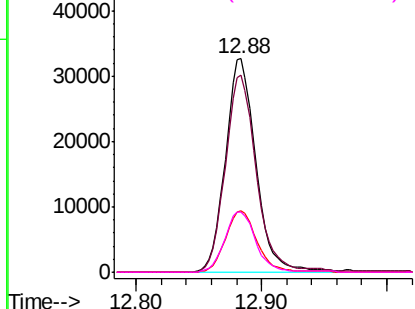
#67
 1,3,5-Trichlorobenzene
 Concen: 4.739 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tgt Ion:180 Resp: 55093
 Ion Ratio Lower Upper
 180 100
 182 94.7 78.3 117.5
 184 29.6 24.2 36.2
 145 29.0 23.4 35.2

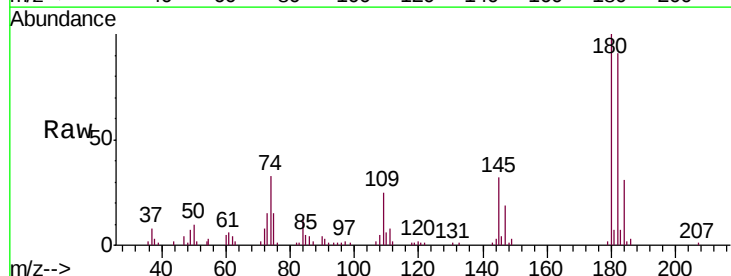


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

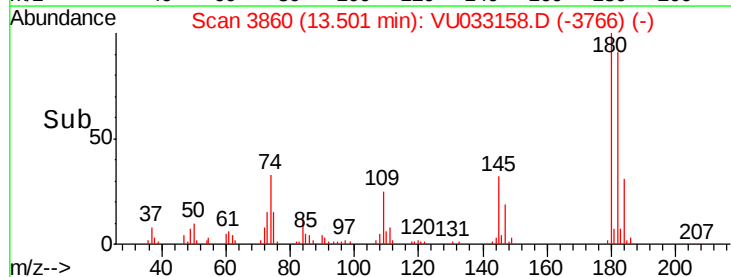
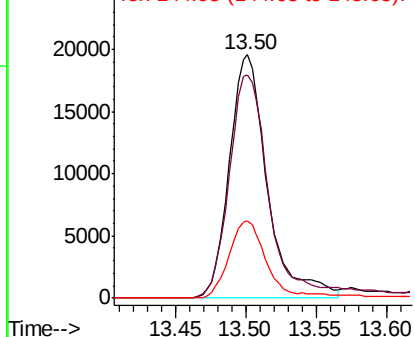


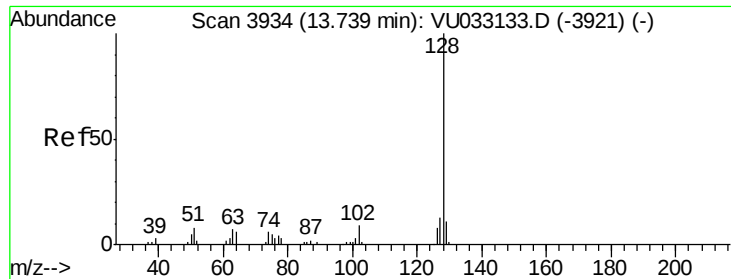
#68
 1,2,4-trichlorobenzene
 Concen: 4.462 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU033158.D
 Acq: 02 Jul 2019 22:12

Tgt Ion:180 Resp: 36916
 Ion Ratio Lower Upper
 180 100
 182 93.7 75.7 113.5
 145 32.2 23.1 34.7



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: 4.083 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

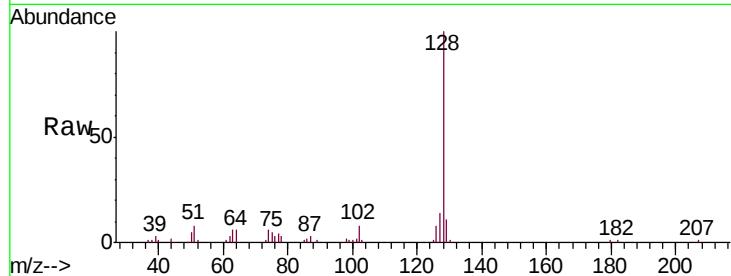
Tgt Ion:128 Resp: 49495

Ion Ratio Lower Upper

128 100

129 10.0 8.4 12.6

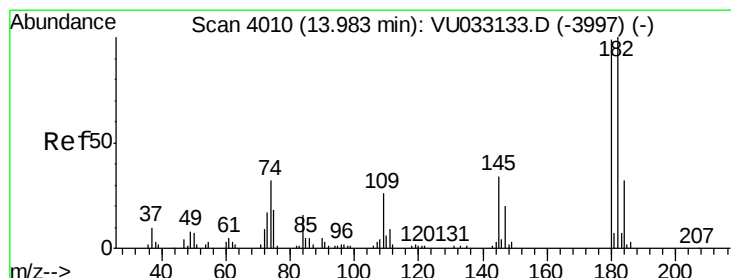
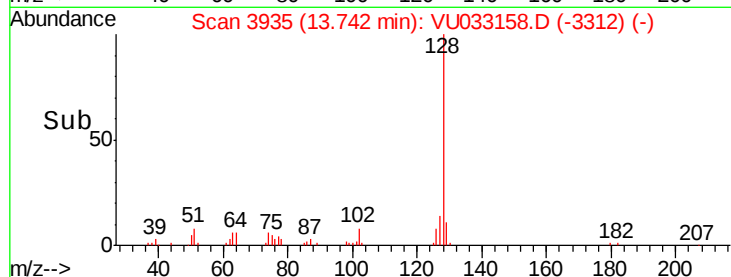
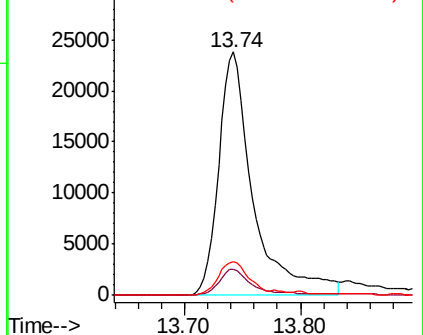
127 13.1 10.2 15.4



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: 4.814 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU033158.D

Acq: 02 Jul 2019 22:12

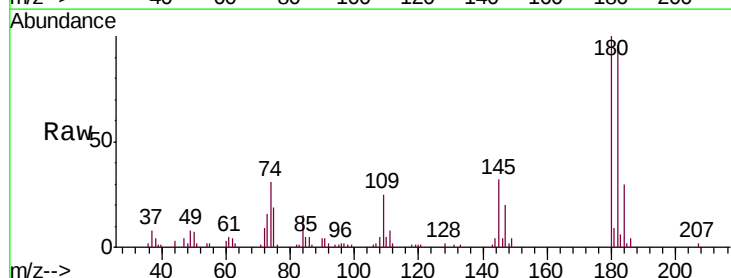
Tgt Ion:180 Resp: 37861

Ion Ratio Lower Upper

180 100

182 96.2 79.9 119.9

145 31.3 25.4 38.2



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

