

Data File : VU033078.D
Acq On : 28 Jun 2019 17:54
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Quant Time: Jun 29 00:36:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 29 00:32:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	90284	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	93314	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48715	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	27232	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.68	69	23730	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.27	63	62670	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	4.19	46	91798	50.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.64%
24) Chloroform-d	4.64	84	60388	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.30	65	33624	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.33	84	110228	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.32	67	35419	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.56	98	105835	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.85	79	15052	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.31	63	63755	48.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31598	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	43164	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	46437	4.996	ug/L 99
3) Chloromethane	1.33	50	43279	4.944	ug/L 98
5) Vinyl chloride	1.40	62	43956	4.978	ug/L 99
6) Bromomethane	1.62	94	23072	4.984	ug/L 95
8) Chloroethane	1.69	64	25890	5.060	ug/L 97
9) Trichlorofluoromethane	1.88	101	64185	5.129	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	32659	5.043	ug/L 98
12) 1,1-Dichloroethene	2.28	96	29377	4.888	ug/L 97
13) Acetone	2.32	43	73869	48.047	ug/L 99
14) Carbon disulfide	2.47	76	98927	4.948	ug/L 100
15) Methyl Acetate	2.61	43	17372	4.884	ug/L 98
16) Methylene chloride	2.69	84	33483	4.859	ug/L 99
17) Methyl tert-butyl Ether	3.00	73	83890	4.976	ug/L 98
18) trans-1,2-Dichloroethene	2.97	96	32368	4.921	ug/L 96
19) 1,1-Dichloroethane	3.43	63	65367	5.056	ug/L 100
21) 2-Butanone	4.27	43	105909	48.937	ug/L 100
22) cis-1,2-Dichloroethene	4.22	96	35581	4.979	ug/L 99

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	17233	5.435	ug/L	97
25) Chloroform	4.67	83	66874	5.090	ug/L	96
27) 1,2-Dichloroethane	5.40	62	46716	5.192	ug/L	96
29) 1,1,1-Trichloroethane	4.90	97	57606	4.859	ug/L	100
30) Cyclohexane	4.98	56	52824	4.809	ug/L	100
31) Carbon tetrachloride	5.12	117	52753	4.891	ug/L	98
33) Benzene	5.38	78	137107	4.984	ug/L	100
34) Trichloroethene	6.18	95	36208	4.806	ug/L	99
35) Methylcyclohexane	6.41	83	54519	4.861	ug/L	99
37) 1,2-Dichloropropane	6.43	63	37179	5.039	ug/L	99
38) Bromodichloromethane	6.75	83	48226	4.958	ug/L	95
39) cis-1,3-Dichloropropene	7.26	75	52545	4.885	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	253814	49.914	ug/L	99
42) Toluene	7.63	91	146839	4.997	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	43953	5.014	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	25581	4.945	ug/L	97
47) Tetrachloroethene	8.22	164	31922	5.267	ug/L	98
48) 2-Hexanone	8.36	43	186869	51.355	ug/L	99
49) Dibromochloromethane	8.47	129	32453	4.944	ug/L	99
50) 1,2-Dibromoethane	8.58	107	24792	4.915	ug/L	95
51) Chlorobenzene	9.11	112	95199	4.904	ug/L	99
52) Ethylbenzene	9.24	91	158659	4.904	ug/L	98
53) m,p-Xylene	9.37	106	61305	5.221	ug/L	98
54) o-Xylene	9.77	106	58066	5.074	ug/L	98
55) Styrene	9.79	104	101001	5.214	ug/L	97
56) Isopropylbenzene	10.16	105	154697	4.979	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	32561	4.852	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	24437	4.949	ug/L	98
61) Bromoform	9.95	173	19033	5.133	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	76838	5.044	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	79705	5.015	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	75909	5.138	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	5404	5.318	ug/L	91
67) 1,3,5-Trichlorobenzene	12.88	180	62915	5.182	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	46104	5.313	ug/L	95
69) Naphthalene	13.74	128	65674	5.158	ug/L	96
70) 1,2,3-Trichlorobenzene	13.98	180	44464	5.226	ug/L	97

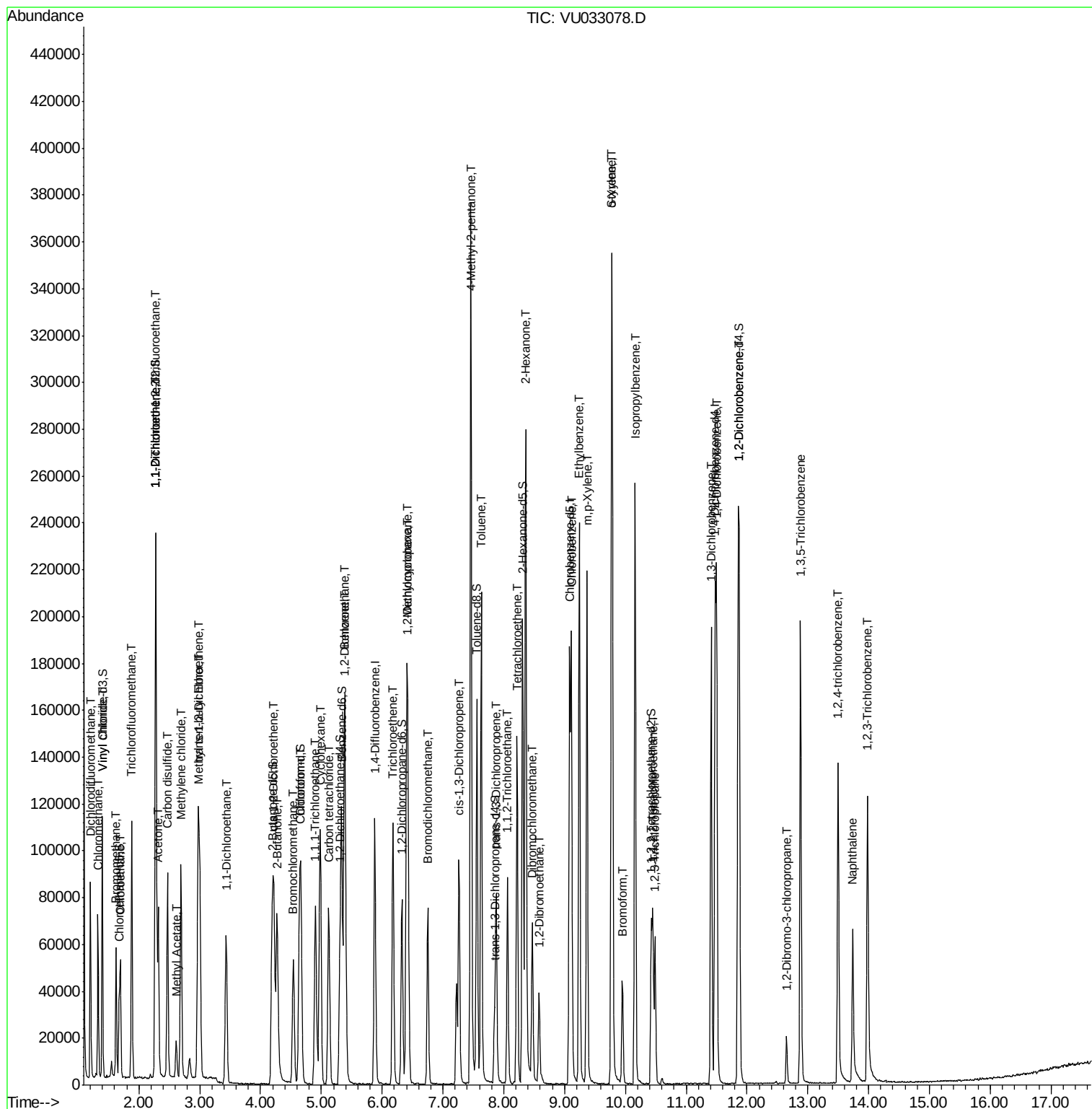
(#) = qualifier out of range (m) = manual integration (+) = signals summed

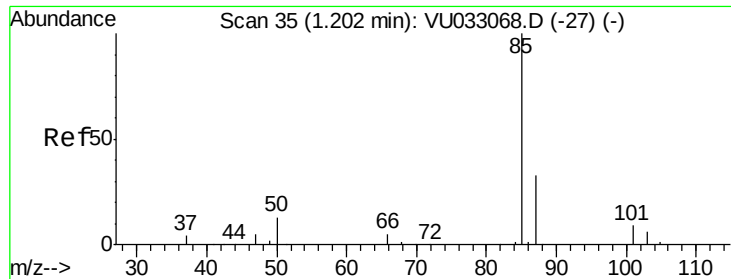
Data File : VU033078.D

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Acq On       : 28 Jun 2019 17:54
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#2

Dichlorodifluoromethane

Concen: 4.996 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

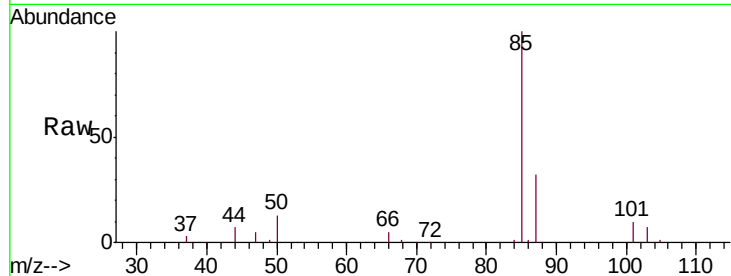
VSTD00508

Tgt Ion: 85 Resp: 46437

Ion Ratio Lower Upper

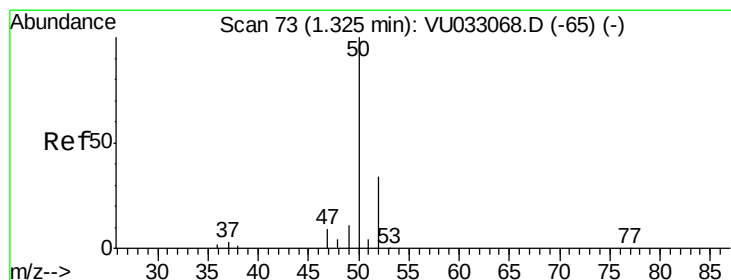
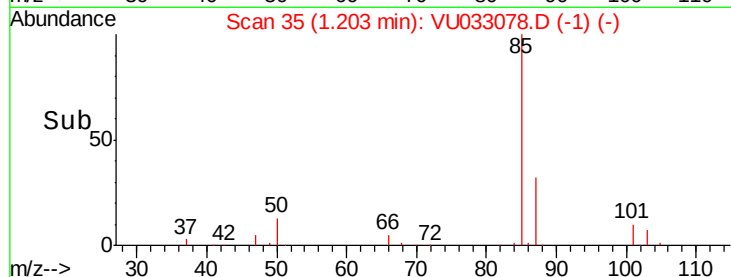
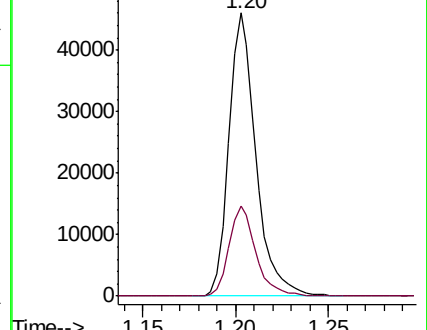
85 100

87 31.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033068.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU033078.D (-1) (-)



#3

Chloromethane

Concen: 4.944 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU033078.D

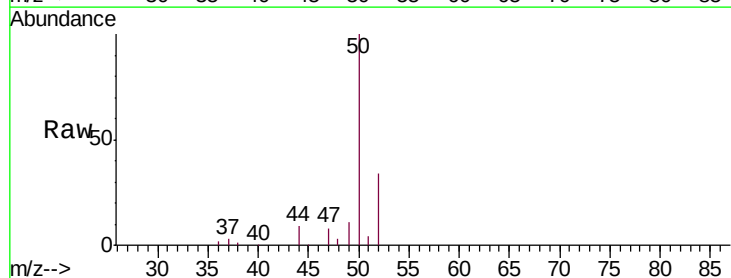
Acq: 28 Jun 2019 17:54

Tgt Ion: 50 Resp: 43279

Ion Ratio Lower Upper

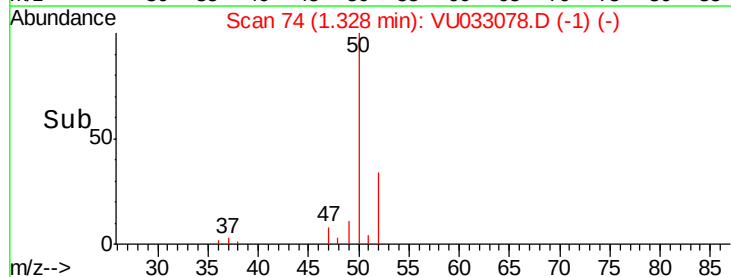
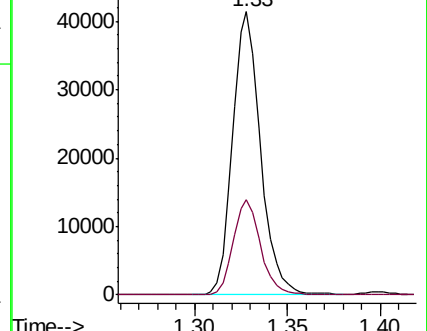
50 100

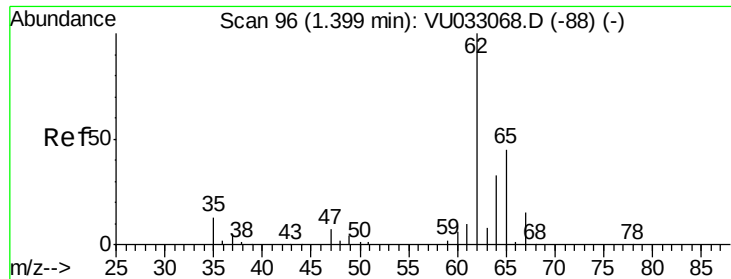
52 33.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU033068.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU033078.D (-1) (-)





#5

Vinyl chloride

Concen: 4.978 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

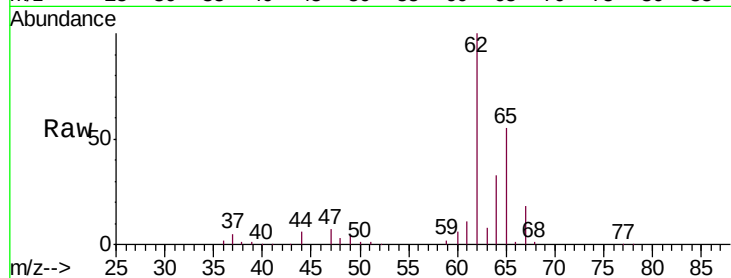
VSTD00508

Tgt Ion: 62 Resp: 43956

Ion Ratio Lower Upper

62 100

64 33.3 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033068.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU033068.D (-88) (-)

1.40

40000

30000

20000

10000

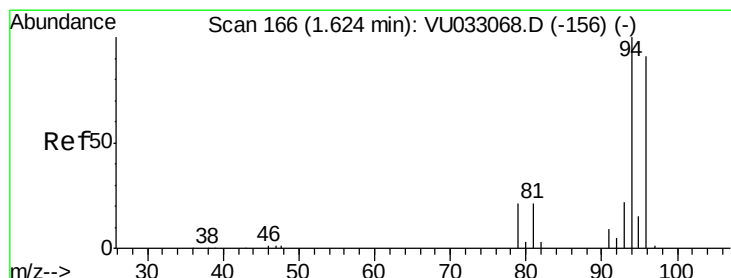
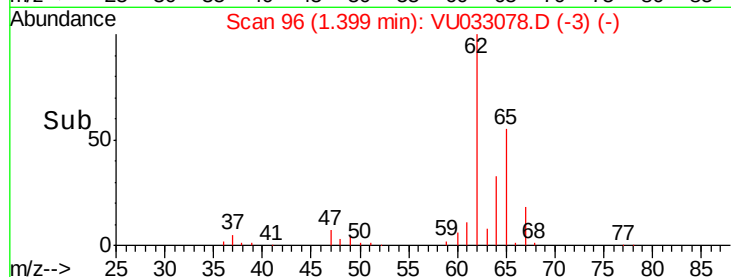
0

Time-->

1.35

1.40

1.45



#6

Bromomethane

Concen: 4.984 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU033078.D

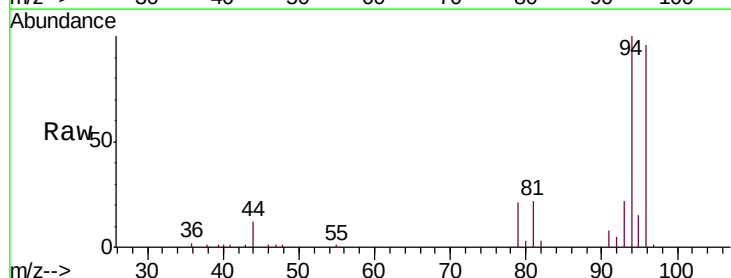
Acq: 28 Jun 2019 17:54

Tgt Ion: 94 Resp: 23072

Ion Ratio Lower Upper

94 100

96 96.0 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VU033068.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033068.D (-156) (-)

1.62

20000

15000

10000

5000

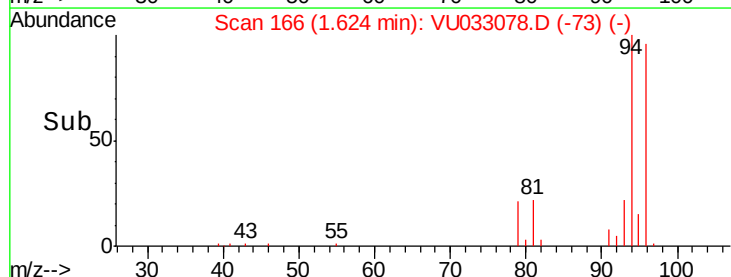
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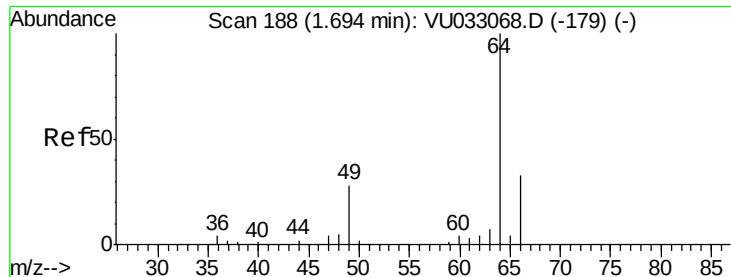
Time-->

1.60

1.65

1.70

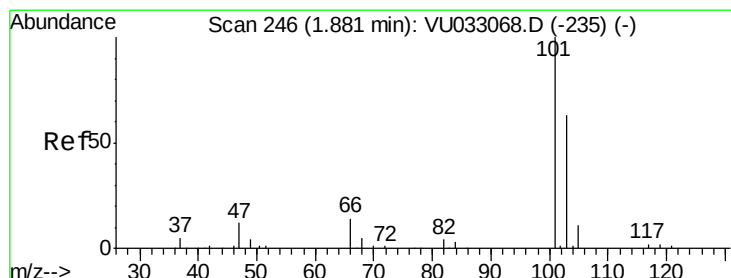
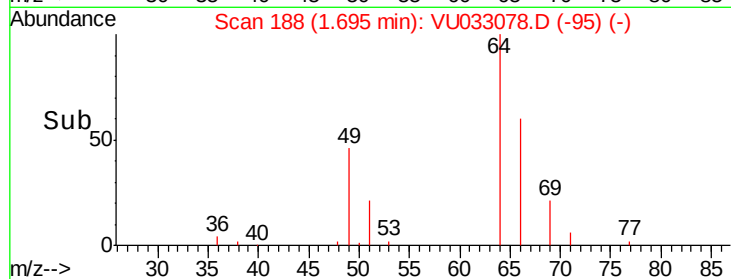
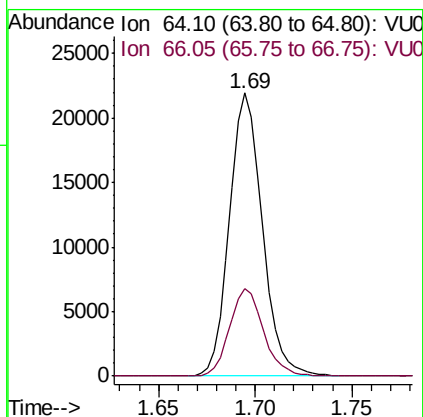
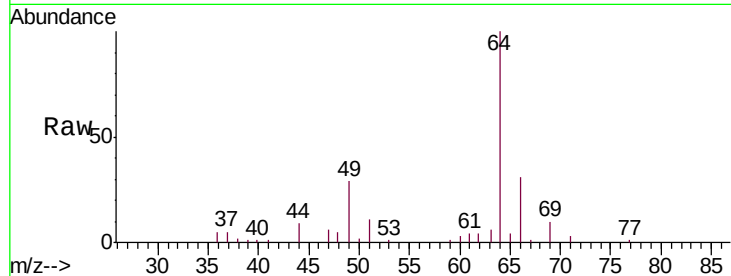




#8
 Chloroethane
 Concen: 5.060 ug/L
 RT: 1.69 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

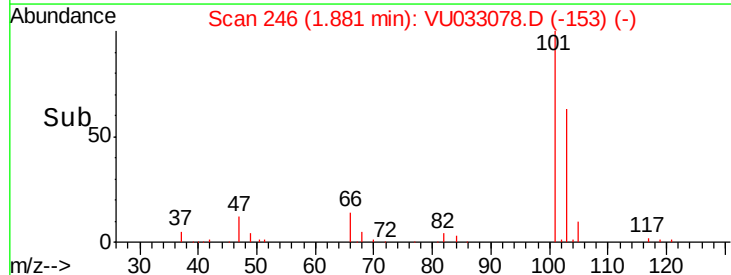
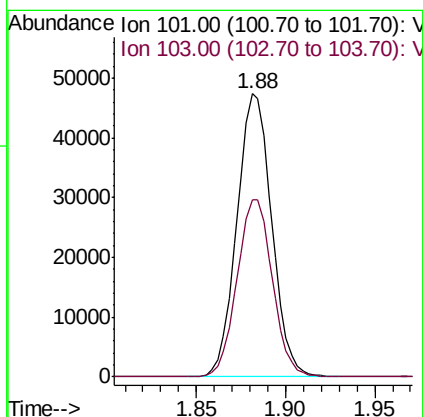
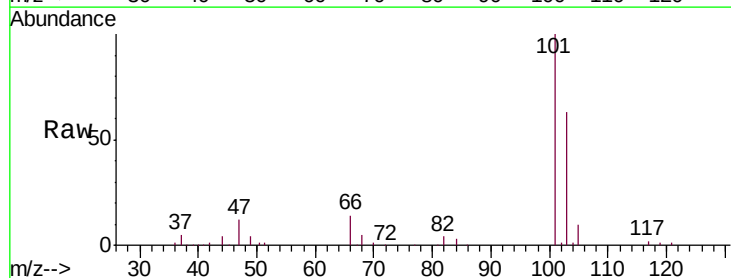
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

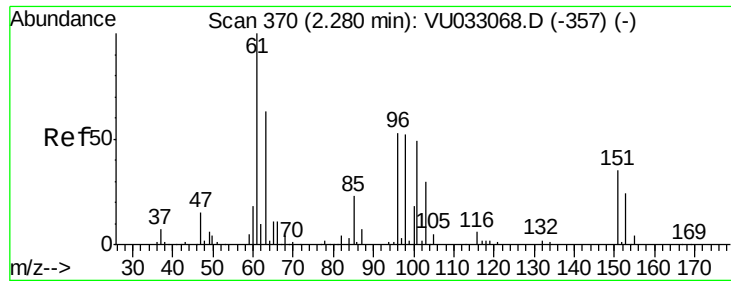
Tgt Ion: 64 Resp: 25890
 Ion Ratio Lower Upper
 64 100
 66 30.8 22.9 42.5



#9
 Trichlorofluoromethane
 Concen: 5.129 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

Tgt Ion: 101 Resp: 64185
 Ion Ratio Lower Upper
 101 100
 103 64.0 50.1 75.1





#10

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

Concen: 5.043 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

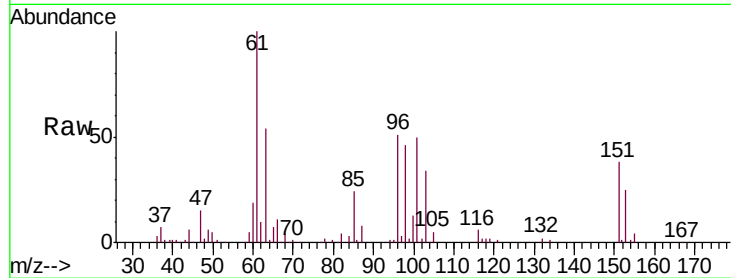
Tgt Ion: 101 Resp: 32659

Ion Ratio Lower Upper

101 100

85 47.3 37.1 55.7

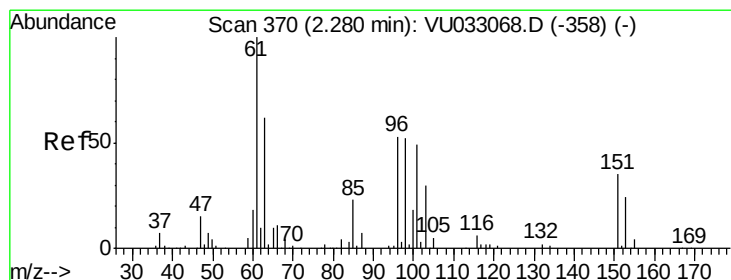
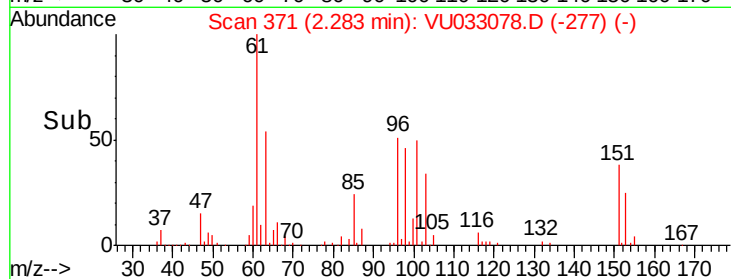
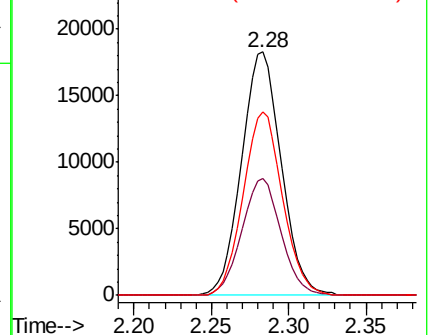
151 74.5 61.0 91.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.888 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

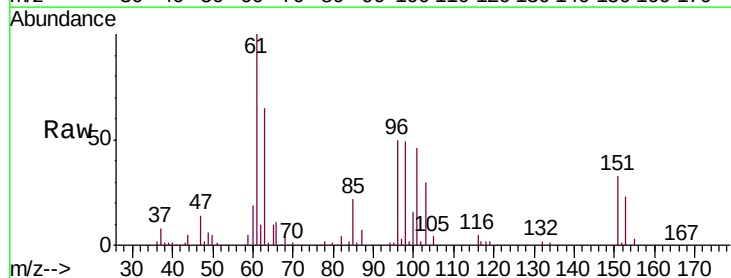
Tgt Ion: 96 Resp: 29377

Ion Ratio Lower Upper

96 100

61 200.6 137.6 255.6

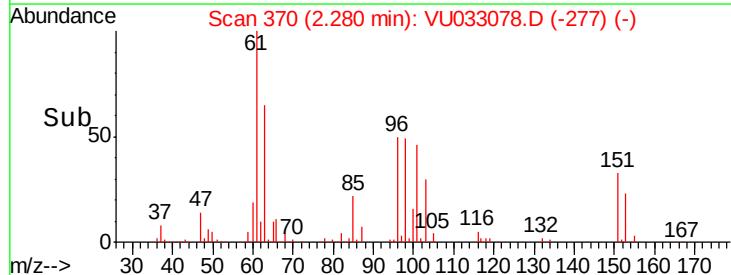
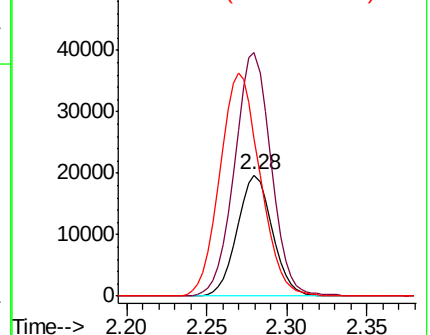
63 130.0 94.4 175.2

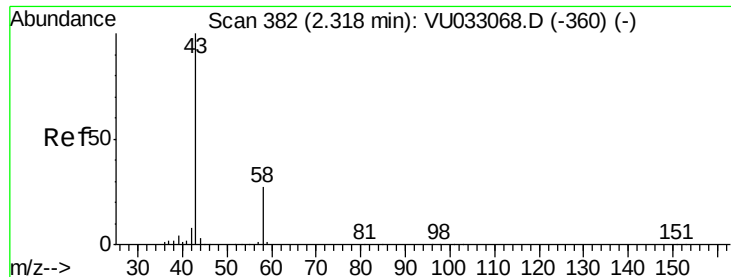


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.047 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

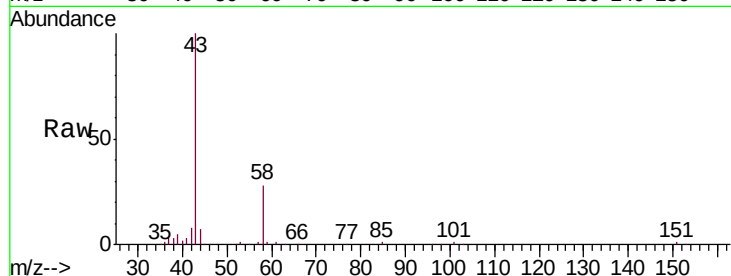
VSTD00508

Tgt Ion: 43 Resp: 73869

Ion Ratio Lower Upper

43 100

58 26.2 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VU033068.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU033068.D (-360) (-)

2.32

50000

40000

30000

20000

10000

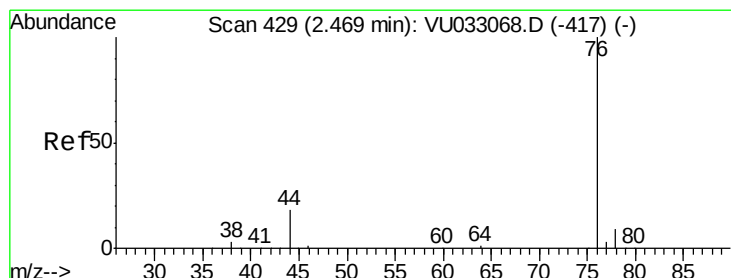
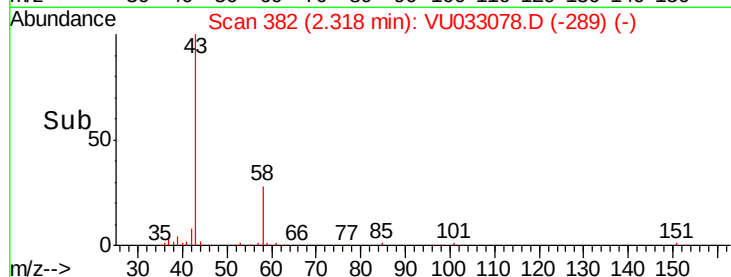
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Time-->

2.20

2.30

2.40



#14

Carbon disulfide

Concen: 4.948 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU033078.D

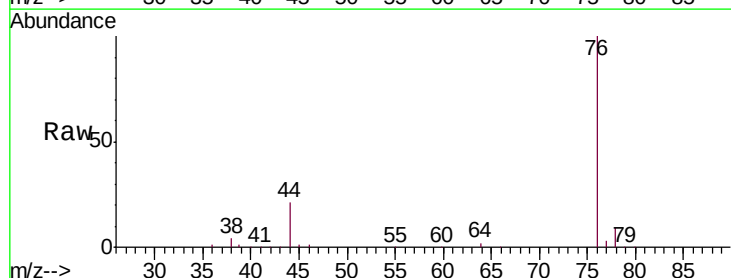
Acq: 28 Jun 2019 17:54

Tgt Ion: 76 Resp: 98927

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU033068.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU033068.D (-417) (-)

2.47

60000

40000

20000

0

Time-->

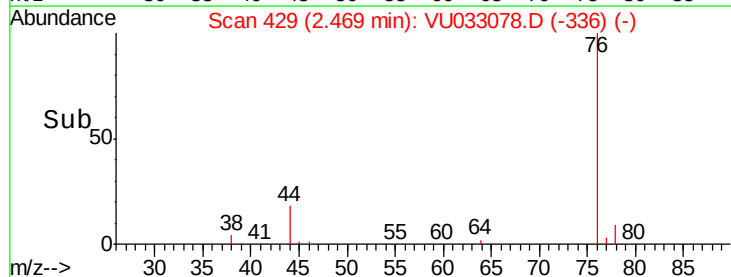
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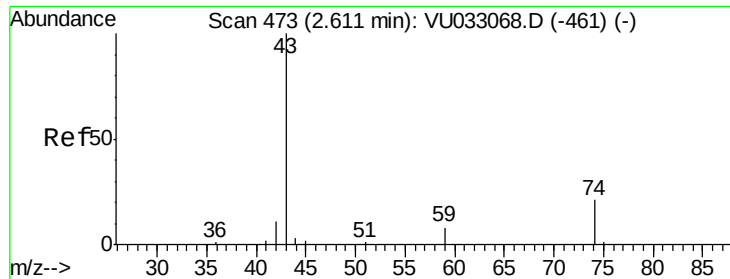
2.45

2.50

2.55

2.60

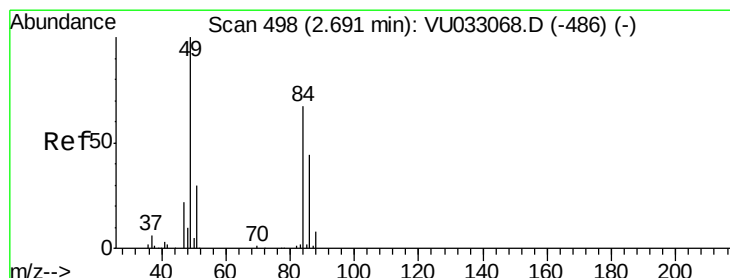
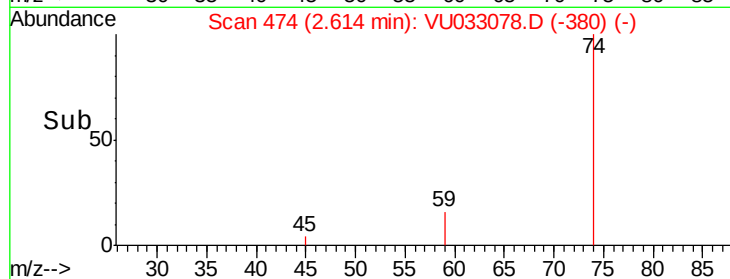
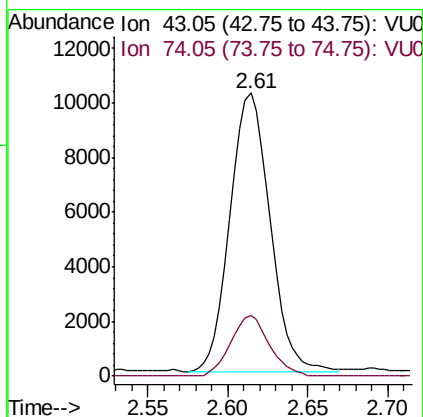
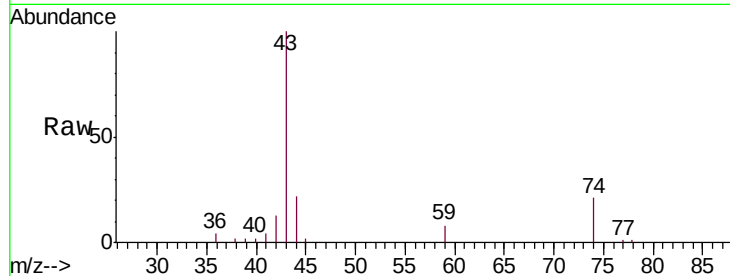




#15
Methyl Acetate
Concen: 4.884 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU033078.D
Acq: 28 Jun 2019 17:54

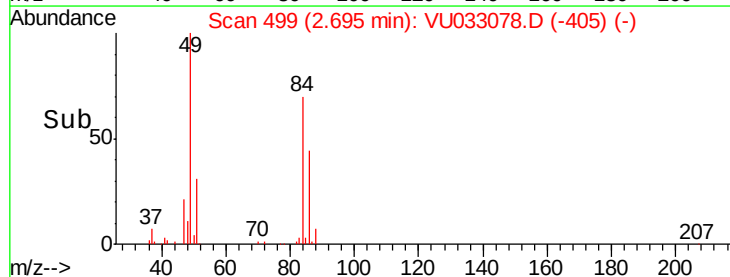
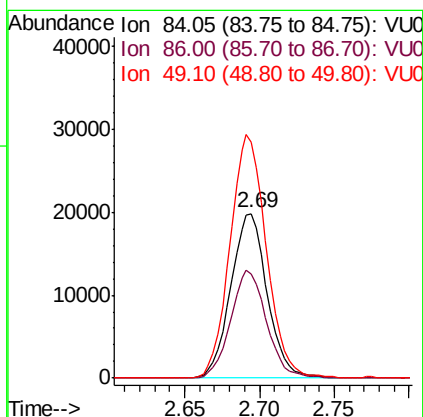
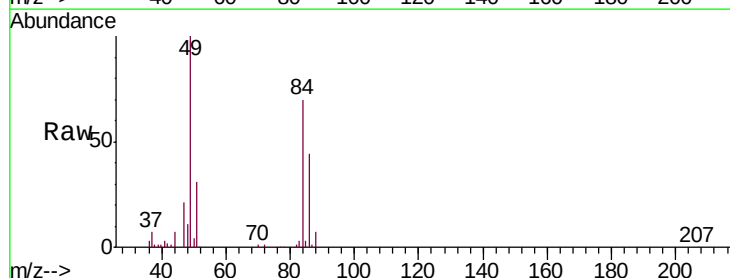
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

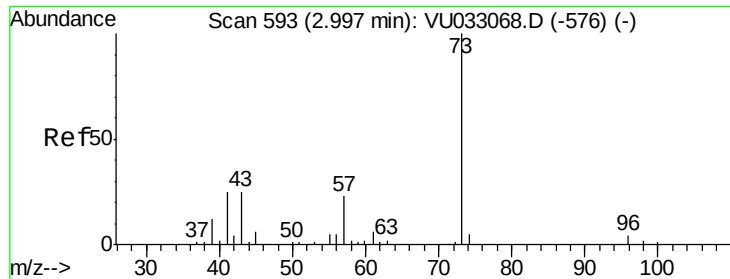
Tgt Ion: 43 Resp: 17372
Ion Ratio Lower Upper
43 100
74 20.9 16.1 24.1



#16
Methylene chloride
Concen: 4.859 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU033078.D
Acq: 28 Jun 2019 17:54

Tgt Ion: 84 Resp: 33483
Ion Ratio Lower Upper
84 100
86 63.4 44.7 82.9
49 143.0 99.7 185.1

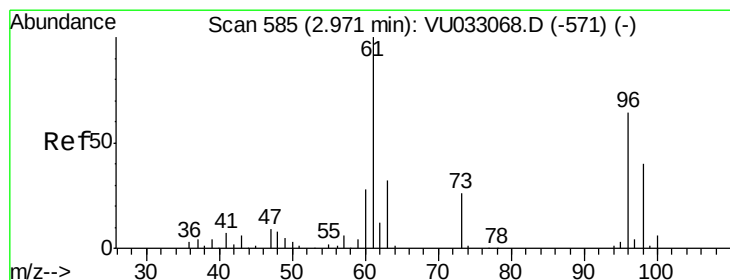
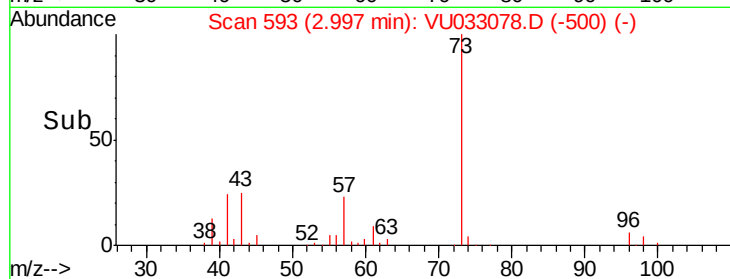
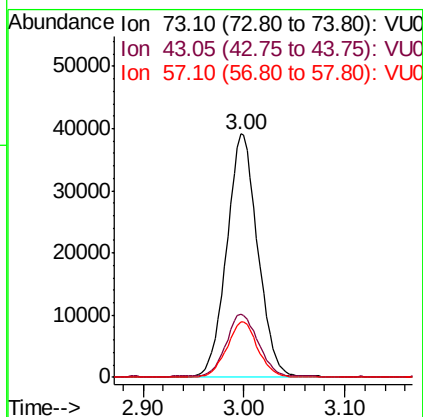
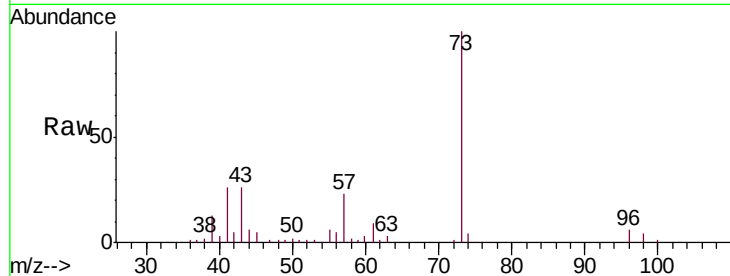




#17
Methyl tert-butyl Ether
Concen: 4.976 ug/L
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU033078.D
Acq: 28 Jun 2019 17:54

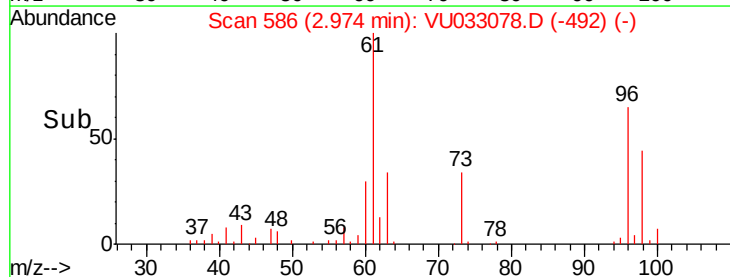
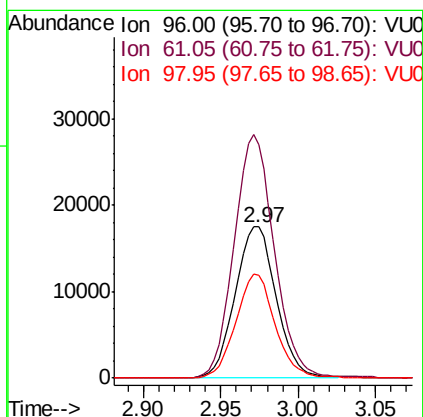
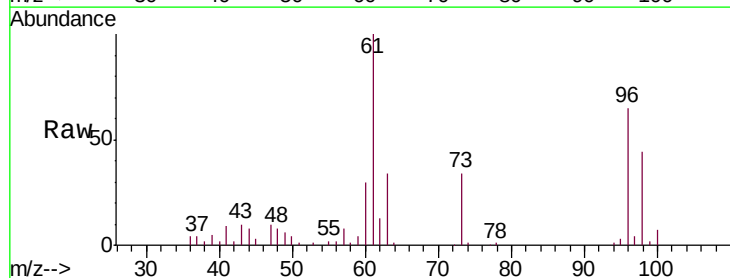
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

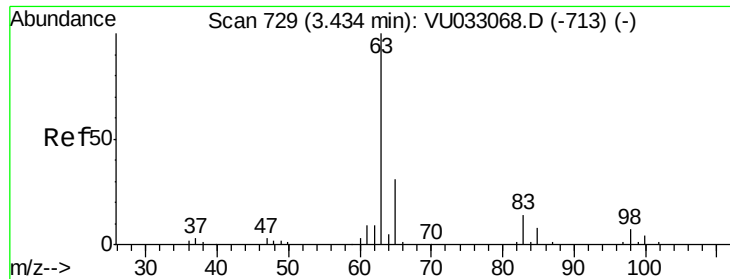
Tgt Ion: 73 Resp: 83890
Ion Ratio Lower Upper
73 100
43 26.4 20.2 30.2
57 22.7 18.5 27.7



#18
trans-1,2-Dichloroethene
Concen: 4.921 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU033078.D
Acq: 28 Jun 2019 17:54

Tgt Ion: 96 Resp: 32368
Ion Ratio Lower Upper
96 100
61 154.5 112.2 208.4
98 68.2 45.4 84.4

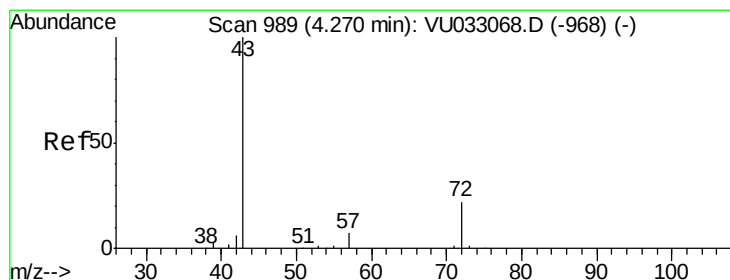
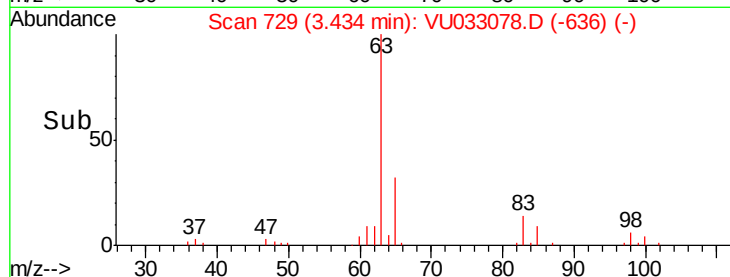
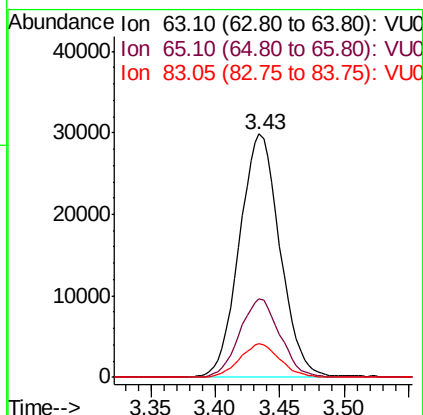
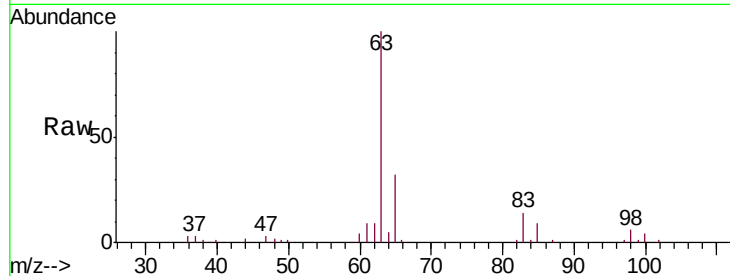




#19
 1,1-Dichloroethane
 Concen: 5.056 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

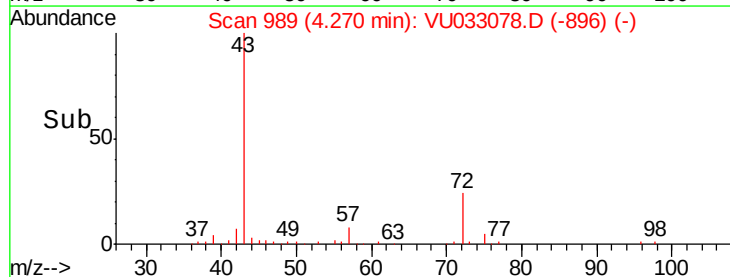
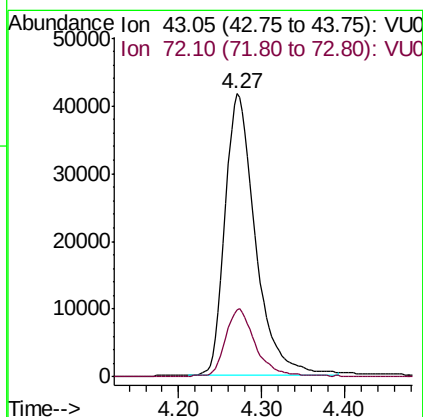
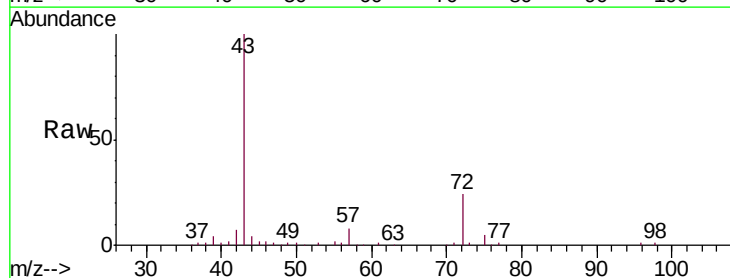
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

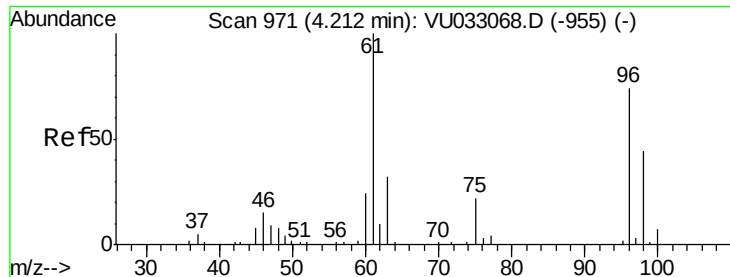
Tgt Ion: 63 Resp: 65367
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.7 42.1
 83 13.8 9.6 17.8



#21
 2-Butanone
 Concen: 48.937 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

Tgt Ion: 43 Resp: 105909
 Ion Ratio Lower Upper
 43 100
 72 22.8 11.5 34.5



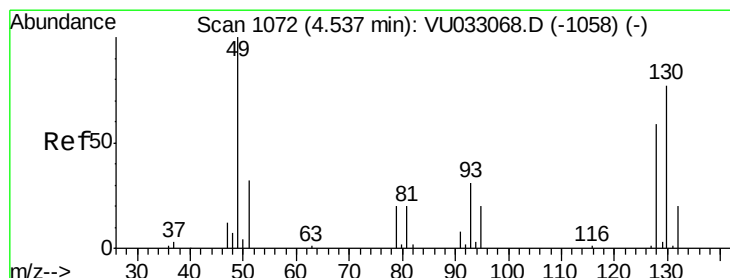
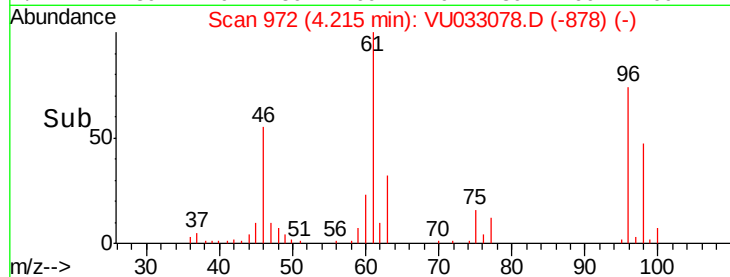
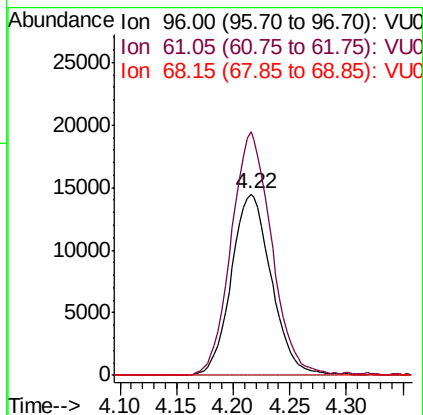
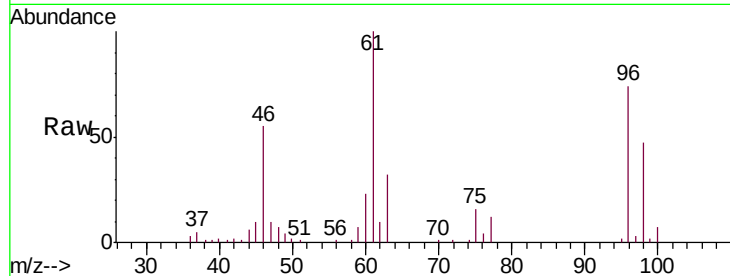


#22

cis-1,2-Dichloroethene
 Concen: 4.979 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

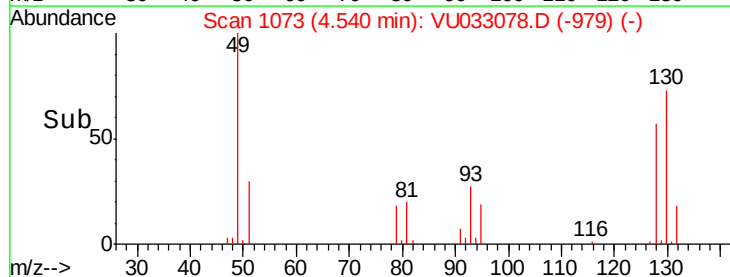
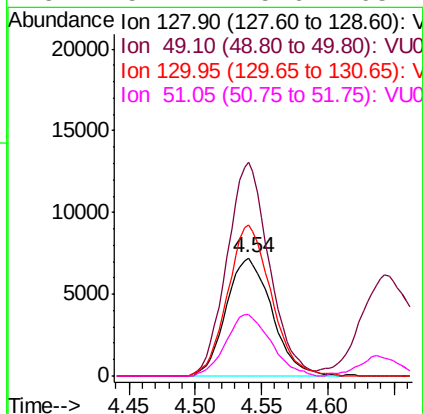
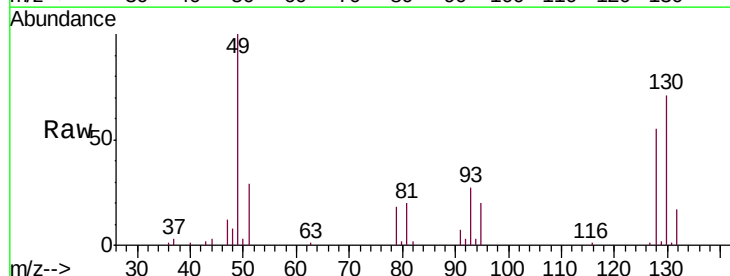
Tgt Ion: 96 Resp: 35581
 Ion Ratio Lower Upper
 96 100
 61 134.6 94.6 175.8
 68 0.0 0.0 0.0

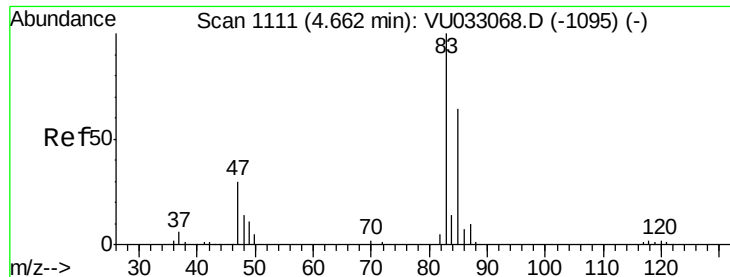


#23

Bromochloromethane
 Concen: 5.435 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

Tgt Ion: 128 Resp: 17233
 Ion Ratio Lower Upper
 128 100
 49 181.0 123.3 228.9
 130 128.0 90.9 168.7
 51 52.4 45.6 68.4

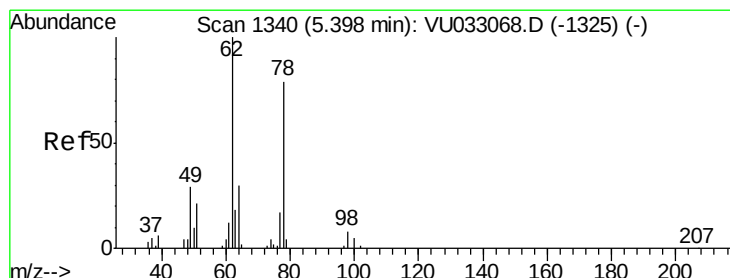
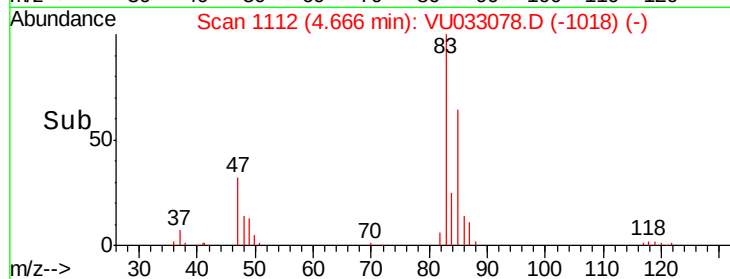
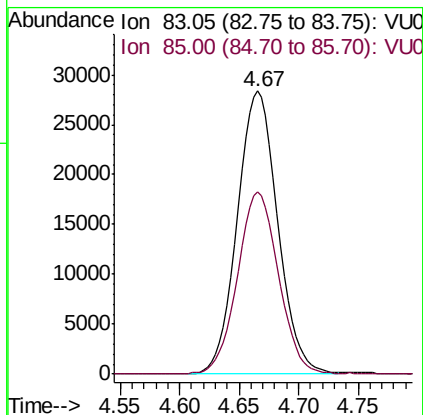
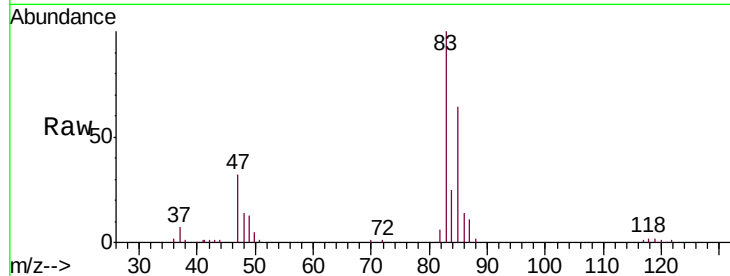




#25
Chloroform
Concen: 5.090 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU033078.D
Acq: 28 Jun 2019 17:54

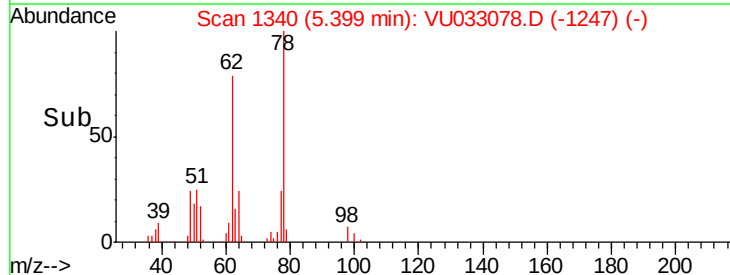
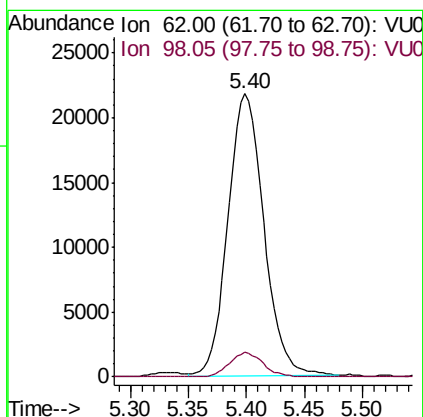
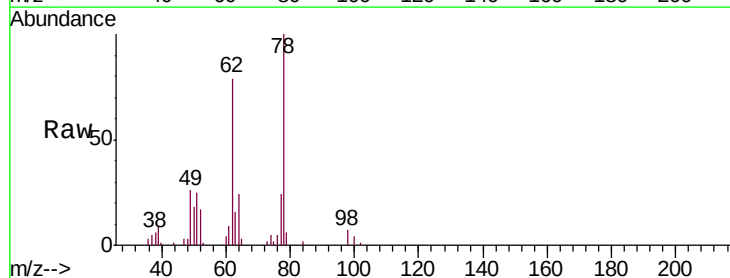
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

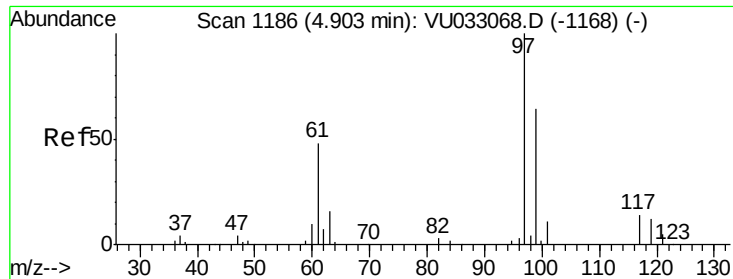
Tgt Ion: 83 Resp: 66874
Ion Ratio Lower Upper
83 100
85 64.4 47.3 87.8



#27
1,2-Dichloroethane
Concen: 5.192 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU033078.D
Acq: 28 Jun 2019 17:54

Tgt Ion: 62 Resp: 46716
Ion Ratio Lower Upper
62 100
98 8.6 5.8 8.6

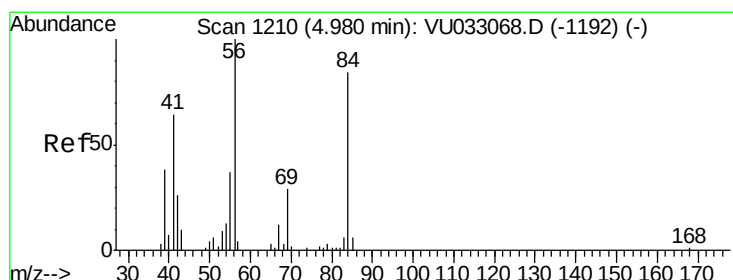
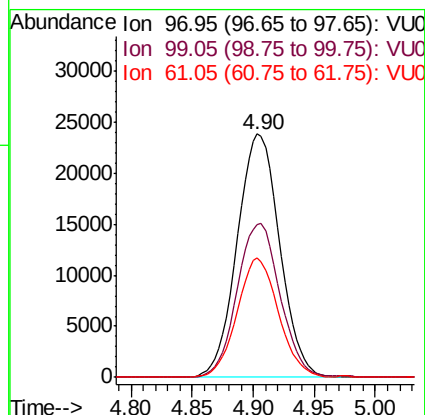
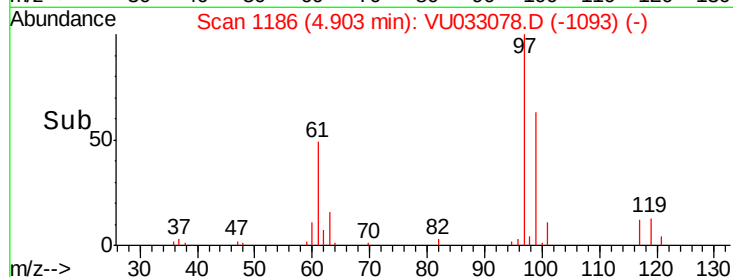
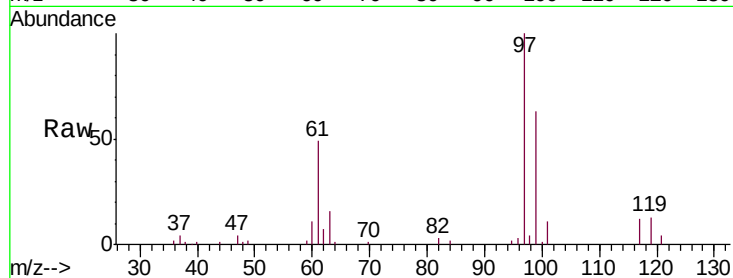




#29
 1,1,1-Trichloroethane
 Concen: 4.859 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

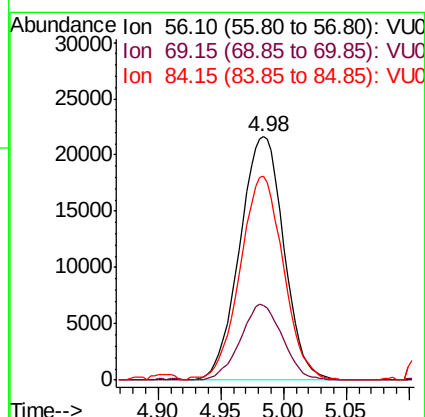
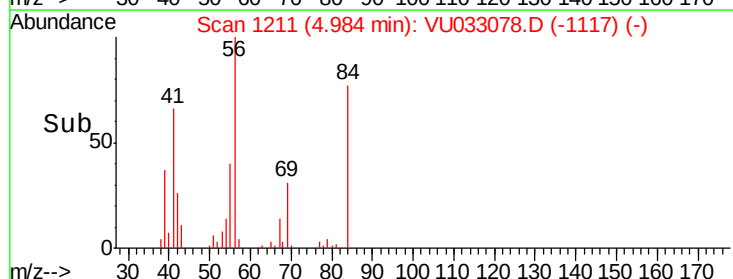
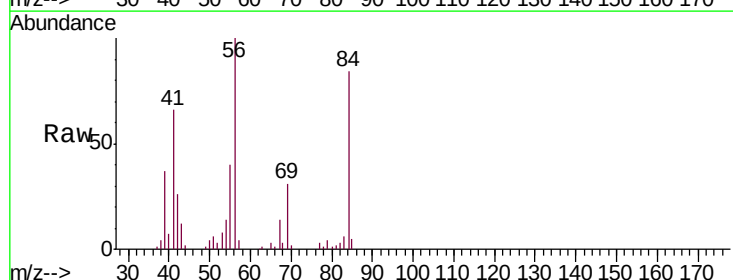
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

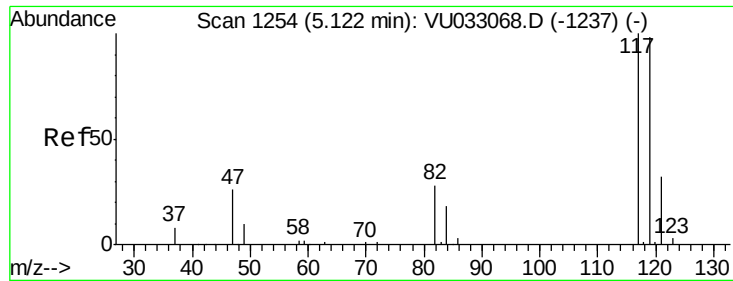
Tgt Ion: 97 Resp: 57606
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.4 77.2
 61 47.7 38.1 57.1



#30
 Cyclohexane
 Concen: 4.809 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

Tgt Ion: 56 Resp: 52824
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.7 35.5
 84 82.5 65.8 98.8





#31

Carbon tetrachloride

Concen: 4.891 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

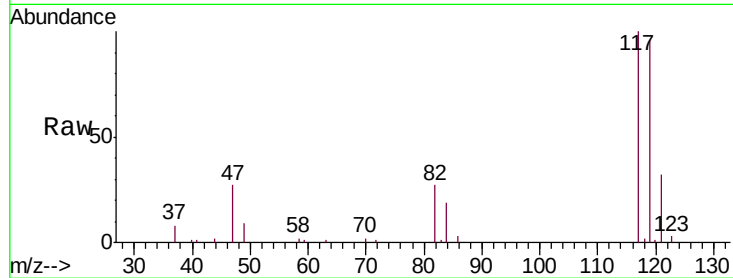
VSTD00508

Tgt Ion:117 Resp: 52753

Ion Ratio Lower Upper

117 100

119 96.0 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.12

25000

20000

15000

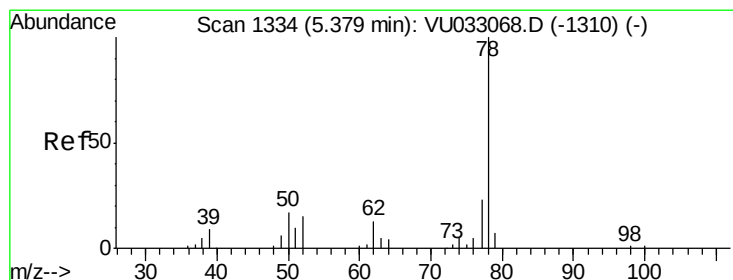
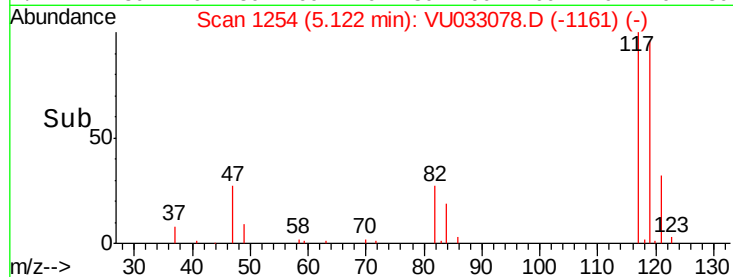
10000

5000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 4.984 ug/L

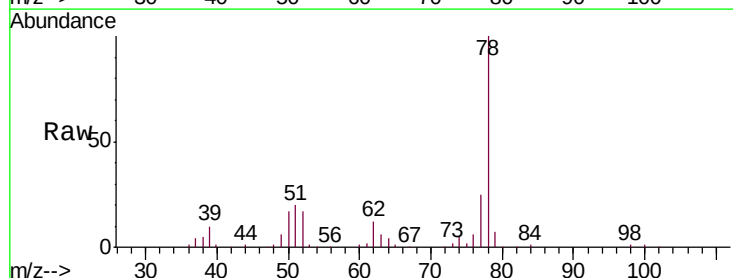
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Tgt Ion: 78 Resp: 137107



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.38

60000

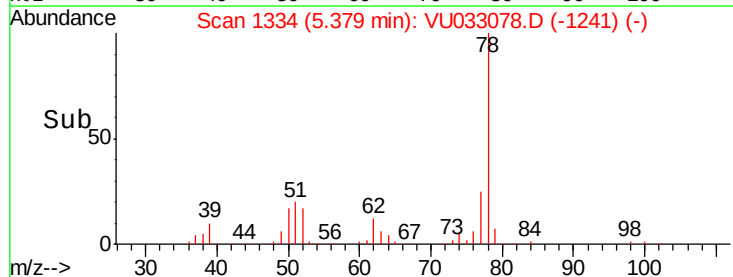
40000

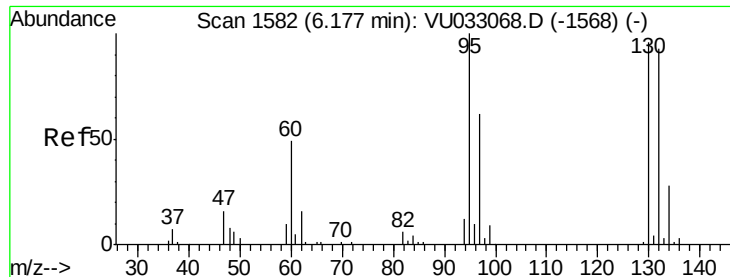
20000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 4.806 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

Tgt Ion: 95 Resp: 36208

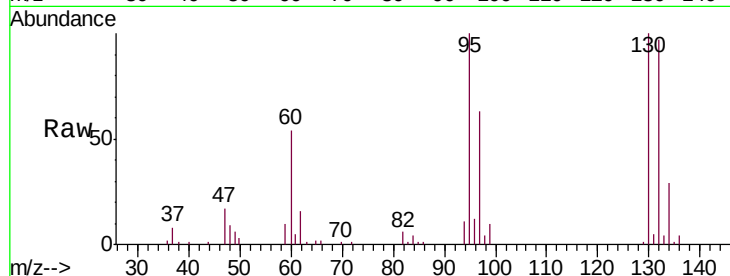
Ion Ratio Lower Upper

95 100

97 63.5 46.0 85.4

132 97.2 68.6 127.4

130 100.4 71.1 132.1

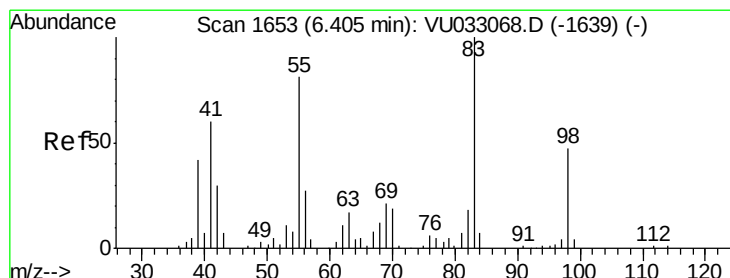
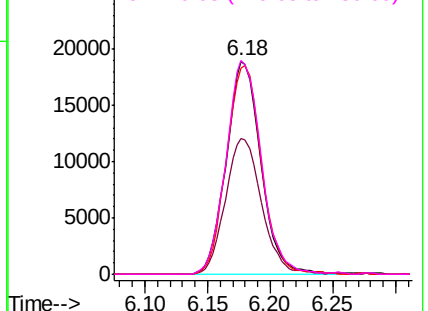
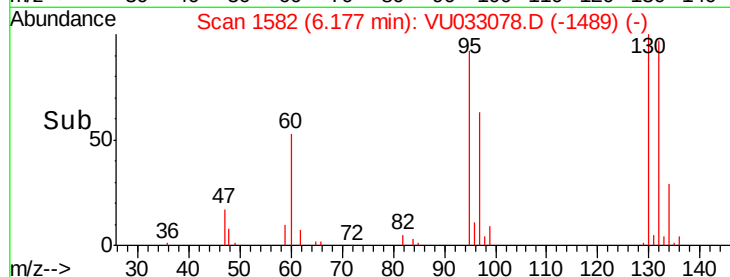


Abundance Ion 95.00 (94.70 to 95.70): VU033078.D (-1489) (-)

Ion 96.95 (96.65 to 97.65): VU033078.D (-1489) (-)

Ion 131.95 (131.65 to 132.65): VU033078.D (-1489) (-)

Ion 129.95 (129.65 to 130.65): VU033078.D (-1489) (-)



#35

Methylcyclohexane

Concen: 4.861 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

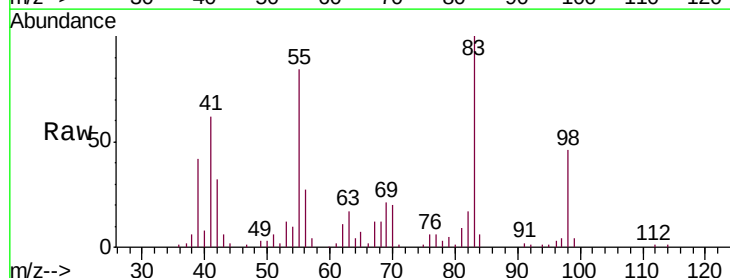
Tgt Ion: 83 Resp: 54519

Ion Ratio Lower Upper

83 100

55 82.7 67.0 100.4

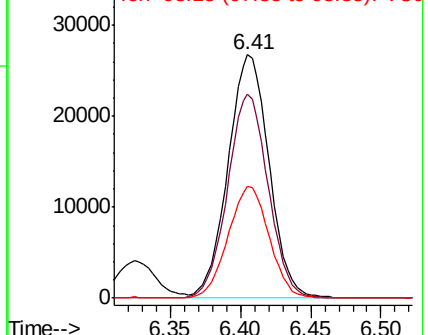
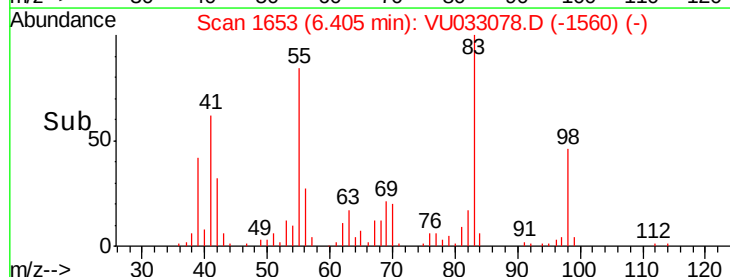
98 45.8 37.7 56.5

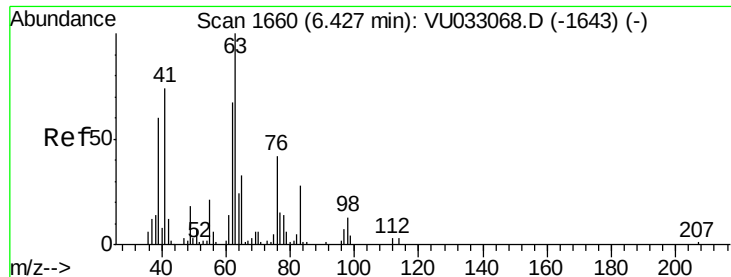


Abundance Ion 83.15 (82.85 to 83.85): VU033078.D (-1560) (-)

Ion 55.10 (54.80 to 55.80): VU033078.D (-1560) (-)

Ion 98.15 (97.85 to 98.85): VU033078.D (-1560) (-)

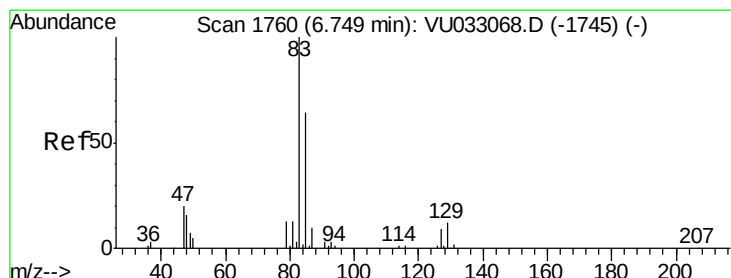
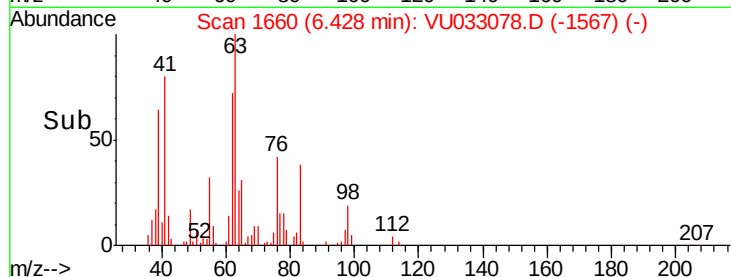
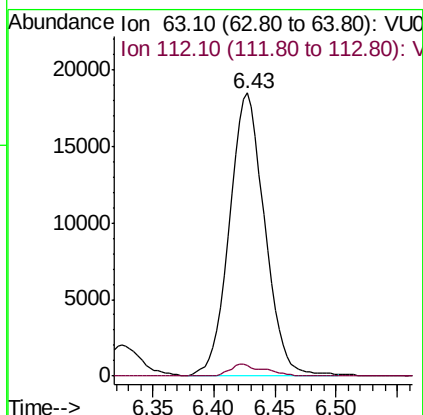
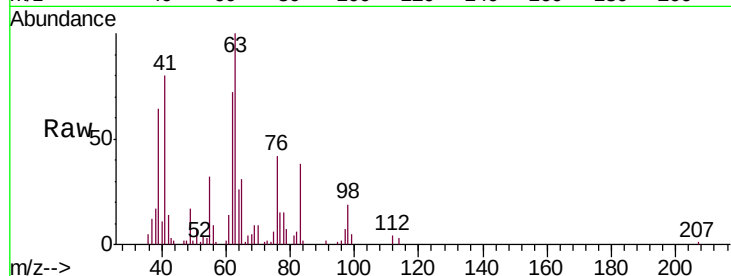




#37
 1,2-Dichloropropane
 Concen: 5.039 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

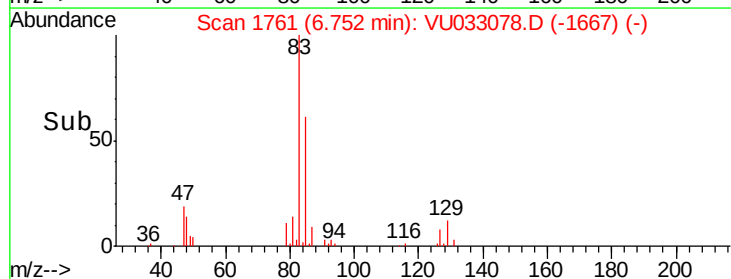
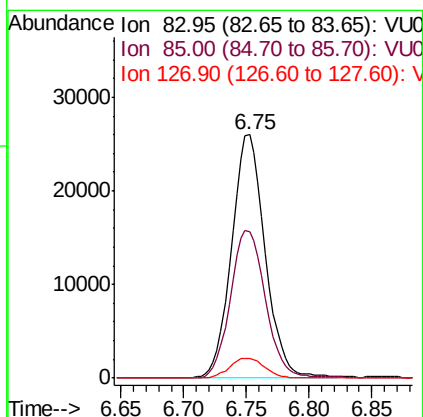
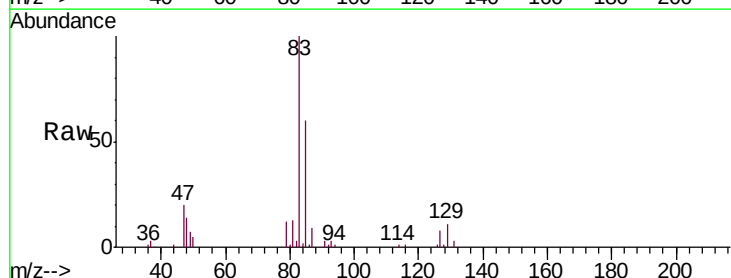
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

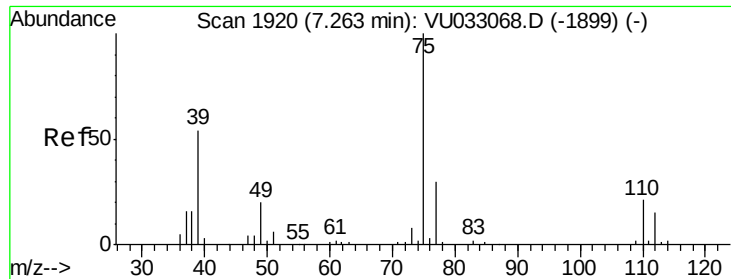
Tgt Ion: 63 Resp: 37179
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.958 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

Tgt Ion: 83 Resp: 48226
 Ion Ratio Lower Upper
 83 100
 85 60.2 45.1 83.9
 127 8.3 6.9 10.3

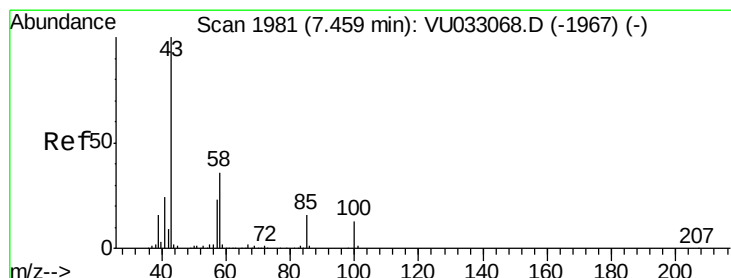
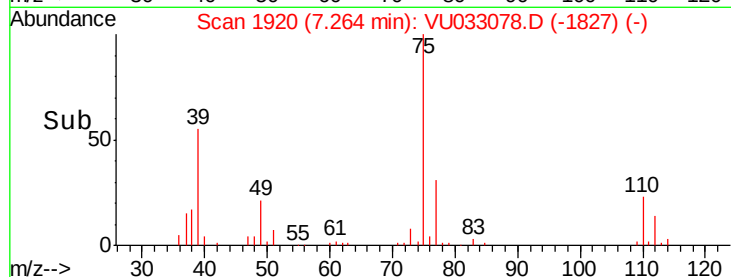
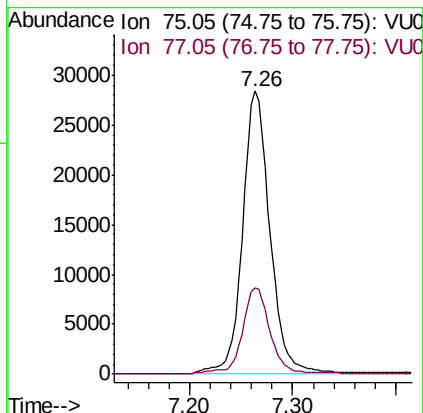
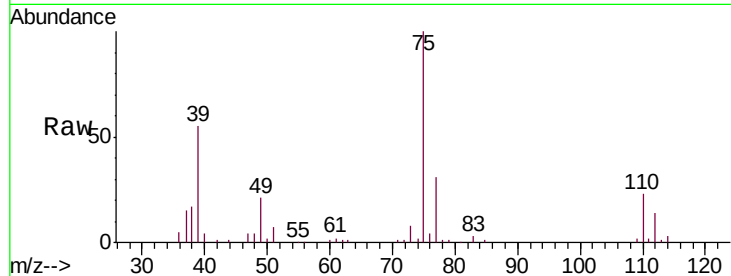




#39
 cis-1,3-Dichloropropene
 Concen: 4.885 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

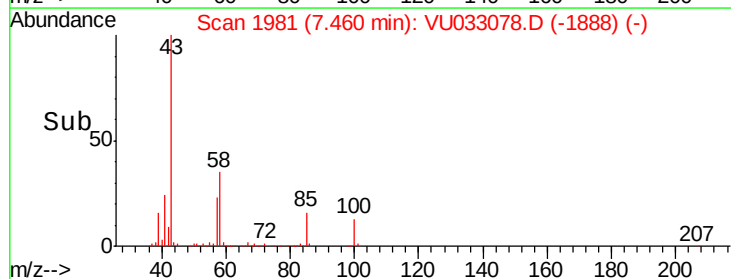
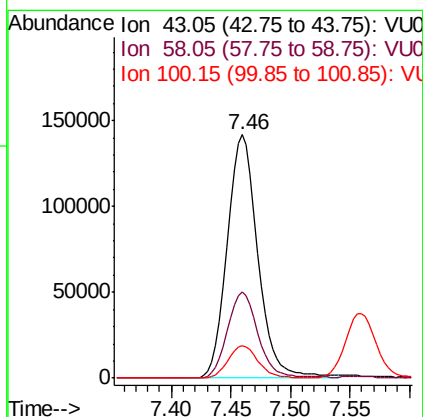
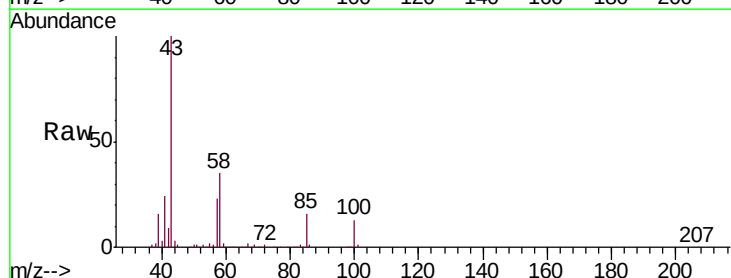
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

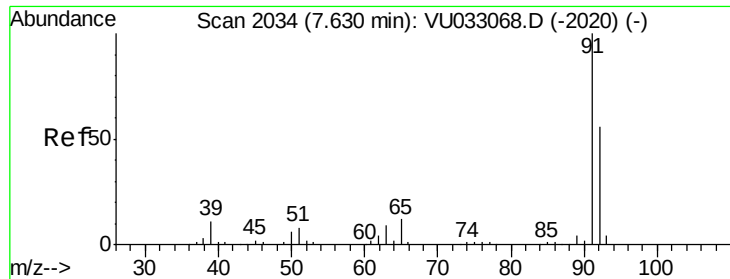
Tgt Ion: 75 Resp: 52545
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 49.914 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

Tgt Ion: 43 Resp: 253814
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.2 42.2
 100 13.1 10.4 15.6





#42

Toluene

Concen: 4.997 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

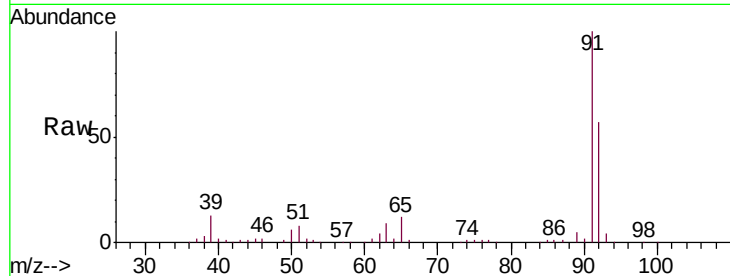
VSTD00508

Tgt Ion: 91 Resp: 146839

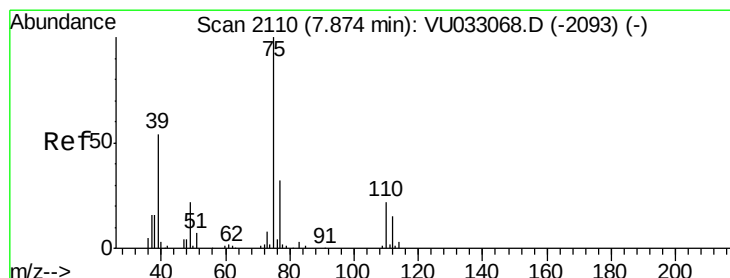
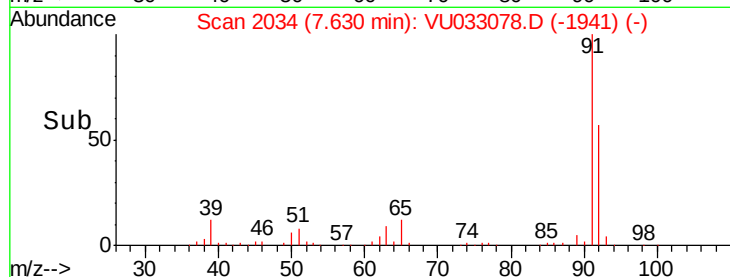
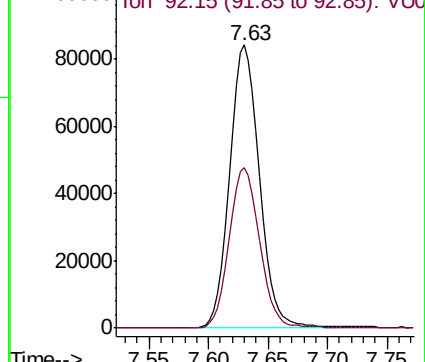
Ion Ratio Lower Upper

91 100

92 56.8 39.8 74.0



Abundance Ion 91.15 (90.85 to 91.85): VU033068.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.014 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU033078.D

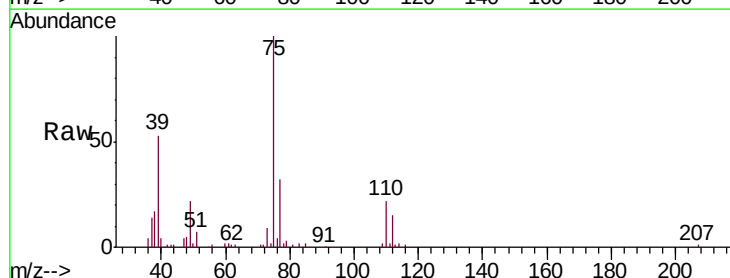
Acq: 28 Jun 2019 17:54

Tgt Ion: 75 Resp: 43953

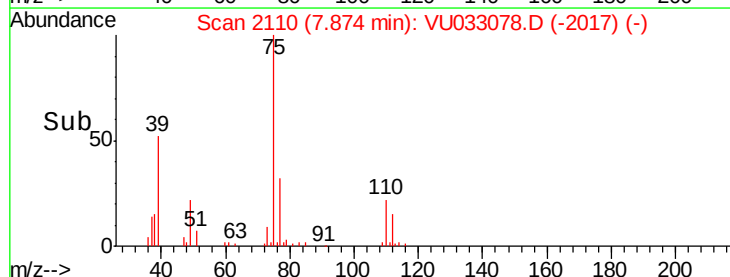
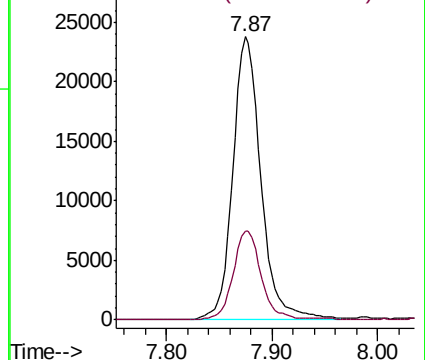
Ion Ratio Lower Upper

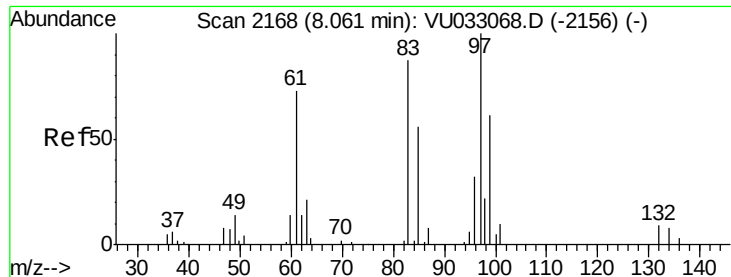
75 100

77 31.5 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU033068.D (-2093) (-)

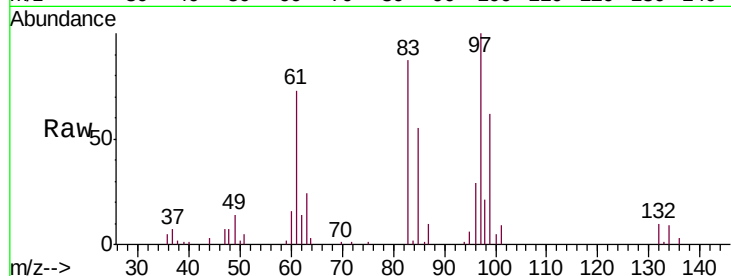




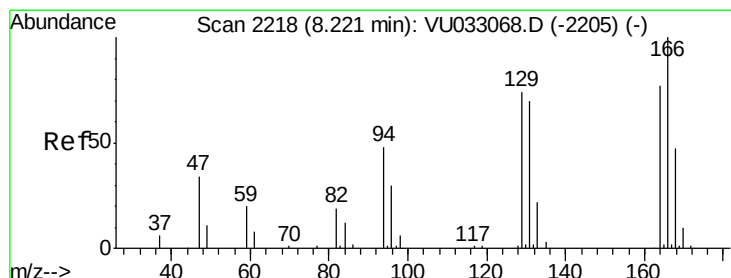
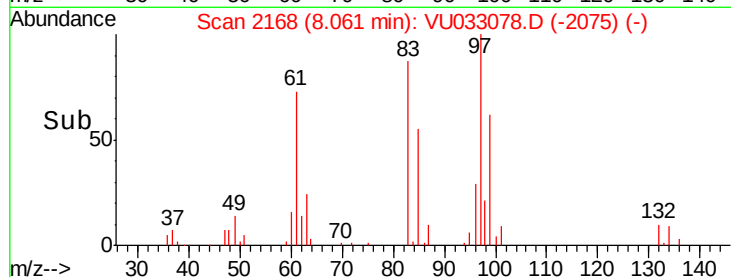
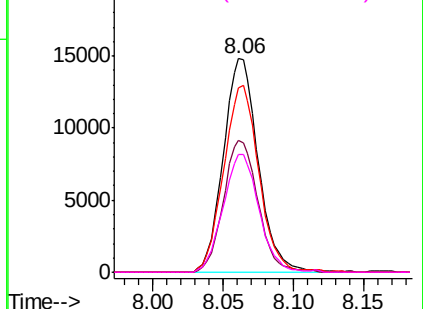
#45
 1,1,2-Trichloroethane
 Concen: 4.945 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tgt Ion:	97	Resp:	25581
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.7	83.1
83	86.5	62.6	116.2
85	55.3	40.5	75.1

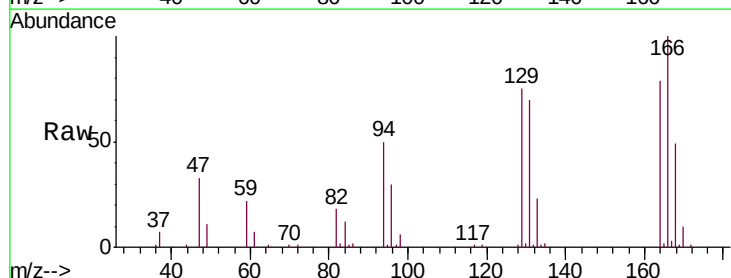


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

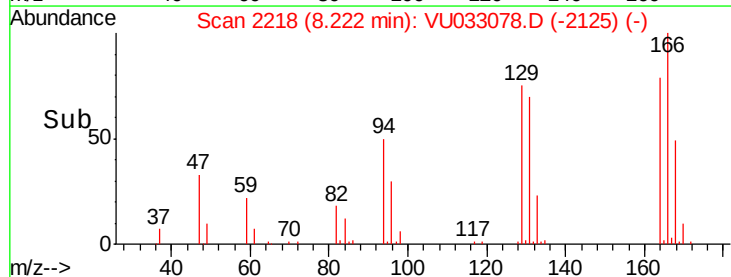
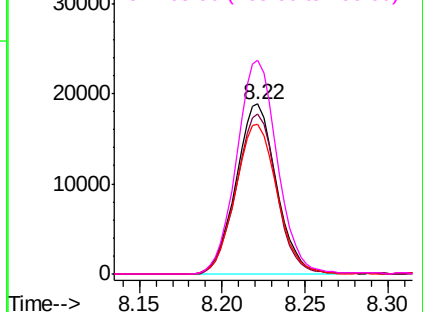


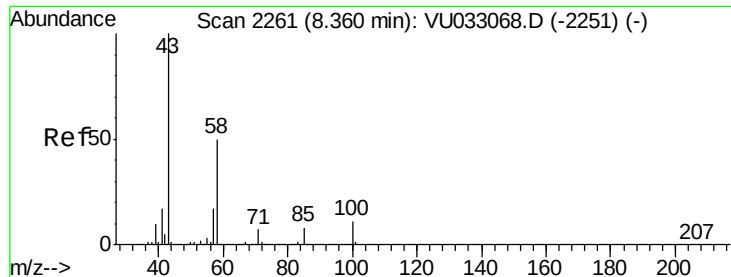
#47
 Tetrachloroethene
 Concen: 5.267 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

Tgt Ion:	164	Resp:	31922
Ion	Ratio	Lower	Upper
164	100		
129	94.2	64.9	120.5
131	87.9	63.5	117.9
166	125.9	89.1	165.5



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

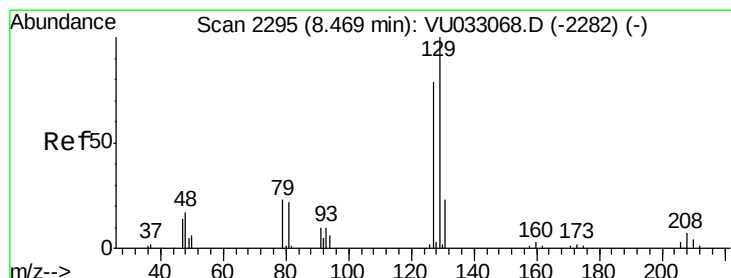
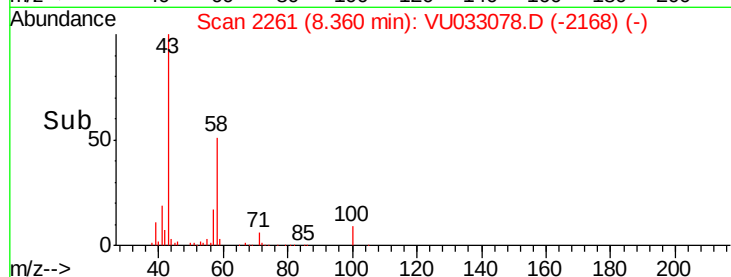
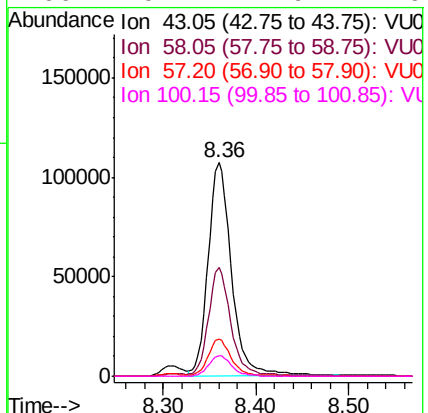
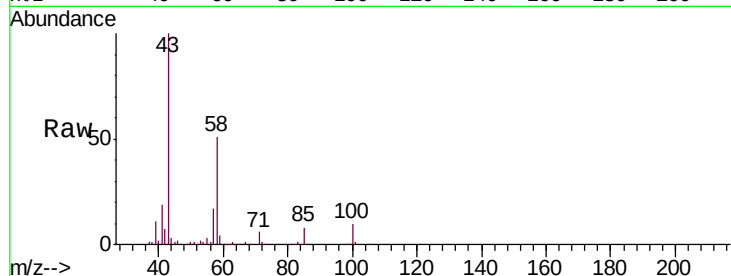




#48
2-Hexanone
Concen: 51.355 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU033078.D
Acq: 28 Jun 2019 17:54

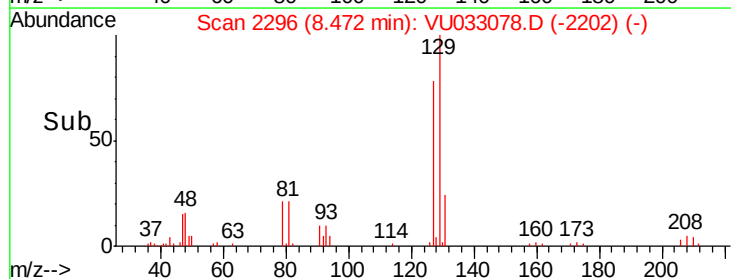
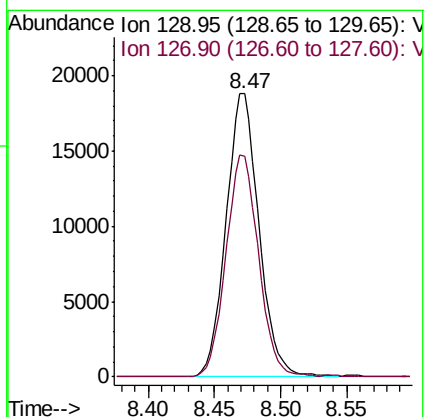
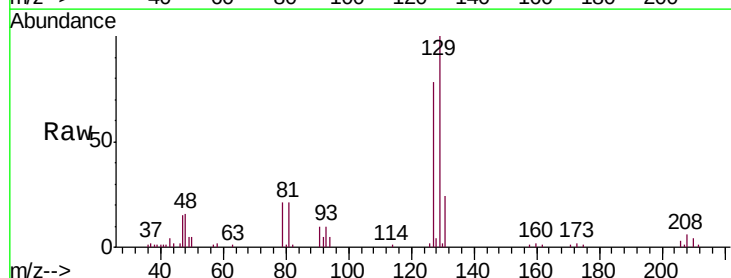
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

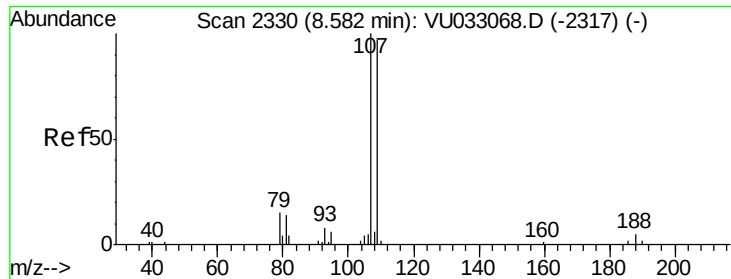
Tgt Ion: 43 Resp: 186869
Ion Ratio Lower Upper
43 100
58 49.6 40.0 60.0
57 16.8 14.0 21.0
100 9.7 7.9 11.9



#49
Dibromochloromethane
Concen: 4.944 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU033078.D
Acq: 28 Jun 2019 17:54

Tgt Ion: 129 Resp: 32453
Ion Ratio Lower Upper
129 100
127 77.8 54.0 100.4

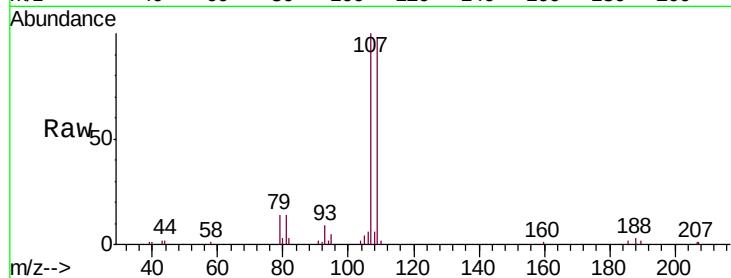




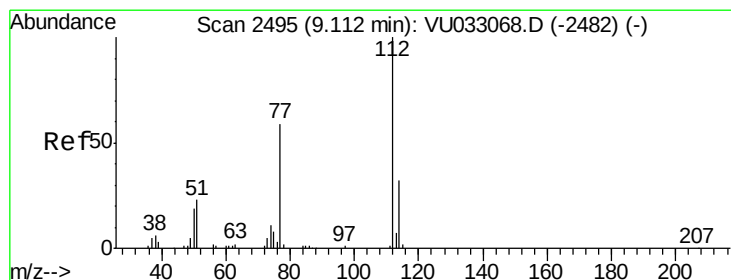
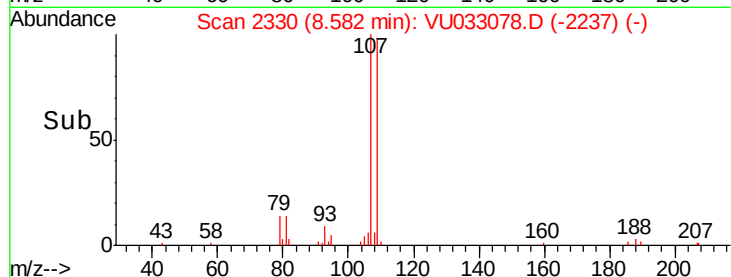
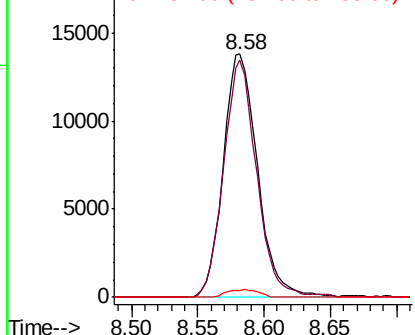
#50
1,2-Dibromoethane
Concen: 4.915 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU033078.D
Acq: 28 Jun 2019 17:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tgt Ion:107 Resp: 24792
Ion Ratio Lower Upper
107 100
109 97.7 64.7 120.1
188 3.0 2.9 4.3

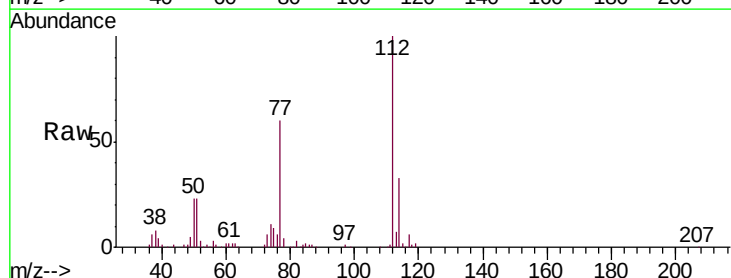


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

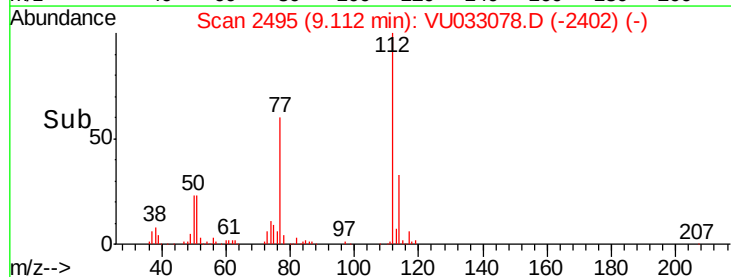
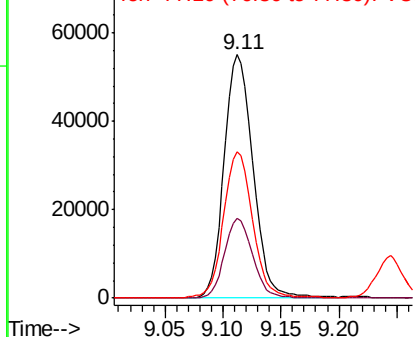


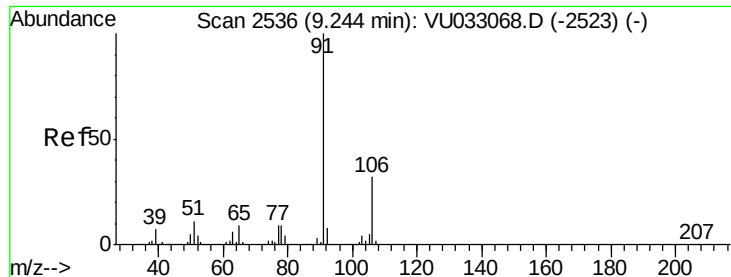
#51
Chlorobenzene
Concen: 4.904 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU033078.D
Acq: 28 Jun 2019 17:54

Tgt Ion:112 Resp: 95199
Ion Ratio Lower Upper
112 100
114 32.6 23.3 43.3
77 60.1 48.9 73.3



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





#52

Ethylbenzene

Concen: 4.904 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

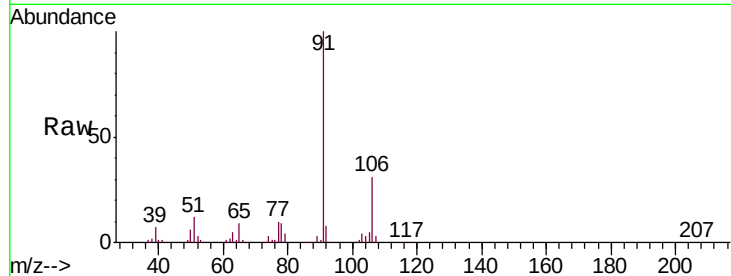
VSTD00508

Tgt Ion: 91 Resp: 158659

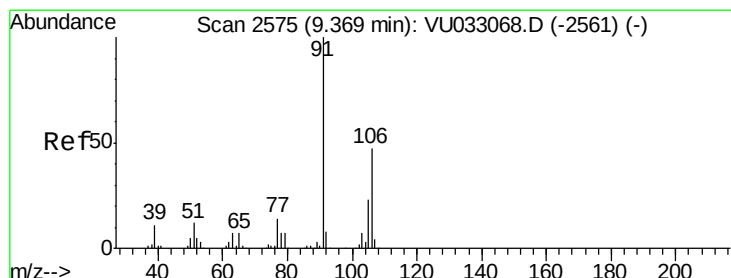
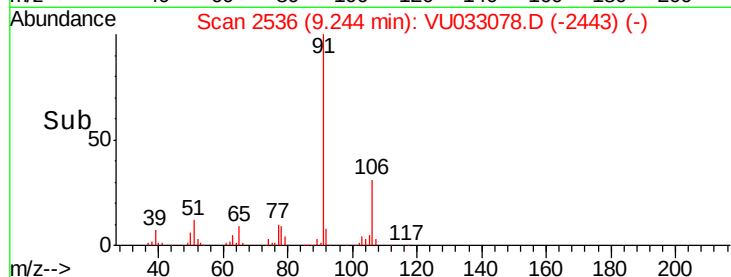
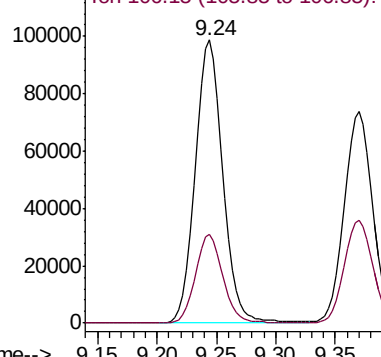
Ion Ratio Lower Upper

91 100

106 31.5 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU033068.D (-2523) (-)



#53

m,p-Xylene

Concen: 5.221 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU033078.D

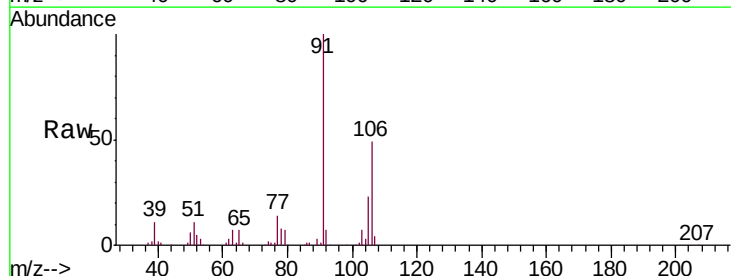
Acq: 28 Jun 2019 17:54

Tgt Ion: 106 Resp: 61305

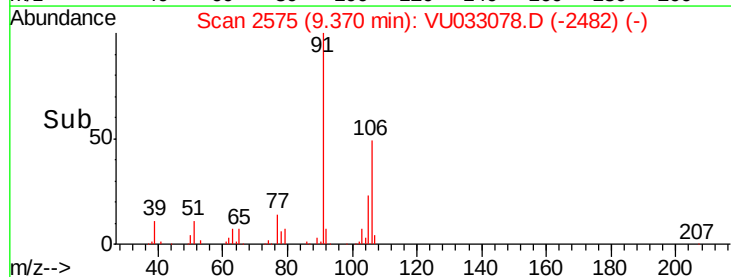
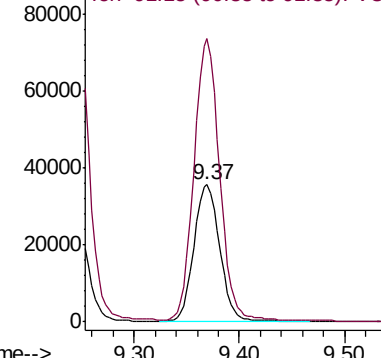
Ion Ratio Lower Upper

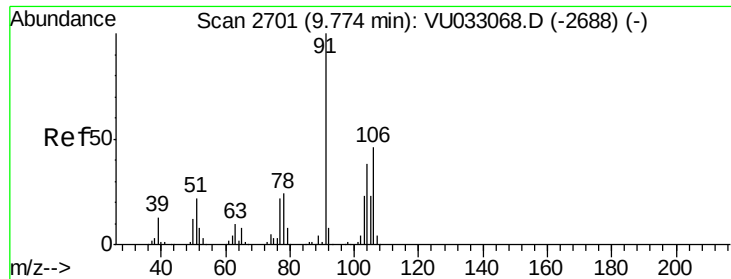
106 100

91 206.2 146.4 272.0



Abundance Ion 106.15 (105.85 to 106.85): VU033068.D (-2561) (-)

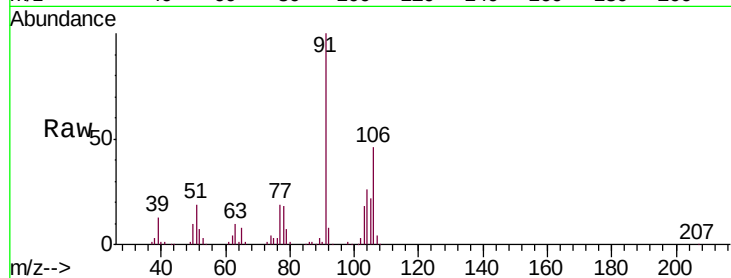




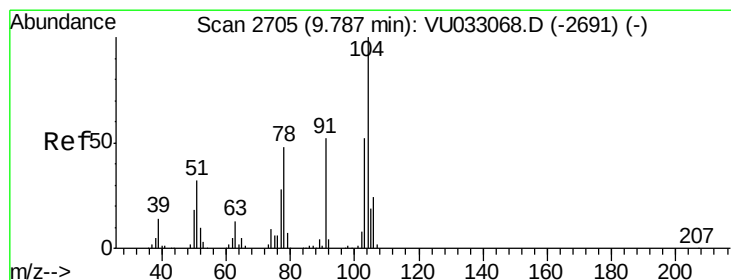
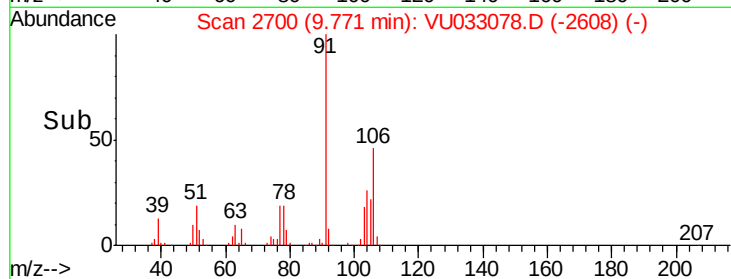
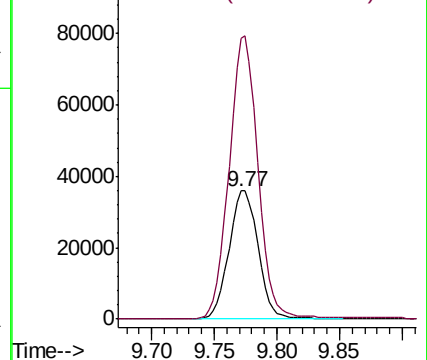
#54
o-Xylene
Concen: 5.074 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU033078.D
Acq: 28 Jun 2019 17:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tgt Ion:106 Resp: 58066
Ion Ratio Lower Upper
106 100
91 218.8 155.1 288.1

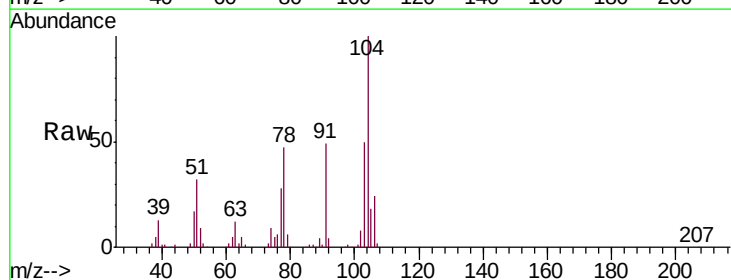


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

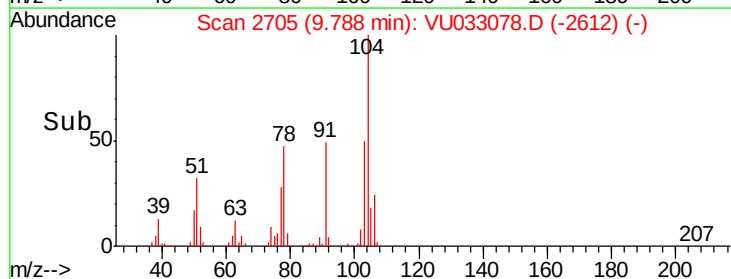
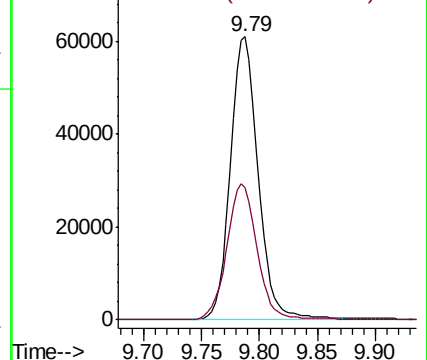


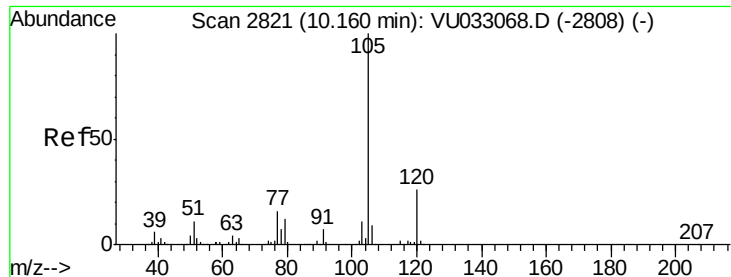
#55
Styrene
Concen: 5.214 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU033078.D
Acq: 28 Jun 2019 17:54

Tgt Ion:104 Resp: 101001
Ion Ratio Lower Upper
104 100
78 46.6 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.979 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Instrument :

MSVOA_U

ClientSampled :

VSTD00508

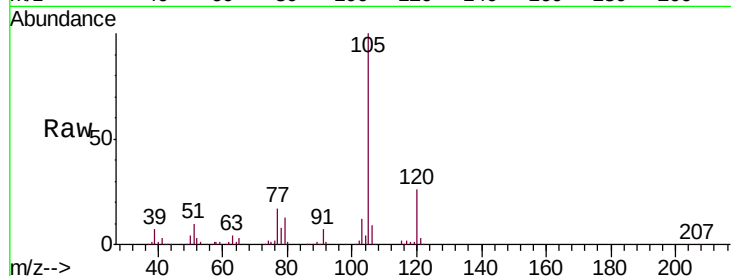
Tgt Ion:105 Resp: 154697

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

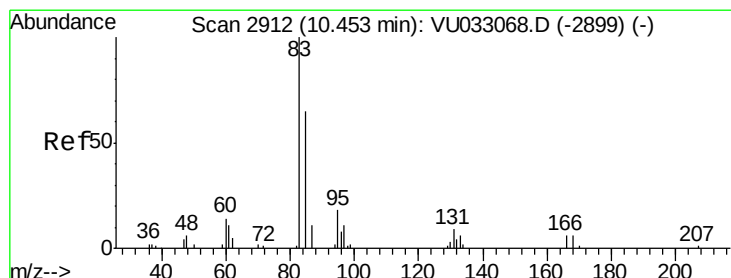
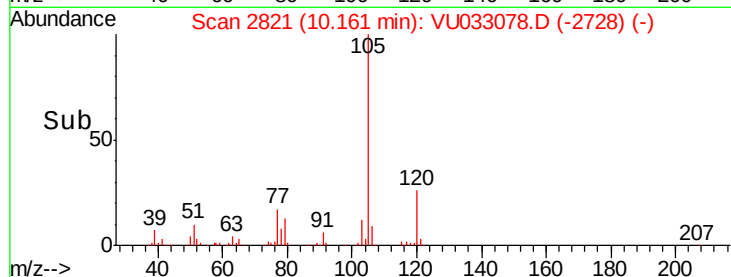
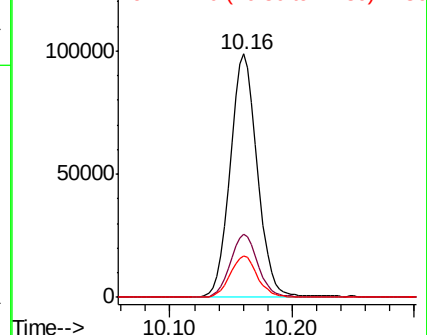
77 17.0 13.6 20.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.852 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

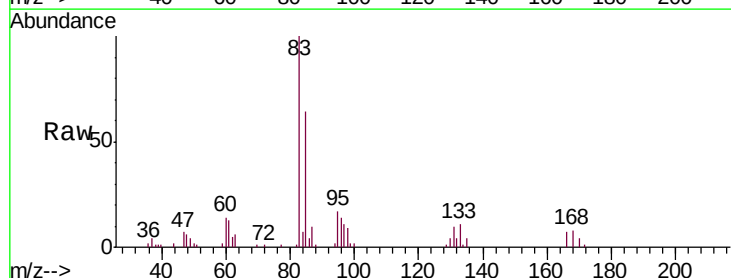
Tgt Ion: 83 Resp: 32561

Ion Ratio Lower Upper

83 100

85 64.4 45.7 84.9

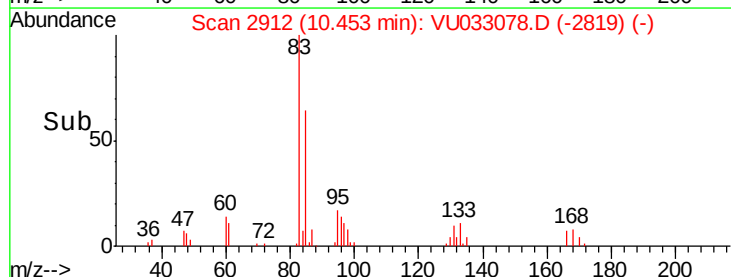
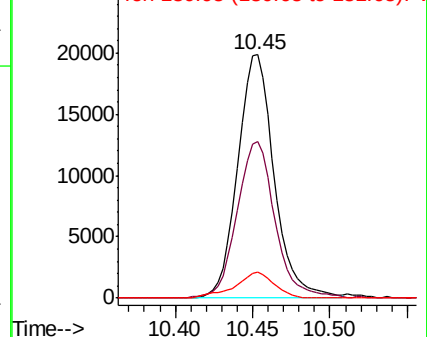
131 10.5 7.7 11.5

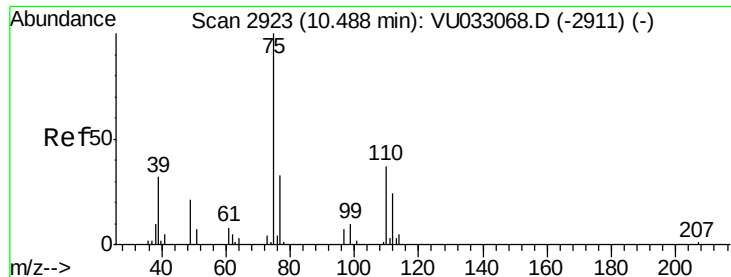


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.949 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

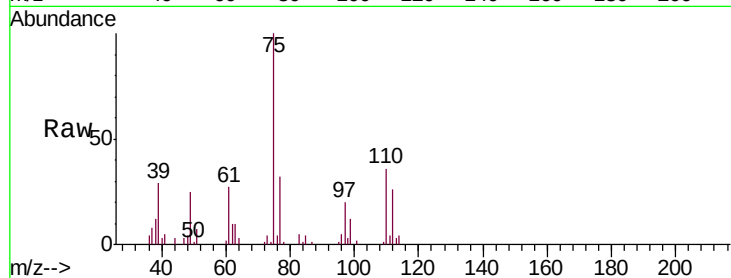
VSTD00508

Tgt Ion: 75 Resp: 24437

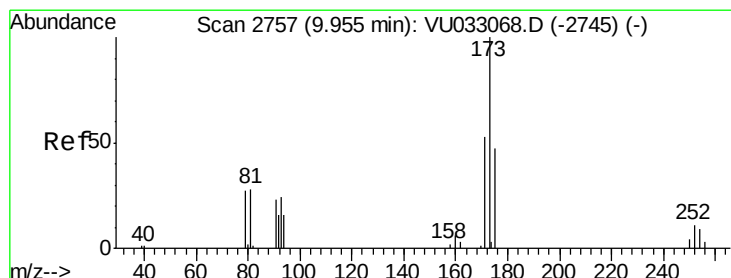
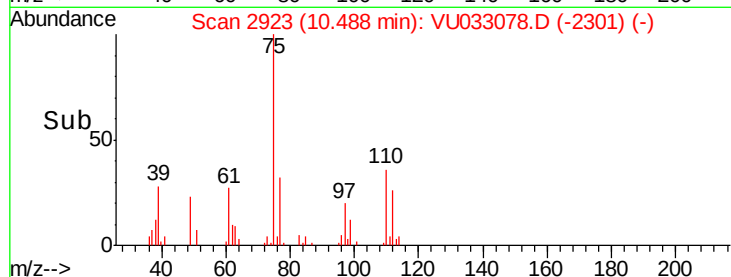
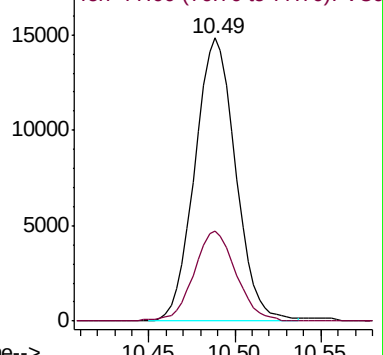
Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU033068.D (-2911) (-)



#61

Bromoform

Concen: 5.133 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

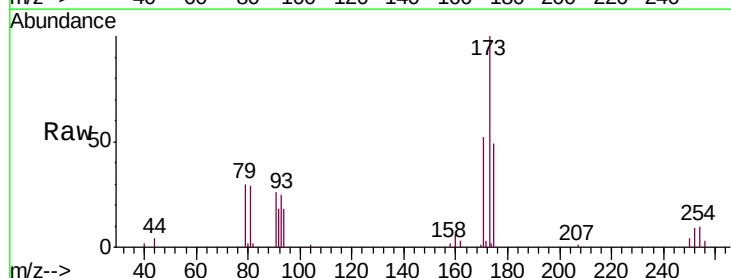
Tgt Ion: 173 Resp: 19033

Ion Ratio Lower Upper

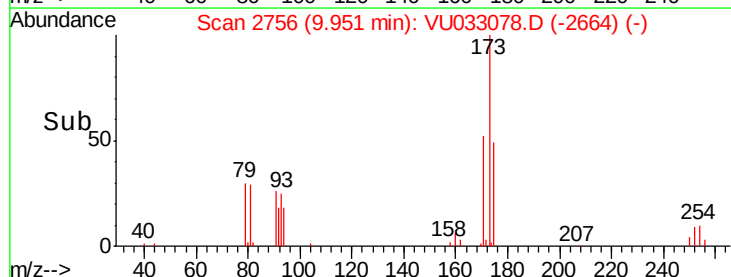
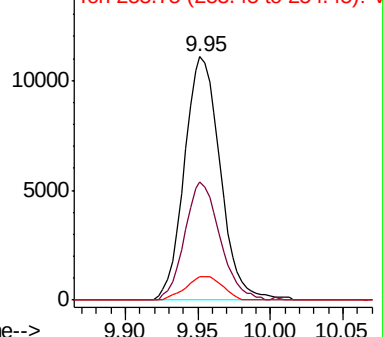
173 100

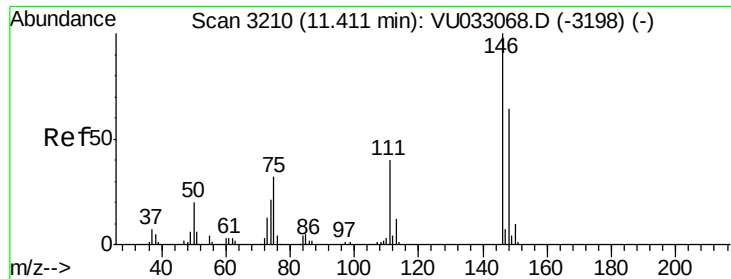
175 47.6 37.7 56.5

254 9.9 7.7 11.5



Abundance Ion 172.90 (172.60 to 173.60): VU033068.D (-2745) (-)





#62

1,3-Dichlorobenzene

Concen: 5.044 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

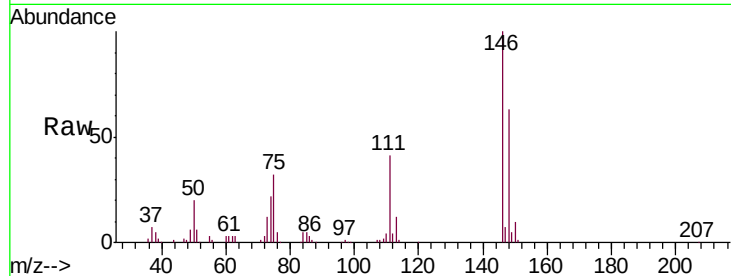
Tgt Ion:146 Resp: 76838

Ion Ratio Lower Upper

146 100

111 41.3 27.7 51.5

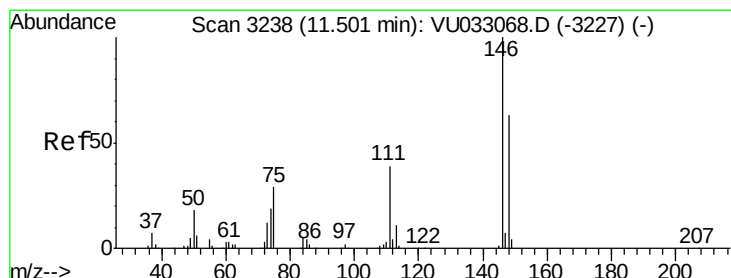
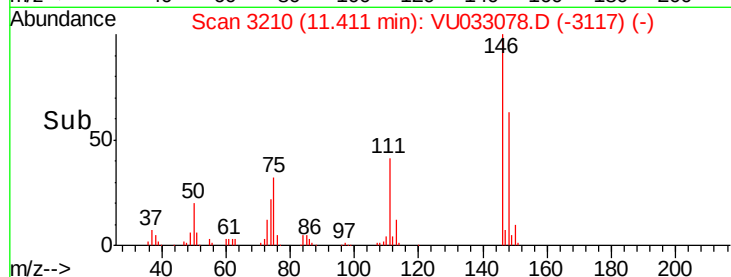
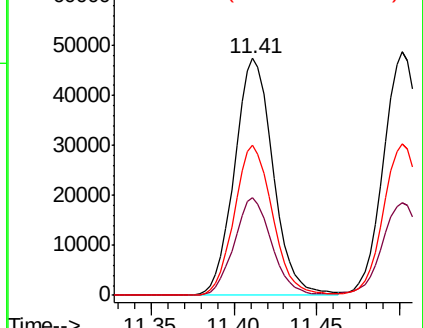
148 63.3 44.5 82.7



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



#63

1,4-Dichlorobenzene

Concen: 5.015 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

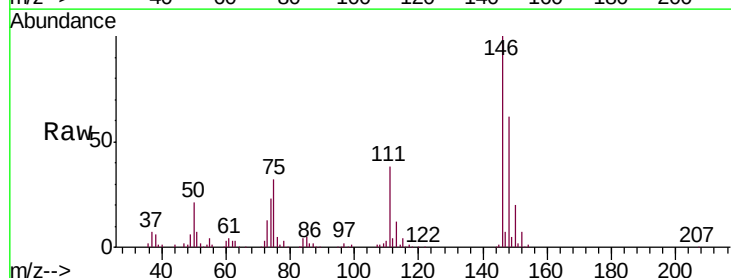
Tgt Ion:146 Resp: 79705

Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.7

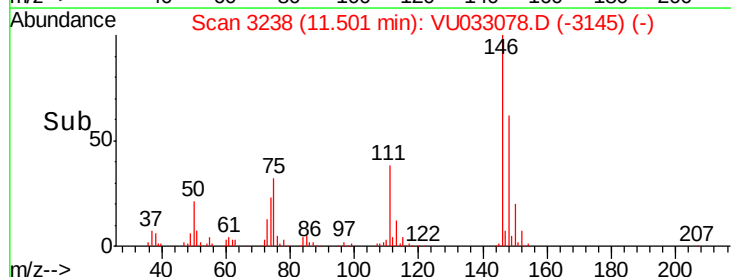
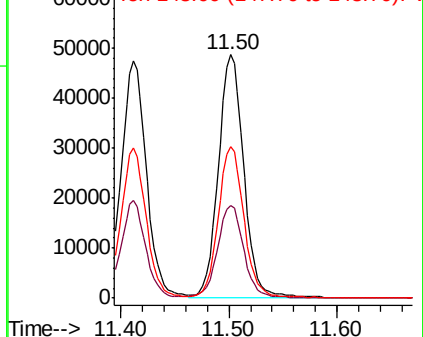
148 62.3 43.6 81.0

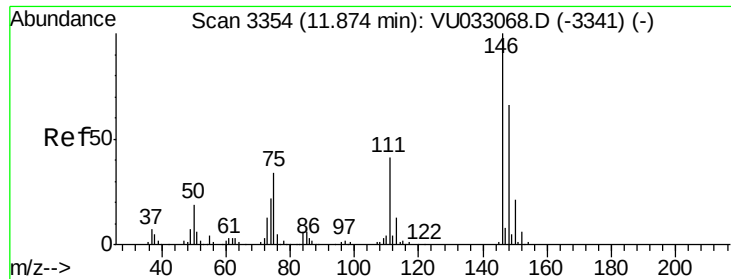


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.138 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

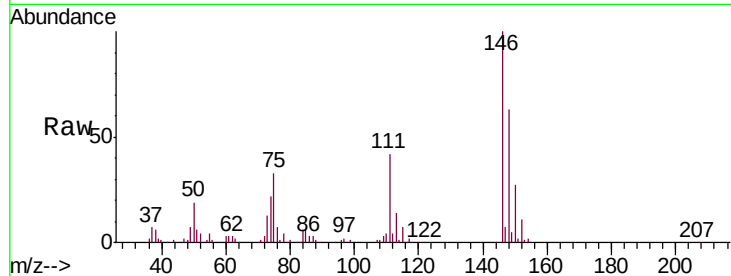
Tgt Ion:146 Resp: 75909

Ion Ratio Lower Upper

146 100

111 41.5 33.2 49.8

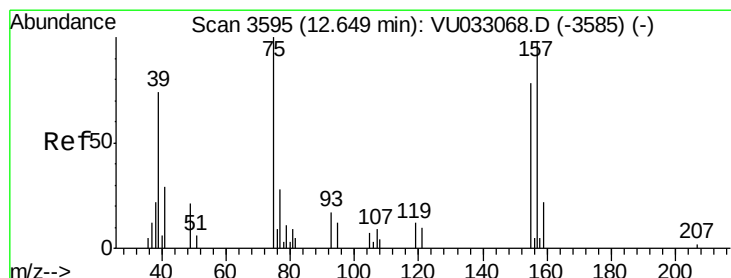
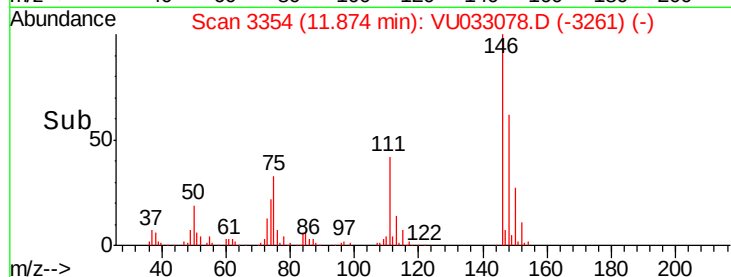
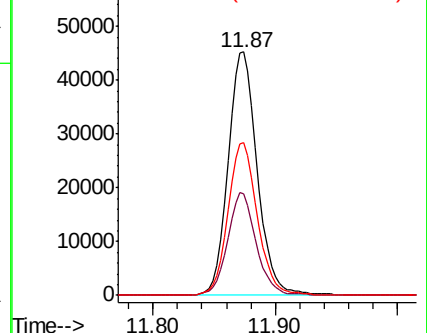
148 62.5 51.4 77.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.318 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

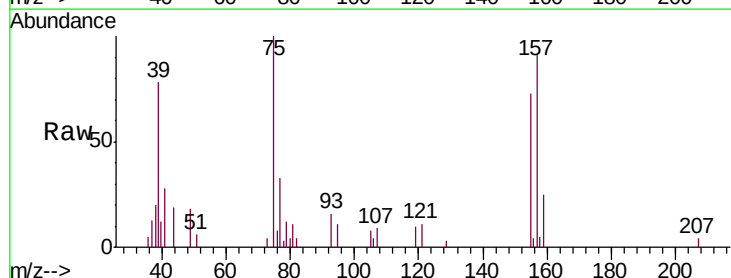
Tgt Ion: 75 Resp: 5404

Ion Ratio Lower Upper

75 100

155 73.2 62.9 94.3

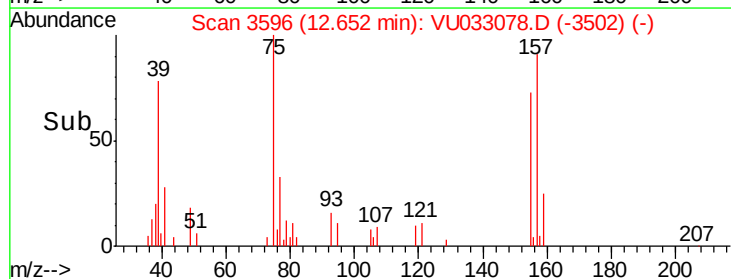
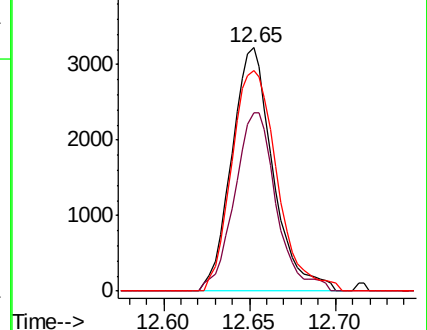
157 90.5 82.0 123.0

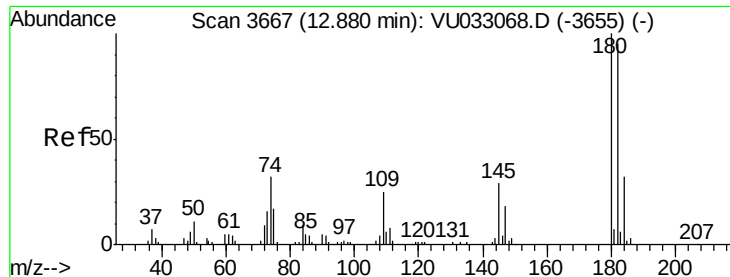


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

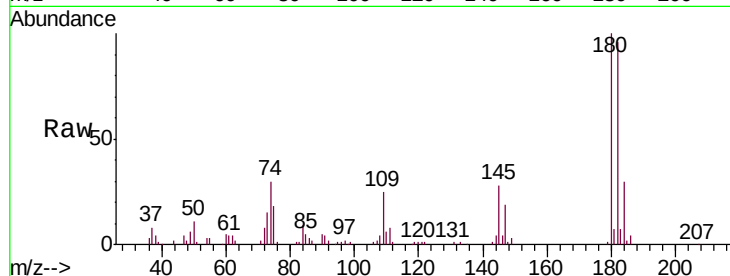




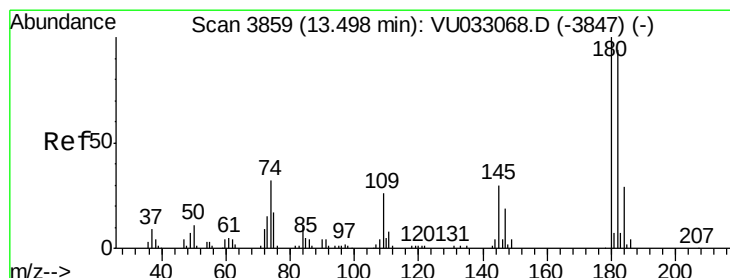
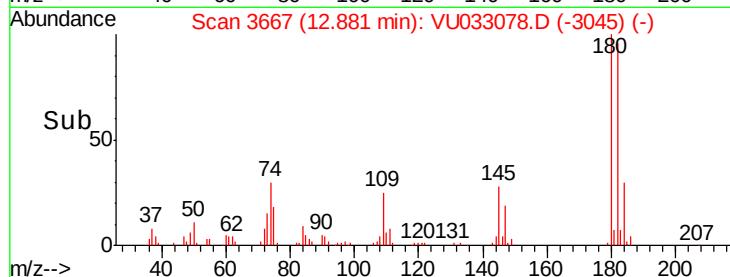
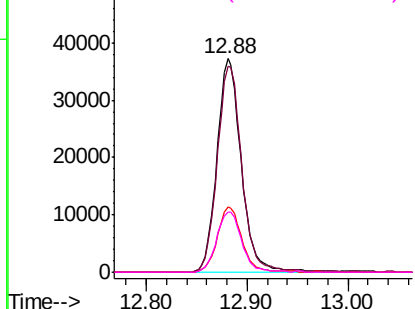
#67
 1,3,5-Trichlorobenzene
 Concen: 5.182 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tgt Ion:180 Resp: 62915
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.6 114.8
 184 30.5 24.6 36.8
 145 28.8 23.8 35.6

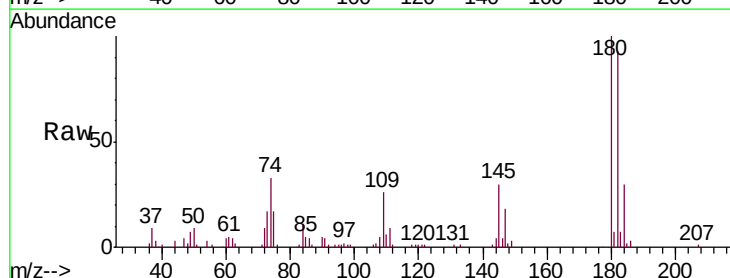


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

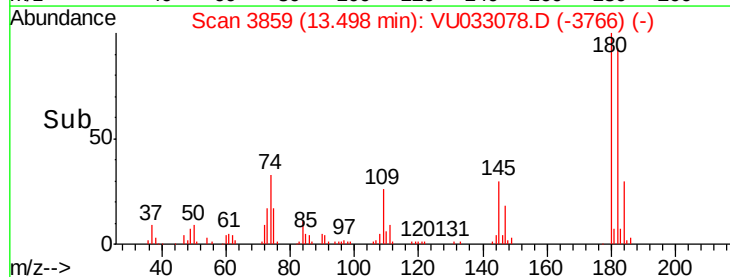
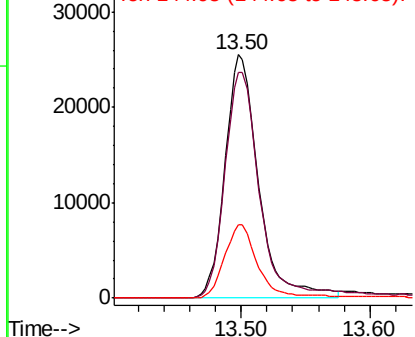


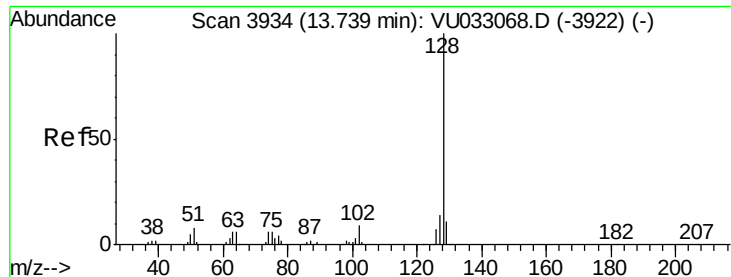
#68
 1,2,4-trichlorobenzene
 Concen: 5.313 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU033078.D
 Acq: 28 Jun 2019 17:54

Tgt Ion:180 Resp: 46104
 Ion Ratio Lower Upper
 180 100
 182 93.3 79.1 118.7
 145 29.5 24.3 36.5



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: 5.158 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

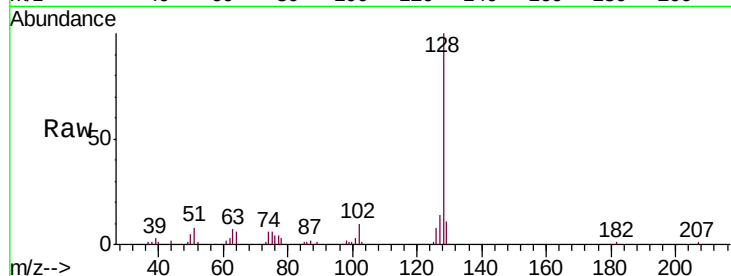
Tgt Ion:128 Resp: 65674

Ion Ratio Lower Upper

128 100

129 9.2 8.6 12.8

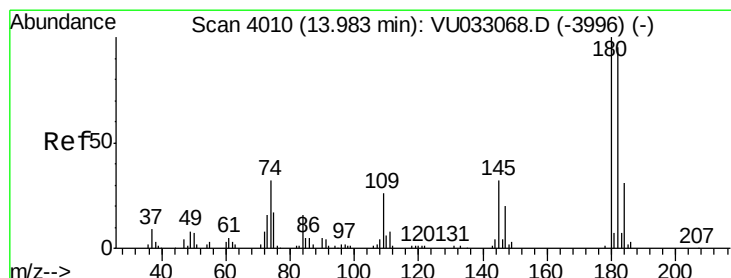
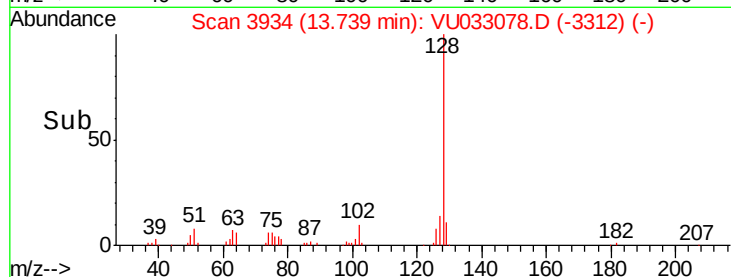
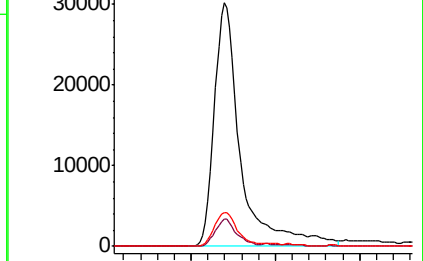
127 12.0 10.9 16.3



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: 5.226 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU033078.D

Acq: 28 Jun 2019 17:54

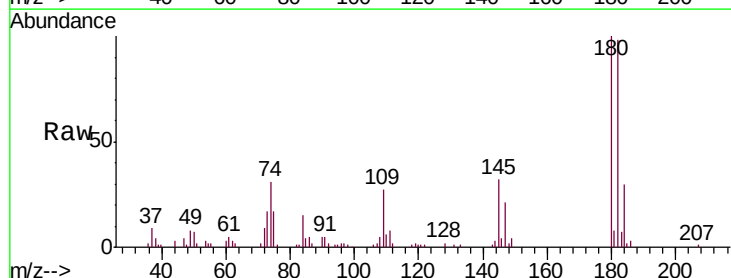
Tgt Ion:180 Resp: 44464

Ion Ratio Lower Upper

180 100

182 97.4 74.8 112.2

145 31.9 25.7 38.5



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

