

Data File : VU032887.D
Acq On : 20 Jun 2019 08:54
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Quant Time: Jun 21 05:27:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 20 05:14:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	92328	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	90959	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48851	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	24879	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.68	69	21774	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.27	63	57088	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.18	46	96752	57.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.50%
24) Chloroform-d	4.64	84	57215	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.30	65	32932	5.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.20%
32) Benzene-d6	5.33	84	102889	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.32	67	34352	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.56	98	97962	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.85	79	14292	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.31	63	72001	48.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31844	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	40402	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	45322	5.721	ug/L 100
3) Chloromethane	1.33	50	41153	5.009	ug/L 99
5) Vinyl chloride	1.40	62	42893	5.311	ug/L 99
6) Bromomethane	1.62	94	21919	4.449	ug/L 96
8) Chloroethane	1.69	64	25442	4.931	ug/L 99
9) Trichlorofluoromethane	1.88	101	62142	5.377	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	32707	5.323	ug/L 99
12) 1,1-Dichloroethene	2.28	96	29150	4.969	ug/L 98
13) Acetone	2.32	43	72650	55.873	ug/L 95
14) Carbon disulfide	2.47	76	93269	4.965	ug/L 100
15) Methyl Acetate	2.61	43	18588	5.210	ug/L 96
16) Methylene chloride	2.69	84	33207	5.104	ug/L 95
17) Methyl tert-butyl Ether	3.00	73	86167	5.022	ug/L 98
18) trans-1,2-Dichloroethene	2.97	96	31714	5.011	ug/L 96
19) 1,1-Dichloroethane	3.43	63	65700	5.799	ug/L 99
21) 2-Butanone	4.27	43	110490	58.425	ug/L 97
22) cis-1,2-Dichloroethene	4.22	96	36905	5.152	ug/L 92

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Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

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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	17363	5.632	ug/L	99
25) Chloroform	4.67	83	66781	5.770	ug/L	95
27) 1,2-Dichloroethane	5.40	62	46182	6.072	ug/L	100
29) 1,1,1-Trichloroethane	4.90	97	58330	5.262	ug/L	97
30) Cyclohexane	4.98	56	55029	4.697	ug/L	96
31) Carbon tetrachloride	5.13	117	52651	5.224	ug/L	99
33) Benzene	5.38	78	135713	5.061	ug/L	100
34) Trichloroethene	6.18	95	36163	4.688	ug/L	96
35) Methylcyclohexane	6.40	83	57389	4.626	ug/L	96
37) 1,2-Dichloropropane	6.43	63	37735	5.438	ug/L	100
38) Bromodichloromethane	6.75	83	47879	5.368	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	54044	5.073	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	265097	53.687	ug/L	96
42) Toluene	7.63	91	151016	5.053	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	44457	5.227	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	27163	5.381	ug/L	98
47) Tetrachloroethene	8.22	164	30928	5.095	ug/L	94
48) 2-Hexanone	8.36	43	190537	53.997	ug/L	96
49) Dibromochloromethane	8.47	129	32382	5.015	ug/L	93
50) 1,2-Dibromoethane	8.58	107	26389	5.245	ug/L	95
51) Chlorobenzene	9.11	112	95727	5.108	ug/L	99
52) Ethylbenzene	9.24	91	163357	4.959	ug/L	99
53) m,p-Xylene	9.37	106	62071	4.971	ug/L	96
54) o-Xylene	9.77	106	59638	4.785	ug/L	94
55) Styrene	9.79	104	103596	5.053	ug/L	100
56) Isopropylbenzene	10.16	105	161730	4.920	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	35568	5.509	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	25590	5.616	ug/L	99
61) Bromoform	9.95	173	19128	4.873	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	78472	4.921	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	81547	5.030	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	77707	5.043	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	5365	4.959	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	65749	5.144	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	52088	5.054	ug/L	96
69) Naphthalene	13.74	128	85210	4.717	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	50000	4.872	ug/L	97

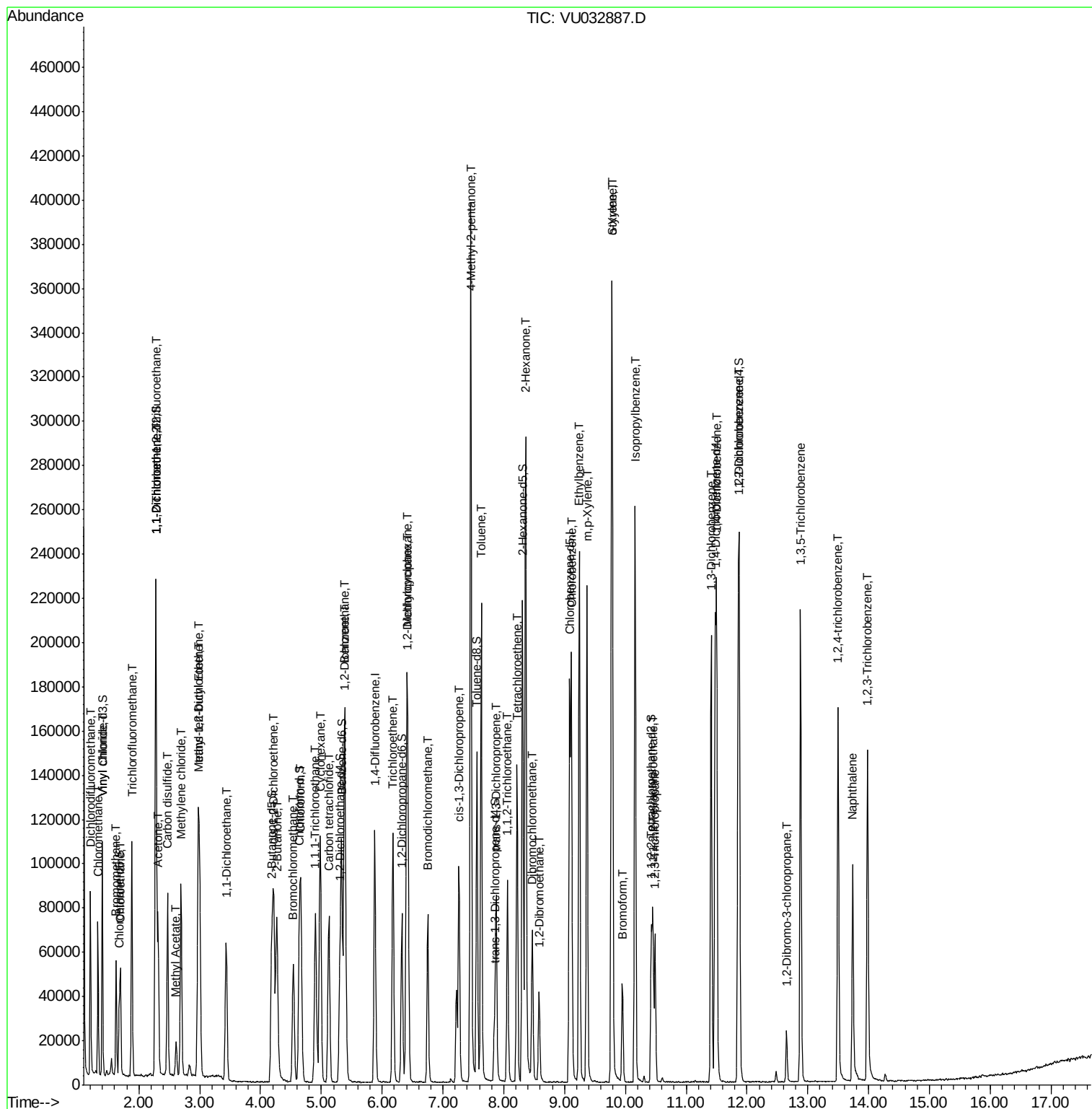
(#) = qualifier out of range (m) = manual integration (+) = signals summed

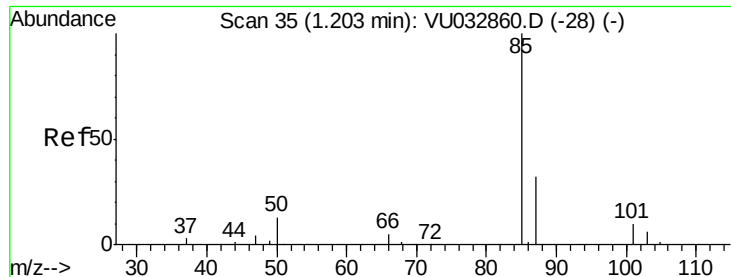
Data File : VU032887.D

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Acq On       : 20 Jun 2019   08:54
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Sample      : VSTDCCC005
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ALS Vial    : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

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#2

Dichlorodifluoromethane

Concen: 5.721 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

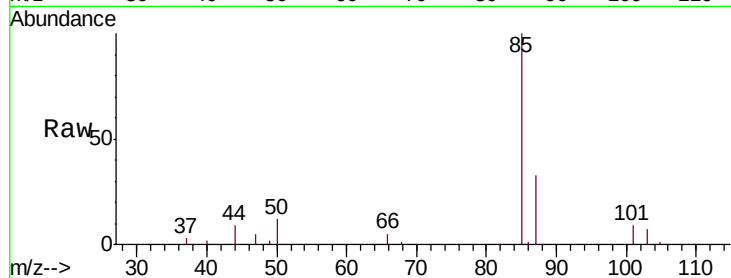
VSTD00501

Tgt Ion: 85 Resp: 45322

Ion Ratio Lower Upper

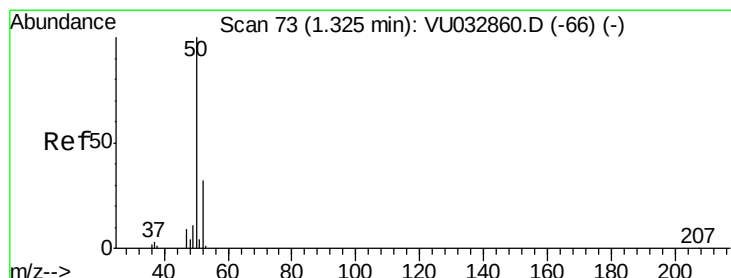
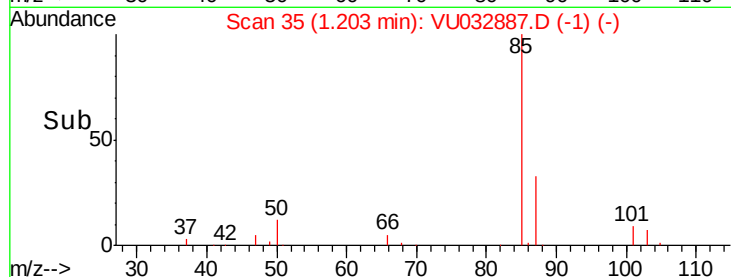
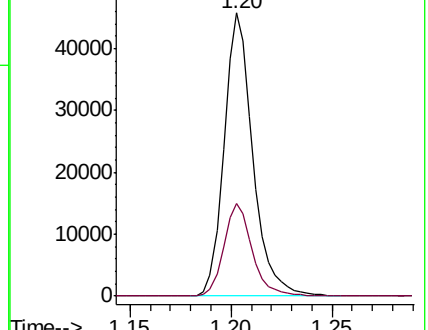
85 100

87 32.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032860.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032860.D (-28) (-)



#3

Chloromethane

Concen: 5.009 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032887.D

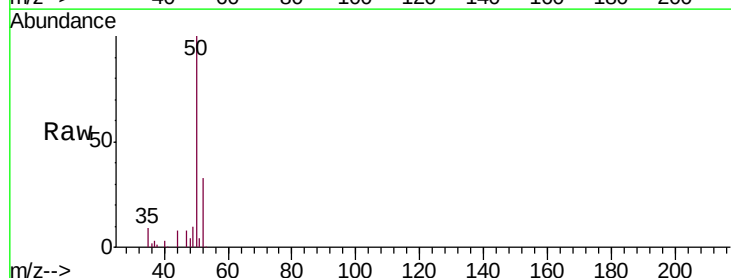
Acq: 20 Jun 2019 08:54

Tgt Ion: 50 Resp: 41153

Ion Ratio Lower Upper

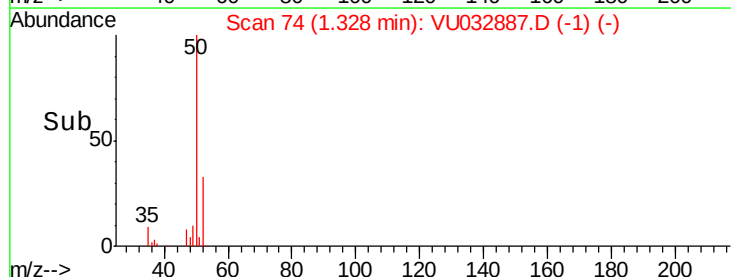
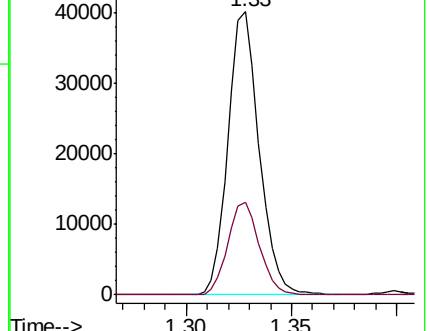
50 100

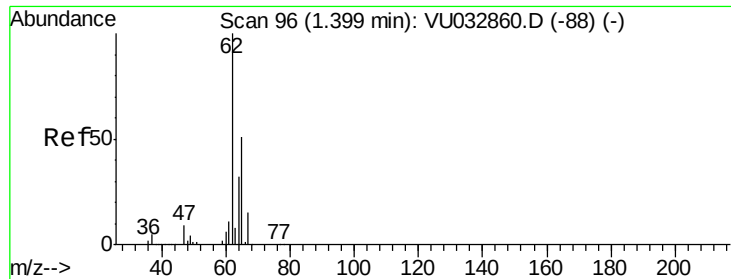
52 32.5 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032860.D (-66) (-)

Ion 52.05 (51.75 to 52.75): VU032860.D (-66) (-)





#5

Vinyl chloride

Concen: 5.311 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

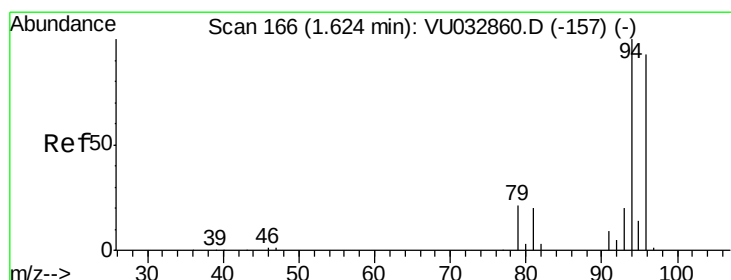
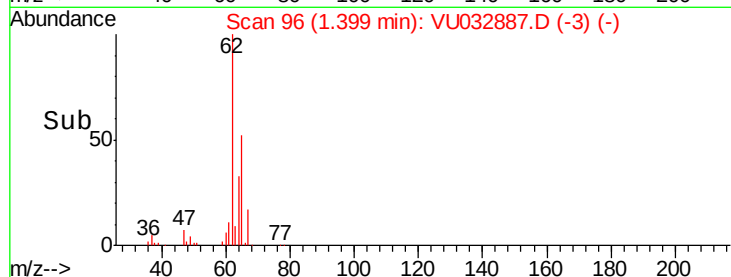
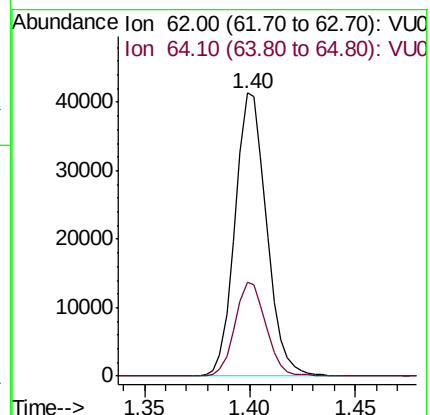
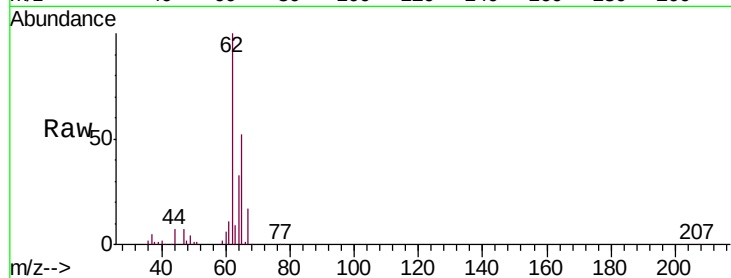
VSTD00501

Tgt Ion: 62 Resp: 42893

Ion Ratio Lower Upper

62 100

64 33.3 23.0 42.8



#6

Bromomethane

Concen: 4.449 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU032887.D

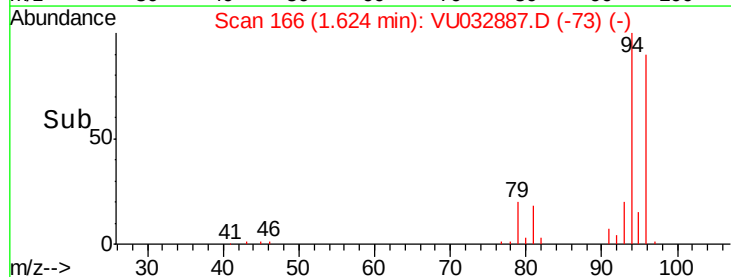
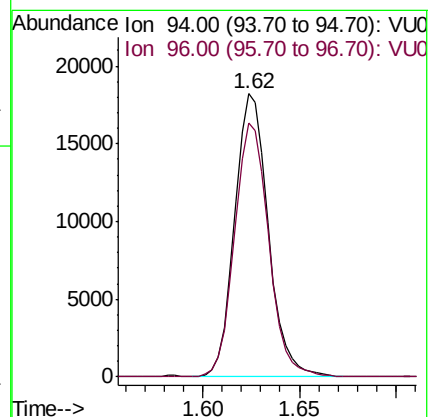
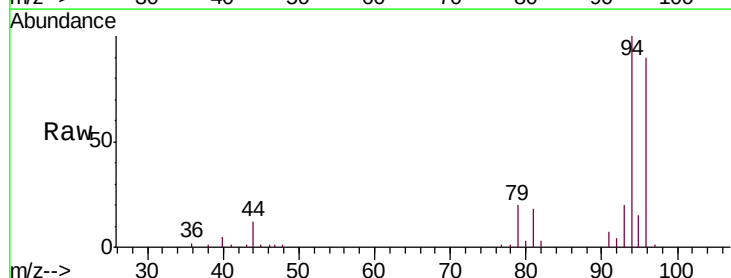
Acq: 20 Jun 2019 08:54

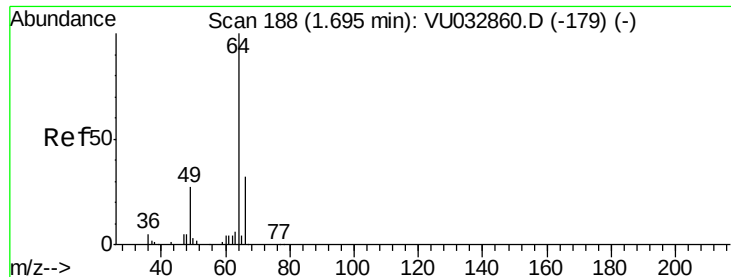
Tgt Ion: 94 Resp: 21919

Ion Ratio Lower Upper

94 100

96 89.7 65.5 121.6





#8

Chloroethane

Concen: 4.931 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

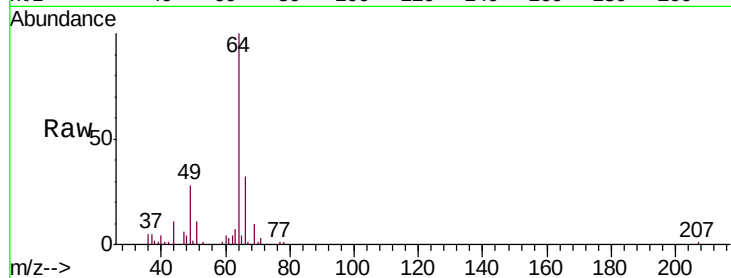
VSTD00501

Tgt Ion: 64 Resp: 25442

Ion Ratio Lower Upper

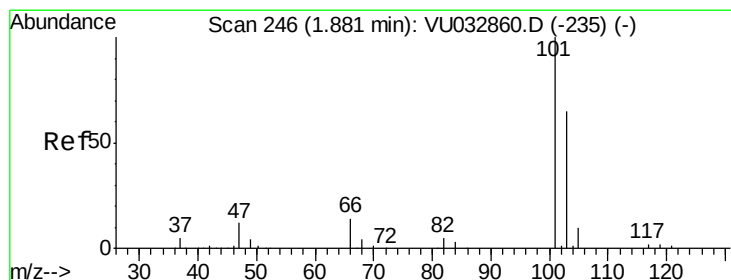
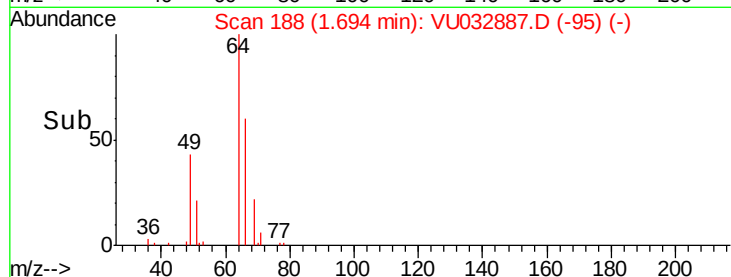
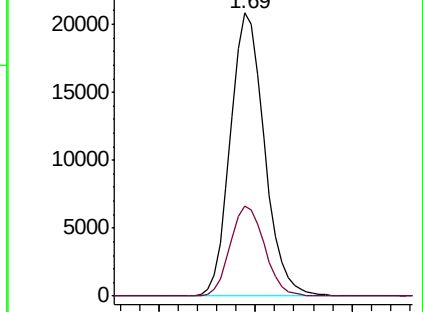
64 100

66 32.0 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VU032860.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU032860.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 5.377 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU032887.D

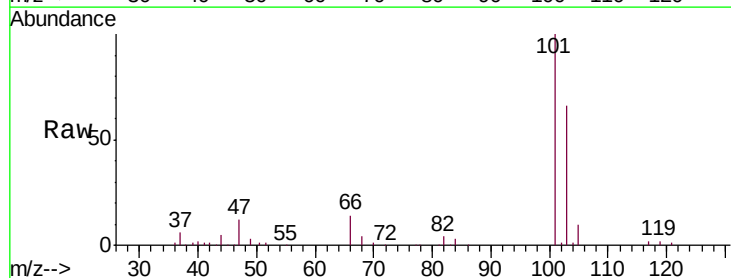
Acq: 20 Jun 2019 08:54

Tgt Ion: 101 Resp: 62142

Ion Ratio Lower Upper

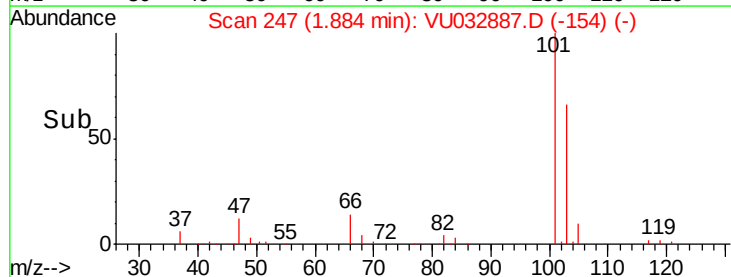
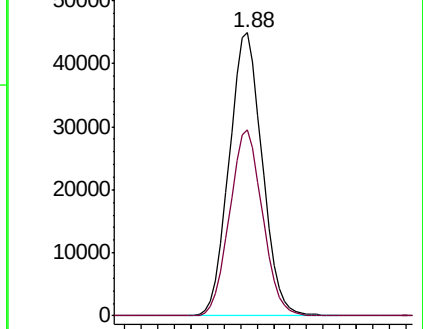
101 100

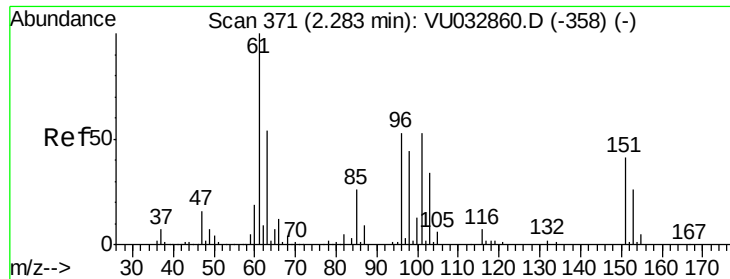
103 65.5 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU032860.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU032860.D (-235) (-)





#10

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

Concen: 5.323 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

Instrument :

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ClientSampleId :

VSTD00501

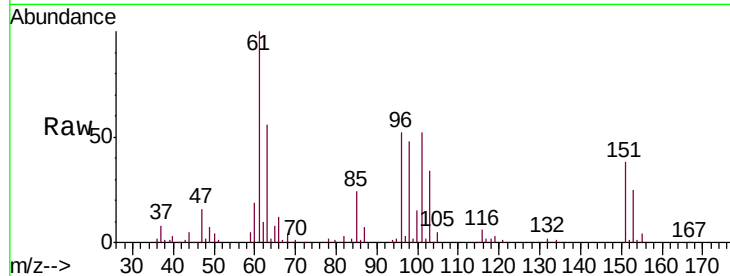
Tgt Ion:101 Resp: 32707

Ion Ratio Lower Upper

101 100

85 47.5 38.9 58.3

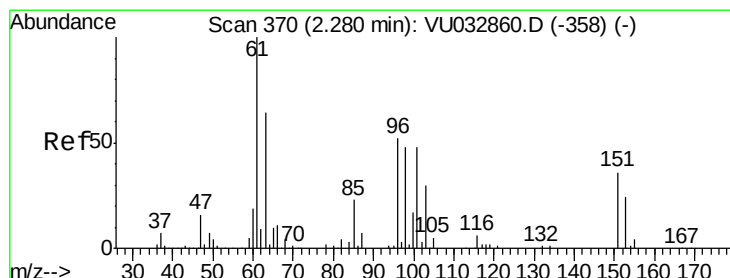
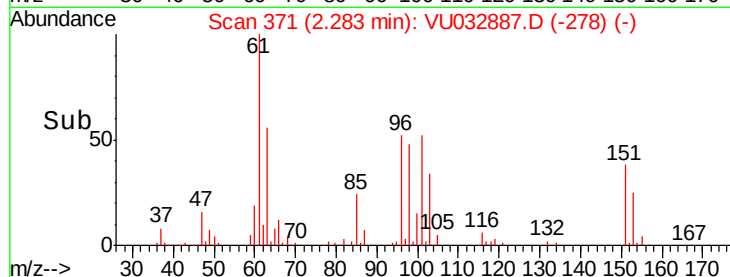
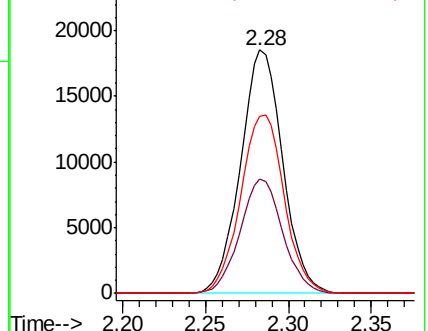
151 75.8 61.0 91.4



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: 4.969 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

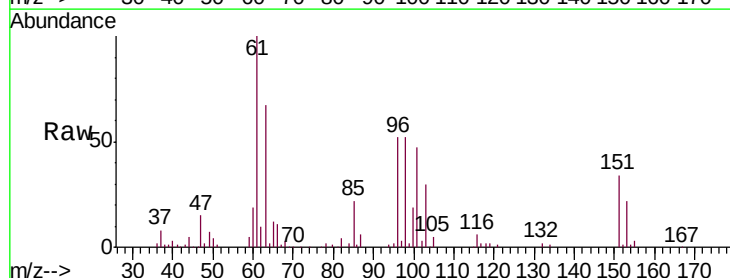
Tgt Ion: 96 Resp: 29150

Ion Ratio Lower Upper

96 100

61 192.4 131.8 244.8

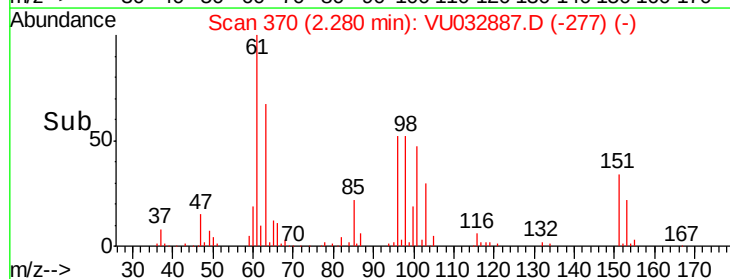
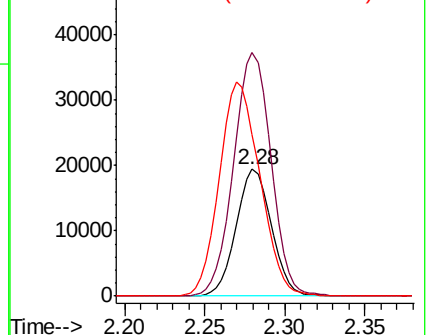
63 128.1 90.1 167.3

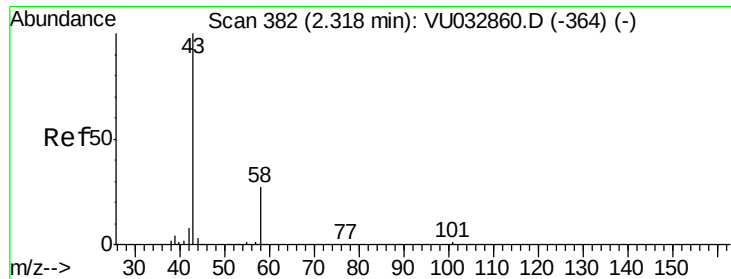


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.873 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

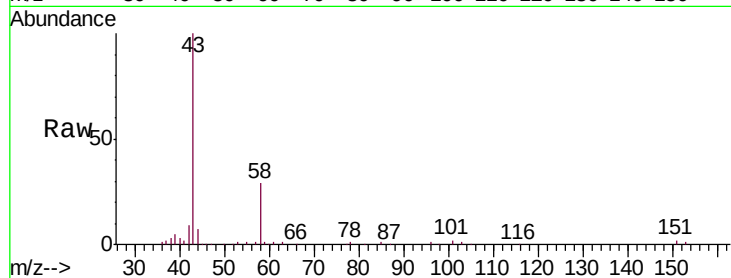
VSTD00501

Tgt Ion: 43 Resp: 72650

Ion Ratio Lower Upper

43 100

58 27.7 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032887.D (-381) (-)

Ion 58.05 (57.75 to 58.75): VU032887.D (-381) (-)

2.32

40000

30000

20000

10000

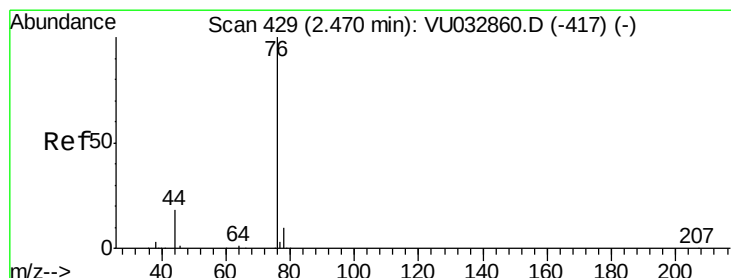
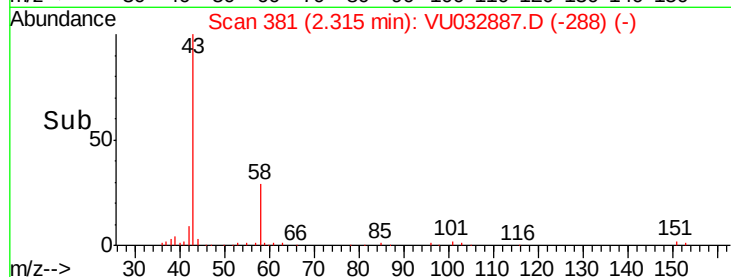
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Time-->

2.20

2.30

2.40



#14

Carbon disulfide

Concen: 4.965 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU032887.D

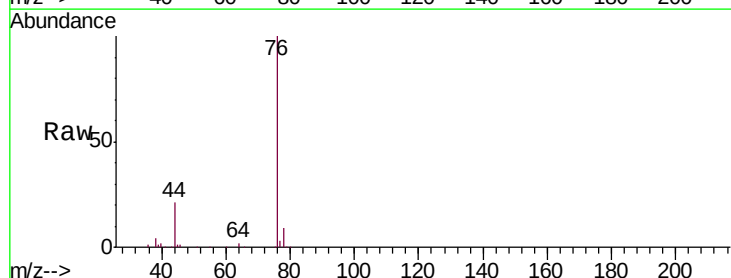
Acq: 20 Jun 2019 08:54

Tgt Ion: 76 Resp: 93269

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU032887.D (-430) (-)

Ion 78.00 (77.70 to 78.70): VU032887.D (-430) (-)

2.47

60000

40000

20000

0

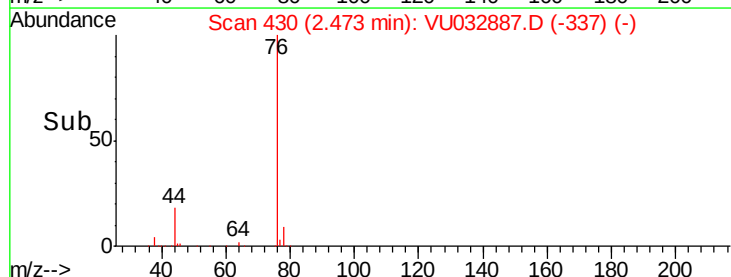
Time-->

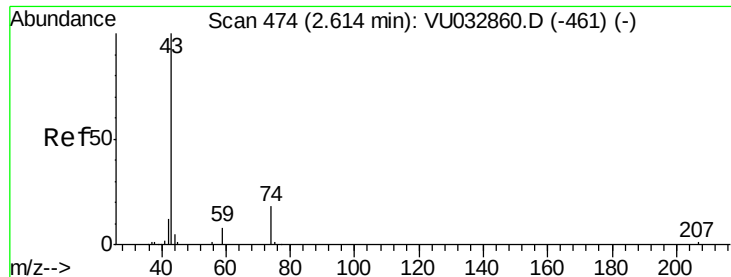
2.40

2.45

2.50

2.55





#15

Methyl Acetate

Concen: 5.210 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

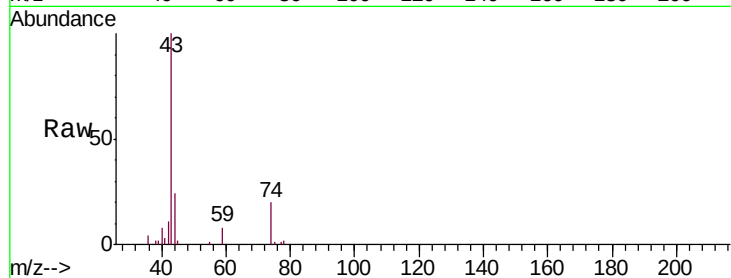
VSTD00501

Tgt Ion: 43 Resp: 18588

Ion Ratio Lower Upper

43 100

74 20.4 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU032887.D (-380) (-)

Ion 74.05 (73.75 to 74.75): VU032887.D (-380) (-)

2.61

12000

10000

8000

6000

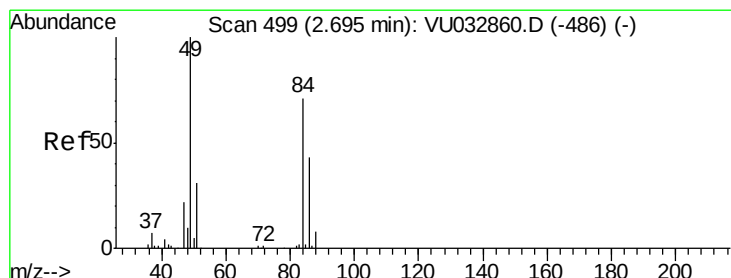
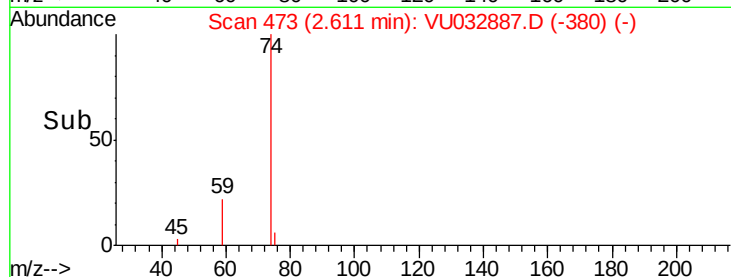
4000

2000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 5.104 ug/L

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

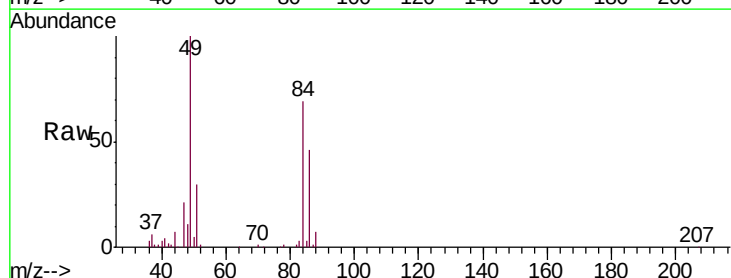
Tgt Ion: 84 Resp: 33207

Ion Ratio Lower Upper

84 100

86 65.9 47.2 87.6

49 144.0 95.9 178.1



Abundance Ion 84.05 (83.75 to 84.75): VU032887.D (-406) (-)

Ion 86.00 (85.70 to 86.70): VU032887.D (-406) (-)

Ion 49.10 (48.80 to 49.80): VU032887.D (-406) (-)

2.69

30000

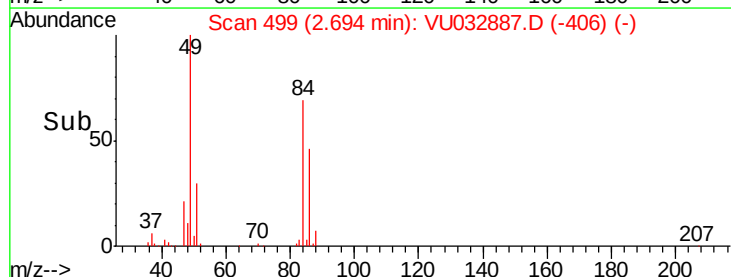
20000

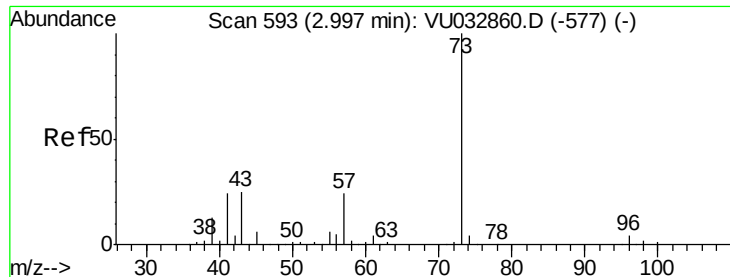
10000

0

Time-->

2.65 2.70 2.75

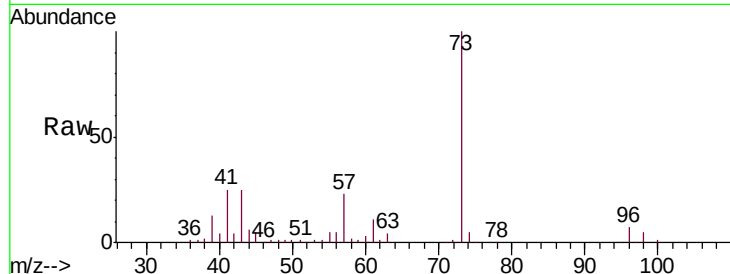




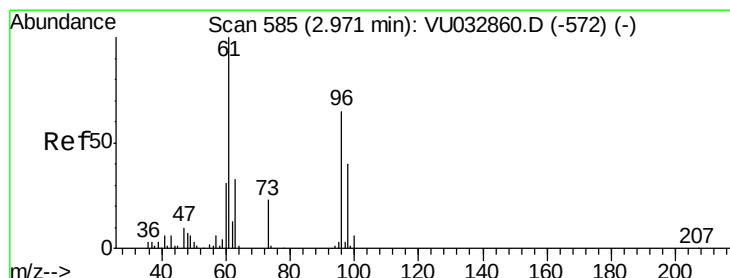
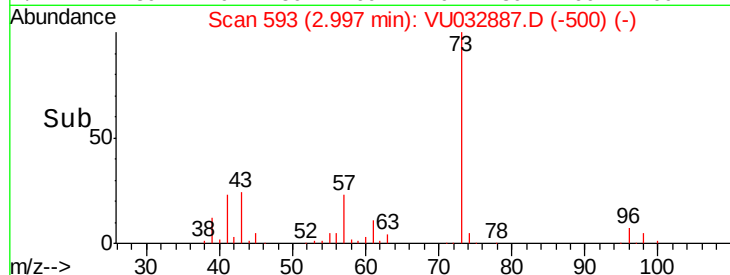
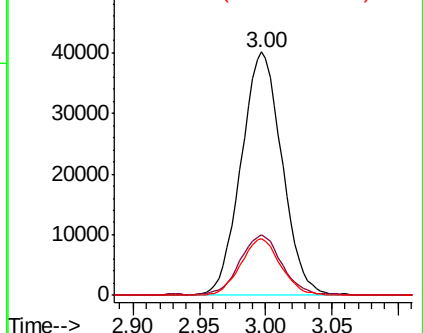
#17
Methyl tert-butyl Ether
Concen: 5.022 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU032887.D
Acq: 20 Jun 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tgt Ion:	73	Resp:	86167
Ion	Ratio	Lower	Upper
73	100		
43	24.7	18.6	27.8
57	22.8	18.3	27.5

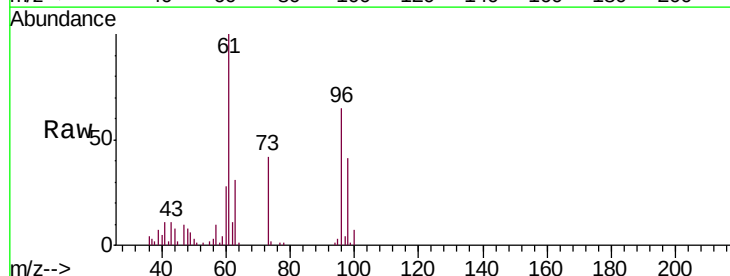


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

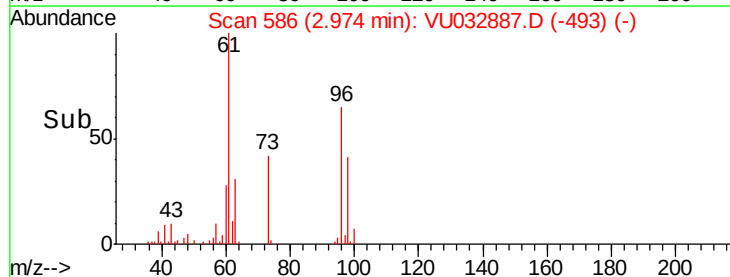
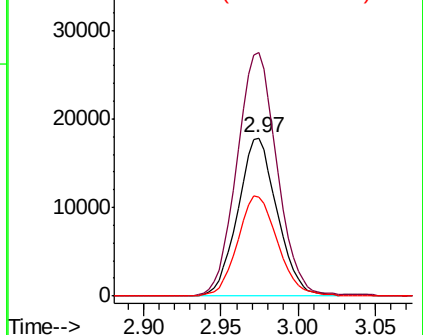


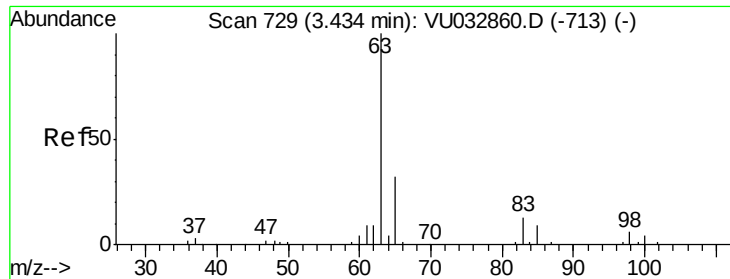
#18
trans-1,2-Dichloroethene
Concen: 5.011 ug/L
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU032887.D
Acq: 20 Jun 2019 08:54

Tgt Ion:	96	Resp:	31714
Ion	Ratio	Lower	Upper
96	100		
61	153.6	103.1	191.5
98	62.8	43.7	81.1



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

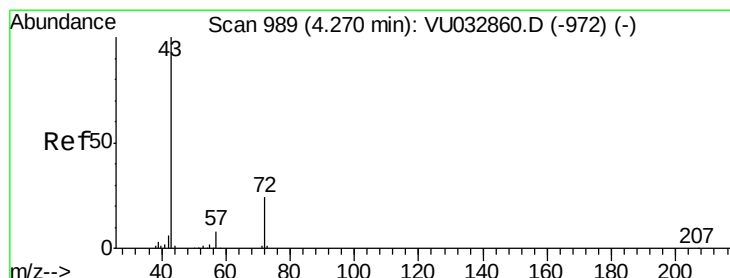
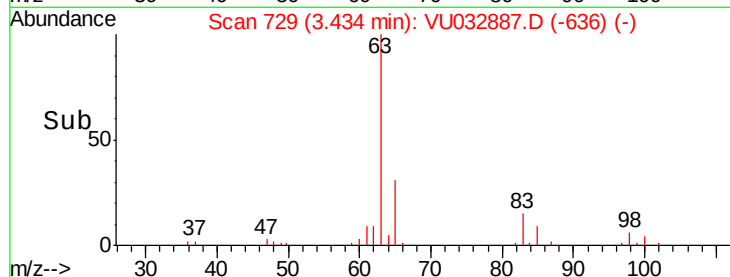
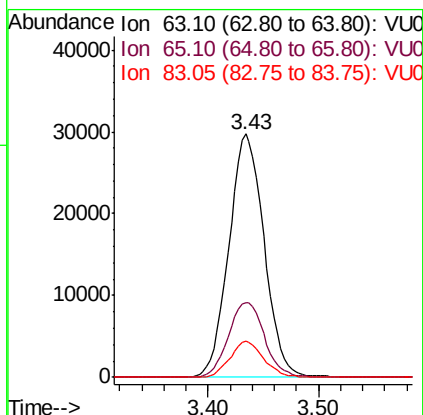
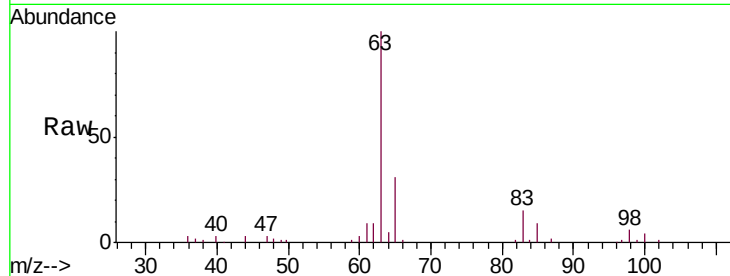




#19
 1,1-Dichloroethane
 Concen: 5.799 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

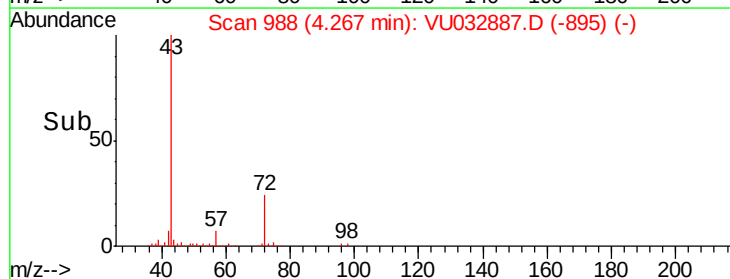
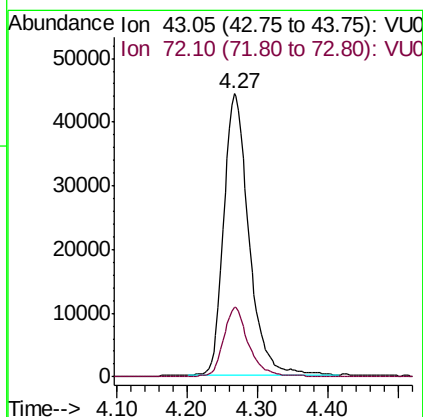
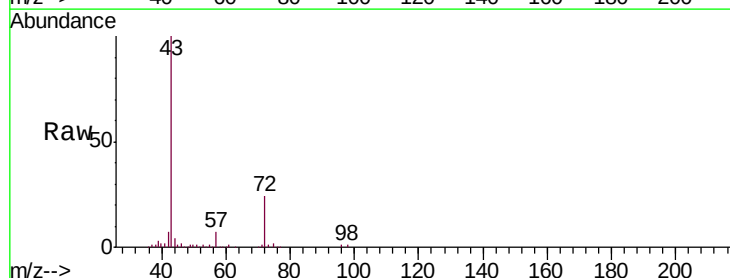
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

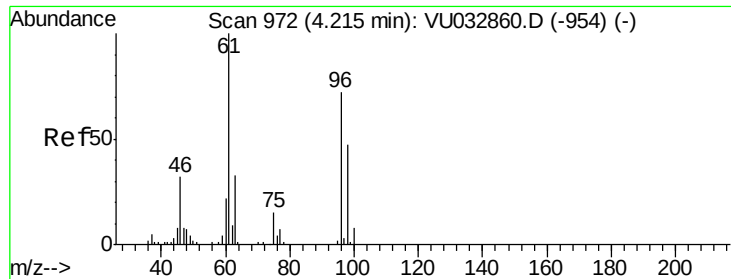
Tgt Ion: 63 Resp: 65700
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.3 39.6
 83 15.0 10.1 18.7



#21
 2-Butanone
 Concen: 58.425 ug/L
 RT: 4.27 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

Tgt Ion: 43 Resp: 110490
 Ion Ratio Lower Upper
 43 100
 72 24.7 13.1 39.3



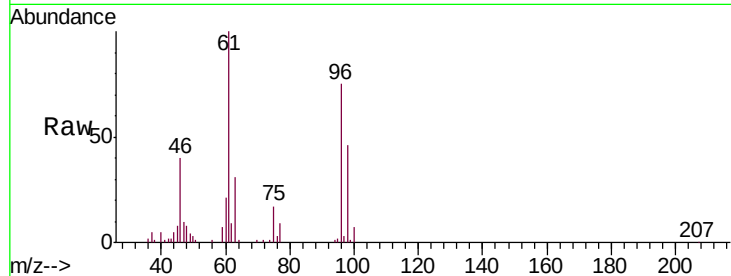


#22

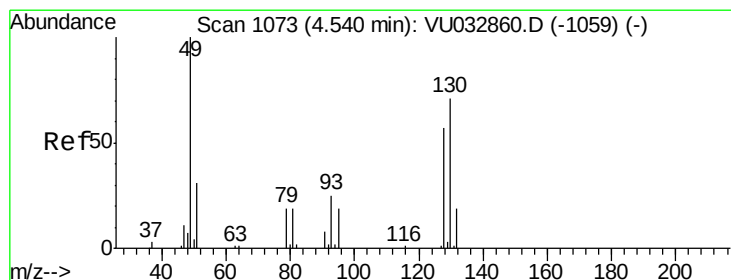
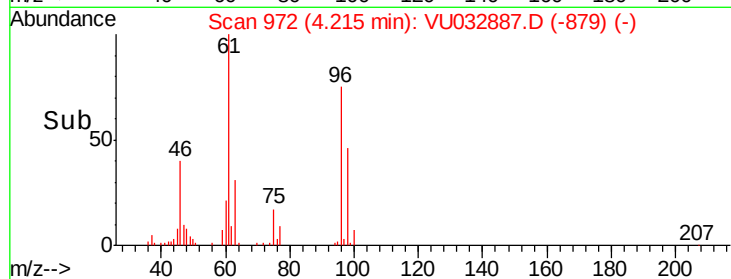
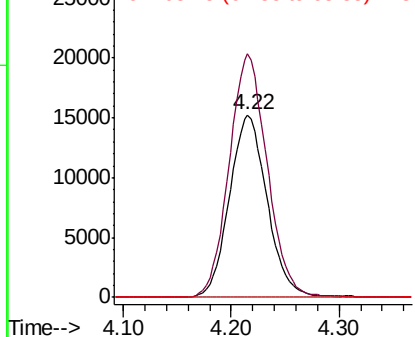
cis-1,2-Dichloroethene
Concen: 5.152 ug/L
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU032887.D
Acq: 20 Jun 2019 08:54

Instrument :
MSVOA_U
ClientSampled :
VSTD00501

Tgt Ion: 96 Resp: 36905
Ion Ratio Lower Upper
96 100
61 133.2 86.6 160.8
68 0.0 0.0 0.0



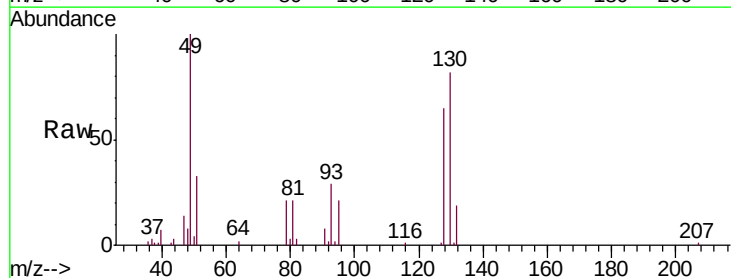
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



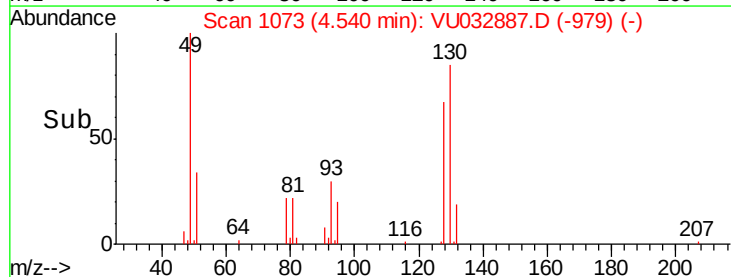
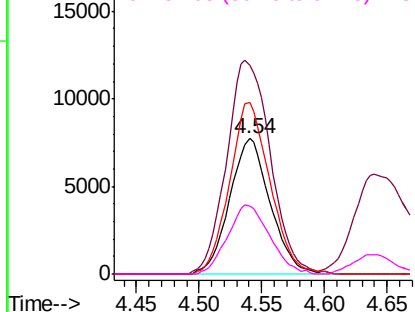
#23

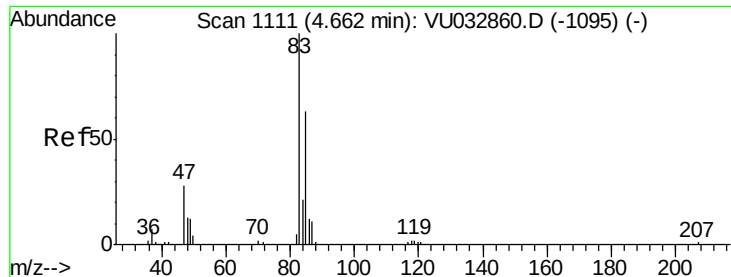
Bromochloromethane
Concen: 5.632 ug/L
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VU032887.D
Acq: 20 Jun 2019 08:54

Tgt Ion: 128 Resp: 17363
Ion Ratio Lower Upper
128 100
49 154.2 107.8 200.2
130 127.2 89.3 165.9
51 50.6 38.2 57.4



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

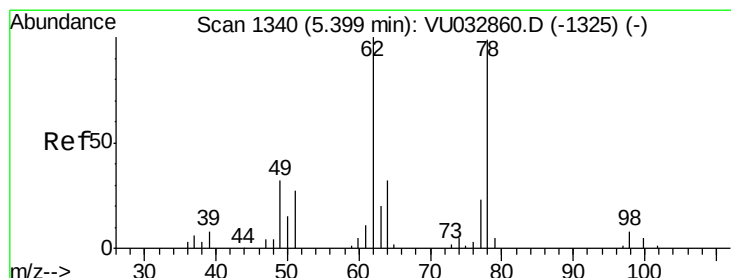
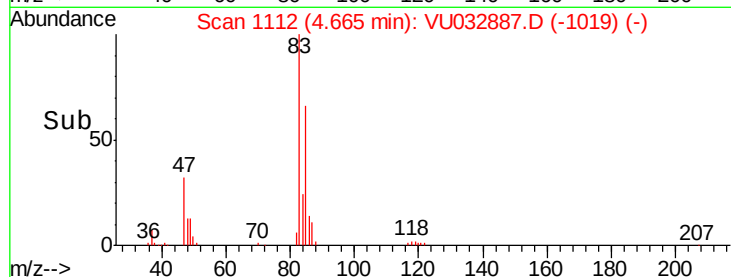
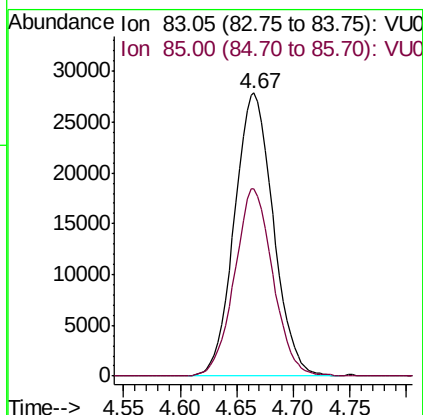
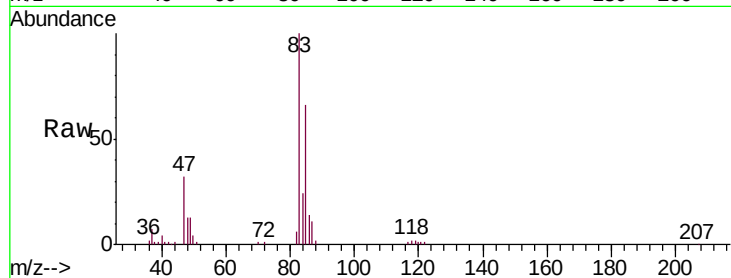




#25
Chloroform
Concen: 5.770 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032887.D
Acq: 20 Jun 2019 08:54

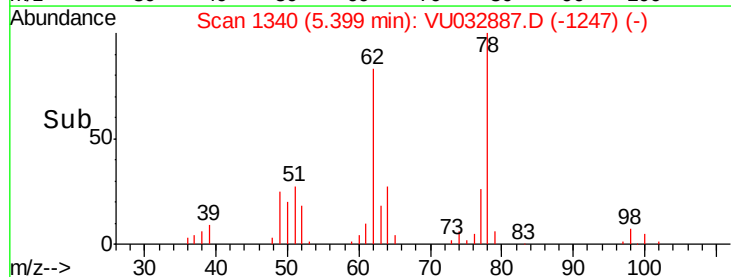
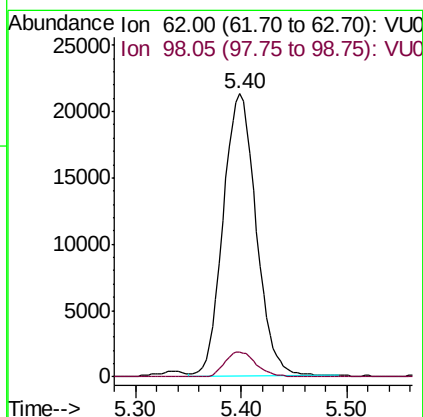
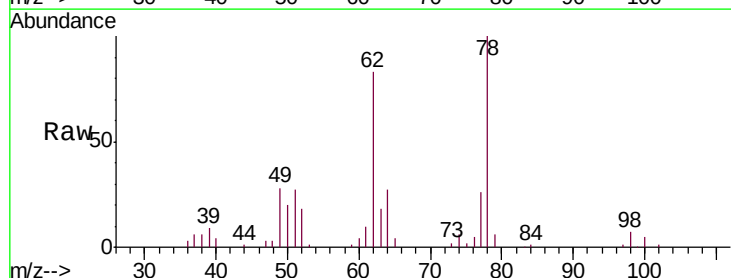
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

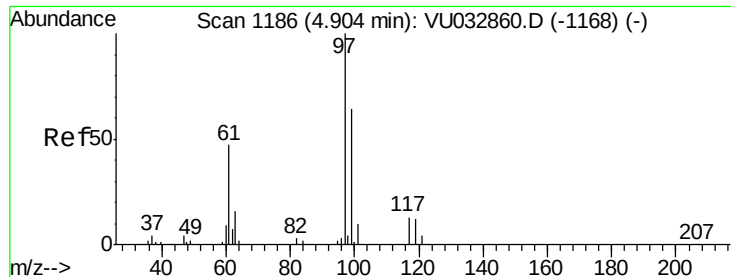
Tgt Ion: 83 Resp: 66781
Ion Ratio Lower Upper
83 100
85 66.0 43.8 81.3



#27
1,2-Dichloroethane
Concen: 6.072 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU032887.D
Acq: 20 Jun 2019 08:54

Tgt Ion: 62 Resp: 46182
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.6

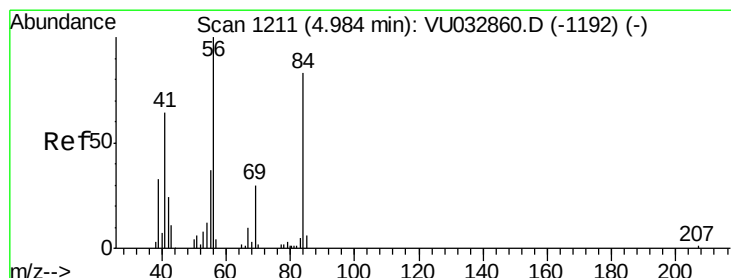
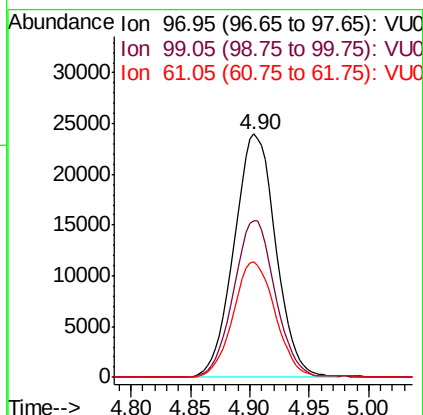
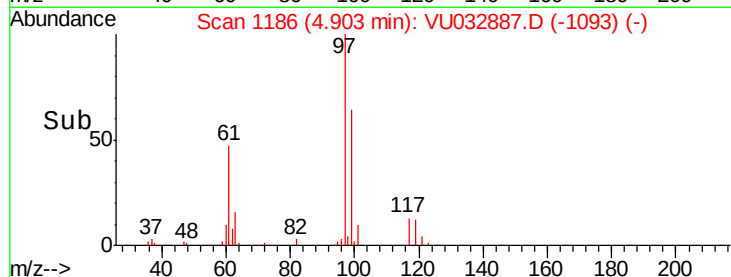
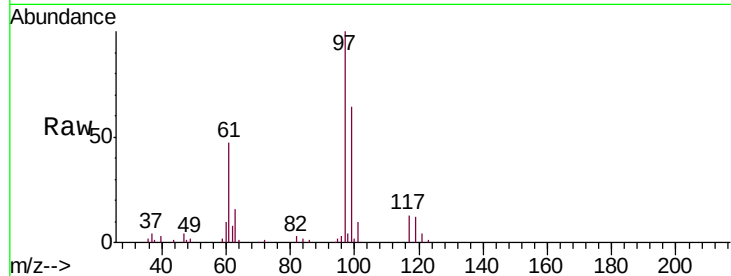




#29
 1,1,1-Trichloroethane
 Concen: 5.262 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

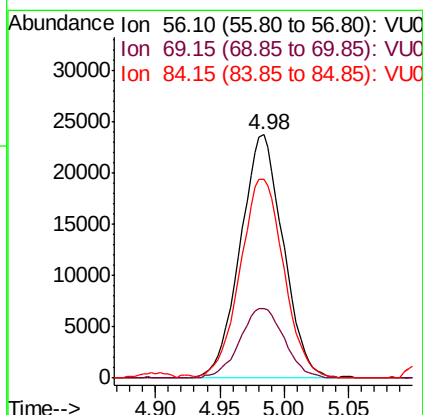
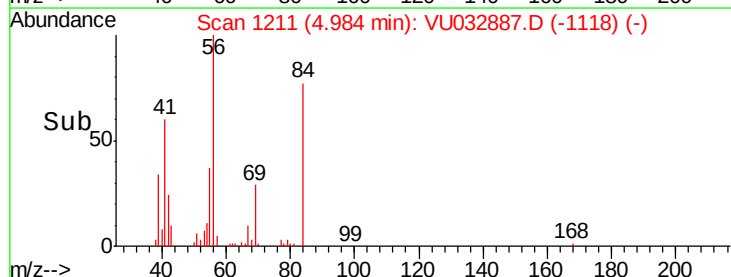
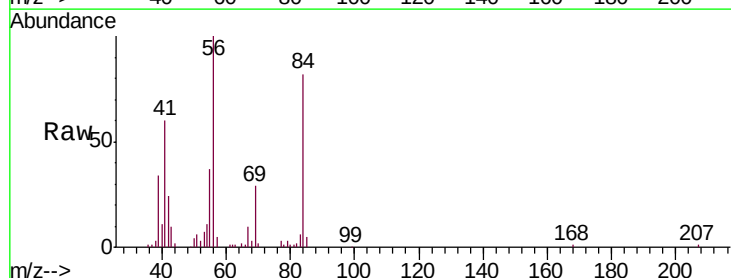
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

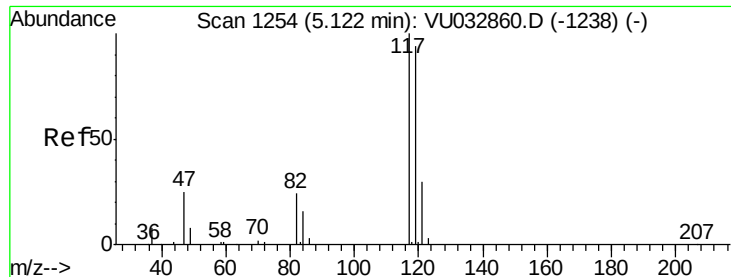
Tgt Ion: 97 Resp: 58330
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.8 77.6
 61 47.7 34.7 52.1



#30
 Cyclohexane
 Concen: 4.697 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

Tgt Ion: 56 Resp: 55029
 Ion Ratio Lower Upper
 56 100
 69 29.5 24.9 37.3
 84 83.5 70.2 105.2





#31

Carbon tetrachloride

Concen: 5.224 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

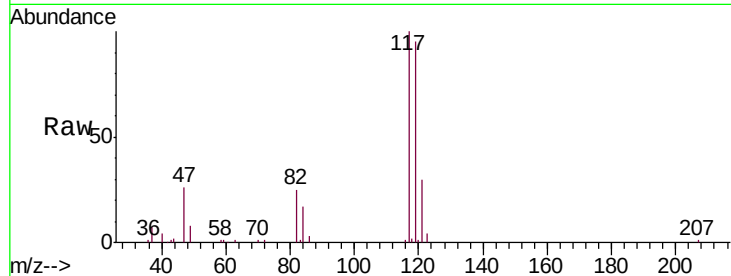
VSTD00501

Tgt Ion:117 Resp: 52651

Ion Ratio Lower Upper

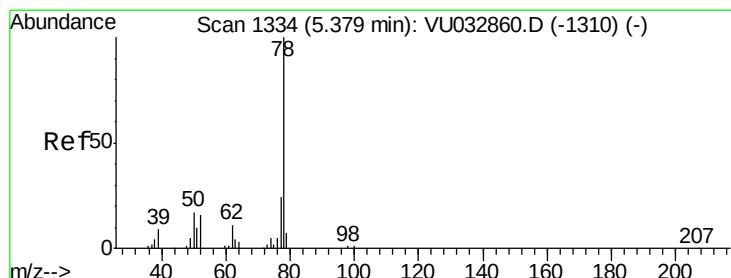
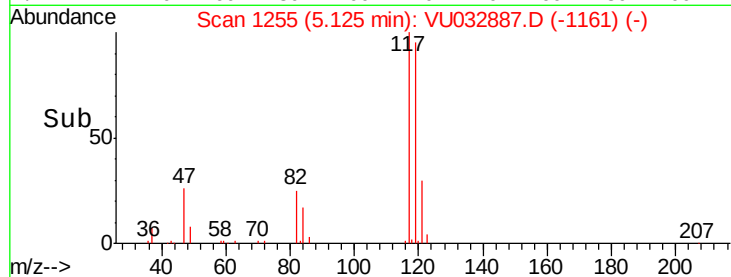
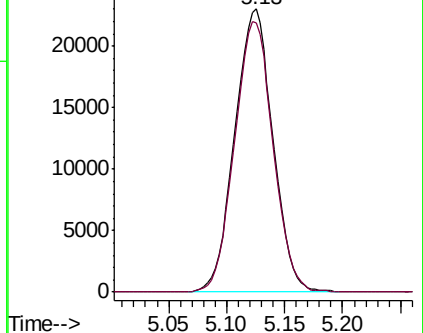
117 100

119 96.4 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.061 ug/L

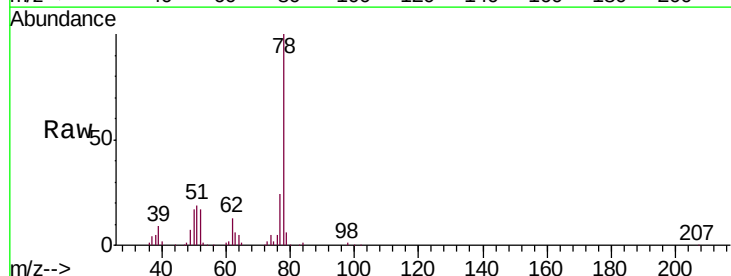
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

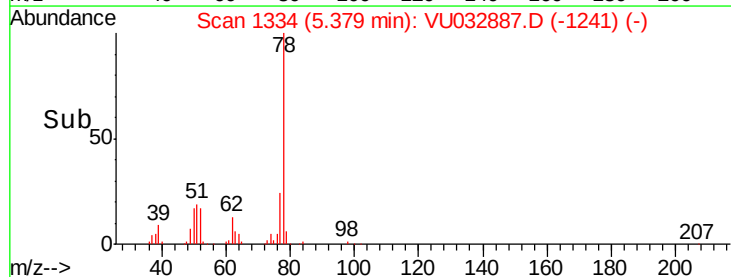
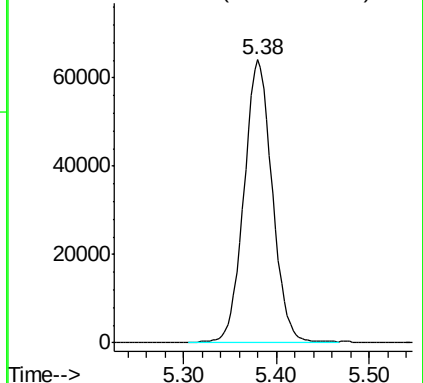
Lab File: VU032887.D

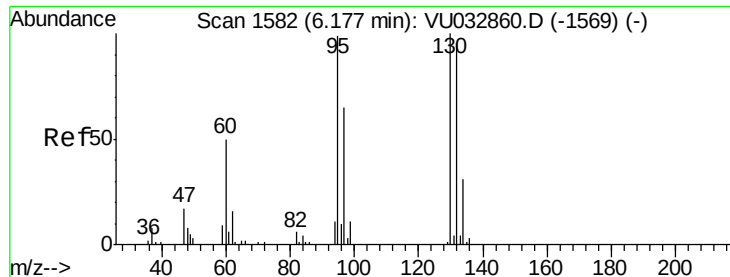
Acq: 20 Jun 2019 08:54

Tgt Ion: 78 Resp: 135713



Abundance Ion 78.10 (77.80 to 78.80): VU0

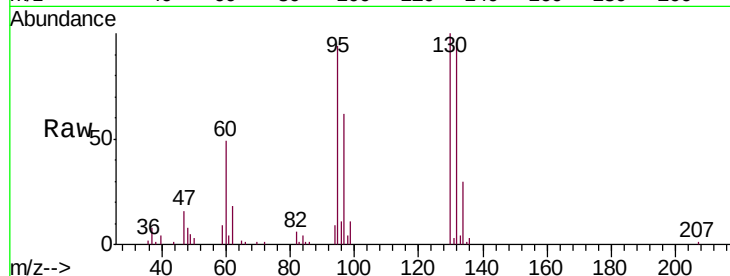




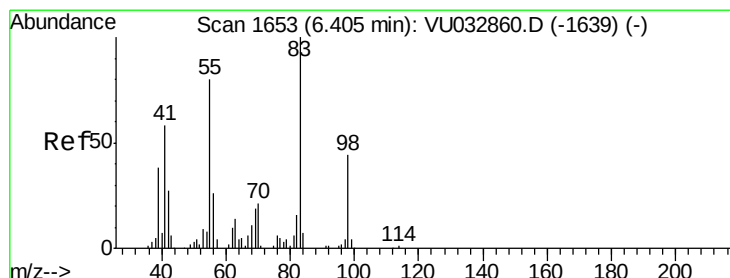
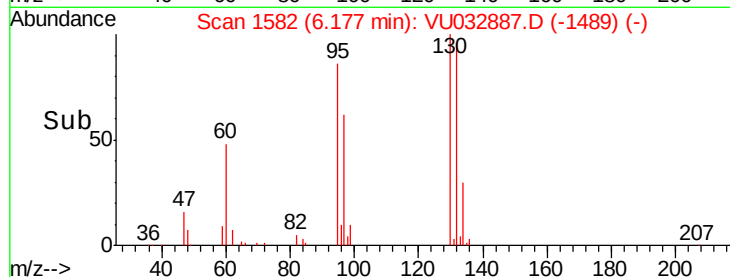
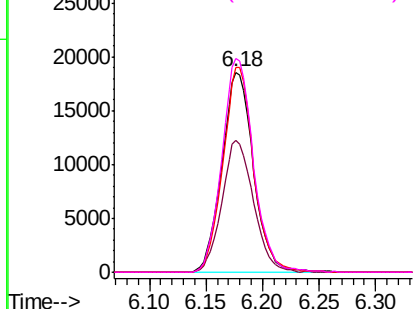
#34
 Trichloroethene
 Concen: 4.688 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion: 95 Resp: 36163
 Ion Ratio Lower Upper
 95 100
 97 66.1 44.1 81.9
 132 102.1 68.8 127.8
 130 106.7 71.0 131.8

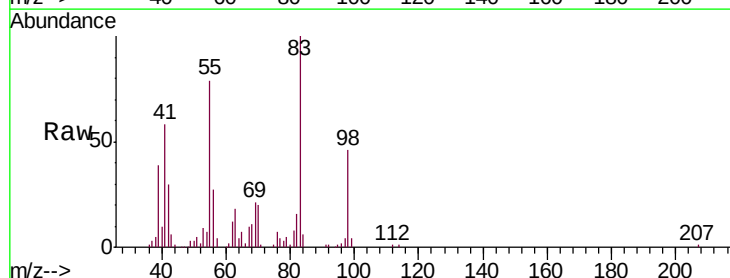


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

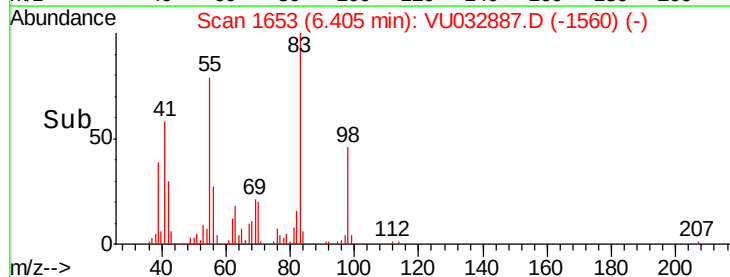
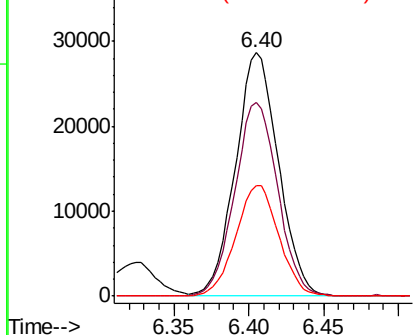


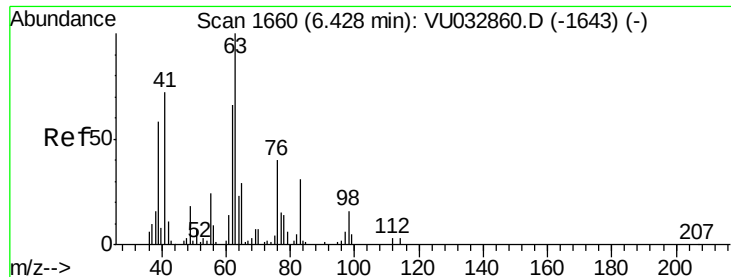
#35
 Methylcyclohexane
 Concen: 4.626 ug/L
 RT: 6.40 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

Tgt Ion: 83 Resp: 57389
 Ion Ratio Lower Upper
 83 100
 55 79.3 60.0 90.0
 98 45.4 37.8 56.8



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

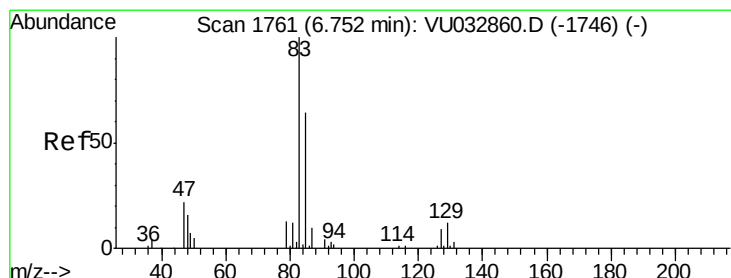
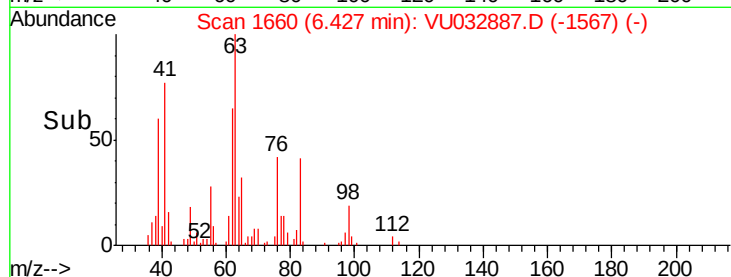
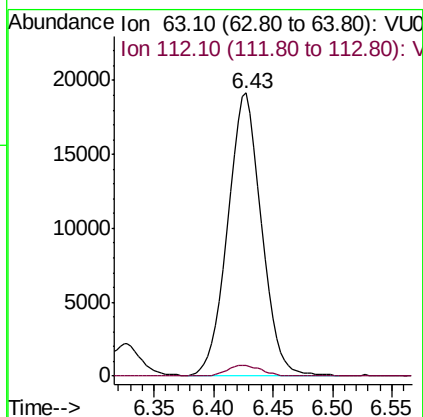
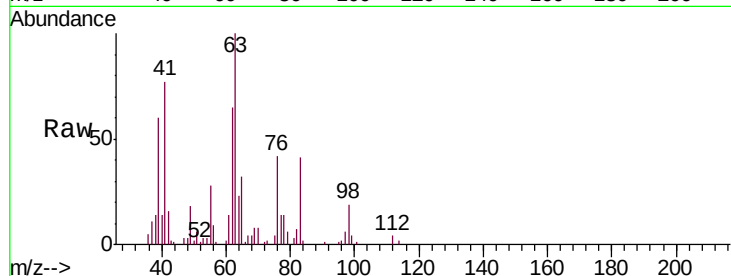




#37
 1,2-Dichloropropane
 Concen: 5.438 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

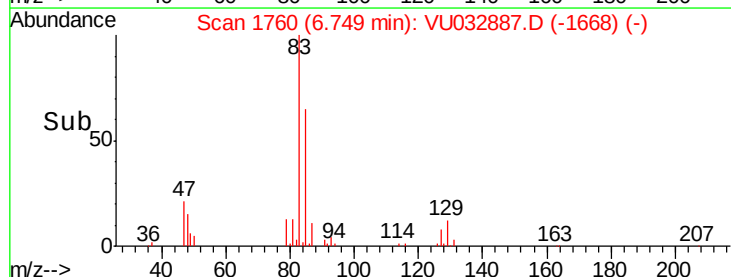
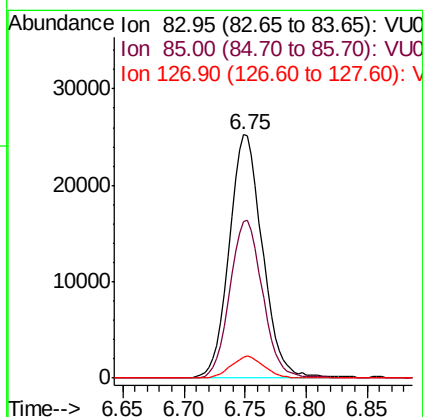
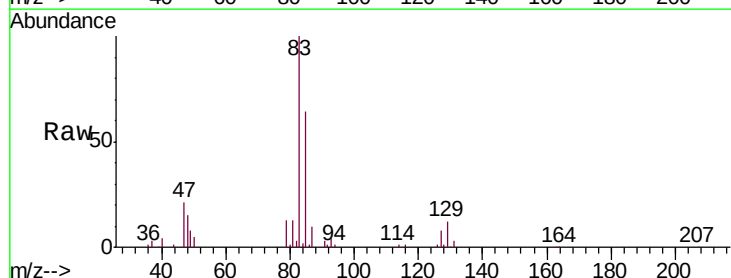
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

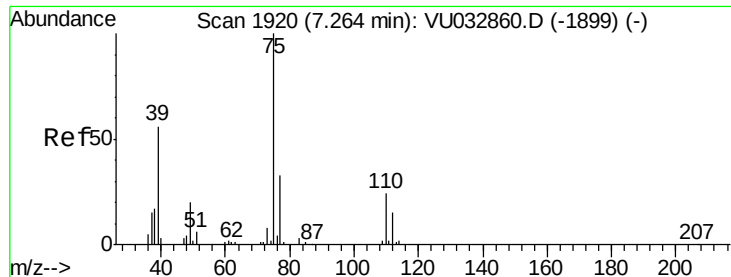
Tgt Ion: 63 Resp: 37735
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.9 4.3



#38
 Bromodichloromethane
 Concen: 5.368 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

Tgt Ion: 83 Resp: 47879
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.2 84.0
 127 8.3 7.4 11.2

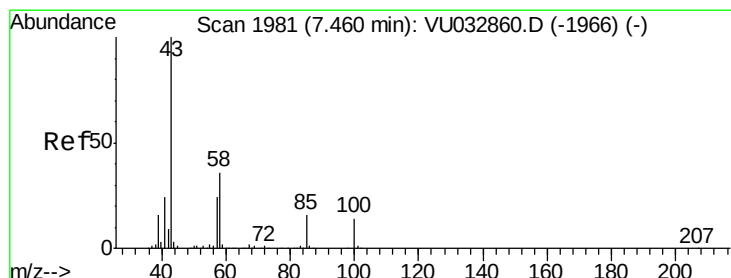
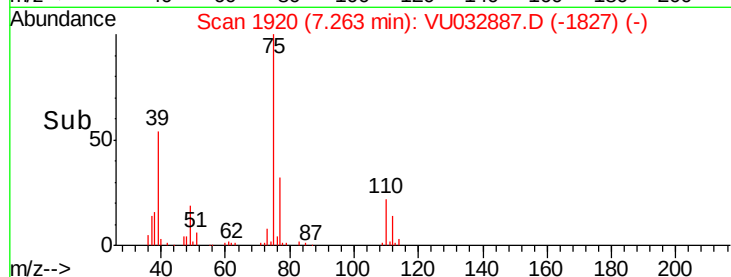
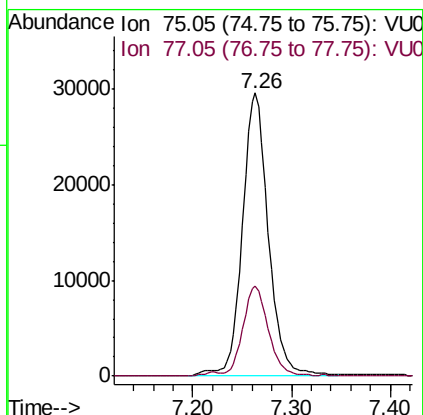
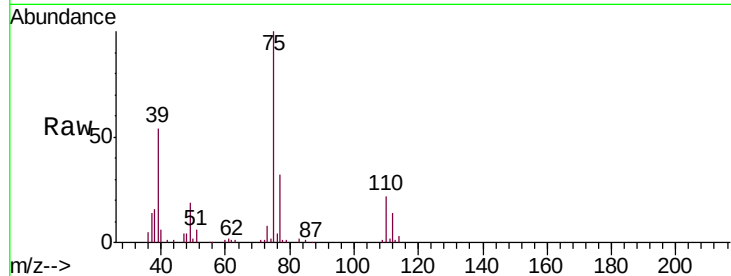




#39
 cis-1,3-Dichloropropene
 Concen: 5.073 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

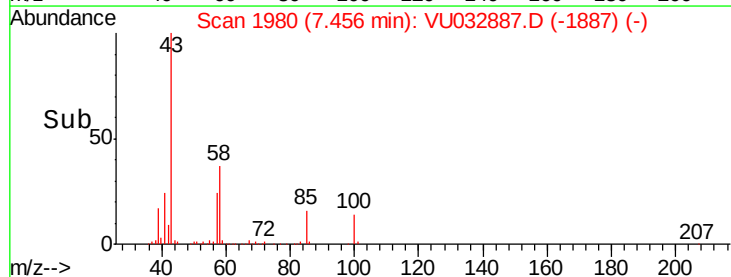
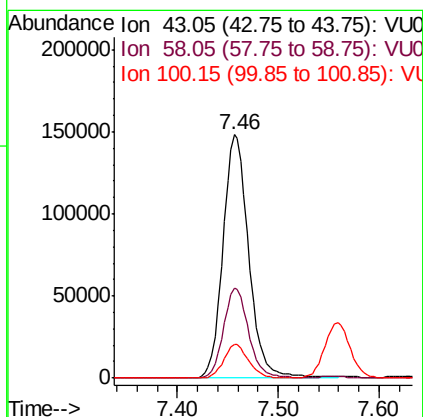
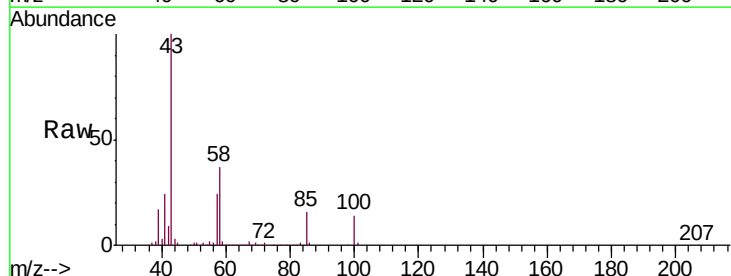
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

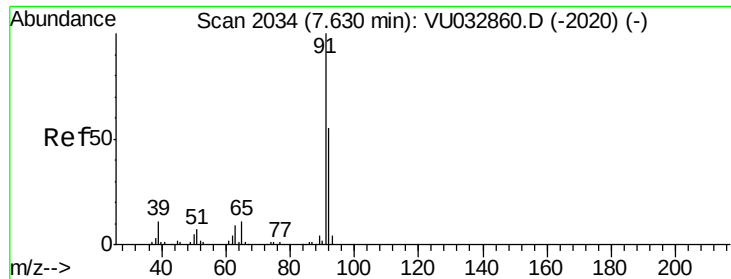
Tgt Ion: 75 Resp: 54044
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 53.687 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

Tgt Ion: 43 Resp: 265097
 Ion Ratio Lower Upper
 43 100
 58 36.1 30.9 46.3
 100 13.3 11.9 17.9





#42

Toluene

Concen: 5.053 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

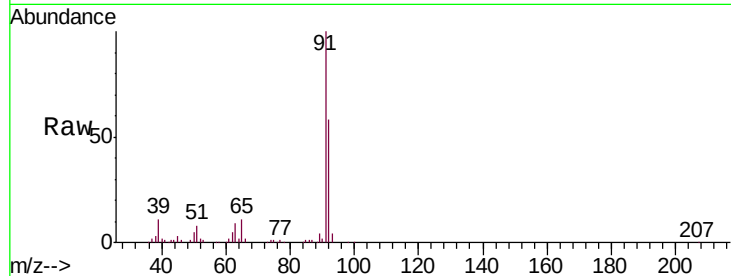
VSTD00501

Tgt Ion: 91 Resp: 151016

Ion Ratio Lower Upper

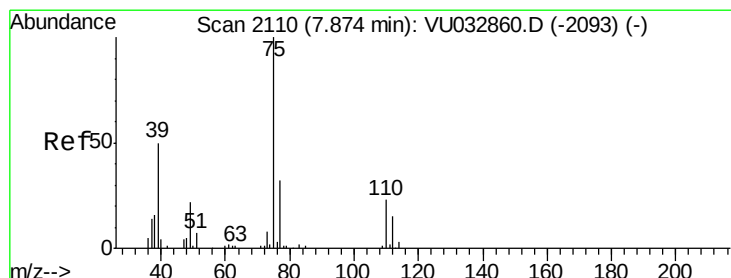
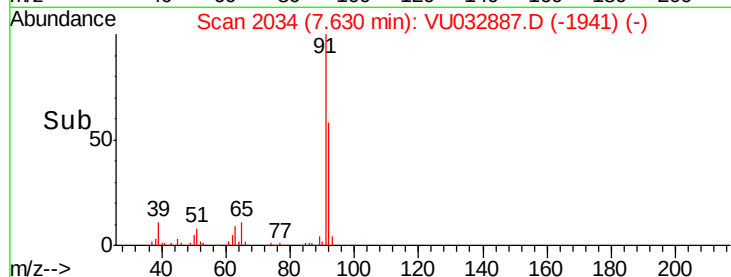
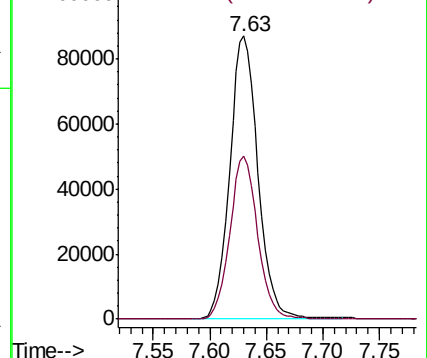
91 100

92 57.7 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032860.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032860.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.227 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032887.D

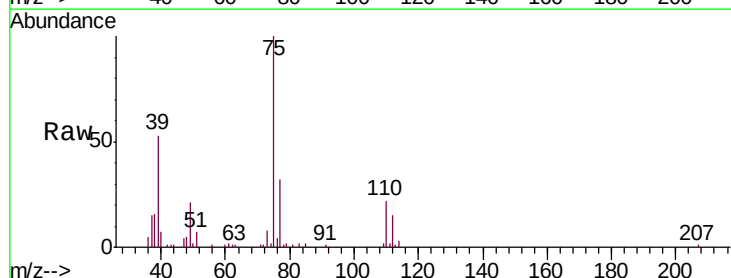
Acq: 20 Jun 2019 08:54

Tgt Ion: 75 Resp: 44457

Ion Ratio Lower Upper

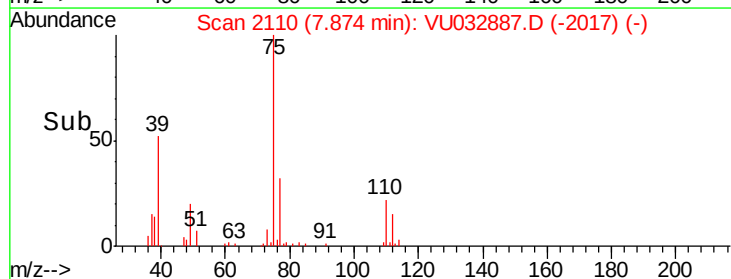
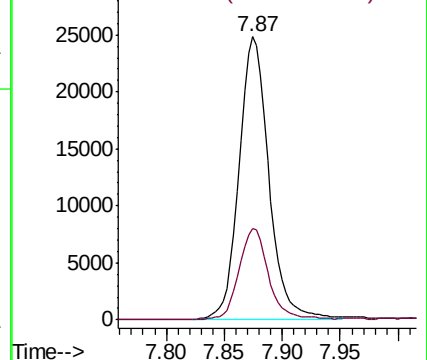
75 100

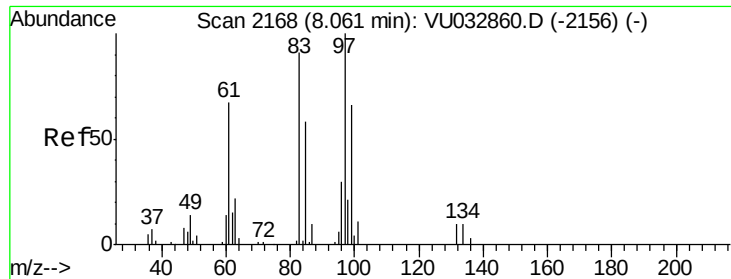
77 32.4 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032860.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU032860.D (-2093) (-)

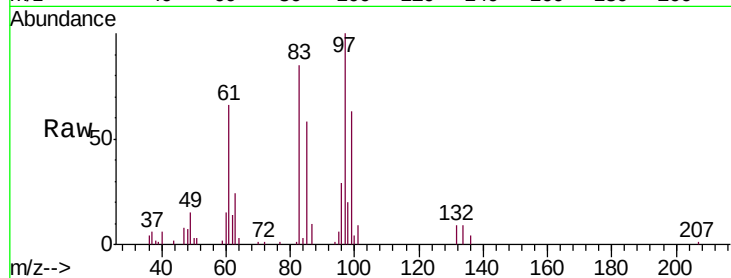




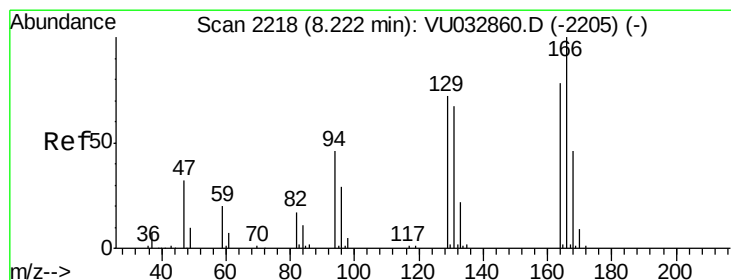
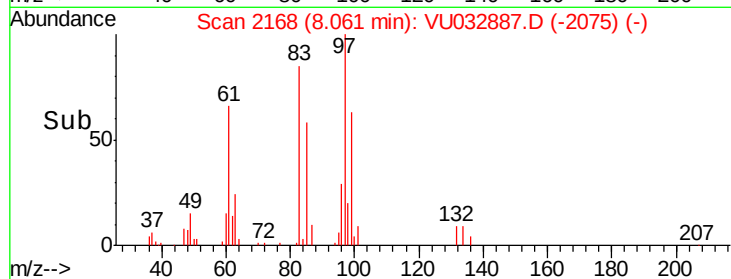
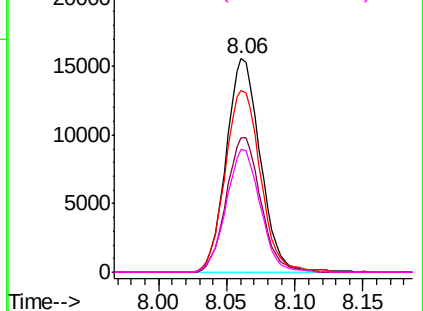
#45
 1,1,2-Trichloroethane
 Concen: 5.381 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion:	97	Resp:	27163
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.9	83.3
83	85.1	58.7	108.9
85	57.6	37.9	70.5

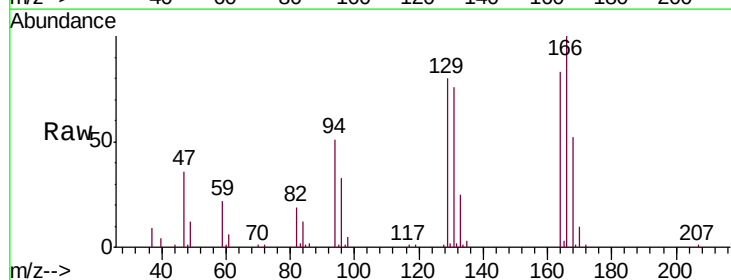


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

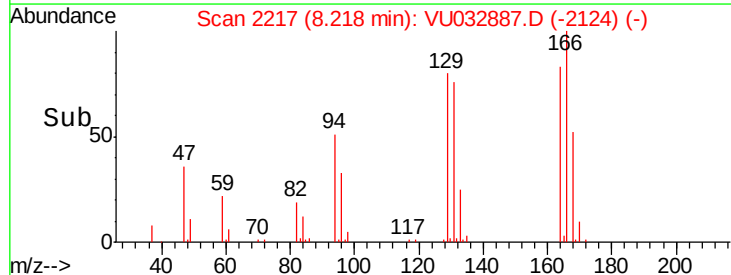
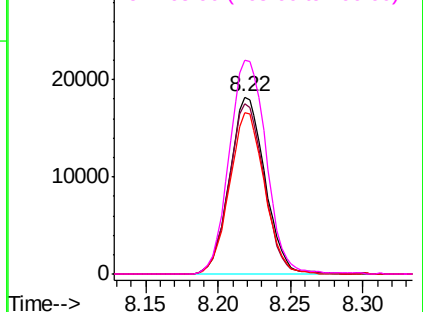


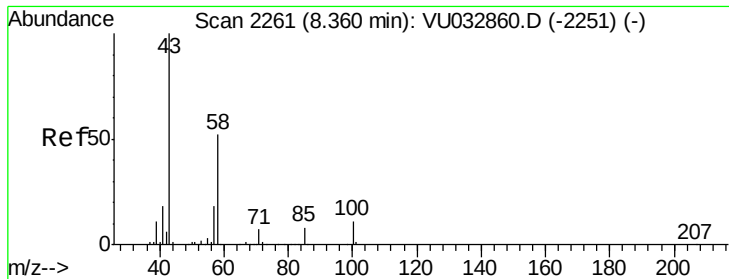
#47
 Tetrachloroethene
 Concen: 5.095 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

Tgt Ion:	164	Resp:	30928
Ion	Ratio	Lower	Upper
164	100		
129	96.1	66.1	122.7
131	91.1	65.6	121.8
166	120.5	93.2	173.2



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

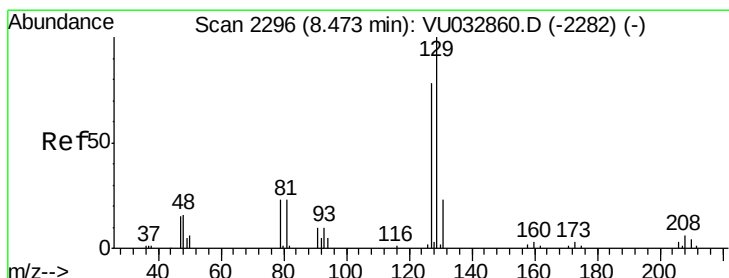
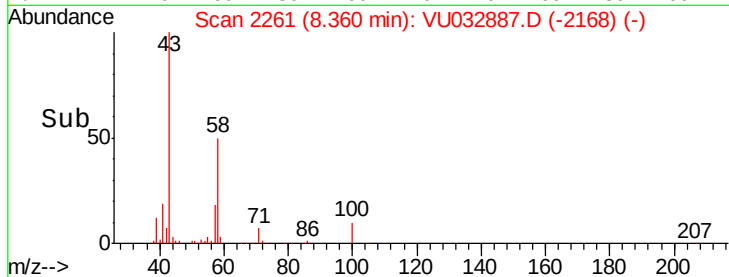
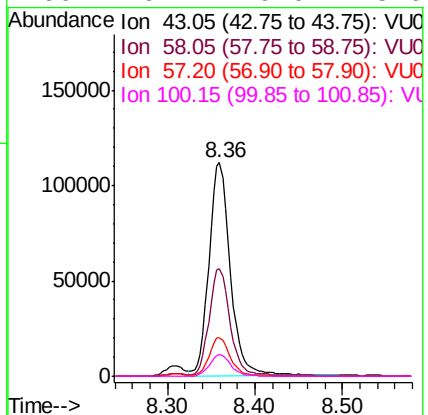
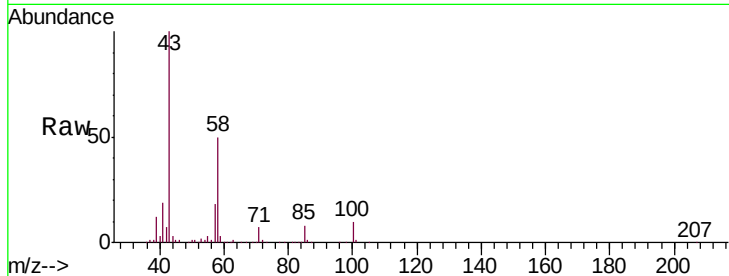




#48
2-Hexanone
Concen: 53.997 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU032887.D
Acq: 20 Jun 2019 08:54

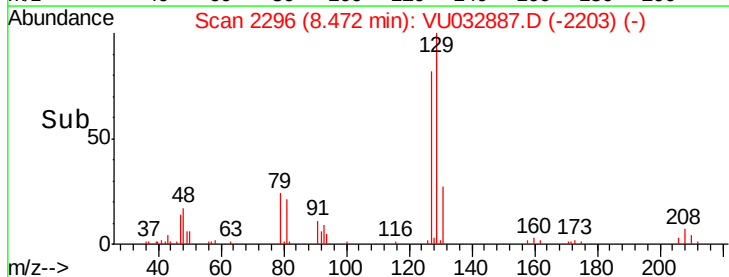
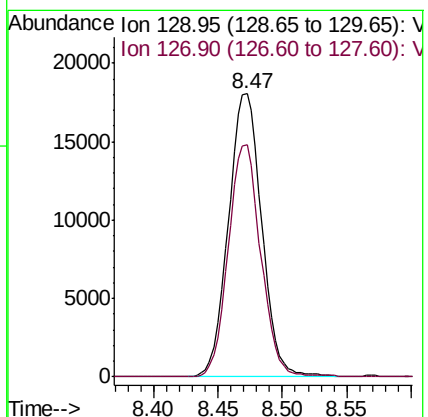
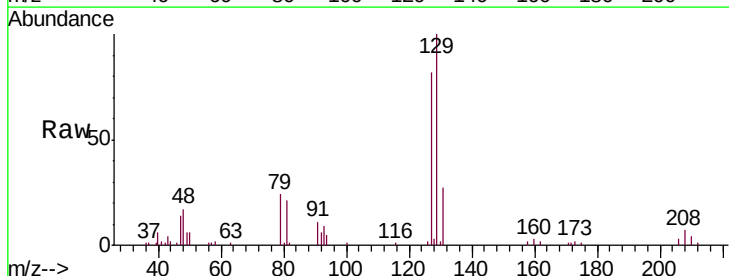
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

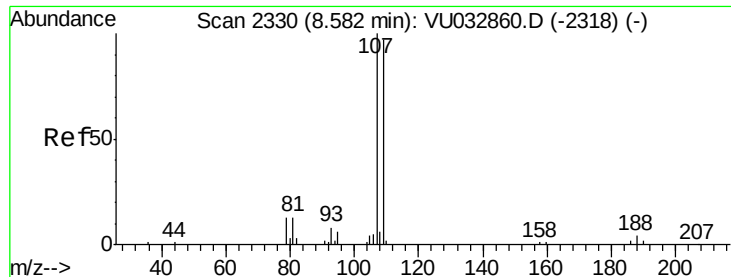
Tgt Ion:	43	Resp:	190537
Ion	Ratio	Lower	Upper
43	100		
58	49.3	41.9	62.9
57	17.7	15.1	22.7
100	10.4	9.0	13.6



#49
Dibromochloromethane
Concen: 5.015 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU032887.D
Acq: 20 Jun 2019 08:54

Tgt Ion:	129	Resp:	32382
Ion	Ratio	Lower	Upper
129	100		
127	82.0	53.3	98.9

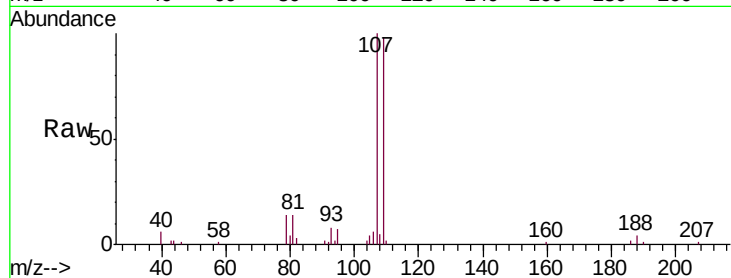




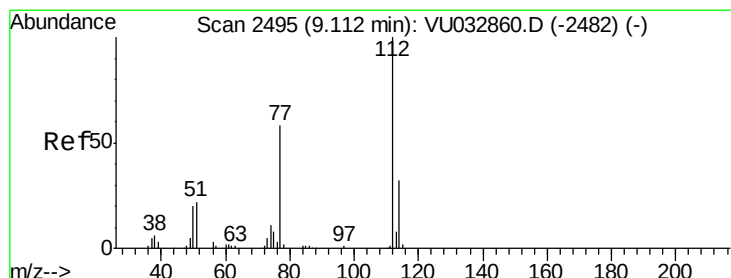
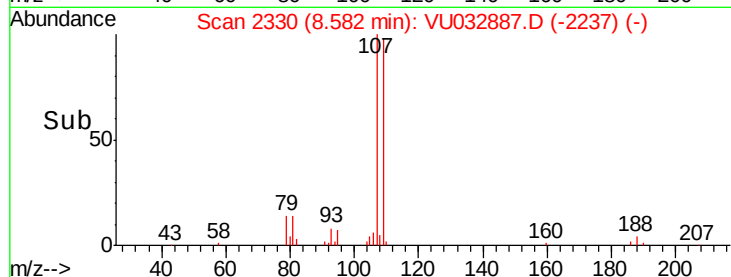
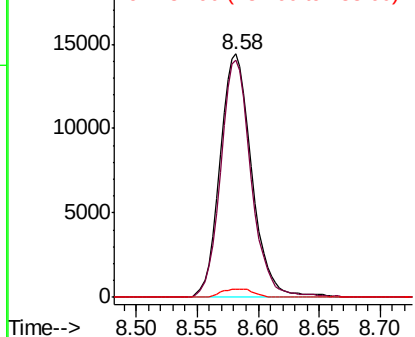
#50
1,2-Dibromoethane
Concen: 5.245 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU032887.D
Acq: 20 Jun 2019 08:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tgt Ion:107 Resp: 26389
Ion Ratio Lower Upper
107 100
109 97.6 65.2 121.0
188 3.5 3.1 4.7

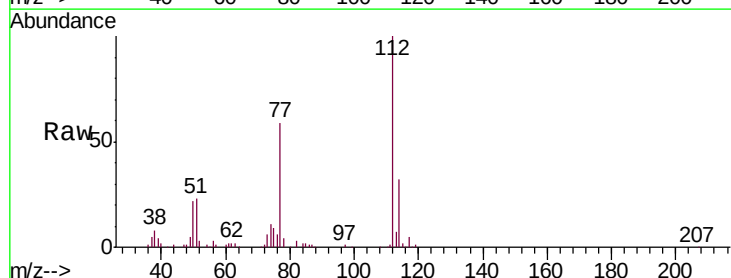


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

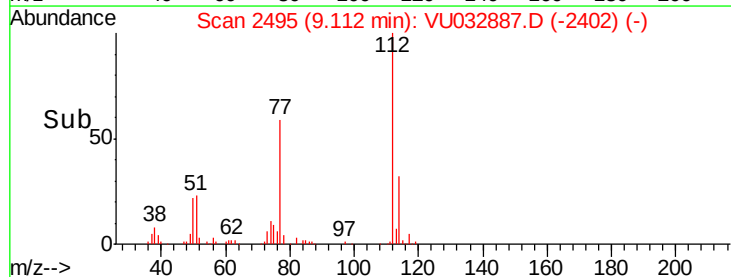
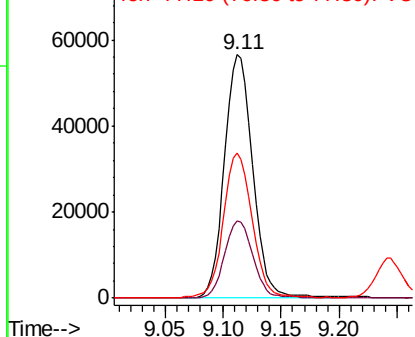


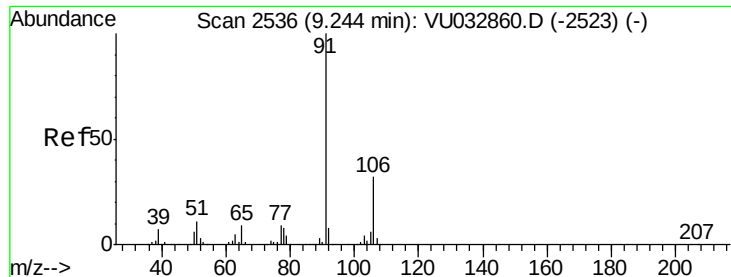
#51
Chlorobenzene
Concen: 5.108 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032887.D
Acq: 20 Jun 2019 08:54

Tgt Ion:112 Resp: 95727
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 59.4 46.5 69.7



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: 4.959 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

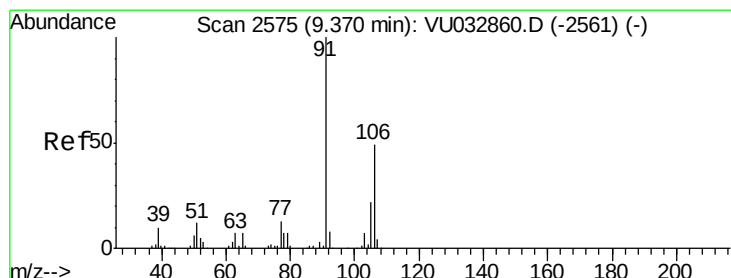
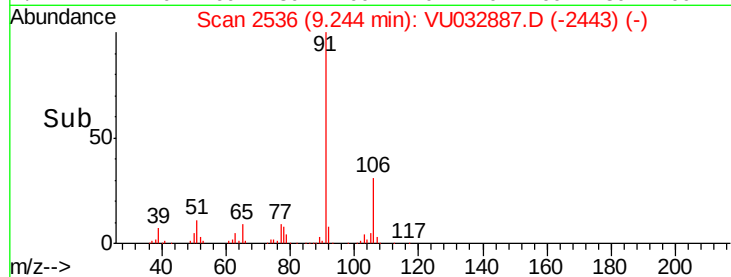
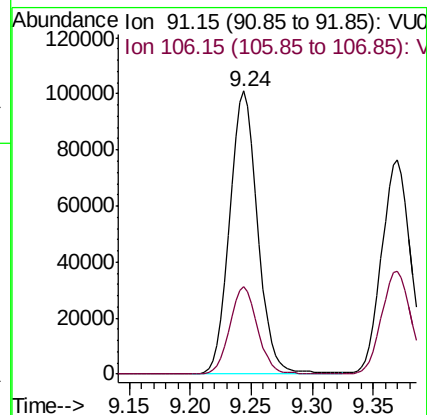
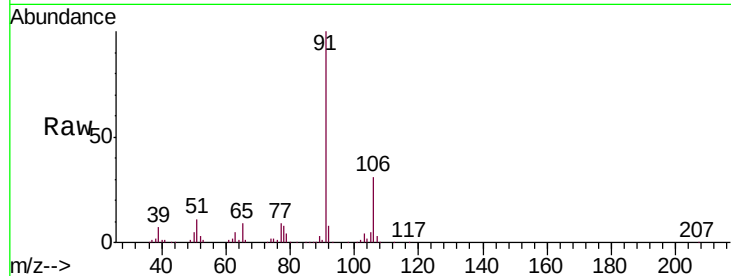
VSTD00501

Tgt Ion: 91 Resp: 163357

Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.6



#53

m,p-Xylene

Concen: 4.971 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032887.D

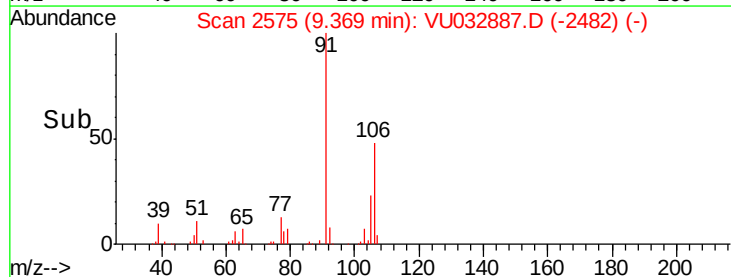
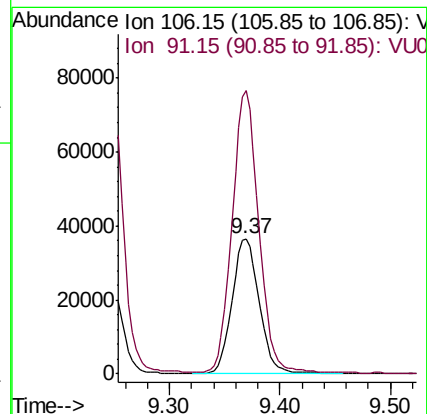
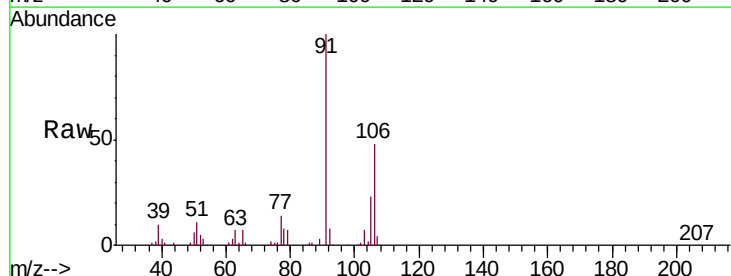
Acq: 20 Jun 2019 08:54

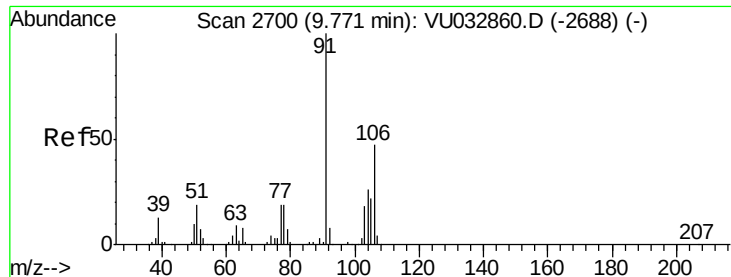
Tgt Ion: 106 Resp: 62071

Ion Ratio Lower Upper

106 100

91 208.9 142.4 264.4

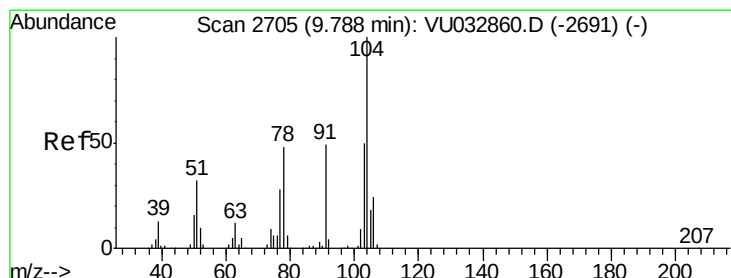
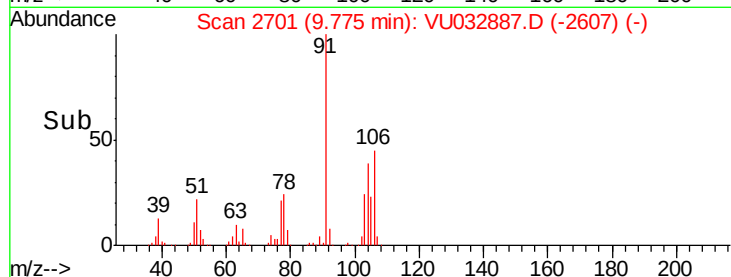
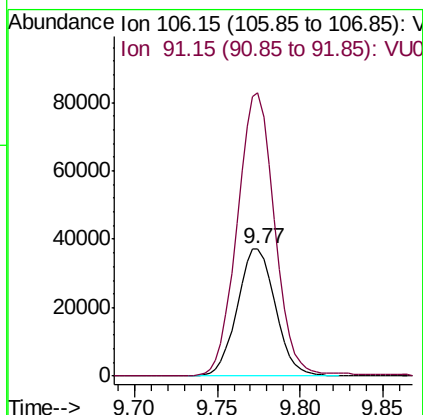
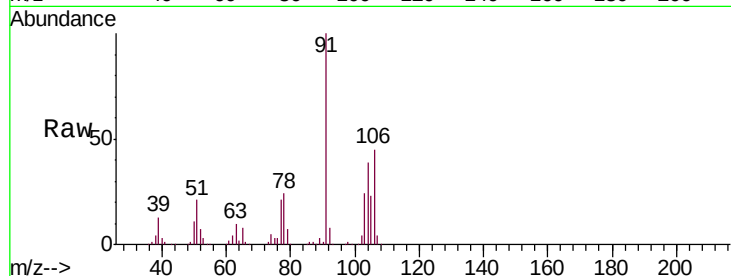




#54
o-Xylene
Concen: 4.785 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032887.D
Acq: 20 Jun 2019 08:54

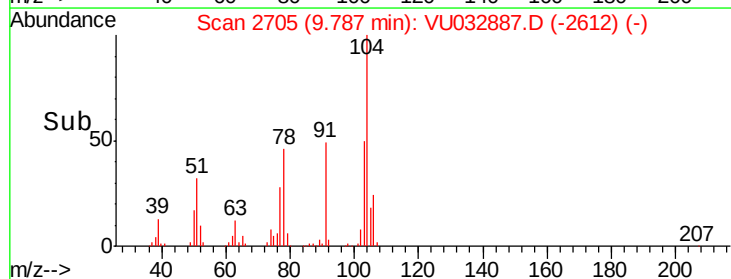
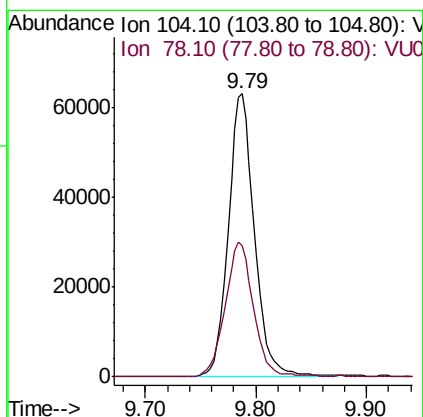
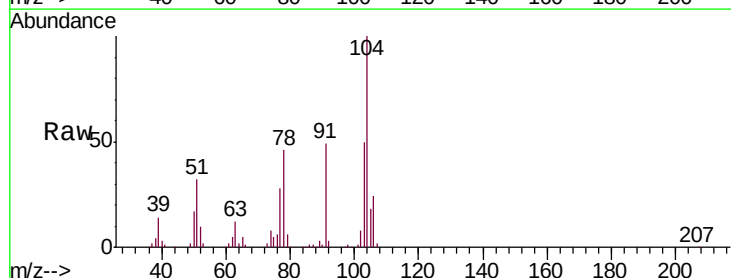
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

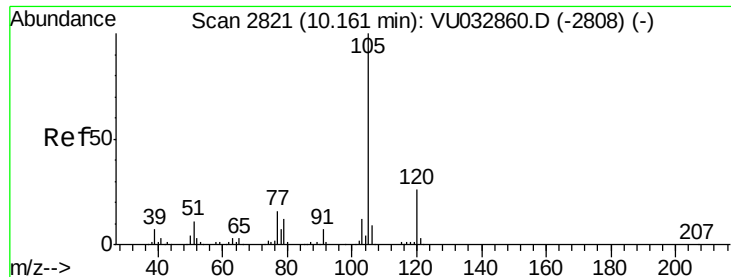
Tgt Ion:106 Resp: 59638
Ion Ratio Lower Upper
106 100
91 222.4 148.8 276.4



#55
Styrene
Concen: 5.053 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU032887.D
Acq: 20 Jun 2019 08:54

Tgt Ion:104 Resp: 103596
Ion Ratio Lower Upper
104 100
78 46.3 32.2 59.8





#56

Isopropylbenzene

Concen: 4.920 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

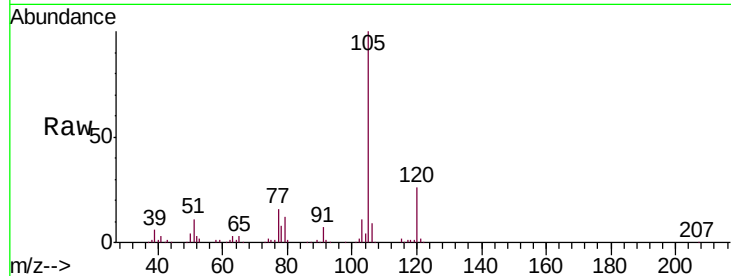
Tgt Ion: 105 Resp: 161730

Ion Ratio Lower Upper

105 100

120 26.0 21.6 32.4

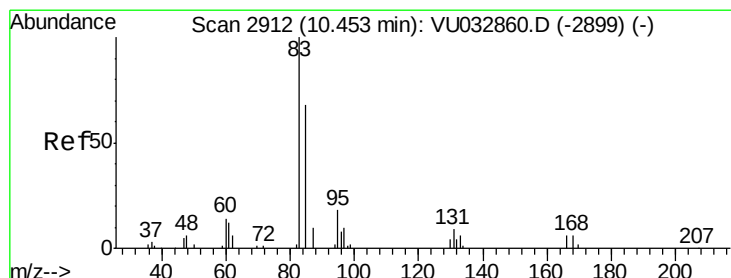
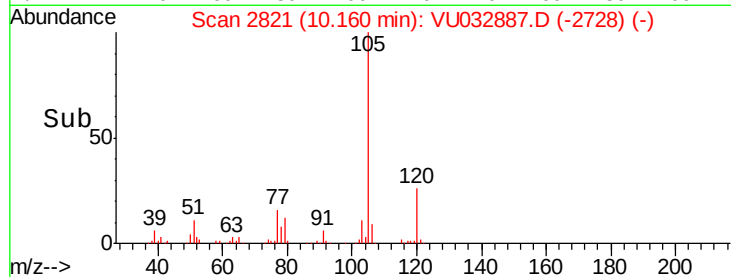
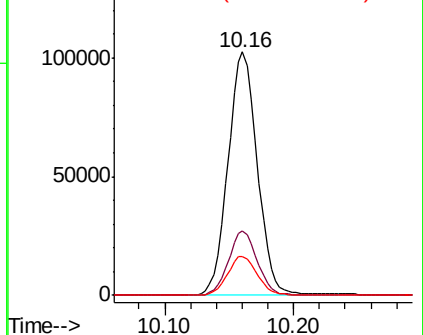
77 16.2 12.3 18.5



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: 5.509 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

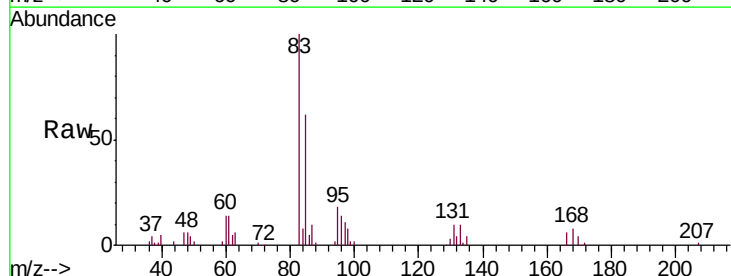
Tgt Ion: 83 Resp: 35568

Ion Ratio Lower Upper

83 100

85 62.1 45.7 84.9

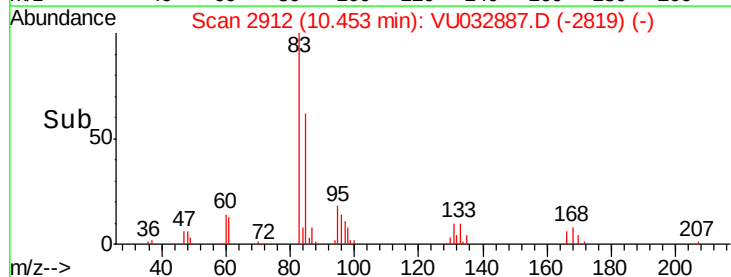
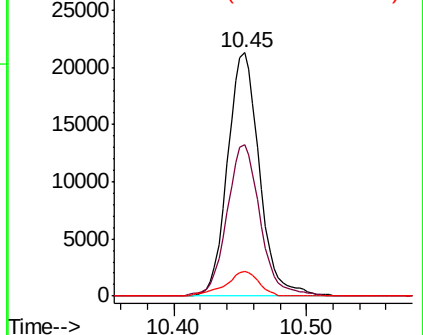
131 10.2 8.0 12.0

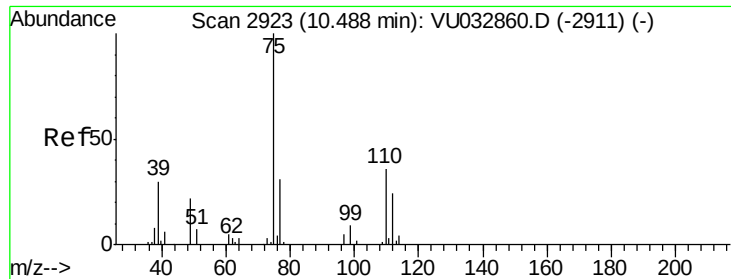


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

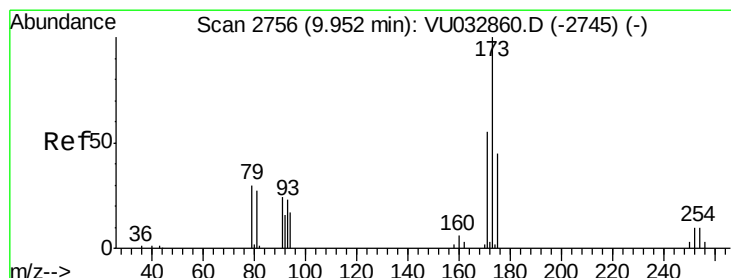
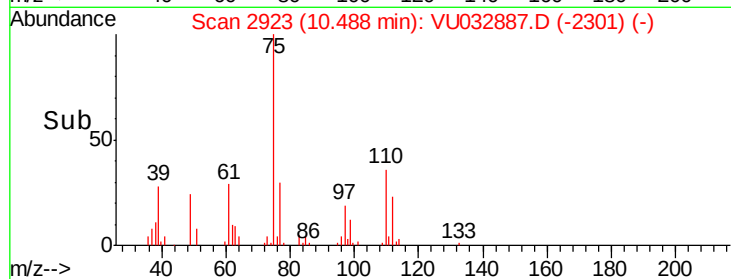
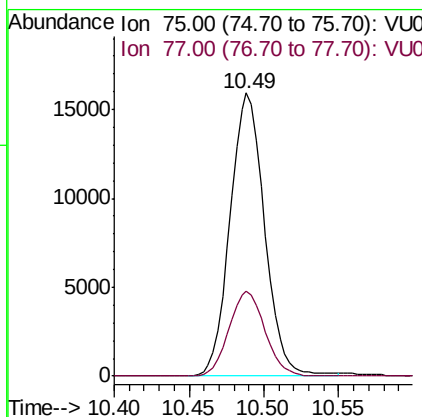
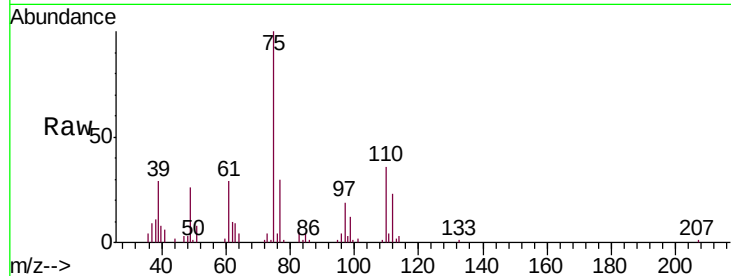




#59
 1,2,3-Trichloropropane
 Concen: 5.616 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

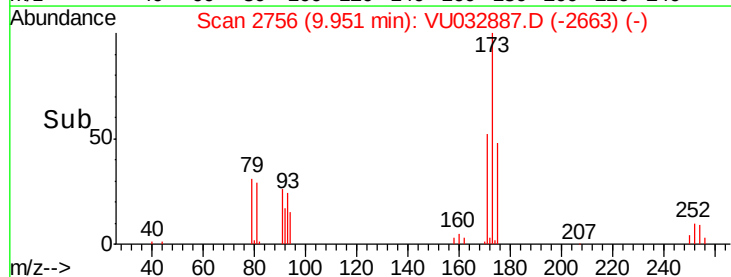
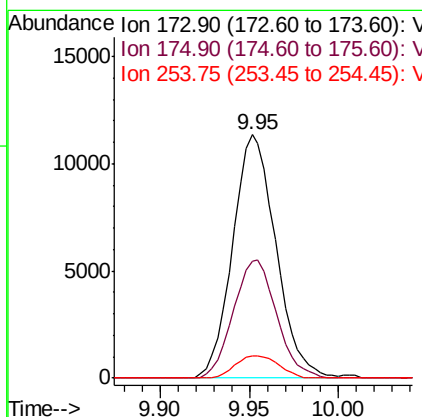
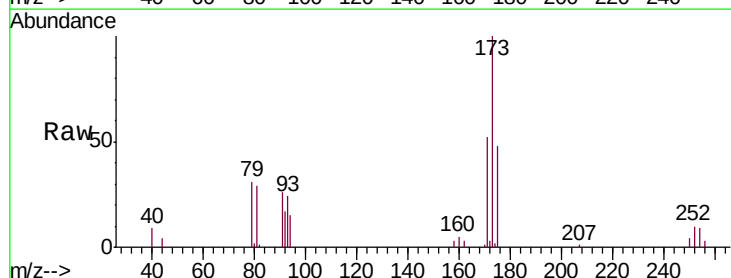
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

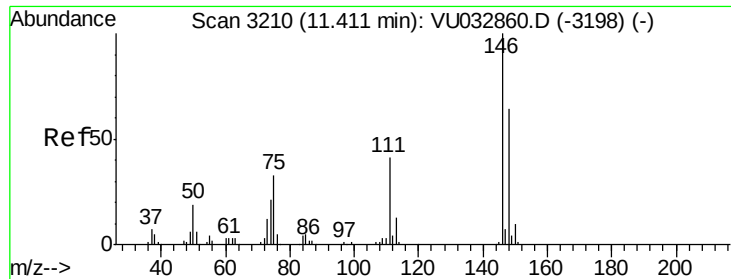
Tgt Ion: 75 Resp: 25590
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.3 37.9



#61
 Bromoform
 Concen: 4.873 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

Tgt Ion: 173 Resp: 19128
 Ion Ratio Lower Upper
 173 100
 175 48.4 37.9 56.9
 254 9.2 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 4.921 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

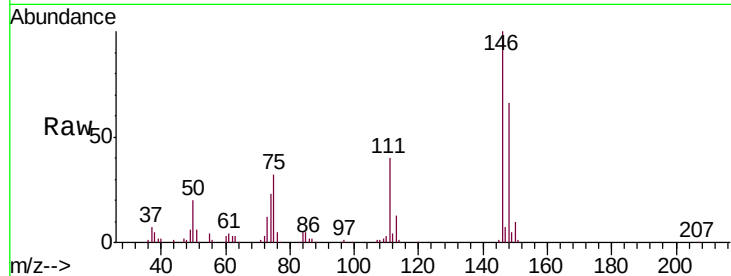
Tgt Ion:146 Resp: 78472

Ion Ratio Lower Upper

146 100

111 40.2 27.7 51.5

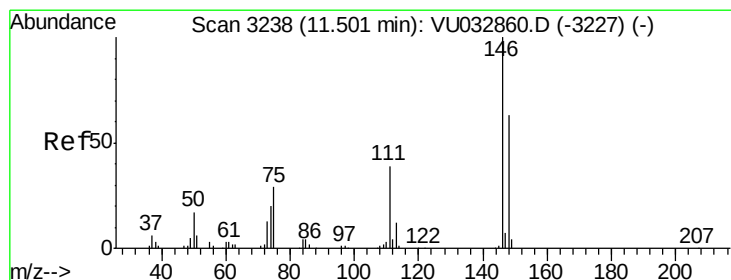
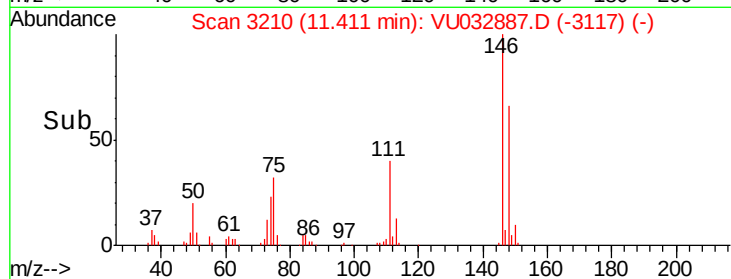
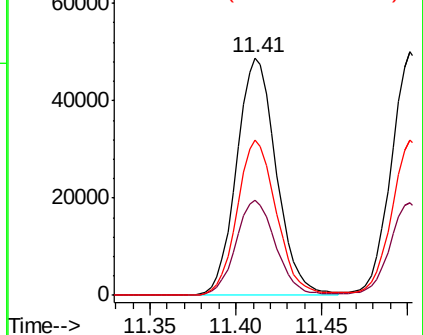
148 65.5 44.7 83.1



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



#63

1,4-Dichlorobenzene

Concen: 5.030 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

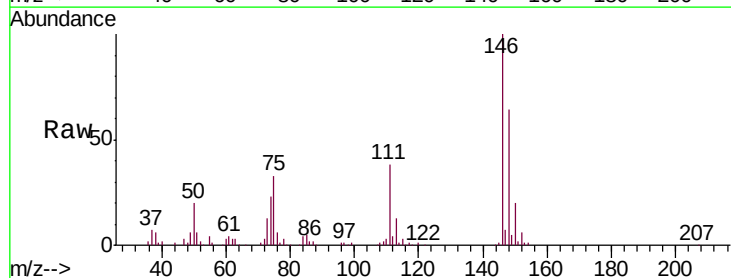
Tgt Ion:146 Resp: 81547

Ion Ratio Lower Upper

146 100

111 38.0 26.2 48.6

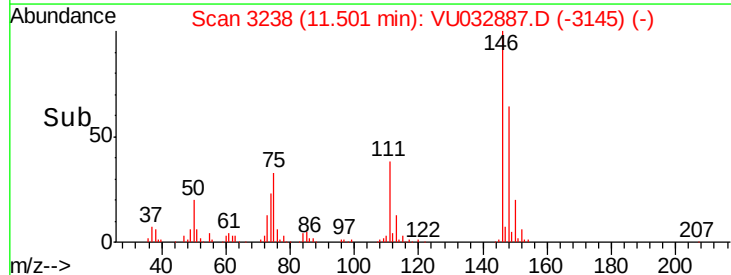
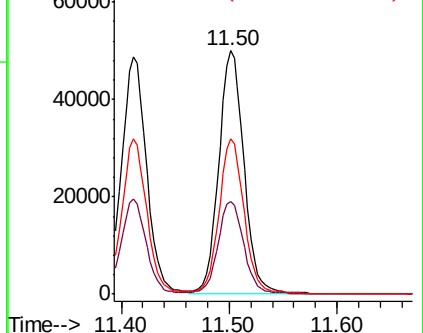
148 63.8 43.9 81.5

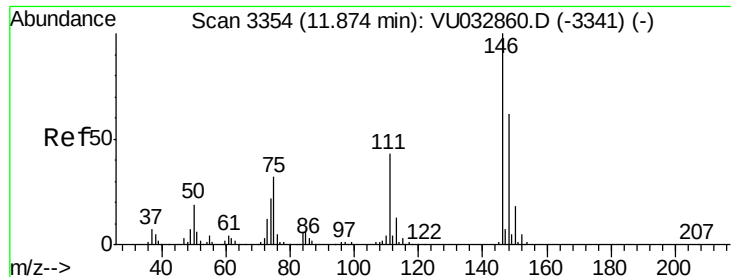


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

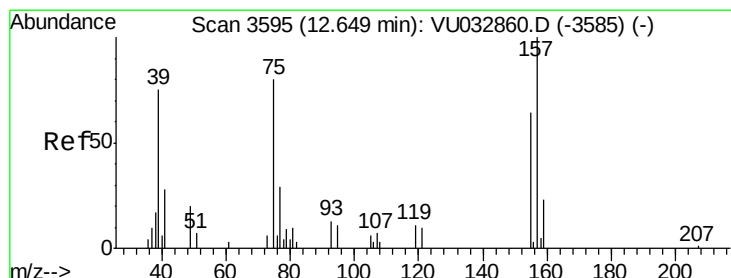
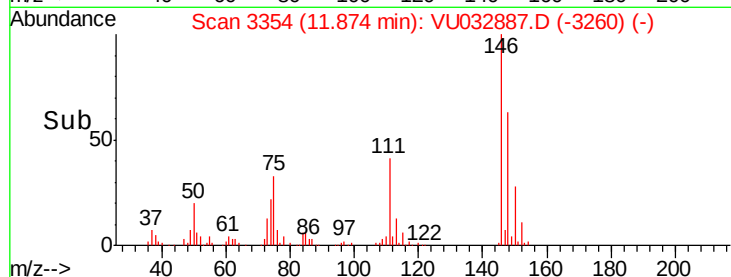
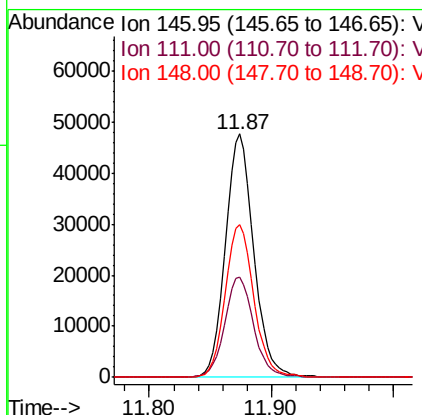
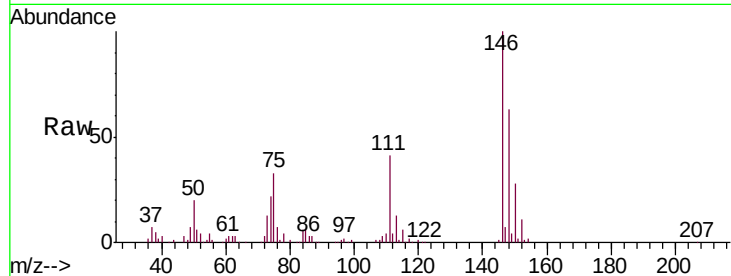




#65
 1,2-Dichlorobenzene
 Concen: 5.043 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

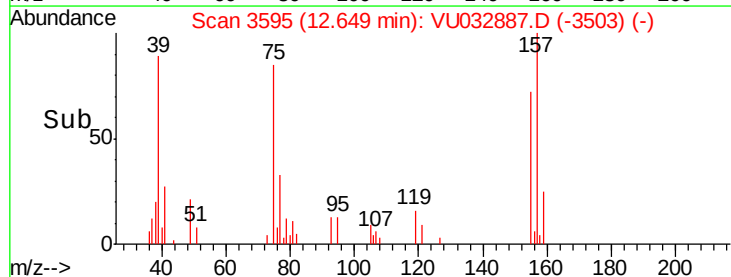
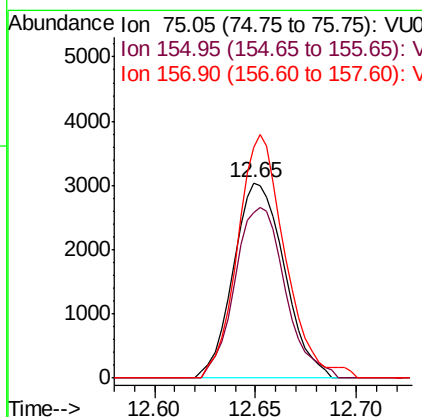
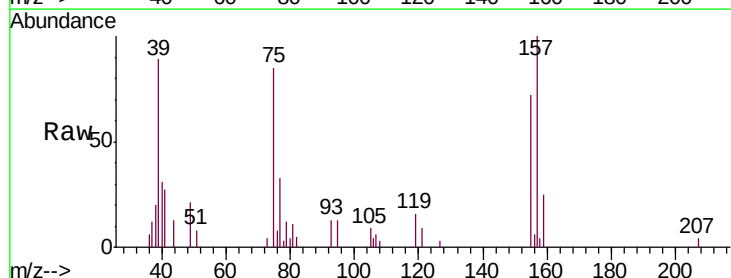
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

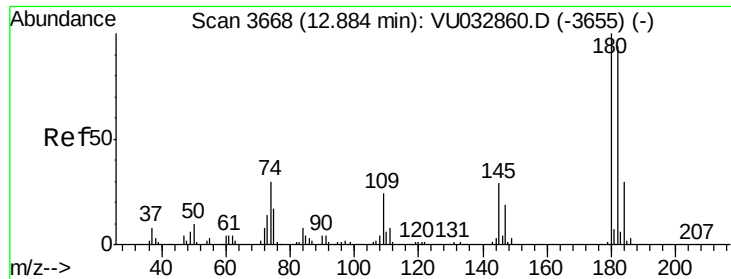
Tgt Ion:146 Resp: 77707
 Ion Ratio Lower Upper
 146 100
 111 41.0 33.0 49.4
 148 62.9 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.959 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

Tgt Ion: 75 Resp: 5365
 Ion Ratio Lower Upper
 75 100
 155 85.0 72.3 108.5
 157 118.1 87.4 131.0

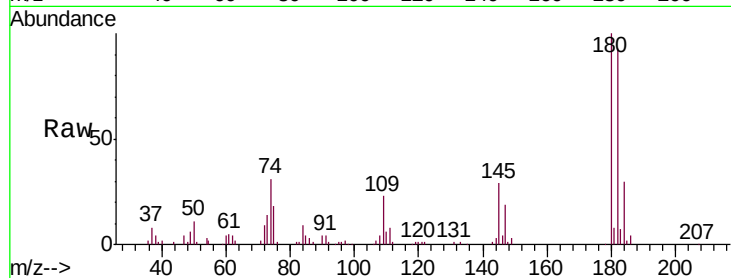




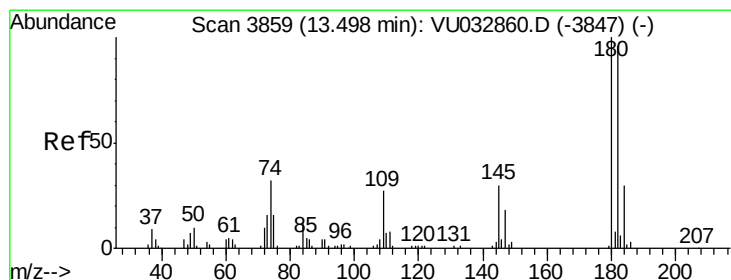
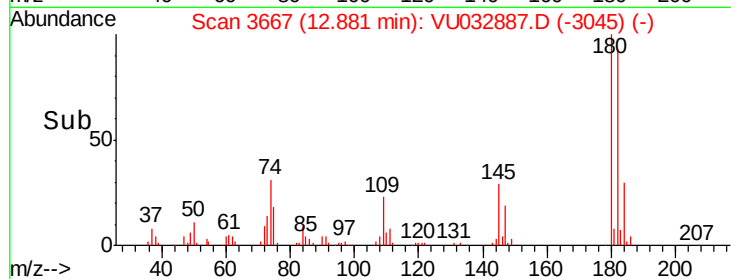
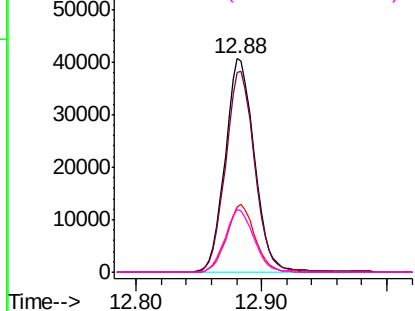
#67
 1,3,5-Trichlorobenzene
 Concen: 5.144 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion:180 Resp: 65749
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.6 115.0
 184 30.4 24.2 36.4
 145 28.9 23.5 35.3

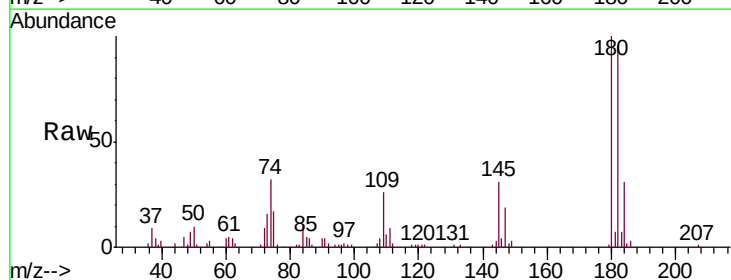


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

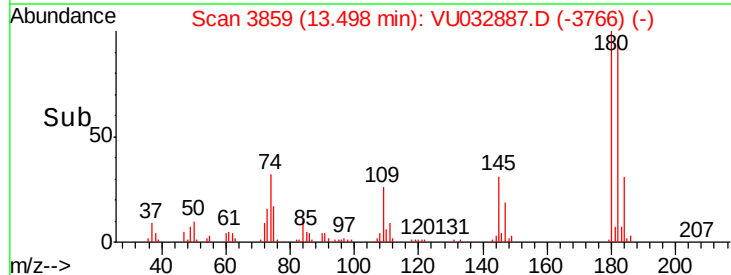
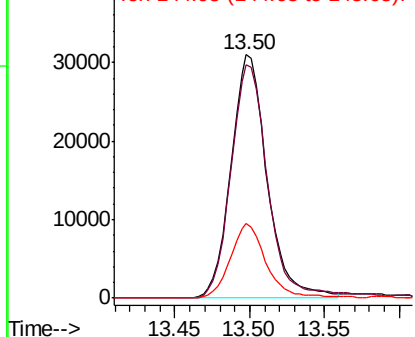


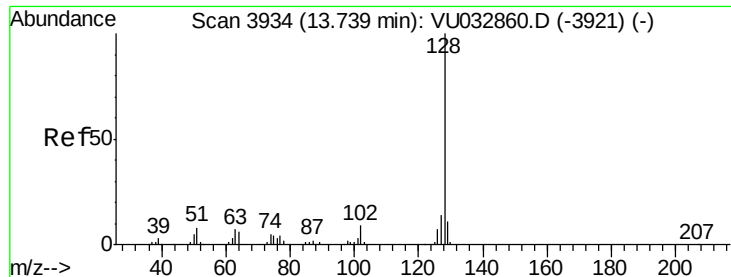
#68
 1,2,4-trichlorobenzene
 Concen: 5.054 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032887.D
 Acq: 20 Jun 2019 08:54

Tgt Ion:180 Resp: 52088
 Ion Ratio Lower Upper
 180 100
 182 99.1 74.8 112.2
 145 30.6 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: 4.717 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

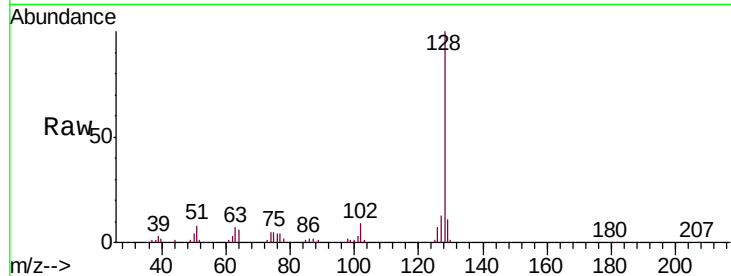
Tgt Ion:128 Resp: 85210

Ion Ratio Lower Upper

128 100

129 9.9 8.1 12.1

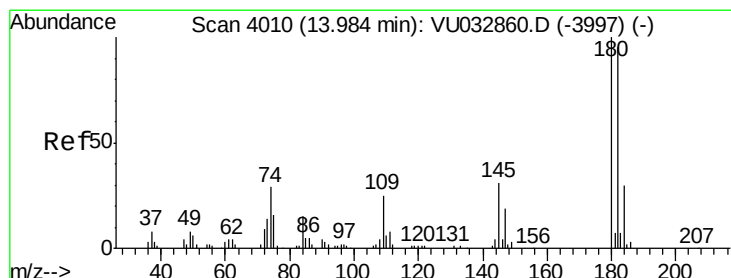
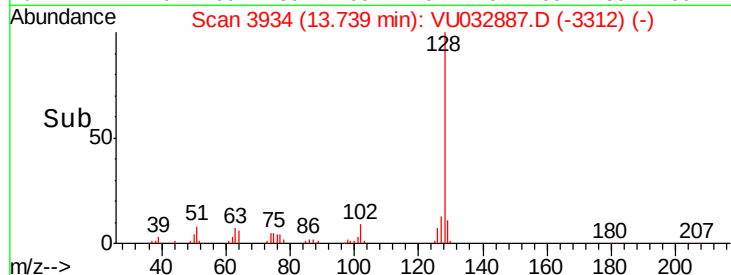
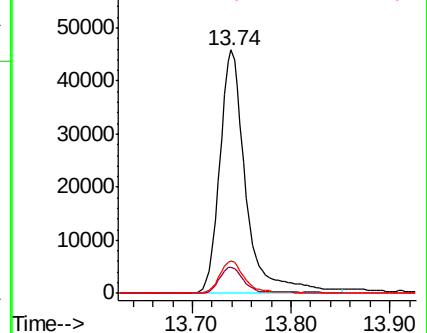
127 12.5 10.4 15.6



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: 4.872 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU032887.D

Acq: 20 Jun 2019 08:54

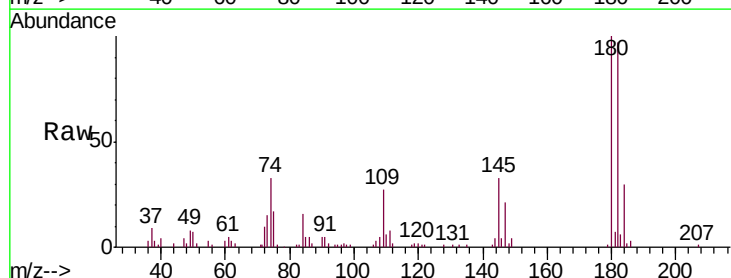
Tgt Ion:180 Resp: 50000

Ion Ratio Lower Upper

180 100

182 95.4 73.8 110.6

145 32.4 25.3 37.9



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

