

Data File : VU032772.D
Acq On : 17 Jun 2019 11:03
Operator : JC/SP
Sample : VSTD01032
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

Quant Time: Jun 18 01:38:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 01:34:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	207018	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	198747	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	103504	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	14298	10.52	ug/L	0.00
7) Chloroethane-d5	1.68	69	11459	10.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	28795	10.77	ug/L	0.00
21) 2-Butanone-d5	4.17	46	22524	19.98	ug/L	0.00
24) Chloroform-d	4.64	84	27958	10.93	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	18999	11.64	ug/L	0.00
32) Benzene-d6	5.33	84	51632	9.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	16483	10.07	ug/L	0.00
41) Toluene-d8	7.56	98	47685	9.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	8287	10.52	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	14126	18.30	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	25020	10.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	20263	10.20	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	21905	11.423 ug/L	100
3) Chloromethane	1.32	50	19875	10.917 ug/L	100
5) Vinyl chloride	1.40	62	19601	10.738 ug/L	99
6) Bromomethane	1.62	94	11236	10.402 ug/L	95
8) Chloroethane	1.69	64	11458	10.627 ug/L	99
9) Trichlorofluoromethane	1.88	101	27458	11.031 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	14568	11.275 ug/L	97
12) 1,1-Dichloroethene	2.28	96	13726	11.021 ug/L	86
13) Acetone	2.32	43	35633	28.621 ug/L	99
14) Carbon disulfide	2.47	76	43110	11.323 ug/L	99
15) Methyl Acetate	2.61	43	19521	11.661 ug/L	96
16) Methylene chloride	2.69	84	16596	11.619 ug/L	92
17) trans-1,2-Dichloroethene	2.98	96	14560	10.811 ug/L	93
18) Methyl tert-butyl Ether	2.99	73	46067	10.422 ug/L	97
19) 1,1-Dichloroethane	3.44	63	28014	11.254 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	15911	10.490 ug/L	99
22) 2-Butanone	4.26	43	34630	24.321 ug/L	99
23) Bromochloromethane	4.54	128	8688	11.003 ug/L	97
25) Chloroform	4.67	83	28993	11.302 ug/L	93
27) 1,2-Dichloroethane	5.40	62	22954	11.177 ug/L	99
29) Cyclohexane	4.99	56	23256	9.847 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	25254	11.090 ug/L	99
31) Carbon tetrachloride	5.13	117	22897	10.946 ug/L	97
33) Benzene	5.38	78	59484	10.586 ug/L	100
34) Trichloroethene	6.18	95	15813	10.367 ug/L	98
35) Methylcyclohexane	6.41	83	23395	9.529 ug/L	99
37) 1,2-Dichloropropane	6.43	63	16635	11.047 ug/L	100
38) Bromodichloromethane	6.75	83	22822	11.721 ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	23717	10.045 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	51124	21.416 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	63512	10.333	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	22659	10.707	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	15570	11.040	ug/L	99
46) Tetrachloroethene	8.22	164	12997	10.342	ug/L	98
48) 2-Hexanone	8.36	43	44155	22.143	ug/L	99
49) Dibromochloromethane	8.47	129	18014	10.908	ug/L	100
50) 1,2-Dibromoethane	8.58	107	16850	10.620	ug/L #	97
51) Chlorobenzene	9.12	112	42186	10.646	ug/L	98
52) Ethylbenzene	9.24	91	67695	9.904	ug/L	99
53) m,p-Xylene	9.37	106	25411	9.793	ug/L	98
54) o-xylene	9.77	106	24735	9.621	ug/L	100
55) Styrene	9.79	104	42181	9.774	ug/L	96
56) Isopropylbenzene	10.16	105	66811	9.847	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	27363	11.282	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	21768	11.177	ug/L	100
61) Bromoform	9.95	173	13791	10.975	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	32966	10.502	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	34039	10.531	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	34480	10.847	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	6487	11.940	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	26238	10.685	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	20516	9.871	ug/L	95
69) Naphthalene	13.74	128	62725	9.621	ug/L	96
70) 1,2,3-Trichlorobenzene	13.98	180	22085	10.141	ug/L	94

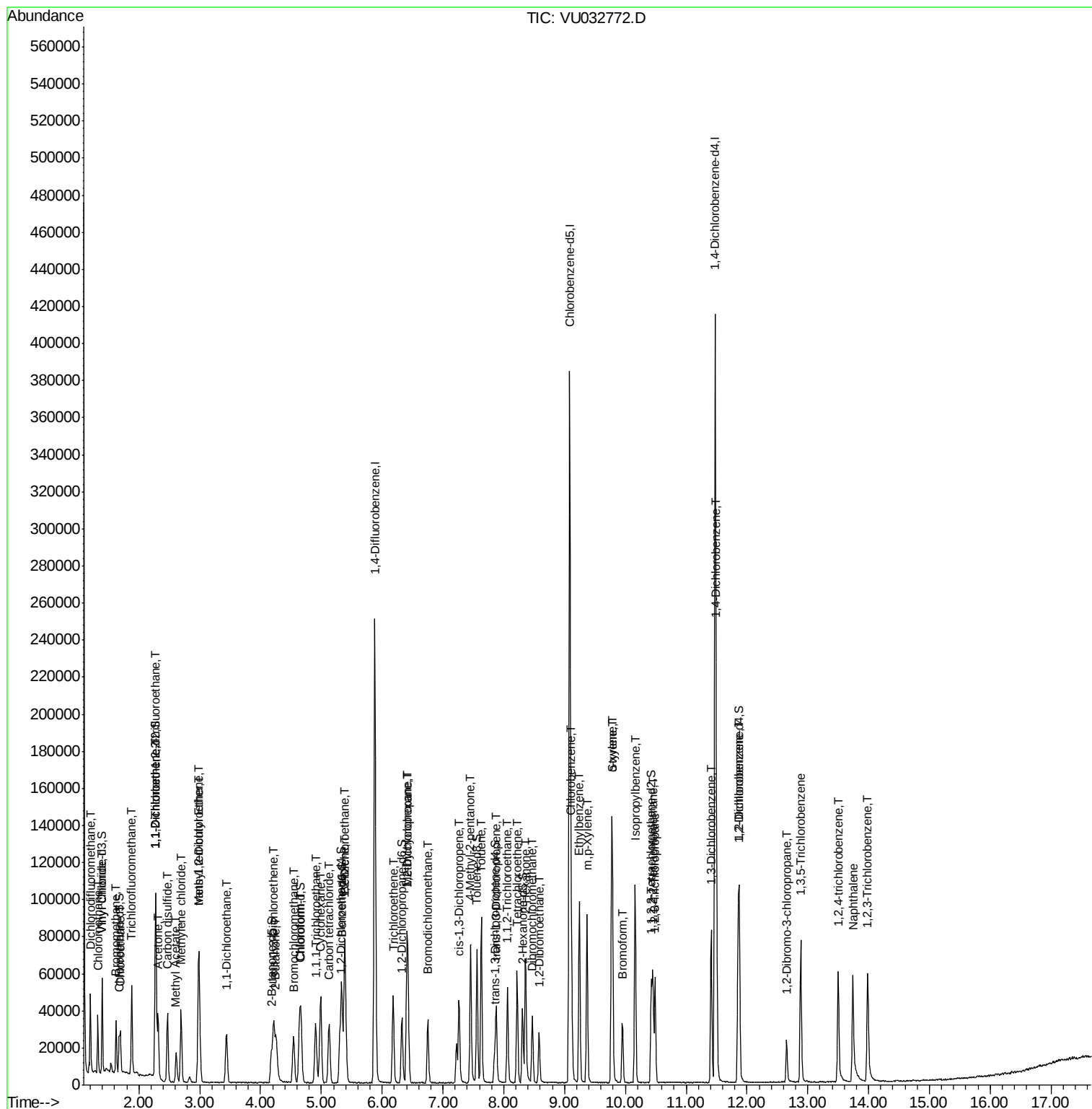
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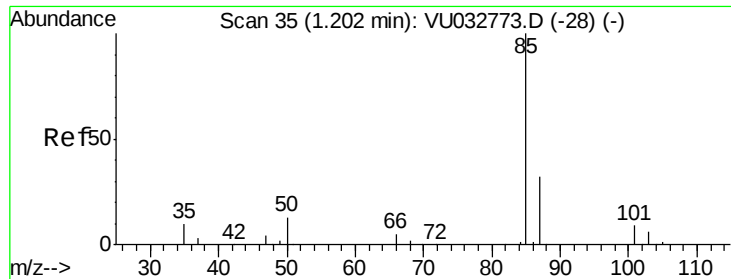
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#2

Dichlorodifluoromethane

Concen: 11.423 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

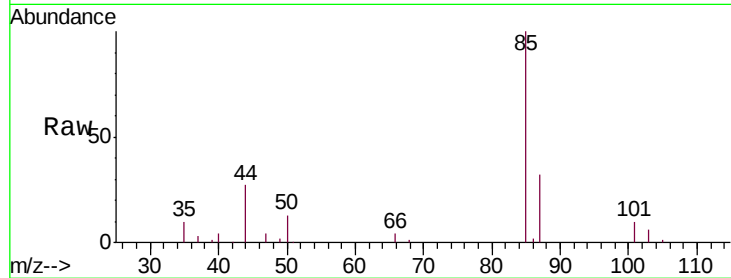
VSTD01032

Tgt Ion: 85 Resp: 21905

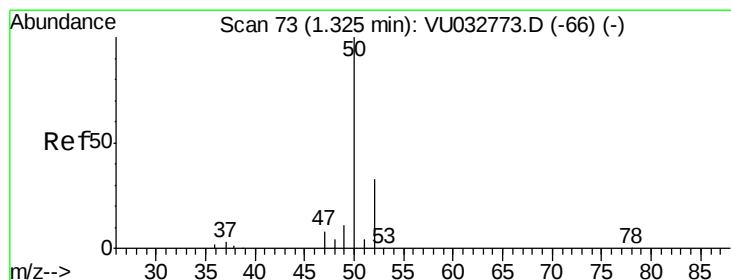
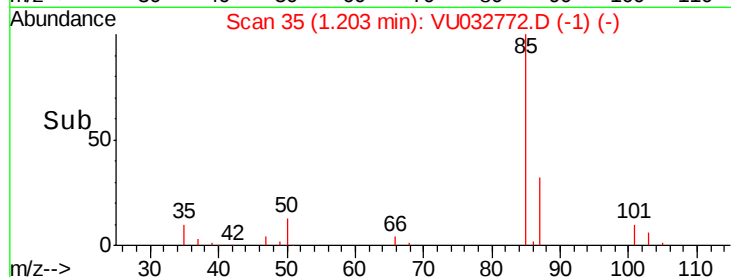
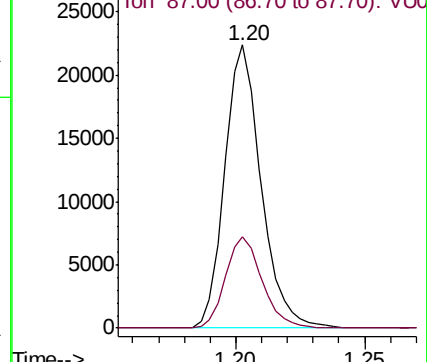
Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032772.D (-1) (-)



#3

Chloromethane

Concen: 10.917 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032772.D

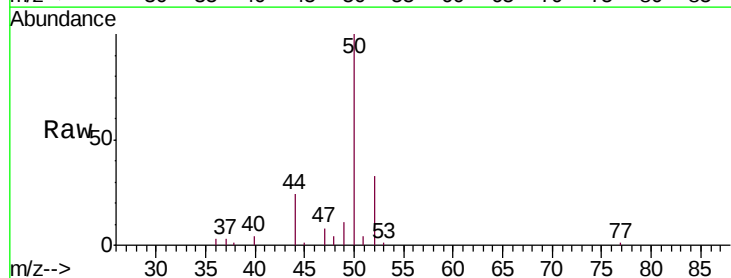
Acq: 17 Jun 2019 11:03

Tgt Ion: 50 Resp: 19875

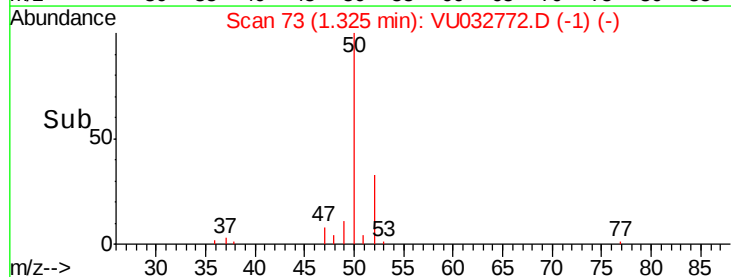
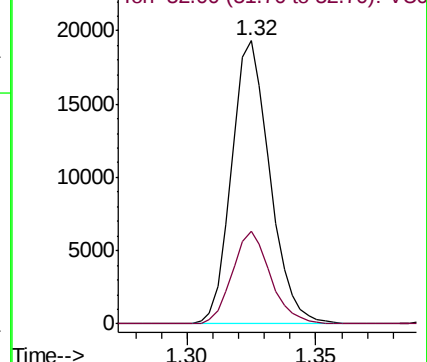
Ion Ratio Lower Upper

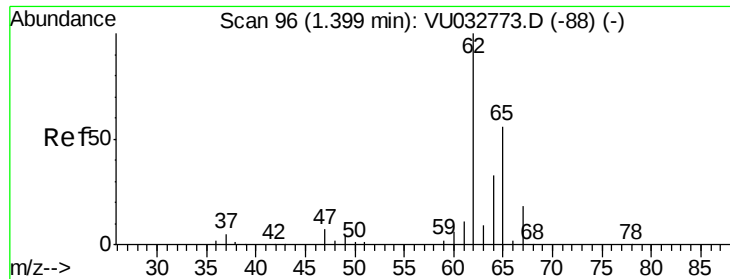
50 100

52 32.6 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032772.D (-1) (-)





#5

Vinyl chloride

Concen: 10.738 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

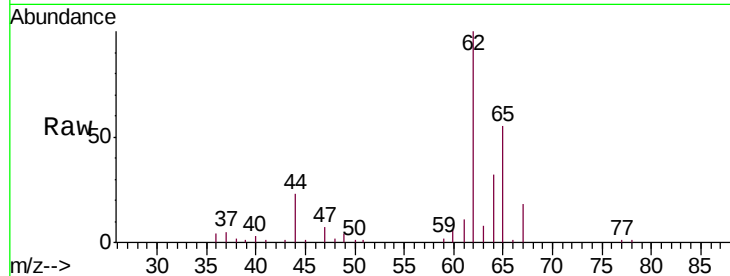
VSTD01032

Tgt Ion: 62 Resp: 19601

Ion Ratio Lower Upper

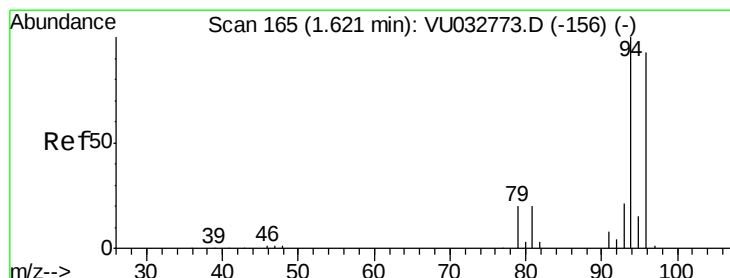
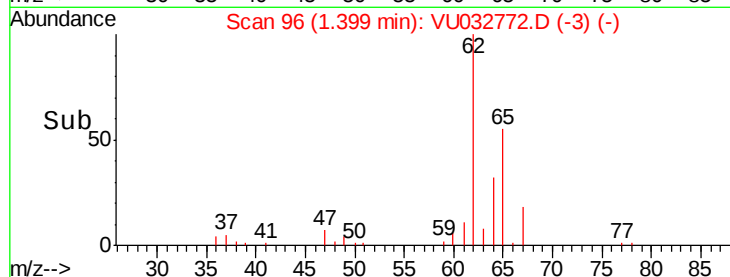
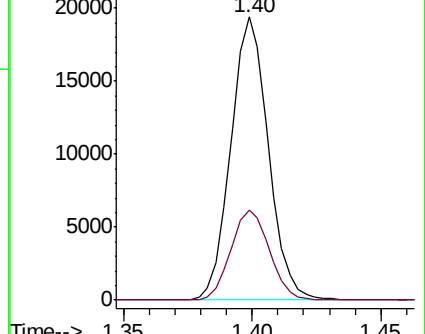
62 100

64 32.0 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 10.402 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU032772.D

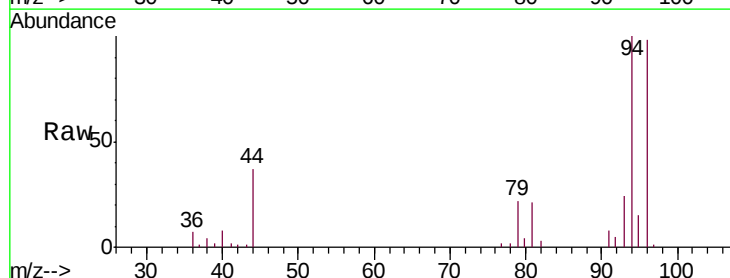
Acq: 17 Jun 2019 11:03

Tgt Ion: 94 Resp: 11236

Ion Ratio Lower Upper

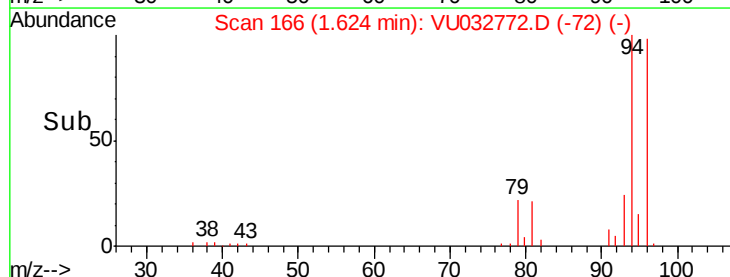
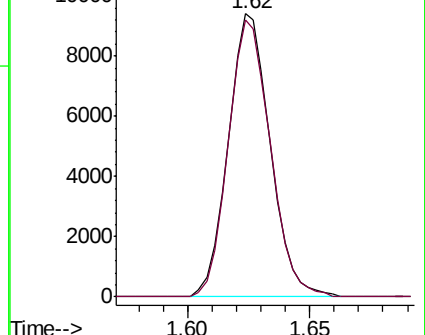
94 100

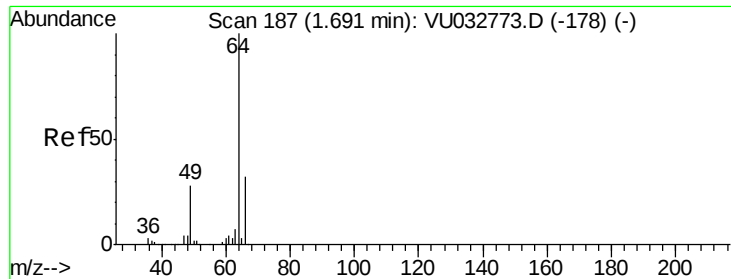
96 97.9 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 10.627 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

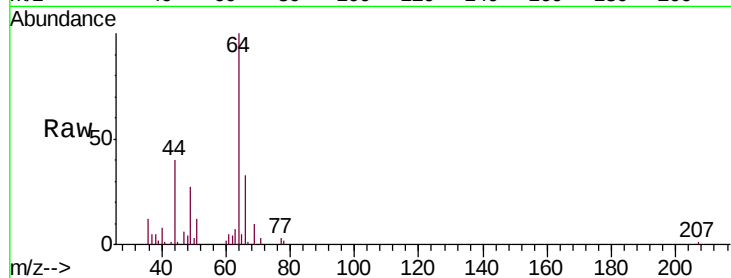
VSTD01032

Tgt Ion: 64 Resp: 11458

Ion Ratio Lower Upper

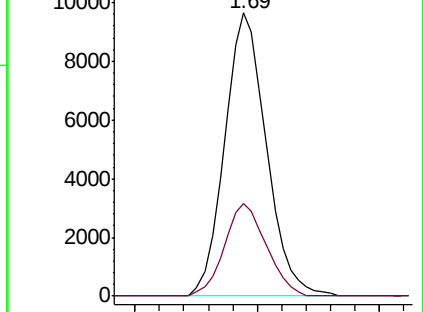
64 100

66 32.7 22.5 41.7

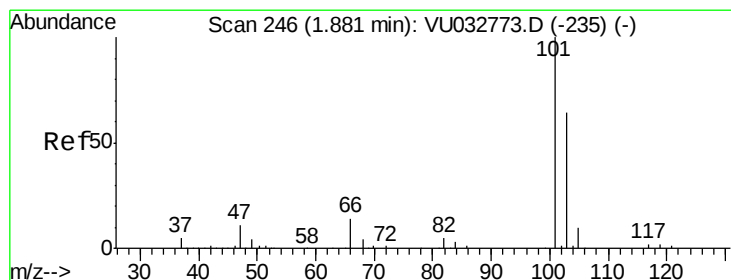
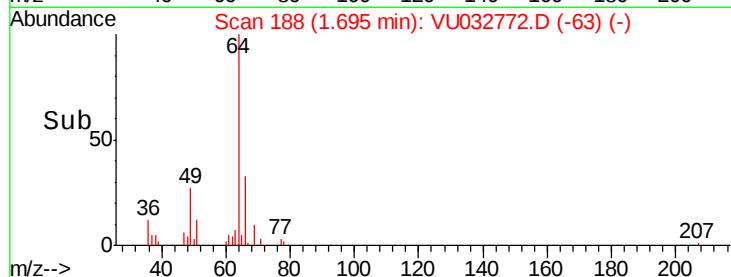


Abundance Ion 64.00 (63.70 to 64.70): VU032772.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU032772.D (-178) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 11.031 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032772.D

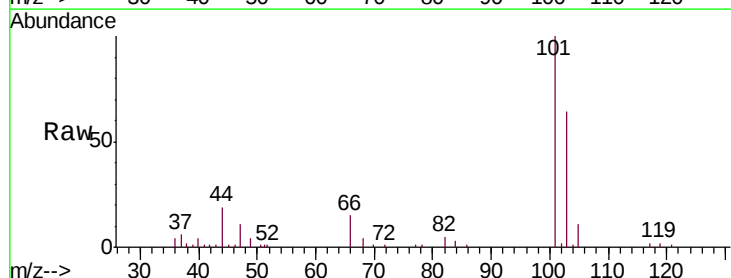
Acq: 17 Jun 2019 11:03

Tgt Ion: 101 Resp: 27458

Ion Ratio Lower Upper

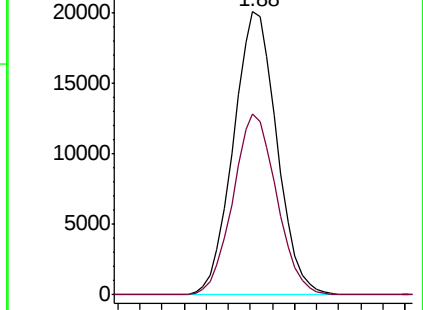
101 100

103 64.3 51.3 76.9

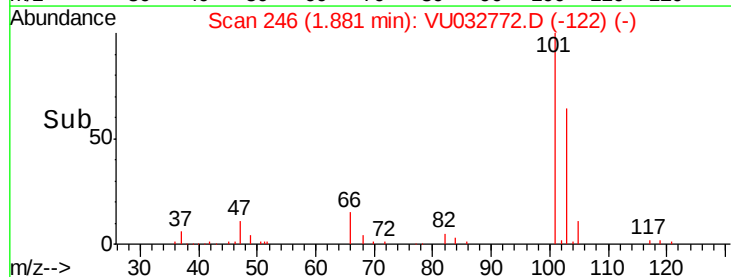


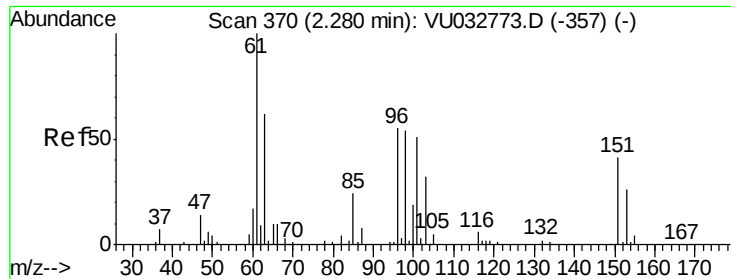
Abundance Ion 101.00 (100.70 to 101.70): VU032772.D (-122) (-)

Ion 103.00 (102.70 to 103.70): VU032772.D (-122) (-)



Time-->





#10

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

Concen: 11.275 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01032

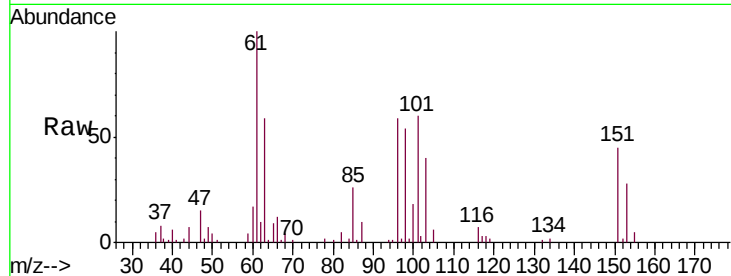
Tgt Ion:101 Resp: 14568

Ion Ratio Lower Upper

101 100

85 45.8 36.8 55.2

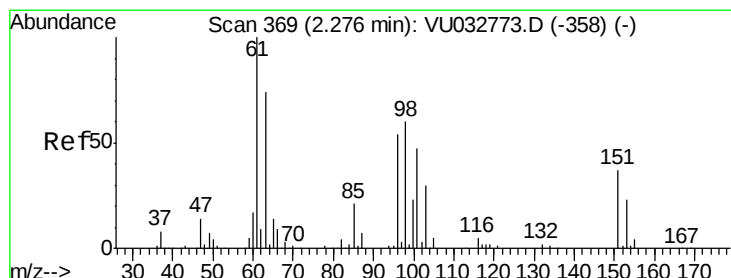
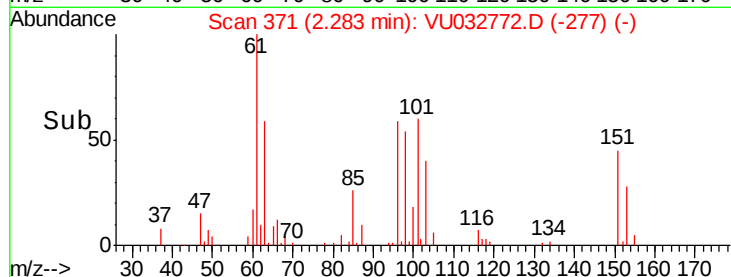
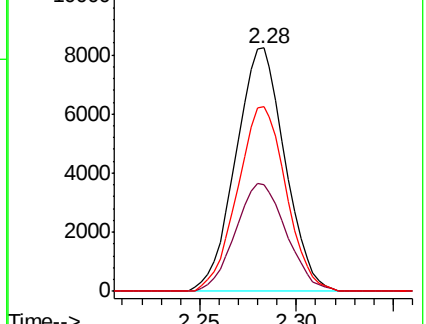
151 75.0 63.6 95.4



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: 11.021 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

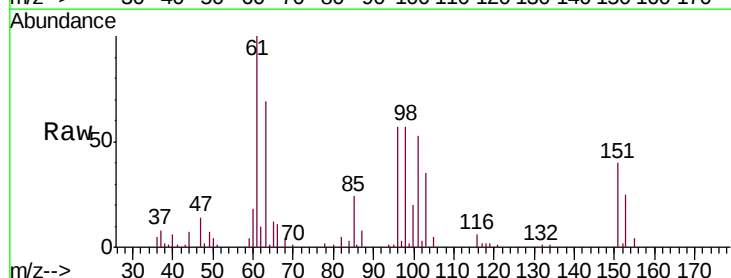
Tgt Ion: 96 Resp: 13726

Ion Ratio Lower Upper

96 100

61 174.2 131.0 243.4

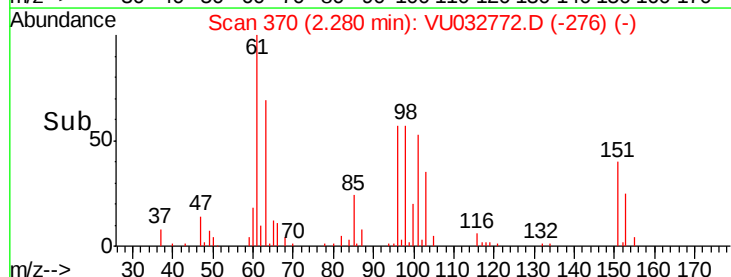
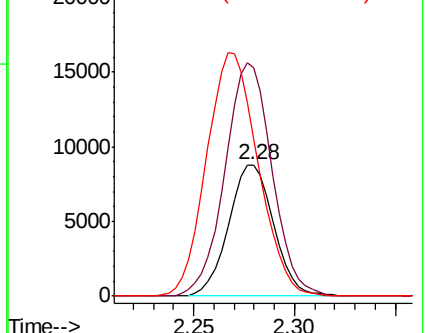
63 119.5 101.0 187.6

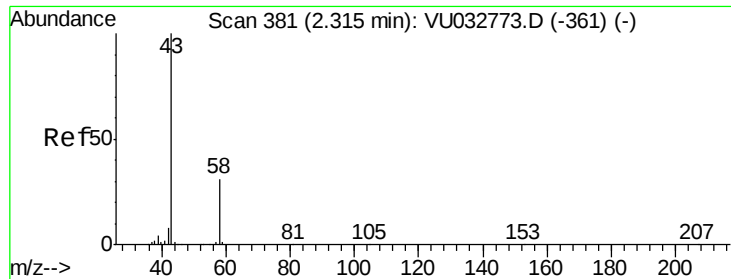


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 28.621 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

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ClientSampleId :

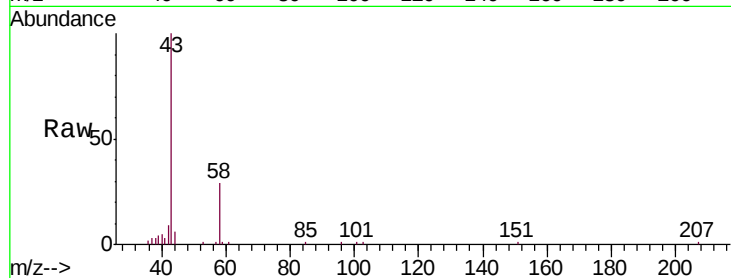
VSTD01032

Tgt Ion: 43 Resp: 35633

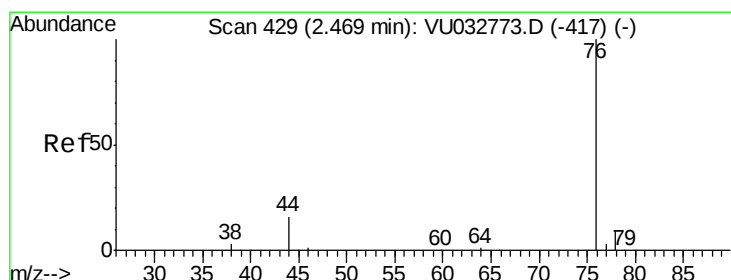
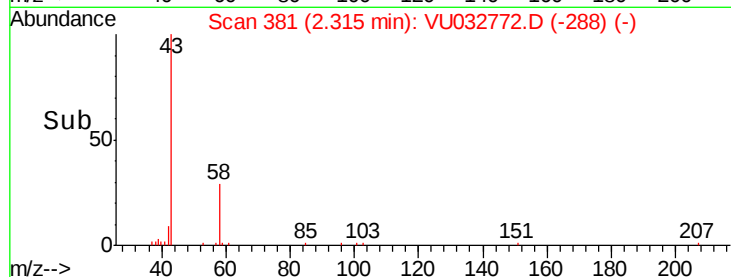
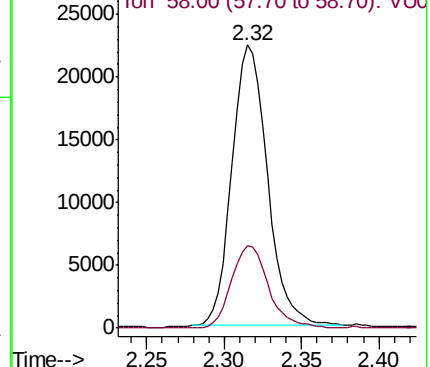
Ion Ratio Lower Upper

43 100

58 30.7 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032772.D (-361) (-)



#14

Carbon disulfide

Concen: 11.323 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032772.D

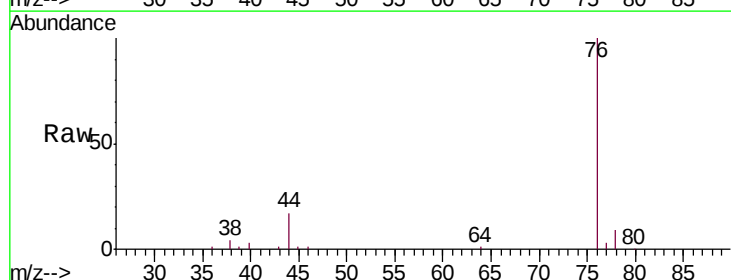
Acq: 17 Jun 2019 11:03

Tgt Ion: 76 Resp: 43110

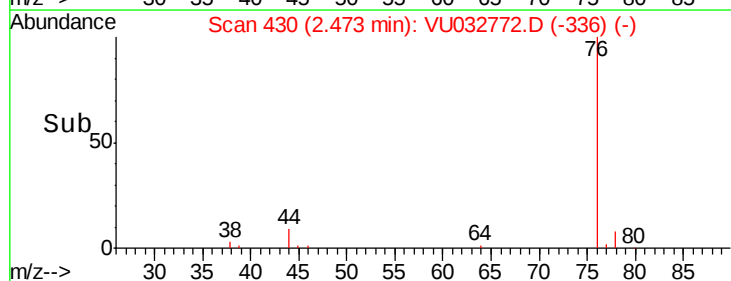
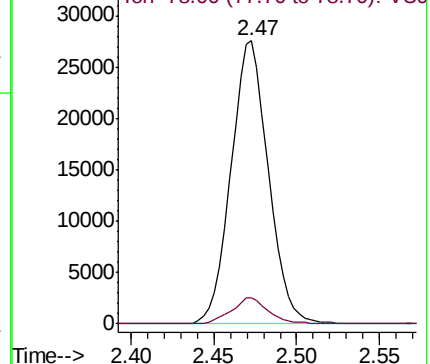
Ion Ratio Lower Upper

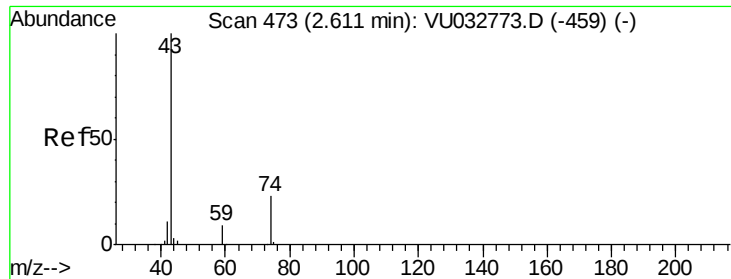
76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU032772.D (-336) (-)

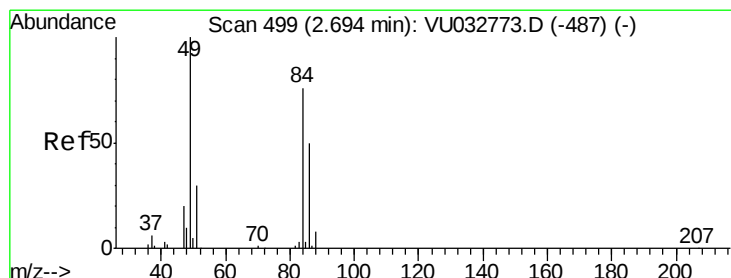
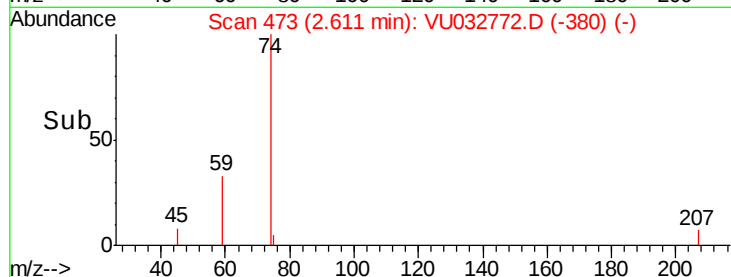
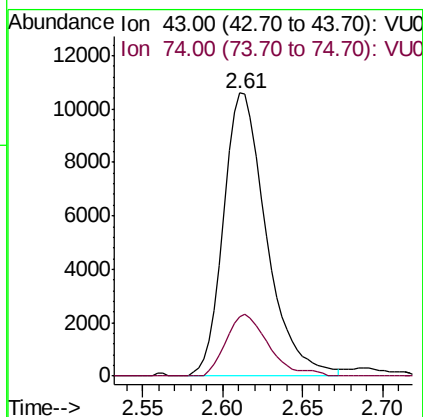
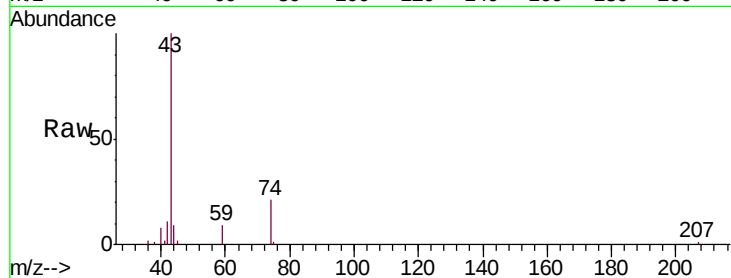




#15
Methyl Acetate
Concen: 11.661 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU032772.D
Acq: 17 Jun 2019 11:03

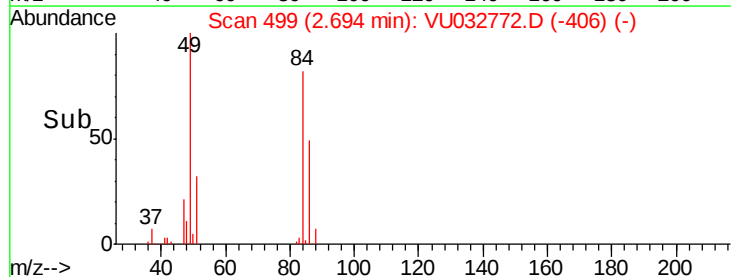
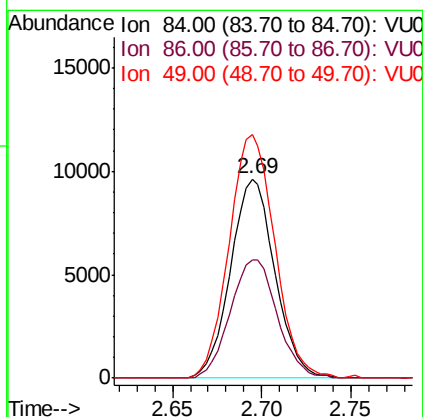
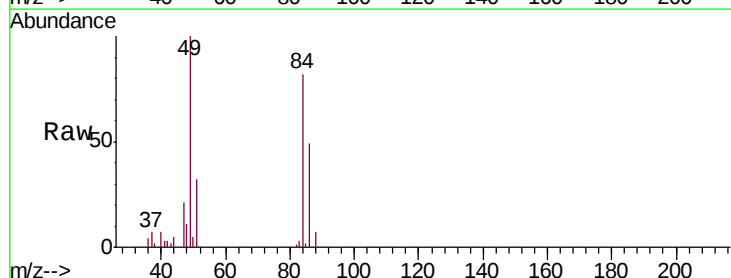
Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

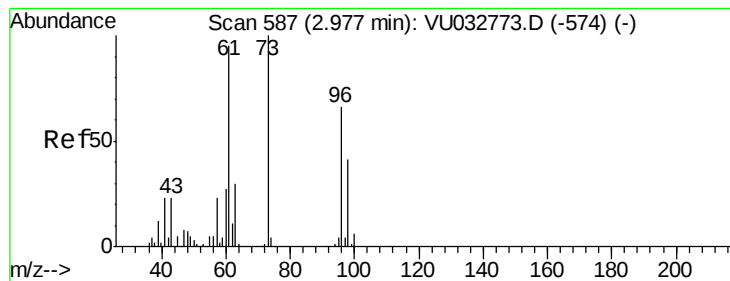
Tgt Ion: 43 Resp: 19521
Ion Ratio Lower Upper
43 100
74 20.5 18.1 27.1



#16
Methylene chloride
Concen: 11.619 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032772.D
Acq: 17 Jun 2019 11:03

Tgt Ion: 84 Resp: 16596
Ion Ratio Lower Upper
84 100
86 59.7 45.5 84.5
49 122.3 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 10.811 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01032

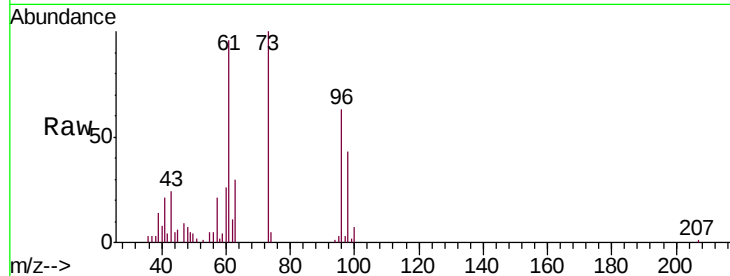
Tgt Ion: 96 Resp: 14560

Ion Ratio Lower Upper

96 100

61 152.9 100.9 187.5

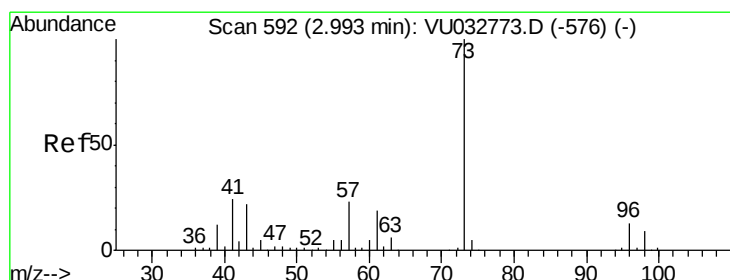
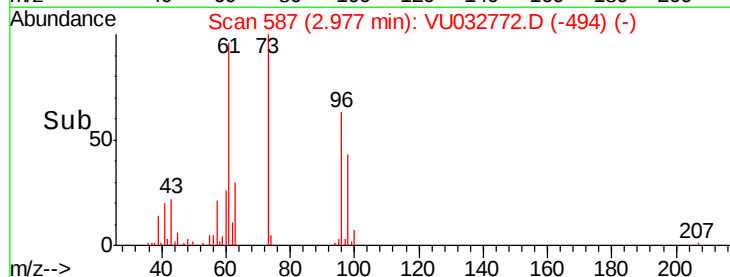
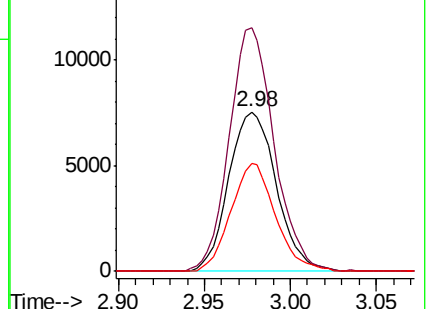
98 68.1 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032773.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU032773.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU032773.D (-574) (-)



#18

Methyl tert-butyl Ether

Concen: 10.422 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

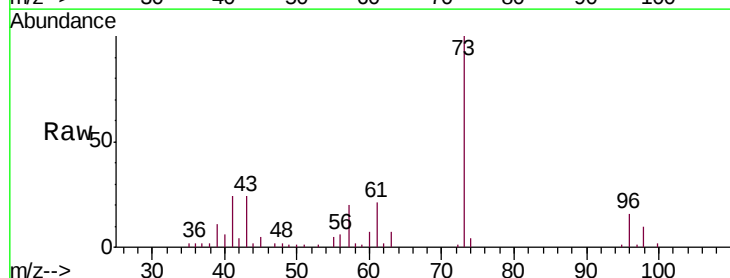
Tgt Ion: 73 Resp: 46067

Ion Ratio Lower Upper

73 100

43 24.0 17.8 26.8

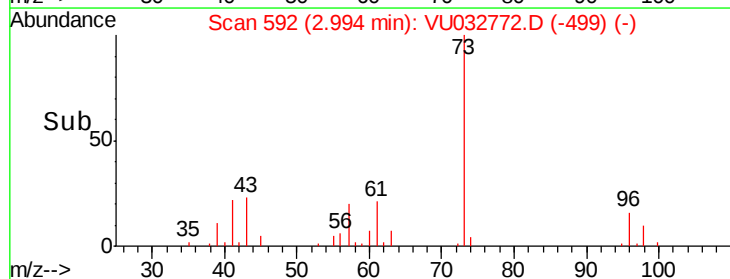
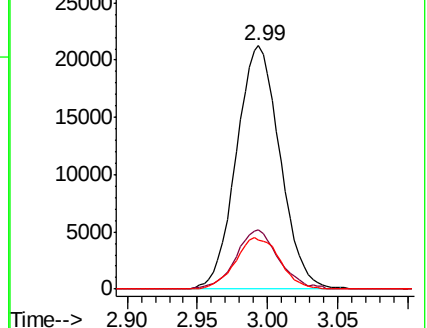
57 21.4 17.8 26.6

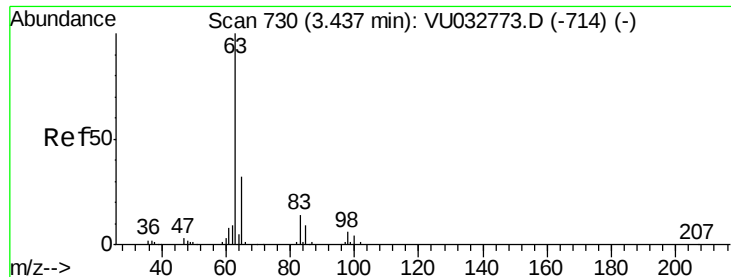


Abundance Ion 73.00 (72.70 to 73.70): VU032773.D (-576) (-)

Ion 43.00 (42.70 to 43.70): VU032773.D (-576) (-)

Ion 57.00 (56.70 to 57.70): VU032773.D (-576) (-)

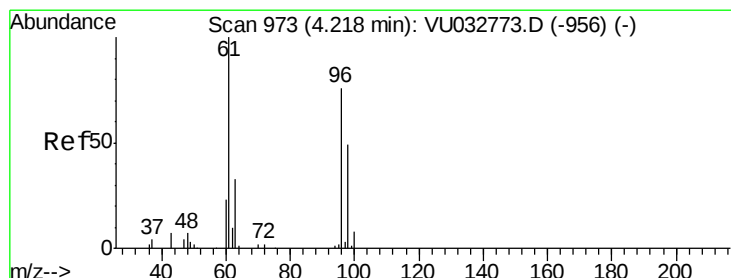
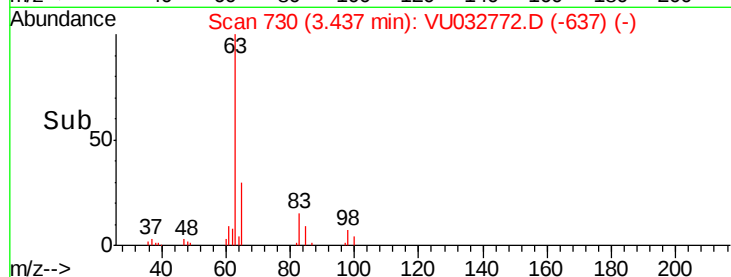
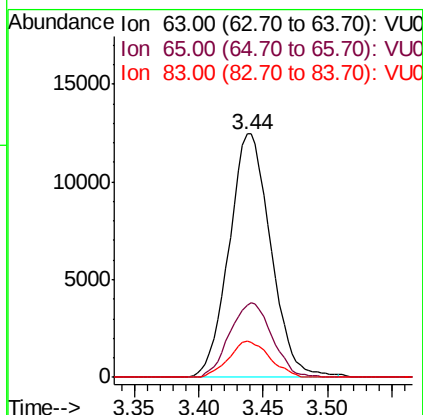
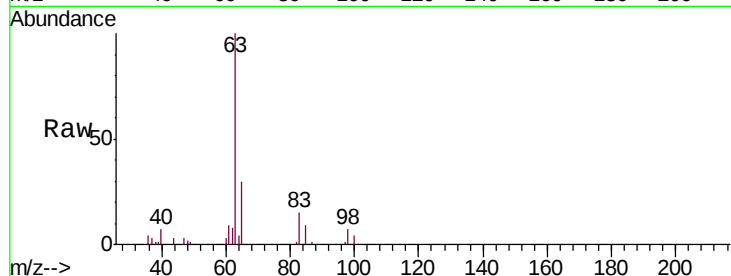




#19
 1,1-Dichloroethane
 Concen: 11.254 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU032772.D
 Acq: 17 Jun 2019 11:03

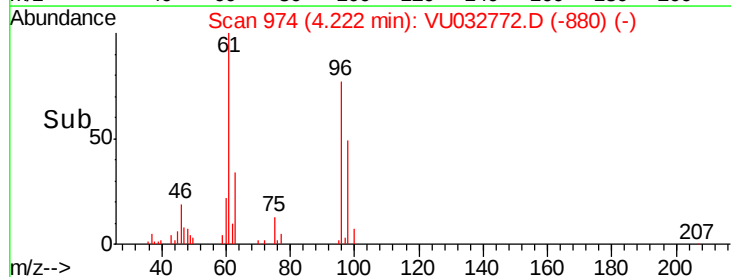
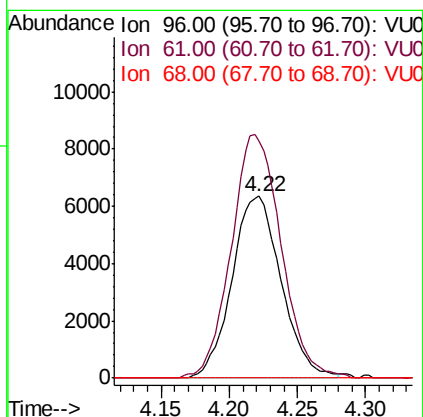
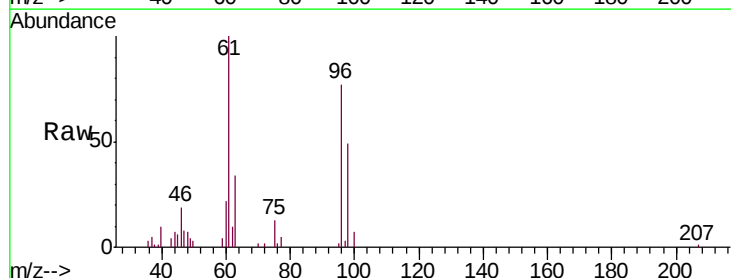
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

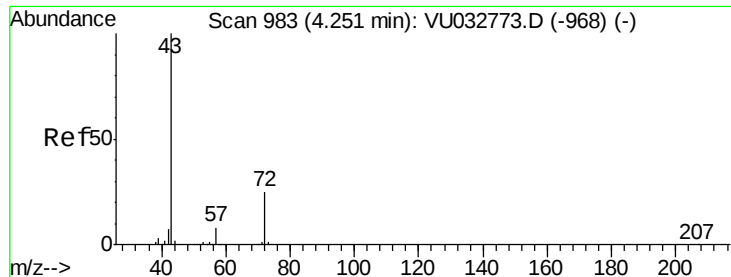
Tgt Ion: 63 Resp: 28014
 Ion Ratio Lower Upper
 63 100
 65 29.8 22.0 41.0
 83 14.8 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 10.490 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU032772.D
 Acq: 17 Jun 2019 11:03

Tgt Ion: 96 Resp: 15911
 Ion Ratio Lower Upper
 96 100
 61 130.6 92.4 171.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 24.321 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.01 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

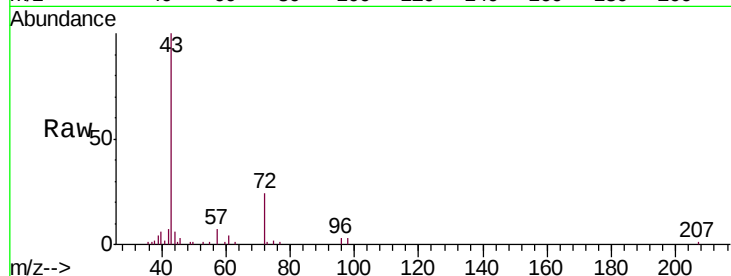
VSTD01032

Tgt Ion: 43 Resp: 34630

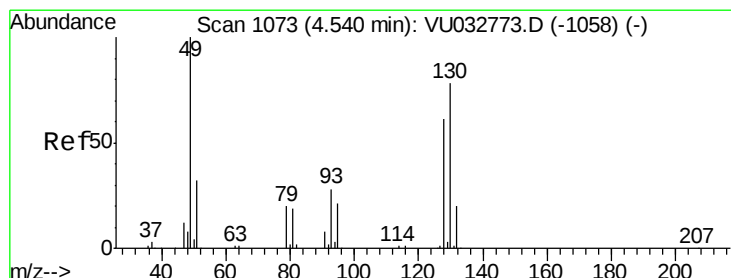
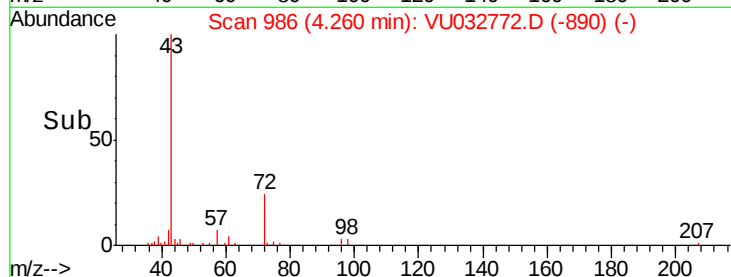
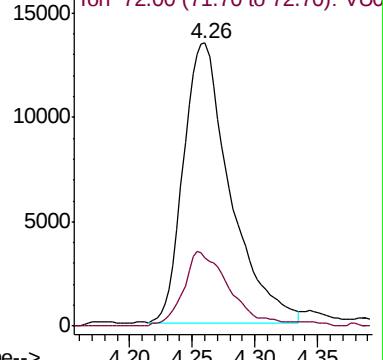
Ion Ratio Lower Upper

43 100

72 25.4 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU032772.D (-890) (-)



#23

Bromochloromethane

Concen: 11.003 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Tgt Ion: 128 Resp: 8688

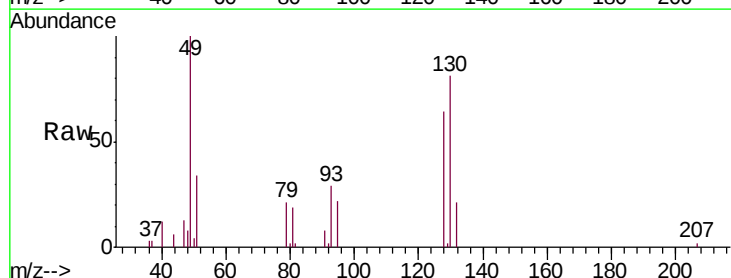
Ion Ratio Lower Upper

128 100

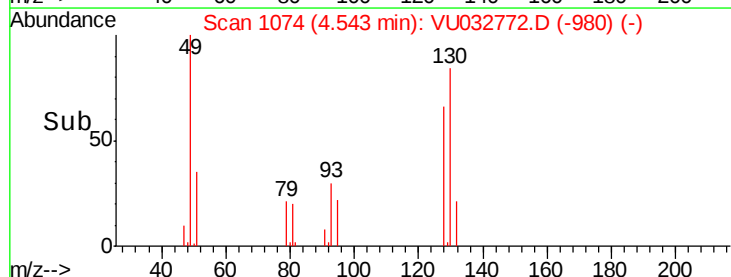
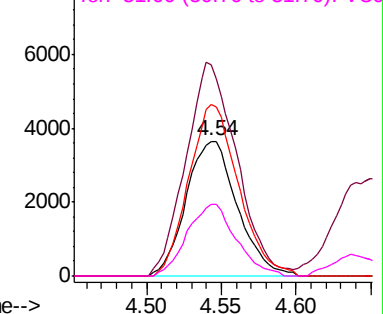
49 156.8 114.7 212.9

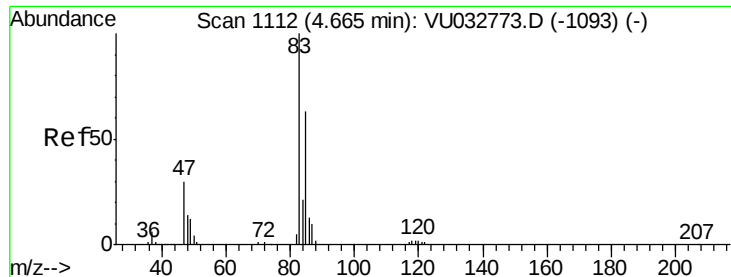
130 127.5 89.4 166.0

51 53.2 42.0 63.0



Abundance Ion 128.00 (127.70 to 128.70): VU032772.D (-980) (-)





#25

Chloroform

Concen: 11.302 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

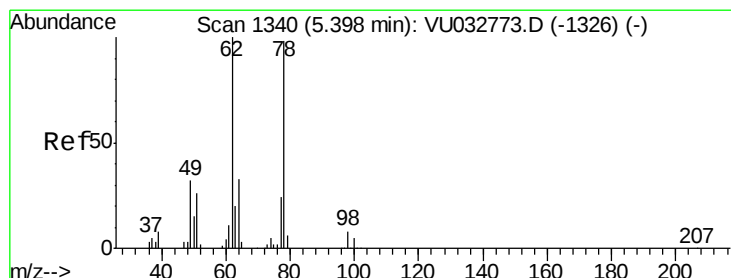
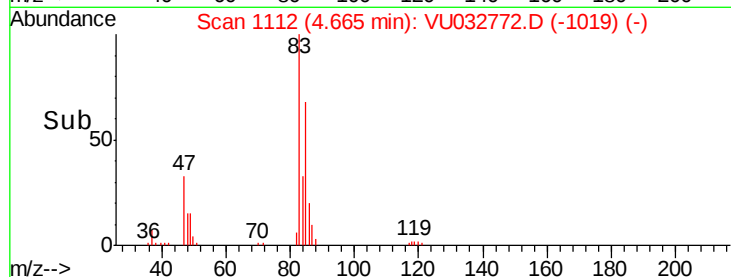
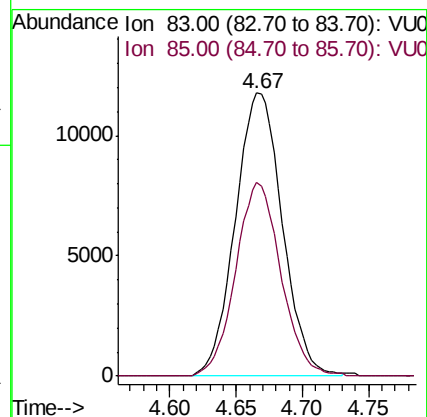
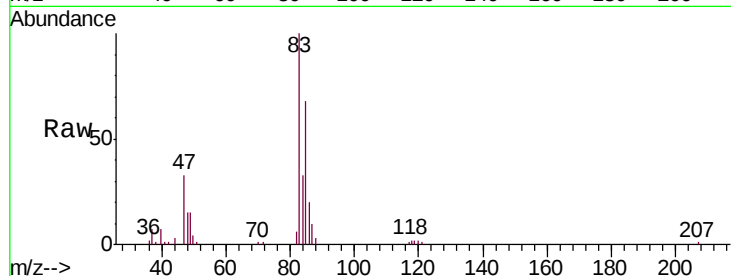
VSTD01032

Tgt Ion: 83 Resp: 28993

Ion Ratio Lower Upper

83 100

85 68.4 44.2 82.2



#27

1,2-Dichloroethane

Concen: 11.177 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VU032772.D

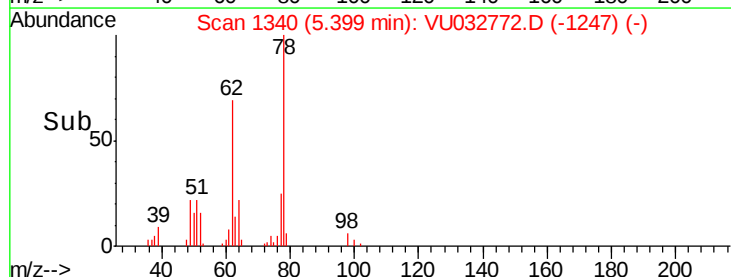
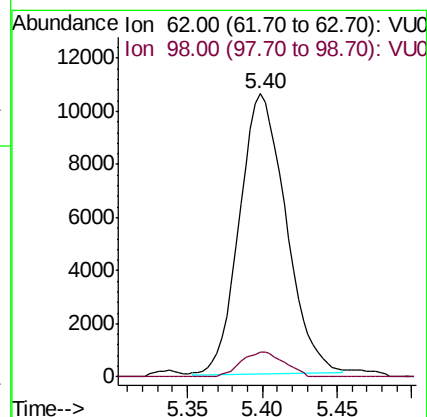
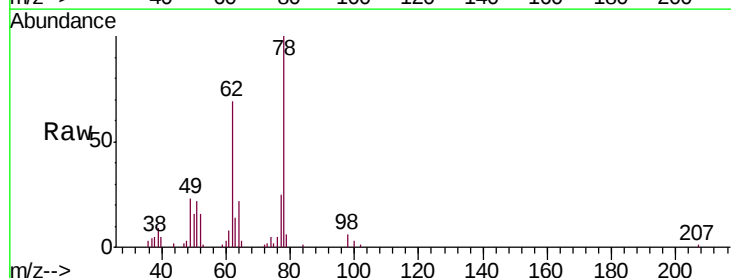
Acq: 17 Jun 2019 11:03

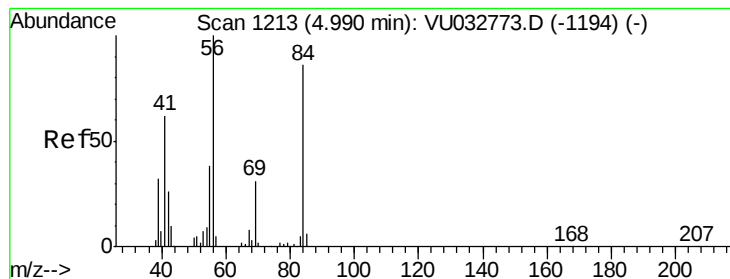
Tgt Ion: 62 Resp: 22954

Ion Ratio Lower Upper

62 100

98 8.7 6.6 10.0





#29

Cyclohexane

Concen: 9.847 ug/L

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01032

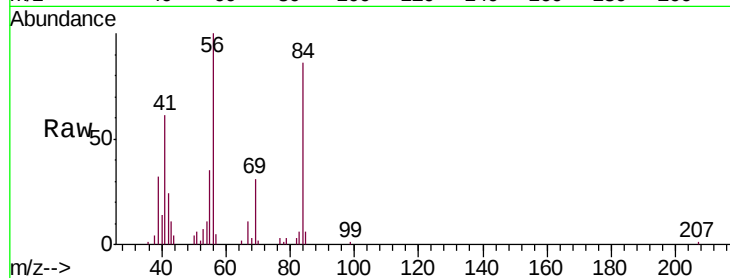
Tgt Ion: 56 Resp: 23256

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.4

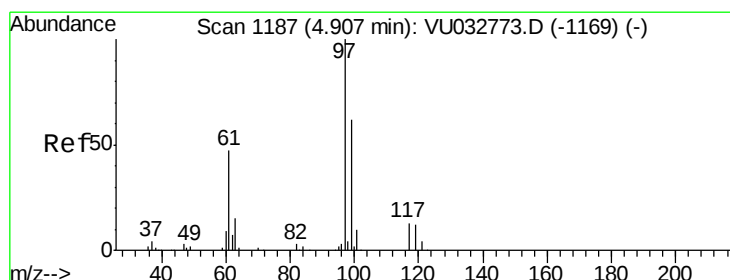
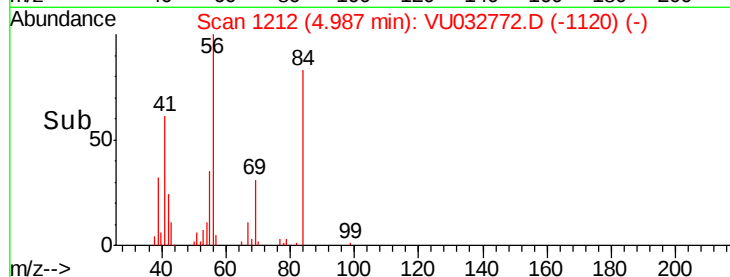
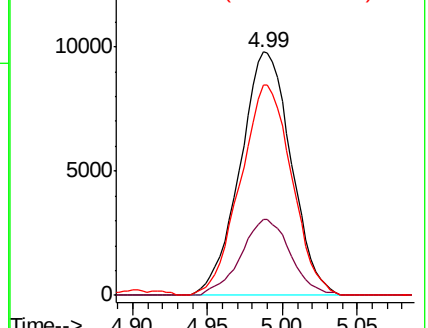
84 86.7 68.0 102.0



Abundance Ion 56.00 (55.70 to 56.70): VU032773.D (-1194) (-)

Ion 69.00 (68.70 to 69.70): VU032773.D (-1194) (-)

Ion 84.00 (83.70 to 84.70): VU032773.D (-1194) (-)



#30

1,1,1-Trichloroethane

Concen: 11.090 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

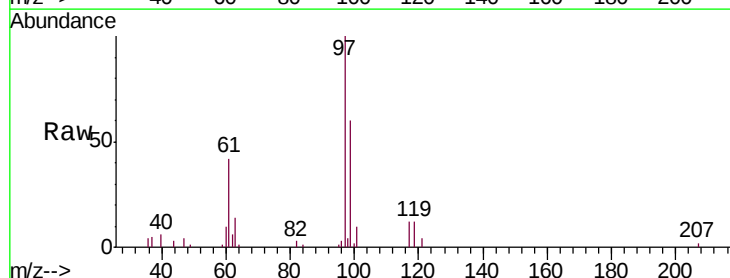
Tgt Ion: 97 Resp: 25254

Ion Ratio Lower Upper

97 100

99 62.8 50.7 76.1

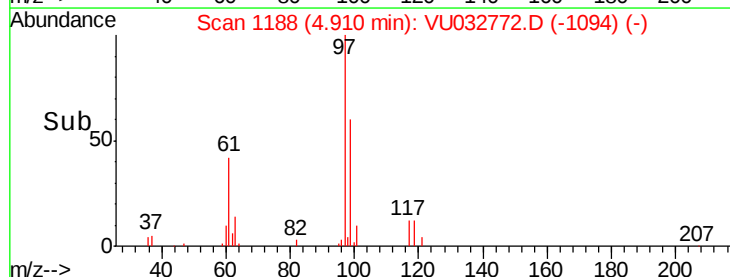
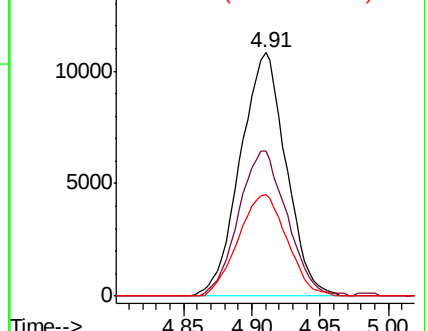
61 44.4 36.7 55.1

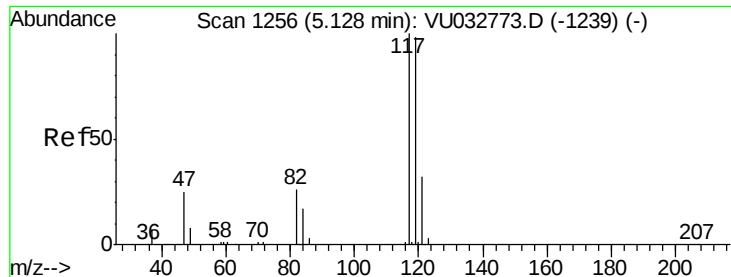


Abundance Ion 97.00 (96.70 to 97.70): VU032773.D (-1169) (-)

Ion 99.00 (98.70 to 99.70): VU032773.D (-1169) (-)

Ion 61.05 (60.75 to 61.75): VU032773.D (-1169) (-)

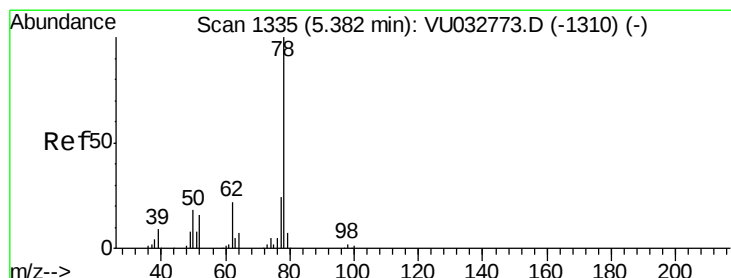
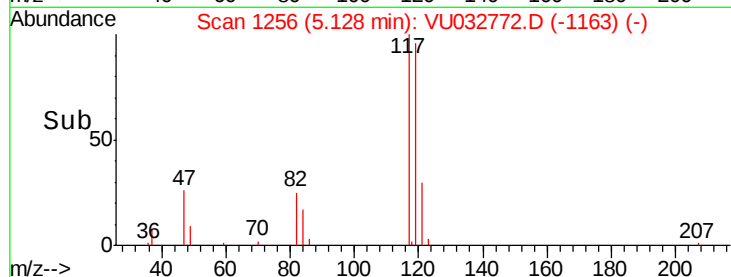
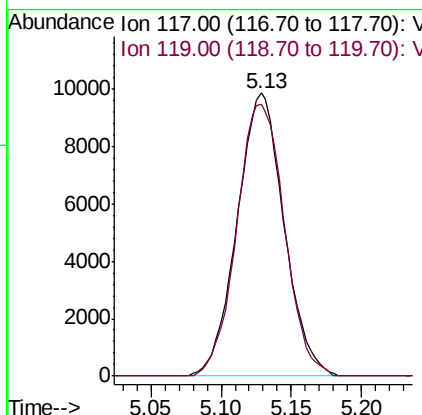
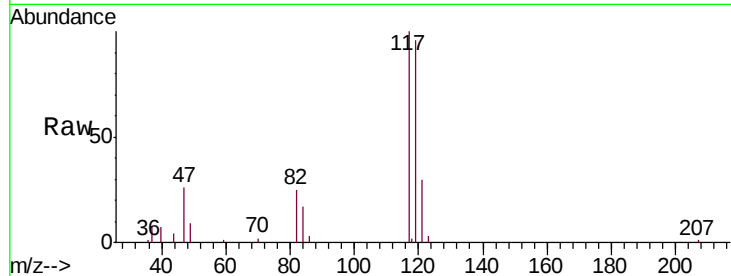




#31
Carbon tetrachloride
Concen: 10.946 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU032772.D
Acq: 17 Jun 2019 11:03

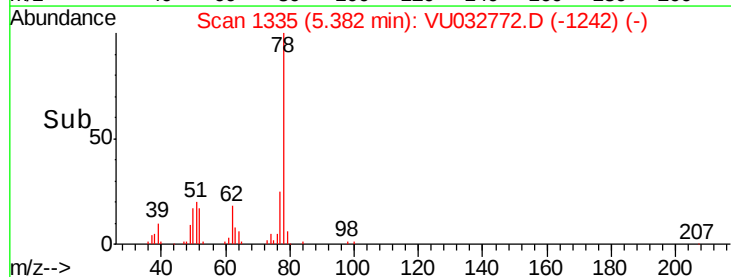
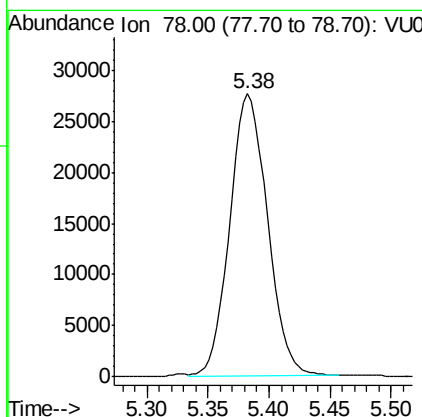
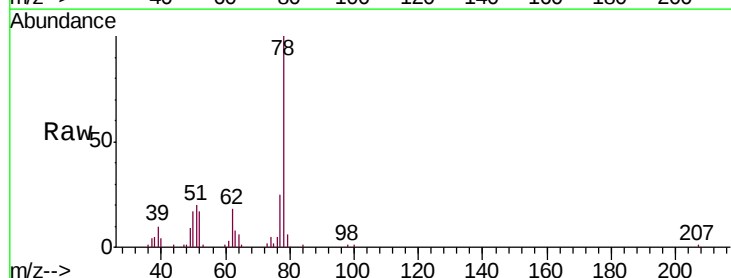
Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

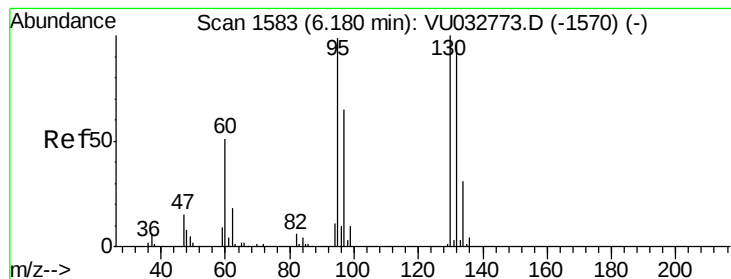
Tgt Ion:117 Resp: 22897
Ion Ratio Lower Upper
117 100
119 97.9 76.3 114.5



#33
Benzene
Concen: 10.586 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU032772.D
Acq: 17 Jun 2019 11:03

Tgt Ion: 78 Resp: 59484





#34

Trichloroethene

Concen: 10.367 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01032

Tgt Ion: 95 Resp: 15813

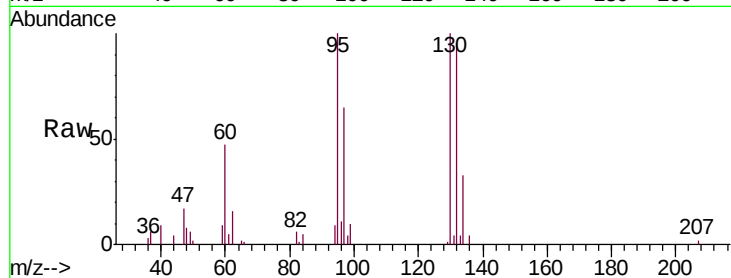
Ion Ratio Lower Upper

95 100

97 64.6 45.9 85.3

132 95.2 68.5 127.3

130 99.7 70.8 131.4

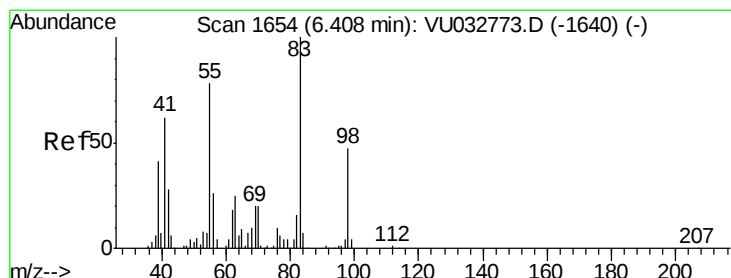
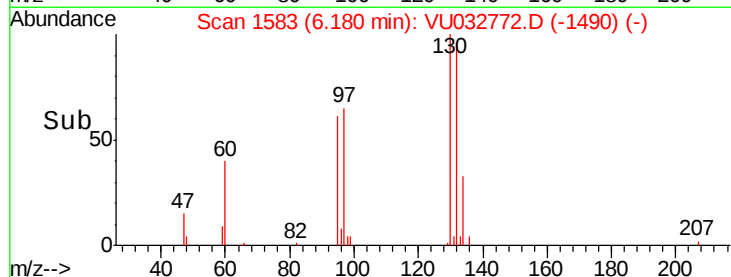
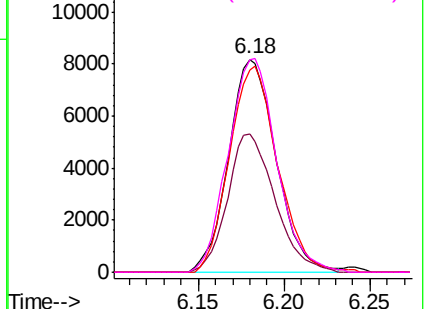


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 9.529 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

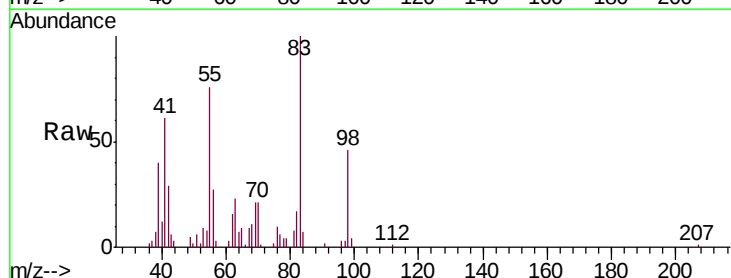
Tgt Ion: 83 Resp: 23395

Ion Ratio Lower Upper

83 100

55 80.0 62.6 94.0

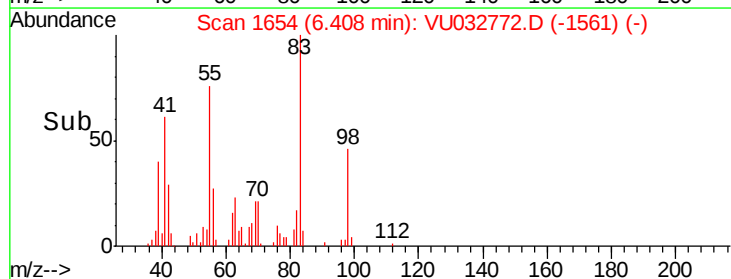
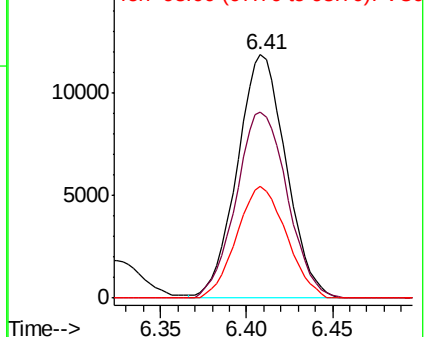
98 46.6 37.4 56.0

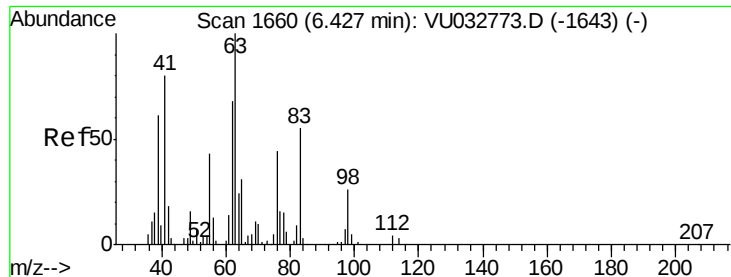


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 11.047 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

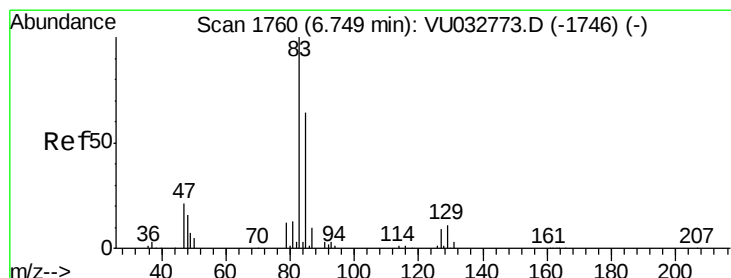
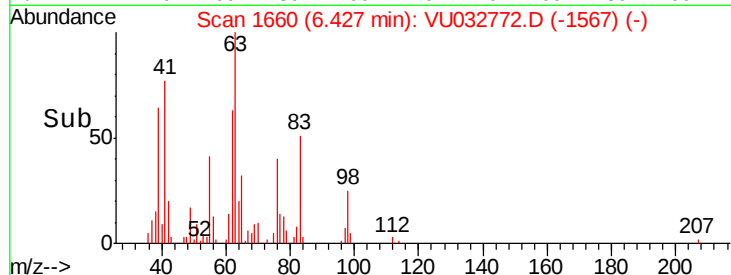
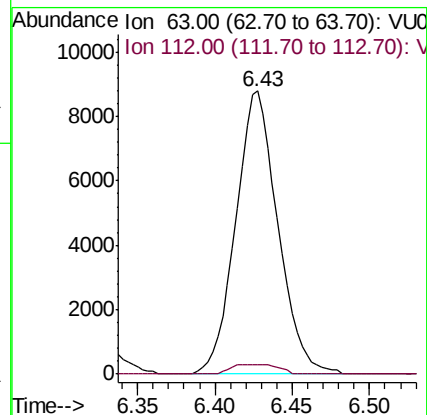
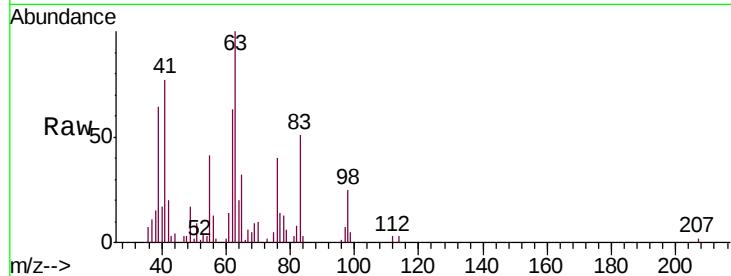
VSTD01032

Tgt Ion: 63 Resp: 16635

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 11.721 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

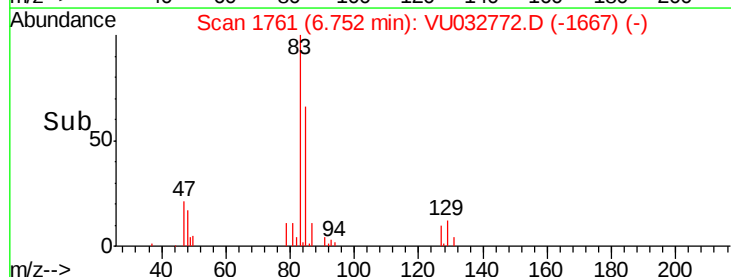
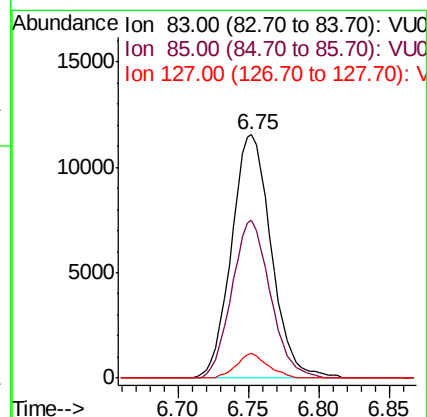
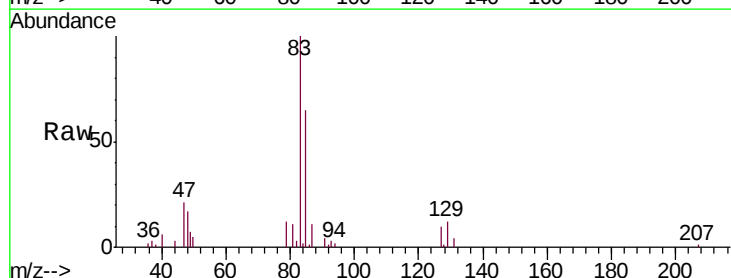
Tgt Ion: 83 Resp: 22822

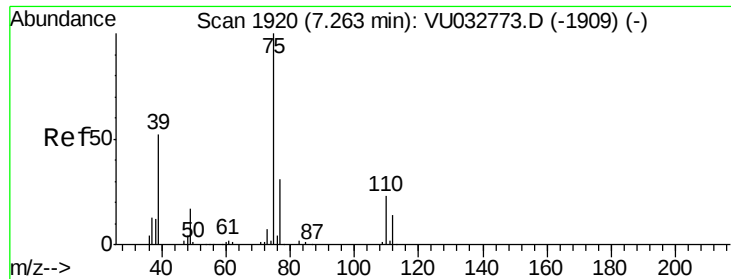
Ion Ratio Lower Upper

83 100

85 64.7 45.0 83.6

127 10.0 7.0 10.6

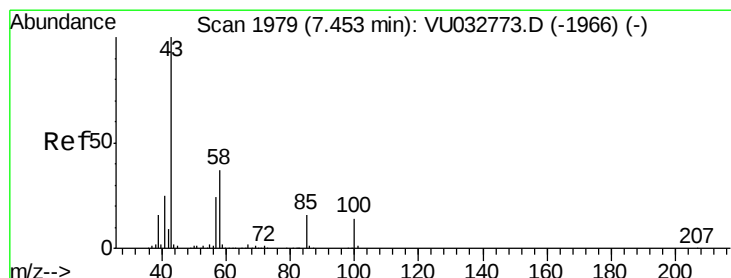
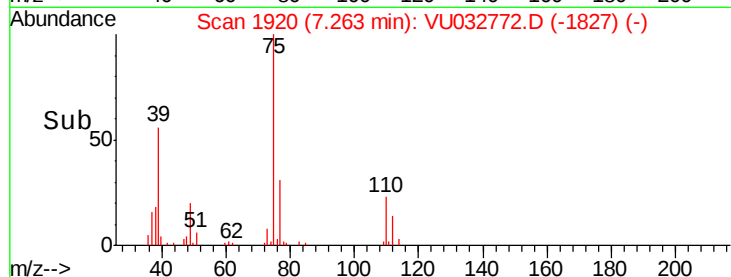
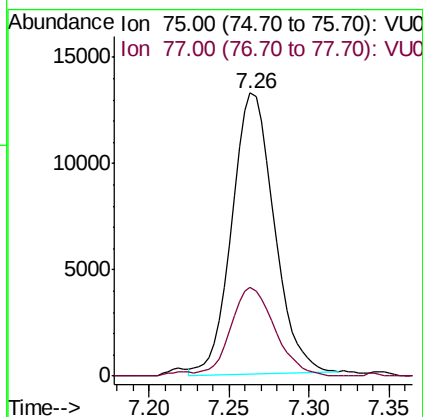
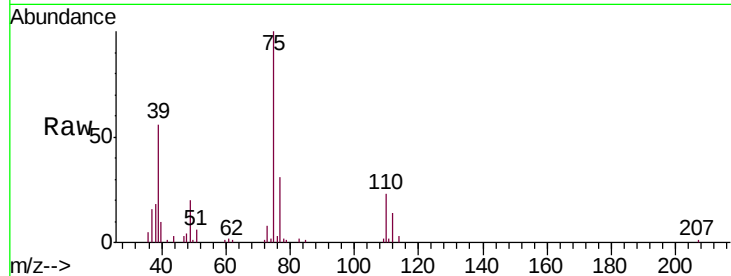




#39
 cis-1,3-Dichloropropene
 Concen: 10.045 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032772.D
 Acq: 17 Jun 2019 11:03

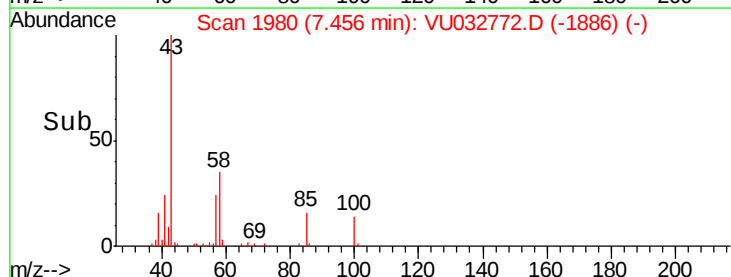
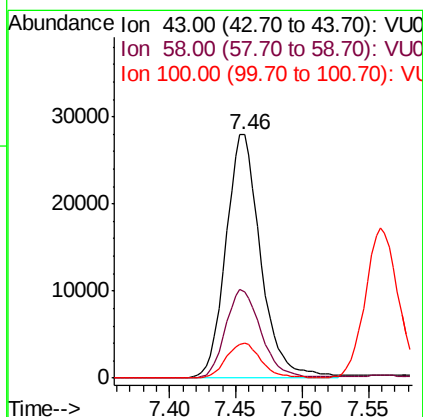
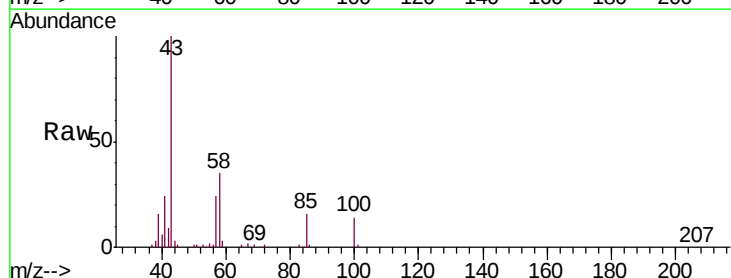
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

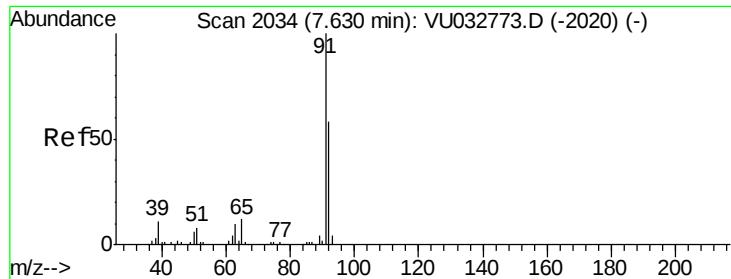
Tgt Ion: 75 Resp: 23717
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 21.416 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU032772.D
 Acq: 17 Jun 2019 11:03

Tgt Ion: 43 Resp: 51124
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.4 44.2
 100 14.2 11.2 16.8





#42

Toluene

Concen: 10.333 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

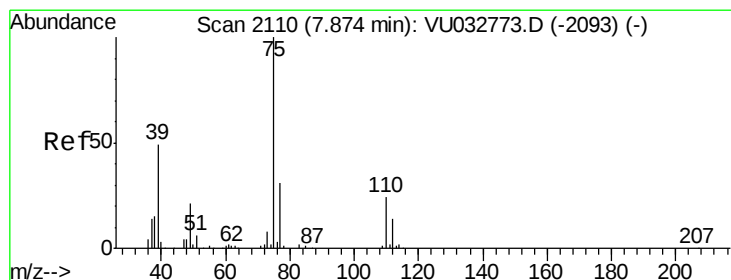
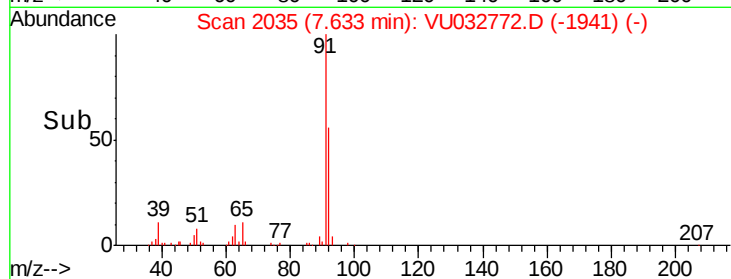
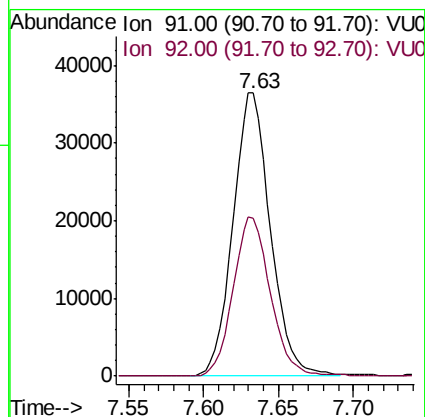
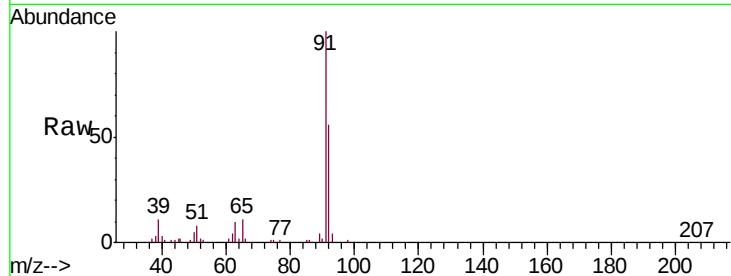
VSTD01032

Tgt Ion: 91 Resp: 63512

Ion Ratio Lower Upper

91 100

92 56.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 10.707 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032772.D

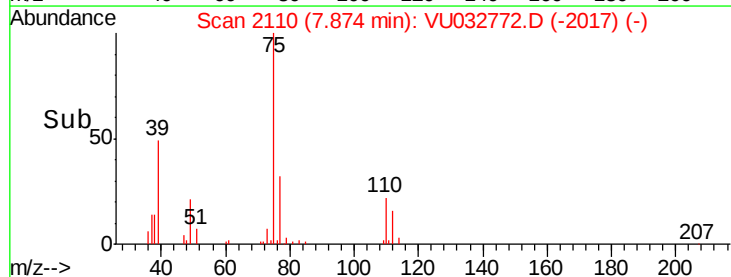
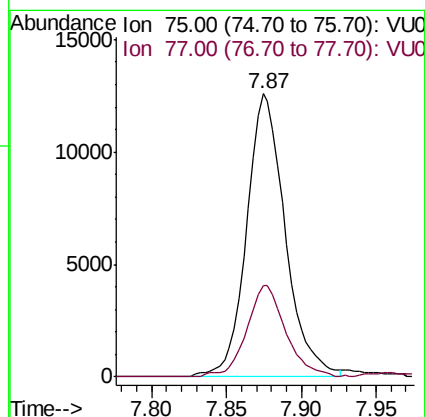
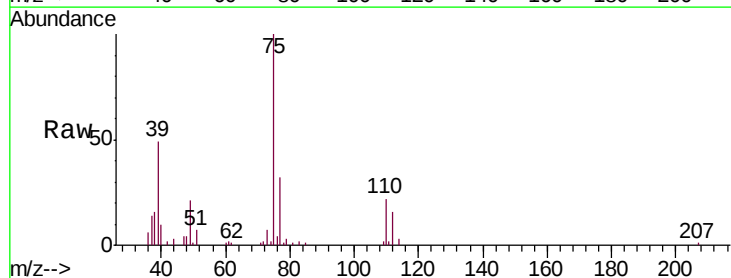
Acq: 17 Jun 2019 11:03

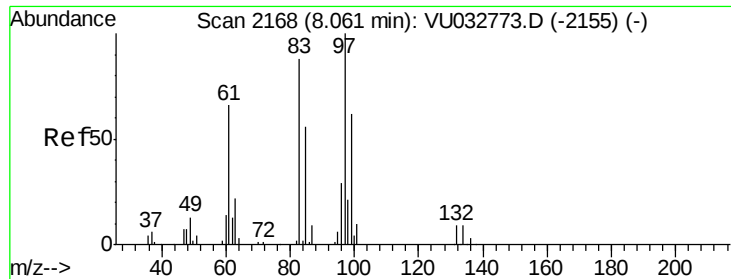
Tgt Ion: 75 Resp: 22659

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4

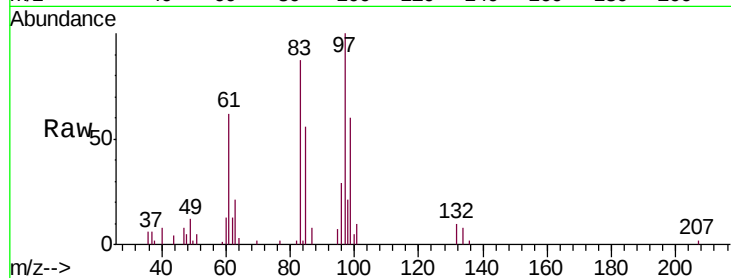




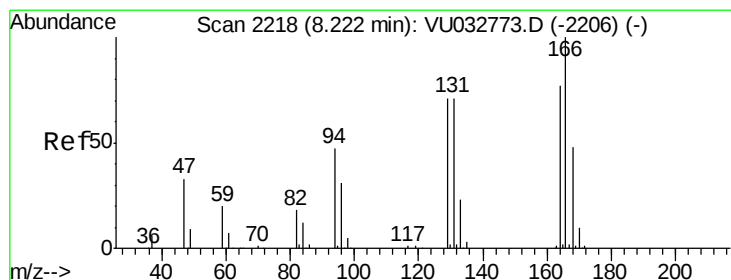
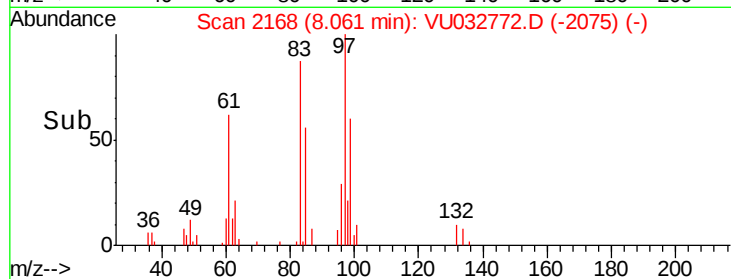
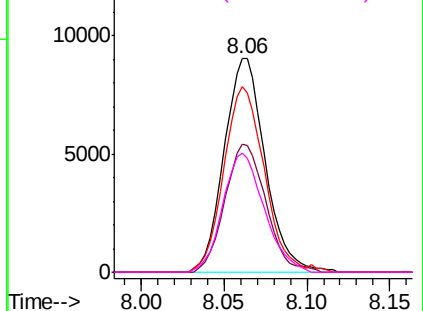
#45
 1,1,2-Trichloroethane
 Concen: 11.040 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032772.D
 Acq: 17 Jun 2019 11:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

Tgt Ion: 97 Resp: 15570
 Ion Ratio Lower Upper
 97 100
 99 60.2 43.1 80.1
 83 86.7 61.4 114.0
 85 55.9 39.2 72.8

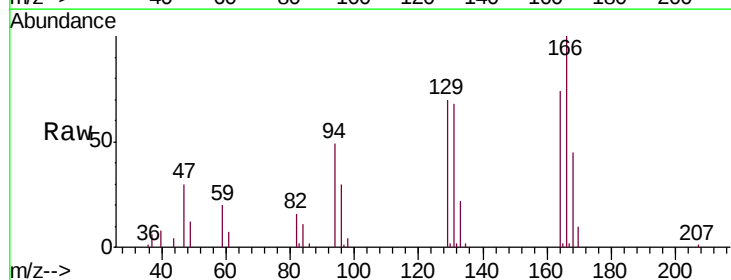


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

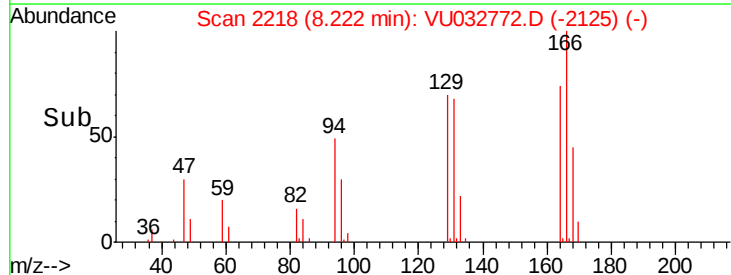
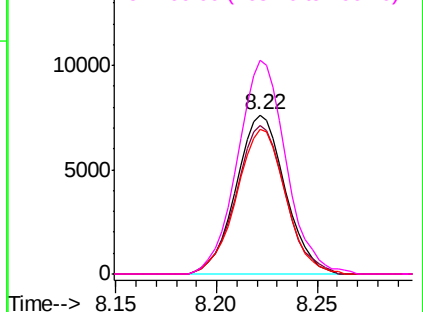


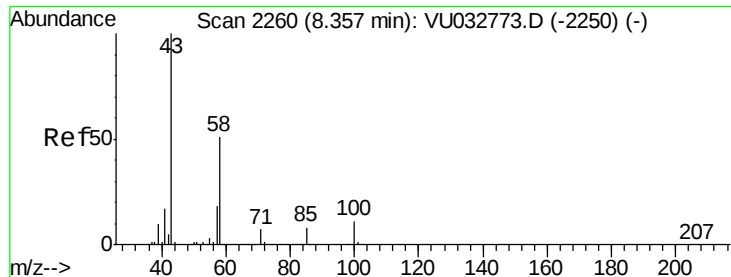
#46
 Tetrachloroethene
 Concen: 10.342 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032772.D
 Acq: 17 Jun 2019 11:03

Tgt Ion: 164 Resp: 12997
 Ion Ratio Lower Upper
 164 100
 129 93.5 64.8 120.3
 131 91.1 64.5 119.7
 166 134.5 91.3 169.6



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

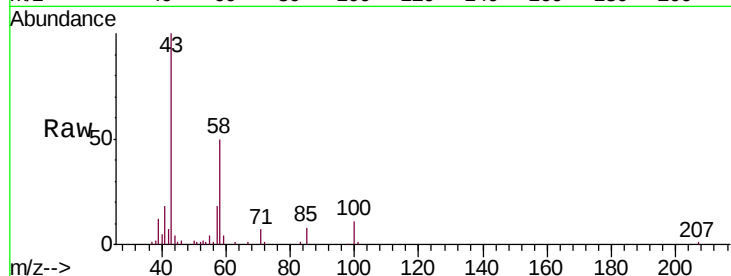




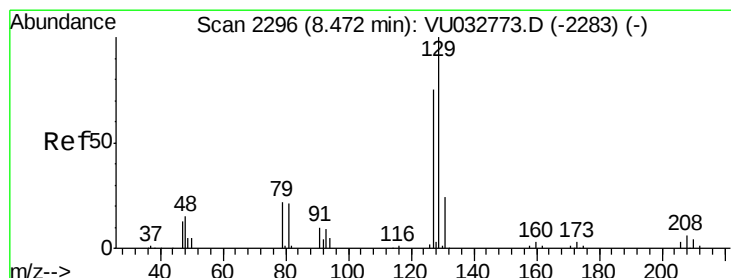
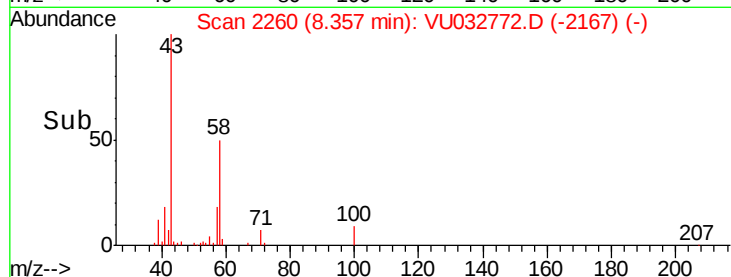
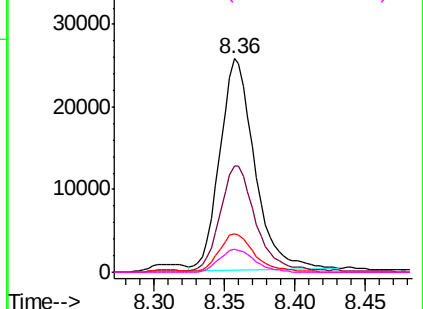
#48
2-Hexanone
Concen: 22.143 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032772.D
Acq: 17 Jun 2019 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

Tgt Ion:	43	Resp:	44155
Ion	Ratio	Lower	Upper
43	100		
58	50.1	40.2	60.2
57	18.7	14.2	21.4
100	11.0	8.4	12.6

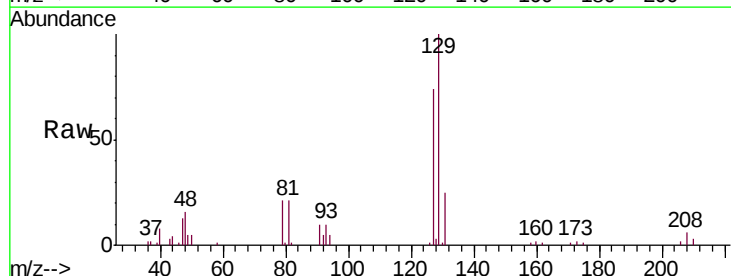


Abundance Ion 43.00 (42.70 to 43.70): VU032772.D (-2260) (-)
Ion 58.00 (57.70 to 58.70): VU032772.D (-2260) (-)
Ion 57.00 (56.70 to 57.70): VU032772.D (-2260) (-)
Ion 100.00 (99.70 to 100.70): VU032772.D (-2260) (-)

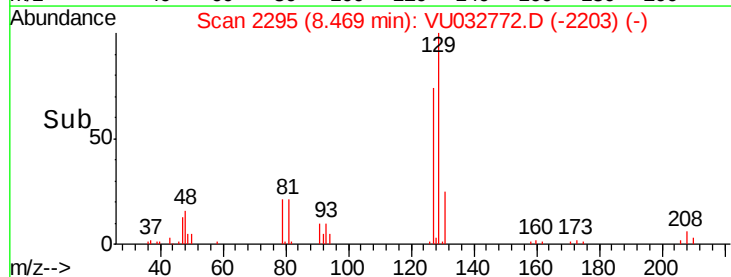
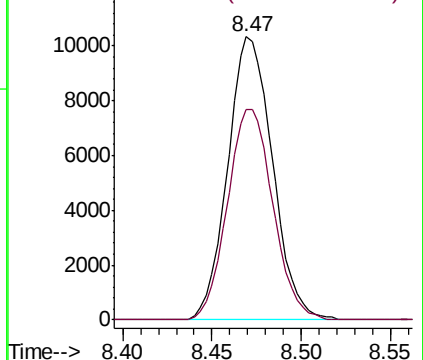


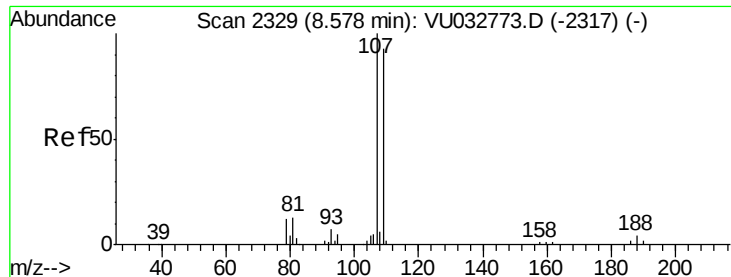
#49
Dibromochloromethane
Concen: 10.908 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032772.D
Acq: 17 Jun 2019 11:03

Tgt Ion:	129	Resp:	18014
Ion	Ratio	Lower	Upper
129	100		
127	74.5	52.3	97.1



Abundance Ion 129.00 (128.70 to 129.70): VU032772.D (-2296) (-)
Ion 127.00 (126.70 to 127.70): VU032772.D (-2296) (-)

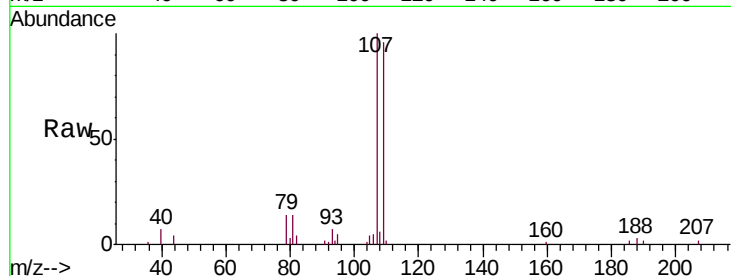




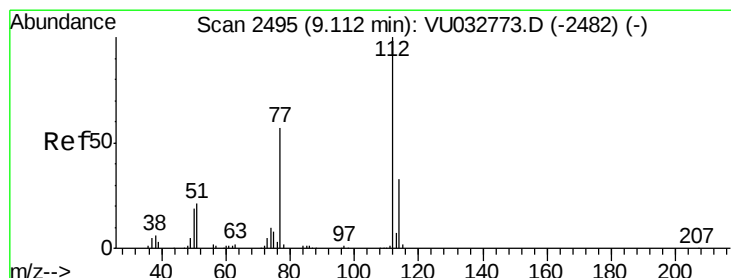
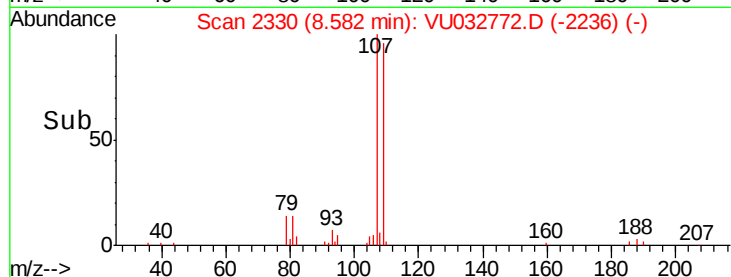
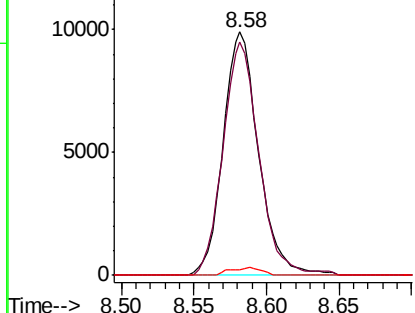
#50
1,2-Dibromoethane
Concen: 10.620 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032772.D
Acq: 17 Jun 2019 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

Tgt Ion:107 Resp: 16850
Ion Ratio Lower Upper
107 100
109 95.8 65.4 121.4
188 2.5 3.1 4.7#

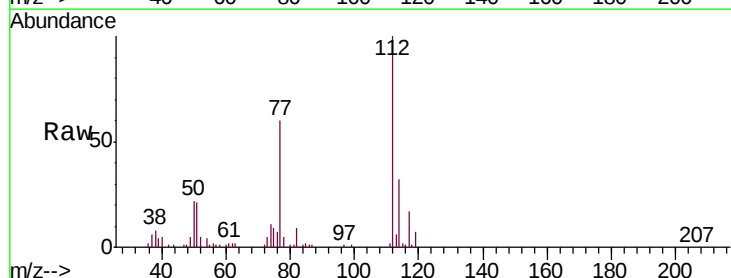


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

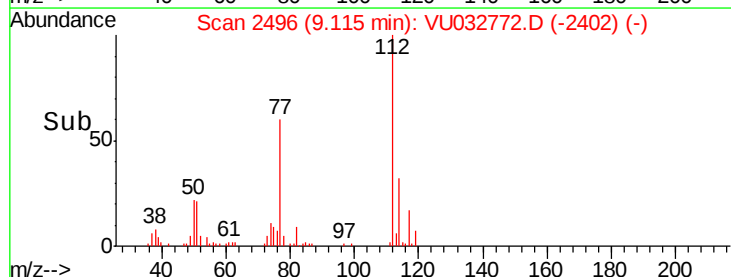
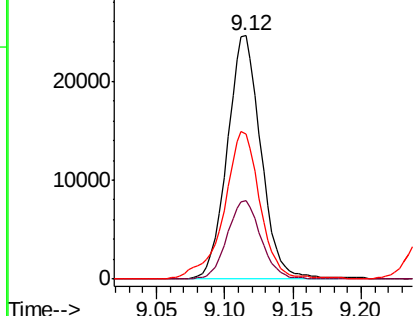


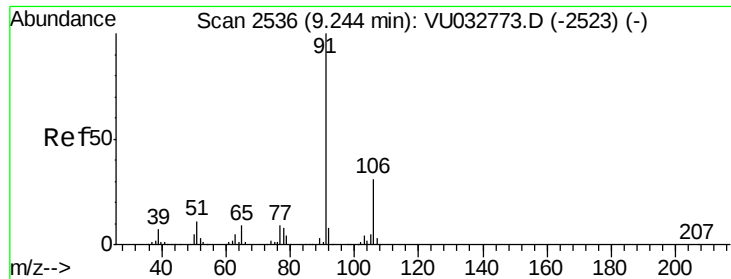
#51
Chlorobenzene
Concen: 10.646 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032772.D
Acq: 17 Jun 2019 11:03

Tgt Ion:112 Resp: 42186
Ion Ratio Lower Upper
112 100
114 32.1 22.8 42.4
77 59.5 46.3 69.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 9.904 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

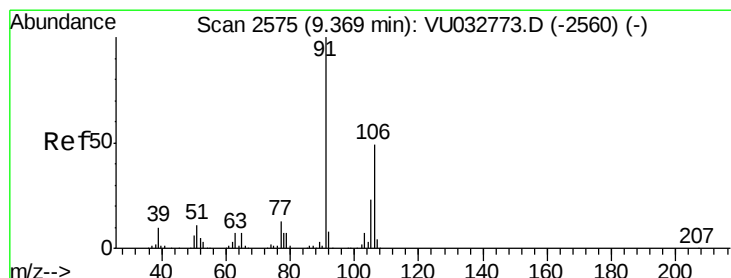
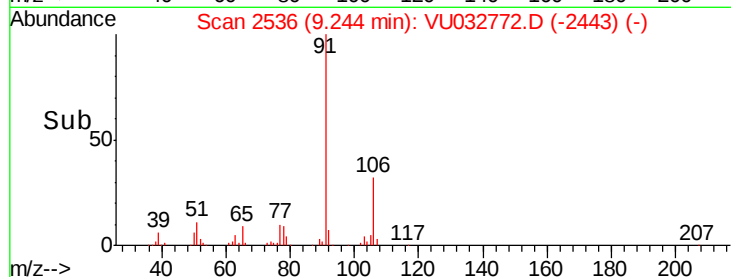
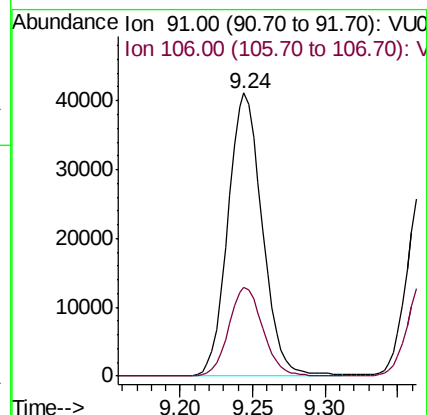
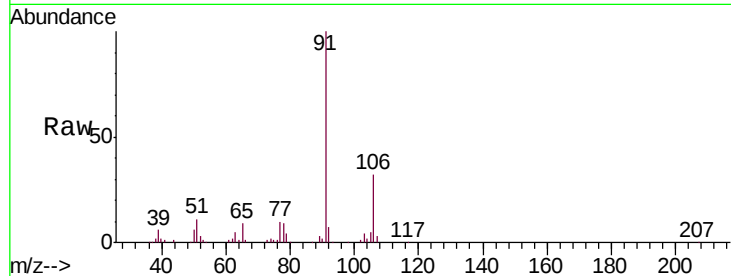
VSTD01032

Tgt Ion: 91 Resp: 67695

Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4



#53

m,p-Xylene

Concen: 9.793 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032772.D

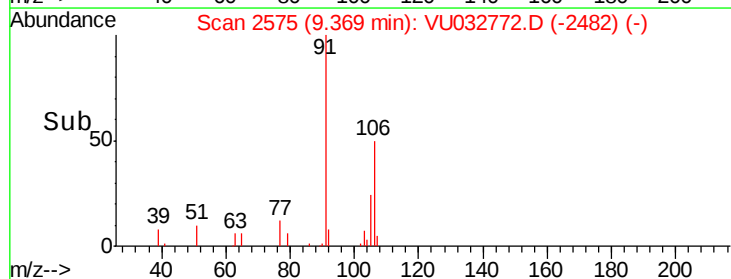
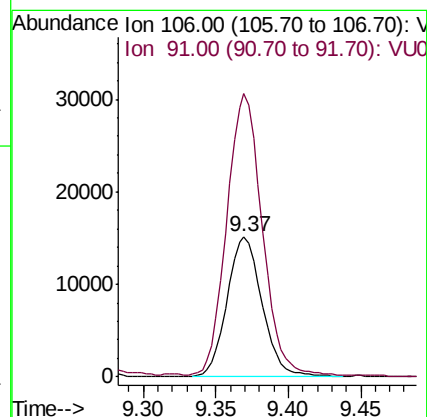
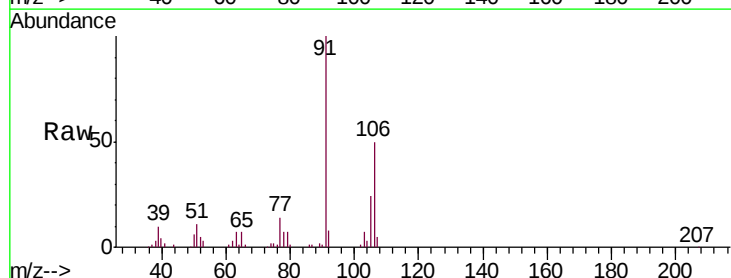
Acq: 17 Jun 2019 11:03

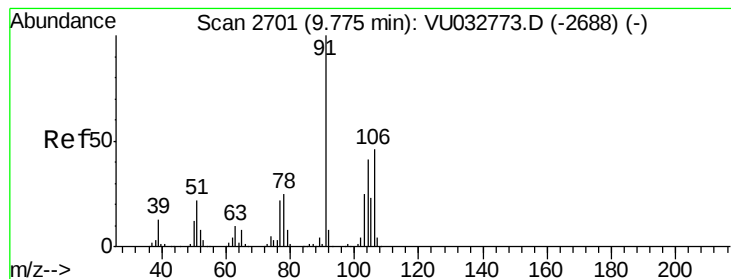
Tgt Ion: 106 Resp: 25411

Ion Ratio Lower Upper

106 100

91 201.7 142.9 265.5





#54

o-xylene

Concen: 9.621 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

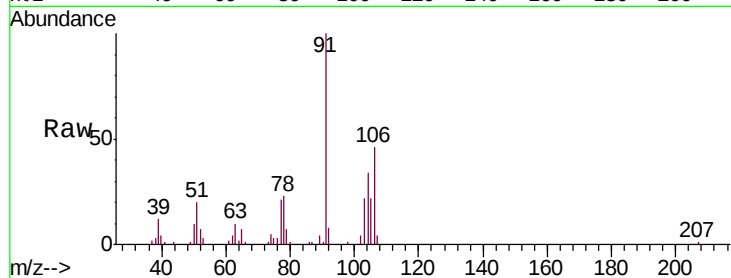
VSTD01032

Tgt Ion:106 Resp: 24735

Ion Ratio Lower Upper

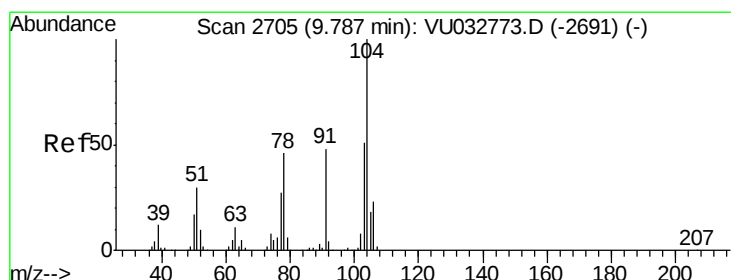
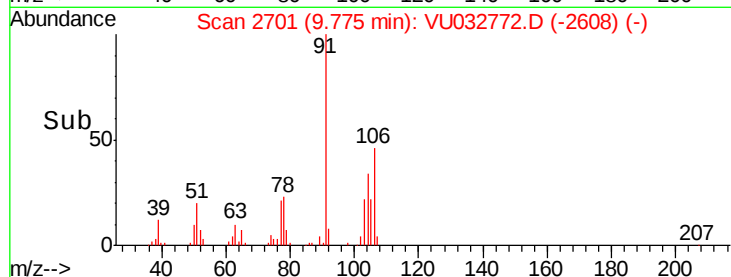
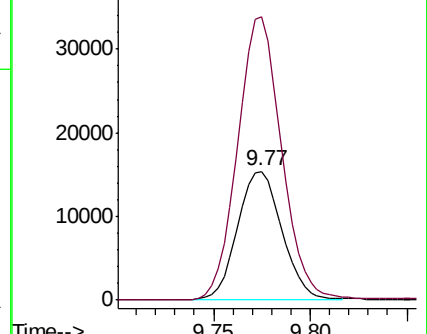
106 100

91 219.2 152.9 284.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 9.774 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032772.D

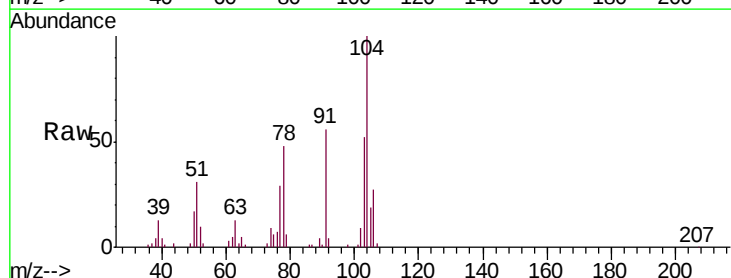
Acq: 17 Jun 2019 11:03

Tgt Ion:104 Resp: 42181

Ion Ratio Lower Upper

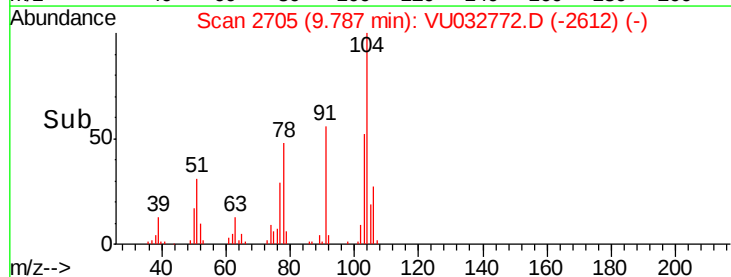
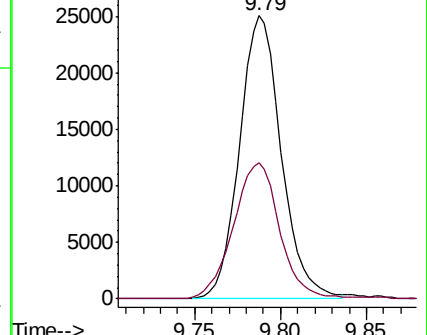
104 100

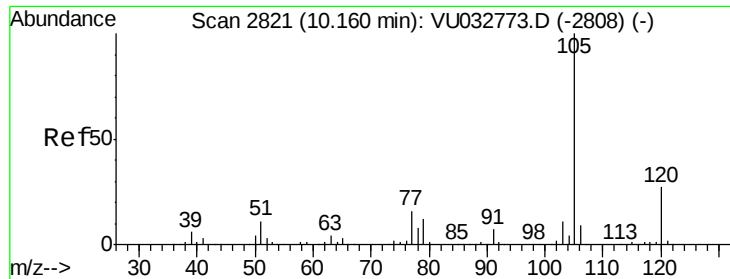
78 48.2 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 9.847 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01032

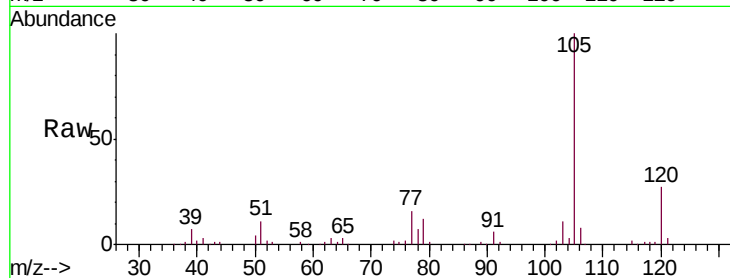
Tgt Ion: 105 Resp: 66811

Ion Ratio Lower Upper

105 100

120 26.1 21.4 32.0

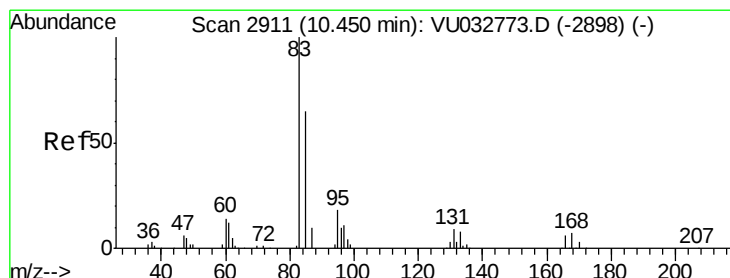
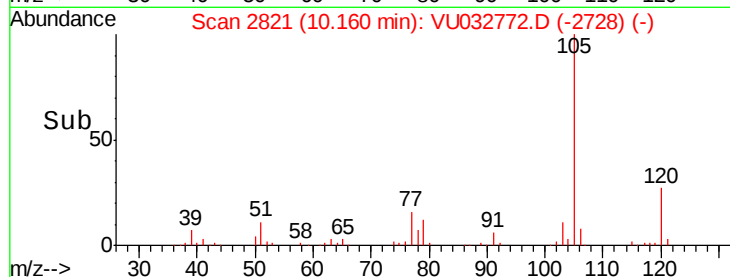
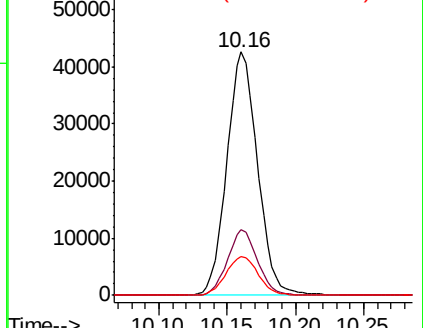
77 16.7 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 11.282 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

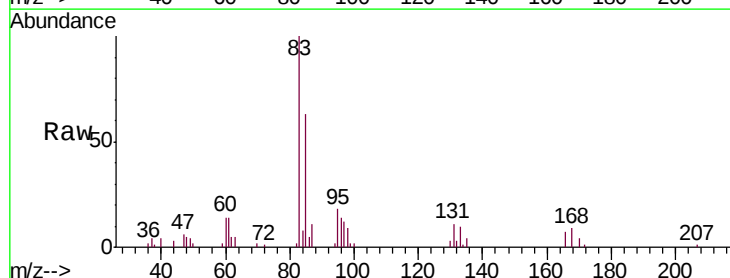
Tgt Ion: 83 Resp: 27363

Ion Ratio Lower Upper

83 100

85 63.5 45.8 85.2

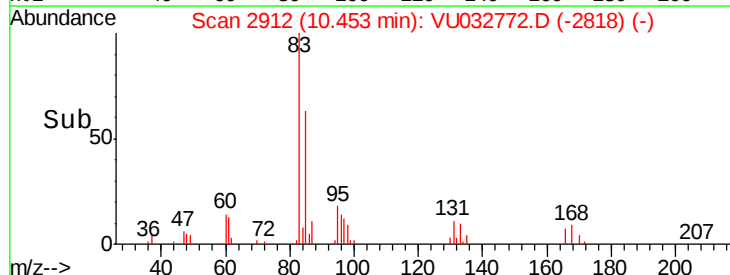
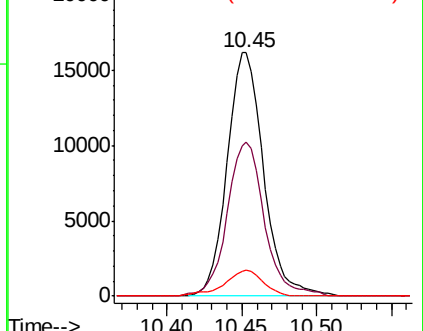
131 10.7 7.8 11.8

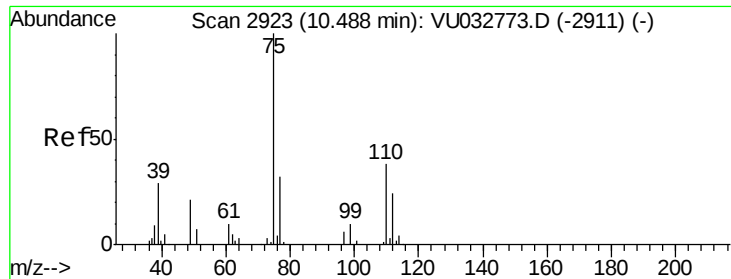


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

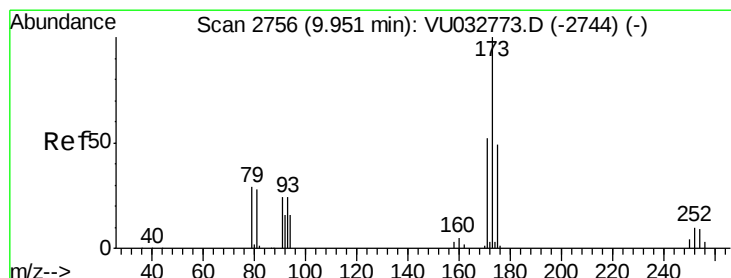
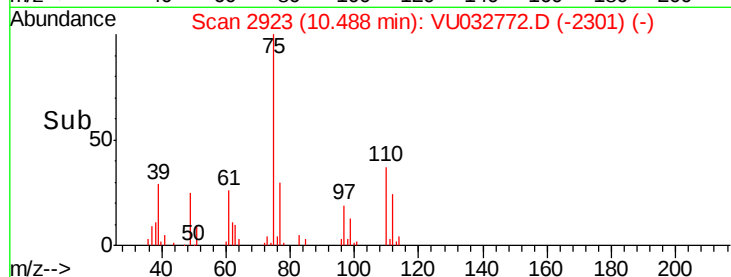
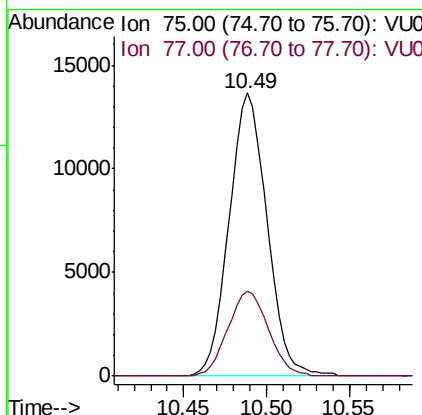
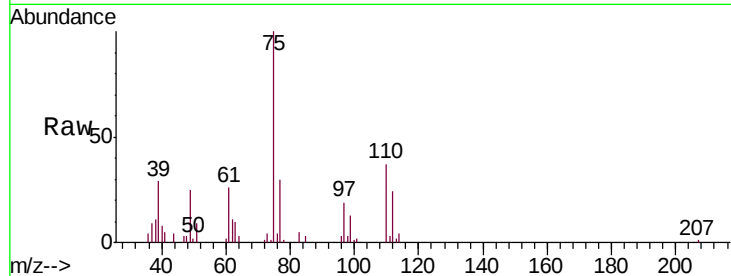




#59
 1,2,3-Trichloropropane
 Concen: 11.177 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032772.D
 Acq: 17 Jun 2019 11:03

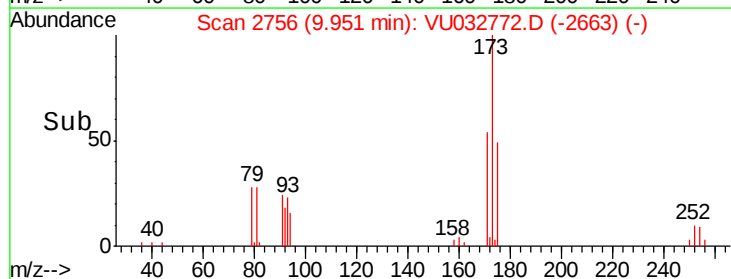
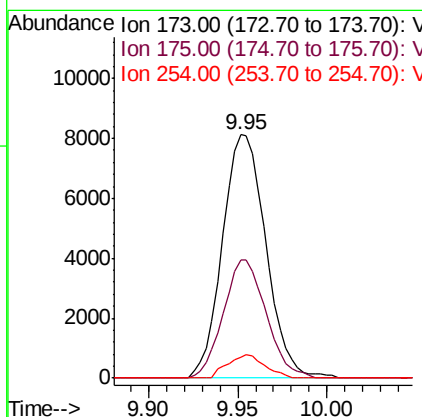
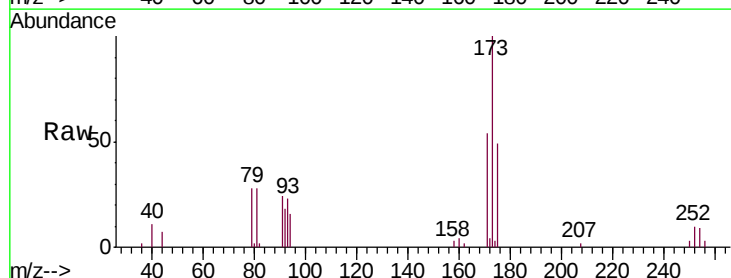
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

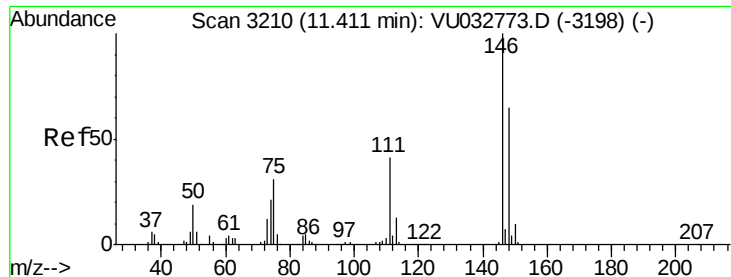
Tgt Ion: 75 Resp: 21768
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3



#61
 Bromoform
 Concen: 10.975 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VU032772.D
 Acq: 17 Jun 2019 11:03

Tgt Ion: 173 Resp: 13791
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.0 58.4
 254 8.2 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 10.502 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01032

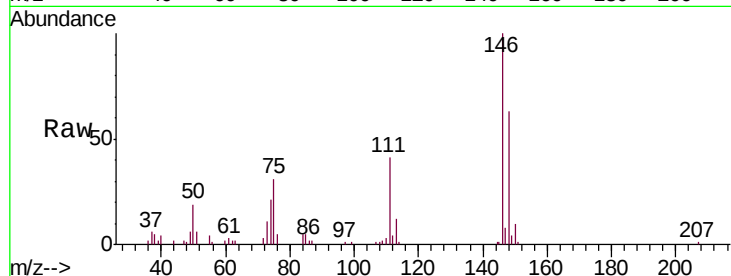
Tgt Ion:146 Resp: 32966

Ion Ratio Lower Upper

146 100

111 41.2 28.4 52.8

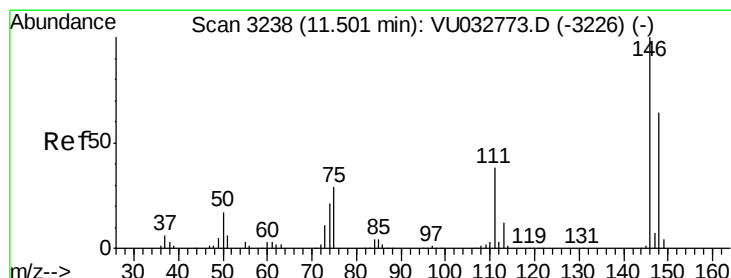
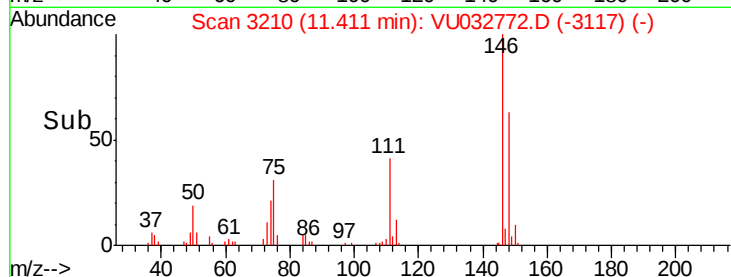
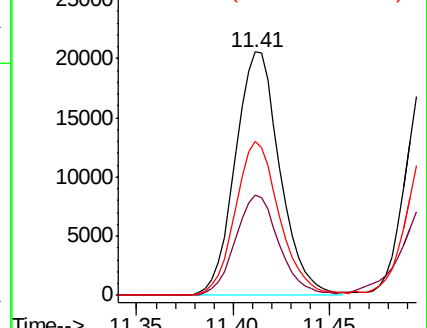
148 63.2 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.531 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

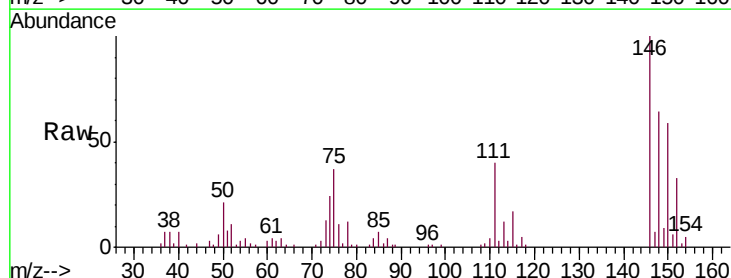
Tgt Ion:146 Resp: 34039

Ion Ratio Lower Upper

146 100

111 40.3 26.9 50.1

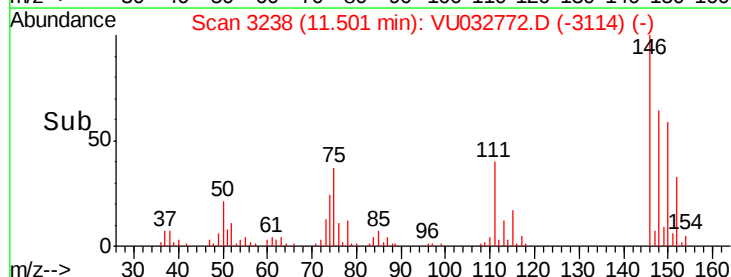
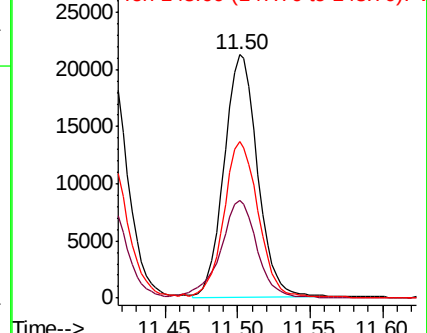
148 64.4 44.7 83.1

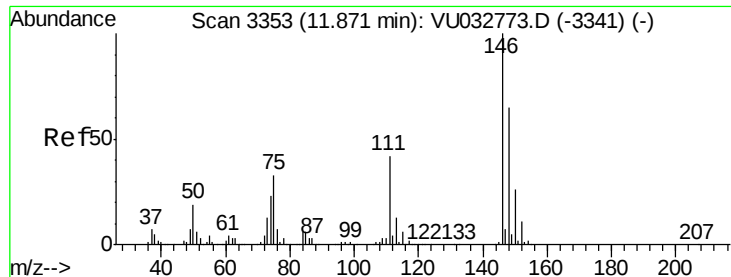


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

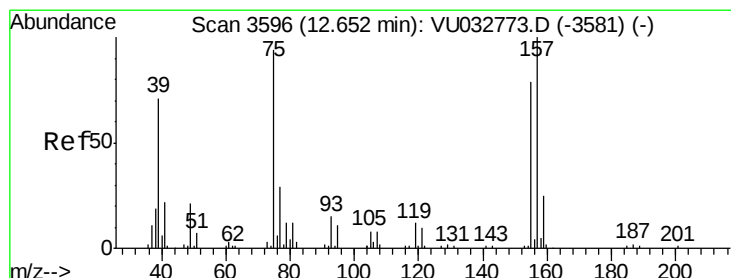
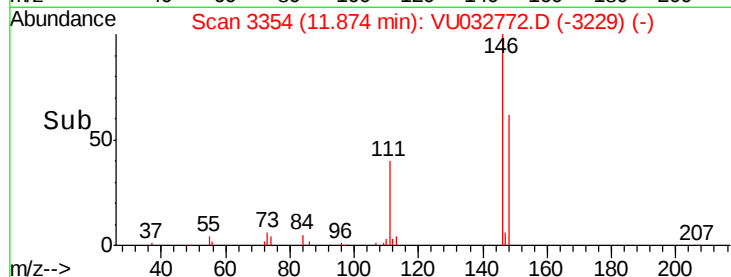
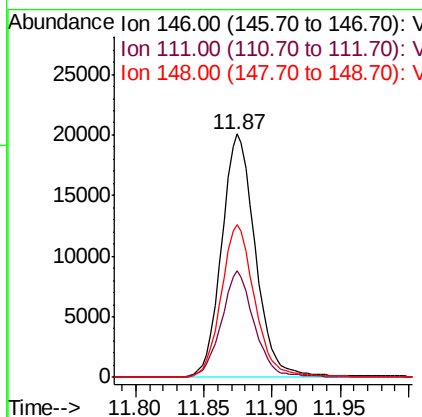
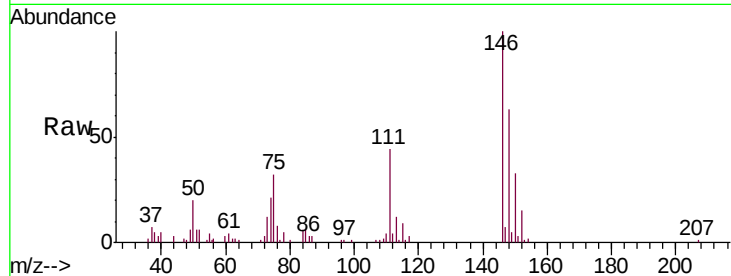




#65
 1,2-Dichlorobenzene
 Concen: 10.847 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032772.D
 Acq: 17 Jun 2019 11:03

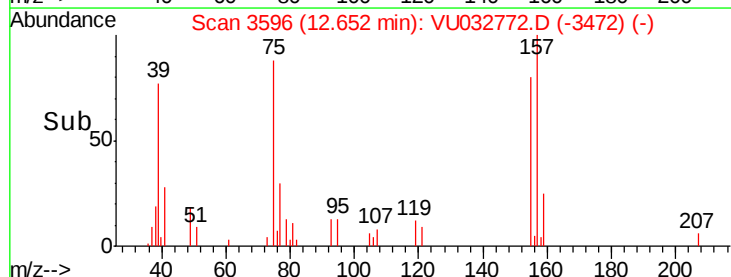
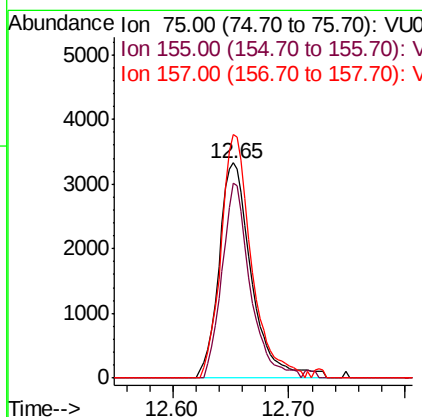
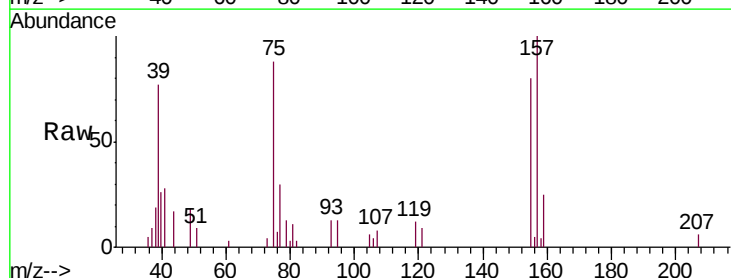
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

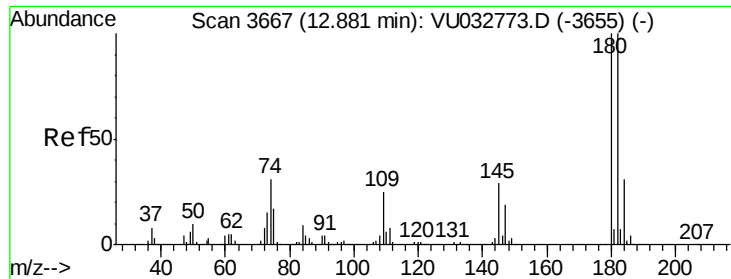
Tgt Ion: 146 Resp: 34480
 Ion Ratio Lower Upper
 146 100
 111 43.7 34.1 51.1
 148 63.0 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 11.940 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032772.D
 Acq: 17 Jun 2019 11:03

Tgt Ion: 75 Resp: 6487
 Ion Ratio Lower Upper
 75 100
 155 90.4 67.4 101.2
 157 113.1 85.5 128.3

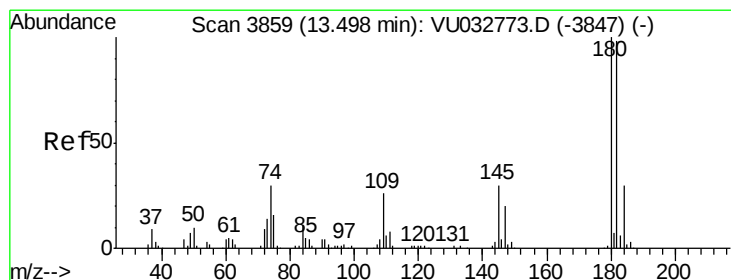
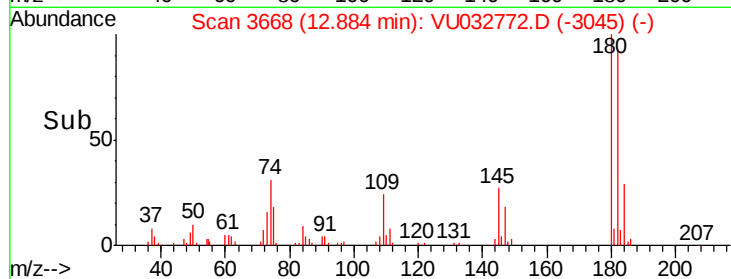
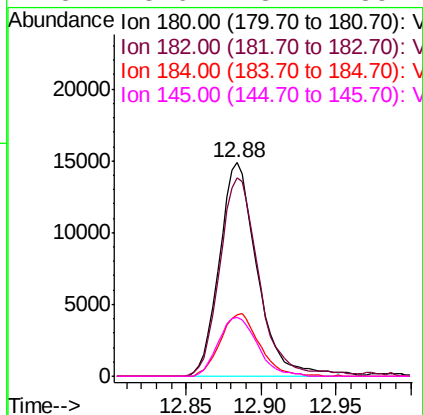
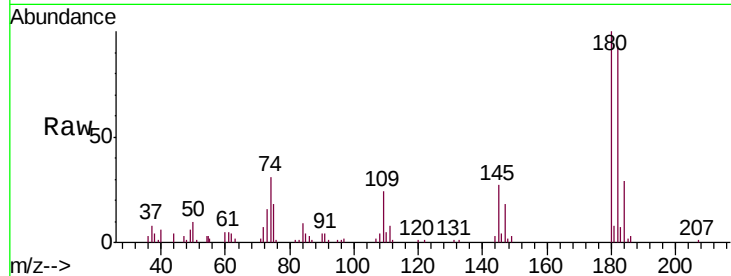




#67
 1,3,5-Trichlorobenzene
 Concen: 10.685 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032772.D
 Acq: 17 Jun 2019 11:03

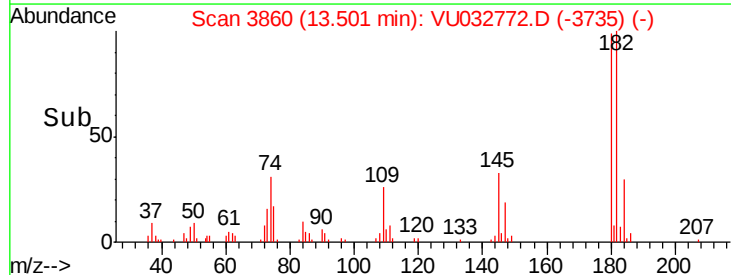
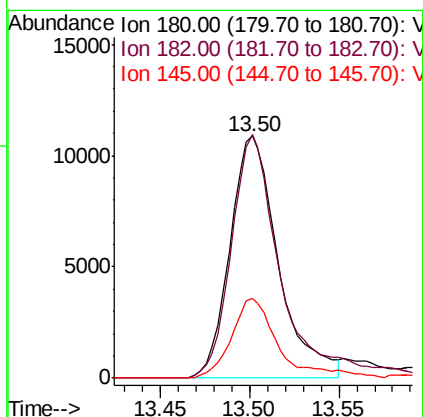
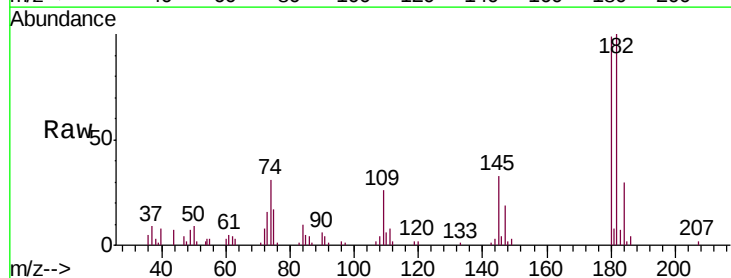
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

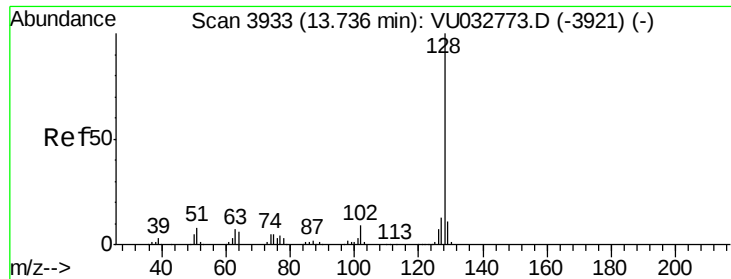
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	78.3	117.5
184	30.0	24.8	37.2
145	28.6	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 9.871 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU032772.D
 Acq: 17 Jun 2019 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.3	76.2	114.4
145	28.6	23.8	35.8





#69

Naphthalene

Concen: 9.621 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.01 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD01032

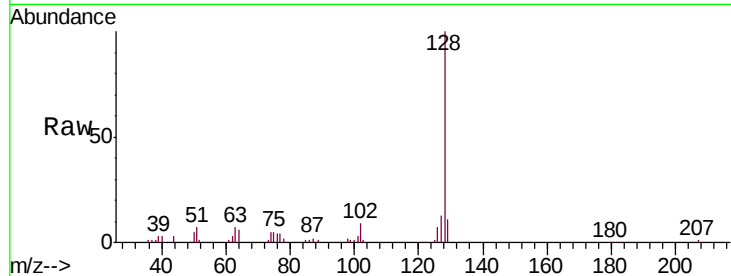
Tgt Ion:128 Resp: 62725

Ion Ratio Lower Upper

128 100

127 11.3 10.3 15.5

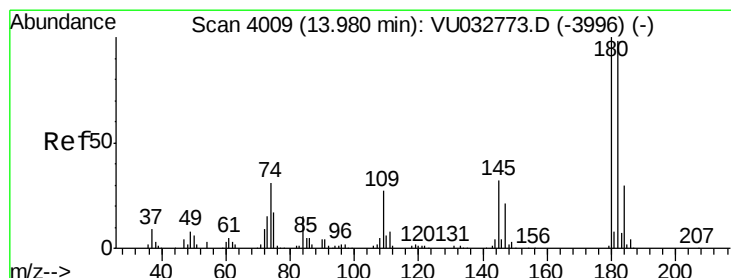
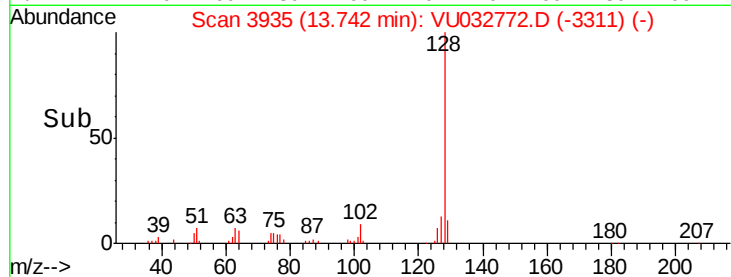
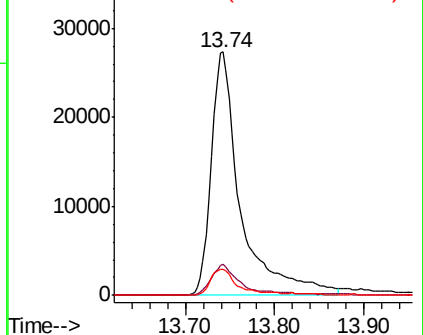
129 9.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.141 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032772.D

Acq: 17 Jun 2019 11:03

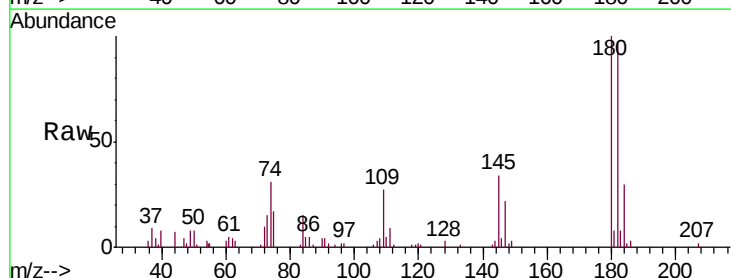
Tgt Ion:180 Resp: 22085

Ion Ratio Lower Upper

180 100

182 102.7 77.0 115.6

145 33.8 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

