

Data File : VU032773.D
Acq On : 17 Jun 2019 11:26
Operator : JC/SP
Sample : VSTD05033
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

Quant Time: Jun 18 01:38:51 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	214659	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	209146	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	112349	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	73225	51.95	ug/L	0.00
7) Chloroethane-d5	1.67	69	59284	52.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	147560	53.22	ug/L	0.00
21) 2-Butanone-d5	4.17	46	123580	105.71	ug/L	0.00
24) Chloroform-d	4.64	84	144482	54.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	94220	55.68	ug/L	0.00
32) Benzene-d6	5.33	84	279303	51.16	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	89098	51.74	ug/L	0.00
41) Toluene-d8	7.56	98	260474	50.49	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	46083	55.59	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	81026	99.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.42	84	132275	53.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	107325	49.78	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	108184	54.409	ug/L	100
3) Chloromethane	1.32	50	97280	51.535	ug/L	100
5) Vinyl chloride	1.40	62	97439	51.480	ug/L	100
6) Bromomethane	1.62	94	57990	51.774	ug/L	100
8) Chloroethane	1.69	64	55301	49.465	ug/L	100
9) Trichlorofluoromethane	1.88	101	137415	53.239	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	71291	53.214	ug/L	100
12) 1,1-Dichloroethene	2.28	96	66612	51.579	ug/L	100
13) Acetone	2.31	43	165127	127.910	ug/L	100
14) Carbon disulfide	2.47	76	210137	53.230	ug/L	100
15) Methyl Acetate	2.61	43	93985	54.146	ug/L	100
16) Methylene chloride	2.69	84	78658	53.107	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	72323	51.790	ug/L	100
18) Methyl tert-butyl Ether	2.99	73	236267	51.548	ug/L	100
19) 1,1-Dichloroethane	3.44	63	141053	54.646	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	79569	50.591	ug/L	100
22) 2-Butanone	4.25	43	175873	119.121	ug/L	100
23) Bromochloromethane	4.54	128	42400	51.787	ug/L	100
25) Chloroform	4.67	83	144043	54.152	ug/L	100
27) 1,2-Dichloroethane	5.40	62	120514	56.591	ug/L	100
29) Cyclohexane	4.99	56	121915	49.053	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	127517	53.214	ug/L	100
31) Carbon tetrachloride	5.13	117	116331	52.845	ug/L	100
33) Benzene	5.38	78	301507	50.990	ug/L	100
34) Trichloroethene	6.18	95	79698	49.652	ug/L	100
35) Methylcyclohexane	6.41	83	125567	48.599	ug/L	100
37) 1,2-Dichloropropane	6.43	63	82634	52.145	ug/L	100
38) Bromodichloromethane	6.75	83	111022	54.186	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	128970	51.905	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	259997	103.496	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	328882	50.848	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	122105	54.828	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	77396	52.147	ug/L	100
46) Tetrachloroethene	8.22	164	65552	49.566	ug/L	100
48) 2-Hexanone	8.36	43	233238	111.150	ug/L	100
49) Dibromochloromethane	8.47	129	93136	53.590	ug/L	100
50) 1,2-Dibromoethane	8.58	107	85661	51.304	ug/L	100
51) Chlorobenzene	9.11	112	211554	50.732	ug/L	100
52) Ethylbenzene	9.24	91	361737	50.294	ug/L	100
53) m,p-Xylene	9.37	106	136424	49.963	ug/L	100
54) o-xylene	9.77	106	134155	49.588	ug/L	100
55) Styrene	9.79	104	235145	51.779	ug/L	100
56) Isopropylbenzene	10.16	105	358528	50.214	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	135254	52.994	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	107815	52.605	ug/L	100
61) Bromoform	9.95	173	72452	53.117	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	170732	50.110	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	175332	49.972	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	174529	50.583	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	33815	57.340	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	135673	50.900	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	122847	54.454	ug/L	100
69) Naphthalene	13.74	128	382207	54.007	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	127524	53.949	ug/L	100

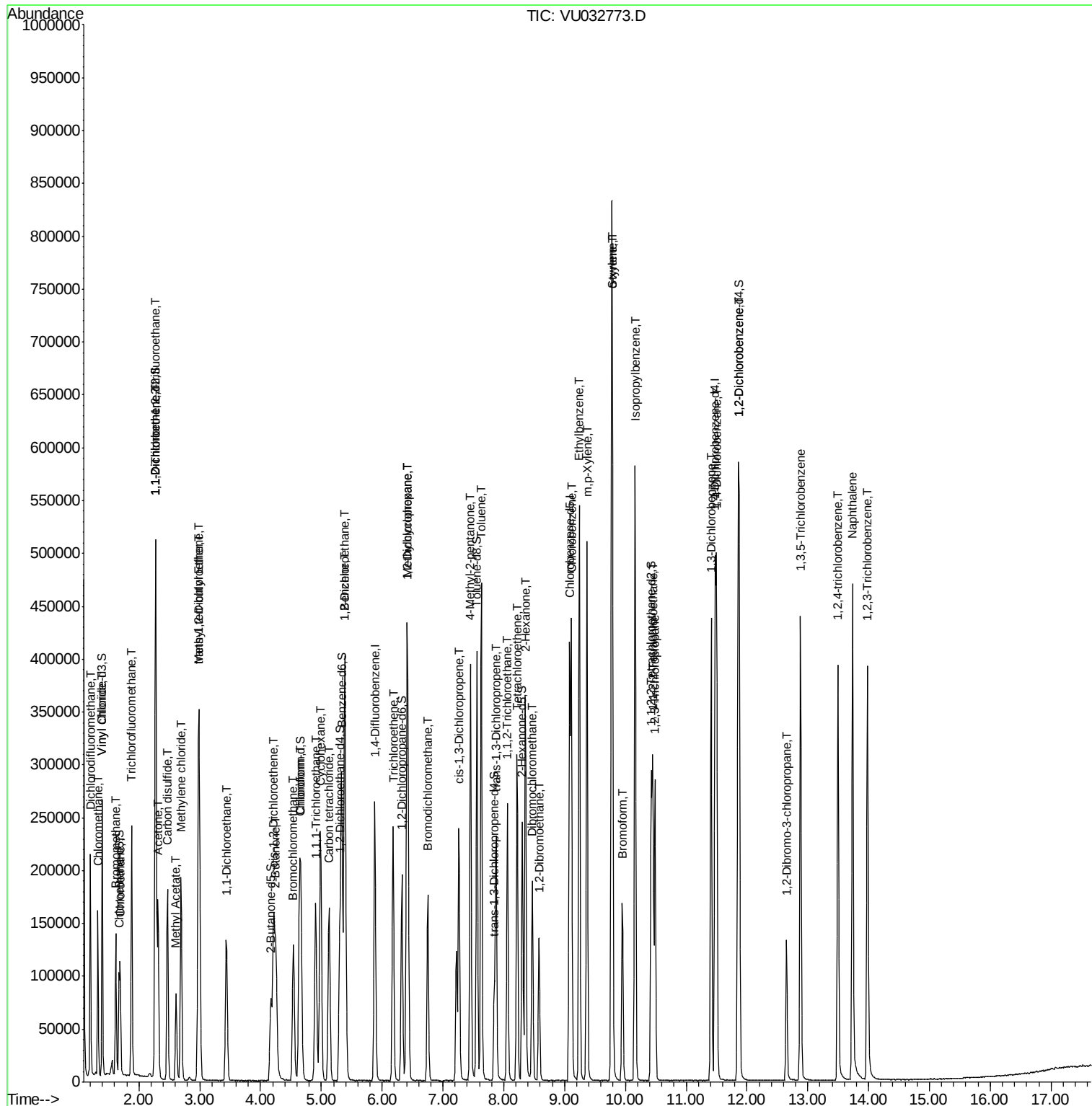
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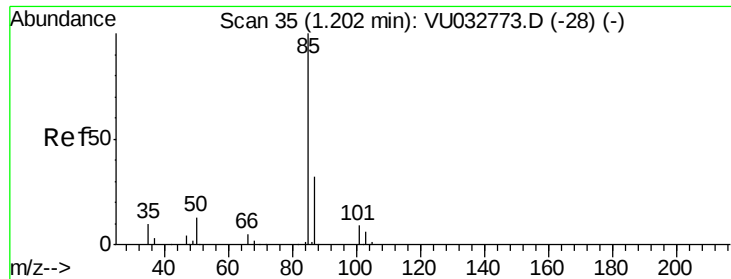
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#2

Dichlorodifluoromethane

Concen: 54.409 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

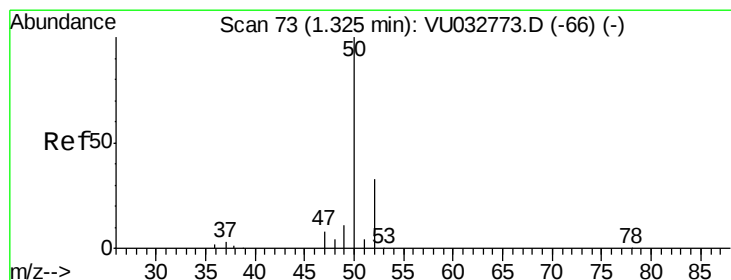
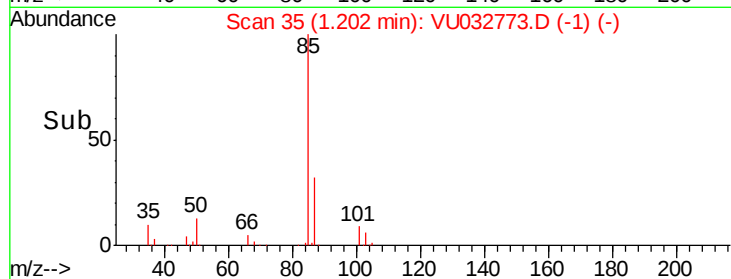
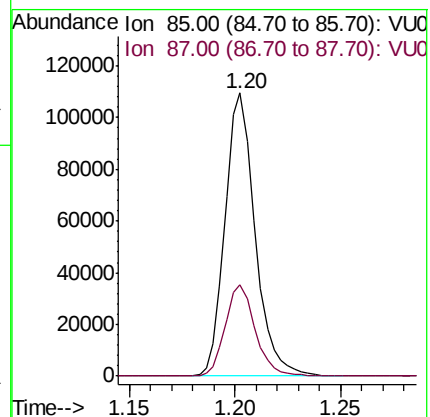
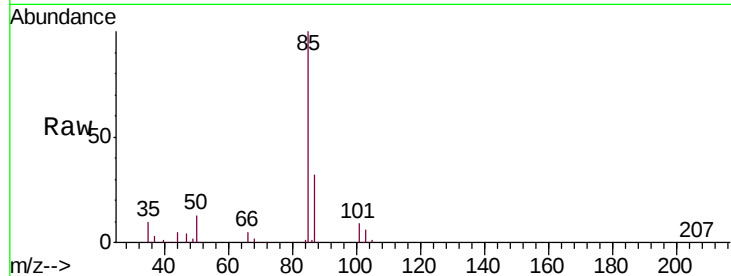
VSTD05033

Tgt Ion: 85 Resp: 108184

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



#3

Chloromethane

Concen: 51.535 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032773.D

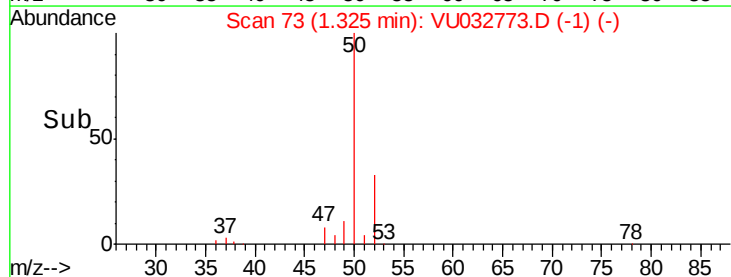
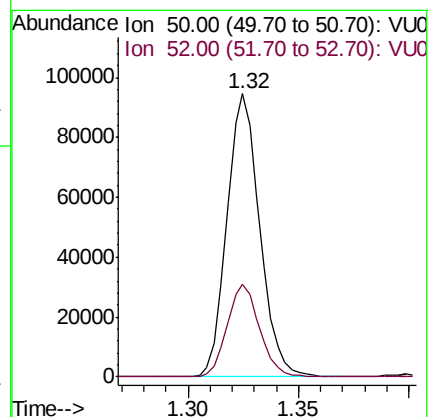
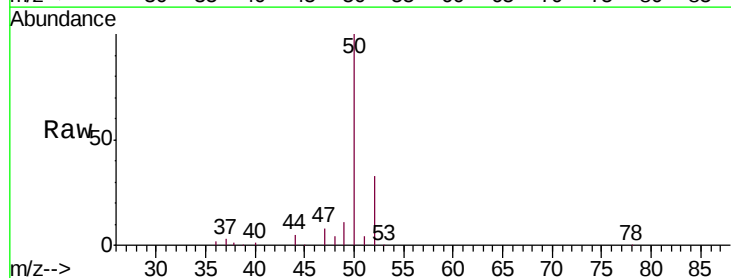
Acq: 17 Jun 2019 11:26

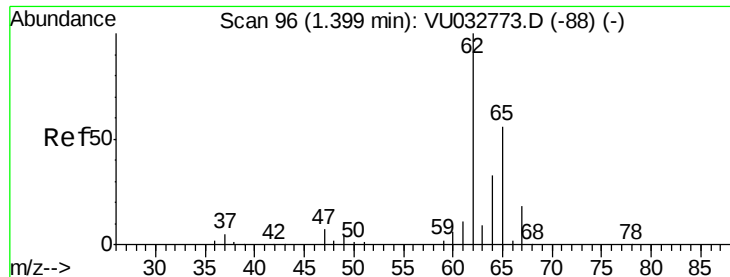
Tgt Ion: 50 Resp: 97280

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.6





#5

Vinyl chloride

Concen: 51.480 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

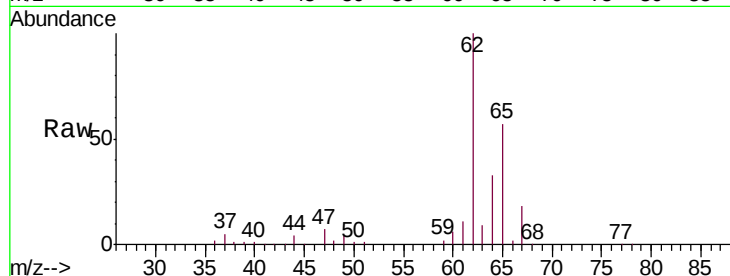
VSTD05033

Tgt Ion: 62 Resp: 97439

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

100000

80000

60000

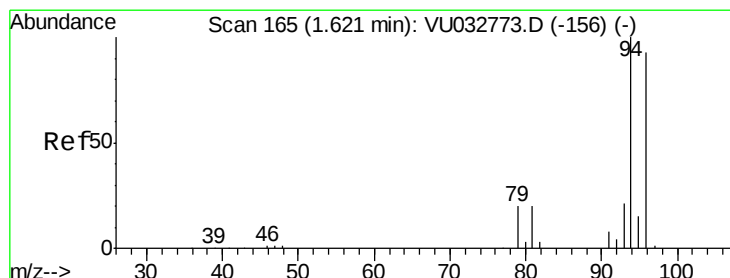
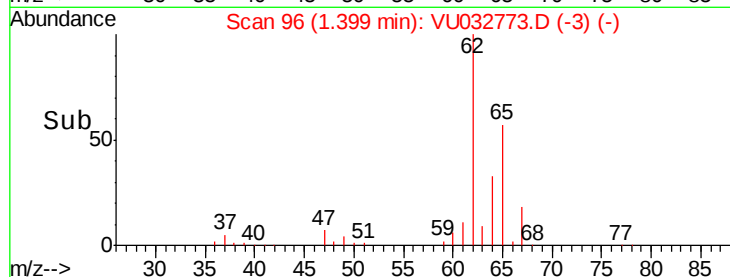
40000

20000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 51.774 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU032773.D

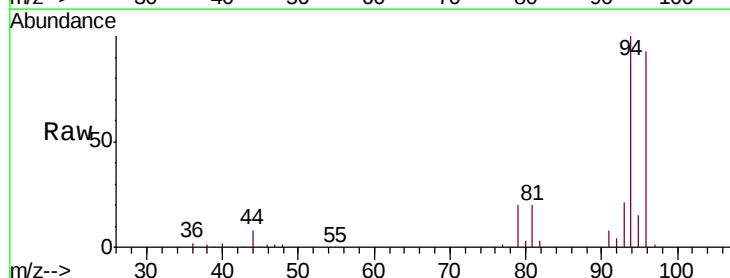
Acq: 17 Jun 2019 11:26

Tgt Ion: 94 Resp: 57990

Ion Ratio Lower Upper

94 100

96 92.6 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

50000

40000

30000

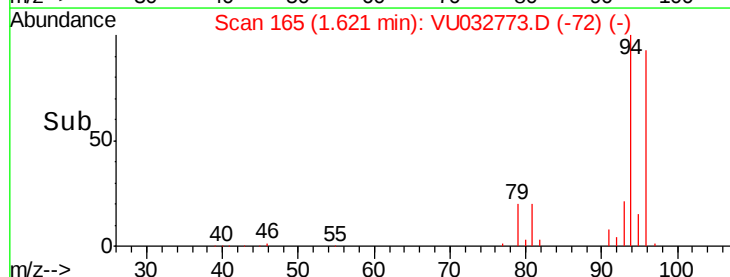
20000

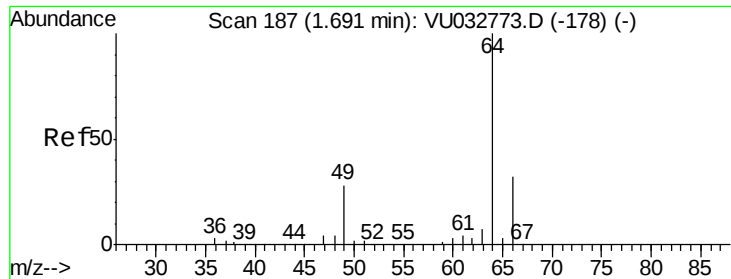
10000

0

Time-->

1.55 1.60 1.65 1.70

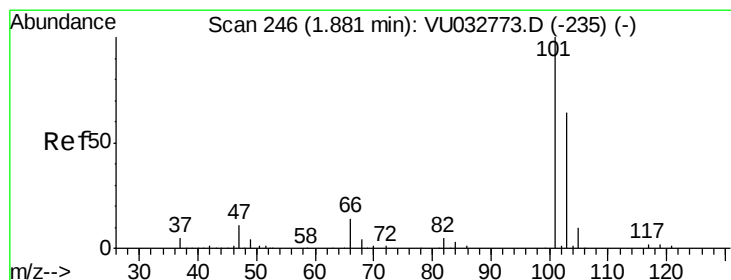
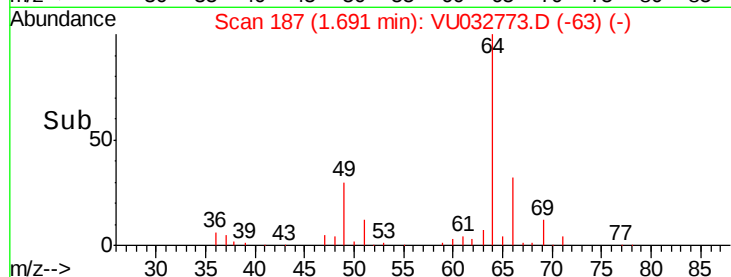
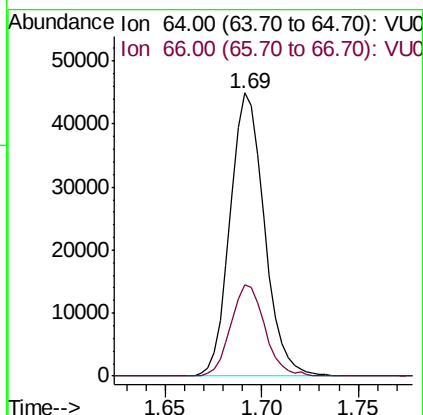
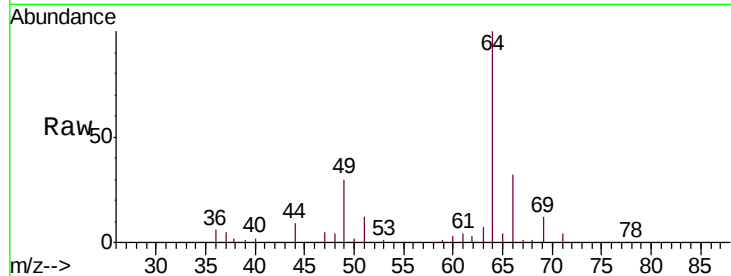




#8
Chloroethane
Concen: 49.465 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU032773.D
Acq: 17 Jun 2019 11:26

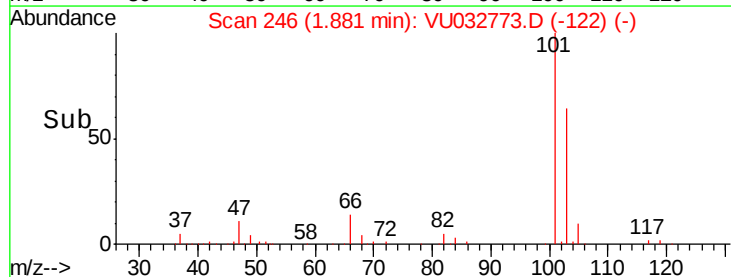
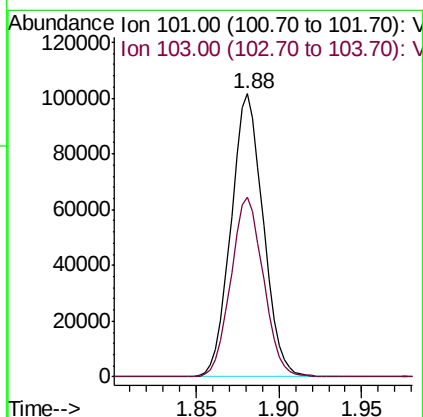
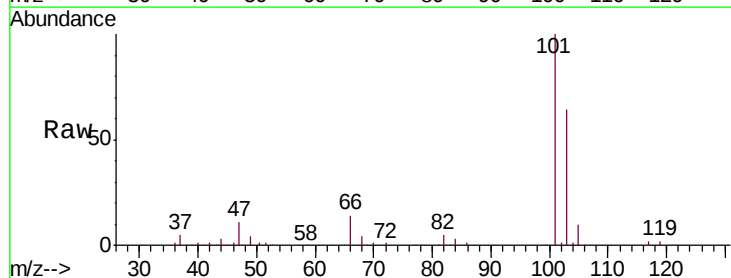
Instrument :
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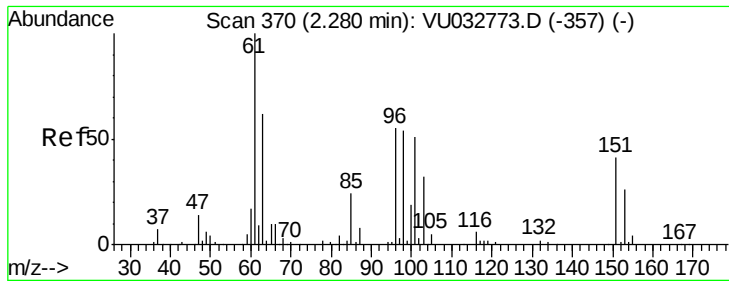
Tgt Ion: 64 Resp: 55301
Ion Ratio Lower Upper
64 100
66 32.1 22.5 41.7



#9
Trichlorofluoromethane
Concen: 53.239 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU032773.D
Acq: 17 Jun 2019 11:26

Tgt Ion: 101 Resp: 137415
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9





#10

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

Concen: 53.214 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

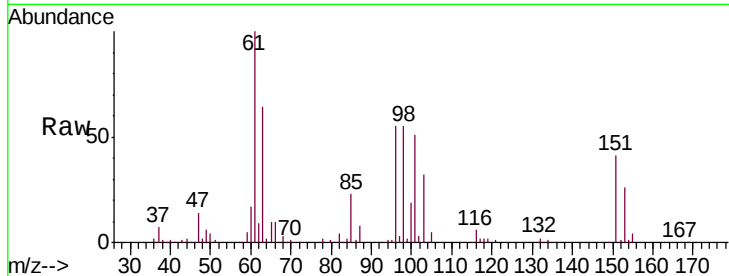
Tgt Ion:101 Resp: 71291

Ion Ratio Lower Upper

101 100

85 46.0 36.8 55.2

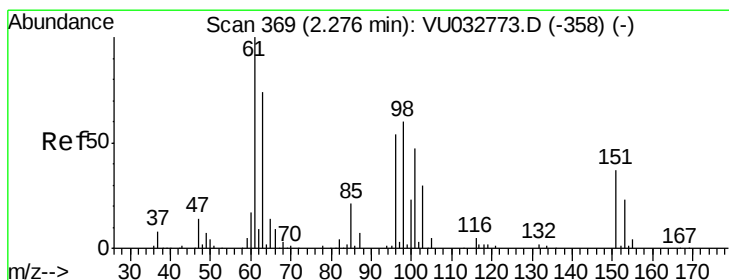
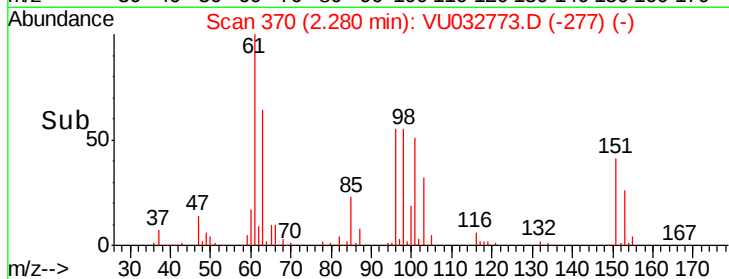
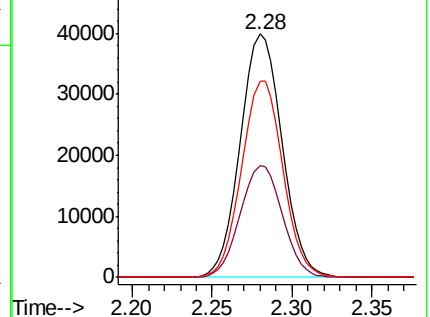
151 79.5 63.6 95.4



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: 51.579 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

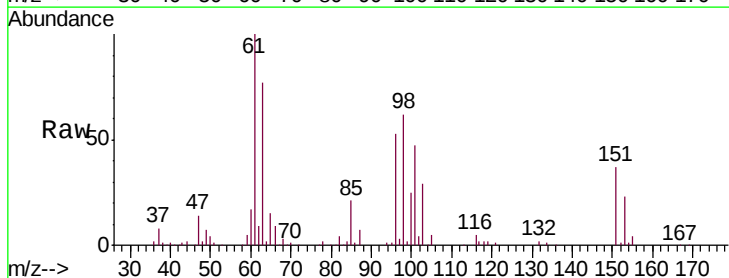
Tgt Ion: 96 Resp: 66612

Ion Ratio Lower Upper

96 100

61 187.2 131.0 243.4

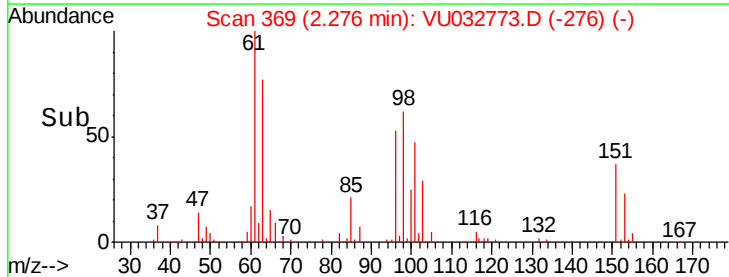
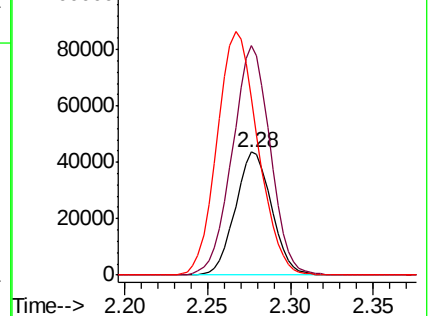
63 144.3 101.0 187.6

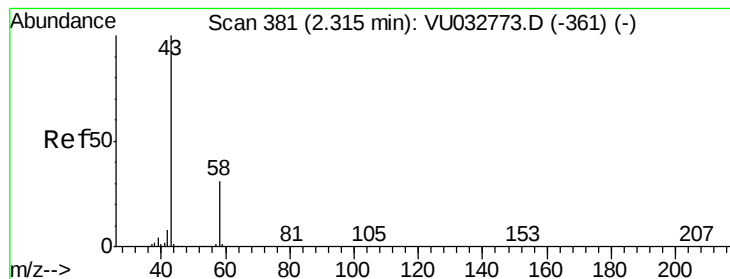


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 127.910 ug/L

RT: 2.31 min Scan# 381

Delta R.T. 0.00 min

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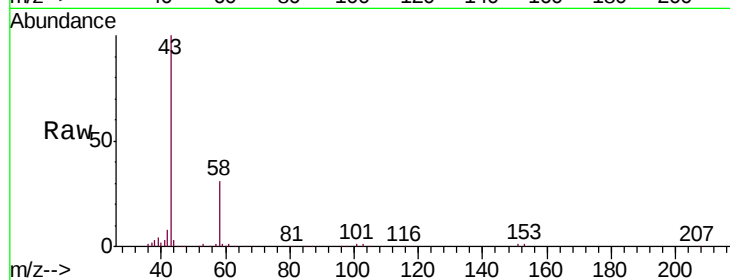
VSTD05033

Tgt Ion: 43 Resp: 165127

Ion Ratio Lower Upper

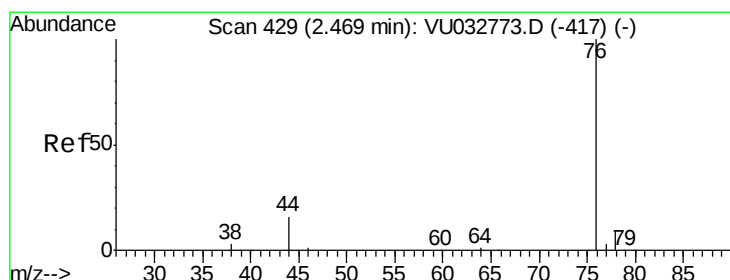
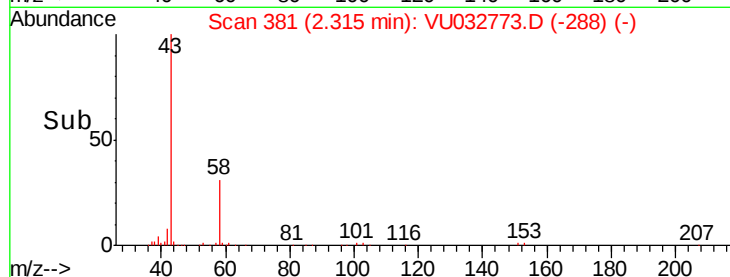
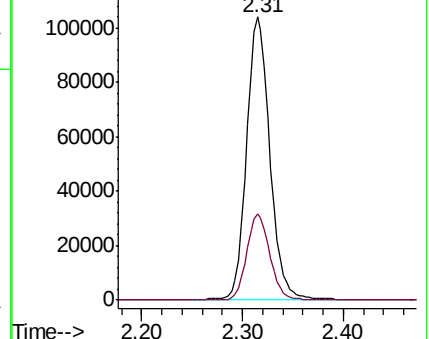
43 100

58 30.3 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032773.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU032773.D (-361) (-)



#14

Carbon disulfide

Concen: 53.230 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032773.D

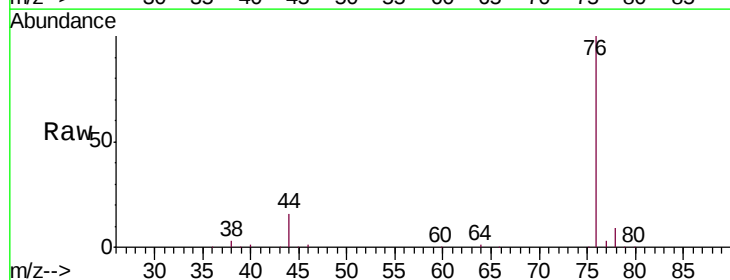
Acq: 17 Jun 2019 11:26

Tgt Ion: 76 Resp: 210137

Ion Ratio Lower Upper

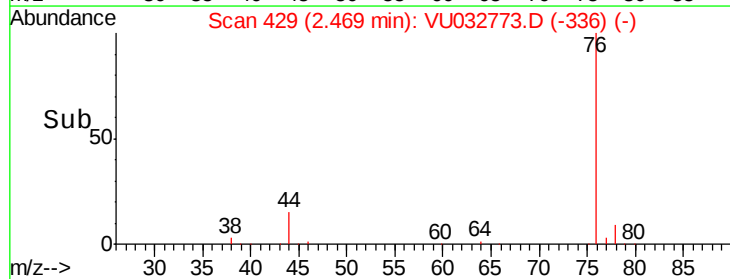
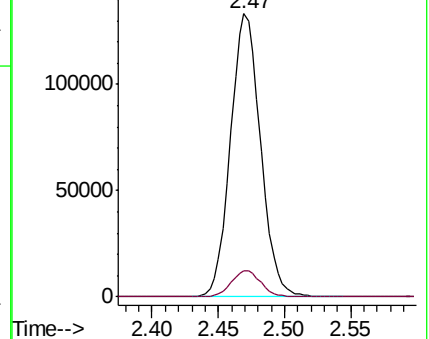
76 100

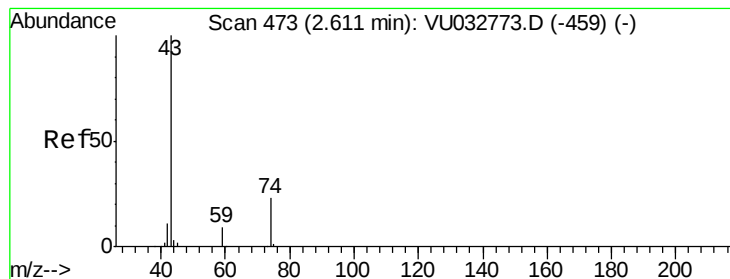
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU032773.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032773.D (-417) (-)





#15

Methyl Acetate

Concen: 54.146 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

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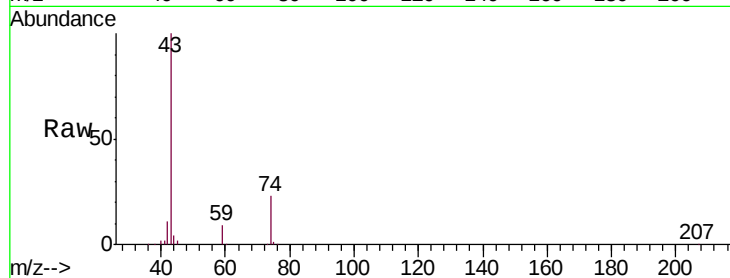
VSTD05033

Tgt Ion: 43 Resp: 93985

Ion Ratio Lower Upper

43 100

74 22.6 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VU032773.D (-459) (-)

Ion 74.00 (73.70 to 74.70): VU032773.D (-459) (-)

2.61

60000

50000

40000

30000

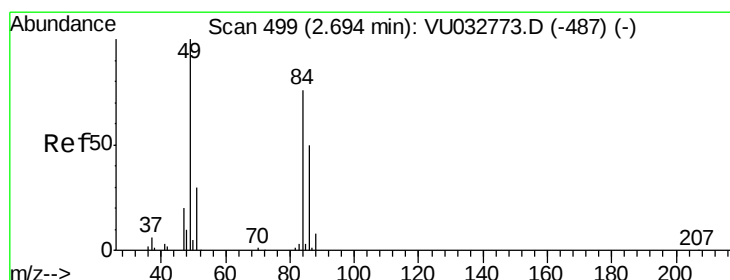
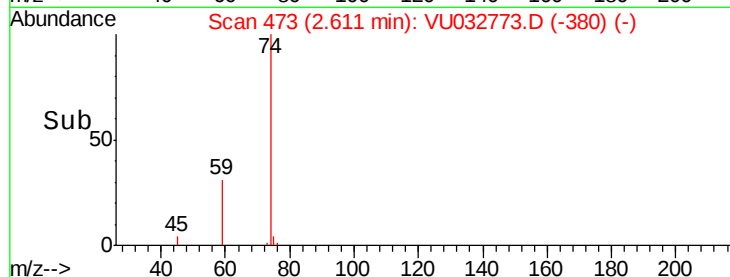
20000

10000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 53.107 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

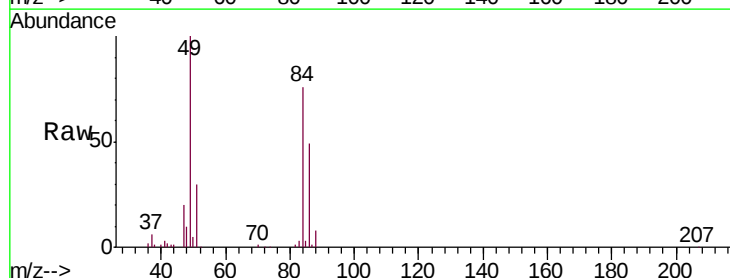
Tgt Ion: 84 Resp: 78658

Ion Ratio Lower Upper

84 100

86 65.0 45.5 84.5

49 131.6 92.1 171.1



Abundance Ion 84.00 (83.70 to 84.70): VU032773.D (-487) (-)

Ion 86.00 (85.70 to 86.70): VU032773.D (-487) (-)

Ion 49.00 (48.70 to 49.70): VU032773.D (-487) (-)

80000

60000

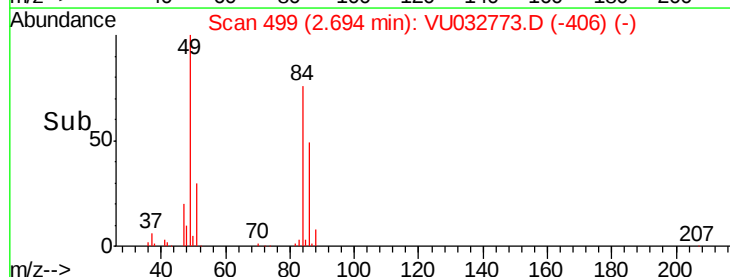
40000

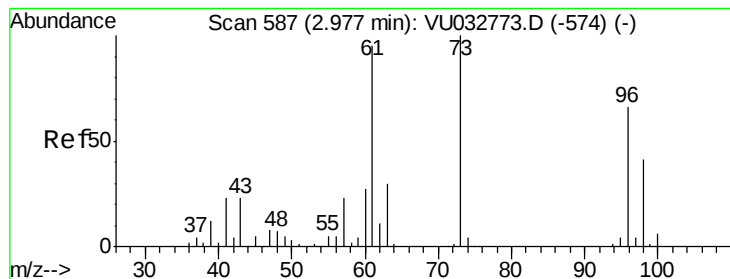
20000

0

Time-->

2.65 2.70 2.75





#17

trans-1,2-Dichloroethene

Concen: 51.790 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

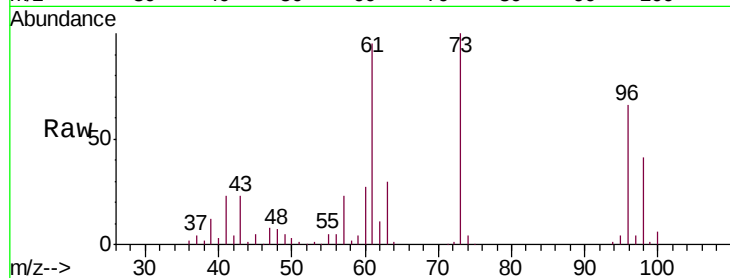
Tgt Ion: 96 Resp: 72323

Ion Ratio Lower Upper

96 100

61 144.2 100.9 187.5

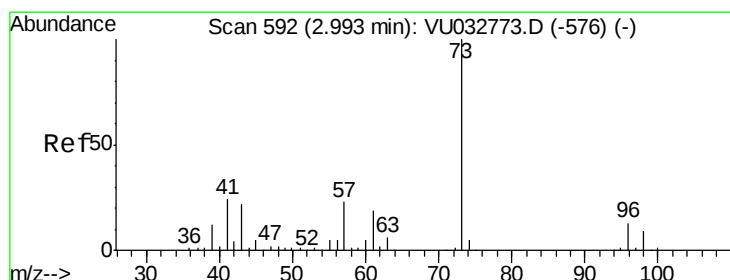
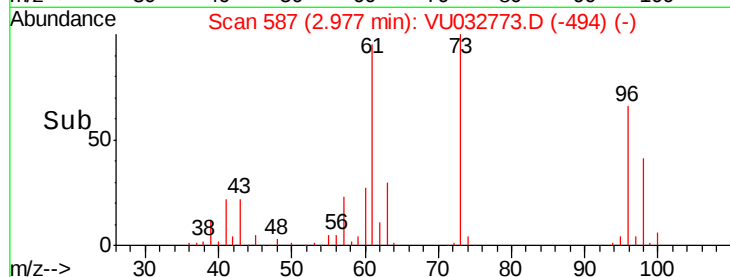
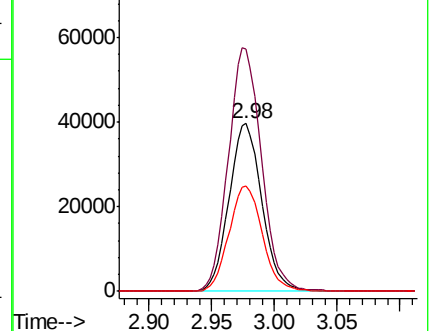
98 62.9 44.0 81.8



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: 51.548 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

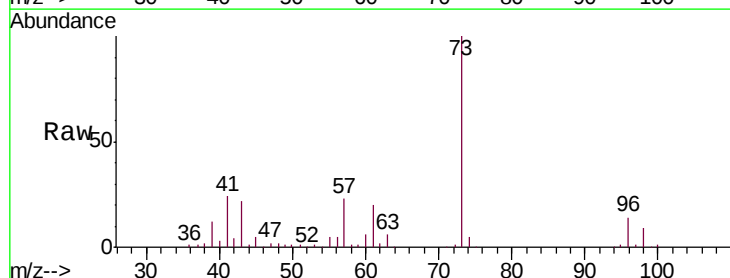
Tgt Ion: 73 Resp: 236267

Ion Ratio Lower Upper

73 100

43 22.3 17.8 26.8

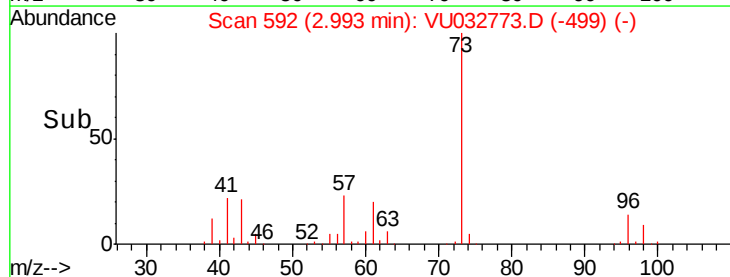
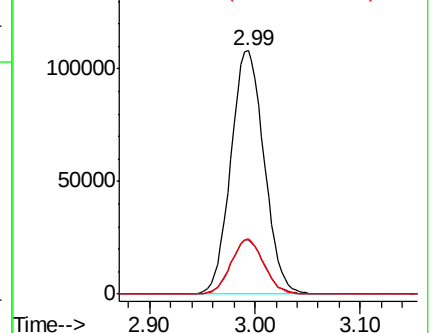
57 22.2 17.8 26.6

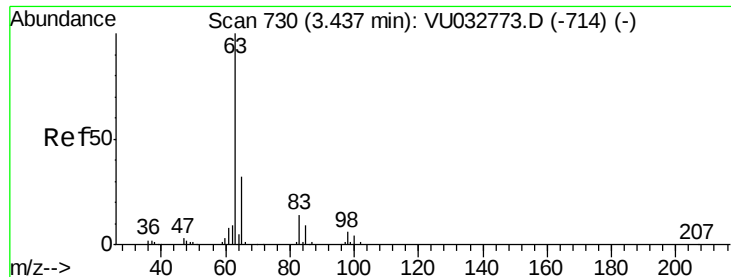


Abundance Ion 73.00 (72.70 to 73.70): VU032773.D (-576) (-)

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

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

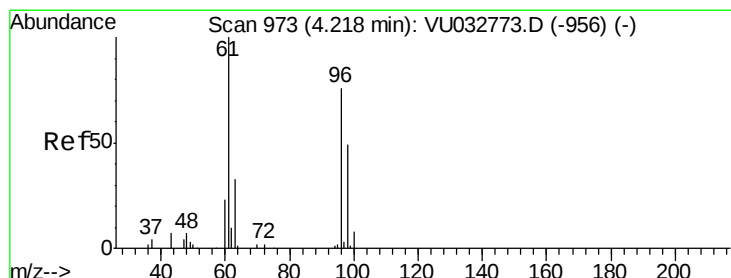
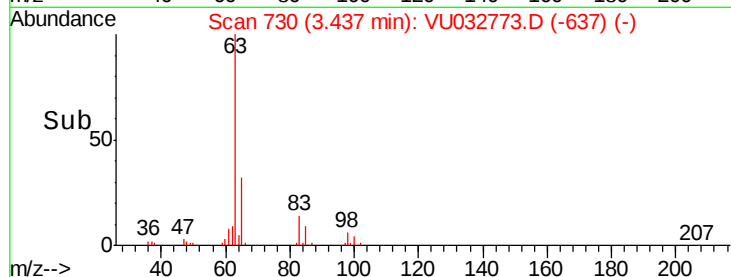
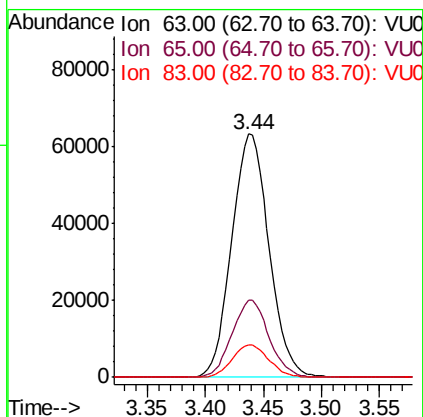
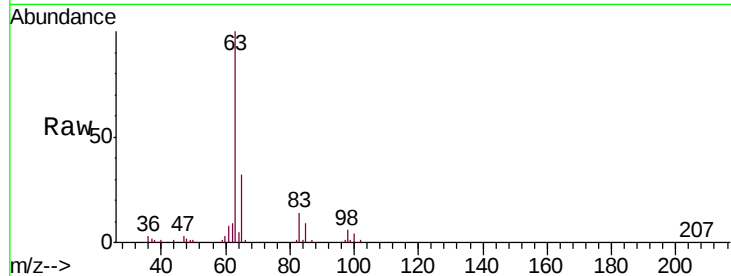




#19
 1,1-Dichloroethane
 Concen: 54.646 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

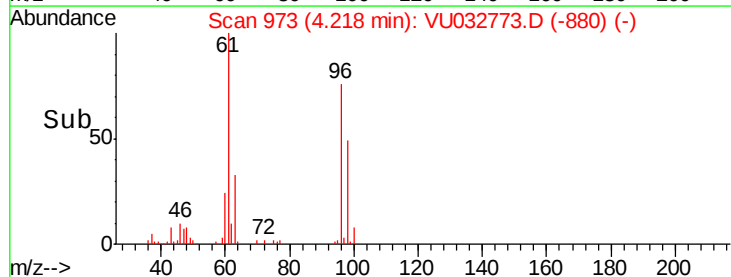
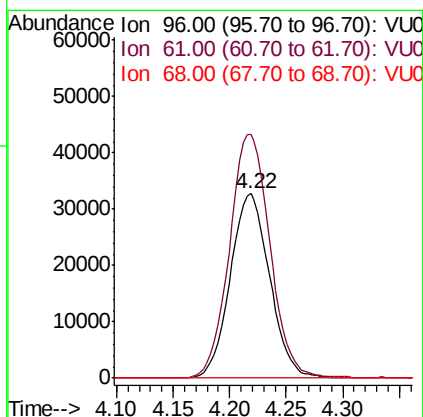
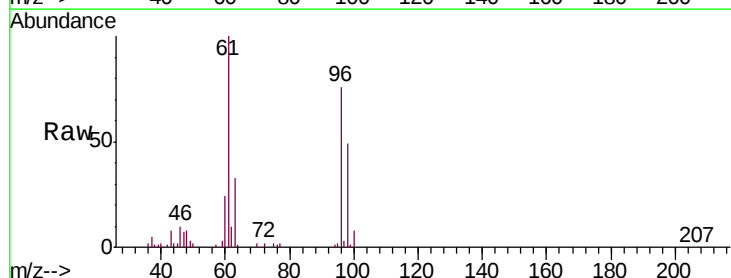
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

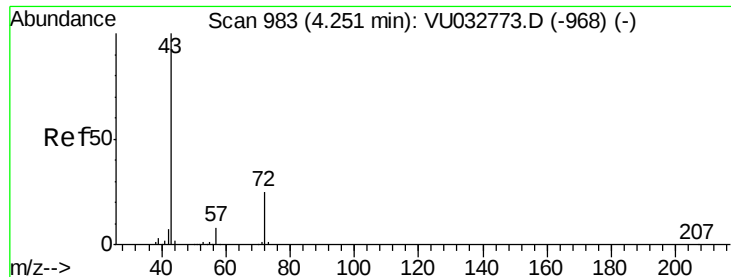
Tgt Ion: 63 Resp: 141053
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 41.0
 83 13.6 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 50.591 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

Tgt Ion: 96 Resp: 79569
 Ion Ratio Lower Upper
 96 100
 61 132.0 92.4 171.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 119.121 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

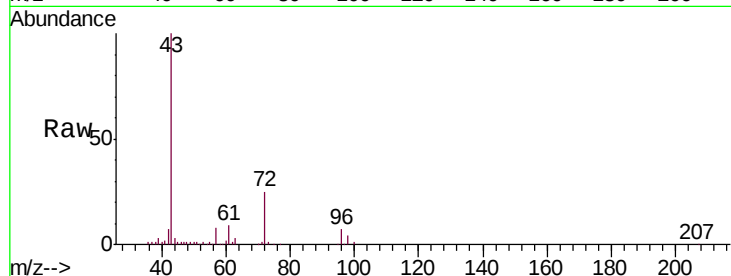
VSTD05033

Tgt Ion: 43 Resp: 175873

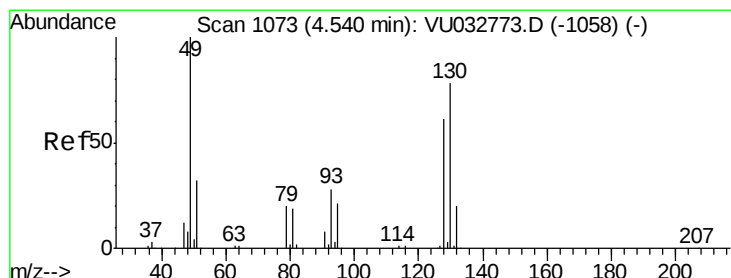
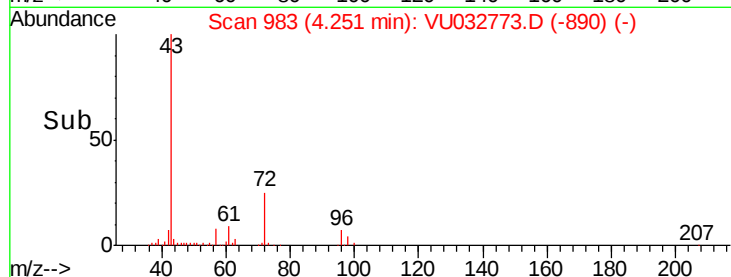
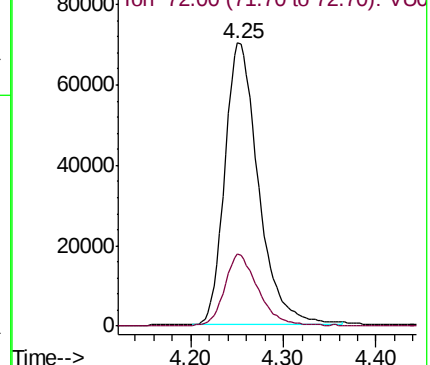
Ion Ratio Lower Upper

43 100

72 25.7 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU032773.D (-968) (-)



#23

Bromochloromethane

Concen: 51.787 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Tgt Ion: 128 Resp: 42400

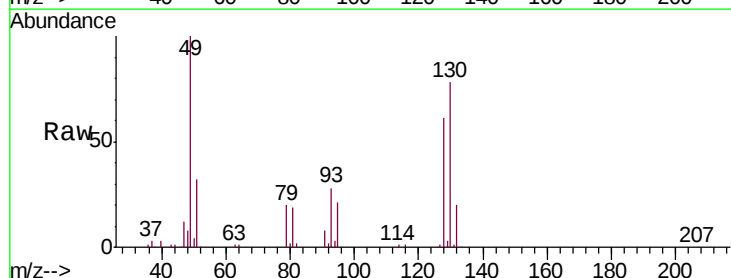
Ion Ratio Lower Upper

128 100

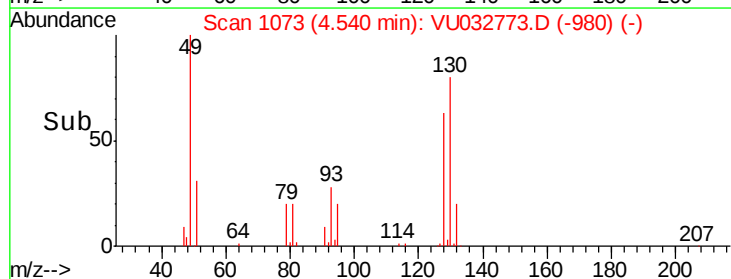
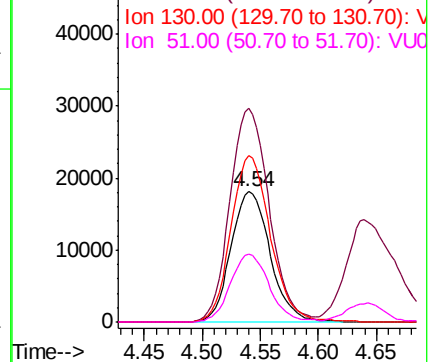
49 163.8 114.7 212.9

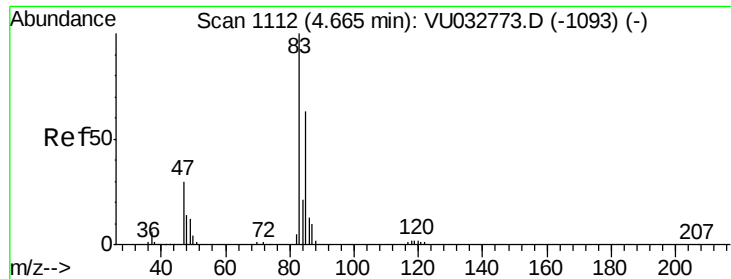
130 127.7 89.4 166.0

51 52.5 42.0 63.0



Abundance Ion 128.00 (127.70 to 128.70): VU032773.D (-1058) (-)

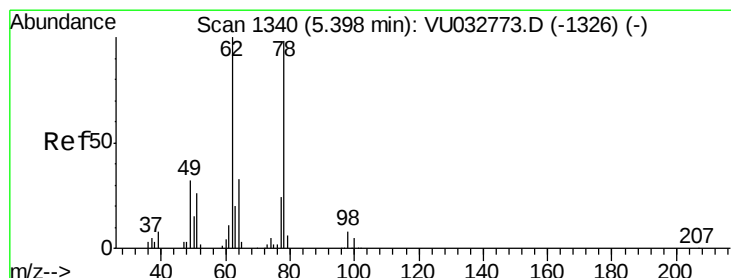
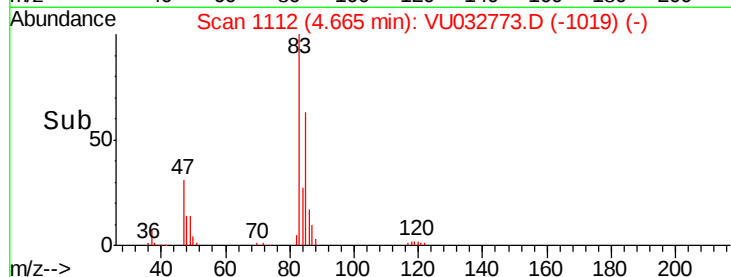
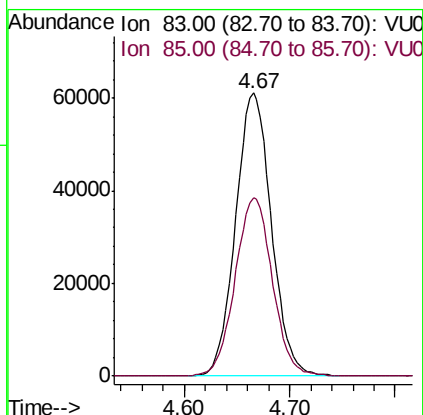
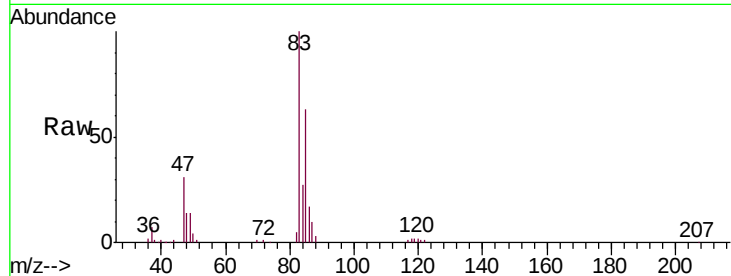




#25
Chloroform
Concen: 54.152 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032773.D
Acq: 17 Jun 2019 11:26

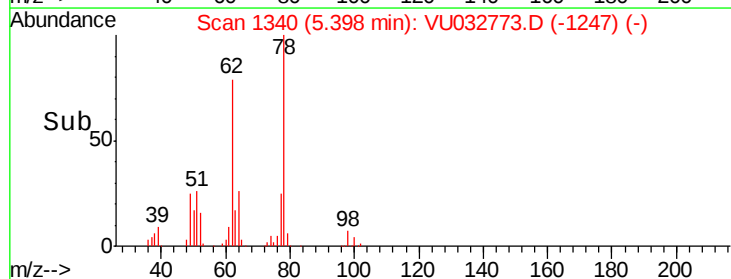
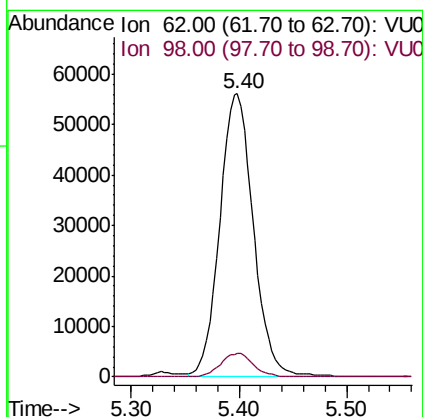
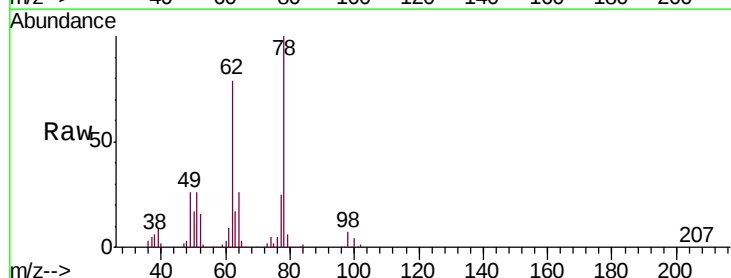
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

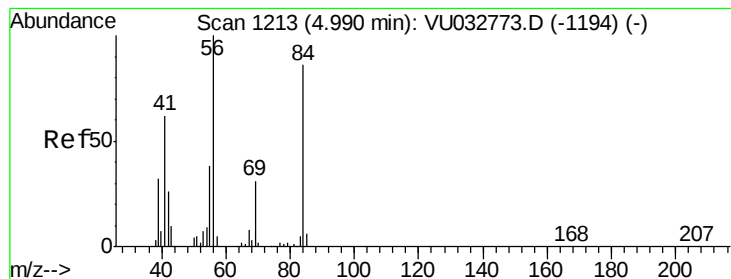
Tgt Ion: 83 Resp: 144043
Ion Ratio Lower Upper
83 100
85 63.2 44.2 82.2



#27
1,2-Dichloroethane
Concen: 56.591 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032773.D
Acq: 17 Jun 2019 11:26

Tgt Ion: 62 Resp: 120514
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0





#29

Cyclohexane

Concen: 49.053 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

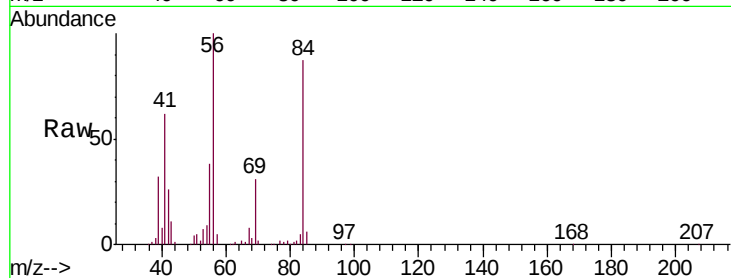
Tgt Ion: 56 Resp: 121915

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.4

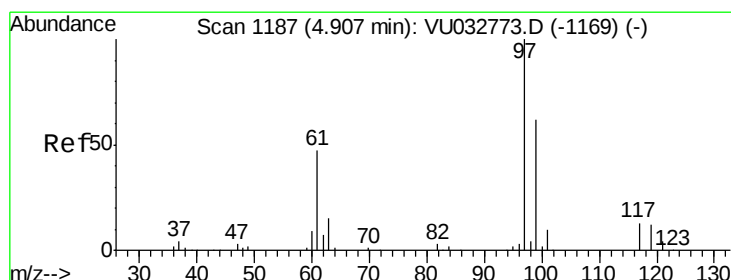
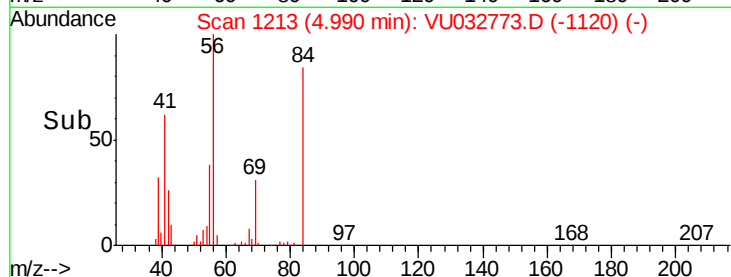
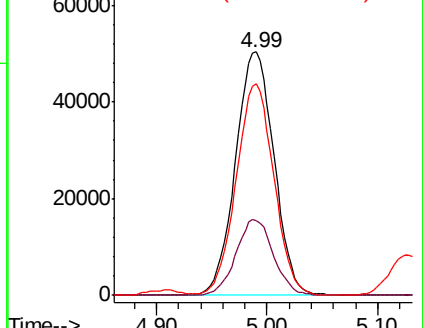
84 85.0 68.0 102.0



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: 53.214 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

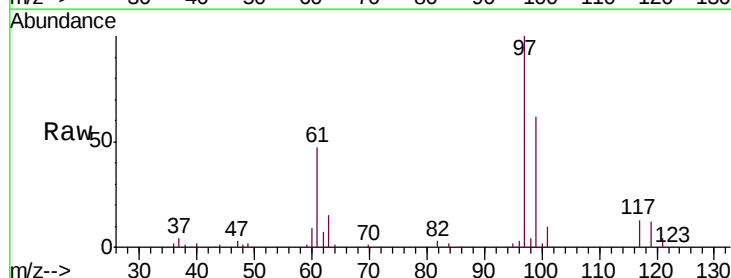
Tgt Ion: 97 Resp: 127517

Ion Ratio Lower Upper

97 100

99 63.4 50.7 76.1

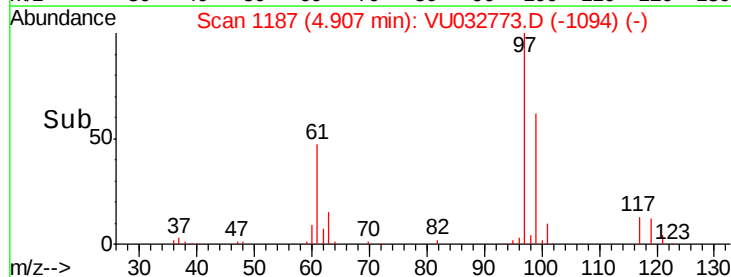
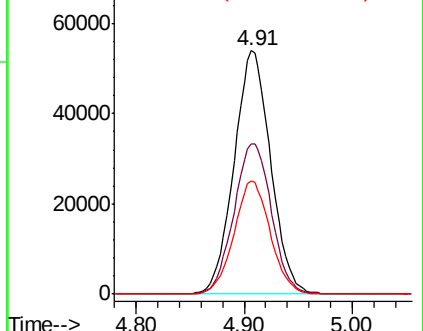
61 45.9 36.7 55.1

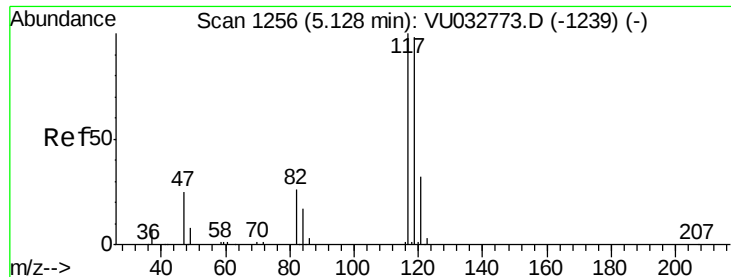


Abundance Ion 97.00 (96.70 to 97.70): VU032773.D (-1169) (-)

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

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

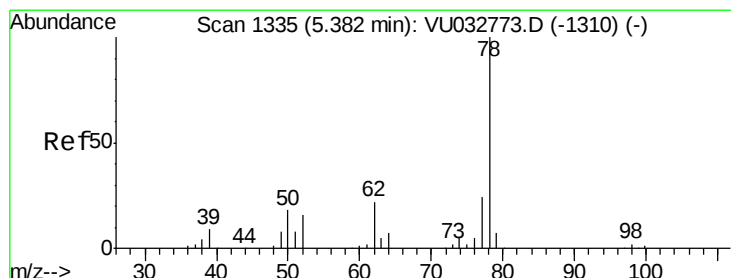
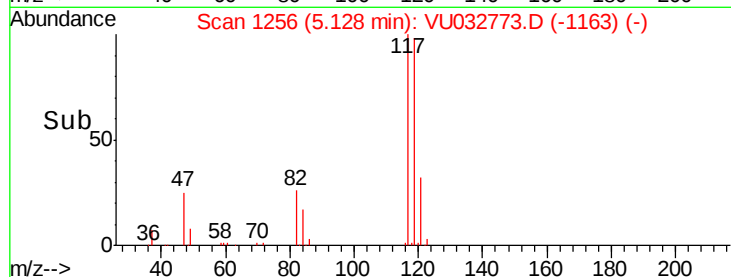
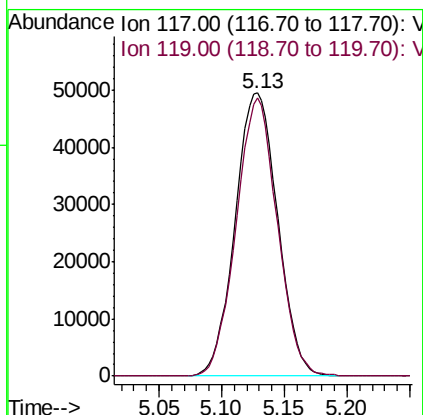
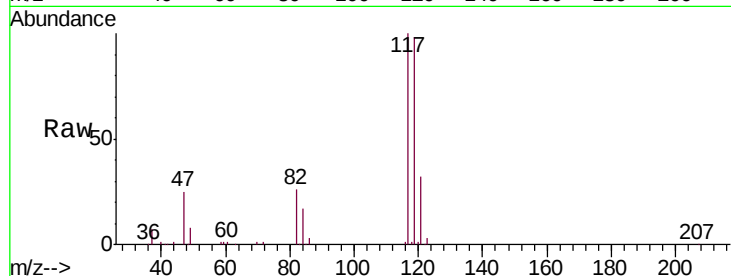




#31
Carbon tetrachloride
Concen: 52.845 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU032773.D
Acq: 17 Jun 2019 11:26

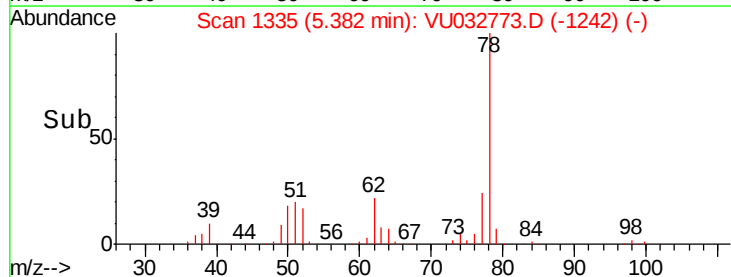
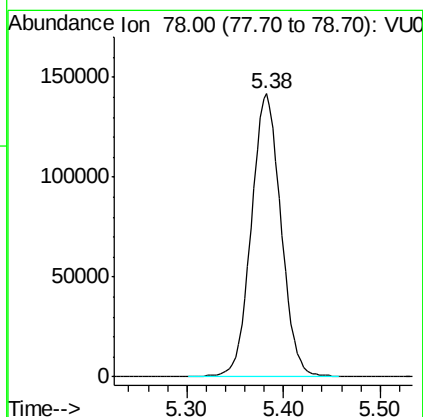
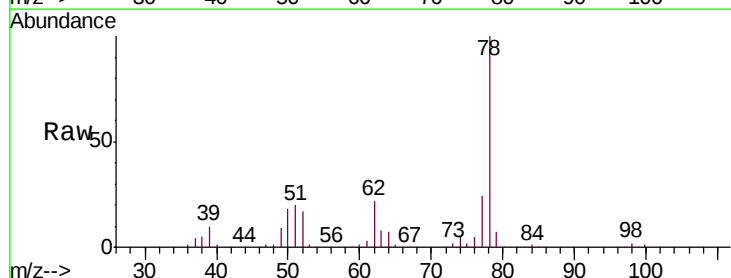
Instrument :
MSVOA_U
ClientSampled :
VSTD05033

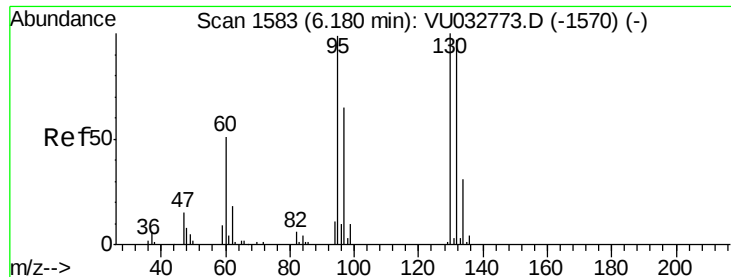
Tgt Ion:117 Resp: 116331
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5



#33
Benzene
Concen: 50.990 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU032773.D
Acq: 17 Jun 2019 11:26

Tgt Ion: 78 Resp: 301507

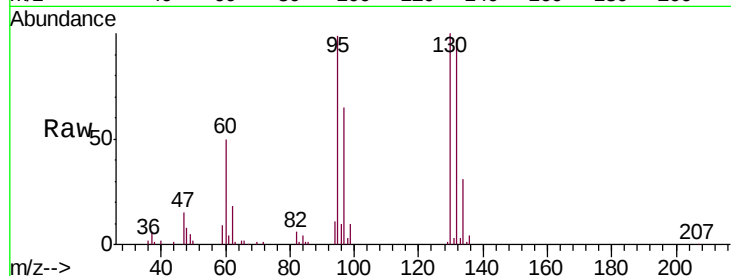




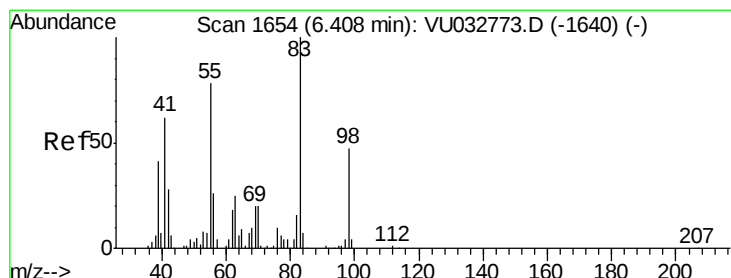
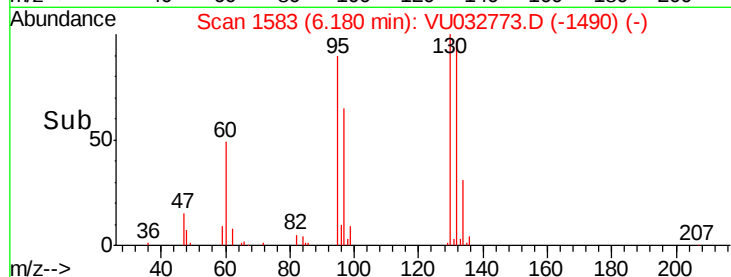
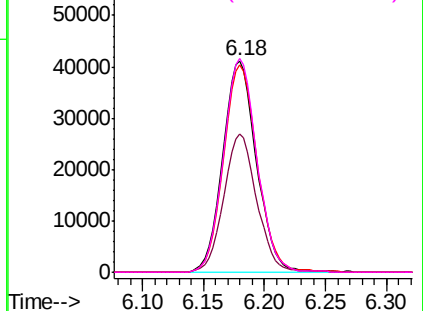
#34
 Trichloroethene
 Concen: 49.652 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Tgt Ion: 95 Resp: 79698
 Ion Ratio Lower Upper
 95 100
 97 65.6 45.9 85.3
 132 97.9 68.5 127.3
 130 101.1 70.8 131.4

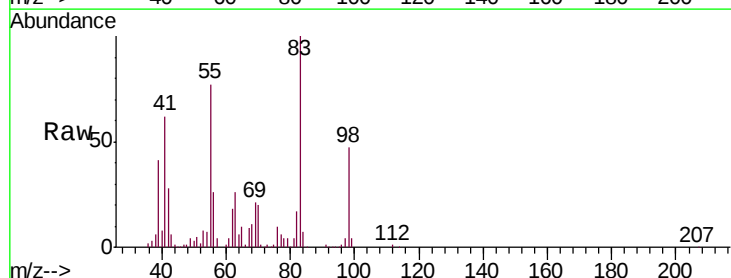


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

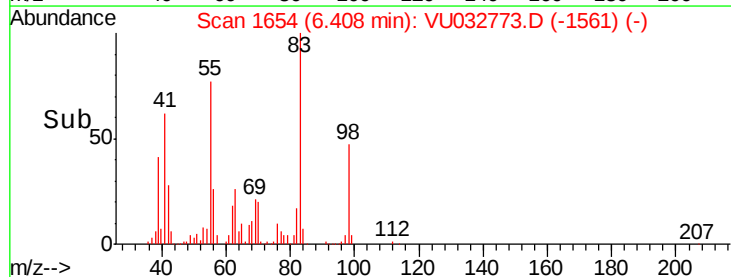
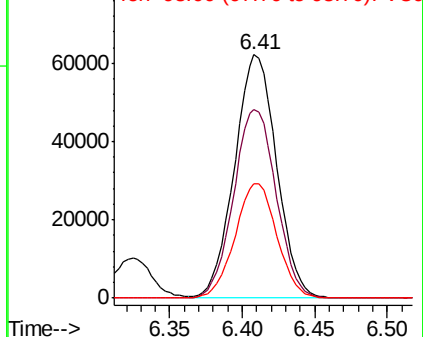


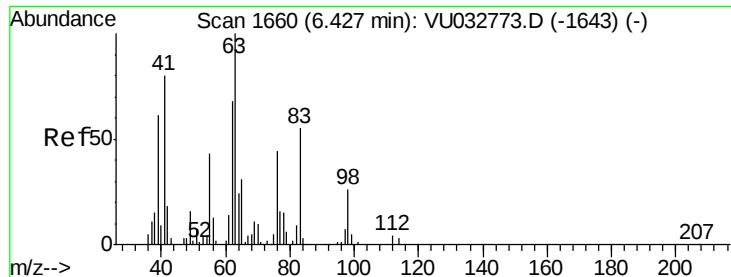
#35
 Methylcyclohexane
 Concen: 48.599 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

Tgt Ion: 83 Resp: 125567
 Ion Ratio Lower Upper
 83 100
 55 78.3 62.6 94.0
 98 46.7 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

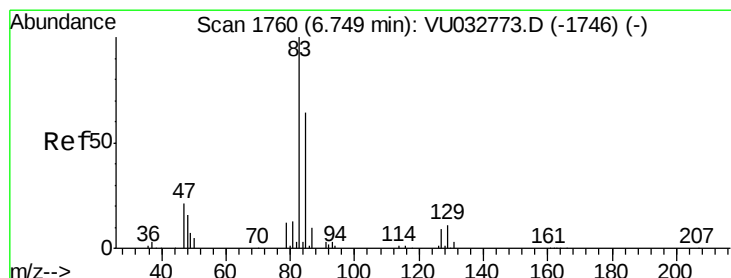
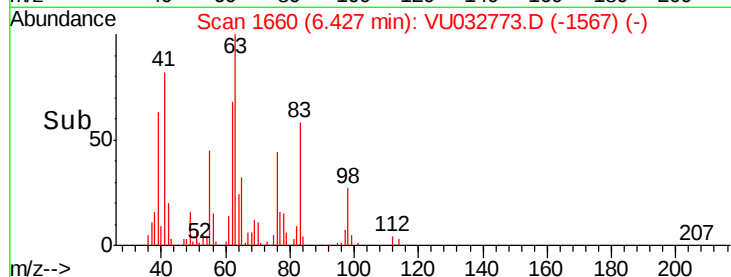
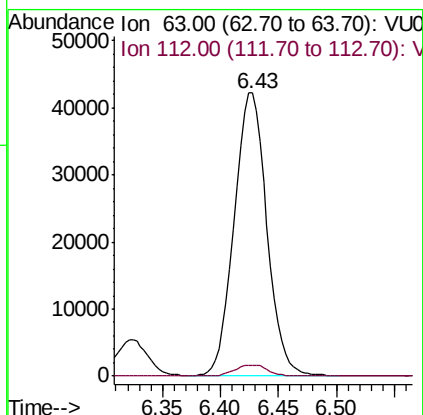
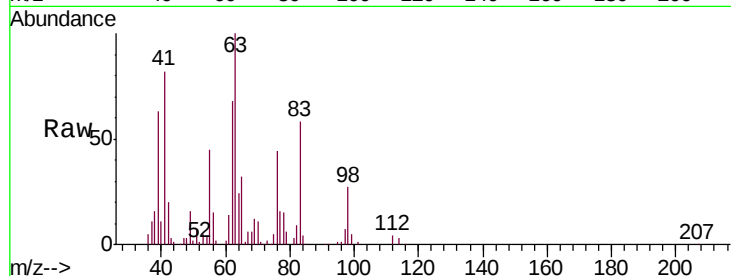




#37
 1,2-Dichloropropane
 Concen: 52.145 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

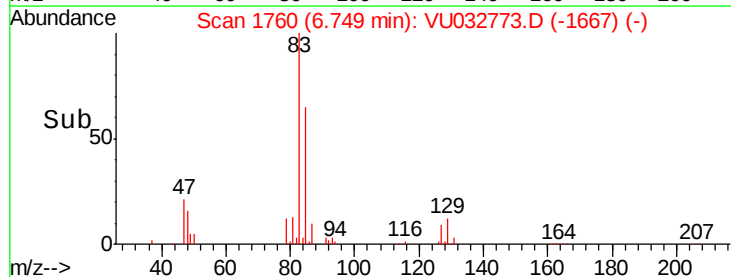
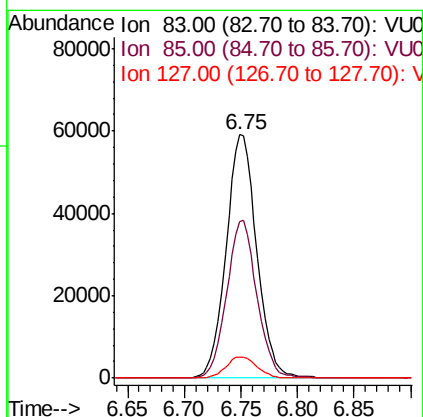
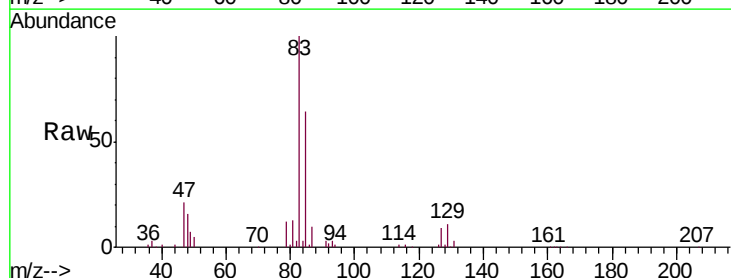
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

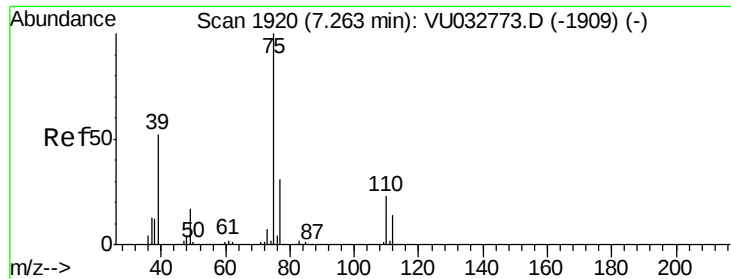
Tgt Ion: 63 Resp: 82634
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 54.186 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

Tgt Ion: 83 Resp: 111022
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.0 83.6
 127 8.8 7.0 10.6

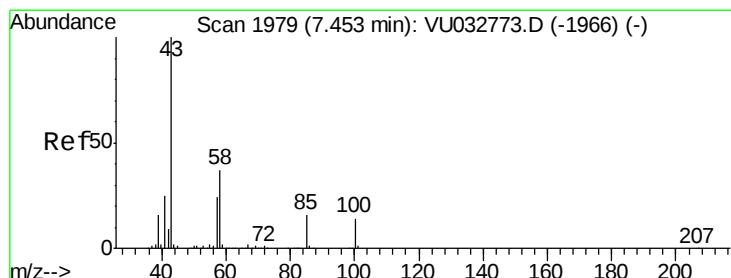
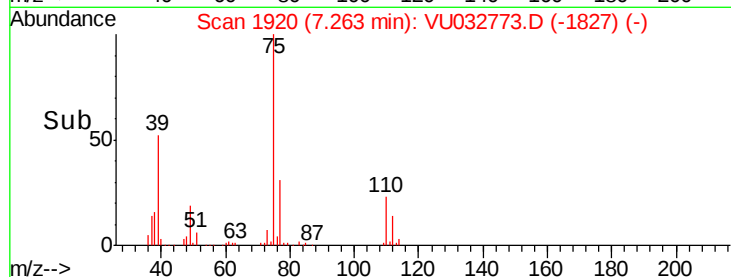
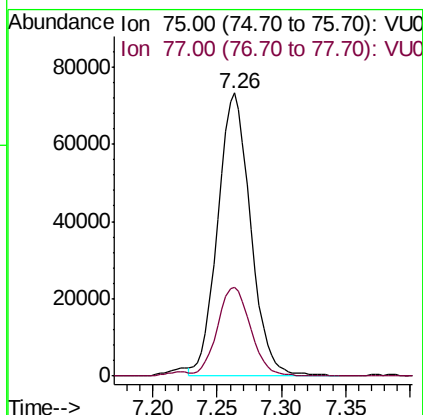
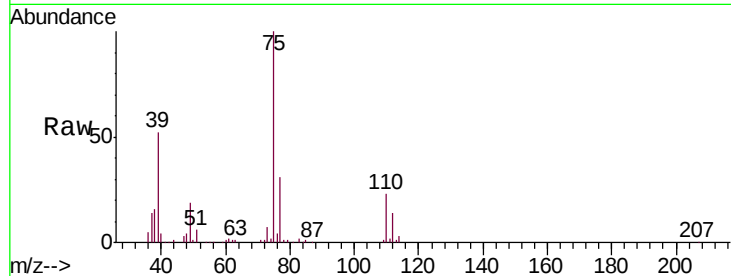




#39
 cis-1,3-Dichloropropene
 Concen: 51.905 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

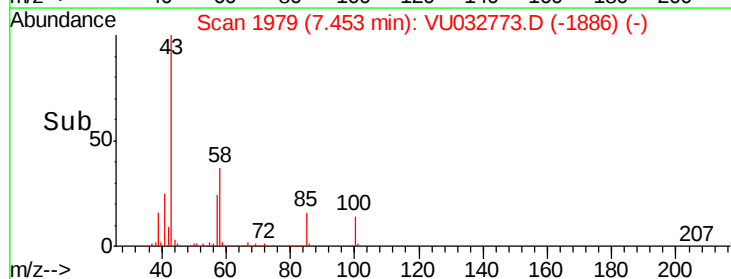
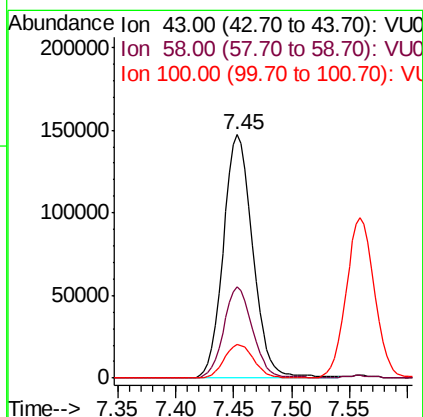
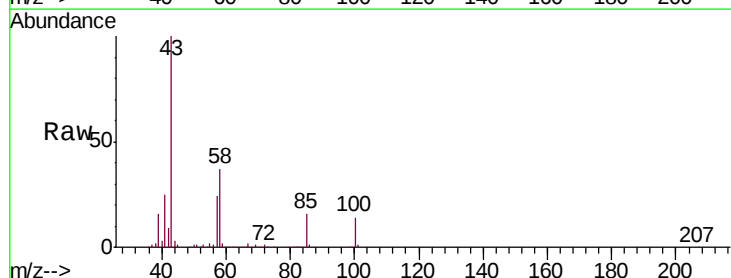
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

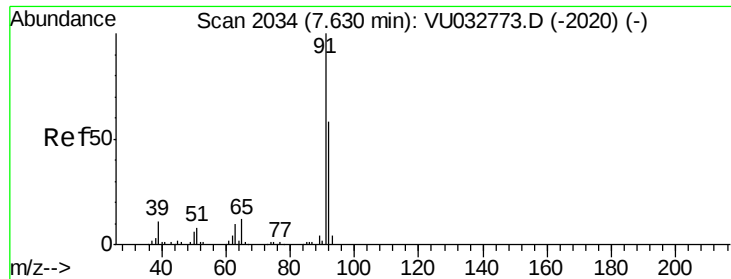
Tgt Ion: 75 Resp: 128970
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 103.496 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

Tgt Ion: 43 Resp: 259997
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.4 44.2
 100 14.0 11.2 16.8





#42

Toluene

Concen: 50.848 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

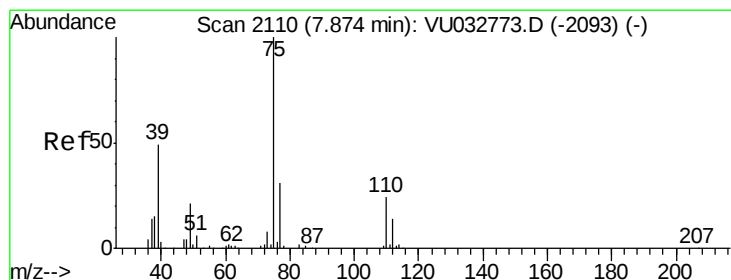
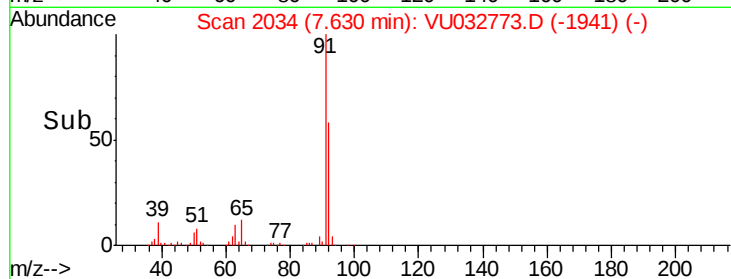
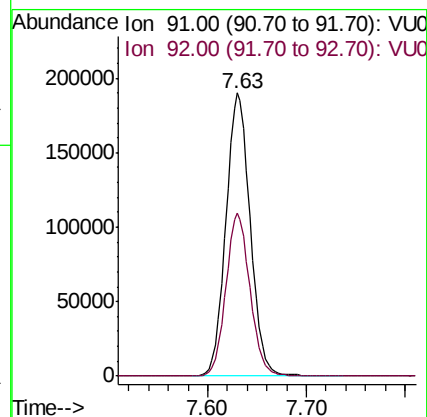
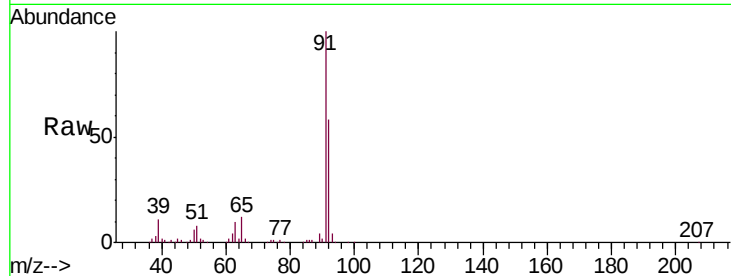
VSTD05033

Tgt Ion: 91 Resp: 328882

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 54.828 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032773.D

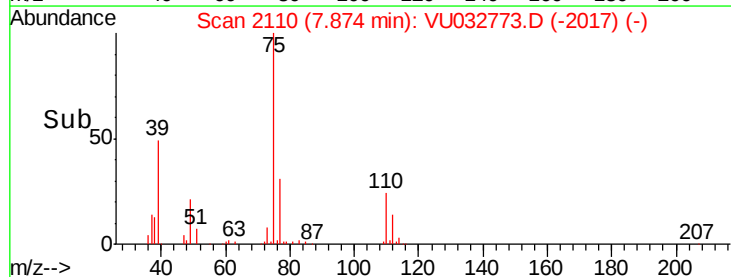
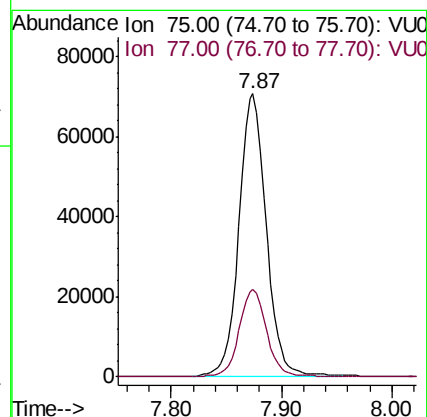
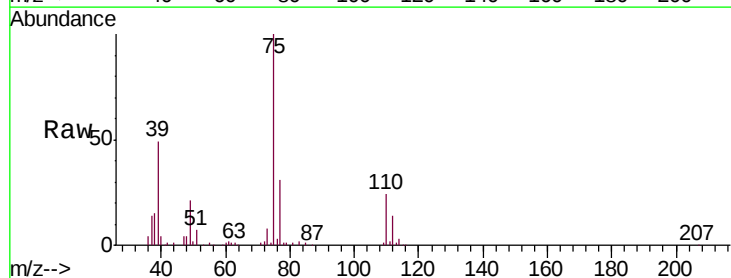
Acq: 17 Jun 2019 11:26

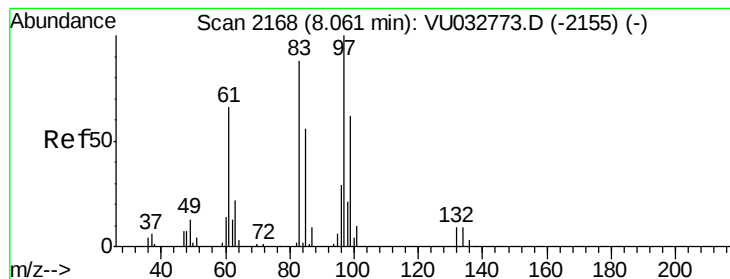
Tgt Ion: 75 Resp: 122105

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 52.147 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

Tgt Ion: 97 Resp: 77396

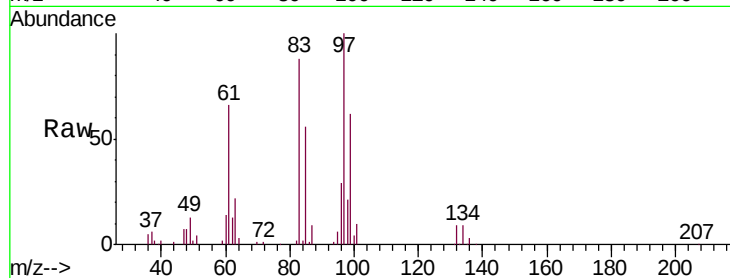
Ion Ratio Lower Upper

97 100

99 61.6 43.1 80.1

83 87.7 61.4 114.0

85 56.0 39.2 72.8

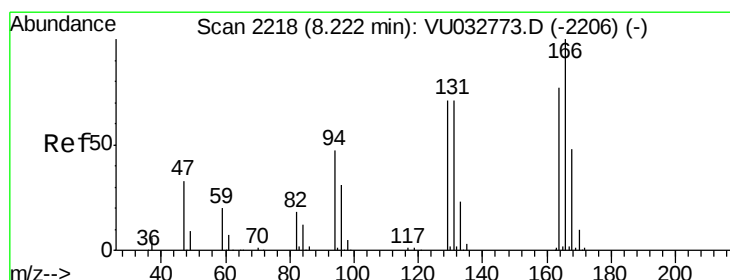
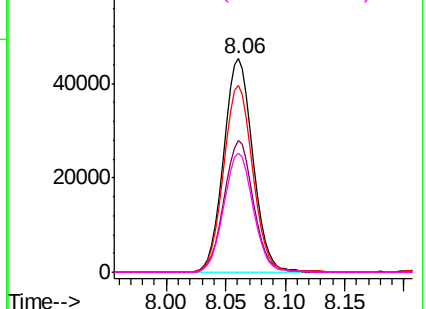
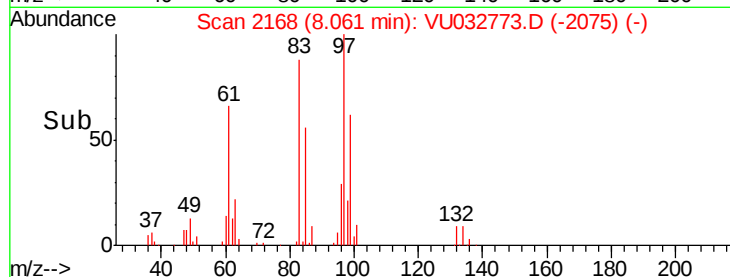


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 49.566 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Tgt Ion: 164 Resp: 65552

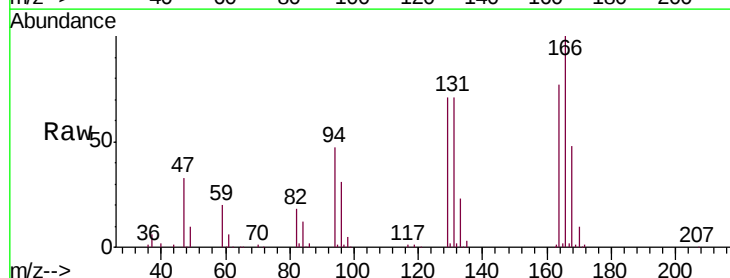
Ion Ratio Lower Upper

164 100

129 92.5 64.8 120.3

131 92.1 64.5 119.7

166 130.5 91.3 169.6

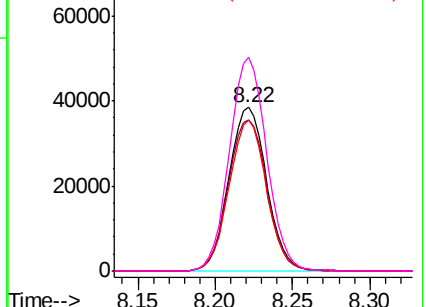
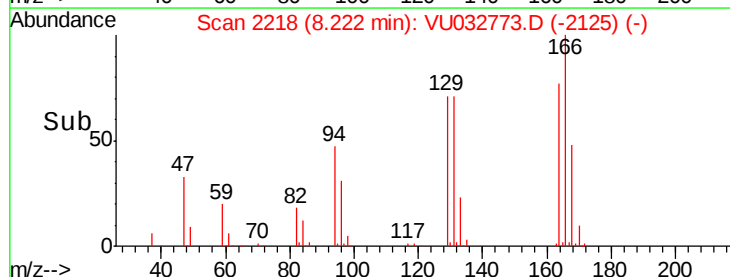


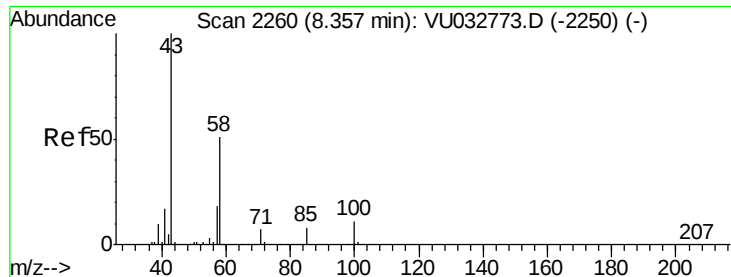
Abundance Ion 164.00 (163.70 to 164.70): V

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

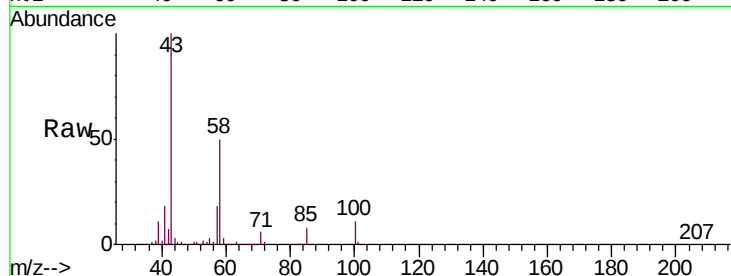




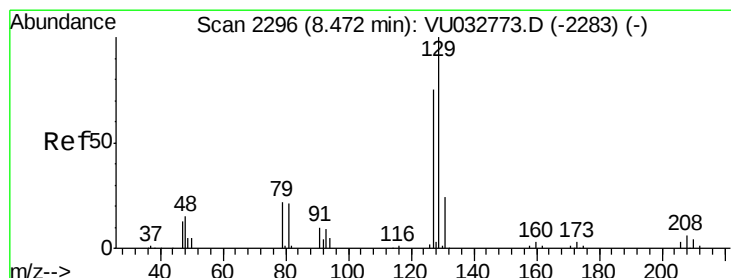
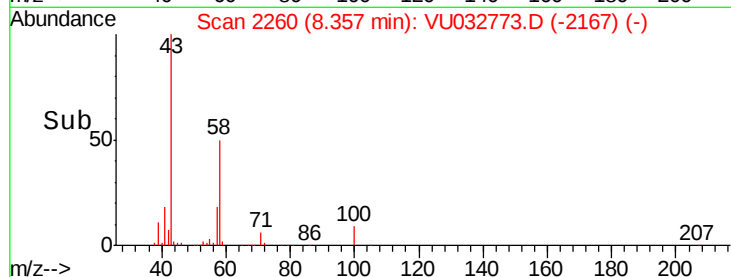
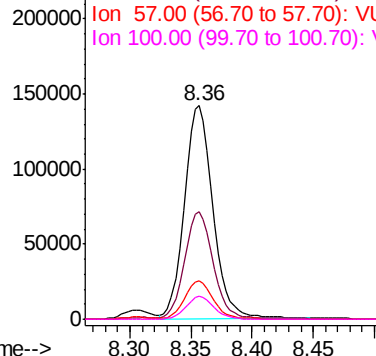
#48
2-Hexanone
Concen: 111.150 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032773.D
Acq: 17 Jun 2019 11:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

Tgt Ion:	43	Resp:	233238
Ion	Ratio	Lower	Upper
43	100		
58	50.2	40.2	60.2
57	17.8	14.2	21.4
100	10.5	8.4	12.6

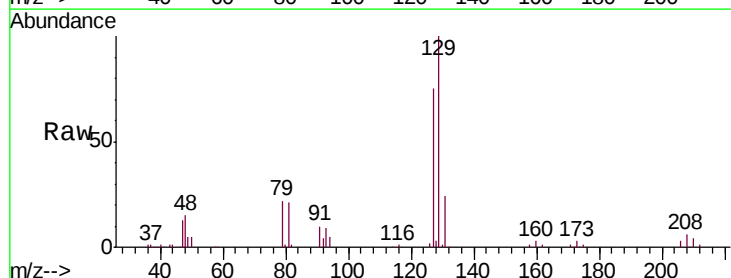


Abundance Ion 43.00 (42.70 to 43.70): VU032773.D (-2250) (-)
Ion 58.00 (57.70 to 58.70): VU032773.D (-2250) (-)
Ion 57.00 (56.70 to 57.70): VU032773.D (-2250) (-)
Ion 100.00 (99.70 to 100.70): VU032773.D (-2250) (-)

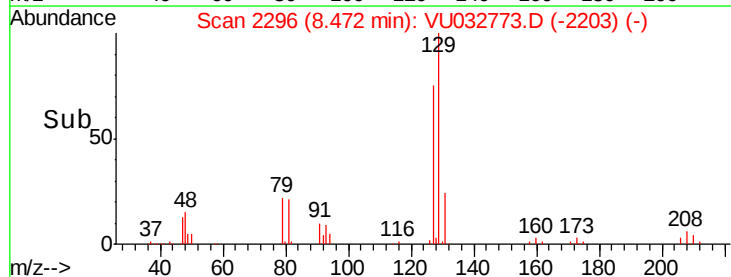
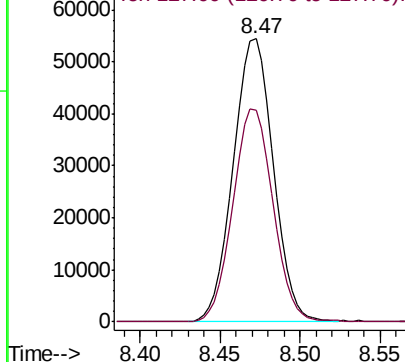


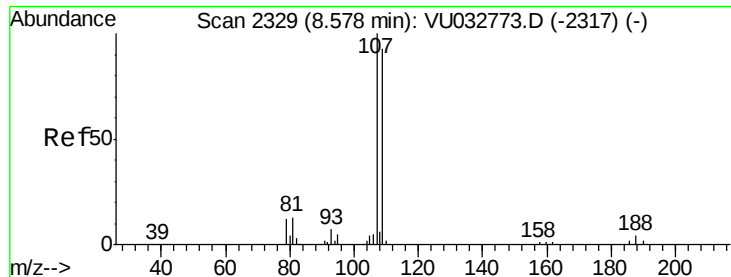
#49
Dibromochloromethane
Concen: 53.590 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032773.D
Acq: 17 Jun 2019 11:26

Tgt Ion:	129	Resp:	93136
Ion	Ratio	Lower	Upper
129	100		
127	74.7	52.3	97.1



Abundance Ion 129.00 (128.70 to 129.70): VU032773.D (-2283) (-)
Ion 127.00 (126.70 to 127.70): VU032773.D (-2283) (-)

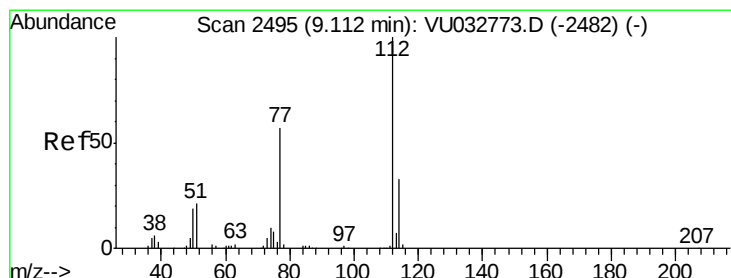
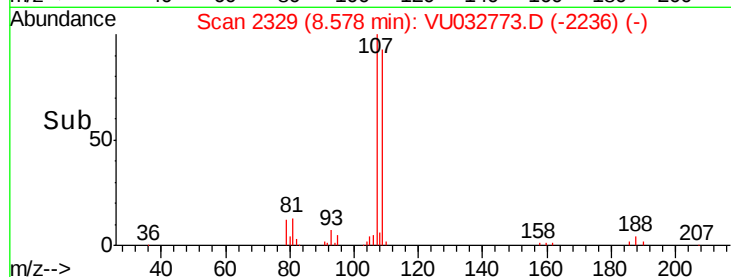
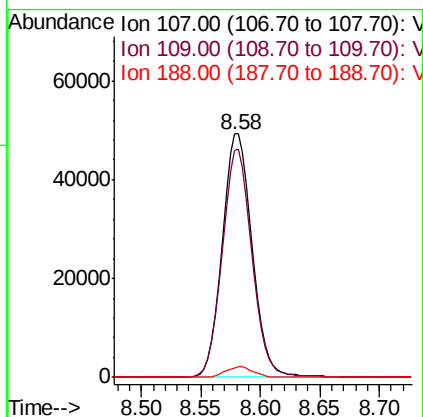
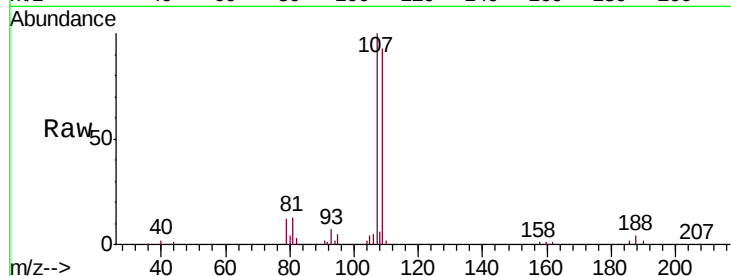




#50
1,2-Dibromoethane
Concen: 51.304 ug/L
RT: 8.58 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU032773.D
Acq: 17 Jun 2019 11:26

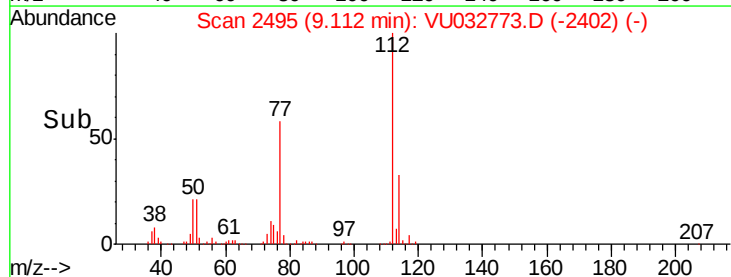
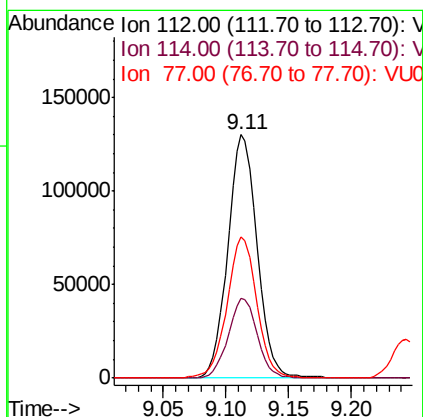
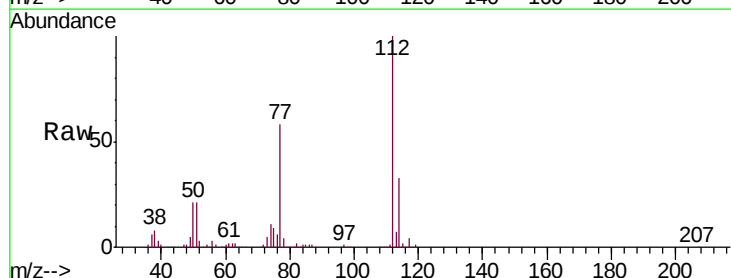
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

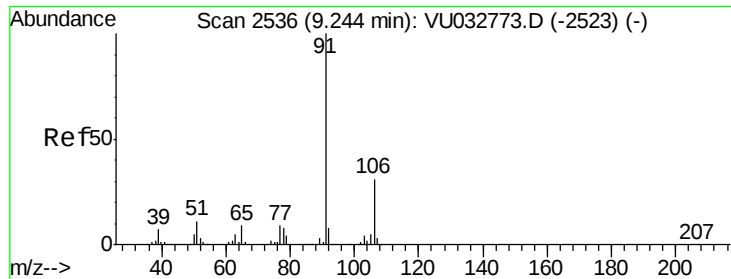
Tgt Ion:107 Resp: 85661
Ion Ratio Lower Upper
107 100
109 93.4 65.4 121.4
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 50.732 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU032773.D
Acq: 17 Jun 2019 11:26

Tgt Ion:112 Resp: 211554
Ion Ratio Lower Upper
112 100
114 32.6 22.8 42.4
77 57.9 46.3 69.5





#52

Ethylbenzene

Concen: 50.294 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

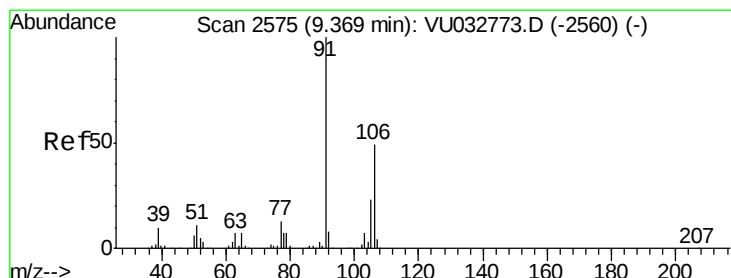
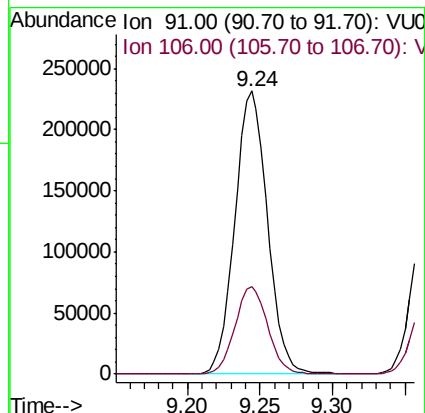
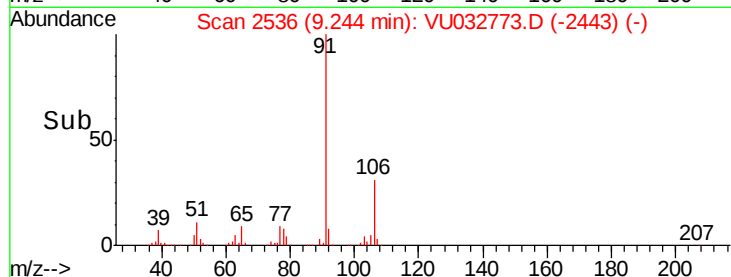
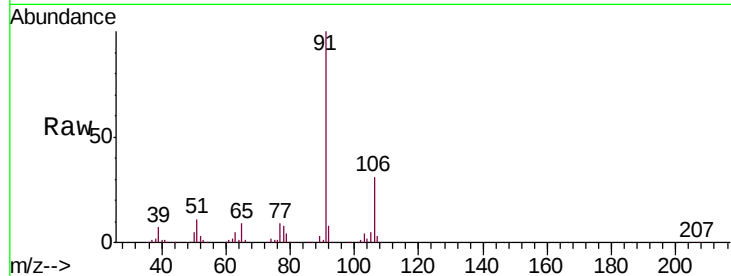
VSTD05033

Tgt Ion: 91 Resp: 361737

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



#53

m,p-Xylene

Concen: 49.963 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032773.D

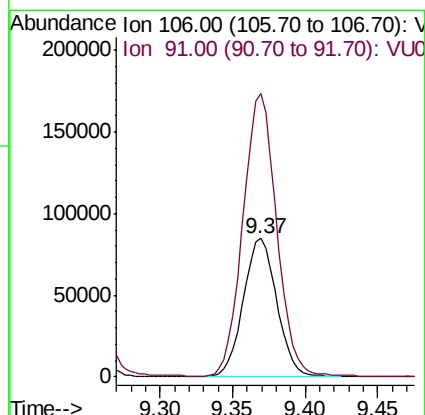
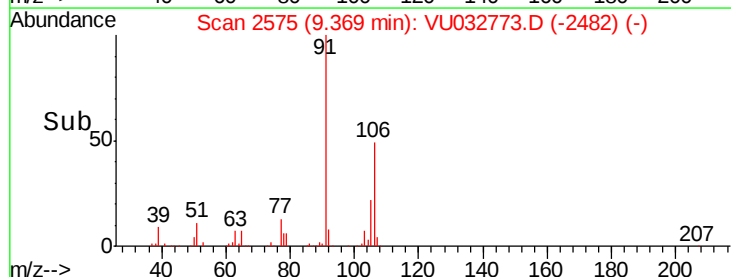
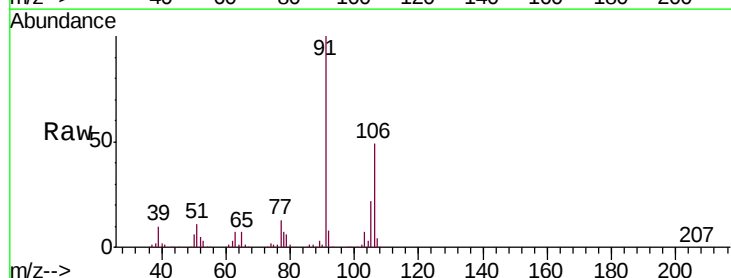
Acq: 17 Jun 2019 11:26

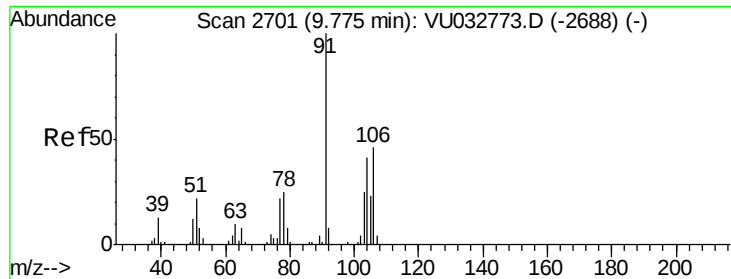
Tgt Ion: 106 Resp: 136424

Ion Ratio Lower Upper

106 100

91 204.2 142.9 265.5

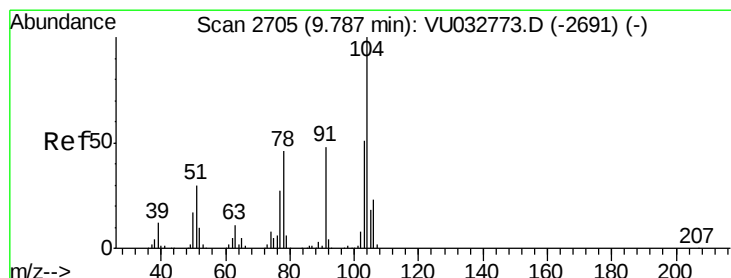
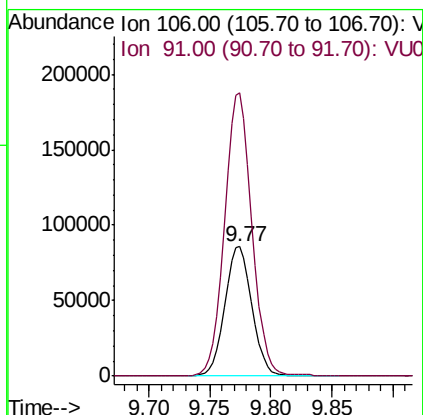
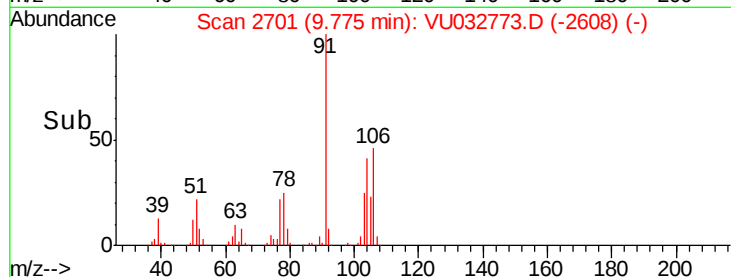
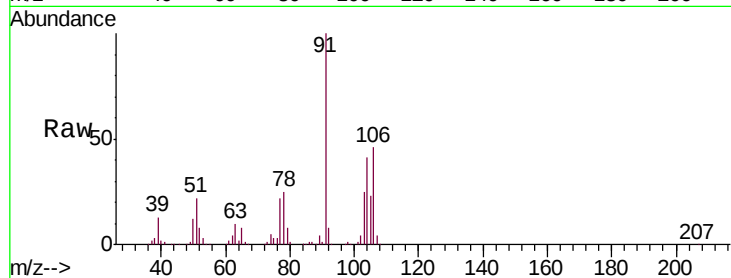




#54
o-xylene
Concen: 49.588 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032773.D
Acq: 17 Jun 2019 11:26

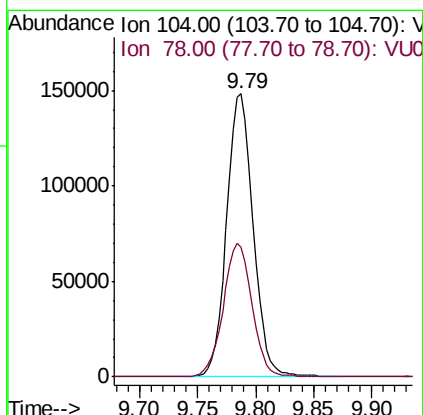
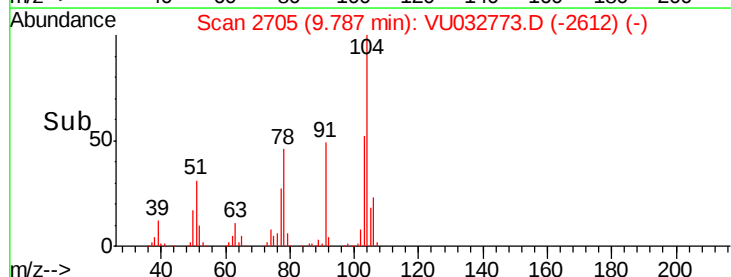
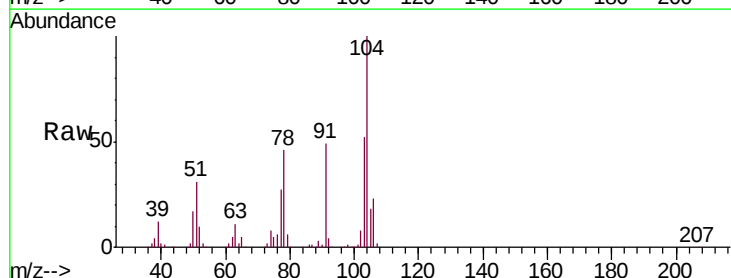
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

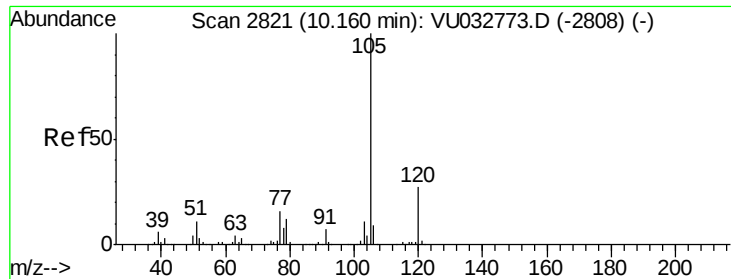
Tgt Ion:106 Resp: 134155
Ion Ratio Lower Upper
106 100
91 218.5 152.9 284.1



#55
Styrene
Concen: 51.779 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032773.D
Acq: 17 Jun 2019 11:26

Tgt Ion:104 Resp: 235145
Ion Ratio Lower Upper
104 100
78 45.8 32.1 59.5





#56

Isopropylbenzene

Concen: 50.214 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

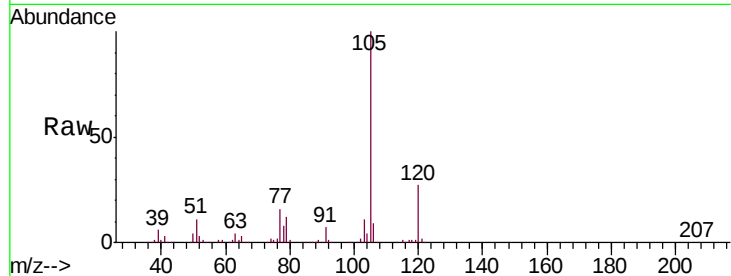
Tgt Ion: 105 Resp: 358528

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

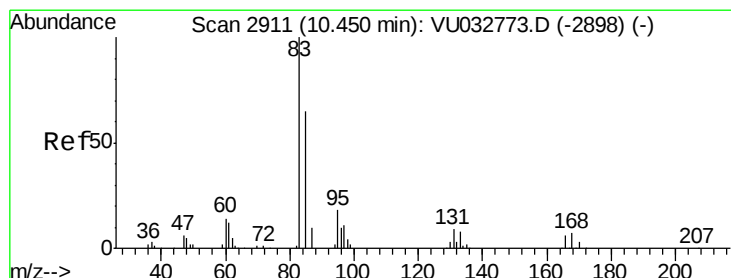
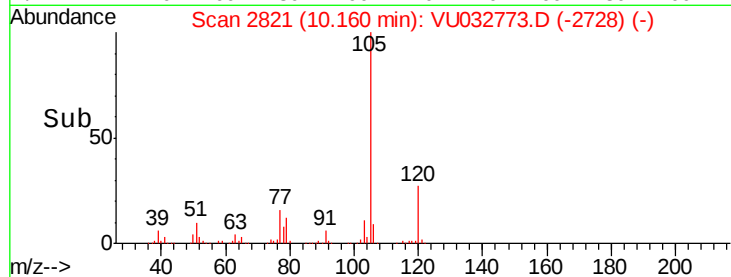
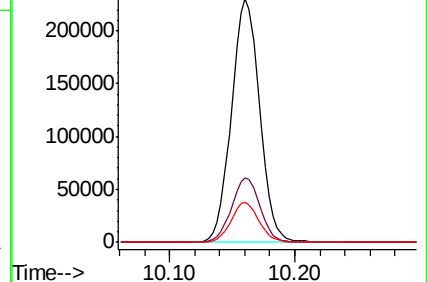
77 16.2 13.0 19.4



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: 52.994 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

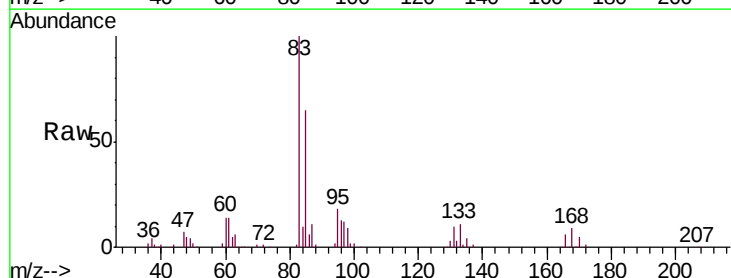
Tgt Ion: 83 Resp: 135254

Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.2

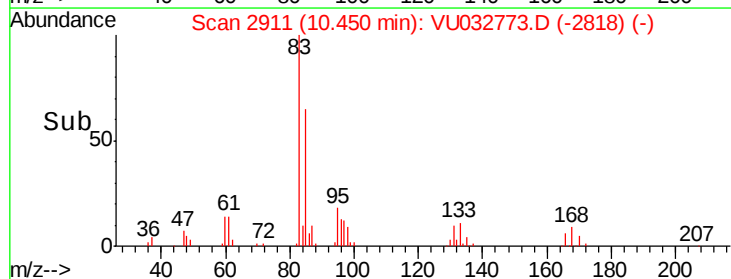
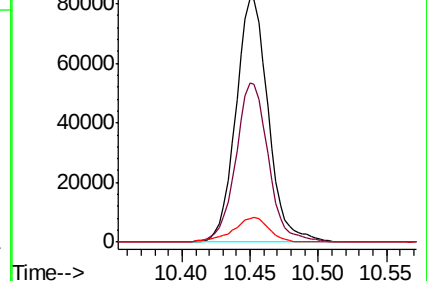
131 9.8 7.8 11.8

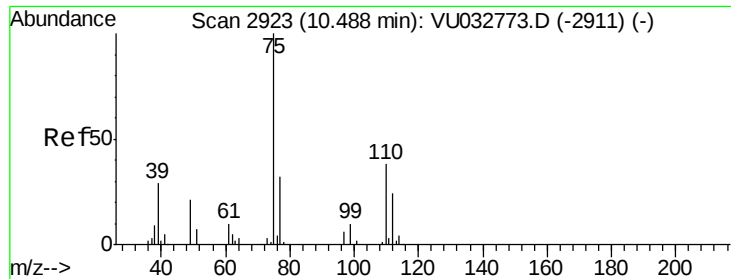


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

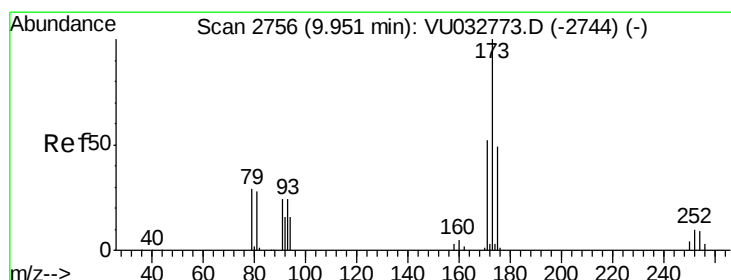
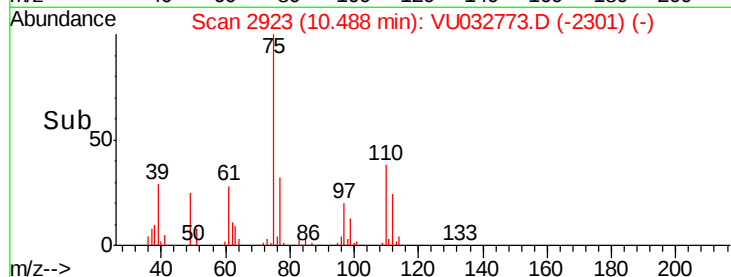
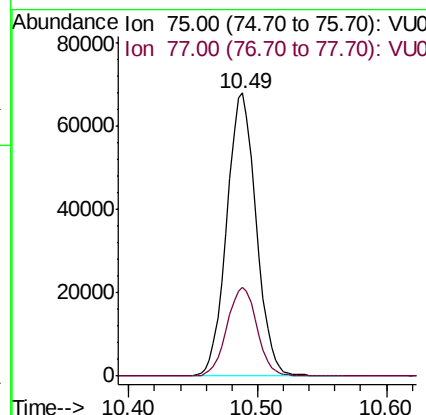
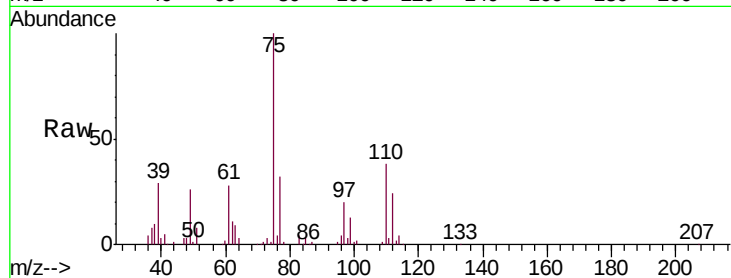




#59
 1,2,3-Trichloropropane
 Concen: 52.605 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

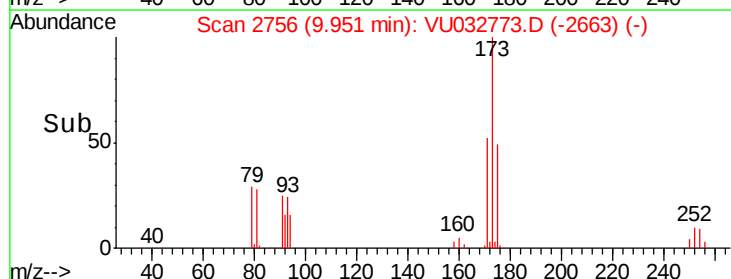
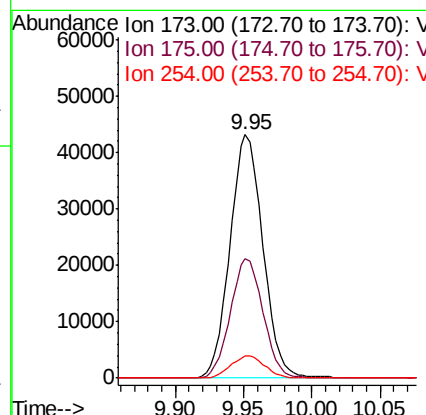
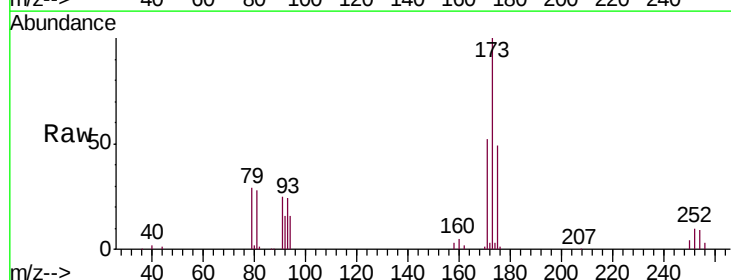
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

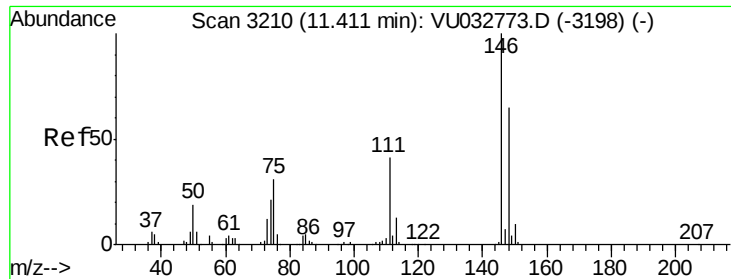
Tgt Ion: 75 Resp: 107815
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#61
 Bromoform
 Concen: 53.117 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

Tgt Ion: 173 Resp: 72452
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.4
 254 9.4 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 50.110 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

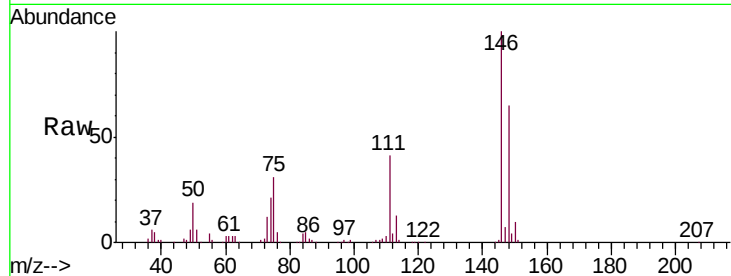
Tgt Ion:146 Resp: 170732

Ion Ratio Lower Upper

146 100

111 40.6 28.4 52.8

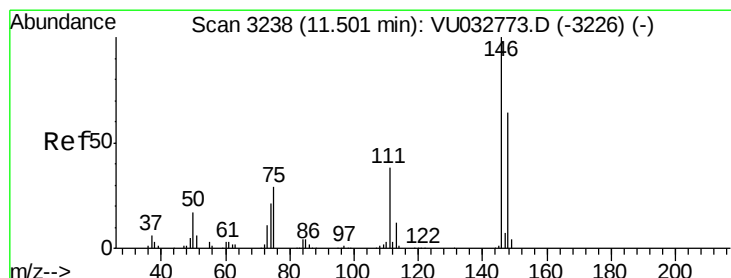
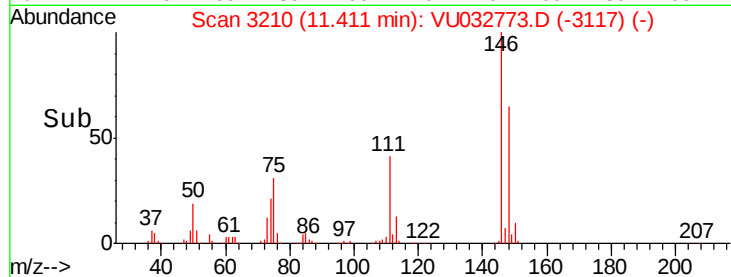
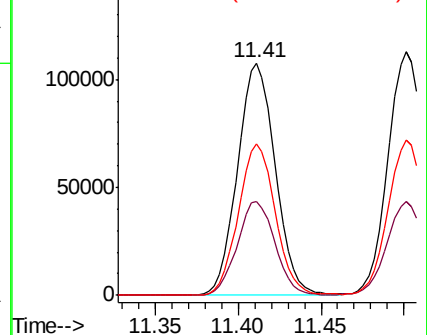
148 65.0 45.5 84.5



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: 49.972 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

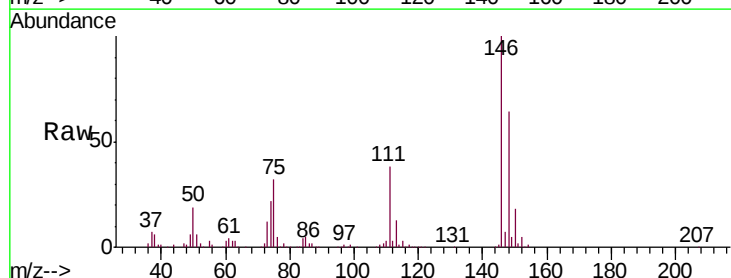
Tgt Ion:146 Resp: 175332

Ion Ratio Lower Upper

146 100

111 38.5 26.9 50.1

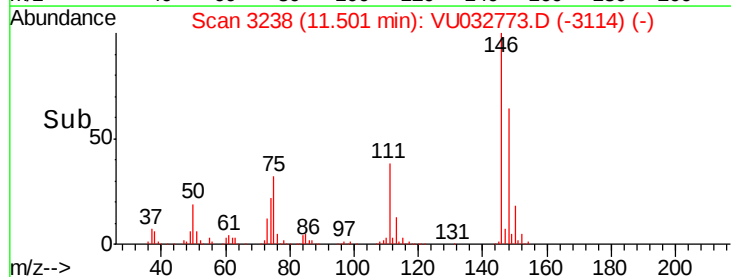
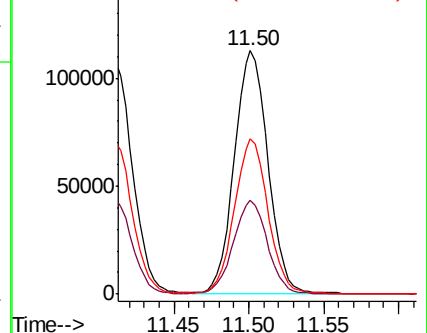
148 63.9 44.7 83.1

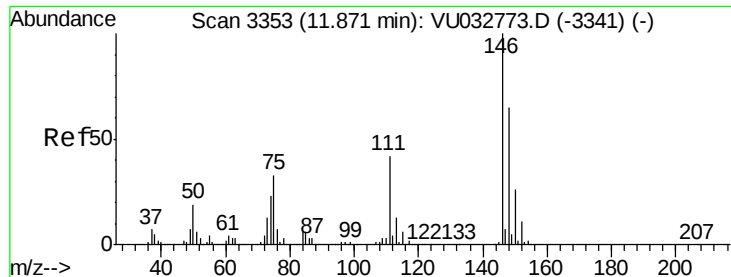


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

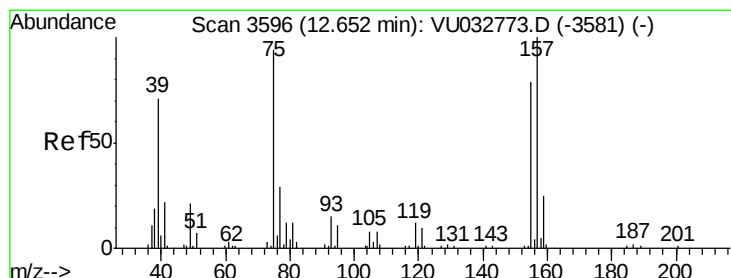
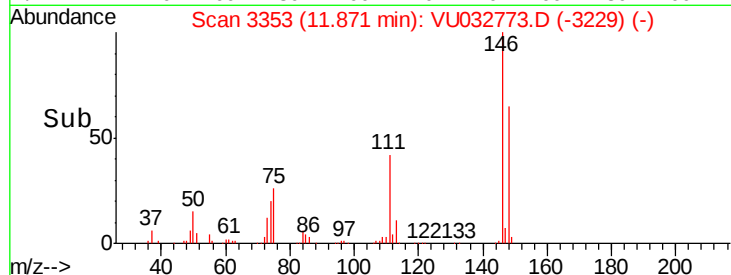
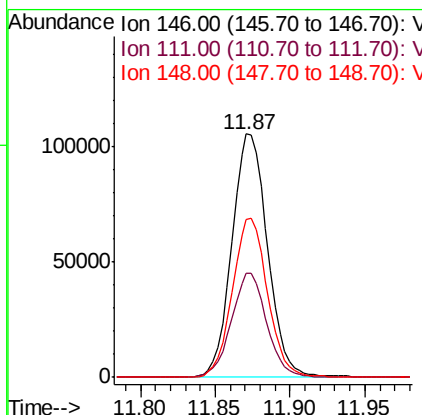
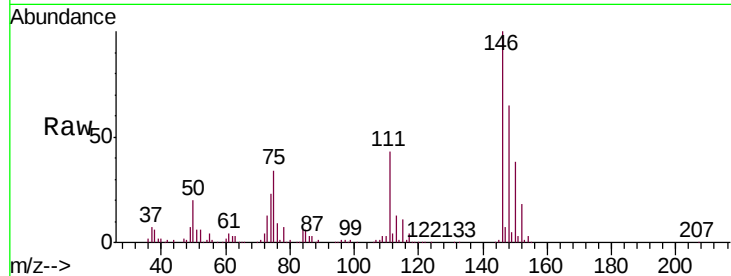




#65
 1,2-Dichlorobenzene
 Concen: 50.583 ug/L
 RT: 11.87 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

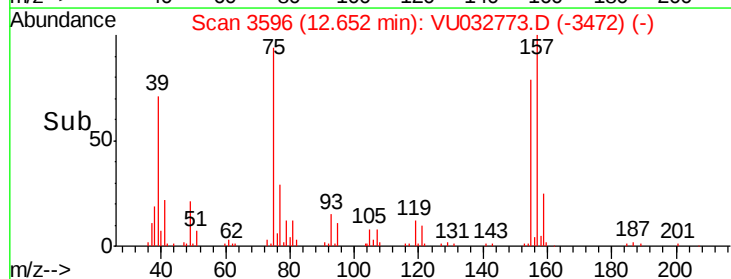
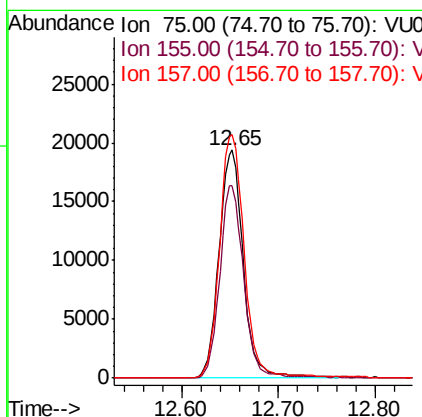
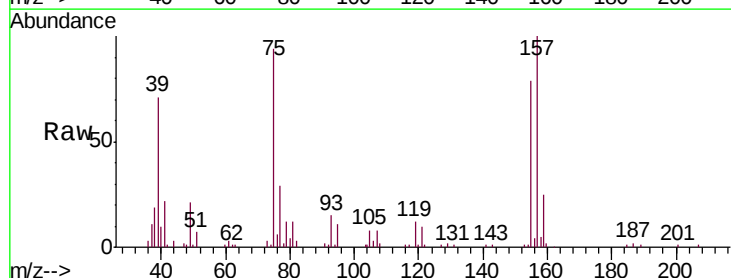
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

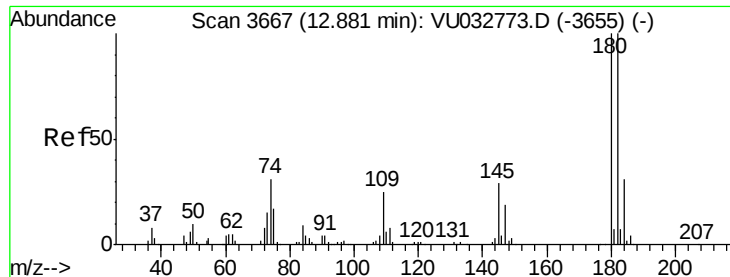
Tgt Ion: 146 Resp: 174529
 Ion Ratio Lower Upper
 146 100
 111 42.6 34.1 51.1
 148 65.0 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 57.340 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

Tgt Ion: 75 Resp: 33815
 Ion Ratio Lower Upper
 75 100
 155 84.3 67.4 101.2
 157 106.9 85.5 128.3

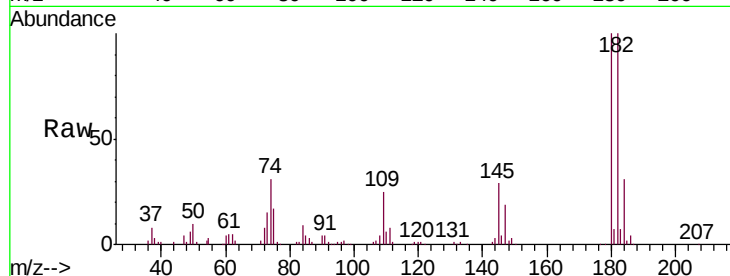




#67
 1,3,5-Trichlorobenzene
 Concen: 50.900 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	78.3	117.5
184	31.0	24.8	37.2
145	29.3	23.4	35.2



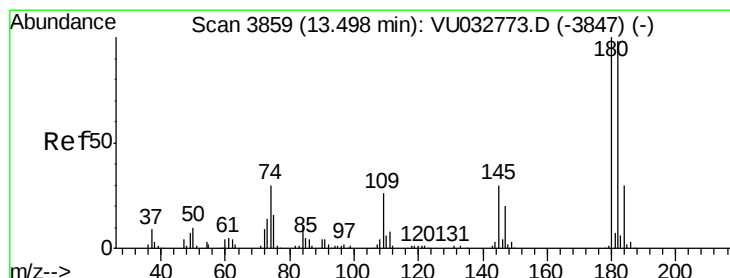
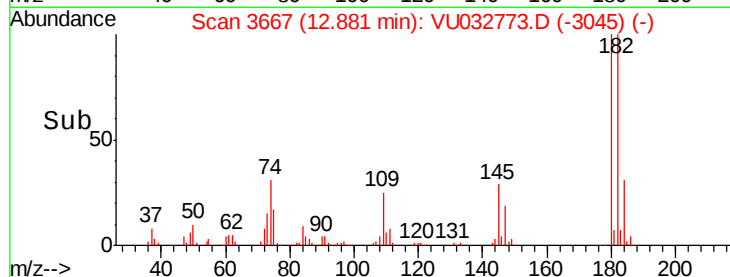
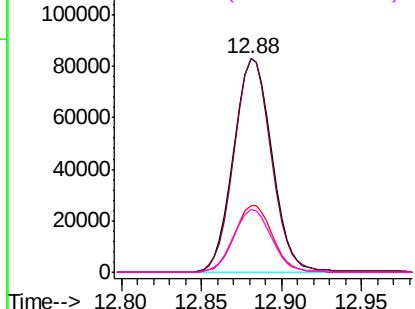
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

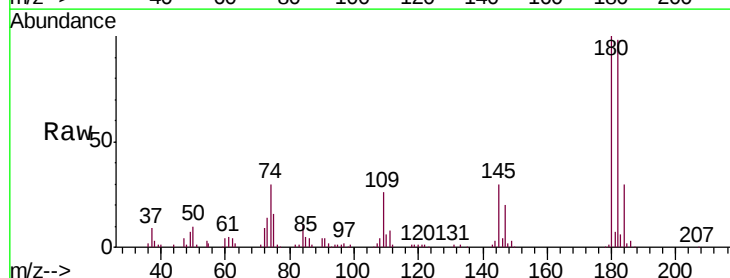
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.454 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032773.D
 Acq: 17 Jun 2019 11:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	29.8	23.8	35.8

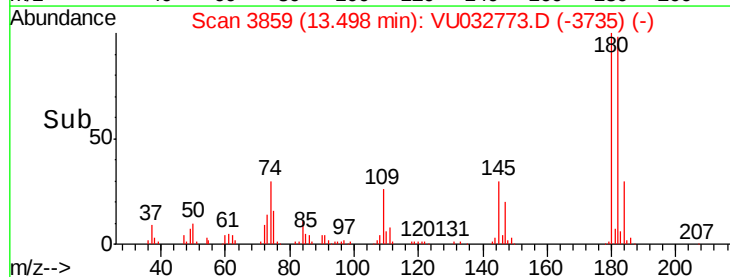
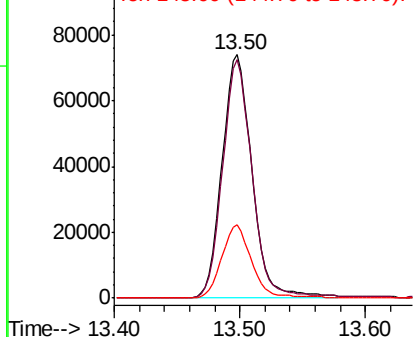


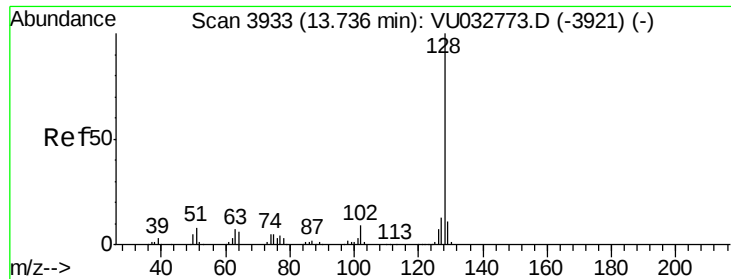
Abundance

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





#69

Naphthalene

Concen: 54.007 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

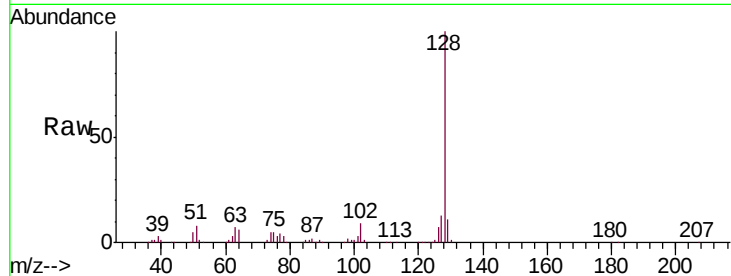
Tgt Ion:128 Resp: 382207

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

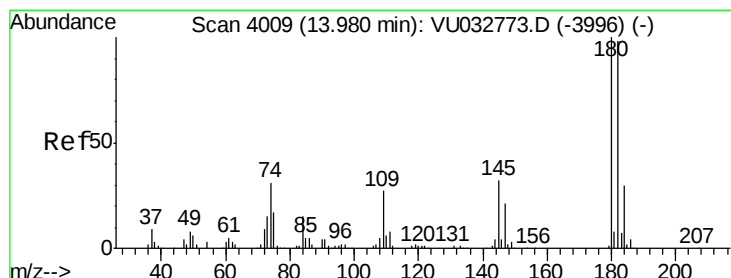
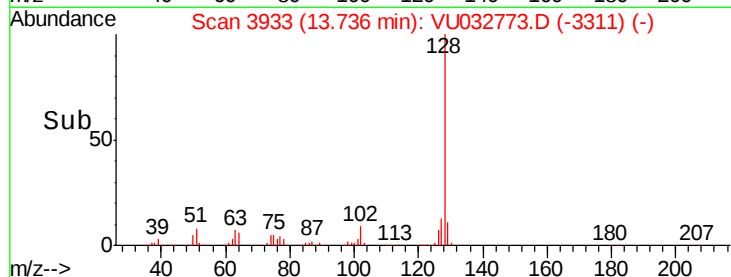
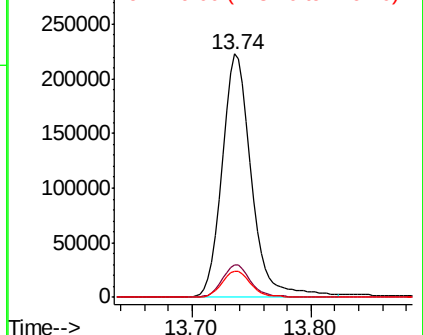
129 10.8 8.6 13.0



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: 53.949 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU032773.D

Acq: 17 Jun 2019 11:26

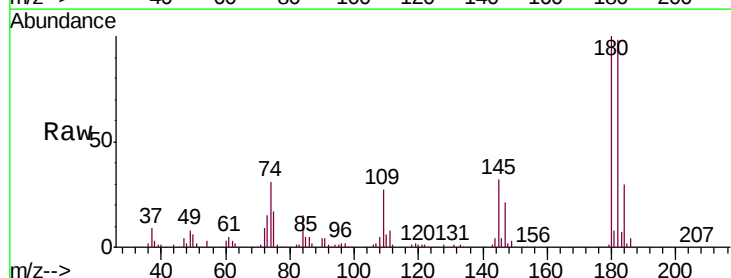
Tgt Ion:180 Resp: 127524

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 31.9 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

