

Data File : VU032776.D
Acq On : 17 Jun 2019 12:34
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV36

Quant Time: Jun 18 02:36:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 01:58:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	225031	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	216455	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	117176	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	75574	49.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.28%
7) Chloroethane-d5	1.67	69	60919	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.34%
11) 1,1-Dichloroethene-d2	2.27	63	152666	49.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.56%
21) 2-Butanone-d5	4.17	46	133525	104.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.31%
24) Chloroform-d	4.64	84	150975	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.30	65	99175	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.60%
32) Benzene-d6	5.33	84	288145	51.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.14%
36) 1,2-Dichloropropane-d6	6.32	67	92140	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.52%
41) Toluene-d8	7.56	98	274860	52.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.04%
43) trans-1,3-Dichloropropene-	7.84	79	48931	52.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.66%
47) 2-Hexanone-d5	8.31	63	90544	107.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.88%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	141681	50.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	117800	51.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.90%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	111056	48.857 ug/L	100
3) Chloromethane	1.32	50	99500	48.296 ug/L	100
5) Vinyl chloride	1.40	62	100332	49.099 ug/L	98
6) Bromomethane	1.62	94	60903	50.649 ug/L	100
8) Chloroethane	1.69	64	58484	49.719 ug/L	98
9) Trichlorofluoromethane	1.88	101	140743	49.093 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	73320	48.759 ug/L	99
12) 1,1-Dichloroethene	2.28	96	69727	49.204 ug/L	97
13) Acetone	2.32	43	145020	82.025 ug/L	99
14) Carbon disulfide	2.47	76	220380	49.148 ug/L	99
15) Methyl Acetate	2.61	43	97805	48.802 ug/L	99
16) Methylene chloride	2.69	84	79977	48.097 ug/L	100
17) trans-1,2-Dichloroethene	2.97	96	73972	48.136 ug/L	96
18) Methyl tert-butyl Ether	2.99	73	245511	49.761 ug/L	100
19) 1,1-Dichloroethane	3.44	63	143542	48.996 ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	82800	49.460 ug/L	97
22) 2-Butanone	4.25	43	165030	90.058 ug/L	100

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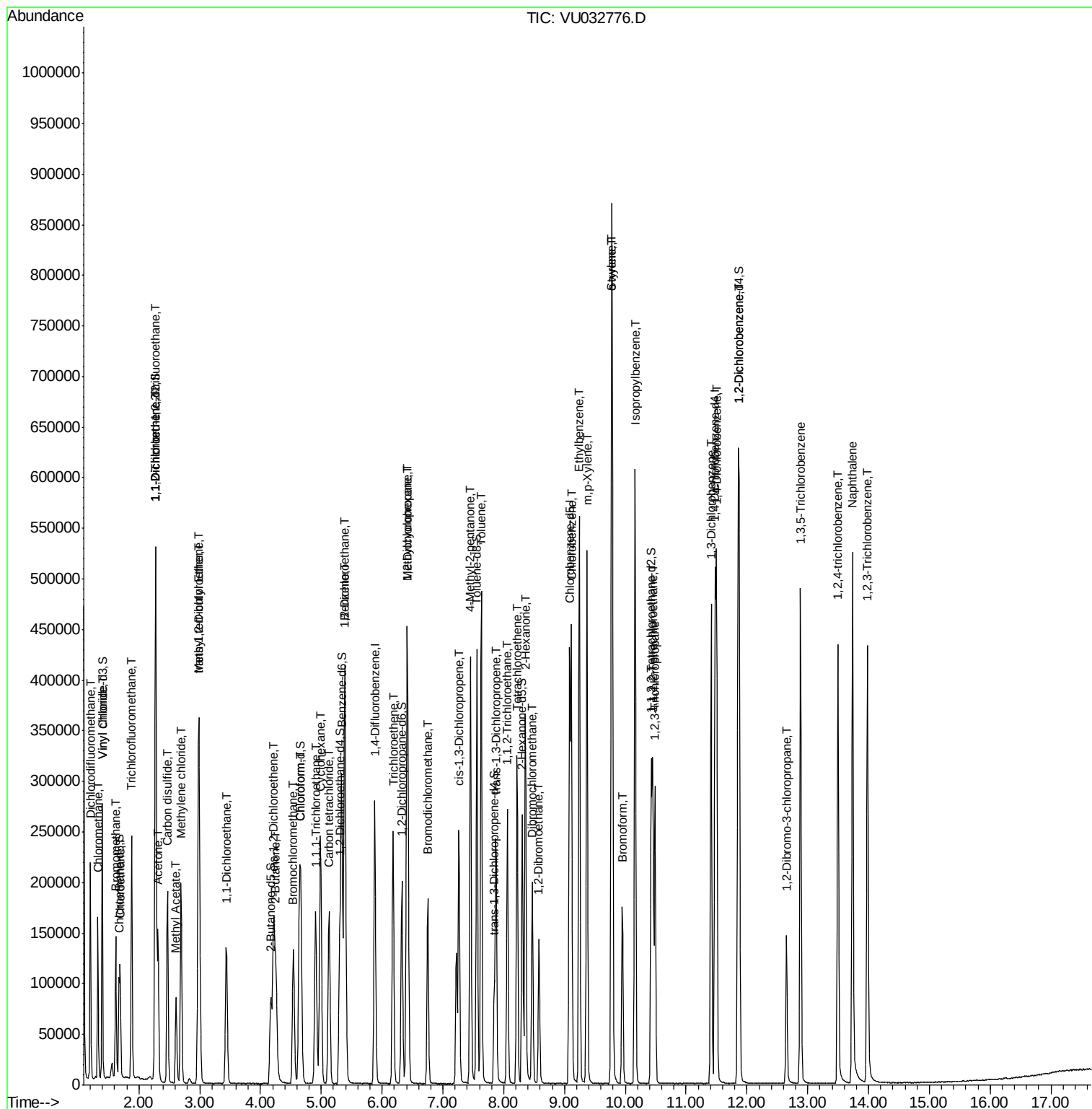
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	43369	49.659	ug/L	98
25) Chloroform	4.67	83	147166	48.711	ug/L	99
27) 1,2-Dichloroethane	5.40	62	124750	50.263	ug/L	99
29) Cyclohexane	4.99	56	125807	49.777	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	130992	49.672	ug/L	99
31) Carbon tetrachloride	5.13	117	120017	50.018	ug/L	98
33) Benzene	5.38	78	309617	49.654	ug/L	100
34) Trichloroethene	6.18	95	83715	50.248	ug/L	97
35) Methylcyclohexane	6.41	83	130403	50.637	ug/L	99
37) 1,2-Dichloropropane	6.42	63	84679	49.507	ug/L	100
38) Bromodichloromethane	6.75	83	113108	49.178	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	133538	50.111	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	276478	101.245	ug/L	100
42) Toluene	7.63	91	338340	50.150	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	125992	50.337	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	78709	49.440	ug/L	100
46) Tetrachloroethene	8.22	164	68520	50.191	ug/L	98
48) 2-Hexanone	8.36	43	233645	96.973	ug/L	99
49) Dibromochloromethane	8.47	129	96585	50.325	ug/L	98
50) 1,2-Dibromoethane	8.58	107	88117	49.839	ug/L	99
51) Chlorobenzene	9.11	112	221592	49.913	ug/L	99
52) Ethylbenzene	9.24	91	381056	51.027	ug/L	100
53) m,p-Xylene	9.37	106	142895	50.716	ug/L	99
54) o-xylene	9.77	106	140513	51.067	ug/L	100
55) Styrene	9.78	104	246297	51.598	ug/L	95
56) Isopropylbenzene	10.16	105	376696	50.800	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	142308	49.399	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	113955	49.922	ug/L	100
61) Bromoform	9.95	173	76682	50.118	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	182534	50.116	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	187230	49.770	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	185098	49.772	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	36433	51.351	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	149938	51.235	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	136317	54.134	ug/L	100
69) Naphthalene	13.74	128	432869	55.909	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	140426	52.677	ug/L	99

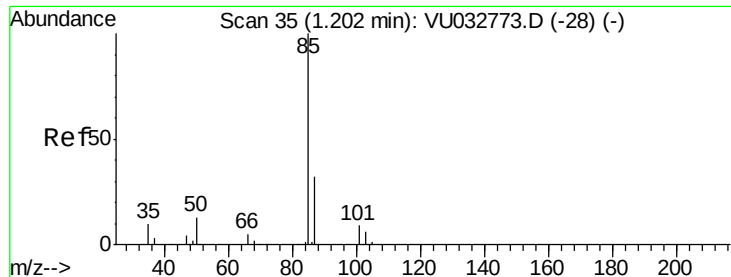
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.857 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

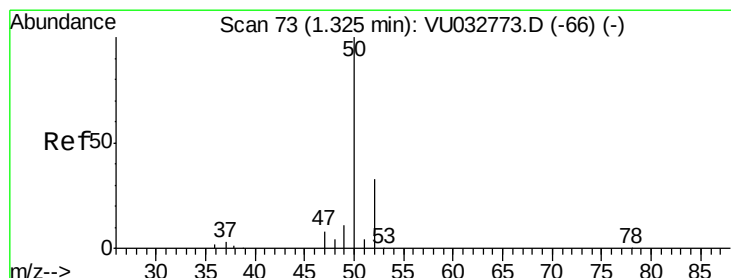
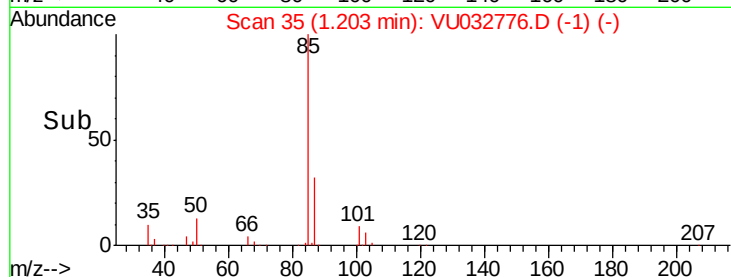
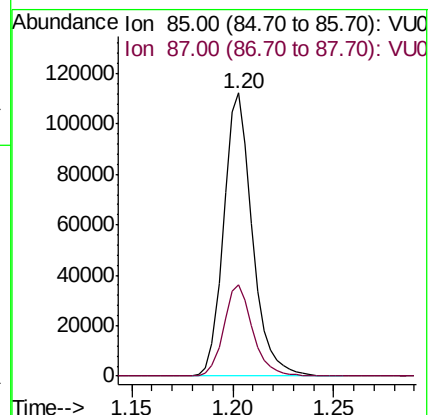
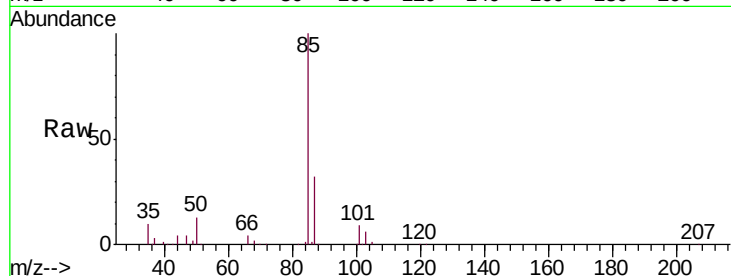
VICV36

Tgt Ion: 85 Resp: 111056

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



#3

Chloromethane

Concen: 48.296 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032776.D

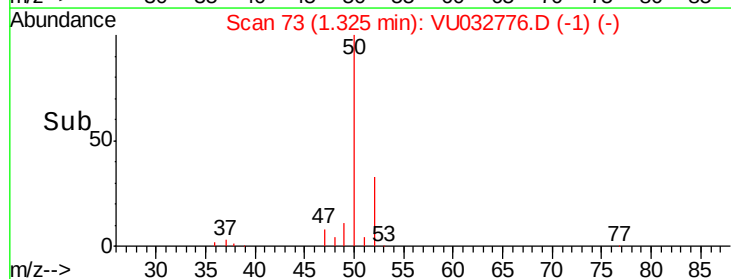
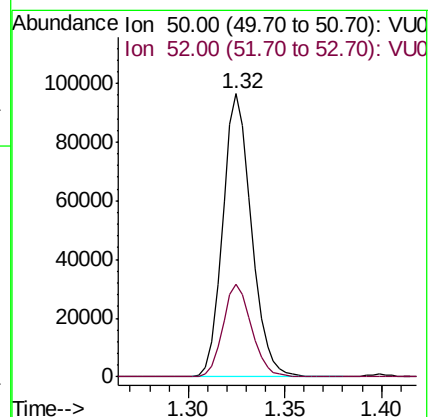
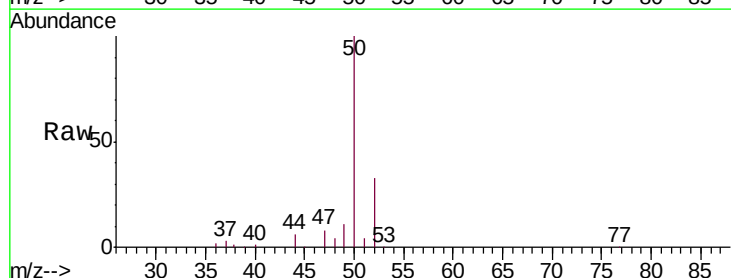
Acq: 17 Jun 2019 12:34

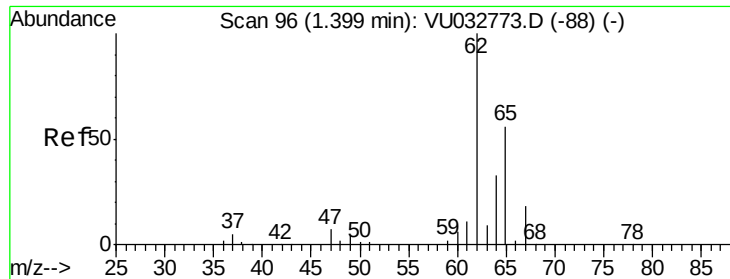
Tgt Ion: 50 Resp: 99500

Ion Ratio Lower Upper

50 100

52 32.7 23.0 42.6





#5

Vinyl chloride

Concen: 49.099 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

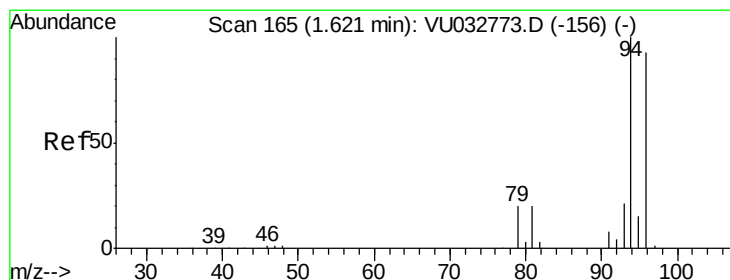
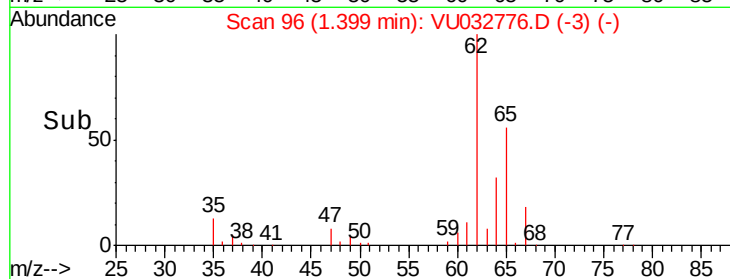
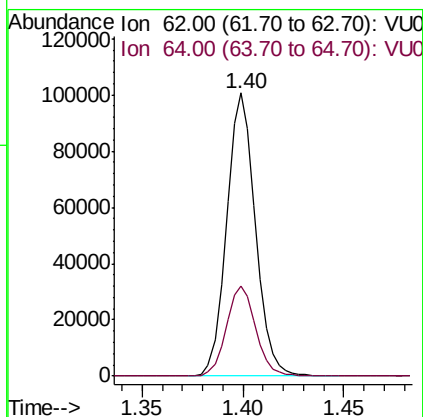
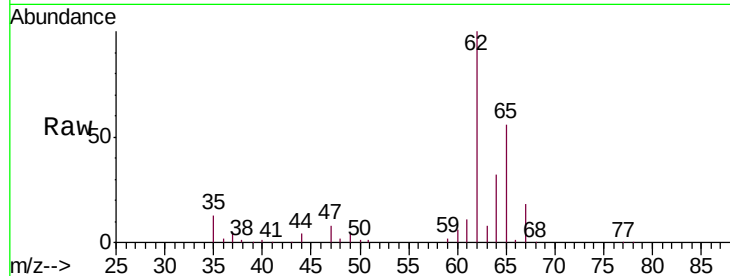
VICV36

Tgt Ion: 62 Resp: 100332

Ion Ratio Lower Upper

62 100

64 31.9 23.0 42.6



#6

Bromomethane

Concen: 50.649 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU032776.D

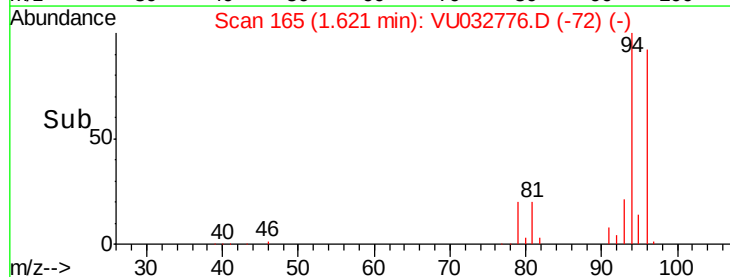
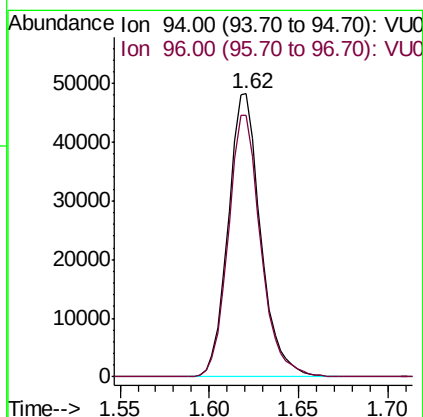
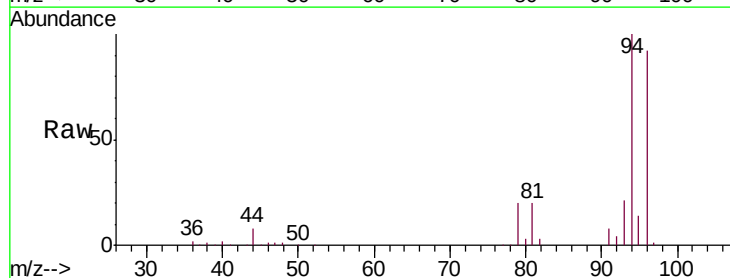
Acq: 17 Jun 2019 12:34

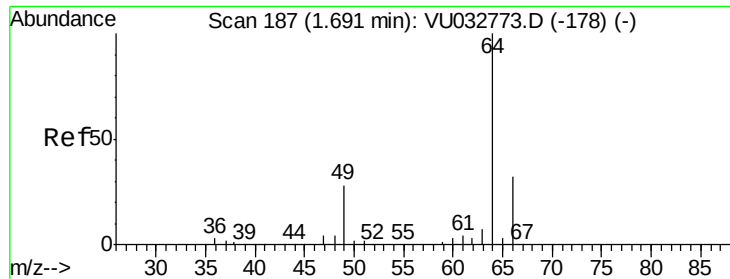
Tgt Ion: 94 Resp: 60903

Ion Ratio Lower Upper

94 100

96 92.4 64.8 120.4

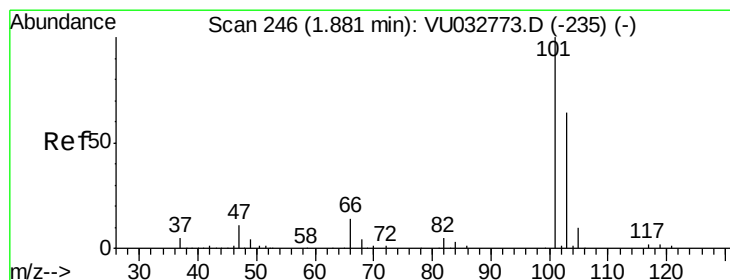
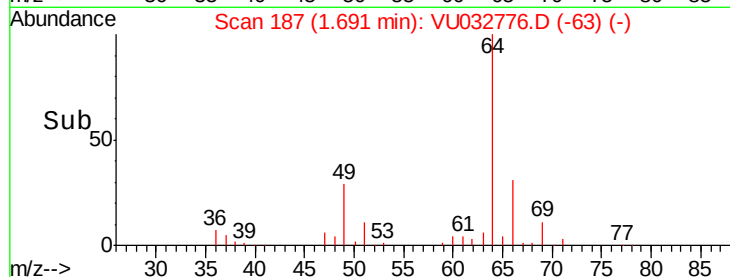
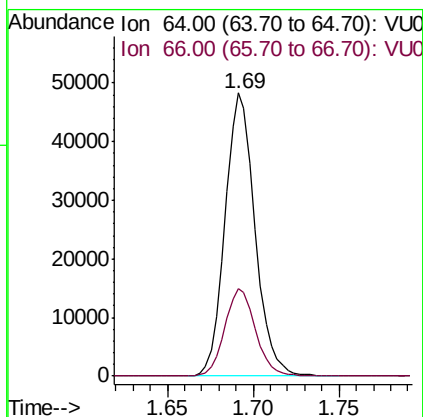
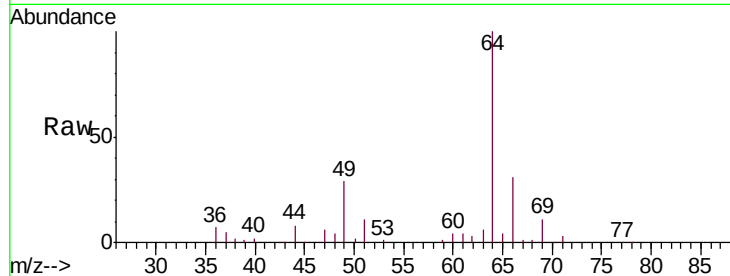




#8
 Chloroethane
 Concen: 49.719 ug/L
 RT: 1.69 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VU032776.D
 Acq: 17 Jun 2019 12:34

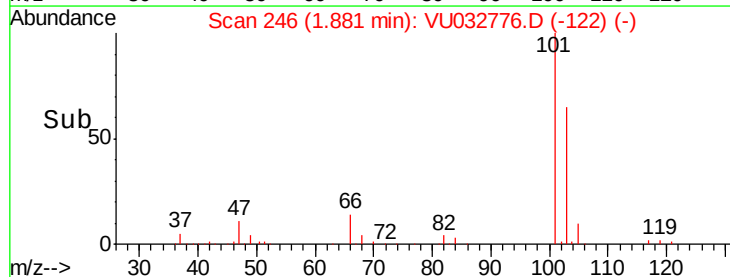
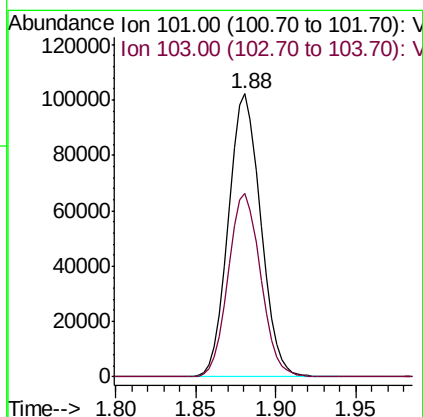
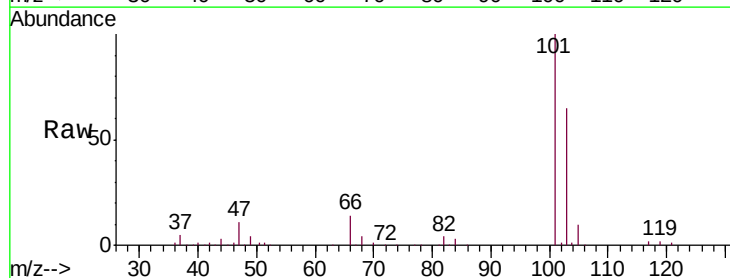
Instrument :
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 ClientSampleId :
 VICV36

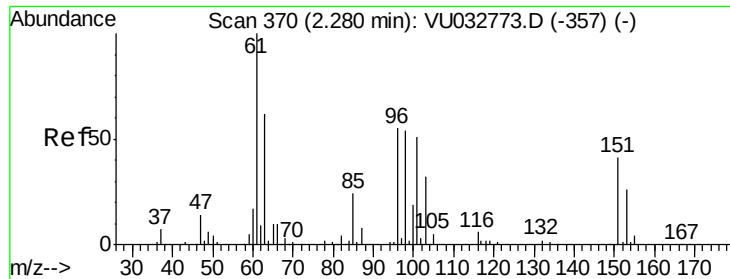
Tgt Ion: 64 Resp: 58484
 Ion Ratio Lower Upper
 64 100
 66 31.0 22.5 41.7



#9
 Trichlorofluoromethane
 Concen: 49.093 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VU032776.D
 Acq: 17 Jun 2019 12:34

Tgt Ion: 101 Resp: 140743
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.3 76.9





#10

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

Concen: 48.759 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampled :

VICV36

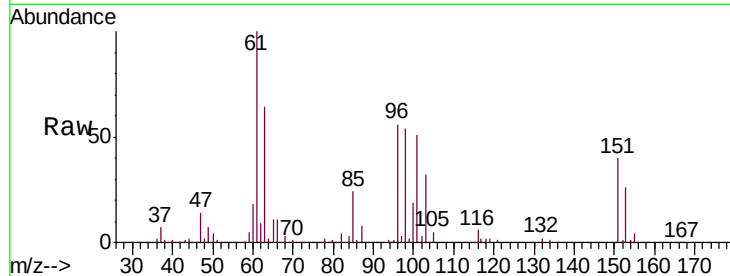
Tgt Ion:101 Resp: 73320

Ion Ratio Lower Upper

101 100

85 45.9 36.8 55.2

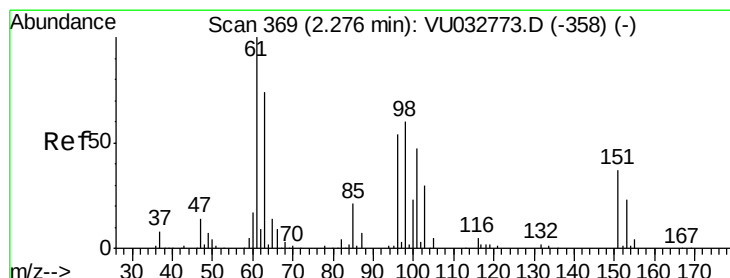
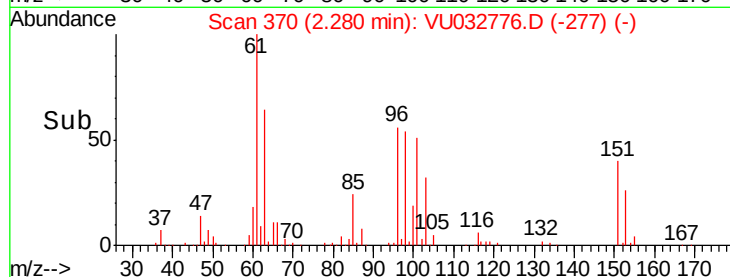
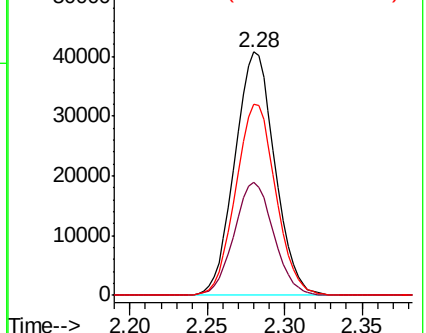
151 78.5 63.6 95.4



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: 49.204 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

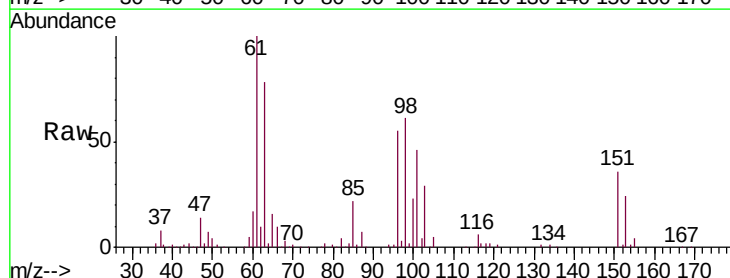
Tgt Ion: 96 Resp: 69727

Ion Ratio Lower Upper

96 100

61 182.4 131.0 243.4

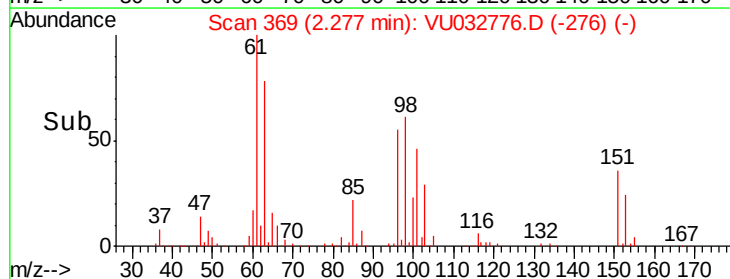
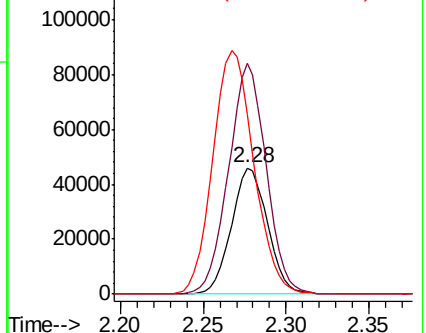
63 142.0 101.0 187.6

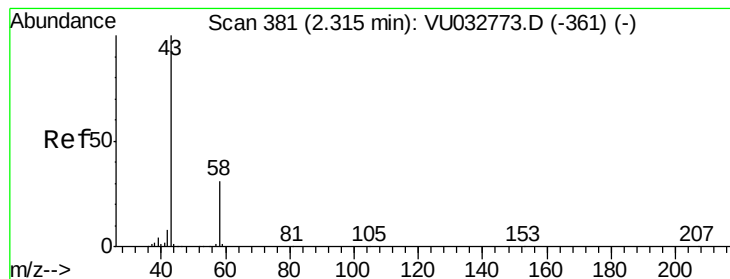


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 82.025 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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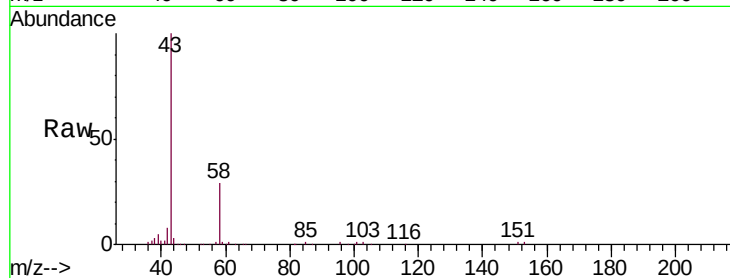
VICV36

Tgt Ion: 43 Resp: 145020

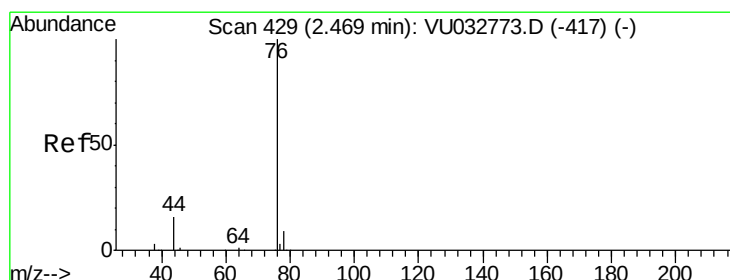
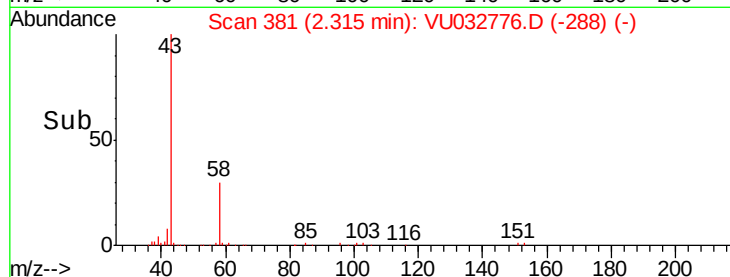
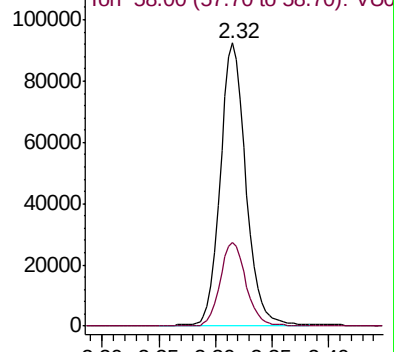
Ion Ratio Lower Upper

43 100

58 29.6 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032776.D (-361) (-)



#14

Carbon disulfide

Concen: 49.148 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032776.D

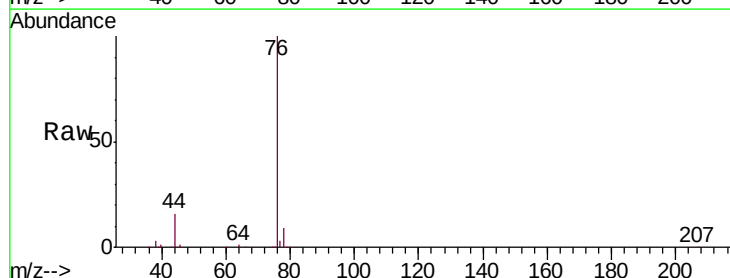
Acq: 17 Jun 2019 12:34

Tgt Ion: 76 Resp: 220380

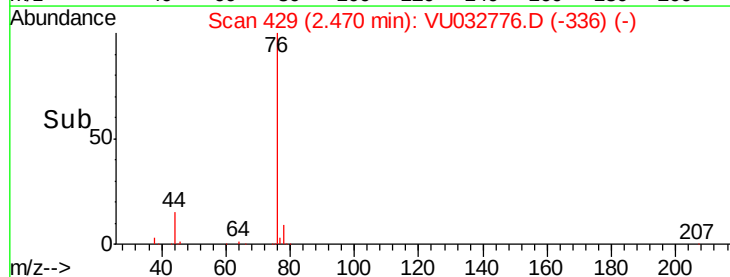
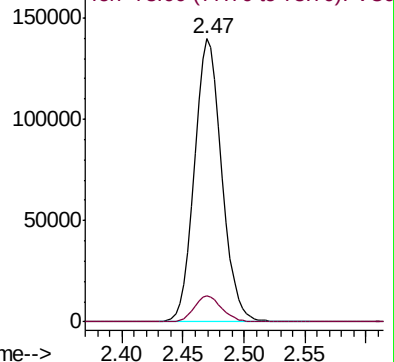
Ion Ratio Lower Upper

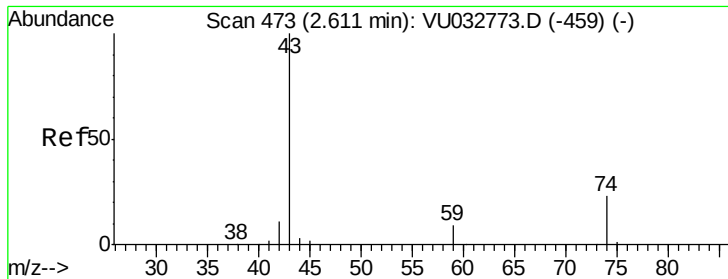
76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU032776.D (-417) (-)

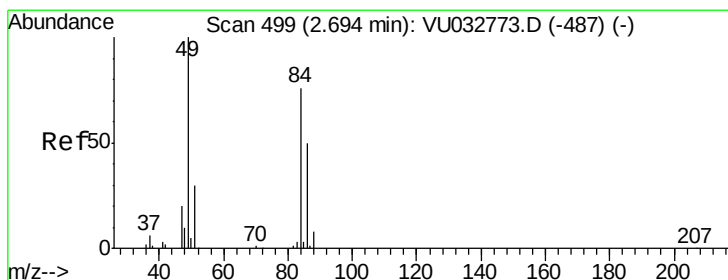
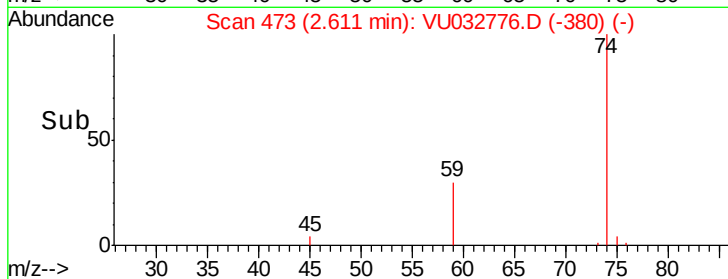
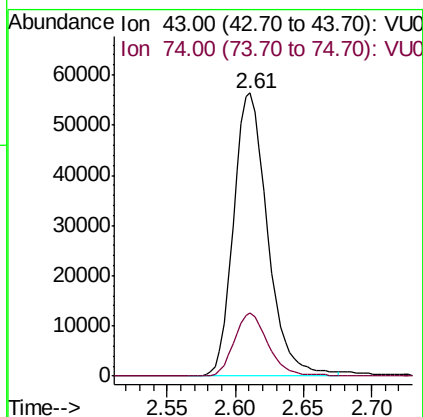
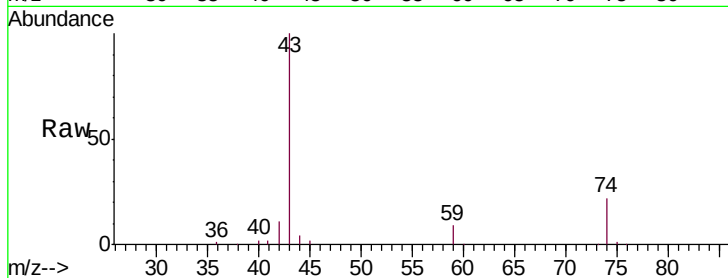




#15
Methyl Acetate
Concen: 48.802 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU032776.D
Acq: 17 Jun 2019 12:34

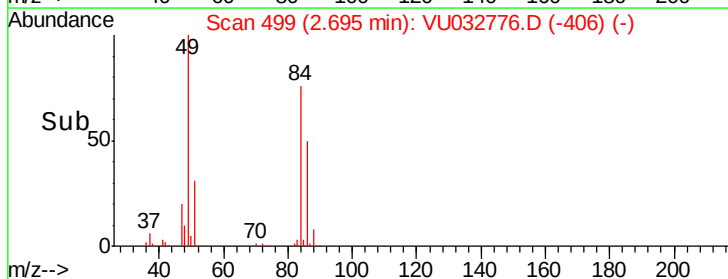
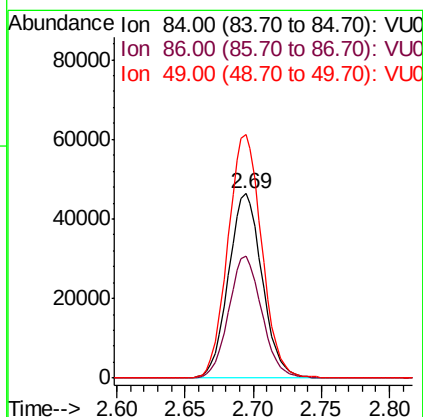
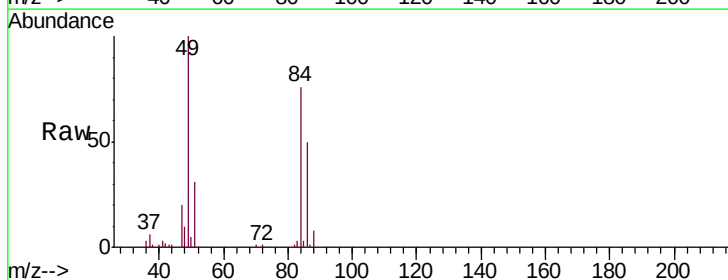
Instrument :
MSVOA_U
ClientSampleId :
VICV36

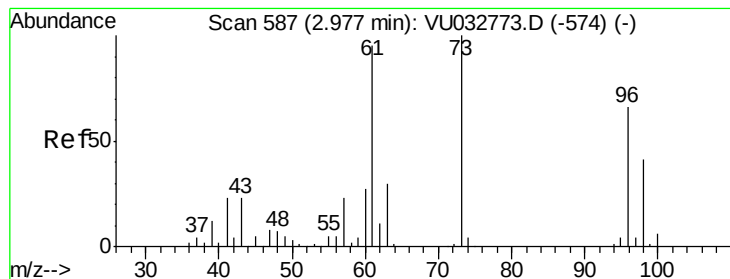
Tgt Ion: 43 Resp: 97805
Ion Ratio Lower Upper
43 100
74 21.9 18.1 27.1



#16
Methylene chloride
Concen: 48.097 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032776.D
Acq: 17 Jun 2019 12:34

Tgt Ion: 84 Resp: 79977
Ion Ratio Lower Upper
84 100
86 65.8 45.5 84.5
49 131.9 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 48.136 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

VICV36

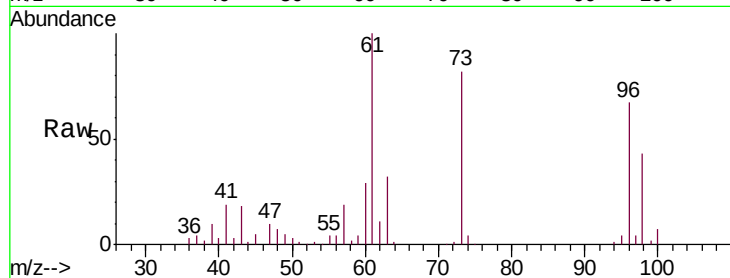
Tgt Ion: 96 Resp: 73972

Ion Ratio Lower Upper

96 100

61 150.2 100.9 187.5

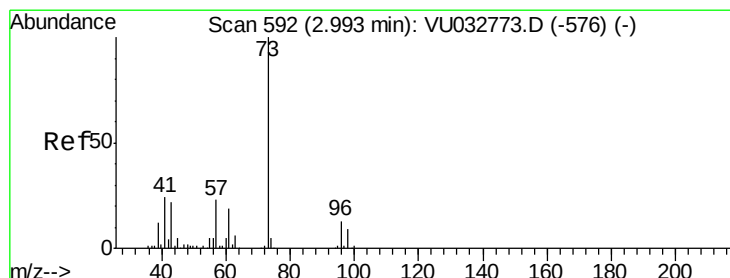
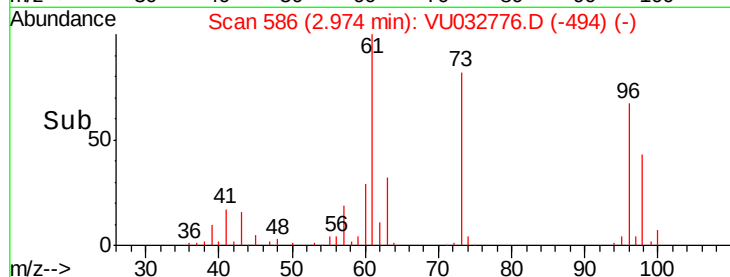
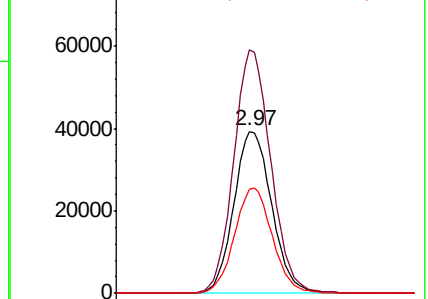
98 64.0 44.0 81.8



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: 49.761 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

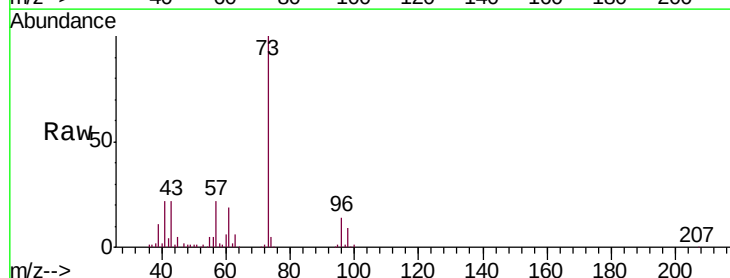
Tgt Ion: 73 Resp: 245511

Ion Ratio Lower Upper

73 100

43 22.0 17.8 26.8

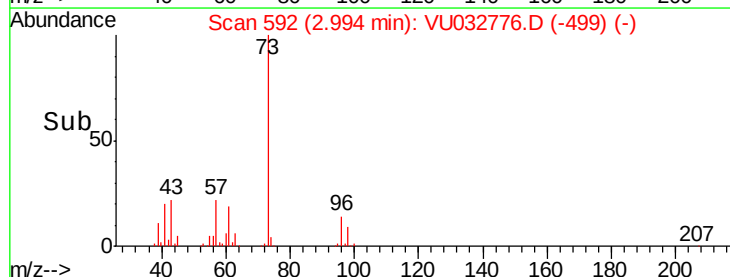
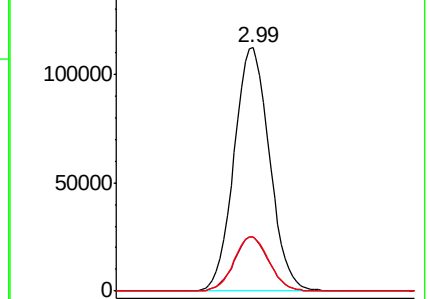
57 22.1 17.8 26.6

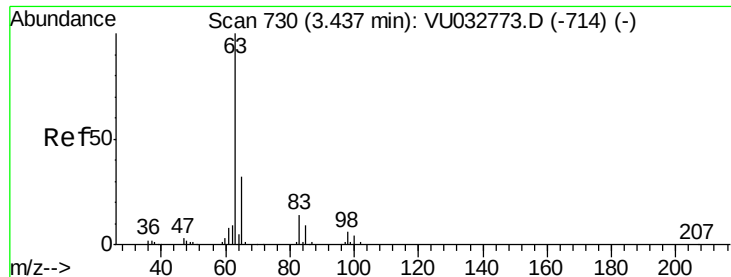


Abundance Ion 73.00 (72.70 to 73.70): VU032773.D (-576) (-)

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

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

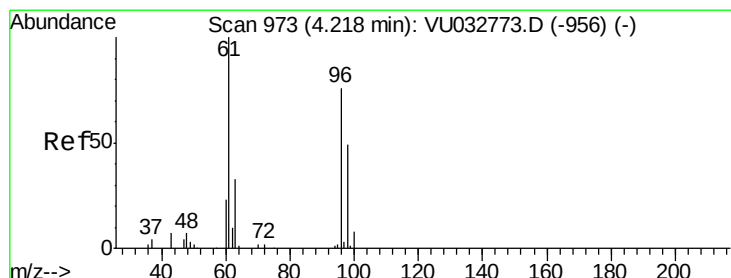
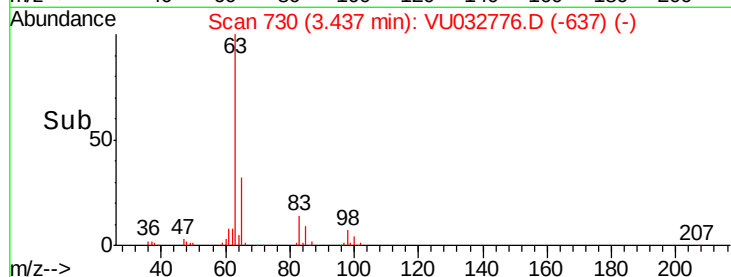
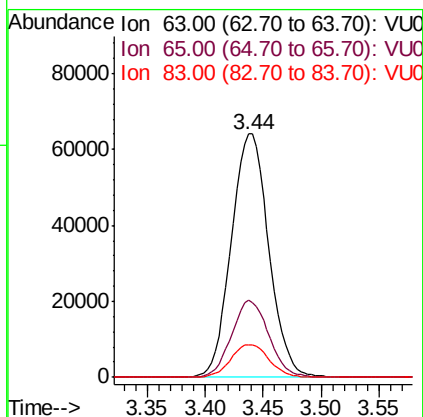
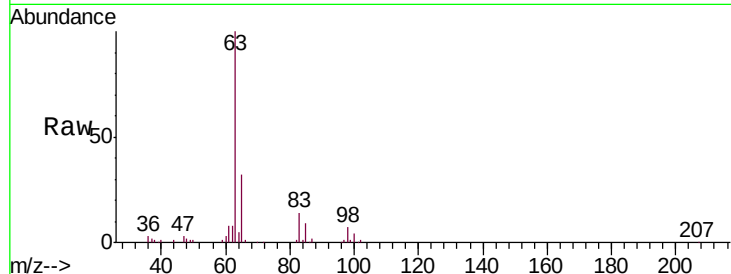




#19
 1,1-Dichloroethane
 Concen: 48.996 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU032776.D
 Acq: 17 Jun 2019 12:34

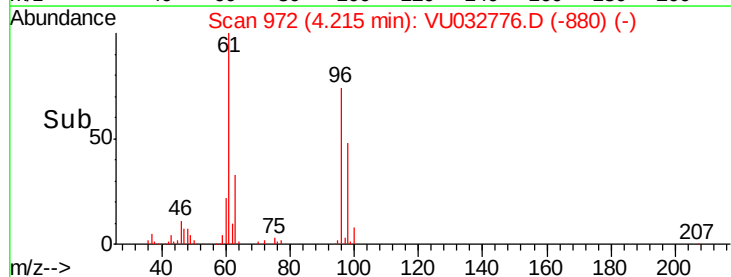
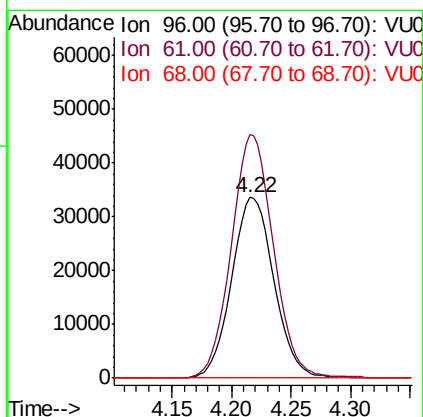
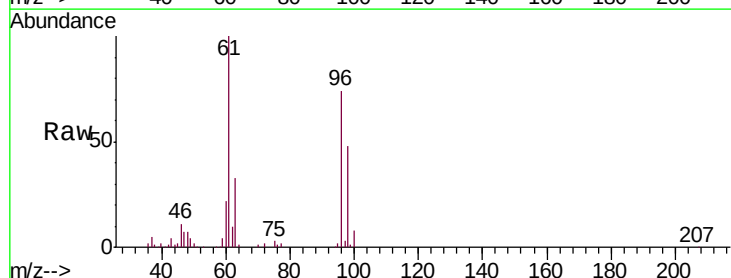
Instrument :
 MSVOA_U
 ClientSampled :
 VICV36

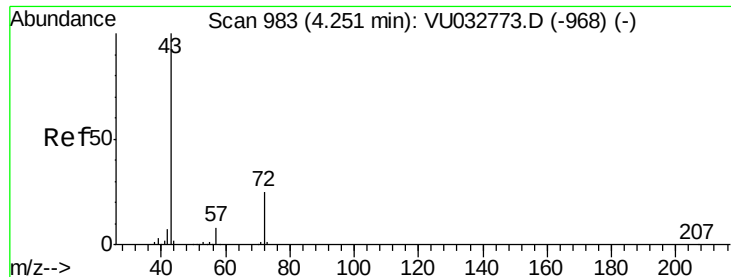
Tgt Ion: 63 Resp: 143542
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.0 41.0
 83 13.5 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 49.460 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032776.D
 Acq: 17 Jun 2019 12:34

Tgt Ion: 96 Resp: 82800
 Ion Ratio Lower Upper
 96 100
 61 135.0 92.4 171.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 90.058 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

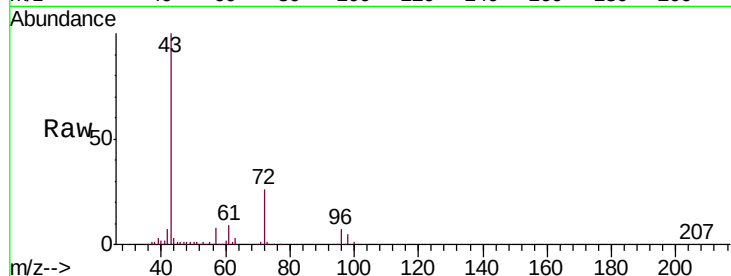
VICV36

Tgt Ion: 43 Resp: 165030

Ion Ratio Lower Upper

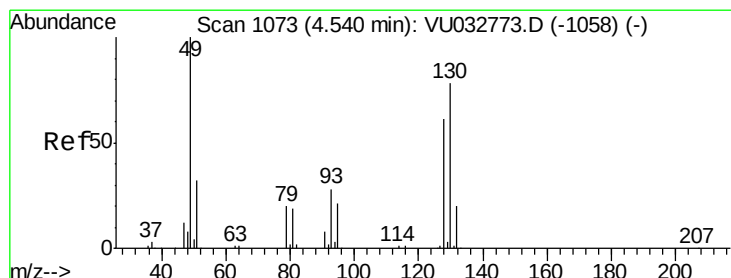
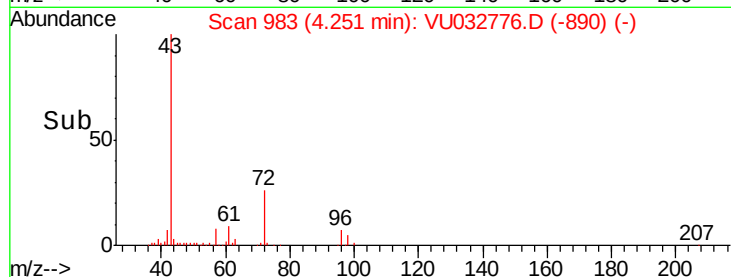
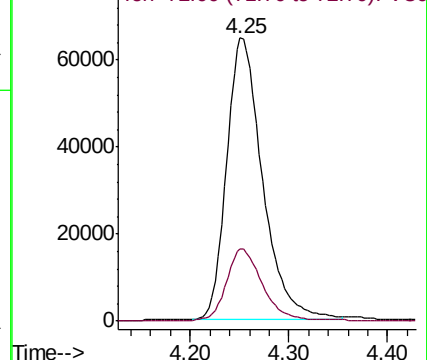
43 100

72 25.9 12.9 38.6



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

Ion 72.00 (71.70 to 72.70): VU032773.D (-968) (-)



#23

Bromochloromethane

Concen: 49.659 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Tgt Ion: 128 Resp: 43369

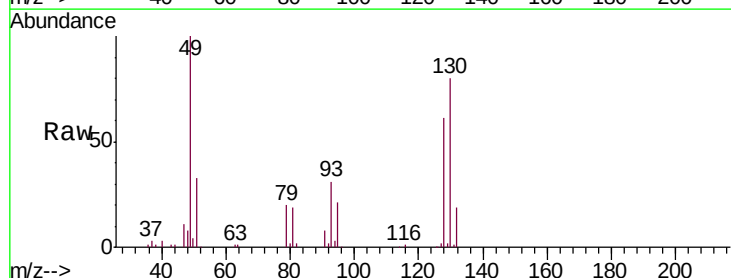
Ion Ratio Lower Upper

128 100

49 164.2 114.7 212.9

130 130.8 89.4 166.0

51 54.4 42.0 63.0

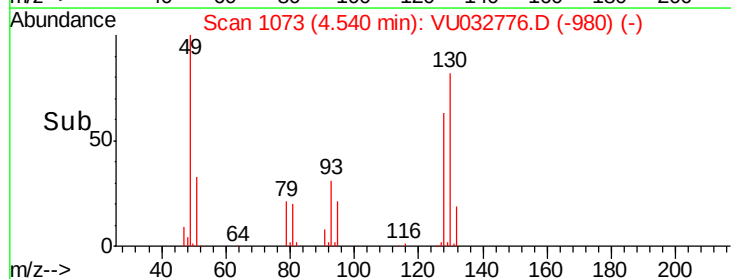
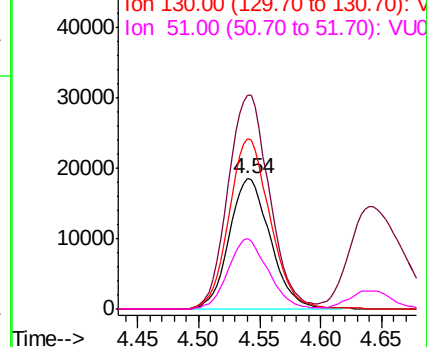


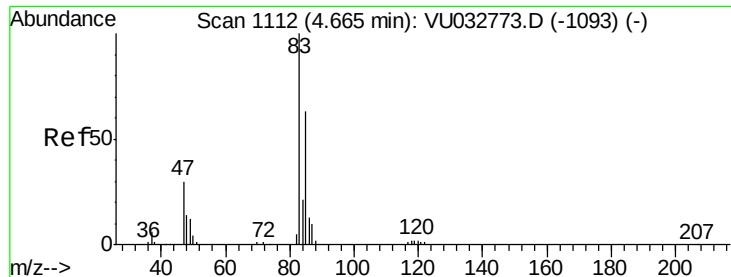
Abundance Ion 128.00 (127.70 to 128.70): VU032773.D (-1058) (-)

Ion 49.00 (48.70 to 49.70): VU032773.D (-1058) (-)

Ion 130.00 (129.70 to 130.70): VU032773.D (-1058) (-)

Ion 51.00 (50.70 to 51.70): VU032773.D (-1058) (-)

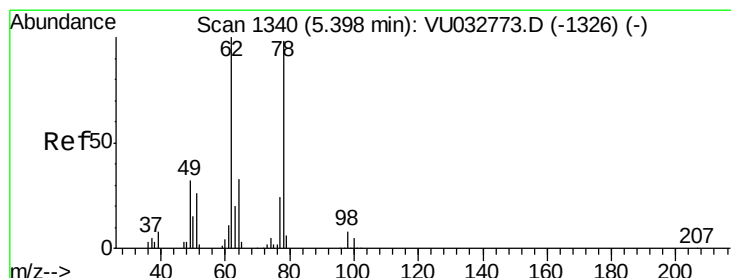
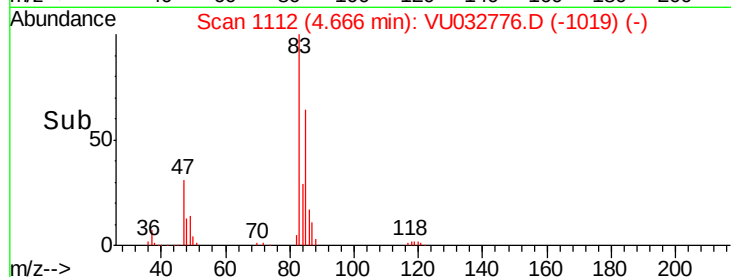
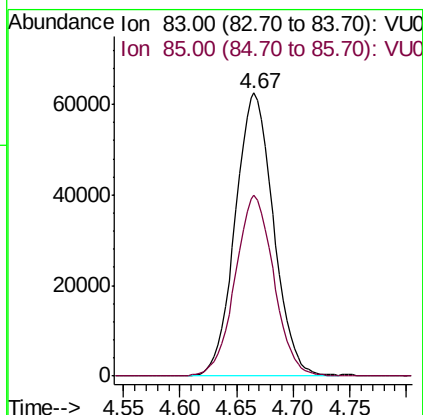
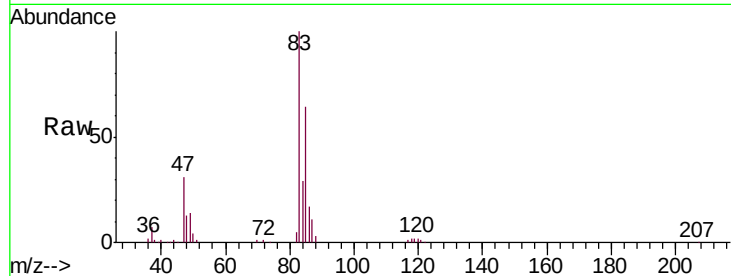




#25
Chloroform
Concen: 48.711 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032776.D
Acq: 17 Jun 2019 12:34

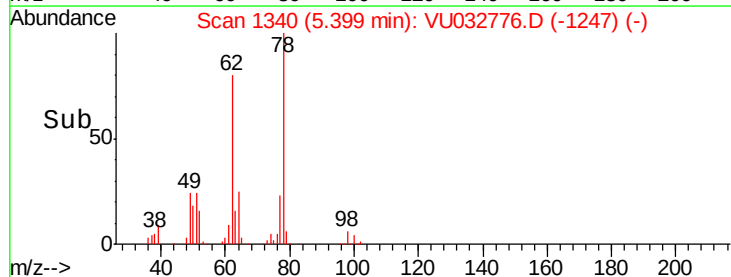
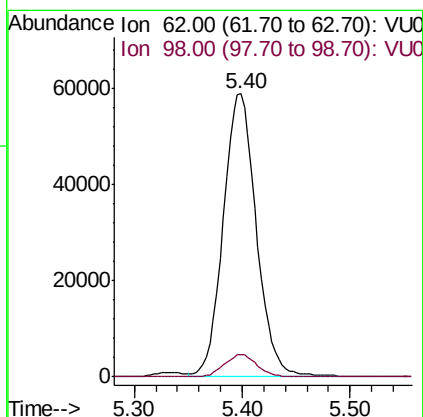
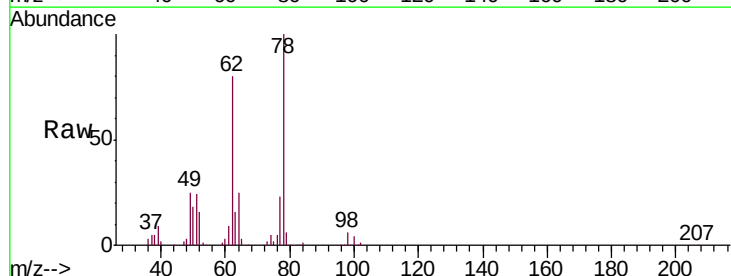
Instrument :
MSVOA_U
ClientSampleId :
VICV36

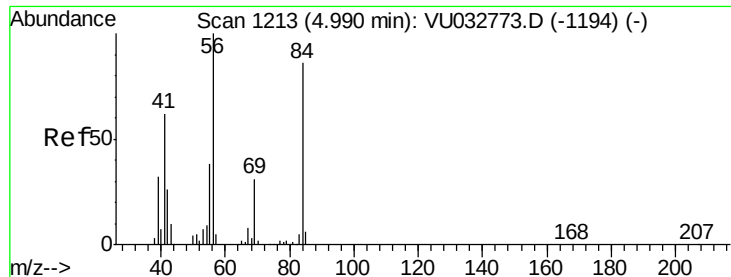
Tgt Ion: 83 Resp: 147166
Ion Ratio Lower Upper
83 100
85 63.9 44.2 82.2



#27
1,2-Dichloroethane
Concen: 50.263 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032776.D
Acq: 17 Jun 2019 12:34

Tgt Ion: 62 Resp: 124750
Ion Ratio Lower Upper
62 100
98 7.9 6.6 10.0

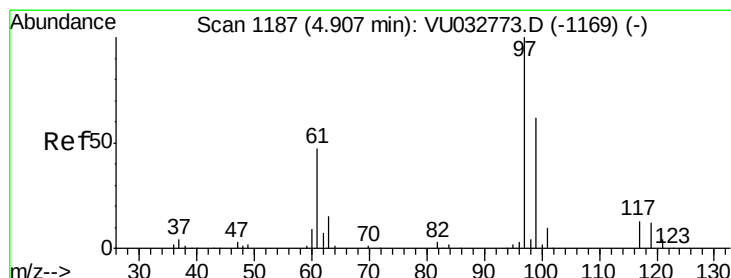
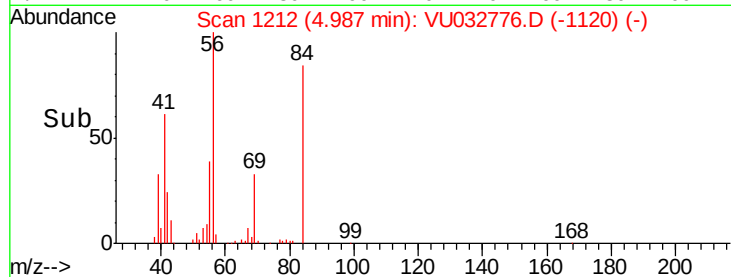
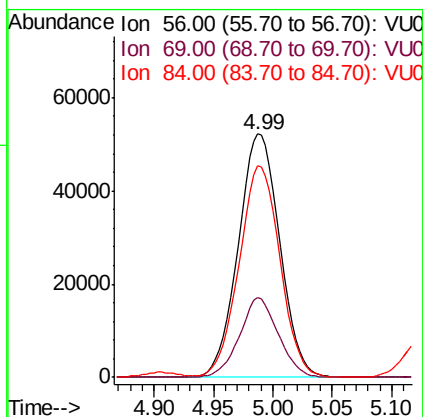
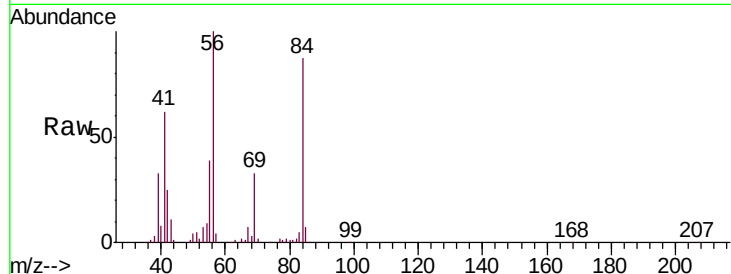




#29
Cyclohexane
Concen: 49.777 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU032776.D
Acq: 17 Jun 2019 12:34

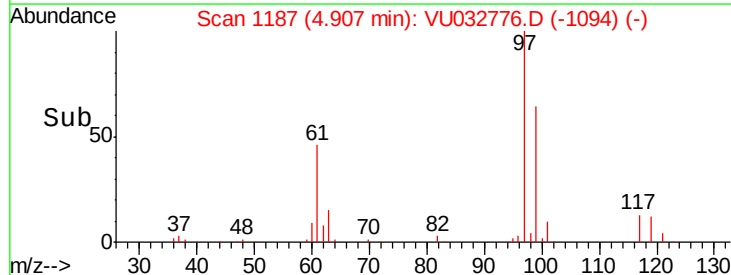
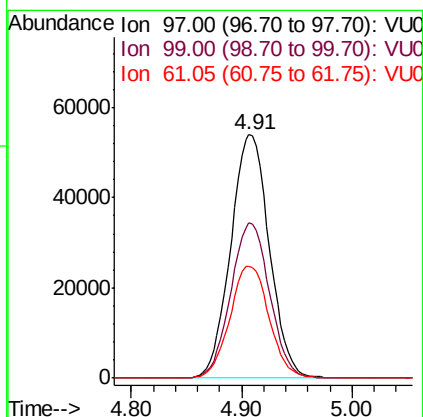
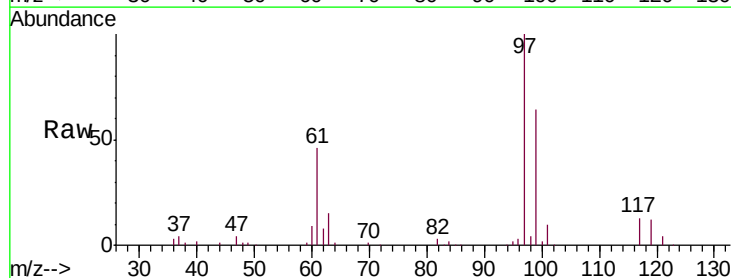
Instrument :
MSVOA_U
ClientSampleId :
VICV36

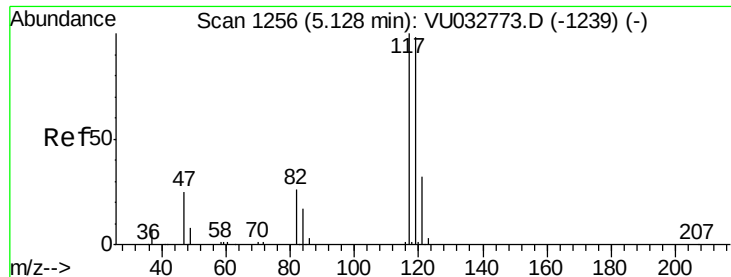
Tgt Ion: 56 Resp: 125807
Ion Ratio Lower Upper
56 100
69 30.7 24.2 36.4
84 86.0 68.0 102.0



#30
1,1,1-Trichloroethane
Concen: 49.672 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU032776.D
Acq: 17 Jun 2019 12:34

Tgt Ion: 97 Resp: 130992
Ion Ratio Lower Upper
97 100
99 64.3 50.7 76.1
61 46.7 36.7 55.1





#31

Carbon tetrachloride

Concen: 50.018 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

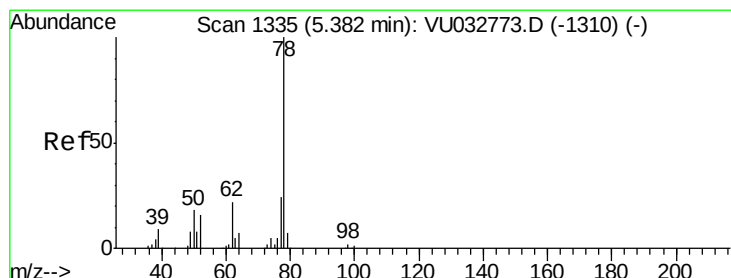
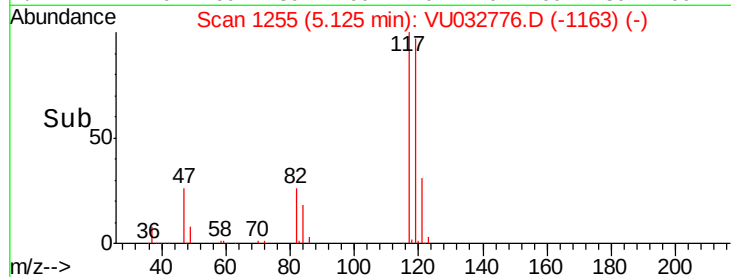
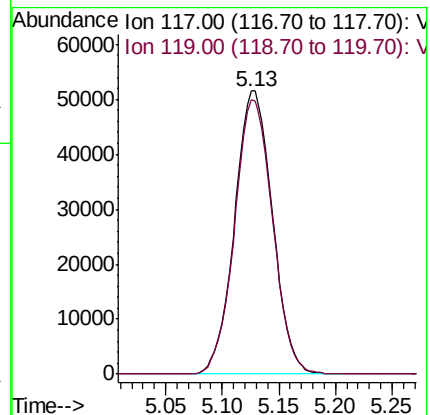
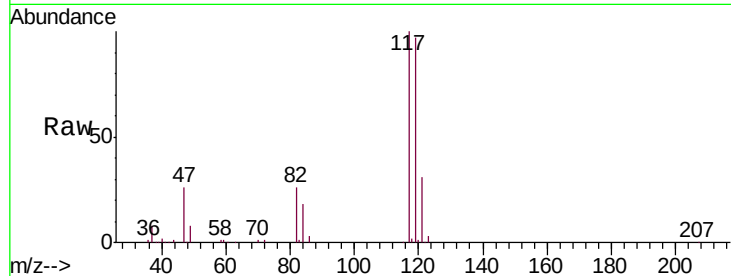
VICV36

Tgt Ion:117 Resp: 120017

Ion Ratio Lower Upper

117 100

119 97.2 76.3 114.5



#33

Benzene

Concen: 49.654 ug/L

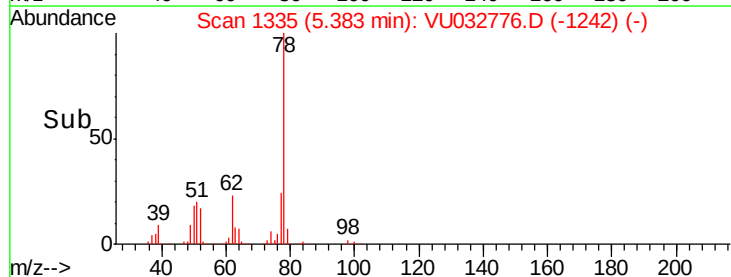
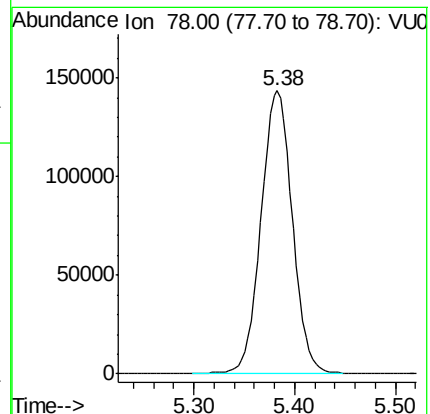
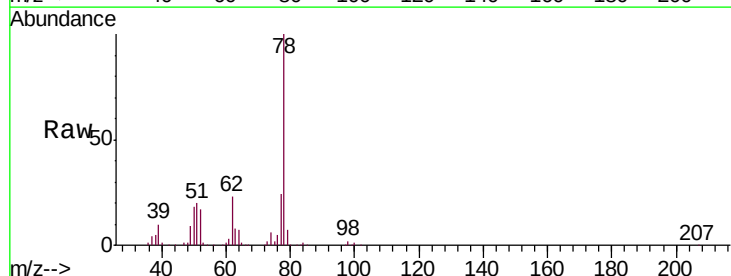
RT: 5.38 min Scan# 1335

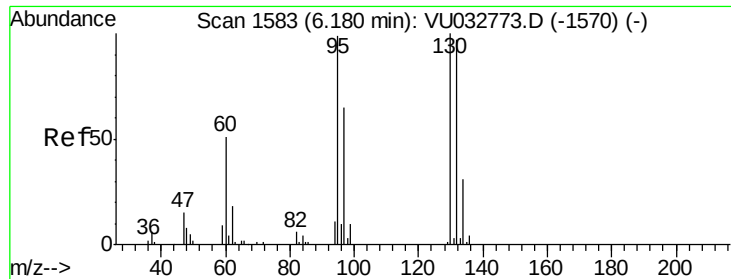
Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Tgt Ion: 78 Resp: 309617





#34

Trichloroethene

Concen: 50.248 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

VICV36

Tgt Ion: 95 Resp: 83715

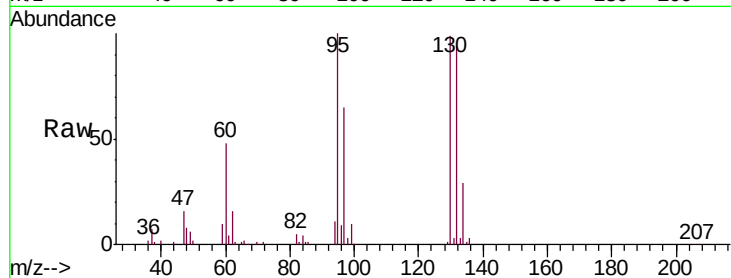
Ion Ratio Lower Upper

95 100

97 64.5 45.9 85.3

132 94.2 68.5 127.3

130 98.6 70.8 131.4

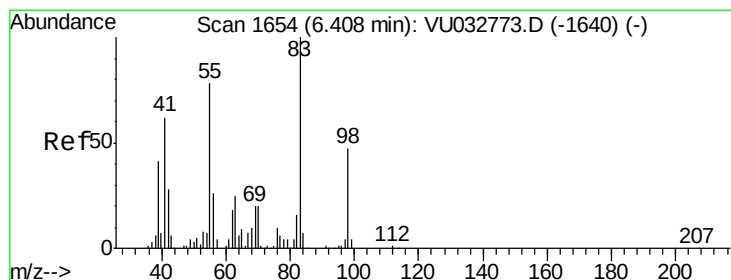
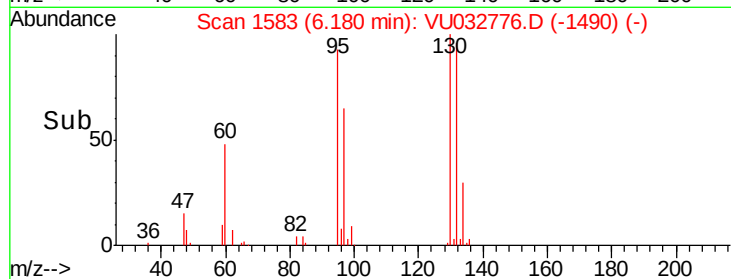
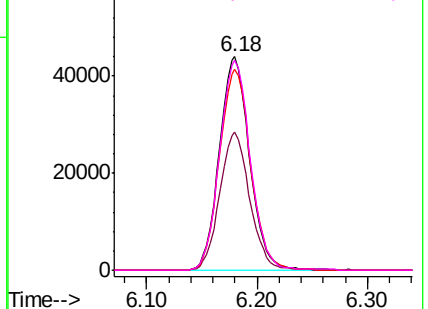


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 50.637 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

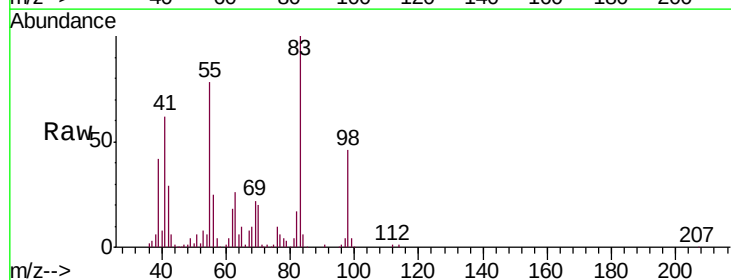
Tgt Ion: 83 Resp: 130403

Ion Ratio Lower Upper

83 100

55 79.3 62.6 94.0

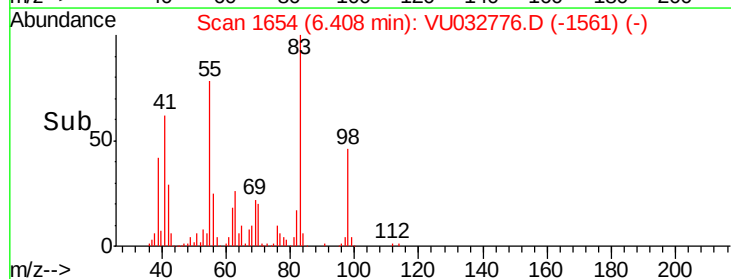
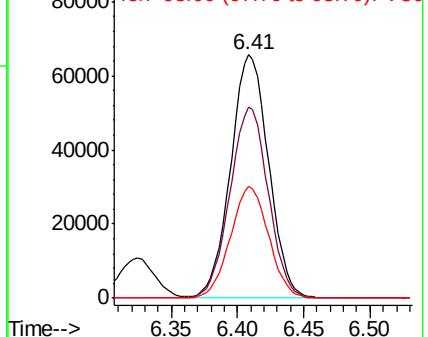
98 46.1 37.4 56.0

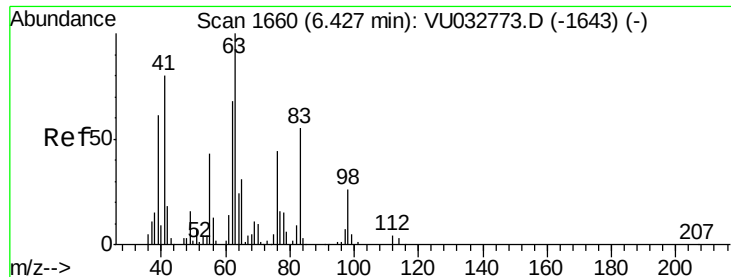


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

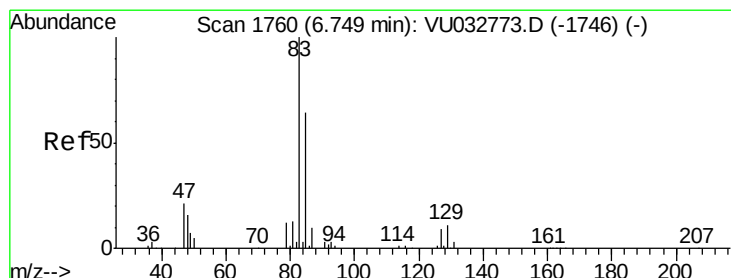
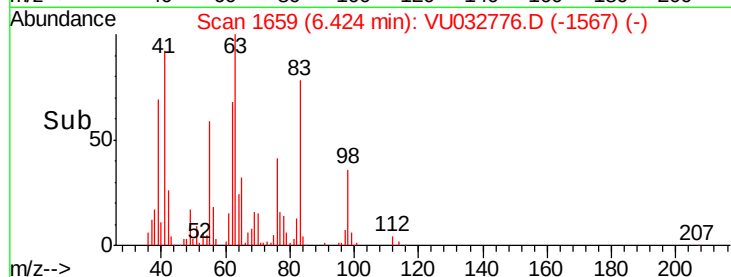
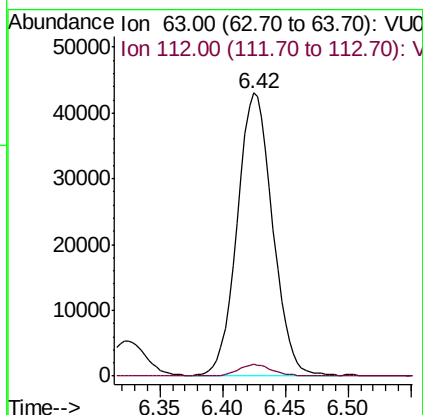
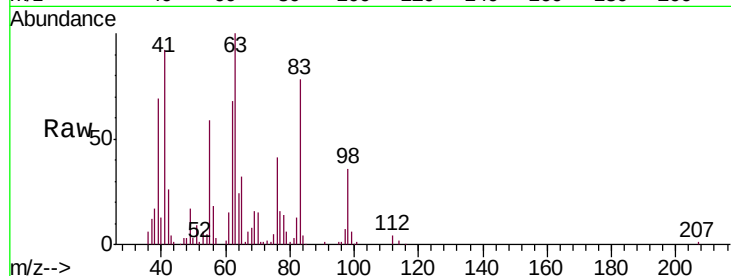




#37
 1,2-Dichloropropane
 Concen: 49.507 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU032776.D
 Acq: 17 Jun 2019 12:34

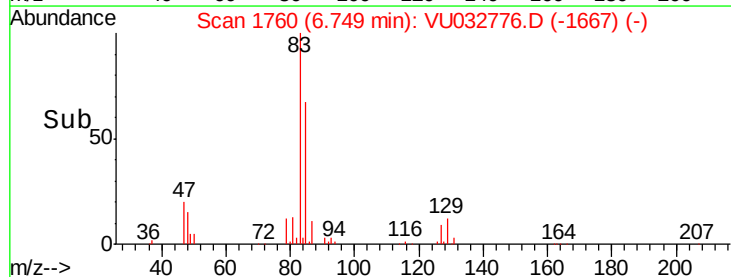
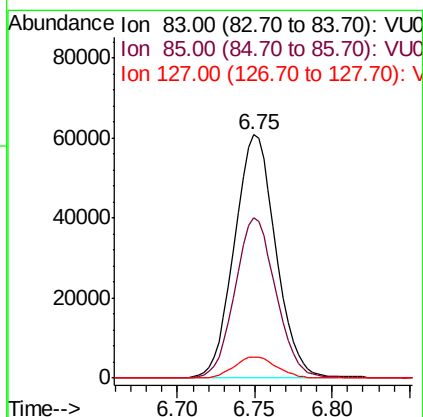
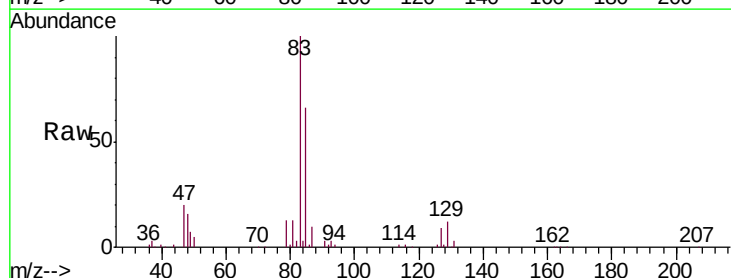
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

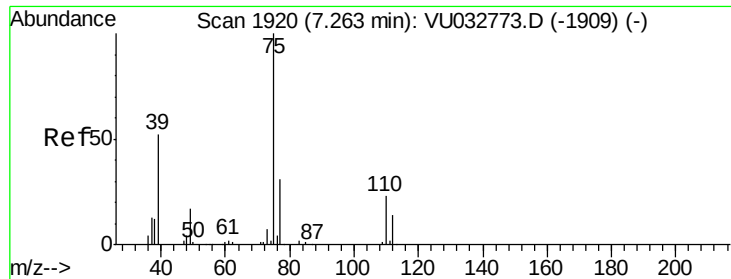
Tgt Ion: 63 Resp: 84679
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#38
 Bromodichloromethane
 Concen: 49.178 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. 0.00 min
 Lab File: VU032776.D
 Acq: 17 Jun 2019 12:34

Tgt Ion: 83 Resp: 113108
 Ion Ratio Lower Upper
 83 100
 85 65.9 45.0 83.6
 127 8.6 7.0 10.6

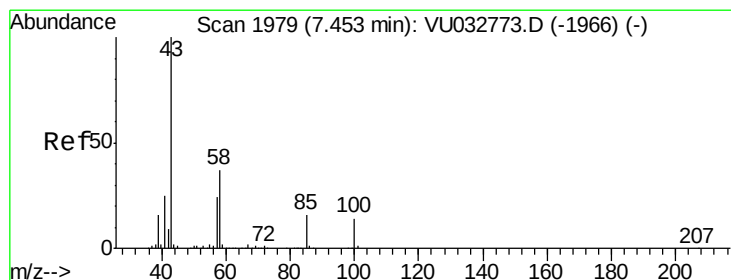
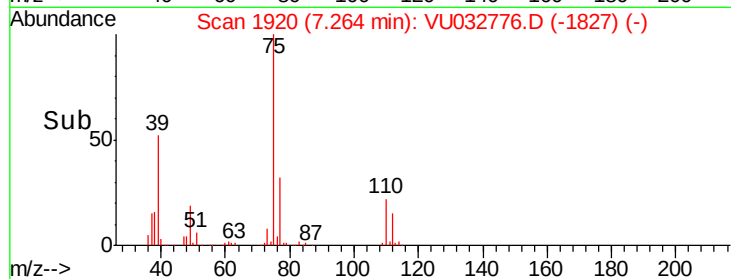
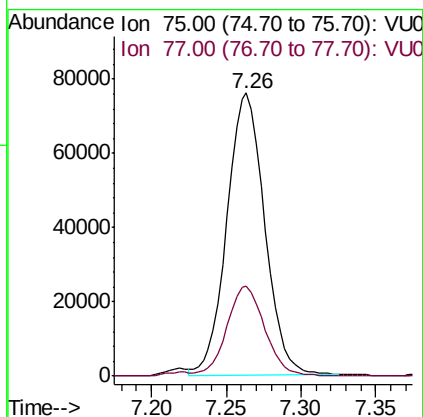
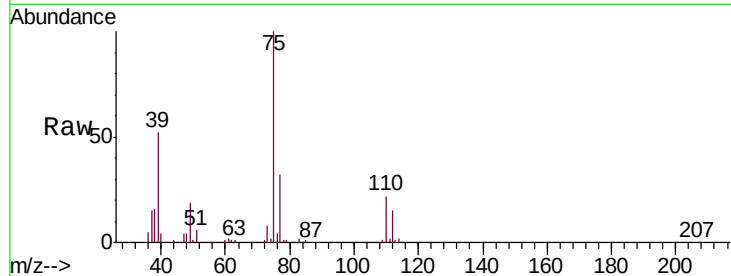




#39
 cis-1,3-Dichloropropene
 Concen: 50.111 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032776.D
 Acq: 17 Jun 2019 12:34

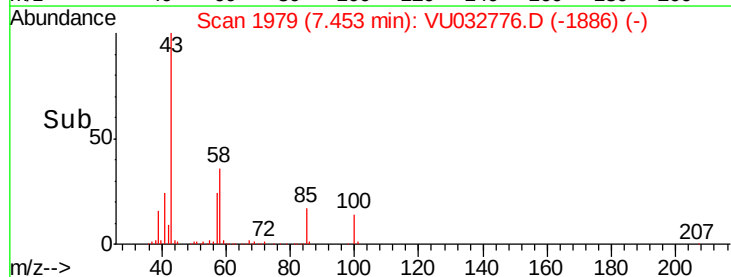
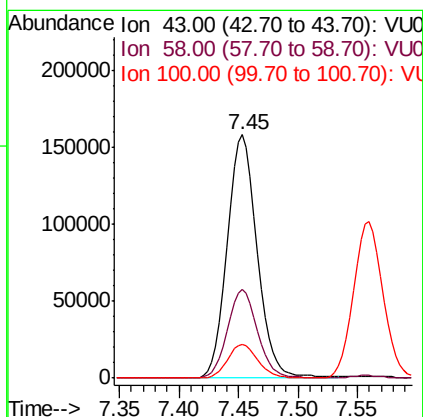
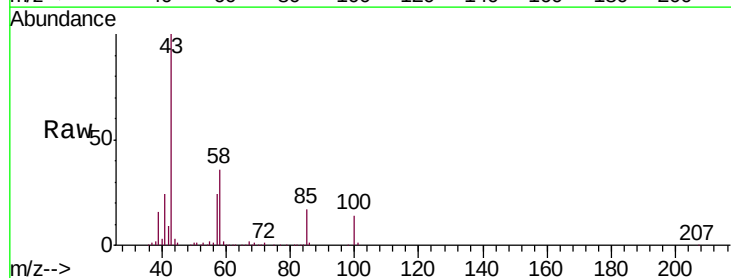
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

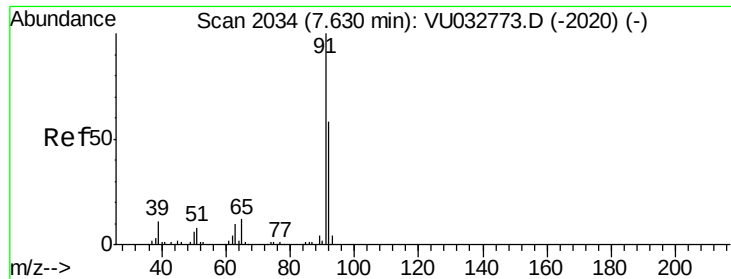
Tgt Ion: 75 Resp: 133538
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 101.245 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032776.D
 Acq: 17 Jun 2019 12:34

Tgt Ion: 43 Resp: 276478
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.4 44.2
 100 14.0 11.2 16.8





#42

Toluene

Concen: 50.150 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

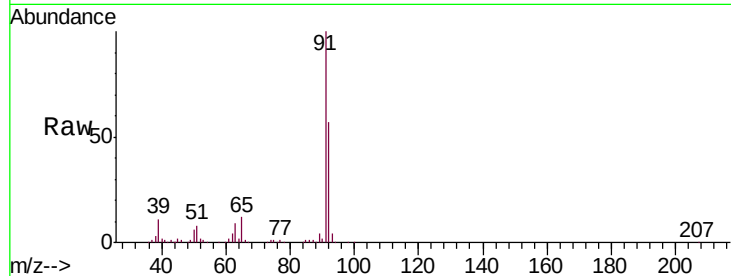
VICV36

Tgt Ion: 91 Resp: 338340

Ion Ratio Lower Upper

91 100

92 57.1 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU032776.D (-1941) (-)

Ion 92.00 (91.70 to 92.70): VU032776.D (-1941) (-)

7.63

200000

150000

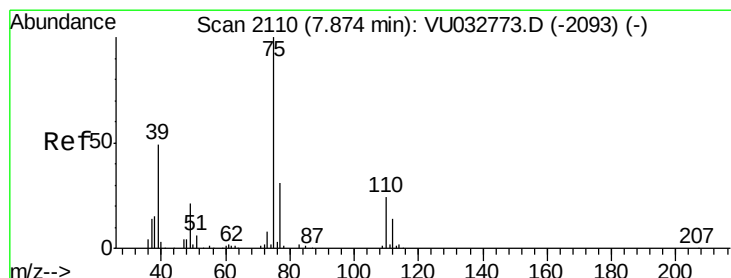
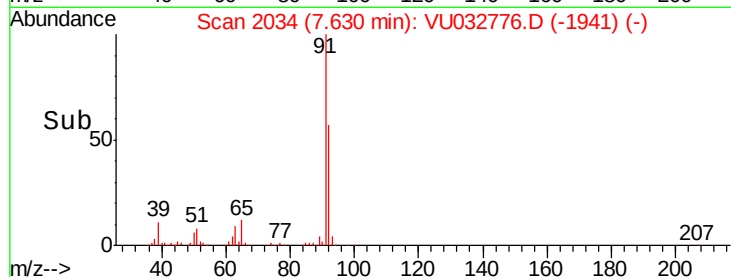
100000

50000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.337 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032776.D

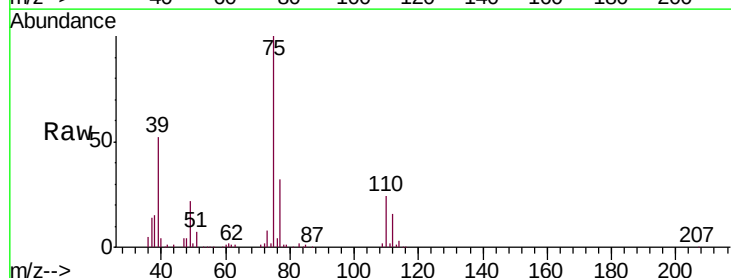
Acq: 17 Jun 2019 12:34

Tgt Ion: 75 Resp: 125992

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU032776.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU032776.D (-2017) (-)

7.87

80000

60000

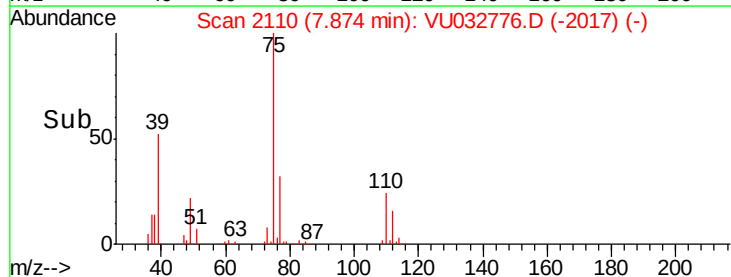
40000

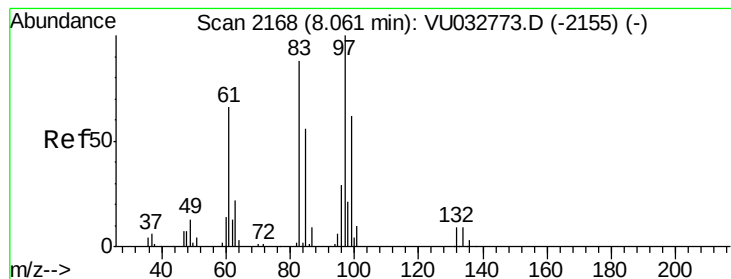
20000

0

7.80 7.90 8.00

Time-->





#45

1,1,2-Trichloroethane

Concen: 49.440 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

VICV36

Tgt Ion: 97 Resp: 78709

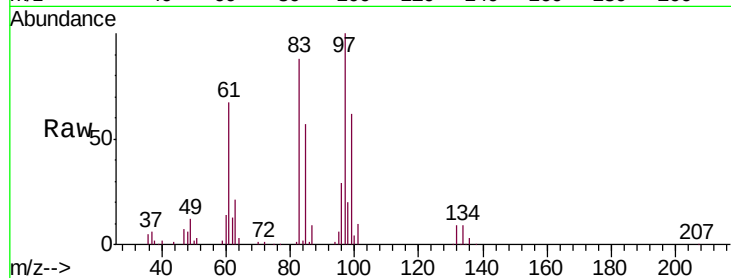
Ion Ratio Lower Upper

97 100

99 61.6 43.1 80.1

83 87.8 61.4 114.0

85 56.5 39.2 72.8

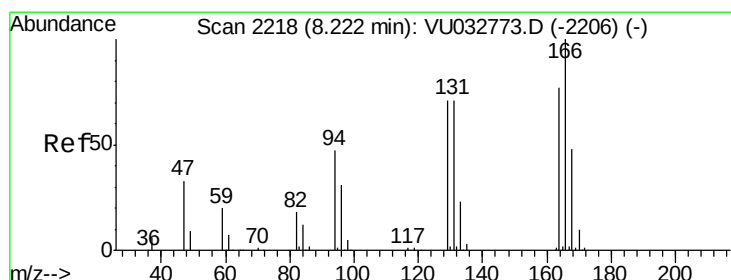
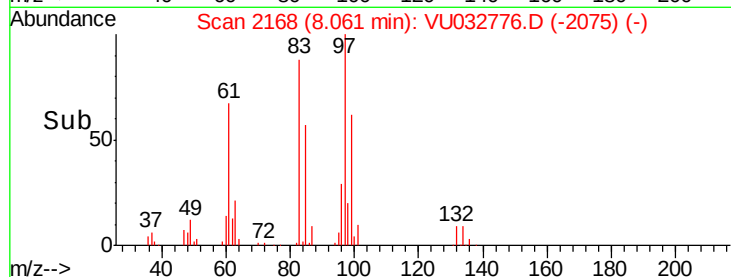
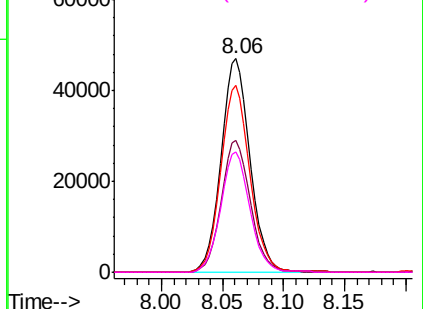


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 50.191 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Tgt Ion: 164 Resp: 68520

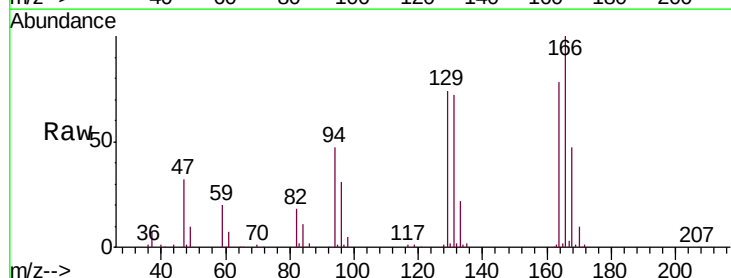
Ion Ratio Lower Upper

164 100

129 94.7 64.8 120.3

131 91.9 64.5 119.7

166 128.3 91.3 169.6

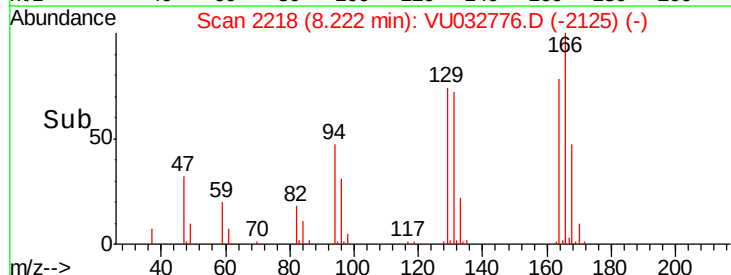
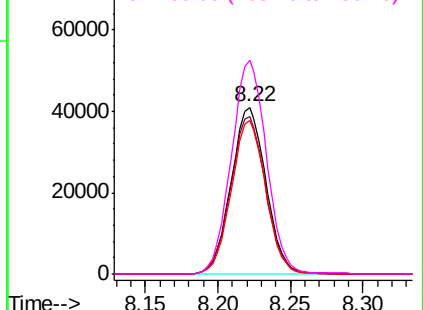


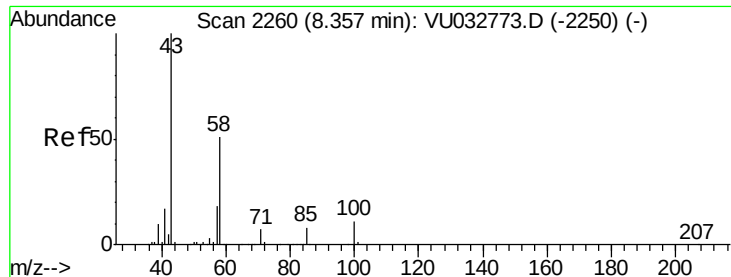
Abundance Ion 164.00 (163.70 to 164.70): V

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

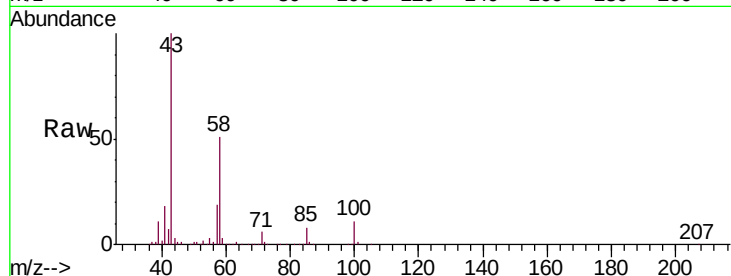




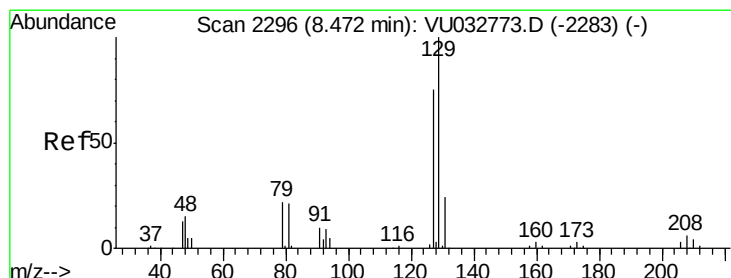
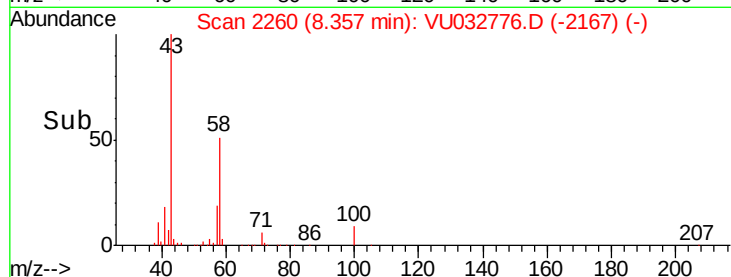
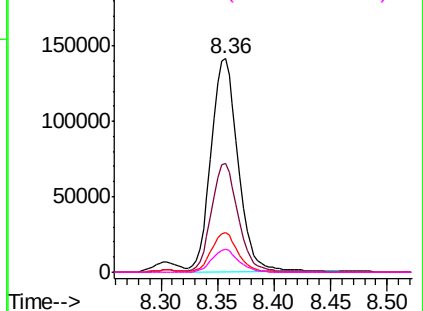
#48
2-Hexanone
Concen: 96.973 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032776.D
Acq: 17 Jun 2019 12:34

Instrument :
MSVOA_U
ClientSampleId :
VICV36

Tgt Ion:	43	Resp:	233645
Ion	Ratio	Lower	Upper
43	100		
58	49.5	40.2	60.2
57	17.9	14.2	21.4
100	10.7	8.4	12.6

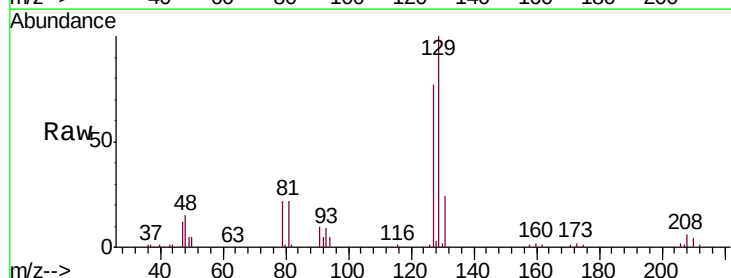


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

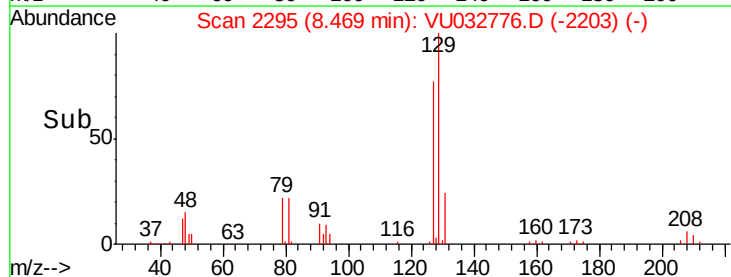
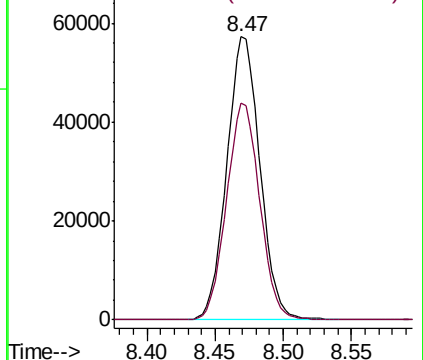


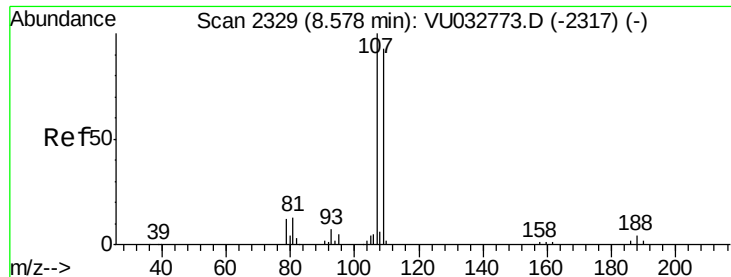
#49
Dibromochloromethane
Concen: 50.325 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032776.D
Acq: 17 Jun 2019 12:34

Tgt Ion:	129	Resp:	96585
Ion	Ratio	Lower	Upper
129	100		
127	76.7	52.3	97.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

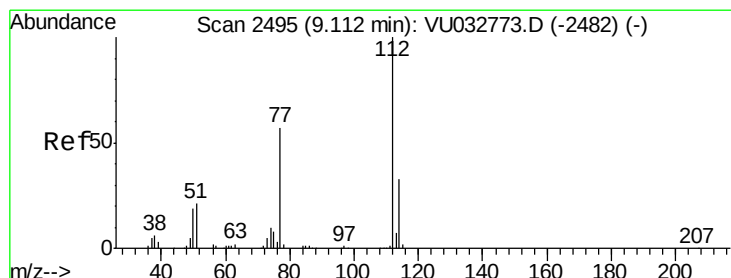
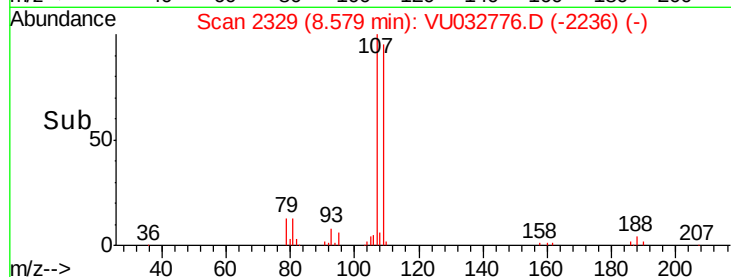
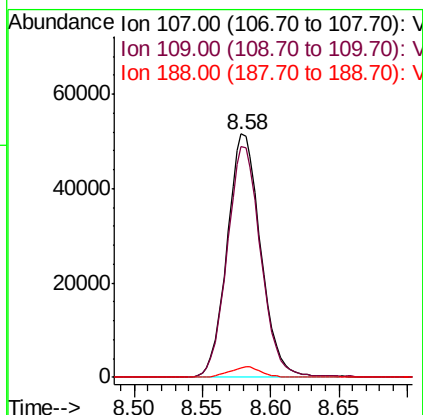
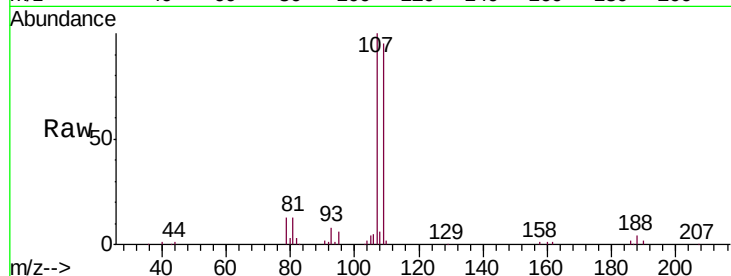




#50
1,2-Dibromoethane
Concen: 49.839 ug/L
RT: 8.58 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU032776.D
Acq: 17 Jun 2019 12:34

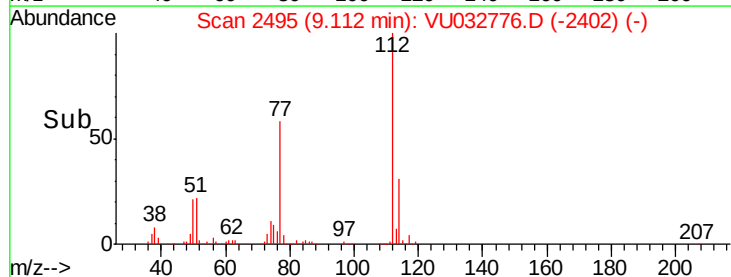
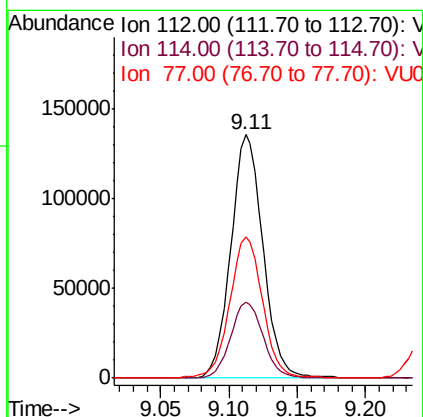
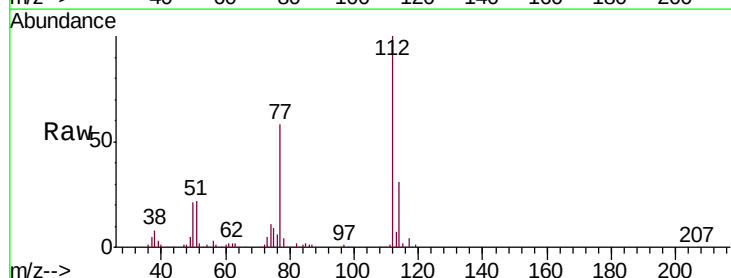
Instrument :
MSVOA_U
ClientSampleId :
VICV36

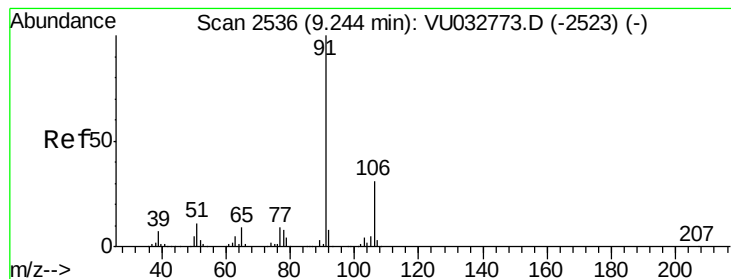
Tgt Ion:107 Resp: 88117
Ion Ratio Lower Upper
107 100
109 94.8 65.4 121.4
188 3.7 3.1 4.7



#51
Chlorobenzene
Concen: 49.913 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU032776.D
Acq: 17 Jun 2019 12:34

Tgt Ion:112 Resp: 221592
Ion Ratio Lower Upper
112 100
114 31.0 22.8 42.4
77 58.1 46.3 69.5





#52

Ethylbenzene

Concen: 51.027 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampled :

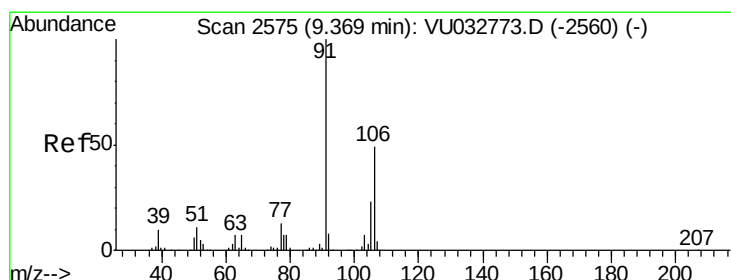
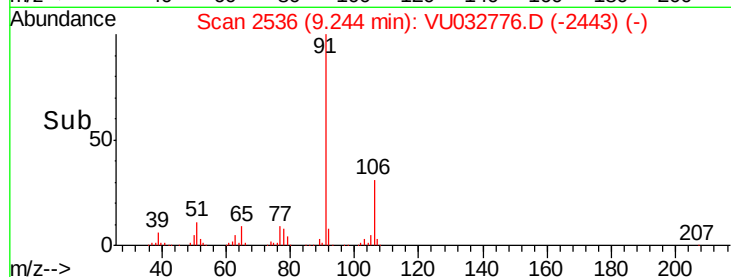
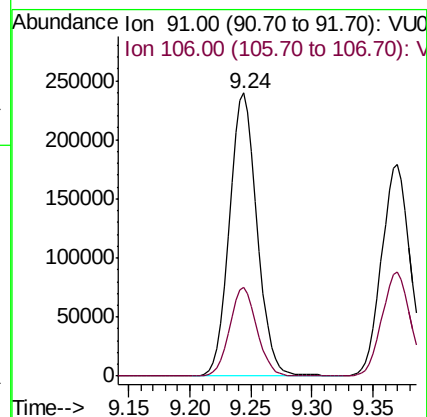
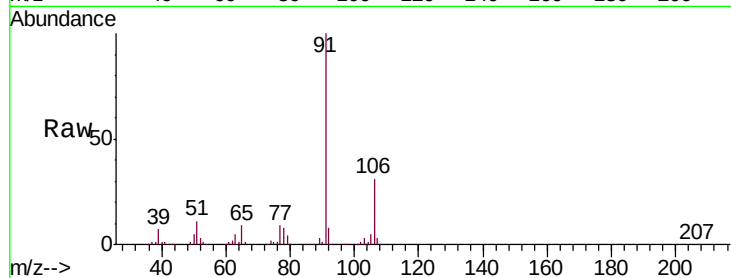
VICV36

Tgt Ion: 91 Resp: 381056

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.4



#53

m,p-Xylene

Concen: 50.716 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032776.D

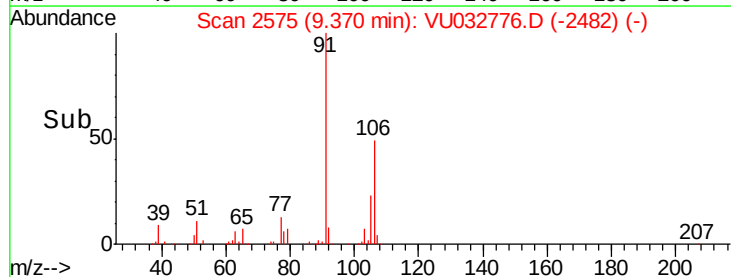
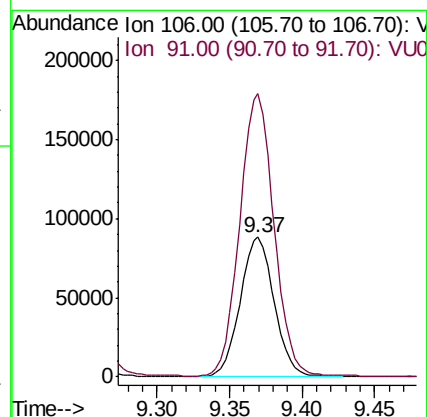
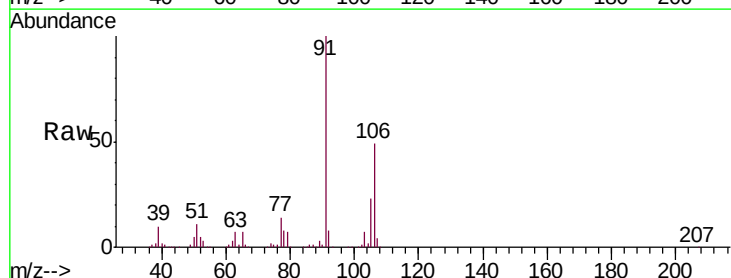
Acq: 17 Jun 2019 12:34

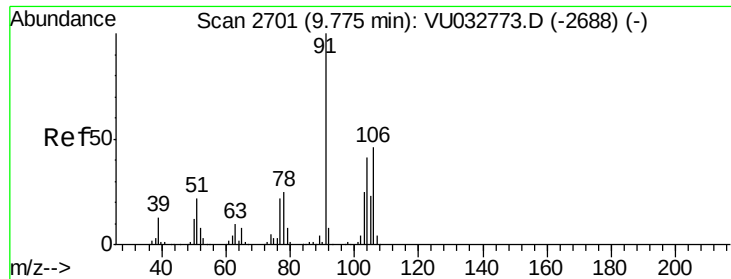
Tgt Ion: 106 Resp: 142895

Ion Ratio Lower Upper

106 100

91 202.7 142.9 265.5





#54

o-xylene

Concen: 51.067 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

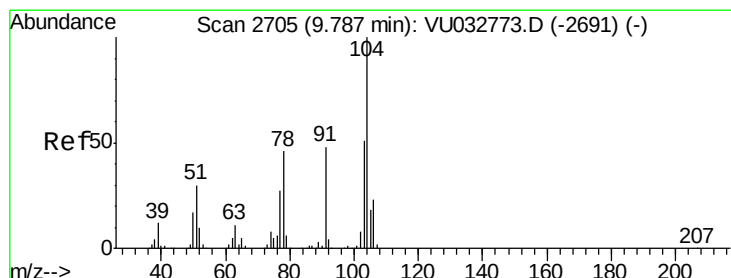
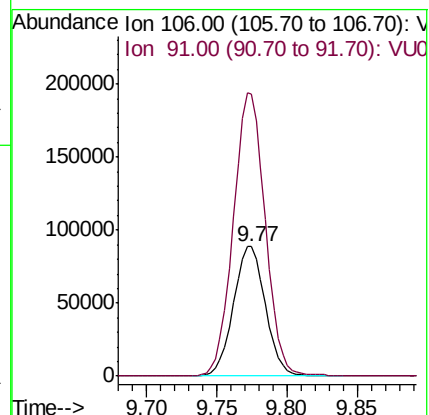
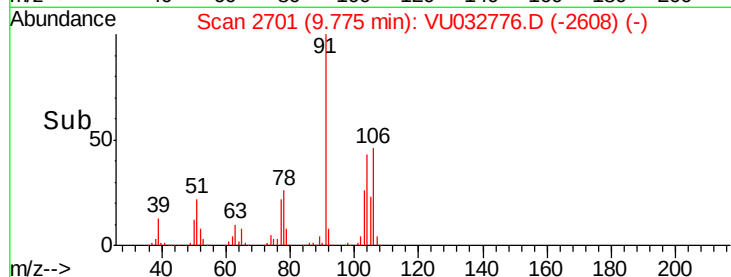
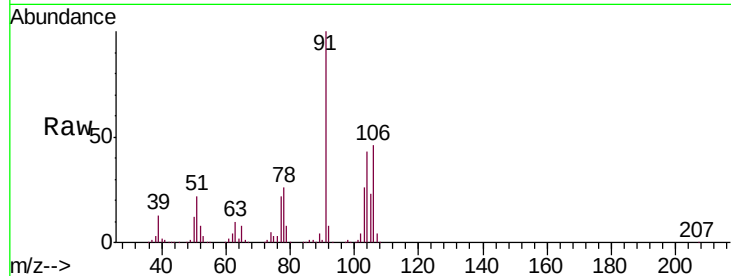
VICV36

Tgt Ion:106 Resp: 140513

Ion Ratio Lower Upper

106 100

91 217.8 152.9 284.1



#55

Styrene

Concen: 51.598 ug/L

RT: 9.78 min Scan# 2704

Delta R.T. -0.00 min

Lab File: VU032776.D

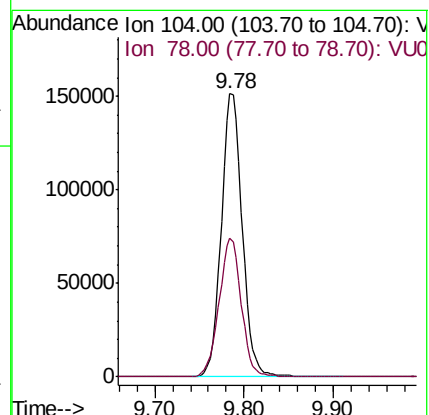
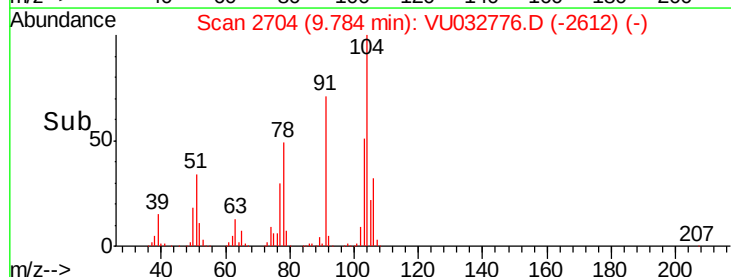
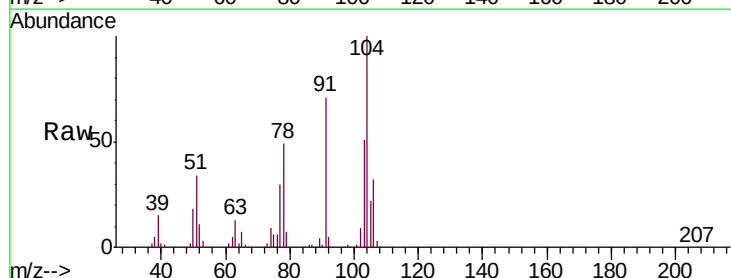
Acq: 17 Jun 2019 12:34

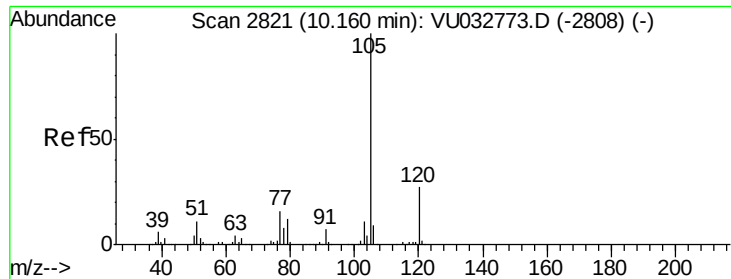
Tgt Ion:104 Resp: 246297

Ion Ratio Lower Upper

104 100

78 49.0 32.1 59.5





#56

Isopropylbenzene

Concen: 50.800 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

VICV36

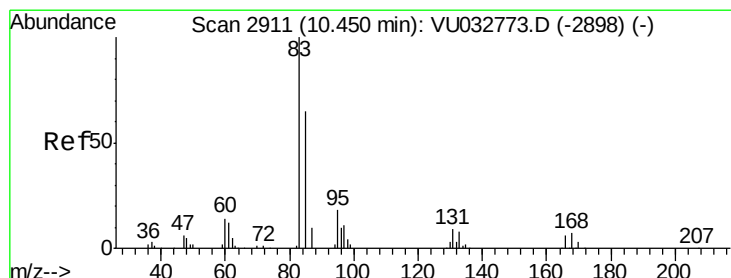
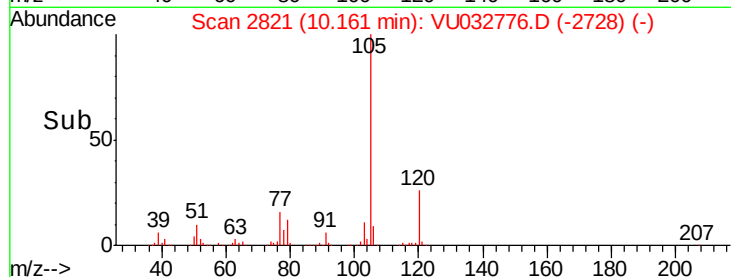
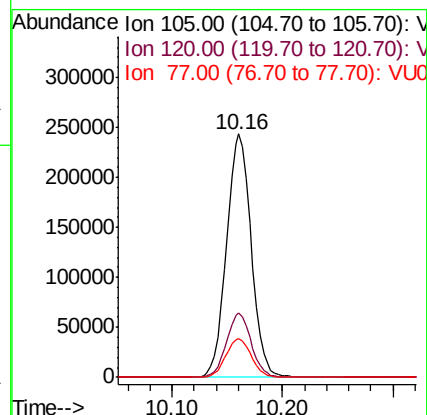
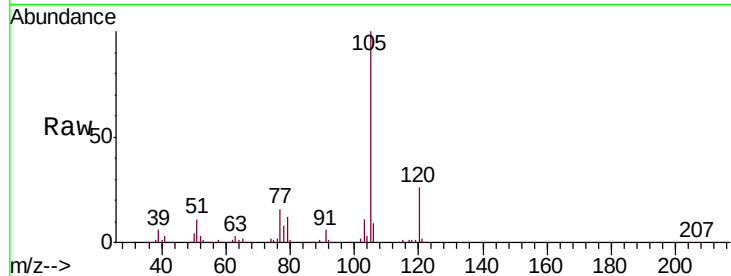
Tgt Ion: 105 Resp: 376696

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.0

77 16.5 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 49.399 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

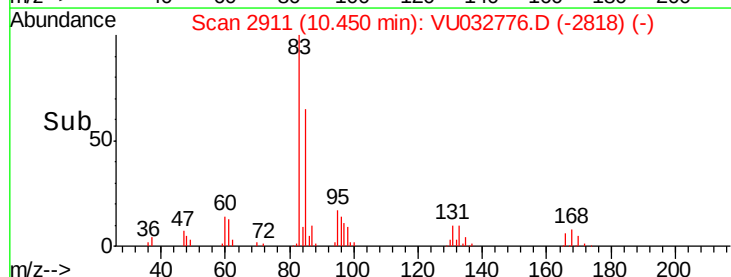
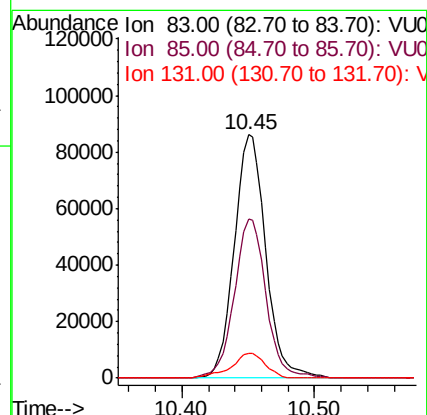
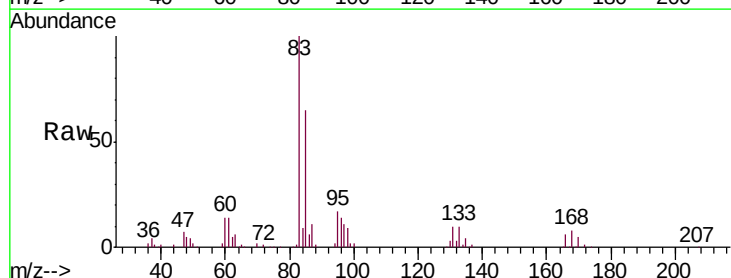
Tgt Ion: 83 Resp: 142308

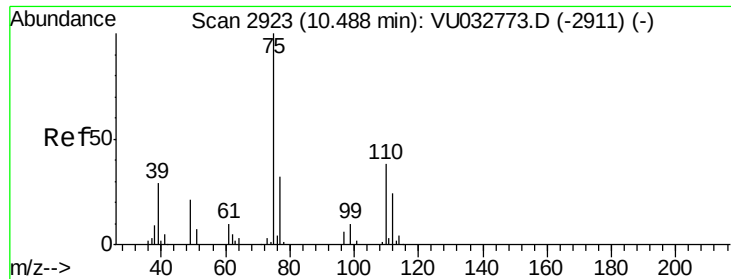
Ion Ratio Lower Upper

83 100

85 65.2 45.8 85.2

131 10.3 7.8 11.8





#59

1,2,3-Trichloropropane

Concen: 49.922 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

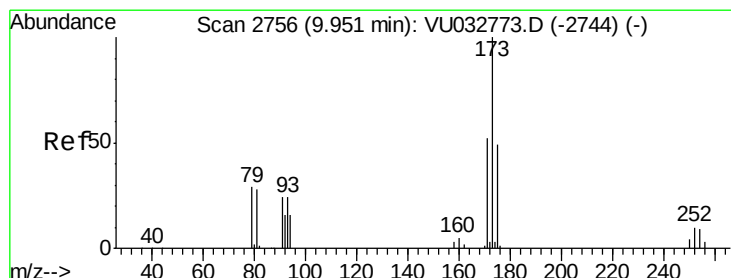
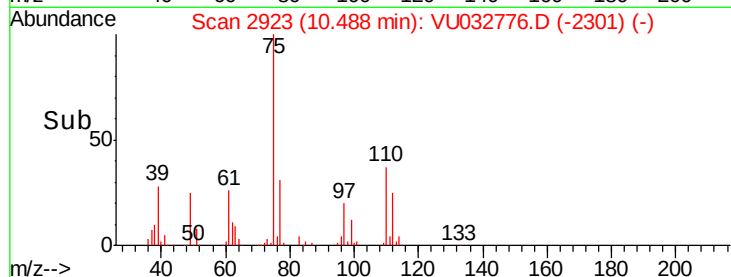
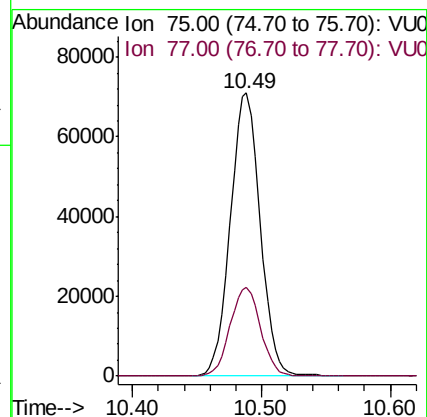
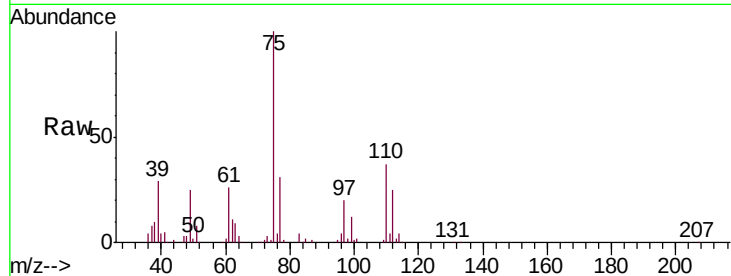
VICV36

Tgt Ion: 75 Resp: 113955

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3



#61

Bromoform

Concen: 50.118 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

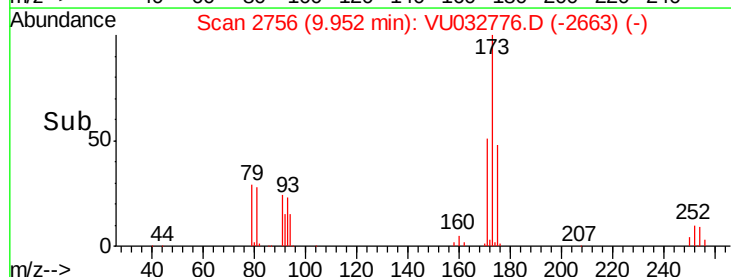
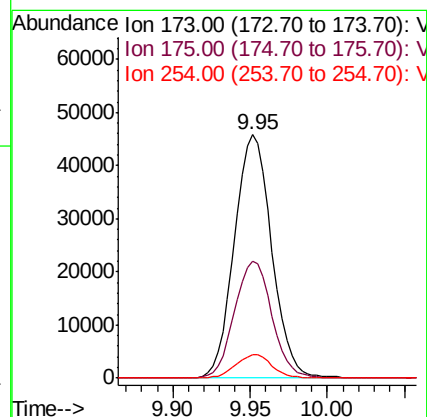
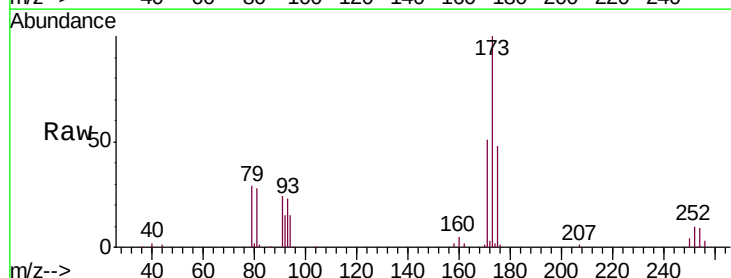
Tgt Ion: 173 Resp: 76682

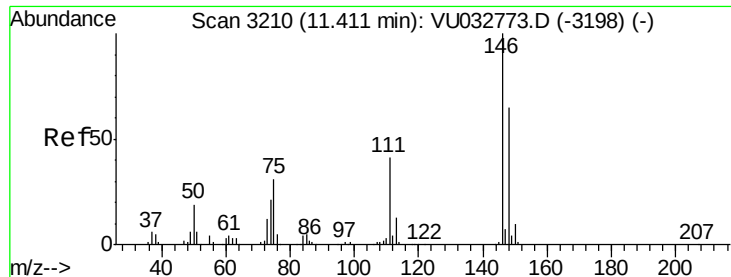
Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

254 9.3 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 50.116 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

VICV36

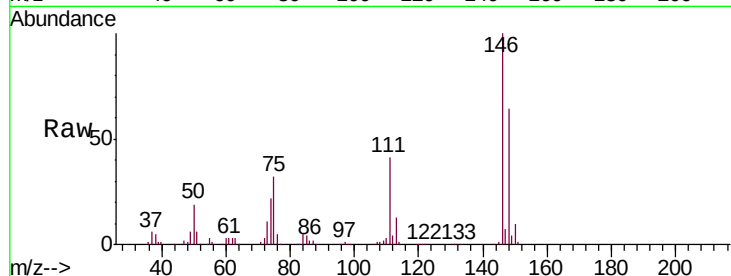
Tgt Ion:146 Resp: 182534

Ion Ratio Lower Upper

146 100

111 40.6 28.4 52.8

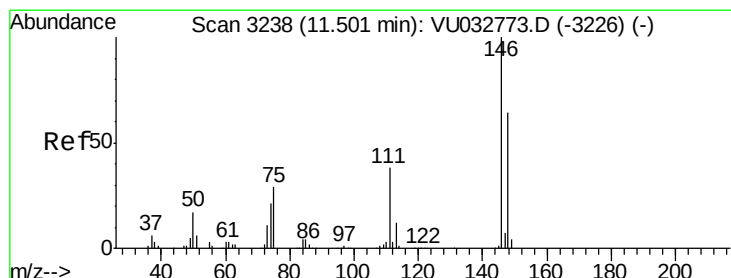
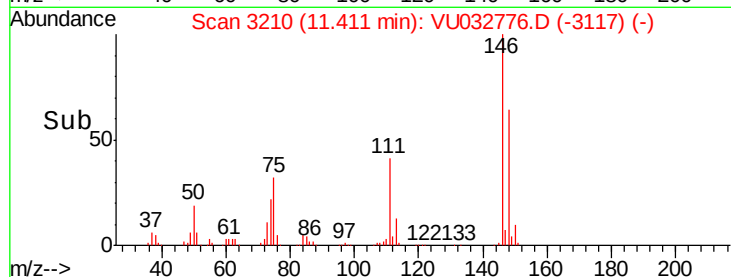
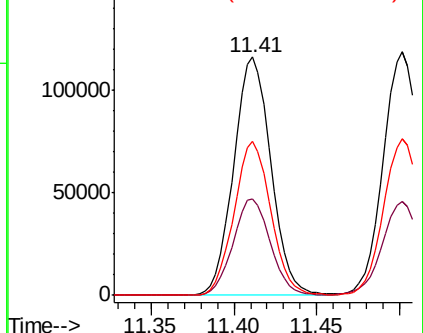
148 64.4 45.5 84.5



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: 49.770 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

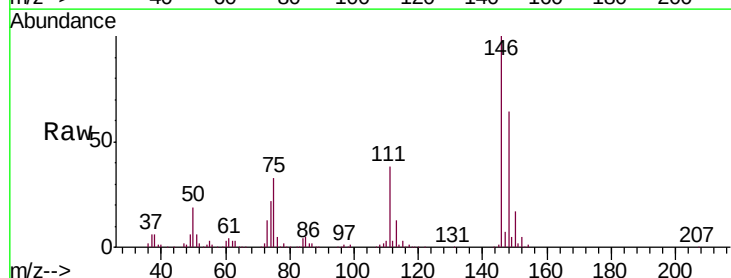
Tgt Ion:146 Resp: 187230

Ion Ratio Lower Upper

146 100

111 38.4 26.9 50.1

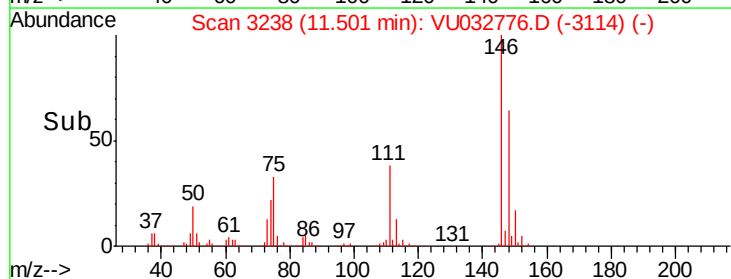
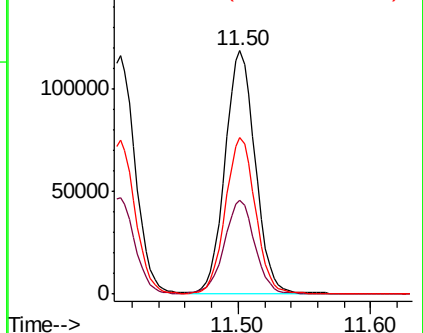
148 64.4 44.7 83.1

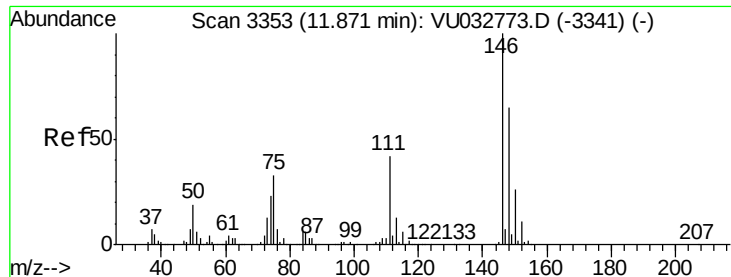


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

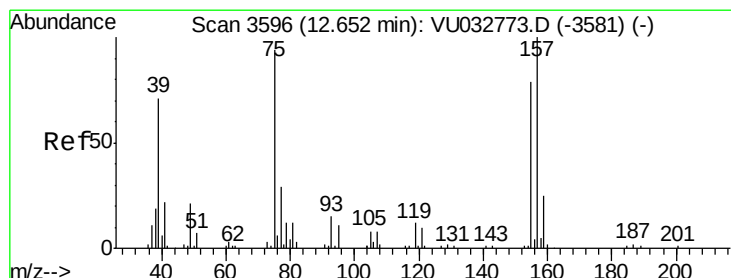
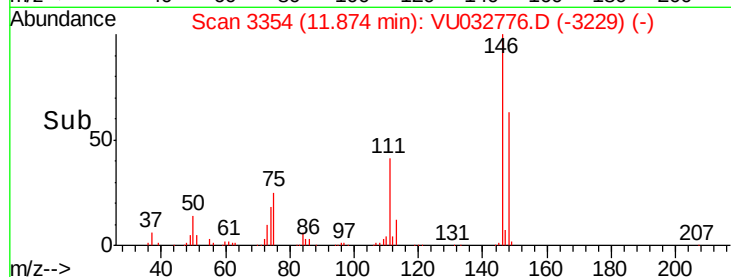
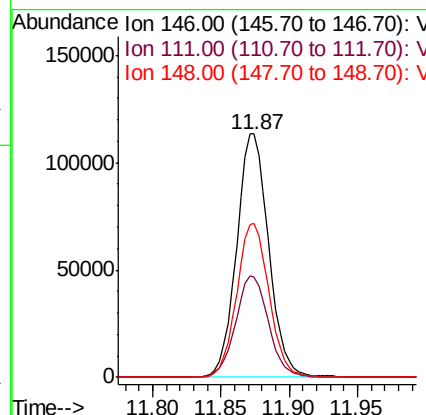
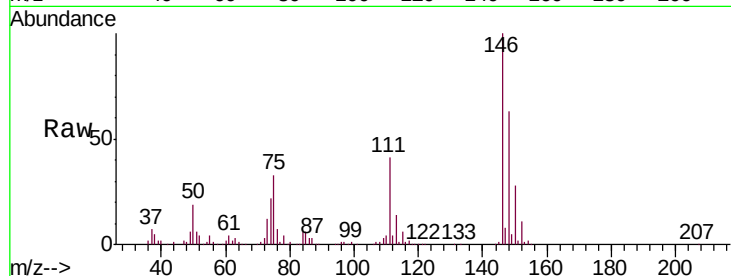




#65
 1,2-Dichlorobenzene
 Concen: 49.772 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032776.D
 Acq: 17 Jun 2019 12:34

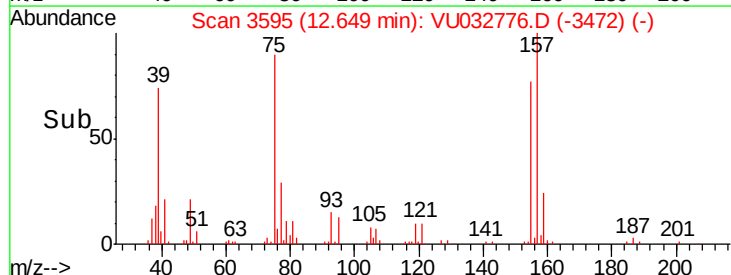
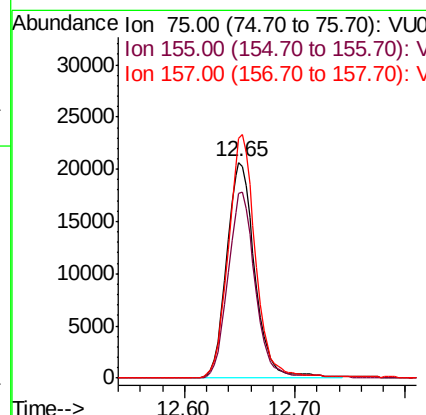
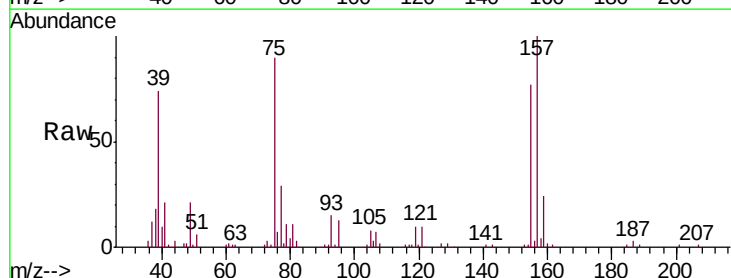
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

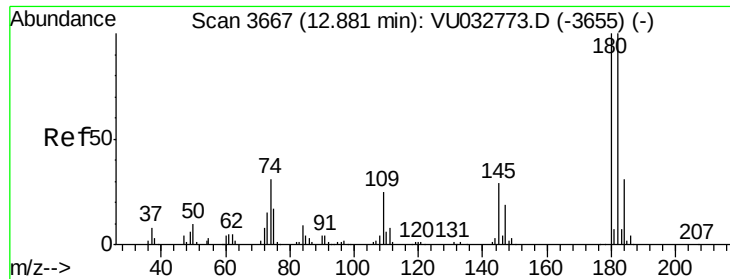
Tgt Ion: 146 Resp: 185098
 Ion Ratio Lower Upper
 146 100
 111 41.4 34.1 51.1
 148 63.2 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.351 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU032776.D
 Acq: 17 Jun 2019 12:34

Tgt Ion: 75 Resp: 36433
 Ion Ratio Lower Upper
 75 100
 155 85.7 67.4 101.2
 157 111.2 85.5 128.3

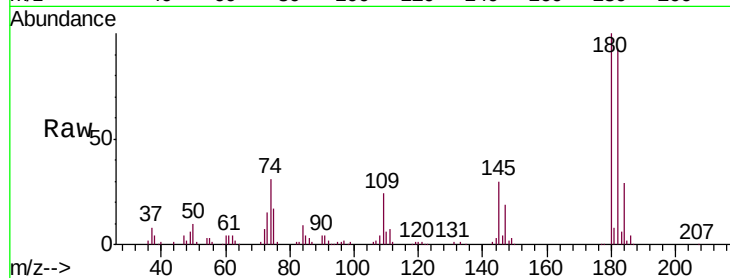




#67
 1,3,5-Trichlorobenzene
 Concen: 51.235 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU032776.D
 Acq: 17 Jun 2019 12:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	78.3	117.5
184	29.8	24.8	37.2
145	29.4	23.4	35.2



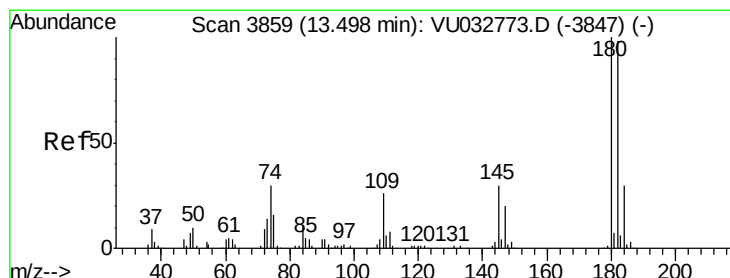
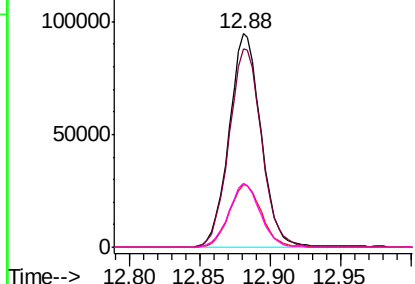
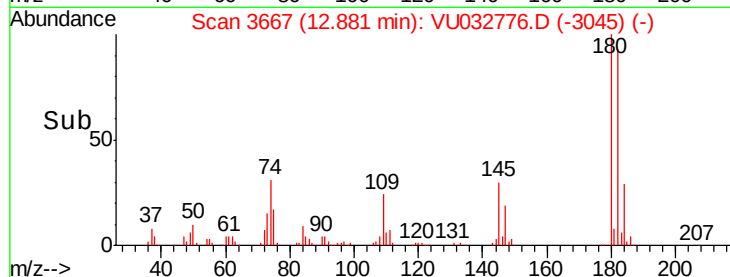
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

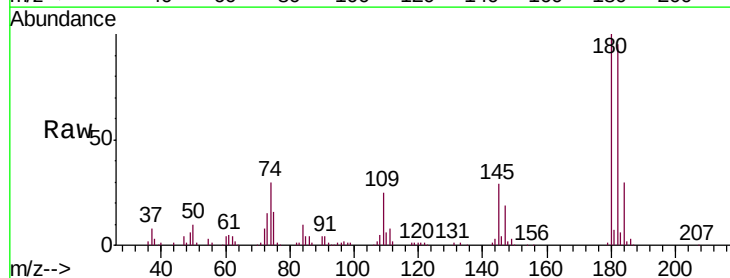
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.134 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032776.D
 Acq: 17 Jun 2019 12:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.4
145	29.2	23.8	35.8

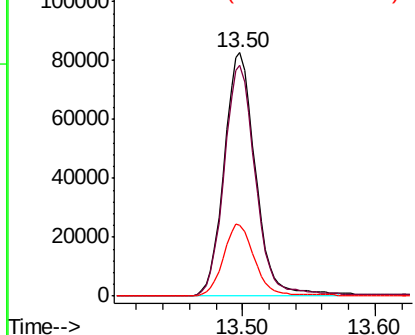
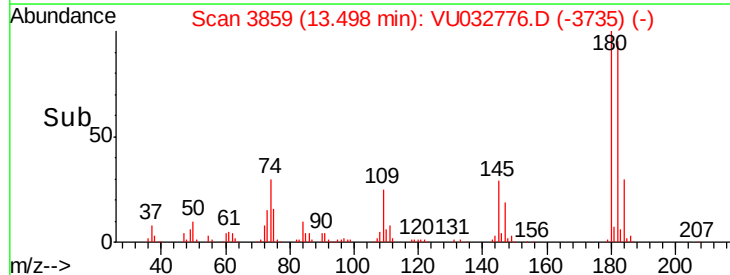


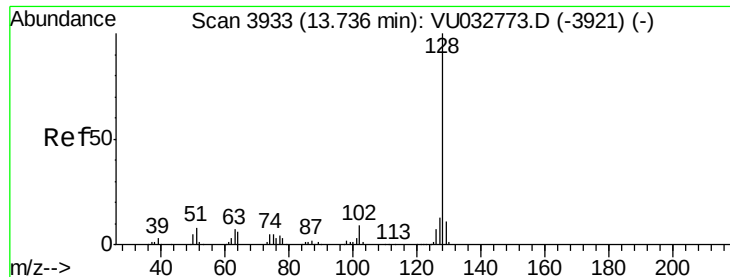
Abundance

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: 55.909 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

VICV36

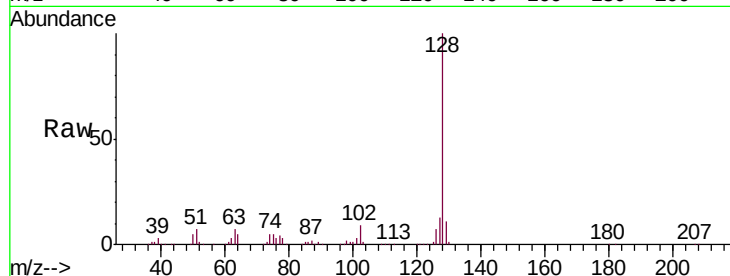
Tgt Ion:128 Resp: 432869

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

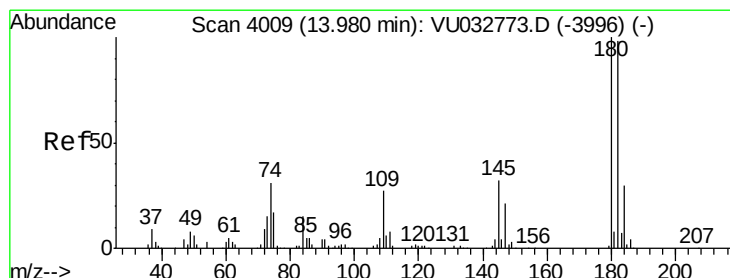
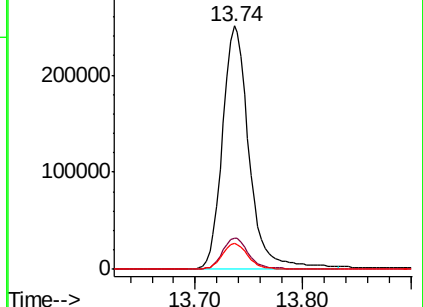
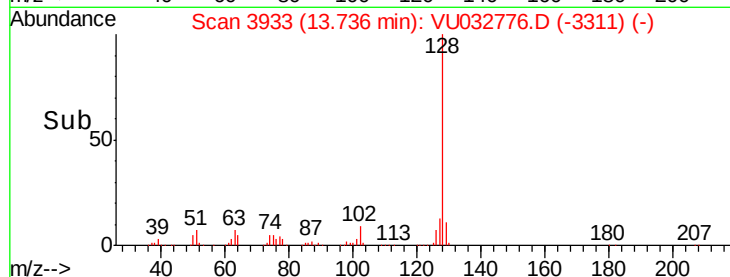
129 10.4 8.6 13.0



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: 52.677 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU032776.D

Acq: 17 Jun 2019 12:34

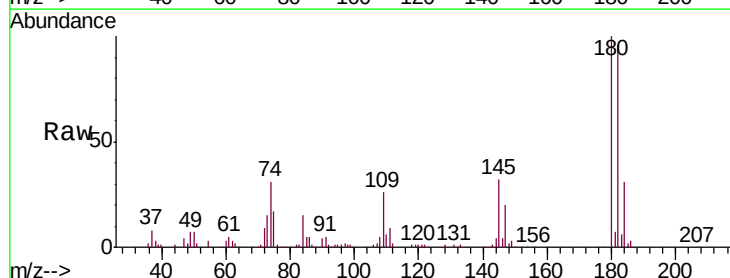
Tgt Ion:180 Resp: 140426

Ion Ratio Lower Upper

180 100

182 97.4 77.0 115.6

145 31.5 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

