

Data File : VU031987.D
Acq On : 14 May 2019 12:18
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV55

Quant Time: May 15 02:10:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 02:07:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1113150	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1127352	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	506441	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	468840	48.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.00%
7) Chloroethane-d5	1.67	69	381223	48.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.27	63	838149	47.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.74%
21) 2-Butanone-d5	4.17	46	697195	101.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.93%
24) Chloroform-d	4.64	84	790967	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
26) 1,2-Dichloroethane-d4	5.30	65	488709	47.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.92%
32) Benzene-d6	5.34	84	1625649	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.62%
36) 1,2-Dichloropropane-d6	6.32	67	531956	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.80%
41) Toluene-d8	7.56	98	1470354	50.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.56%
43) trans-1,3-Dichloropropene-	7.85	79	244005	51.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.72%
47) 2-Hexanone-d5	8.31	63	467878	107.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	770528	48.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.70%
64) 1,2-Dichlorobenzene-d4	11.85	152	537752	50.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	463526	45.230 ug/L	99
3) Chloromethane	1.33	50	525764	45.937 ug/L	100
5) Vinyl chloride	1.40	62	556800	46.440 ug/L	99
6) Bromomethane	1.61	94	318603	50.558 ug/L	100
8) Chloroethane	1.69	64	329570	46.457 ug/L	100
9) Trichlorofluoromethane	1.88	101	614565	45.290 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	376970	45.507 ug/L	99
12) 1,1-Dichloroethene	2.28	96	391221	47.588 ug/L	98
13) Acetone	2.32	43	666460	94.776 ug/L	99
14) Carbon disulfide	2.47	76	1245730	46.911 ug/L	99
15) Methyl Acetate	2.61	43	495313	46.389 ug/L #	100
16) Methylene chloride	2.70	84	453953	45.279 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	406371	47.516 ug/L	97
18) Methyl tert-butyl Ether	2.99	73	1277763	48.622 ug/L	99
19) 1,1-Dichloroethane	3.44	63	779701	46.428 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	453076	47.895 ug/L	99
22) 2-Butanone	4.26	43	829793	102.307 ug/L	99

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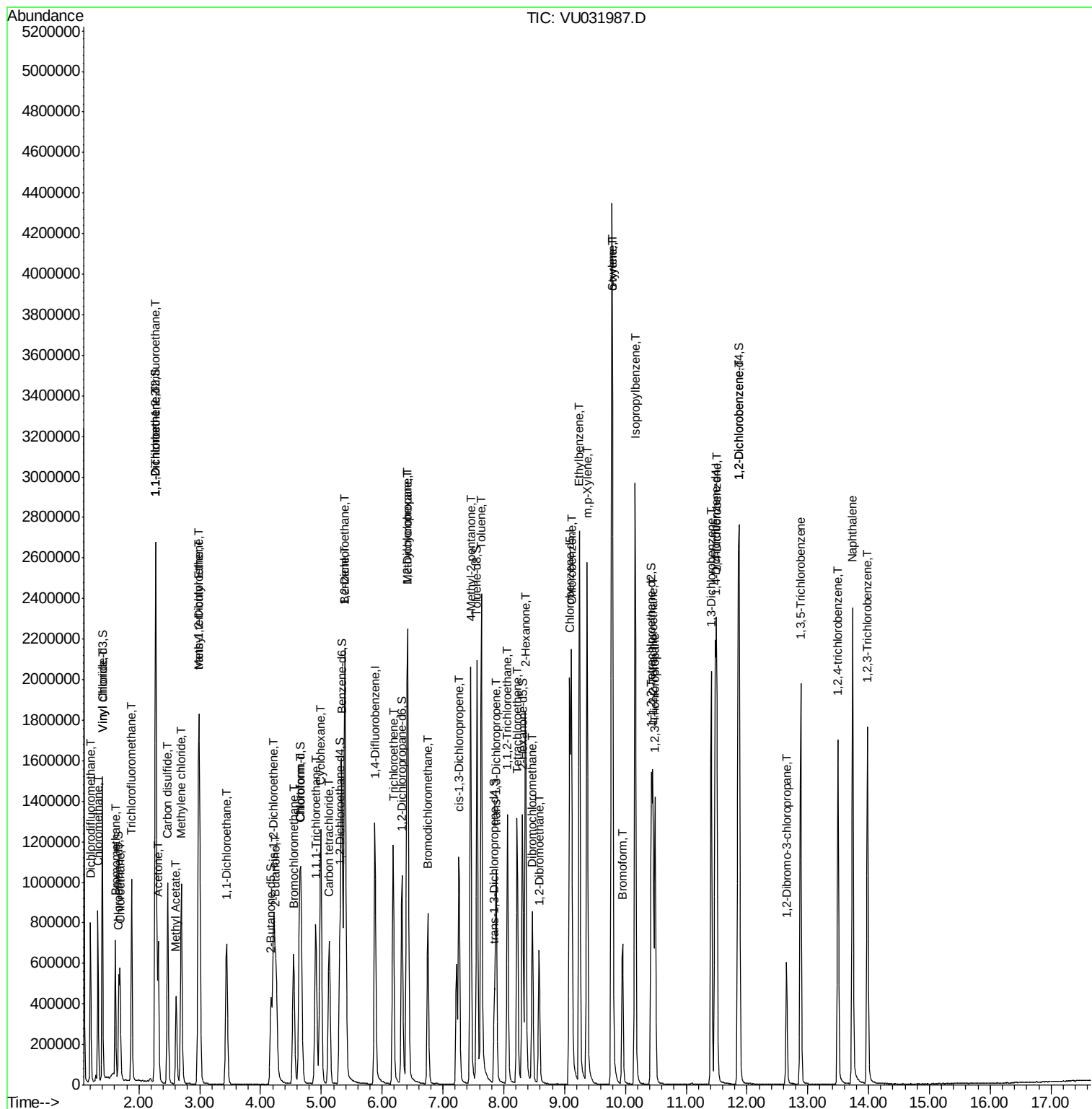
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	215419	46.463	ug/L	98
25) Chloroform	4.67	83	778397	46.900	ug/L	98
27) 1,2-Dichloroethane	5.40	62	596715	46.451	ug/L	99
29) Cyclohexane	4.99	56	709161	51.319	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	614465	47.006	ug/L	99
31) Carbon tetrachloride	5.13	117	512775	47.020	ug/L	100
33) Benzene	5.39	78	1769541	47.919	ug/L	100
34) Trichloroethene	6.18	95	434354	47.496	ug/L	99
35) Methylcyclohexane	6.41	83	689035	49.136	ug/L	98
37) 1,2-Dichloropropane	6.43	63	473102	47.700	ug/L	100
38) Bromodichloromethane	6.75	83	573126	47.288	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	705930	50.130	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1358375	100.940	ug/L	99
42) Toluene	7.63	91	1895714	50.027	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	610080	49.332	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	425511	46.788	ug/L	99
46) Tetrachloroethene	8.22	164	298964	46.303	ug/L	98
48) 2-Hexanone	8.36	43	1167278	106.871	ug/L	99
49) Dibromochloromethane	8.47	129	430274	47.166	ug/L	98
50) 1,2-Dibromoethane	8.58	107	453445	47.115	ug/L	95
51) Chlorobenzene	9.12	112	1136582	47.240	ug/L	99
52) Ethylbenzene	9.24	91	2037071	50.235	ug/L	100
53) m,p-Xylene	9.37	106	758859	51.279	ug/L	98
54) o-xylene	9.77	106	761097	52.088	ug/L	99
55) Styrene	9.79	104	1309535	52.209	ug/L	99
56) Isopropylbenzene	10.16	105	1946359	51.988	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	774664	47.191	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	601954	46.529	ug/L	100
61) Bromoform	9.95	173	309534	45.795	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	822170	49.619	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	840145	47.935	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	854987	48.693	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	161845	47.711	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	608401	51.199	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	505264	55.204	ug/L	99
69) Naphthalene	13.74	128	1954444	64.135	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	559745	56.180	ug/L	99

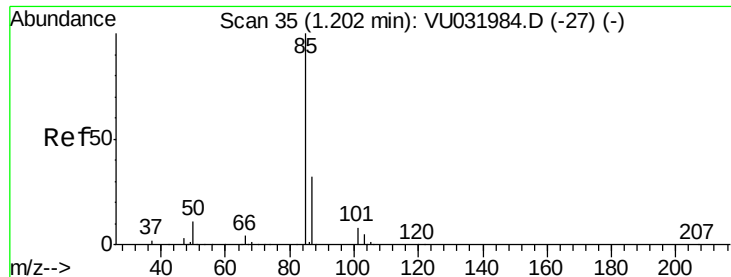
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.230 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

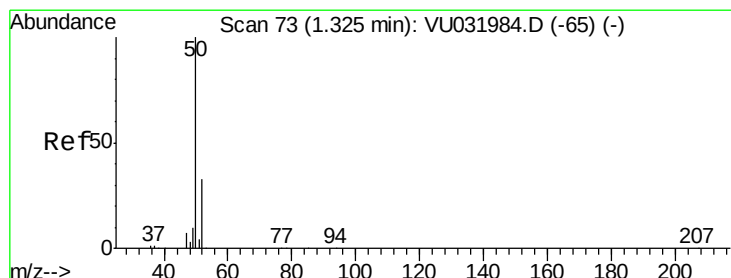
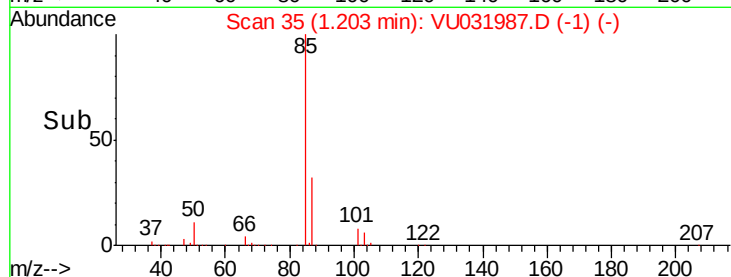
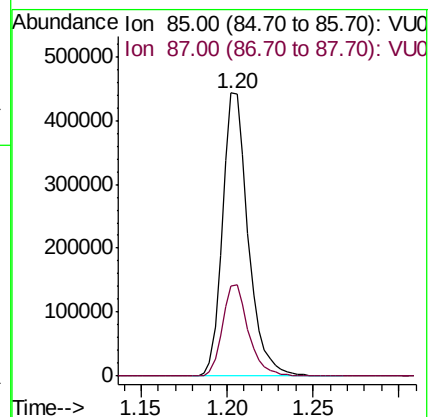
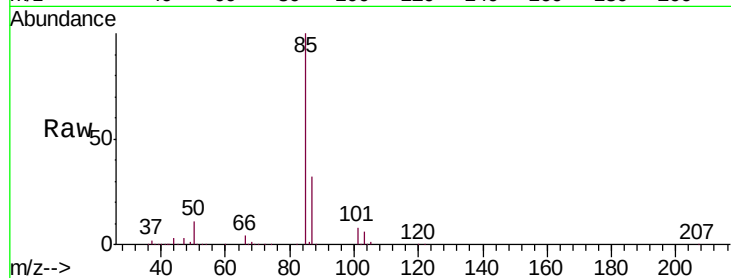
VICV55

Tgt Ion: 85 Resp: 463526

Ion Ratio Lower Upper

85 100

87 32.5 25.4 38.0



#3

Chloromethane

Concen: 45.937 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU031987.D

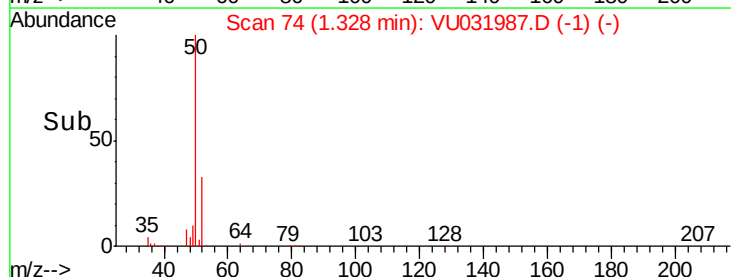
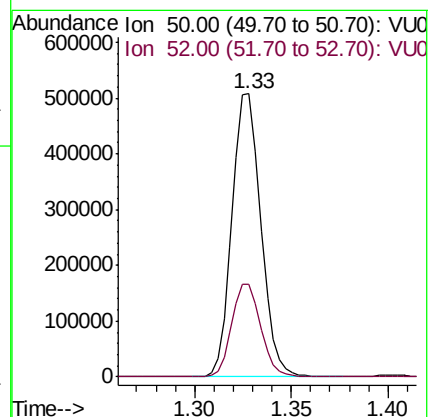
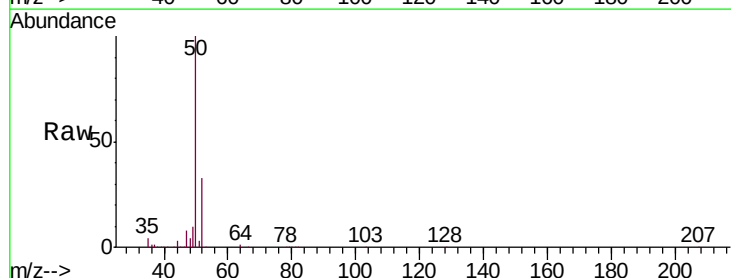
Acq: 14 May 2019 12:18

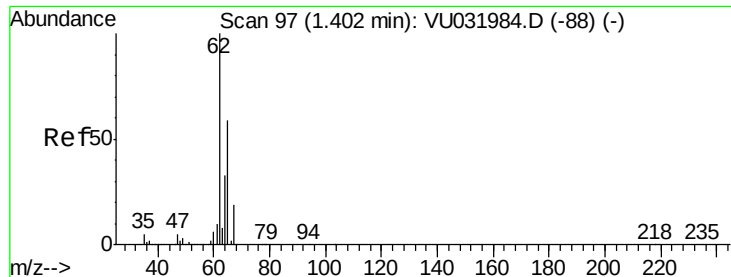
Tgt Ion: 50 Resp: 525764

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.6





#5

Vinyl chloride

Concen: 46.440 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

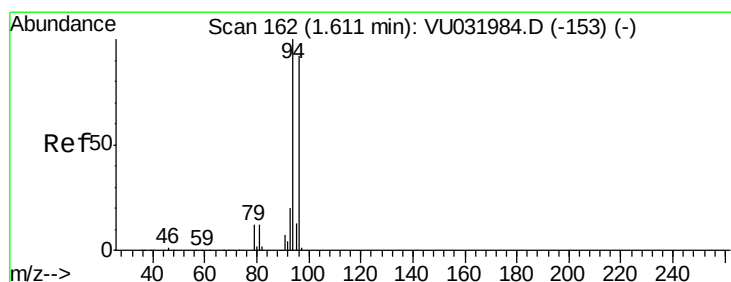
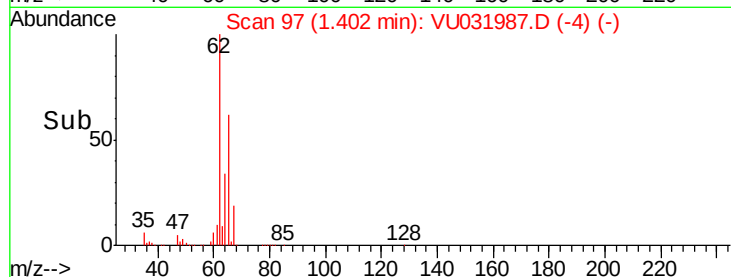
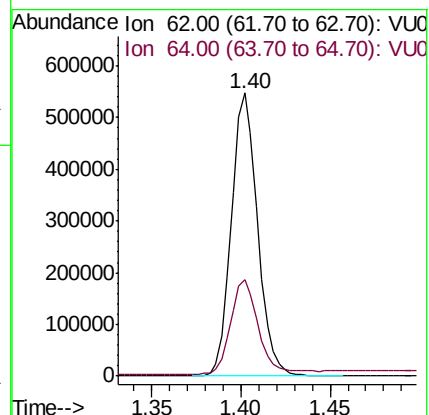
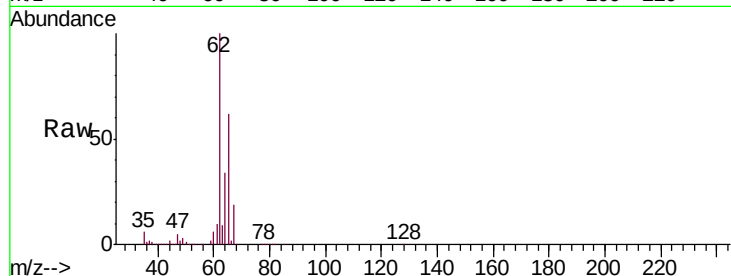
VICV55

Tgt Ion: 62 Resp: 556800

Ion Ratio Lower Upper

62 100

64 34.0 23.6 43.8



#6

Bromomethane

Concen: 50.558 ug/L

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU031987.D

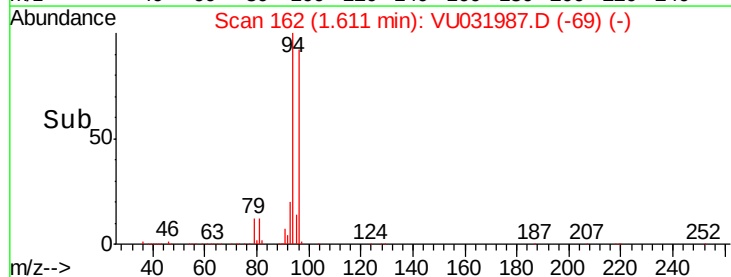
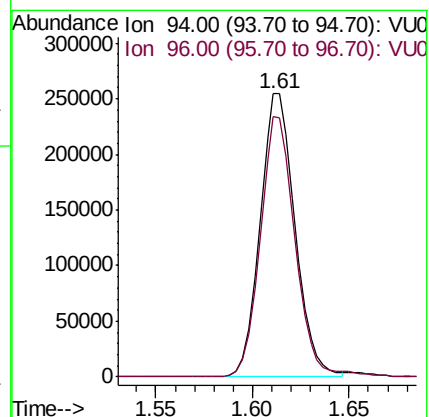
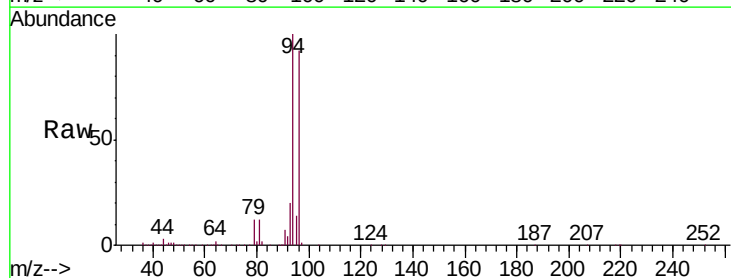
Acq: 14 May 2019 12:18

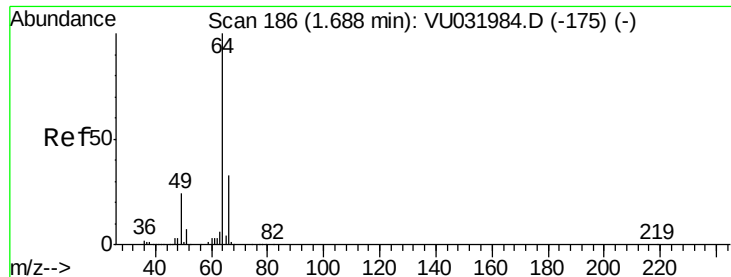
Tgt Ion: 94 Resp: 318603

Ion Ratio Lower Upper

94 100

96 91.8 64.0 118.8

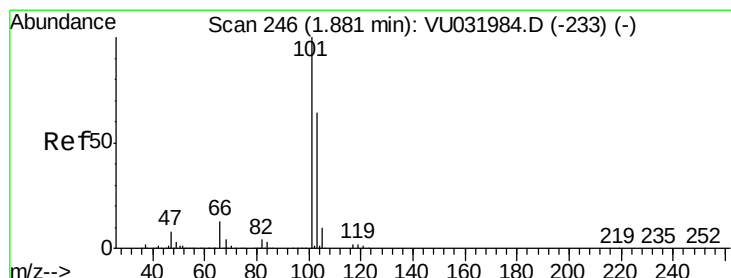
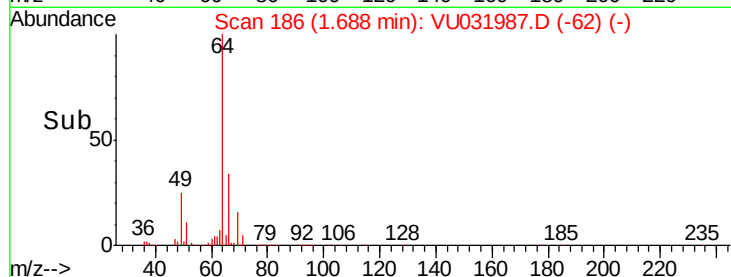
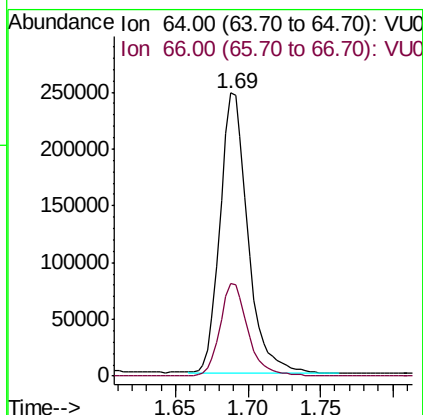
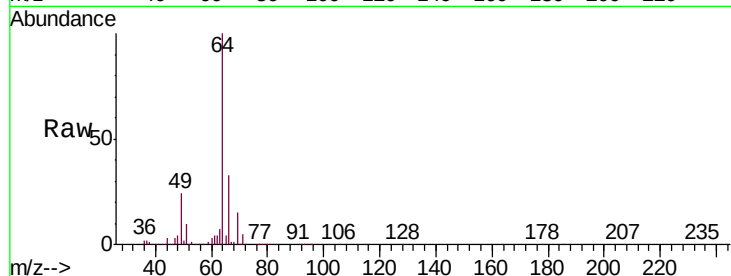




#8
Chloroethane
Concen: 46.457 ug/L
RT: 1.69 min Scan# 186
Delta R.T. 0.00 min
Lab File: VU031987.D
Acq: 14 May 2019 12:18

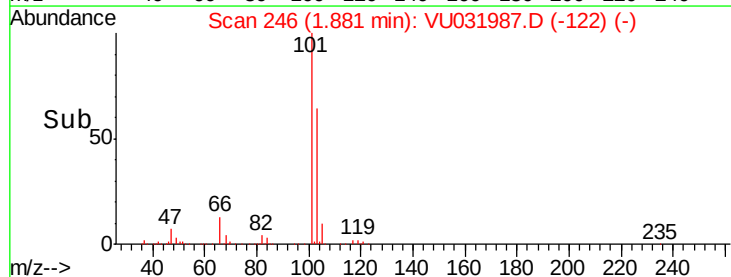
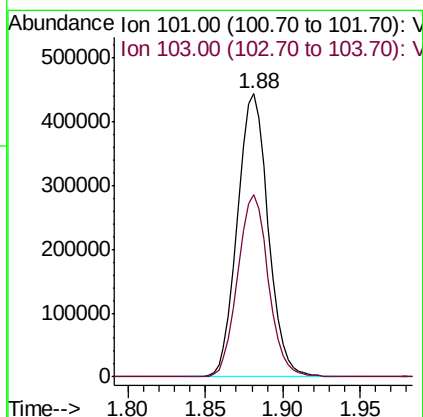
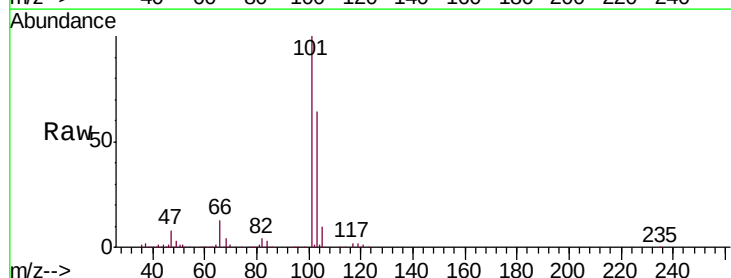
Instrument :
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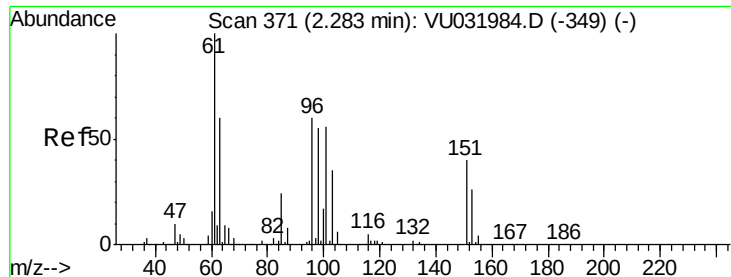
Tgt Ion: 64 Resp: 329570
Ion Ratio Lower Upper
64 100
66 32.6 22.7 42.1



#9
Trichlorofluoromethane
Concen: 45.290 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU031987.D
Acq: 14 May 2019 12:18

Tgt Ion: 101 Resp: 614565
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.2





#10

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

Concen: 45.507 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VICV55

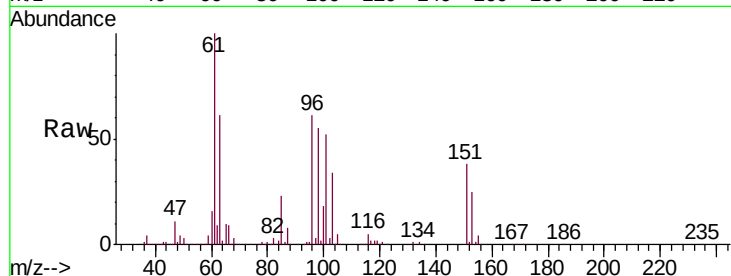
Tgt Ion: 101 Resp: 376970

Ion Ratio Lower Upper

101 100

85 42.8 34.1 51.1

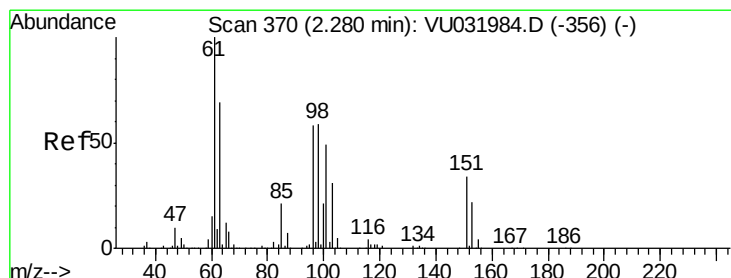
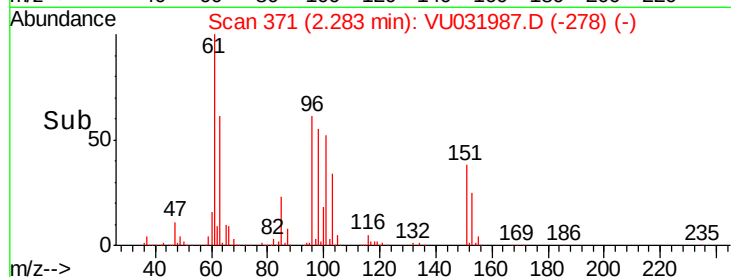
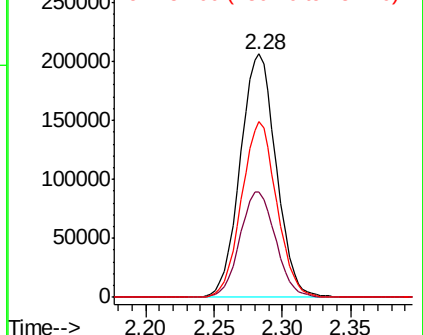
151 70.9 55.8 83.8



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: 47.588 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

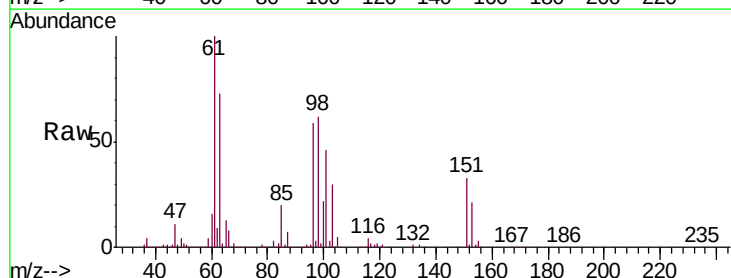
Tgt Ion: 96 Resp: 391221

Ion Ratio Lower Upper

96 100

61 168.5 120.9 224.5

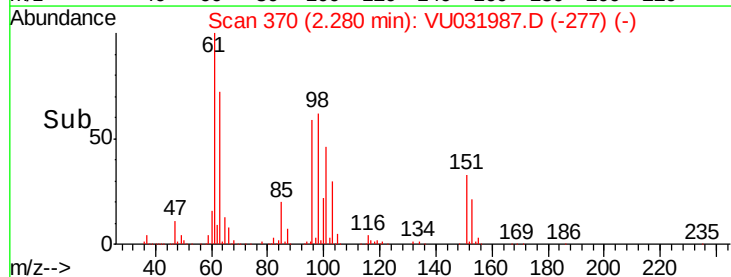
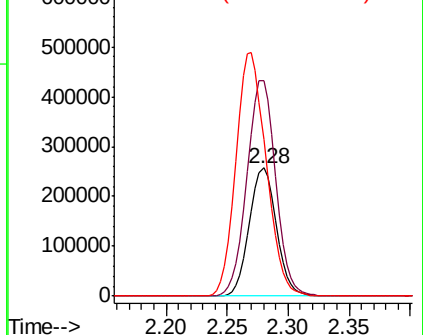
63 122.2 84.4 156.8

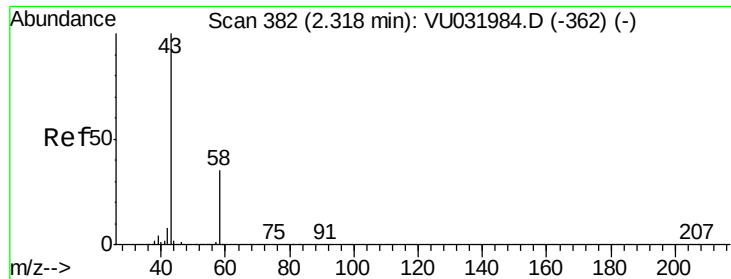


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 94.776 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

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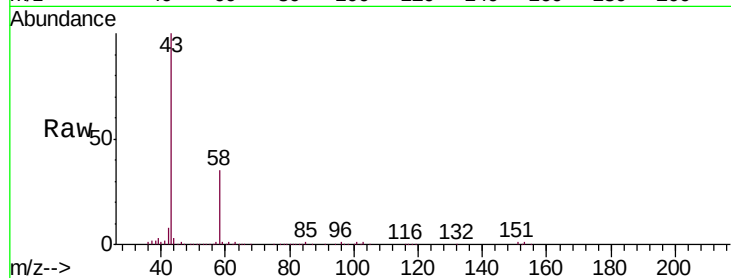
VICV55

Tgt Ion: 43 Resp: 666460

Ion Ratio Lower Upper

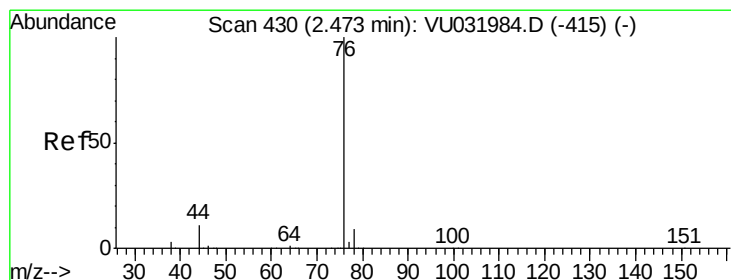
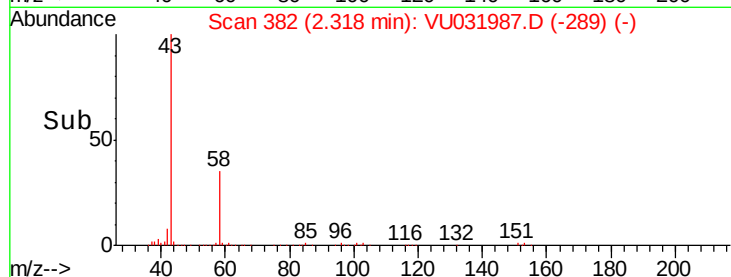
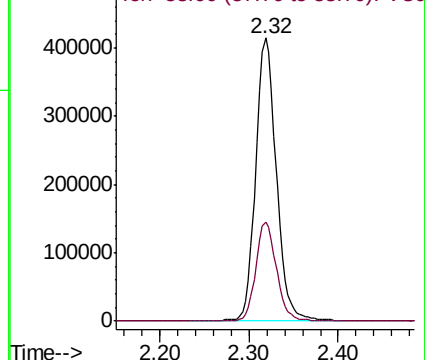
43 100

58 34.8 0.0 68.2



Abundance Ion 43.00 (42.70 to 43.70): VU031987.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU031987.D (-362) (-)



#14

Carbon disulfide

Concen: 46.911 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031987.D

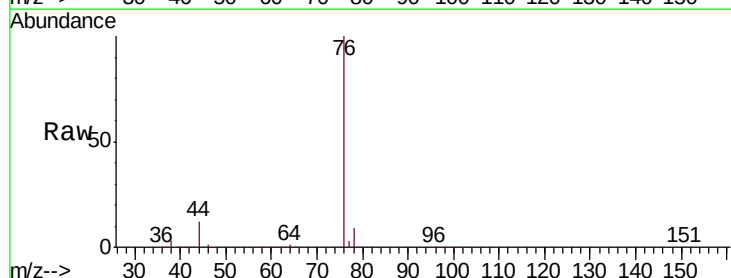
Acq: 14 May 2019 12:18

Tgt Ion: 76 Resp: 1245730

Ion Ratio Lower Upper

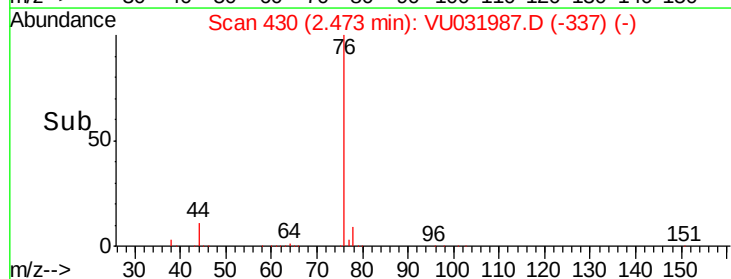
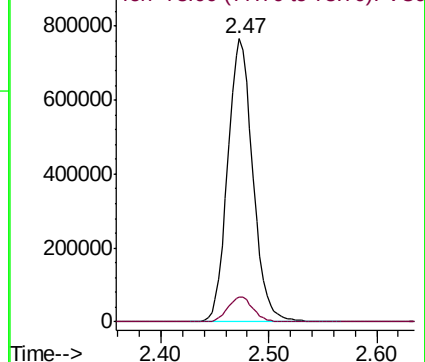
76 100

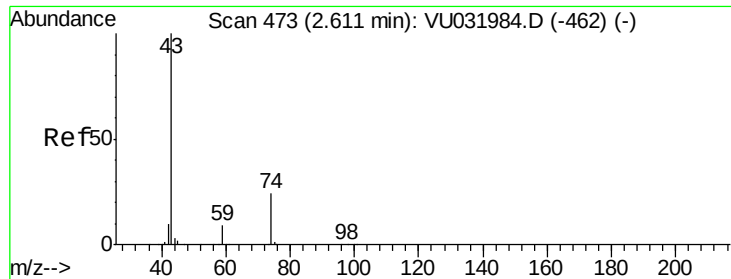
78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU031987.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU031987.D (-415) (-)





#15

Methyl Acetate

Concen: 46.389 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

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MSVOA_U

ClientSampleId :

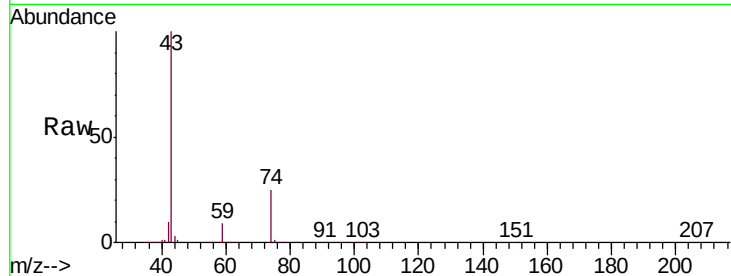
VICV55

Tgt Ion: 43 Resp: 495313

Ion Ratio Lower Upper

43 100

74 24.8 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VU031987.D (-462) (-)

Ion 74.00 (73.70 to 74.70): VU031987.D (-462) (-)

2.61

300000

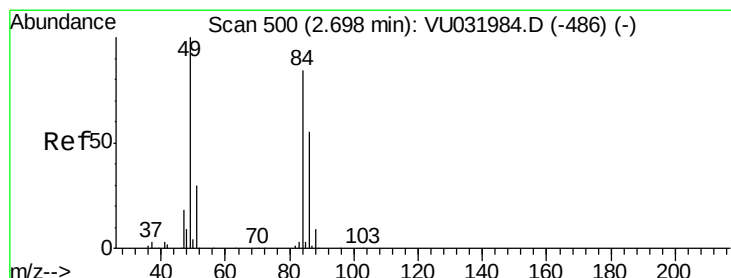
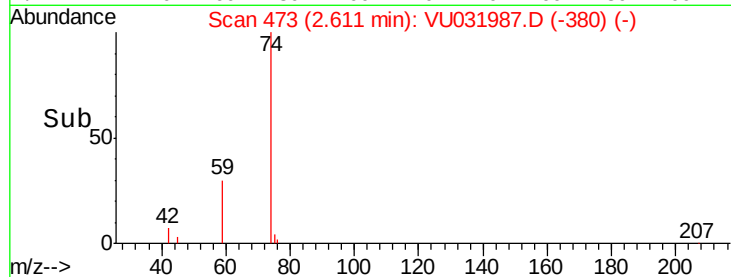
200000

100000

0

2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 45.279 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

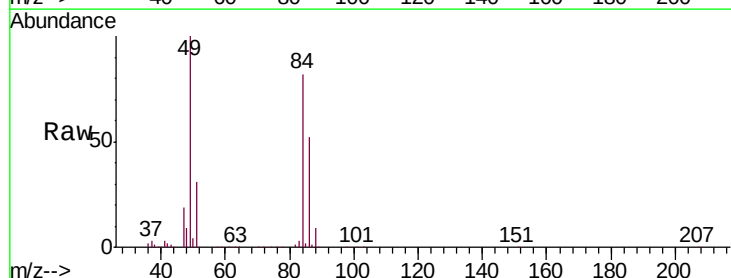
Tgt Ion: 84 Resp: 453953

Ion Ratio Lower Upper

84 100

86 62.9 45.8 85.0

49 121.9 83.3 154.7



Abundance Ion 84.00 (83.70 to 84.70): VU031987.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU031987.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU031987.D (-486) (-)

400000

300000

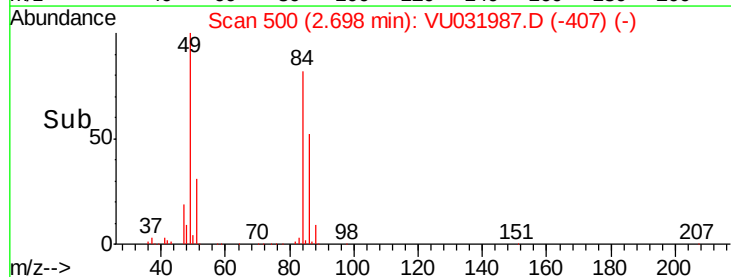
200000

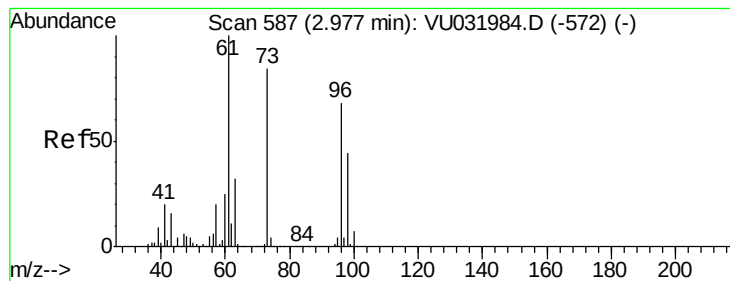
100000

0

2.60 2.70 2.80

Time-->





#17

trans-1,2-Dichloroethene

Concen: 47.516 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VICV55

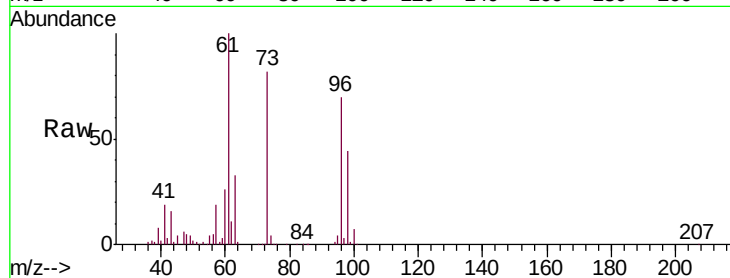
Tgt Ion: 96 Resp: 406371

Ion Ratio Lower Upper

96 100

61 143.2 103.2 191.6

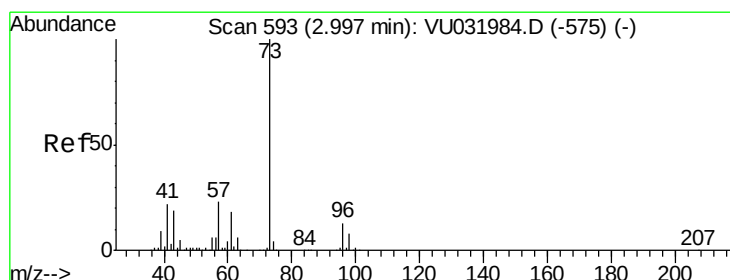
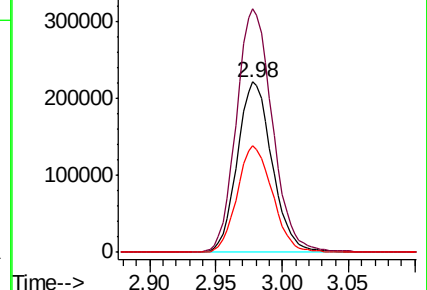
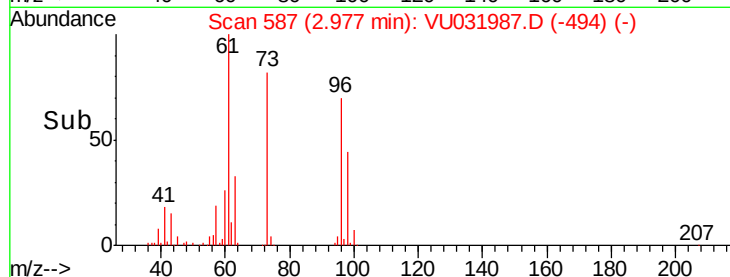
98 62.7 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VU031987.D (-572) (-)

Ion 61.00 (60.70 to 61.70): VU031987.D (-572) (-)

Ion 98.00 (97.70 to 98.70): VU031987.D (-572) (-)



#18

Methyl tert-butyl Ether

Concen: 48.622 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

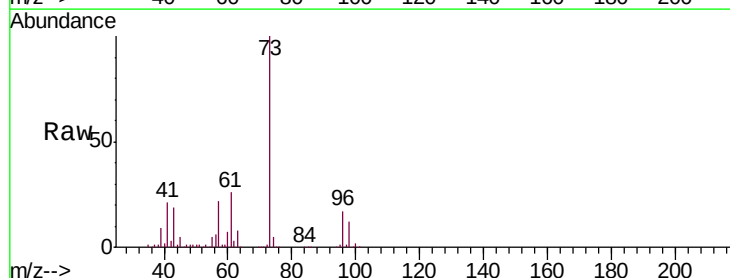
Tgt Ion: 73 Resp: 1277763

Ion Ratio Lower Upper

73 100

43 18.5 15.1 22.7

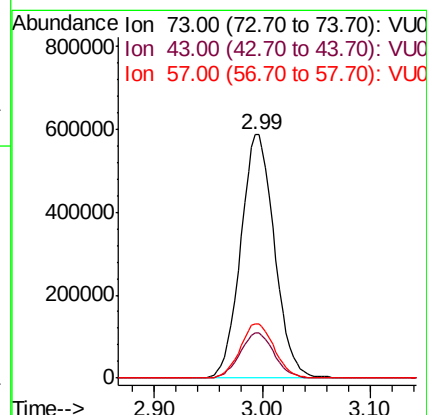
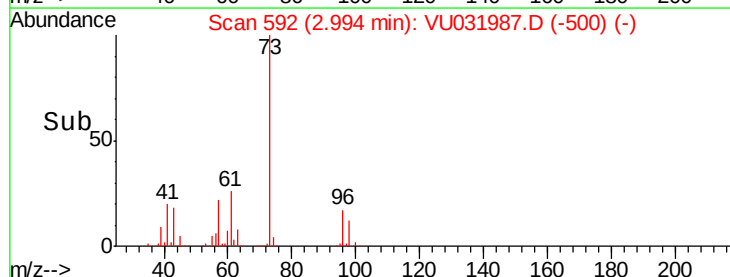
57 22.6 18.2 27.4

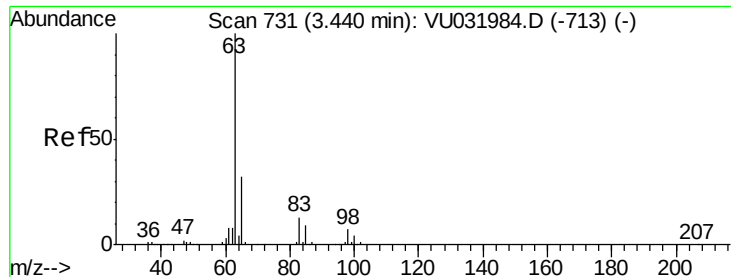


Abundance Ion 73.00 (72.70 to 73.70): VU031987.D (-500) (-)

Ion 43.00 (42.70 to 43.70): VU031987.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU031987.D (-500) (-)

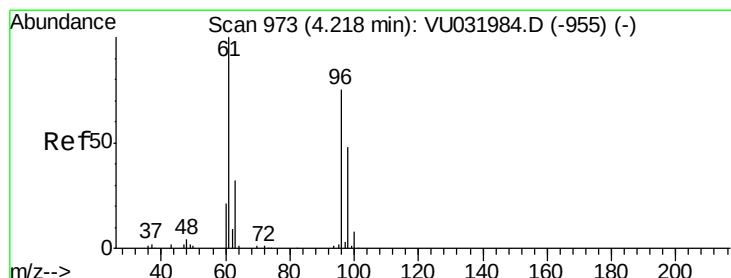
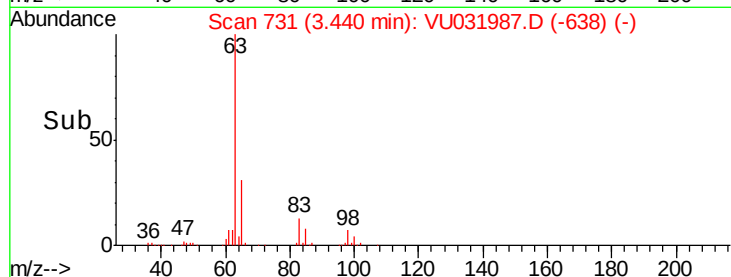
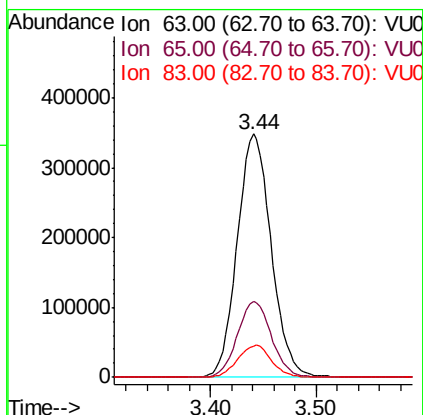
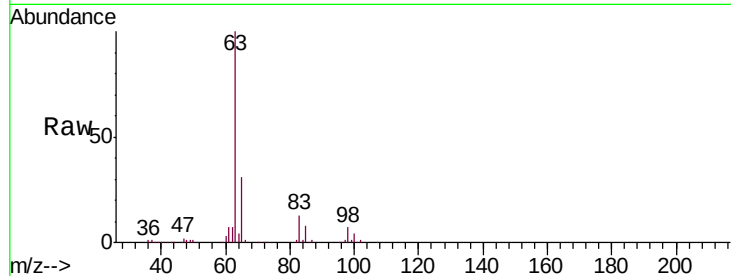




#19
 1,1-Dichloroethane
 Concen: 46.428 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

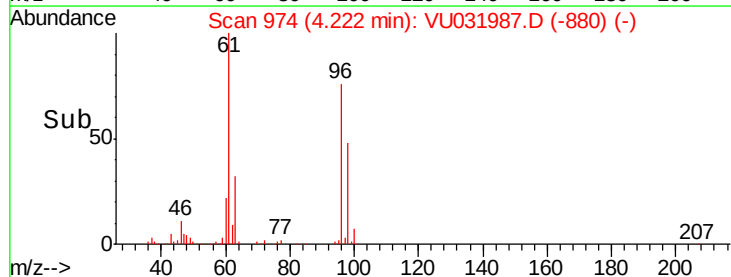
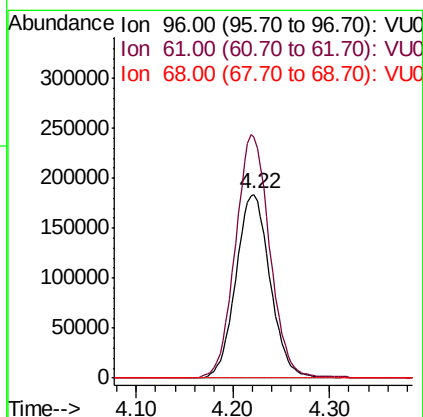
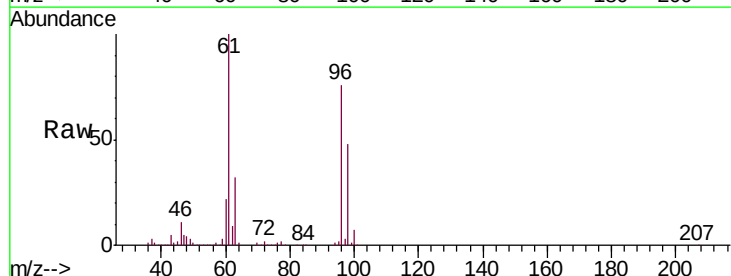
Instrument :
 MSVOA_U
 ClientSampled :
 VICV55

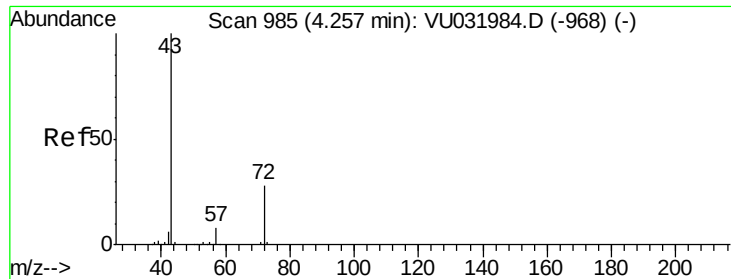
Tgt Ion: 63 Resp: 779701
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.2 41.2
 83 12.9 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 47.895 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

Tgt Ion: 96 Resp: 453076
 Ion Ratio Lower Upper
 96 100
 61 131.2 93.0 172.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.307 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

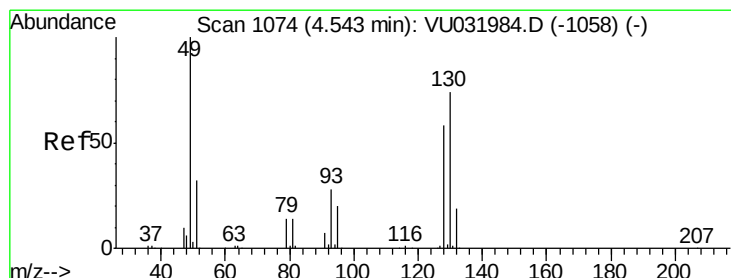
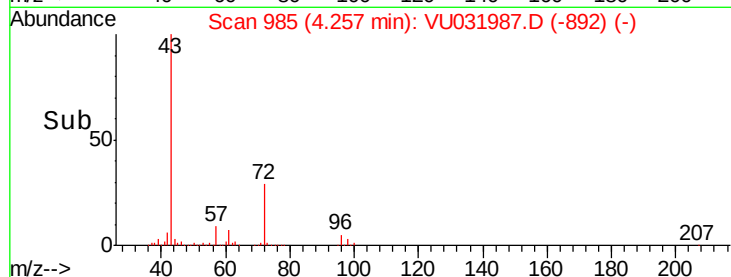
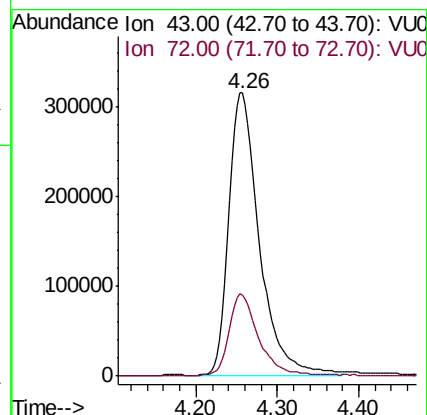
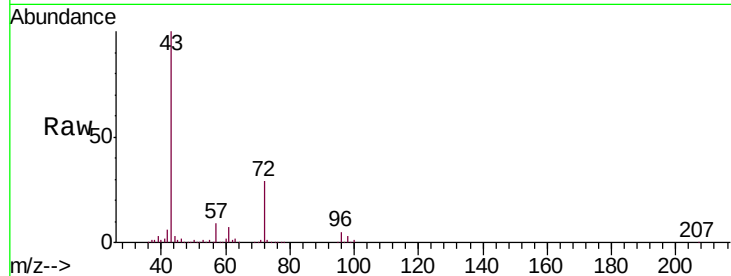
VICV55

Tgt Ion: 43 Resp: 829793

Ion Ratio Lower Upper

43 100

72 28.3 13.9 41.7



#23

Bromochloromethane

Concen: 46.463 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

Tgt Ion: 128 Resp: 215419

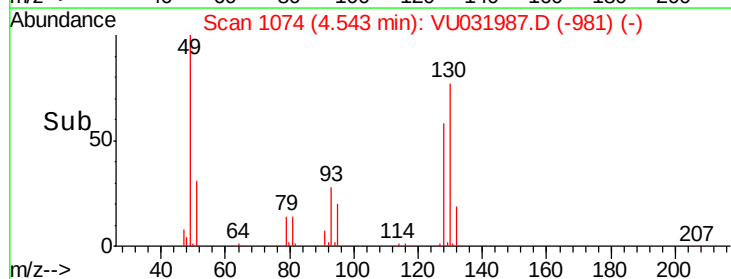
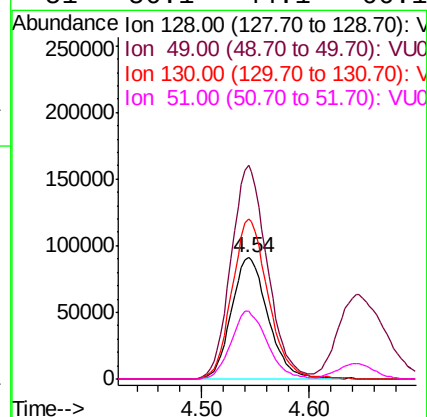
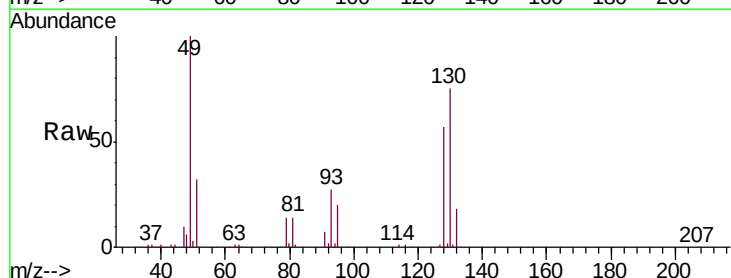
Ion Ratio Lower Upper

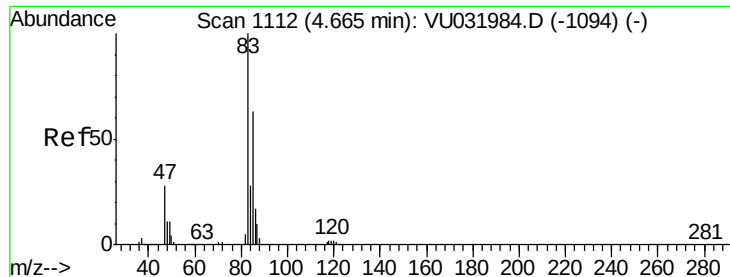
128 100

49 176.0 121.7 226.1

130 132.4 89.5 166.1

51 56.1 44.1 66.1

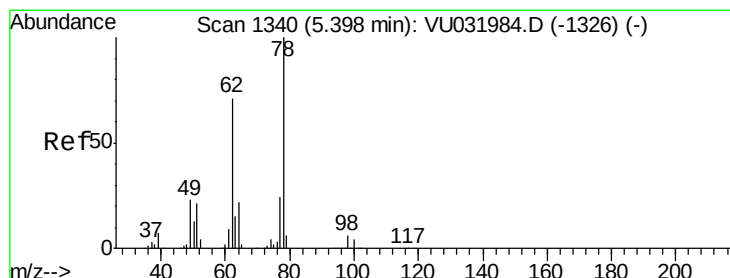
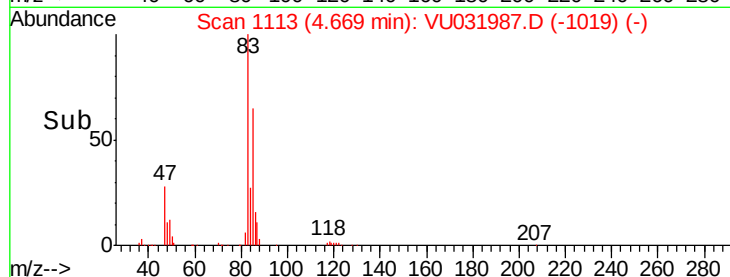
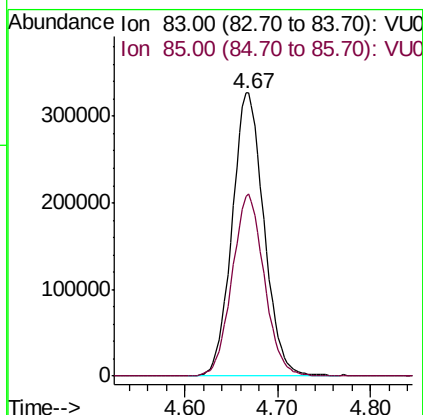
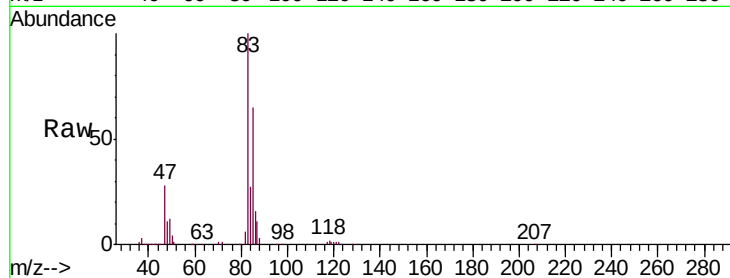




#25
Chloroform
Concen: 46.900 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031987.D
Acq: 14 May 2019 12:18

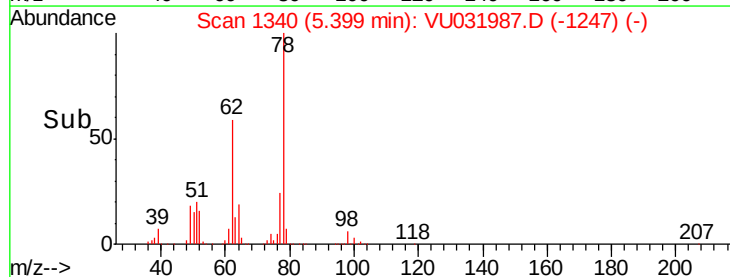
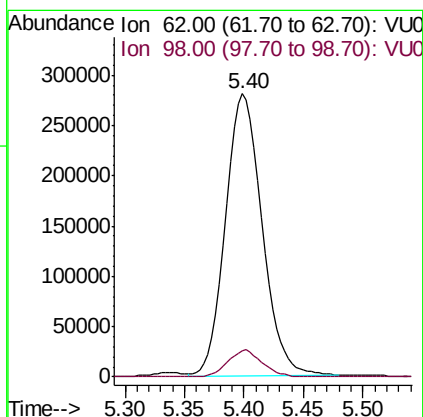
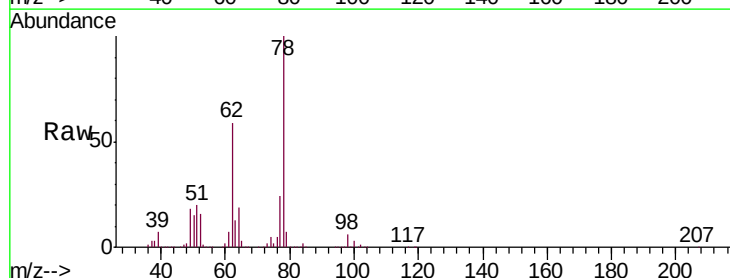
Instrument :
MSVOA_U
ClientSampleId :
VICV55

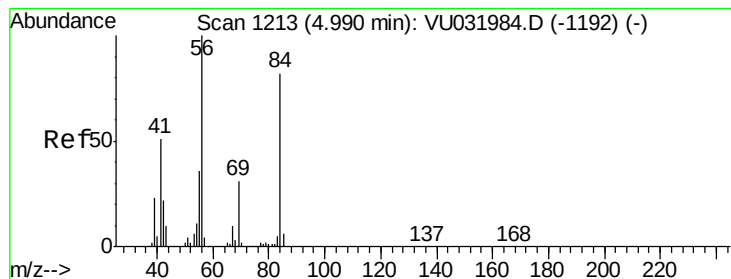
Tgt Ion: 83 Resp: 778397
Ion Ratio Lower Upper
83 100
85 64.6 44.2 82.2



#27
1,2-Dichloroethane
Concen: 46.451 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU031987.D
Acq: 14 May 2019 12:18

Tgt Ion: 62 Resp: 596715
Ion Ratio Lower Upper
62 100
98 9.4 7.2 10.8





#29

Cyclohexane

Concen: 51.319 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VICV55

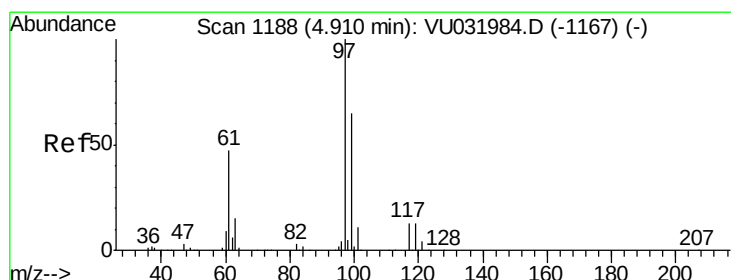
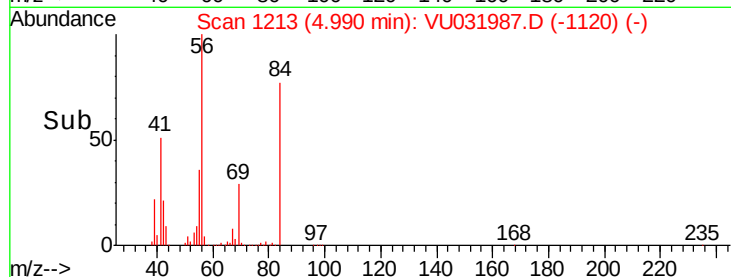
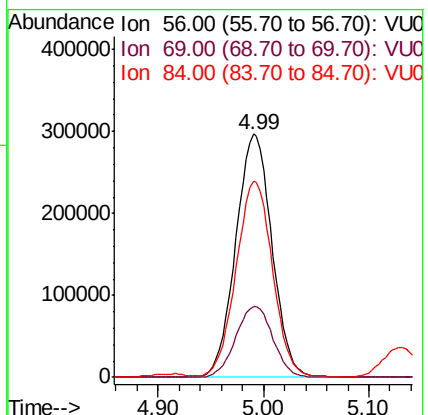
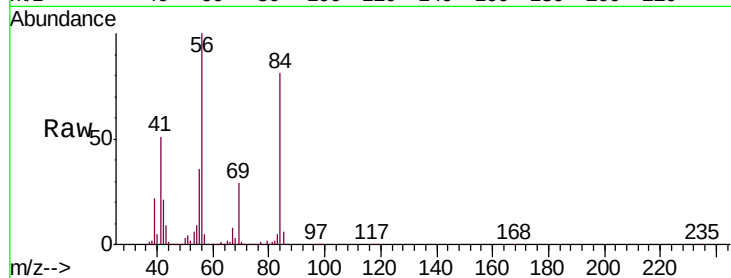
Tgt Ion: 56 Resp: 709161

Ion Ratio Lower Upper

56 100

69 30.0 24.8 37.2

84 80.7 65.5 98.3



#30

1,1,1-Trichloroethane

Concen: 47.006 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

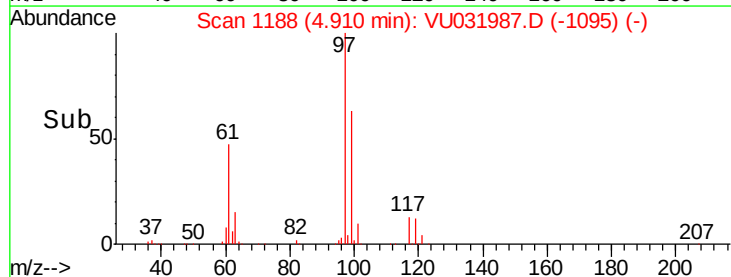
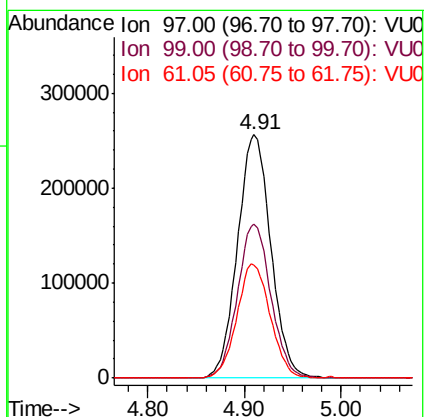
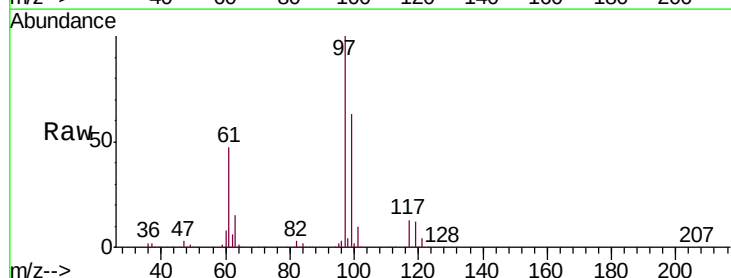
Tgt Ion: 97 Resp: 614465

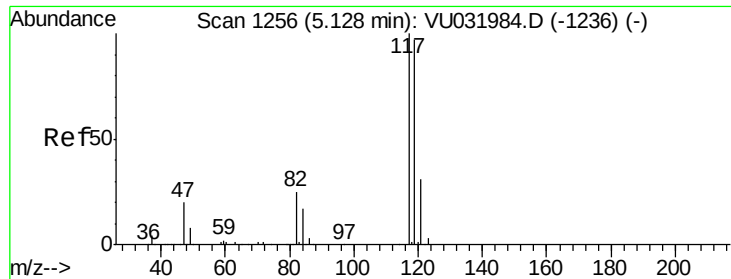
Ion Ratio Lower Upper

97 100

99 63.4 51.8 77.8

61 46.7 37.5 56.3

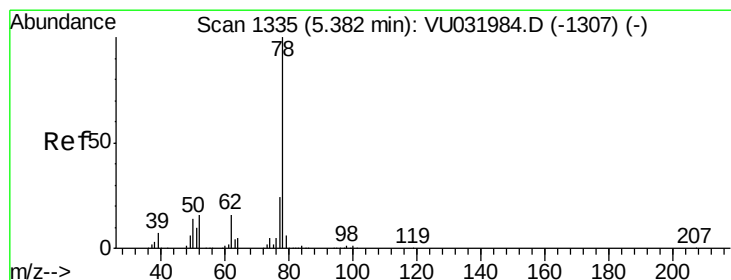
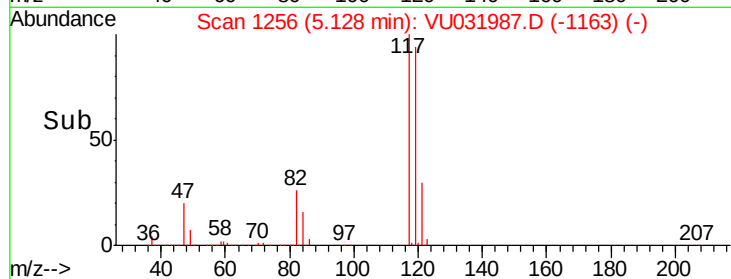
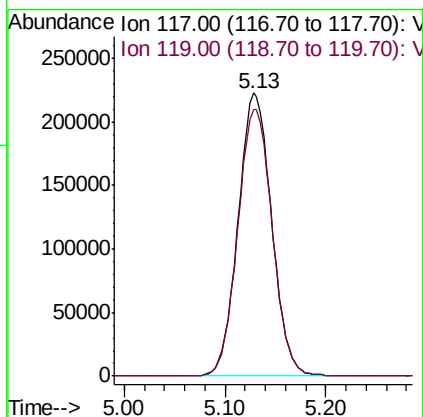
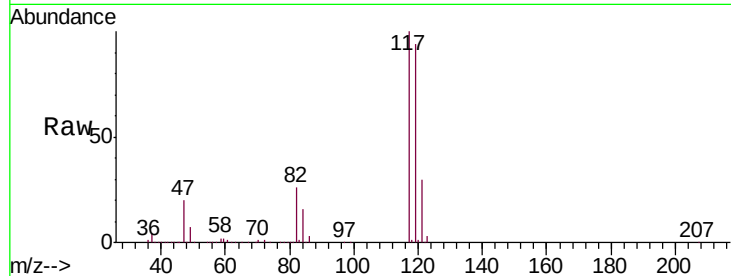




#31
Carbon tetrachloride
Concen: 47.020 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU031987.D
Acq: 14 May 2019 12:18

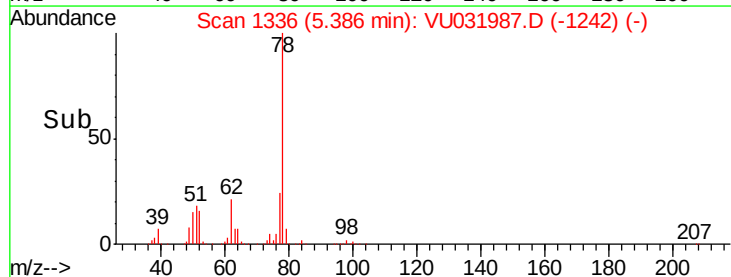
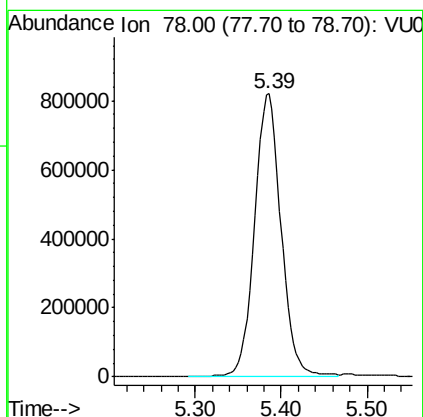
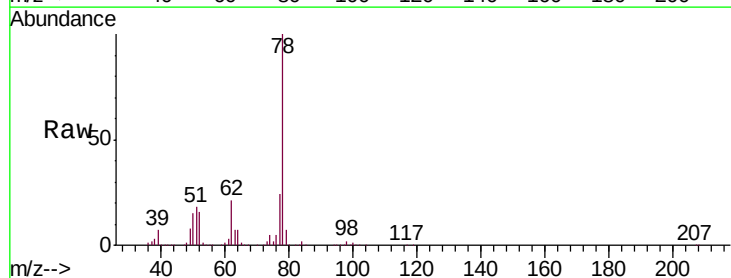
Instrument :
MSVOA_U
ClientSampleId :
VICV55

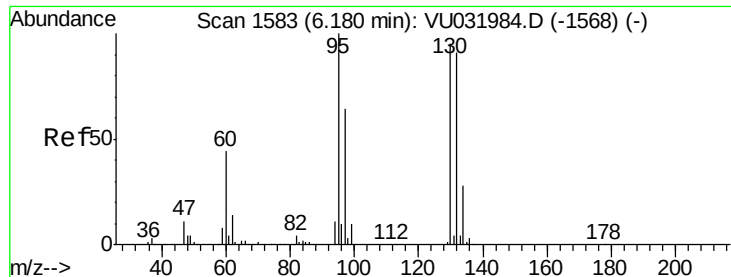
Tgt Ion:117 Resp: 512775
Ion Ratio Lower Upper
117 100
119 96.7 77.2 115.8



#33
Benzene
Concen: 47.919 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU031987.D
Acq: 14 May 2019 12:18

Tgt Ion: 78 Resp: 1769541





#34

Trichloroethene

Concen: 47.496 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VICV55

Tgt Ion: 95 Resp: 434354

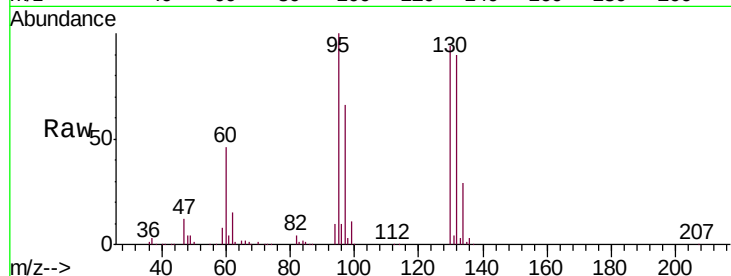
Ion Ratio Lower Upper

95 100

97 65.8 44.9 83.3

132 90.4 63.5 117.9

130 93.7 66.2 123.0

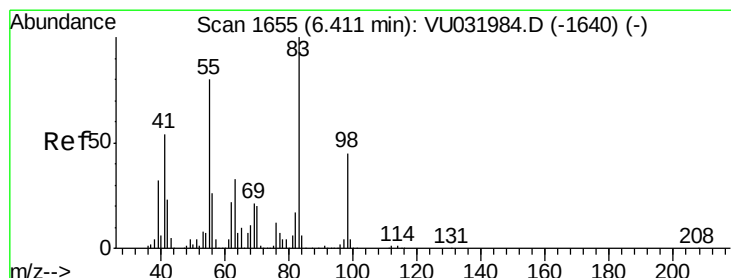
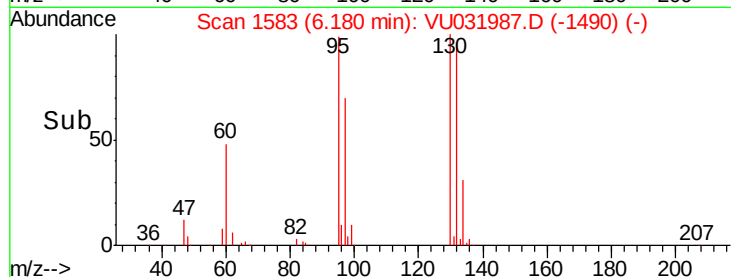
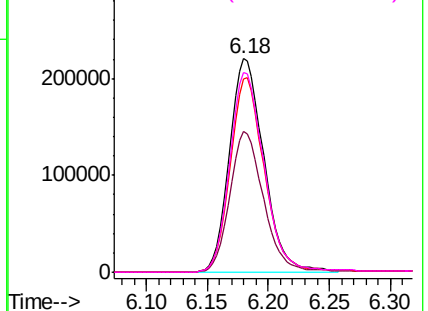


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.136 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

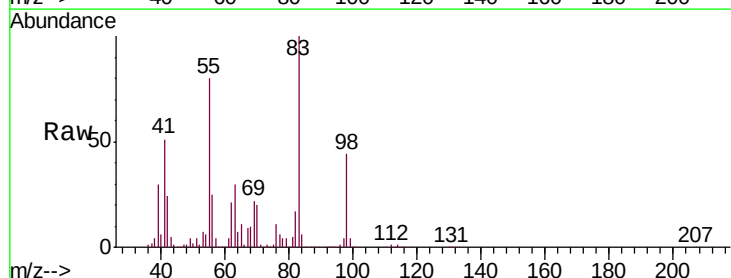
Tgt Ion: 83 Resp: 689035

Ion Ratio Lower Upper

83 100

55 81.5 64.0 96.0

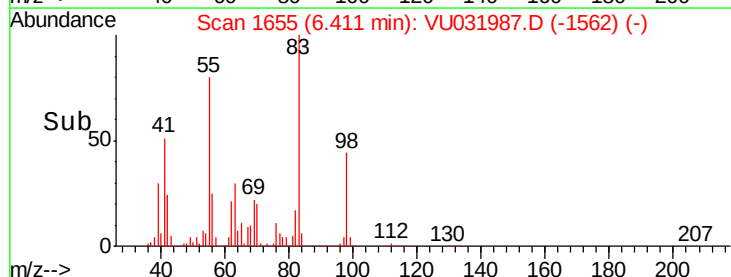
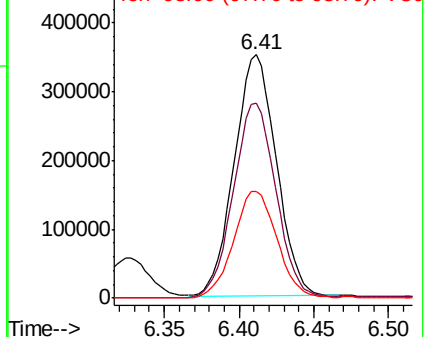
98 45.3 35.6 53.4

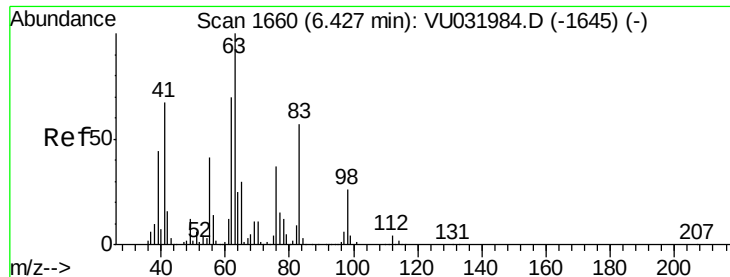


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

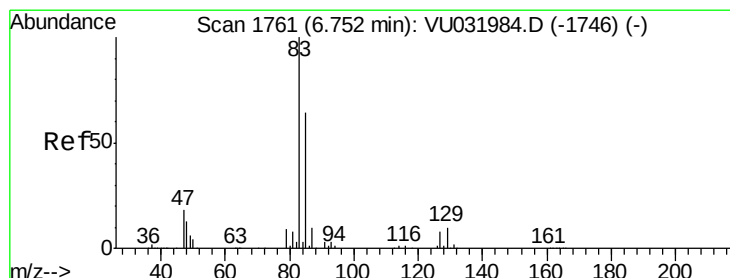
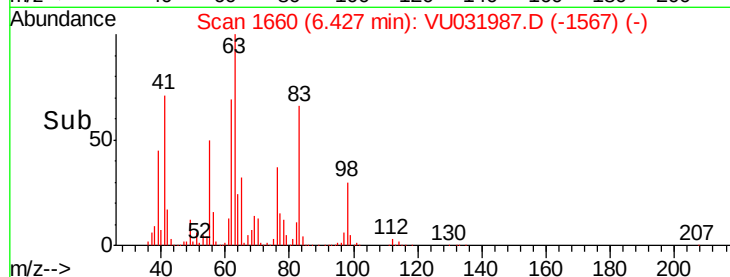
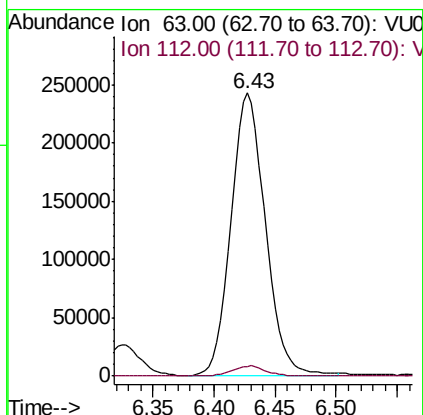
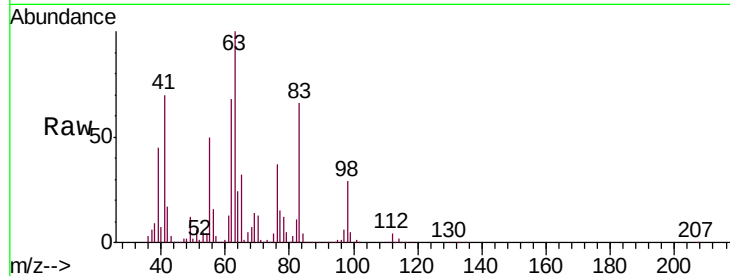




#37
 1,2-Dichloropropane
 Concen: 47.700 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

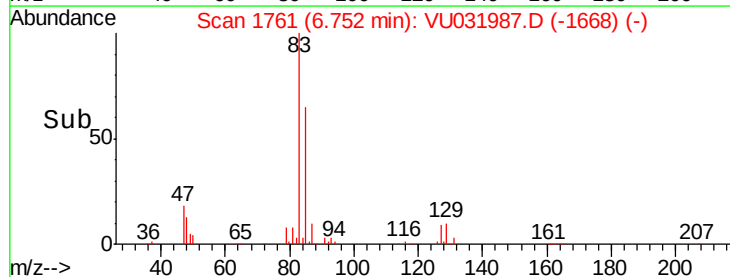
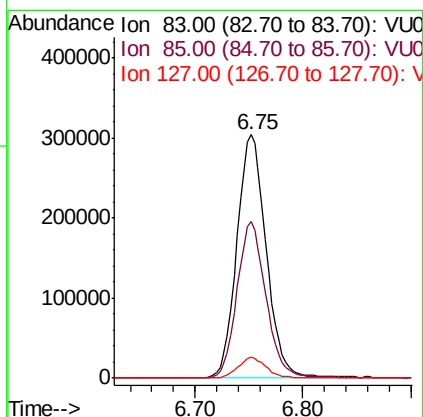
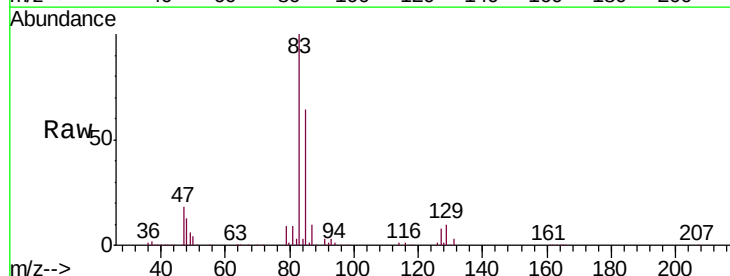
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV55

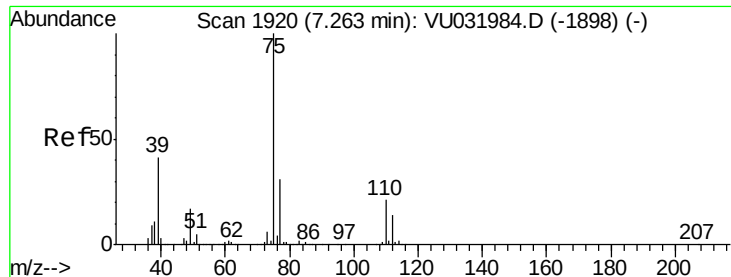
Tgt Ion: 63 Resp: 473102
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.4



#38
 Bromodichloromethane
 Concen: 47.288 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

Tgt Ion: 83 Resp: 573126
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.7 82.9
 127 8.4 6.5 9.7



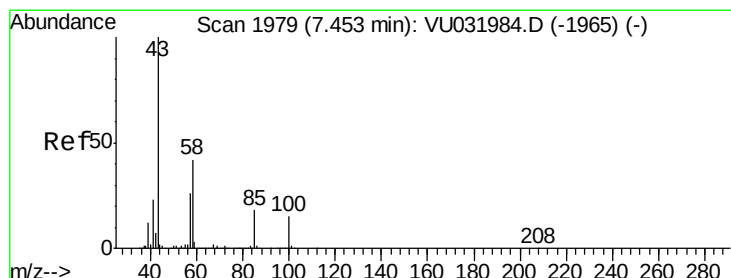
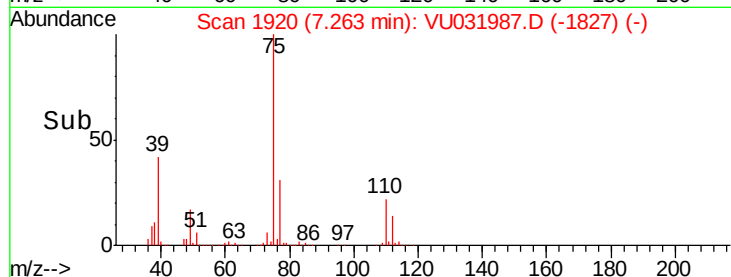
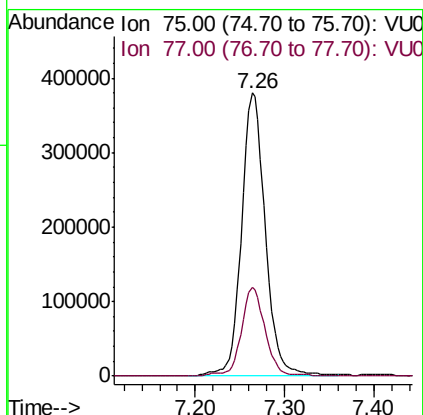
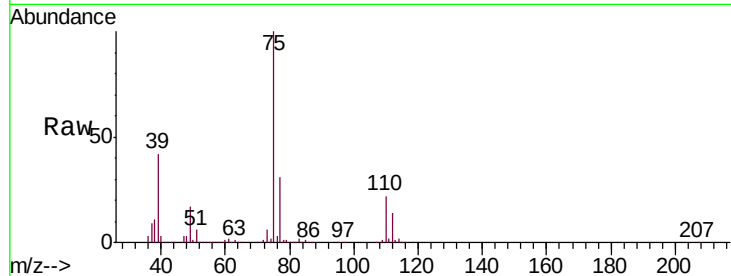


#39

cis-1,3-Dichloropropene
 Concen: 50.130 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV55

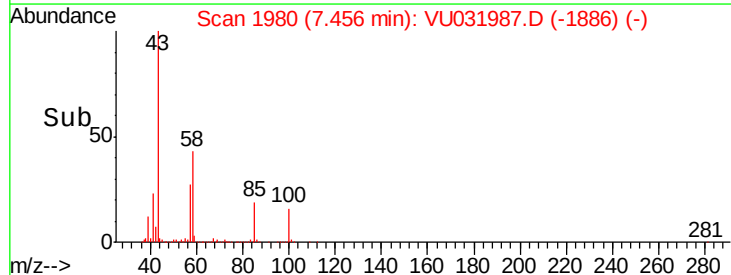
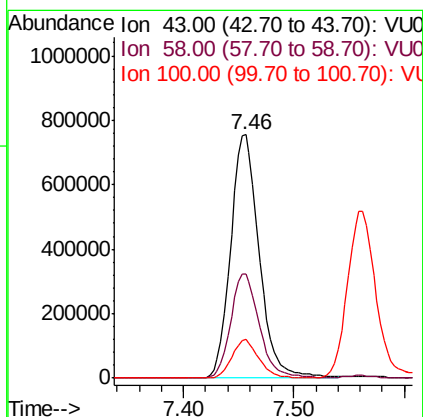
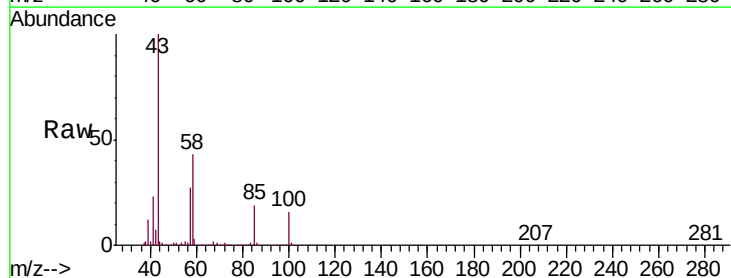
Tgt Ion: 75 Resp: 705930
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.8 40.6

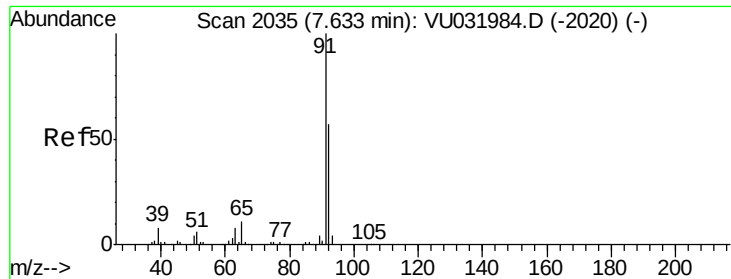


#40

4-Methyl-2-pentanone
 Concen: 100.940 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

Tgt Ion: 43 Resp: 1358375
 Ion Ratio Lower Upper
 43 100
 58 42.7 33.6 50.4
 100 15.0 11.8 17.8





#42

Toluene

Concen: 50.027 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

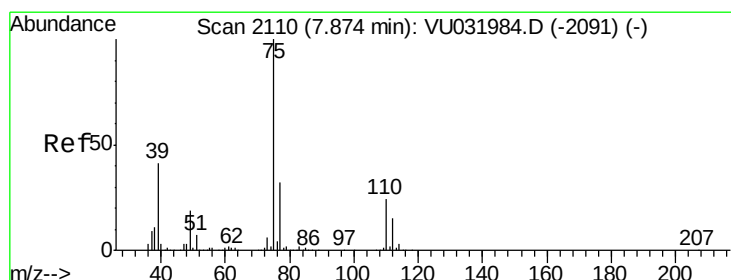
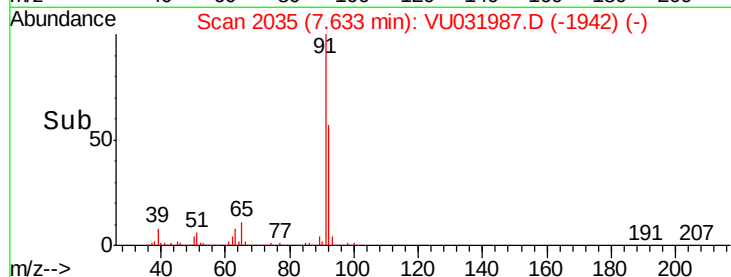
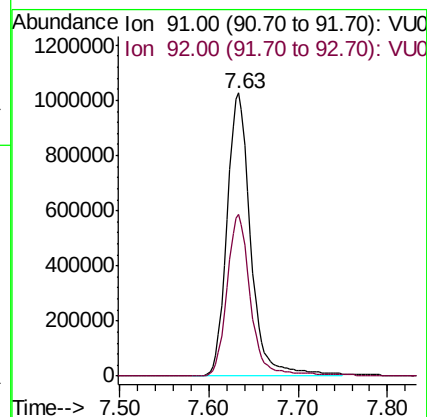
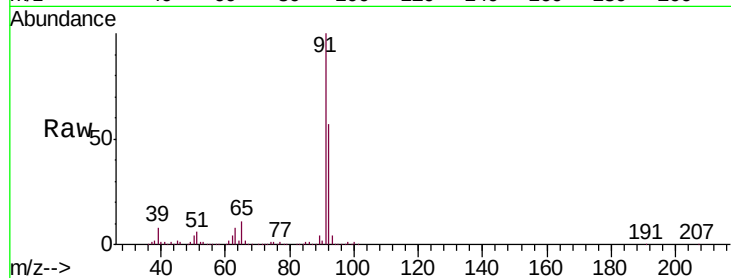
VICV55

Tgt Ion: 91 Resp: 1895714

Ion Ratio Lower Upper

91 100

92 57.2 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 49.332 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU031987.D

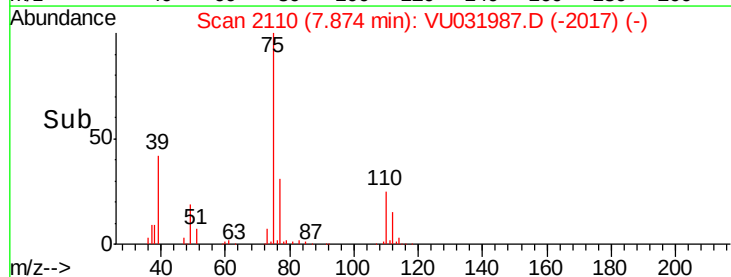
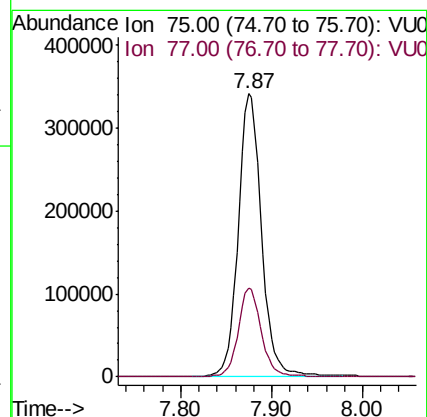
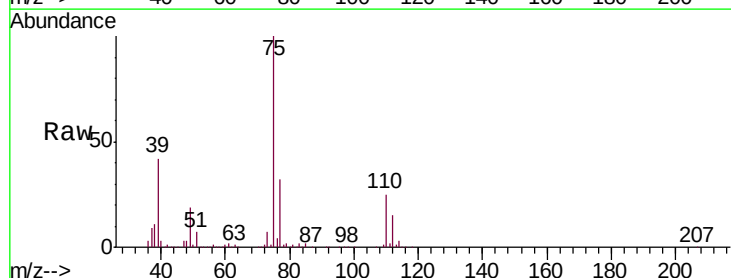
Acq: 14 May 2019 12:18

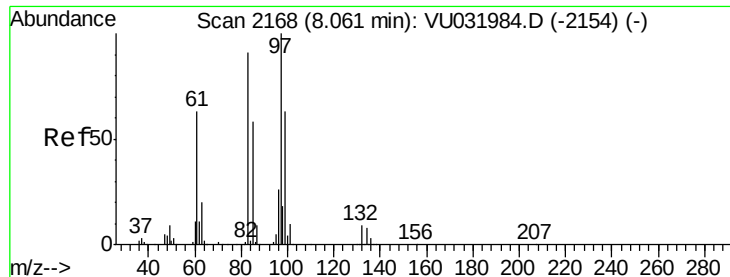
Tgt Ion: 75 Resp: 610080

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7

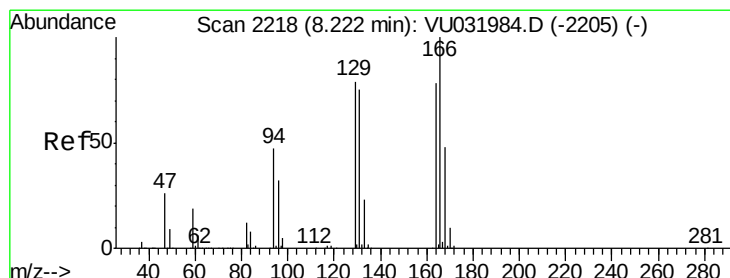
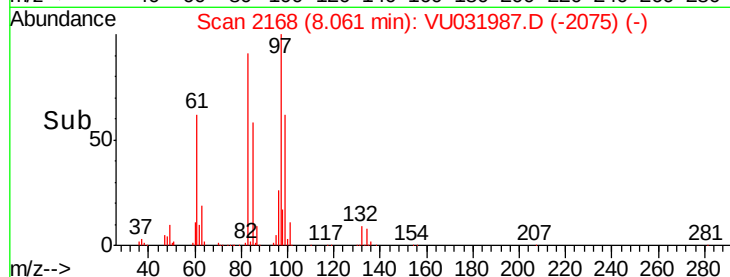
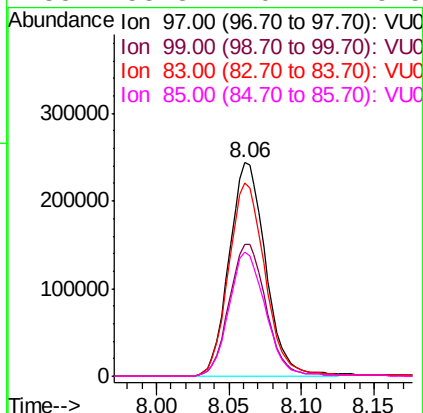
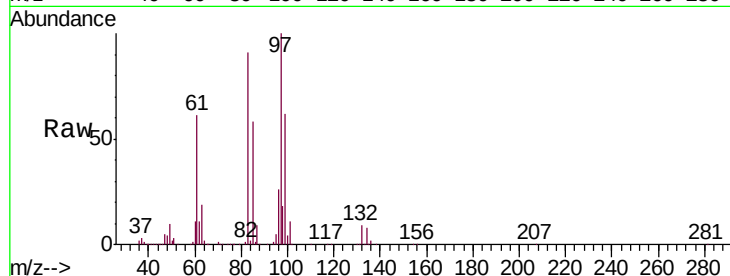




#45
 1,1,2-Trichloroethane
 Concen: 46.788 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

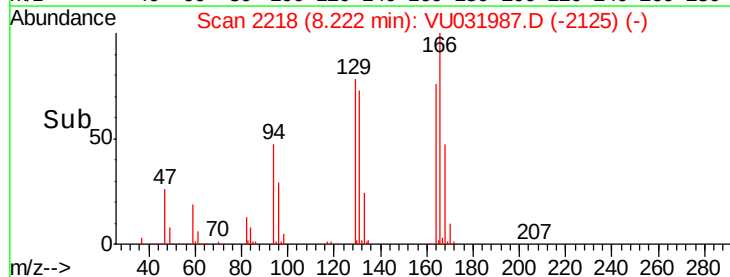
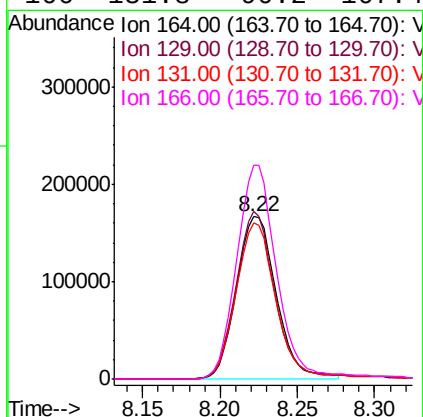
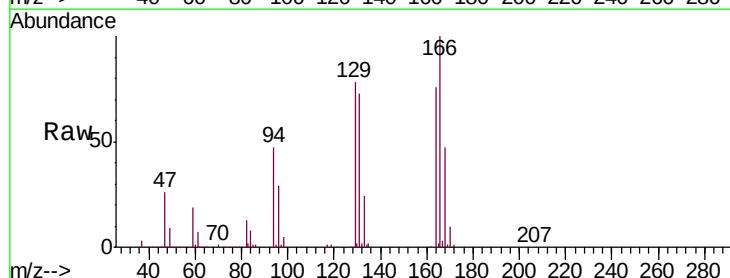
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV55

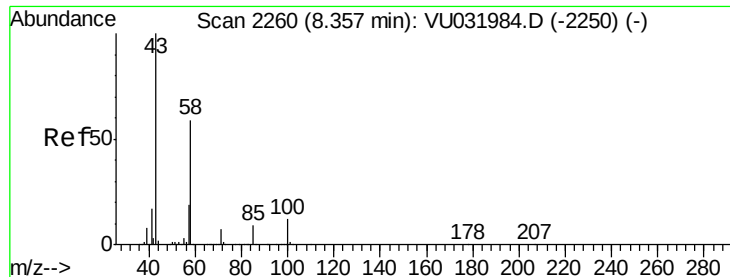
Tgt Ion:	97	Resp:	425511
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.4	82.4
83	90.7	63.8	118.4
85	58.3	40.7	75.5



#46
 Tetrachloroethene
 Concen: 46.303 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

Tgt Ion:	164	Resp:	298964
Ion	Ratio	Lower	Upper
164	100		
129	103.2	70.9	131.7
131	96.4	67.4	125.2
166	131.8	90.2	167.4

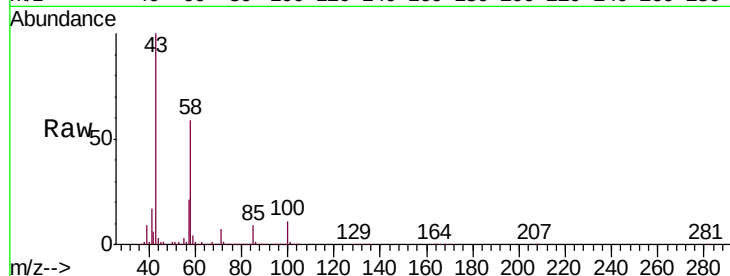




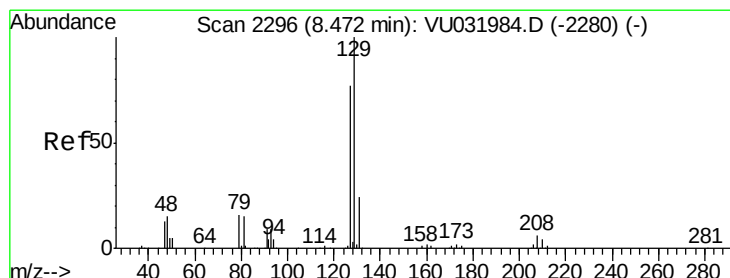
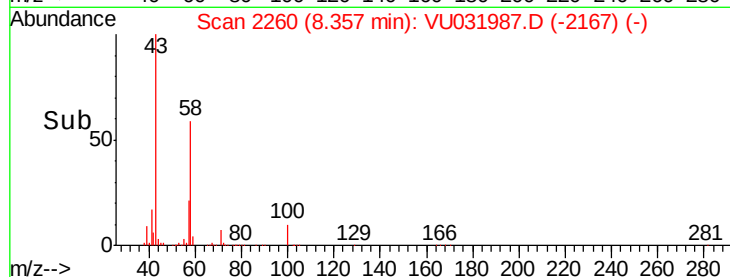
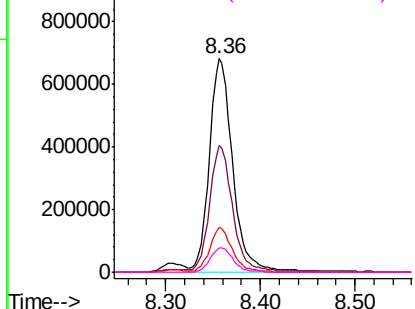
#48
2-Hexanone
Concen: 106.871 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU031987.D
Acq: 14 May 2019 12:18

Instrument :
MSVOA_U
ClientSampleId :
VICV55

Tgt Ion: 43 Resp: 1167278
Ion Ratio Lower Upper
43 100
58 58.5 47.8 71.6
57 19.9 16.0 24.0
100 11.4 9.6 14.4

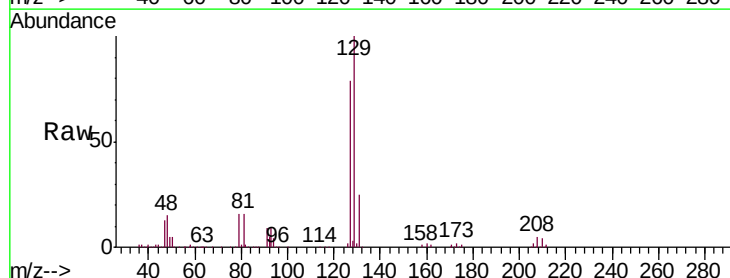


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

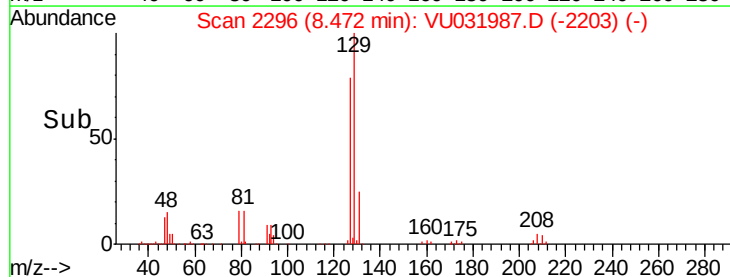
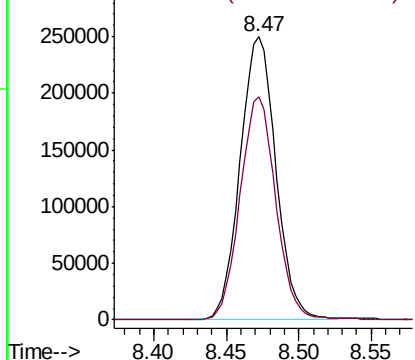


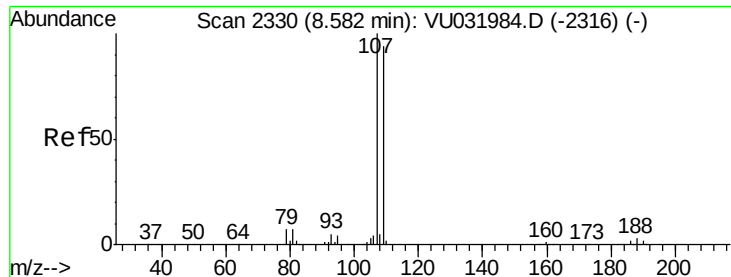
#49
Dibromochloromethane
Concen: 47.166 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031987.D
Acq: 14 May 2019 12:18

Tgt Ion: 129 Resp: 430274
Ion Ratio Lower Upper
129 100
127 78.8 53.8 99.8



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

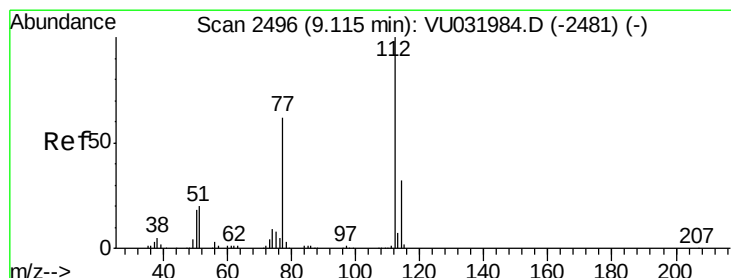
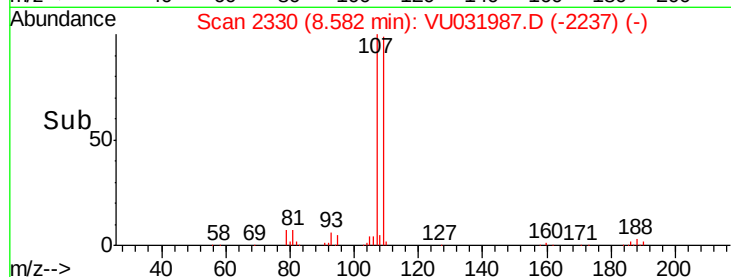
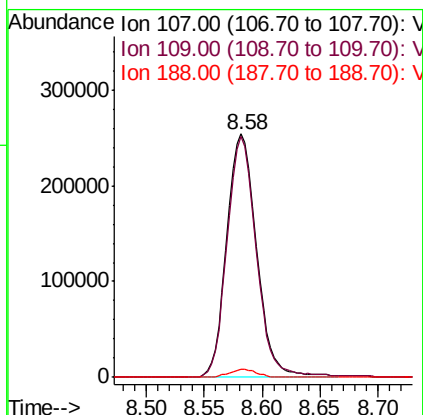
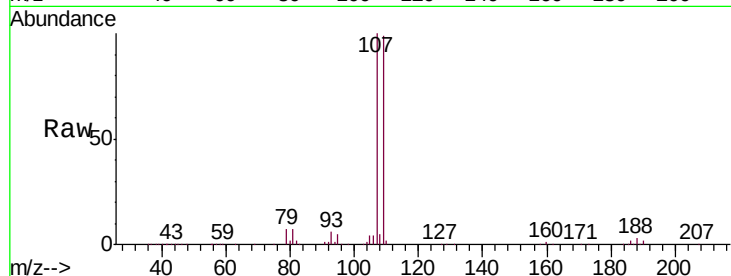




#50
1,2-Dibromoethane
Concen: 47.115 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU031987.D
Acq: 14 May 2019 12:18

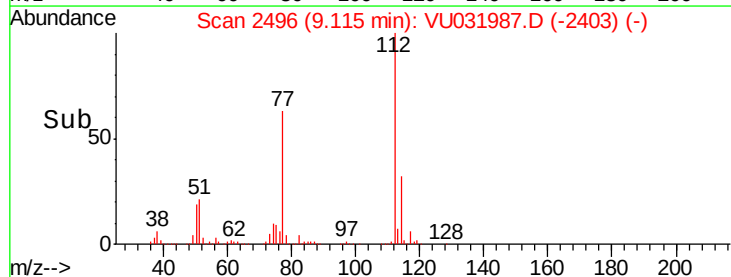
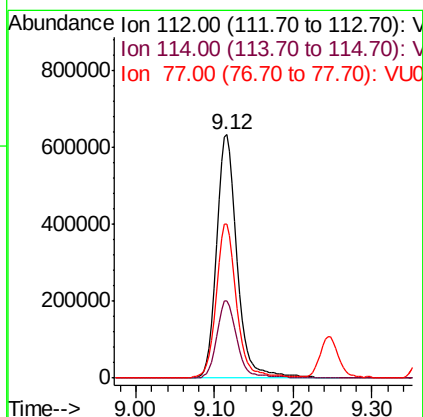
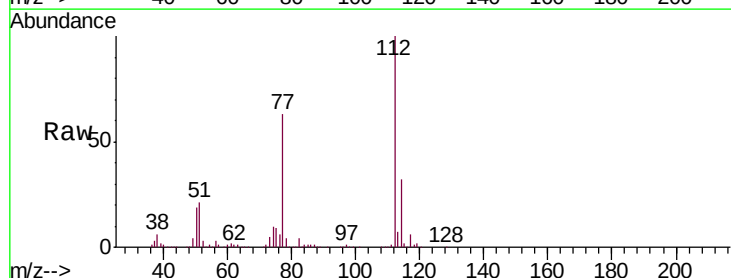
Instrument :
MSVOA_U
ClientSampleId :
VICV55

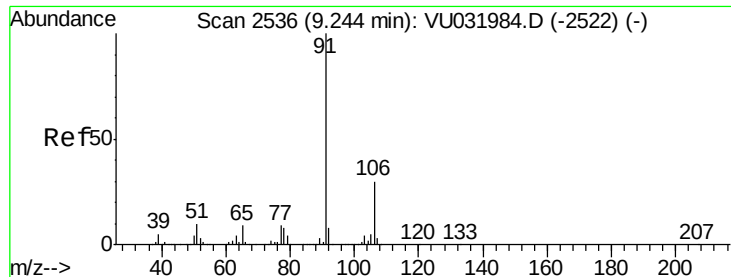
Tgt Ion:107 Resp: 453445
Ion Ratio Lower Upper
107 100
109 98.8 66.0 122.6
188 3.1 2.7 4.1



#51
Chlorobenzene
Concen: 47.240 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031987.D
Acq: 14 May 2019 12:18

Tgt Ion:112 Resp: 1136582
Ion Ratio Lower Upper
112 100
114 31.9 22.1 41.1
77 63.4 49.5 74.3





#52

Ethylbenzene

Concen: 50.235 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

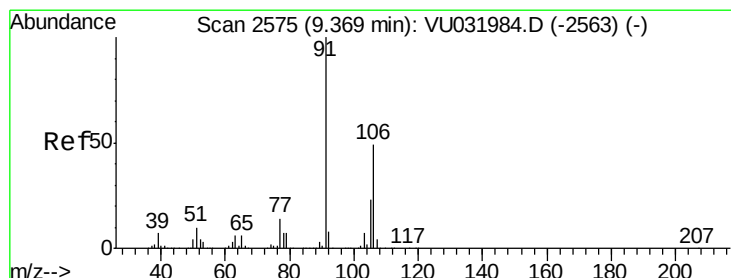
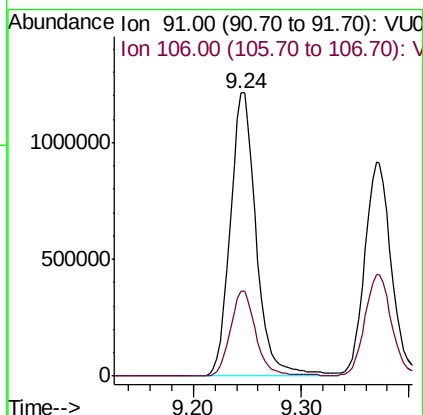
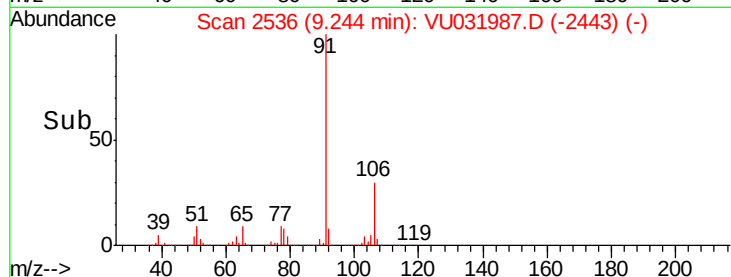
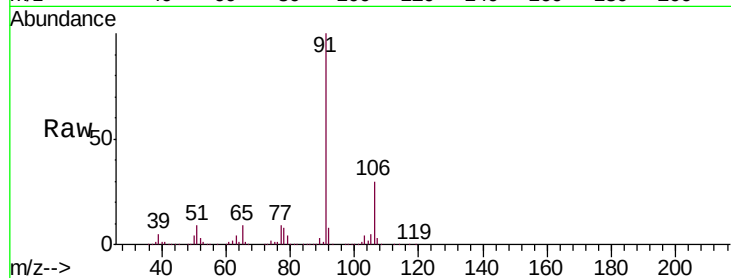
VICV55

Tgt Ion: 91 Resp: 2037071

Ion Ratio Lower Upper

91 100

106 30.2 21.3 39.5



#53

m,p-Xylene

Concen: 51.279 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031987.D

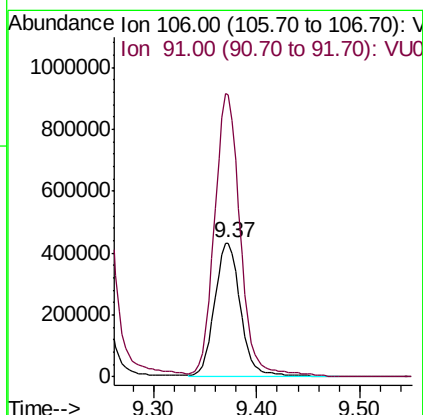
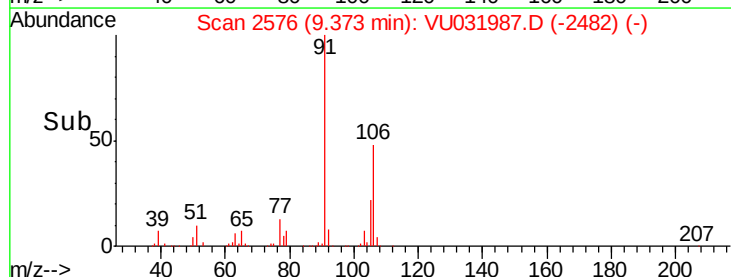
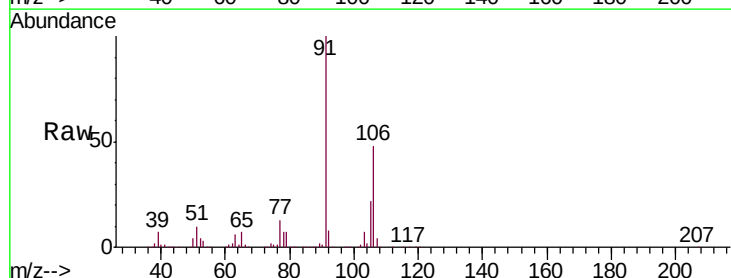
Acq: 14 May 2019 12:18

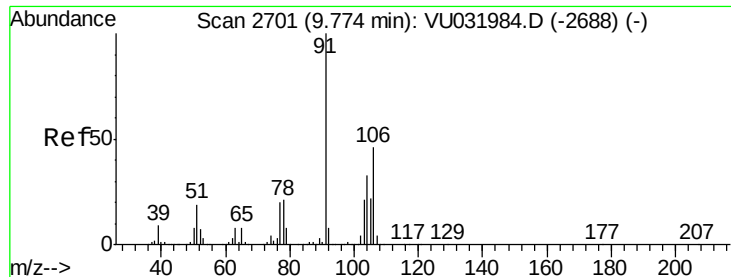
Tgt Ion: 106 Resp: 758859

Ion Ratio Lower Upper

106 100

91 209.9 144.8 269.0





#54

o-xylene

Concen: 52.088 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

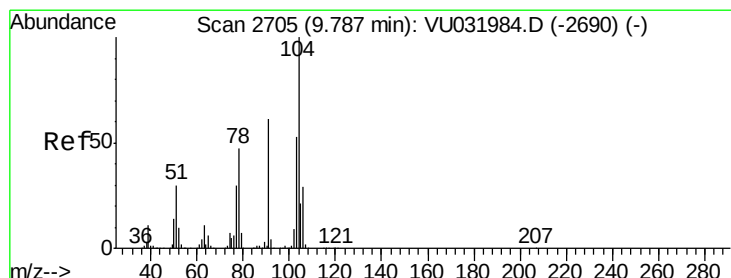
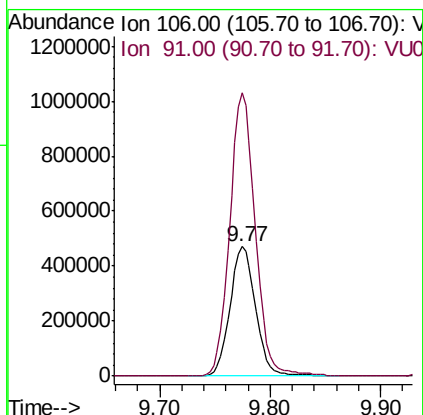
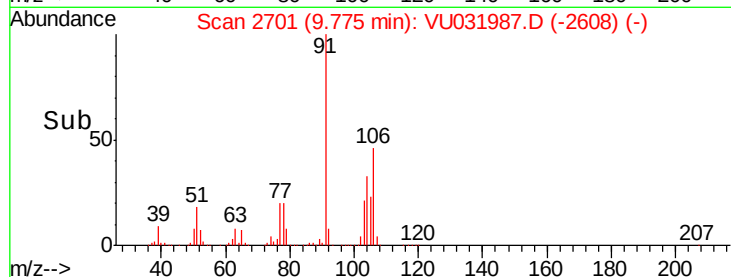
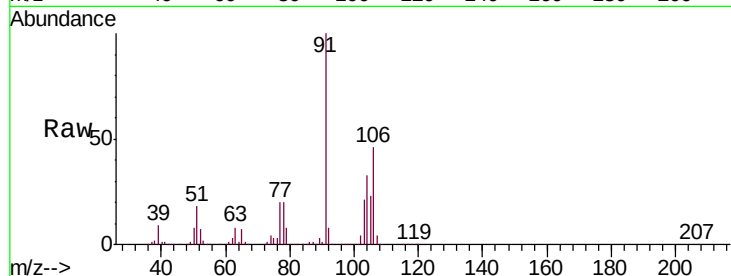
VICV55

Tgt Ion:106 Resp: 761097

Ion Ratio Lower Upper

106 100

91 218.2 153.9 285.7



#55

Styrene

Concen: 52.209 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031987.D

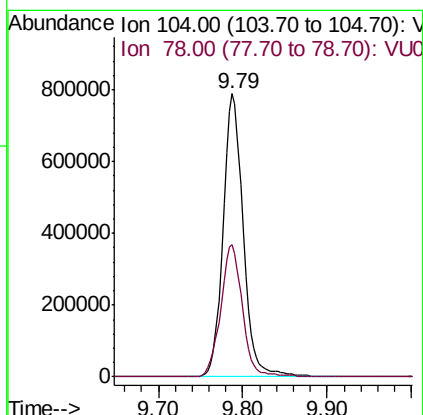
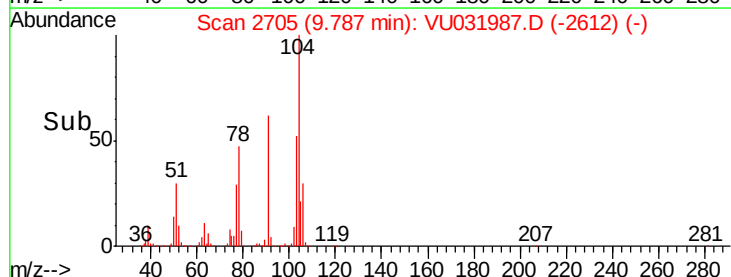
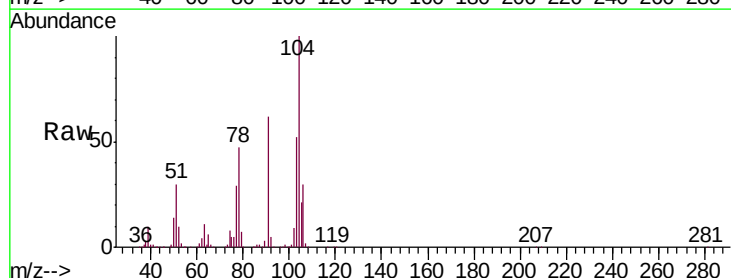
Acq: 14 May 2019 12:18

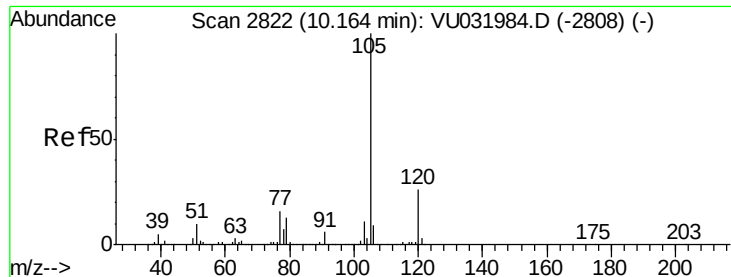
Tgt Ion:104 Resp: 1309535

Ion Ratio Lower Upper

104 100

78 46.9 33.2 61.6





#56

Isopropylbenzene

Concen: 51.988 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VICV55

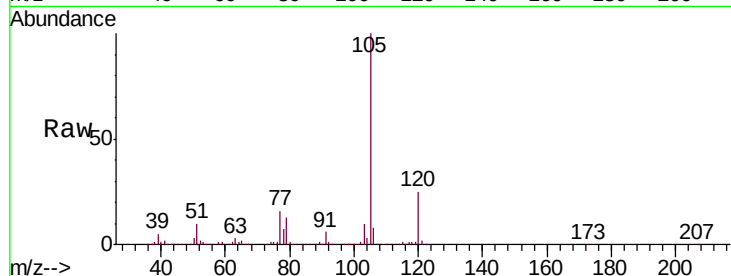
Tgt Ion: 105 Resp: 1946359

Ion Ratio Lower Upper

105 100

120 25.2 20.5 30.7

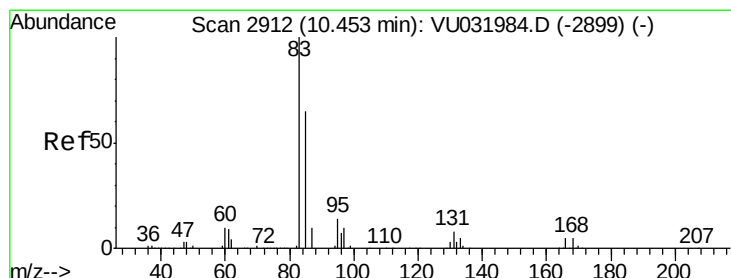
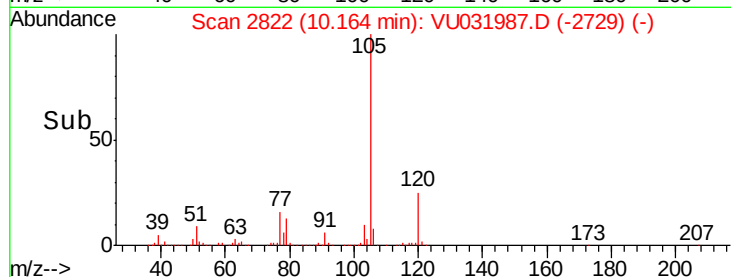
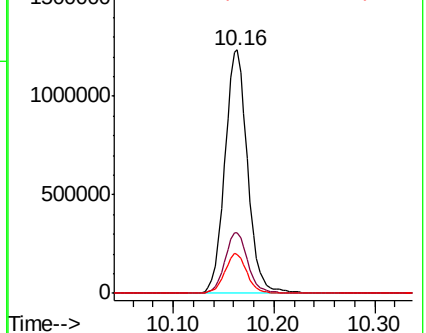
77 16.1 13.0 19.4



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: 47.191 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

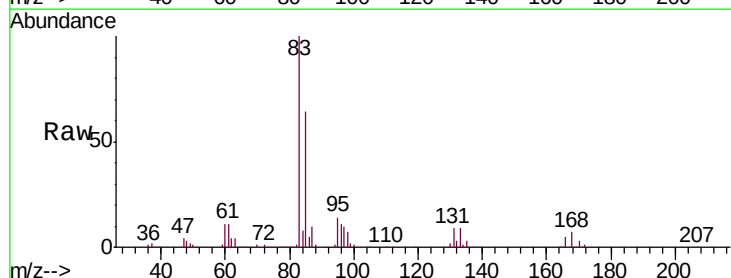
Tgt Ion: 83 Resp: 774664

Ion Ratio Lower Upper

83 100

85 64.3 45.8 85.2

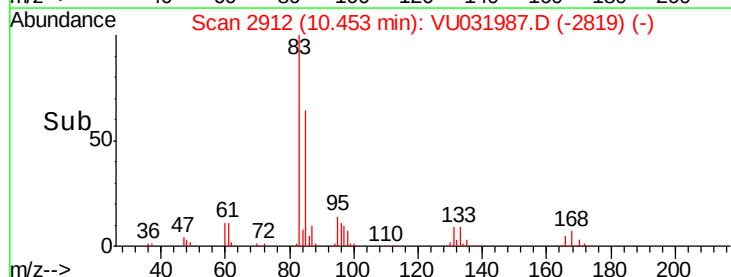
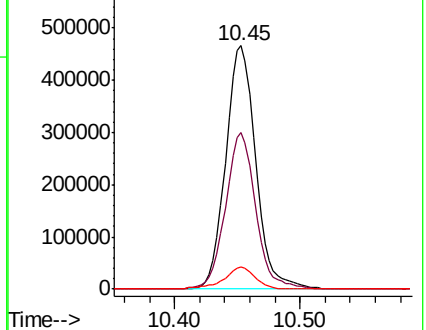
131 8.9 7.0 10.4

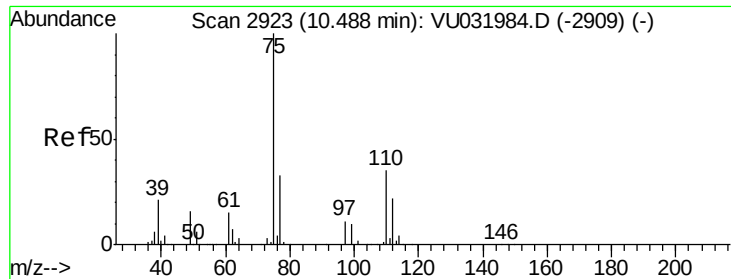


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

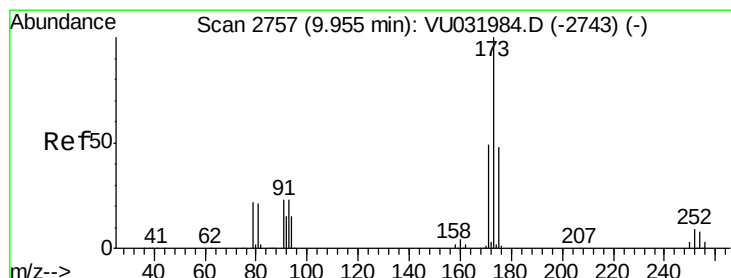
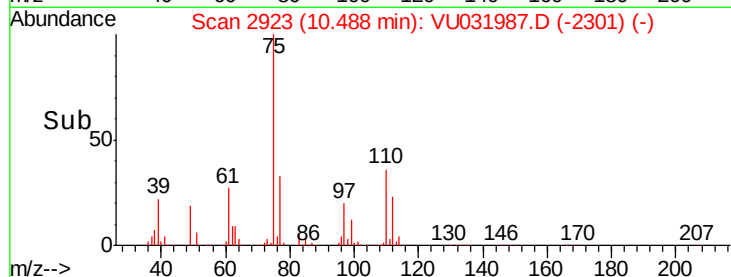
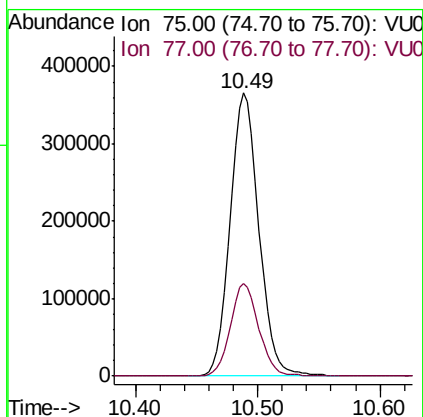
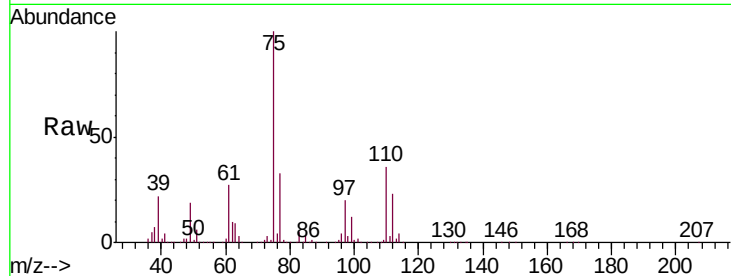




#59
 1,2,3-Trichloropropane
 Concen: 46.529 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

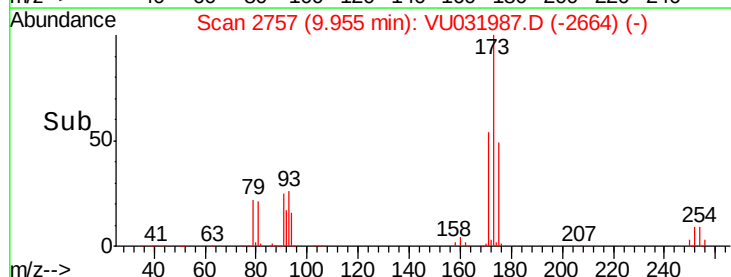
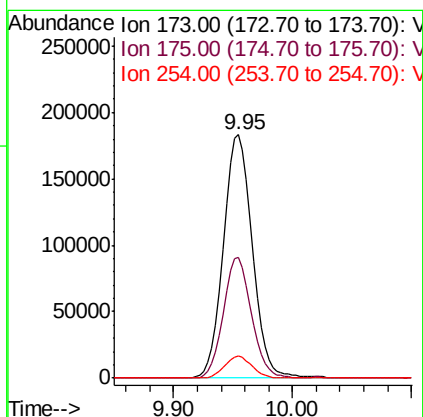
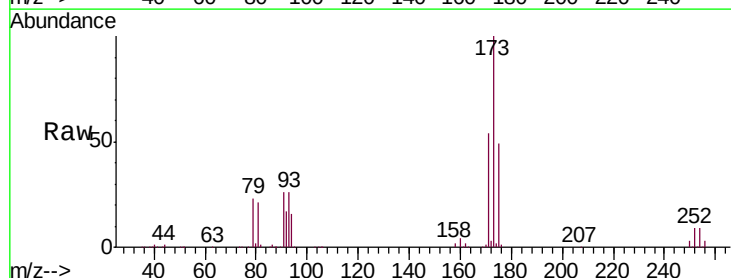
Instrument :
 MSVOA_U
 ClientSampled :
 VICV55

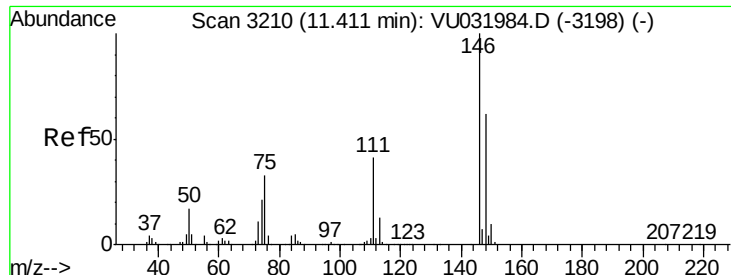
Tgt Ion: 75 Resp: 601954
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.7 38.5



#61
 Bromoform
 Concen: 45.795 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

Tgt Ion: 173 Resp: 309534
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.4 57.6
 254 8.5 6.6 9.8

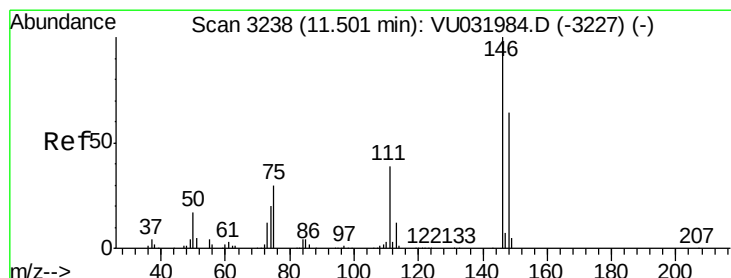
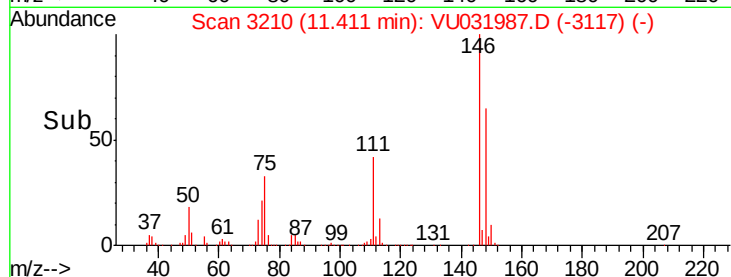
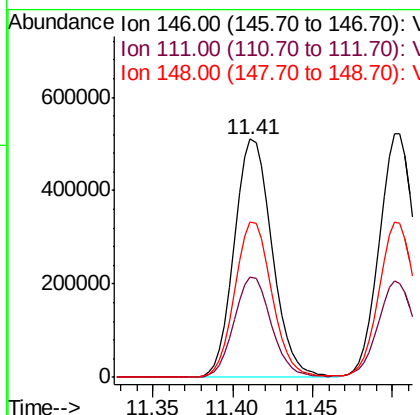
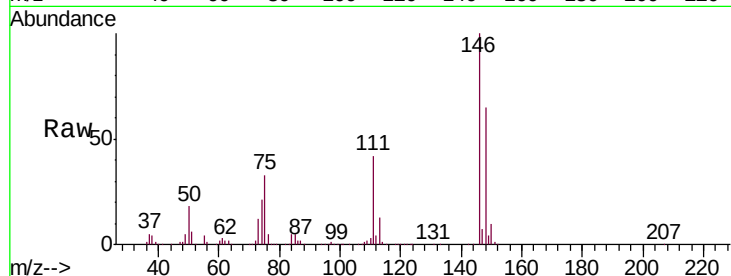




#62
 1,3-Dichlorobenzene
 Concen: 49.619 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

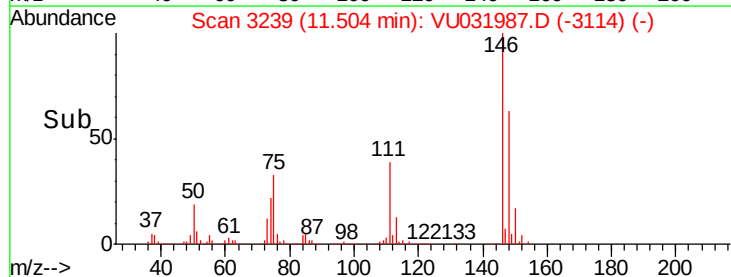
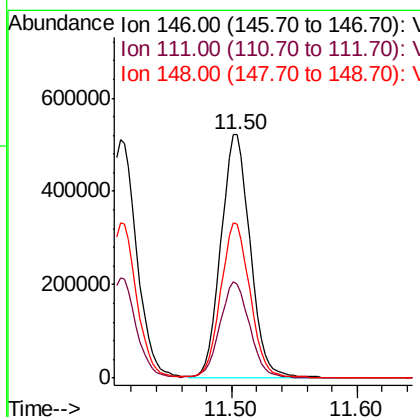
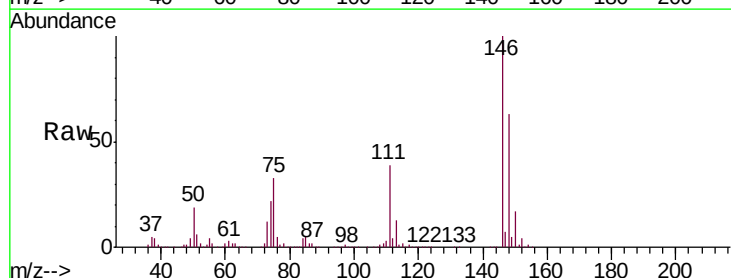
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV55

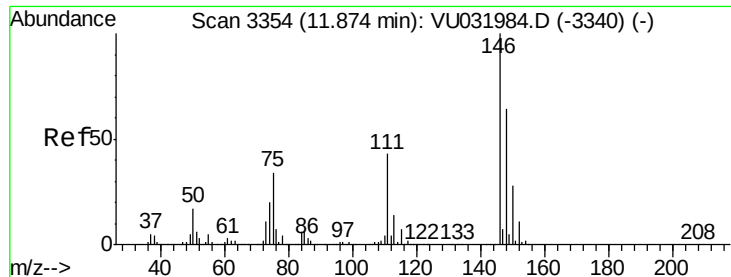
Tgt Ion:146 Resp: 822170
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.0 53.9
 148 65.0 43.3 80.3



#63
 1,4-Dichlorobenzene
 Concen: 47.935 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

Tgt Ion:146 Resp: 840145
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.9 51.7
 148 63.1 44.7 83.1

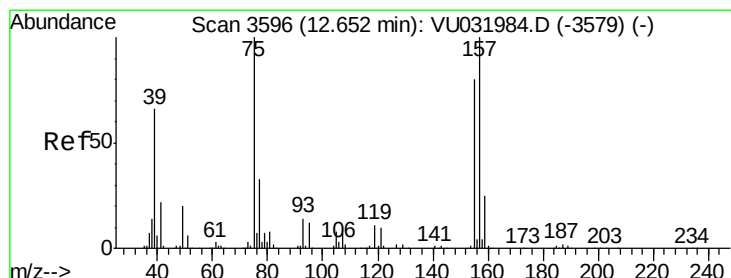
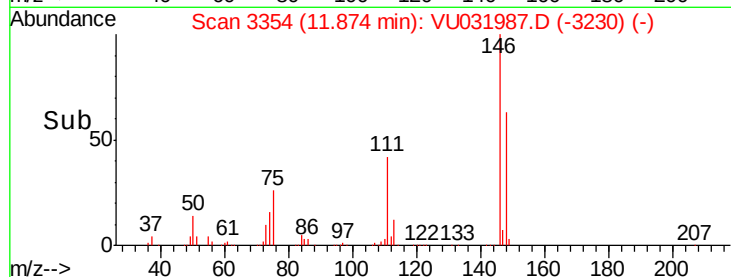
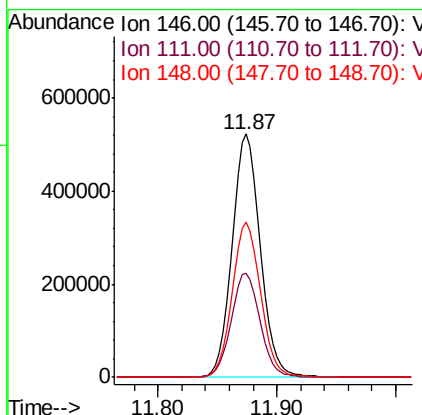
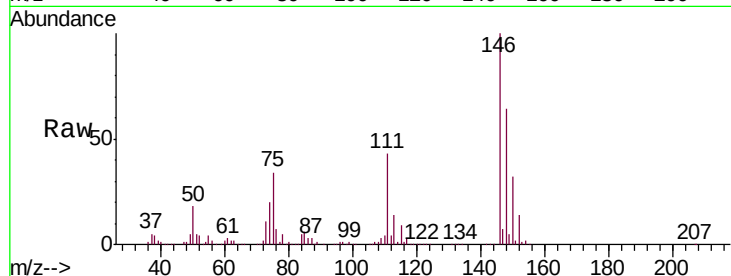




#65
 1,2-Dichlorobenzene
 Concen: 48.693 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

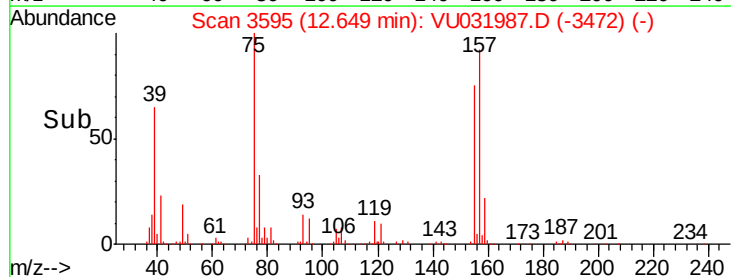
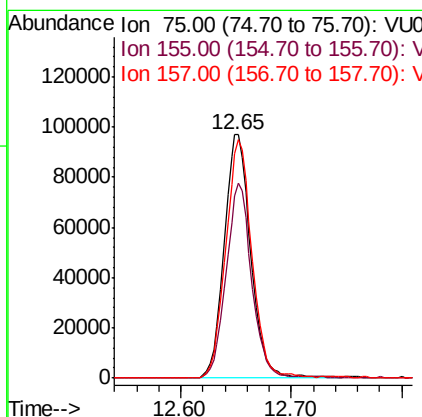
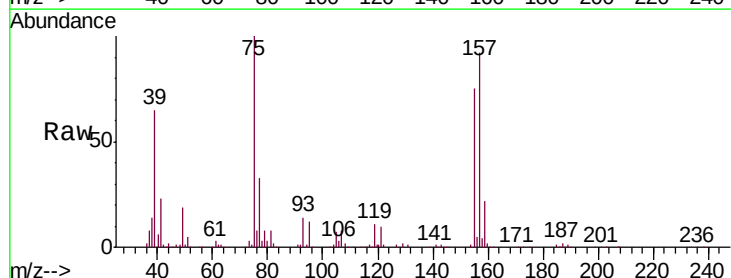
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV55

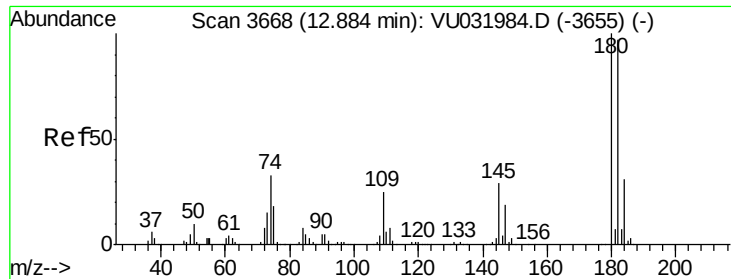
Tgt Ion: 146 Resp: 854987
 Ion Ratio Lower Upper
 146 100
 111 42.8 34.8 52.2
 148 63.6 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.711 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

Tgt Ion: 75 Resp: 161845
 Ion Ratio Lower Upper
 75 100
 155 74.7 63.8 95.8
 157 92.0 80.2 120.2

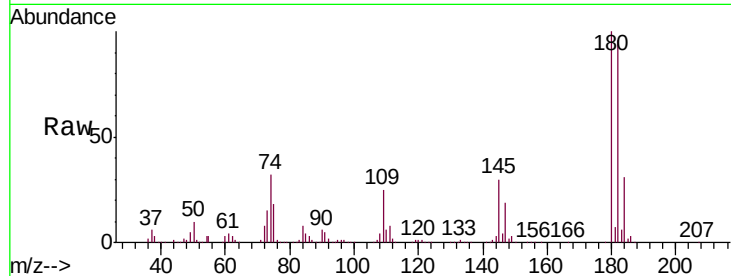




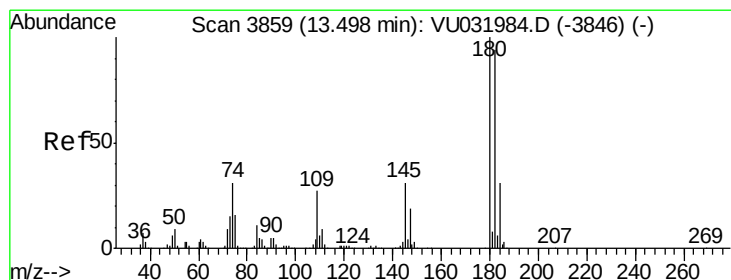
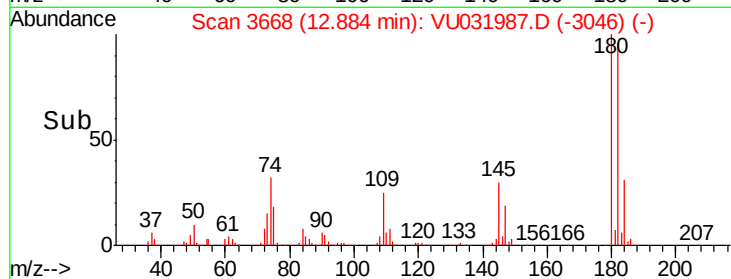
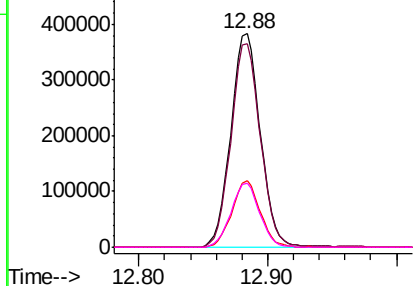
#67
 1,3,5-Trichlorobenzene
 Concen: 51.199 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV55

Tgt Ion:	180	Resp:	608401
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
184	29.9	24.7	37.1
145	29.4	23.9	35.9

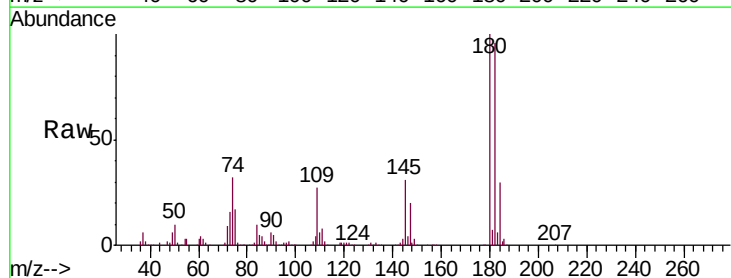


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

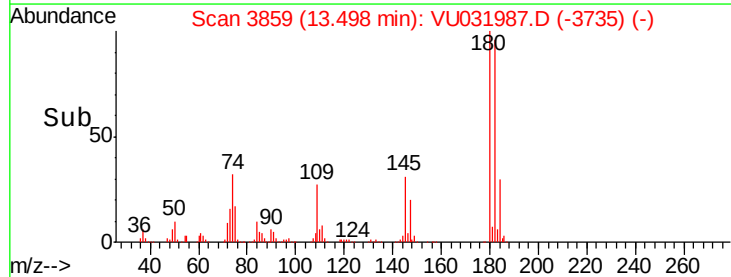
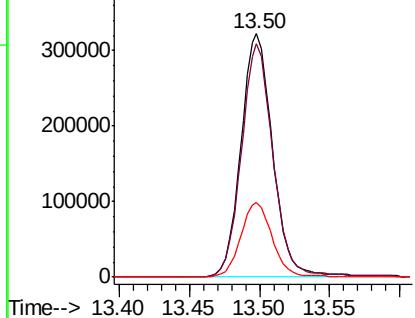


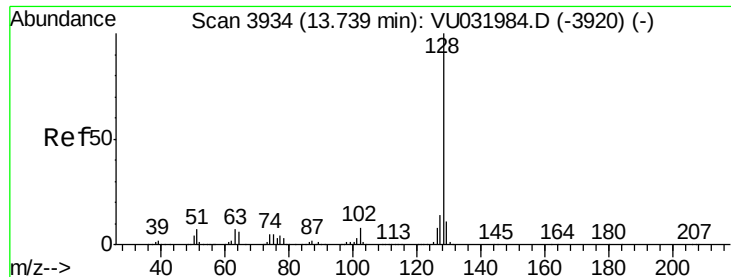
#68
 1,2,4-trichlorobenzene
 Concen: 55.204 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031987.D
 Acq: 14 May 2019 12:18

Tgt Ion:	180	Resp:	505264
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	30.6	24.0	36.0



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: 64.135 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

VICV55

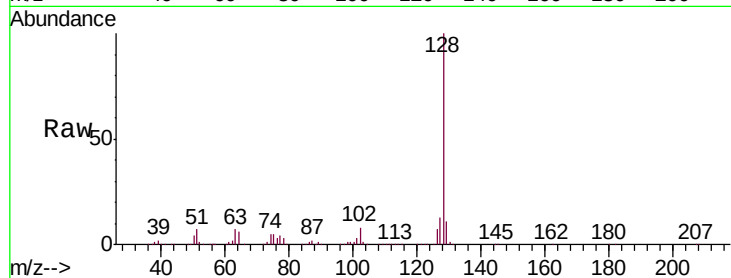
Tgt Ion:128 Resp: 1954444

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

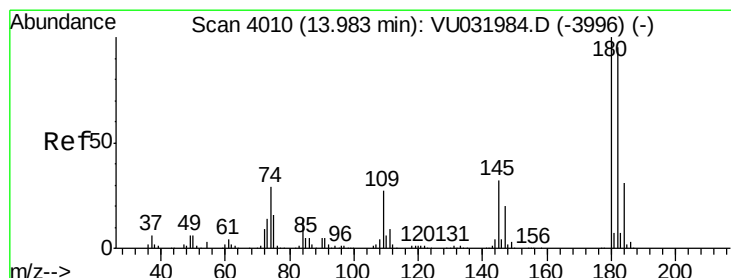
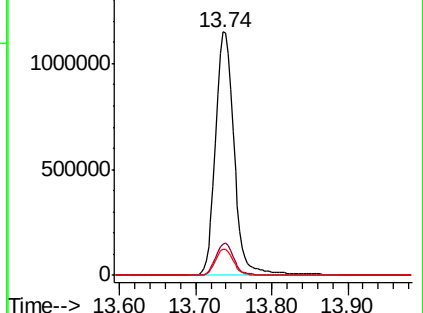
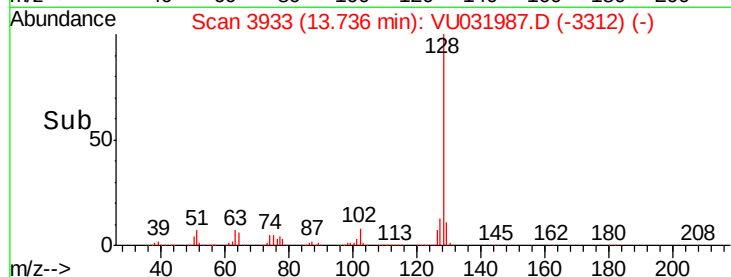
129 10.5 8.6 13.0



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: 56.180 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031987.D

Acq: 14 May 2019 12:18

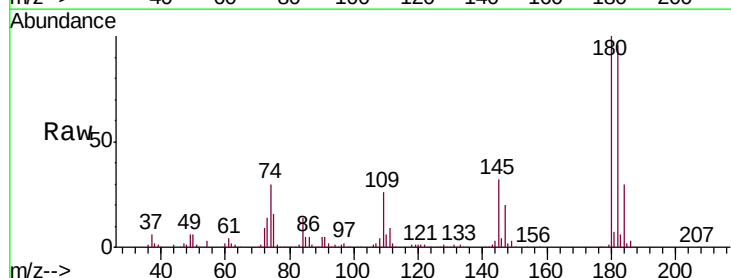
Tgt Ion:180 Resp: 559745

Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.6

145 32.0 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

