

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VV080918\
 Data File : VU025983.D
 Acq On : 08 Aug 2018 21:19
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Quant Time: Aug 09 01:53:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 01:50:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	322437	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303943	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	154842	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	116677	49.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.00%
7) Chloroethane-d5	1.67	69	90691	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.06%
11) 1,1-Dichloroethene-d2	2.27	63	219891	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.20%
21) 2-Butanone-d5	4.18	46	191515	97.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.50%
24) Chloroform-d	4.65	84	242560	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
26) 1,2-Dichloroethane-d4	5.31	65	162419	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.22%
32) Benzene-d6	5.35	84	468200	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.22%
36) 1,2-Dichloropropane-d6	6.34	67	149826	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.12%
41) Toluene-d8	7.57	98	449512	49.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.56%
43) trans-1,3-Dichloropropene-	7.85	79	76558	49.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.52%
47) 2-Hexanone-d5	8.31	63	141660	102.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.13%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	216428	48.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	186775	48.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	142634	50.775	ug/L 99
3) Chloromethane	1.33	50	128397	50.940	ug/L 99
5) Vinyl chloride	1.40	62	126142	51.864	ug/L 99
6) Bromomethane	1.62	94	77740	59.774	ug/L 100
8) Chloroethane	1.70	64	72729	49.763	ug/L 94
9) Trichlorofluoromethane	1.89	101	175445	50.418	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	101291	50.039	ug/L 99
12) 1,1-Dichloroethene	2.28	96	92929	49.920	ug/L 90
13) Acetone	2.32	43	118008	96.706	ug/L 98
14) Carbon disulfide	2.48	76	322504	52.659	ug/L 98
15) Methyl Acetate	2.62	43	126054	49.316	ug/L 99
16) Methylene chloride	2.70	84	115764	48.711	ug/L 97
17) trans-1,2-Dichloroethene	2.99	96	107237	51.700	ug/L 95
18) Methyl tert-butyl Ether	3.00	73	345001	50.613	ug/L 99
19) 1,1-Dichloroethane	3.45	63	199790	49.662	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	120362	50.432	ug/L 99
22) 2-Butanone	4.27	43	176744	100.101	ug/L 100

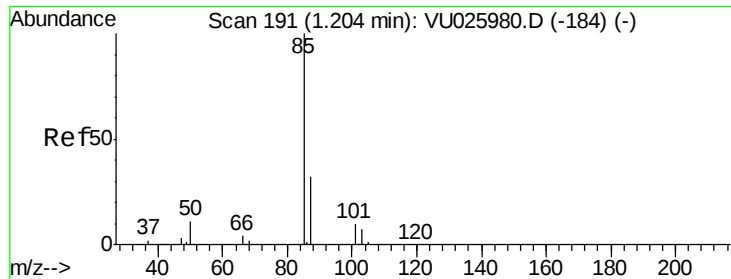
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VV080918\
 Data File : VU025983.D
 Acq On : 08 Aug 2018 21:19
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 01:50:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	62971	49.539	ug/L	99
25) Chloroform	4.68	83	209534	50.017	ug/L	99
27) 1,2-Dichloroethane	5.41	62	173639	50.184	ug/L	100
29) Cyclohexane	5.00	56	174017	51.226	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	188337	49.111	ug/L	99
31) Carbon tetrachloride	5.14	117	176743	50.471	ug/L	99
33) Benzene	5.39	78	438662	50.672	ug/L	100
34) Trichloroethene	6.19	95	114671	50.704	ug/L	98
35) Methylcyclohexane	6.42	83	182207	52.764	ug/L	99
37) 1,2-Dichloropropane	6.44	63	120167	50.731	ug/L	99
38) Bromodichloromethane	6.76	83	158511	50.230	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	178769	49.797	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	333819	102.568	ug/L	99
42) Toluene	7.64	91	474495	51.639	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	174939	51.196	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	114299	50.613	ug/L	97
46) Tetrachloroethene	8.23	164	98381	51.116	ug/L	99
48) 2-Hexanone	8.36	43	263216	103.809	ug/L	98
49) Dibromochloromethane	8.48	129	138440	50.837	ug/L	98
50) 1,2-Dibromoethane	8.59	107	124060	50.440	ug/L	100
51) Chlorobenzene	9.12	112	314998	50.842	ug/L	98
52) Ethylbenzene	9.25	91	518153	51.534	ug/L	100
53) m,p-Xylene	9.38	106	202215	52.633	ug/L	100
54) o-xylene	9.78	106	200048	52.463	ug/L	100
55) Styrene	9.80	104	337910	53.227	ug/L	100
56) Isopropylbenzene	10.17	105	521784	53.117	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	193433	50.398	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	153330	50.190	ug/L	99
61) Bromoform	9.96	173	104964	50.066	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	246434	51.122	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	246814	48.842	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	258864	50.450	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	44673	49.604	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	189223	52.521	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	161005	52.846	ug/L	99
69) Naphthalene	13.75	128	540003	54.940	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	175406	53.566	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 50.775 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

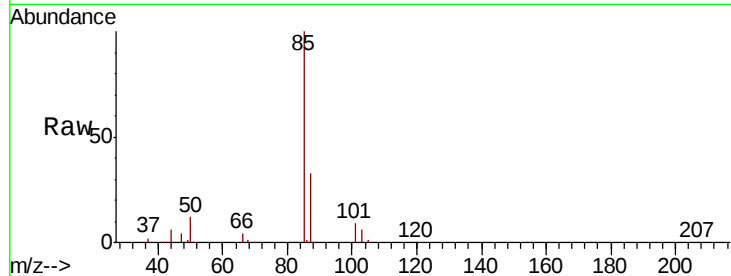
VICV47

Tgt Ion: 85 Resp: 142634

Ion Ratio Lower Upper

85 100

87 32.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.20

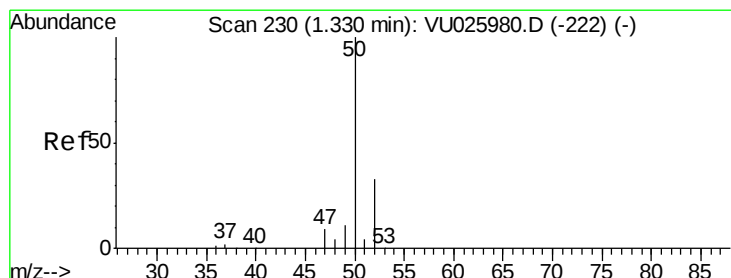
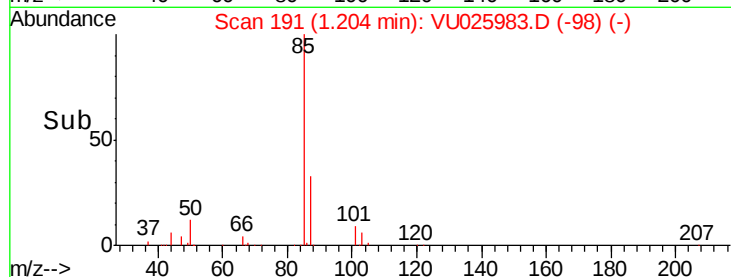
150000

100000

50000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 50.940 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025983.D

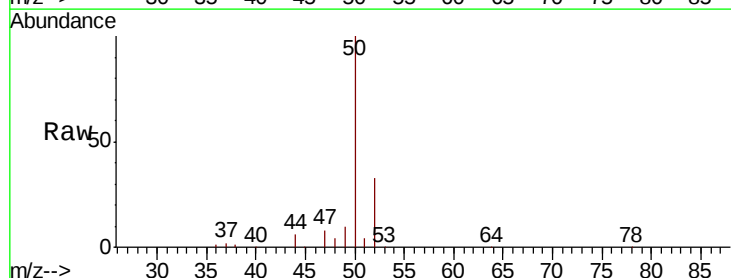
Acq: 08 Aug 2018 21:19

Tgt Ion: 50 Resp: 128397

Ion Ratio Lower Upper

50 100

52 32.7 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

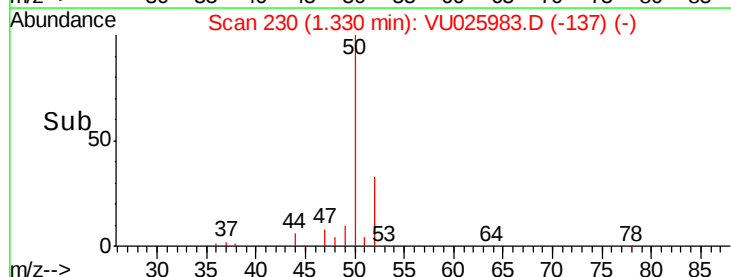
1.33

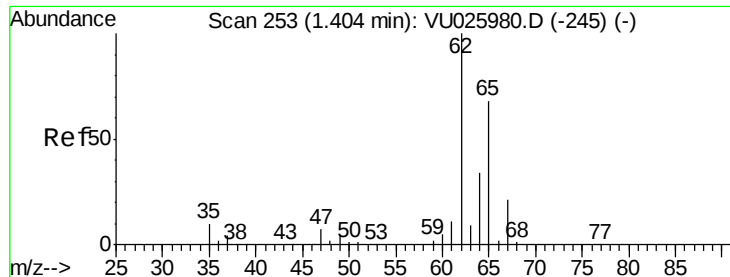
100000

50000

0

Time--> 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 51.864 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

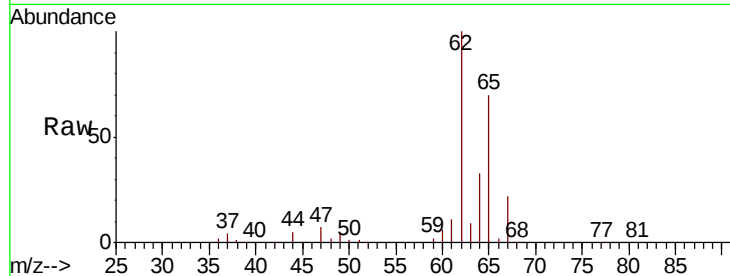
VICV47

Tgt Ion: 62 Resp: 126142

Ion Ratio Lower Upper

62 100

64 33.0 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

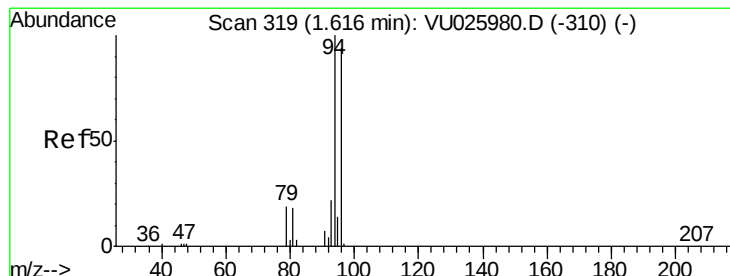
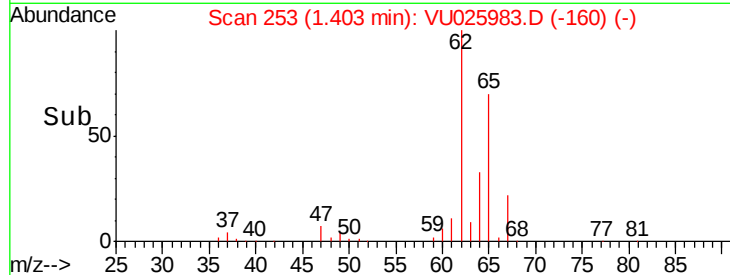
1.40

100000

50000

0

Time-->



#6

Bromomethane

Concen: 59.774 ug/L

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025983.D

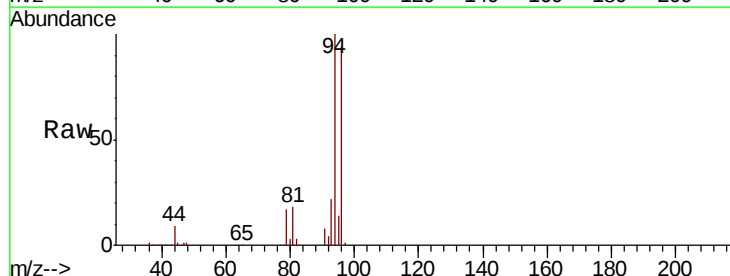
Acq: 08 Aug 2018 21:19

Tgt Ion: 94 Resp: 77740

Ion Ratio Lower Upper

94 100

96 93.8 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

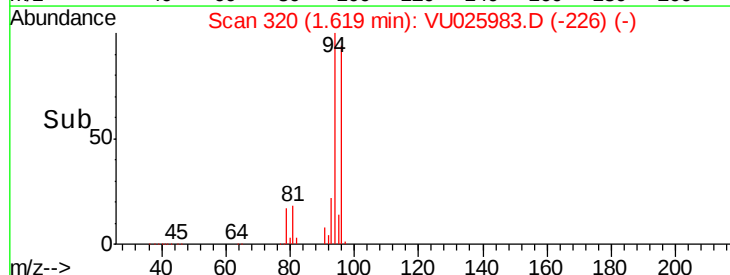
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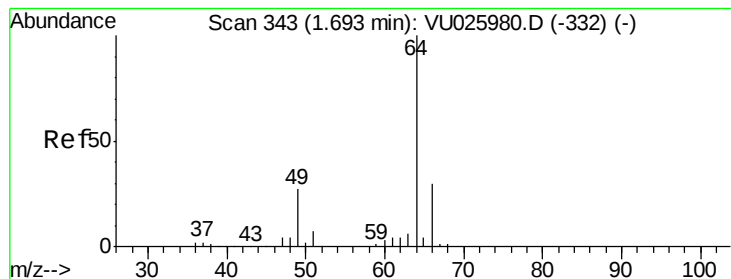
40000

20000

0

Time-->





#8

Chloroethane

Concen: 49.763 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

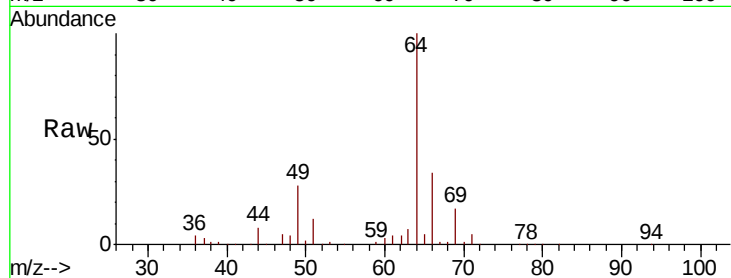
VICV47

Tgt Ion: 64 Resp: 72729

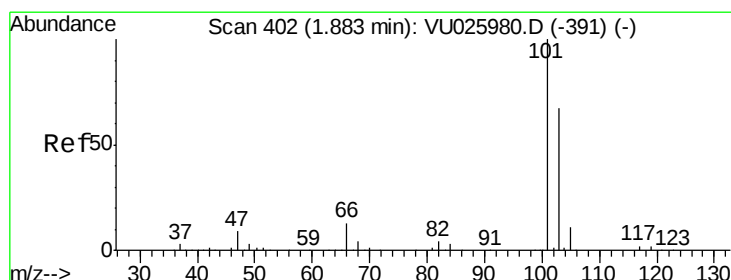
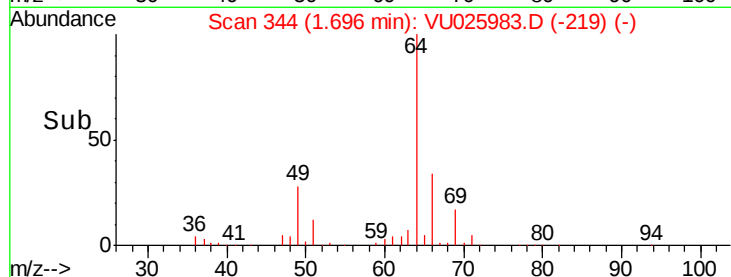
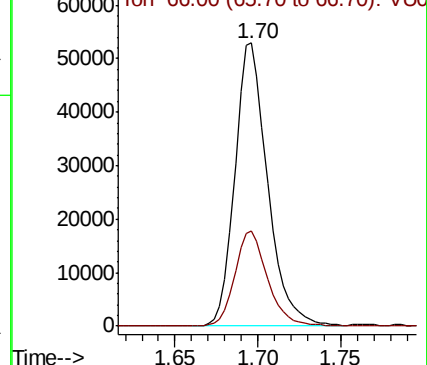
Ion Ratio Lower Upper

64 100

66 33.6 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VU025980.D (-332) (-)



#9

Trichlorofluoromethane

Concen: 50.418 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025983.D

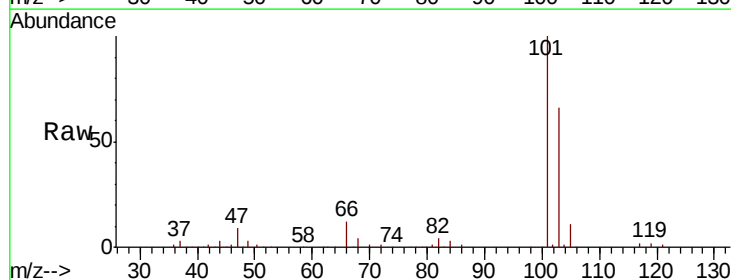
Acq: 08 Aug 2018 21:19

Tgt Ion: 101 Resp: 175445

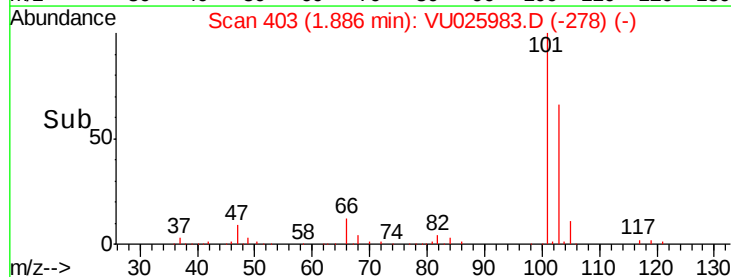
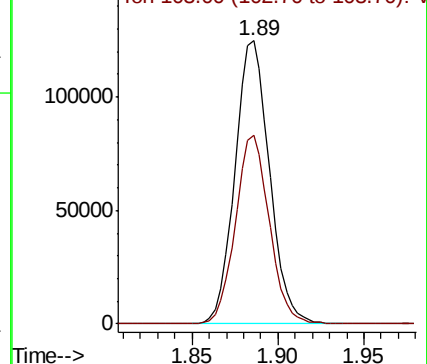
Ion Ratio Lower Upper

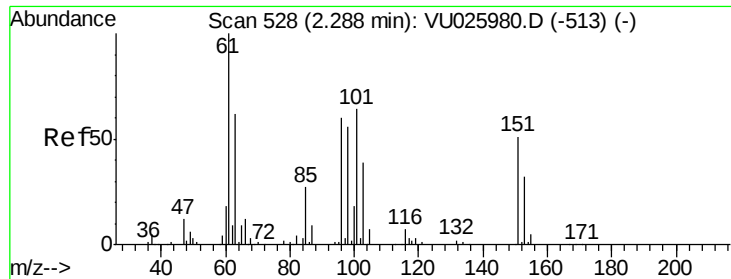
101 100

103 65.2 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU025980.D (-391) (-)





#10

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

Concen: 50.039 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VICV47

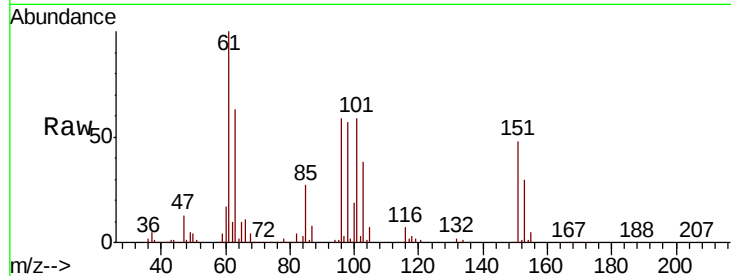
Tgt Ion: 101 Resp: 101291

Ion Ratio Lower Upper

101 100

85 43.8 36.0 54.0

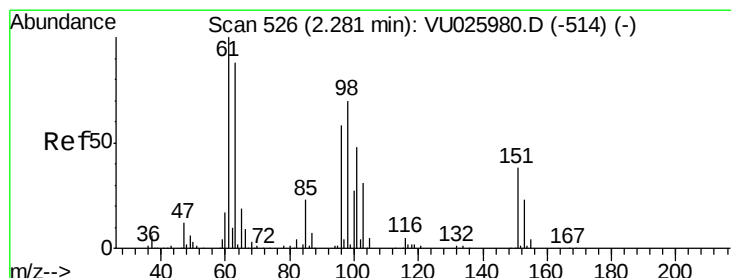
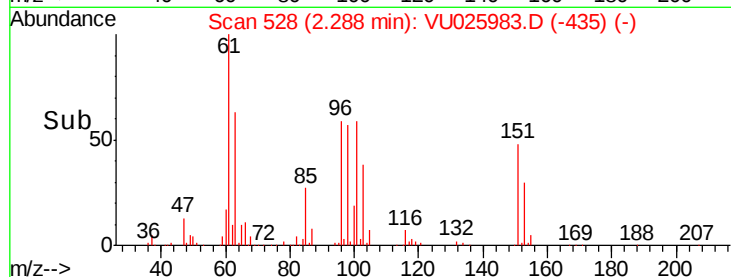
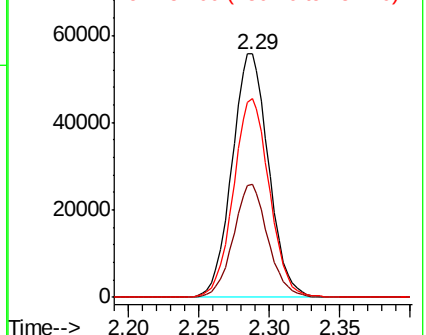
151 80.2 64.2 96.2



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: 49.920 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

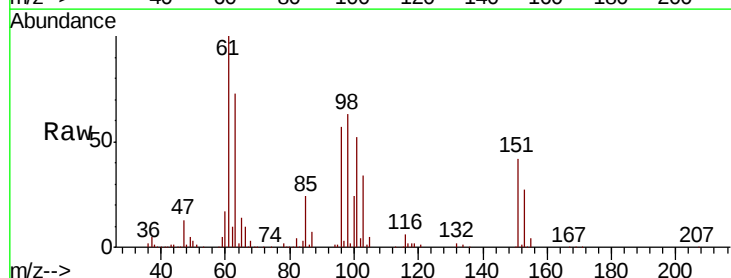
Tgt Ion: 96 Resp: 92929

Ion Ratio Lower Upper

96 100

61 174.8 121.2 225.2

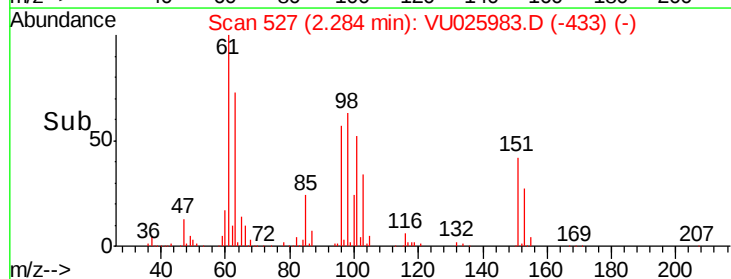
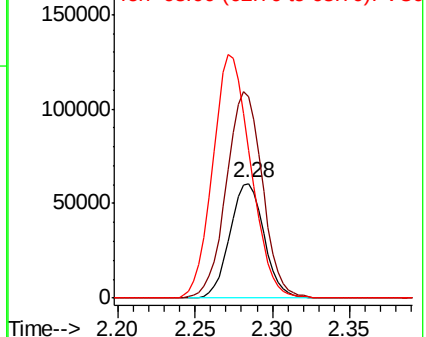
63 128.5 108.7 201.9

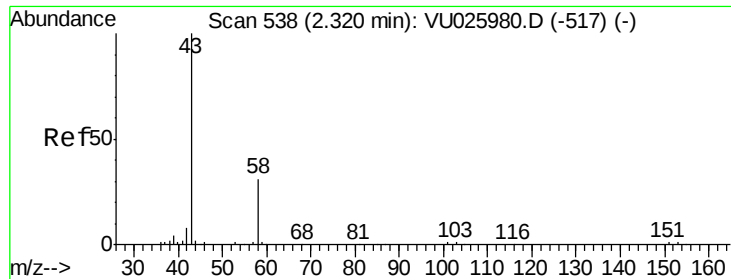


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 96.706 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

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ClientSampleId :

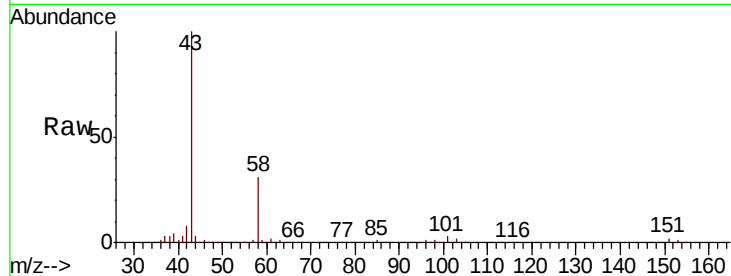
VICV47

Tgt Ion: 43 Resp: 118008

Ion Ratio Lower Upper

43 100

58 30.0 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

80000

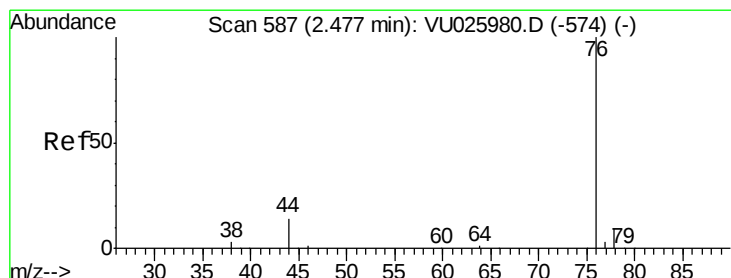
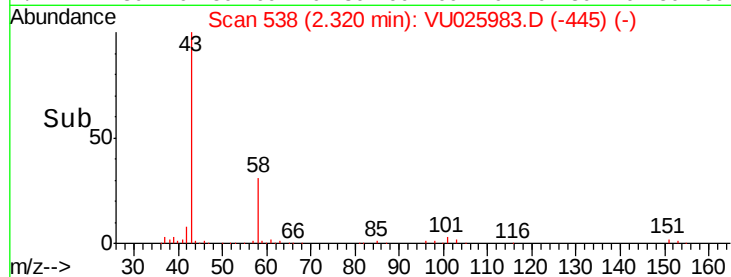
60000

40000

20000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 52.659 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025983.D

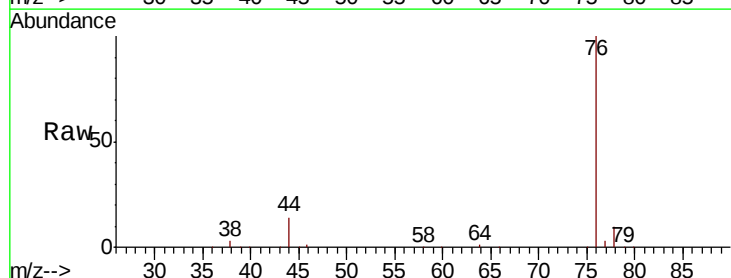
Acq: 08 Aug 2018 21:19

Tgt Ion: 76 Resp: 322504

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

200000

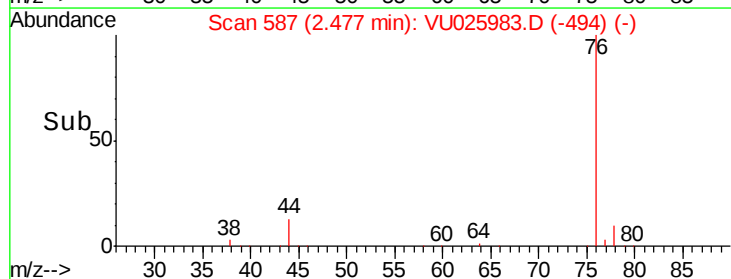
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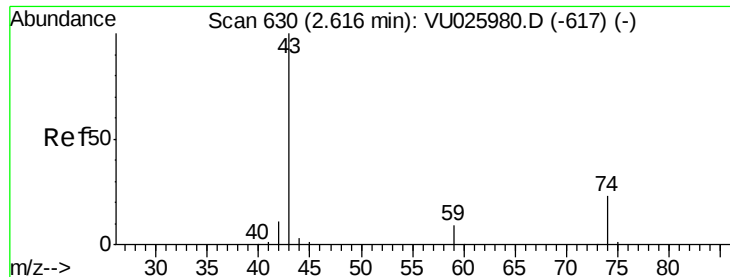
100000

50000

0

Time--> 2.40 2.50 2.60





#15

Methyl Acetate

Concen: 49.316 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampled :

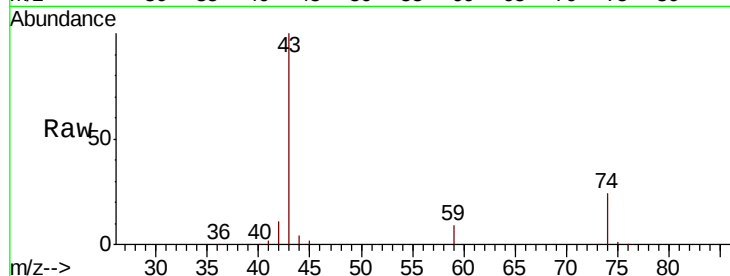
VICV47

Tgt Ion: 43 Resp: 126054

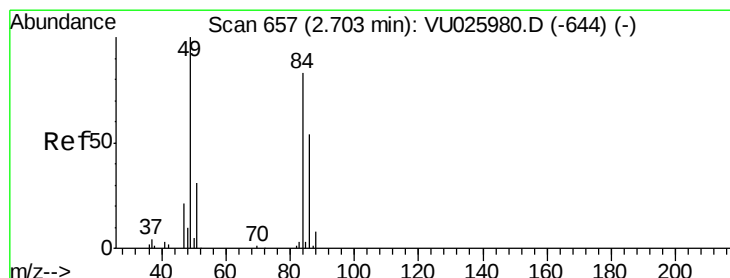
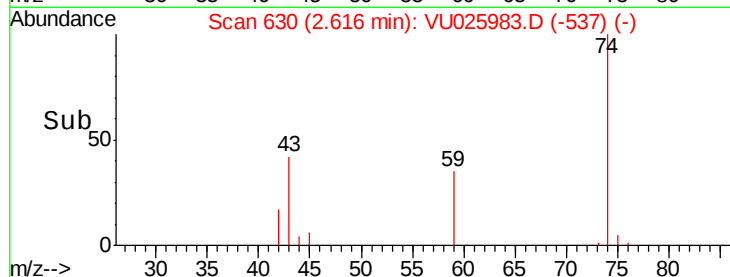
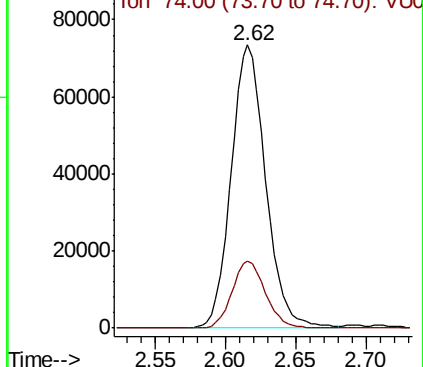
Ion Ratio Lower Upper

43 100

74 22.9 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VU025983.D (-537) (-)



#16

Methylene chloride

Concen: 48.711 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

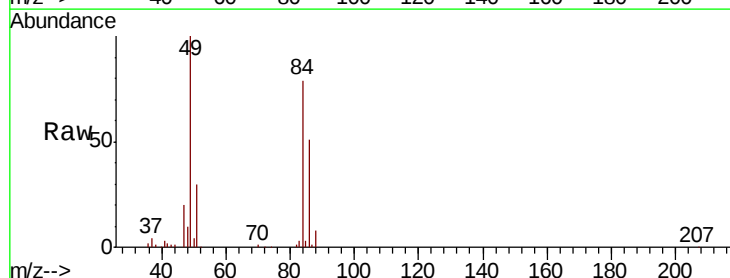
Tgt Ion: 84 Resp: 115764

Ion Ratio Lower Upper

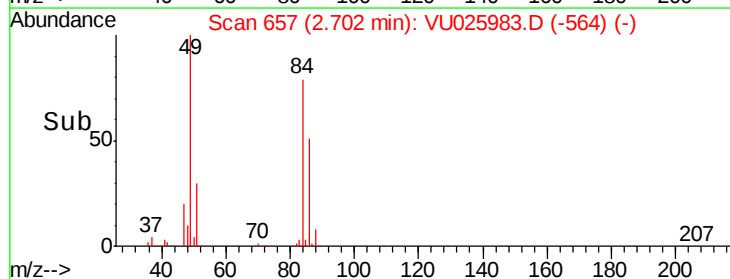
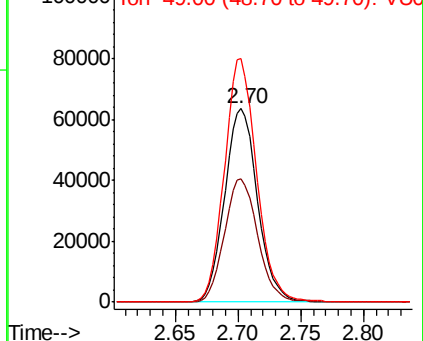
84 100

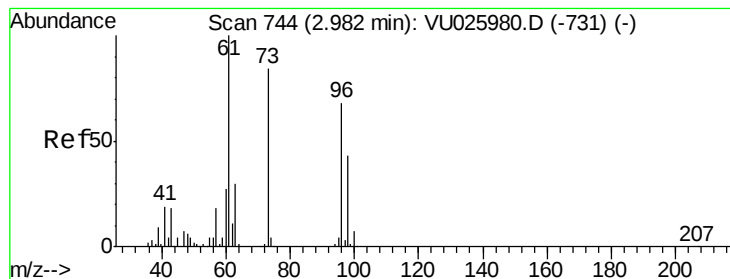
86 64.0 45.8 85.0

49 125.8 85.0 157.8



Abundance Ion 84.00 (83.70 to 84.70): VU025983.D (-564) (-)





#17

trans-1,2-Dichloroethene

Concen: 51.700 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampled :

VICV47

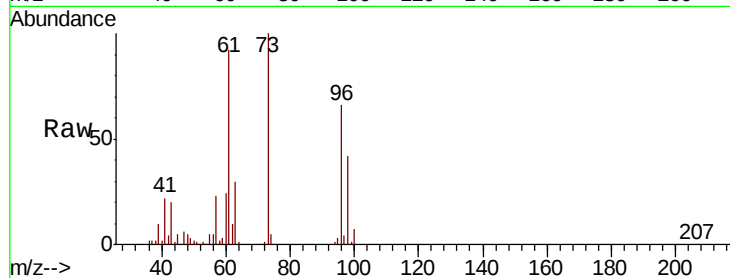
Tgt Ion: 96 Resp: 107237

Ion Ratio Lower Upper

96 100

61 139.1 102.8 190.8

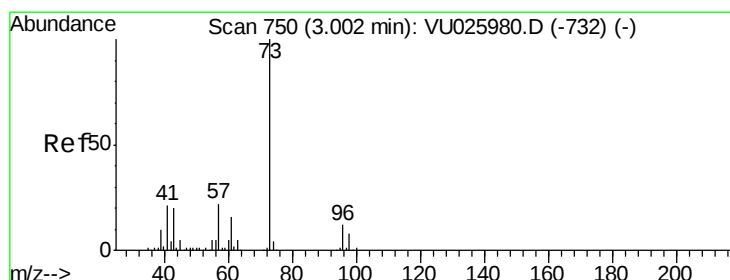
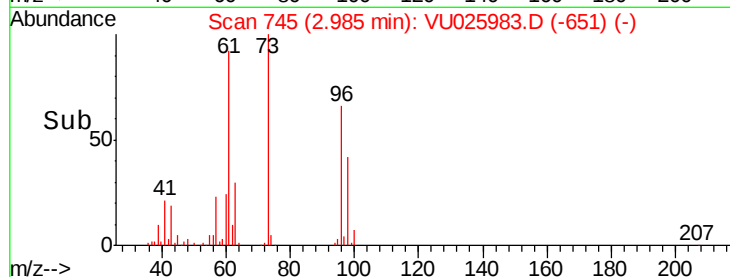
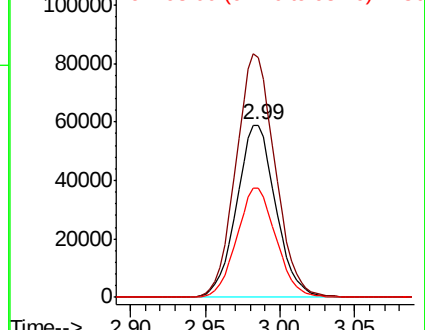
98 63.2 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 50.613 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

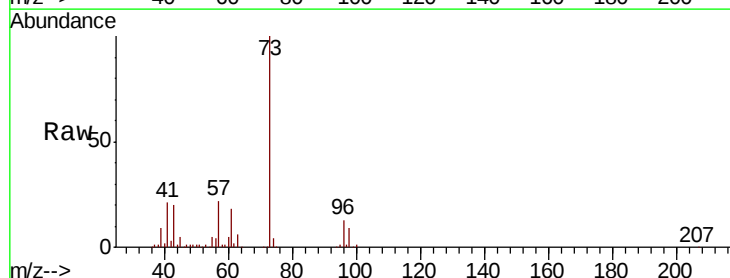
Tgt Ion: 73 Resp: 345001

Ion Ratio Lower Upper

73 100

43 20.1 16.3 24.5

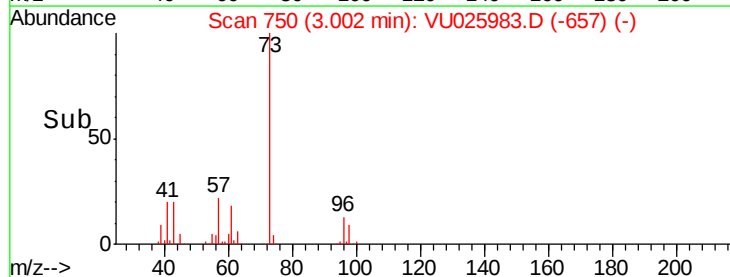
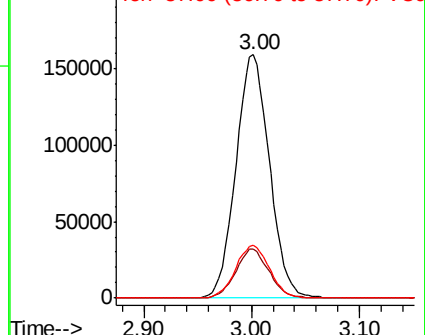
57 21.9 17.1 25.7

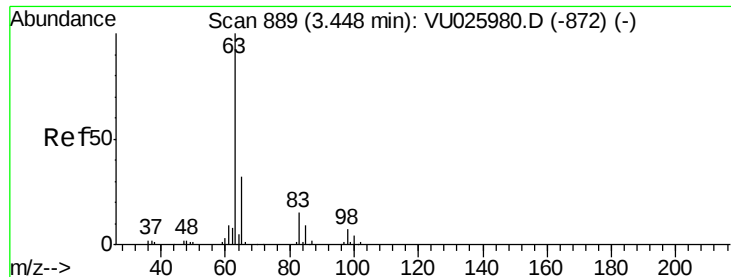


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

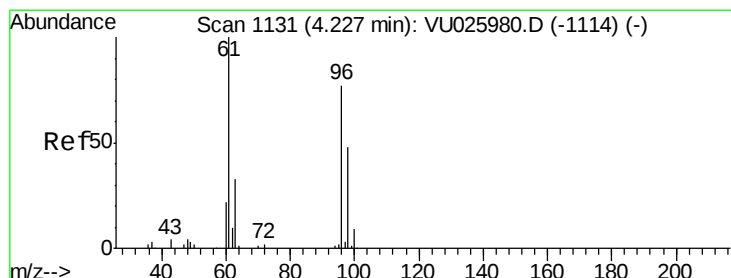
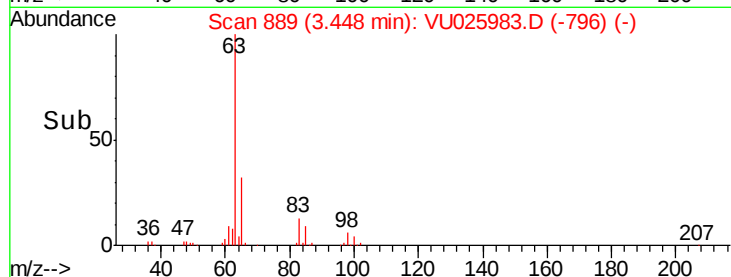
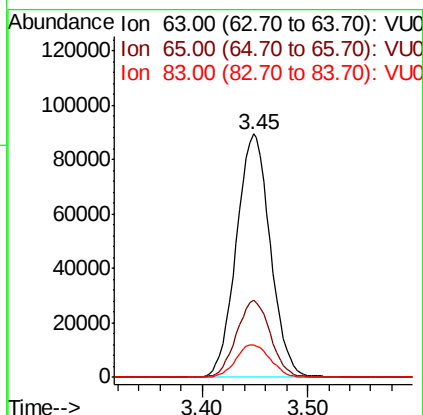
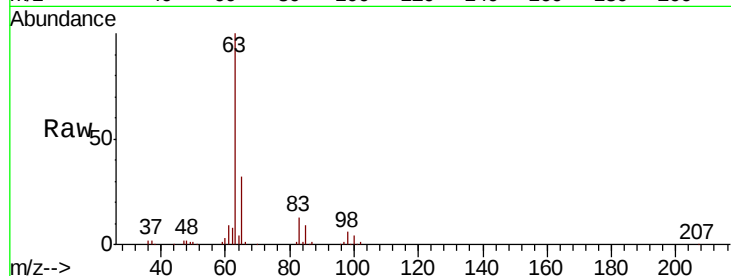




#19
 1,1-Dichloroethane
 Concen: 49.662 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

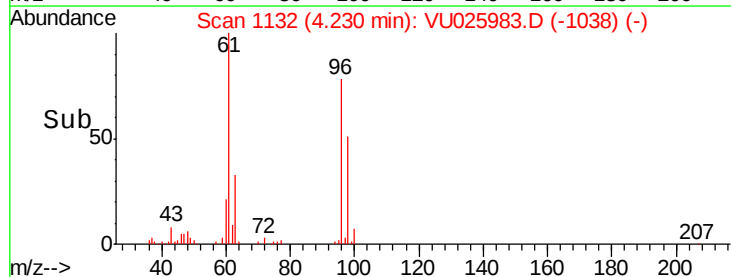
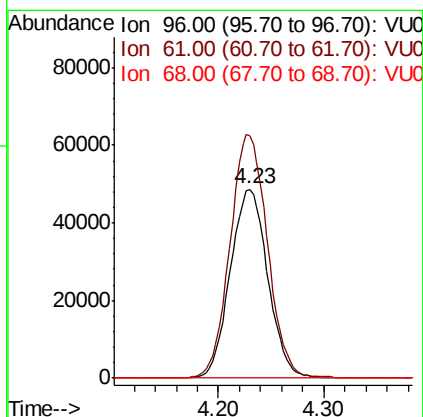
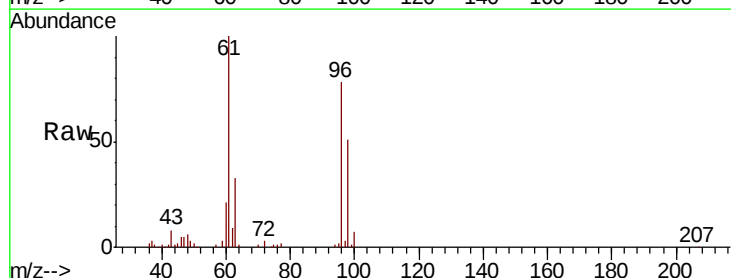
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

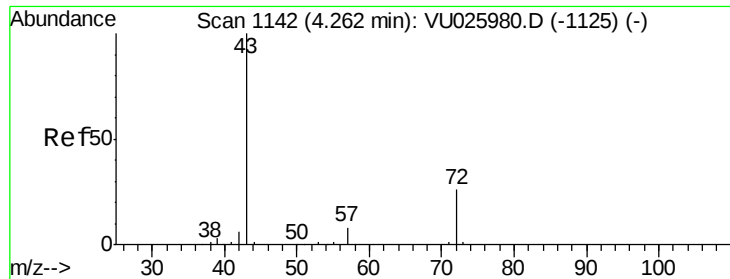
Tgt Ion:	63	Resp:	199790
Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.4	41.6
83	13.1	10.1	18.9



#20
 cis-1,2-Dichloroethene
 Concen: 50.432 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

Tgt Ion:	96	Resp:	120362
Ion	Ratio	Lower	Upper
96	100		
61	128.7	90.7	168.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 100.101 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

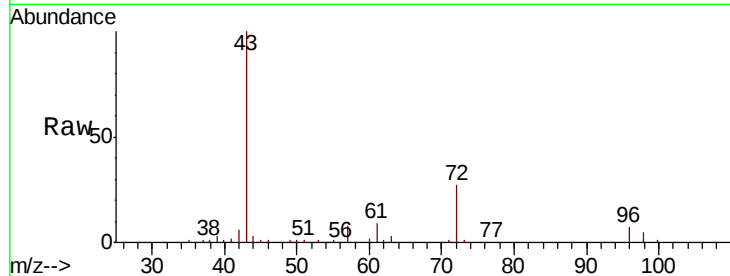
VICV47

Tgt Ion: 43 Resp: 176744

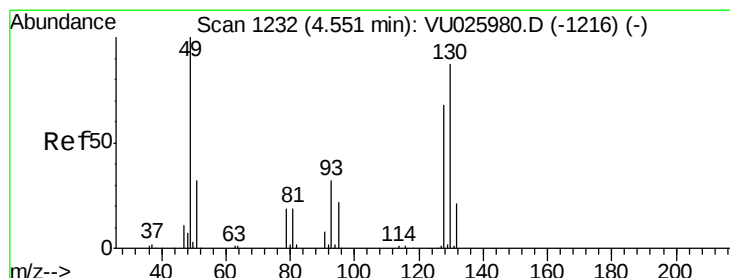
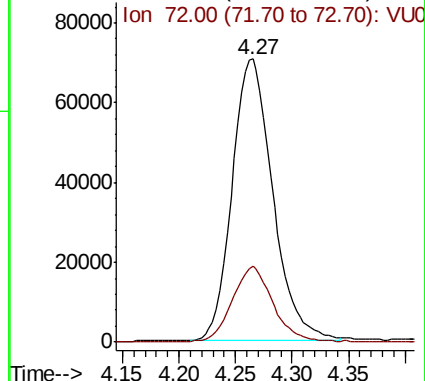
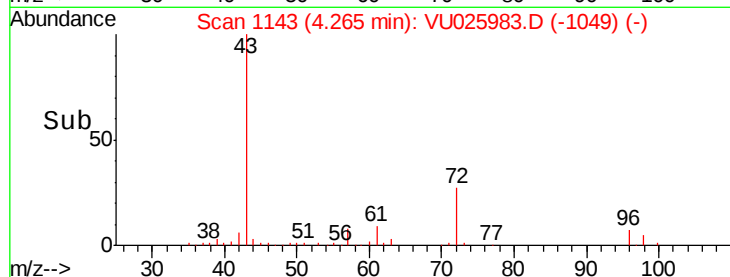
Ion Ratio Lower Upper

43 100

72 27.2 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU025983.D (-1149) (-)



#23

Bromochloromethane

Concen: 49.539 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Tgt Ion: 128 Resp: 62971

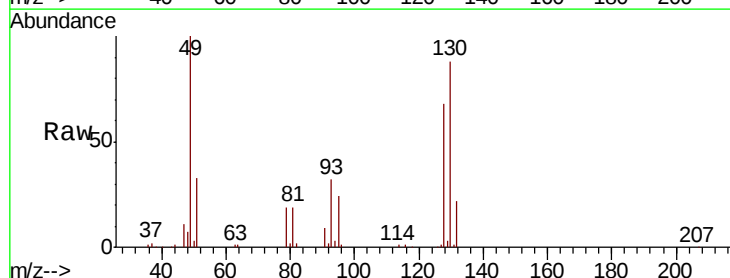
Ion Ratio Lower Upper

128 100

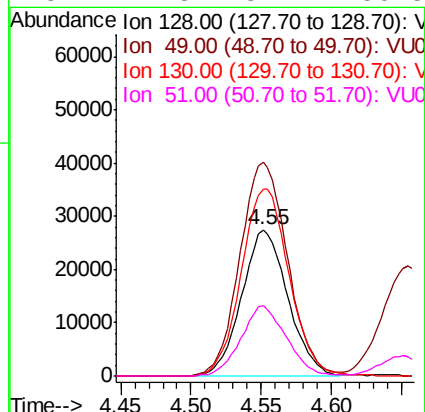
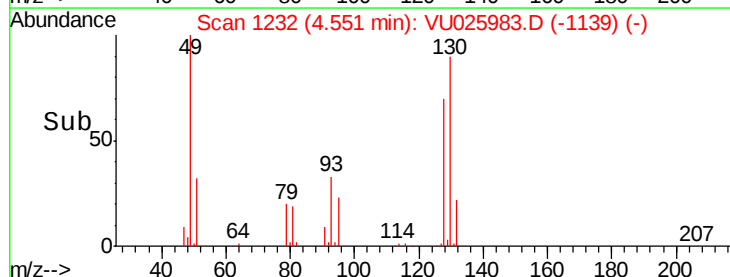
49 146.2 103.0 191.2

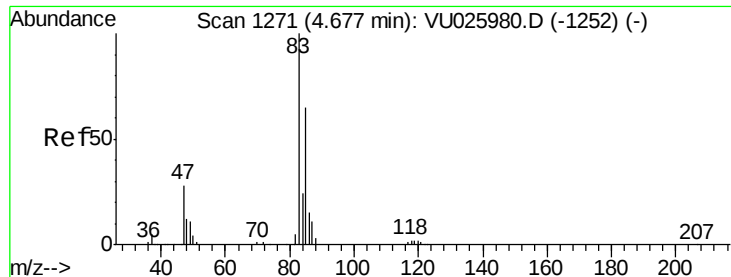
130 128.3 89.5 166.1

51 47.8 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU025983.D (-1239) (-)





#25

Chloroform

Concen: 50.017 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

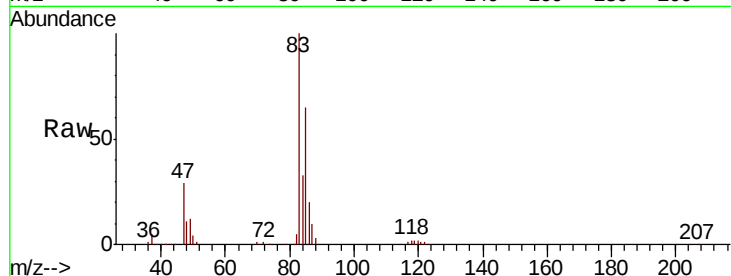
VICV47

Tgt Ion: 83 Resp: 209534

Ion Ratio Lower Upper

83 100

85 65.1 45.9 85.3



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.68

100000

80000

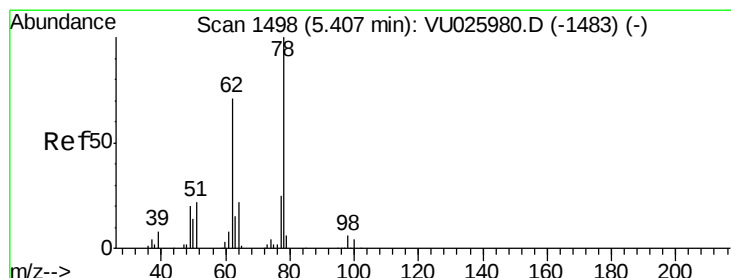
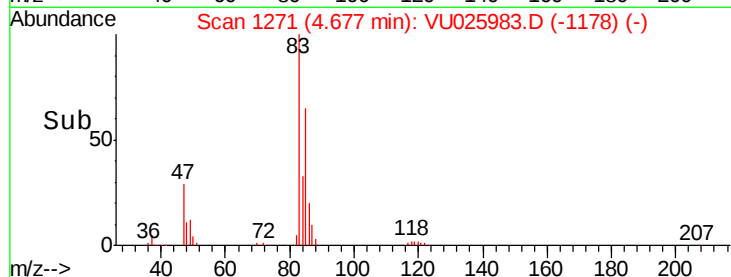
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 50.184 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025983.D

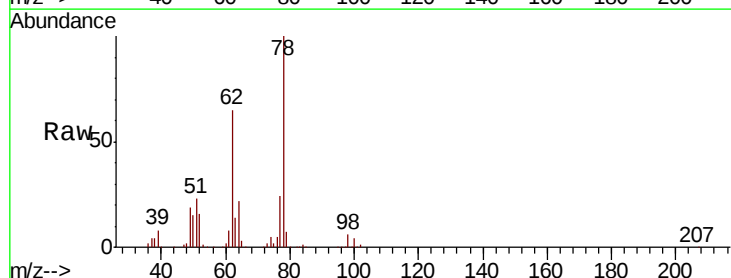
Acq: 08 Aug 2018 21:19

Tgt Ion: 62 Resp: 173639

Ion Ratio Lower Upper

62 100

98 8.8 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.41

80000

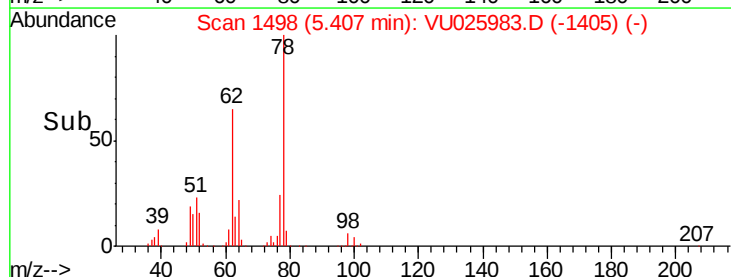
60000

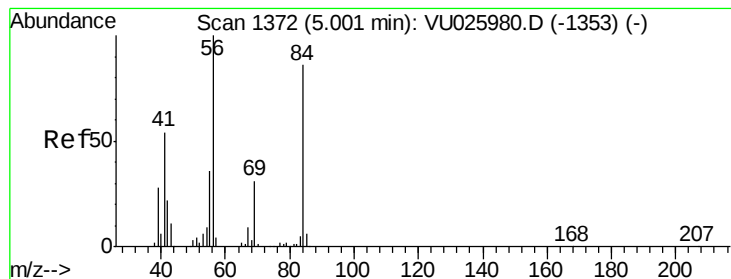
40000

20000

0

Time-->





#29

Cyclohexane

Concen: 51.226 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VICV47

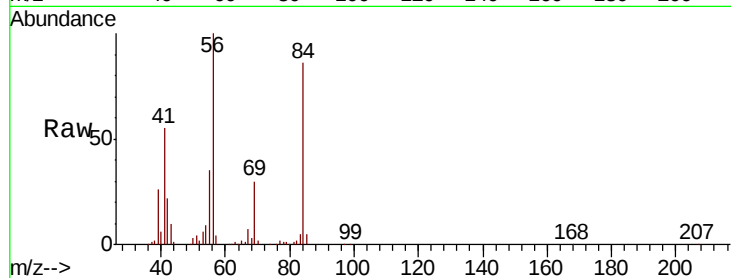
Tgt Ion: 56 Resp: 174017

Ion Ratio Lower Upper

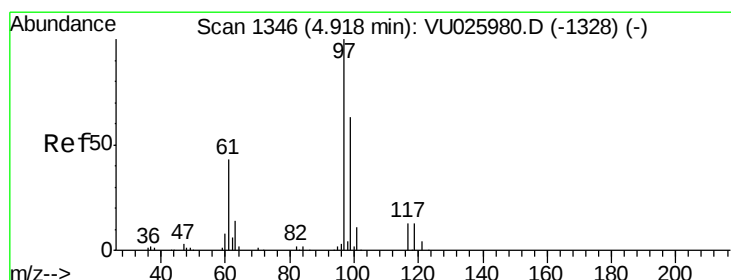
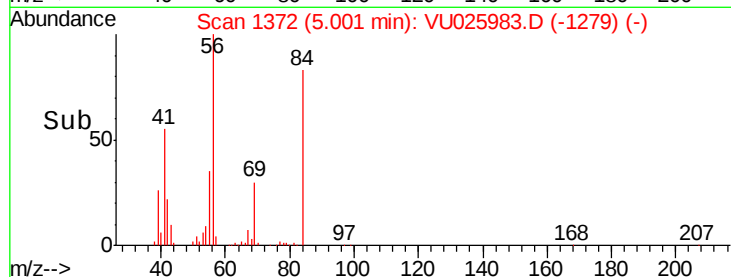
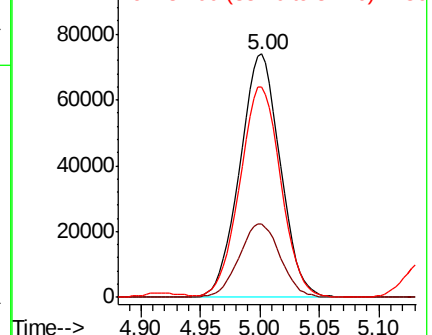
56 100

69 30.9 24.6 37.0

84 88.0 68.6 103.0



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 49.111 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

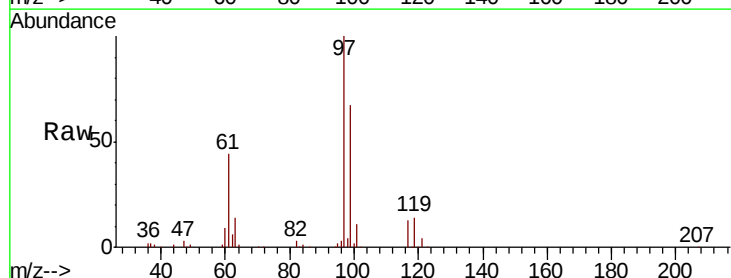
Tgt Ion: 97 Resp: 188337

Ion Ratio Lower Upper

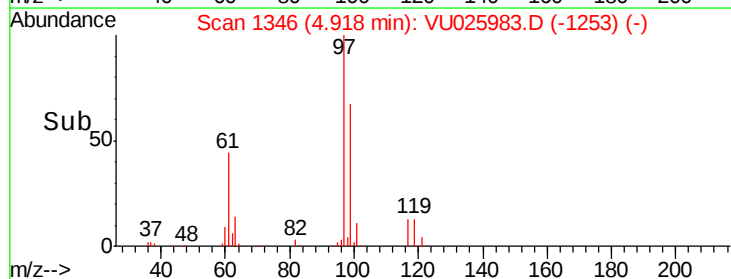
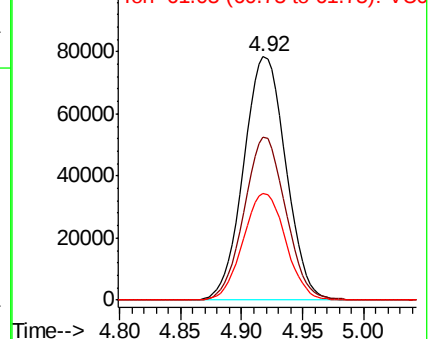
97 100

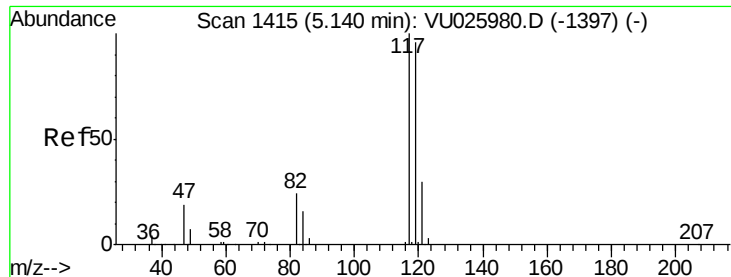
99 65.8 51.8 77.6

61 44.1 34.7 52.1



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

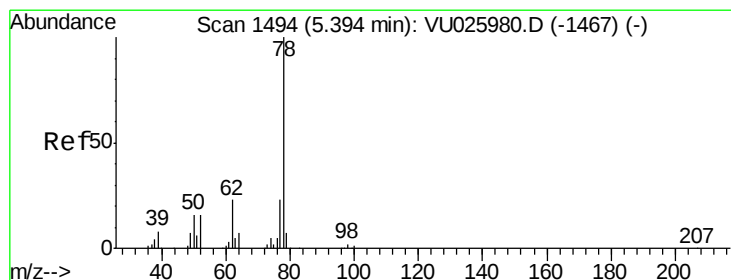
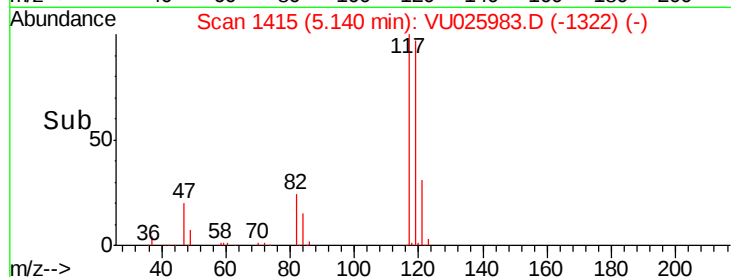
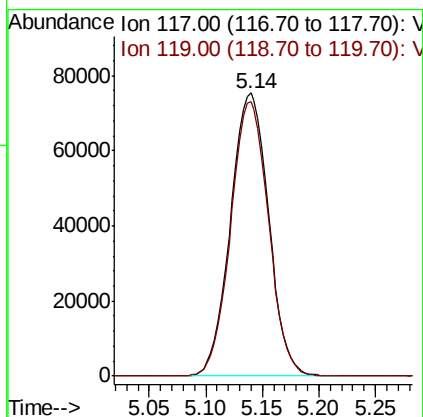
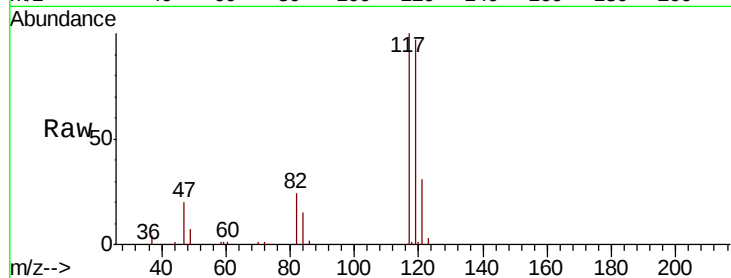




#31
Carbon tetrachloride
Concen: 50.471 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025983.D
Acq: 08 Aug 2018 21:19

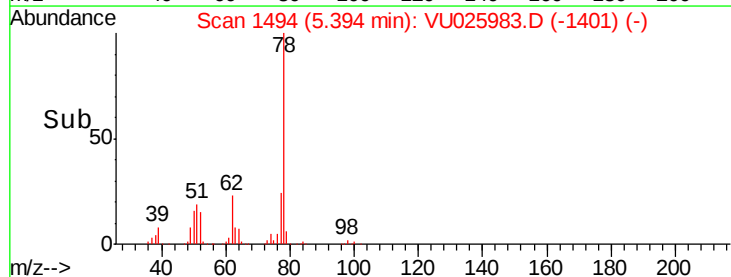
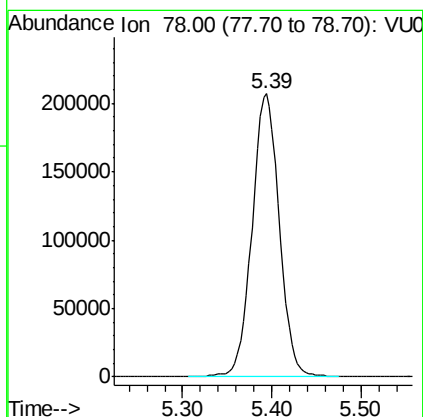
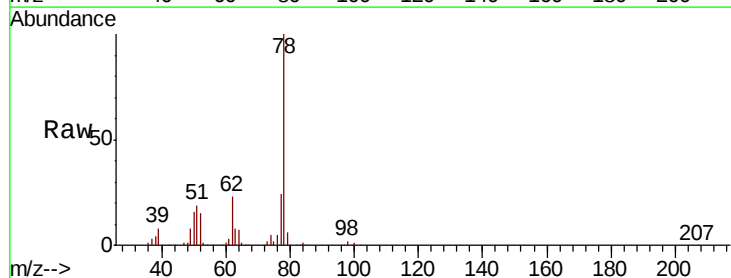
Instrument :
MSVOA_U
ClientSampleId :
VICV47

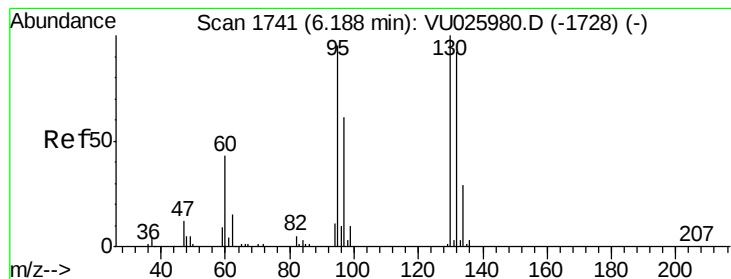
Tgt Ion:117 Resp: 176743
Ion Ratio Lower Upper
117 100
119 96.2 76.3 114.5



#33
Benzene
Concen: 50.672 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025983.D
Acq: 08 Aug 2018 21:19

Tgt Ion: 78 Resp: 438662





#34

Trichloroethene

Concen: 50.704 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VICV47

Tgt Ion: 95 Resp: 114671

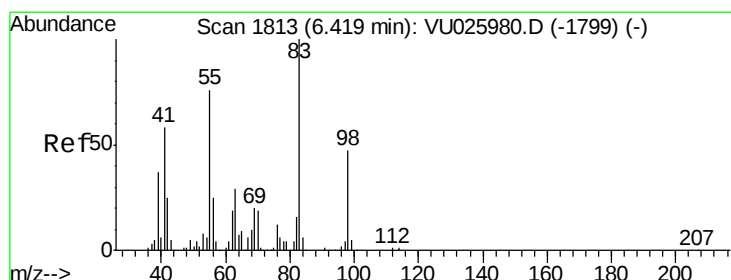
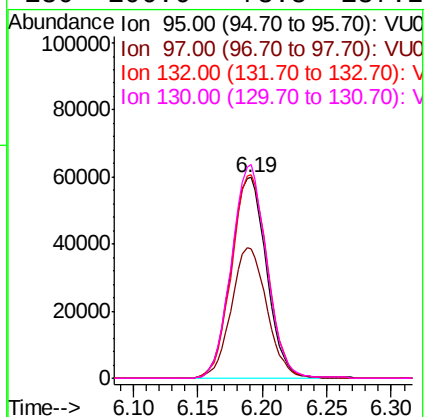
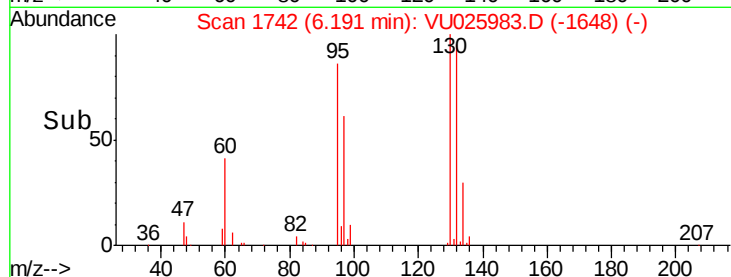
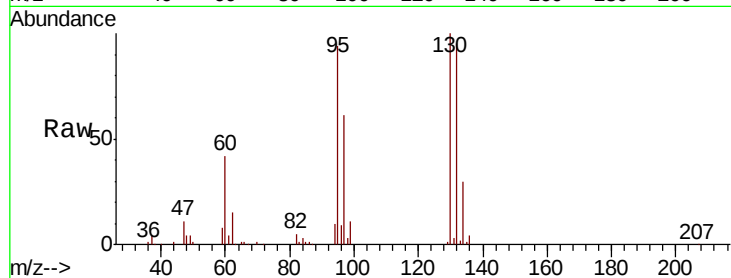
Ion Ratio Lower Upper

95 100

97 64.5 45.2 84.0

132 101.6 68.2 126.6

130 106.6 73.8 137.2



#35

Methylcyclohexane

Concen: 52.764 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

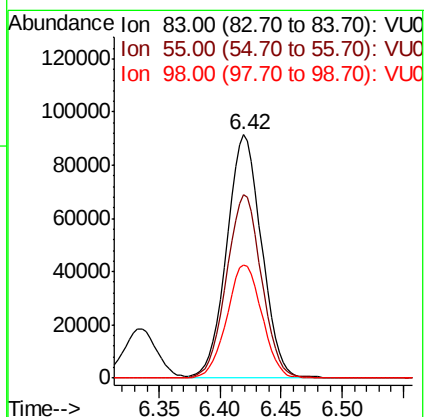
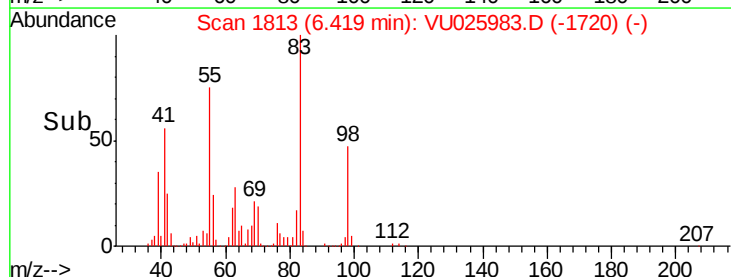
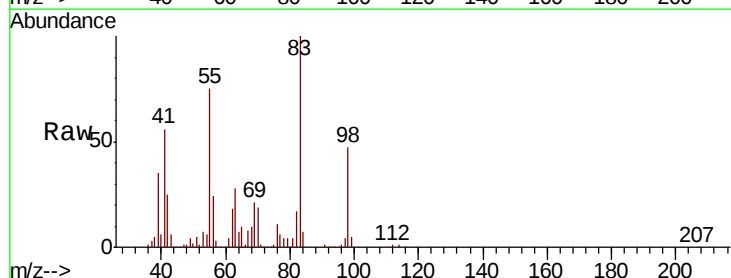
Tgt Ion: 83 Resp: 182207

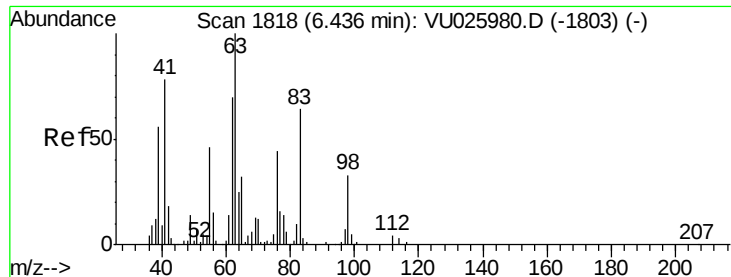
Ion Ratio Lower Upper

83 100

55 75.8 61.0 91.6

98 47.0 38.1 57.1

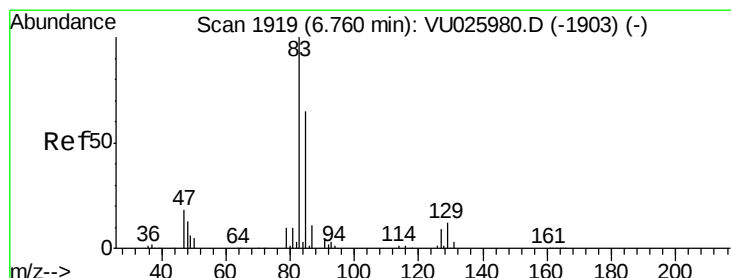
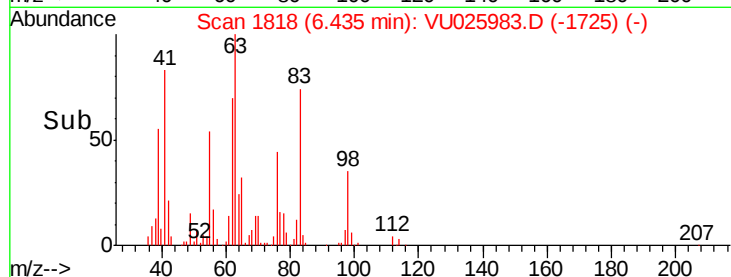
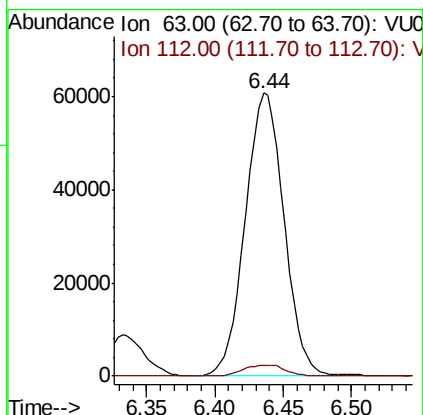
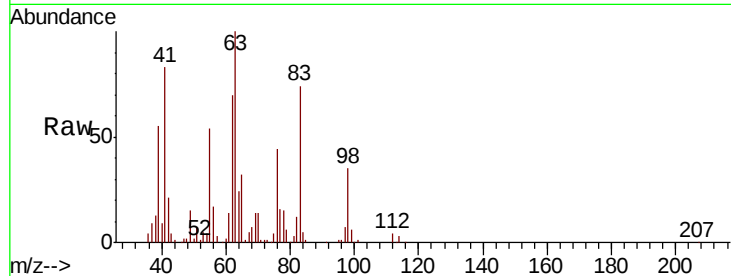




#37
 1,2-Dichloropropane
 Concen: 50.731 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

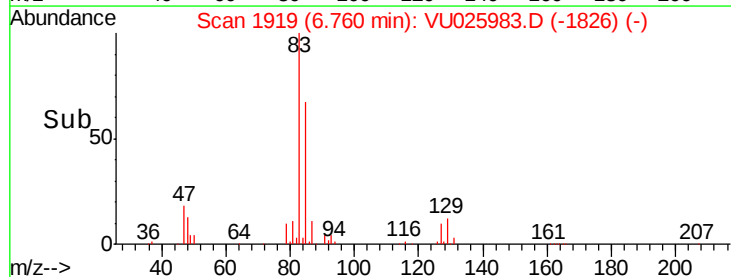
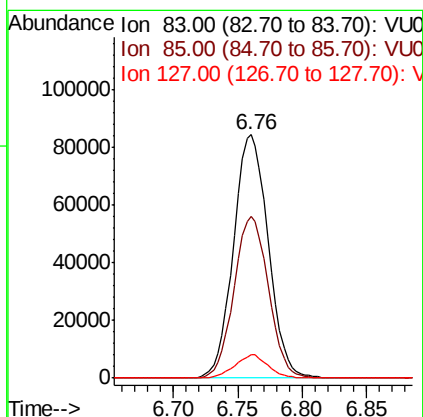
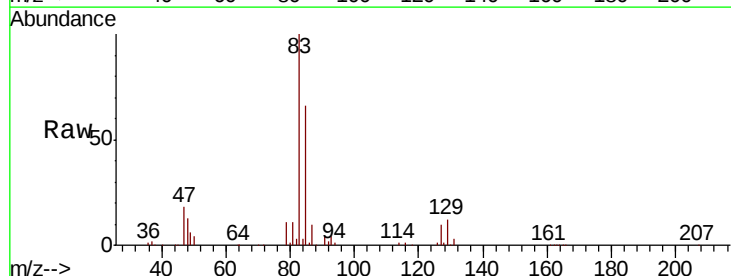
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

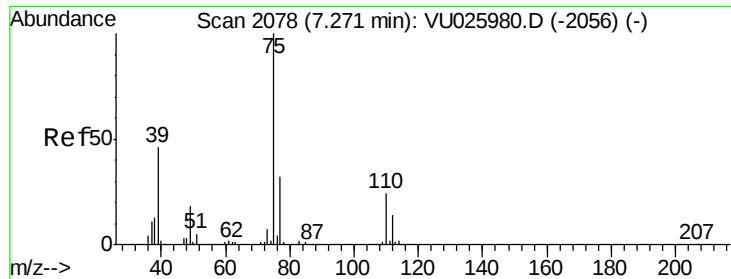
Tgt Ion: 63 Resp: 120167
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 50.230 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

Tgt Ion: 83 Resp: 158511
 Ion Ratio Lower Upper
 83 100
 85 66.4 45.3 84.1
 127 9.6 7.4 11.2

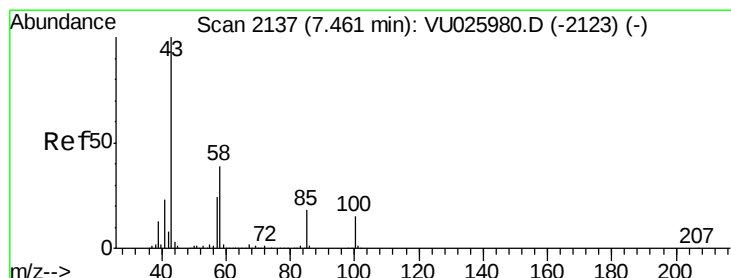
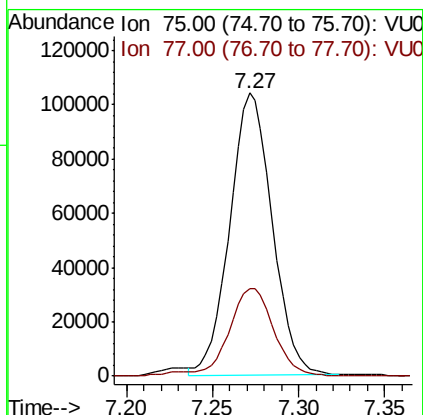
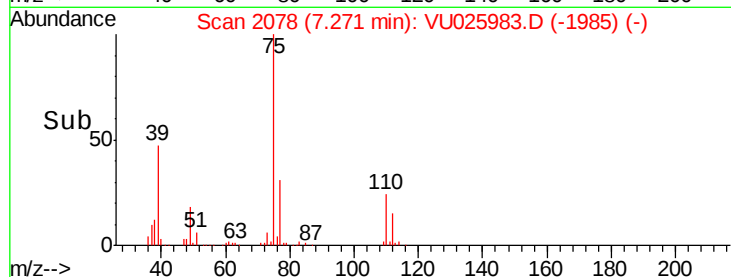
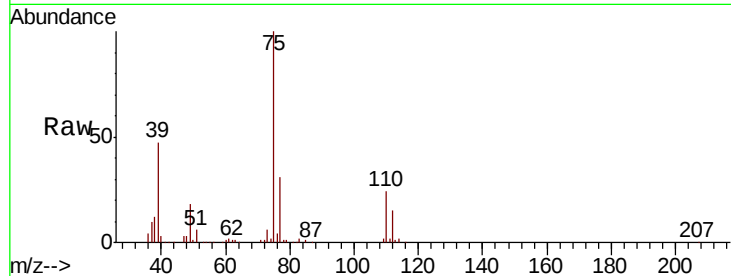




#39
 cis-1,3-Dichloropropene
 Concen: 49.797 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

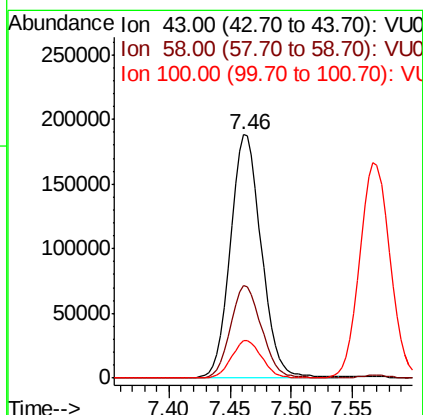
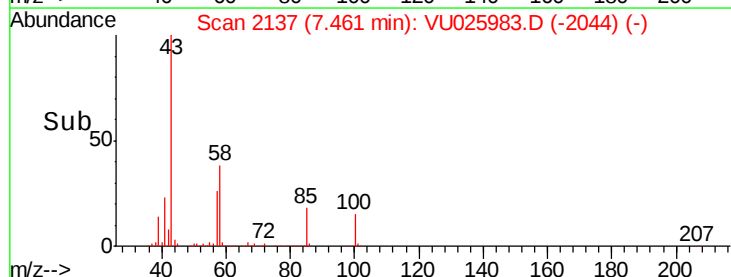
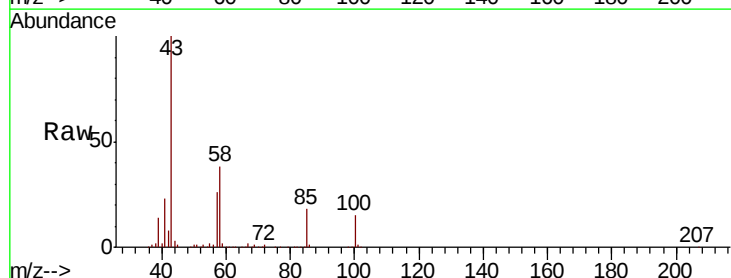
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

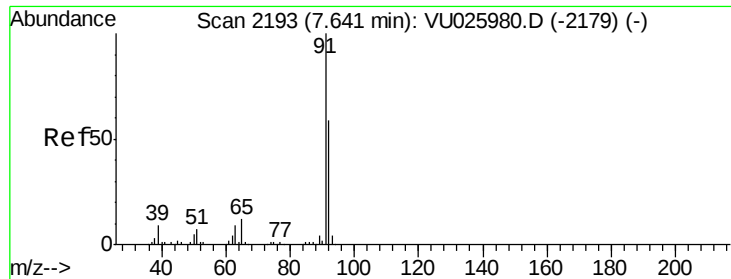
Tgt Ion: 75 Resp: 178769
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 102.568 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

Tgt Ion: 43 Resp: 333819
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.6 46.0
 100 15.1 11.8 17.6





#42

Toluene

Concen: 51.639 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

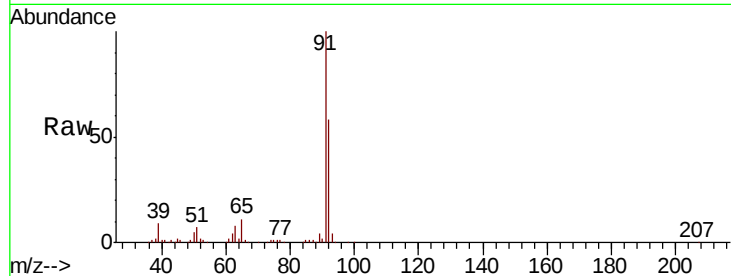
VICV47

Tgt Ion: 91 Resp: 474495

Ion Ratio Lower Upper

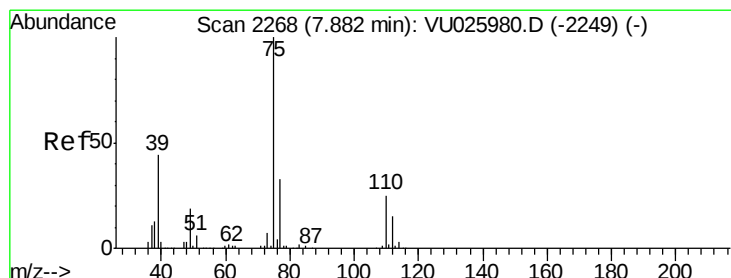
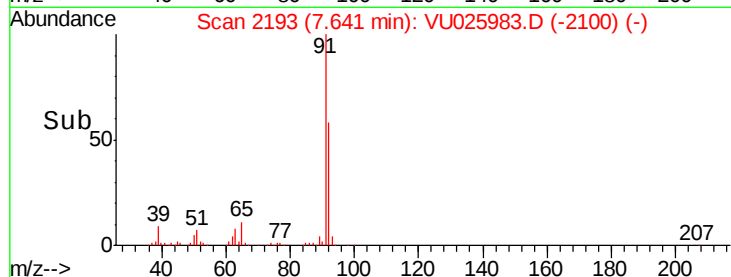
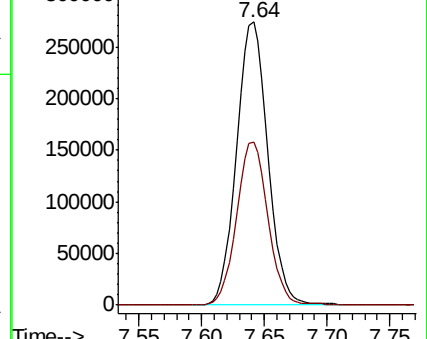
91 100

92 57.8 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 51.196 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025983.D

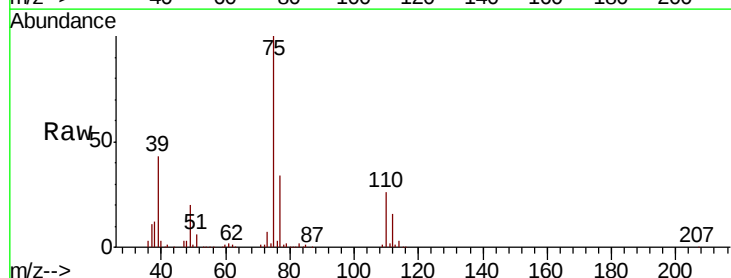
Acq: 08 Aug 2018 21:19

Tgt Ion: 75 Resp: 174939

Ion Ratio Lower Upper

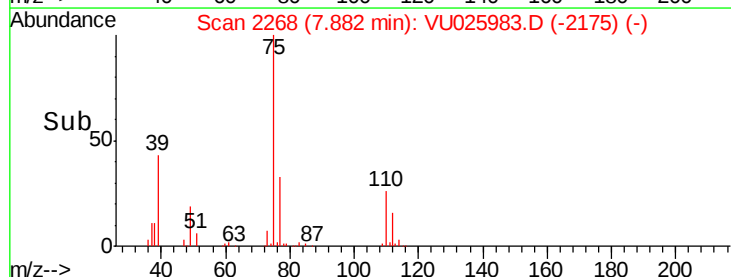
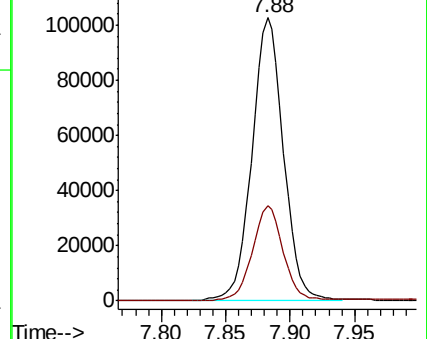
75 100

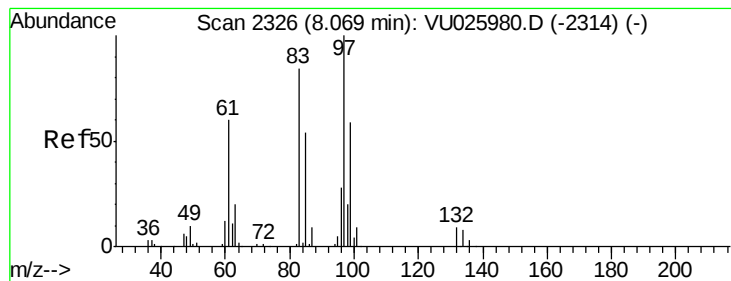
77 33.5 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 50.613 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VICV47

Tgt Ion: 97 Resp: 114299

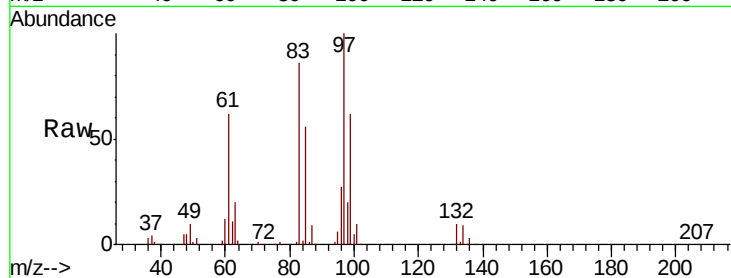
Ion Ratio Lower Upper

97 100

99 61.9 41.6 77.2

83 85.9 59.0 109.6

85 56.4 37.9 70.5



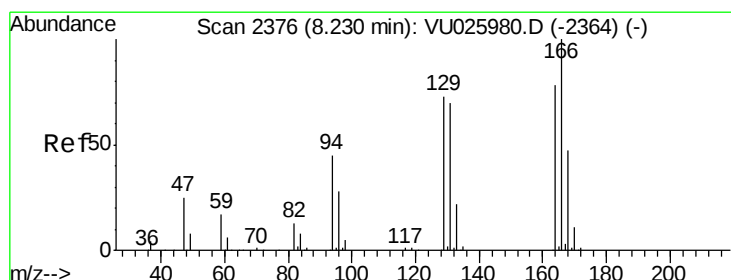
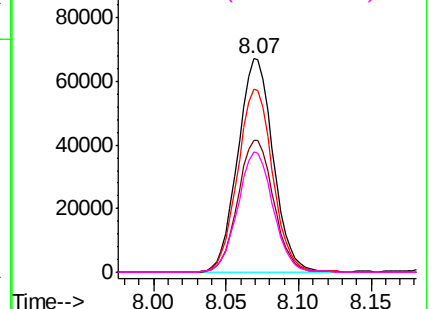
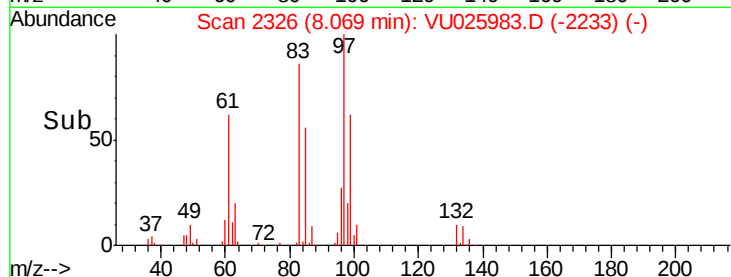
Abundance

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: 51.116 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Tgt Ion: 164 Resp: 98381

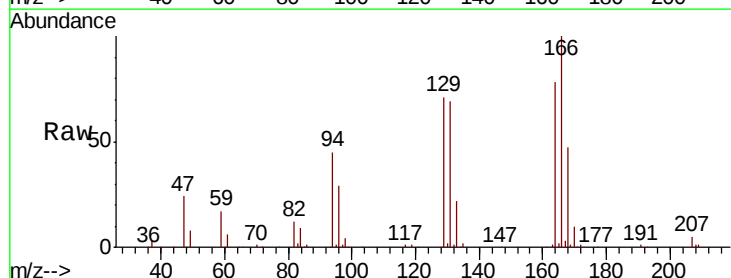
Ion Ratio Lower Upper

164 100

129 91.3 64.8 120.3

131 88.3 62.8 116.6

166 128.1 89.0 165.4



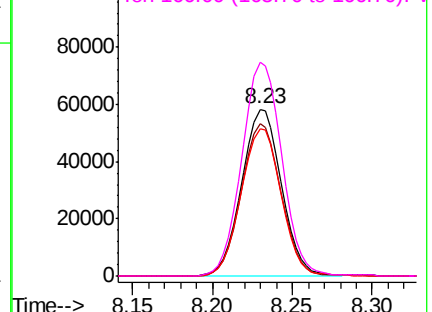
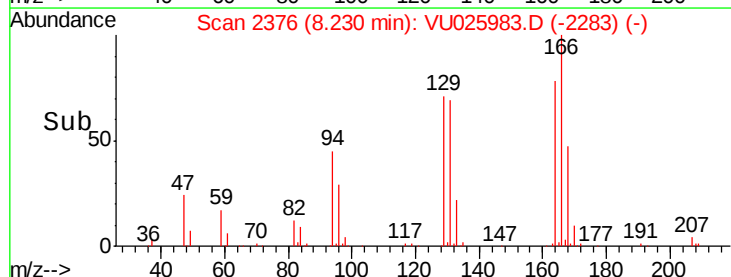
Abundance

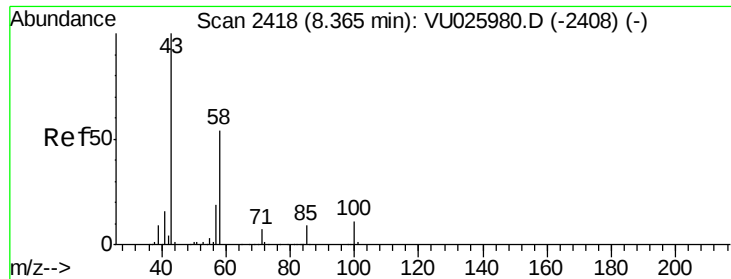
Ion 164.00 (163.70 to 164.70): V

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

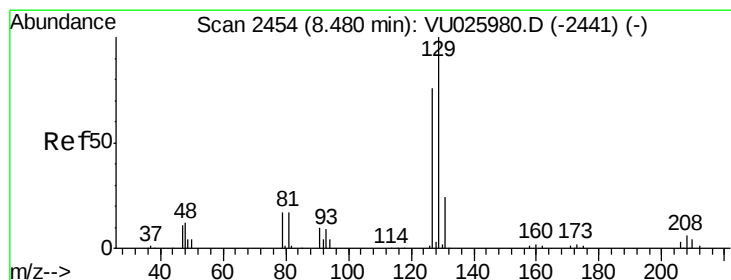
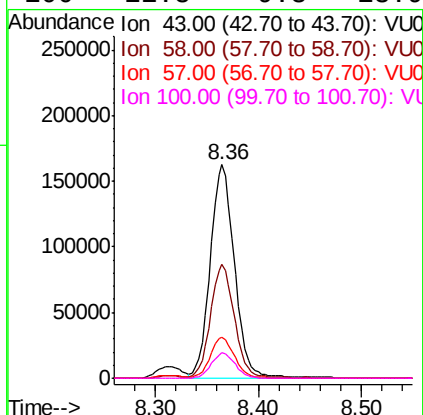
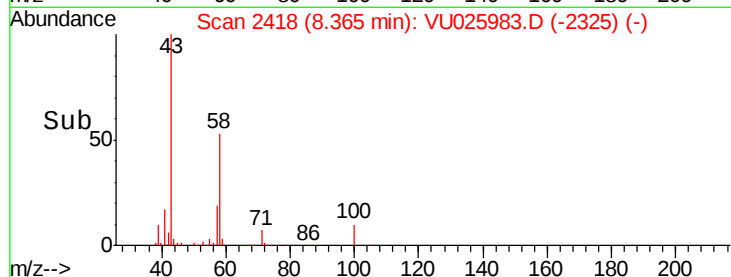
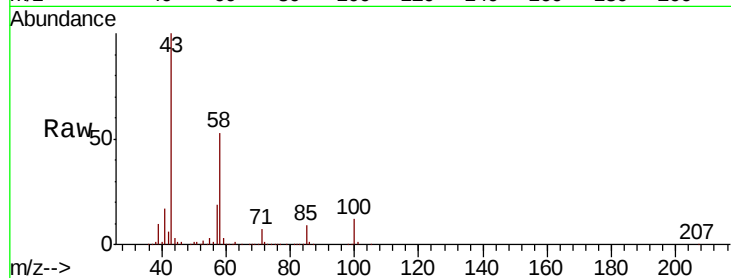




#48
2-Hexanone
Concen: 103.809 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025983.D
Acq: 08 Aug 2018 21:19

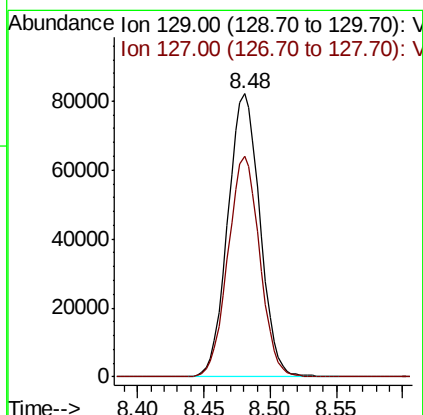
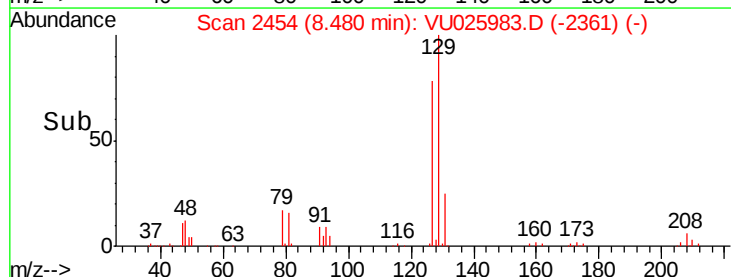
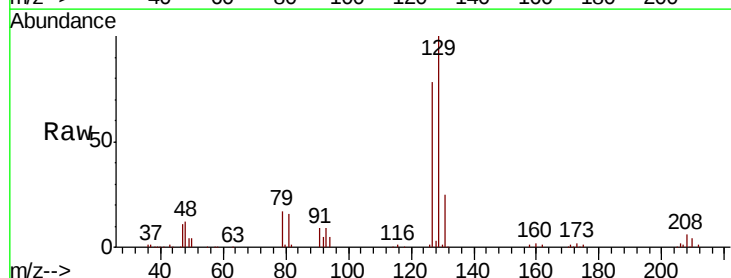
Instrument :
MSVOA_U
ClientSampleId :
VICV47

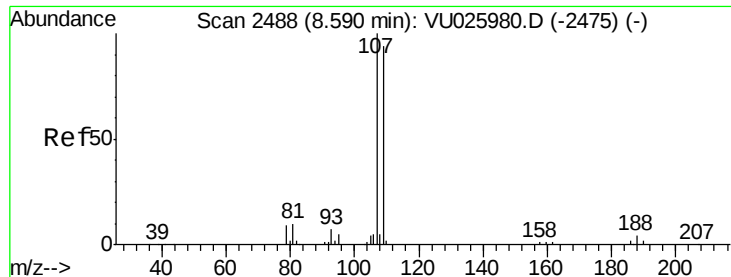
Tgt Ion:	43	Resp:	263216
Ion	Ratio	Lower	Upper
43	100		
58	52.9	43.6	65.4
57	19.3	15.1	22.7
100	11.8	9.3	13.9



#49
Dibromochloromethane
Concen: 50.837 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025983.D
Acq: 08 Aug 2018 21:19

Tgt Ion:	129	Resp:	138440
Ion	Ratio	Lower	Upper
129	100		
127	78.2	53.5	99.3

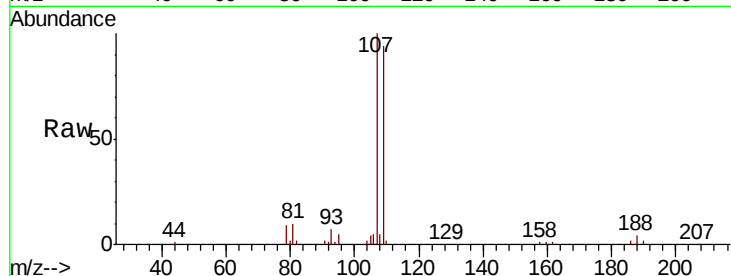




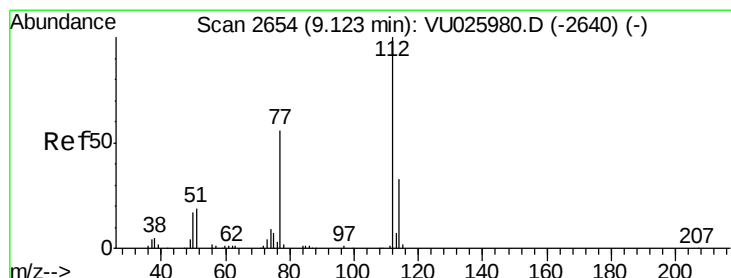
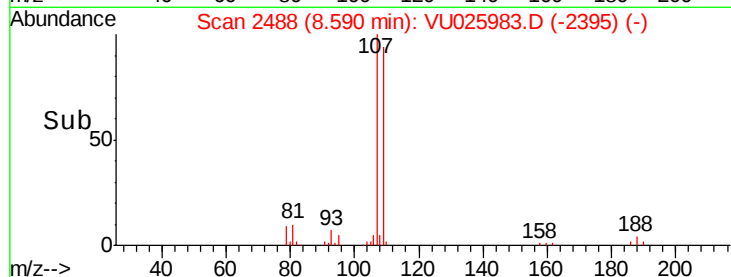
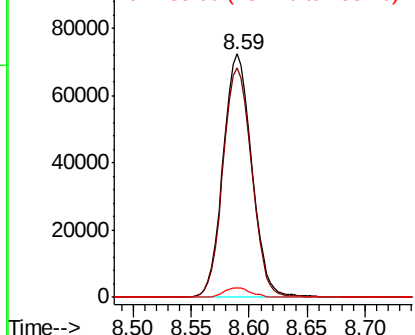
#50
1,2-Dibromoethane
Concen: 50.440 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU025983.D
Acq: 08 Aug 2018 21:19

Instrument :
MSVOA_U
ClientSampleId :
VICV47

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	66.1	122.7
188	3.9	2.9	4.3

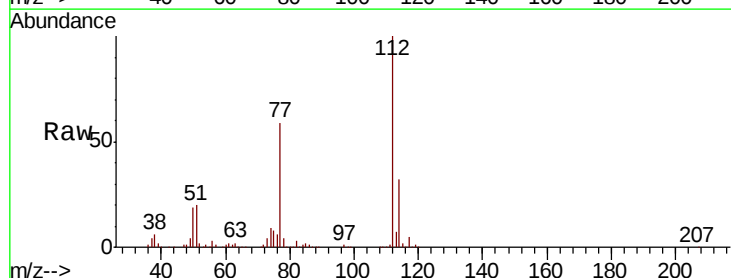


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

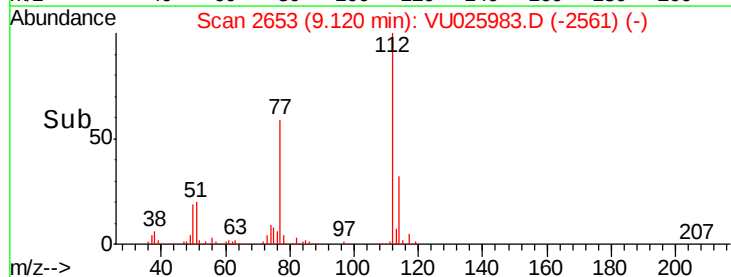
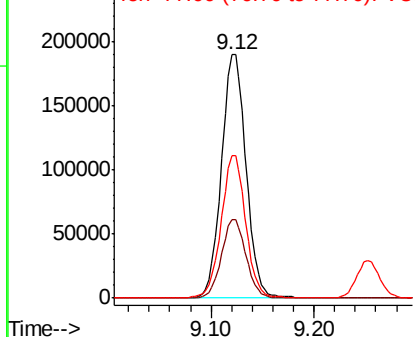


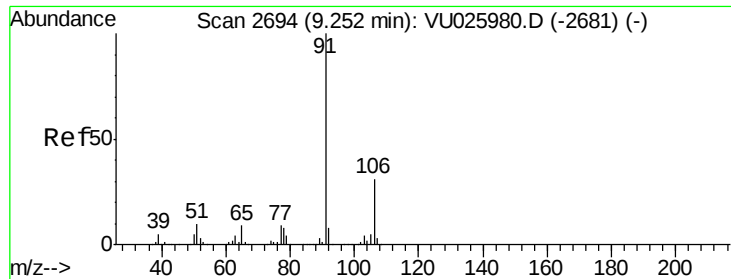
#51
Chlorobenzene
Concen: 50.842 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025983.D
Acq: 08 Aug 2018 21:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.3
77	58.6	45.2	67.8



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





#52

Ethylbenzene

Concen: 51.534 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

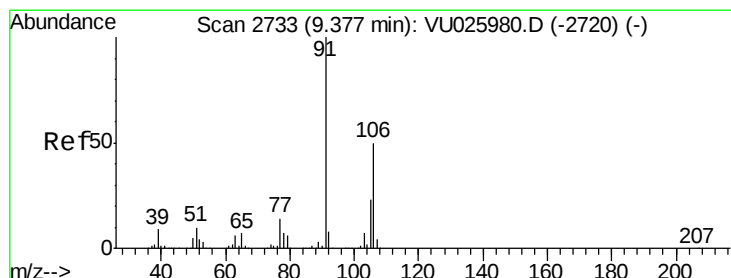
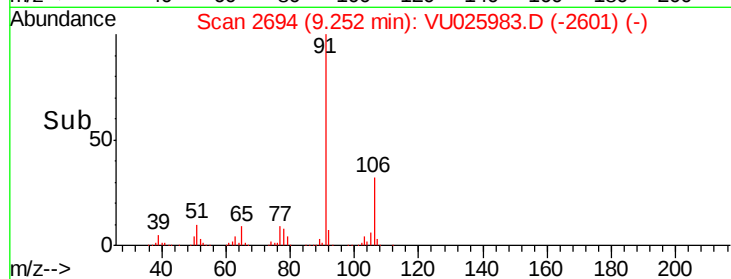
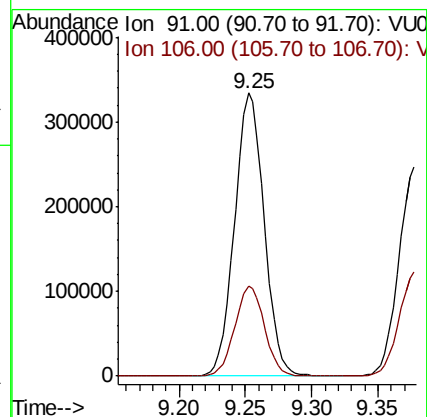
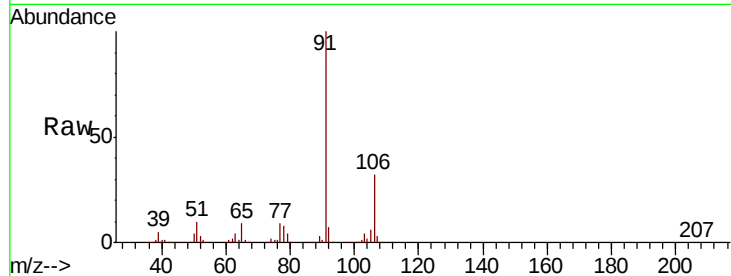
VICV47

Tgt Ion: 91 Resp: 518153

Ion Ratio Lower Upper

91 100

106 31.7 22.0 41.0



#53

m,p-Xylene

Concen: 52.633 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025983.D

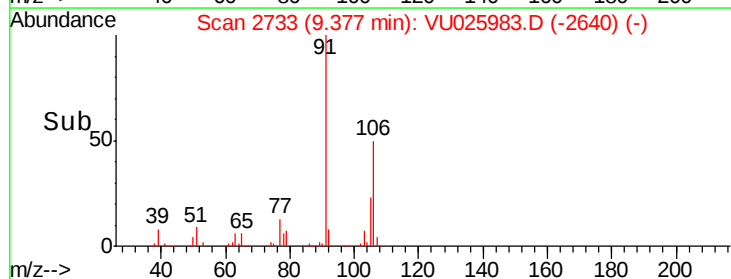
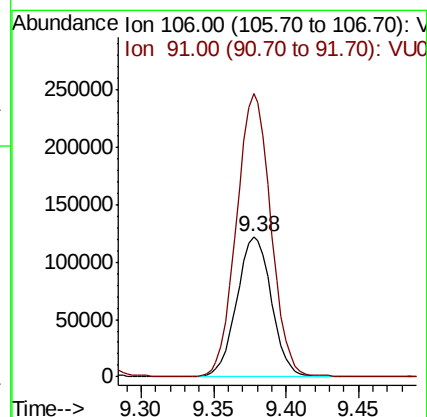
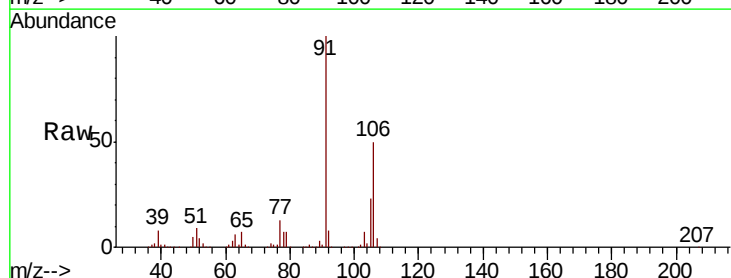
Acq: 08 Aug 2018 21:19

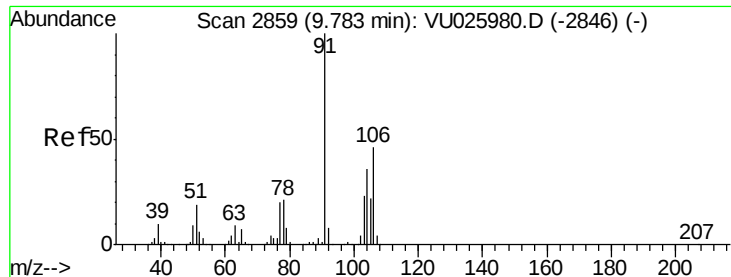
Tgt Ion: 106 Resp: 202215

Ion Ratio Lower Upper

106 100

91 201.7 141.3 262.5





#54

o-xylene

Concen: 52.463 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

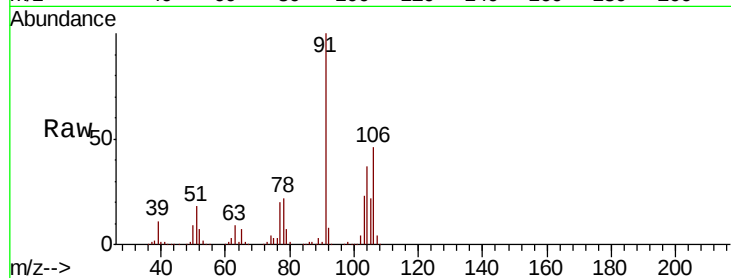
VICV47

Tgt Ion:106 Resp: 200048

Ion Ratio Lower Upper

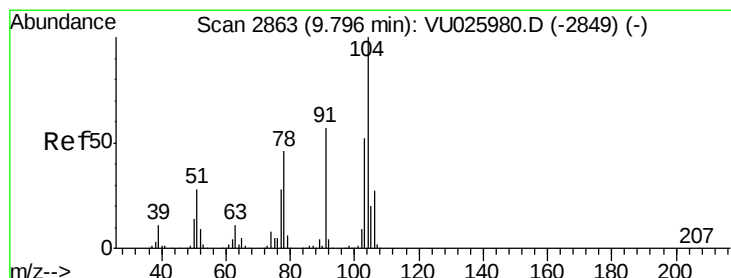
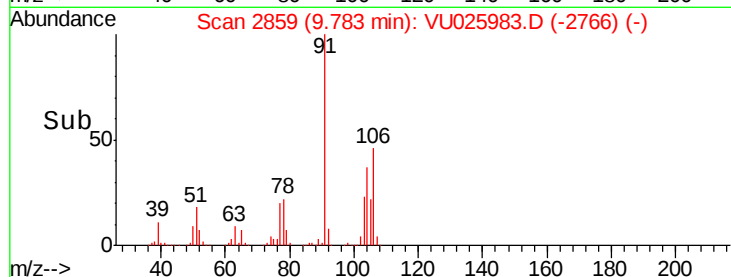
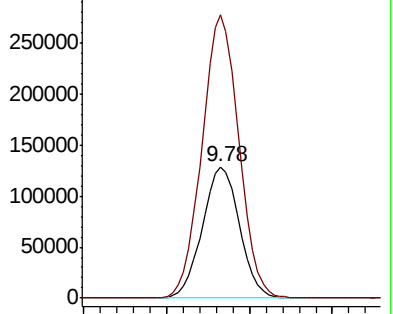
106 100

91 215.3 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.227 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025983.D

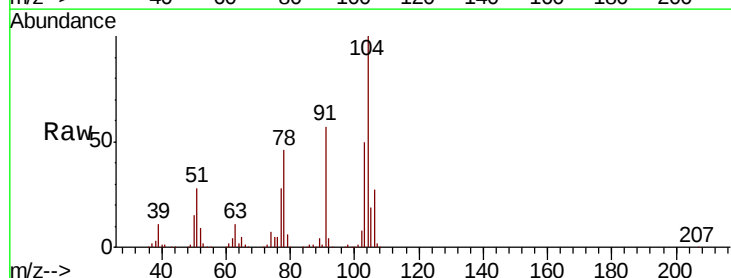
Acq: 08 Aug 2018 21:19

Tgt Ion:104 Resp: 337910

Ion Ratio Lower Upper

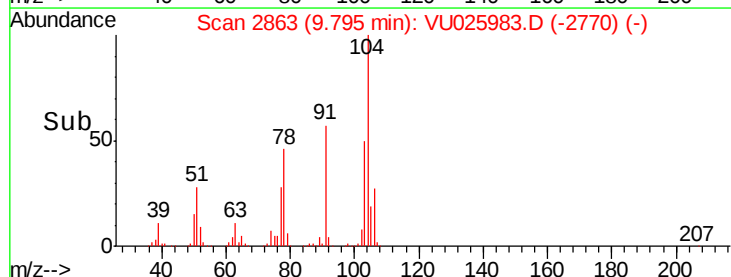
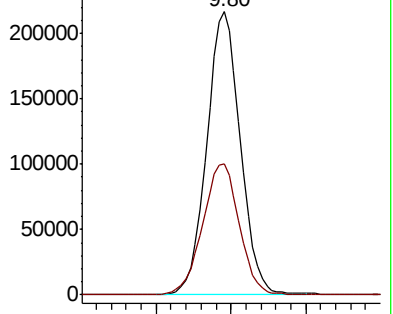
104 100

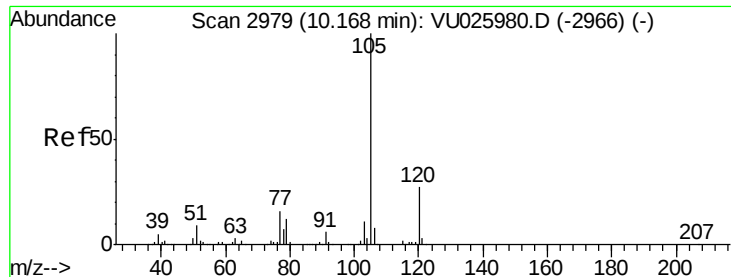
78 46.1 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.117 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VICV47

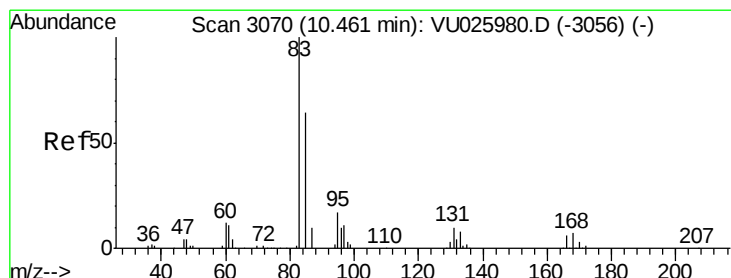
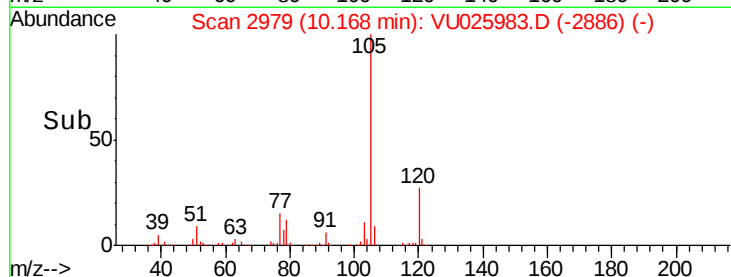
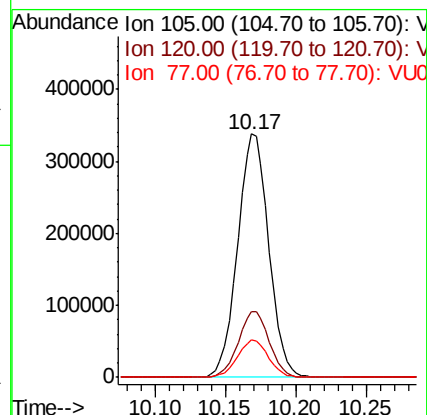
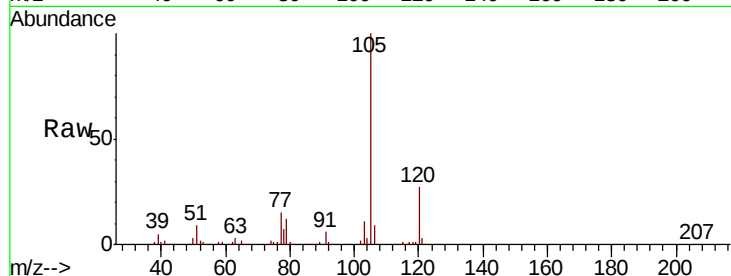
Tgt Ion: 105 Resp: 521784

Ion Ratio Lower Upper

105 100

120 26.8 21.7 32.5

77 15.3 12.6 18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 50.398 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

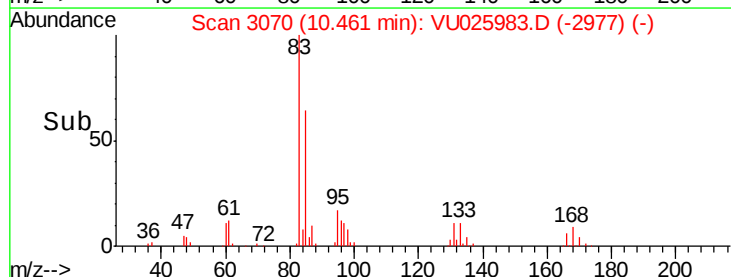
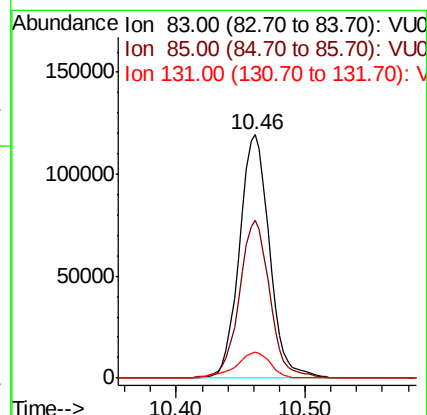
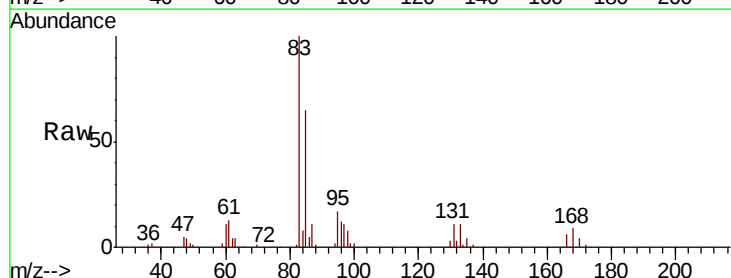
Tgt Ion: 83 Resp: 193433

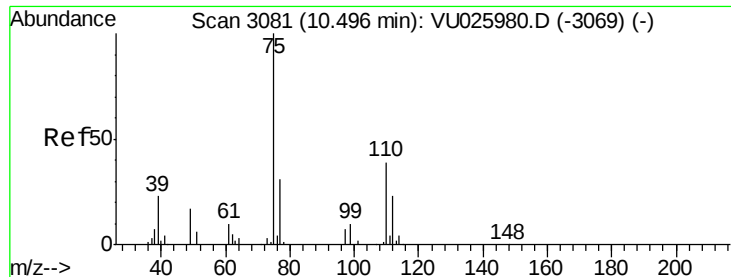
Ion Ratio Lower Upper

83 100

85 64.7 45.0 83.6

131 10.6 8.6 12.8

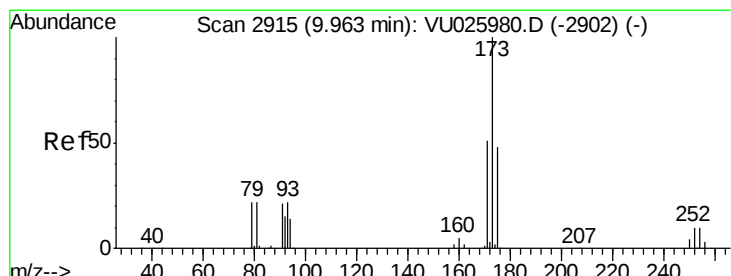
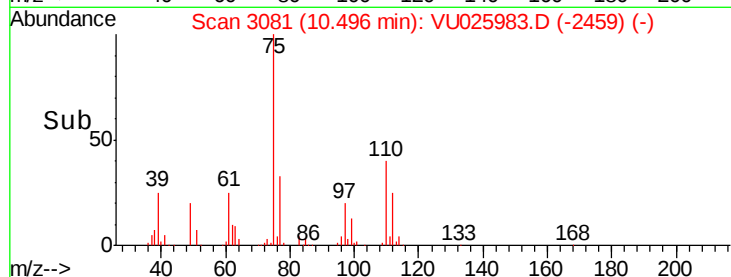
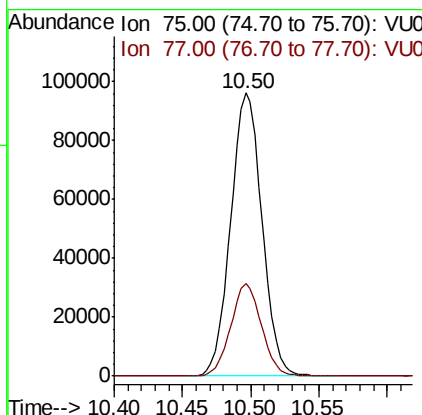
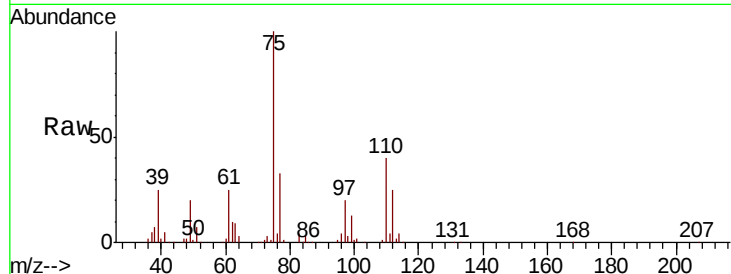




#59
 1,2,3-Trichloropropane
 Concen: 50.190 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

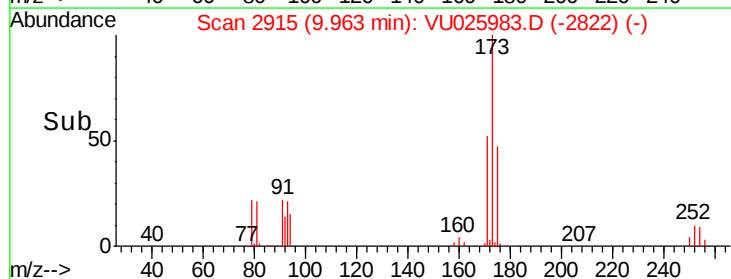
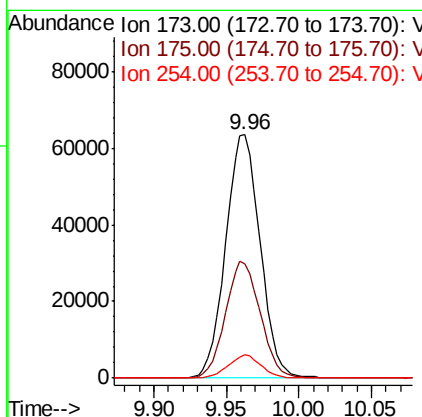
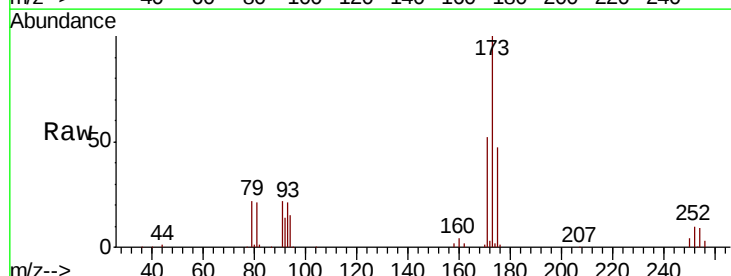
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

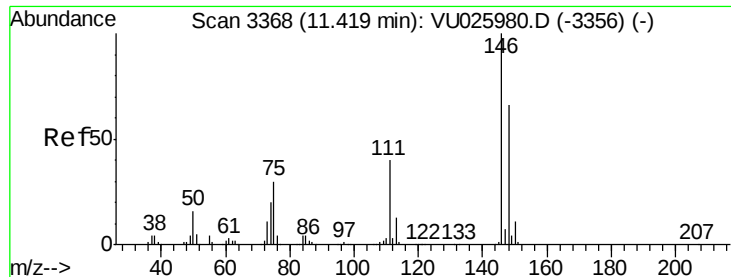
Tgt Ion: 75 Resp: 153330
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9



#61
 Bromoform
 Concen: 50.066 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

Tgt Ion: 173 Resp: 104964
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.9 58.3
 254 8.9 7.4 11.0

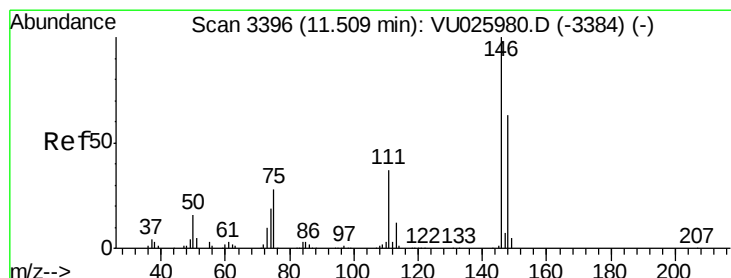
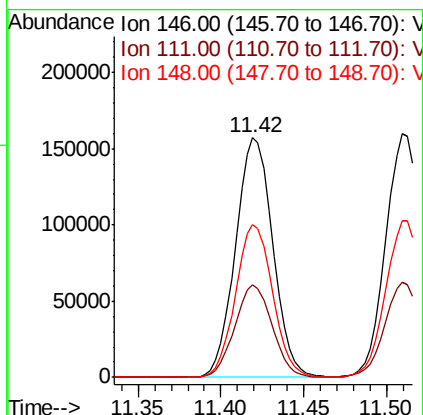
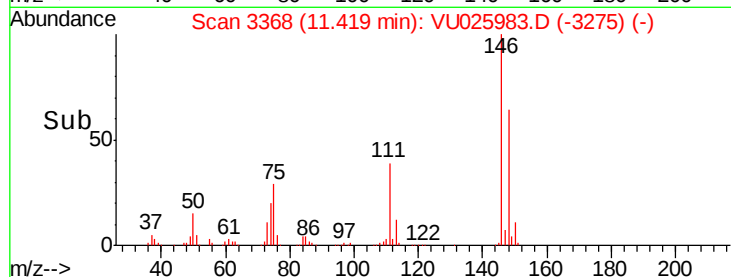
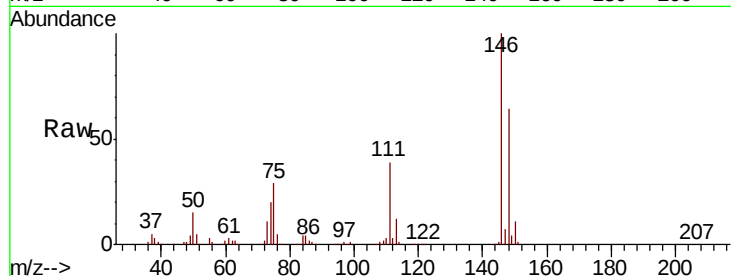




#62
 1,3-Dichlorobenzene
 Concen: 51.122 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

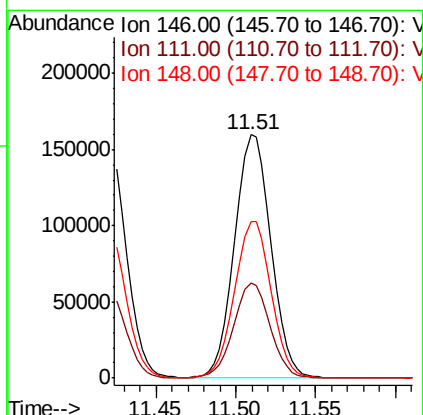
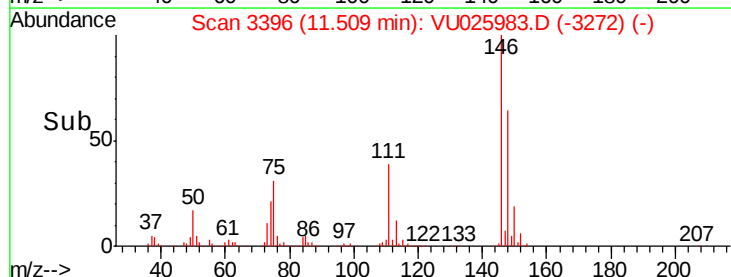
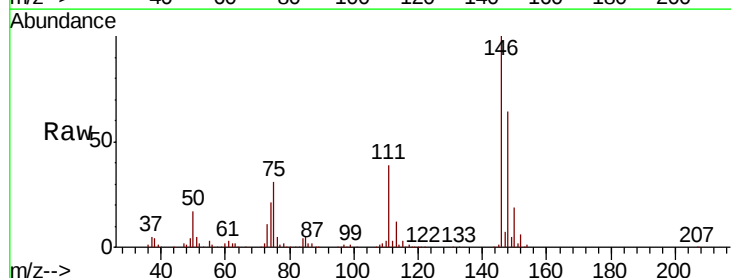
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

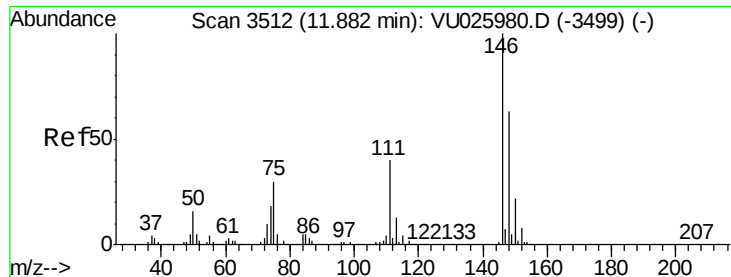
Tgt Ion:146 Resp: 246434
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.9 51.9
 148 64.0 46.0 85.4



#63
 1,4-Dichlorobenzene
 Concen: 48.842 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

Tgt Ion:146 Resp: 246814
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.4 49.0
 148 64.4 43.8 81.4

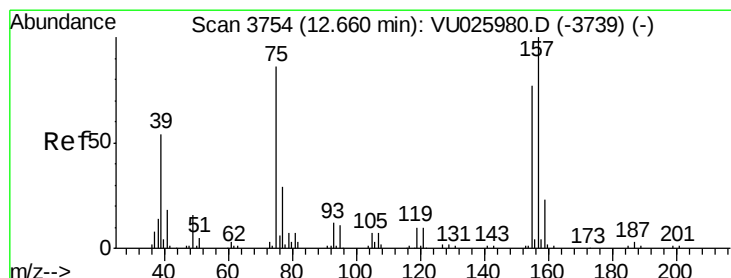
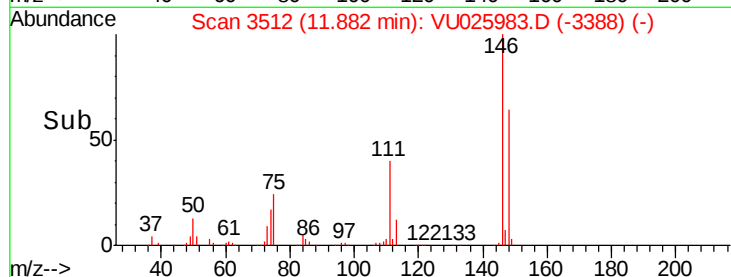
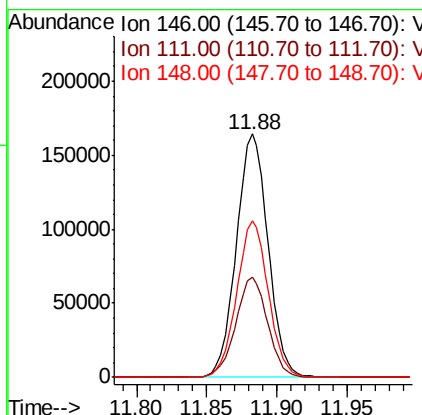
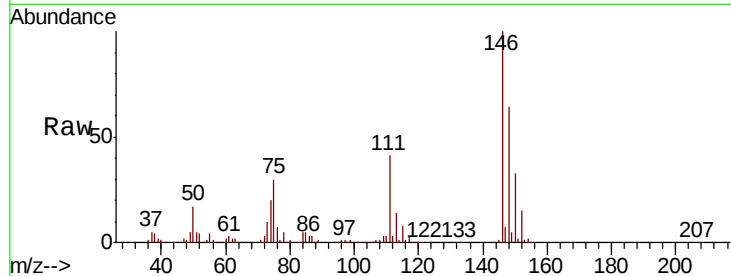




#65
 1,2-Dichlorobenzene
 Concen: 50.450 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

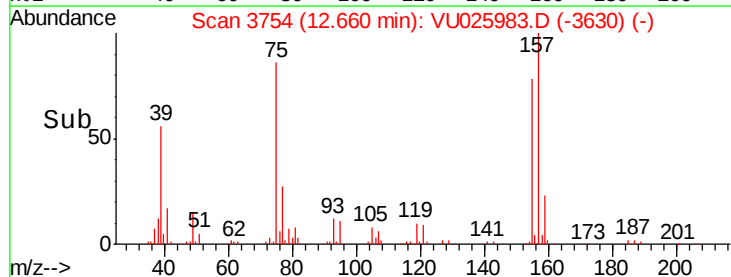
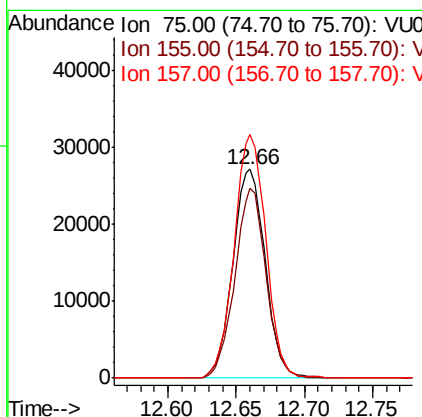
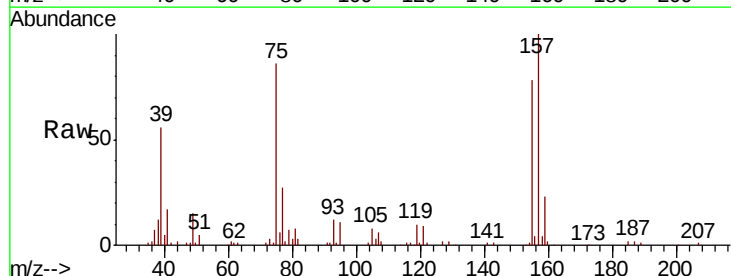
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

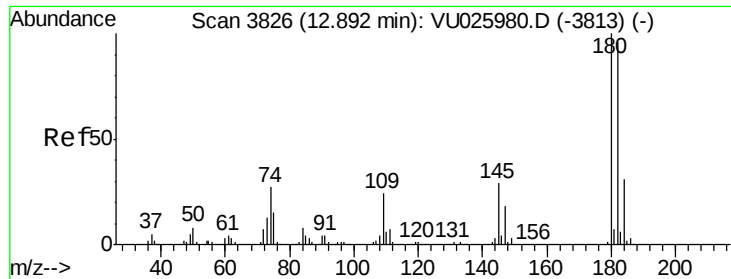
Tgt Ion: 146 Resp: 258864
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.4 48.6
 148 64.3 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.604 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

Tgt Ion: 75 Resp: 44673
 Ion Ratio Lower Upper
 75 100
 155 91.2 71.8 107.8
 157 116.7 93.0 139.6

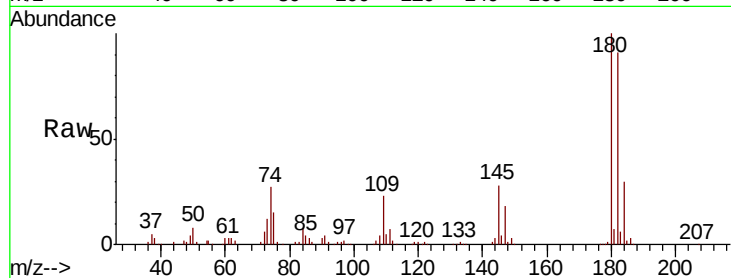




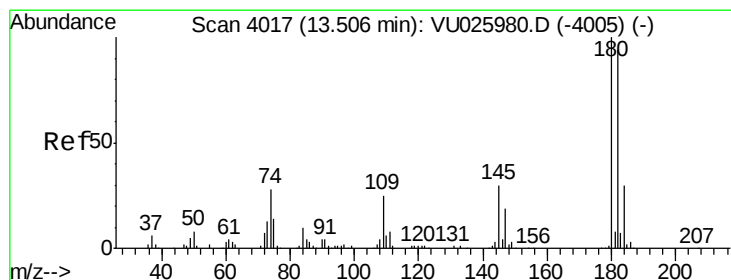
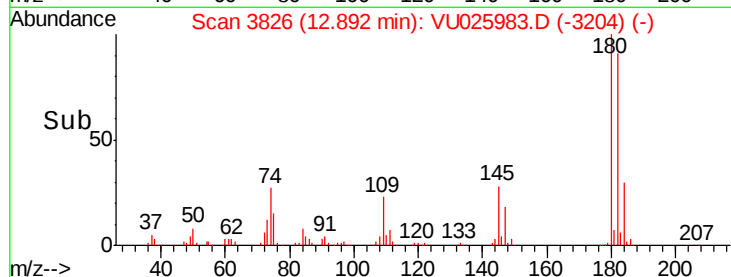
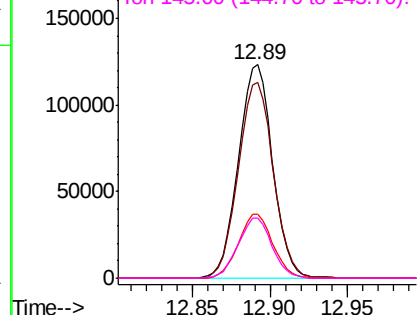
#67
 1,3,5-Trichlorobenzene
 Concen: 52.521 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Tgt Ion:	180	Resp:	189223
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.5	114.7
184	30.1	24.3	36.5
145	27.9	23.5	35.3

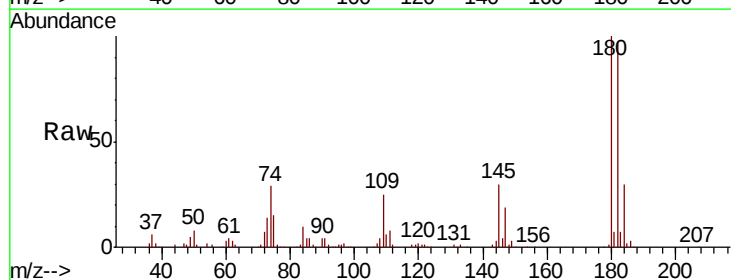


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

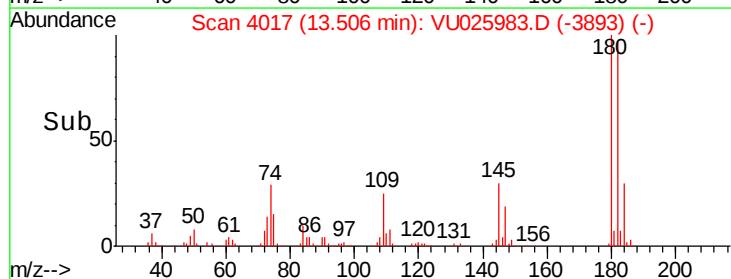
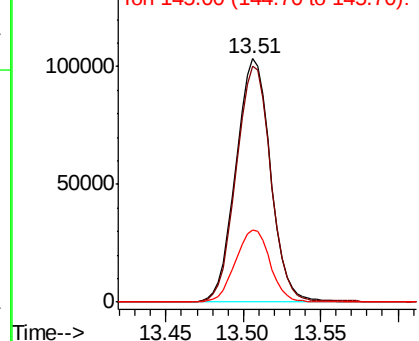


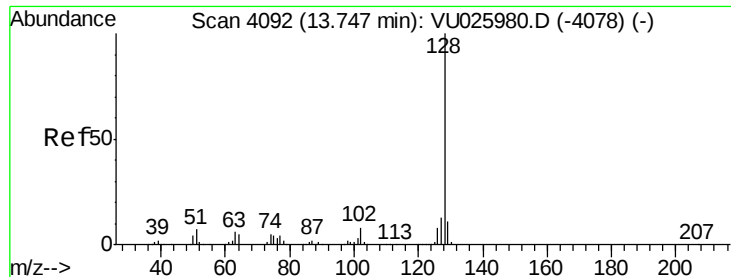
#68
 1,2,4-trichlorobenzene
 Concen: 52.846 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025983.D
 Acq: 08 Aug 2018 21:19

Tgt Ion:	180	Resp:	161005
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.5	114.7
145	29.5	24.2	36.4



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





#69

Naphthalene

Concen: 54.940 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

Instrument :

MSVOA_U

ClientSampleId :

VICV47

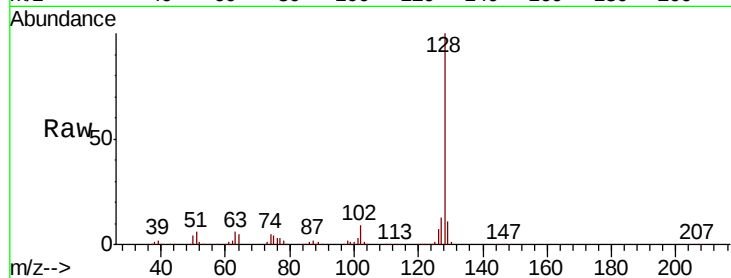
Tgt Ion:128 Resp: 540003

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

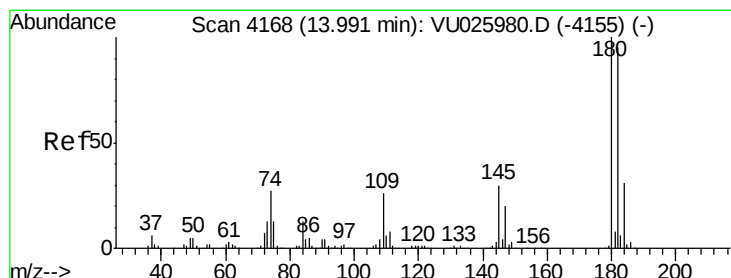
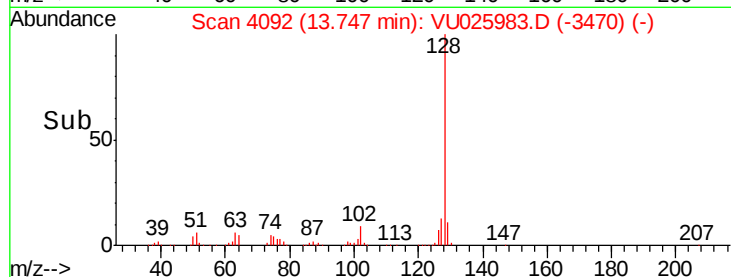
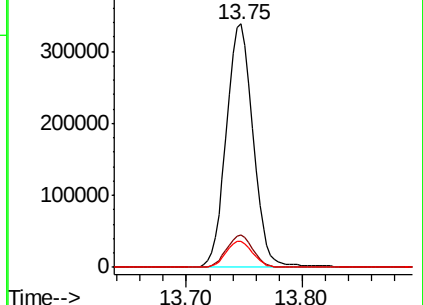
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.566 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU025983.D

Acq: 08 Aug 2018 21:19

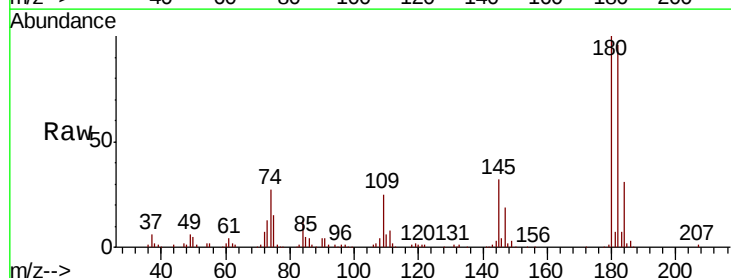
Tgt Ion:180 Resp: 175406

Ion Ratio Lower Upper

180 100

182 96.7 76.5 114.7

145 31.5 24.7 37.1



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

