

Data File : VU033694.D
Acq On : 09 Aug 2019 19:22
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV31

Quant Time: Aug 10 04:22:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:16:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	437859	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	414736	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	219773	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	157590	48.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.78%
7) Chloroethane-d5	1.67	69	121882	37.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.46%
11) 1,1-Dichloroethene-d2	2.26	63	264500	48.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.60%
21) 2-Butanone-d5	4.17	46	214144	107.17	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.17%
24) Chloroform-d	4.62	84	237986	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.29	65	145151	48.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.96%
32) Benzene-d6	5.32	84	491117	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.36%
36) 1,2-Dichloropropane-d6	6.31	67	149638	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.64%
41) Toluene-d8	7.55	98	463171	50.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.62%
43) trans-1,3-Dichloropropene-	7.83	79	76331	50.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.64%
47) 2-Hexanone-d5	8.30	63	169248	108.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.79%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	223340	50.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.52%
64) 1,2-Dichlorobenzene-d4	11.84	152	184790	49.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	151003	47.274 ug/L	99
3) Chloromethane	1.32	50	155324	46.948 ug/L	100
5) Vinyl chloride	1.39	62	176539	47.895 ug/L	98
6) Bromomethane	1.62	94	112724	37.695 ug/L	99
8) Chloroethane	1.69	64	109772	39.120 ug/L	97
9) Trichlorofluoromethane	1.87	101	257202	51.460 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	123856	47.252 ug/L	99
12) 1,1-Dichloroethene	2.27	96	121342	47.128 ug/L	89
13) Acetone	2.33	43	171775	85.499 ug/L	99
14) Carbon disulfide	2.46	76	346179	47.895 ug/L	100
15) Methyl Acetate	2.61	43	161300	48.186 ug/L	99
16) Methylene chloride	2.68	84	140143	46.909 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	128935	46.723 ug/L	100
18) Methyl tert-butyl Ether	2.98	73	429541	47.591 ug/L	100
19) 1,1-Dichloroethane	3.42	63	243939	46.842 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	149040	47.350 ug/L	97
22) 2-Butanone	4.25	43	251149	100.437 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	79743	49.238	ug/L	97
25) Chloroform	4.65	83	252936	46.561	ug/L	99
27) 1,2-Dichloroethane	5.38	62	195408	47.230	ug/L	98
29) Cyclohexane	4.97	56	208432	47.625	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	215635	47.914	ug/L	99
31) Carbon tetrachloride	5.11	117	193022	47.803	ug/L	99
33) Benzene	5.37	78	545149	47.233	ug/L	100
34) Trichloroethene	6.16	95	144436	47.428	ug/L	97
35) Methylcyclohexane	6.39	83	224511	48.431	ug/L	100
37) 1,2-Dichloropropane	6.41	63	145637	47.281	ug/L	100
38) Bromodichloromethane	6.74	83	189861	47.970	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	239468	48.921	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	457925	99.963	ug/L	100
42) Toluene	7.62	91	601424	48.167	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	216719	49.698	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	141477	46.984	ug/L	98
46) Tetrachloroethene	8.21	164	121826	48.528	ug/L	96
48) 2-Hexanone	8.34	43	368008	102.025	ug/L	99
49) Dibromochloromethane	8.46	129	164613	48.789	ug/L	99
50) 1,2-Dibromoethane	8.57	107	160566	48.229	ug/L	98
51) Chlorobenzene	9.10	112	392724	47.848	ug/L	100
52) Ethylbenzene	9.23	91	660739	48.374	ug/L	100
53) m,p-Xylene	9.36	106	253729	48.664	ug/L	99
54) o-xylene	9.76	106	250225	48.555	ug/L	98
55) Styrene	9.77	104	426680	49.340	ug/L	99
56) Isopropylbenzene	10.15	105	654487	48.395	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	254112	48.039	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	199856	47.995	ug/L	99
61) Bromoform	9.94	173	130298	49.389	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	327402	48.936	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	329918	48.684	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	322723	48.793	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	62582	50.083	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	267728	50.286	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	251699	52.255	ug/L	98
69) Naphthalene	13.73	128	775997	53.787	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	259450	52.103	ug/L	97

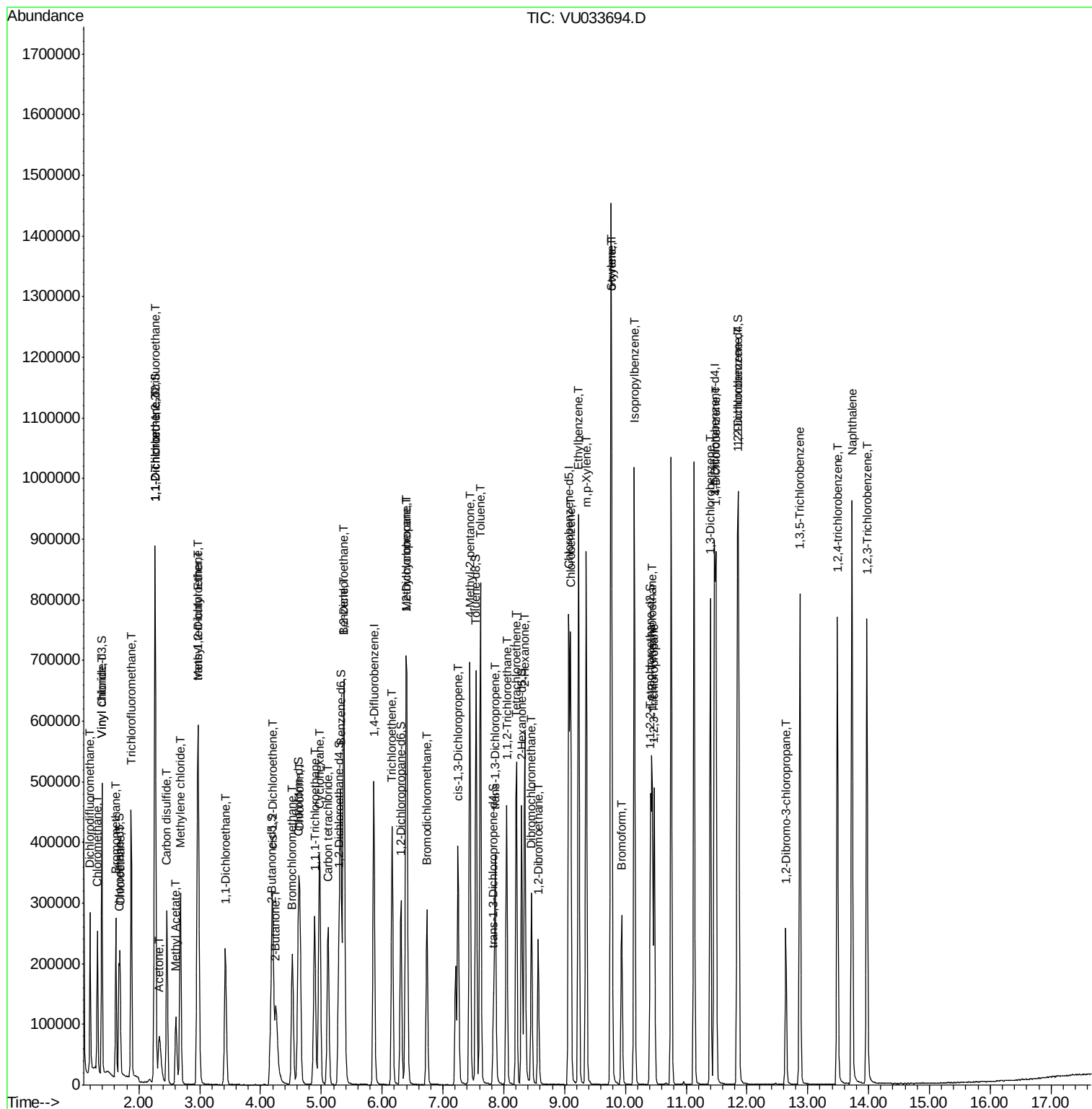
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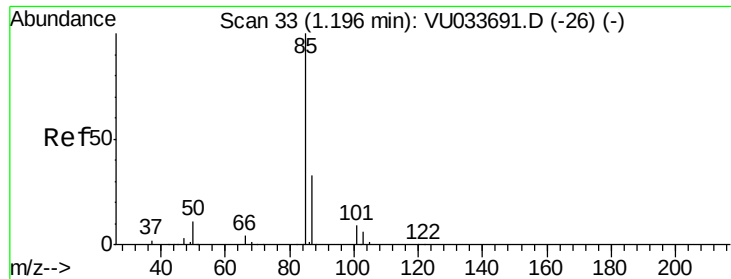
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#2

Dichlorodifluoromethane

Concen: 47.274 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

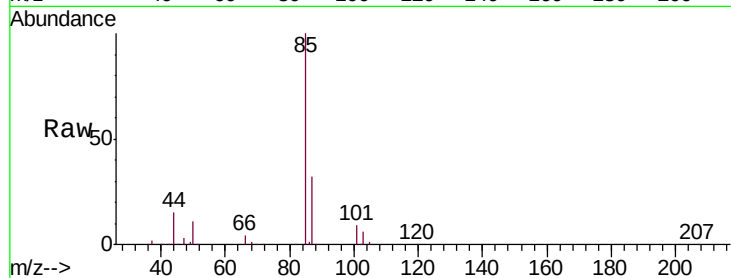
VICV31

Tgt Ion: 85 Resp: 151003

Ion Ratio Lower Upper

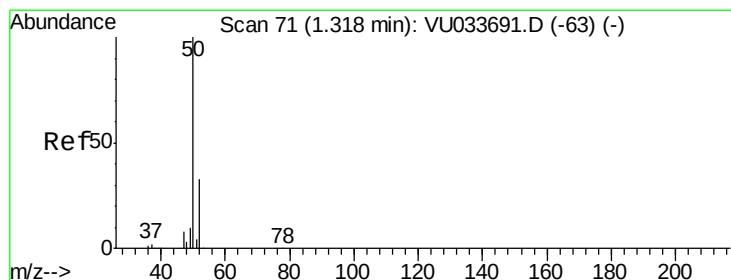
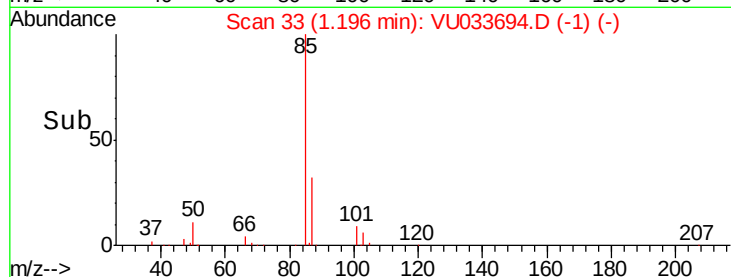
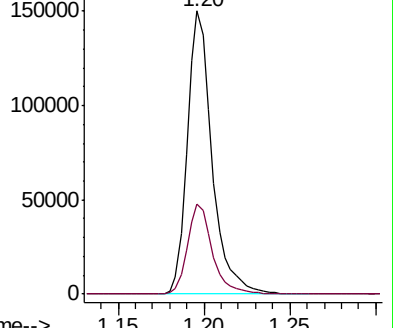
85 100

87 32.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU033691.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033691.D (-26) (-)



#3

Chloromethane

Concen: 46.948 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033694.D

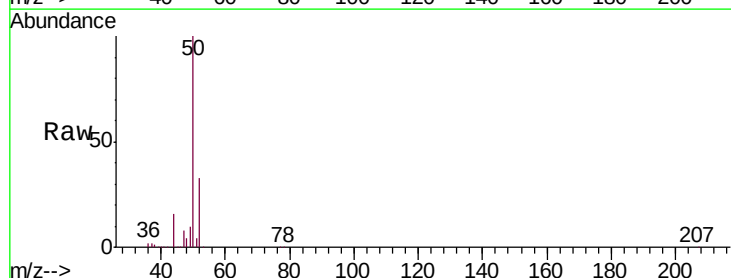
Acq: 09 Aug 2019 19:22

Tgt Ion: 50 Resp: 155324

Ion Ratio Lower Upper

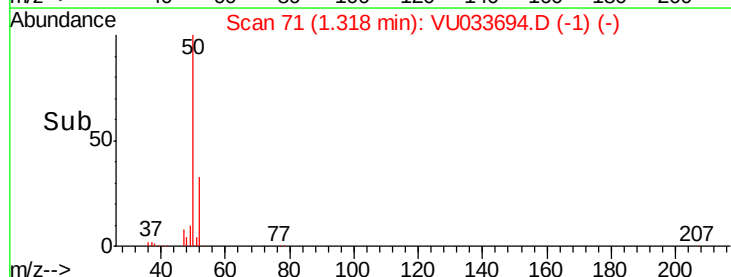
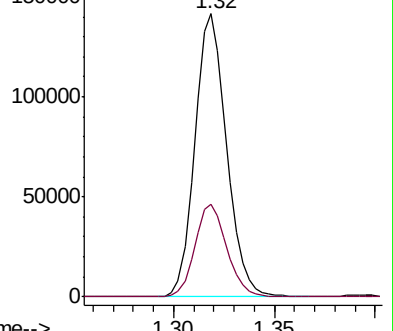
50 100

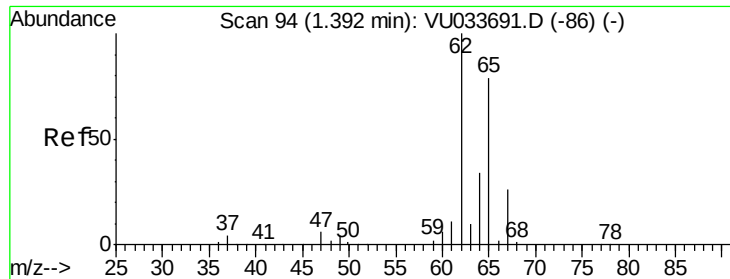
52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU033691.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU033691.D (-63) (-)





#5

Vinyl chloride

Concen: 47.895 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

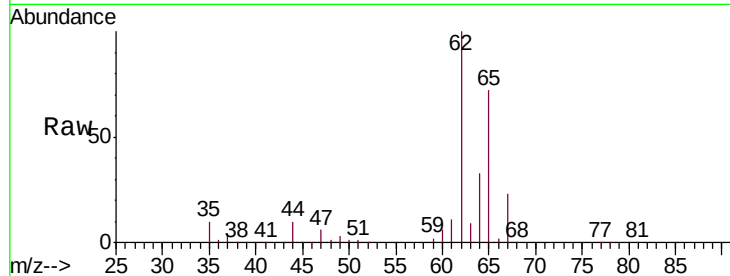
VICV31

Tgt Ion: 62 Resp: 176539

Ion Ratio Lower Upper

62 100

64 32.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.39

150000

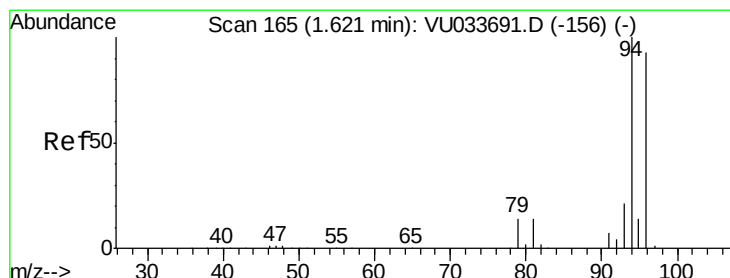
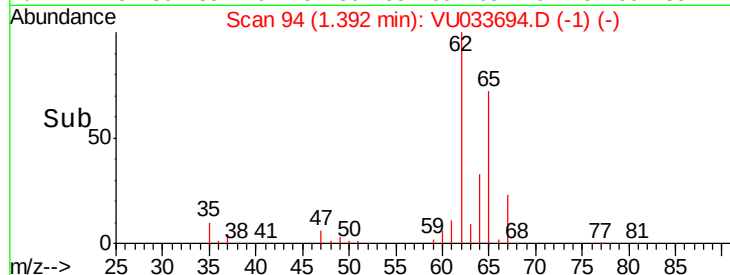
100000

50000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 37.695 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033694.D

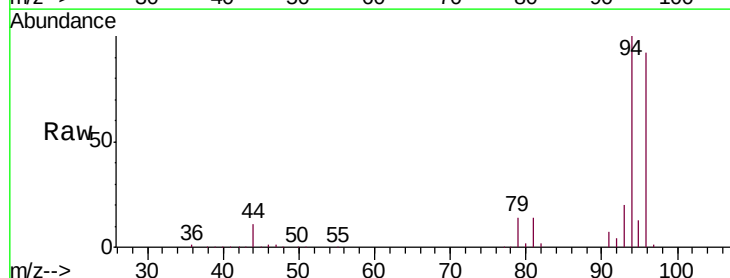
Acq: 09 Aug 2019 19:22

Tgt Ion: 94 Resp: 112724

Ion Ratio Lower Upper

94 100

96 91.6 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

100000

80000

60000

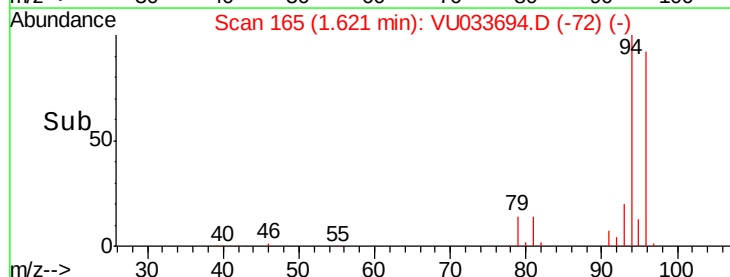
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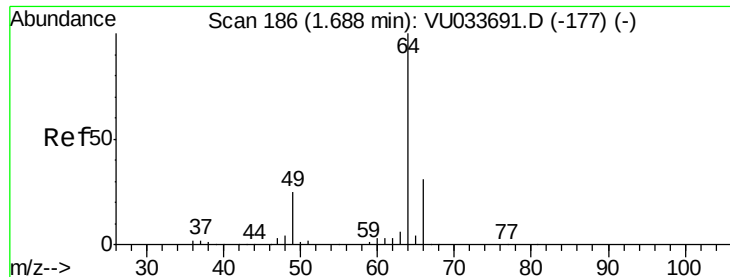
20000

0

Time-->

1.60 1.65

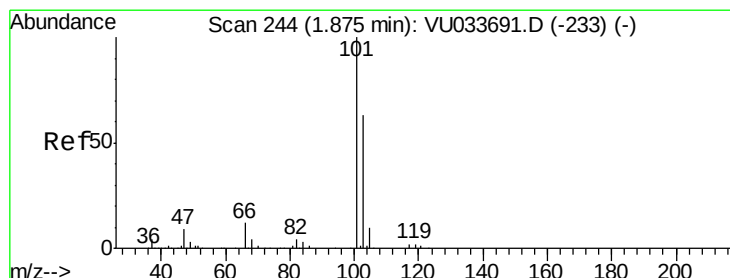
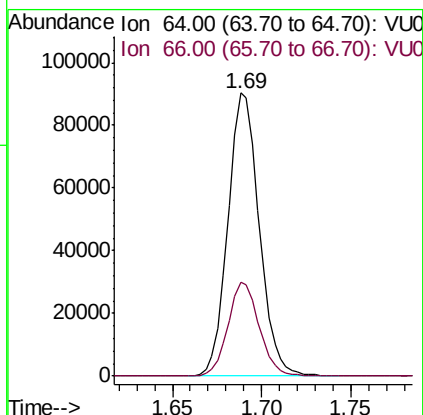
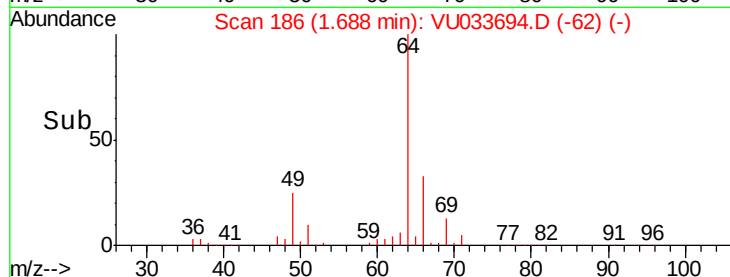
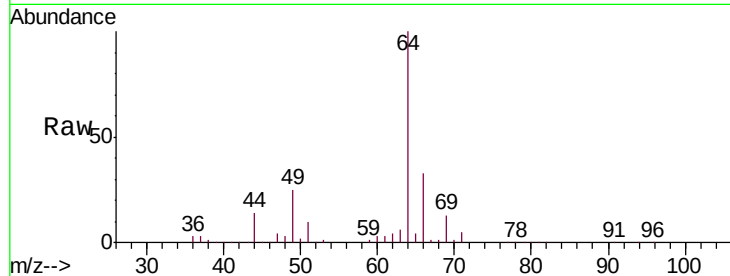




#8
Chloroethane
Concen: 39.120 ug/L
RT: 1.69 min Scan# 186
Delta R.T. 0.00 min
Lab File: VU033694.D
Acq: 09 Aug 2019 19:22

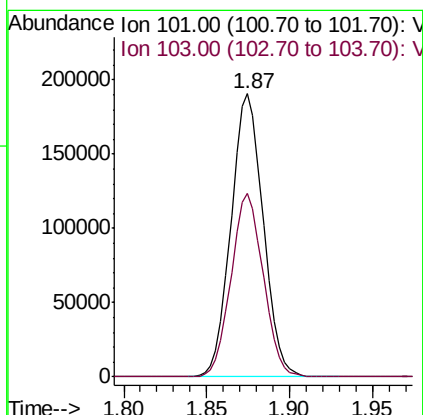
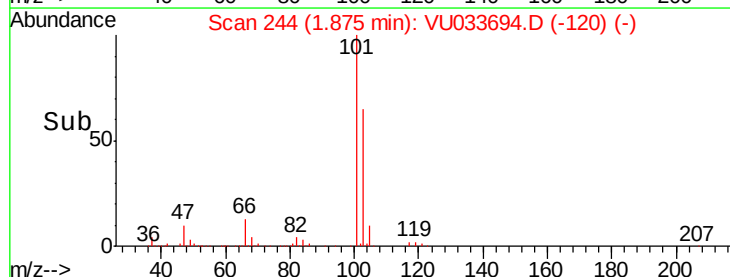
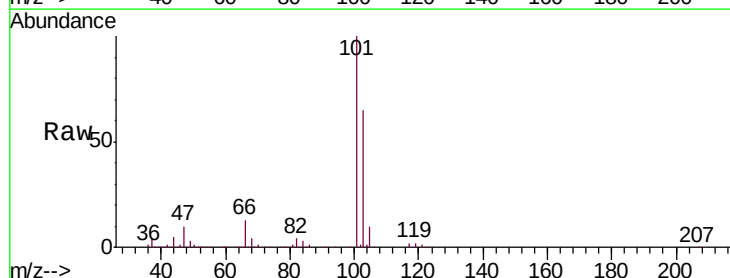
Instrument :
MSVOA_U
ClientSampleId :
VICV31

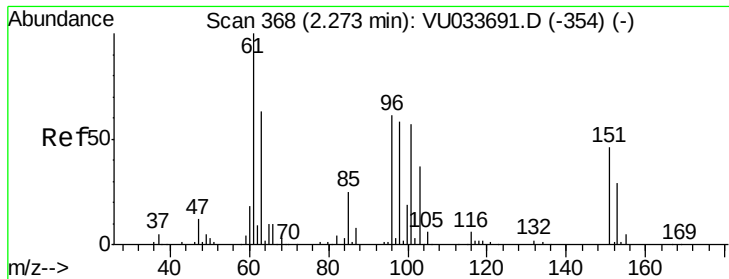
Tgt Ion: 64 Resp: 109772
Ion Ratio Lower Upper
64 100
66 33.0 22.0 41.0



#9
Trichlorofluoromethane
Concen: 51.460 ug/L
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU033694.D
Acq: 09 Aug 2019 19:22

Tgt Ion: 101 Resp: 257202
Ion Ratio Lower Upper
101 100
103 64.7 51.0 76.6





#10

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

Concen: 47.252 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

VICV31

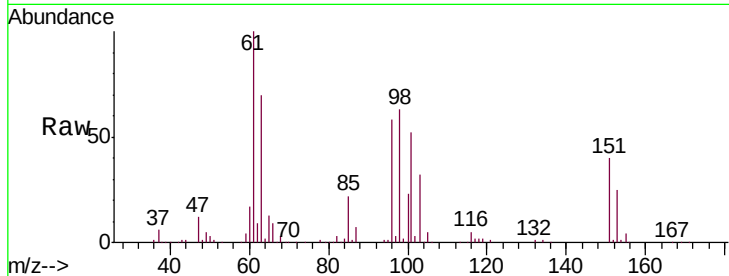
Tgt Ion: 101 Resp: 123856

Ion Ratio Lower Upper

101 100

85 43.2 34.5 51.7

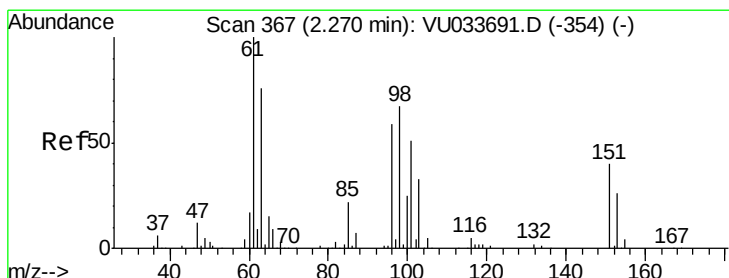
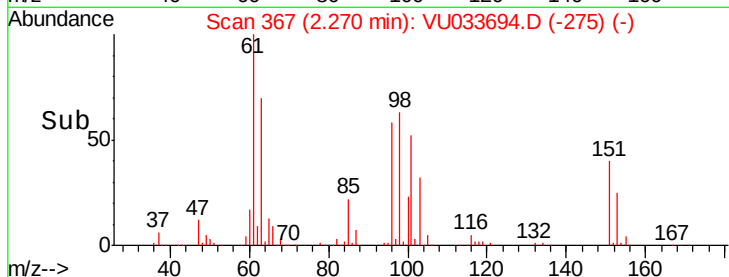
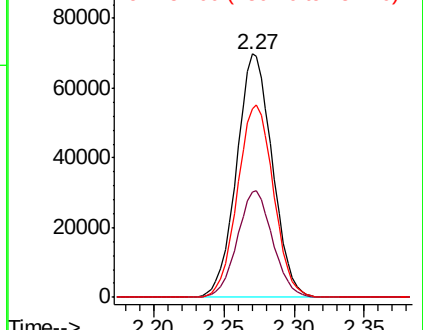
151 79.8 63.0 94.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 47.128 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

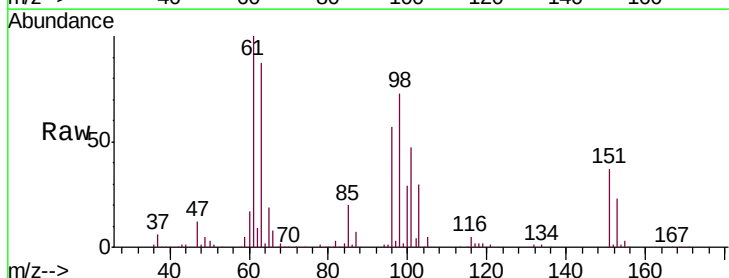
Tgt Ion: 96 Resp: 121342

Ion Ratio Lower Upper

96 100

61 174.2 118.2 219.6

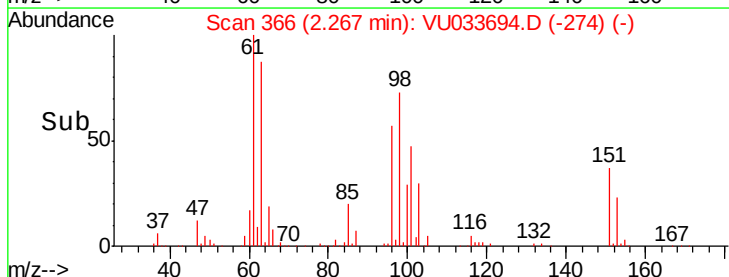
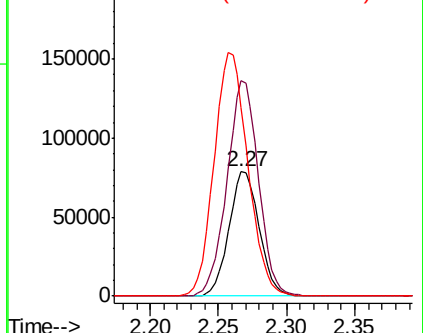
63 152.2 90.7 168.5

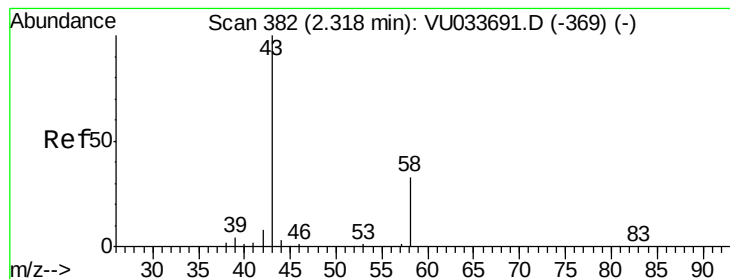


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 85.499 ug/L

RT: 2.33 min Scan# 387

Delta R.T. 0.02 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampled :

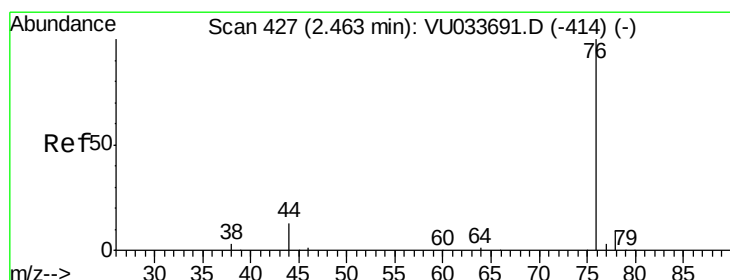
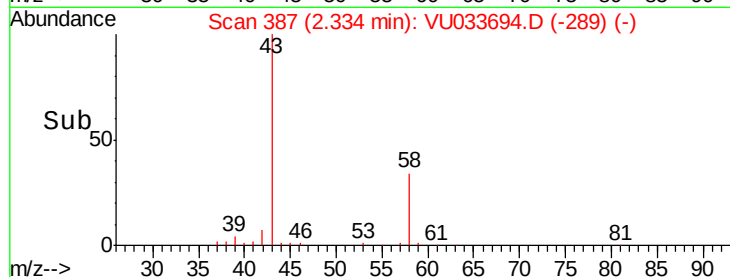
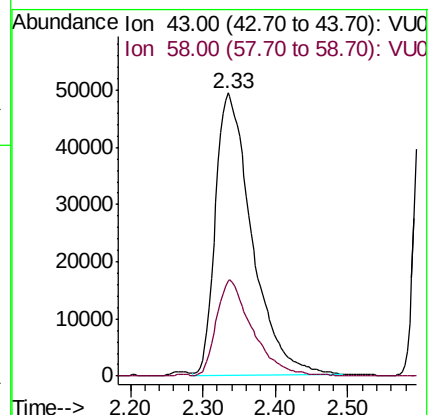
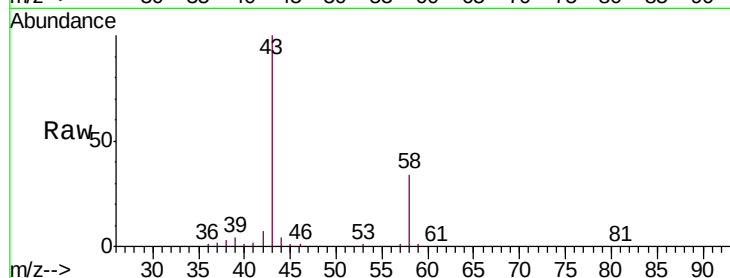
VICV31

Tgt Ion: 43 Resp: 171775

Ion Ratio Lower Upper

43 100

58 33.6 0.0 65.6



#14

Carbon disulfide

Concen: 47.895 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

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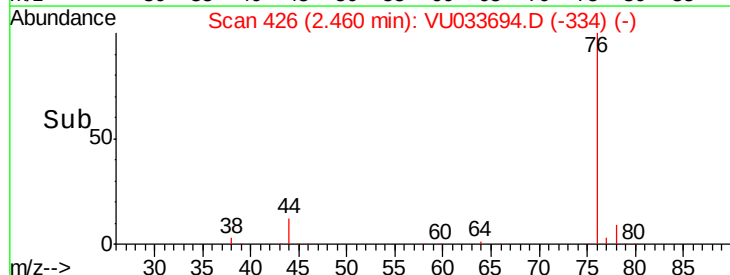
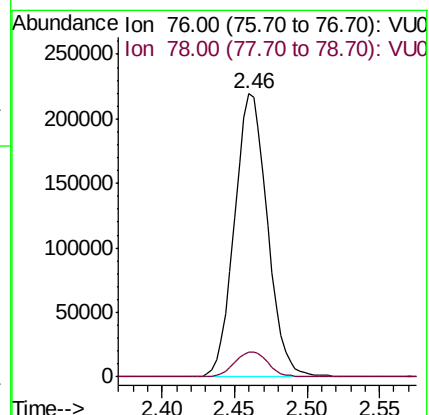
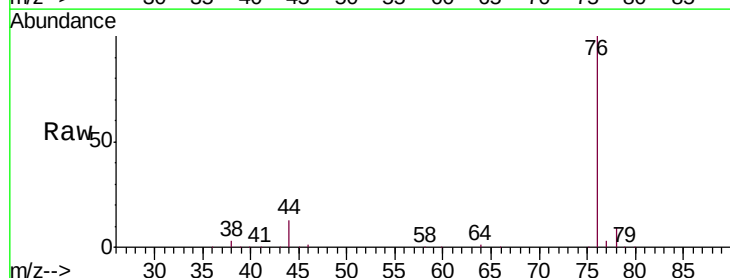
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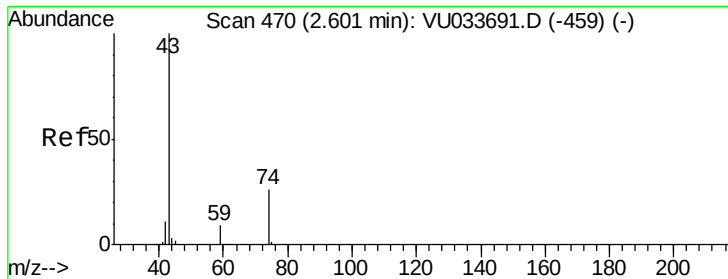
Tgt Ion: 76 Resp: 346179

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7

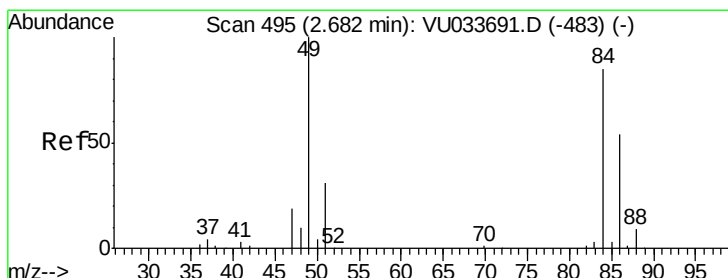
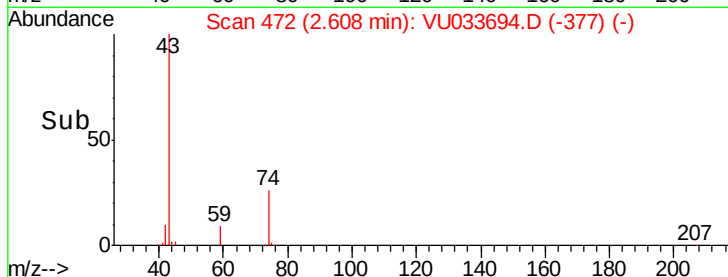
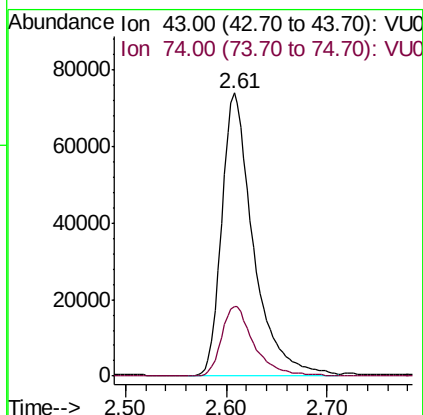
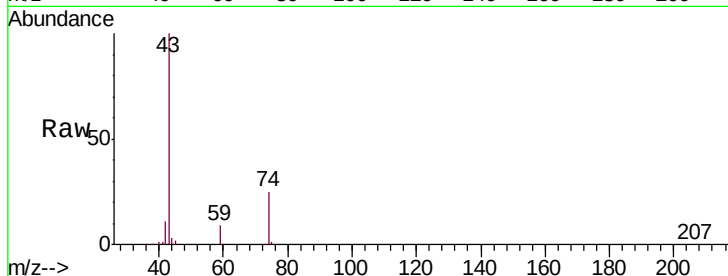




#15
Methyl Acetate
Concen: 48.186 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.01 min
Lab File: VU033694.D
Acq: 09 Aug 2019 19:22

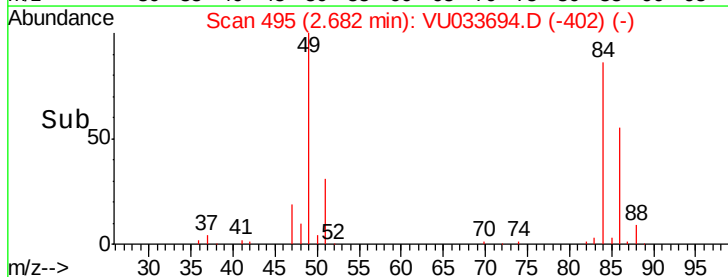
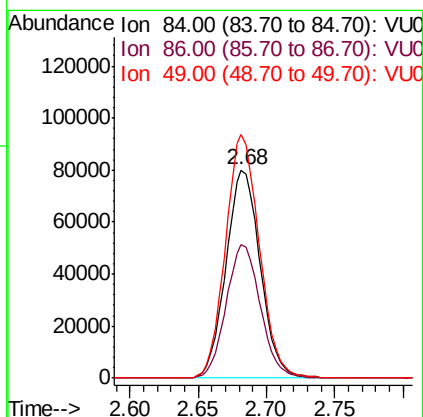
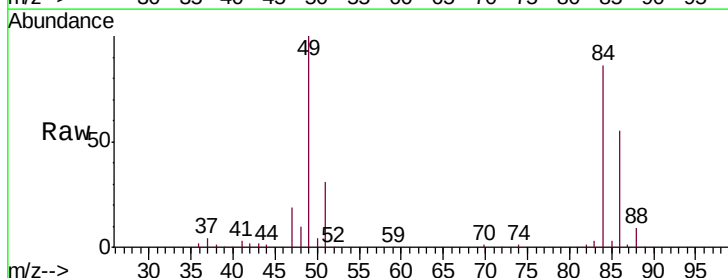
Instrument :
MSVOA_U
ClientSampleId :
VICV31

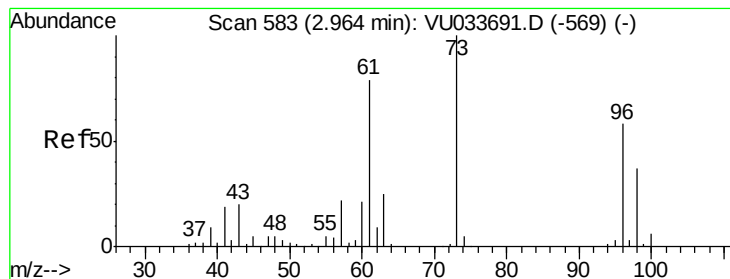
Tgt Ion: 43 Resp: 161300
Ion Ratio Lower Upper
43 100
74 25.6 20.8 31.2



#16
Methylene chloride
Concen: 46.909 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033694.D
Acq: 09 Aug 2019 19:22

Tgt Ion: 84 Resp: 140143
Ion Ratio Lower Upper
84 100
86 63.8 44.3 82.3
49 116.9 82.3 152.9





#17

trans-1,2-Dichloroethene

Concen: 46.723 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

VICV31

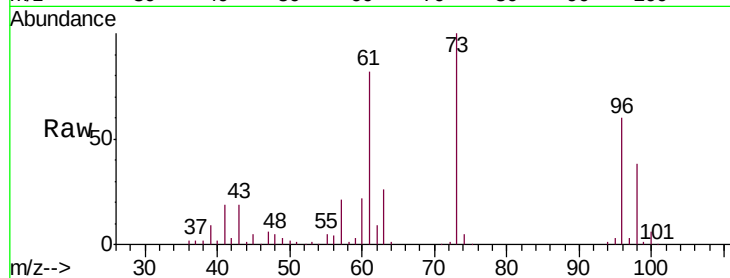
Tgt Ion: 96 Resp: 128935

Ion Ratio Lower Upper

96 100

61 136.7 95.6 177.6

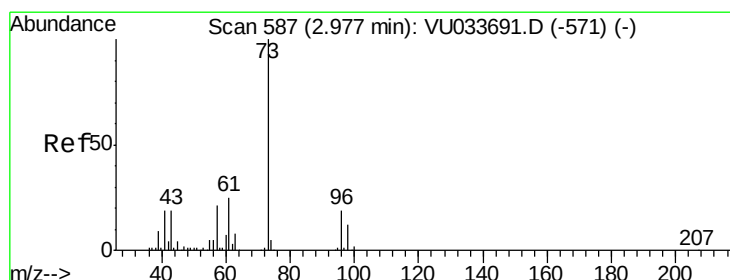
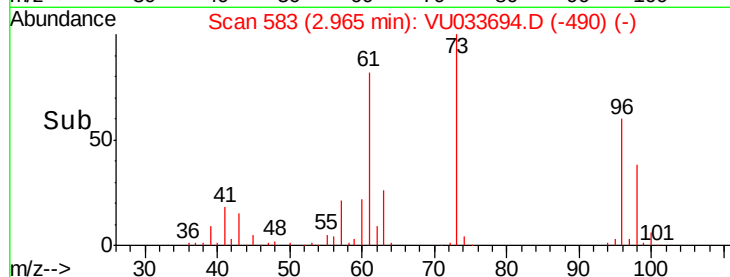
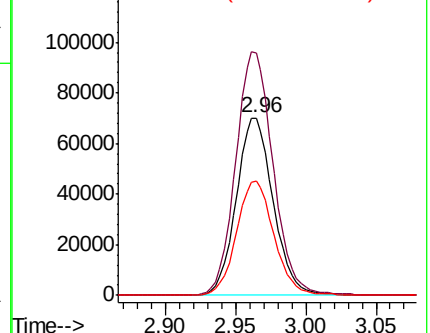
98 64.3 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033694.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU033694.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU033694.D (-569) (-)



#18

Methyl tert-butyl Ether

Concen: 47.591 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

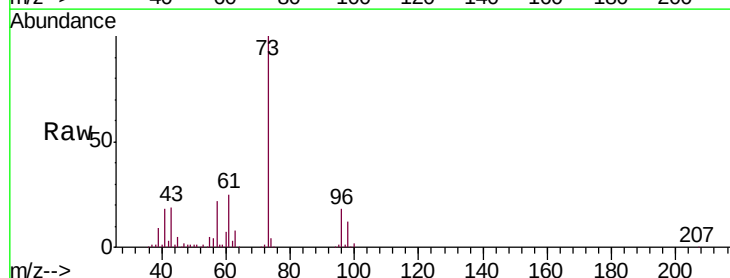
Tgt Ion: 73 Resp: 429541

Ion Ratio Lower Upper

73 100

43 18.8 15.1 22.7

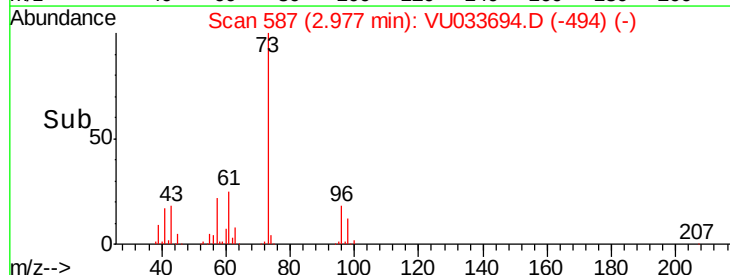
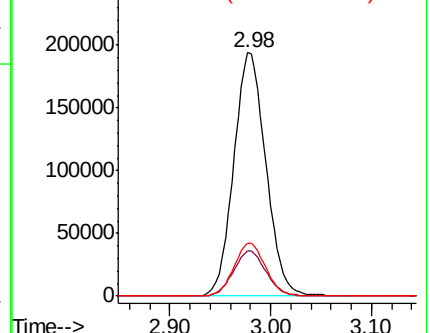
57 21.6 17.4 26.0

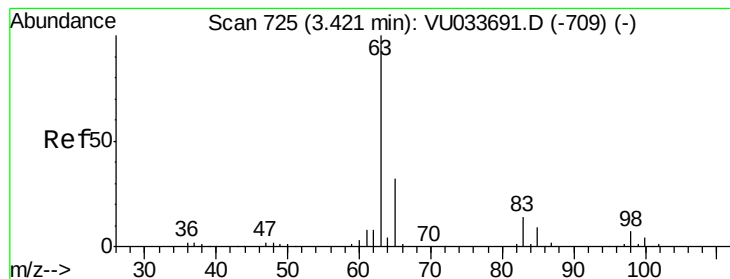


Abundance Ion 73.00 (72.70 to 73.70): VU033694.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033694.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU033694.D (-571) (-)





#19

1,1-Dichloroethane

Concen: 46.842 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampled :

VICV31

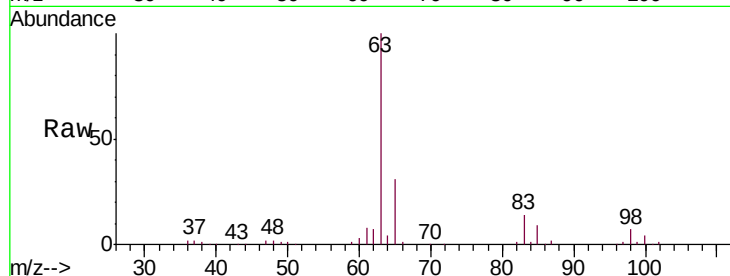
Tgt Ion: 63 Resp: 243939

Ion Ratio Lower Upper

63 100

65 31.1 22.3 41.3

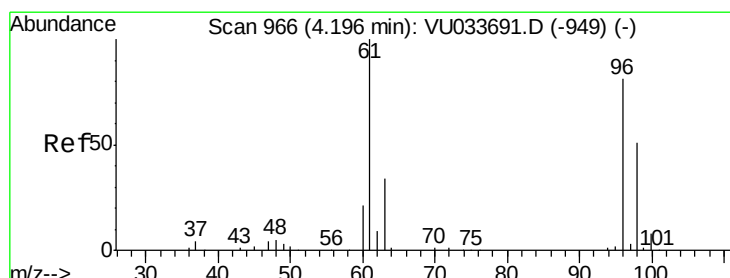
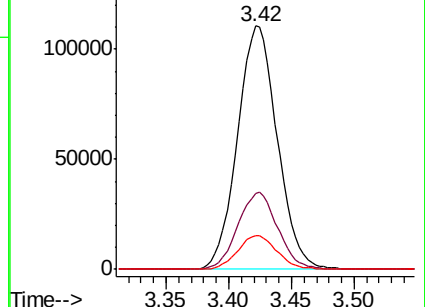
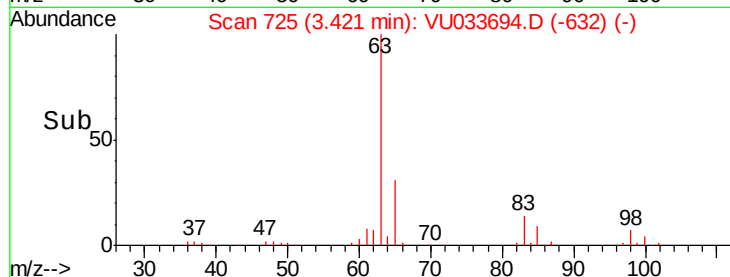
83 13.8 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VU033694.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033694.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033694.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.350 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

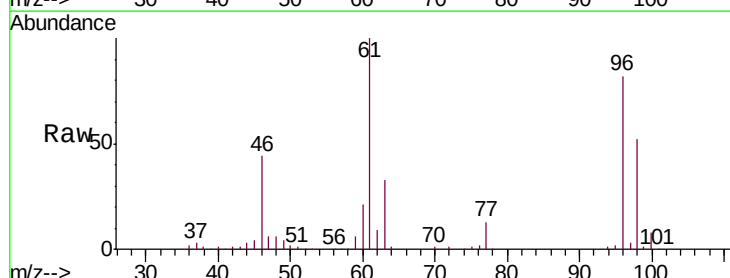
Tgt Ion: 96 Resp: 149040

Ion Ratio Lower Upper

96 100

61 121.3 87.0 161.6

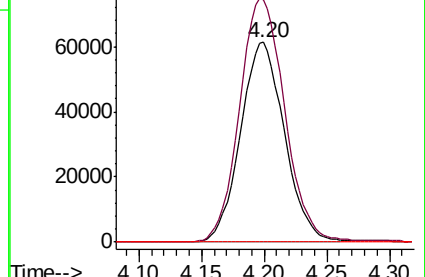
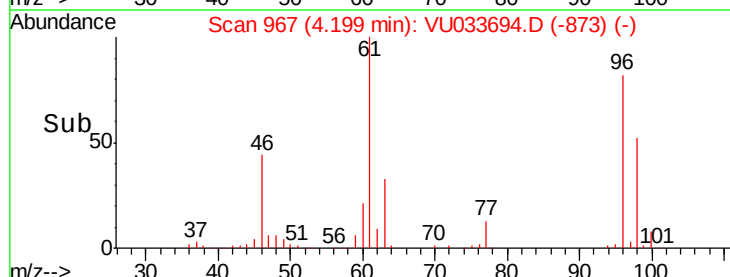
68 0.0 0.0 0.0

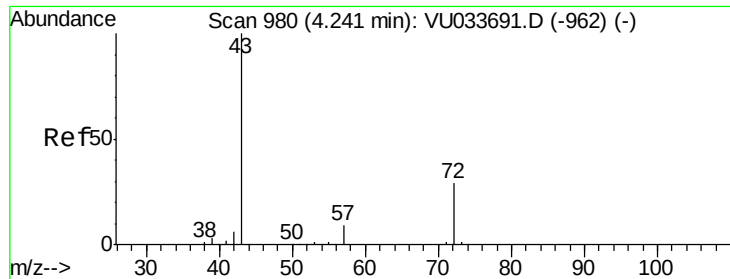


Abundance Ion 96.00 (95.70 to 96.70): VU033694.D (-873) (-)

Ion 61.00 (60.70 to 61.70): VU033694.D (-873) (-)

Ion 68.00 (67.70 to 68.70): VU033694.D (-873) (-)





#22

2-Butanone

Concen: 100.437 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.01 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

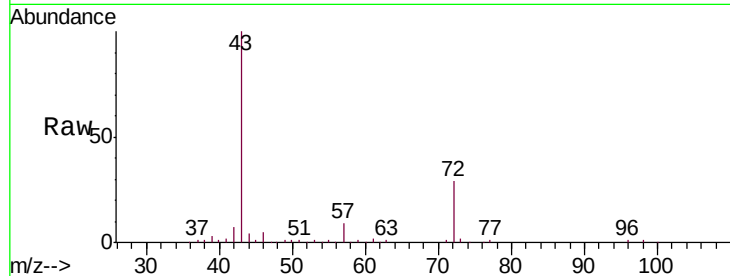
VICV31

Tgt Ion: 43 Resp: 251149

Ion Ratio Lower Upper

43 100

72 28.9 15.2 45.6

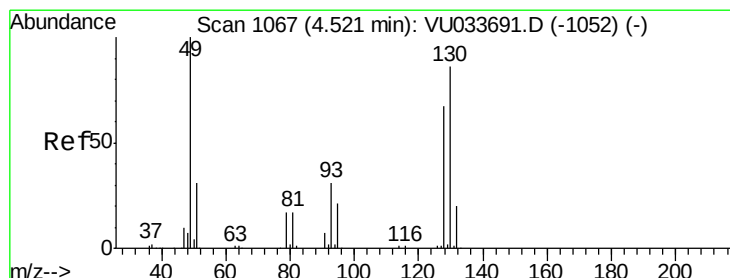
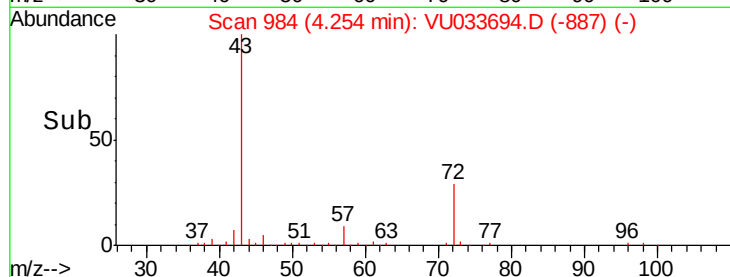


Abundance Ion 43.00 (42.70 to 43.70): VU033694.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU033694.D (-962) (-)

4.25

Time-->



#23

Bromochloromethane

Concen: 49.238 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Tgt Ion: 128 Resp: 79743

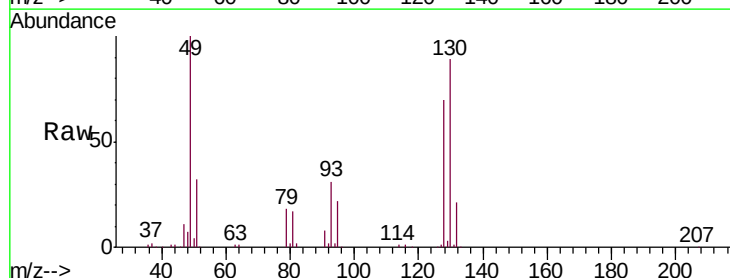
Ion Ratio Lower Upper

128 100

49 143.0 104.7 194.4

130 127.9 89.6 166.4

51 45.6 37.4 56.0



Abundance Ion 128.00 (127.70 to 128.70): VU033694.D (-1052) (-)

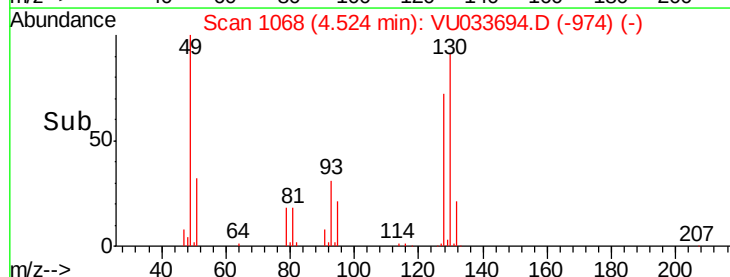
Ion 49.00 (48.70 to 49.70): VU033694.D (-1052) (-)

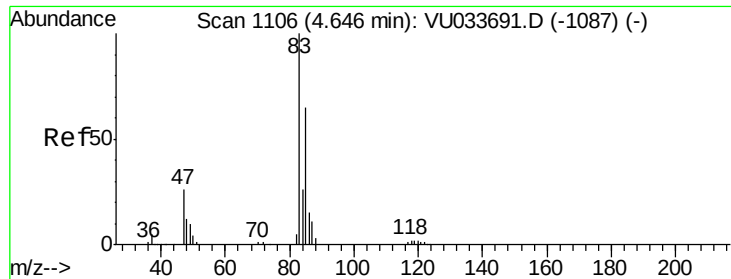
Ion 130.00 (129.70 to 130.70): VU033694.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033694.D (-1052) (-)

4.52

Time-->

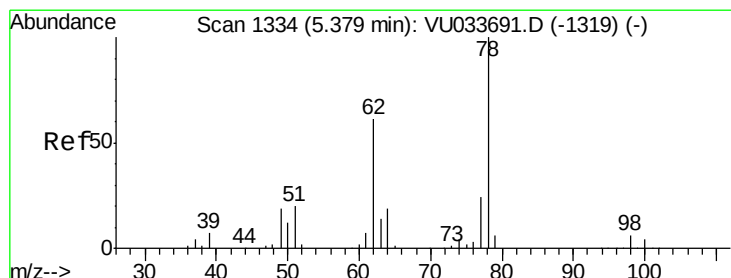
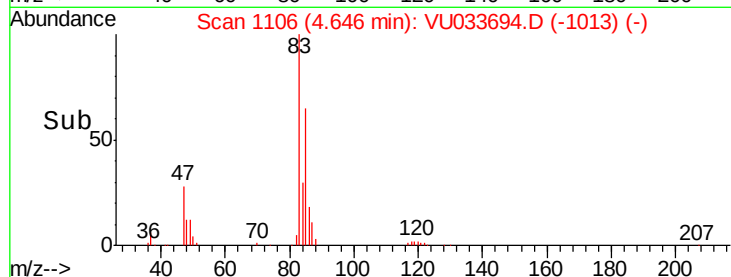
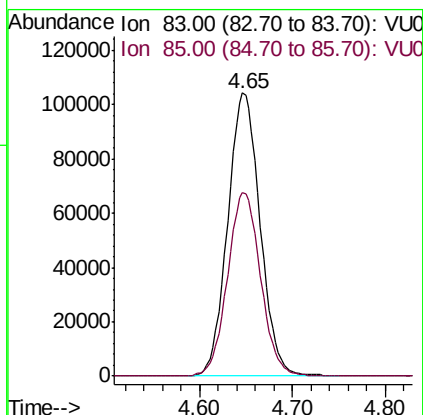
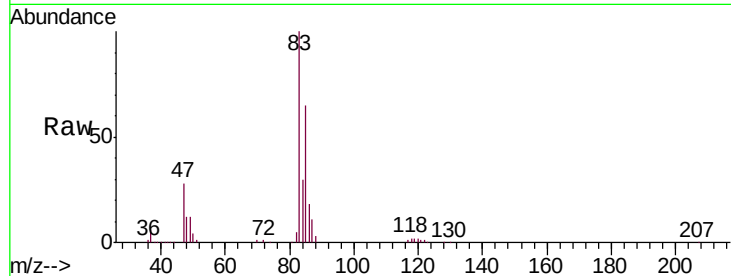




#25
Chloroform
Concen: 46.561 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033694.D
Acq: 09 Aug 2019 19:22

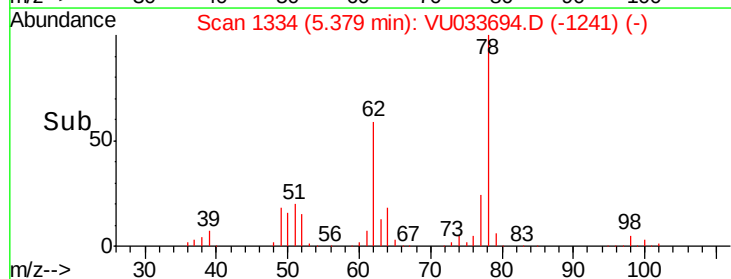
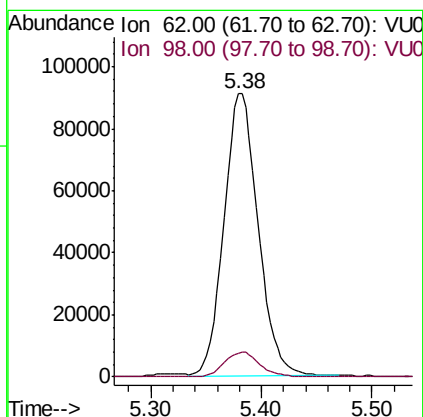
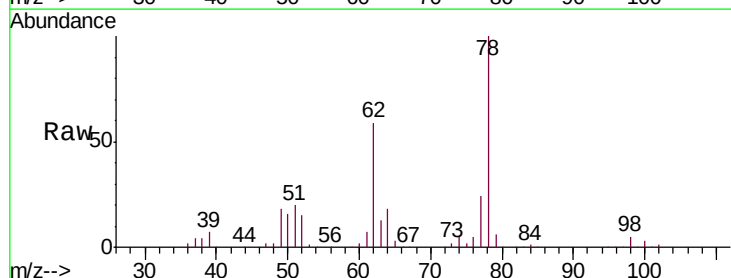
Instrument :
MSVOA_U
ClientSampleId :
VICV31

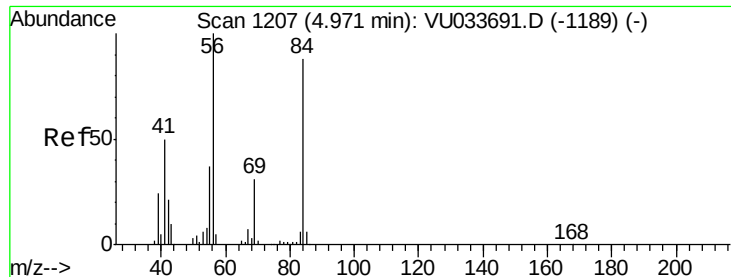
Tgt Ion: 83 Resp: 252936
Ion Ratio Lower Upper
83 100
85 64.8 45.9 85.3



#27
1,2-Dichloroethane
Concen: 47.230 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU033694.D
Acq: 09 Aug 2019 19:22

Tgt Ion: 62 Resp: 195408
Ion Ratio Lower Upper
62 100
98 8.5 7.4 11.2

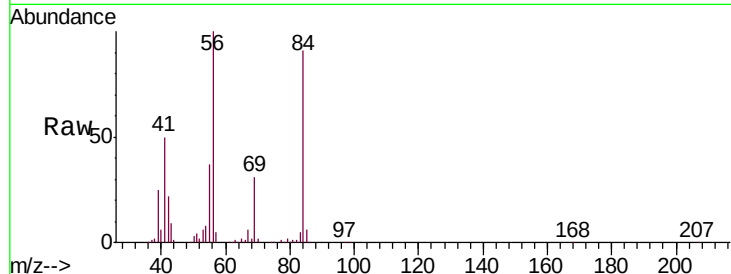




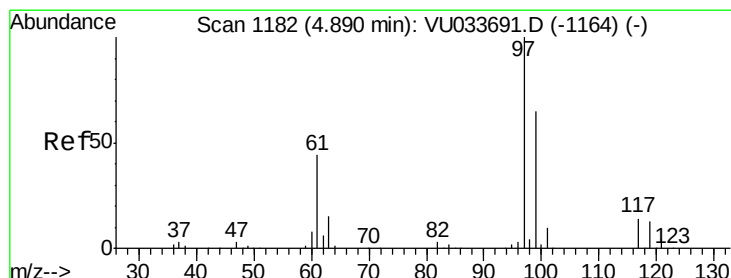
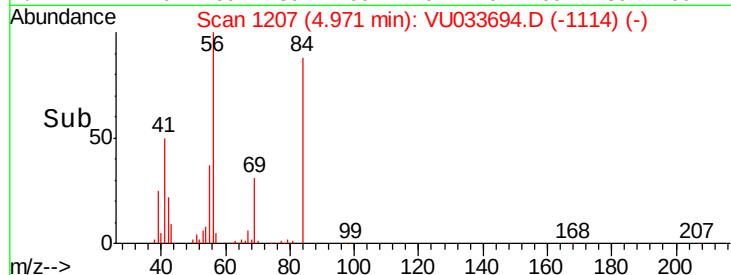
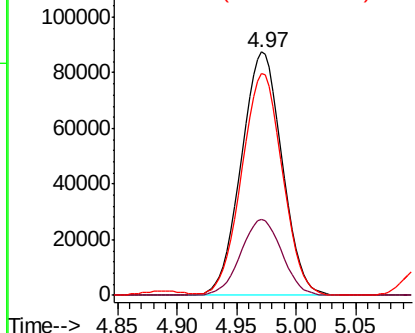
#29
Cyclohexane
Concen: 47.625 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033694.D
Acq: 09 Aug 2019 19:22

Instrument :
MSVOA_U
ClientSampleId :
VICV31

Tgt Ion: 56 Resp: 208432
Ion Ratio Lower Upper
56 100
69 31.3 25.3 37.9
84 90.9 71.8 107.8

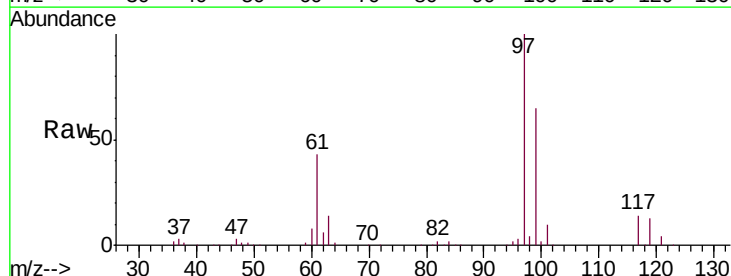


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

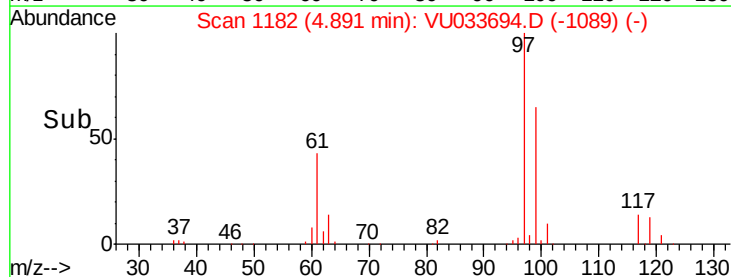
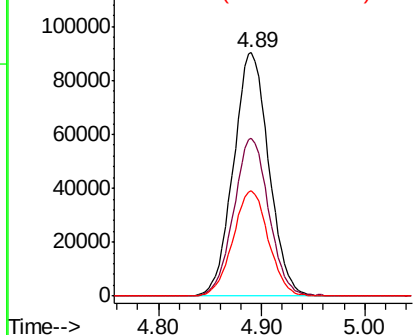


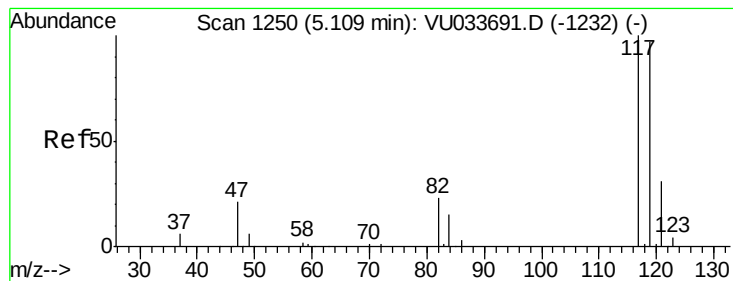
#30
1,1,1-Trichloroethane
Concen: 47.914 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033694.D
Acq: 09 Aug 2019 19:22

Tgt Ion: 97 Resp: 215635
Ion Ratio Lower Upper
97 100
99 64.3 52.0 78.0
61 43.4 35.0 52.4



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: 47.803 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

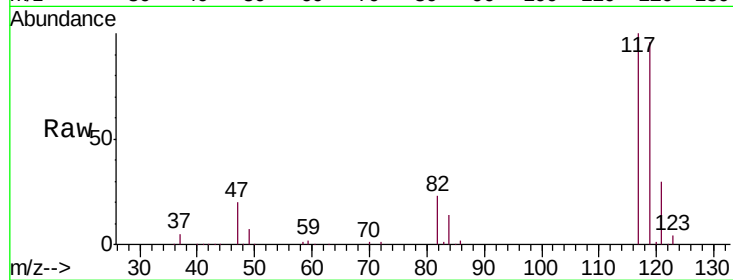
VICV31

Tgt Ion:117 Resp: 193022

Ion Ratio Lower Upper

117 100

119 96.8 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

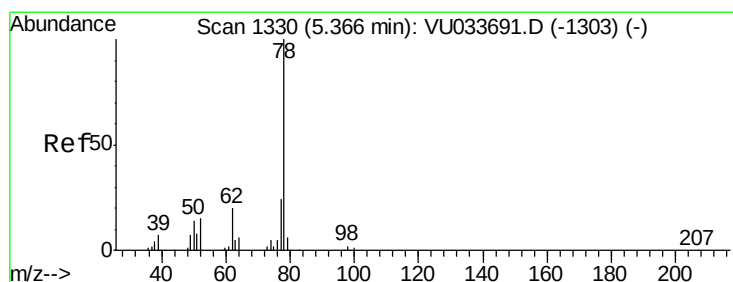
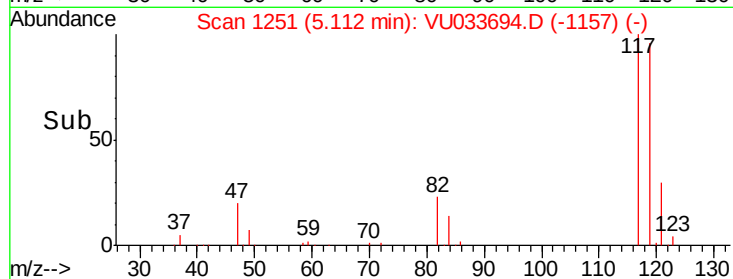
40000

20000

0

5.00 5.05 5.10 5.15 5.20

Time-->



#33

Benzene

Concen: 47.233 ug/L

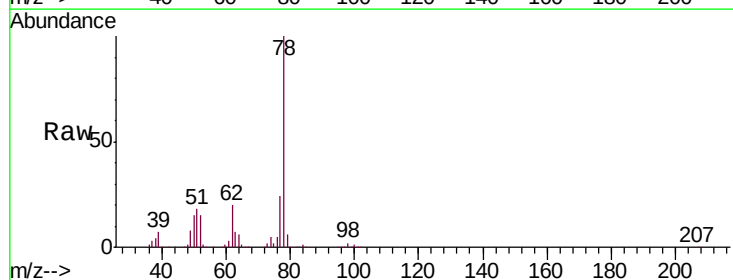
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Tgt Ion: 78 Resp: 545149



Abundance Ion 78.00 (77.70 to 78.70): VU0

300000

250000

200000

150000

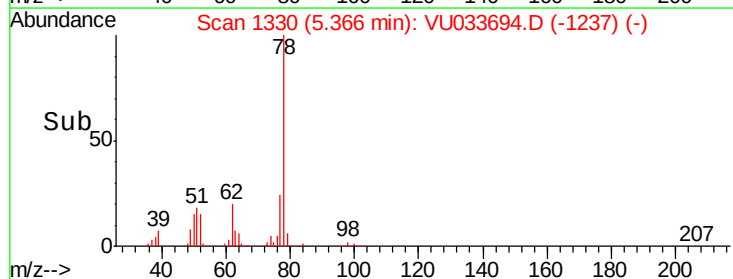
100000

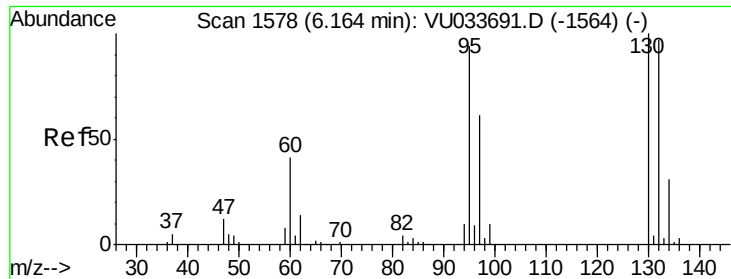
50000

0

5.20 5.30 5.40 5.50

Time-->

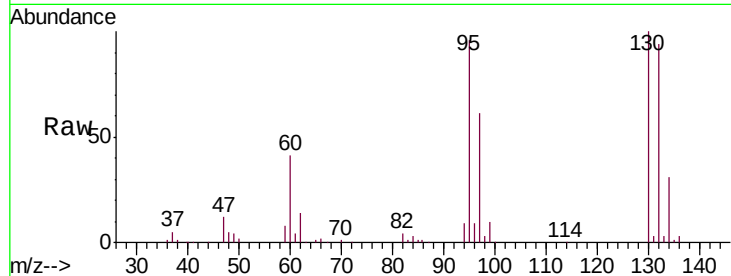




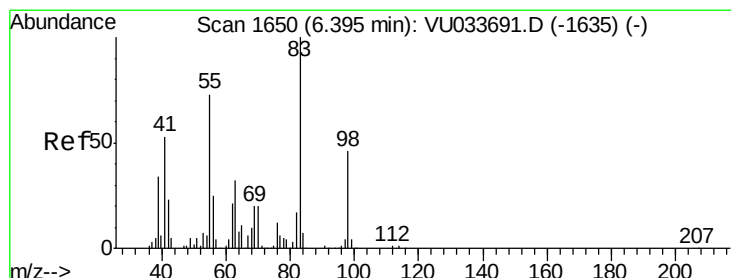
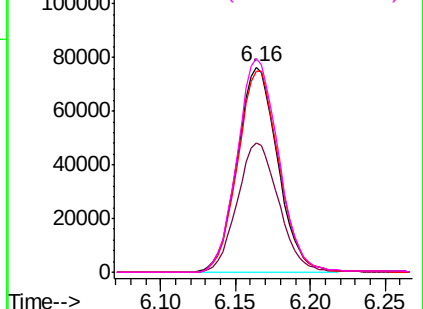
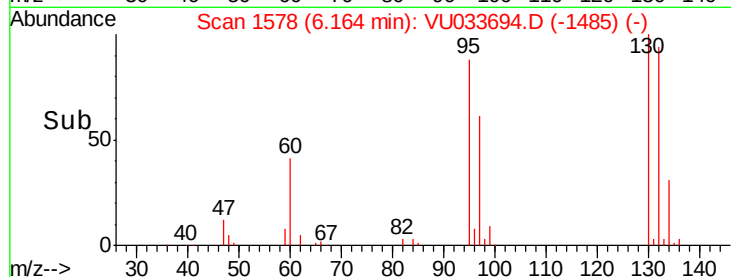
#34
 Trichloroethene
 Concen: 47.428 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

Tgt Ion: 95 Resp: 144436
 Ion Ratio Lower Upper
 95 100
 97 63.2 45.6 84.8
 132 98.2 72.0 133.8
 130 104.1 74.3 138.1

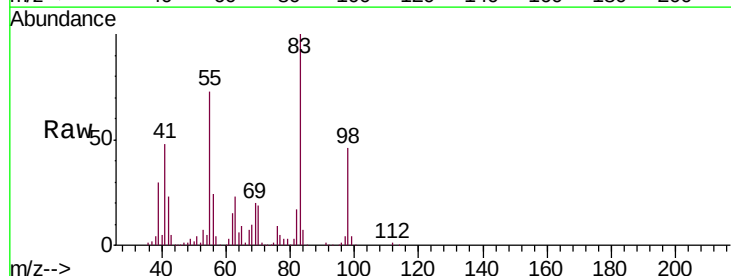


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

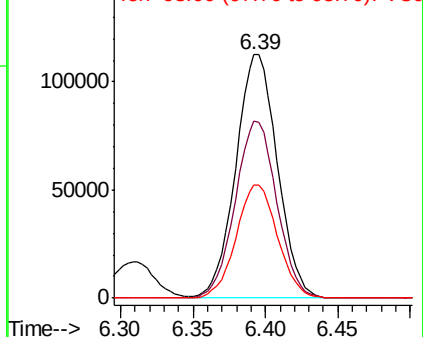
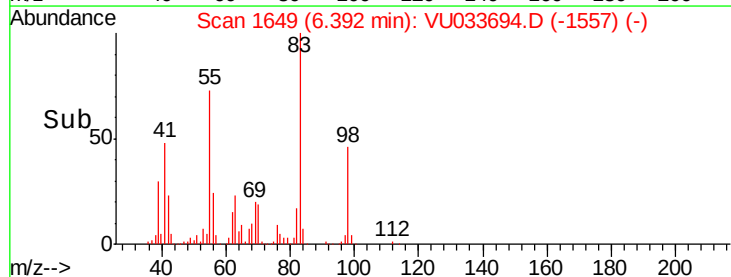


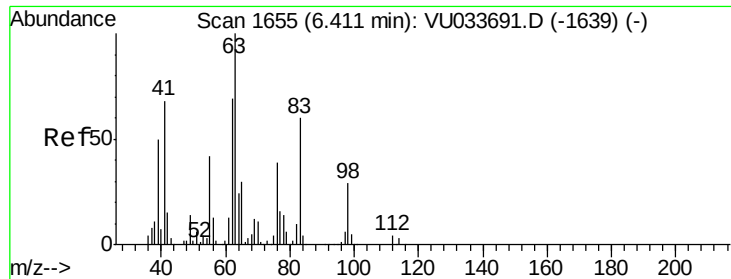
#35
 Methylcyclohexane
 Concen: 48.431 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

Tgt Ion: 83 Resp: 224511
 Ion Ratio Lower Upper
 83 100
 55 72.6 58.1 87.1
 98 46.2 36.8 55.2



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

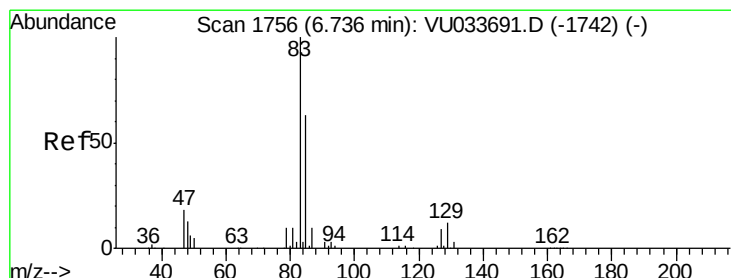
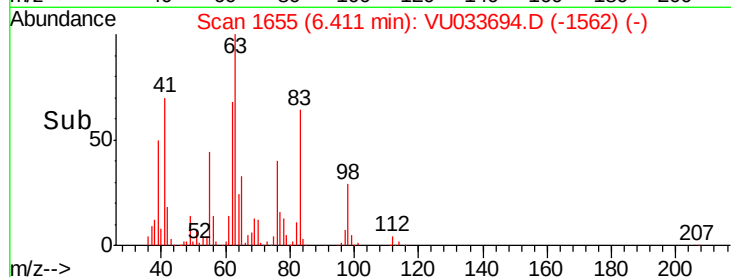
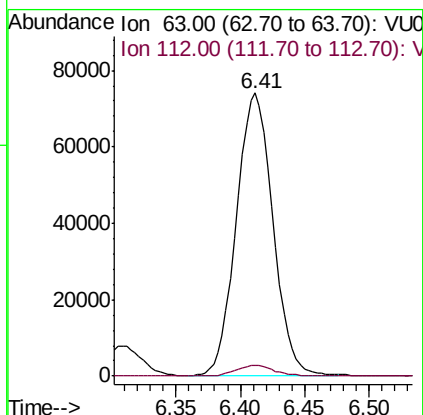
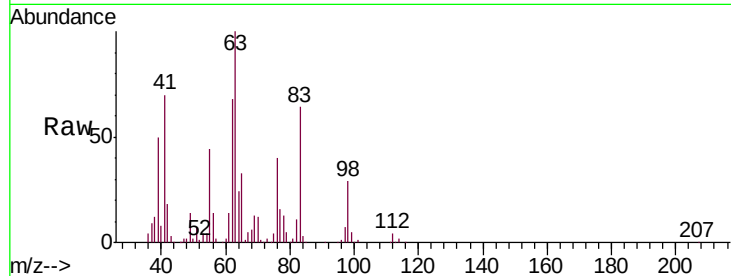




#37
 1,2-Dichloropropane
 Concen: 47.281 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

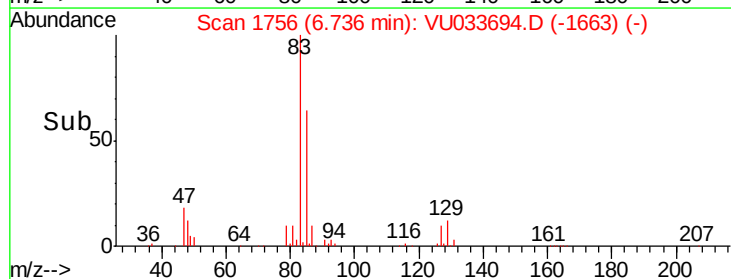
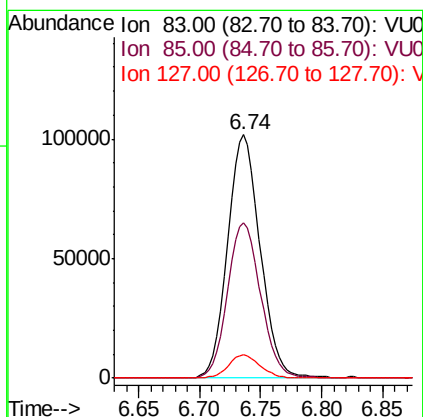
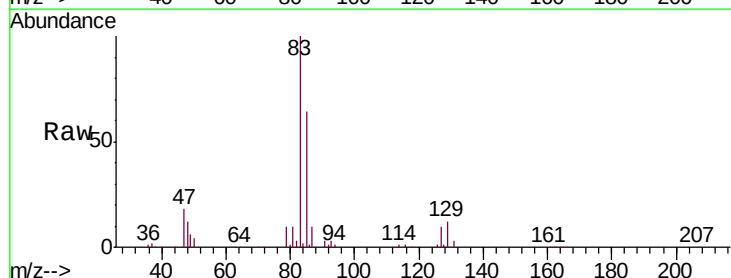
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

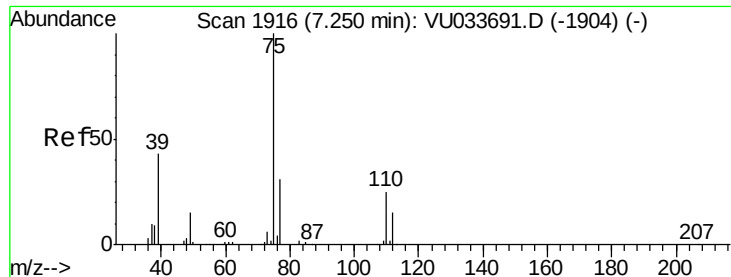
Tgt Ion: 63 Resp: 145637
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#38
 Bromodichloromethane
 Concen: 47.970 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

Tgt Ion: 83 Resp: 189861
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.2 82.0
 127 9.6 6.8 10.2

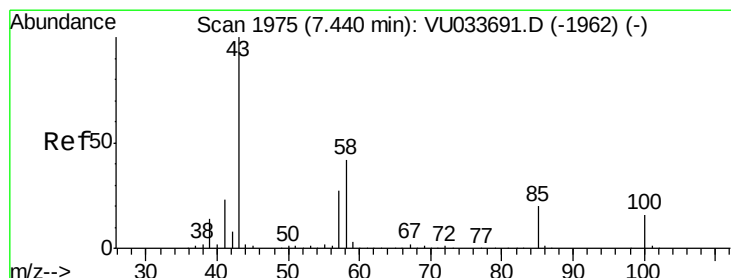
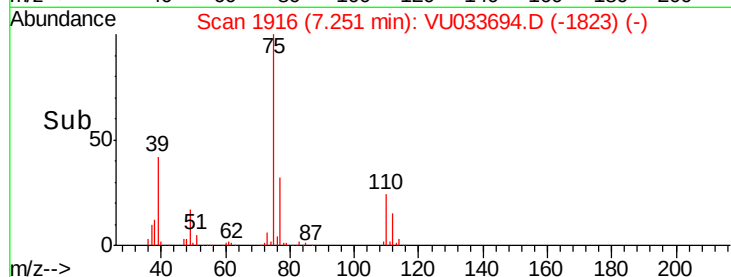
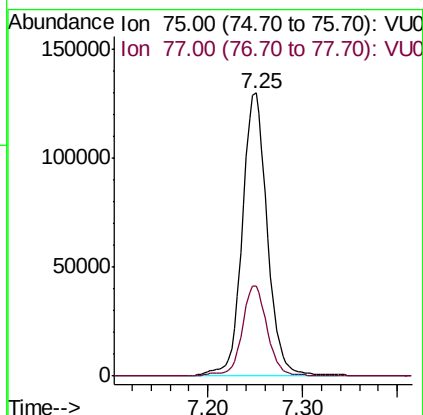
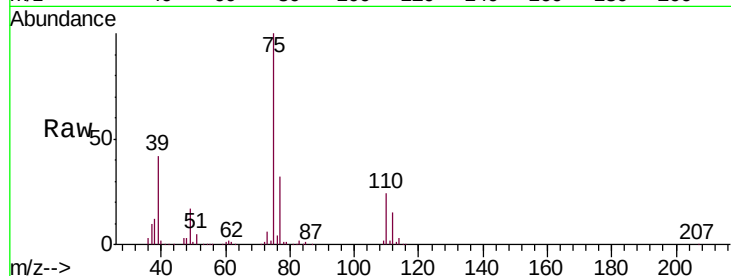




#39
 cis-1,3-Dichloropropene
 Concen: 48.921 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

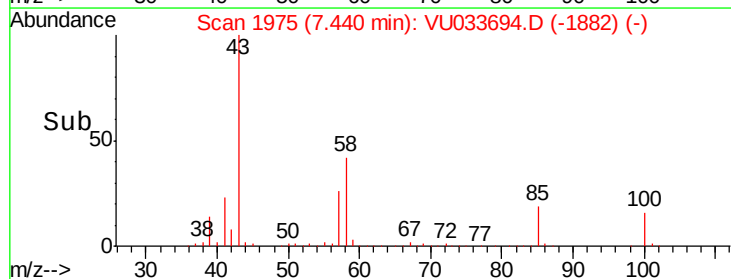
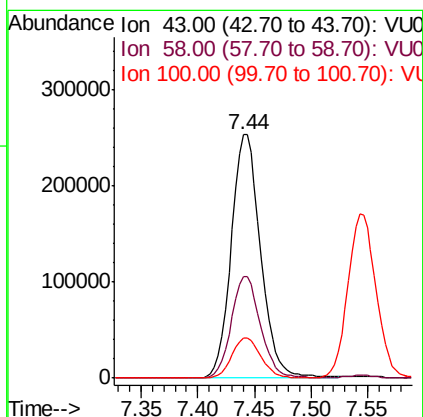
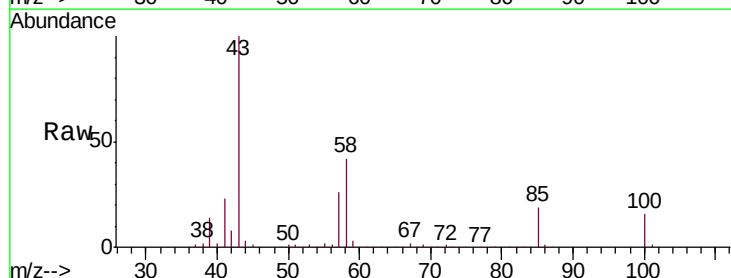
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

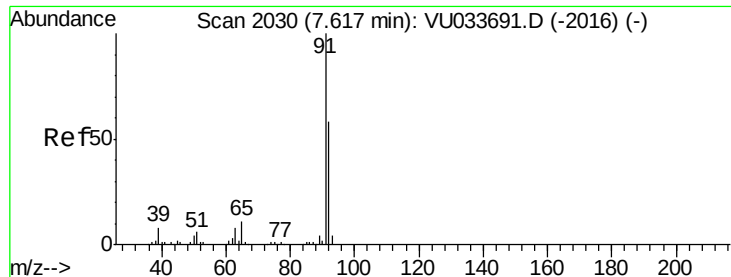
Tgt Ion: 75 Resp: 239468
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 99.963 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

Tgt Ion: 43 Resp: 457925
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.4 50.0
 100 16.5 13.2 19.8





#42

Toluene

Concen: 48.167 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

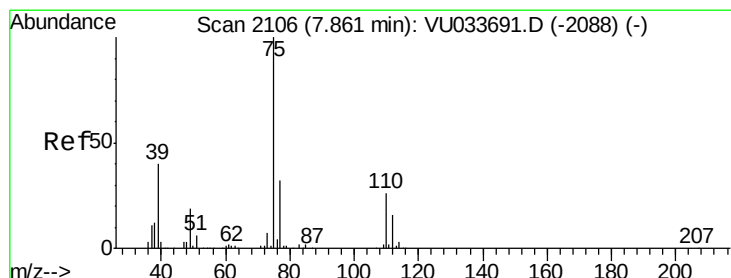
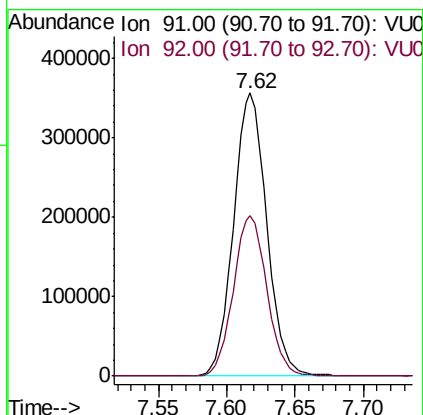
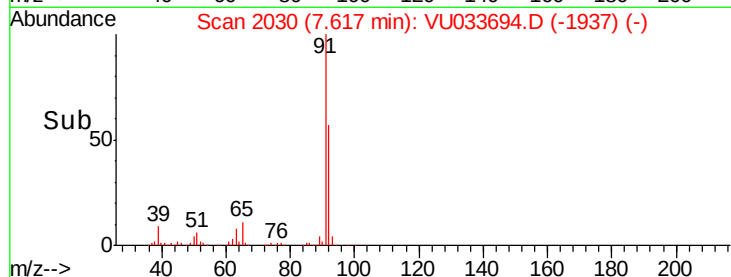
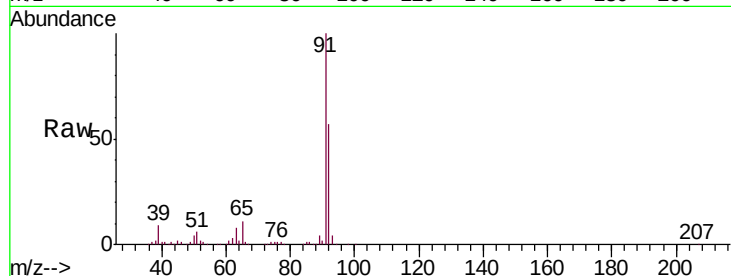
VICV31

Tgt Ion: 91 Resp: 601424

Ion Ratio Lower Upper

91 100

92 56.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 49.698 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033694.D

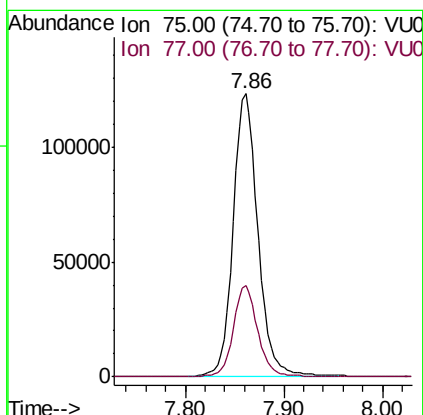
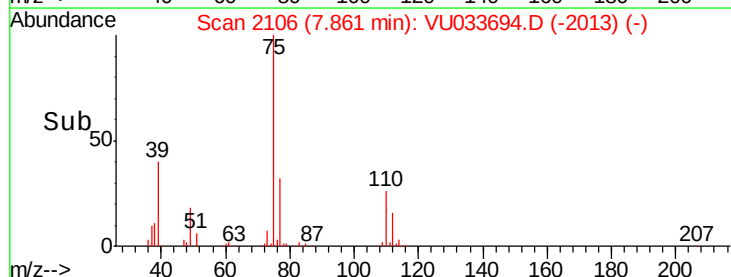
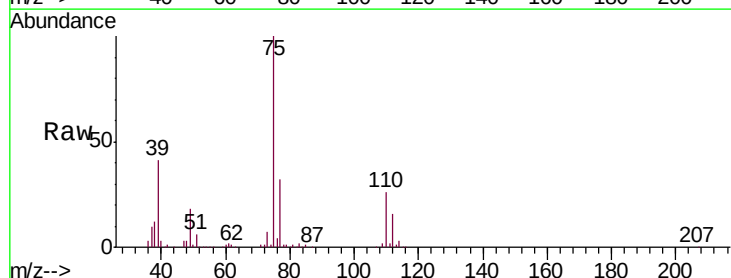
Acq: 09 Aug 2019 19:22

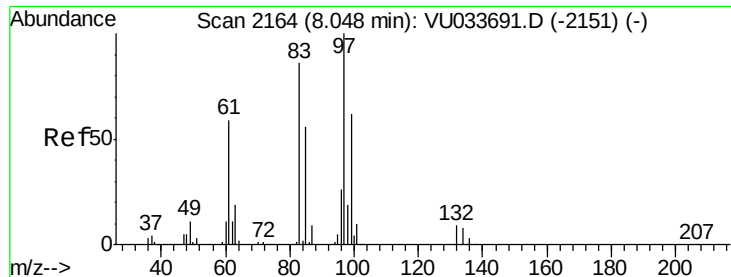
Tgt Ion: 75 Resp: 216719

Ion Ratio Lower Upper

75 100

77 32.2 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 46.984 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

VICV31

Tgt Ion: 97 Resp: 141477

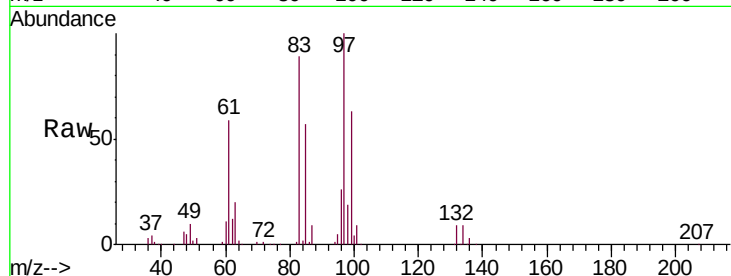
Ion Ratio Lower Upper

97 100

99 63.0 43.3 80.5

83 89.0 60.5 112.5

85 57.3 38.9 72.3

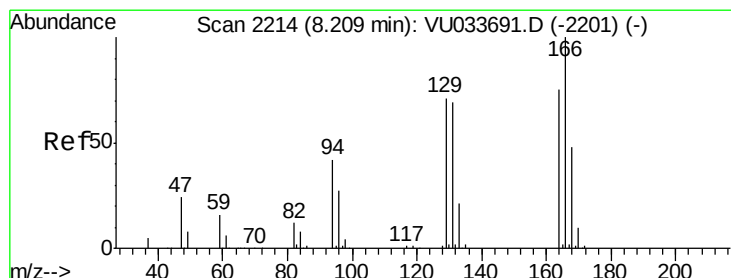
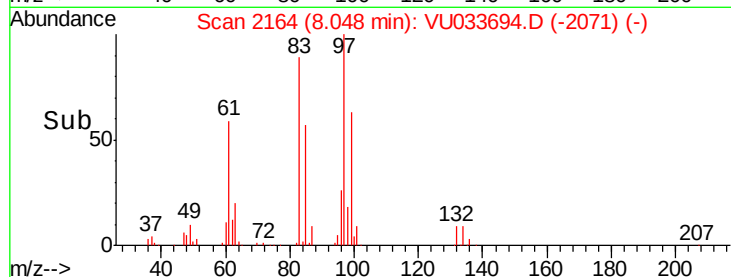
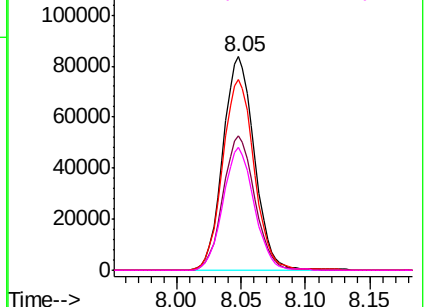


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 48.528 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Tgt Ion: 164 Resp: 121826

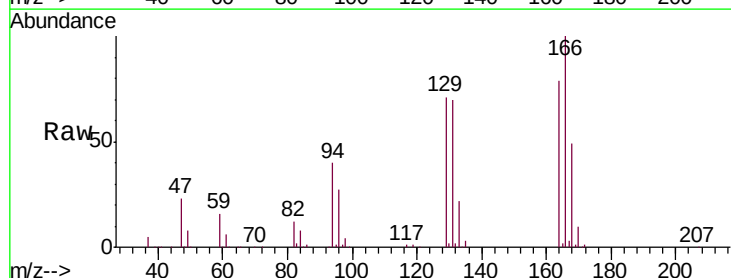
Ion Ratio Lower Upper

164 100

129 90.1 65.5 121.7

131 89.3 63.6 118.0

166 126.7 92.7 172.3

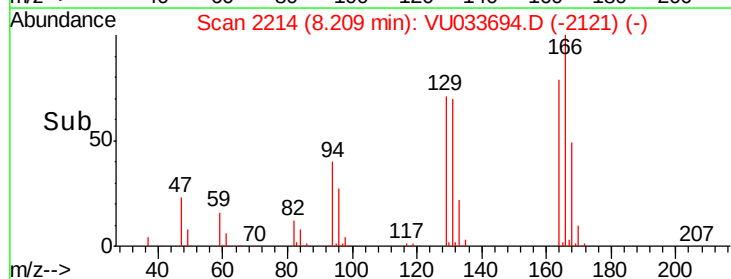
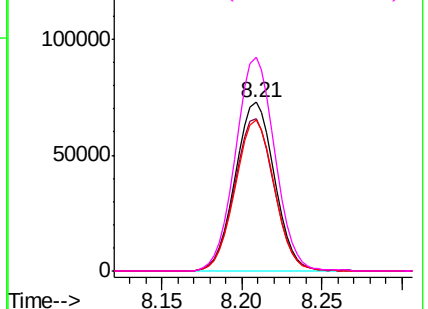


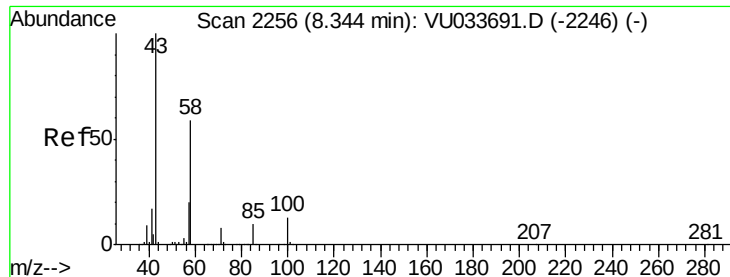
Abundance Ion 164.00 (163.70 to 164.70): V

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

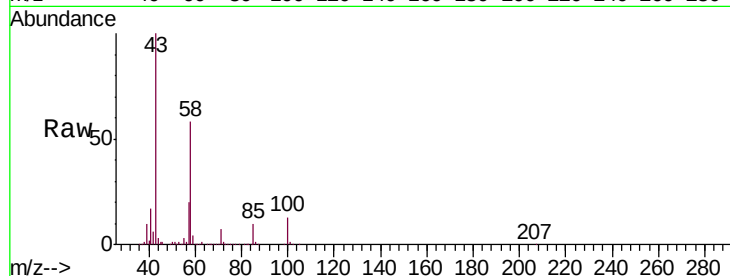




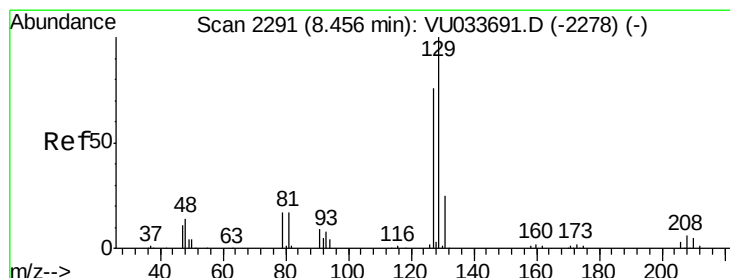
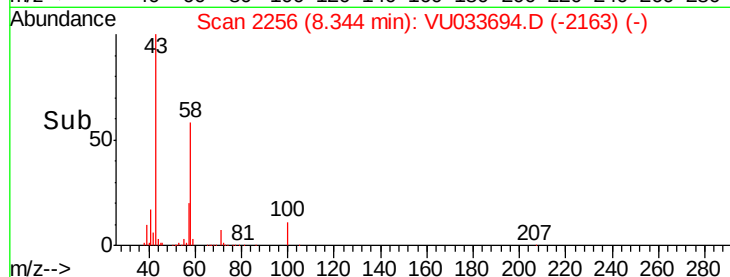
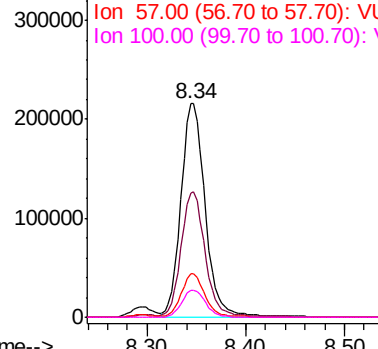
#48
2-Hexanone
Concen: 102.025 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033694.D
Acq: 09 Aug 2019 19:22

Instrument :
MSVOA_U
ClientSampleId :
VICV31

Tgt Ion:	43	Resp:	368008
Ion	Ratio	Lower	Upper
43	100		
58	57.6	46.6	70.0
57	19.5	16.2	24.4
100	12.6	10.1	15.1

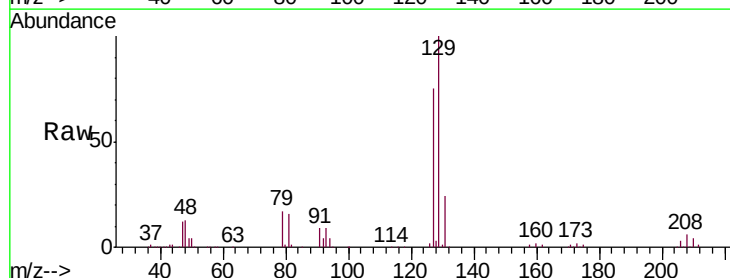


Abundance Ion 43.00 (42.70 to 43.70): VU033694.D (-2246) (-)
Ion 58.00 (57.70 to 58.70): VU033694.D (-2246) (-)
Ion 57.00 (56.70 to 57.70): VU033694.D (-2246) (-)
Ion 100.00 (99.70 to 100.70): VU033694.D (-2246) (-)

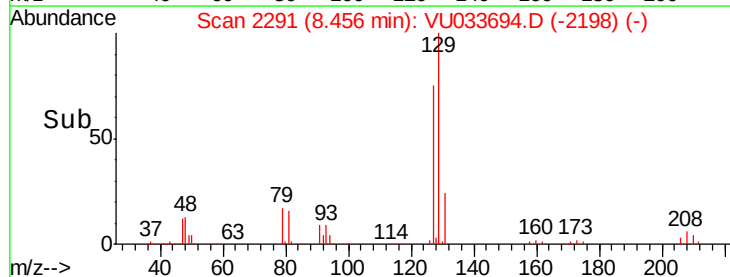
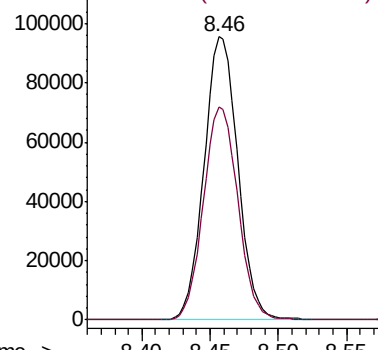


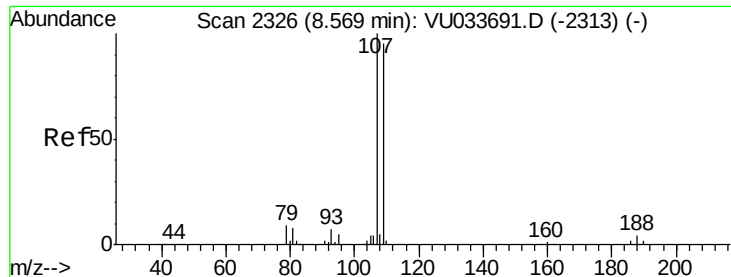
#49
Dibromochloromethane
Concen: 48.789 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033694.D
Acq: 09 Aug 2019 19:22

Tgt Ion:	129	Resp:	164613
Ion	Ratio	Lower	Upper
129	100		
127	75.2	53.3	98.9



Abundance Ion 129.00 (128.70 to 129.70): VU033694.D (-2278) (-)
Ion 127.00 (126.70 to 127.70): VU033694.D (-2278) (-)

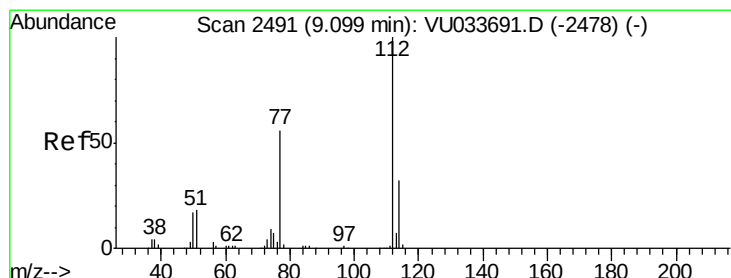
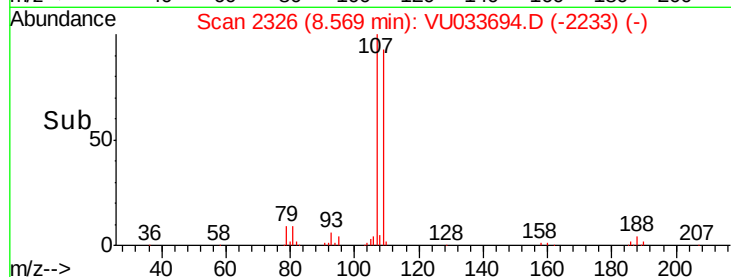
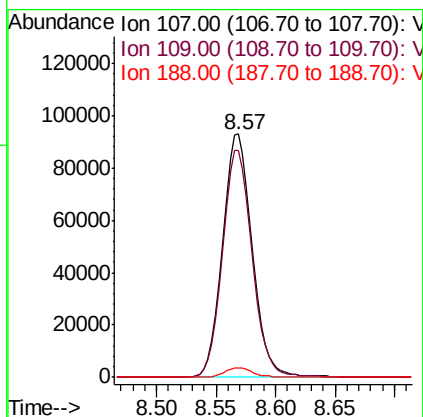
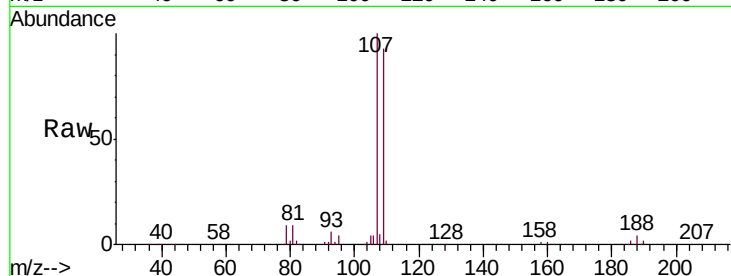




#50
1,2-Dibromoethane
Concen: 48.229 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033694.D
Acq: 09 Aug 2019 19:22

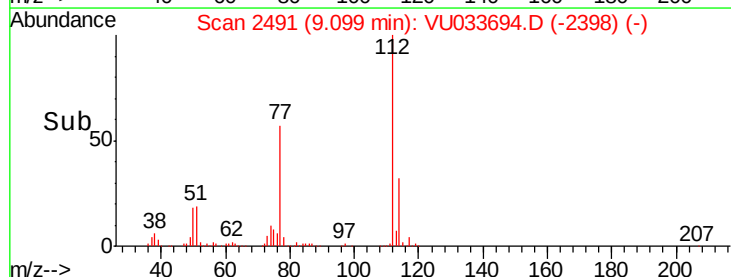
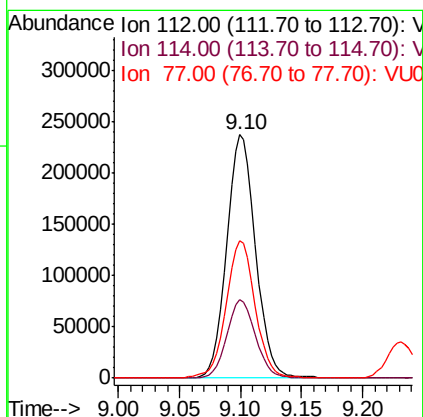
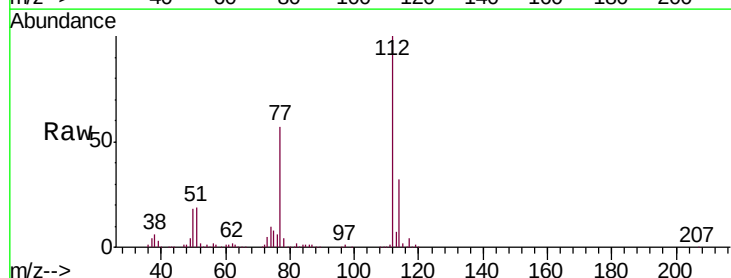
Instrument :
MSVOA_U
ClientSampleId :
VICV31

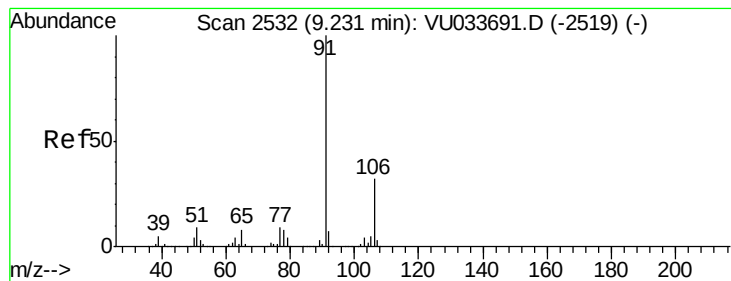
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.0	66.4	123.4
188	3.8	3.2	4.8



#51
Chlorobenzene
Concen: 47.848 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033694.D
Acq: 09 Aug 2019 19:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.9
77	56.7	45.3	67.9





#52

Ethylbenzene

Concen: 48.374 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

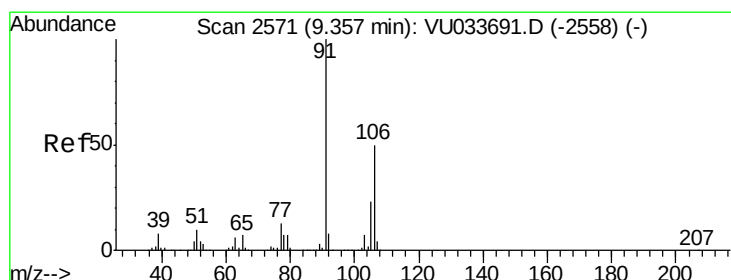
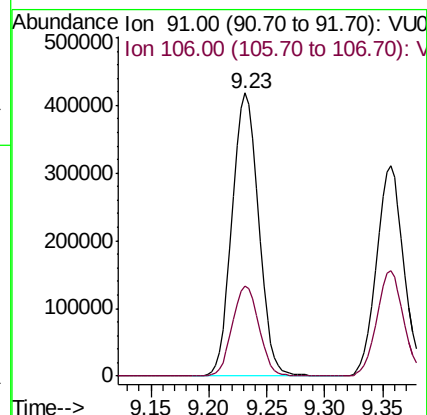
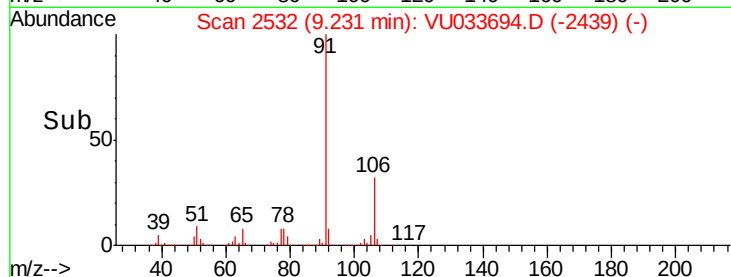
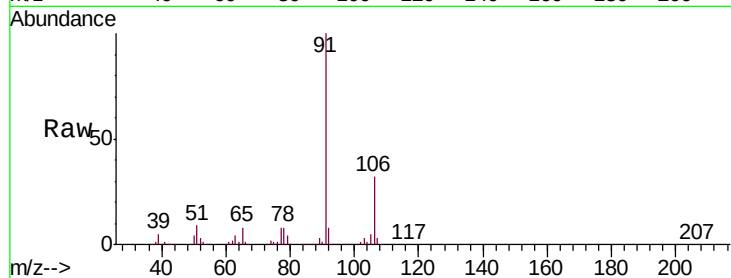
VICV31

Tgt Ion: 91 Resp: 660739

Ion Ratio Lower Upper

91 100

106 31.9 22.5 41.7



#53

m,p-Xylene

Concen: 48.664 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033694.D

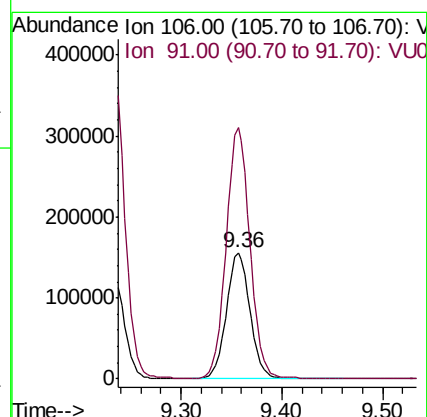
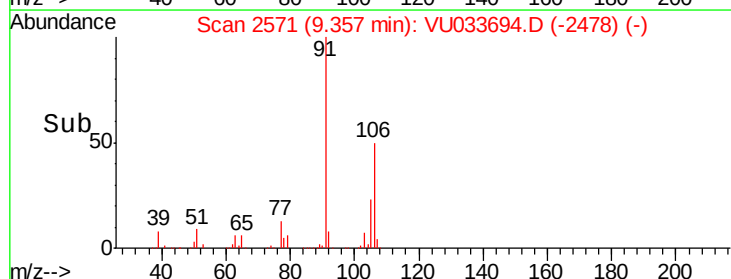
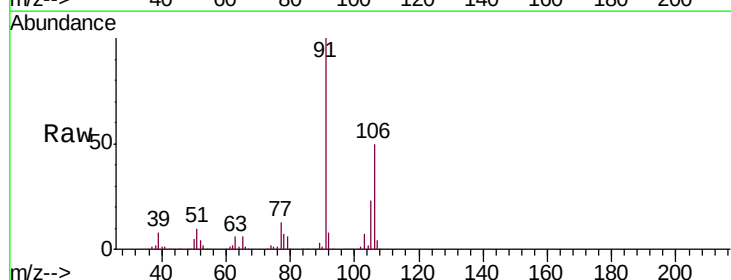
Acq: 09 Aug 2019 19:22

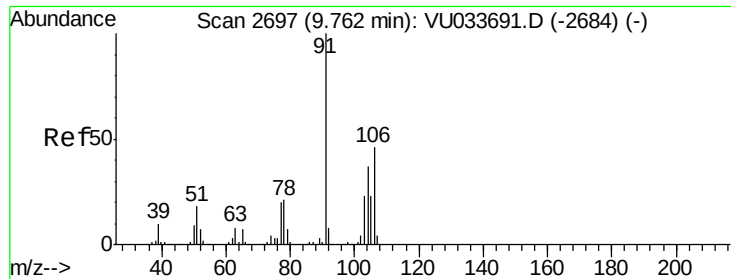
Tgt Ion: 106 Resp: 253729

Ion Ratio Lower Upper

106 100

91 199.2 138.8 257.8





#54

o-xylene

Concen: 48.555 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

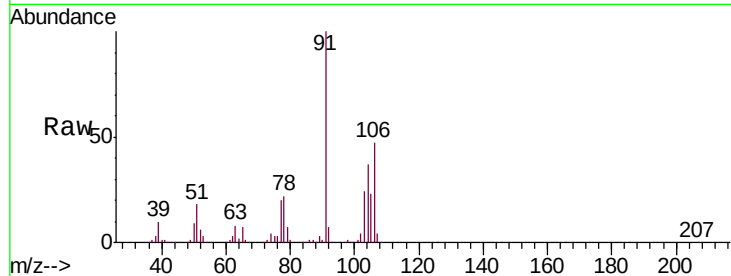
VICV31

Tgt Ion:106 Resp: 250225

Ion Ratio Lower Upper

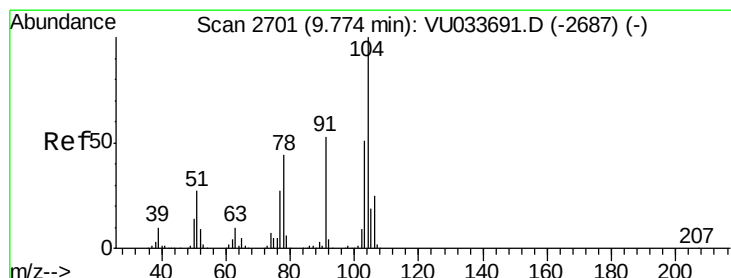
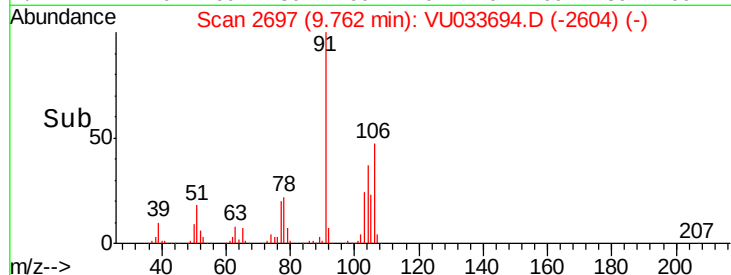
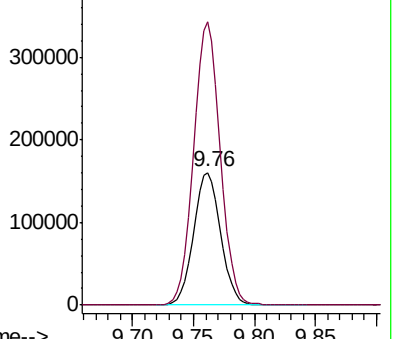
106 100

91 213.0 150.9 280.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.340 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033694.D

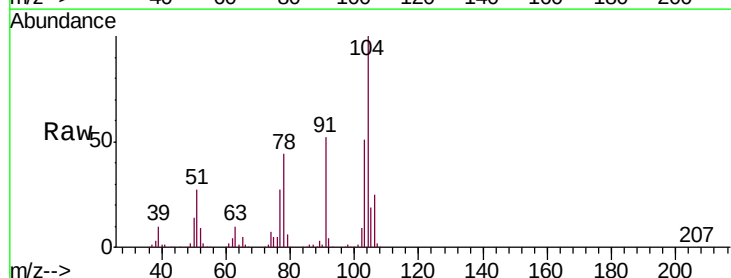
Acq: 09 Aug 2019 19:22

Tgt Ion:104 Resp: 426680

Ion Ratio Lower Upper

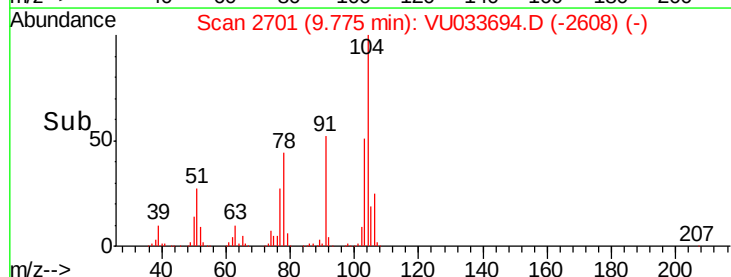
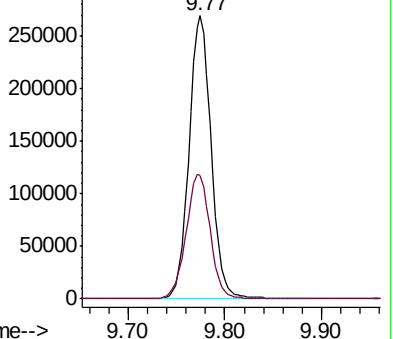
104 100

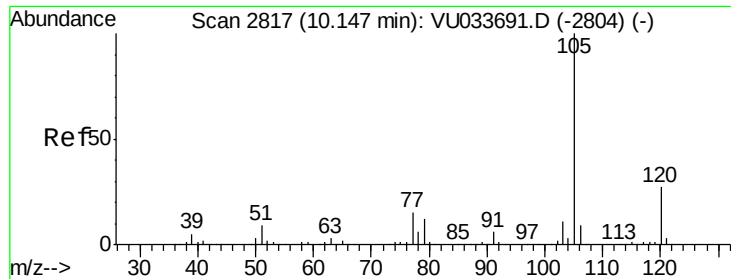
78 43.7 31.0 57.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.395 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampled :

VICV31

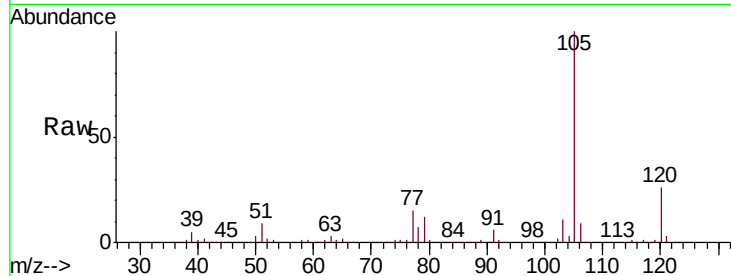
Tgt Ion: 105 Resp: 654487

Ion Ratio Lower Upper

105 100

120 26.6 21.6 32.4

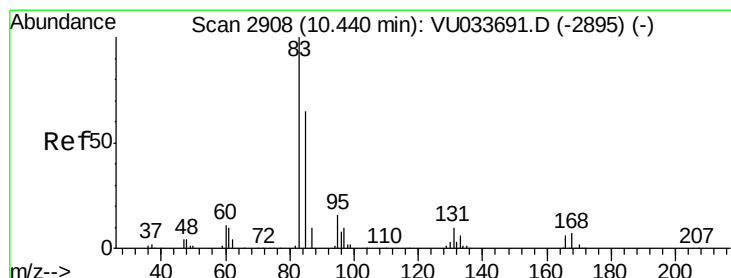
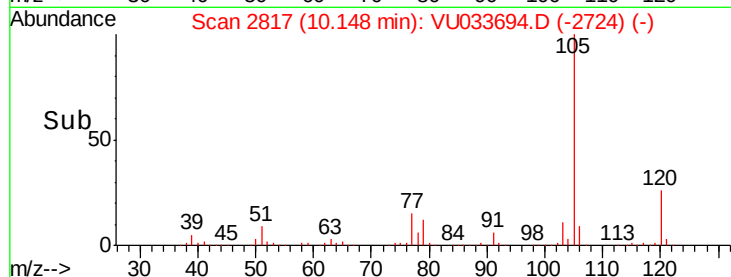
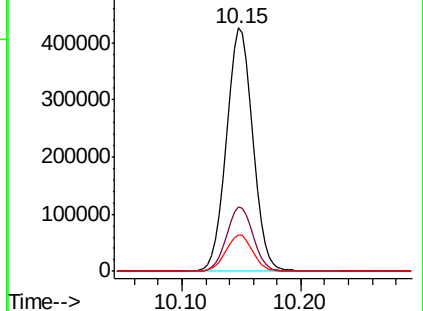
77 15.3 12.3 18.5



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: 48.039 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

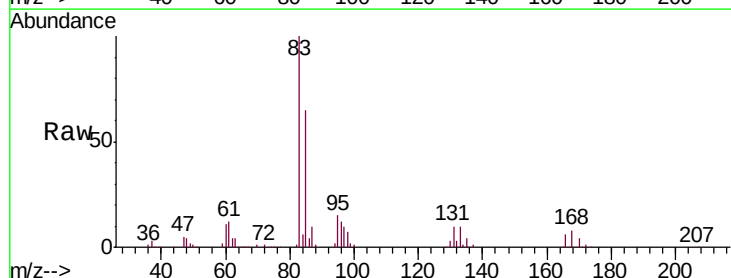
Tgt Ion: 83 Resp: 254112

Ion Ratio Lower Upper

83 100

85 64.8 45.8 85.0

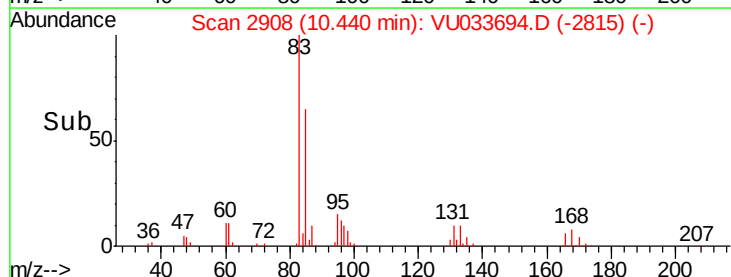
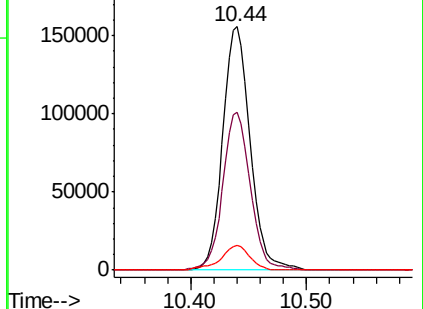
131 10.1 8.1 12.1

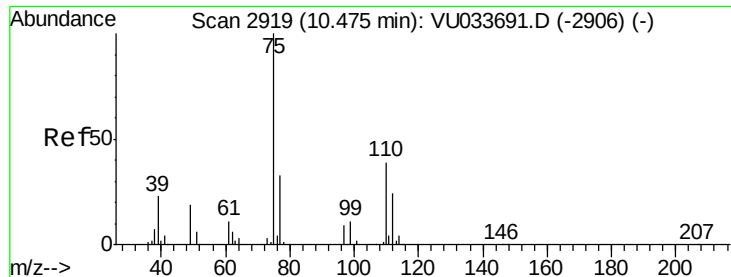


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

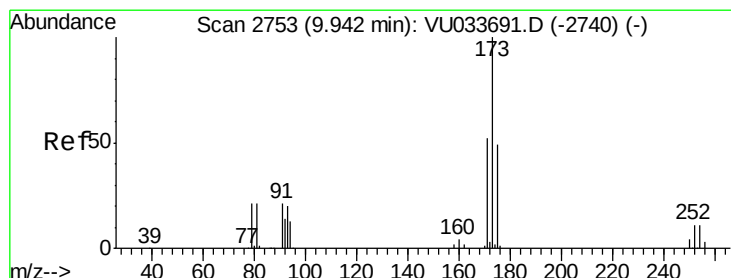
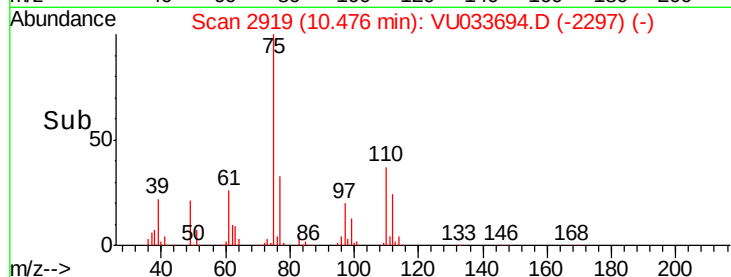
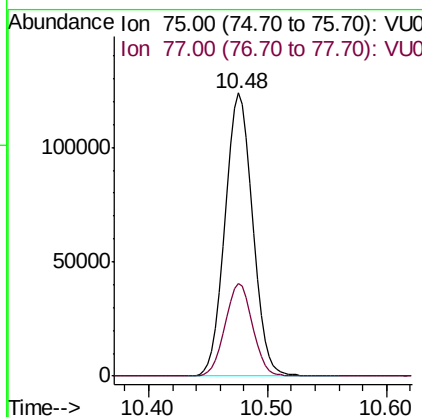
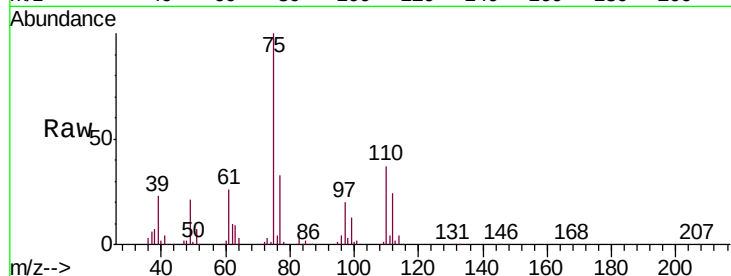




#59
 1,2,3-Trichloropropane
 Concen: 47.995 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

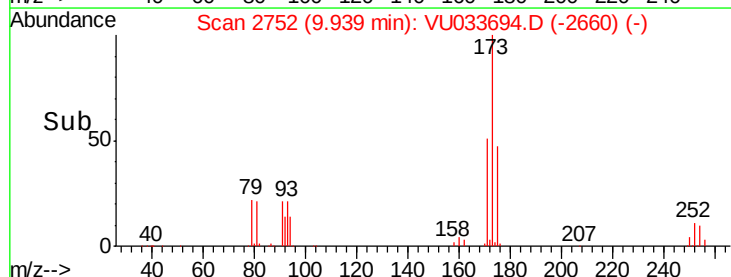
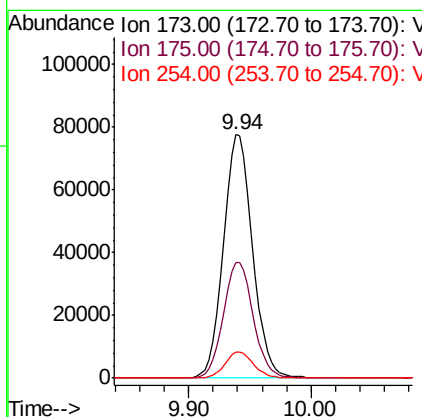
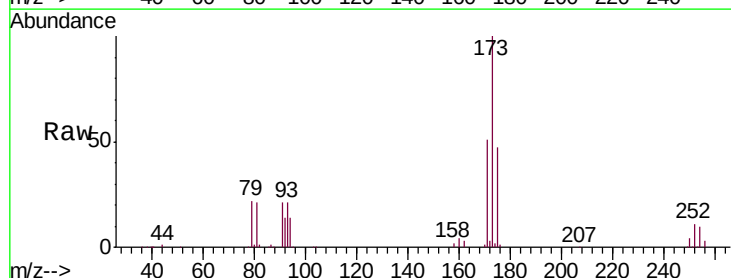
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

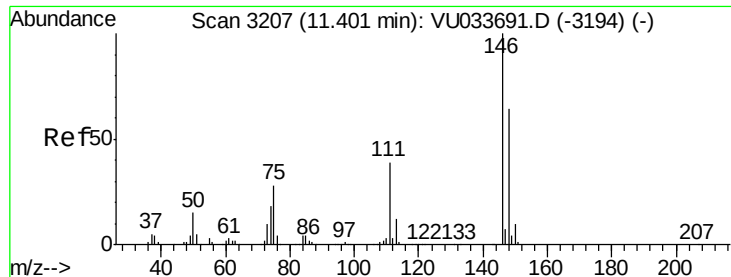
Tgt Ion: 75 Resp: 199856
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.4 39.6



#61
 Bromoform
 Concen: 49.389 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. -0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

Tgt Ion: 173 Resp: 130298
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.8 59.8
 254 10.3 8.4 12.6

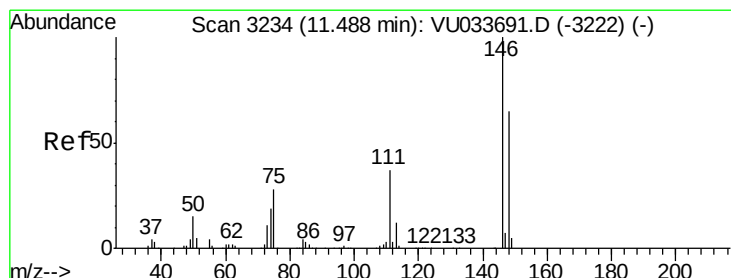
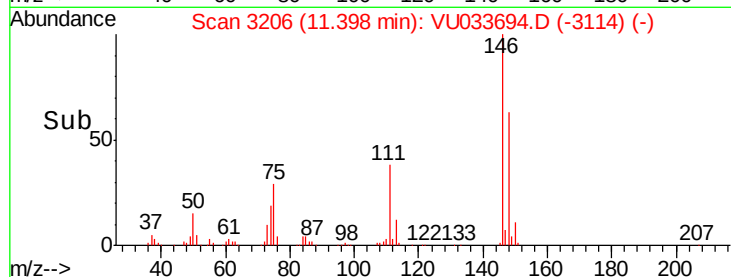
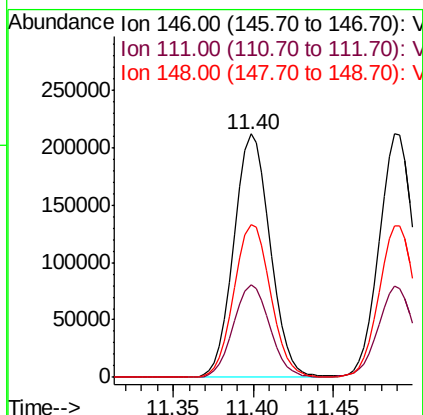
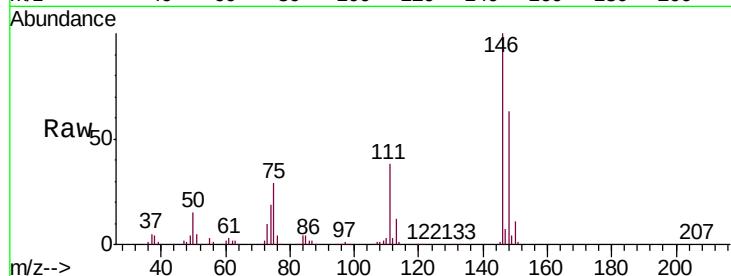




#62
 1,3-Dichlorobenzene
 Concen: 48.936 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

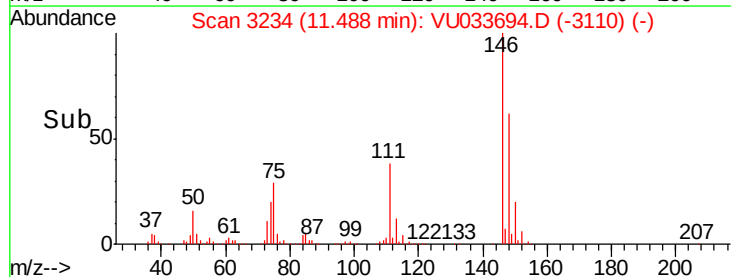
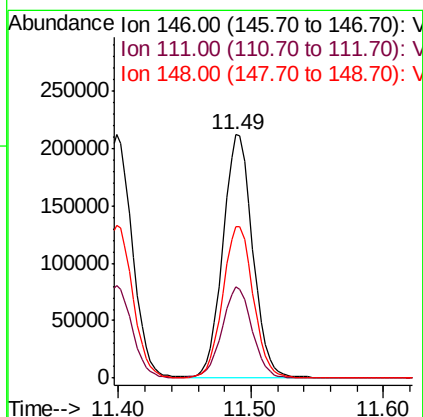
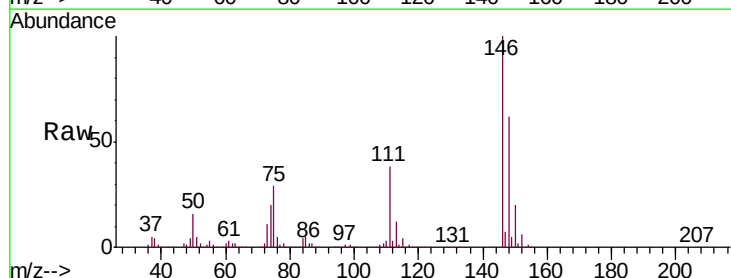
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

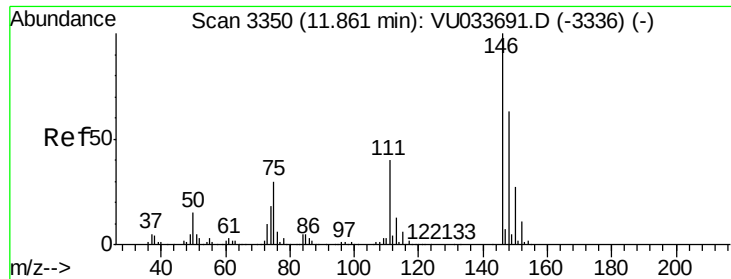
Tgt Ion:146 Resp: 327402
 Ion Ratio Lower Upper
 146 100
 111 38.0 27.0 50.2
 148 63.0 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 48.684 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

Tgt Ion:146 Resp: 329918
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.0 48.4
 148 62.4 45.3 84.1

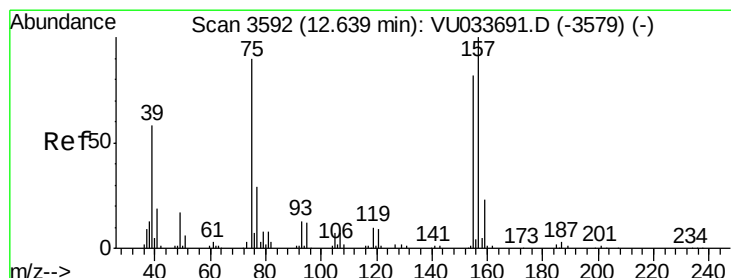
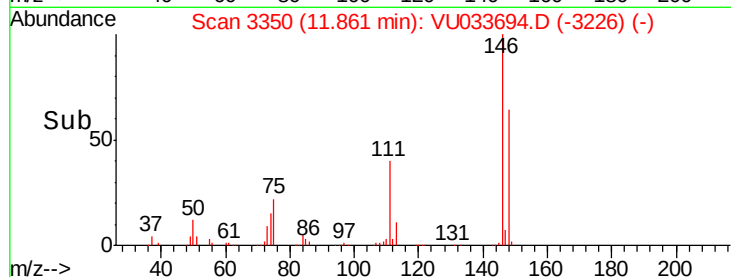
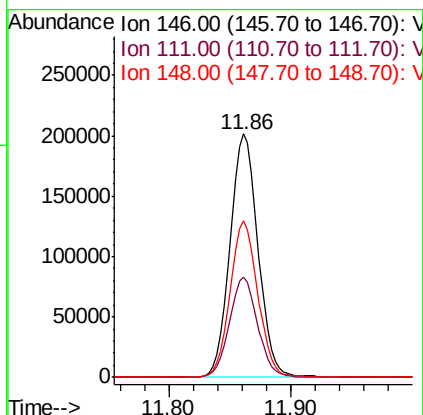
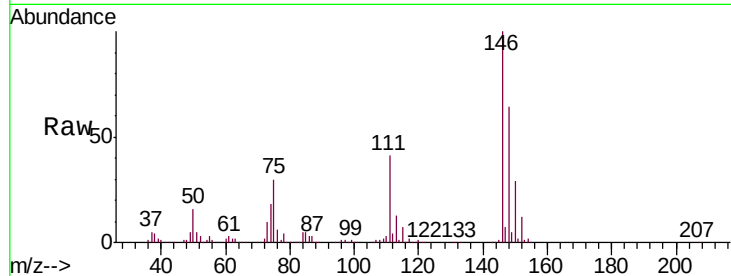




#65
 1,2-Dichlorobenzene
 Concen: 48.793 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

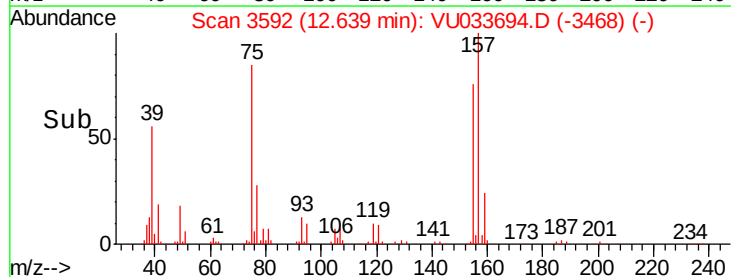
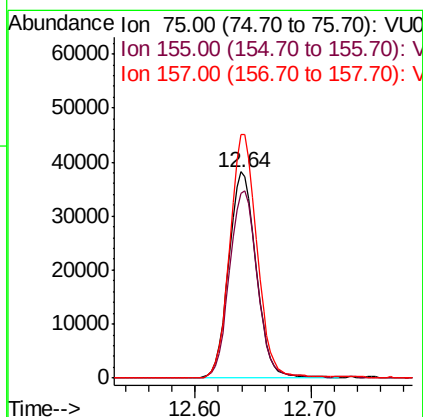
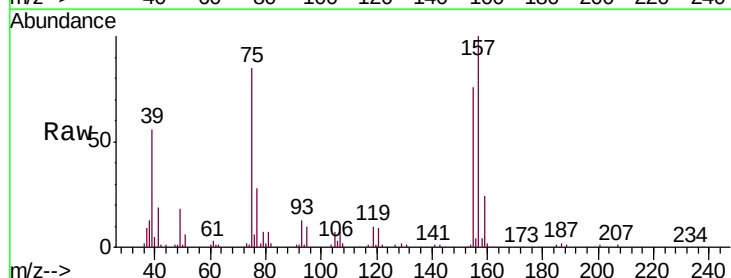
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

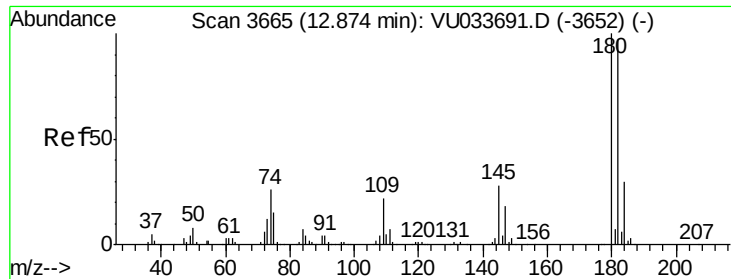
Tgt Ion: 146 Resp: 322723
 Ion Ratio Lower Upper
 146 100
 111 41.2 32.2 48.2
 148 64.1 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.083 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

Tgt Ion: 75 Resp: 62582
 Ion Ratio Lower Upper
 75 100
 155 89.5 72.7 109.1
 157 118.1 88.6 132.8

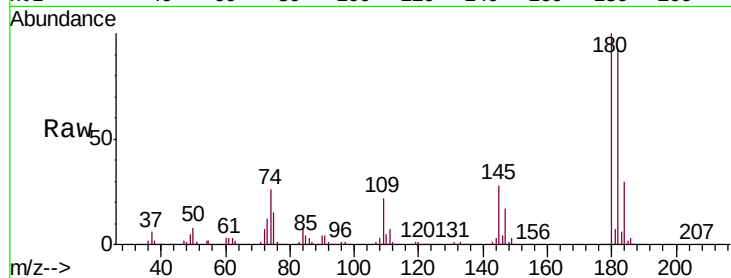




#67
 1,3,5-Trichlorobenzene
 Concen: 50.286 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. -0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
184	30.0	24.2	36.2
145	27.8	22.3	33.5



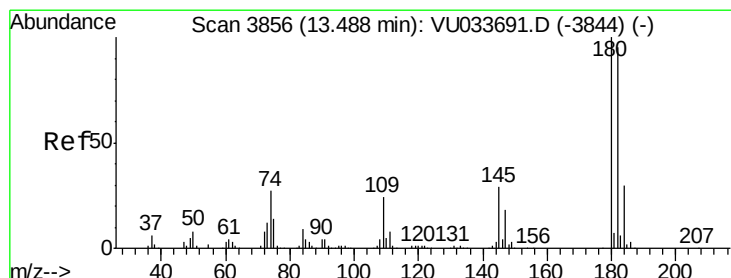
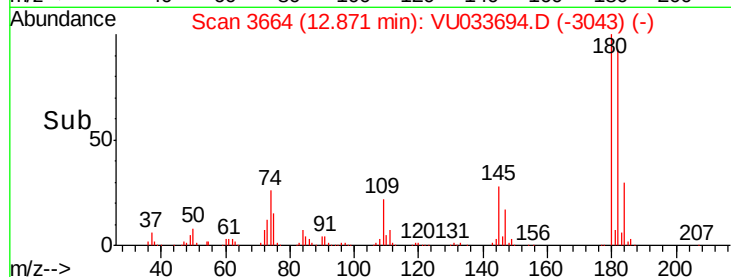
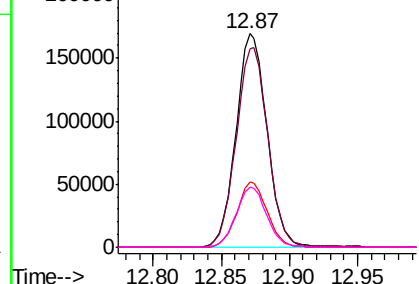
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

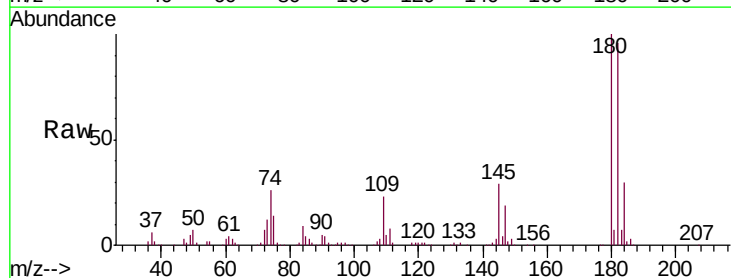
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.255 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033694.D
 Acq: 09 Aug 2019 19:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.2	117.4
145	28.1	23.5	35.3

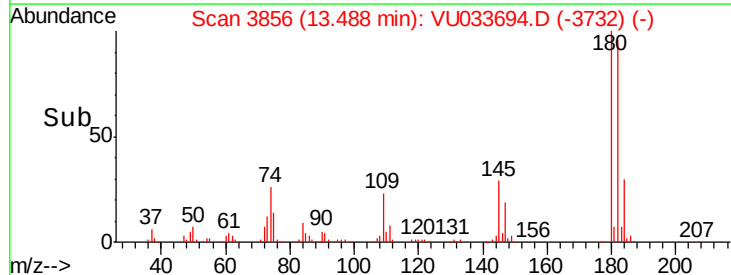
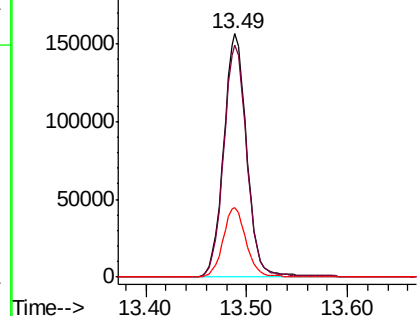


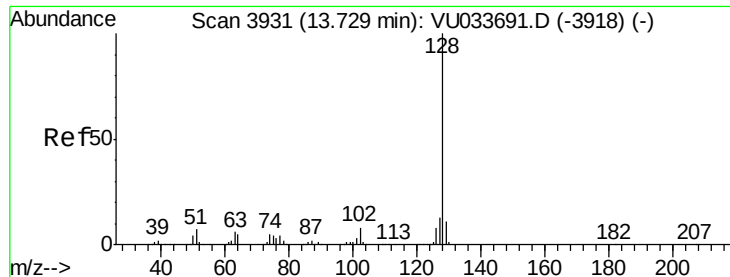
Abundance

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





#69

Naphthalene

Concen: 53.787 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. -0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

VICV31

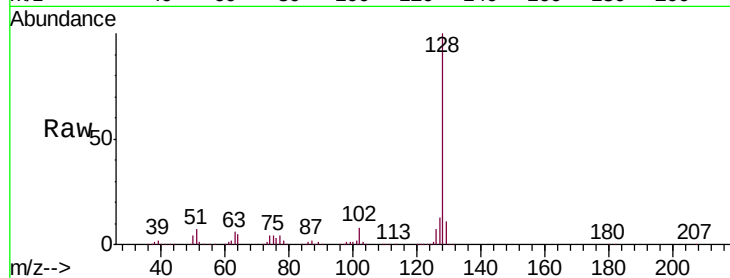
Tgt Ion:128 Resp: 775997

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

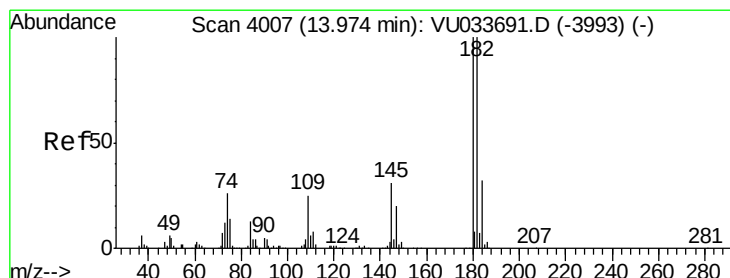
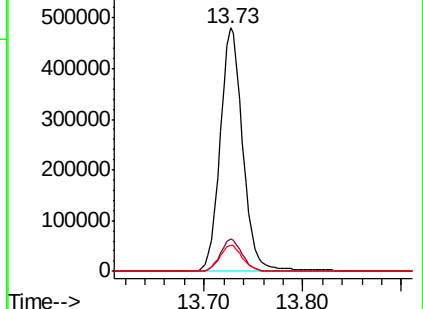
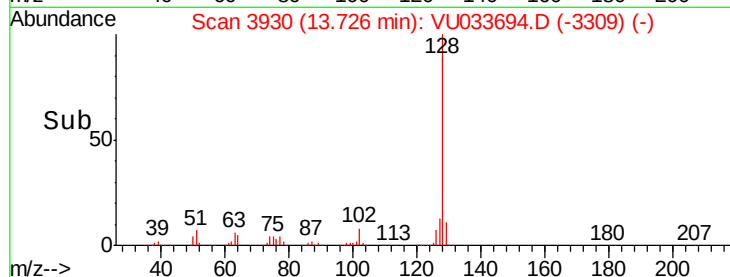
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.103 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033694.D

Acq: 09 Aug 2019 19:22

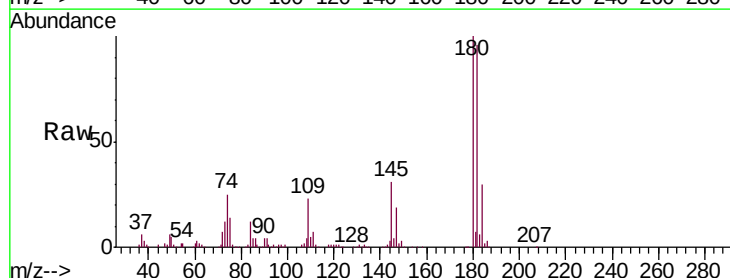
Tgt Ion:180 Resp: 259450

Ion Ratio Lower Upper

180 100

182 94.7 78.5 117.7

145 30.2 24.6 37.0



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

