

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081319\
 Data File : VU033780.D
 Acq On : 13 Aug 2019 11:17
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

Quant Time: Aug 14 04:20:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 04:16:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	452584	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	437663	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	230526	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	204329	47.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.06%
7) Chloroethane-d5	1.67	69	207148	51.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.48%
11) 1,1-Dichloroethene-d2	2.26	63	331689	47.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.50%
21) 2-Butanone-d5	4.16	46	247995	103.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.71%
24) Chloroform-d	4.62	84	317133	47.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.48%
26) 1,2-Dichloroethane-d4	5.29	65	198306	47.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.44%
32) Benzene-d6	5.32	84	637924	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.76%
36) 1,2-Dichloropropane-d6	6.31	67	202255	49.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.84%
41) Toluene-d8	7.55	98	601953	51.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.96%
43) trans-1,3-Dichloropropene-	7.83	79	100333	51.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.78%
47) 2-Hexanone-d5	8.30	63	181879	112.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.18%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	284355	49.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.34%
66) 1,2-Dichlorobenzene-d4	11.84	152	238531	51.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	210412	46.639 ug/L	99
3) Chloromethane	1.32	50	214059	45.700 ug/L	100
5) Vinyl chloride	1.39	62	237909	46.904 ug/L	98
6) Bromomethane	1.62	94	165248	44.385 ug/L	98
8) Chloroethane	1.69	64	172301	47.530 ug/L	98
9) Trichlorofluoromethane	1.87	101	295959	45.410 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	149568	46.888 ug/L	97
12) 1,1-Dichloroethene	2.27	96	145608	46.394 ug/L	99
13) Acetone	2.32	43	209634	96.248 ug/L	100
14) Carbon disulfide	2.46	76	466094	46.910 ug/L	100
15) Methyl Acetate	2.60	43	166116	45.626 ug/L	98
16) Methylene chloride	2.68	84	165445	46.173 ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	152263	46.617 ug/L	98
18) Methyl tert-butyl Ether	2.98	73	470156	48.424 ug/L	100
19) 1,1-Dichloroethane	3.42	63	286777	45.695 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	170669	47.585 ug/L	100
22) 2-Butanone	4.24	43	256714	97.021 ug/L	100

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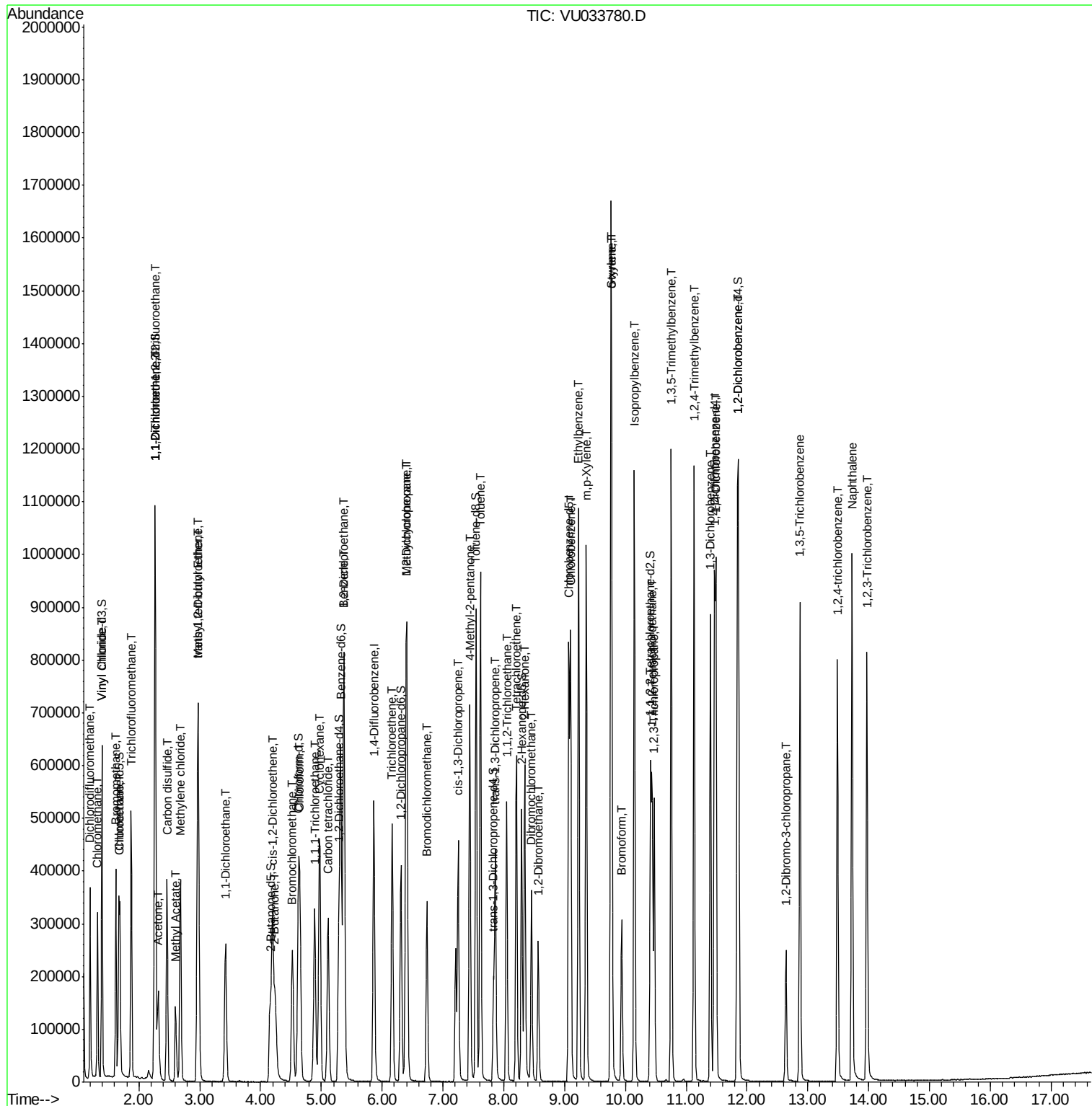
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	87844	47.267	ug/L	98
25) Chloroform	4.65	83	294663	45.177	ug/L	99
27) 1,2-Dichloroethane	5.38	62	233346	46.056	ug/L	98
29) Cyclohexane	4.97	56	246944	51.336	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	251917	46.928	ug/L	99
31) Carbon tetrachloride	5.11	117	227219	47.658	ug/L	98
33) Benzene	5.37	78	647835	48.381	ug/L	100
34) Trichloroethene	6.16	95	166897	47.048	ug/L	98
35) Methylcyclohexane	6.40	83	264292	51.116	ug/L	98
37) 1,2-Dichloropropane	6.41	63	172749	47.346	ug/L	100
38) Bromodichloromethane	6.74	83	221370	47.021	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	273455	50.772	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	457882	100.862	ug/L	99
42) Toluene	7.62	91	697144	49.296	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	247259	50.402	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	160514	46.614	ug/L	98
46) Tetrachloroethene	8.21	164	137364	49.373	ug/L	99
48) 2-Hexanone	8.34	43	373064	107.360	ug/L	100
49) Dibromochloromethane	8.46	129	185753	48.318	ug/L	98
50) 1,2-Dibromoethane	8.57	107	175205	48.501	ug/L	98
51) Chlorobenzene	9.10	112	444440	48.289	ug/L	98
52) Ethylbenzene	9.23	91	750395	50.426	ug/L	100
53) m,p-Xylene	9.36	106	286554	51.513	ug/L	99
54) o-xylene	9.76	106	280239	51.208	ug/L	99
55) Styrene	9.77	104	486525	52.371	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.44	83	272717	47.353	ug/L	99
59) Bromoform	9.94	173	139307	47.300	ug/L	100
60) 1,2,3-Trichloropropane	10.48	75	217606	46.914	ug/L	99
61) Isopropylbenzene	10.15	105	727403	50.969	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	613394	53.239	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	613258	53.644	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	359082	50.154	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	368189	50.175	ug/L	100
67) 1,2-Dichlorobenzene	11.86	146	359976	49.478	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	63594	49.161	ug/L	100
69) 1,3,5-Trichlorobenzene	12.87	180	282040	52.152	ug/L	100
70) 1,2,4-trichlorobenzene	13.49	180	252987	56.403	ug/L	99
71) Naphthalene	13.73	128	800075	59.924	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	260521	55.409	ug/L	99

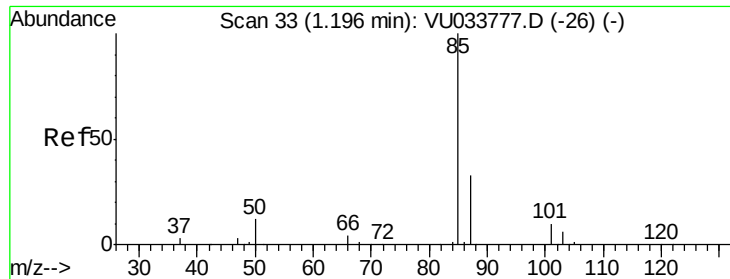
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.639 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

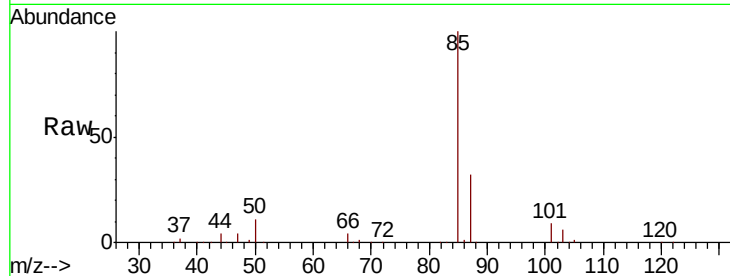
VICV32

Tgt Ion: 85 Resp: 210412

Ion Ratio Lower Upper

85 100

87 32.6 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU033777.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033777.D (-26) (-)

1.20

200000

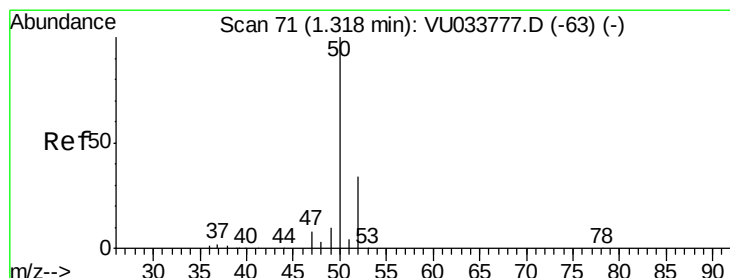
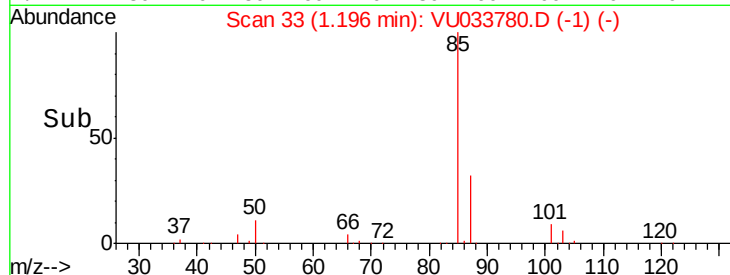
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 45.700 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033780.D

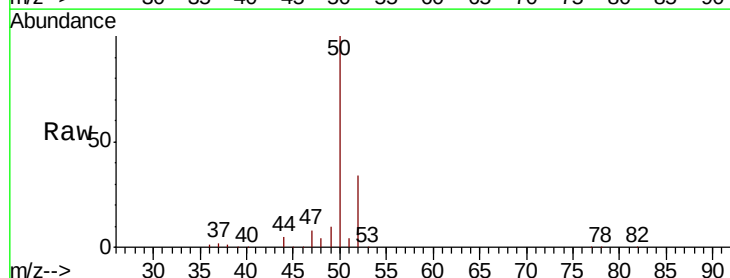
Acq: 13 Aug 2019 11:17

Tgt Ion: 50 Resp: 214059

Ion Ratio Lower Upper

50 100

52 33.6 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VU033777.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU033777.D (-63) (-)

1.32

200000

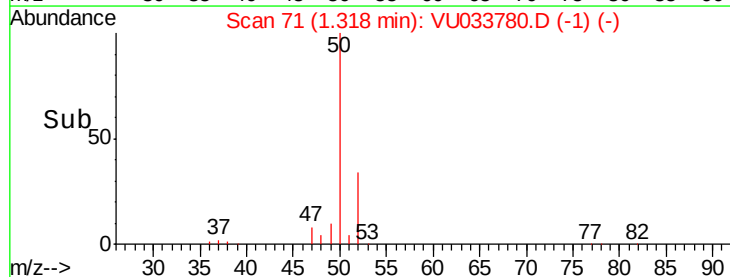
150000

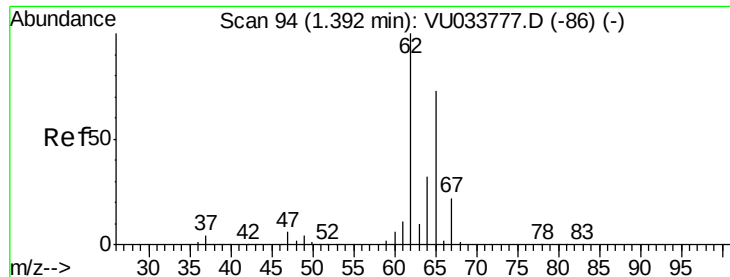
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.904 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

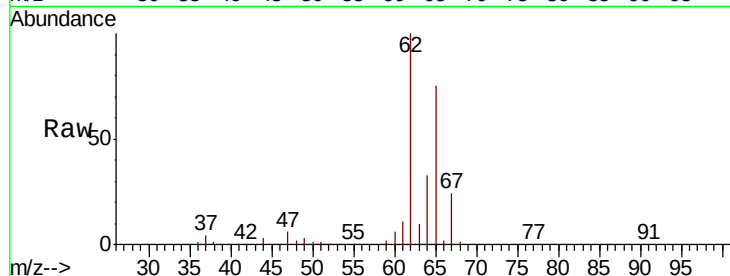
VICV32

Tgt Ion: 62 Resp: 237909

Ion Ratio Lower Upper

62 100

64 32.8 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.39

250000

200000

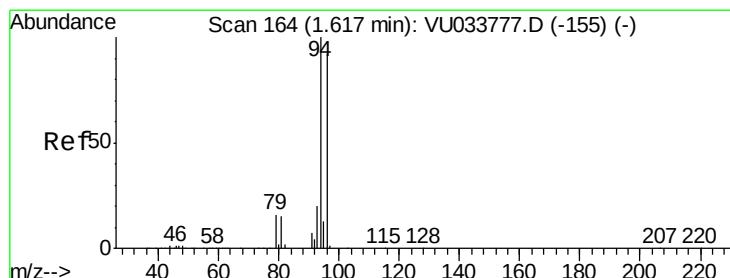
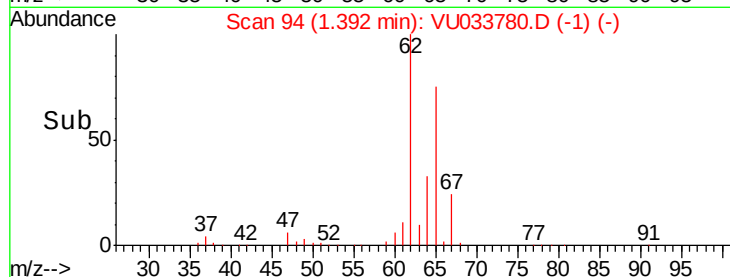
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 44.385 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033780.D

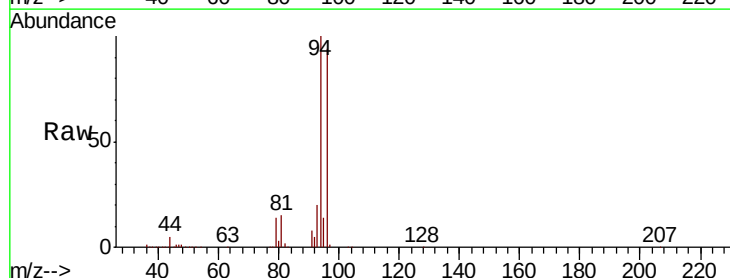
Acq: 13 Aug 2019 11:17

Tgt Ion: 94 Resp: 165248

Ion Ratio Lower Upper

94 100

96 93.8 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

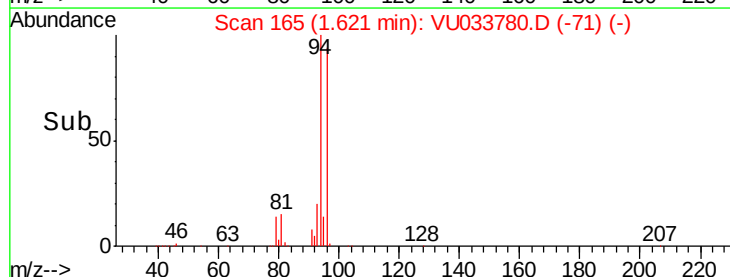
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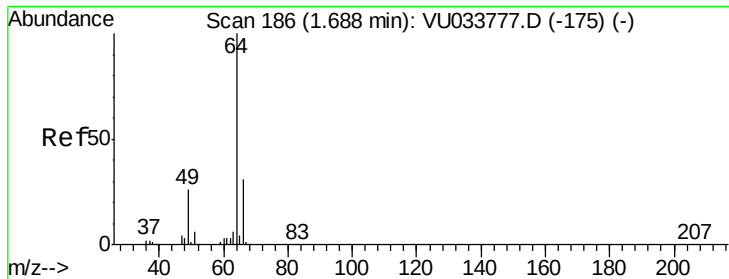
100000

50000

0

Time-->





#8

Chloroethane

Concen: 47.530 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

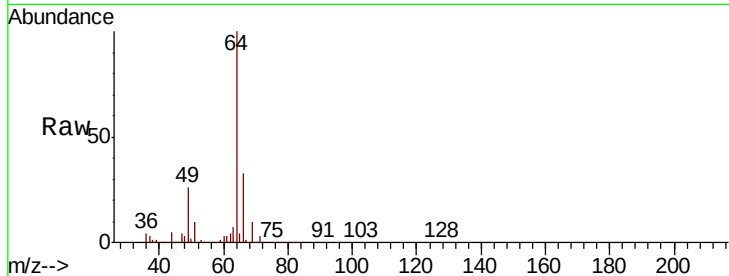
VICV32

Tgt Ion: 64 Resp: 172301

Ion Ratio Lower Upper

64 100

66 32.5 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU033777.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU033777.D (-175) (-)

1.69

150000

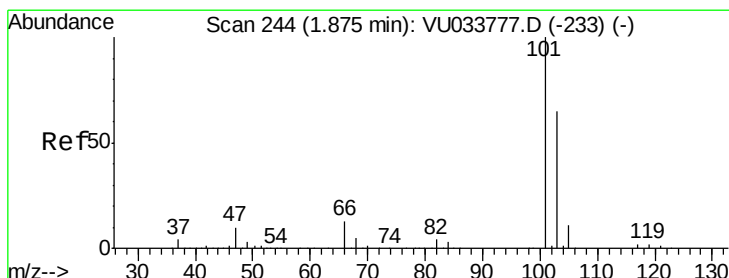
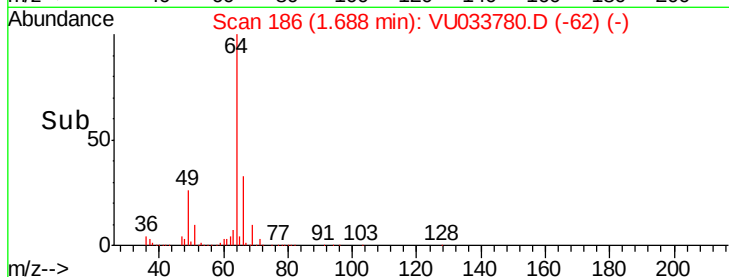
100000

50000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 45.410 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033780.D

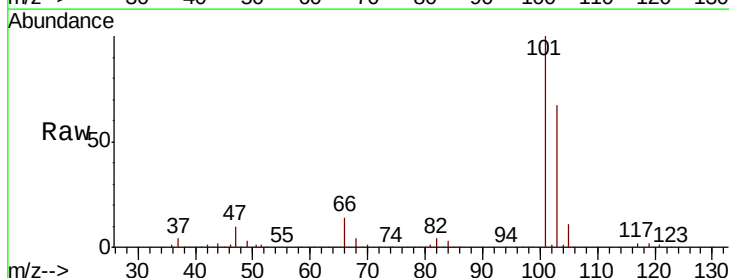
Acq: 13 Aug 2019 11:17

Tgt Ion: 101 Resp: 295959

Ion Ratio Lower Upper

101 100

103 65.0 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033777.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033777.D (-233) (-)

1.87

250000

200000

150000

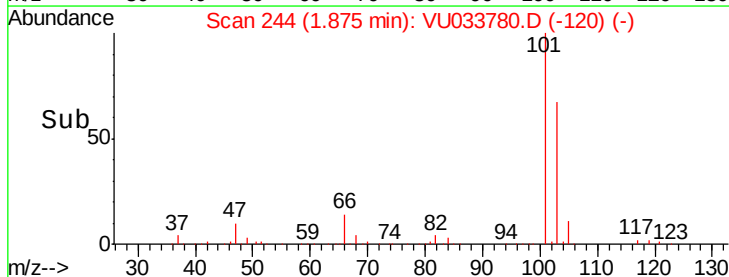
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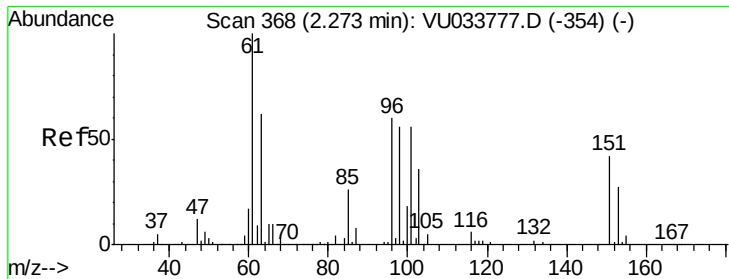
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 46.888 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

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MSVOA_U

ClientSampleId :

VICV32

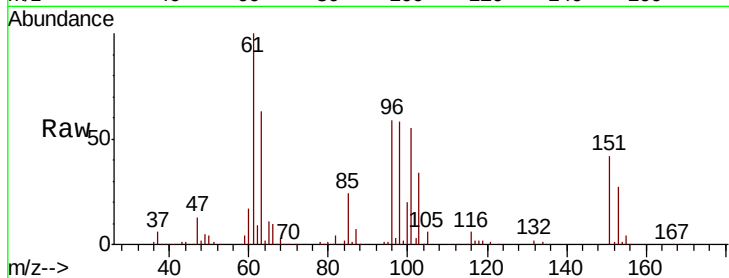
Tgt Ion: 101 Resp: 149568

Ion Ratio Lower Upper

101 100

85 43.5 35.2 52.8

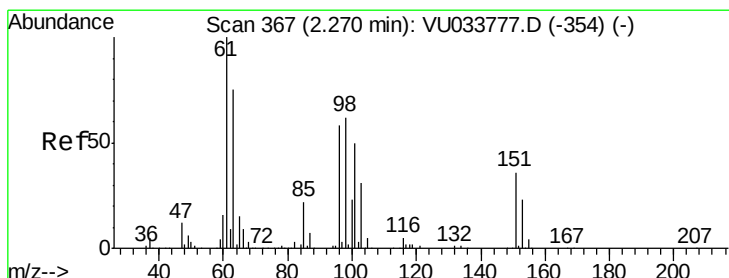
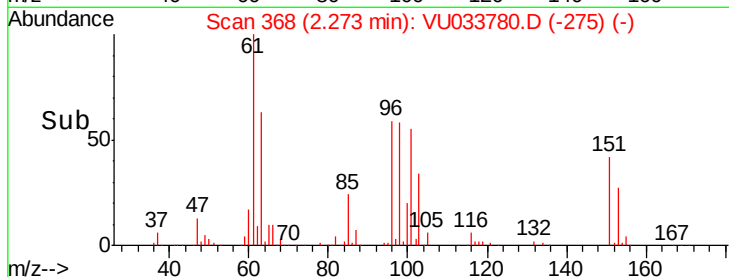
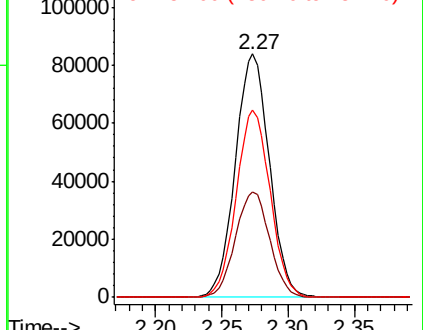
151 76.4 58.5 87.7



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: 46.394 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

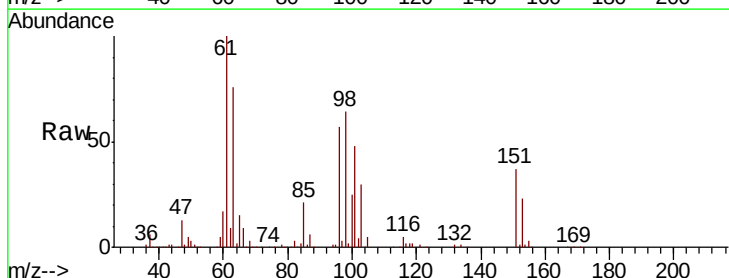
Tgt Ion: 96 Resp: 145608

Ion Ratio Lower Upper

96 100

61 174.9 121.5 225.7

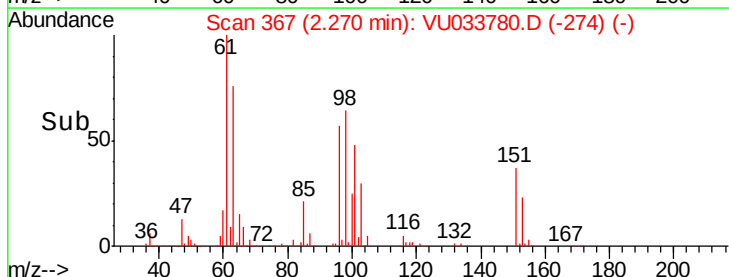
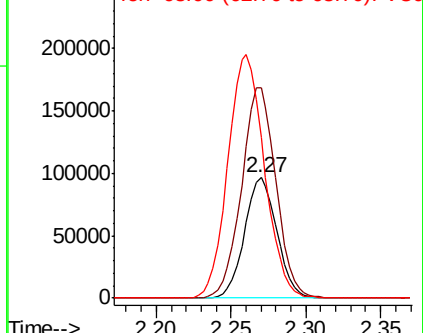
63 132.7 92.9 172.5

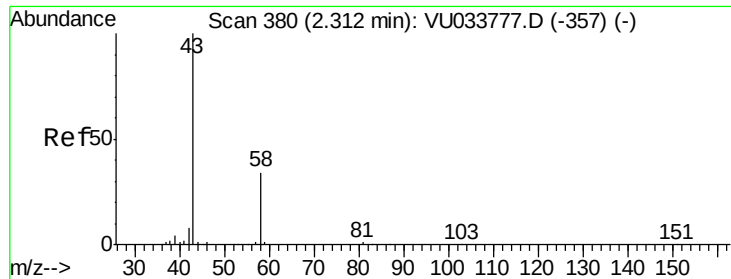


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 96.248 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU033780.D

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Instrument :

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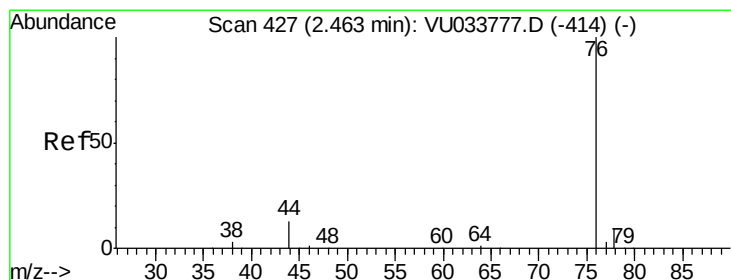
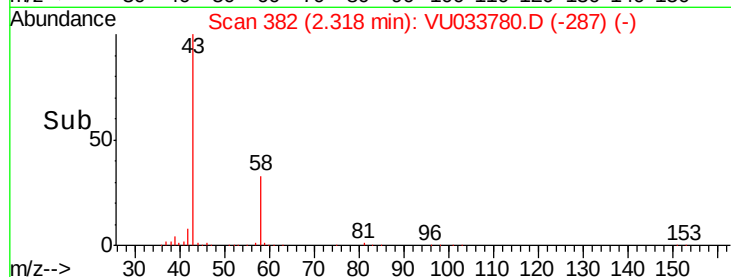
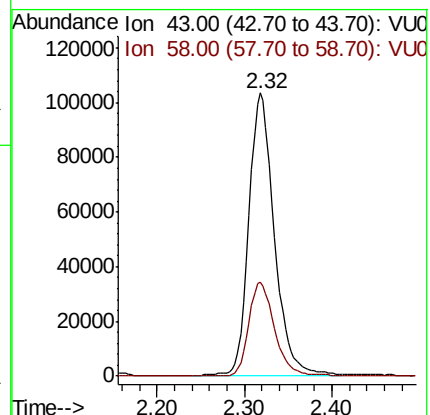
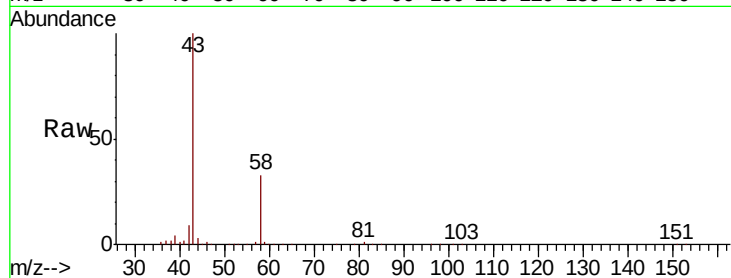
VICV32

Tgt Ion: 43 Resp: 209634

Ion Ratio Lower Upper

43 100

58 32.6 0.0 65.8



#14

Carbon disulfide

Concen: 46.910 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033780.D

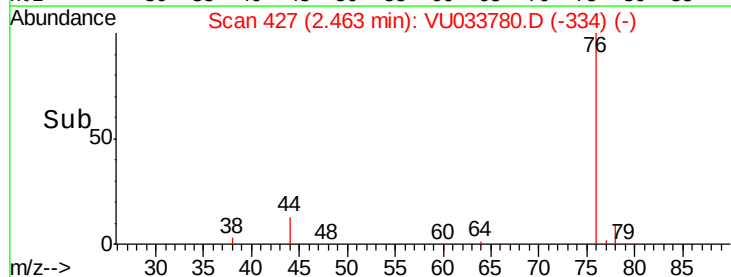
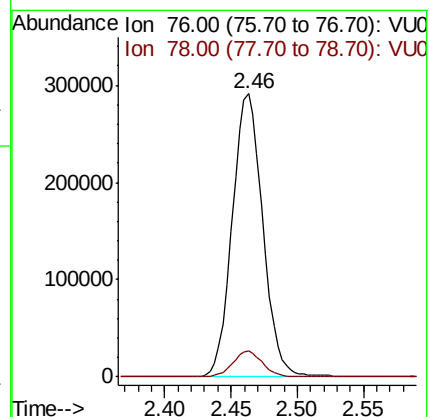
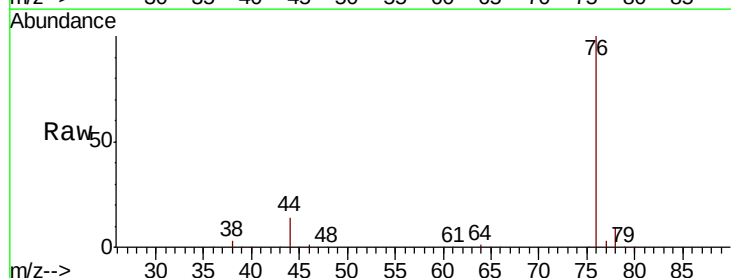
Acq: 13 Aug 2019 11:17

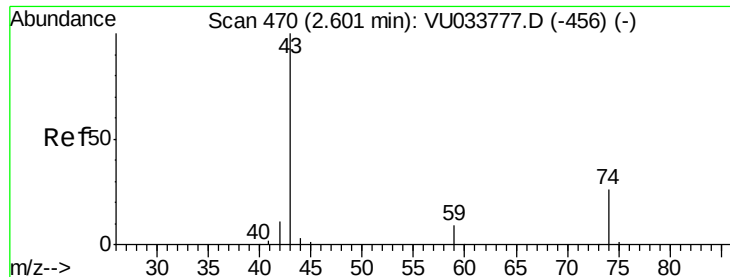
Tgt Ion: 76 Resp: 466094

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 45.626 ug/L

RT: 2.60 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

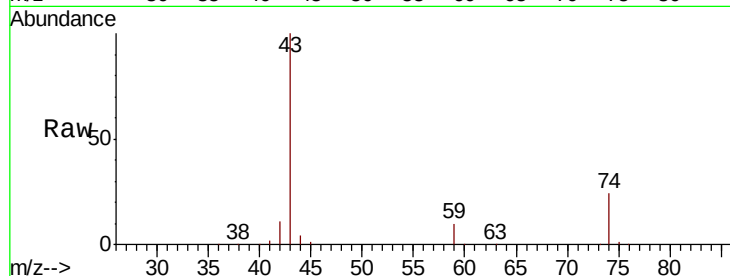
VICV32

Tgt Ion: 43 Resp: 166116

Ion Ratio Lower Upper

43 100

74 24.5 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VU033777.D (-456) (-)

Ion 74.00 (73.70 to 74.70): VU033777.D (-456) (-)

2.60

100000

80000

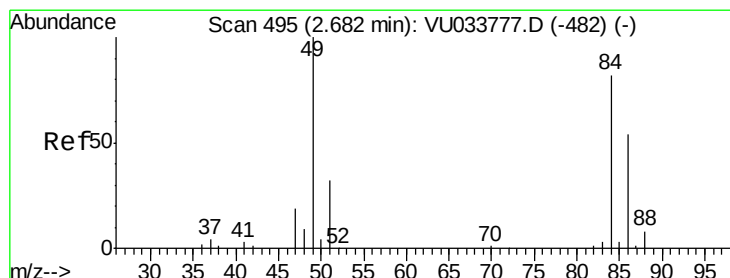
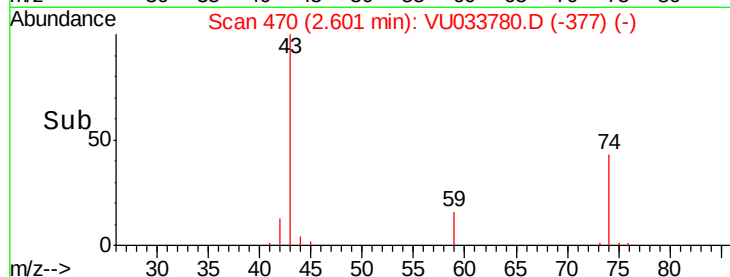
60000

40000

20000

0

Time-->



#16

Methylene chloride

Concen: 46.173 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

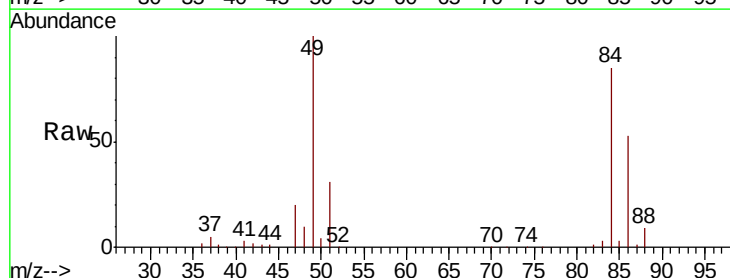
Tgt Ion: 84 Resp: 165445

Ion Ratio Lower Upper

84 100

86 63.1 45.4 84.4

49 118.3 84.9 157.7



Abundance Ion 84.00 (83.70 to 84.70): VU033777.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU033777.D (-482) (-)

Ion 49.00 (48.70 to 49.70): VU033777.D (-482) (-)

2.68

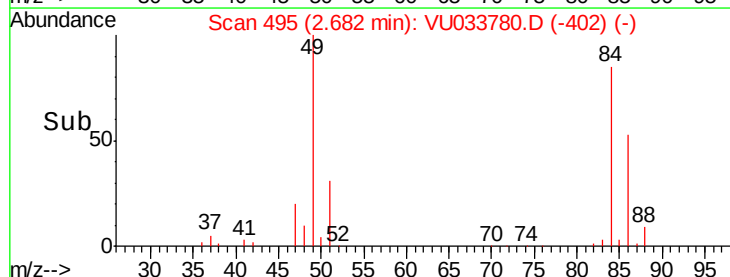
150000

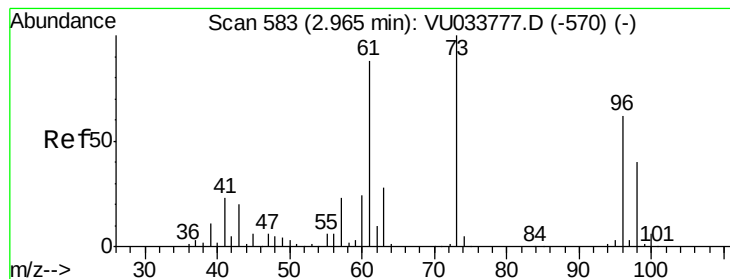
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 46.617 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampled :

VICV32

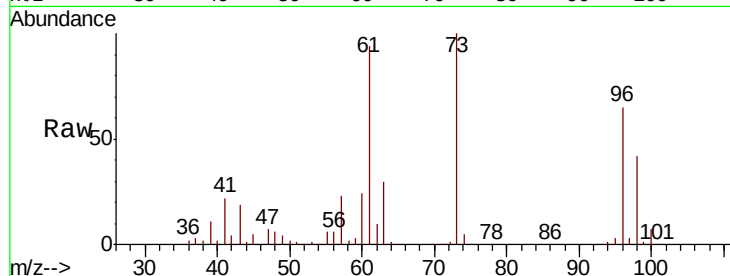
Tgt Ion: 96 Resp: 152263

Ion Ratio Lower Upper

96 100

61 143.8 98.8 183.6

98 64.5 44.6 82.8

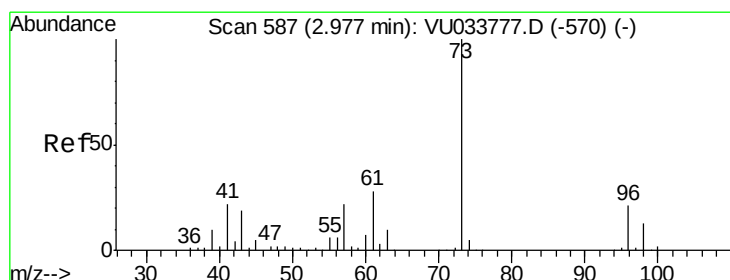
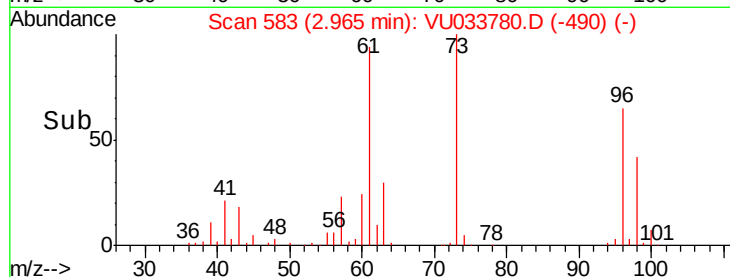
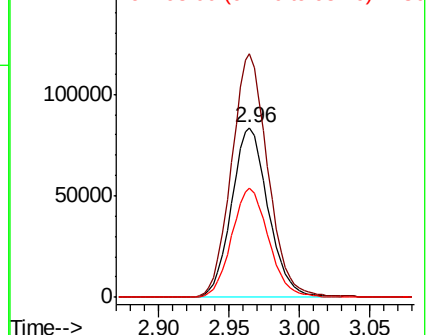


Abundance

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: 48.424 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

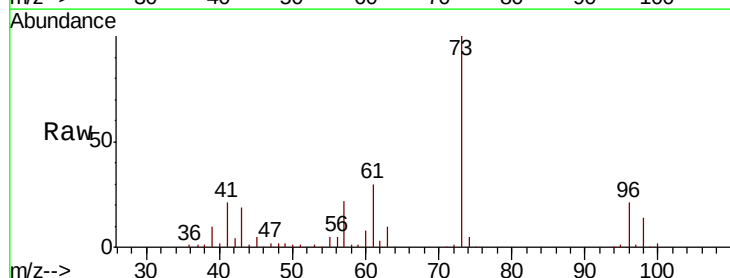
Tgt Ion: 73 Resp: 470156

Ion Ratio Lower Upper

73 100

43 19.1 15.4 23.2

57 22.2 17.9 26.9

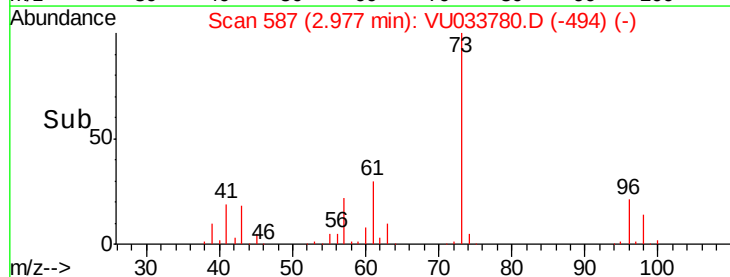
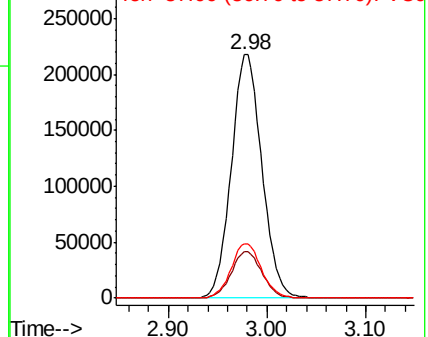


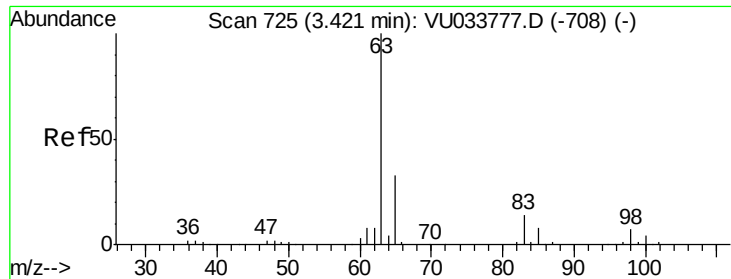
Abundance

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

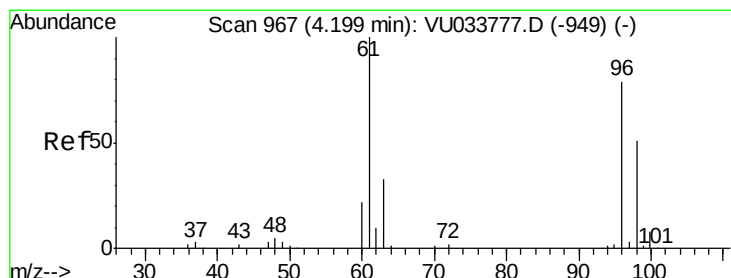
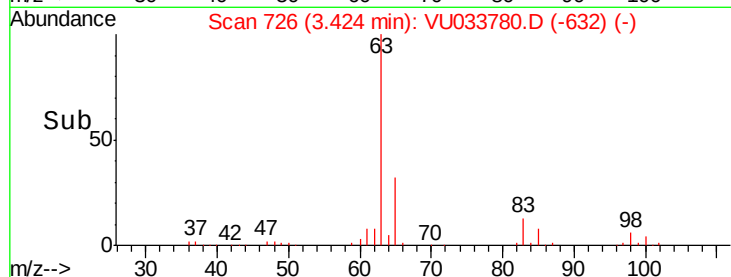
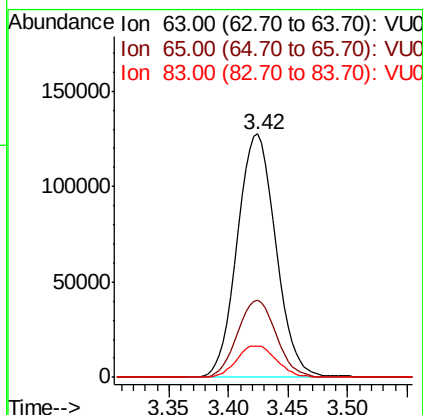
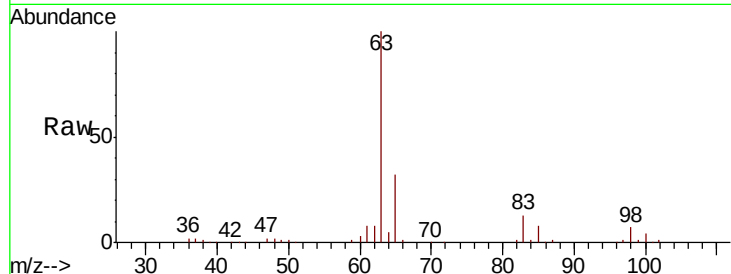




#19
 1,1-Dichloroethane
 Concen: 45.695 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

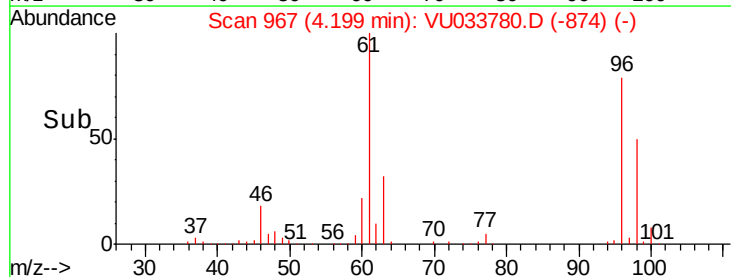
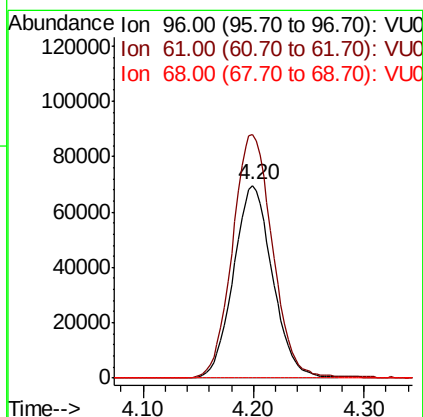
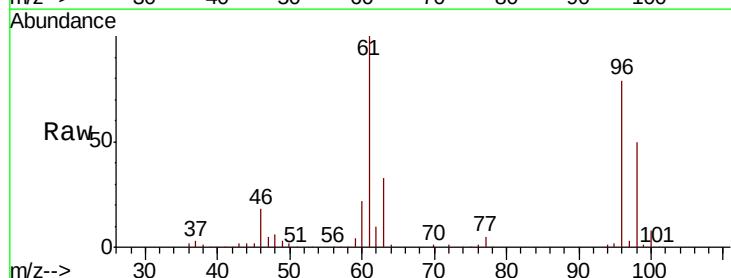
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

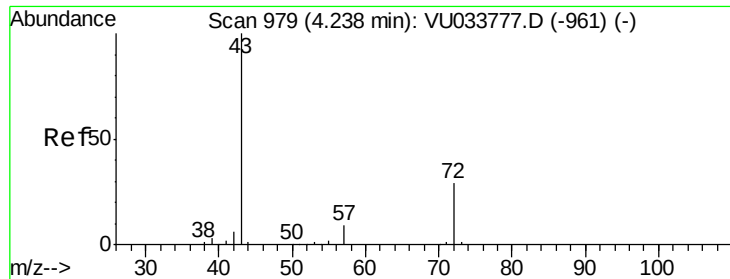
Tgt Ion: 63 Resp: 286777
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.8 42.4
 83 12.9 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 47.585 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

Tgt Ion: 96 Resp: 170669
 Ion Ratio Lower Upper
 96 100
 61 126.2 88.3 163.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.021 ug/L

RT: 4.24 min Scan# 981

Delta R.T. 0.01 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampled :

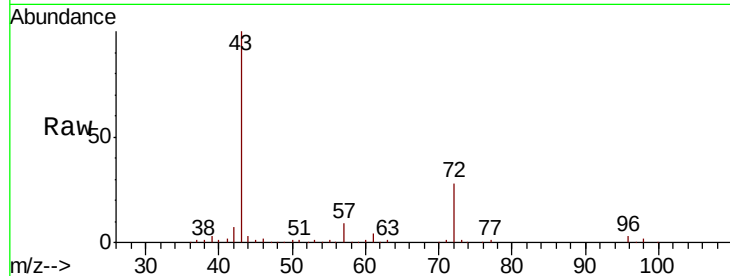
VICV32

Tgt Ion: 43 Resp: 256714

Ion Ratio Lower Upper

43 100

72 29.0 14.5 43.5



Abundance Ion 43.00 (42.70 to 43.70): VU033777.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU033777.D (-961) (-)

4.24

100000

80000

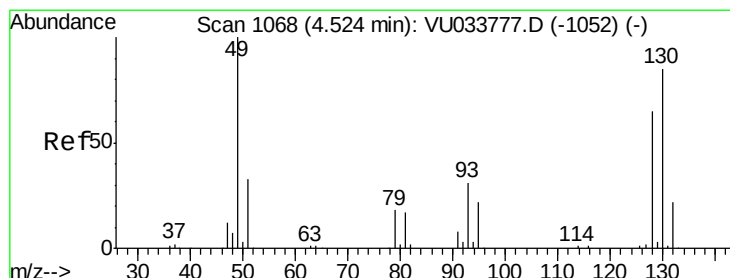
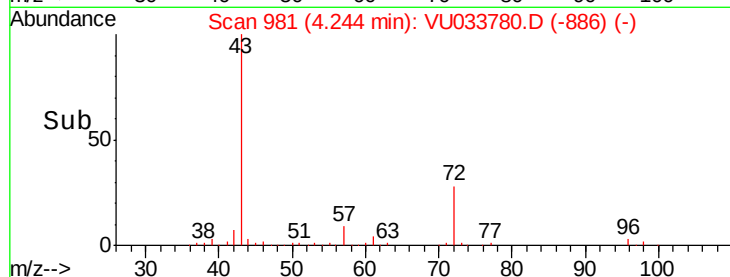
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 47.267 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Tgt Ion: 128 Resp: 87844

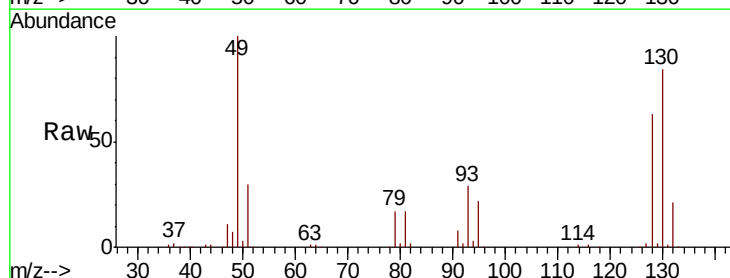
Ion Ratio Lower Upper

128 100

49 157.8 108.1 200.7

130 132.2 91.8 170.6

51 48.1 40.6 61.0



Abundance Ion 128.00 (127.70 to 128.70): VU033777.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033777.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033777.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033777.D (-1052) (-)

4.52

80000

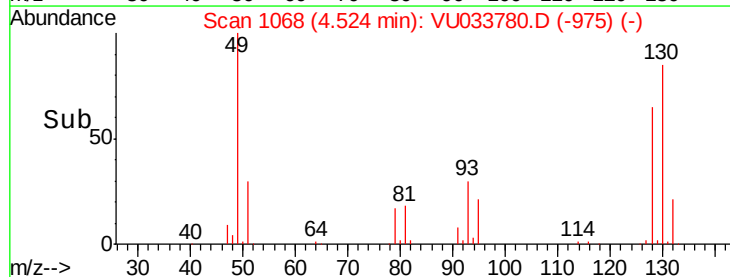
60000

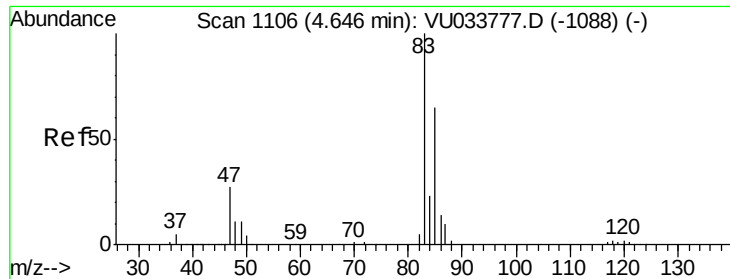
40000

20000

0

Time-->

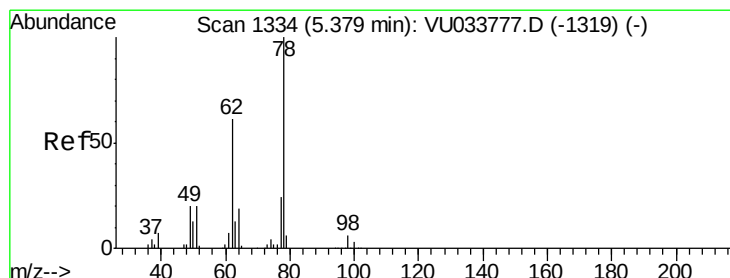
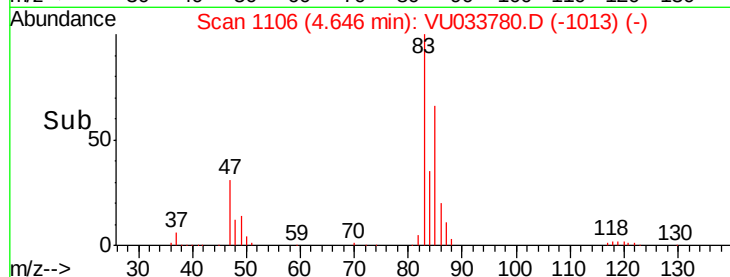
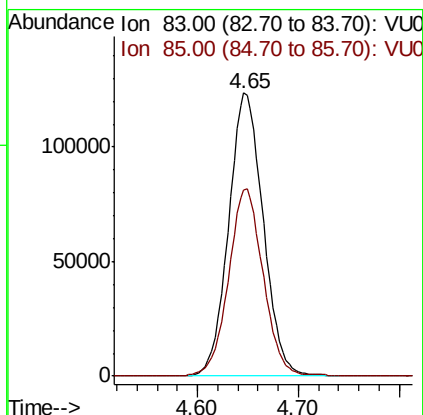
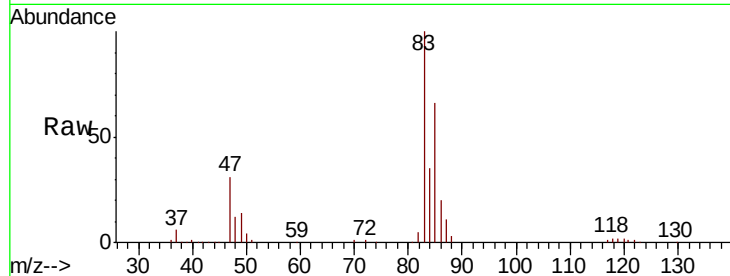




#25
Chloroform
Concen: 45.177 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033780.D
Acq: 13 Aug 2019 11:17

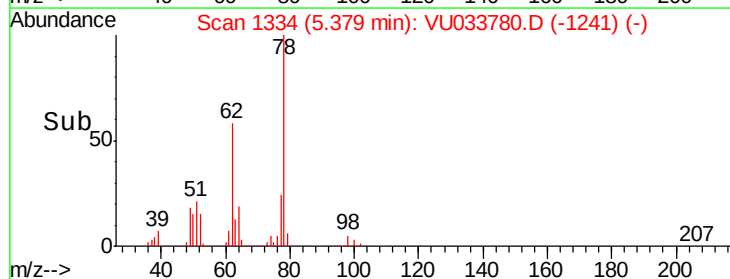
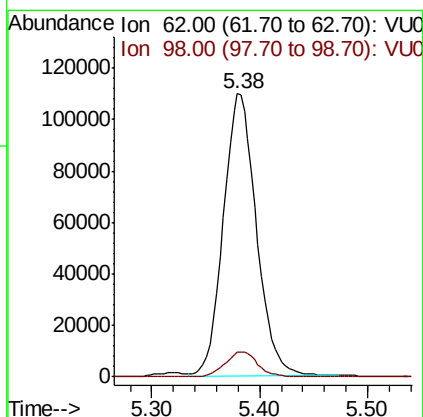
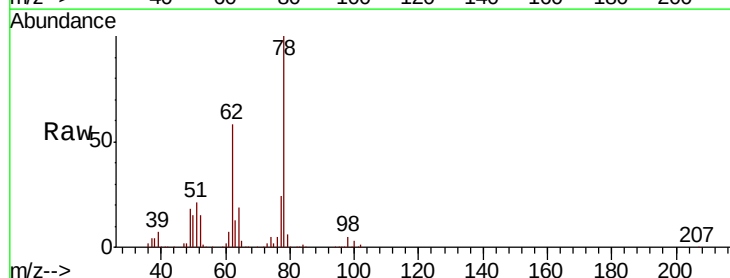
Instrument :
MSVOA_U
ClientSampleId :
VICV32

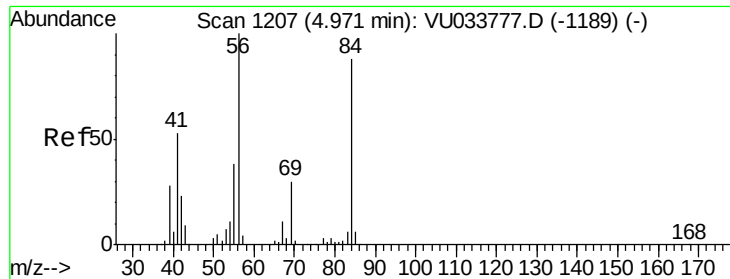
Tgt Ion: 83 Resp: 294663
Ion Ratio Lower Upper
83 100
85 66.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 46.056 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033780.D
Acq: 13 Aug 2019 11:17

Tgt Ion: 62 Resp: 233346
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.0

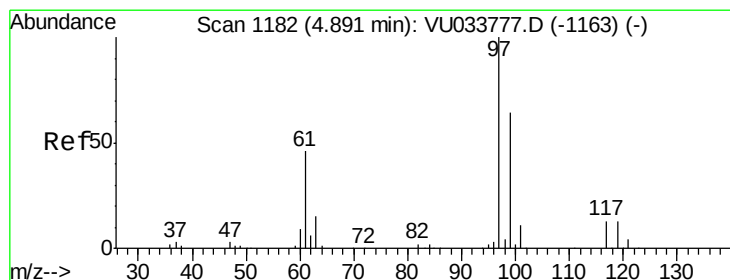
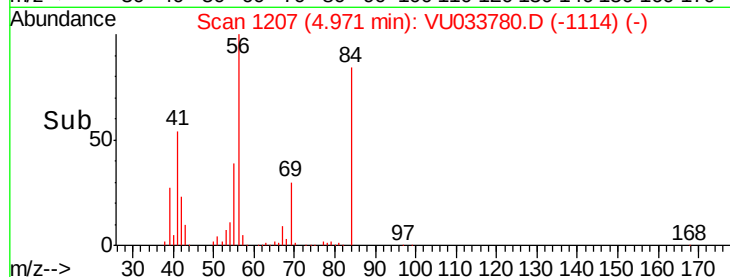
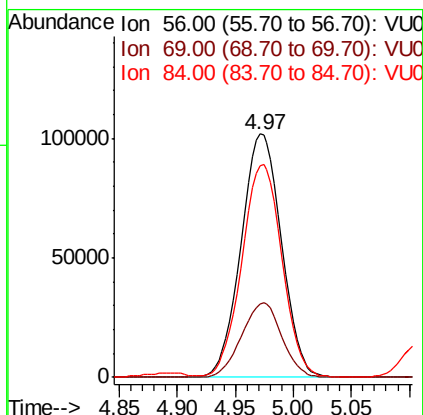
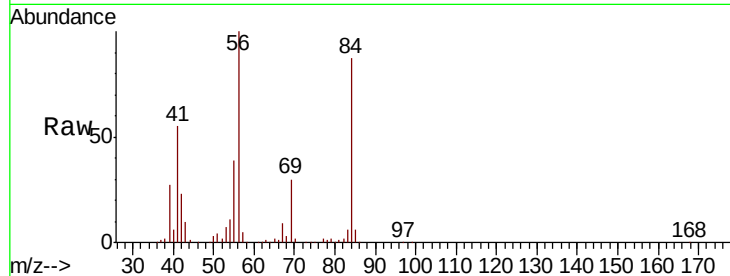




#29
Cyclohexane
Concen: 51.336 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033780.D
Acq: 13 Aug 2019 11:17

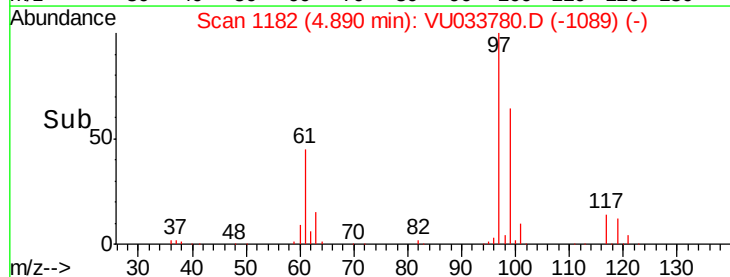
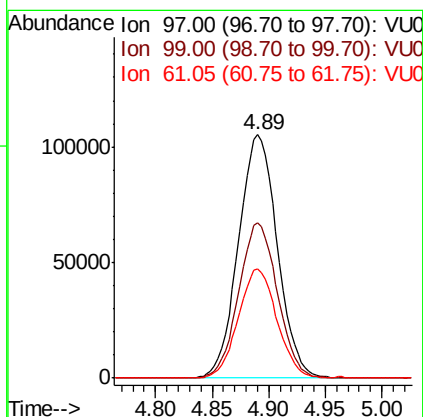
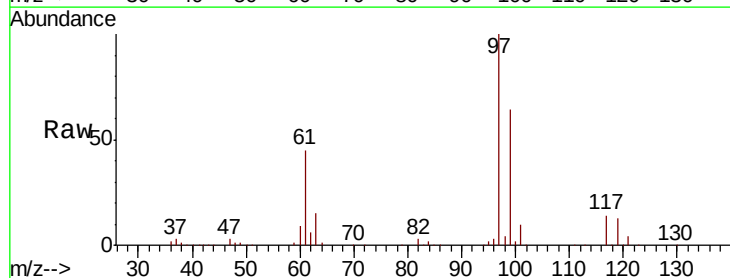
Instrument :
MSVOA_U
ClientSampled :
VICV32

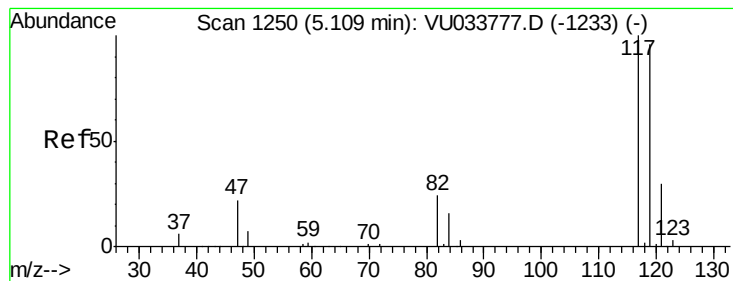
Tgt Ion: 56 Resp: 246944
Ion Ratio Lower Upper
56 100
69 30.5 25.0 37.4
84 87.4 70.3 105.5



#30
1,1,1-Trichloroethane
Concen: 46.928 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033780.D
Acq: 13 Aug 2019 11:17

Tgt Ion: 97 Resp: 251917
Ion Ratio Lower Upper
97 100
99 63.7 50.9 76.3
61 44.6 36.6 54.8





#31

Carbon tetrachloride

Concen: 47.658 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

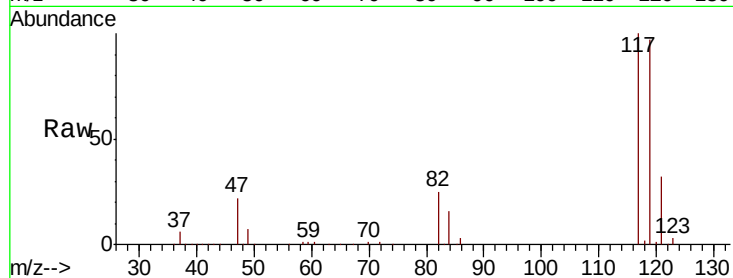
VICV32

Tgt Ion:117 Resp: 227219

Ion Ratio Lower Upper

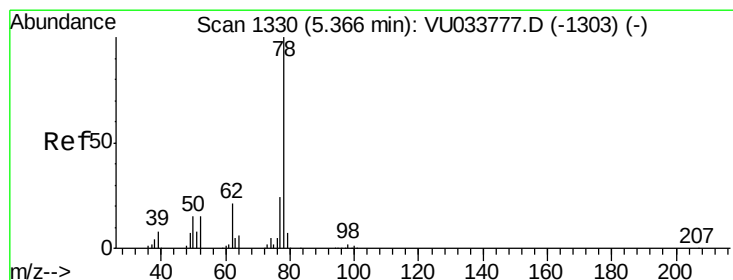
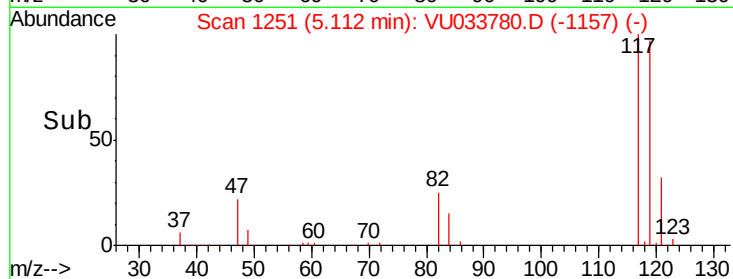
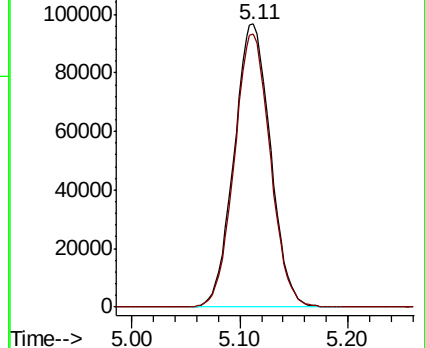
117 100

119 95.3 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.381 ug/L

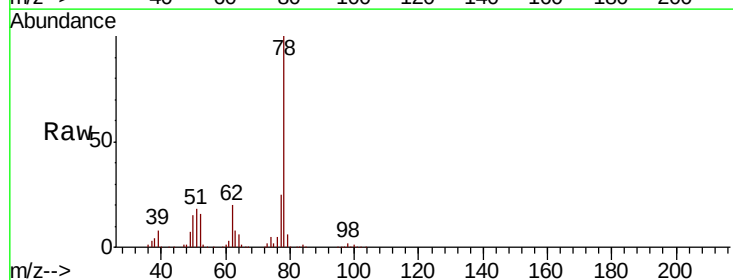
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

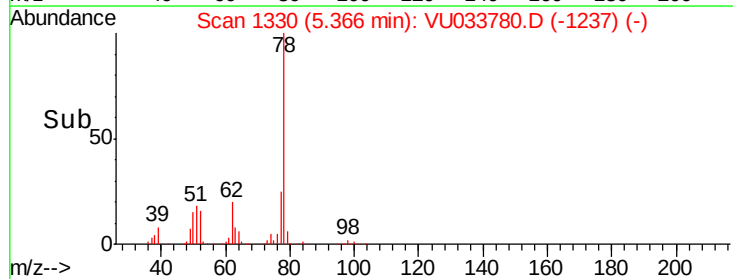
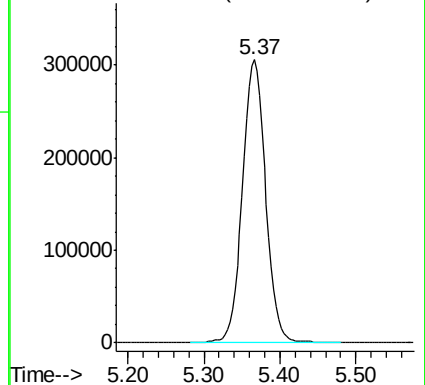
Lab File: VU033780.D

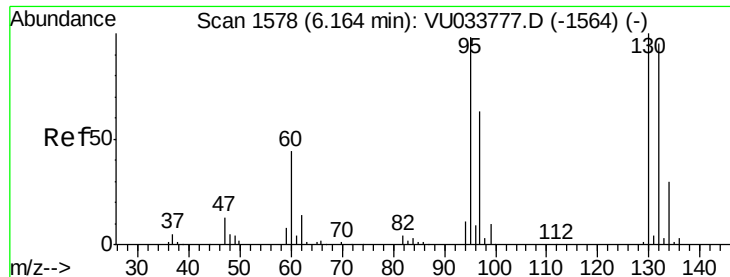
Acq: 13 Aug 2019 11:17

Tgt Ion: 78 Resp: 647835



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 47.048 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

VICV32

Tgt Ion: 95 Resp: 166897

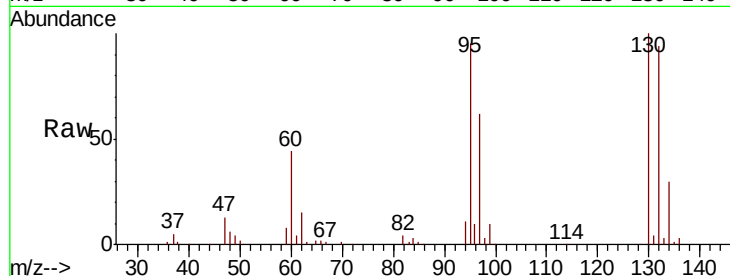
Ion Ratio Lower Upper

95 100

97 65.0 45.1 83.7

132 99.0 67.9 126.1

130 105.0 71.6 133.0

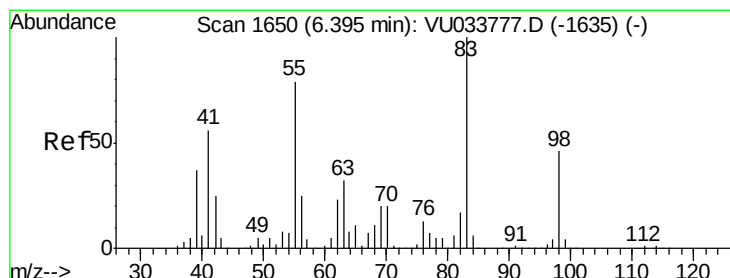
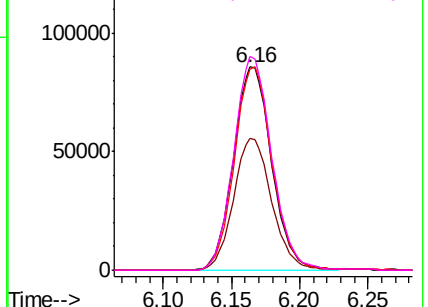
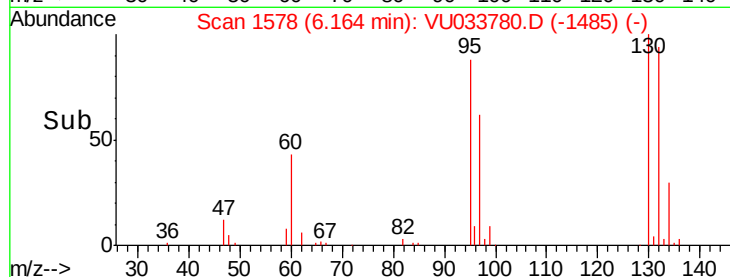


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.116 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

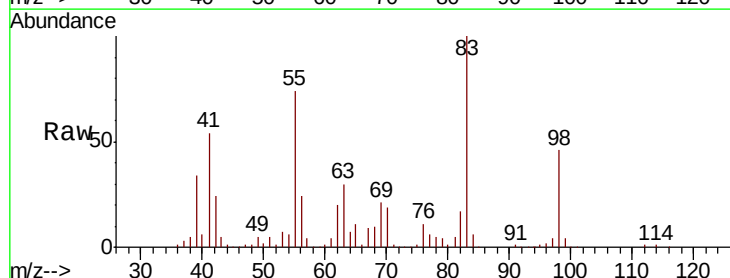
Tgt Ion: 83 Resp: 264292

Ion Ratio Lower Upper

83 100

55 75.8 62.2 93.4

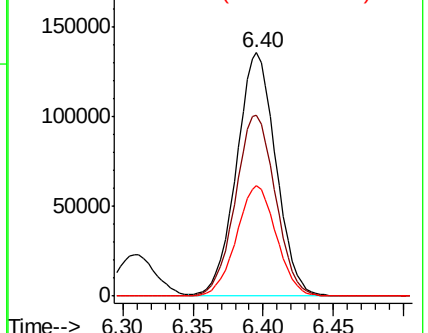
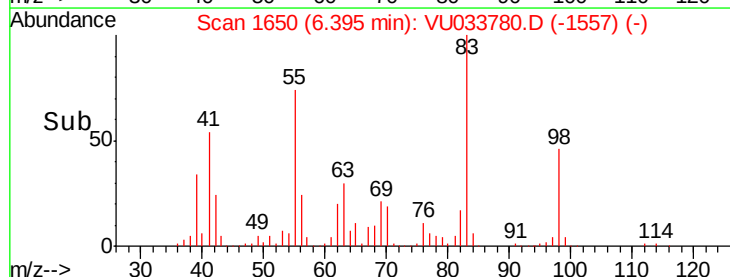
98 45.8 35.8 53.8

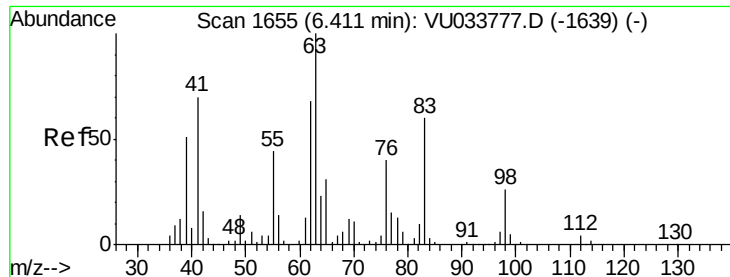


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

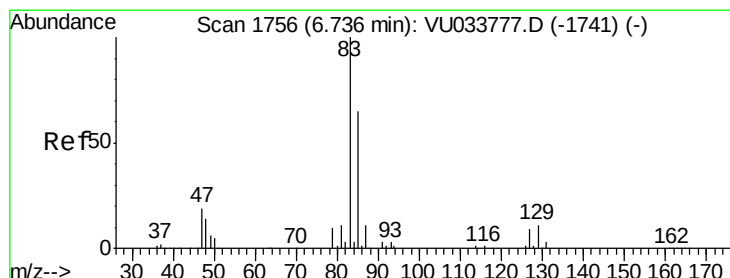
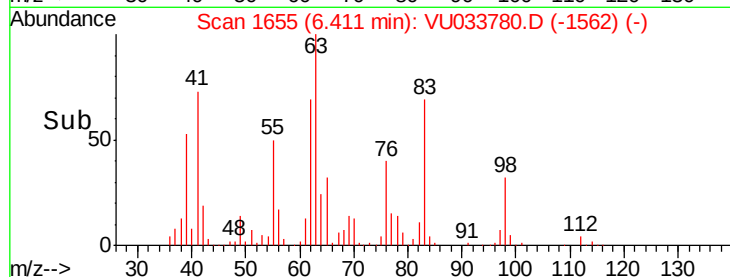
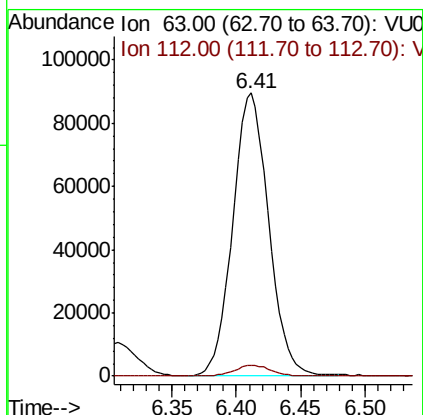
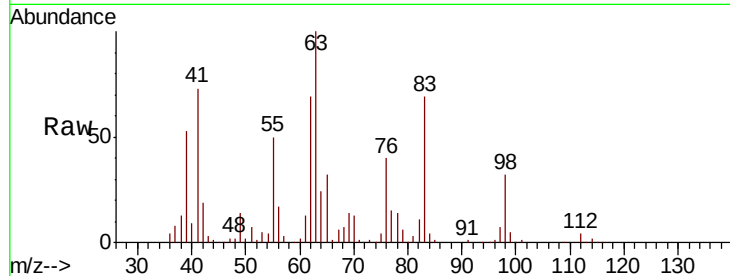




#37
 1,2-Dichloropropane
 Concen: 47.346 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

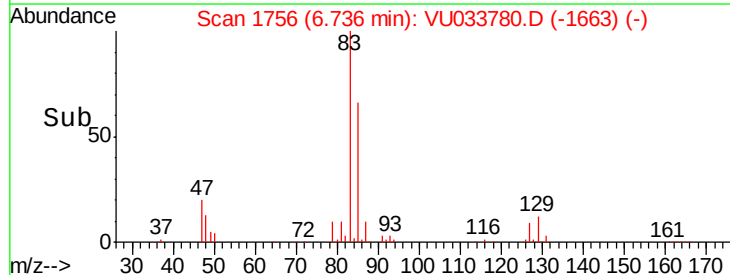
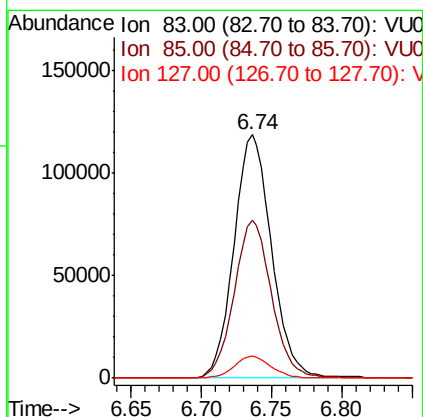
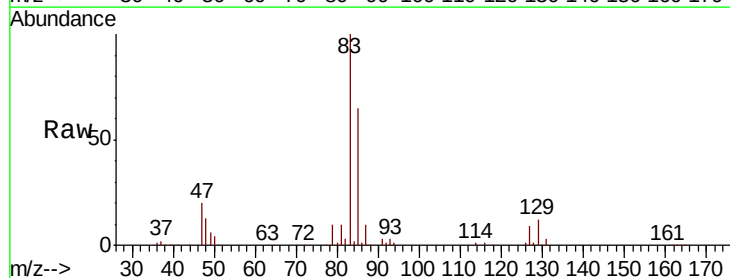
Instrument :
 MSVOA_U
 ClientSampled :
 VICV32

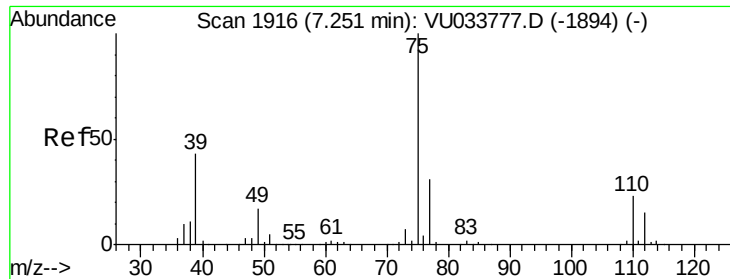
Tgt Ion: 63 Resp: 172749
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#38
 Bromodichloromethane
 Concen: 47.021 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

Tgt Ion: 83 Resp: 221370
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.8 85.0
 127 8.9 7.4 11.0

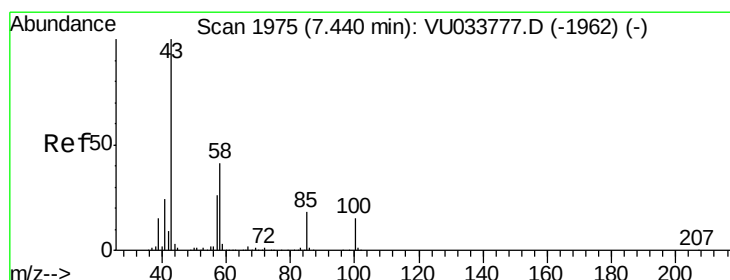
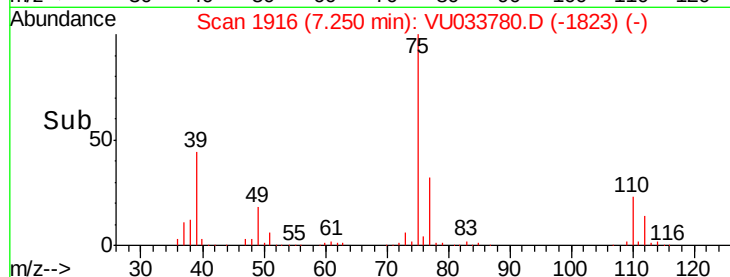
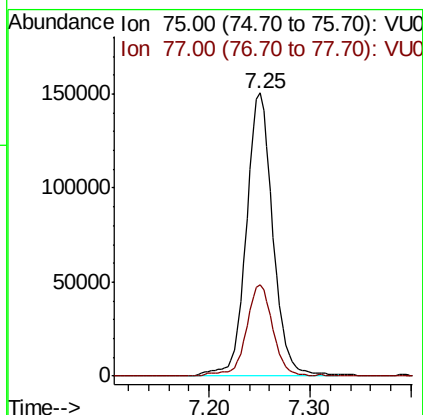
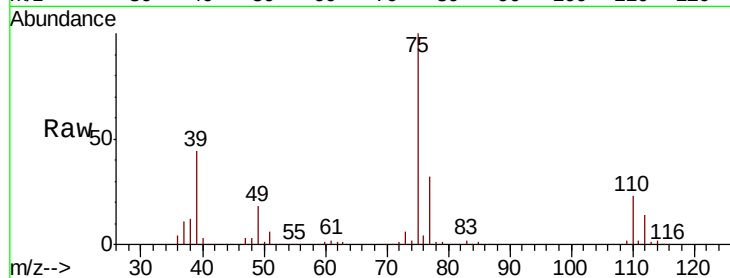




#39
 cis-1,3-Dichloropropene
 Concen: 50.772 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

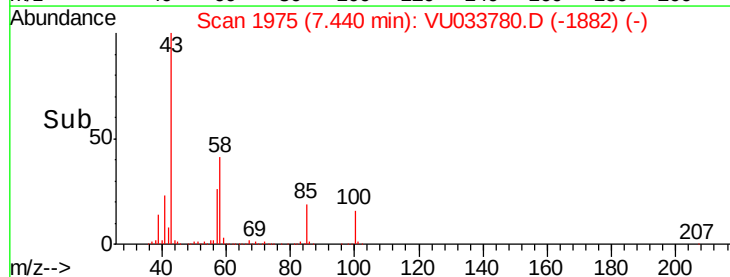
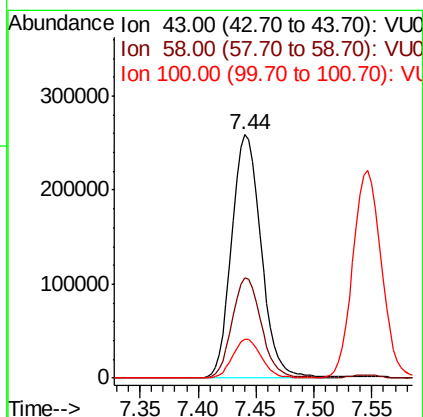
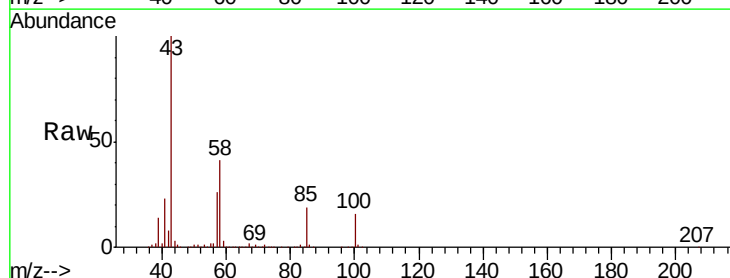
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

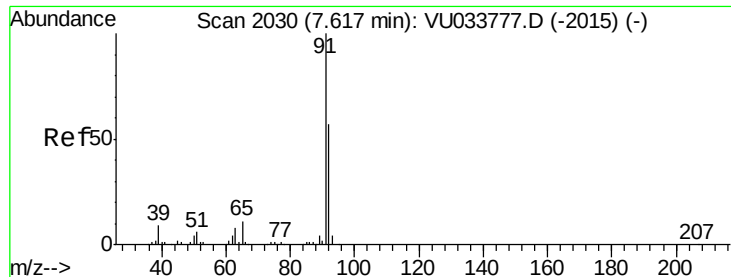
Tgt Ion: 75 Resp: 273455
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 100.862 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

Tgt Ion: 43 Resp: 457882
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.5 48.7
 100 15.6 12.2 18.2





#42

Toluene

Concen: 49.296 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

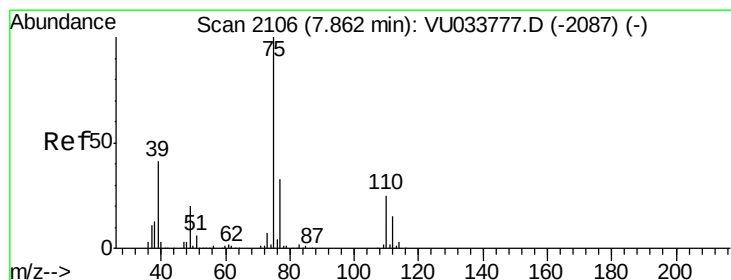
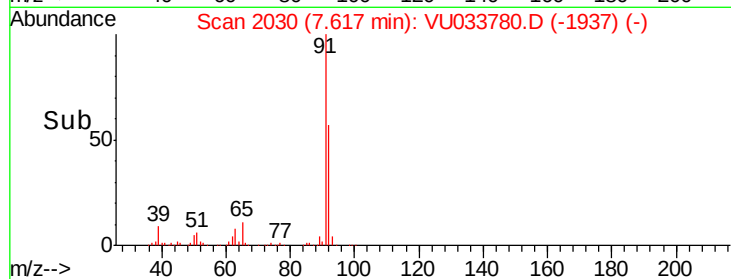
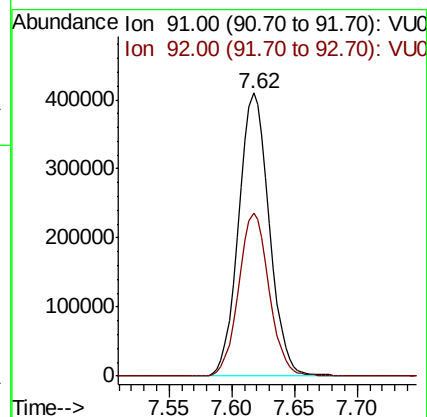
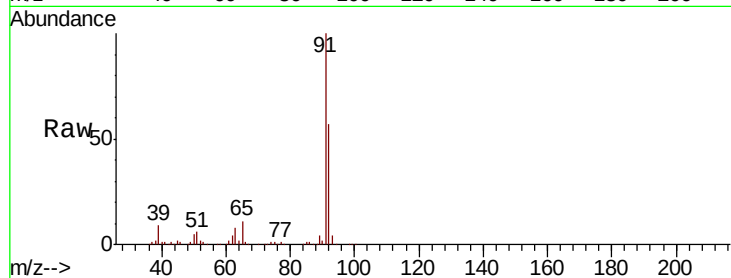
VICV32

Tgt Ion: 91 Resp: 697144

Ion Ratio Lower Upper

91 100

92 57.5 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 50.402 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033780.D

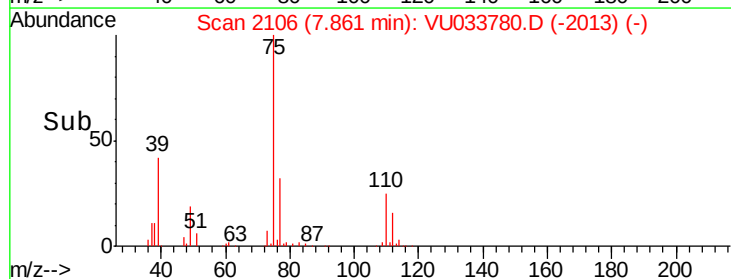
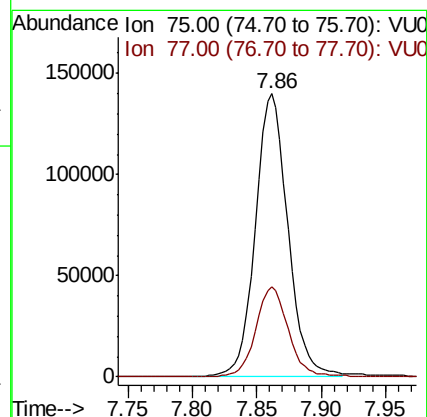
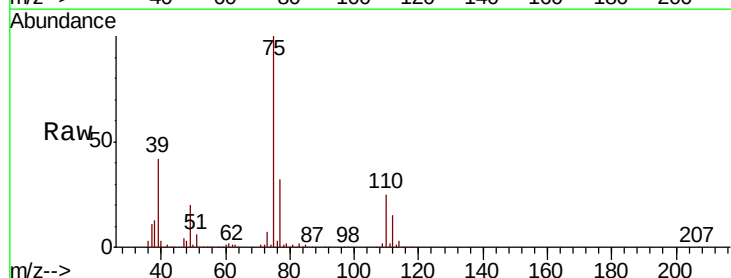
Acq: 13 Aug 2019 11:17

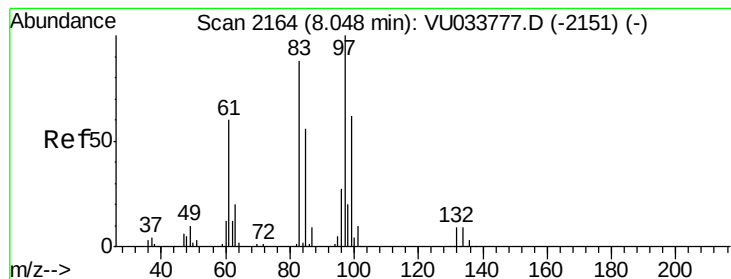
Tgt Ion: 75 Resp: 247259

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 46.614 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

VICV32

Tgt Ion: 97 Resp: 160514

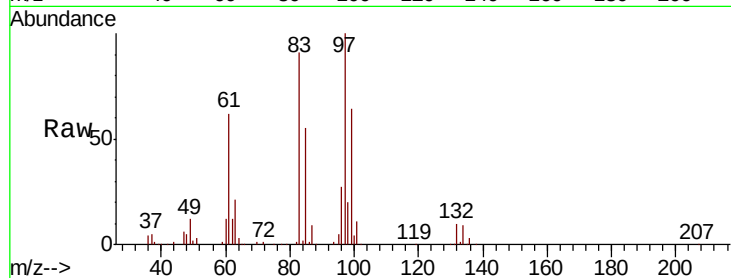
Ion Ratio Lower Upper

97 100

99 63.6 43.5 80.9

83 90.6 61.8 114.8

85 55.1 39.1 72.7



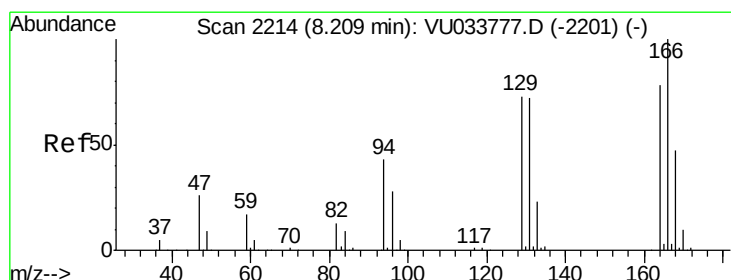
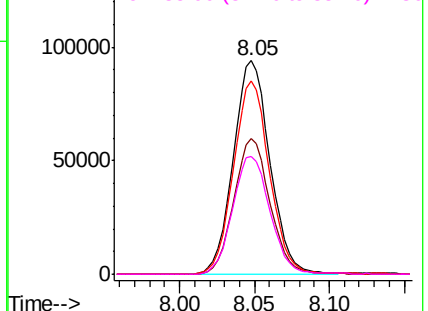
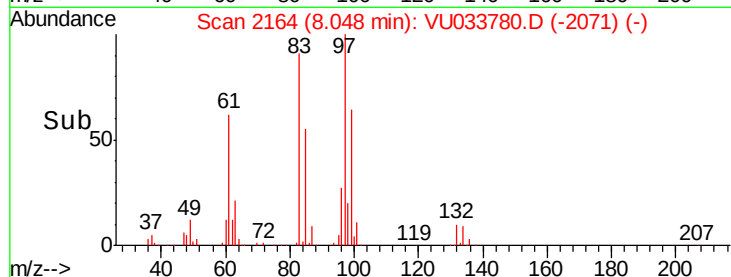
Abundance

Ion 97.00 (96.70 to 97.70): VU033777.D (-2151) (-)

Ion 99.00 (98.70 to 99.70): VU033777.D (-2151) (-)

Ion 83.00 (82.70 to 83.70): VU033777.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU033777.D (-2151) (-)



#46

Tetrachloroethene

Concen: 49.373 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Tgt Ion: 164 Resp: 137364

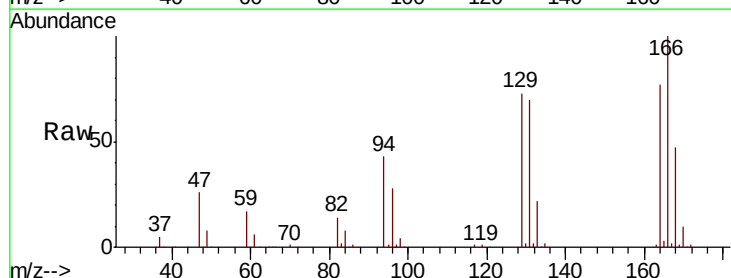
Ion Ratio Lower Upper

164 100

129 94.8 65.5 121.6

131 91.7 64.0 119.0

166 130.2 89.4 166.0



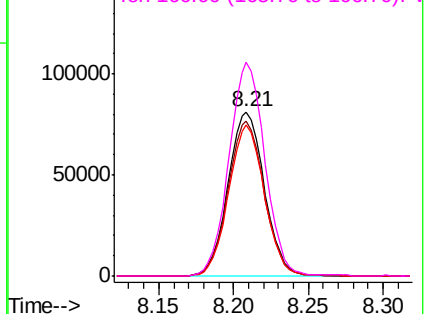
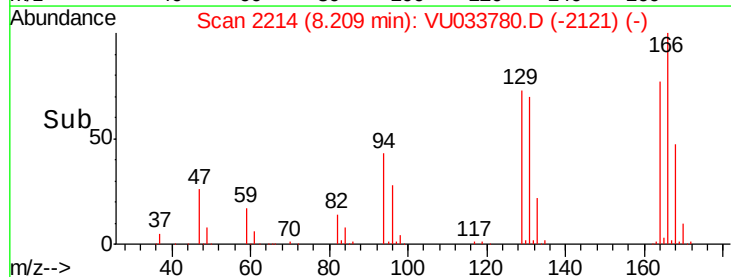
Abundance

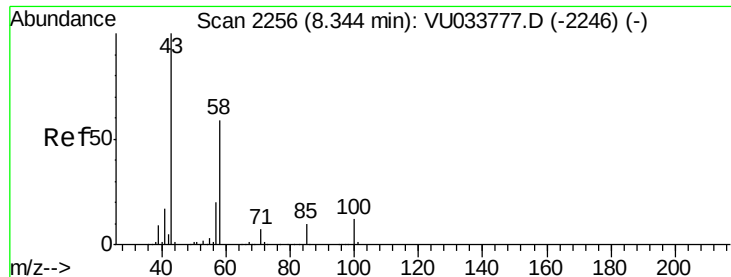
Ion 164.00 (163.70 to 164.70): VU033777.D (-2201) (-)

Ion 129.00 (128.70 to 129.70): VU033777.D (-2201) (-)

Ion 131.00 (130.70 to 131.70): VU033777.D (-2201) (-)

Ion 166.00 (165.70 to 166.70): VU033777.D (-2201) (-)

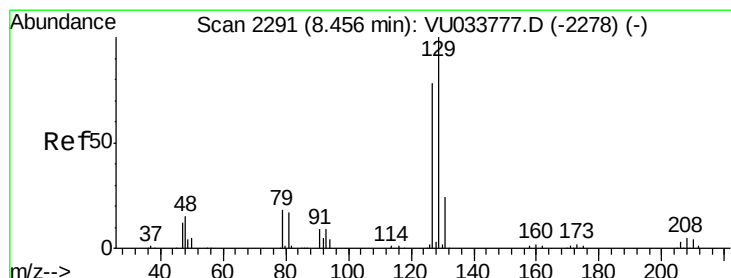
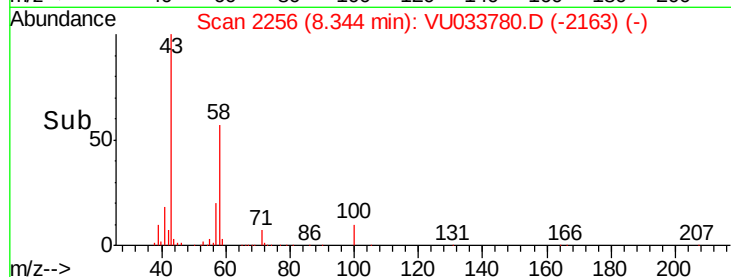
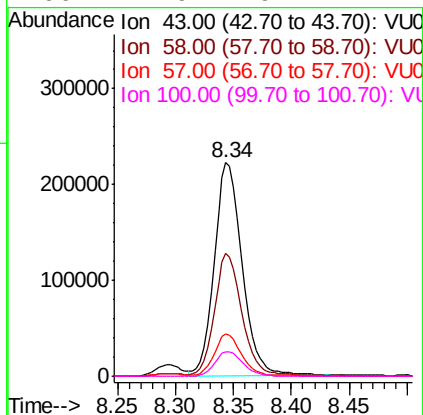
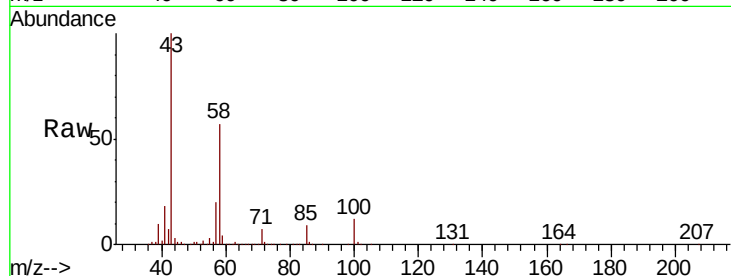




#48
2-Hexanone
Concen: 107.360 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033780.D
Acq: 13 Aug 2019 11:17

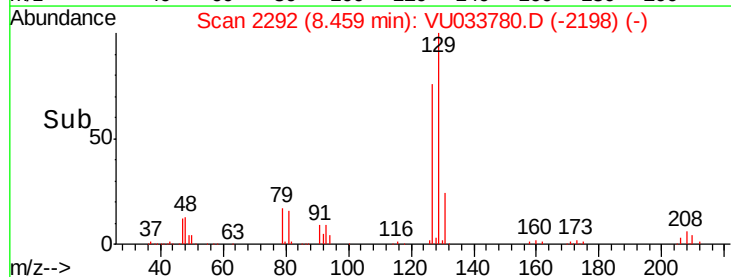
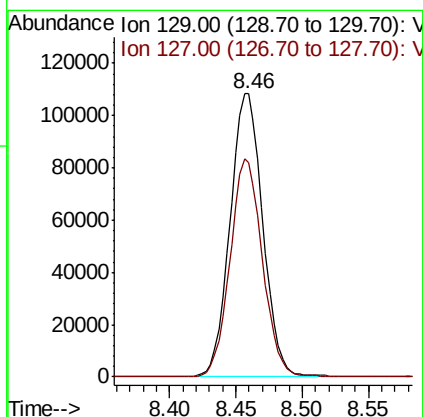
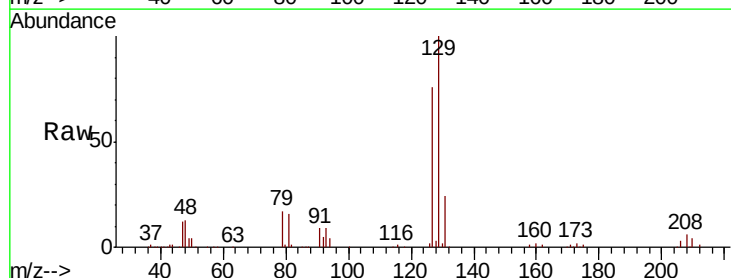
Instrument :
MSVOA_U
ClientSampleId :
VICV32

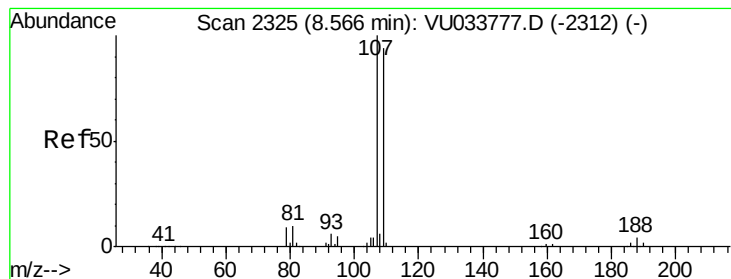
Tgt Ion:	43	Resp:	373064
Ion	Ratio	Lower	Upper
43	100		
58	56.5	45.4	68.0
57	18.9	15.4	23.0
100	11.9	9.4	14.2



#49
Dibromochloromethane
Concen: 48.318 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033780.D
Acq: 13 Aug 2019 11:17

Tgt Ion:	129	Resp:	185753
Ion	Ratio	Lower	Upper
129	100		
127	75.7	54.4	101.0





#50

1,2-Dibromoethane

Concen: 48.501 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

VICV32

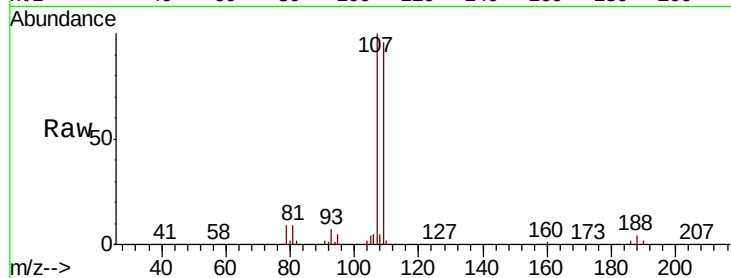
Tgt Ion:107 Resp: 175205

Ion Ratio Lower Upper

107 100

109 96.3 66.0 122.6

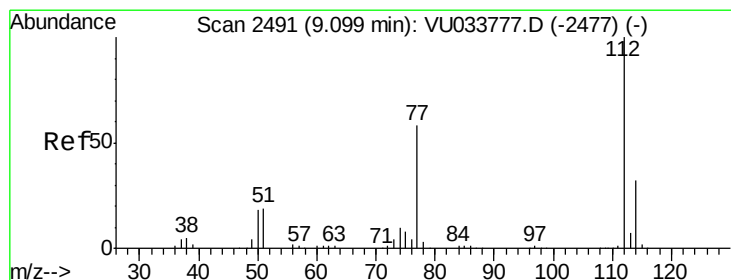
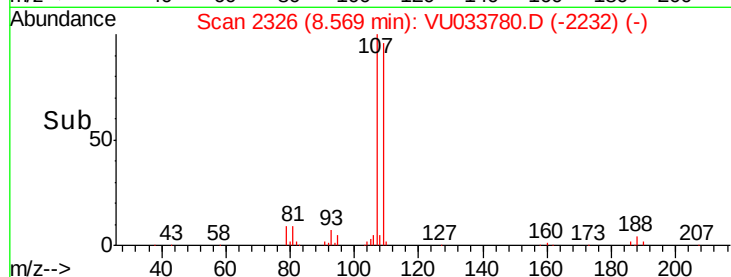
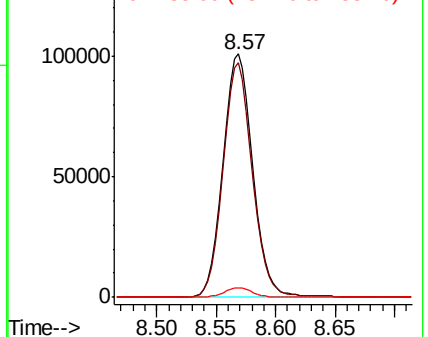
188 3.9 3.0 4.6



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: 48.289 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

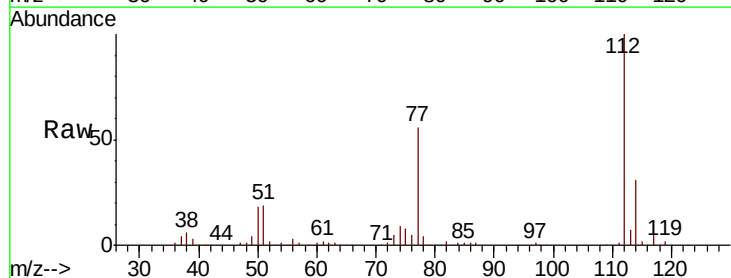
Tgt Ion:112 Resp: 444440

Ion Ratio Lower Upper

112 100

114 31.3 22.4 41.6

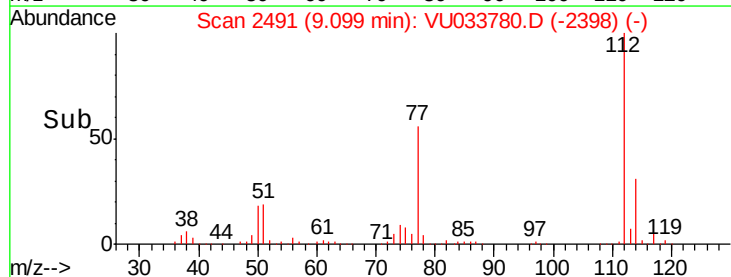
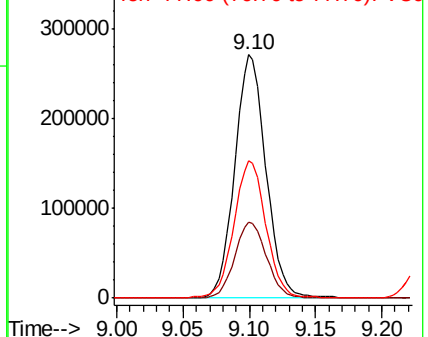
77 56.3 46.2 69.4

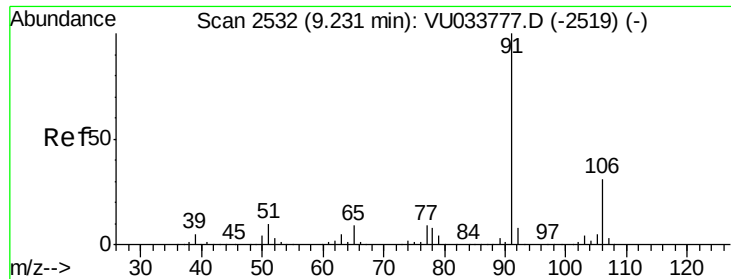


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 50.426 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

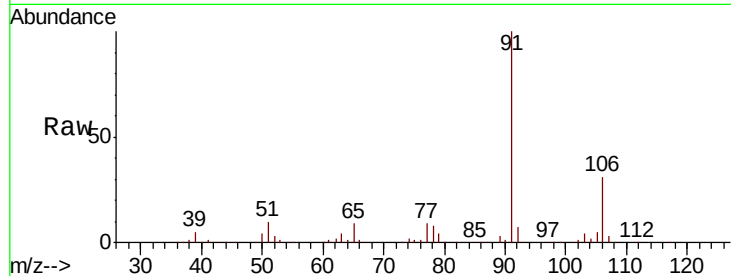
VICV32

Tgt Ion: 91 Resp: 750395

Ion Ratio Lower Upper

91 100

106 31.4 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU033777.D (-2519) (-)

Ion 106.00 (105.70 to 106.70): VU033777.D (-2519) (-)

9.23

500000

400000

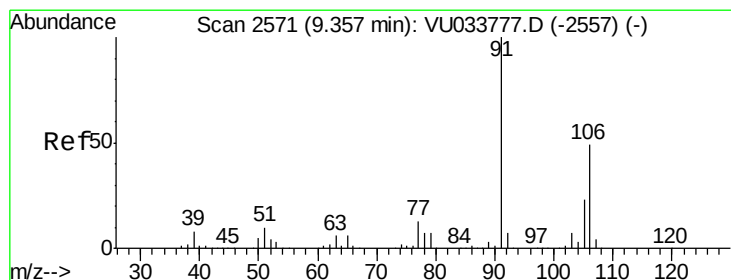
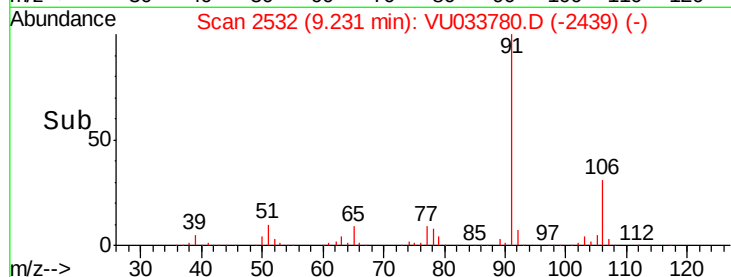
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 51.513 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033780.D

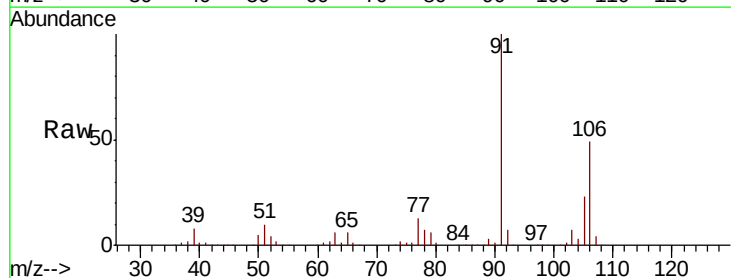
Acq: 13 Aug 2019 11:17

Tgt Ion: 106 Resp: 286554

Ion Ratio Lower Upper

106 100

91 204.9 142.1 263.9



Abundance Ion 106.00 (105.70 to 106.70): VU033777.D (-2557) (-)

Ion 91.00 (90.70 to 91.70): VU033777.D (-2557) (-)

9.36

400000

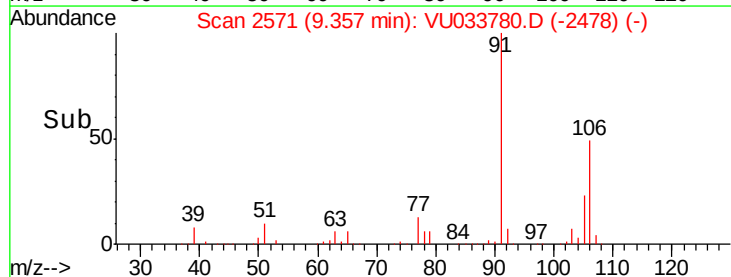
300000

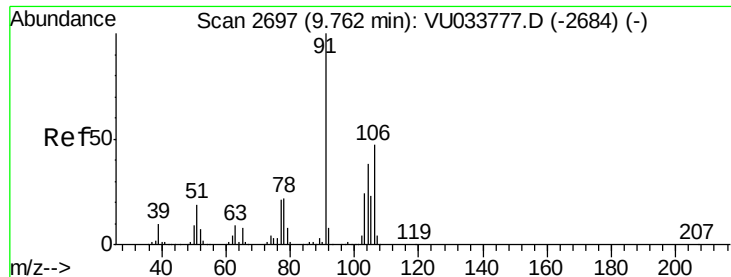
200000

100000

0

Time-->





#54

o-xylene

Concen: 51.208 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

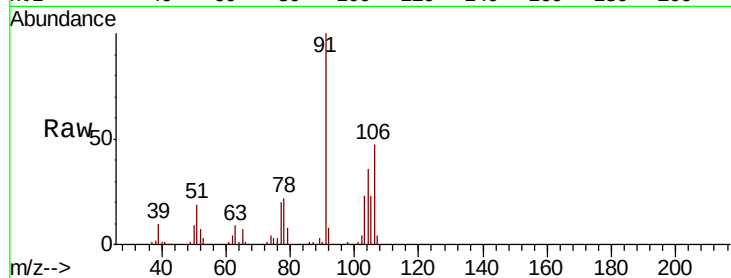
VICV32

Tgt Ion:106 Resp: 280239

Ion Ratio Lower Upper

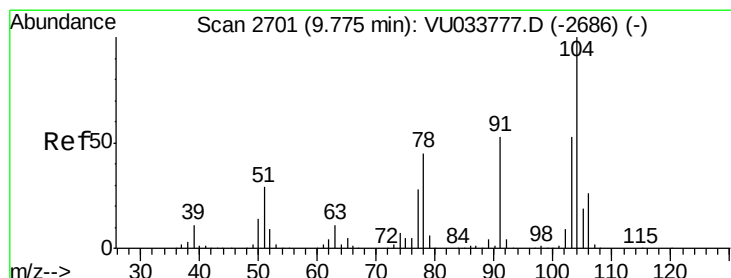
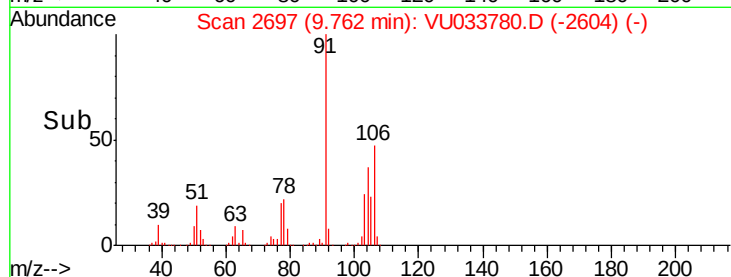
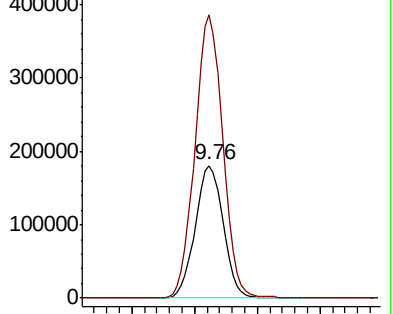
106 100

91 213.0 150.4 279.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.371 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033780.D

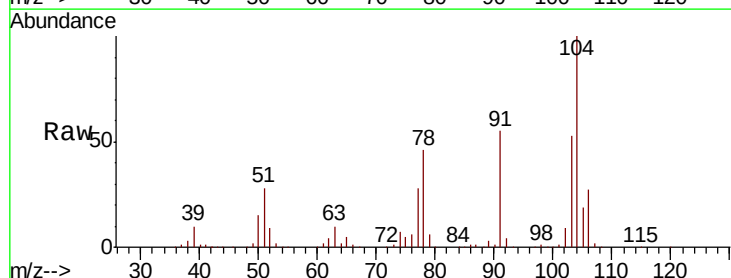
Acq: 13 Aug 2019 11:17

Tgt Ion:104 Resp: 486525

Ion Ratio Lower Upper

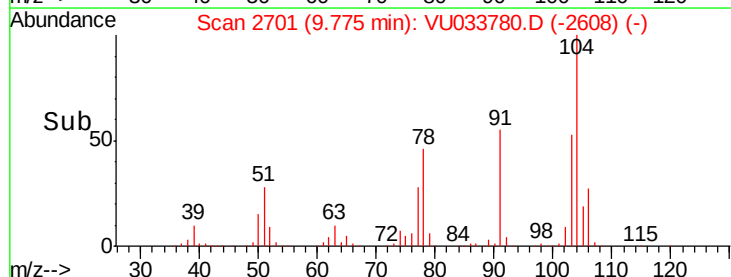
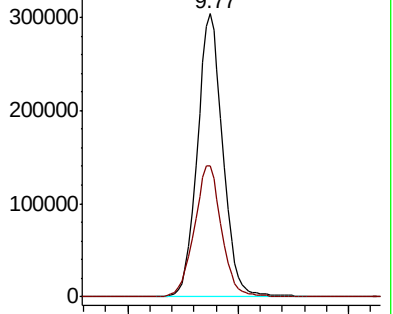
104 100

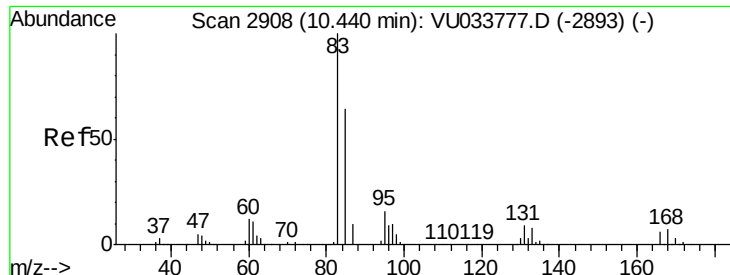
78 46.1 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#57

1,1,2,2-Tetrachloroethane

Concen: 47.353 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

VICV32

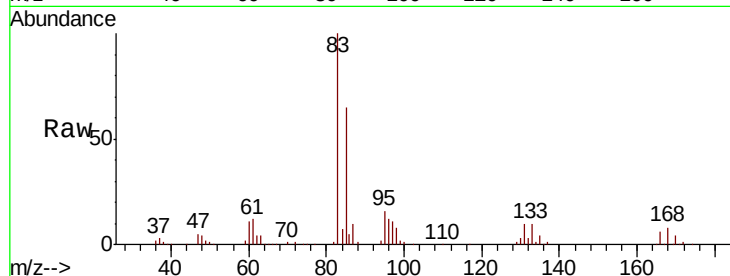
Tgt Ion: 83 Resp: 272717

Ion	Ratio	Lower	Upper
83	100		
85	64.6	44.7	83.1
131	10.1	7.8	11.6

83 100

85 64.6 44.7 83.1

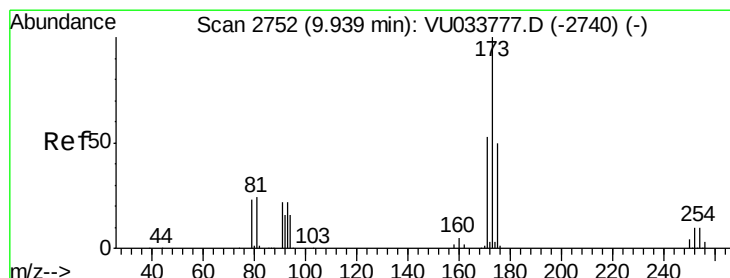
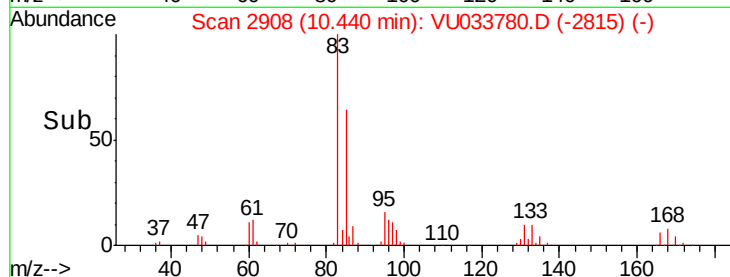
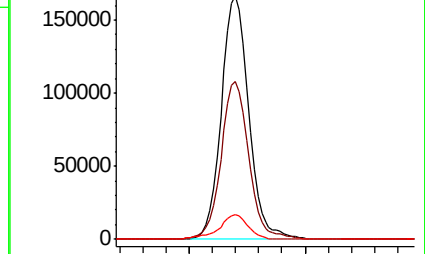
131 10.1 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VU033777.D (-2893) (-)

Ion 85.00 (84.70 to 85.70): VU033777.D (-2893) (-)

Ion 131.00 (130.70 to 131.70): VU033777.D (-2893) (-)



#59

Bromoform

Concen: 47.300 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

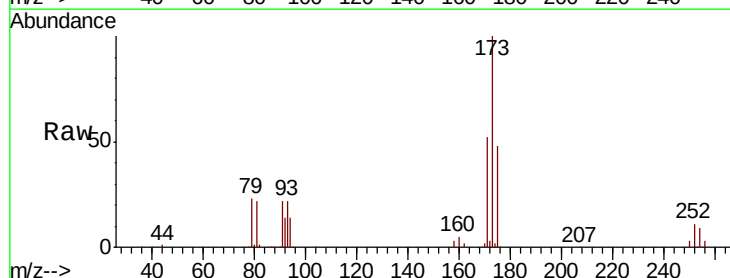
Tgt Ion: 173 Resp: 139307

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.9	58.3
254	9.4	7.4	11.0

173 100

175 48.8 38.9 58.3

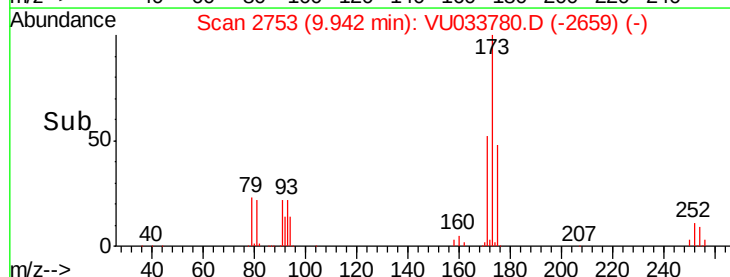
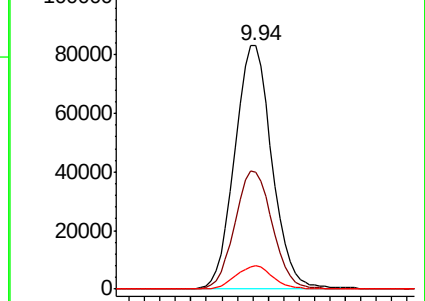
254 9.4 7.4 11.0

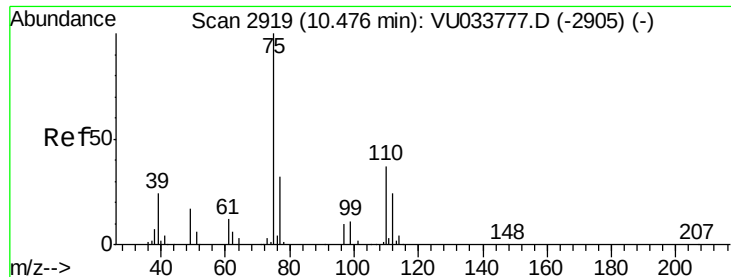


Abundance Ion 173.00 (172.70 to 173.70): VU033777.D (-2740) (-)

Ion 175.00 (174.70 to 175.70): VU033777.D (-2740) (-)

Ion 254.00 (253.70 to 254.70): VU033777.D (-2740) (-)

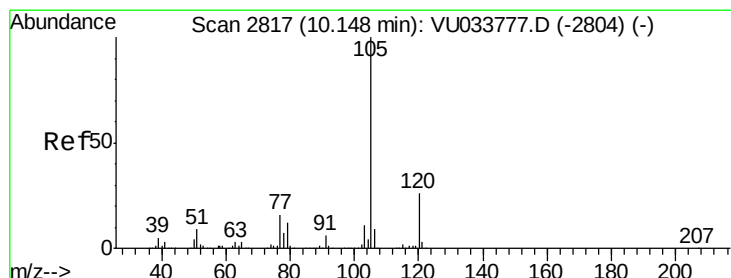
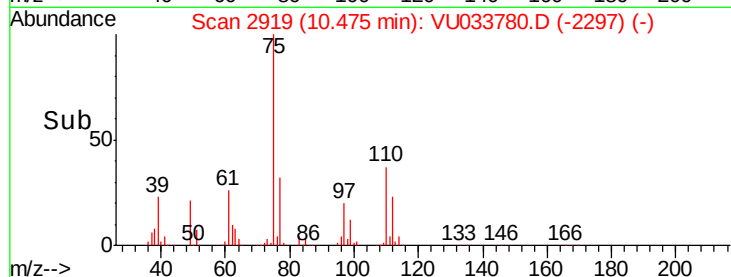
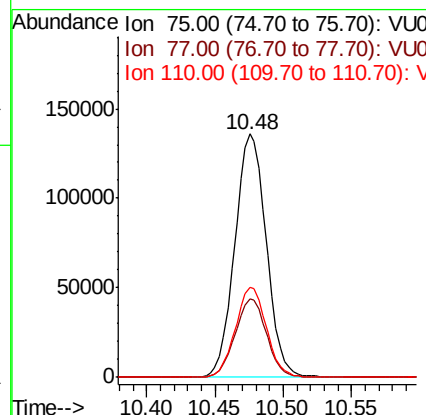
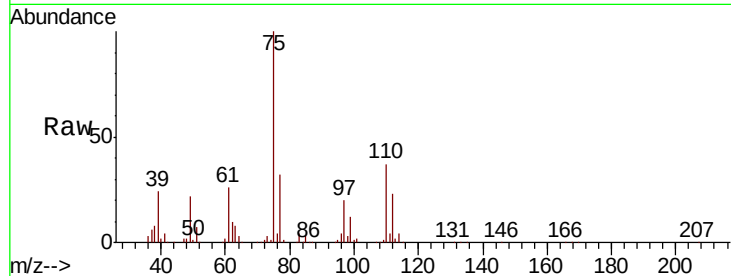




#60
 1,2,3-Trichloropropane
 Concen: 46.914 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

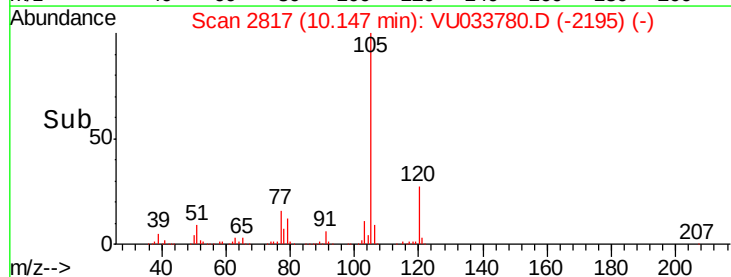
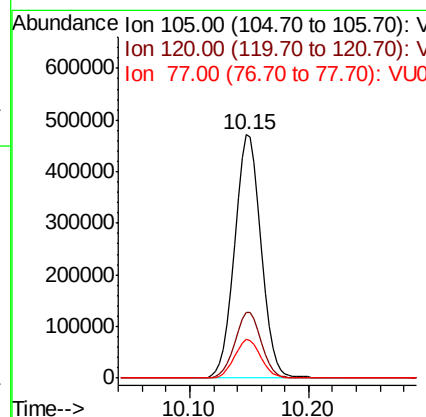
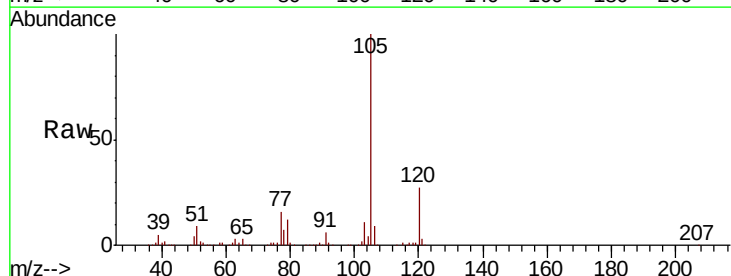
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

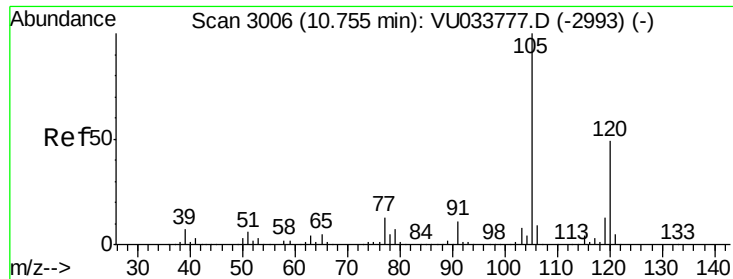
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.6	38.4
110	36.6	29.7	44.5



#61
 Isopropylbenzene
 Concen: 50.969 ug/L
 RT: 10.15 min Scan# 2817
 Delta R.T. -0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.0	31.6
77	15.7	12.8	19.2





#62

1,3,5-Trimethylbenzene

Concen: 53.239 ug/L

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033780.D

Acq: 13 Aug 2019 11:17

Instrument :

MSVOA_U

ClientSampled :

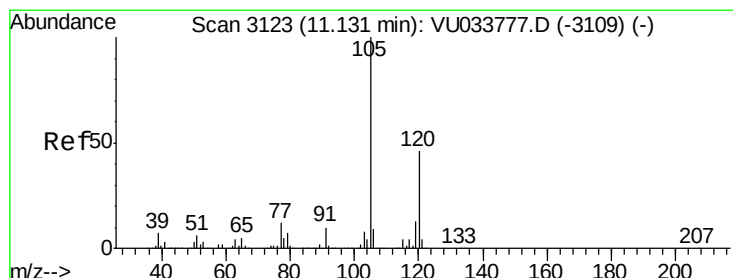
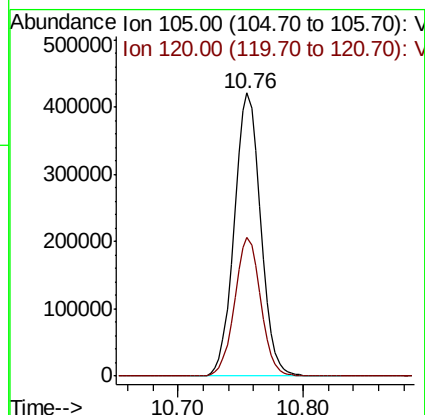
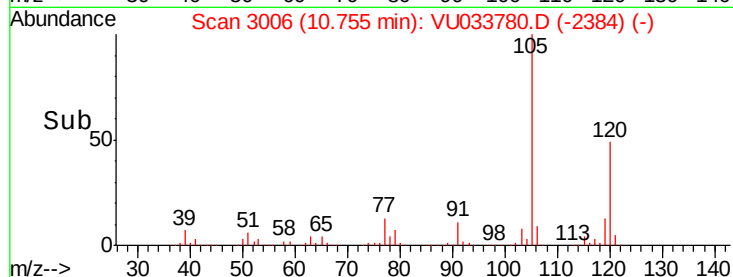
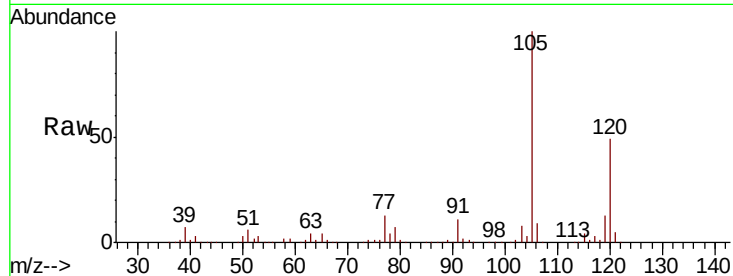
VICV32

Tgt Ion:105 Resp: 613394

Ion Ratio Lower Upper

105 100

120 48.5 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 53.644 ug/L

RT: 11.13 min Scan# 3123

Delta R.T. -0.00 min

Lab File: VU033780.D

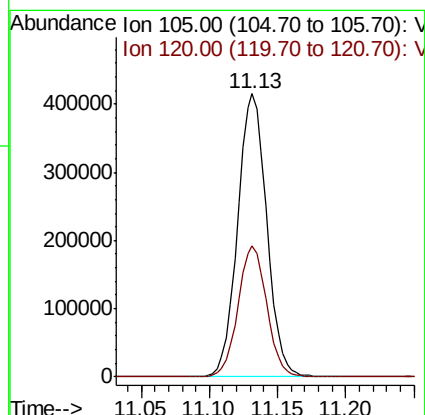
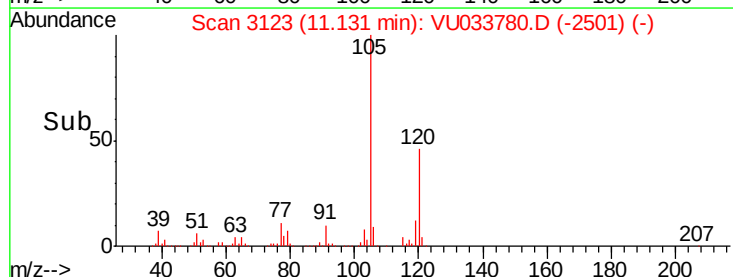
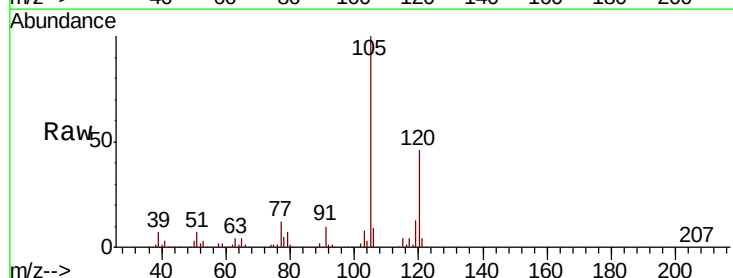
Acq: 13 Aug 2019 11:17

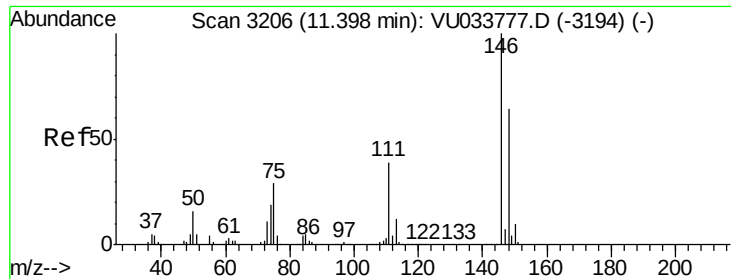
Tgt Ion:105 Resp: 613258

Ion Ratio Lower Upper

105 100

120 45.9 36.6 55.0

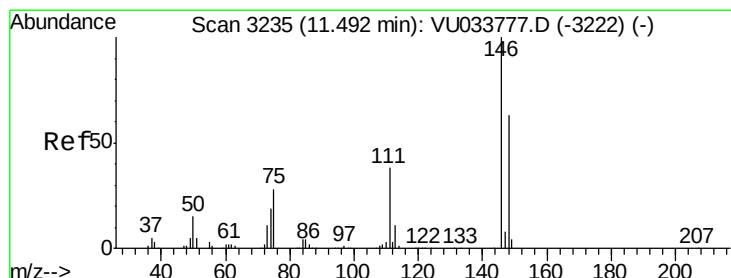
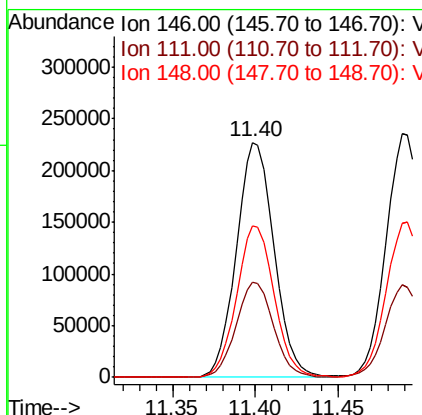
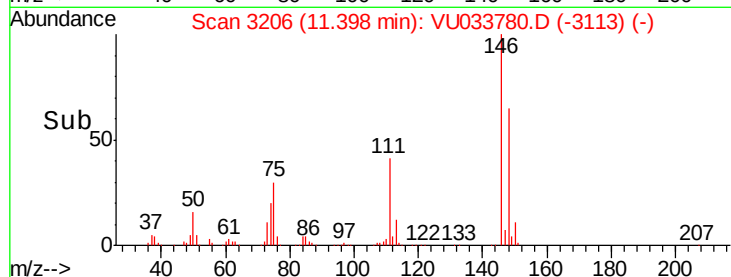
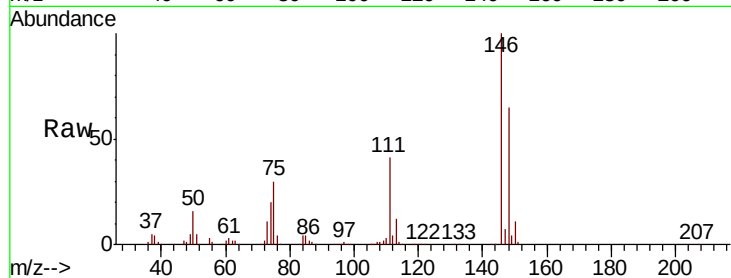




#64
 1,3-Dichlorobenzene
 Concen: 50.154 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

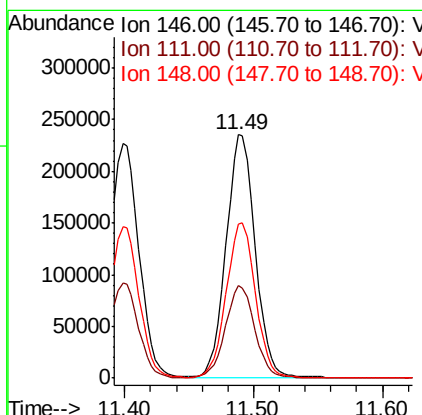
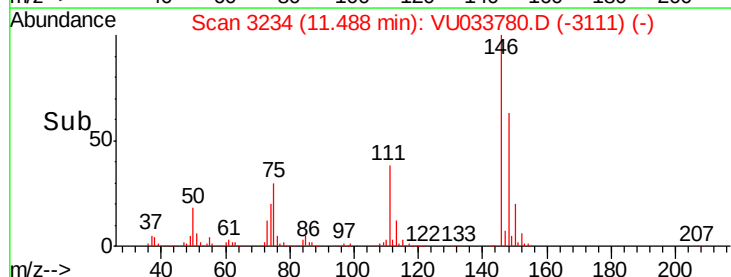
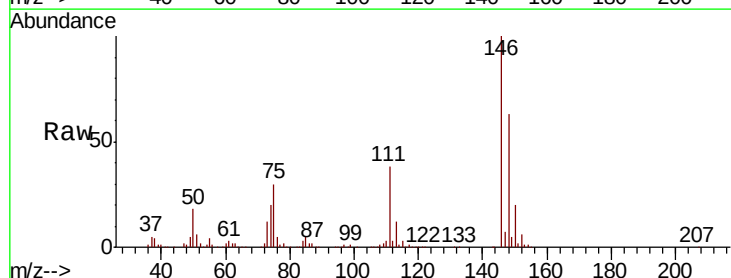
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

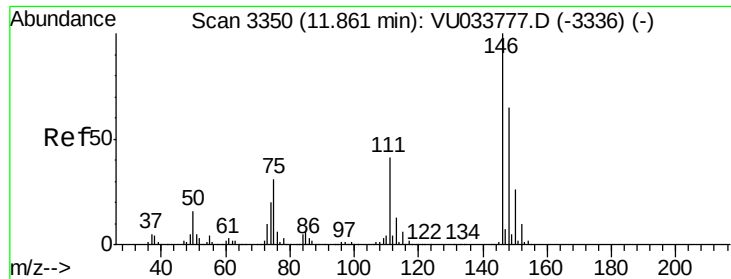
Tgt Ion:146 Resp: 359082
 Ion Ratio Lower Upper
 146 100
 111 40.7 27.1 50.3
 148 64.6 45.0 83.6



#65
 1,4-Dichlorobenzene
 Concen: 50.175 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

Tgt Ion:146 Resp: 368189
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.5 49.3
 148 63.0 43.9 81.5

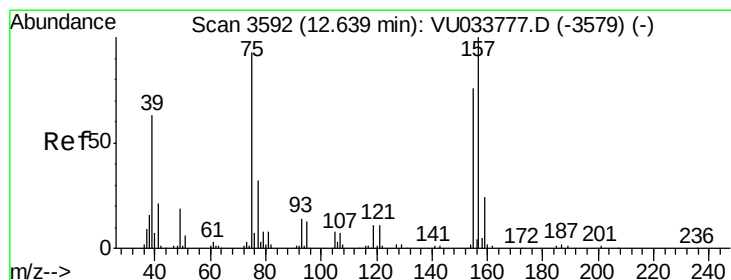
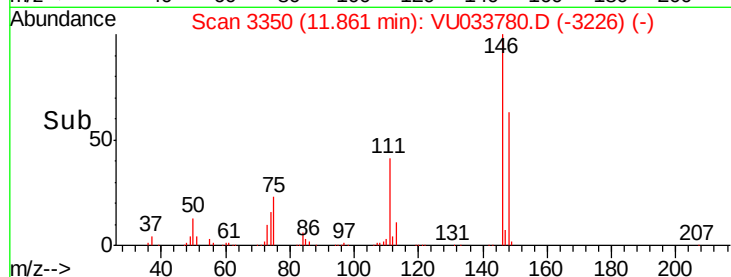
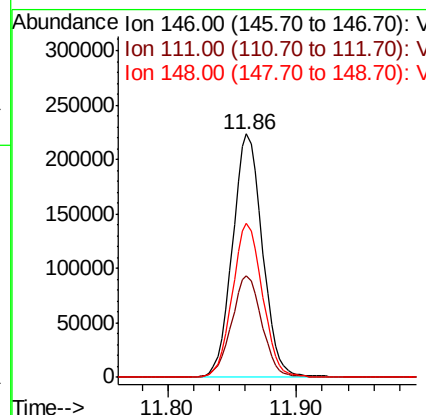
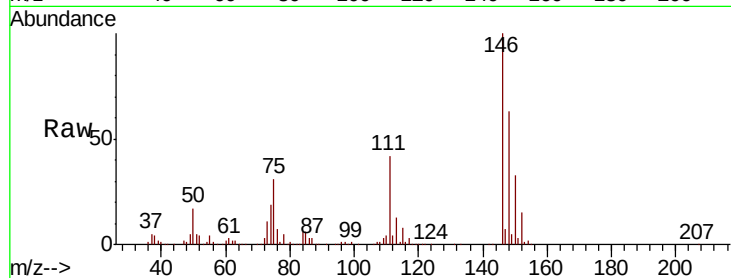




#67
 1,2-Dichlorobenzene
 Concen: 49.478 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

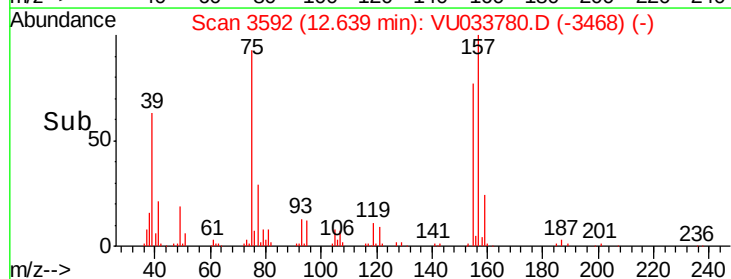
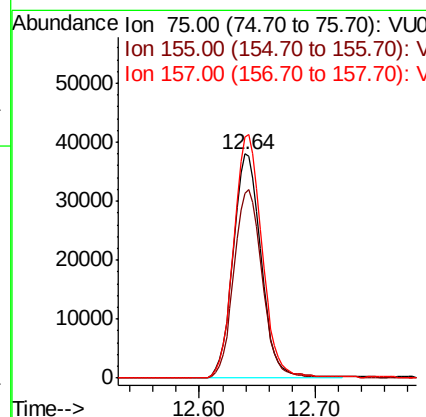
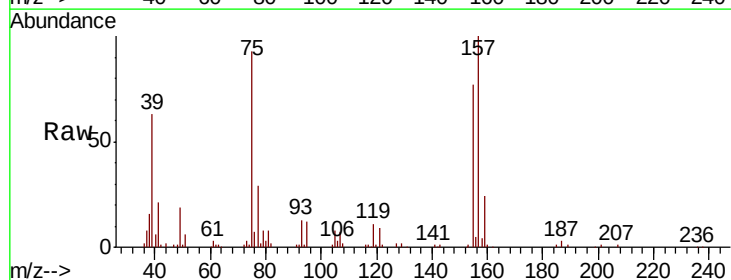
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

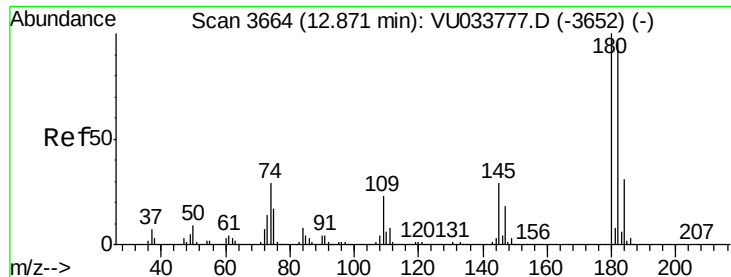
Tgt Ion: 146 Resp: 359976
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.1 49.7
 148 63.1 51.8 77.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 49.161 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

Tgt Ion: 75 Resp: 63594
 Ion Ratio Lower Upper
 75 100
 155 82.6 65.9 98.9
 157 107.7 86.3 129.5

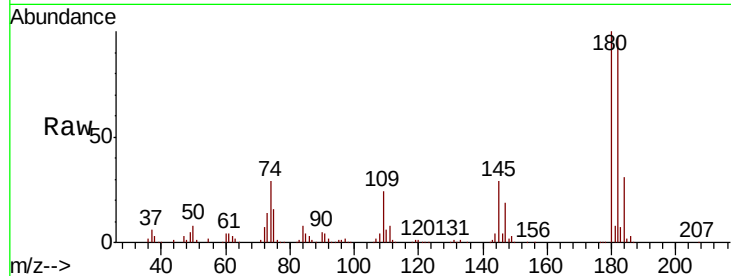




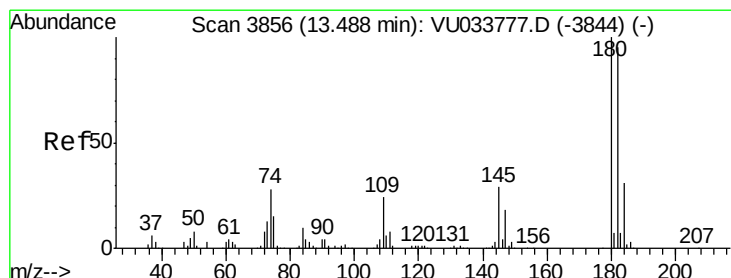
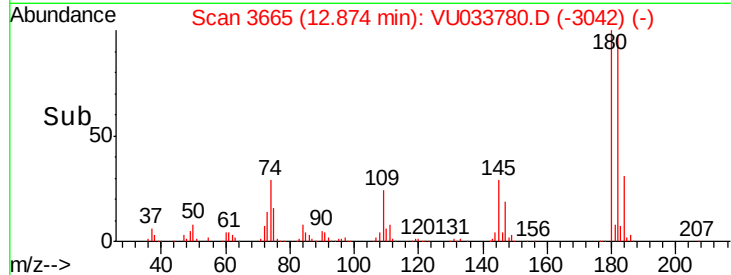
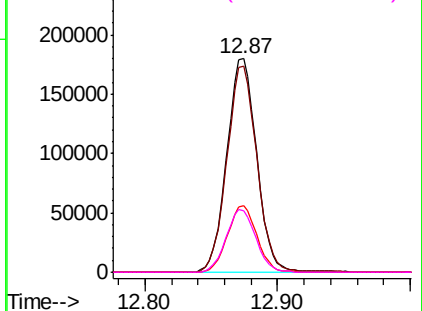
#69
 1,3,5-Trichlorobenzene
 Concen: 52.152 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

Instrument :
 MSVOA_U
 ClientSampled :
 VICV32

Tgt Ion:180 Resp: 282040
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.2 115.8
 184 30.9 24.5 36.7
 145 29.1 23.4 35.0

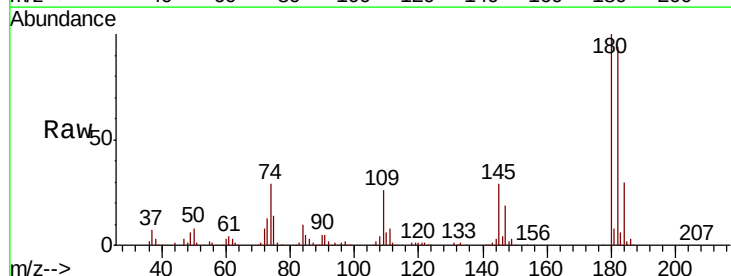


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

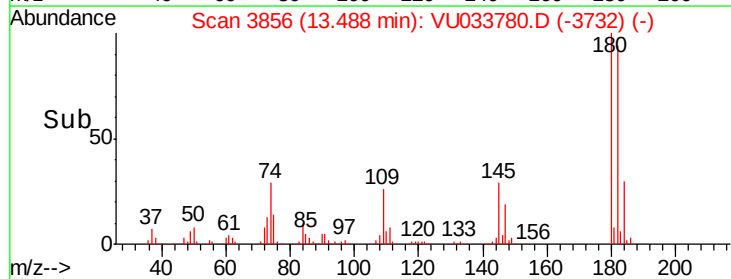
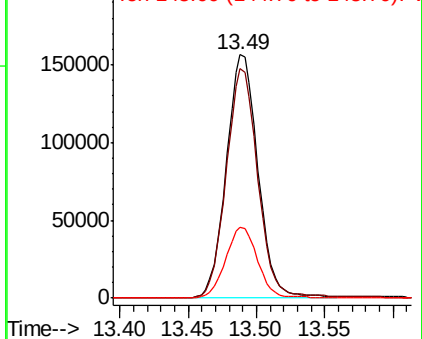


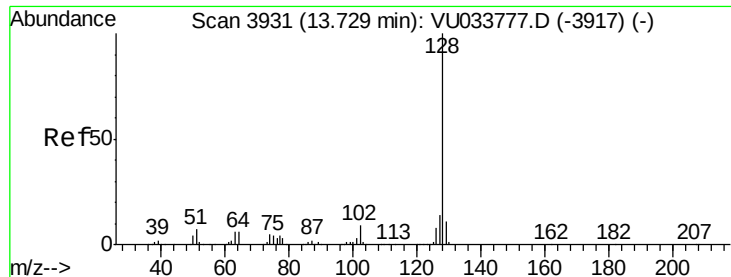
#70
 1,2,4-trichlorobenzene
 Concen: 56.403 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033780.D
 Acq: 13 Aug 2019 11:17

Tgt Ion:180 Resp: 252987
 Ion Ratio Lower Upper
 180 100
 182 93.4 75.3 112.9
 145 29.4 23.3 34.9



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

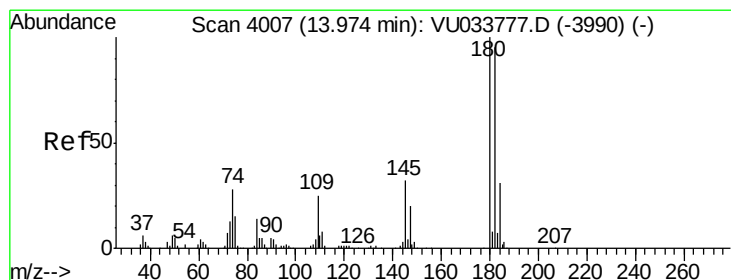
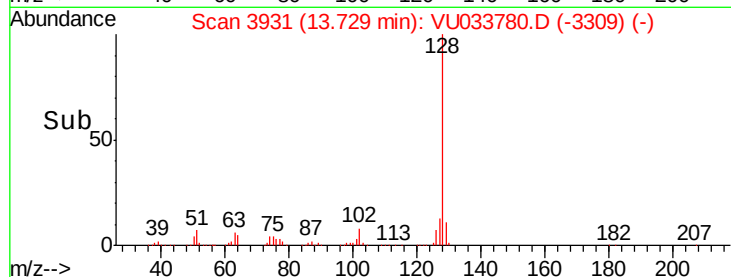
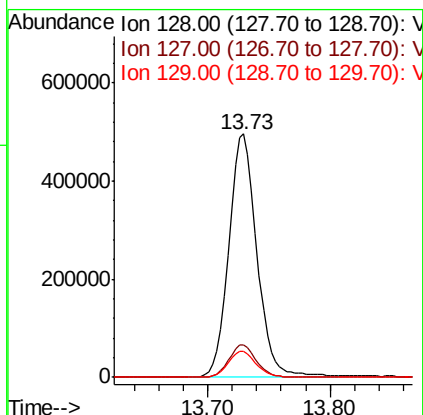
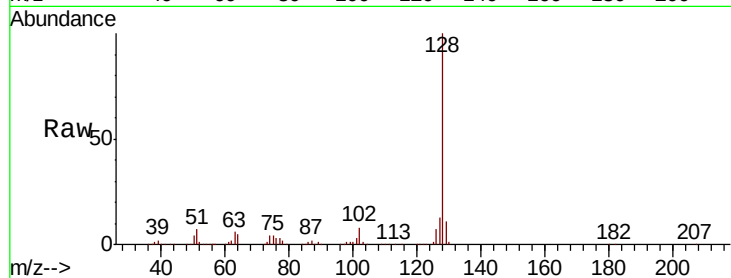




#71
Naphthalene
Concen: 59.924 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. -0.00 min
Lab File: VU033780.D
Acq: 13 Aug 2019 11:17

Instrument :
MSVOA_U
ClientSampleId :
VICV32

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.0	16.4
129	10.8	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 55.409 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033780.D
Acq: 13 Aug 2019 11:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.1	115.7
145	31.9	24.6	36.8

