

Data File : VU033778.D
Acq On : 13 Aug 2019 10:30
Operator : JC/SP
Sample : VSTD10036
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

Quant Time: Aug 14 01:37:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 14 01:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	421210	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	419631	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	224802	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	388315	101.14	ug/L	0.00
7) Chloroethane-d5	1.67	69	313752	98.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	640437	94.51	ug/L	0.00
21) 2-Butanone-d5	4.15	46	471616	216.34	ug/L	0.00
24) Chloroform-d	4.62	84	612959	105.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	378403	101.74	ug/L	0.00
32) Benzene-d6	5.32	84	1236249	108.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	387594	109.53	ug/L	0.00
41) Toluene-d8	7.55	98	1163440	109.03	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	192188	111.40	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	361374	245.87	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.41	84	553412	102.71	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.84	152	452968	103.64	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	405430	96.251	ug/L	99
3) Chloromethane	1.32	50	413177	98.113	ug/L	99
5) Vinyl chloride	1.39	62	457692	95.575	ug/L	99
6) Bromomethane	1.61	94	397626	112.573	ug/L	97
8) Chloroethane	1.68	64	272199	92.328	ug/L	99
9) Trichlorofluoromethane	1.87	101	577659	92.650	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	285943	91.784	ug/L	99
12) 1,1-Dichloroethene	2.27	96	282205	93.522	ug/L	97
13) Acetone	2.31	43	362042	169.268	ug/L	100
14) Carbon disulfide	2.46	76	888390	96.355	ug/L	100
15) Methyl Acetate	2.60	43	332642	95.873	ug/L	98
16) Methylene chloride	2.68	84	319424	94.435	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	299087	97.295	ug/L	100
18) Methyl tert-butyl Ether	2.98	73	935273	103.639	ug/L	99
19) 1,1-Dichloroethane	3.42	63	562181	97.459	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	336985	99.843	ug/L	96
22) 2-Butanone	4.23	43	499853	195.249	ug/L	100
23) Bromochloromethane	4.52	128	172673	96.078	ug/L	98
25) Chloroform	4.65	83	581748	95.519	ug/L	100
27) 1,2-Dichloroethane	5.38	62	453521	95.524	ug/L	100
29) Cyclohexane	4.97	56	497458	107.754	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	494117	98.527	ug/L	99
31) Carbon tetrachloride	5.11	117	444523	99.648	ug/L	100
33) Benzene	5.37	78	1280564	101.429	ug/L	100
34) Trichloroethene	6.16	95	327361	99.495	ug/L	99
35) Methylcyclohexane	6.40	83	529633	105.484	ug/L	98
37) 1,2-Dichloropropane	6.41	63	344815	101.338	ug/L	100
38) Bromodichloromethane	6.74	83	440427	98.672	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	550770	108.999	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	914894	206.258	ug/L	100

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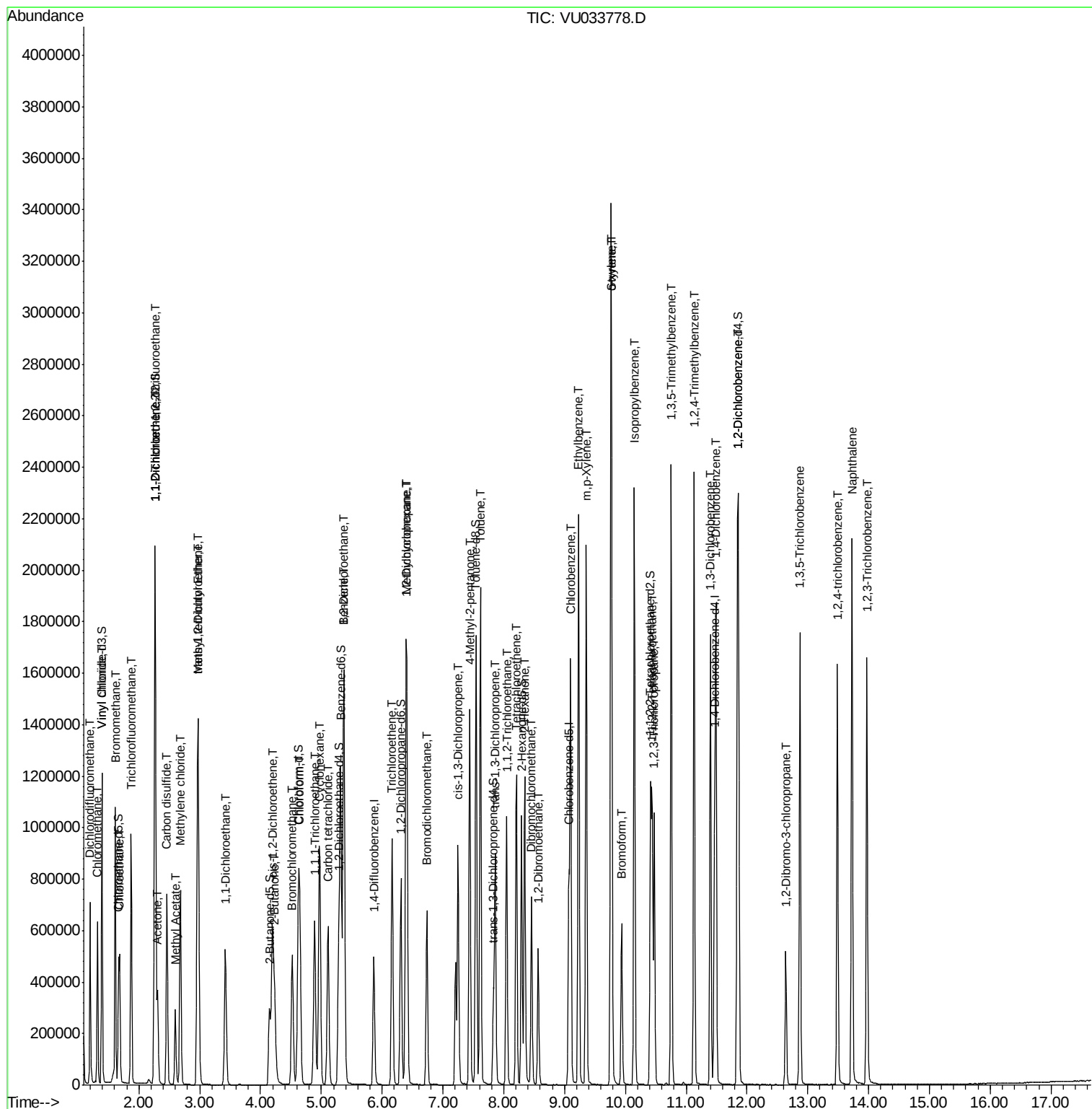
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	1402639	103.698	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	491267	106.968	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	318399	98.547	ug/L	99
46) Tetrachloroethene	8.21	164	266083	99.122	ug/L	99
48) 2-Hexanone	8.34	43	715984	199.467	ug/L	99
49) Dibromochloromethane	8.46	129	365894	101.208	ug/L	100
50) 1,2-Dibromoethane	8.57	107	347940	99.505	ug/L	100
51) Chlorobenzene	9.10	112	866638	96.829	ug/L	100
52) Ethylbenzene	9.23	91	1513046	103.448	ug/L	100
53) m,p-Xylene	9.36	106	576227	104.697	ug/L	100
54) o-xylene	9.76	106	564754	104.697	ug/L	98
55) Styrene	9.77	104	981142	107.059	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	538168	94.378	ug/L	99
59) Bromoform	9.94	173	278876	98.381	ug/L	100
60) 1,2,3-Trichloropropane	10.48	75	424886	92.572	ug/L	100
61) Isopropylbenzene	10.15	105	1462336	101.490	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	1242759	106.773	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	1231205	106.583	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	700896	95.272	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	707921	92.992	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	704268	95.821	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	129583	101.845	ug/L	98
69) 1,3,5-Trichlorobenzene	12.87	180	548457	98.254	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	501751	107.174	ug/L	99
71) Naphthalene	13.73	128	1631148	119.667	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	521683	106.727	ug/L	98

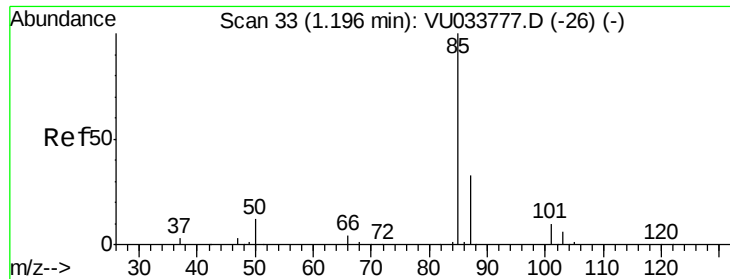
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 96.251 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

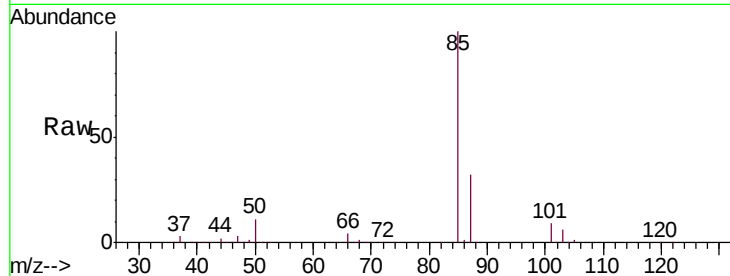
VSTD10036

Tgt Ion: 85 Resp: 405430

Ion Ratio Lower Upper

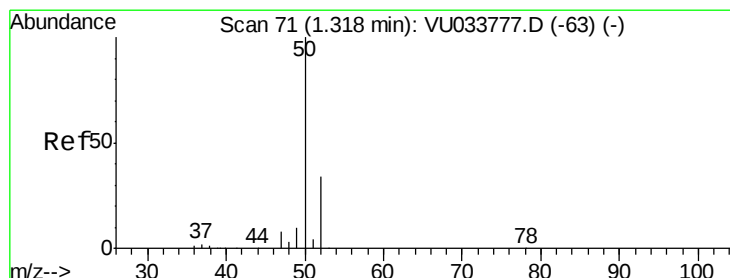
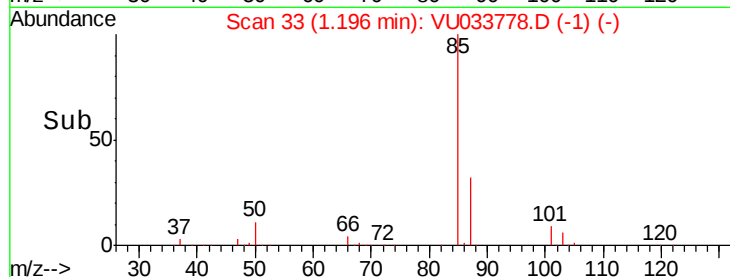
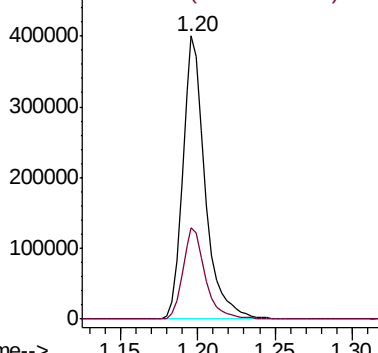
85 100

87 32.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 98.113 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033778.D

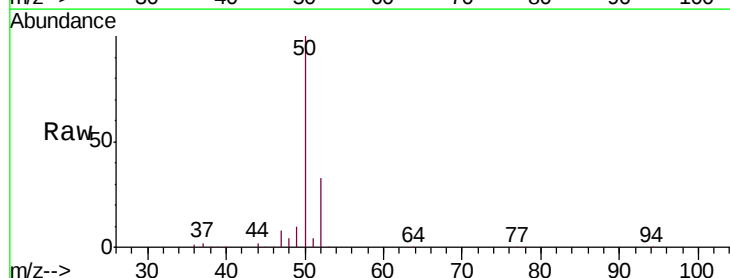
Acq: 13 Aug 2019 10:30

Tgt Ion: 50 Resp: 413177

Ion Ratio Lower Upper

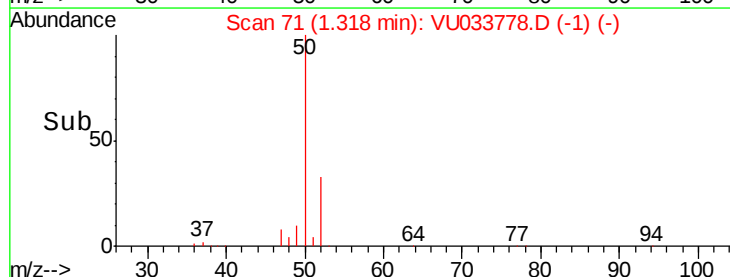
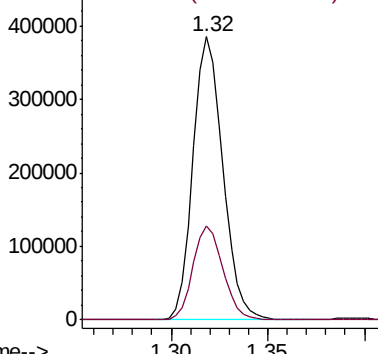
50 100

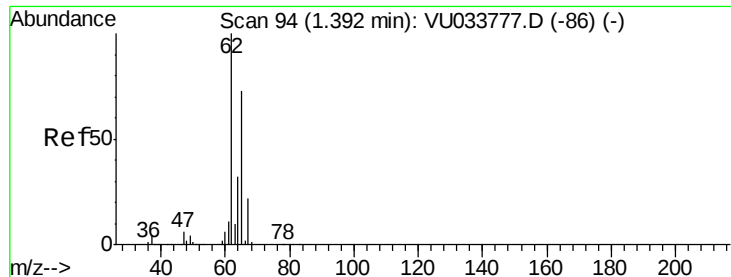
52 33.1 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 95.575 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

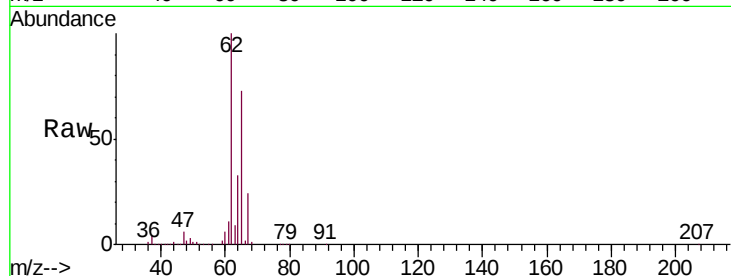
VSTD10036

Tgt Ion: 62 Resp: 457692

Ion Ratio Lower Upper

62 100

64 32.7 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU033777.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033777.D (-86) (-)

1.39

400000

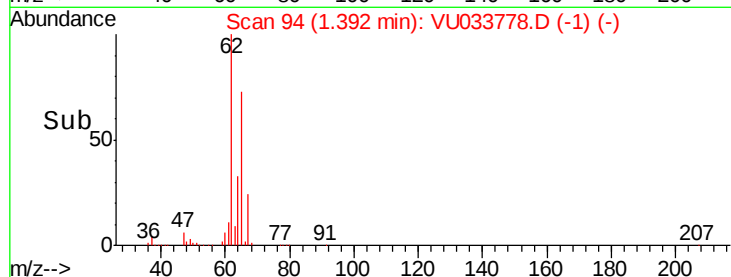
300000

200000

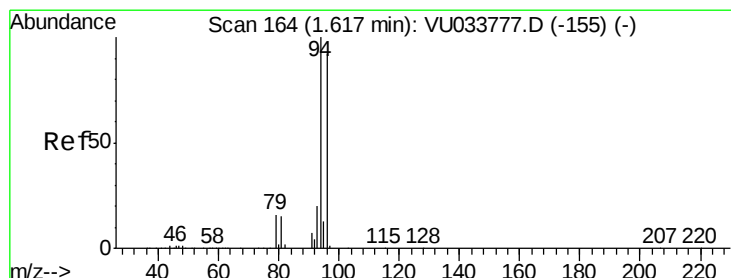
100000

0

Time-->



Time-->



#6

Bromomethane

Concen: 112.573 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU033778.D

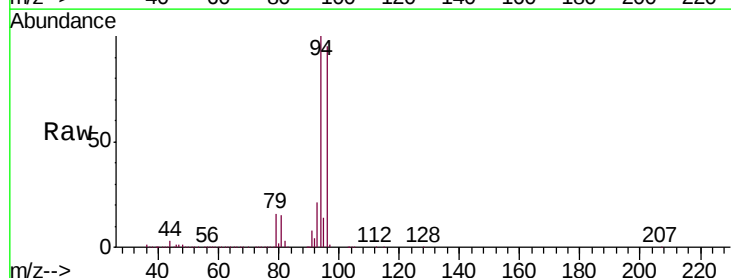
Acq: 13 Aug 2019 10:30

Tgt Ion: 94 Resp: 397626

Ion Ratio Lower Upper

94 100

96 94.6 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU033777.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU033777.D (-155) (-)

1.61

400000

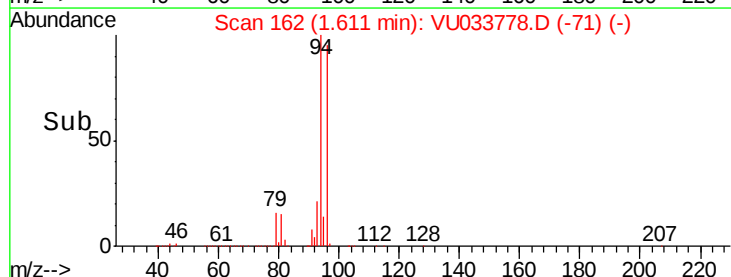
300000

200000

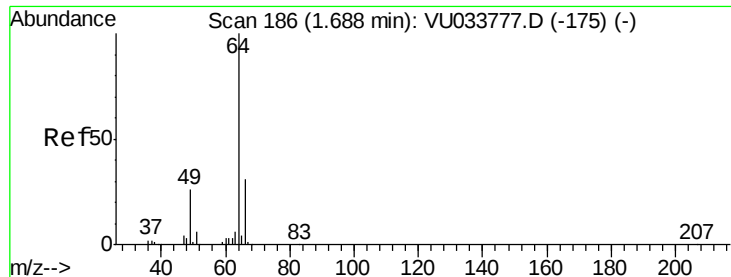
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Time-->



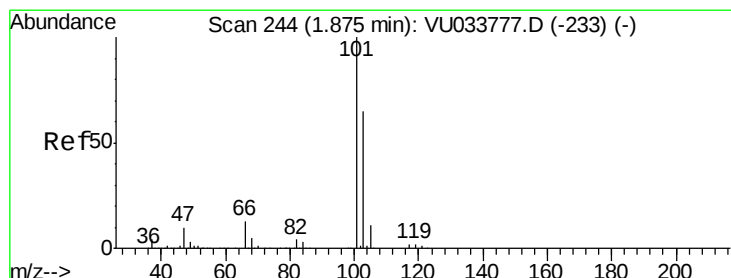
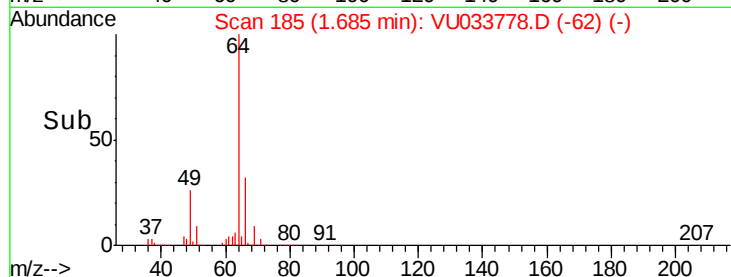
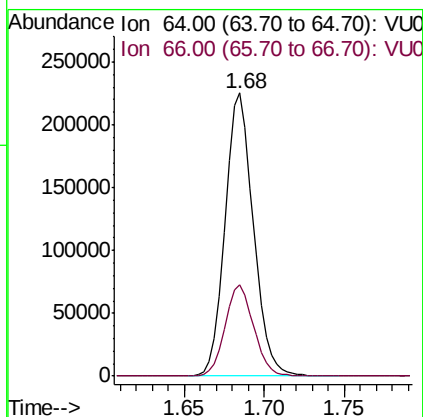
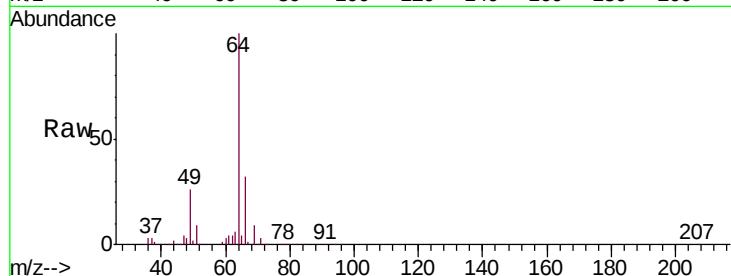
Time-->



#8
Chloroethane
Concen: 92.328 ug/L
RT: 1.68 min Scan# 185
Delta R.T. -0.00 min
Lab File: VU033778.D
Acq: 13 Aug 2019 10:30

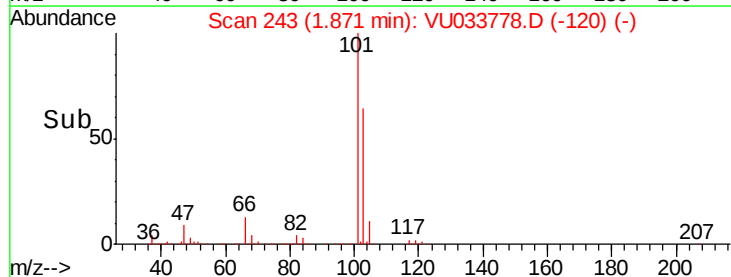
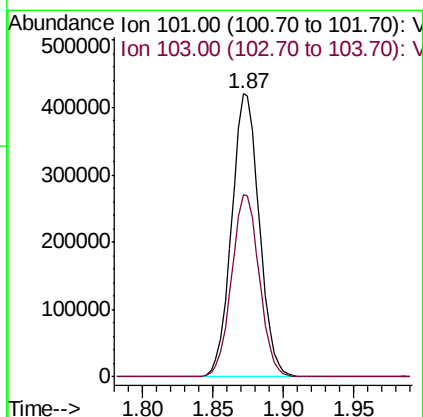
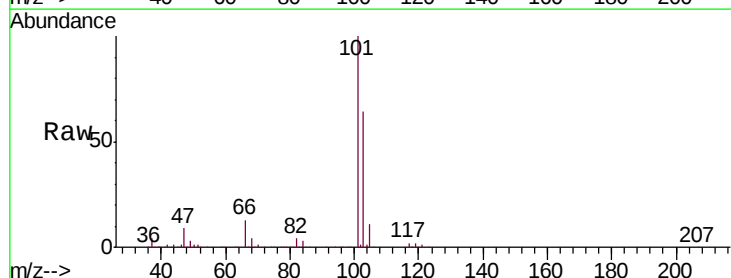
Instrument :
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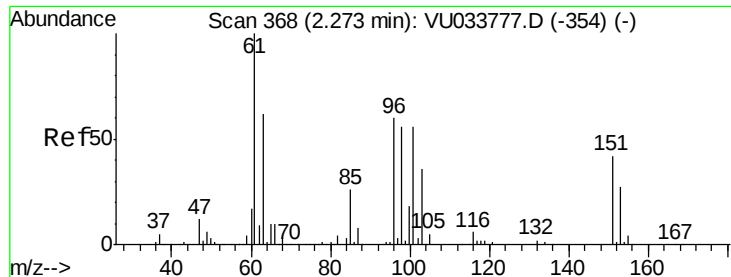
Tgt Ion: 64 Resp: 272199
Ion Ratio Lower Upper
64 100
66 32.1 21.9 40.7



#9
Trichlorofluoromethane
Concen: 92.650 ug/L
RT: 1.87 min Scan# 243
Delta R.T. -0.00 min
Lab File: VU033778.D
Acq: 13 Aug 2019 10:30

Tgt Ion: 101 Resp: 577659
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.4





#10

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

Concen: 91.784 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

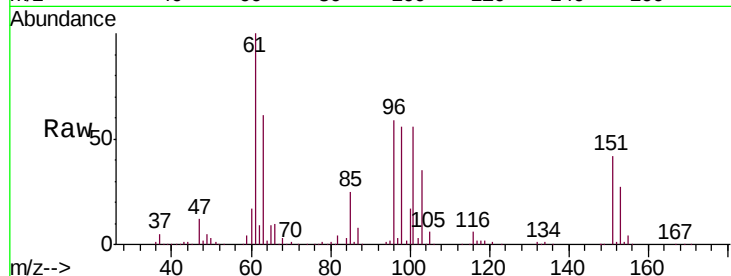
Tgt Ion: 101 Resp: 285943

Ion Ratio Lower Upper

101 100

85 44.2 35.2 52.8

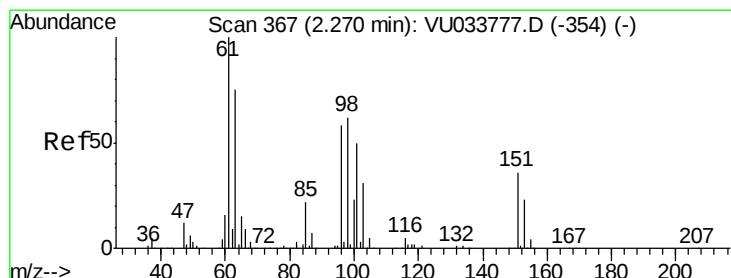
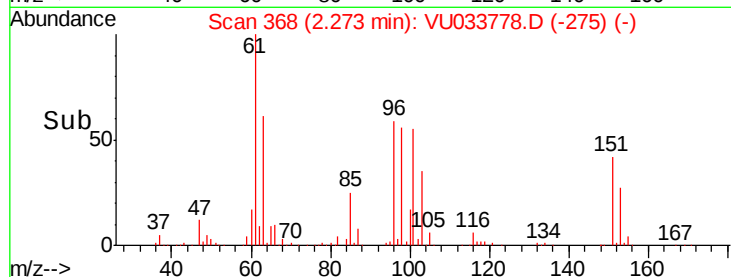
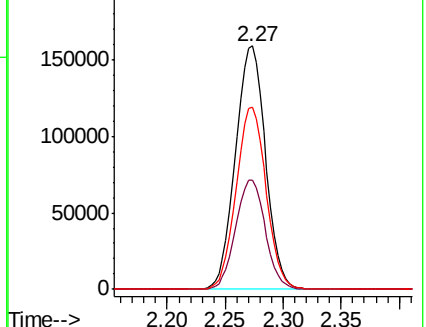
151 74.6 58.5 87.7



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: 93.522 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

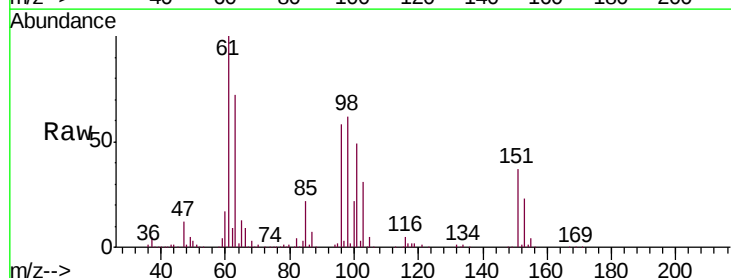
Tgt Ion: 96 Resp: 282205

Ion Ratio Lower Upper

96 100

61 173.7 121.5 225.7

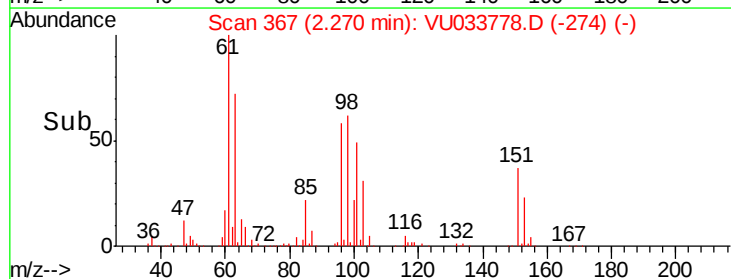
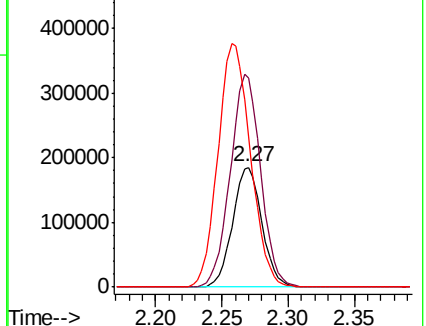
63 124.8 92.9 172.5

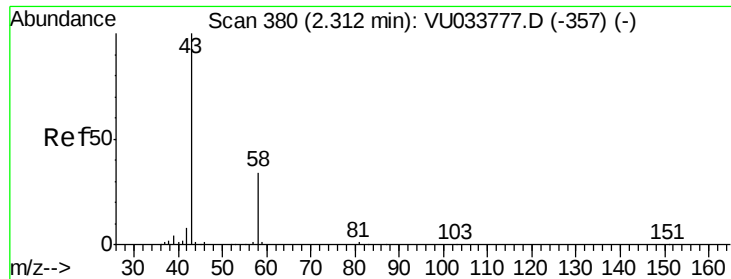


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 169.268 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

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ClientSampleId :

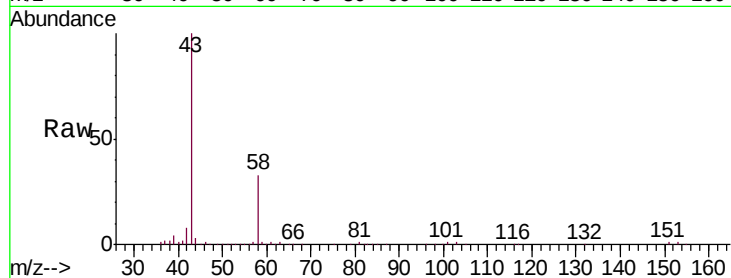
VSTD10036

Tgt Ion: 43 Resp: 362042

Ion Ratio Lower Upper

43 100

58 32.8 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VU033777.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU033777.D (-357) (-)

2.31

200000

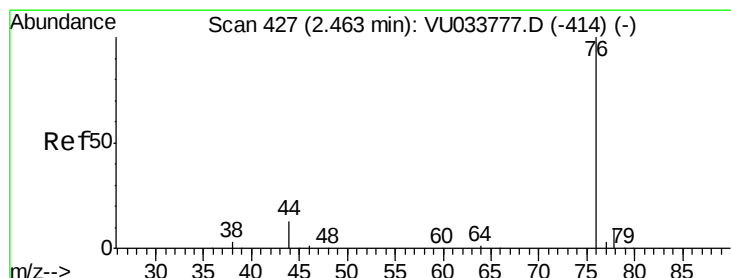
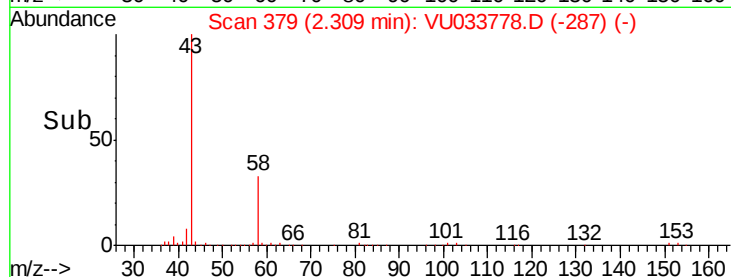
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 96.355 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033778.D

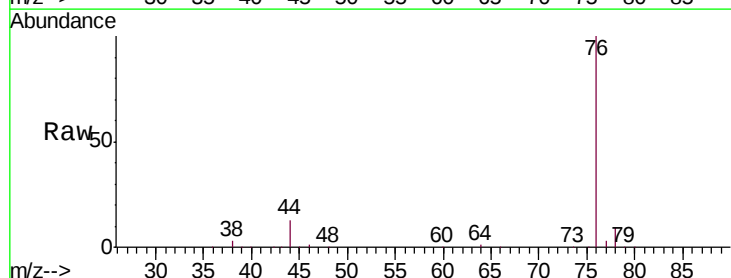
Acq: 13 Aug 2019 10:30

Tgt Ion: 76 Resp: 888390

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU033777.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033777.D (-414) (-)

2.46

600000

500000

400000

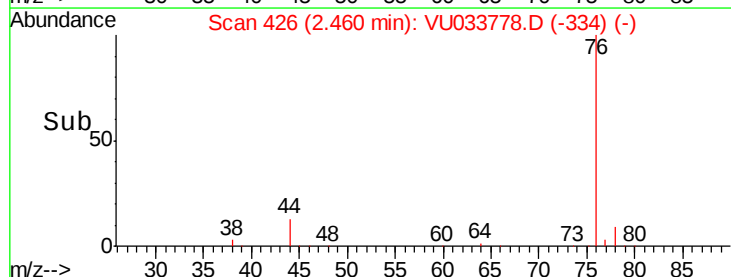
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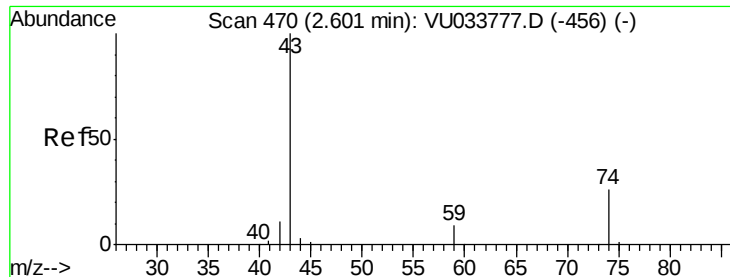
200000

100000

0

Time-->

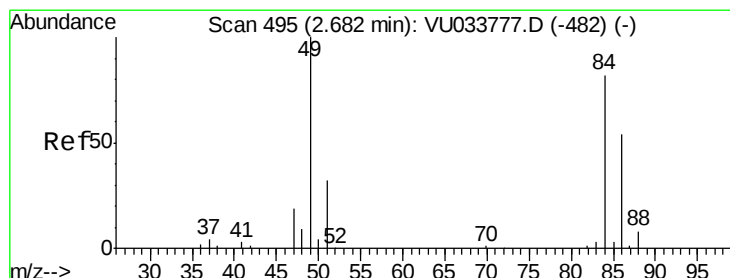
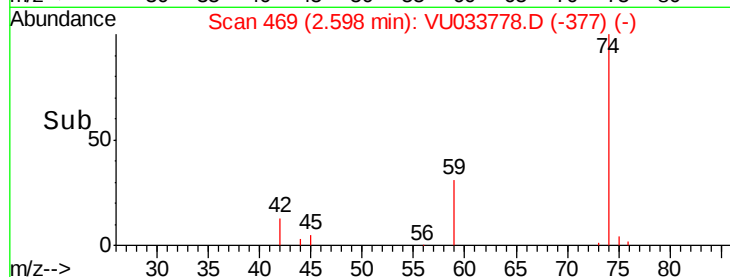
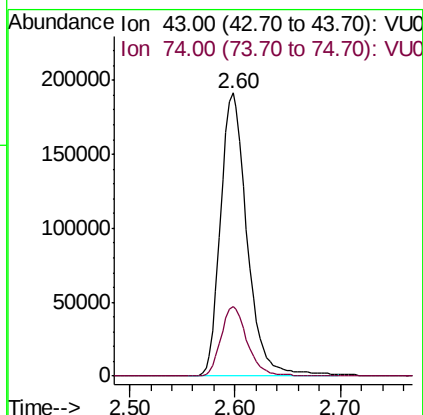
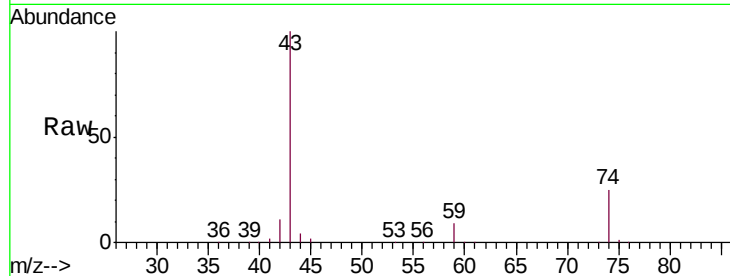




#15
Methyl Acetate
Concen: 95.873 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU033778.D
Acq: 13 Aug 2019 10:30

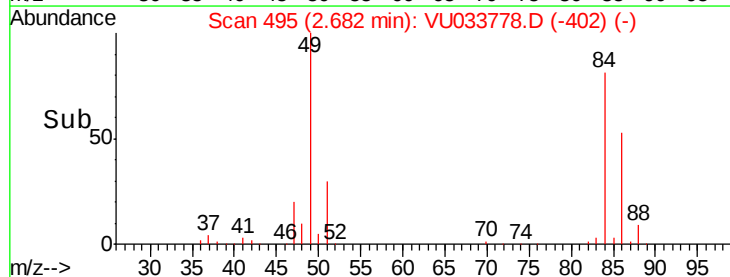
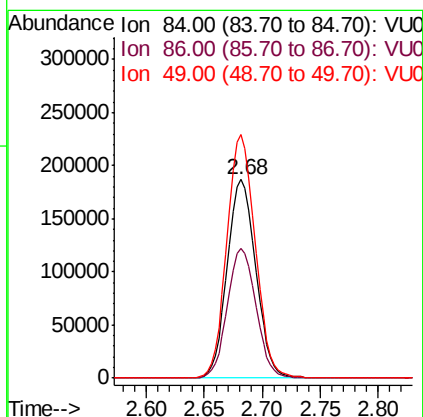
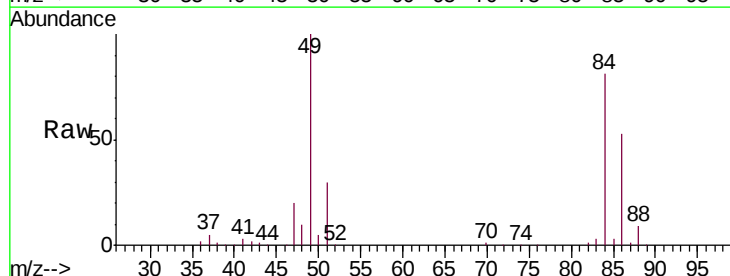
Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

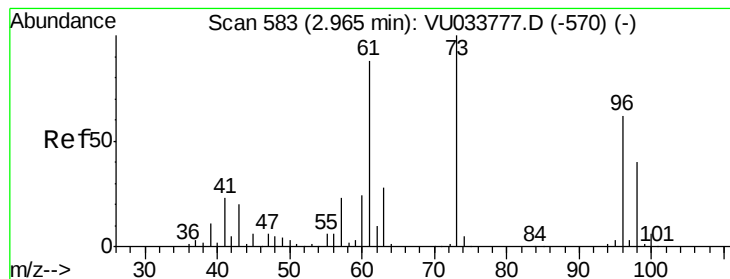
Tgt Ion: 43 Resp: 332642
Ion Ratio Lower Upper
43 100
74 24.4 20.3 30.5



#16
Methylene chloride
Concen: 94.435 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033778.D
Acq: 13 Aug 2019 10:30

Tgt Ion: 84 Resp: 319424
Ion Ratio Lower Upper
84 100
86 65.5 45.4 84.4
49 122.7 84.9 157.7





#17

trans-1,2-Dichloroethene

Concen: 97.295 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

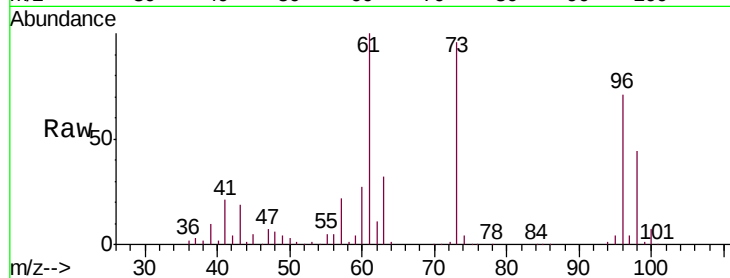
Tgt Ion: 96 Resp: 299087

Ion Ratio Lower Upper

96 100

61 141.4 98.8 183.6

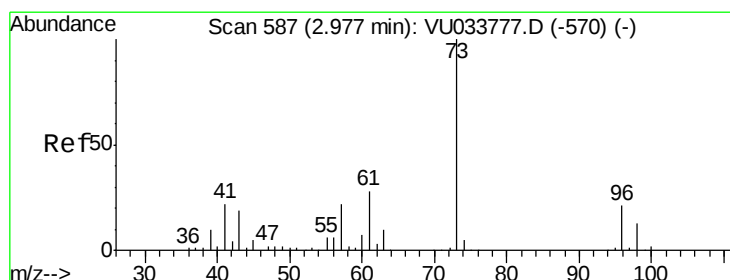
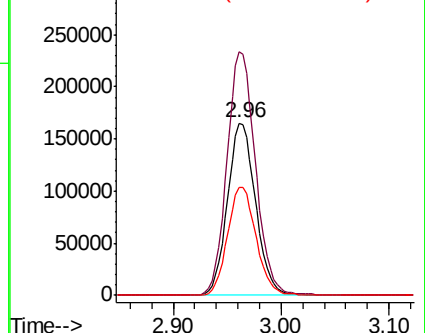
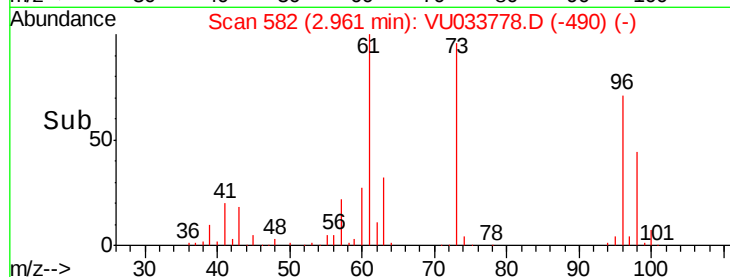
98 62.8 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033777.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU033777.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU033777.D (-570) (-)



#18

Methyl tert-butyl Ether

Concen: 103.639 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

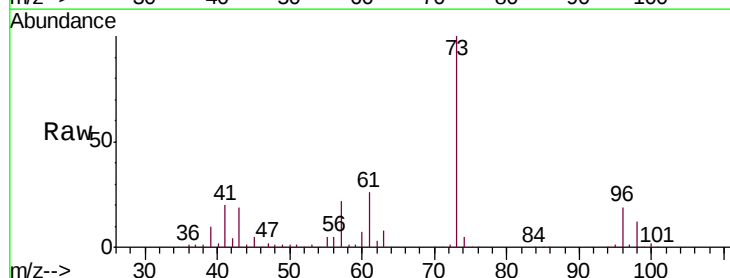
Tgt Ion: 73 Resp: 935273

Ion Ratio Lower Upper

73 100

43 18.8 15.4 23.2

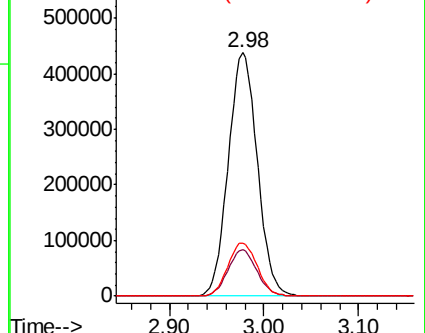
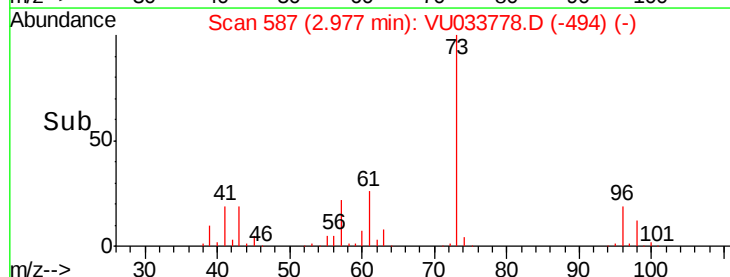
57 22.1 17.9 26.9

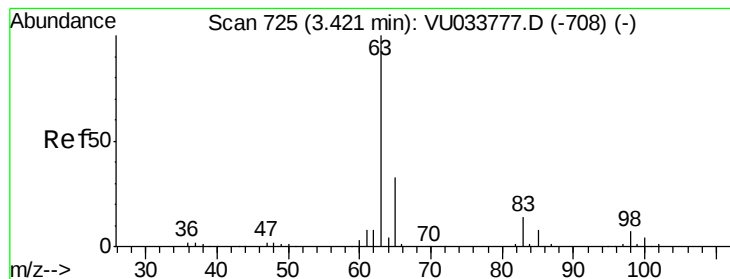


Abundance Ion 73.00 (72.70 to 73.70): VU033777.D (-570) (-)

Ion 43.00 (42.70 to 43.70): VU033777.D (-570) (-)

Ion 57.00 (56.70 to 57.70): VU033777.D (-570) (-)





#19

1,1-Dichloroethane

Concen: 97.459 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

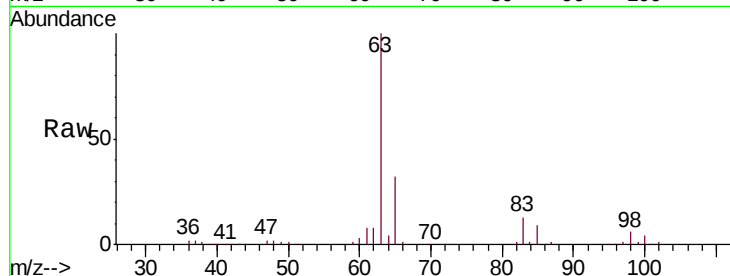
Tgt Ion: 63 Resp: 562181

Ion Ratio Lower Upper

63 100

65 31.8 22.8 42.4

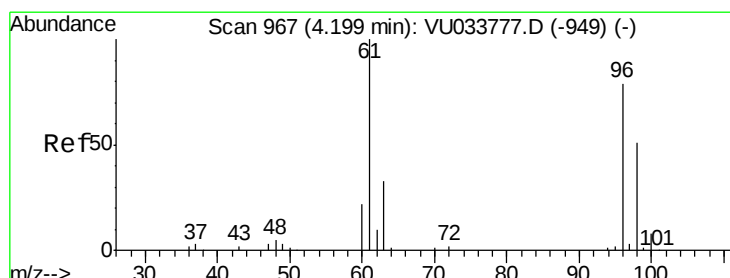
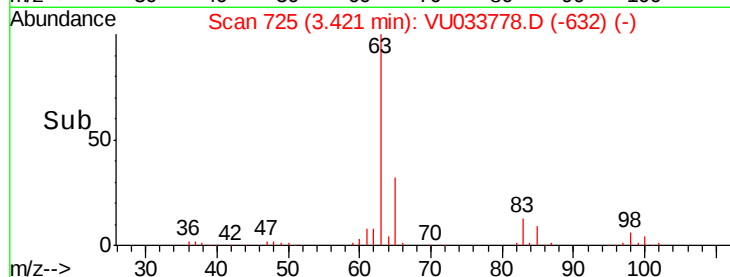
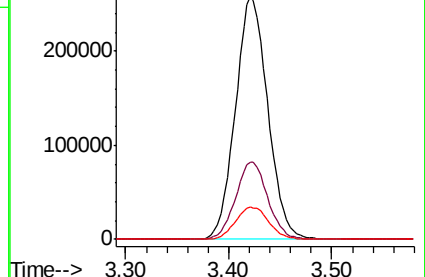
83 13.1 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VU033777.D (-708) (-)

Ion 65.00 (64.70 to 65.70): VU033777.D (-708) (-)

Ion 83.00 (82.70 to 83.70): VU033777.D (-708) (-)



#20

cis-1,2-Dichloroethene

Concen: 99.843 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

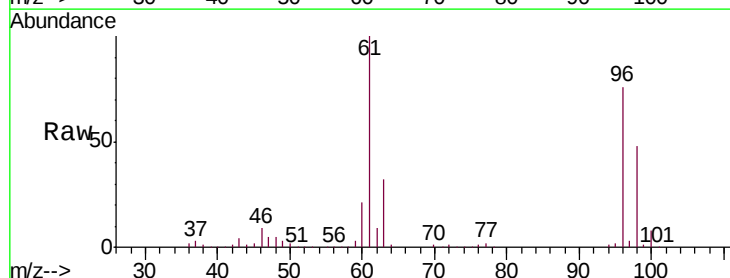
Tgt Ion: 96 Resp: 336985

Ion Ratio Lower Upper

96 100

61 131.0 88.3 163.9

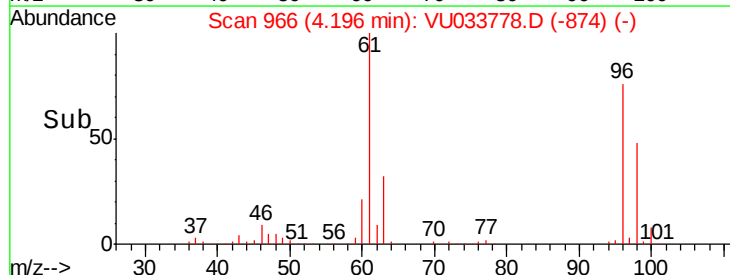
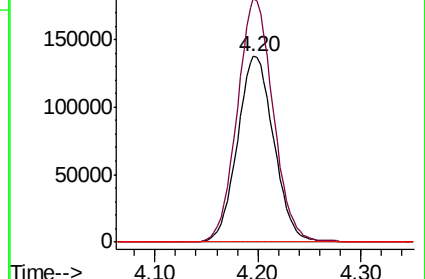
68 0.0 0.0 0.0

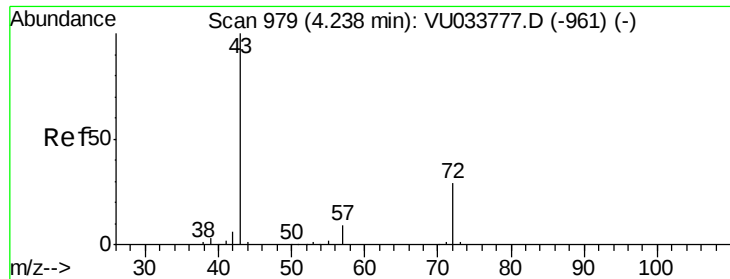


Abundance Ion 96.00 (95.70 to 96.70): VU033777.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033777.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU033777.D (-949) (-)





#22

2-Butanone

Concen: 195.249 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.01 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

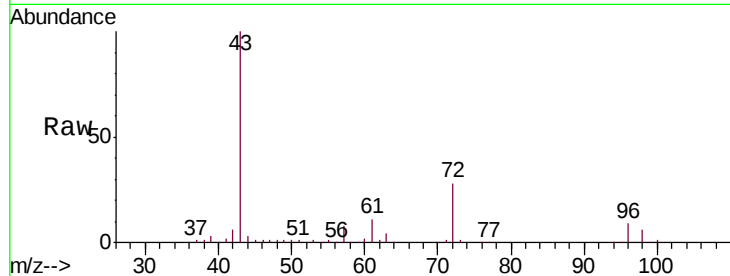
VSTD10036

Tgt Ion: 43 Resp: 499853

Ion Ratio Lower Upper

43 100

72 28.8 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) (-)

4.23

200000

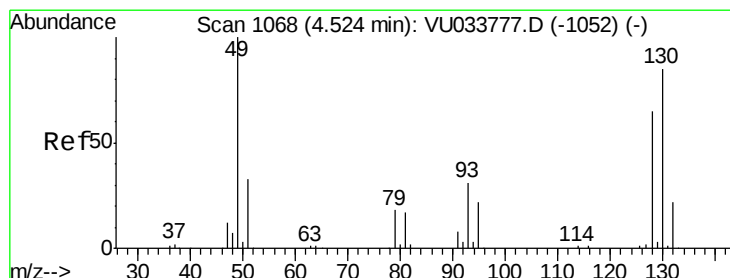
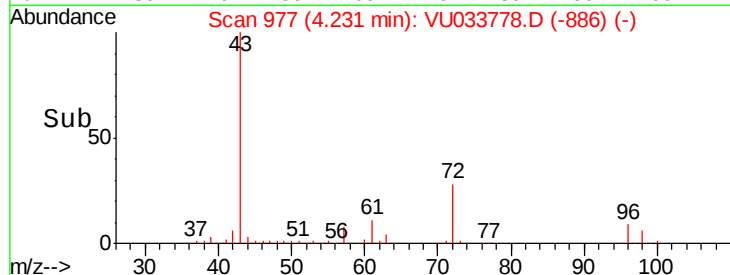
150000

100000

50000

0

Time--> 4.10 4.20 4.30 4.40



#23

Bromochloromethane

Concen: 96.078 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Tgt Ion: 128 Resp: 172673

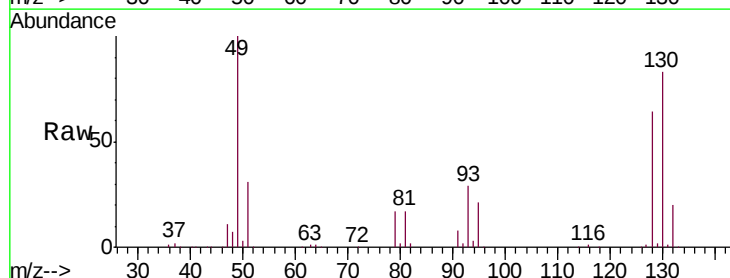
Ion Ratio Lower Upper

128 100

49 156.7 108.1 200.7

130 129.7 91.8 170.6

51 49.3 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) (-)

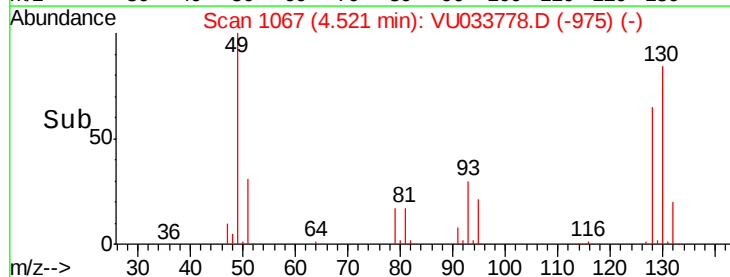
150000

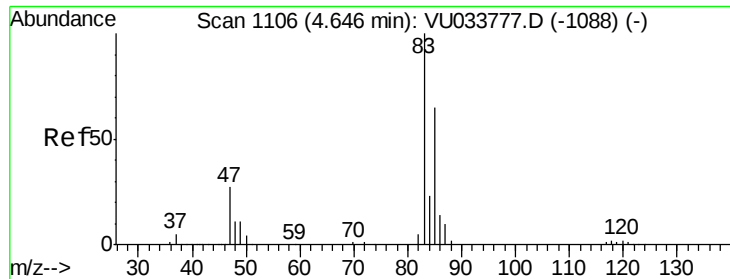
100000

50000

0

Time--> 4.40 4.50 4.60

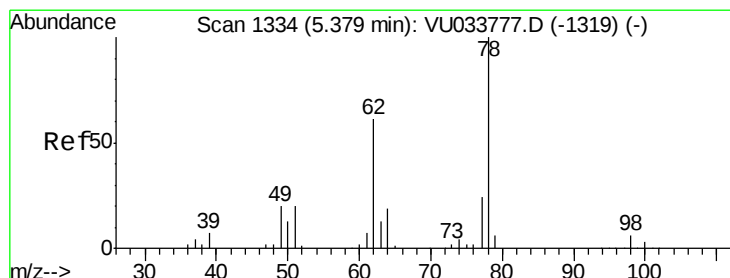
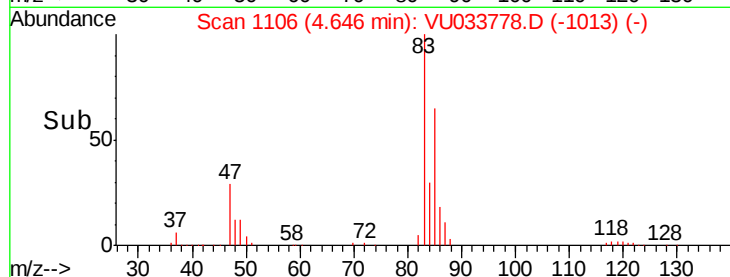
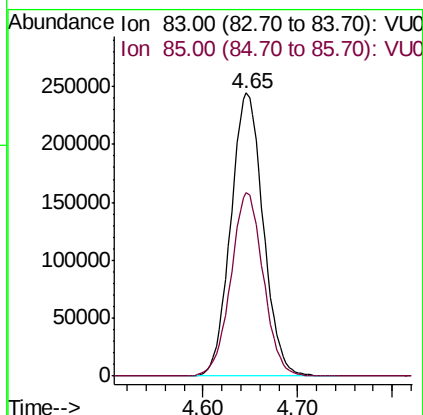
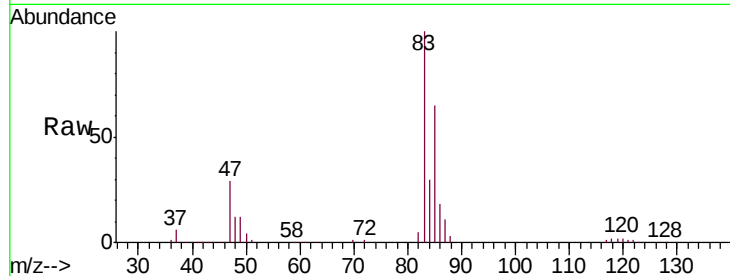




#25
 Chloroform
 Concen: 95.519 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

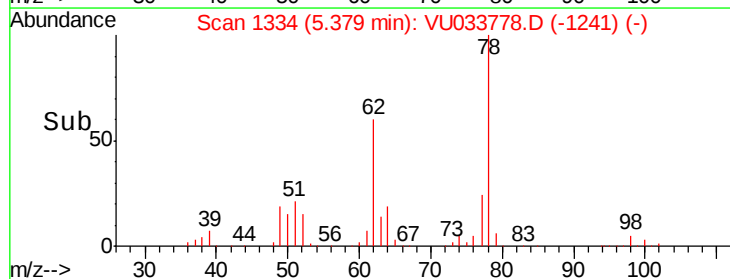
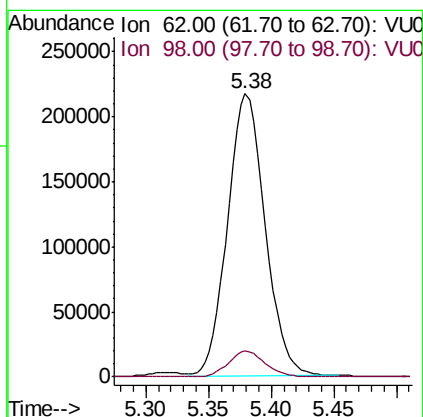
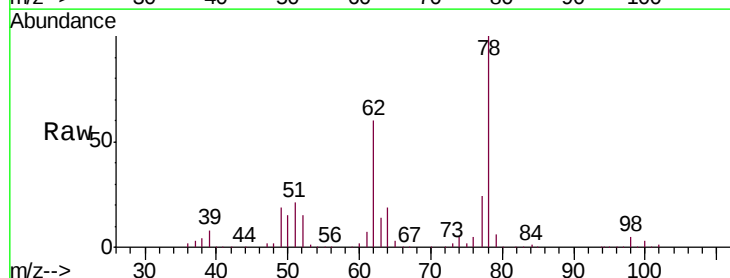
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

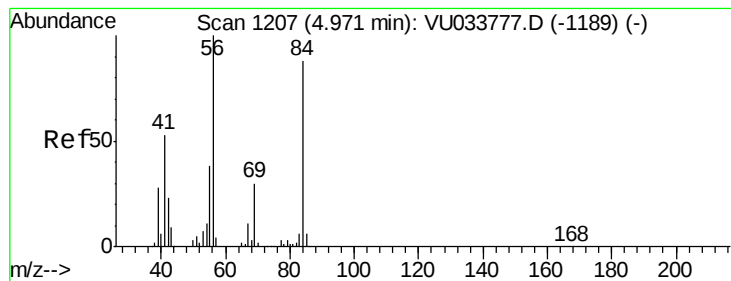
Tgt Ion: 83 Resp: 581748
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.6 84.6



#27
 1,2-Dichloroethane
 Concen: 95.524 ug/L
 RT: 5.38 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

Tgt Ion: 62 Resp: 453521
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.4 11.0





#29

Cyclohexane

Concen: 107.754 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

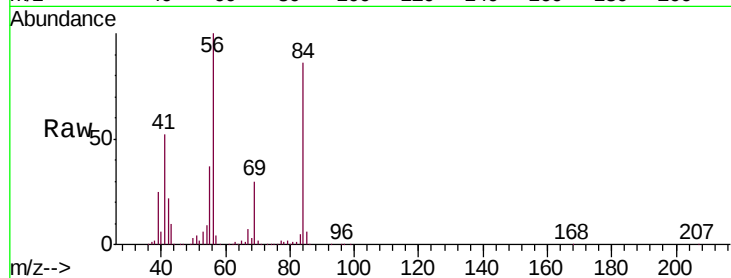
Tgt Ion: 56 Resp: 497458

Ion Ratio Lower Upper

56 100

69 30.6 25.0 37.4

84 87.1 70.3 105.5



Abundance Ion 56.00 (55.70 to 56.70): VU033777.D (-1189) (-)

Ion 69.00 (68.70 to 69.70): VU033777.D (-1189) (-)

Ion 84.00 (83.70 to 84.70): VU033777.D (-1189) (-)

250000

200000

150000

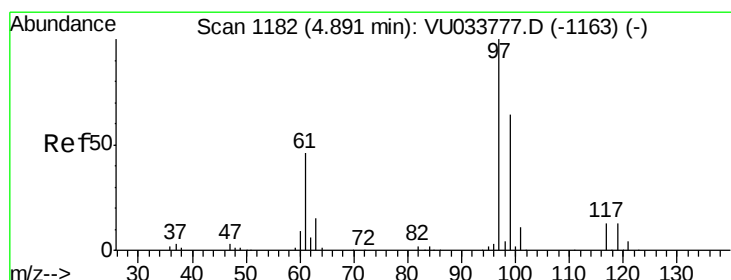
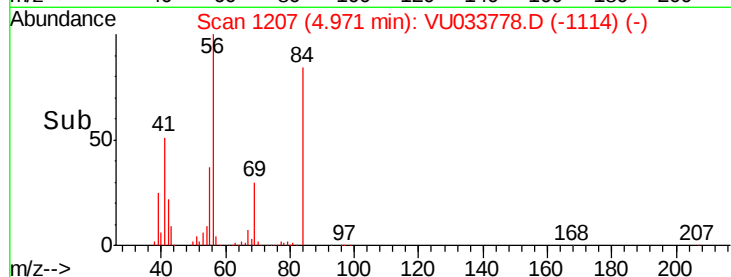
100000

50000

0

4.85 4.90 4.95 5.00 5.05

Time-->



#30

1,1,1-Trichloroethane

Concen: 98.527 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

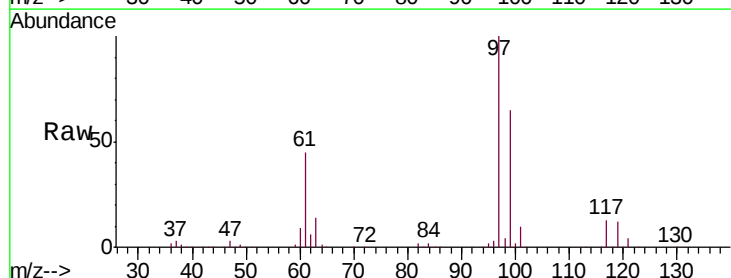
Tgt Ion: 97 Resp: 494117

Ion Ratio Lower Upper

97 100

99 64.8 50.9 76.3

61 45.3 36.6 54.8



Abundance Ion 97.00 (96.70 to 97.70): VU033777.D (-1163) (-)

Ion 99.00 (98.70 to 99.70): VU033777.D (-1163) (-)

Ion 61.05 (60.75 to 61.75): VU033777.D (-1163) (-)

250000

200000

150000

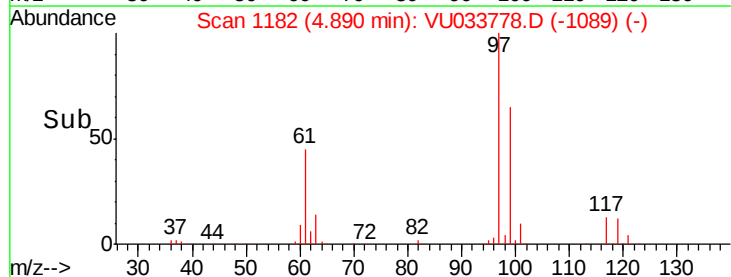
100000

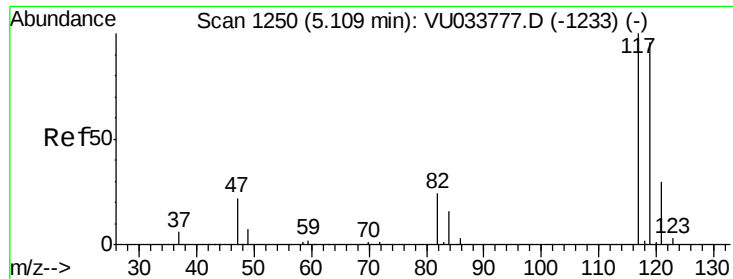
50000

0

4.80 4.90 5.00

Time-->





#31

Carbon tetrachloride

Concen: 99.648 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

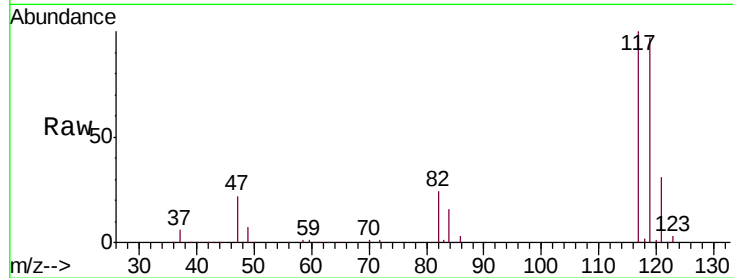
VSTD10036

Tgt Ion:117 Resp: 444523

Ion Ratio Lower Upper

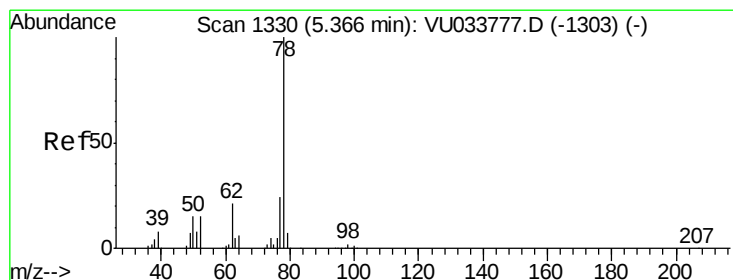
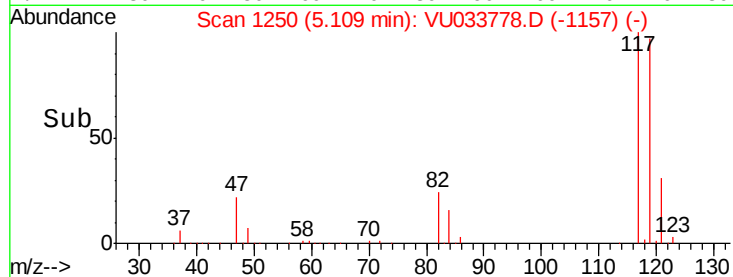
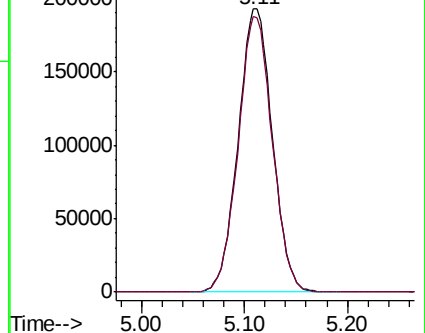
117 100

119 97.1 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: 101.429 ug/L

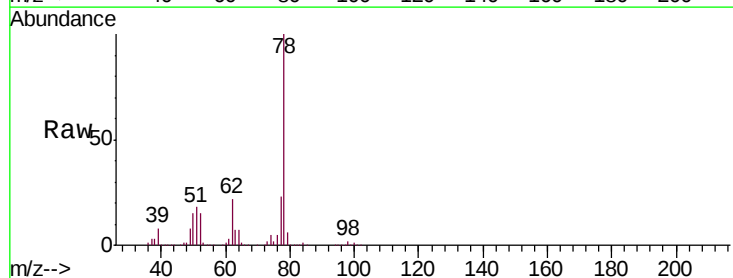
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

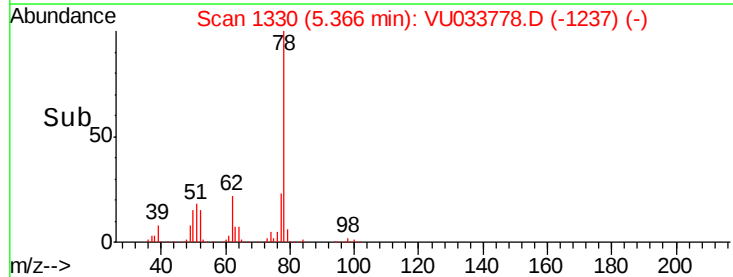
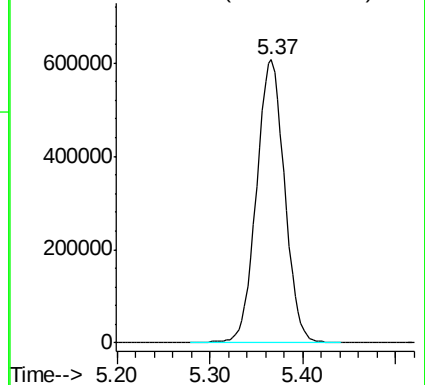
Lab File: VU033778.D

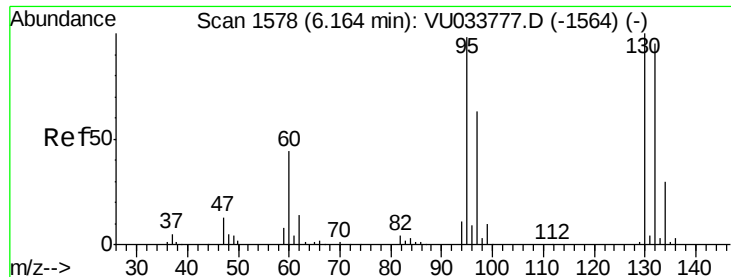
Acq: 13 Aug 2019 10:30

Tgt Ion: 78 Resp: 1280564



Abundance Ion 78.00 (77.70 to 78.70): VU0

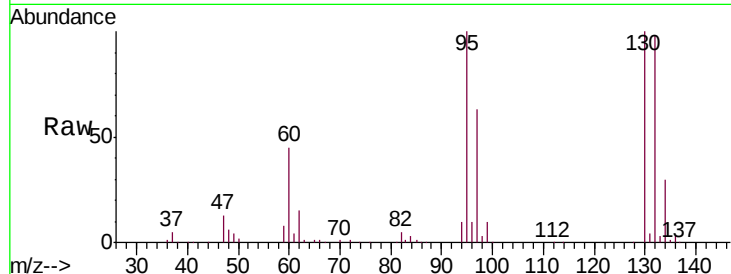




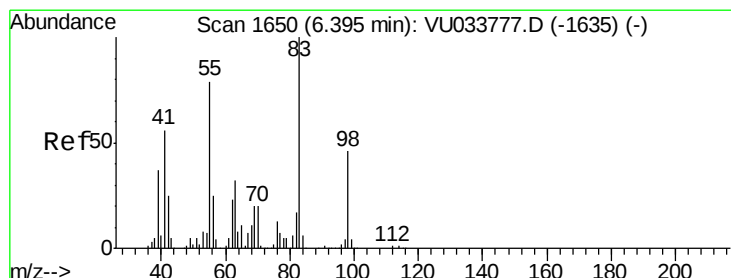
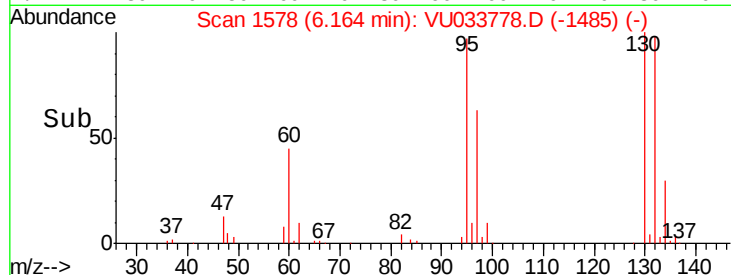
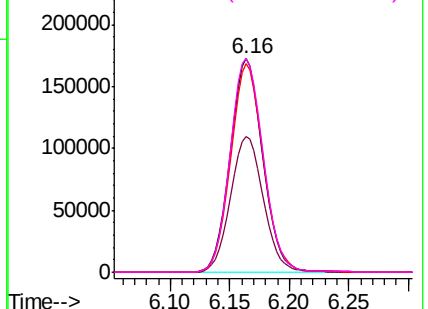
#34
 Trichloroethene
 Concen: 99.495 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

Tgt Ion: 95 Resp: 327361
 Ion Ratio Lower Upper
 95 100
 97 63.5 45.1 83.7
 132 97.7 67.9 126.1
 130 100.0 71.6 133.0

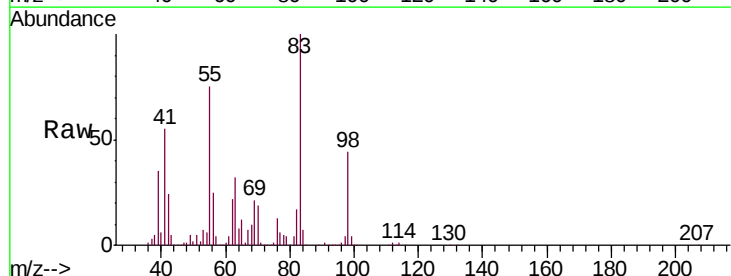


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

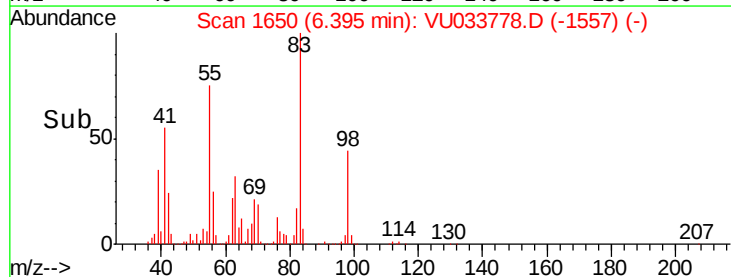
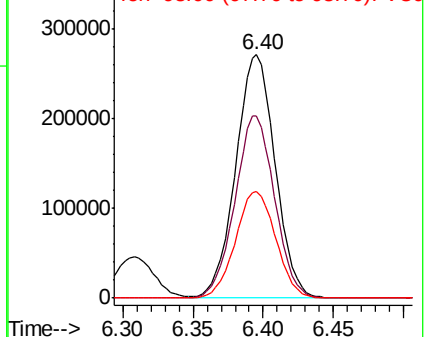


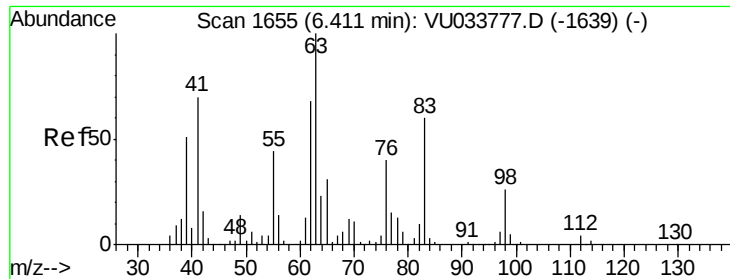
#35
 Methylcyclohexane
 Concen: 105.484 ug/L
 RT: 6.40 min Scan# 1650
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

Tgt Ion: 83 Resp: 529633
 Ion Ratio Lower Upper
 83 100
 55 75.4 62.2 93.4
 98 44.8 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

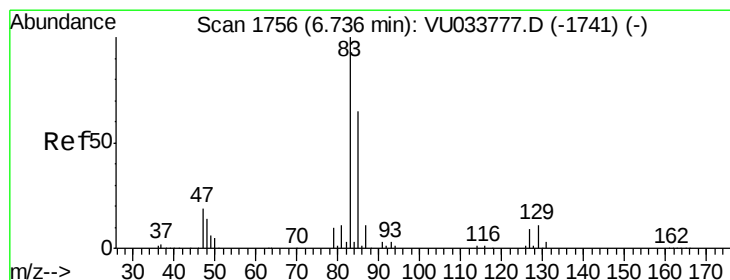
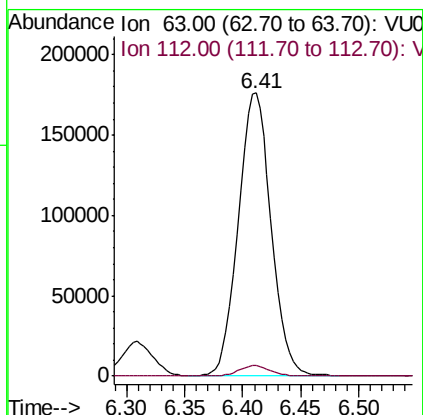
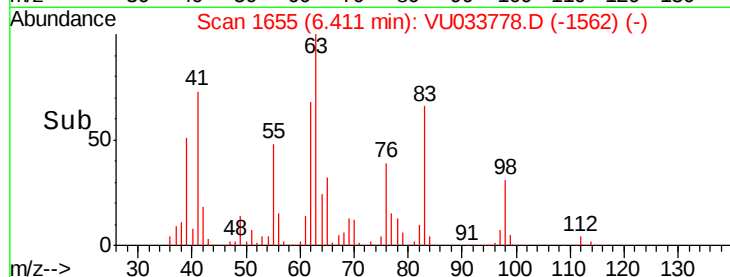
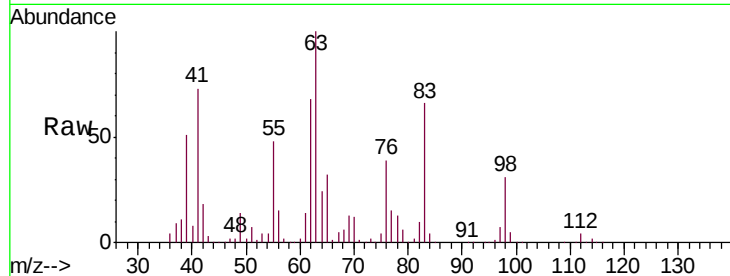




#37
 1,2-Dichloropropane
 Concen: 101.338 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

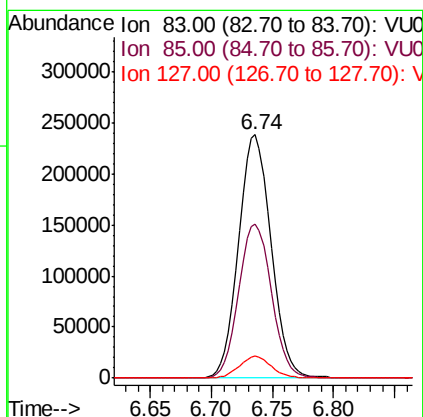
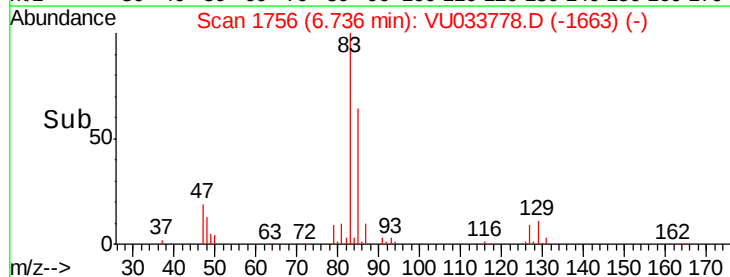
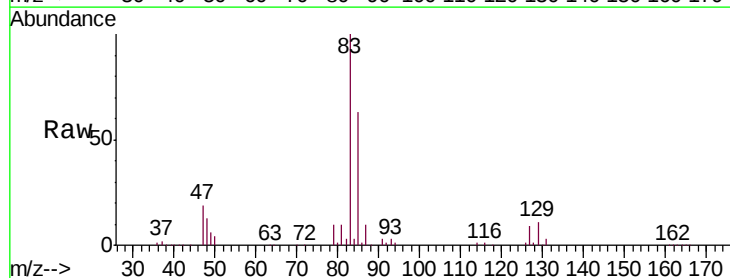
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

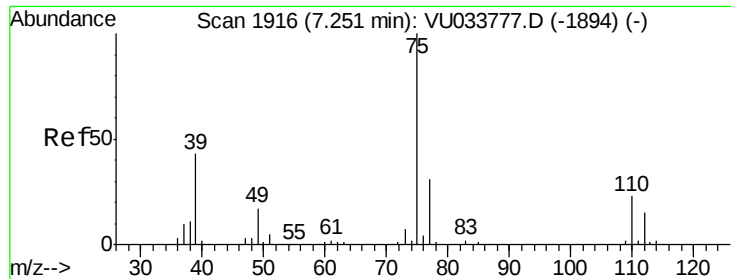
Tgt Ion: 63 Resp: 344815
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.6



#38
 Bromodichloromethane
 Concen: 98.672 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

Tgt Ion: 83 Resp: 440427
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.8 85.0
 127 9.0 7.4 11.0

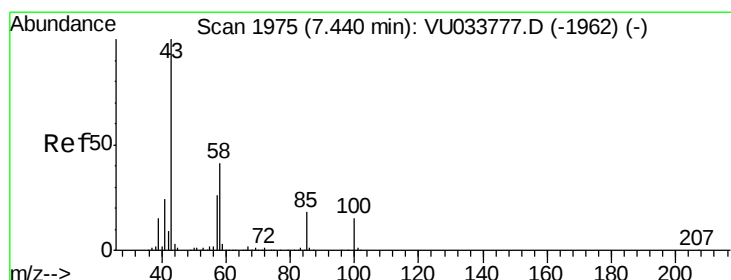
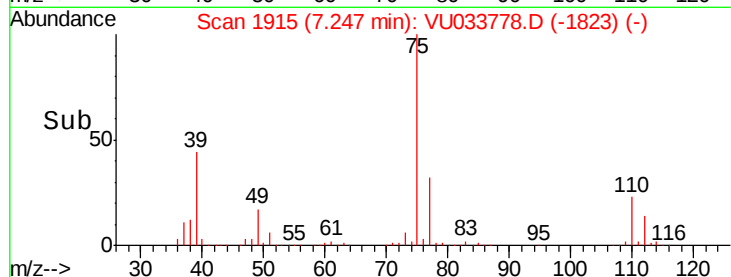
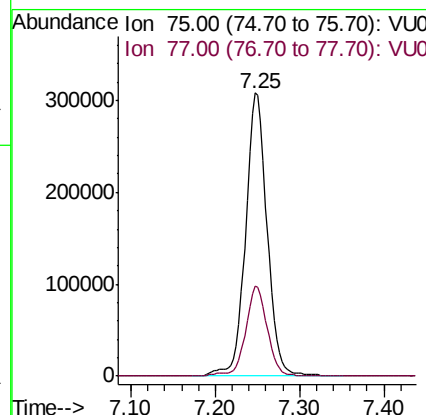
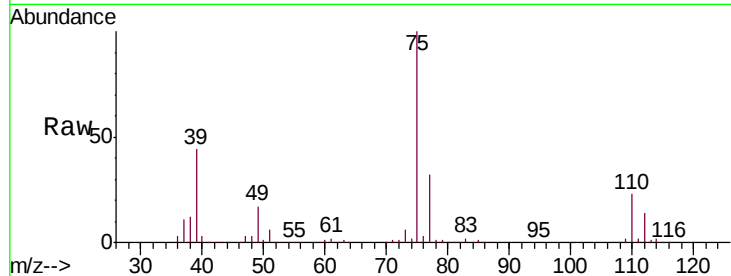




#39
 cis-1,3-Dichloropropene
 Concen: 108.999 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

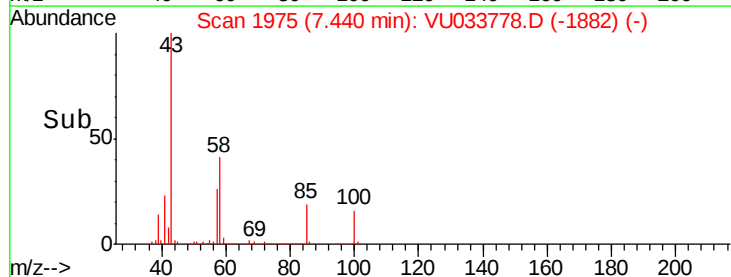
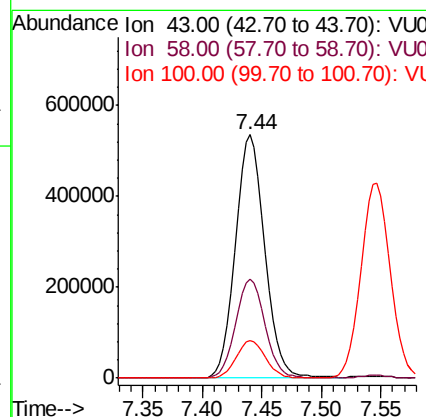
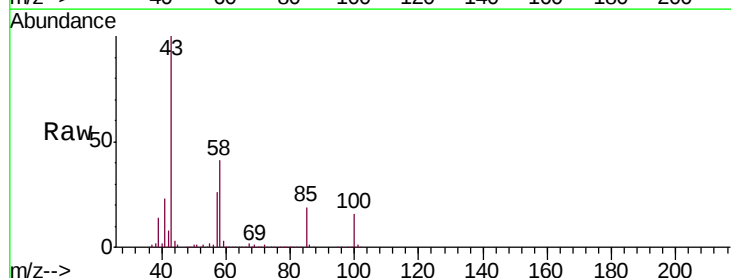
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

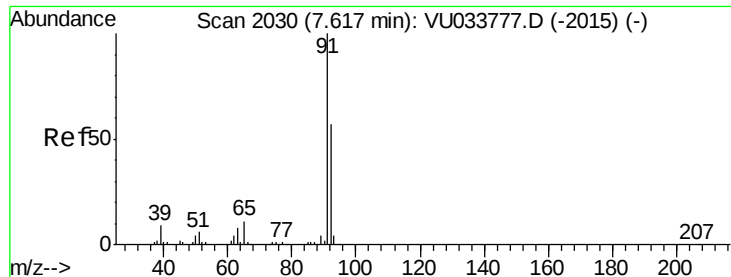
Tgt Ion: 75 Resp: 550770
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 206.258 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

Tgt Ion: 43 Resp: 914894
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.5 48.7
 100 15.5 12.2 18.2





#42

Toluene

Concen: 103.698 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

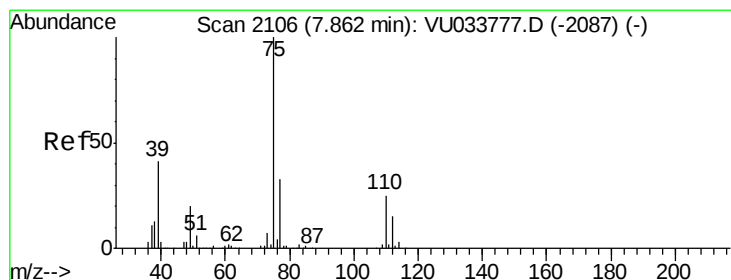
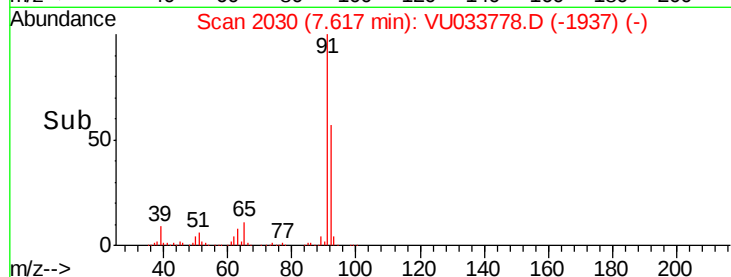
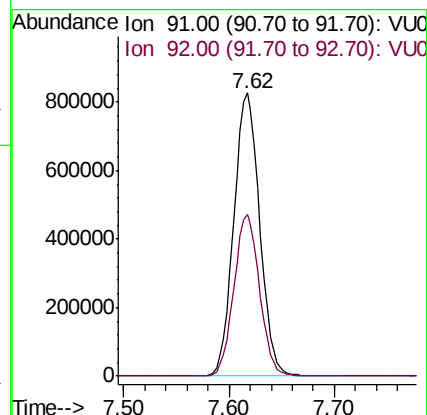
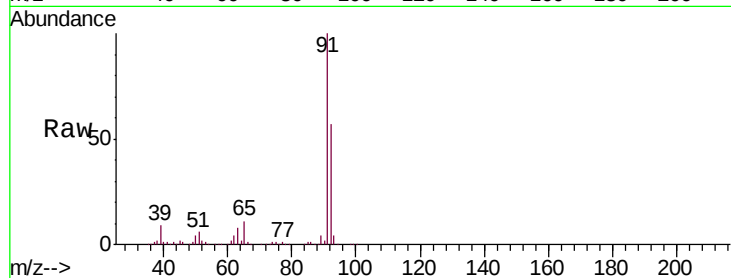
VSTD10036

Tgt Ion: 91 Resp: 1402639

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 106.968 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU033778.D

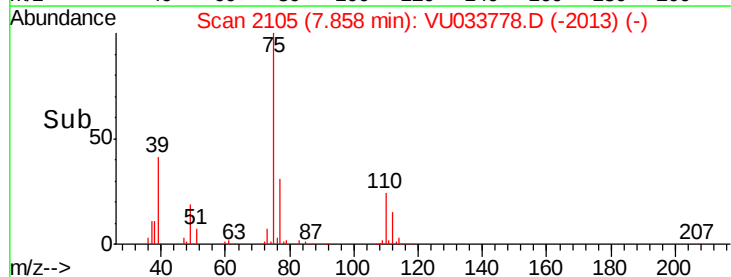
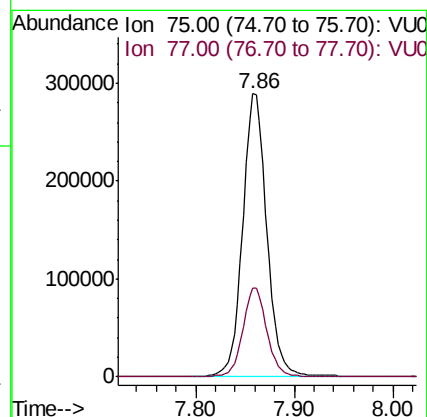
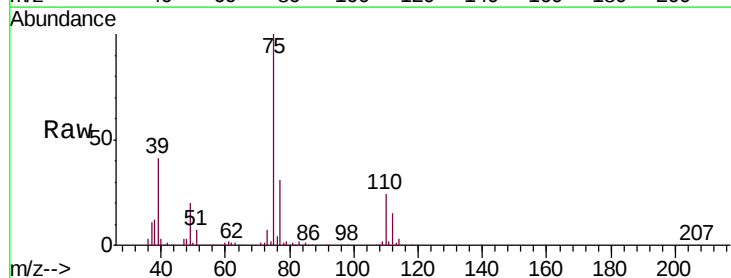
Acq: 13 Aug 2019 10:30

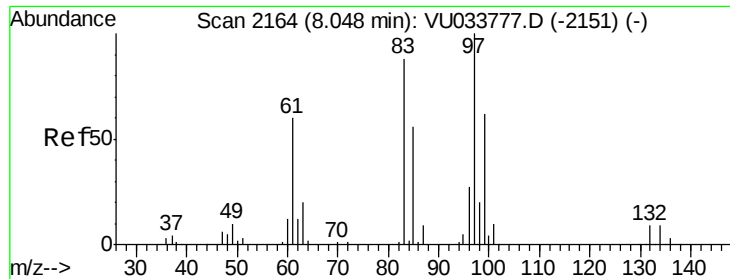
Tgt Ion: 75 Resp: 491267

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.3

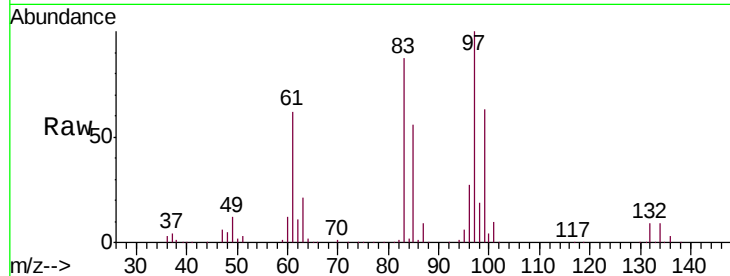




#45
 1,1,2-Trichloroethane
 Concen: 98.547 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

Tgt Ion:	97	Resp:	318399
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.5	80.9
83	87.2	61.8	114.8
85	56.3	39.1	72.7



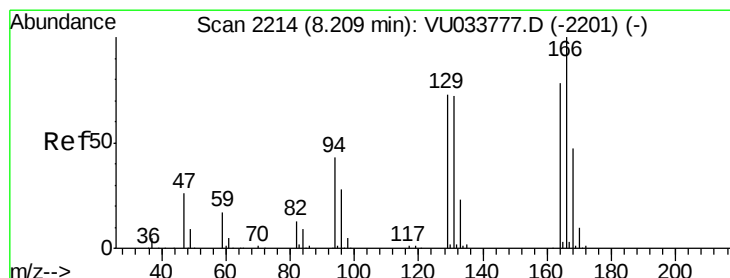
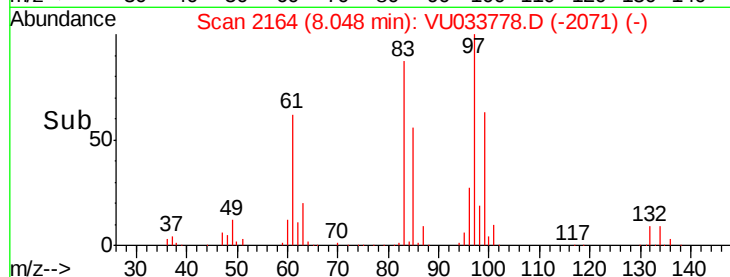
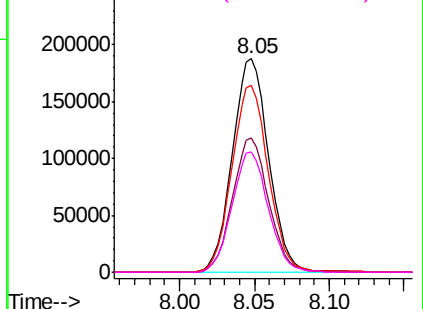
Abundance

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

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

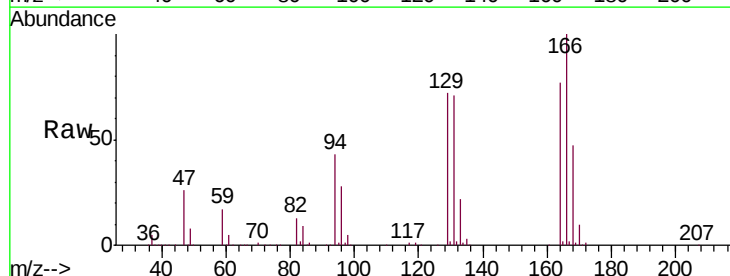
Ion 83.00 (82.70 to 83.70): VU033777.D (-2151) (-)

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



#46
 Tetrachloroethene
 Concen: 99.122 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

Tgt Ion:	164	Resp:	266083
Ion	Ratio	Lower	Upper
164	100		
129	93.7	65.5	121.6
131	91.4	64.0	119.0
166	129.6	89.4	166.0



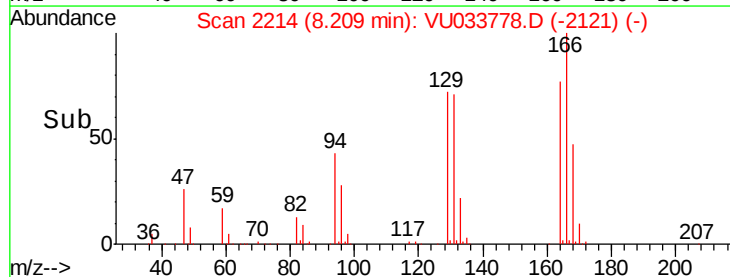
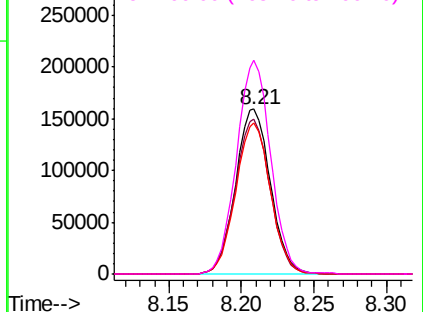
Abundance

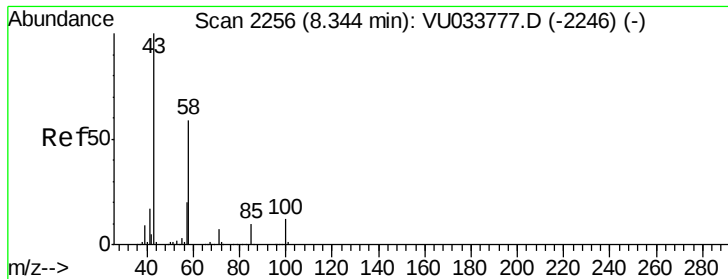
Ion 164.00 (163.70 to 164.70): VU033777.D (-2201) (-)

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) (-)

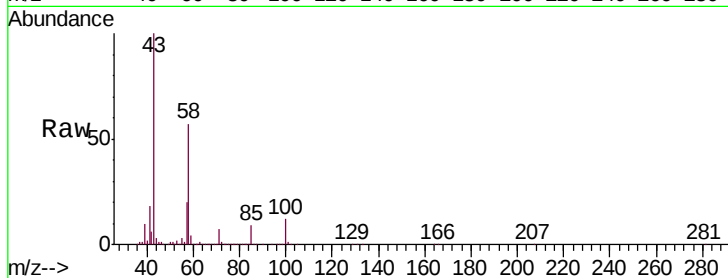




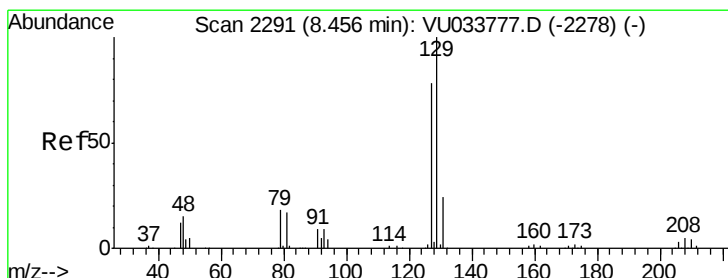
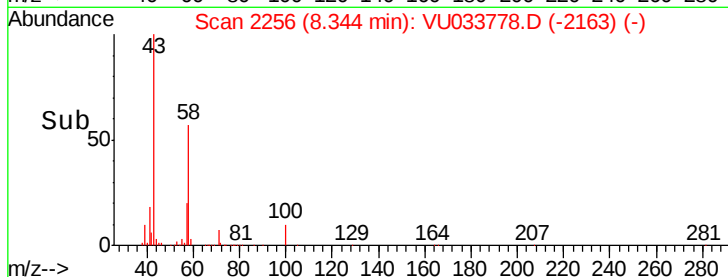
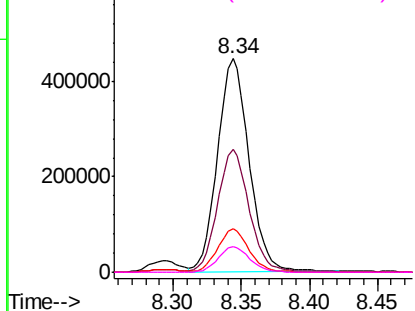
#48
2-Hexanone
Concen: 199.467 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033778.D
Acq: 13 Aug 2019 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

Tgt Ion:	43	Resp:	715984
Ion	Ratio	Lower	Upper
43	100		
58	57.1	45.4	68.0
57	20.1	15.4	23.0
100	12.1	9.4	14.2

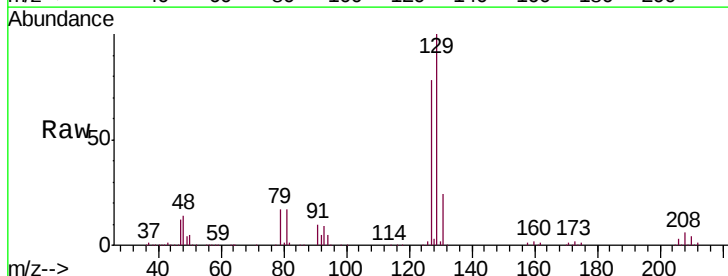


Abundance Ion 43.00 (42.70 to 43.70): VU033777.D (-2246) (-)
Ion 58.00 (57.70 to 58.70): VU033777.D (-2246) (-)
Ion 57.00 (56.70 to 57.70): VU033777.D (-2246) (-)
Ion 100.00 (99.70 to 100.70): VU033777.D (-2246) (-)

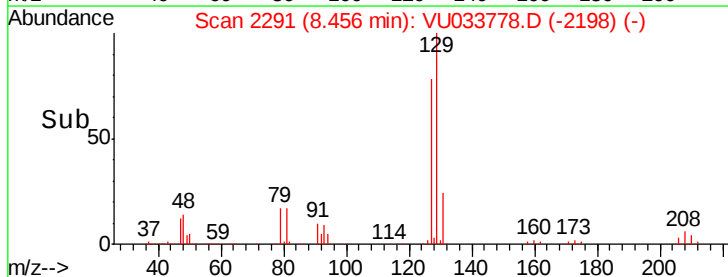
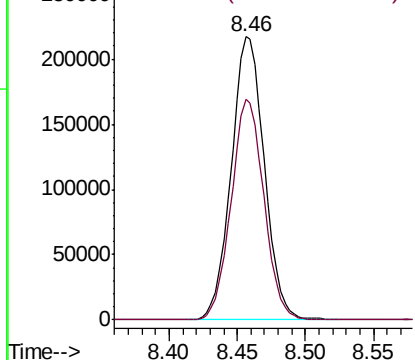


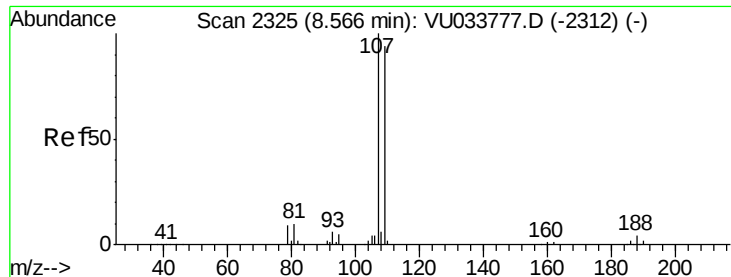
#49
Dibromochloromethane
Concen: 101.208 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033778.D
Acq: 13 Aug 2019 10:30

Tgt Ion:	129	Resp:	365894
Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.4	101.0



Abundance Ion 129.00 (128.70 to 129.70): VU033777.D (-2278) (-)
Ion 127.00 (126.70 to 127.70): VU033777.D (-2278) (-)

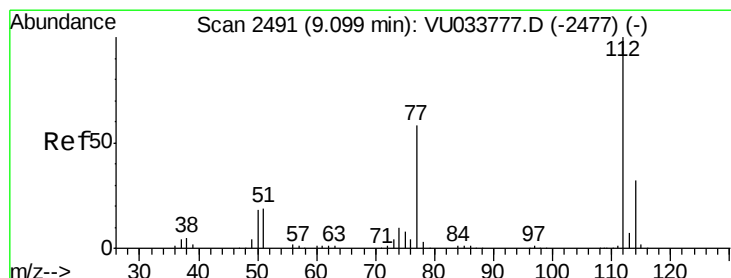
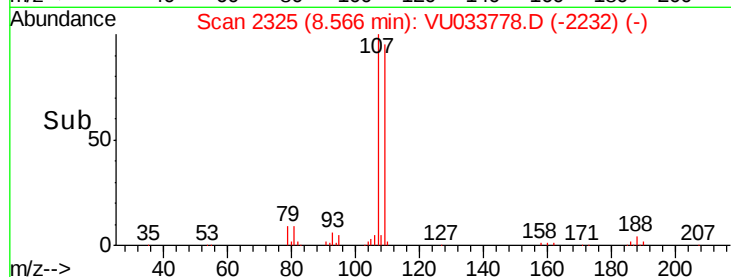
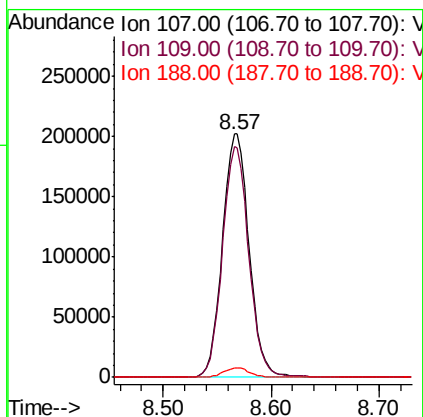
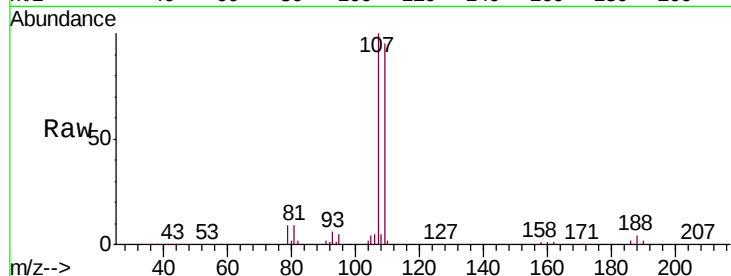




#50
1,2-Dibromoethane
Concen: 99.505 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU033778.D
Acq: 13 Aug 2019 10:30

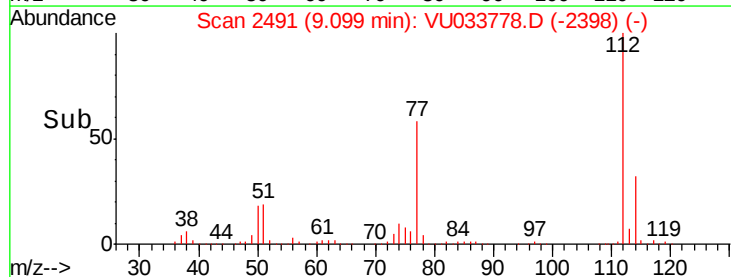
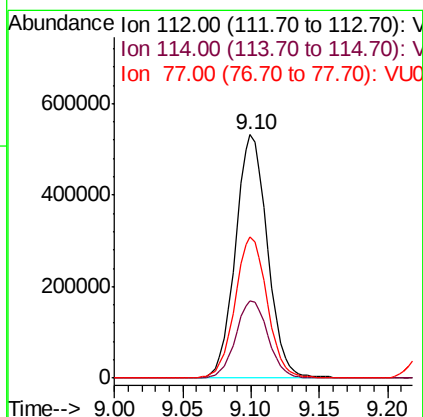
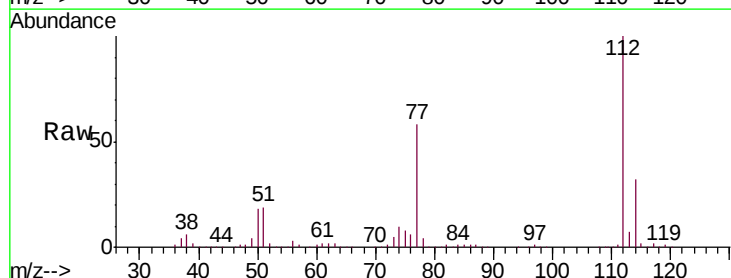
Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

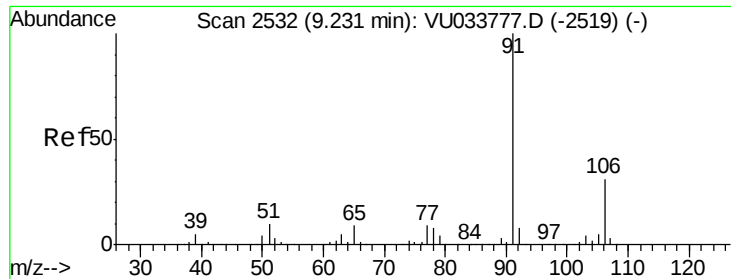
Tgt Ion:107 Resp: 347940
Ion Ratio Lower Upper
107 100
109 94.7 66.0 122.6
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 96.829 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033778.D
Acq: 13 Aug 2019 10:30

Tgt Ion:112 Resp: 866638
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 57.8 46.2 69.4





#52

Ethylbenzene

Concen: 103.448 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

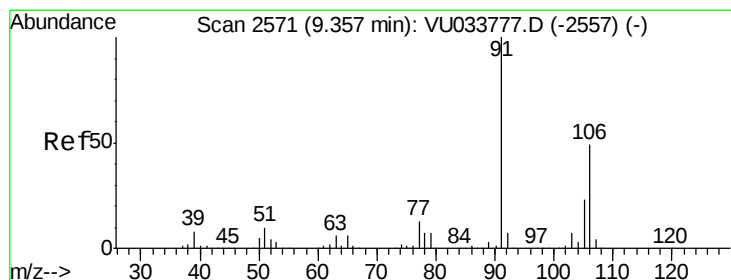
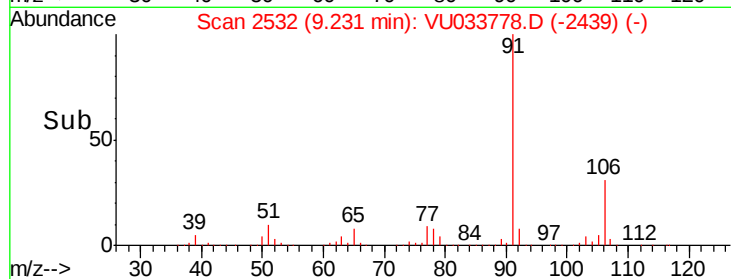
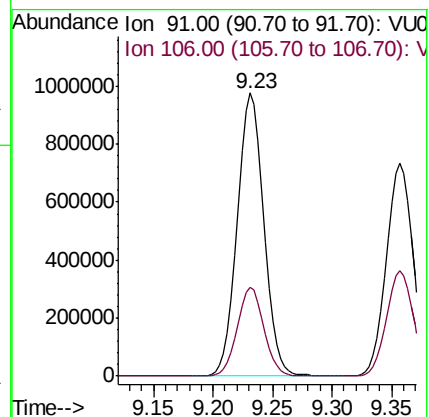
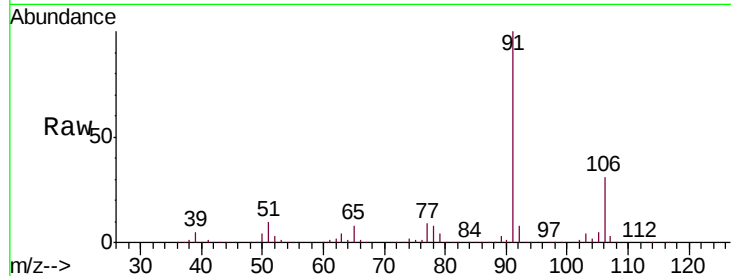
VSTD10036

Tgt Ion: 91 Resp: 1513046

Ion Ratio Lower Upper

91 100

106 31.4 22.0 41.0



#53

m,p-Xylene

Concen: 104.697 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033778.D

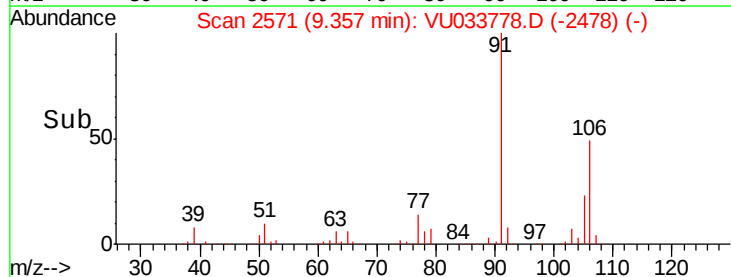
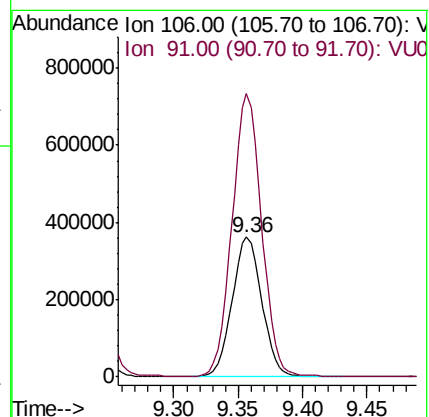
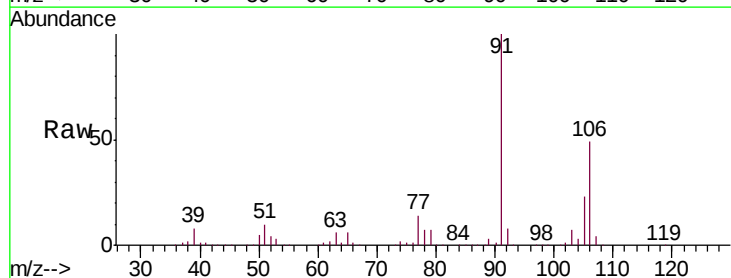
Acq: 13 Aug 2019 10:30

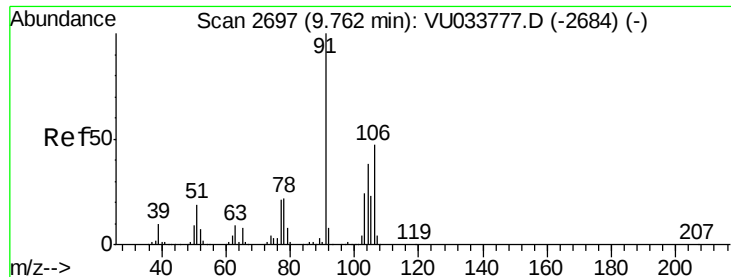
Tgt Ion: 106 Resp: 576227

Ion Ratio Lower Upper

106 100

91 202.6 142.1 263.9





#54

o-xylene

Concen: 104.697 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

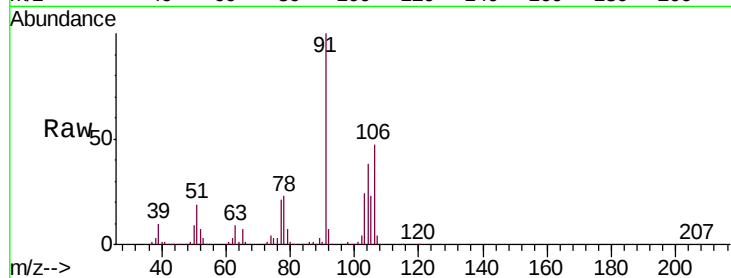
VSTD10036

Tgt Ion:106 Resp: 564754

Ion Ratio Lower Upper

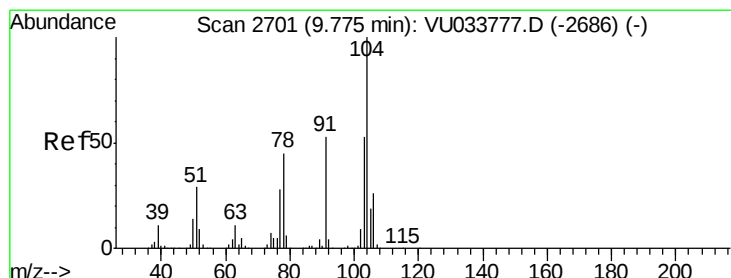
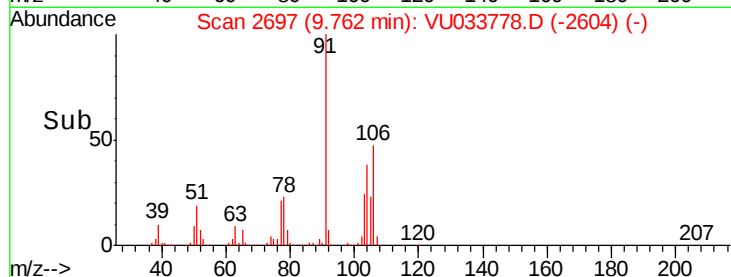
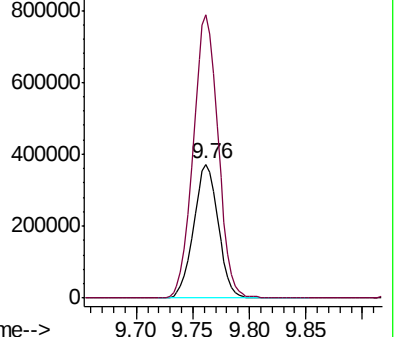
106 100

91 211.7 150.4 279.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 107.059 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033778.D

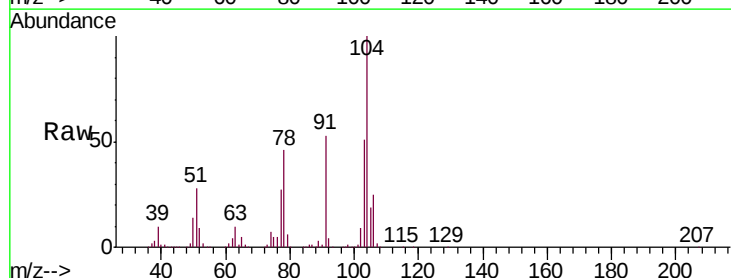
Acq: 13 Aug 2019 10:30

Tgt Ion:104 Resp: 981142

Ion Ratio Lower Upper

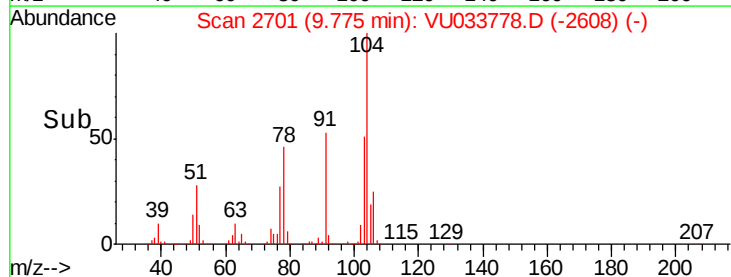
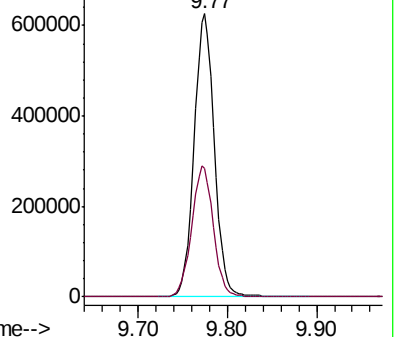
104 100

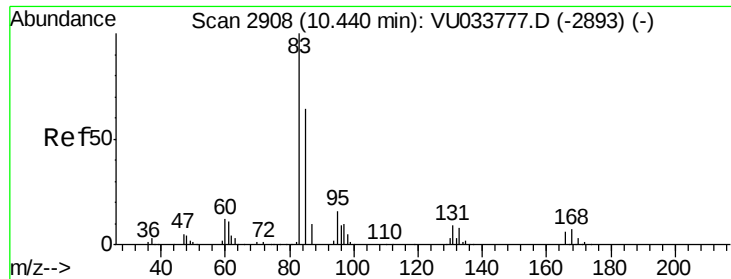
78 45.6 31.6 58.6



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: 94.378 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

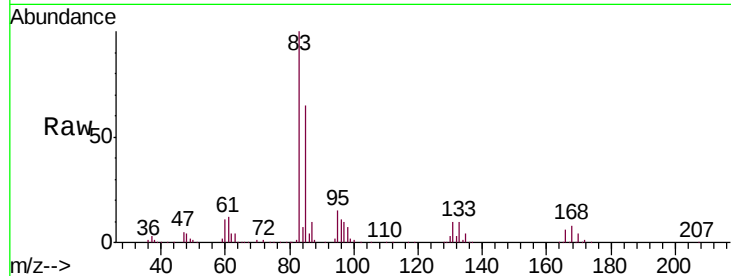
Tgt Ion: 83 Resp: 538168

Ion Ratio Lower Upper

83 100

85 64.9 44.7 83.1

131 9.7 7.8 11.6

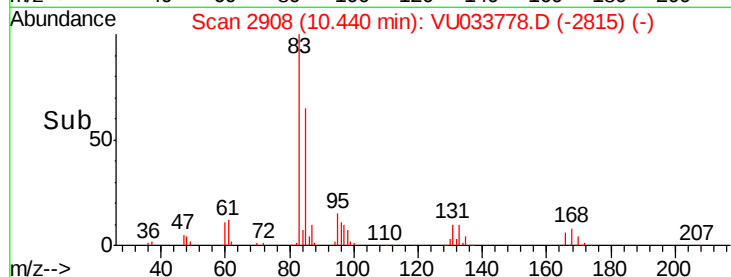


Abundance Ion 83.00 (82.70 to 83.70): VU033777.D (-2893) (-)

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

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

Time-->

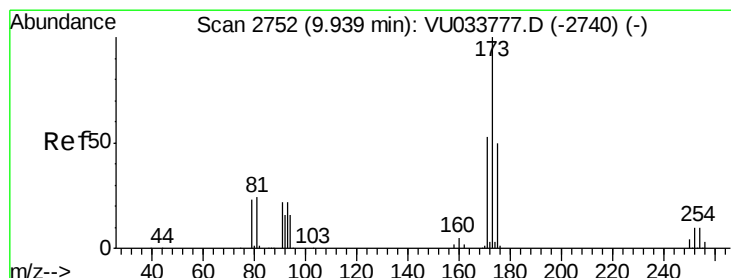


Abundance Ion 83.00 (82.70 to 83.70): VU033778.D (-2815) (-)

Ion 85.00 (84.70 to 85.70): VU033778.D (-2815) (-)

Ion 131.00 (130.70 to 131.70): VU033778.D (-2815) (-)

Time-->



#59

Bromoform

Concen: 98.381 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

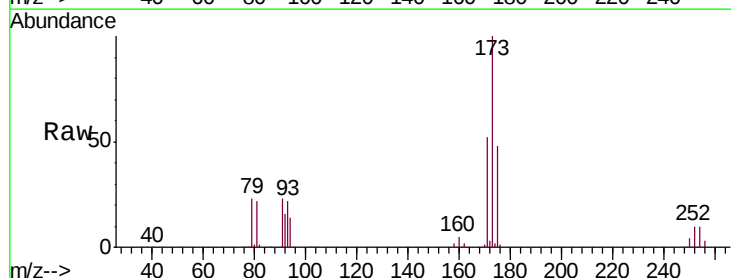
Tgt Ion: 173 Resp: 278876

Ion Ratio Lower Upper

173 100

175 48.6 38.9 58.3

254 9.8 7.4 11.0

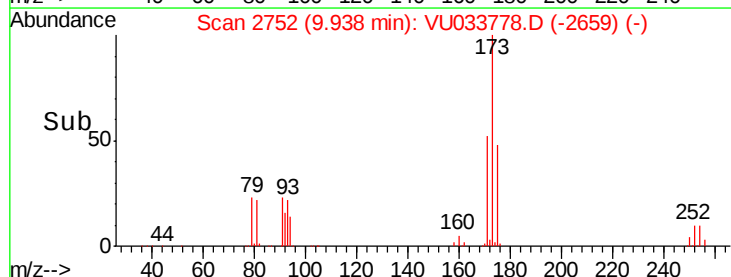


Abundance Ion 173.00 (172.70 to 173.70): VU033777.D (-2740) (-)

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

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

Time-->

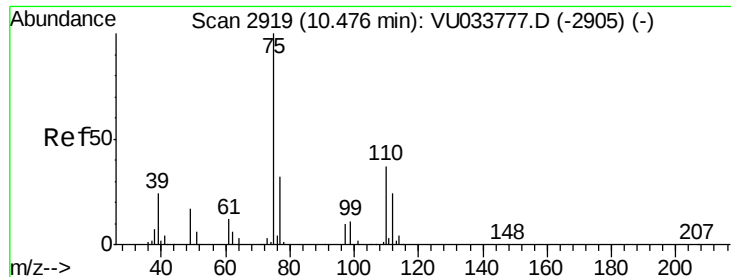


Abundance Ion 173.00 (172.70 to 173.70): VU033778.D (-2659) (-)

Ion 175.00 (174.70 to 175.70): VU033778.D (-2659) (-)

Ion 254.00 (253.70 to 254.70): VU033778.D (-2659) (-)

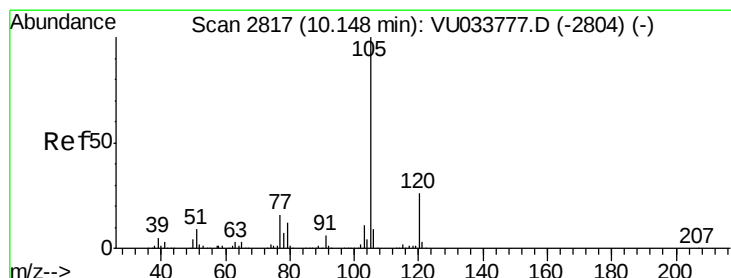
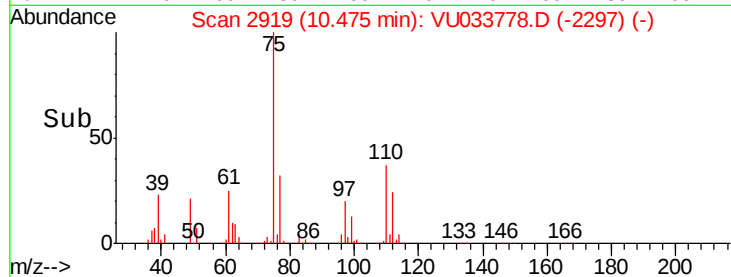
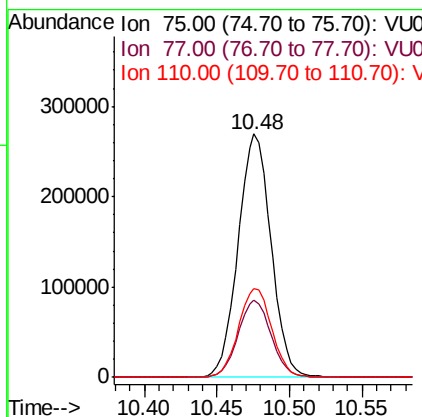
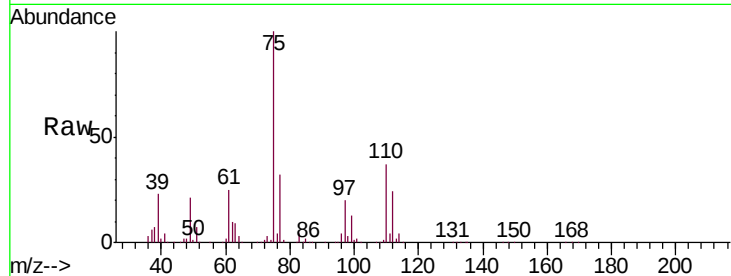
Time-->



#60
 1,2,3-Trichloropropane
 Concen: 92.572 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

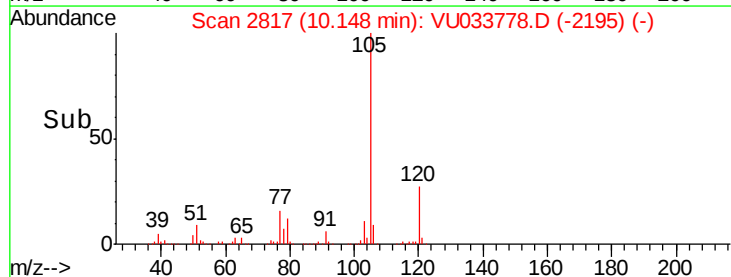
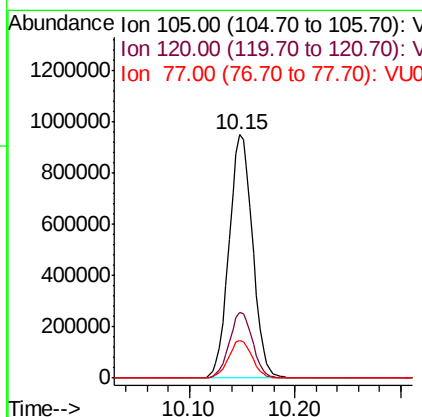
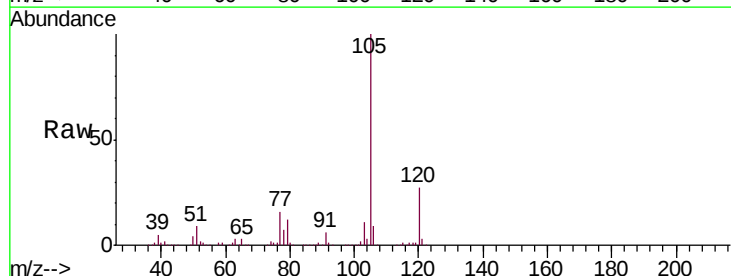
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

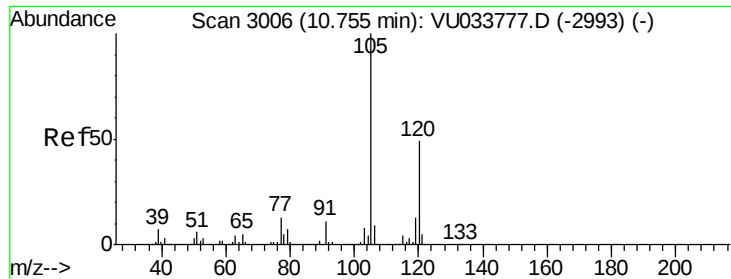
Tgt Ion: 75 Resp: 424886
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.6 38.4
 110 37.0 29.7 44.5



#61
 Isopropylbenzene
 Concen: 101.490 ug/L
 RT: 10.15 min Scan# 2817
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

Tgt Ion: 105 Resp: 1462336
 Ion Ratio Lower Upper
 105 100
 120 26.8 21.0 31.6
 77 15.7 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 106.773 ug/L

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033778.D

Acq: 13 Aug 2019 10:30

Instrument :

MSVOA_U

ClientSampleId :

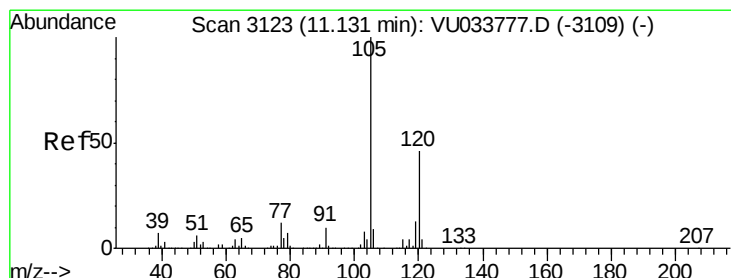
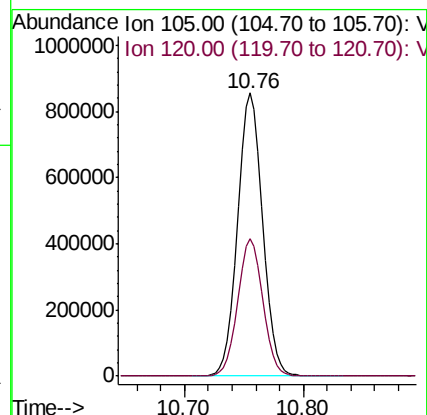
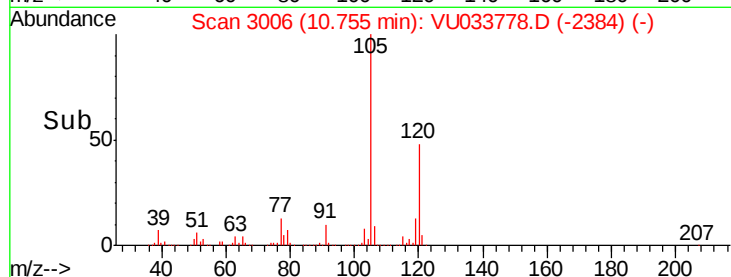
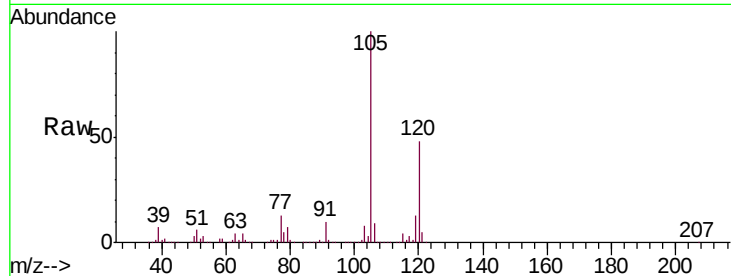
VSTD10036

Tgt Ion:105 Resp: 1242759

Ion Ratio Lower Upper

105 100

120 48.8 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 106.583 ug/L

RT: 11.13 min Scan# 3123

Delta R.T. -0.00 min

Lab File: VU033778.D

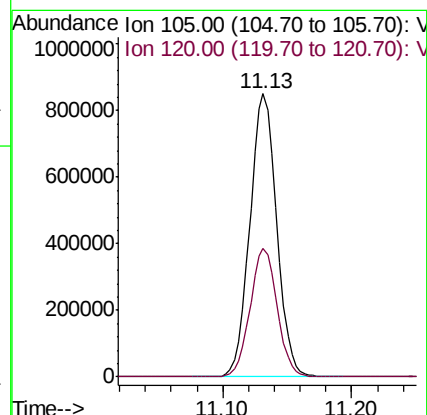
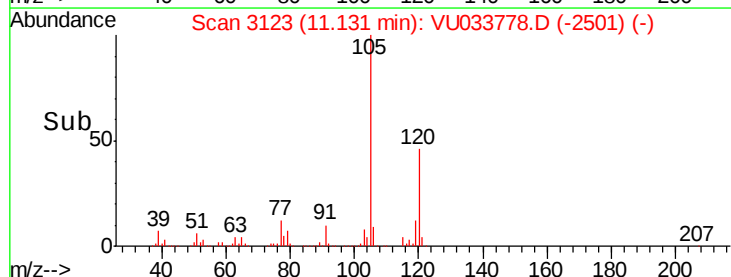
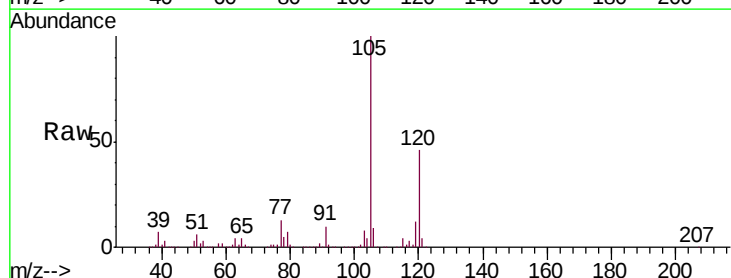
Acq: 13 Aug 2019 10:30

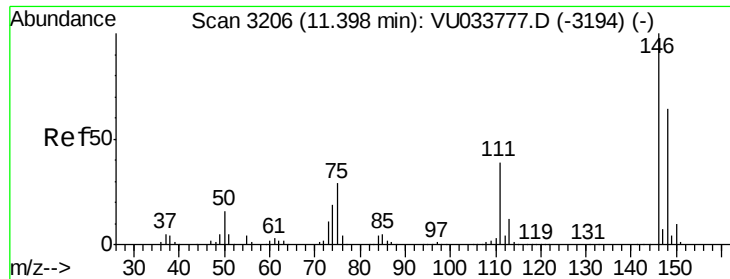
Tgt Ion:105 Resp: 1231205

Ion Ratio Lower Upper

105 100

120 45.8 36.6 55.0

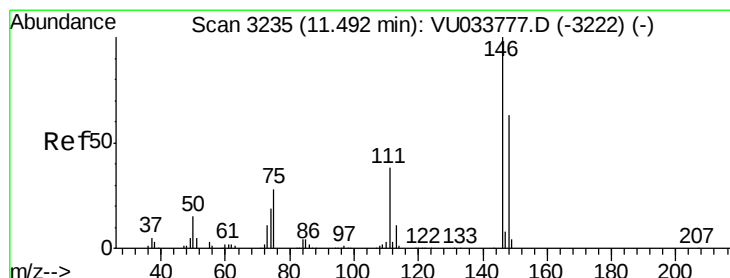
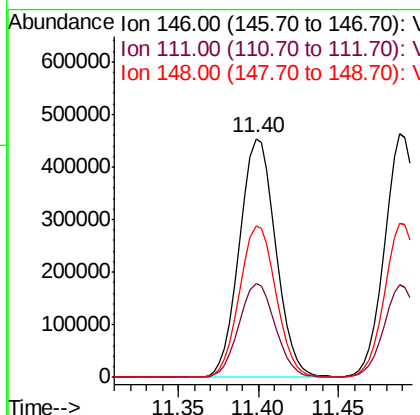
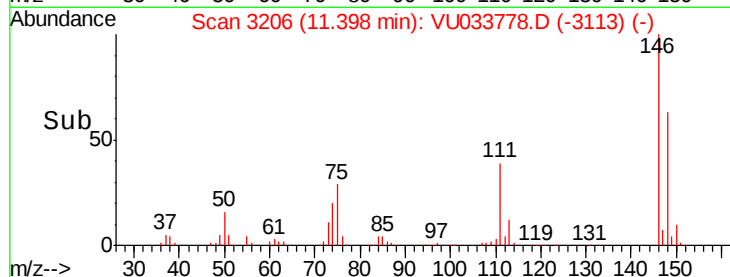
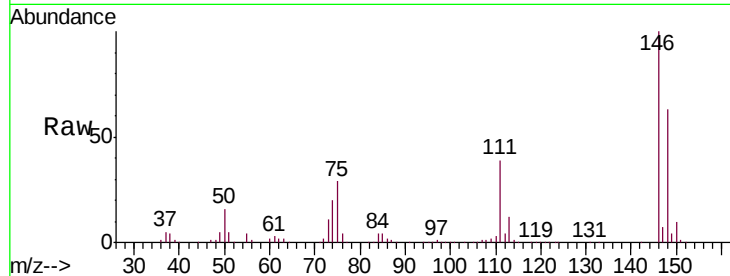




#64
 1,3-Dichlorobenzene
 Concen: 95.272 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

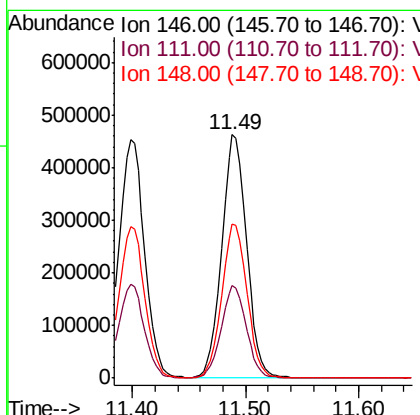
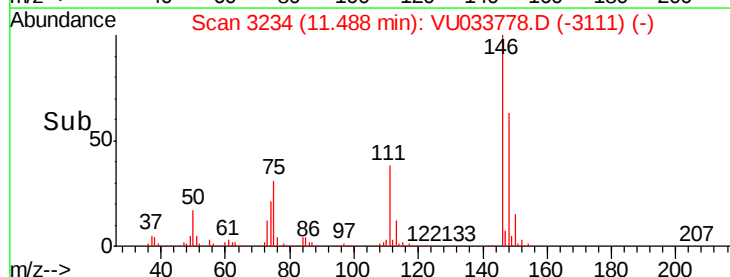
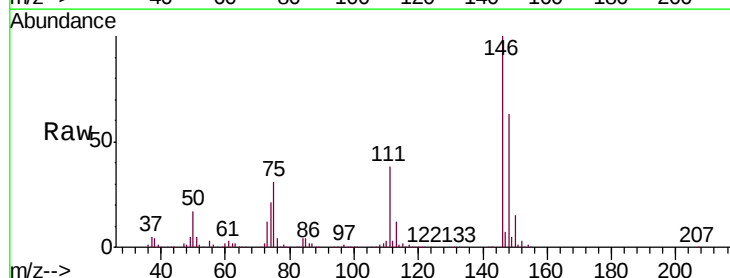
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

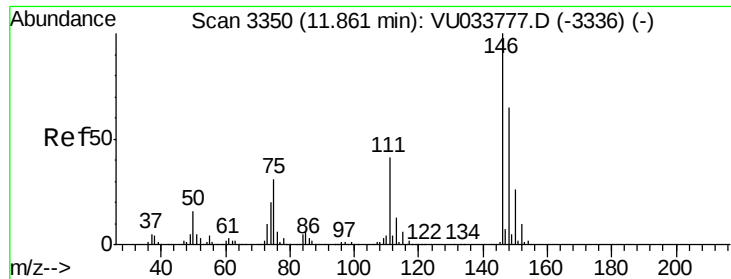
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.1	50.3
148	63.3	45.0	83.6



#65
 1,4-Dichlorobenzene
 Concen: 92.992 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	26.5	49.3
148	63.4	43.9	81.5

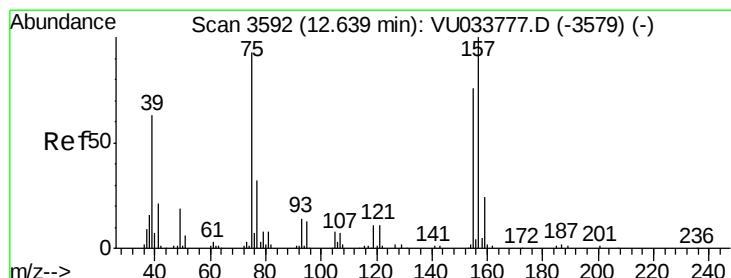
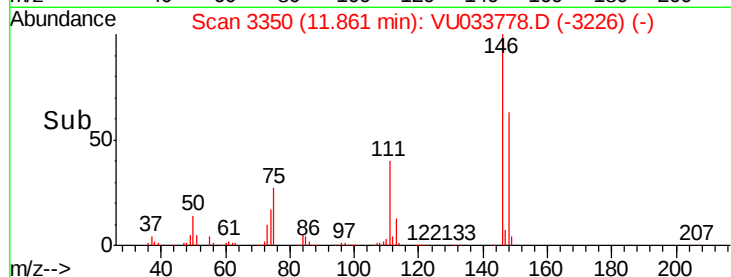
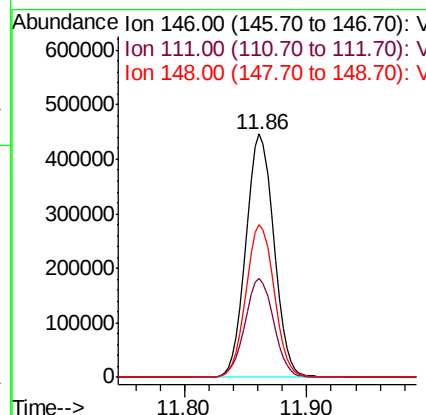
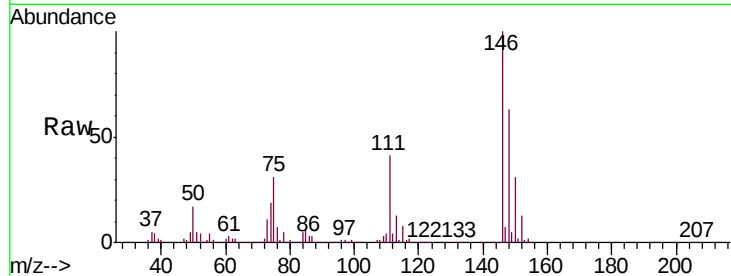




#67
 1,2-Dichlorobenzene
 Concen: 95.821 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

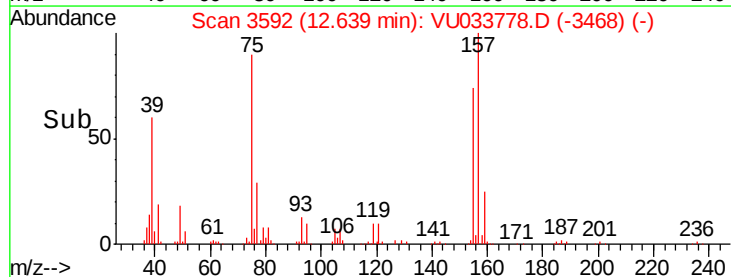
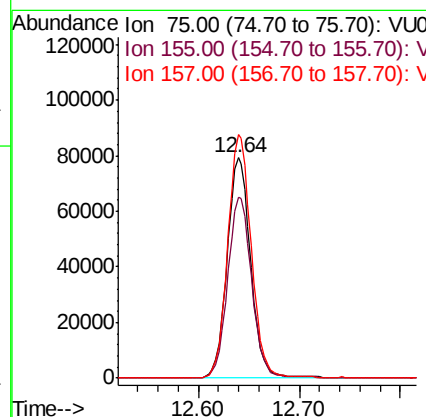
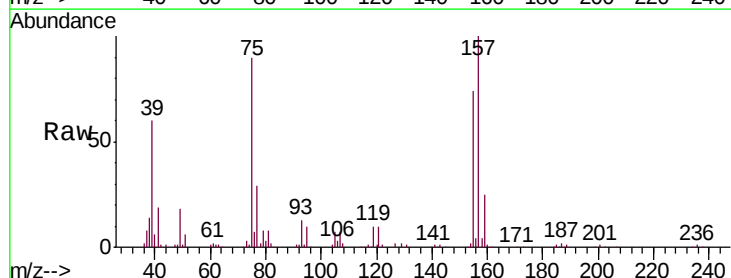
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

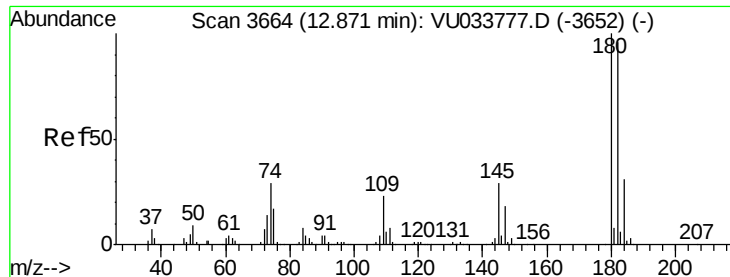
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	33.1	49.7
148	63.0	51.8	77.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 101.845 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	65.9	98.9
157	110.5	86.3	129.5

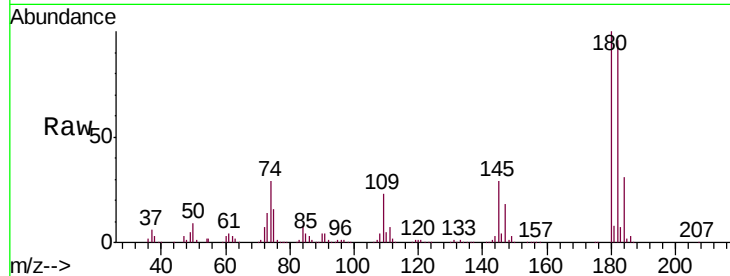




#69
 1,3,5-Trichlorobenzene
 Concen: 98.254 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

Tgt Ion:	180	Resp:	548457
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.2	115.8
184	30.9	24.5	36.7
145	28.8	23.4	35.0



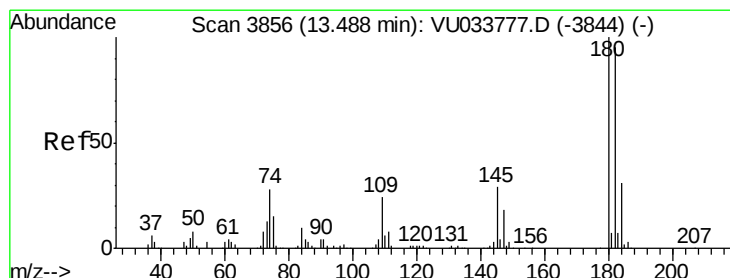
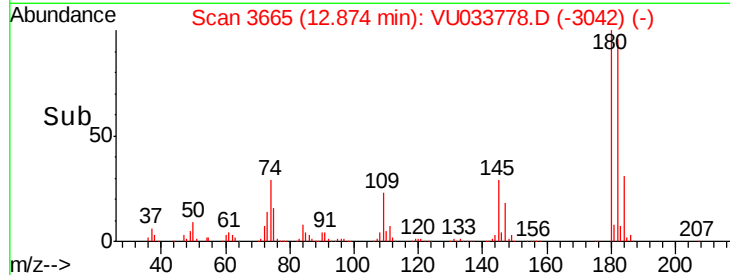
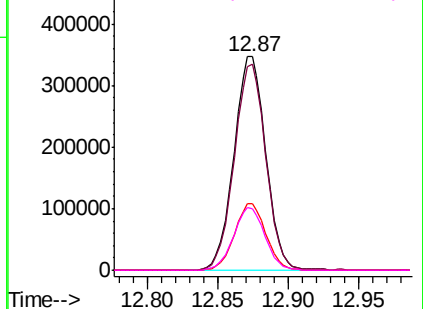
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

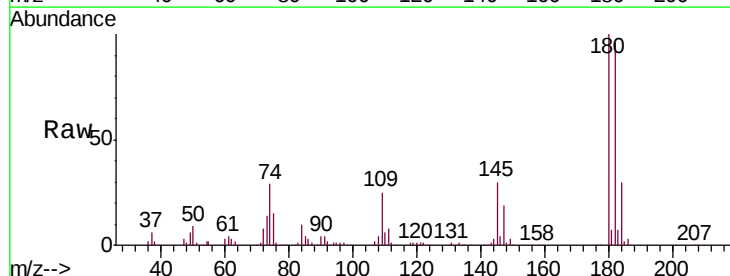
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 107.174 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033778.D
 Acq: 13 Aug 2019 10:30

Tgt Ion:	180	Resp:	501751
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.3	112.9
145	28.9	23.3	34.9

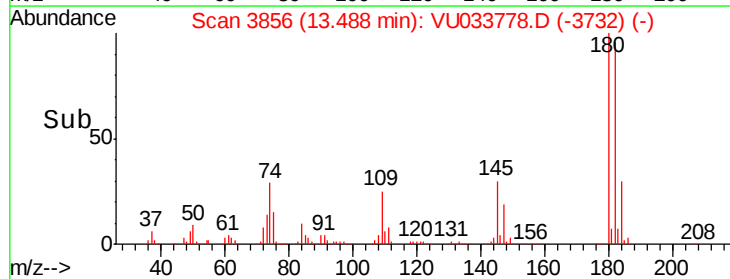
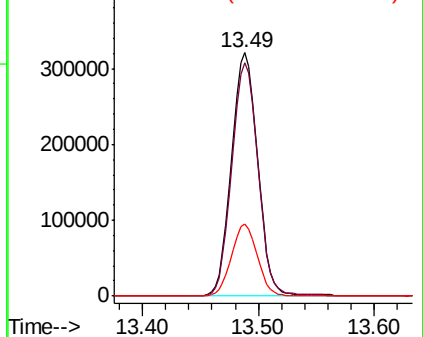


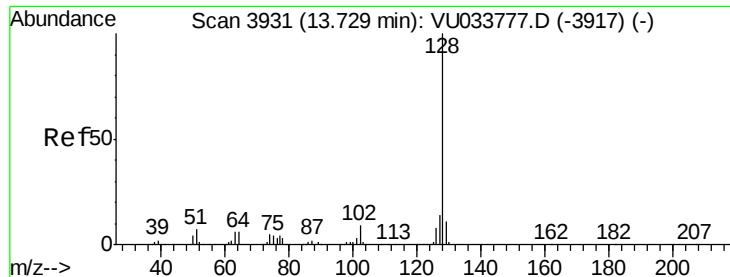
Abundance

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

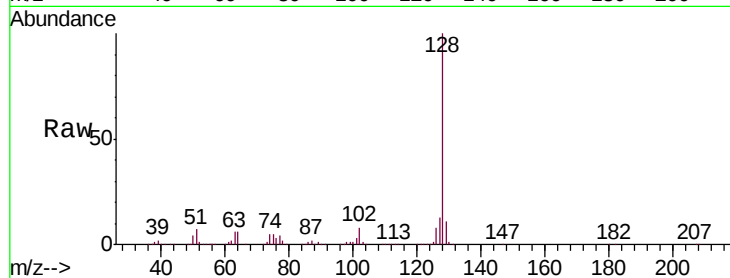




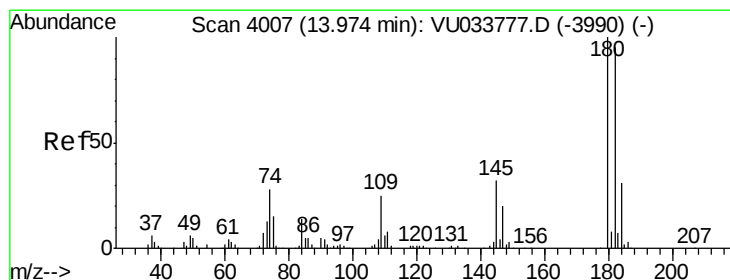
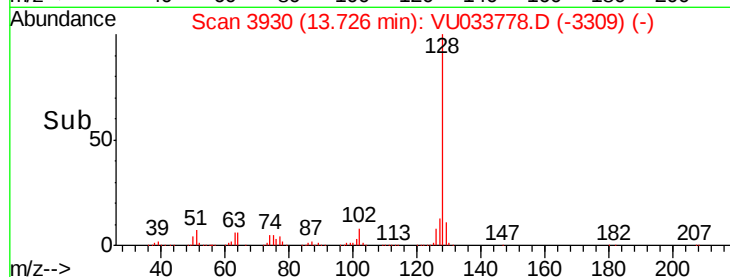
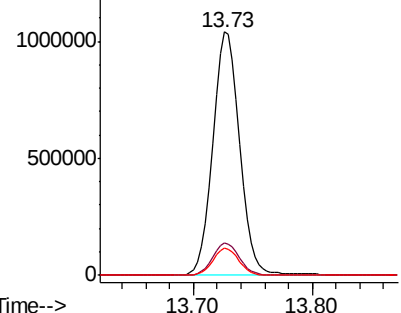
#71
Naphthalene
Concen: 119.667 ug/L
RT: 13.73 min Scan# 3930
Delta R.T. -0.00 min
Lab File: VU033778.D
Acq: 13 Aug 2019 10:30

Instrument :
MSVOA_U
ClientSampled :
VSTD10036

Tgt Ion:128 Resp: 1631148
Ion Ratio Lower Upper
128 100
127 13.3 11.0 16.4
129 10.9 8.5 12.7

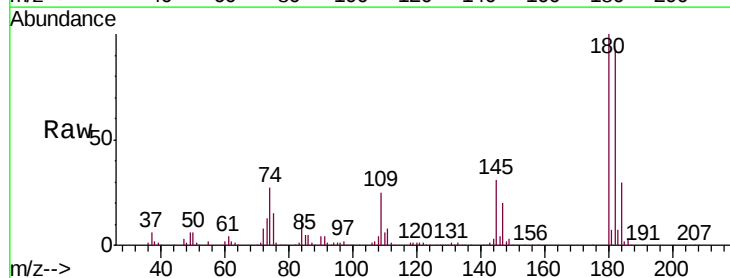


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 106.727 ug/L
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033778.D
Acq: 13 Aug 2019 10:30

Tgt Ion:180 Resp: 521683
Ion Ratio Lower Upper
180 100
182 94.4 77.1 115.7
145 31.2 24.6 36.8



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

