

Data File : VU033258.D
Acq On : 16 Jul 2019 10:27
Operator : JC/SP
Sample : VSTD01006
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Quant Time: Jul 17 04:02:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 17 03:58:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	140717	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	143460	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	76677	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	142363	15.05	ug/L	0.00
7) Chloroethane-d5	1.67	69	127708	15.27	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	279548	13.24	ug/L	0.00
20) 2-Butanone-d5	4.18	46	279327	95.04	ug/L	0.00
24) Chloroform-d	4.62	84	214550	10.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	109869	9.81	ug/L	0.00
32) Benzene-d6	5.32	84	423301	11.86	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	131882	11.17	ug/L	0.00
41) Toluene-d8	7.55	98	405878	11.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	56001	11.19	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	240244	116.28	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	109474	10.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	148311	10.57	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	121870	8.705 ug/L	99
3) Chloromethane	1.32	50	142261	10.038 ug/L	100
5) Vinyl chloride	1.39	62	158215	11.134 ug/L	100
6) Bromomethane	1.62	94	96839	11.806 ug/L	96
8) Chloroethane	1.69	64	108491	12.537 ug/L	100
9) Trichlorofluoromethane	1.87	101	229036	11.326 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	123914	11.666 ug/L	99
12) 1,1-Dichloroethene	2.27	96	119350	12.274 ug/L	94
13) Acetone	2.33	43	227519	94.214 ug/L	99
14) Carbon disulfide	2.46	76	381258	11.876 ug/L	99
15) Methyl Acetate	2.61	43	58672	10.087 ug/L	97
16) Methylene chloride	2.68	84	133195	11.595 ug/L	95
17) Methyl tert-butyl Ether	2.98	73	316358	11.373 ug/L	100
18) trans-1,2-Dichloroethene	2.96	96	129107	12.016 ug/L	99
19) 1,1-Dichloroethane	3.42	63	195129	9.608 ug/L	99
21) 2-Butanone	4.26	43	283488	84.813 ug/L	97
22) cis-1,2-Dichloroethene	4.20	96	112428	10.070 ug/L	92
23) Bromochloromethane	4.52	128	49640	9.608 ug/L	96
25) Chloroform	4.65	83	202840	9.041 ug/L	99
27) 1,2-Dichloroethane	5.38	62	130167	9.031 ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	173891	9.567 ug/L	100
30) Cyclohexane	4.97	56	161213	9.771 ug/L	99
31) Carbon tetrachloride	5.11	117	153925	9.470 ug/L	98
33) Benzene	5.36	78	435164	10.334 ug/L	100
34) Trichloroethene	6.16	95	113776	10.009 ug/L	98
35) Methylcyclohexane	6.39	83	179039	10.545 ug/L	99
37) 1,2-Dichloropropane	6.41	63	116250	10.087 ug/L	100
38) Bromodichloromethane	6.74	83	145199	9.686 ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	169058	10.401 ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	696540	89.858 ug/L	100

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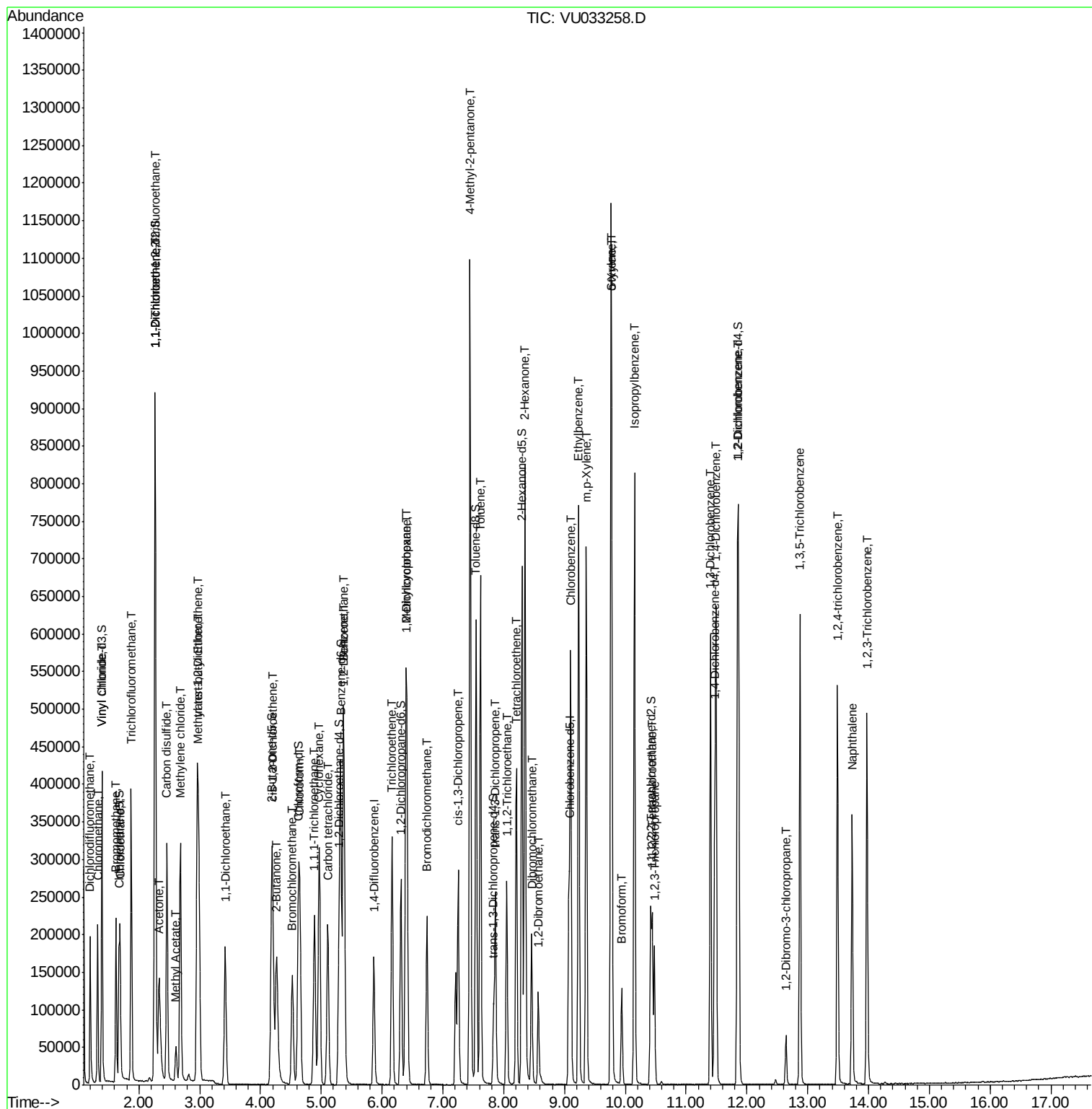
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	486133	10.729	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	140962	10.406	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	81194	10.027	ug/L	95
47) Tetrachloroethene	8.21	164	90581	9.674	ug/L	96
48) 2-Hexanone	8.35	43	509927	90.202	ug/L	99
49) Dibromochloromethane	8.46	129	101271	9.971	ug/L	98
50) 1,2-Dibromoethane	8.57	107	79285	10.203	ug/L	99
51) Chlorobenzene	9.10	112	303211	10.141	ug/L	99
52) Ethylbenzene	9.23	91	521449	10.524	ug/L	100
53) m,p-Xylene	9.36	106	199733	10.957	ug/L	95
54) o-Xylene	9.76	106	193920	10.936	ug/L	97
55) Styrene	9.77	104	340770	11.334	ug/L	99
56) Isopropylbenzene	10.15	105	513569	10.849	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	106434	10.247	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	74752	9.534	ug/L	100
61) Bromoform	9.94	173	55866	9.701	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	235427	9.836	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	244214	9.772	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	235286	10.043	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	16810	10.212	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	189642	10.141	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	159964	11.738	ug/L	98
69) Naphthalene	13.73	128	281961	13.526	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	148682	11.430	ug/L	100

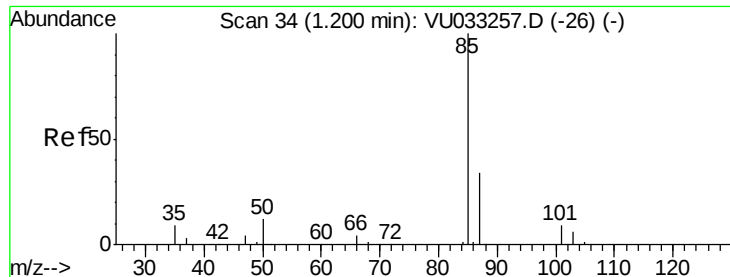
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.705 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

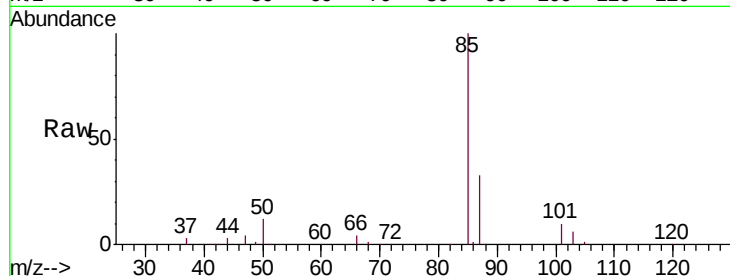
VSTD01006

Tgt Ion: 85 Resp: 121870

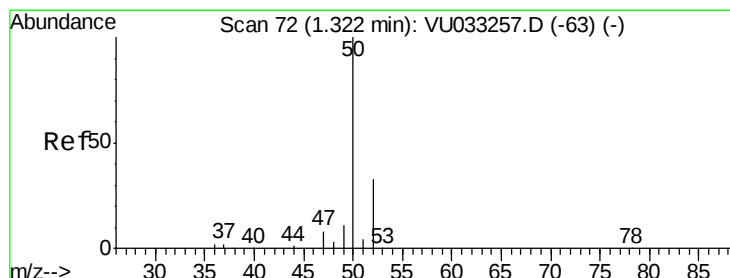
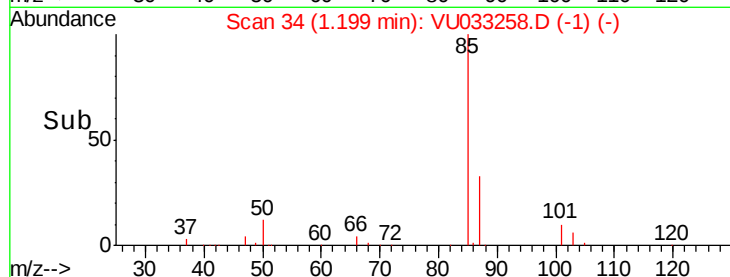
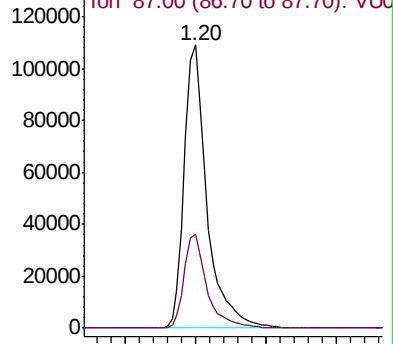
Ion Ratio Lower Upper

85 100

87 33.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU033258.D (-1) (-)



#3

Chloromethane

Concen: 10.038 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033258.D

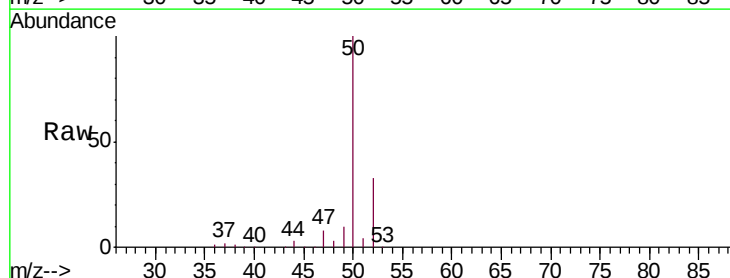
Acq: 16 Jul 2019 10:27

Tgt Ion: 50 Resp: 142261

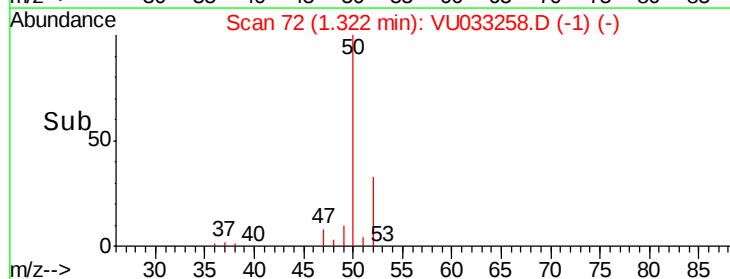
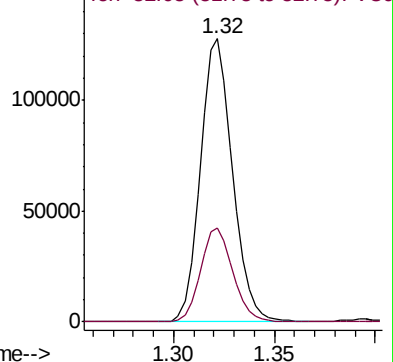
Ion Ratio Lower Upper

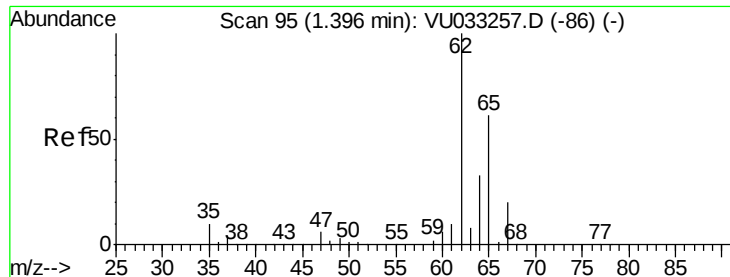
50 100

52 33.4 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU033258.D (-1) (-)





#5

Vinyl chloride

Concen: 11.134 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

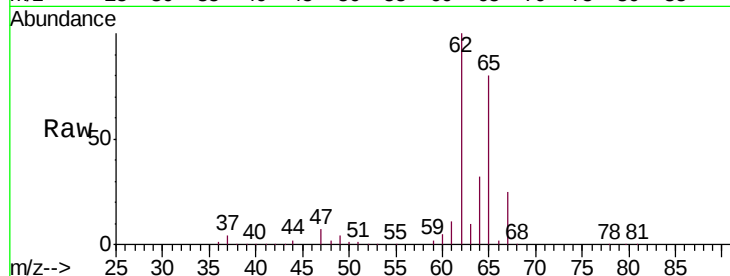
VSTD01006

Tgt Ion: 62 Resp: 158215

Ion Ratio Lower Upper

62 100

64 32.3 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU033257.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU033258.D (-2) (-)

1.39

150000

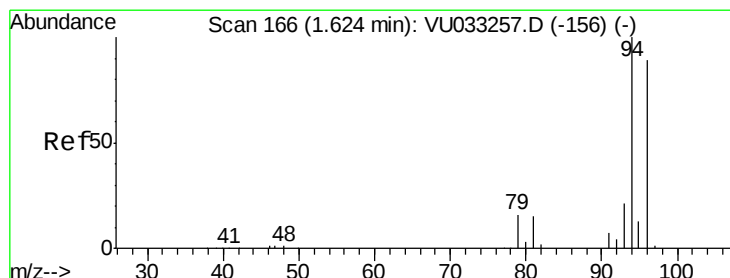
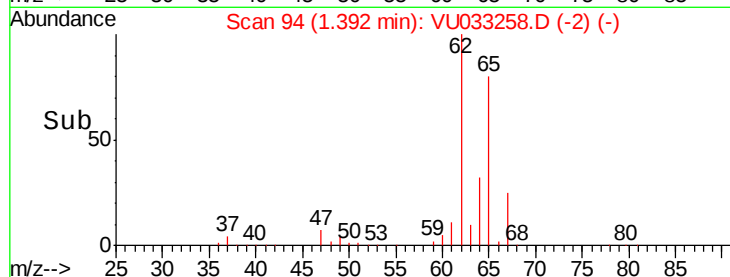
100000

50000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 11.806 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033258.D

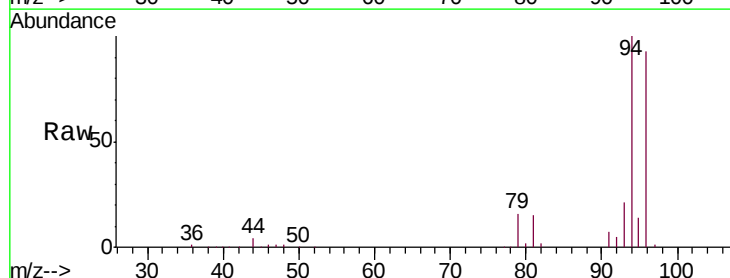
Acq: 16 Jul 2019 10:27

Tgt Ion: 94 Resp: 96839

Ion Ratio Lower Upper

94 100

96 93.3 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU033257.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033258.D (-73) (-)

1.62

80000

60000

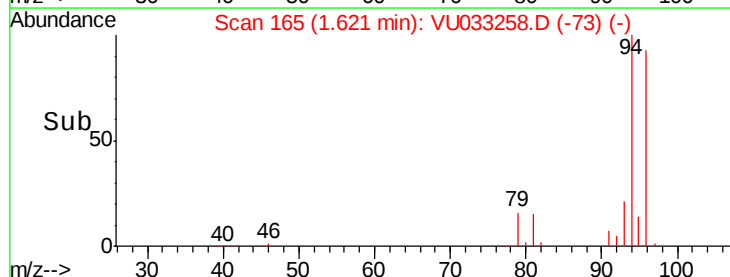
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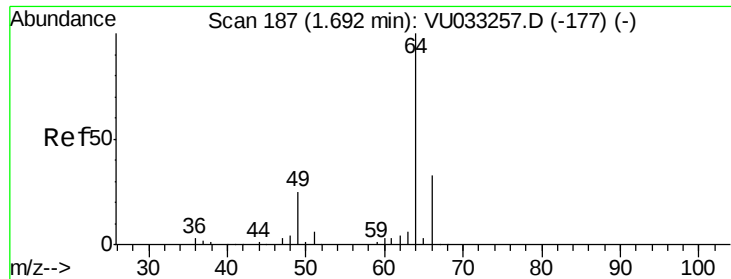
20000

0

1.55 1.60 1.65

Time-->





#8

Chloroethane

Concen: 12.537 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

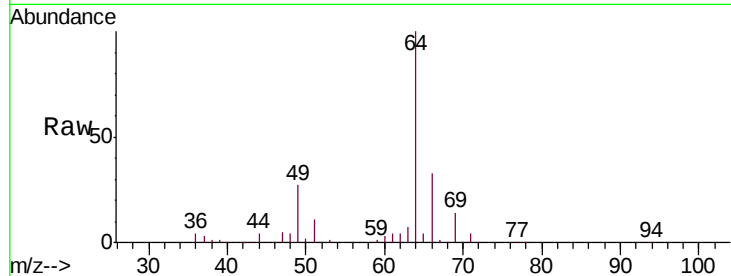
VSTD01006

Tgt Ion: 64 Resp: 108491

Ion Ratio Lower Upper

64 100

66 33.3 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU033257.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU033257.D (-177) (-)

1.69

80000

60000

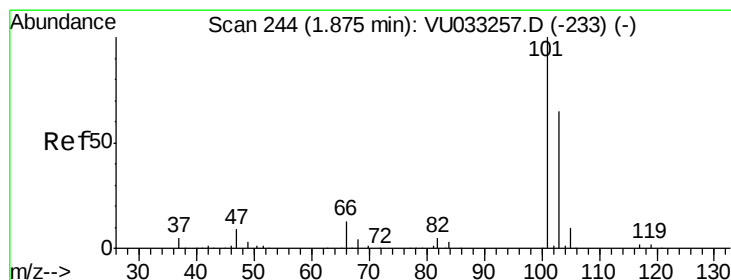
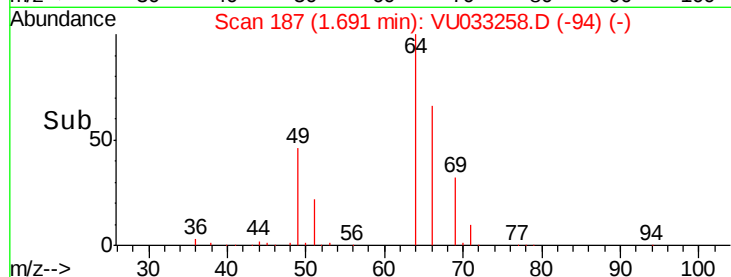
40000

20000

0

Time-->

1.60 1.65 1.70 1.75 1.80



#9

Trichlorofluoromethane

Concen: 11.326 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033258.D

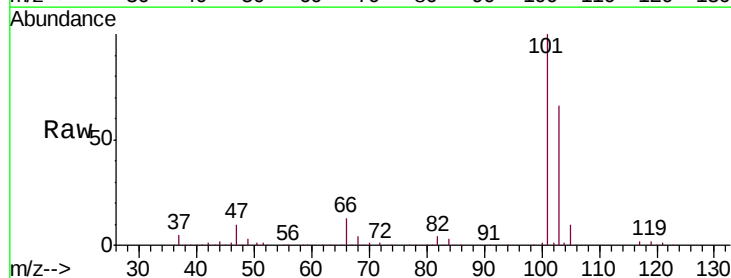
Acq: 16 Jul 2019 10:27

Tgt Ion: 101 Resp: 229036

Ion Ratio Lower Upper

101 100

103 65.4 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033257.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033257.D (-233) (-)

1.87

150000

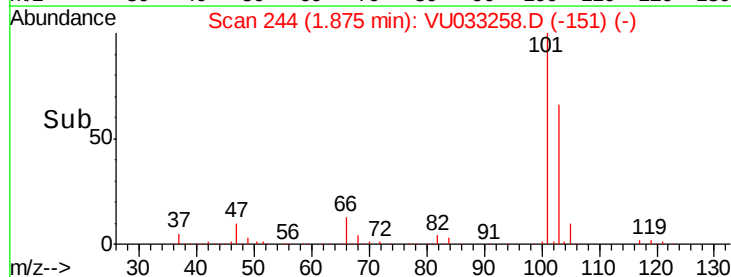
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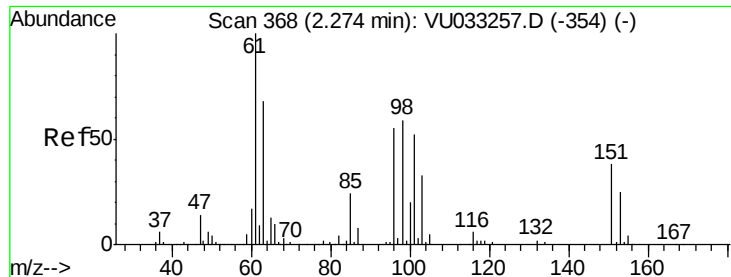
50000

0

Time-->

1.80 1.90 2.00





#10

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

Concen: 11.666 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

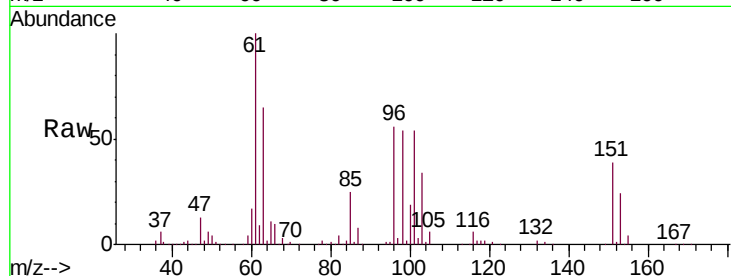
Tgt Ion: 101 Resp: 123914

Ion Ratio Lower Upper

101 100

85 45.9 37.4 56.0

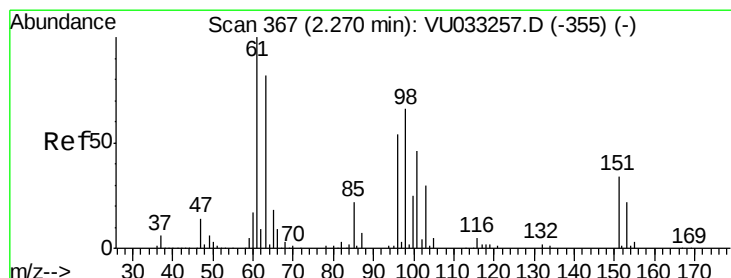
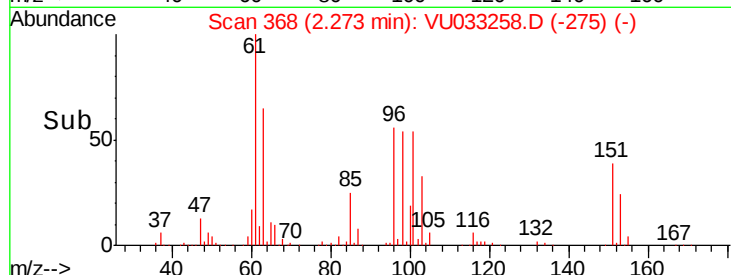
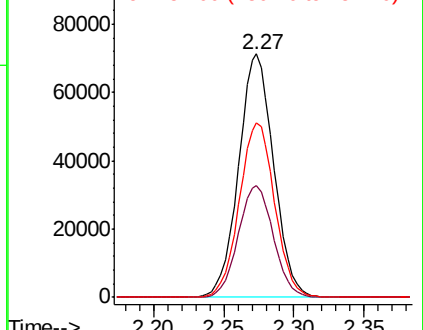
151 72.4 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 12.274 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

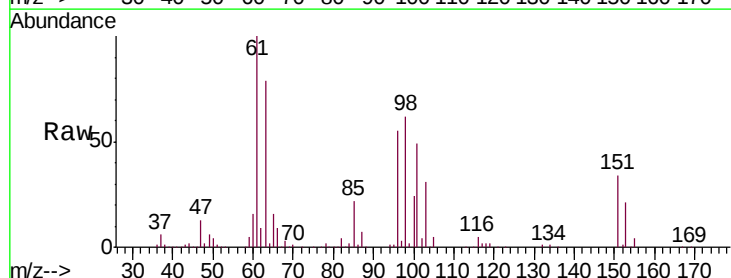
Tgt Ion: 96 Resp: 119350

Ion Ratio Lower Upper

96 100

61 181.0 129.3 240.1

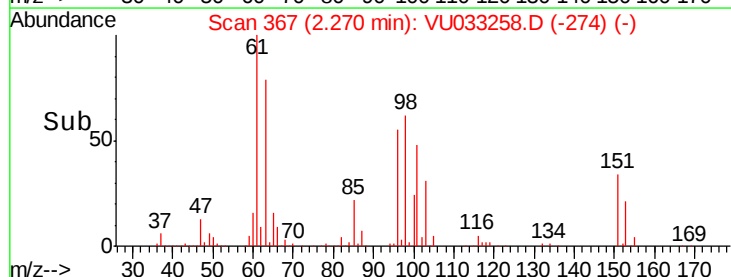
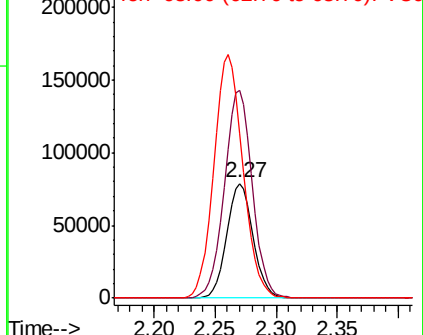
63 143.5 108.9 202.3

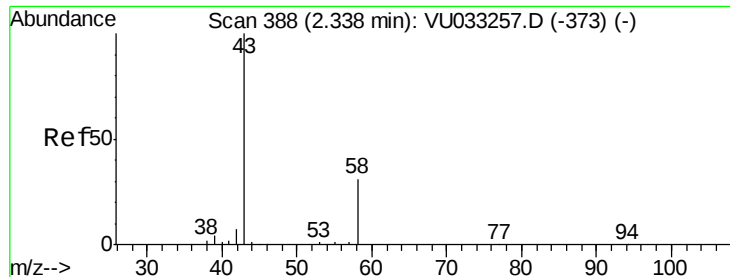


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 94.214 ug/L

RT: 2.33 min Scan# 386

Delta R.T. -0.01 min

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ClientSampleId :

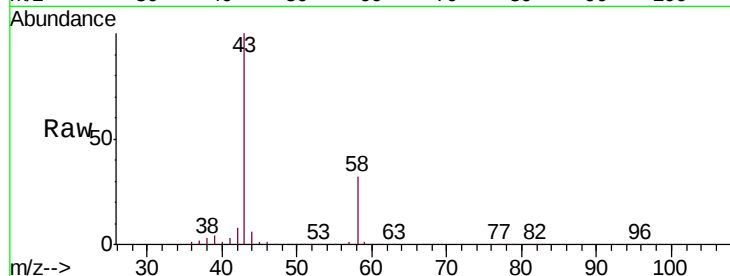
VSTD01006

Tgt Ion: 43 Resp: 227519

Ion Ratio Lower Upper

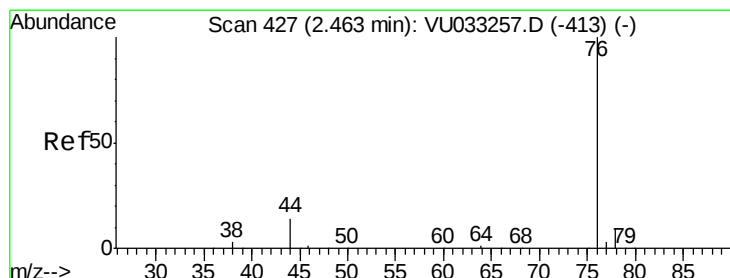
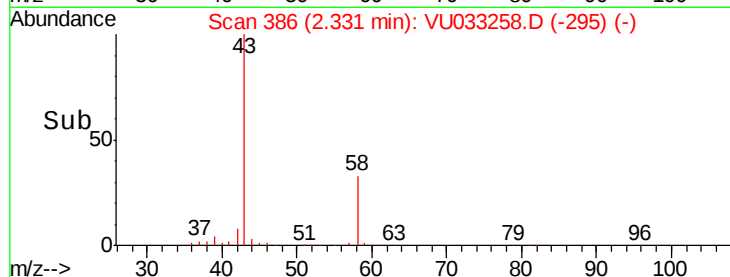
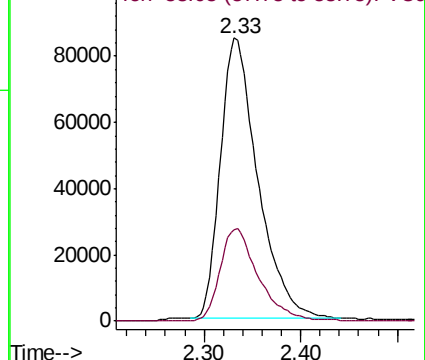
43 100

58 34.0 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 11.876 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033258.D

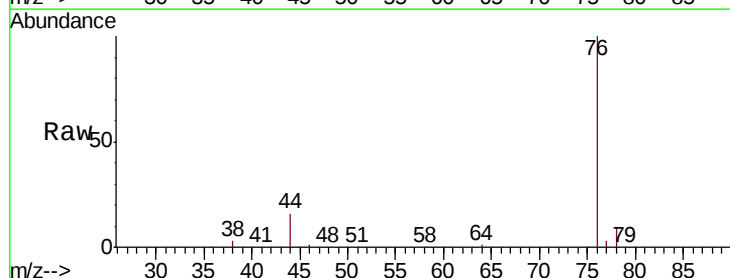
Acq: 16 Jul 2019 10:27

Tgt Ion: 76 Resp: 381258

Ion Ratio Lower Upper

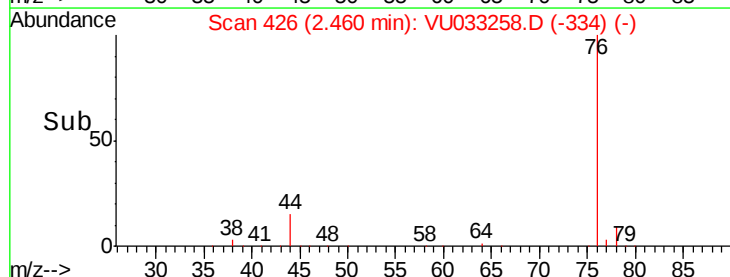
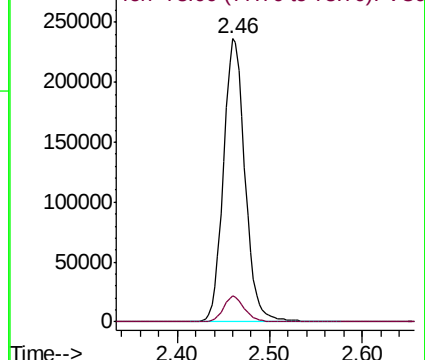
76 100

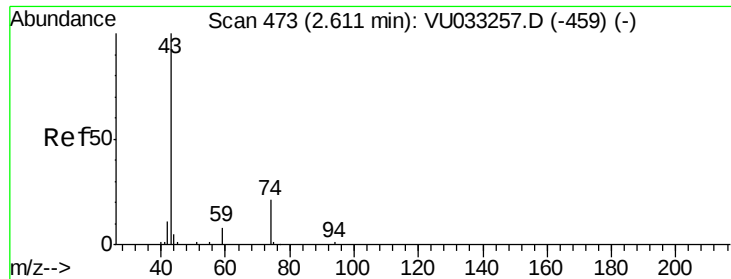
78 9.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

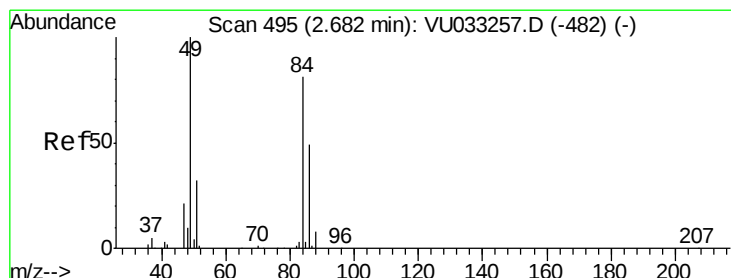
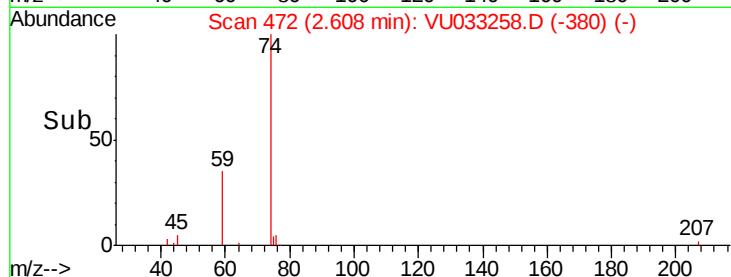
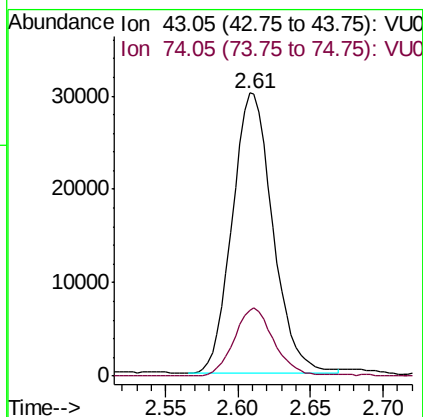
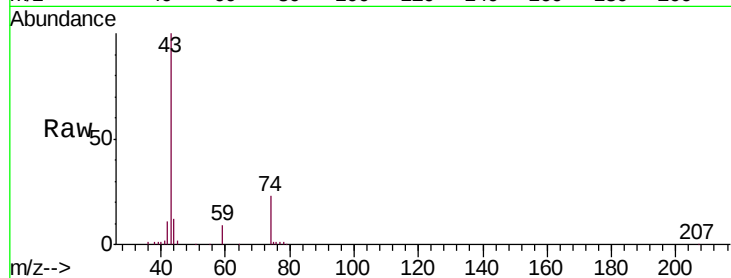




#15
Methyl Acetate
Concen: 10.087 ug/L
RT: 2.61 min Scan# 472
Delta R.T. -0.00 min
Lab File: VU033258.D
Acq: 16 Jul 2019 10:27

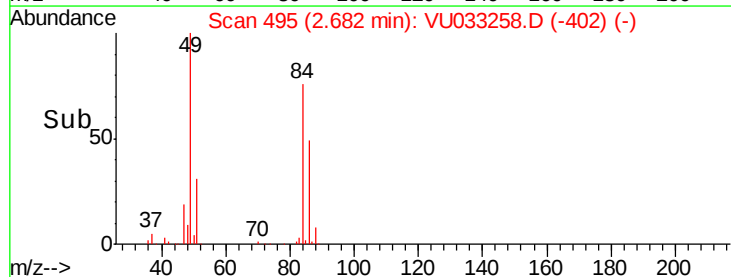
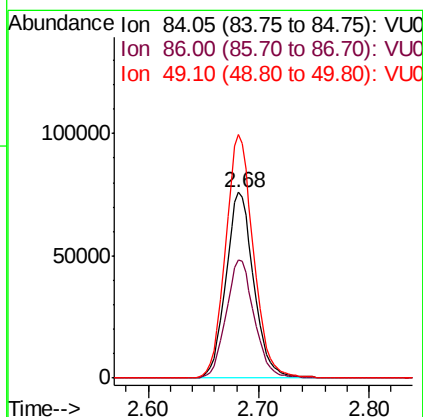
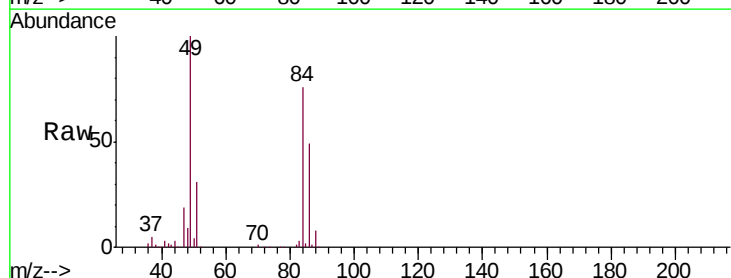
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

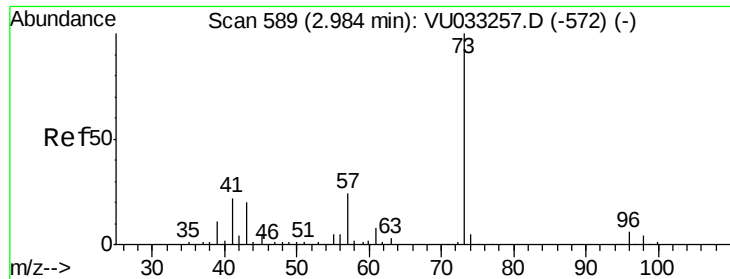
Tgt Ion: 43 Resp: 58672
Ion Ratio Lower Upper
43 100
74 23.8 17.8 26.8



#16
Methylene chloride
Concen: 11.595 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033258.D
Acq: 16 Jul 2019 10:27

Tgt Ion: 84 Resp: 133195
Ion Ratio Lower Upper
84 100
86 63.8 42.5 78.9
49 131.0 86.9 161.3





#17

Methyl tert-butyl Ether

Concen: 11.373 ug/L

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

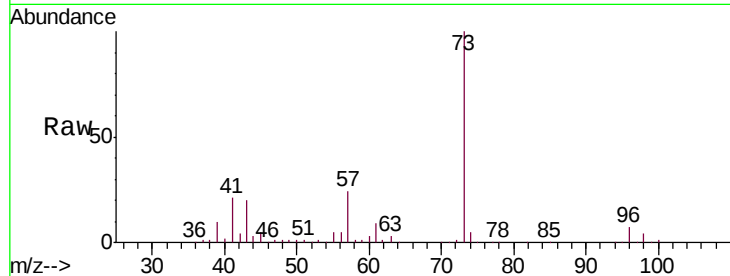
Tgt Ion: 73 Resp: 316358

Ion Ratio Lower Upper

73 100

43 20.5 16.3 24.5

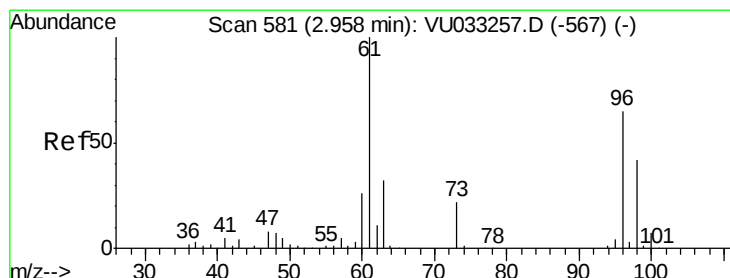
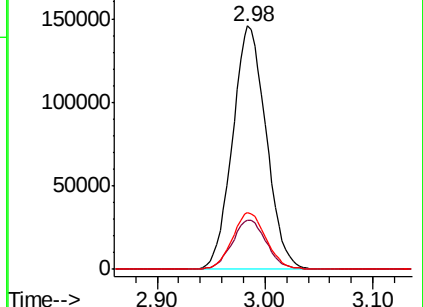
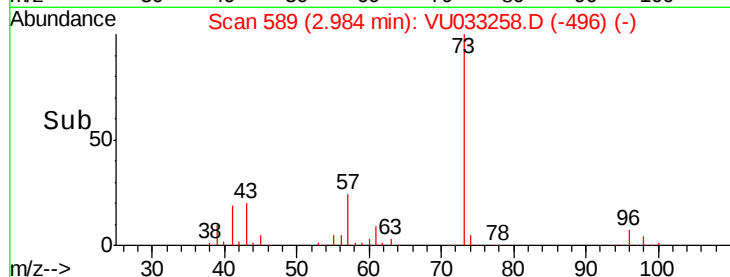
57 23.3 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU033258.D (-496) (-)

Ion 43.05 (42.75 to 43.75): VU033258.D (-496) (-)

Ion 57.10 (56.80 to 57.80): VU033258.D (-496) (-)



#18

trans-1,2-Dichloroethene

Concen: 12.016 ug/L

RT: 2.96 min Scan# 581

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

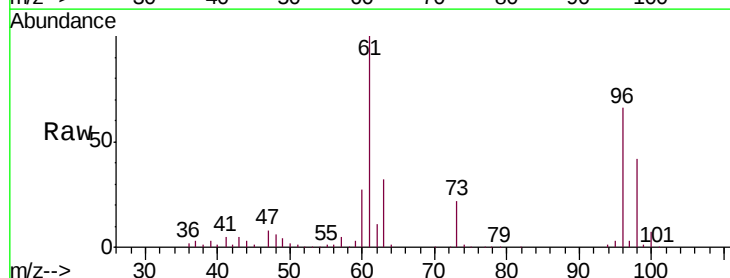
Tgt Ion: 96 Resp: 129107

Ion Ratio Lower Upper

96 100

61 151.5 107.1 198.9

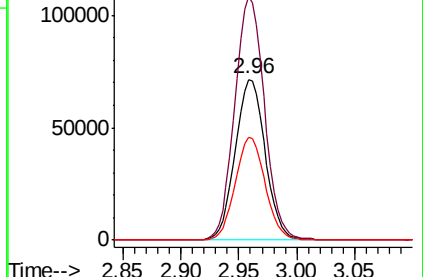
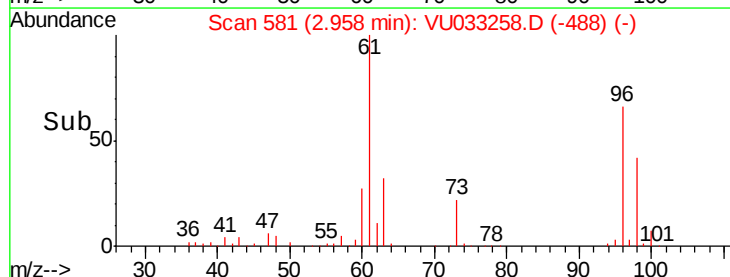
98 64.1 45.4 84.4

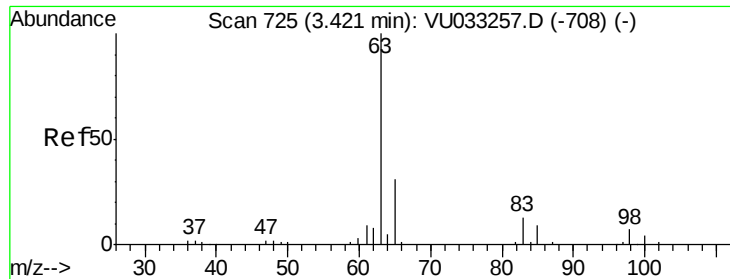


Abundance Ion 96.00 (95.70 to 96.70): VU033258.D (-488) (-)

Ion 61.05 (60.75 to 61.75): VU033258.D (-488) (-)

Ion 97.95 (97.65 to 98.65): VU033258.D (-488) (-)

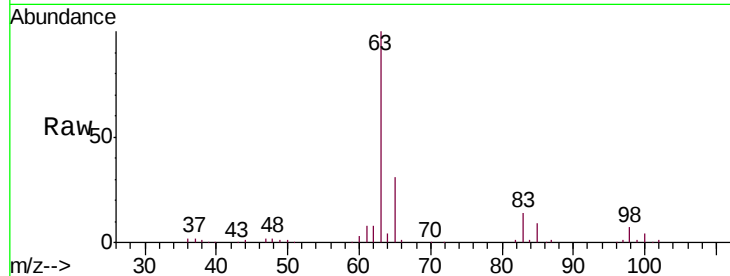




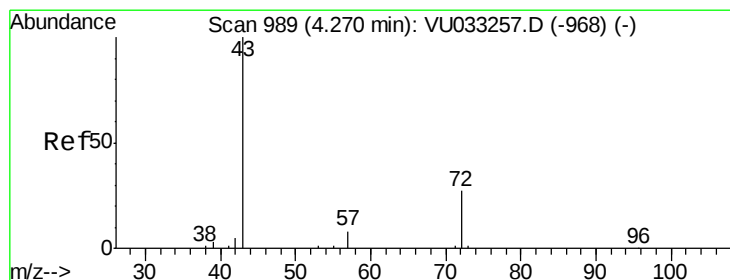
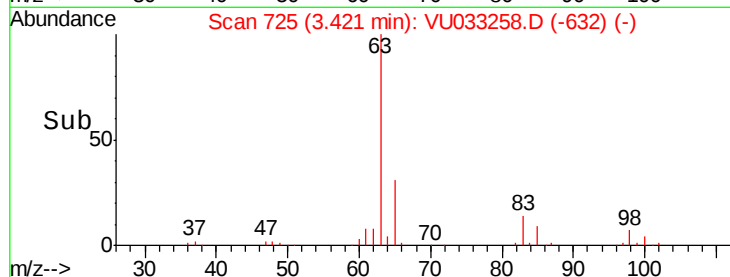
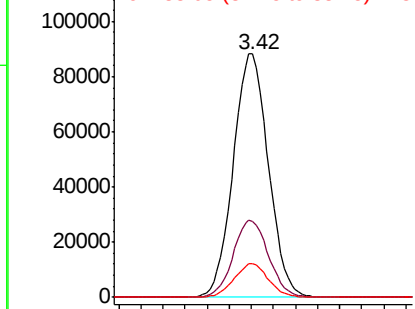
#19
 1,1-Dichloroethane
 Concen: 9.608 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU033258.D
 Acq: 16 Jul 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion: 63 Resp: 195129
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.7 40.3
 83 13.8 9.0 16.8

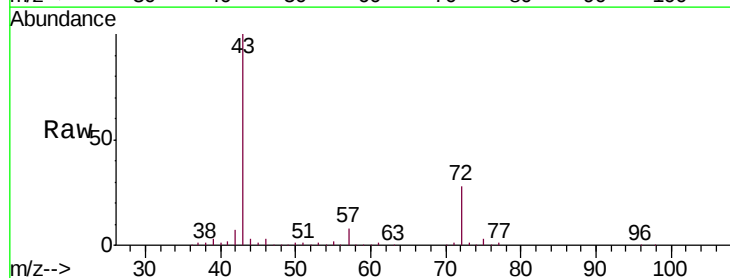


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

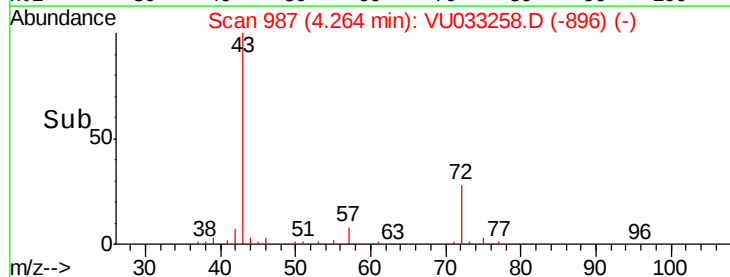
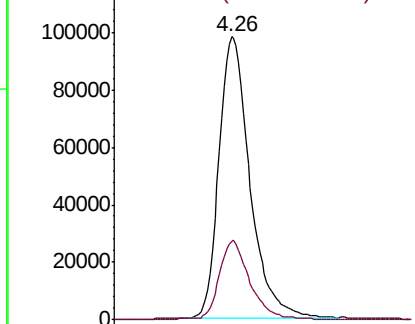


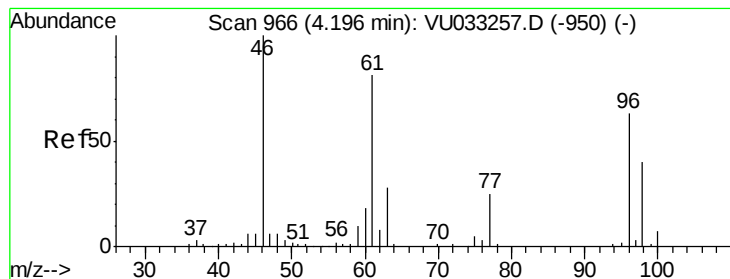
#21
 2-Butanone
 Concen: 84.813 ug/L
 RT: 4.26 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: VU033258.D
 Acq: 16 Jul 2019 10:27

Tgt Ion: 43 Resp: 283488
 Ion Ratio Lower Upper
 43 100
 72 28.7 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



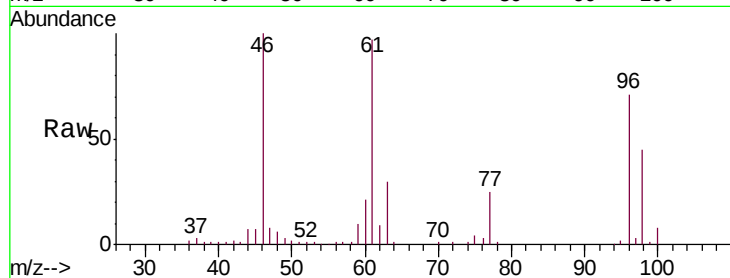


#22

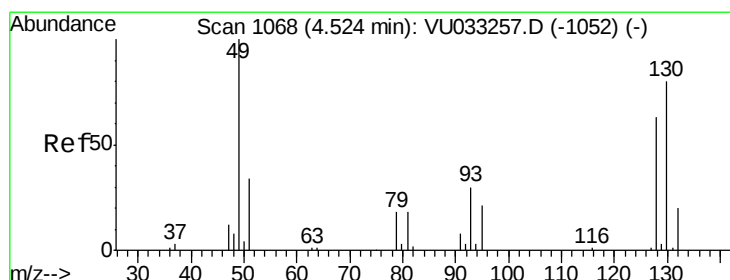
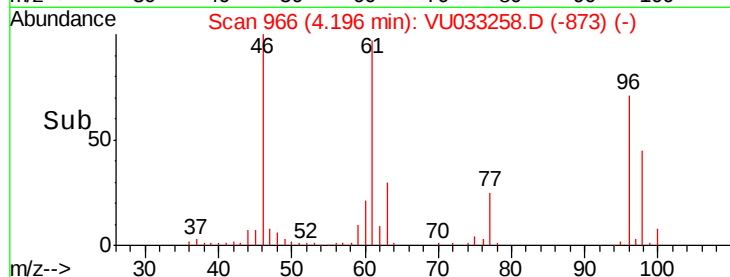
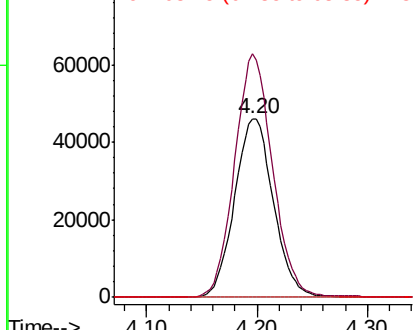
cis-1,2-Dichloroethene
Concen: 10.070 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033258.D
Acq: 16 Jul 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion: 96 Resp: 112428
Ion Ratio Lower Upper
96 100
61 136.1 89.2 165.6
68 0.0 0.0 0.0



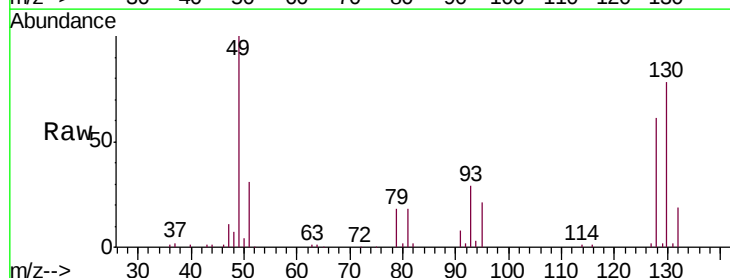
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



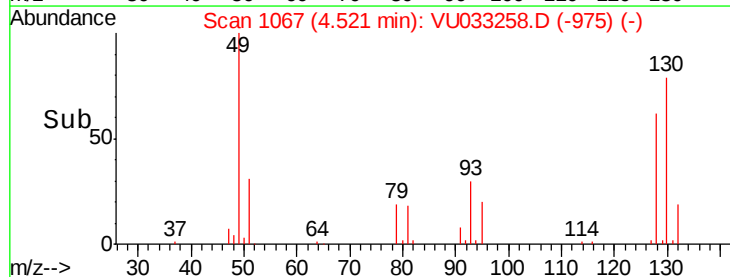
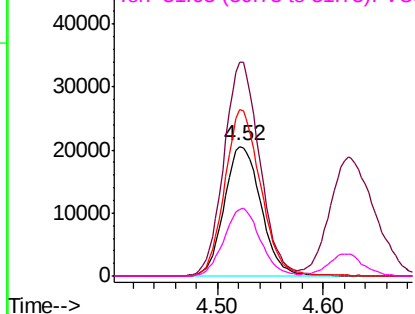
#23

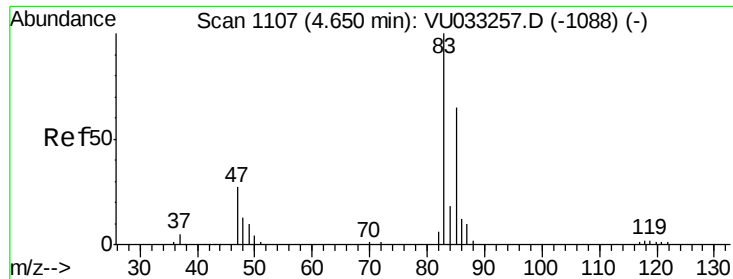
Bromochloromethane
Concen: 9.608 ug/L
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033258.D
Acq: 16 Jul 2019 10:27

Tgt Ion: 128 Resp: 49640
Ion Ratio Lower Upper
128 100
49 165.0 110.5 205.3
130 128.2 88.6 164.6
51 52.0 43.2 64.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

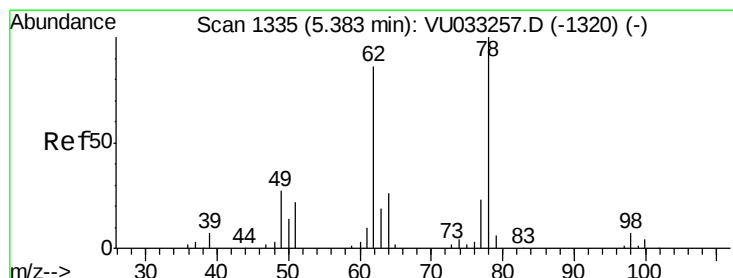
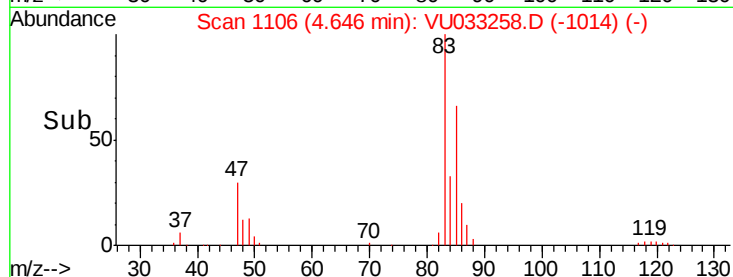
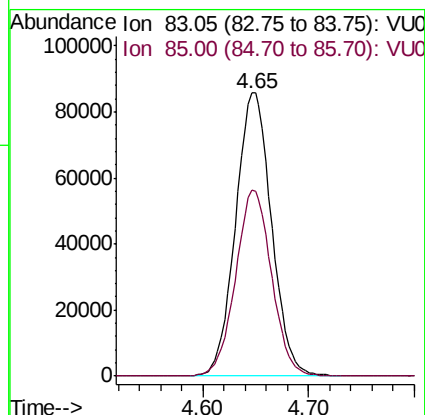
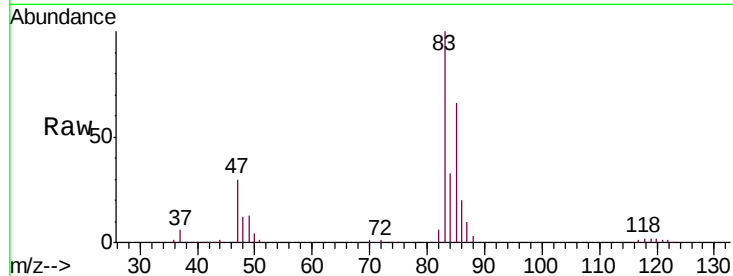




#25
Chloroform
Concen: 9.041 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033258.D
Acq: 16 Jul 2019 10:27

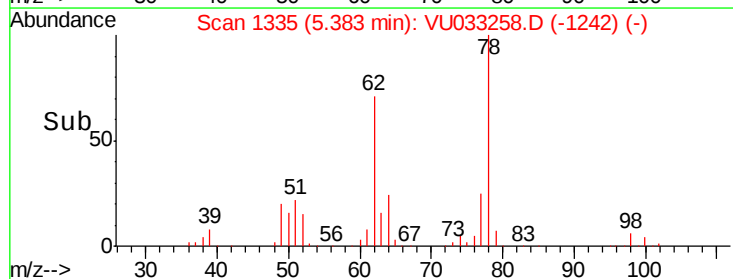
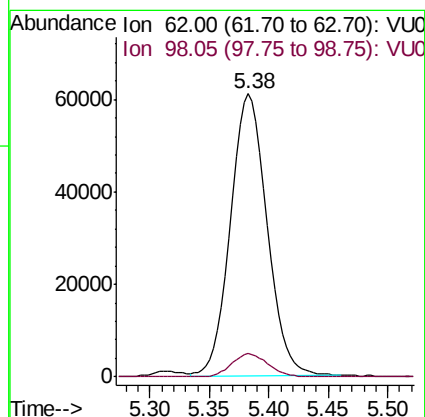
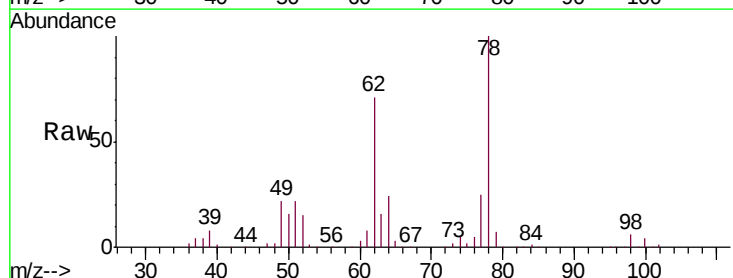
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

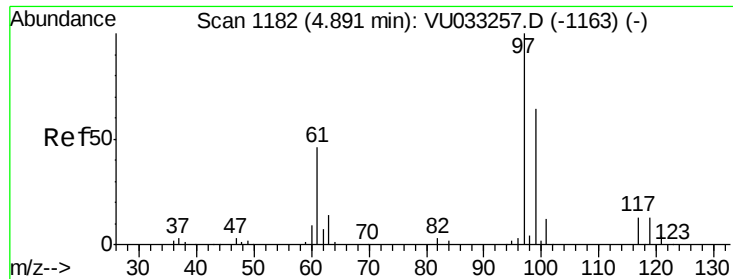
Tgt Ion: 83 Resp: 202840
Ion Ratio Lower Upper
83 100
85 65.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 9.031 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033258.D
Acq: 16 Jul 2019 10:27

Tgt Ion: 62 Resp: 130167
Ion Ratio Lower Upper
62 100
98 8.2 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 9.567 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

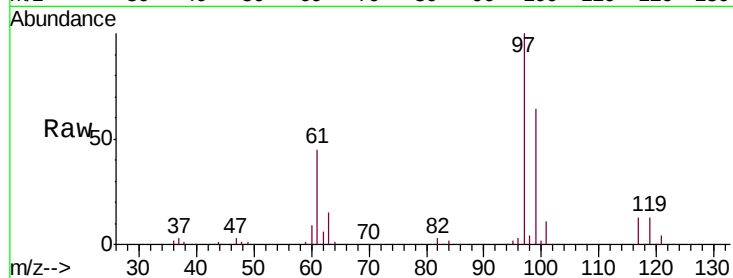
Tgt Ion: 97 Resp: 173891

Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

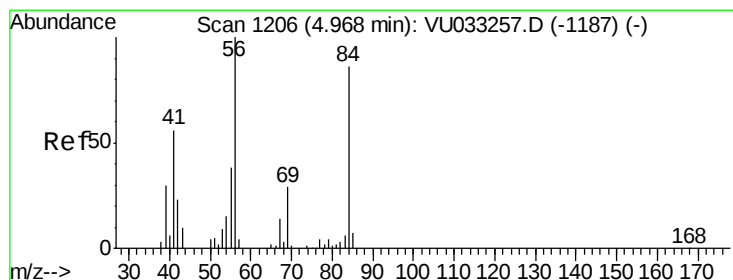
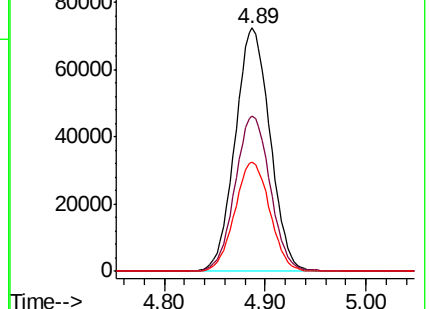
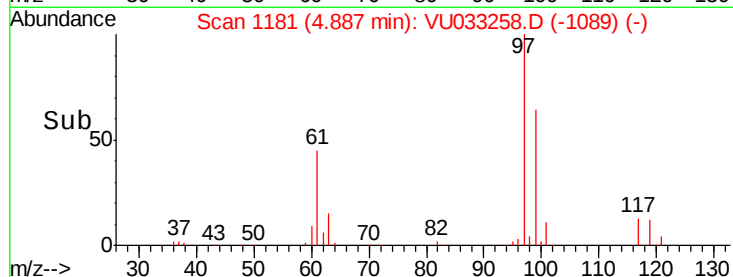
61 45.0 36.2 54.4



Abundance Ion 96.95 (96.65 to 97.65): VU033257.D (-1163) (-)

Ion 99.05 (98.75 to 99.75): VU033257.D (-1163) (-)

Ion 61.05 (60.75 to 61.75): VU033257.D (-1163) (-)



#30

Cyclohexane

Concen: 9.771 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

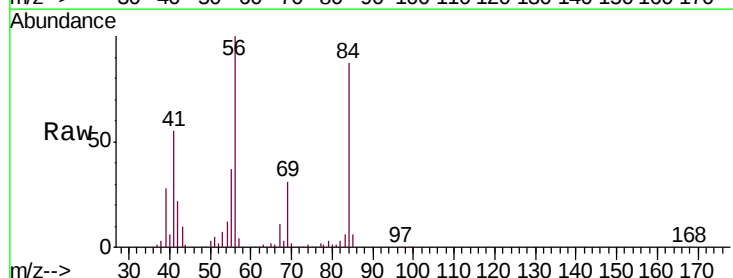
Tgt Ion: 56 Resp: 161213

Ion Ratio Lower Upper

56 100

69 31.0 23.9 35.9

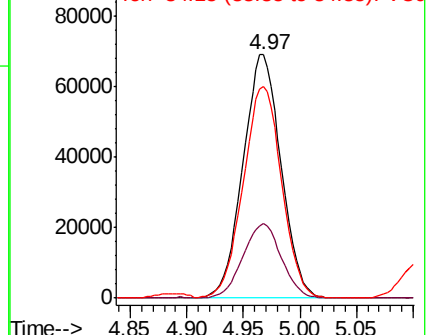
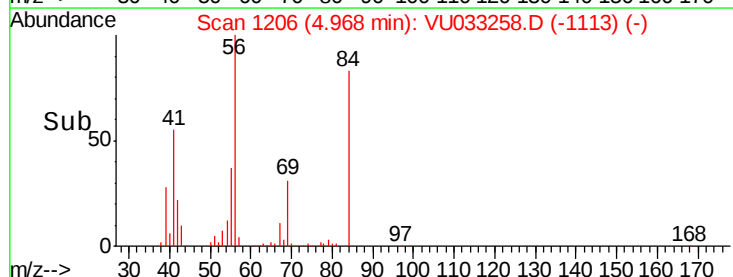
84 88.1 69.5 104.3

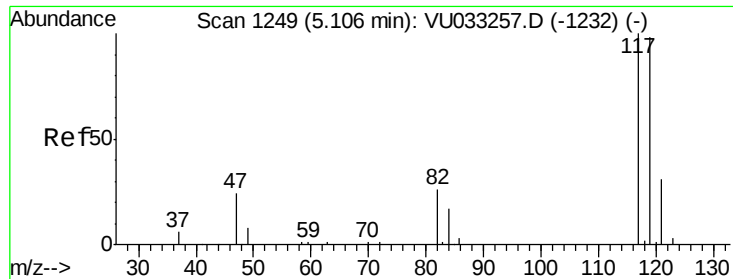


Abundance Ion 56.10 (55.80 to 56.80): VU033257.D (-1187) (-)

Ion 69.15 (68.85 to 69.85): VU033257.D (-1187) (-)

Ion 84.15 (83.85 to 84.85): VU033257.D (-1187) (-)

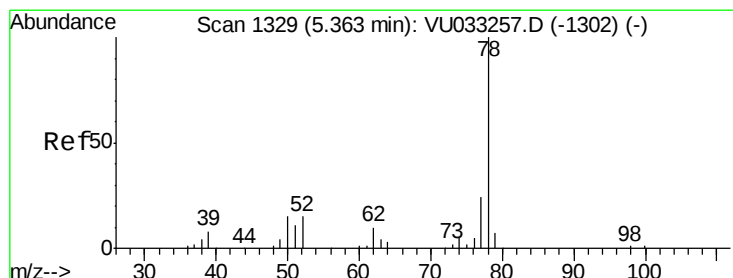
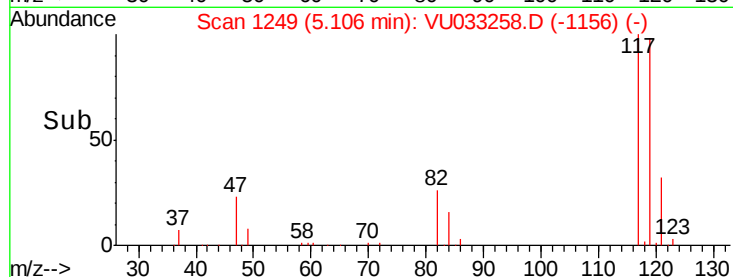
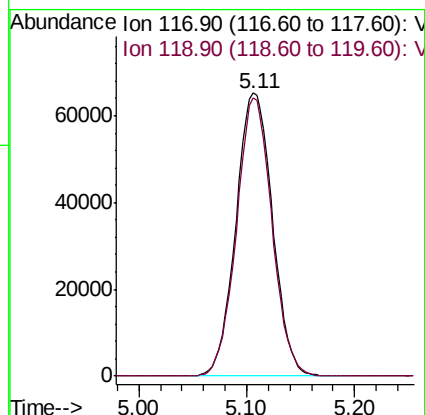
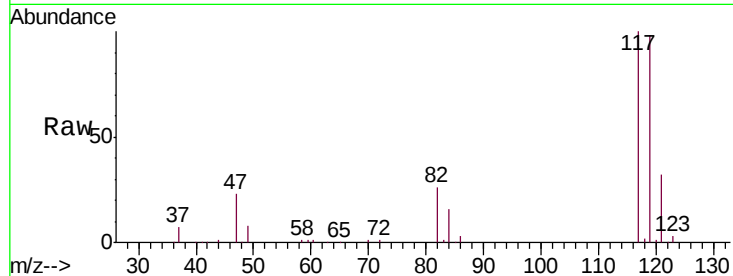




#31
Carbon tetrachloride
Concen: 9.470 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU033258.D
Acq: 16 Jul 2019 10:27

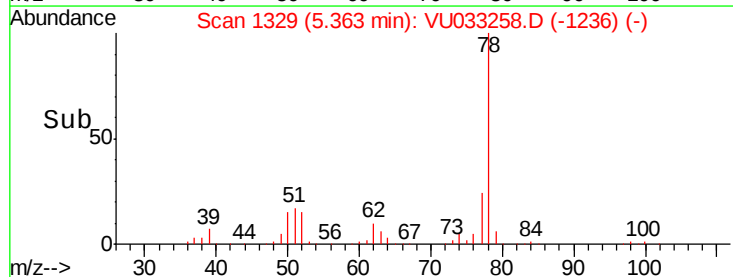
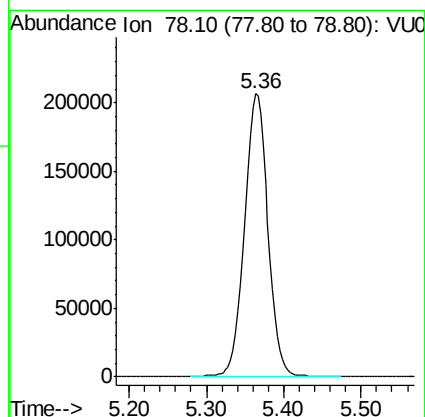
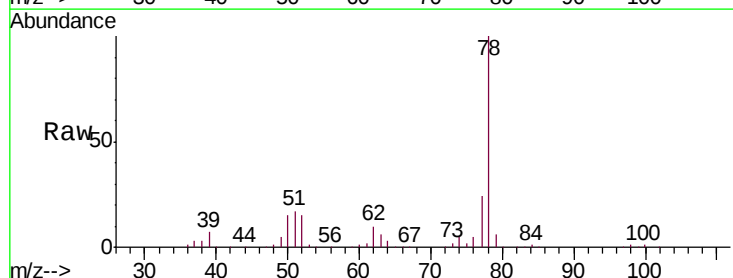
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

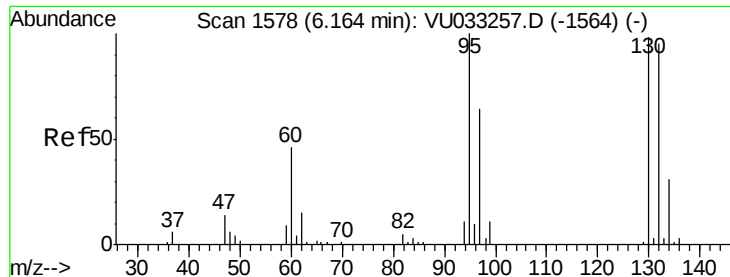
Tgt Ion:117 Resp: 153925
Ion Ratio Lower Upper
117 100
119 95.3 77.5 116.3



#33
Benzene
Concen: 10.334 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU033258.D
Acq: 16 Jul 2019 10:27

Tgt Ion: 78 Resp: 435164





#34

Trichloroethene

Concen: 10.009 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

Tgt Ion: 95 Resp: 113776

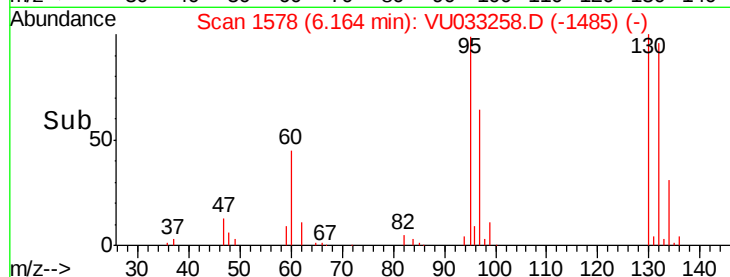
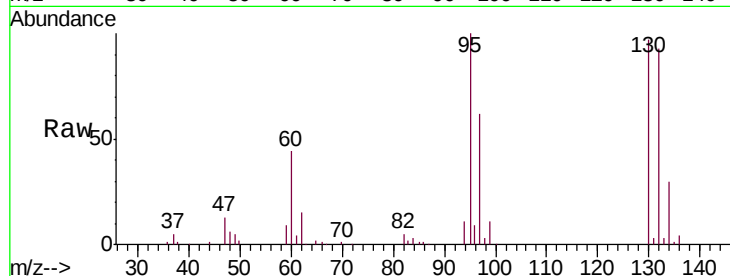
Ion Ratio Lower Upper

95 100

97 62.1 44.5 82.7

132 93.3 66.6 123.8

130 97.1 68.9 127.9

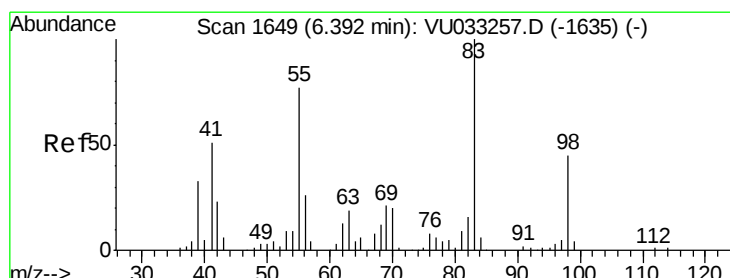
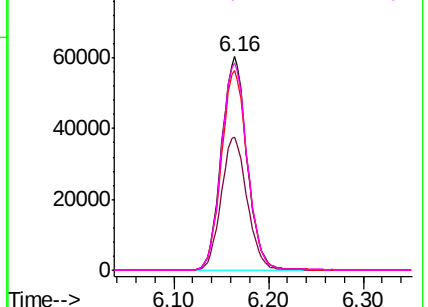


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 10.545 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

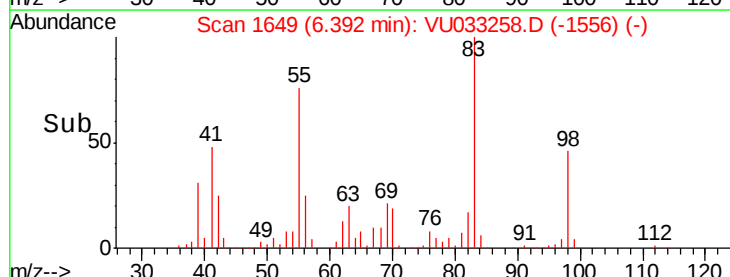
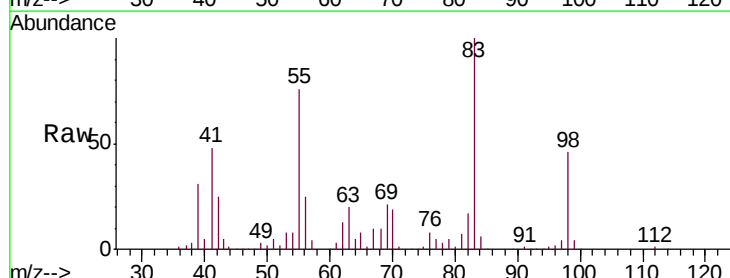
Tgt Ion: 83 Resp: 179039

Ion Ratio Lower Upper

83 100

55 77.3 62.6 94.0

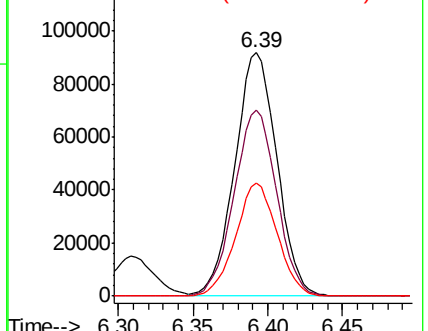
98 45.9 36.2 54.2

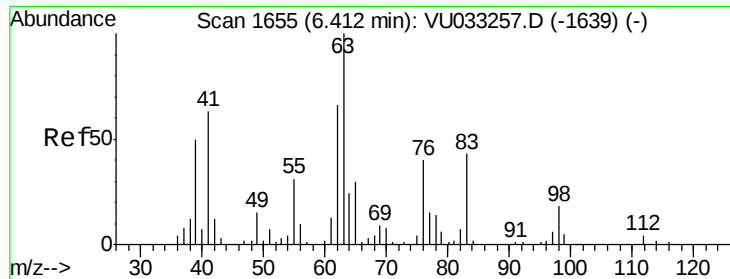


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

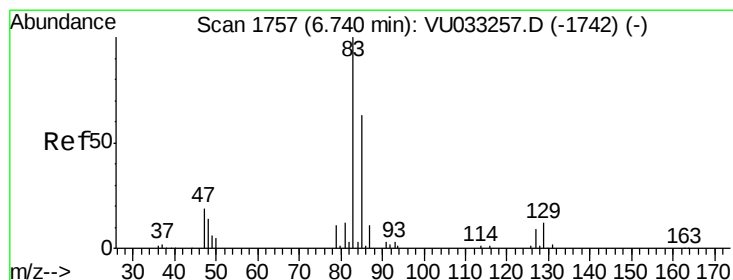
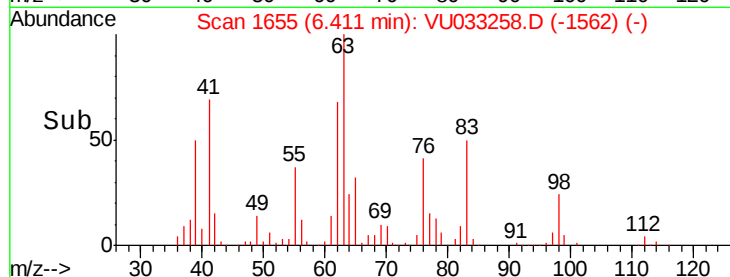
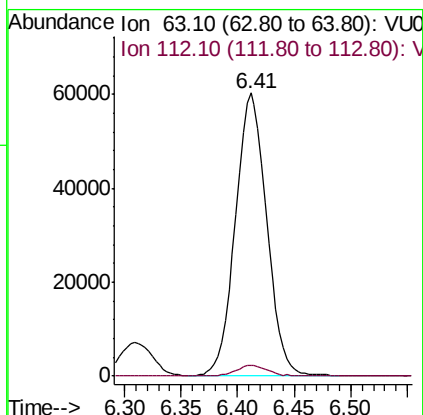
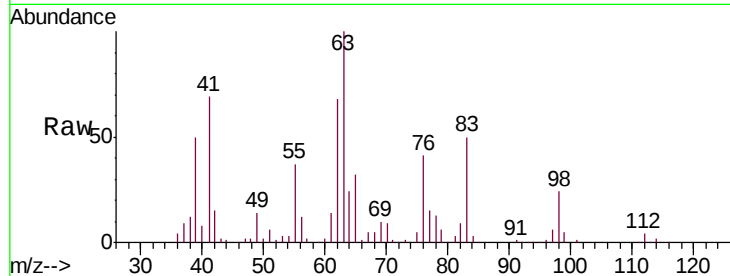




#37
 1,2-Dichloropropane
 Concen: 10.087 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033258.D
 Acq: 16 Jul 2019 10:27

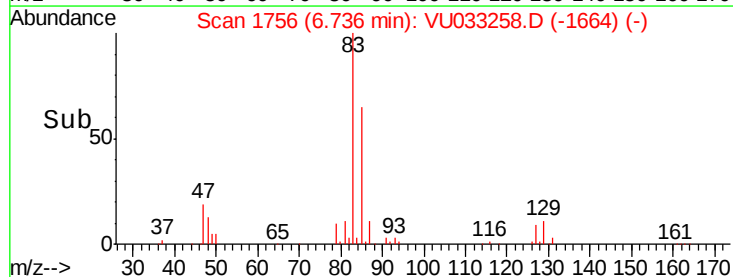
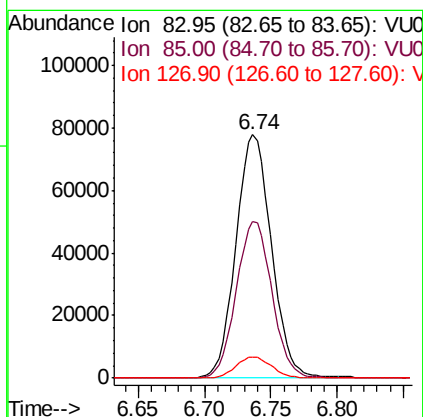
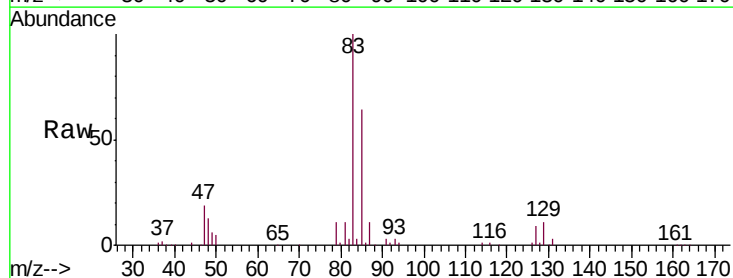
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

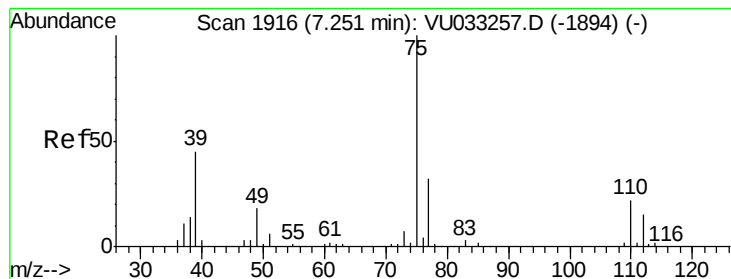
Tgt Ion: 63 Resp: 116250
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 9.686 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033258.D
 Acq: 16 Jul 2019 10:27

Tgt Ion: 83 Resp: 145199
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.0 81.8
 127 8.8 7.0 10.4



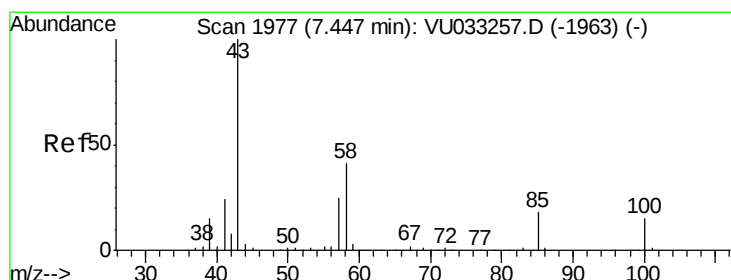
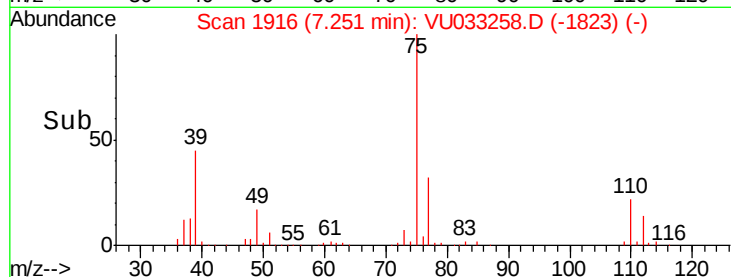
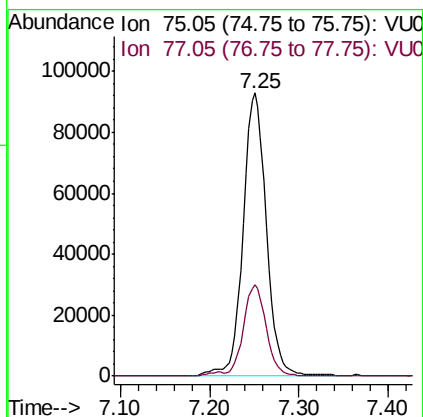
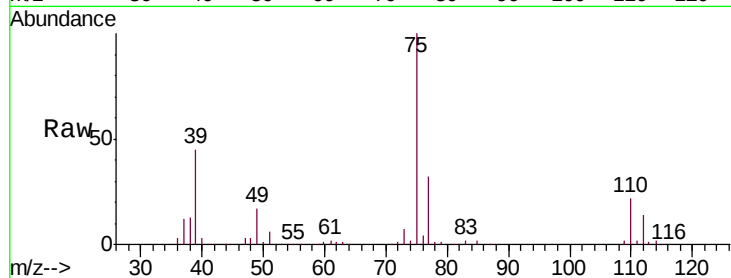


#39

cis-1,3-Dichloropropene
 Concen: 10.401 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033258.D
 Acq: 16 Jul 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

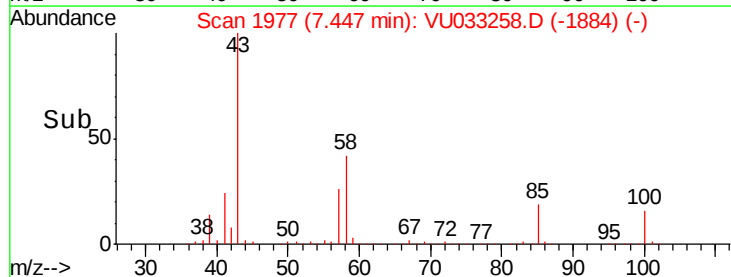
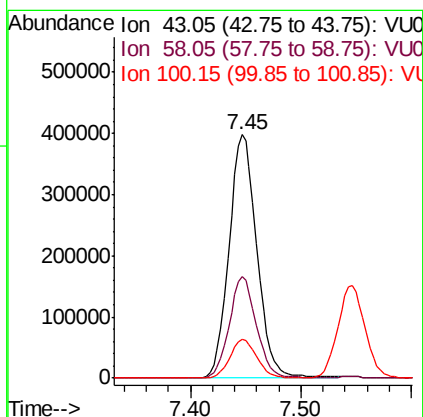
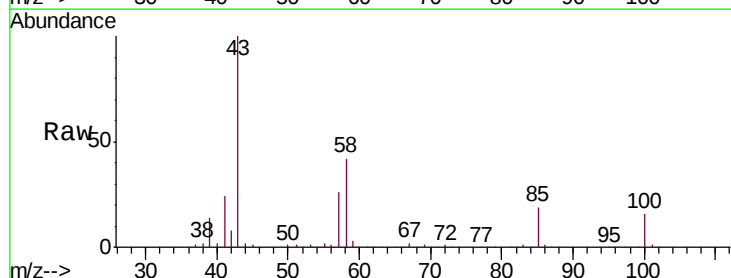
Tgt Ion: 75 Resp: 169058
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.1 41.1

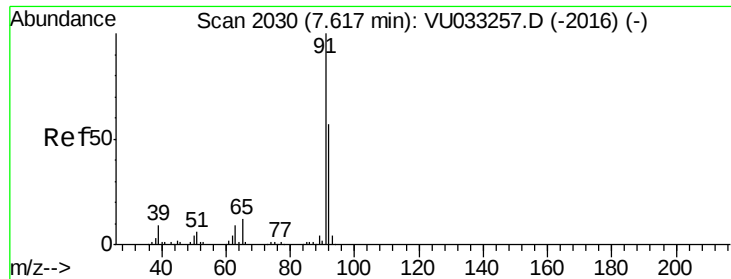


#40

4-Methyl-2-pentanone
 Concen: 89.858 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. -0.00 min
 Lab File: VU033258.D
 Acq: 16 Jul 2019 10:27

Tgt Ion: 43 Resp: 696540
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.4 48.6
 100 15.5 11.9 17.9





#42

Toluene

Concen: 10.729 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

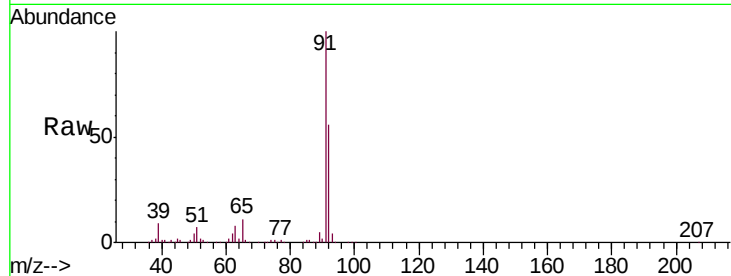
VSTD01006

Tgt Ion: 91 Resp: 486133

Ion Ratio Lower Upper

91 100

92 56.4 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU033257.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU033257.D (-2016) (-)

7.62

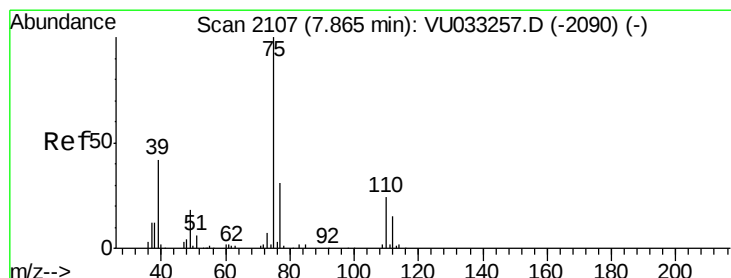
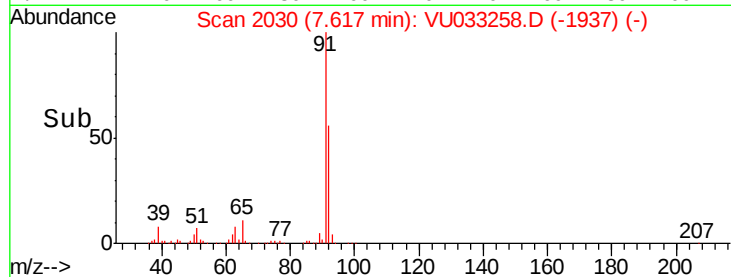
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.406 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033258.D

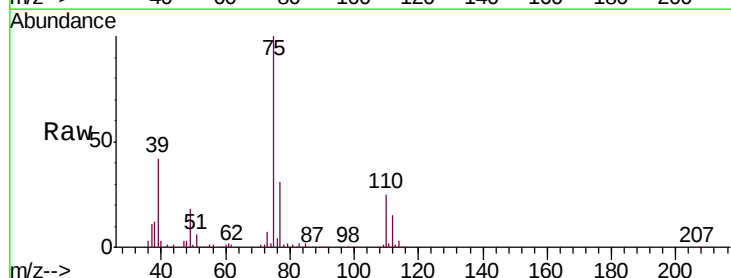
Acq: 16 Jul 2019 10:27

Tgt Ion: 75 Resp: 140962

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU033257.D (-2090) (-)

Ion 77.05 (76.75 to 77.75): VU033257.D (-2090) (-)

7.86

80000

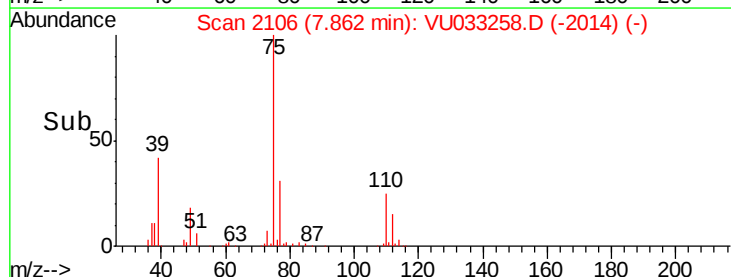
60000

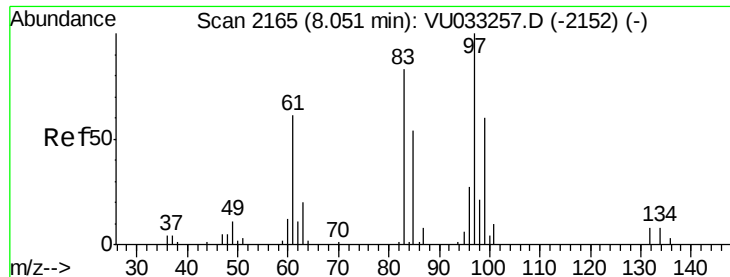
40000

20000

0

Time-->

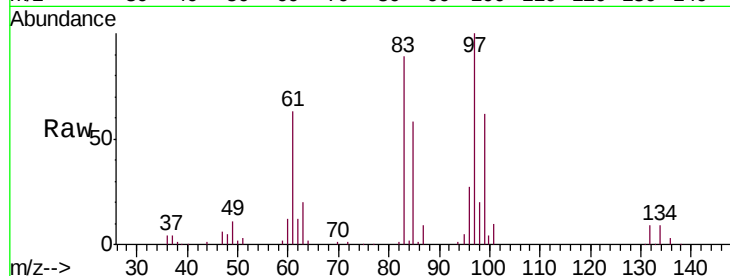




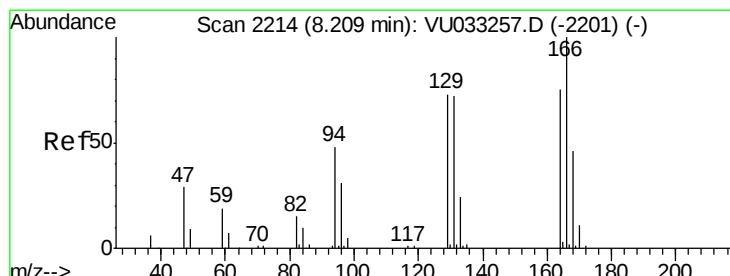
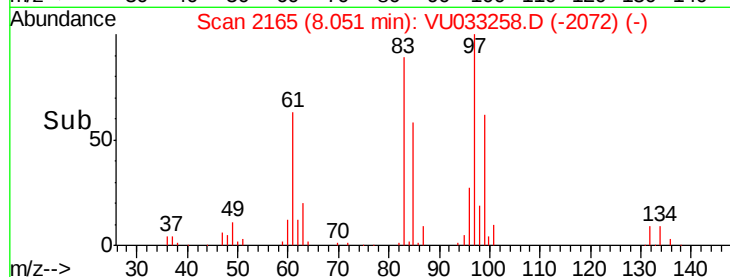
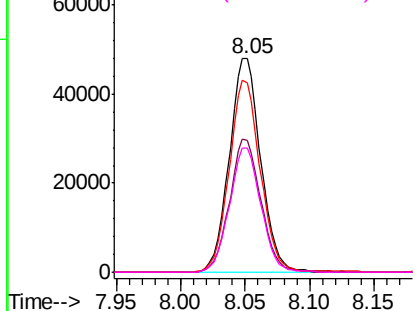
#45
 1,1,2-Trichloroethane
 Concen: 10.027 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VU033258.D
 Acq: 16 Jul 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion:	97	Resp:	81194
Ion	Ratio	Lower	Upper
97	100		
99	61.6	42.3	78.5
83	88.8	58.0	107.6
85	58.0	37.8	70.2

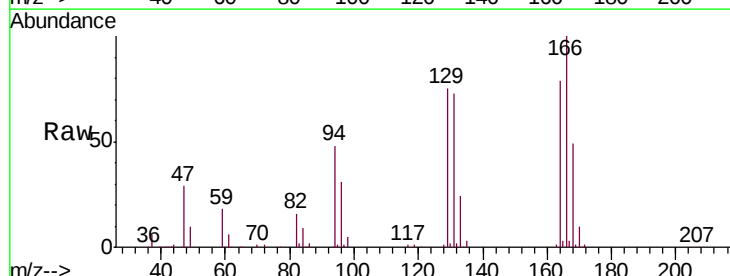


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

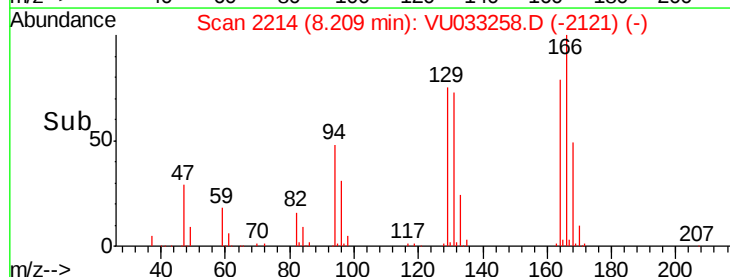
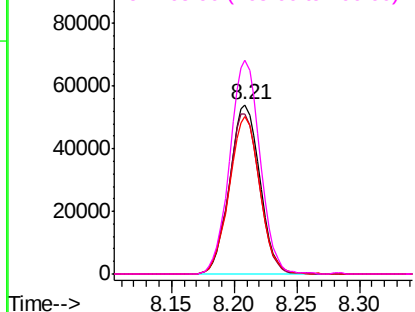


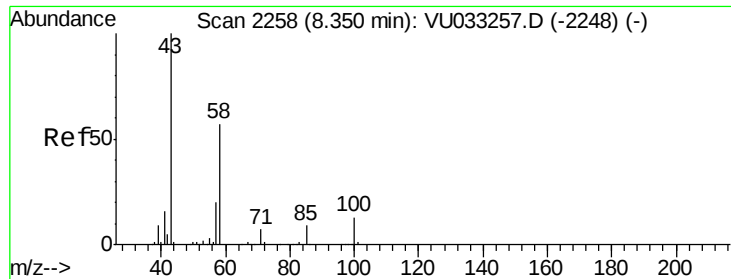
#47
 Tetrachloroethene
 Concen: 9.674 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033258.D
 Acq: 16 Jul 2019 10:27

Tgt Ion:	164	Resp:	90581
Ion	Ratio	Lower	Upper
164	100		
129	94.8	68.5	127.1
131	92.7	67.3	124.9
166	126.2	93.1	172.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

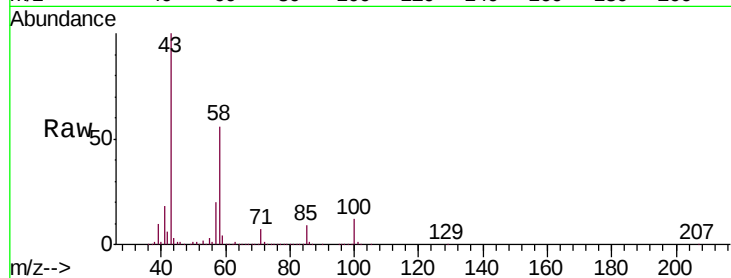




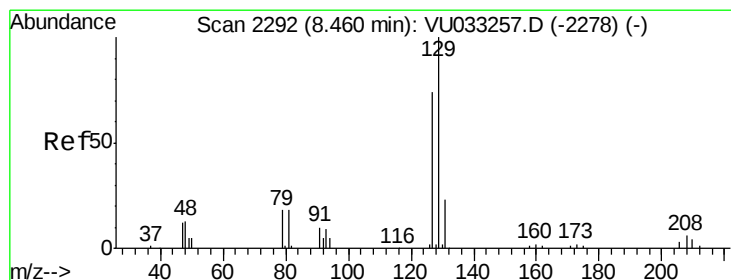
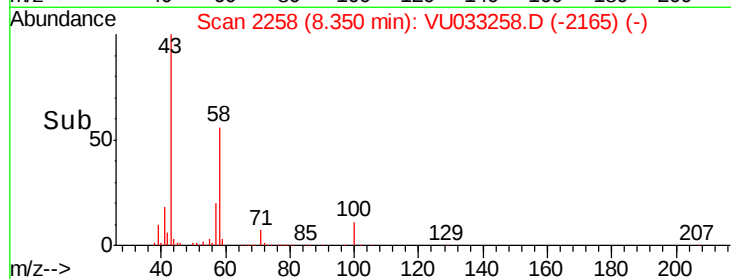
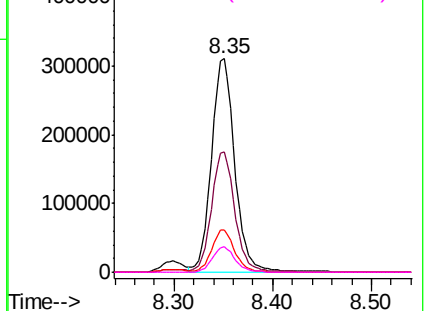
#48
2-Hexanone
Concen: 90.202 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. -0.00 min
Lab File: VU033258.D
Acq: 16 Jul 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

Tgt Ion:	43	Resp:	509927
Ion	Ratio	Lower	Upper
43	100		
58	56.3	44.1	66.1
57	19.5	15.8	23.8
100	11.8	9.4	14.2

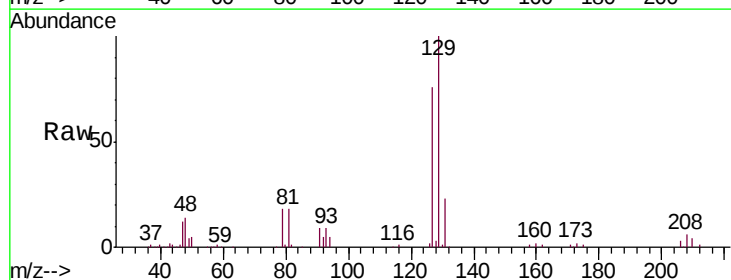


Abundance Ion 43.05 (42.75 to 43.75): VU033257.D (-2248) (-)
Ion 58.05 (57.75 to 58.75): VU033257.D (-2248) (-)
Ion 57.20 (56.90 to 57.90): VU033257.D (-2248) (-)
Ion 100.15 (99.85 to 100.85): VU033257.D (-2248) (-)

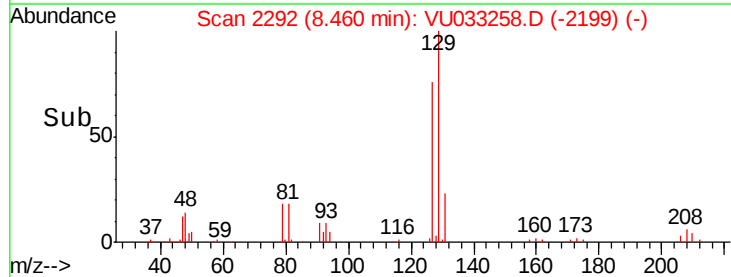
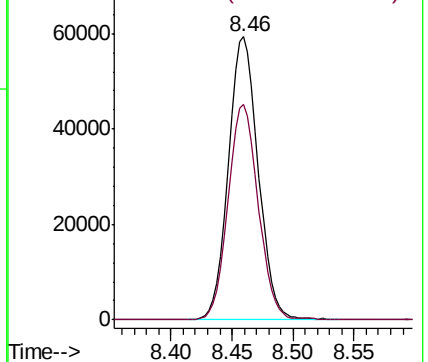


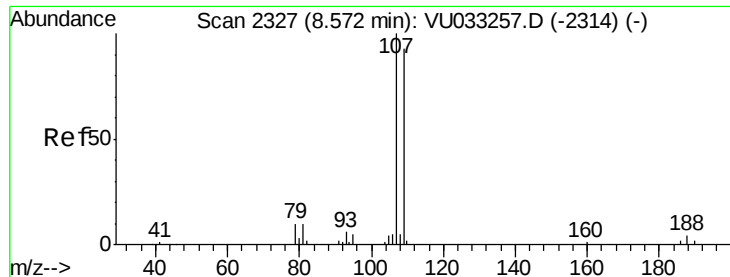
#49
Dibromochloromethane
Concen: 9.971 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033258.D
Acq: 16 Jul 2019 10:27

Tgt Ion:	129	Resp:	101271
Ion	Ratio	Lower	Upper
129	100		
127	76.1	51.9	96.5



Abundance Ion 128.95 (128.65 to 129.65): VU033257.D (-2278) (-)
Ion 126.90 (126.60 to 127.60): VU033257.D (-2278) (-)

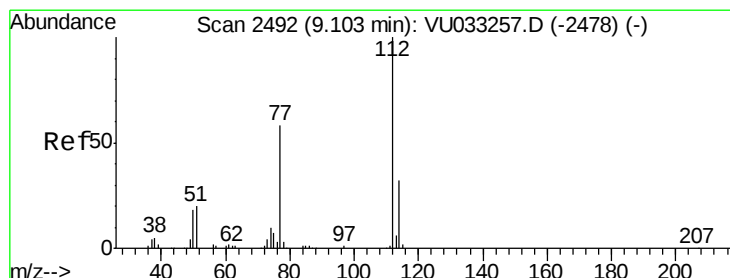
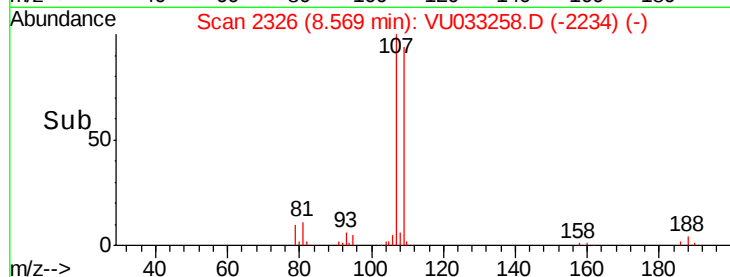
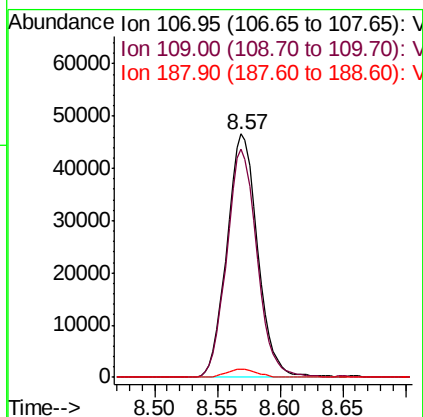
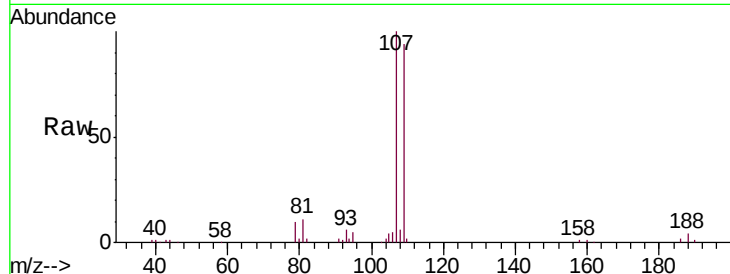




#50
1,2-Dibromoethane
Concen: 10.203 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033258.D
Acq: 16 Jul 2019 10:27

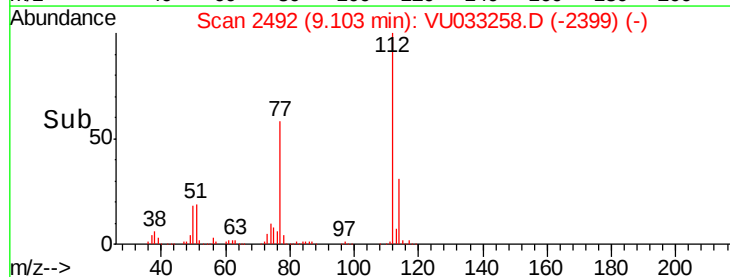
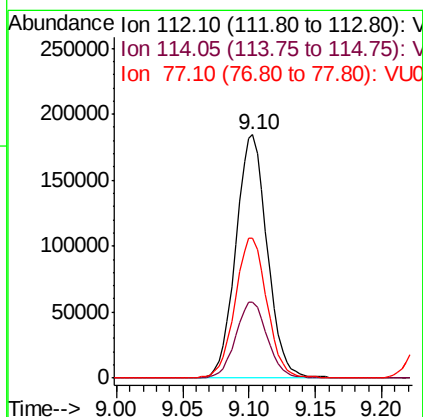
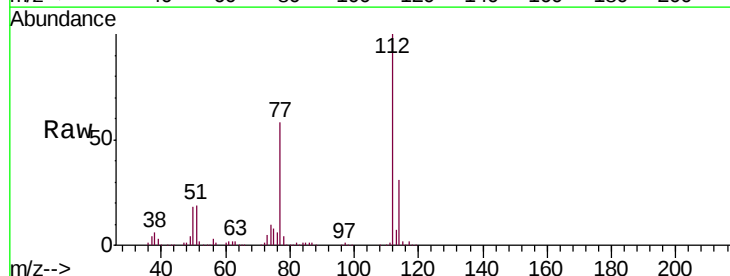
Instrument :
MSVOA_U
ClientSampleId :
VSTD01006

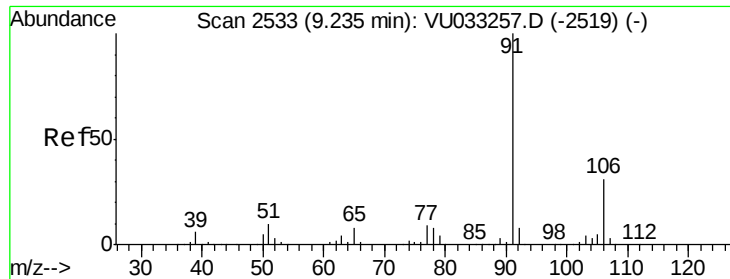
Tgt Ion:107 Resp: 79285
Ion Ratio Lower Upper
107 100
109 94.0 64.8 120.4
188 3.5 3.0 4.6



#51
Chlorobenzene
Concen: 10.141 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033258.D
Acq: 16 Jul 2019 10:27

Tgt Ion:112 Resp: 303211
Ion Ratio Lower Upper
112 100
114 31.4 22.1 41.1
77 57.7 46.9 70.3





#52

Ethylbenzene

Concen: 10.524 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

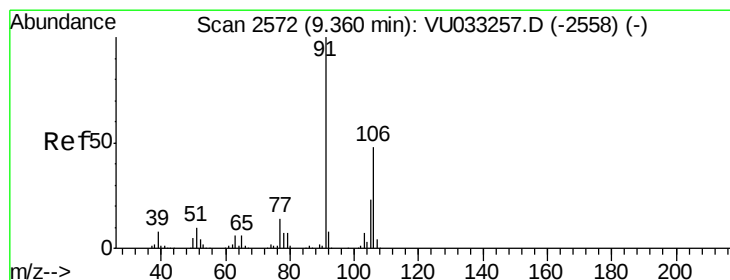
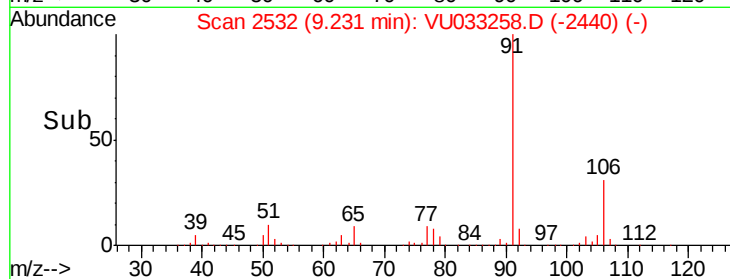
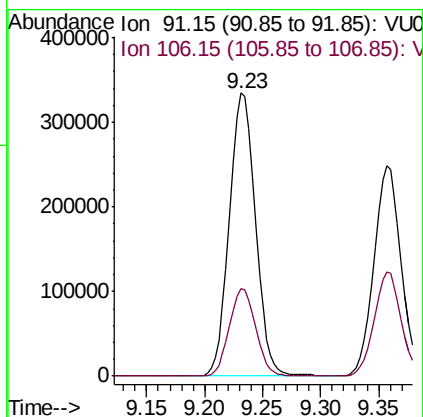
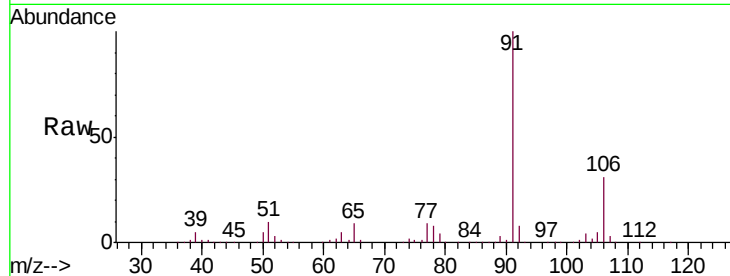
VSTD01006

Tgt Ion: 91 Resp: 521449

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.2



#53

m,p-Xylene

Concen: 10.957 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033258.D

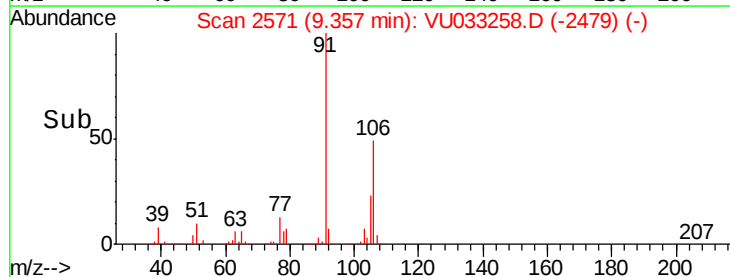
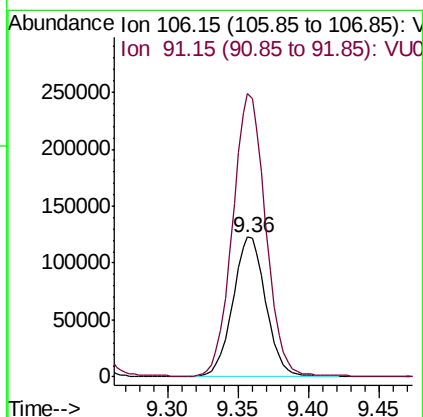
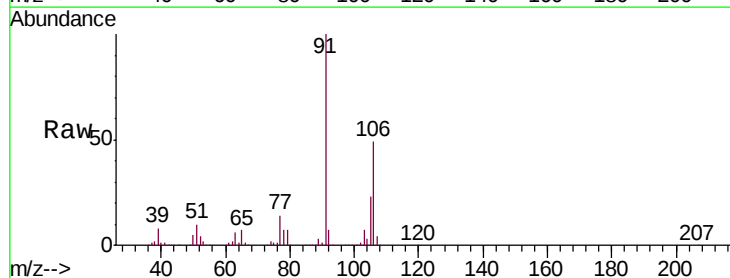
Acq: 16 Jul 2019 10:27

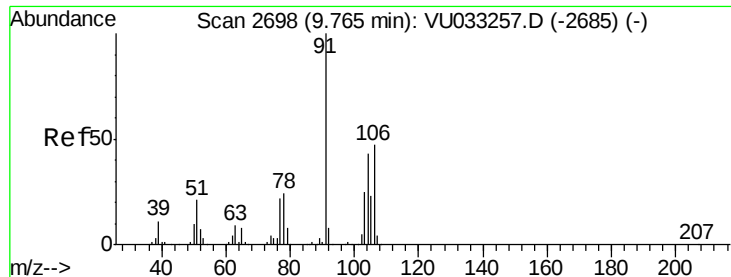
Tgt Ion: 106 Resp: 199733

Ion Ratio Lower Upper

106 100

91 202.3 147.6 274.0





#54

o-Xylene

Concen: 10.936 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

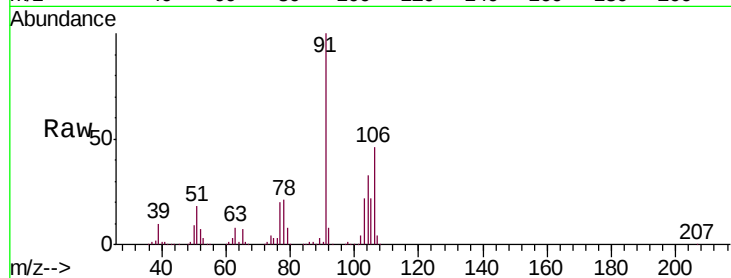
VSTD01006

Tgt Ion:106 Resp: 193920

Ion Ratio Lower Upper

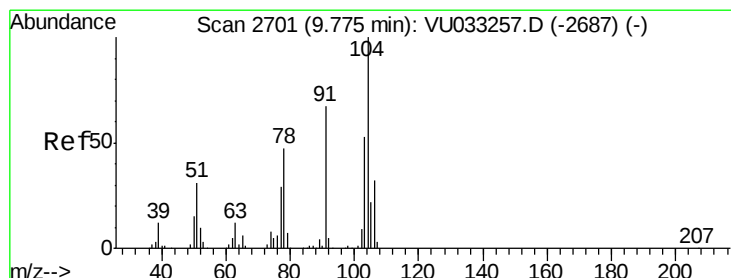
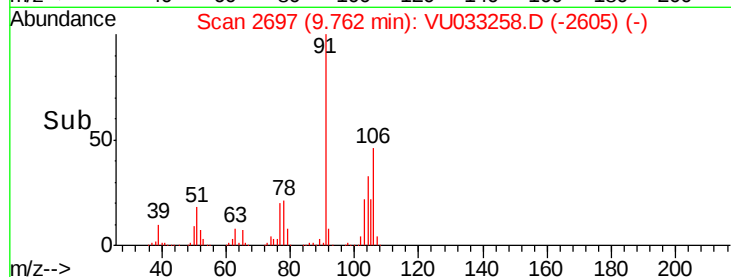
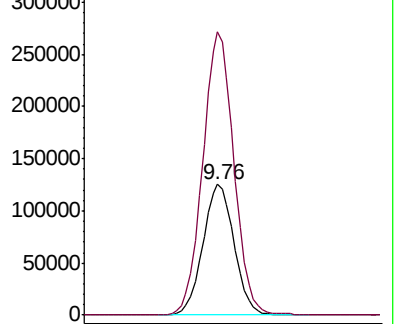
106 100

91 216.6 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU



#55

Styrene

Concen: 11.334 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033258.D

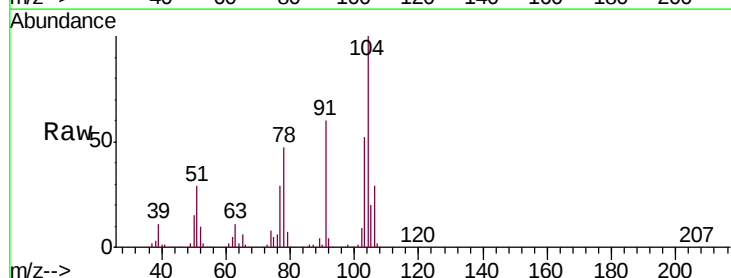
Acq: 16 Jul 2019 10:27

Tgt Ion:104 Resp: 340770

Ion Ratio Lower Upper

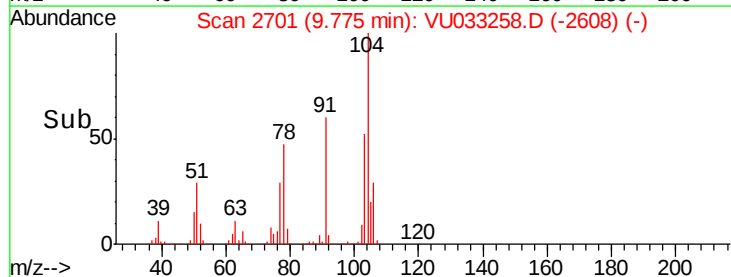
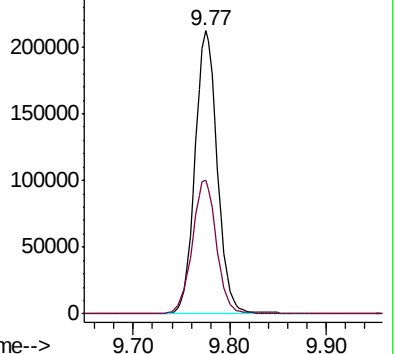
104 100

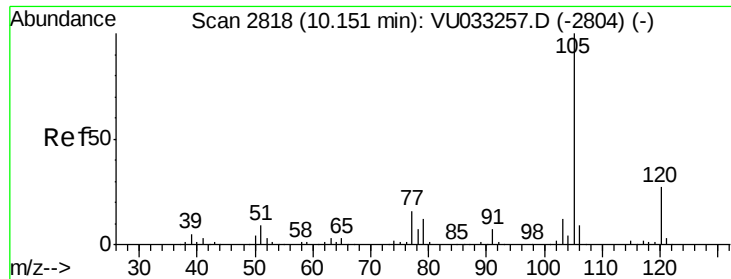
78 47.4 32.8 60.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU





#56

Isopropylbenzene

Concen: 10.849 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

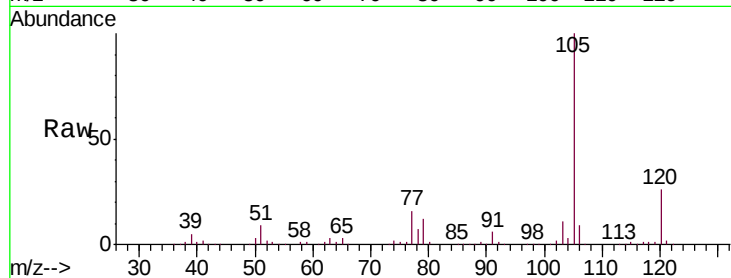
Tgt Ion: 105 Resp: 513569

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

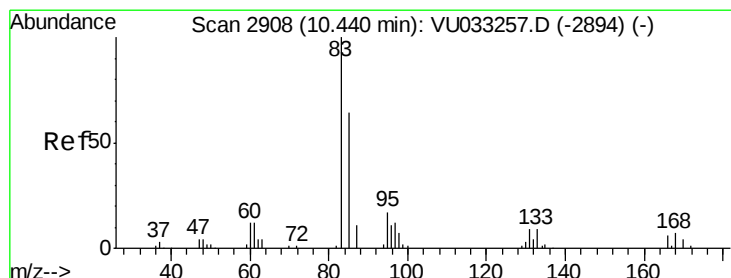
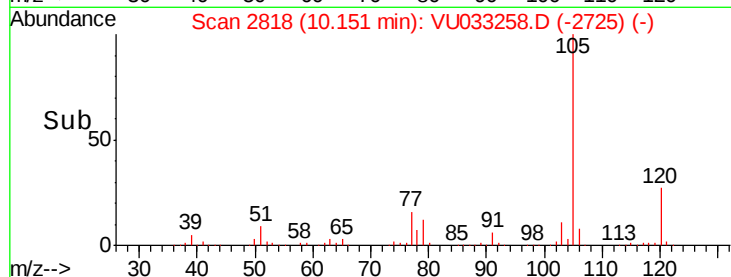
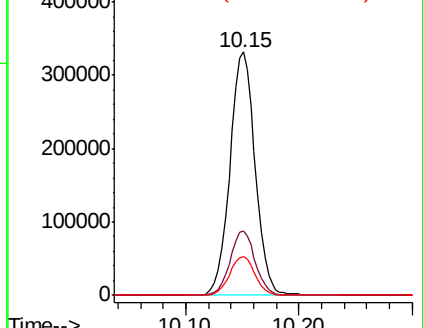
77 16.1 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.247 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

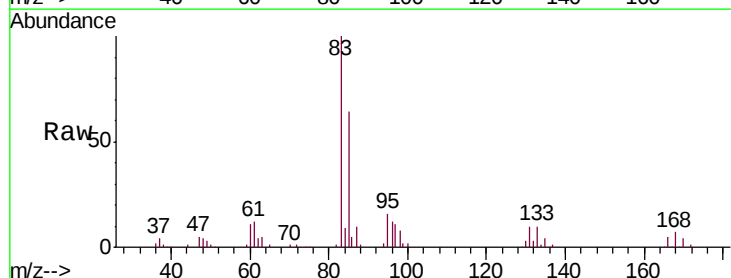
Tgt Ion: 83 Resp: 106434

Ion Ratio Lower Upper

83 100

85 63.9 44.6 82.8

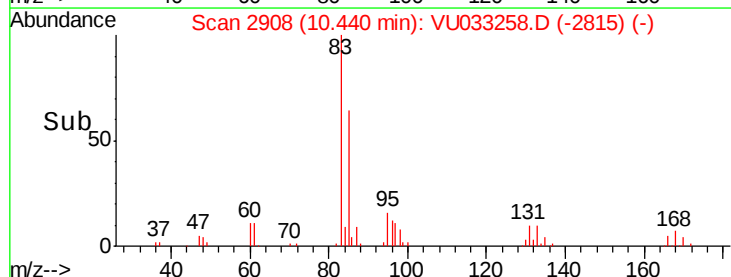
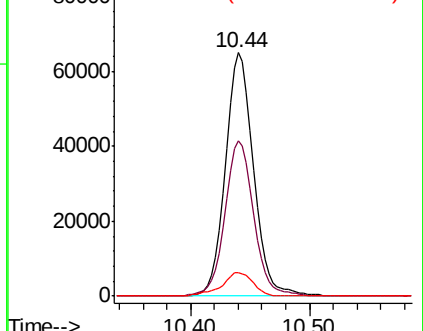
131 9.7 7.4 11.2

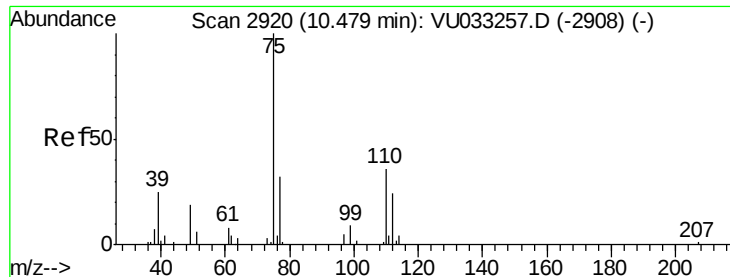


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.534 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

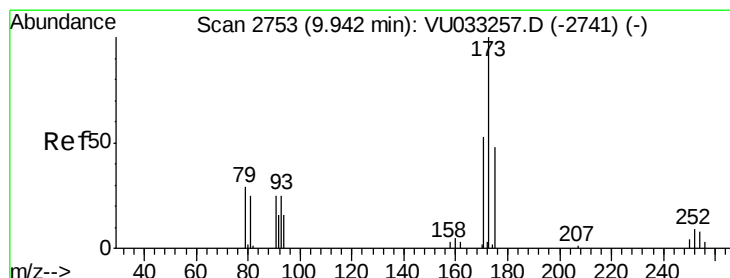
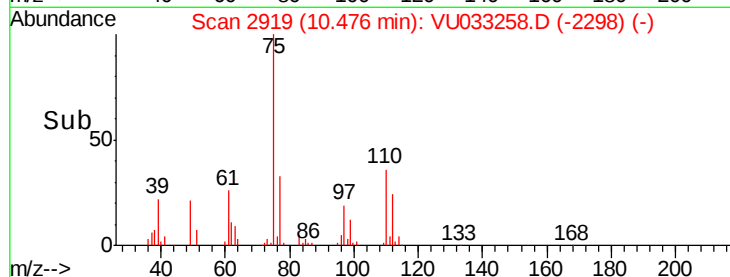
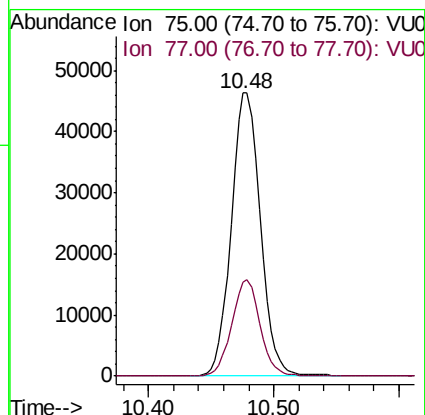
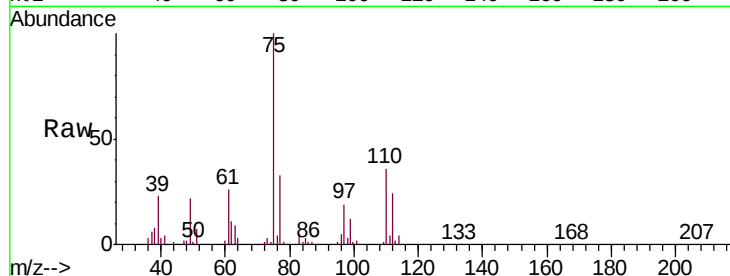
VSTD01006

Tgt Ion: 75 Resp: 74752

Ion Ratio Lower Upper

75 100

77 32.9 26.5 39.7



#61

Bromoform

Concen: 9.701 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

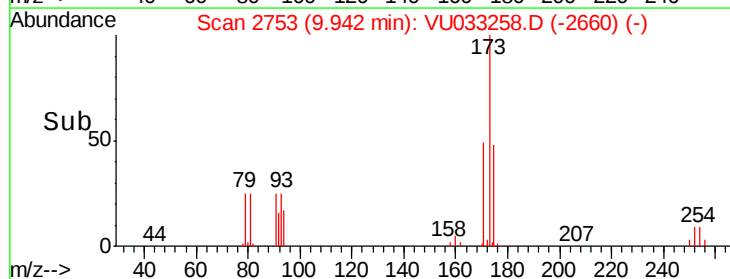
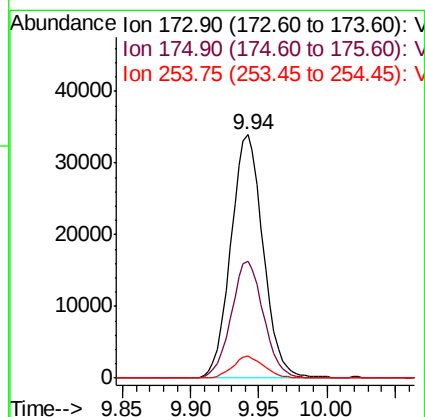
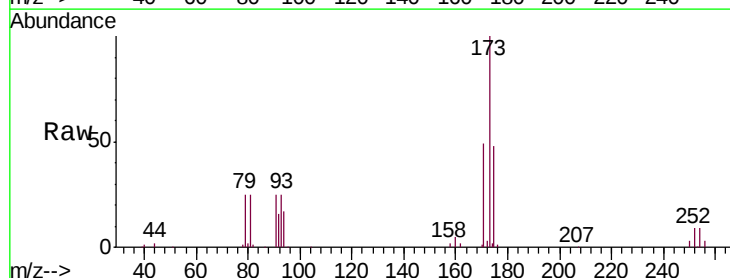
Tgt Ion: 173 Resp: 55866

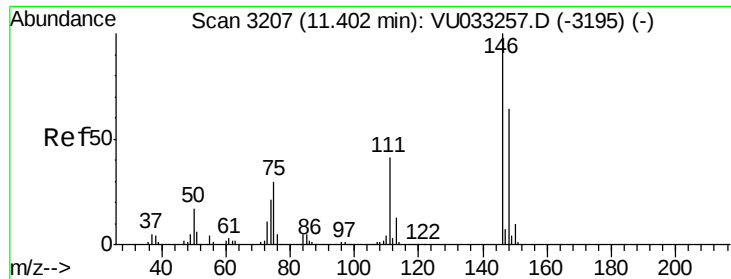
Ion Ratio Lower Upper

173 100

175 48.0 37.2 55.8

254 8.7 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 9.836 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

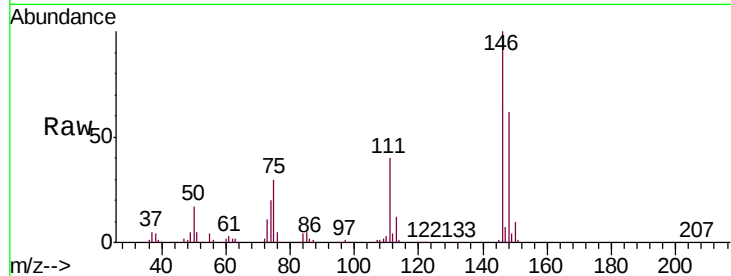
Tgt Ion:146 Resp: 235427

Ion Ratio Lower Upper

146 100

111 40.2 28.6 53.2

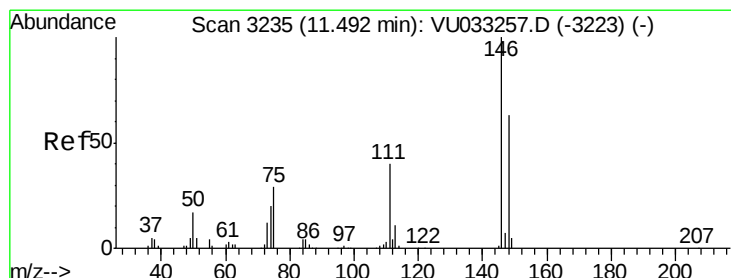
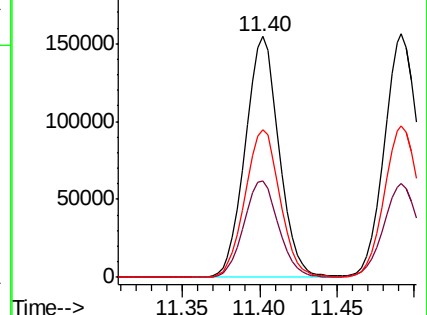
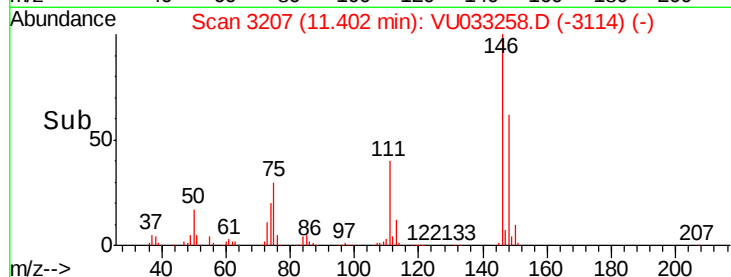
148 61.6 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.772 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

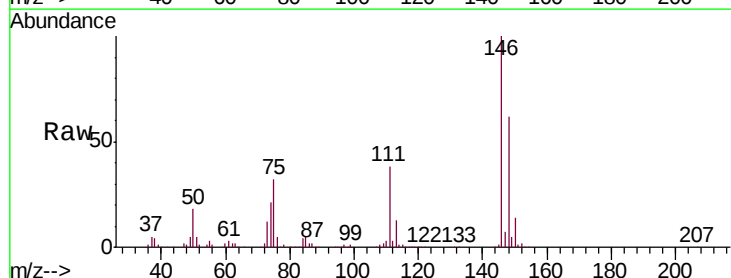
Tgt Ion:146 Resp: 244214

Ion Ratio Lower Upper

146 100

111 38.4 27.9 51.7

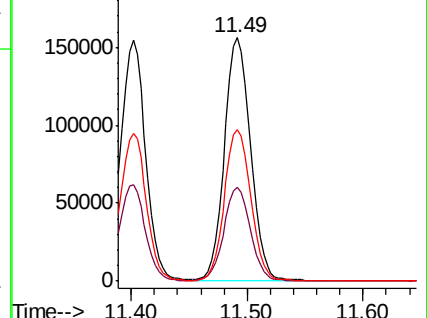
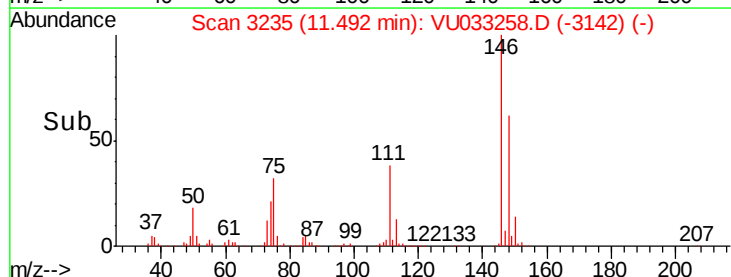
148 62.3 44.1 81.9

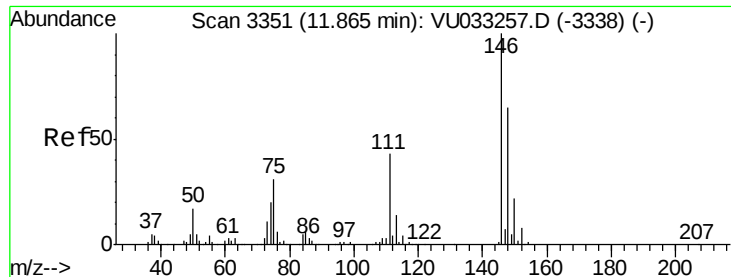


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.043 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

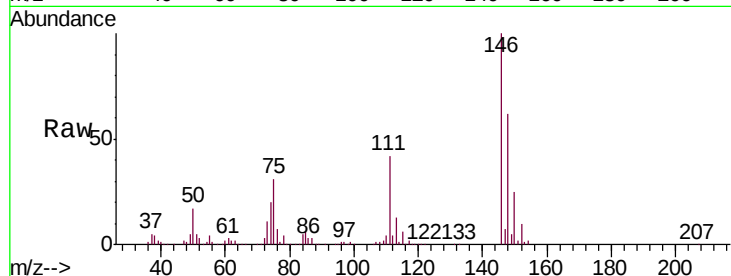
Tgt Ion:146 Resp: 235286

Ion Ratio Lower Upper

146 100

111 41.6 34.2 51.4

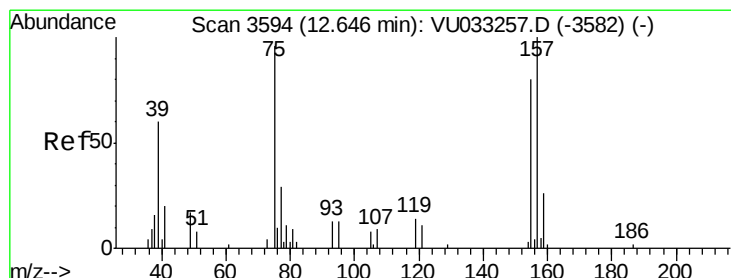
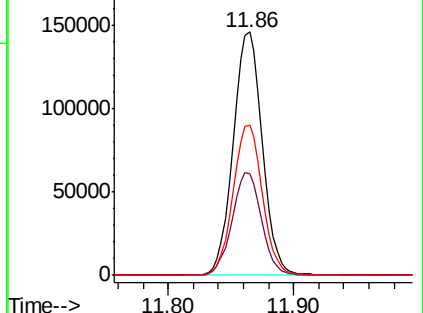
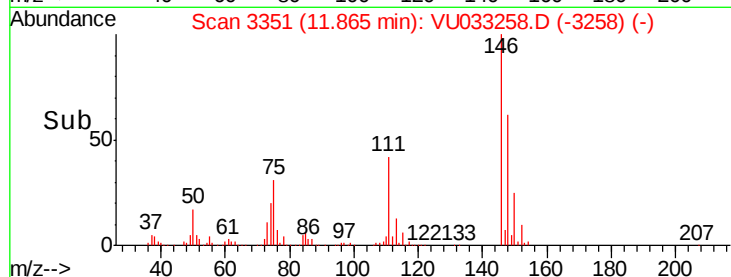
148 61.9 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.212 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

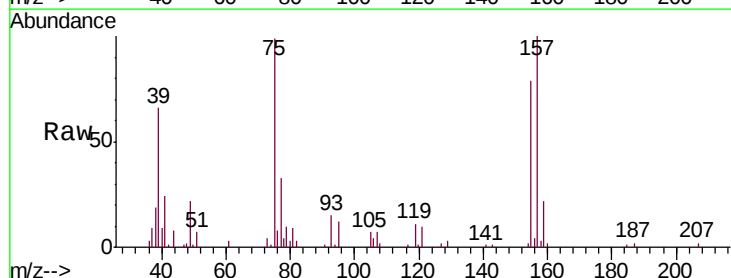
Tgt Ion: 75 Resp: 16810

Ion Ratio Lower Upper

75 100

155 79.8 67.1 100.7

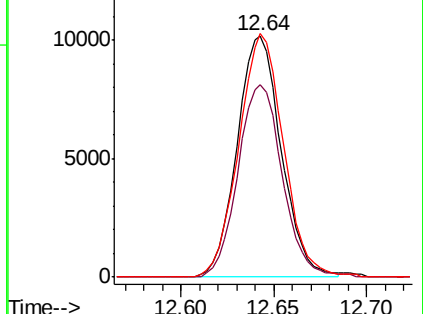
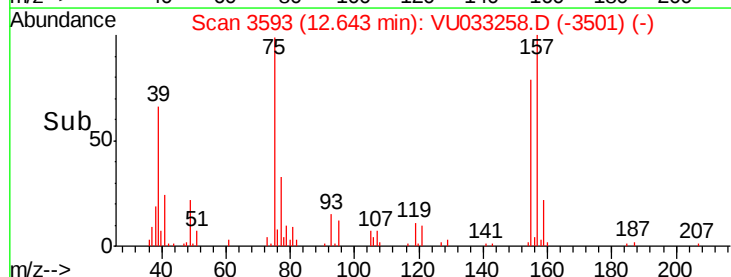
157 101.0 83.7 125.5

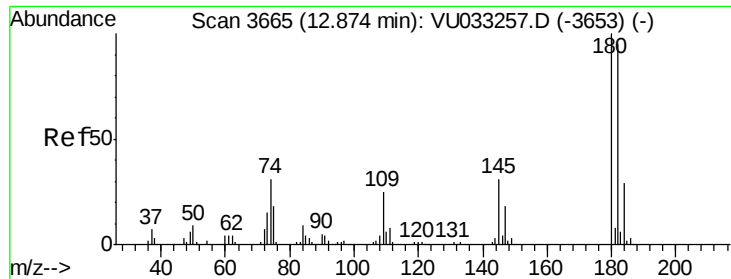


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

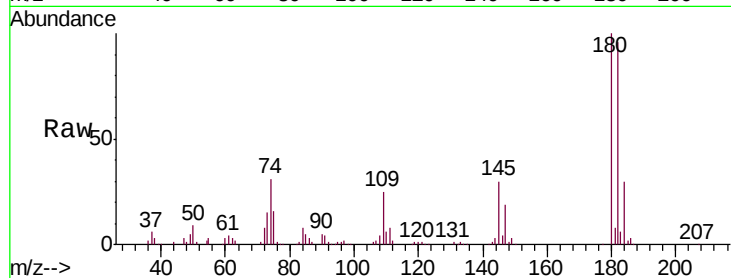




#67
 1,3,5-Trichlorobenzene
 Concen: 10.141 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033258.D
 Acq: 16 Jul 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01006

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.0	114.0
184	30.2	24.2	36.2
145	29.8	24.6	37.0



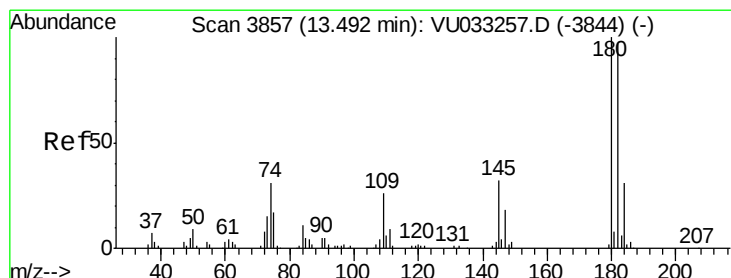
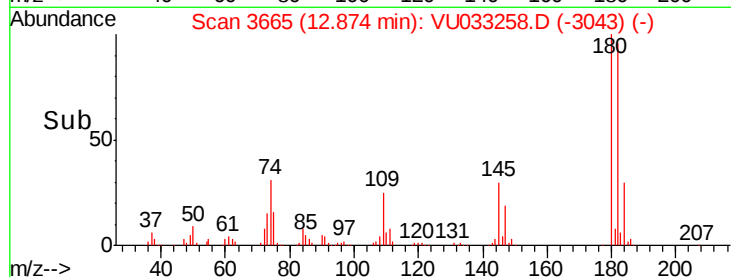
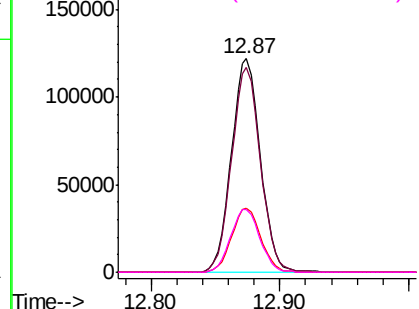
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

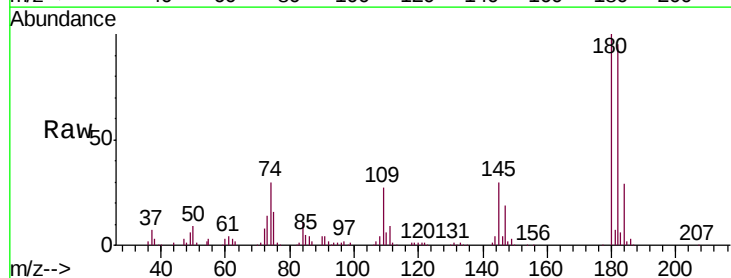
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 11.738 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033258.D
 Acq: 16 Jul 2019 10:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.3	115.9
145	30.2	24.5	36.7

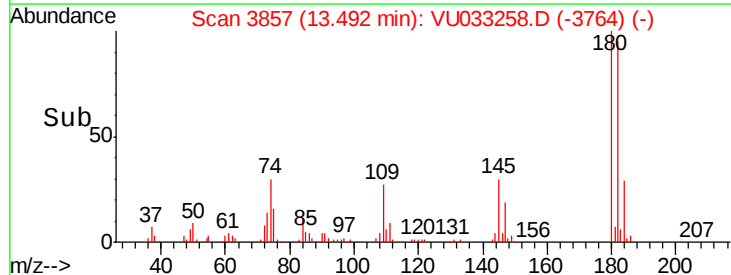
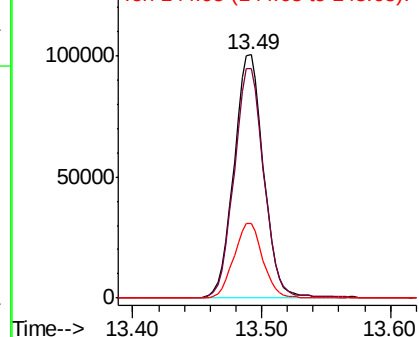


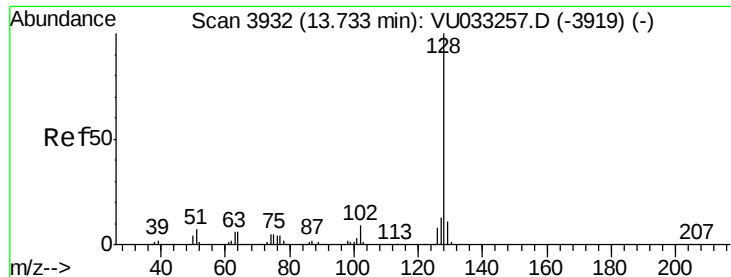
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 13.526 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD01006

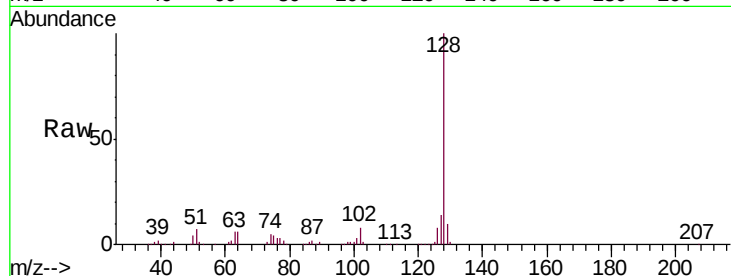
Tgt Ion:128 Resp: 281961

Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

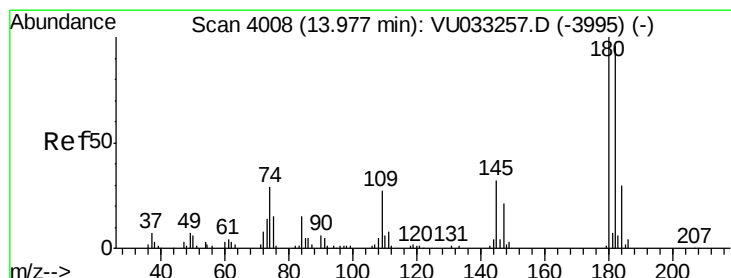
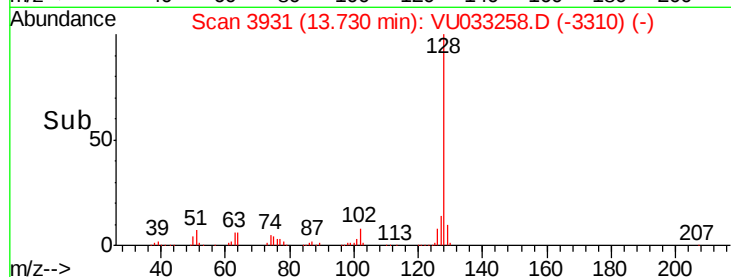
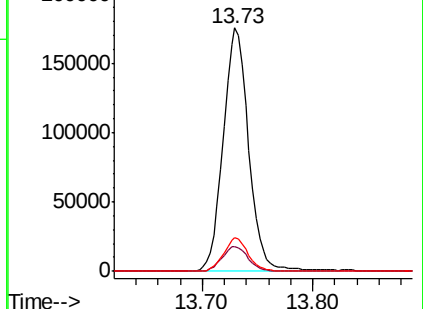
127 13.4 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 11.430 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033258.D

Acq: 16 Jul 2019 10:27

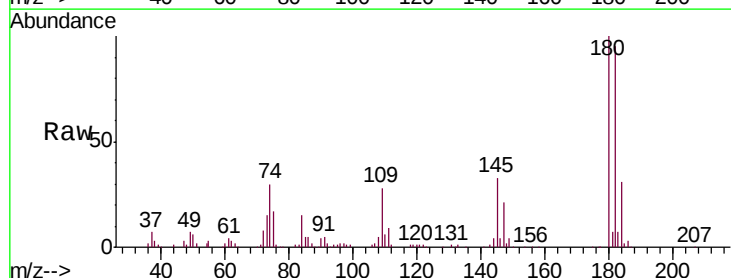
Tgt Ion:180 Resp: 148682

Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.4

145 32.8 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

