

Data File : VU034951.D
Acq On : 07 Oct 2019 10:42
Operator : JC/SP
Sample : VSTD00501
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Quant Time: Oct 09 01:55:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 01:50:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	206674	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	205054	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	105139	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58110	3.09	ug/L	0.00
7) Chloroethane-d5	1.67	69	55622	3.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	123374	3.36	ug/L	0.00
20) 2-Butanone-d5	4.18	46	173813	46.11	ug/L	0.00
24) Chloroform-d	4.62	84	107167	3.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	64426	4.09	ug/L	0.00
32) Benzene-d6	5.32	84	230470	4.22	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	76560	4.39	ug/L	0.00
41) Toluene-d8	7.54	98	228266	4.40	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	27160	3.96	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	137366	47.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	64085	4.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	83426	4.22	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	91623	5.193 ug/L	100
3) Chloromethane	1.32	50	98936	4.882 ug/L	100
5) Vinyl chloride	1.40	62	99564	4.636 ug/L	100
6) Bromomethane	1.62	94	51953	3.911 ug/L	100
8) Chloroethane	1.69	64	60368	4.394 ug/L	100
9) Trichlorofluoromethane	1.88	101	119440	4.003 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	66330	3.995 ug/L	100
12) 1,1-Dichloroethene	2.27	96	64396	4.008 ug/L	100
13) Acetone	2.32	43	139688	42.632 ug/L	100
14) Carbon disulfide	2.46	76	212974	4.093 ug/L	100
15) Methyl Acetate	2.61	43	35928	4.405 ug/L	100
16) Methylene chloride	2.68	84	73929	3.783 ug/L	100
17) Methyl tert-butyl Ether	2.99	73	173836	4.137 ug/L	100
18) trans-1,2-Dichloroethene	2.96	96	68611	3.879 ug/L	100
19) 1,1-Dichloroethane	3.42	63	137242	4.931 ug/L	100
21) 2-Butanone	4.26	43	210214	53.518 ug/L	100
22) cis-1,2-Dichloroethene	4.20	96	74511	4.792 ug/L	100
23) Bromochloromethane	4.52	128	33378	4.875 ug/L	100
25) Chloroform	4.65	83	150252	4.837 ug/L	100
27) 1,2-Dichloroethane	5.39	62	88503	4.884 ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	111003	4.766 ug/L	100
30) Cyclohexane	4.97	56	122785	5.597 ug/L	100
31) Carbon tetrachloride	5.11	117	98285	4.806 ug/L	100
33) Benzene	5.36	78	300206	5.163 ug/L	100
34) Trichloroethene	6.16	95	77273	5.025 ug/L	100
35) Methylcyclohexane	6.39	83	125412	5.336 ug/L	100
37) 1,2-Dichloropropane	6.41	63	80384	5.113 ug/L	100
38) Bromodichloromethane	6.74	83	93673	4.742 ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	109200	4.903 ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	500844	54.938 ug/L	100

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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 01:50:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	322203	5.175	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	86018	4.832	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	53859	4.846	ug/L	100
47) Tetrachloroethene	8.21	164	61606	4.990	ug/L	100
48) 2-Hexanone	8.35	43	354322	53.701	ug/L	100
49) Dibromochloromethane	8.46	129	63525	4.787	ug/L	100
50) 1,2-Dibromoethane	8.57	107	51529	4.863	ug/L	100
51) Chlorobenzene	9.10	112	201735	4.961	ug/L	100
52) Ethylbenzene	9.23	91	350445	5.238	ug/L	100
53) m,p-Xylene	9.35	106	130492	5.205	ug/L	100
54) o-Xylene	9.76	106	126700	5.281	ug/L	100
55) Styrene	9.77	104	209697	5.074	ug/L	100
56) Isopropylbenzene	10.14	105	337010	5.266	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	71821	5.025	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	51191	5.025	ug/L	100
61) Bromoform	9.94	173	33473	4.745	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	157388	5.018	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	156779	4.788	ug/L	100
65) 1,2-Dichlorobenzene	11.85	146	152083	4.904	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	10222	4.444	ug/L	100
67) 1,3,5-Trichlorobenzene	12.86	180	109081	4.520	ug/L	100
68) 1,2,4-trichlorobenzene	13.48	180	81004	4.237	ug/L	100
69) Naphthalene	13.72	128	120564	3.785	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	77968	4.330	ug/L	100

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

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

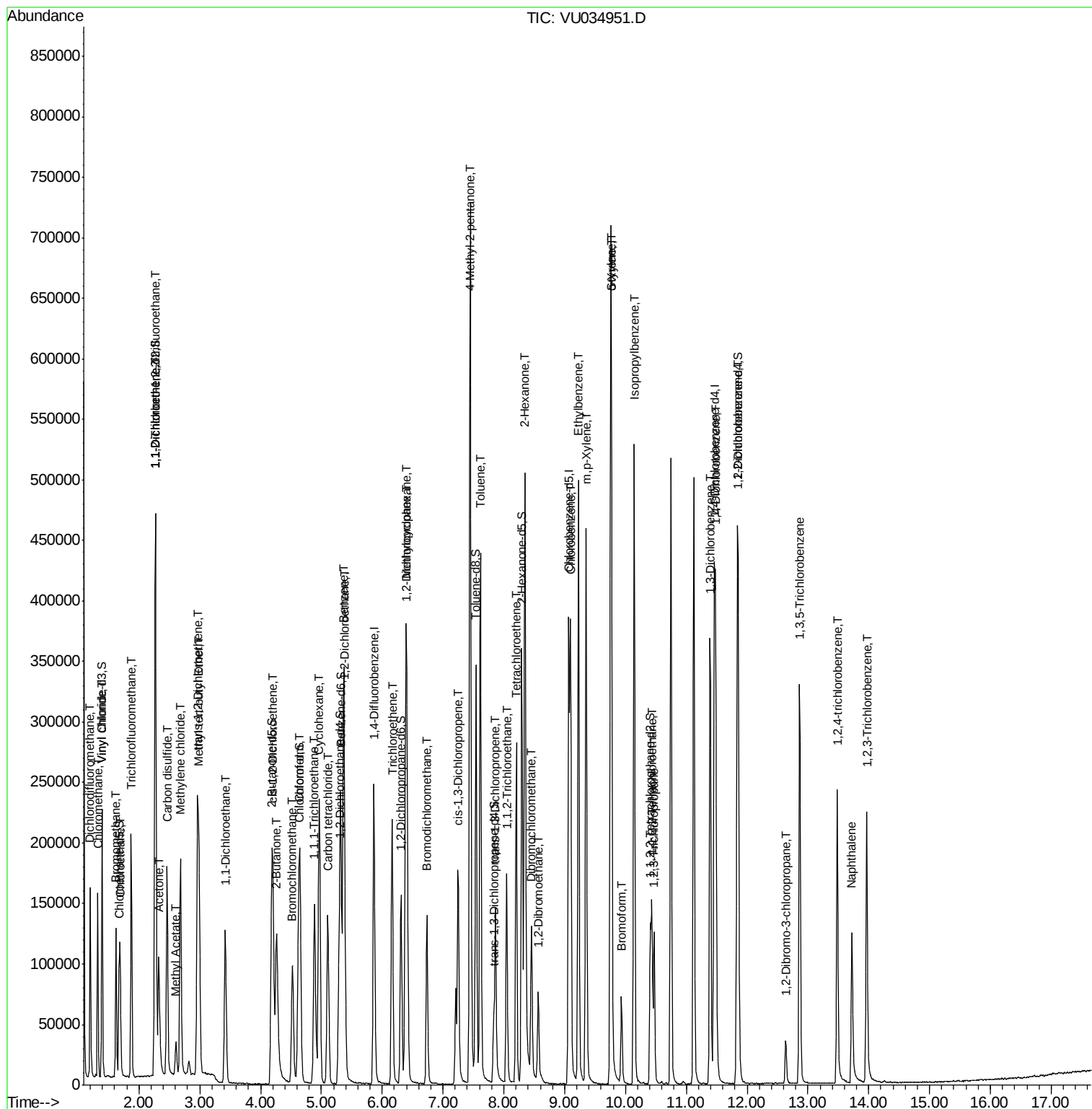
Quant Time: Oct 09 01:55:00 2019

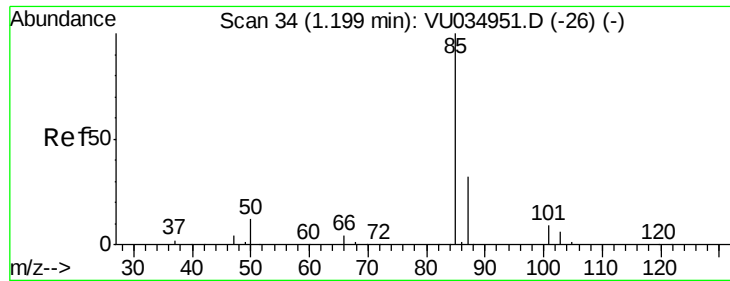
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR100719WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Oct 09 01:50:37 2019

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#2

Dichlorodifluoromethane

Concen: 5.193 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

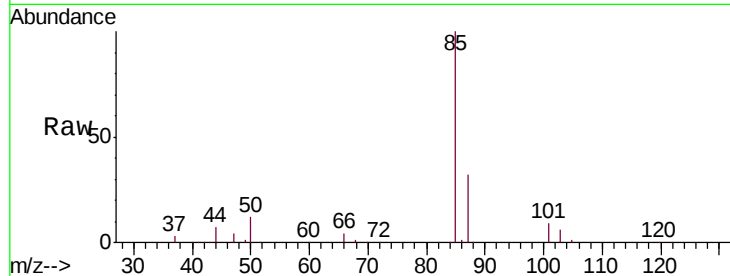
VSTD00501

Tgt Ion: 85 Resp: 91623

Ion Ratio Lower Upper

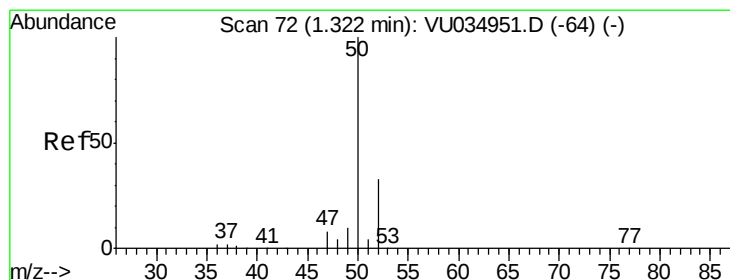
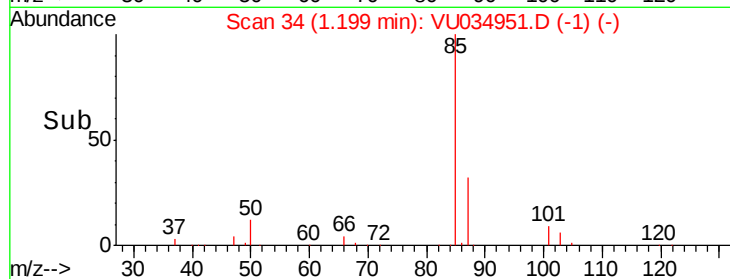
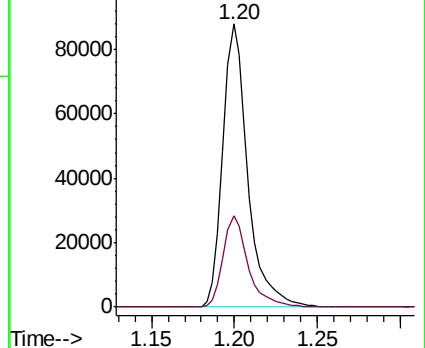
85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU034951.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034951.D (-26) (-)



#3

Chloromethane

Concen: 4.882 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034951.D

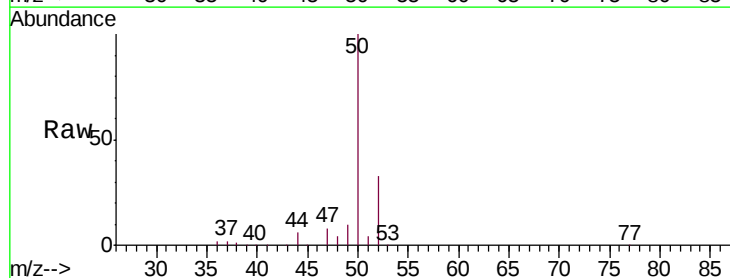
Acq: 07 Oct 2019 10:42

Tgt Ion: 50 Resp: 98936

Ion Ratio Lower Upper

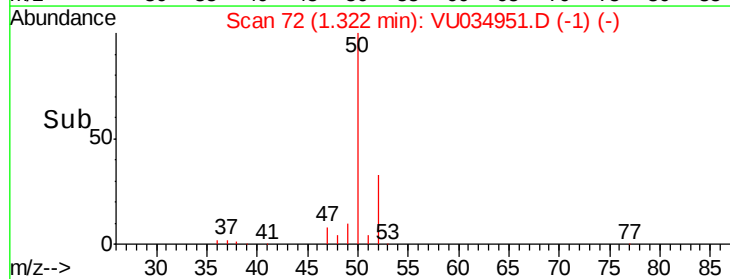
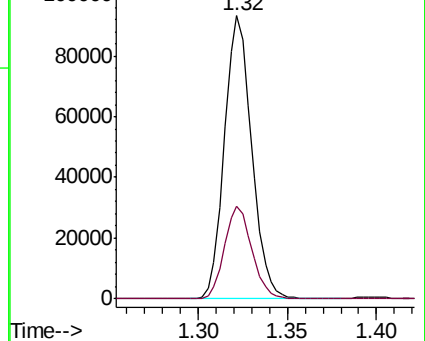
50 100

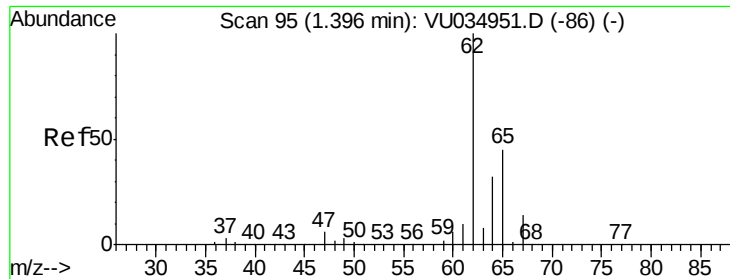
52 32.8 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU034951.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU034951.D (-64) (-)





#5

Vinyl chloride

Concen: 4.636 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampled :

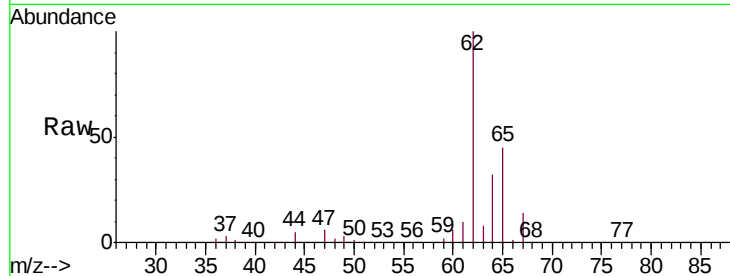
VSTD00501

Tgt Ion: 62 Resp: 99564

Ion Ratio Lower Upper

62 100

64 31.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU034951.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034951.D (-86) (-)

1.40

100000

80000

60000

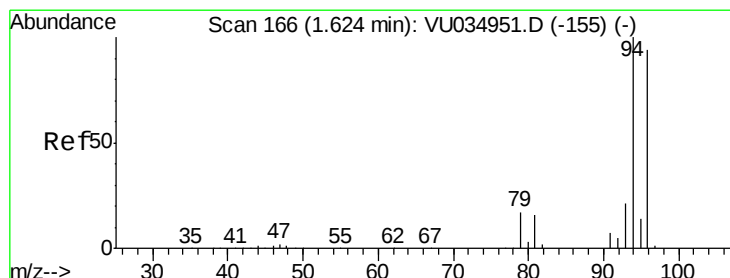
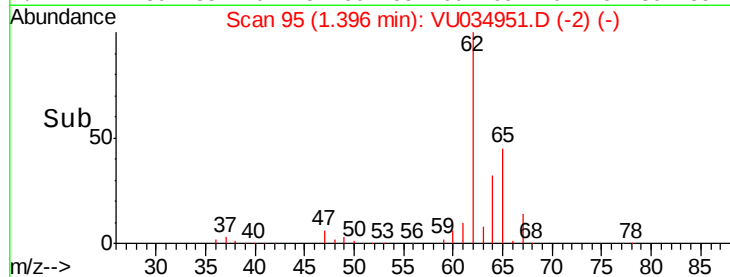
40000

20000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 3.911 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034951.D

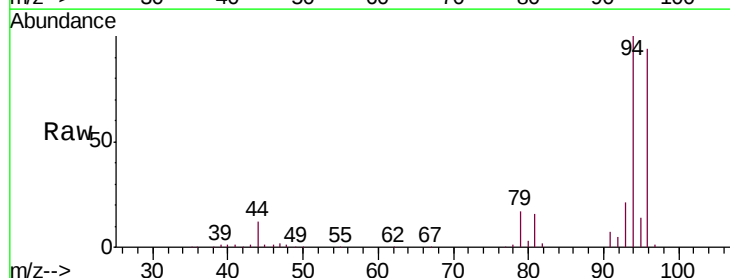
Acq: 07 Oct 2019 10:42

Tgt Ion: 94 Resp: 51953

Ion Ratio Lower Upper

94 100

96 93.7 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU034951.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034951.D (-155) (-)

1.62

50000

40000

30000

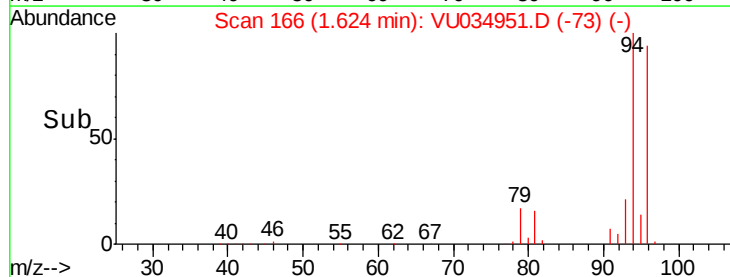
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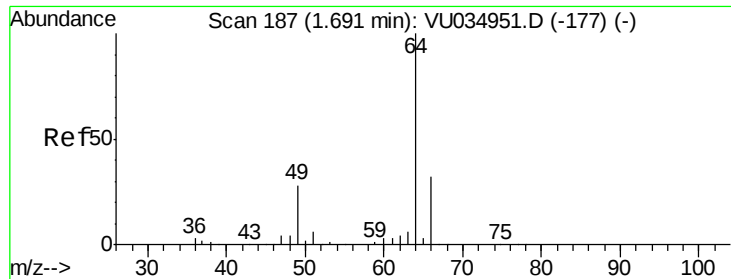
10000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 4.394 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

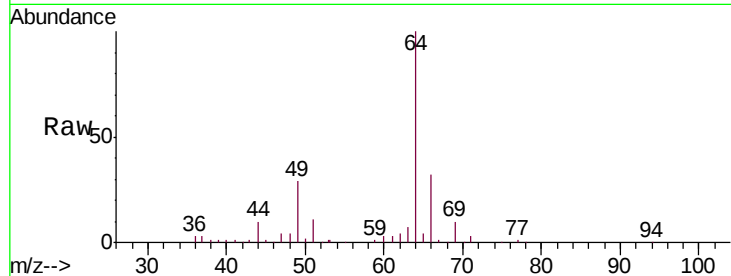
VSTD00501

Tgt Ion: 64 Resp: 60368

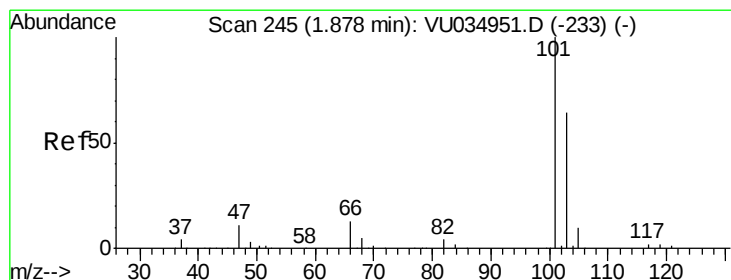
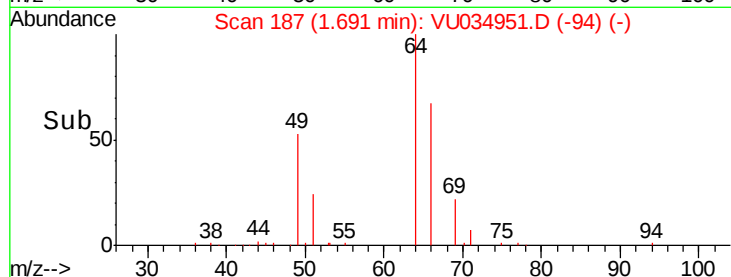
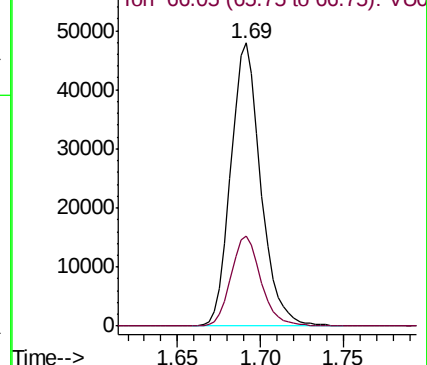
Ion Ratio Lower Upper

64 100

66 32.0 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VU034951.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 4.003 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034951.D

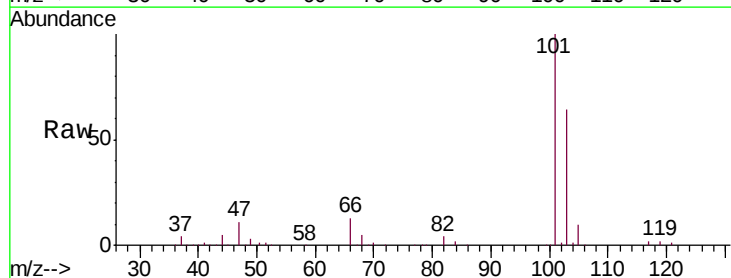
Acq: 07 Oct 2019 10:42

Tgt Ion: 101 Resp: 119440

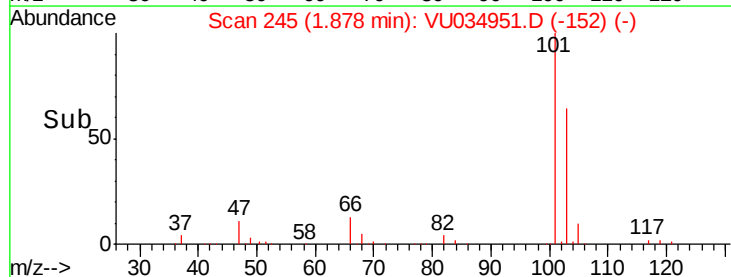
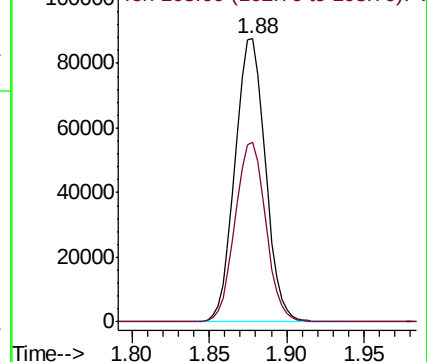
Ion Ratio Lower Upper

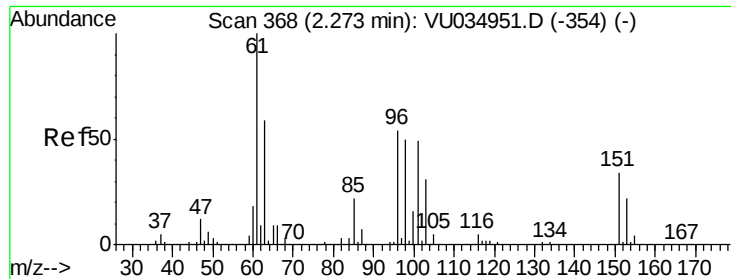
101 100

103 64.0 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU034951.D (-233) (-)





#10

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

Concen: 3.995 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

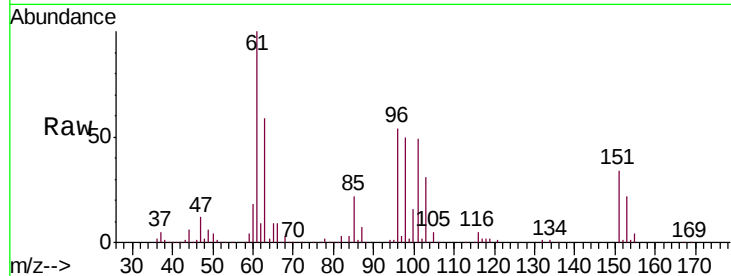
Tgt Ion:101 Resp: 66330

Ion Ratio Lower Upper

101 100

85 45.9 36.7 55.1

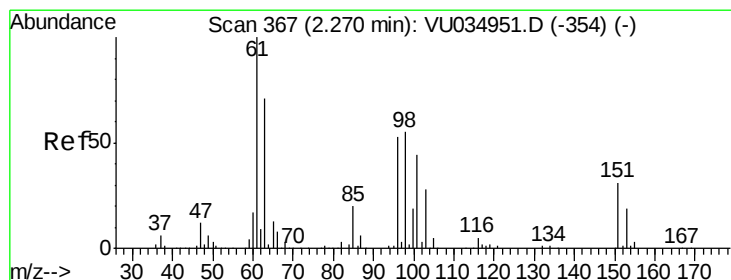
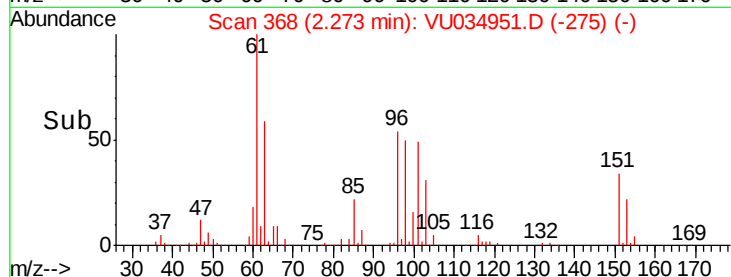
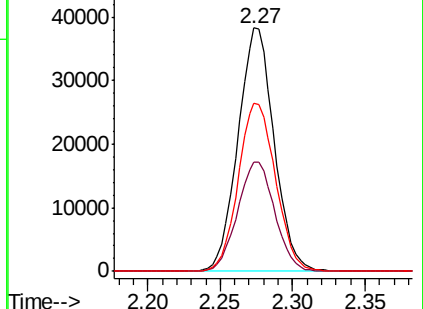
151 71.1 56.9 85.3



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: 4.008 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

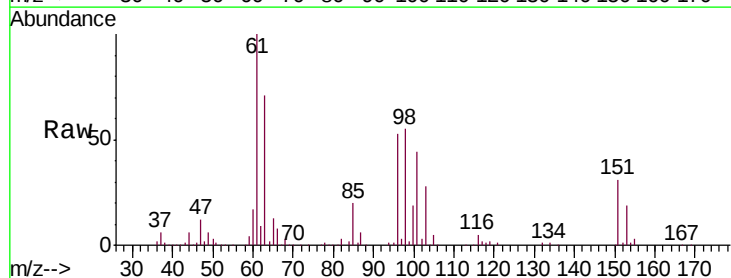
Tgt Ion: 96 Resp: 64396

Ion Ratio Lower Upper

96 100

61 189.4 132.6 246.2

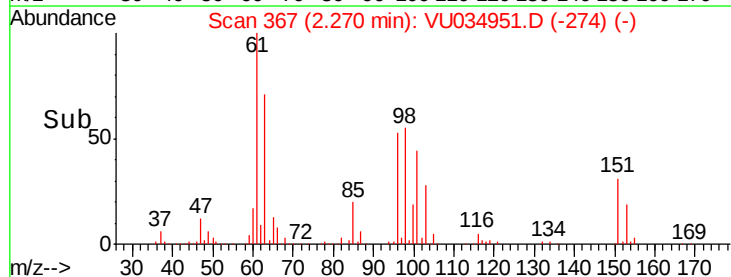
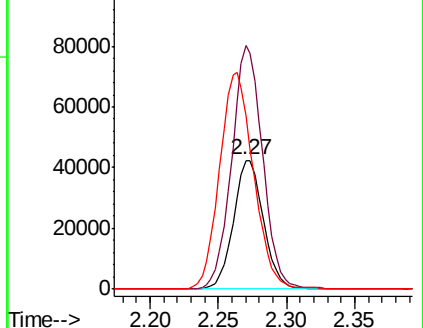
63 134.7 94.3 175.1

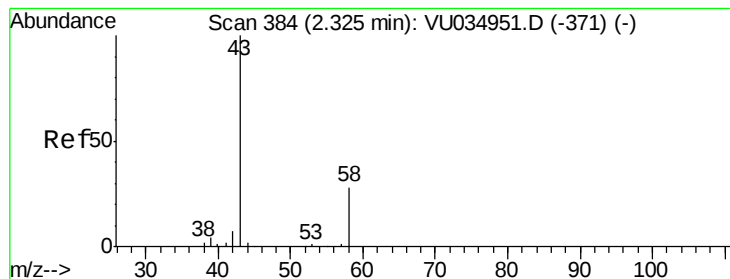


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.632 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

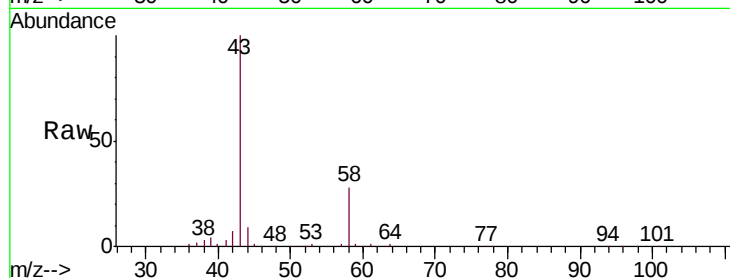
VSTD00501

Tgt Ion: 43 Resp: 139688

Ion Ratio Lower Upper

43 100

58 30.4 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU034951.D (-371) (-)

Ion 58.05 (57.75 to 58.75): VU034951.D (-371) (-)

2.32

60000

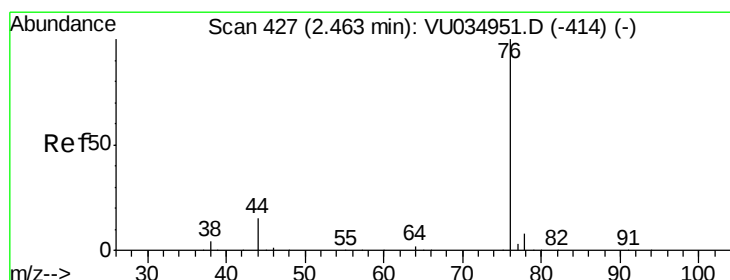
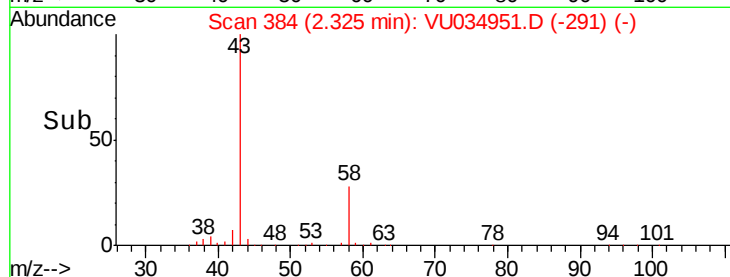
40000

20000

0

Time-->

2.30 2.40



#14

Carbon disulfide

Concen: 4.093 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034951.D

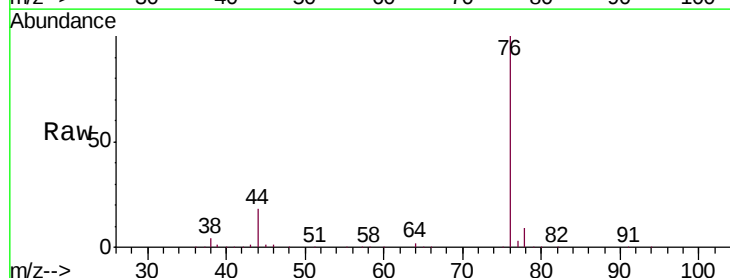
Acq: 07 Oct 2019 10:42

Tgt Ion: 76 Resp: 212974

Ion Ratio Lower Upper

76 100

78 8.6 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU034951.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034951.D (-414) (-)

150000

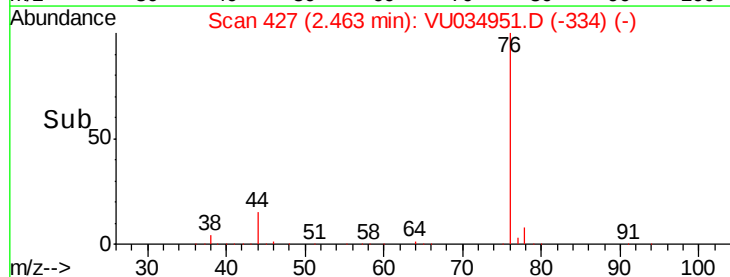
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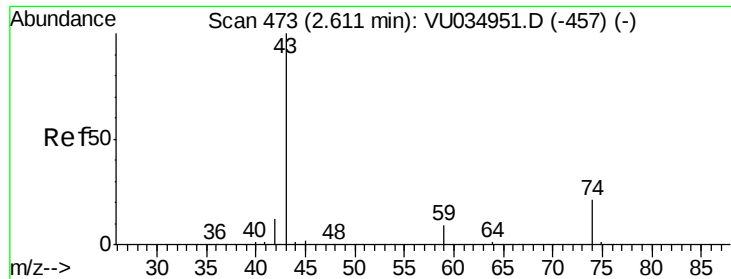
50000

0

Time-->

2.40 2.45 2.50 2.55

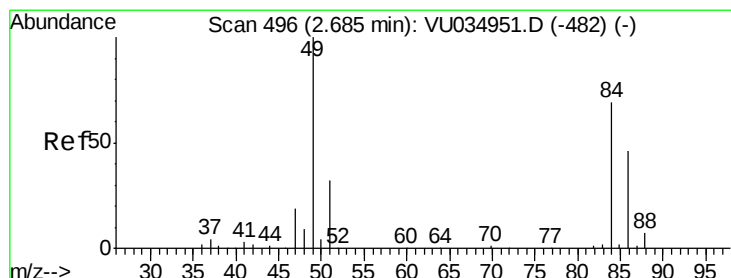
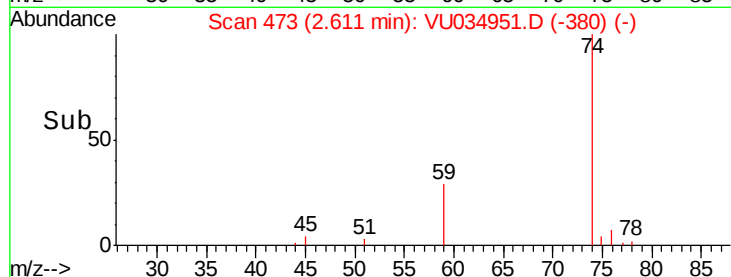
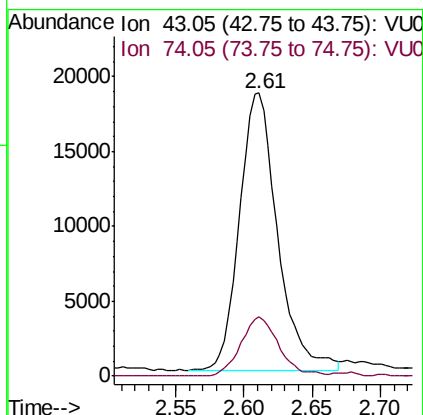
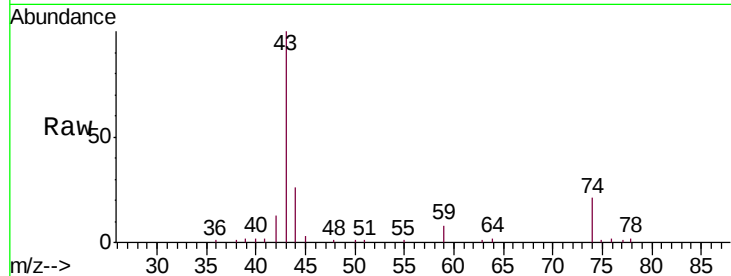




#15
Methyl Acetate
Concen: 4.405 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU034951.D
Acq: 07 Oct 2019 10:42

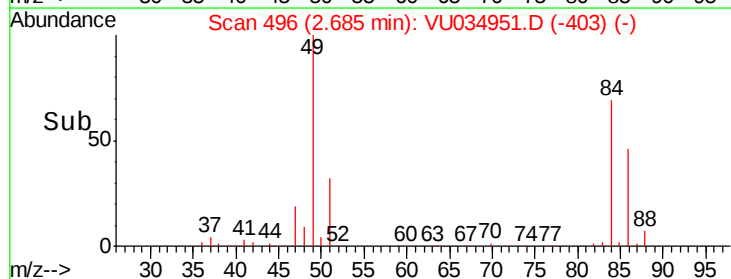
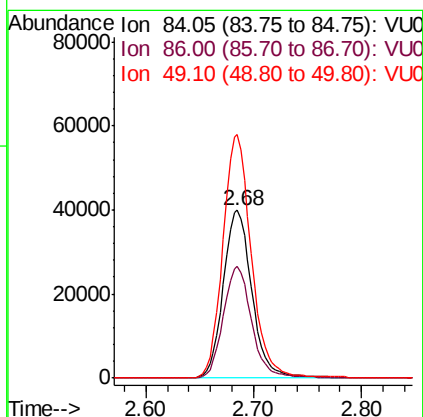
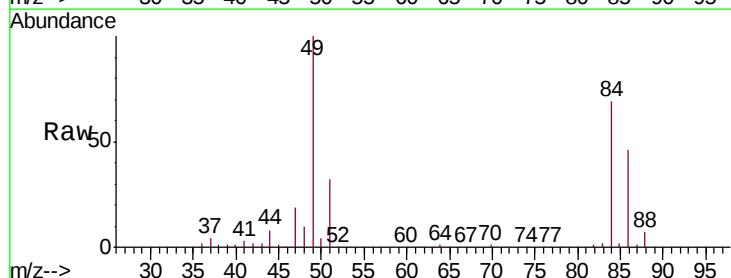
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

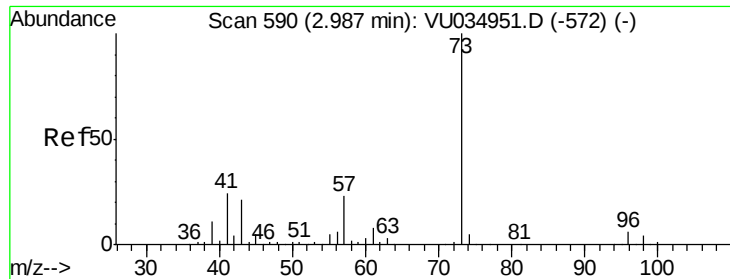
Tgt Ion: 43 Resp: 35928
Ion Ratio Lower Upper
43 100
74 21.2 17.0 25.4



#16
Methylene chloride
Concen: 3.783 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034951.D
Acq: 07 Oct 2019 10:42

Tgt Ion: 84 Resp: 73929
Ion Ratio Lower Upper
84 100
86 66.2 46.3 86.1
49 144.9 101.4 188.4

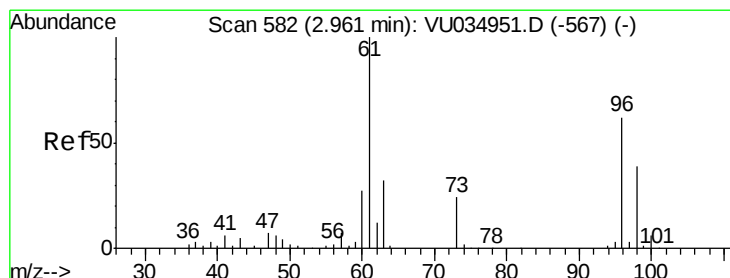
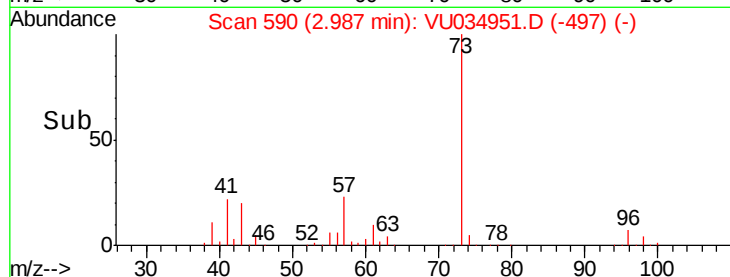
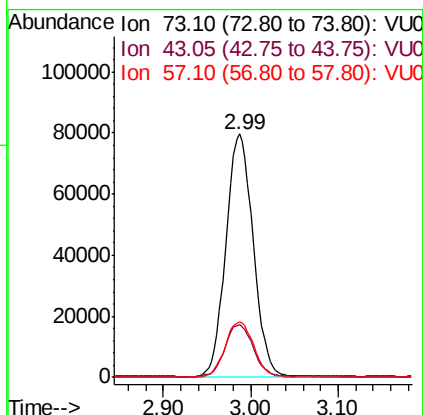
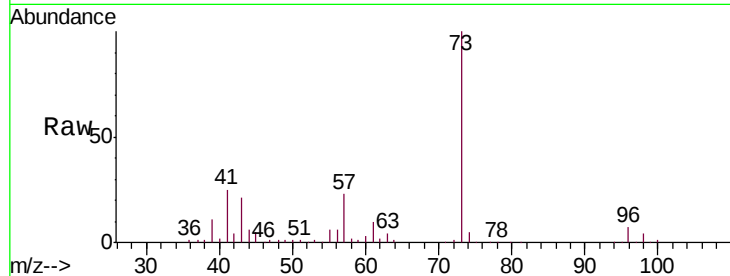




#17
Methyl tert-butyl Ether
Concen: 4.137 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU034951.D
Acq: 07 Oct 2019 10:42

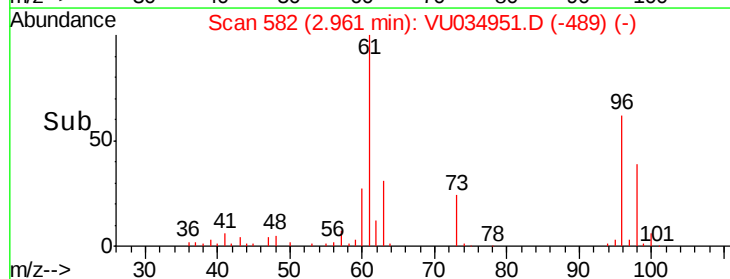
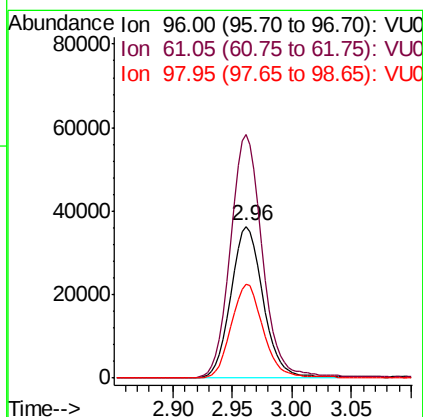
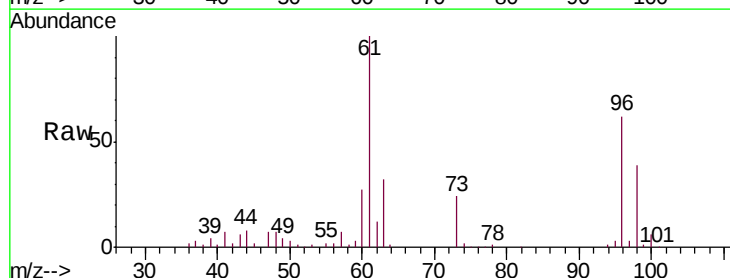
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

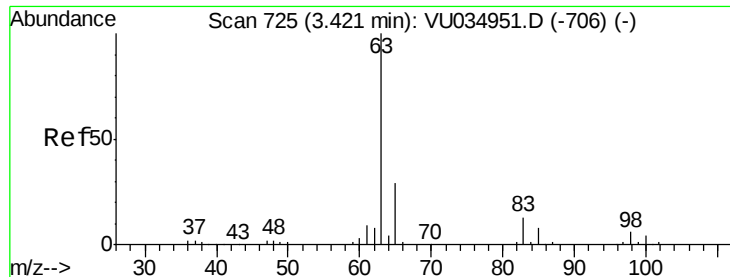
Tgt Ion: 73 Resp: 173836
Ion Ratio Lower Upper
73 100
43 21.7 17.4 26.0
57 24.0 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 3.879 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU034951.D
Acq: 07 Oct 2019 10:42

Tgt Ion: 96 Resp: 68611
Ion Ratio Lower Upper
96 100
61 160.5 112.3 208.7
98 62.2 43.5 80.9

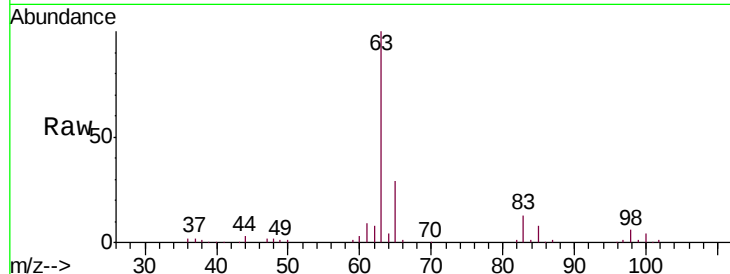




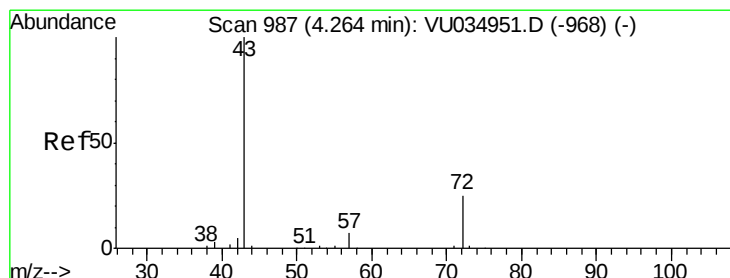
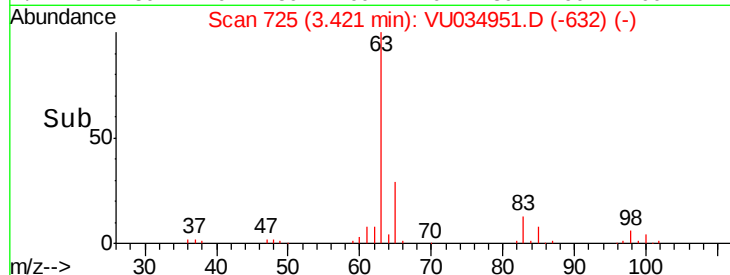
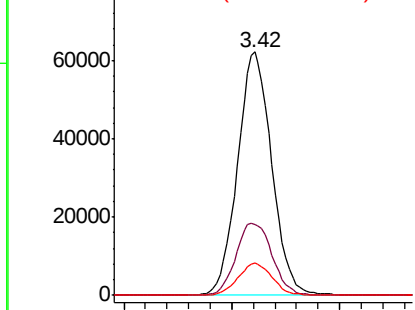
#19
 1,1-Dichloroethane
 Concen: 4.931 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion: 63 Resp: 137242
 Ion Ratio Lower Upper
 63 100
 65 29.2 20.4 38.0
 83 13.3 9.3 17.3

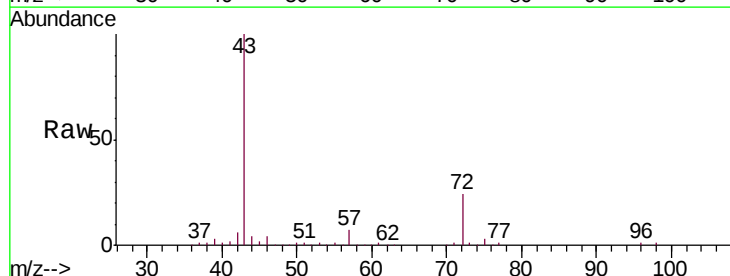


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

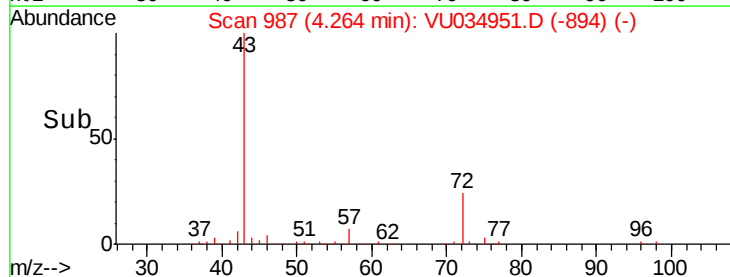
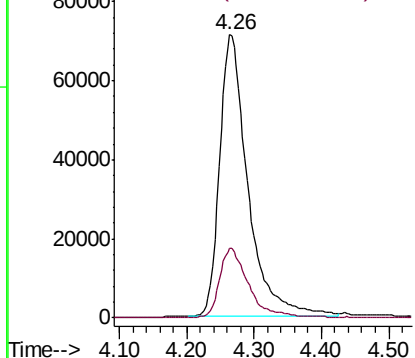


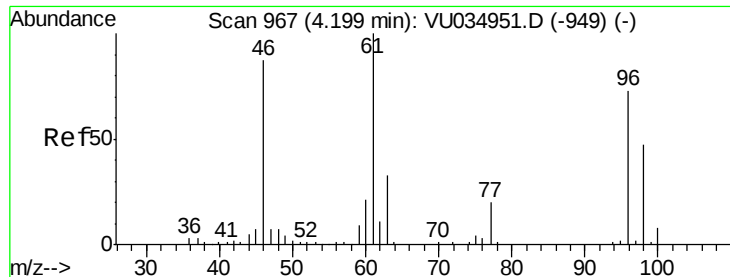
#21
 2-Butanone
 Concen: 53.518 ug/L
 RT: 4.26 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

Tgt Ion: 43 Resp: 210214
 Ion Ratio Lower Upper
 43 100
 72 24.0 12.0 36.0



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



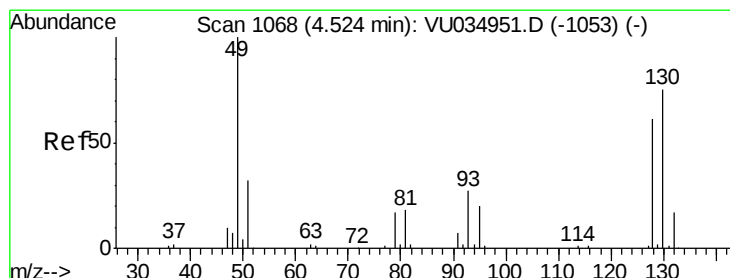
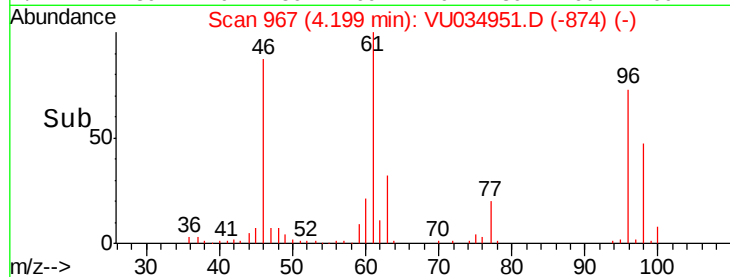
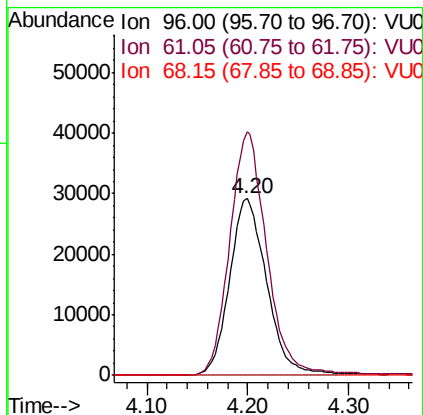
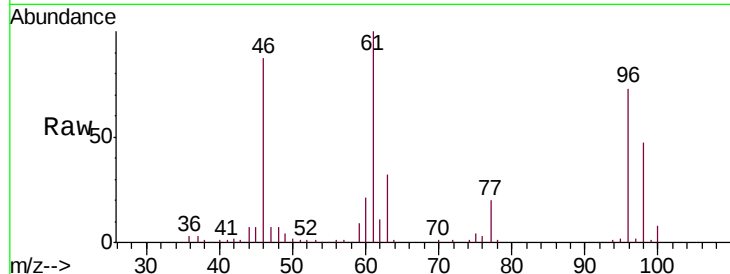


#22

cis-1,2-Dichloroethene
Concen: 4.792 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034951.D
Acq: 07 Oct 2019 10:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

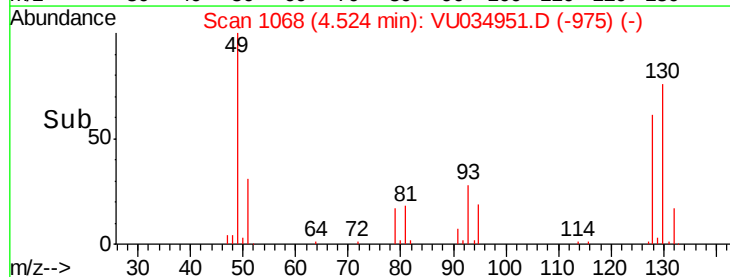
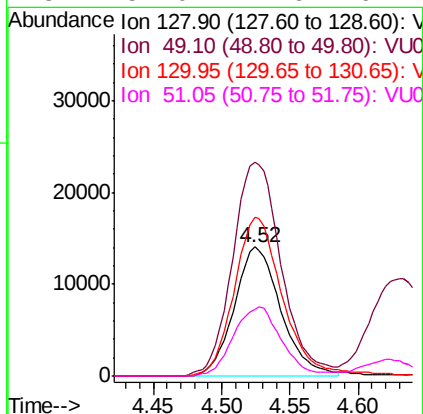
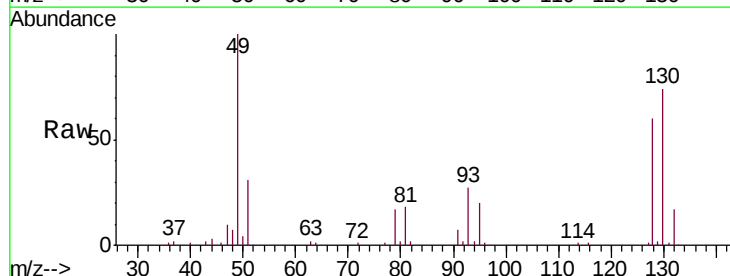
Tgt Ion: 96 Resp: 74511
Ion Ratio Lower Upper
96 100
61 137.7 96.4 179.0
68 0.0 0.0 0.0

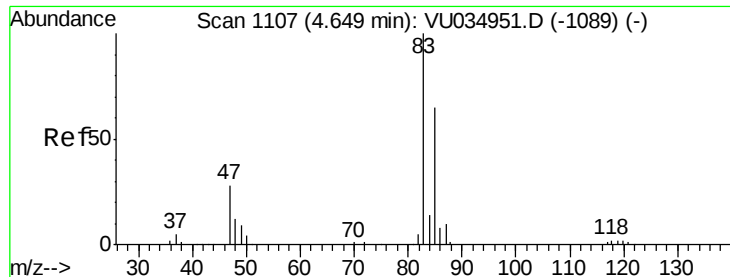


#23

Bromochloromethane
Concen: 4.875 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034951.D
Acq: 07 Oct 2019 10:42

Tgt Ion: 128 Resp: 33378
Ion Ratio Lower Upper
128 100
49 165.7 116.0 215.4
130 123.4 86.4 160.4
51 52.0 41.6 62.4

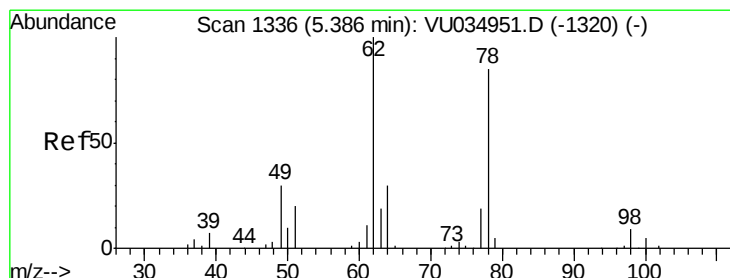
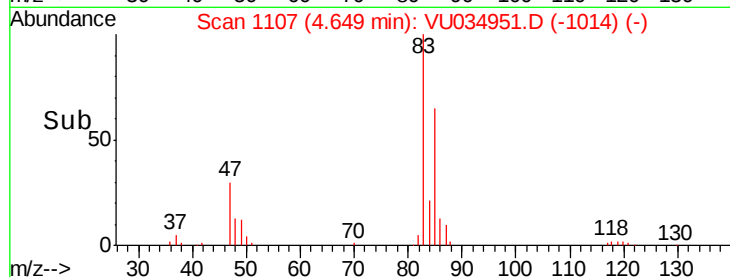
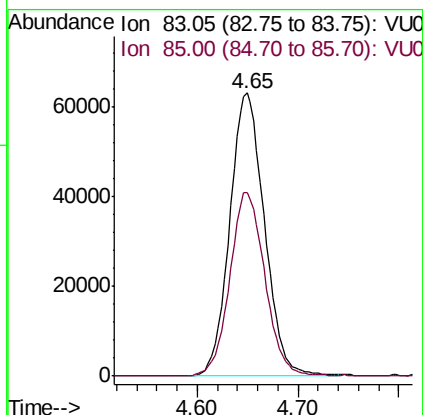
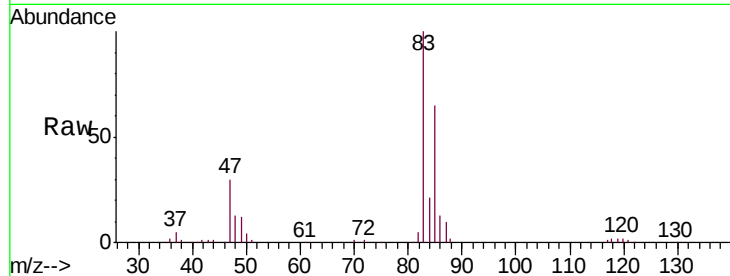




#25
Chloroform
Concen: 4.837 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034951.D
Acq: 07 Oct 2019 10:42

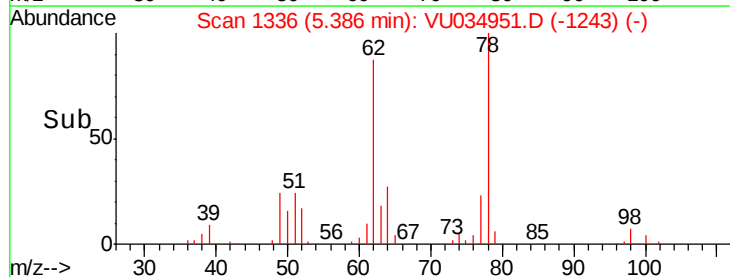
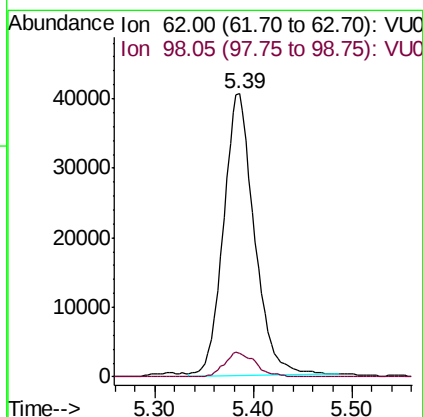
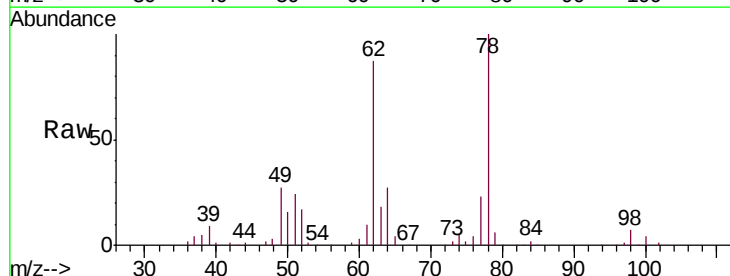
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

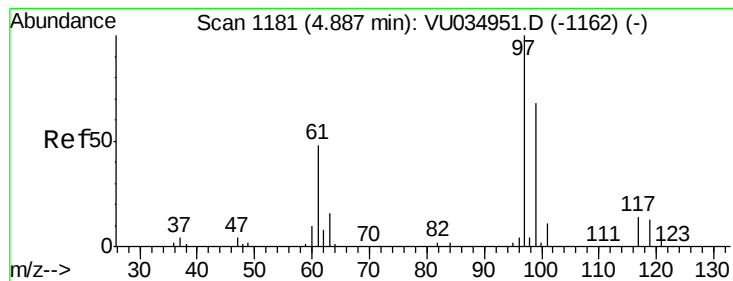
Tgt Ion: 83 Resp: 150252
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.884 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034951.D
Acq: 07 Oct 2019 10:42

Tgt Ion: 62 Resp: 88503
Ion Ratio Lower Upper
62 100
98 8.5 6.8 10.2





#29

1,1,1-Trichloroethane

Concen: 4.766 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

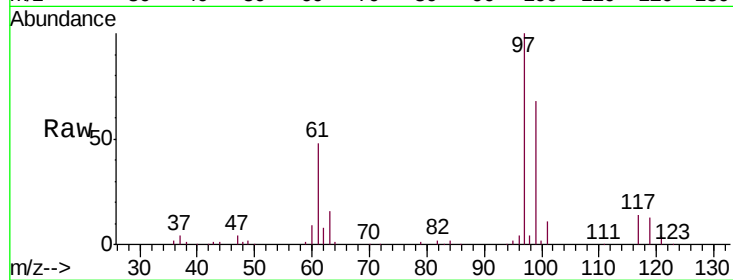
Tgt Ion: 97 Resp: 111003

Ion Ratio Lower Upper

97 100

99 65.4 52.3 78.5

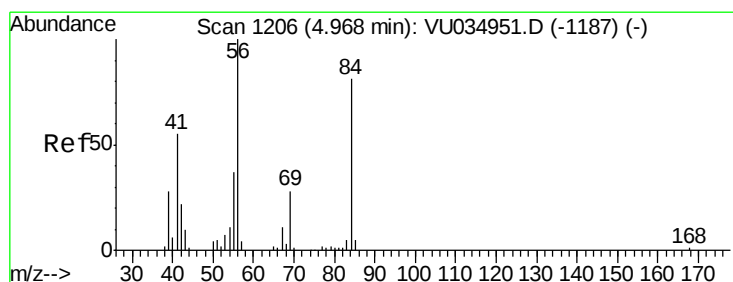
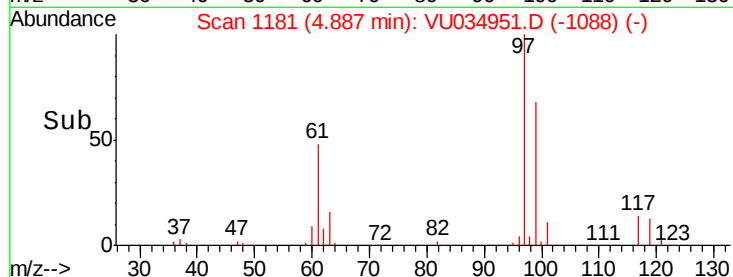
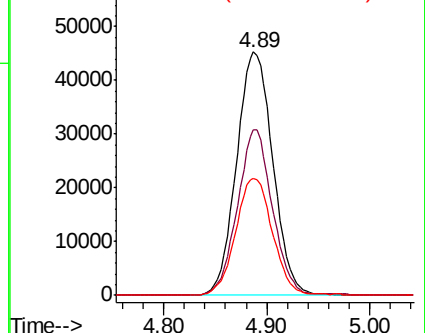
61 48.7 39.0 58.4



Abundance Ion 96.95 (96.65 to 97.65): VU034951.D (-1162) (-)

Ion 99.05 (98.75 to 99.75): VU034951.D (-1162) (-)

Ion 61.05 (60.75 to 61.75): VU034951.D (-1162) (-)



#30

Cyclohexane

Concen: 5.597 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

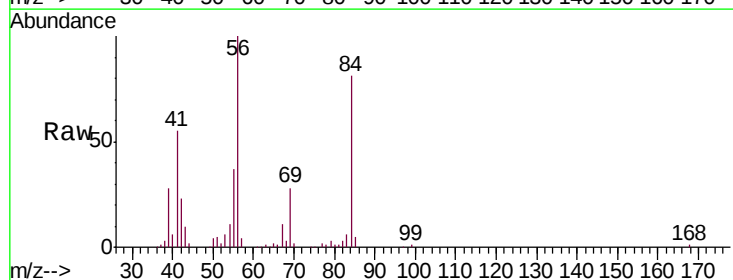
Tgt Ion: 56 Resp: 122785

Ion Ratio Lower Upper

56 100

69 29.2 23.4 35.0

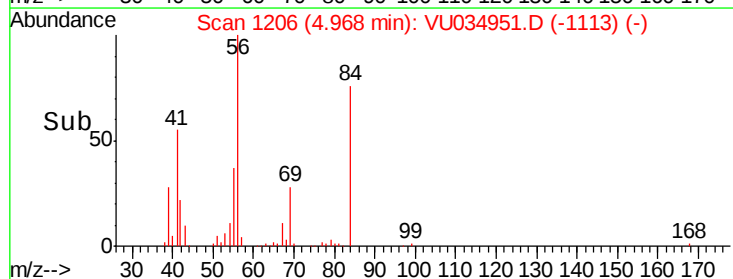
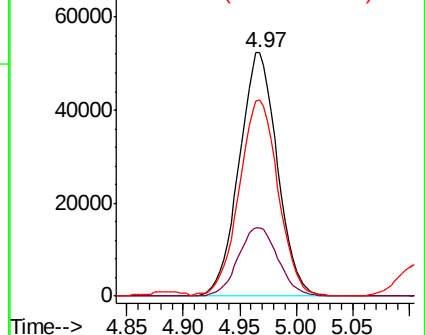
84 82.7 66.2 99.2

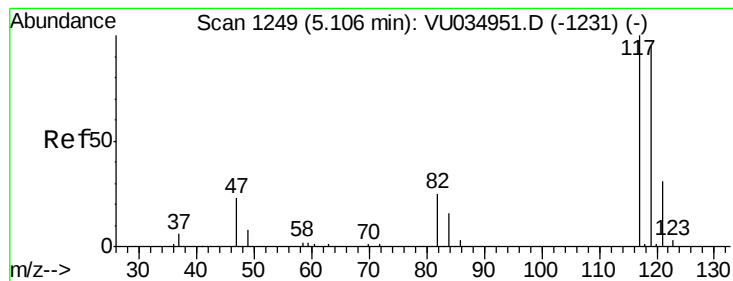


Abundance Ion 56.10 (55.80 to 56.80): VU034951.D (-1187) (-)

Ion 69.15 (68.85 to 69.85): VU034951.D (-1187) (-)

Ion 84.15 (83.85 to 84.85): VU034951.D (-1187) (-)





#31

Carbon tetrachloride

Concen: 4.806 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

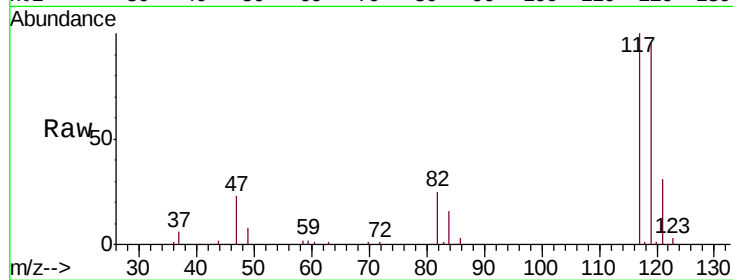
VSTD00501

Tgt Ion:117 Resp: 98285

Ion Ratio Lower Upper

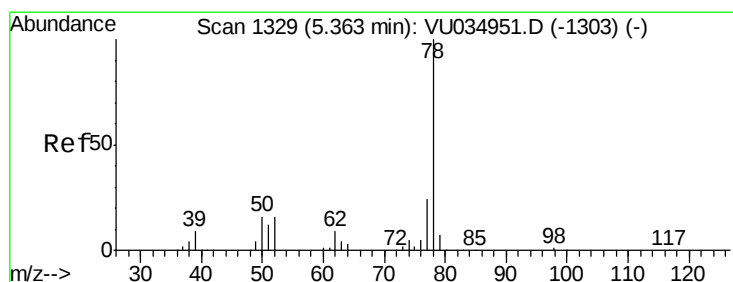
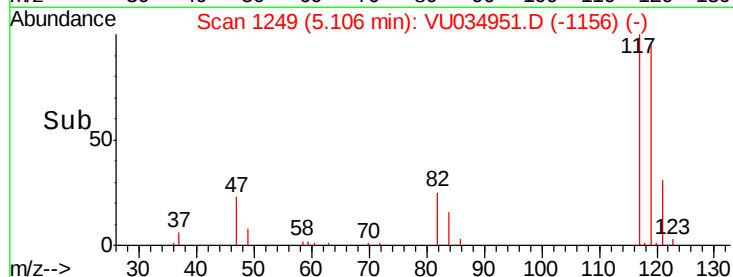
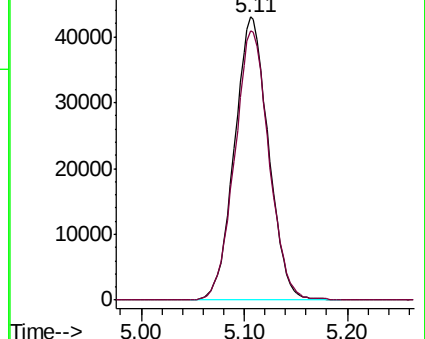
117 100

119 96.3 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.163 ug/L

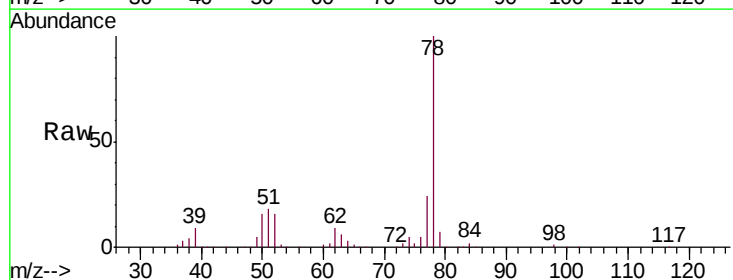
RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

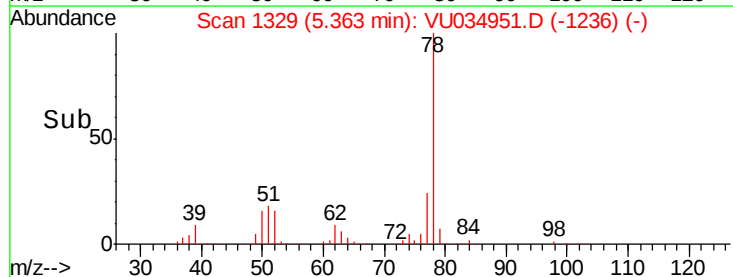
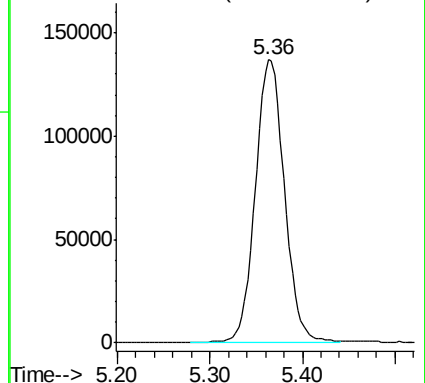
Lab File: VU034951.D

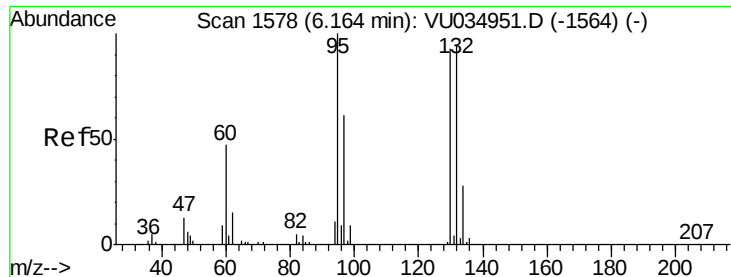
Acq: 07 Oct 2019 10:42

Tgt Ion: 78 Resp: 300206



Abundance Ion 78.10 (77.80 to 78.80): VU0

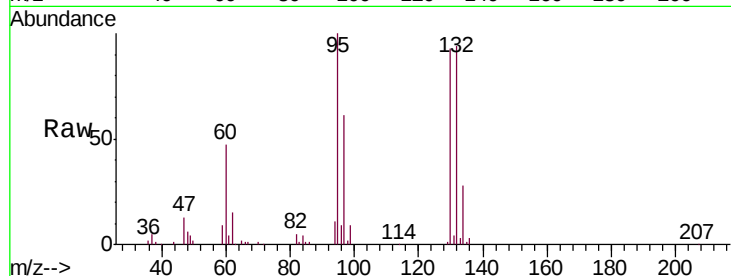




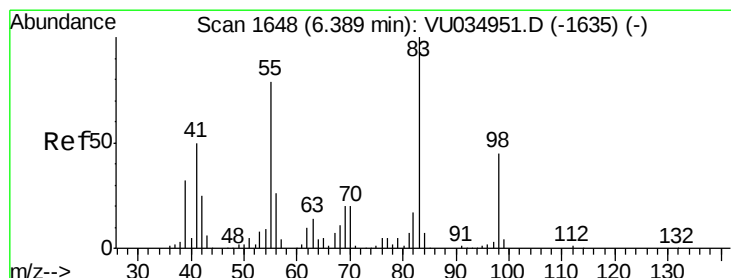
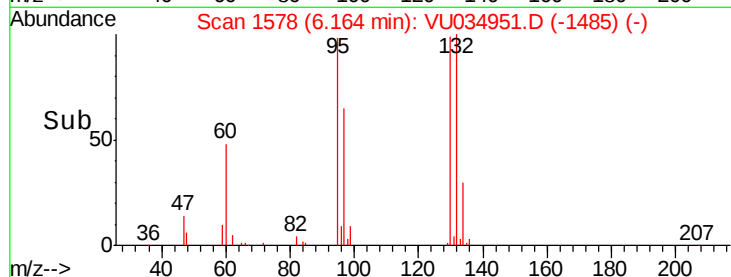
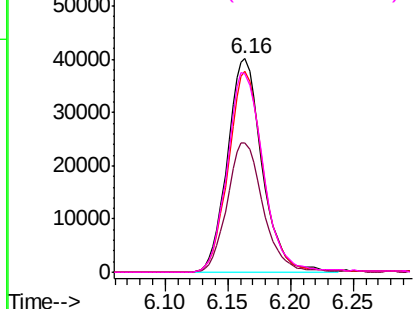
#34
 Trichloroethene
 Concen: 5.025 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion: 95 Resp: 77273
 Ion Ratio Lower Upper
 95 100
 97 60.7 42.5 78.9
 132 94.0 65.8 122.2
 130 92.9 65.0 120.8

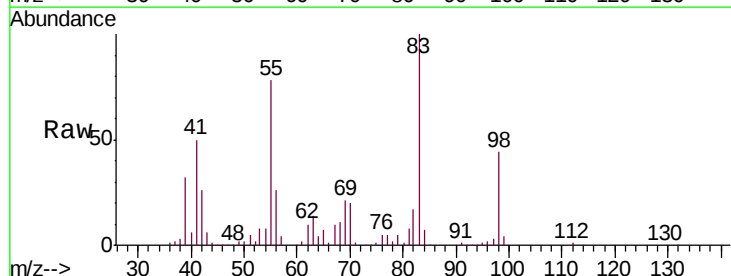


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

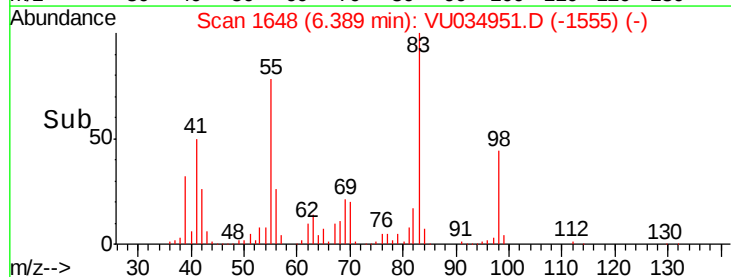
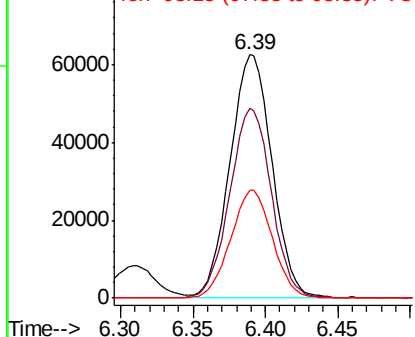


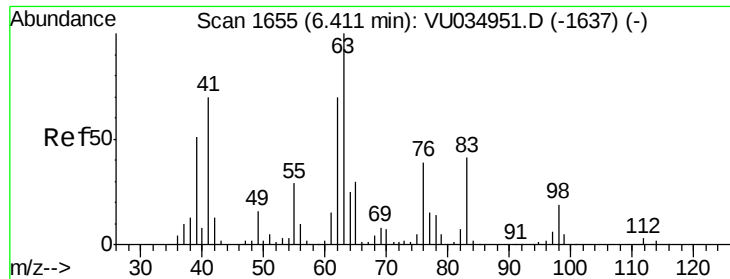
#35
 Methylcyclohexane
 Concen: 5.336 ug/L
 RT: 6.39 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

Tgt Ion: 83 Resp: 125412
 Ion Ratio Lower Upper
 83 100
 55 78.0 62.4 93.6
 98 44.4 35.5 53.3



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

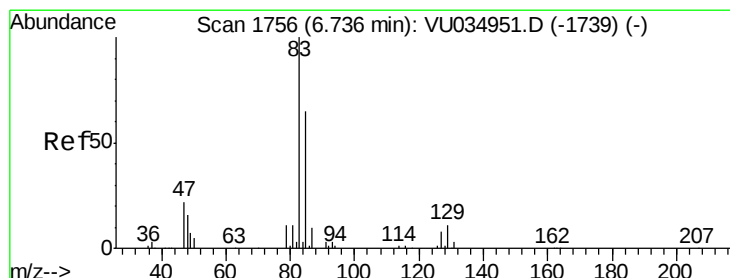
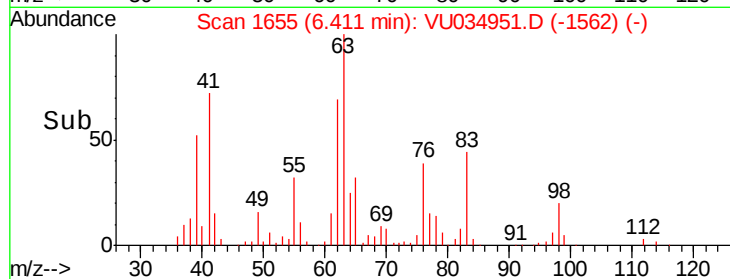
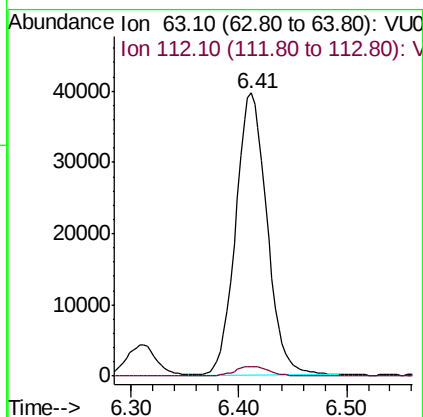
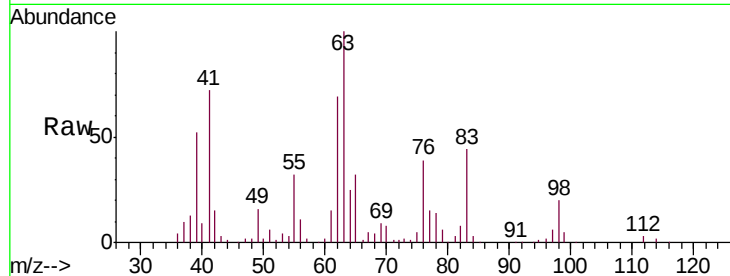




#37
 1,2-Dichloropropane
 Concen: 5.113 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

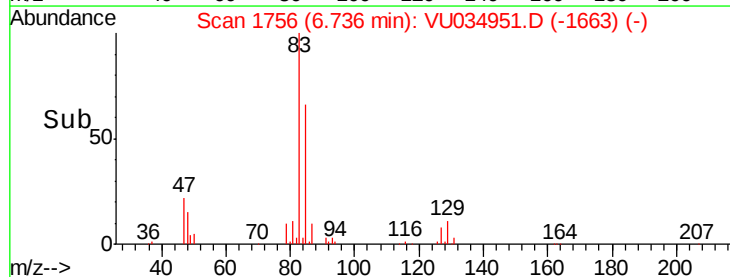
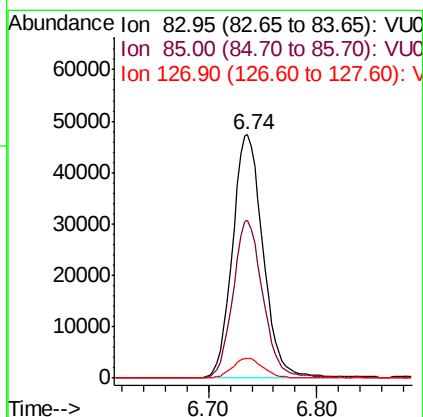
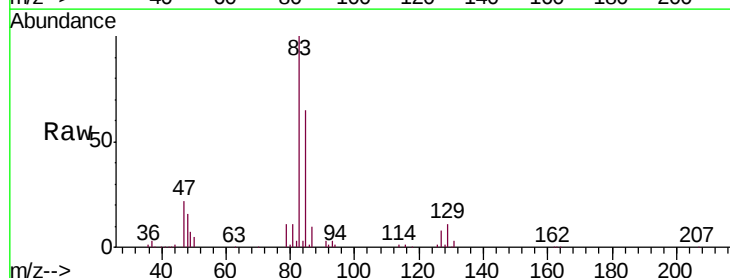
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

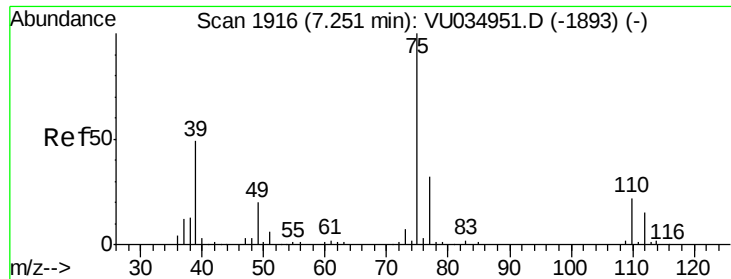
Tgt Ion: 63 Resp: 80384
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 4.742 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

Tgt Ion: 83 Resp: 93673
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.3 84.1
 127 8.3 6.6 10.0

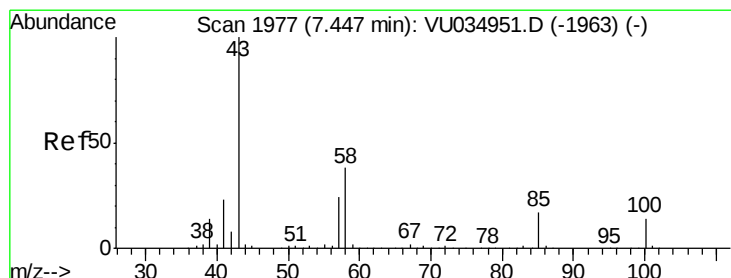
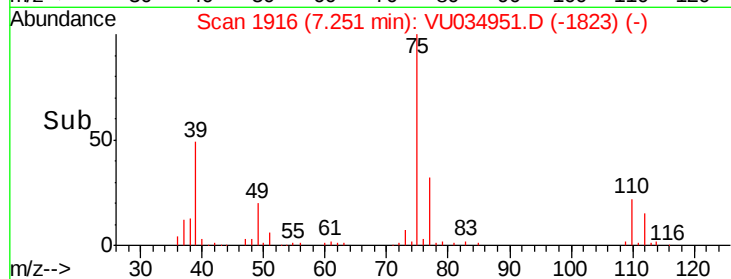
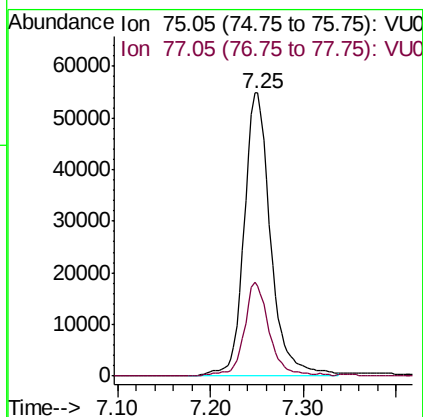
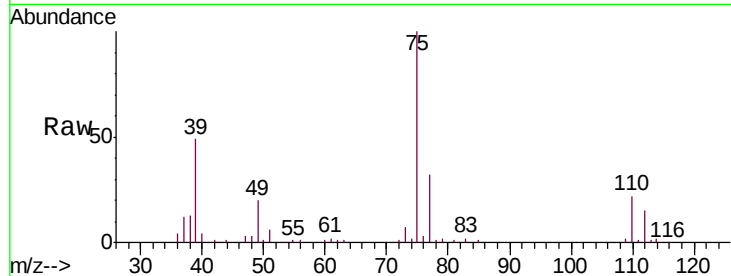




#39
 cis-1,3-Dichloropropene
 Concen: 4.903 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

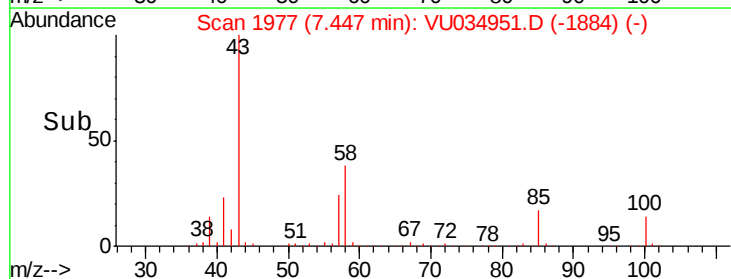
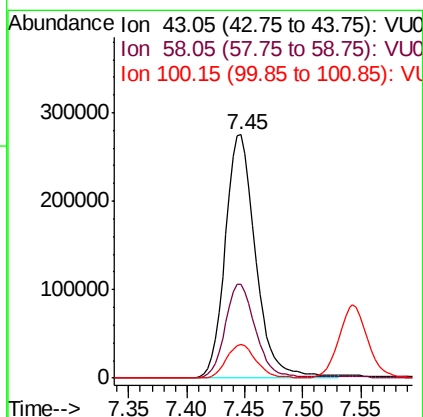
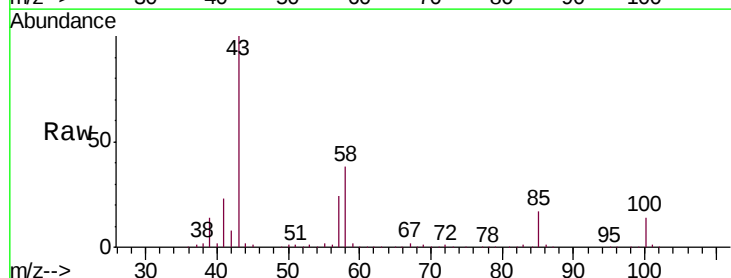
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00501

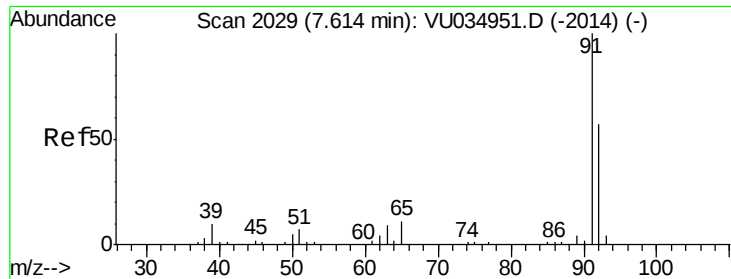
Tgt Ion: 75 Resp: 109200
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 54.938 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

Tgt Ion: 43 Resp: 500844
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.1 46.7
 100 13.7 11.0 16.4





#42

Toluene

Concen: 5.175 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

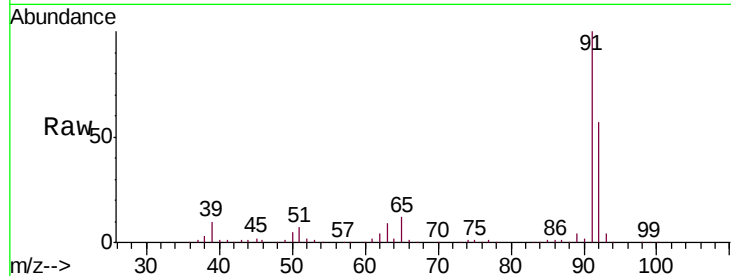
VSTD00501

Tgt Ion: 91 Resp: 322203

Ion Ratio Lower Upper

91 100

92 57.4 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU034951.D (-2014) (-)

Ion 92.15 (91.85 to 92.85): VU034951.D (-2014) (-)

7.61

200000

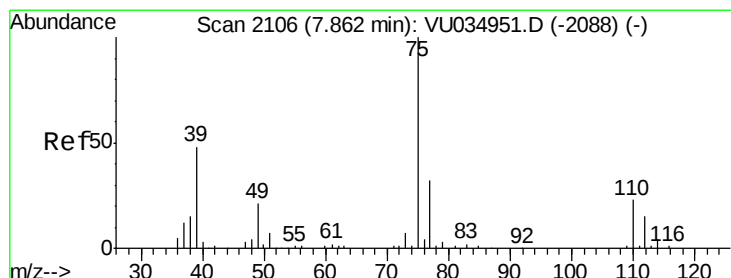
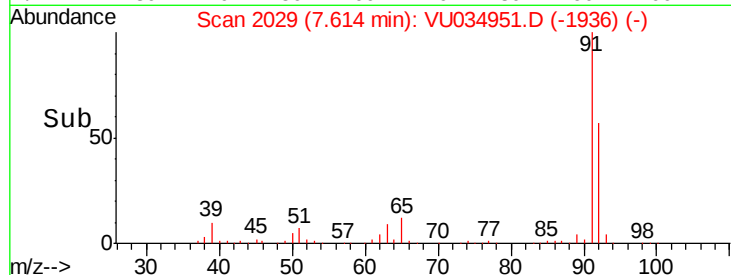
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.832 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034951.D

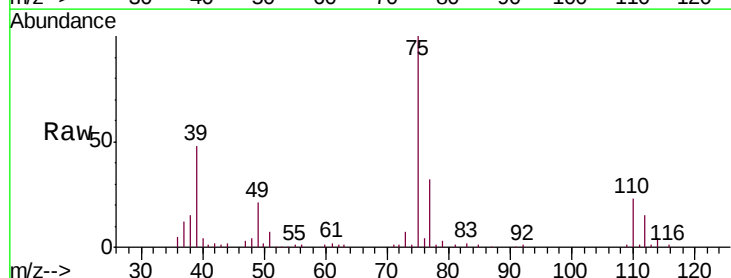
Acq: 07 Oct 2019 10:42

Tgt Ion: 75 Resp: 86018

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU034951.D (-2088) (-)

Ion 77.05 (76.75 to 77.75): VU034951.D (-2088) (-)

7.86

50000

40000

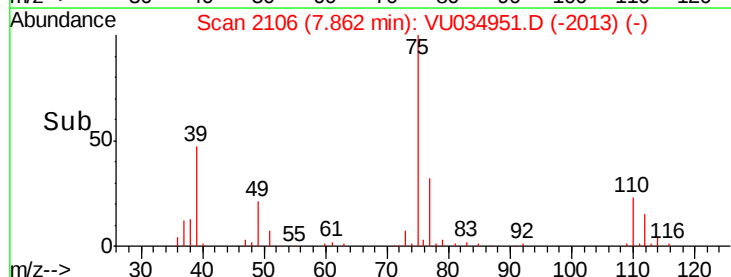
30000

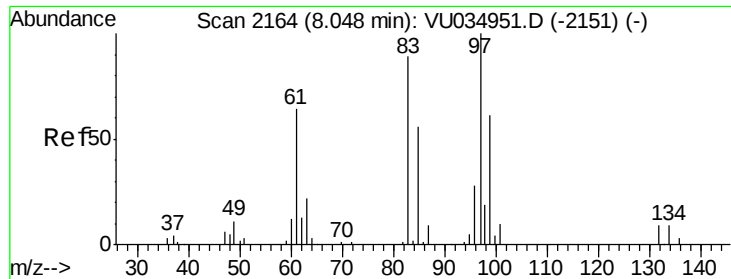
20000

10000

0

Time-->

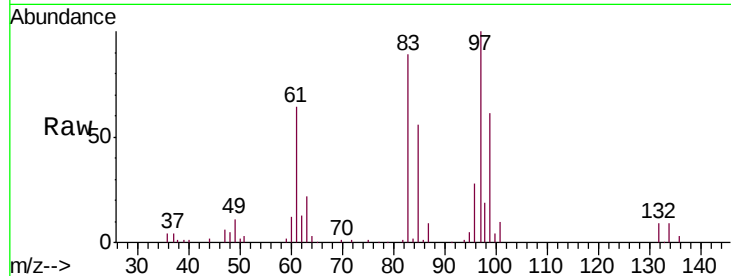




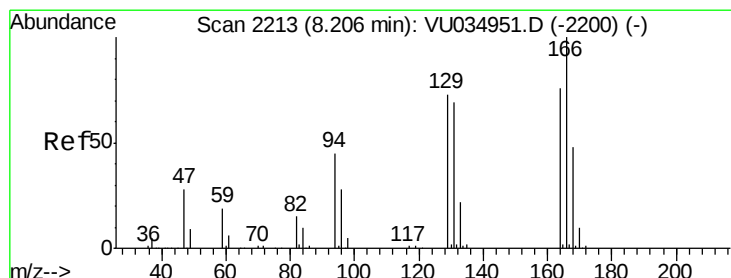
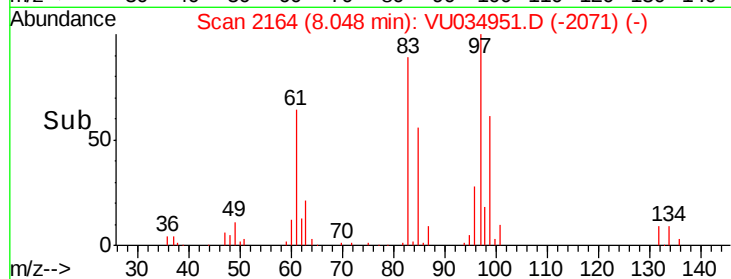
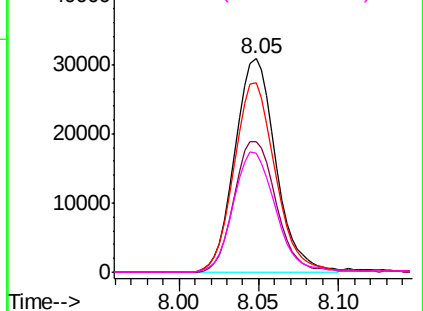
#45
 1,1,2-Trichloroethane
 Concen: 4.846 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion:	97	Resp:	53859
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.8	79.6
83	88.9	62.2	115.6
85	55.8	39.1	72.5

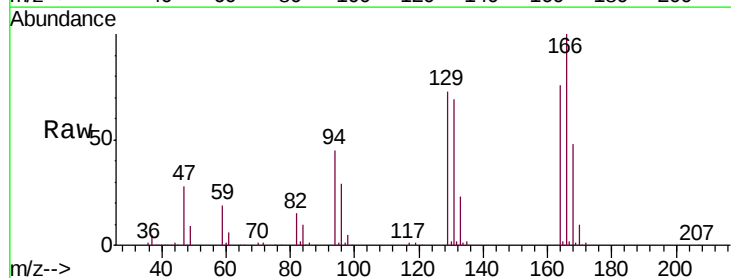


Abundance Ion 96.95 (96.65 to 97.65): VU034951.D (-2151) (-)
 Ion 99.05 (98.75 to 99.75): VU034951.D (-2151) (-)
 Ion 82.95 (82.65 to 83.65): VU034951.D (-2151) (-)
 Ion 85.00 (84.70 to 85.70): VU034951.D (-2151) (-)

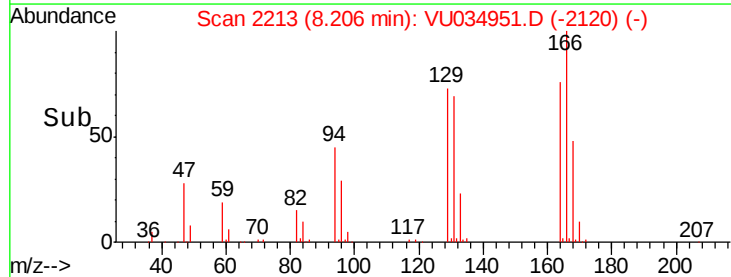
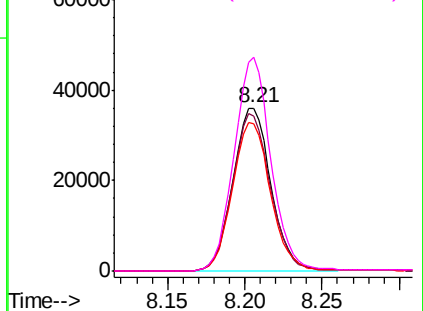


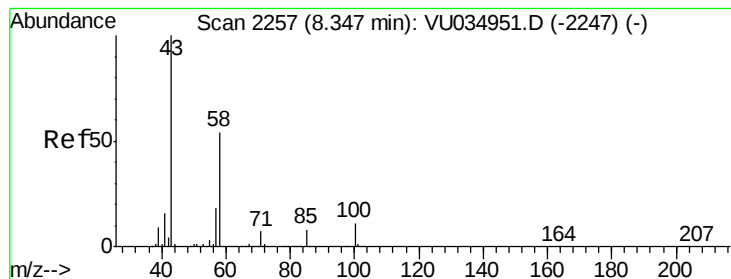
#47
 Tetrachloroethene
 Concen: 4.990 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

Tgt Ion:	164	Resp:	61606
Ion	Ratio	Lower	Upper
164	100		
129	95.0	66.5	123.5
131	90.5	63.3	117.7
166	130.9	91.6	170.2



Abundance Ion 163.90 (163.60 to 164.60): VU034951.D (-2200) (-)
 Ion 128.95 (128.65 to 129.65): VU034951.D (-2200) (-)
 Ion 130.95 (130.65 to 131.65): VU034951.D (-2200) (-)
 Ion 165.90 (165.60 to 166.60): VU034951.D (-2200) (-)





#48

2-Hexanone

Concen: 53.701 ug/L

RT: 8.35 min Scan# 2257

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

Tgt Ion: 43 Resp: 354322

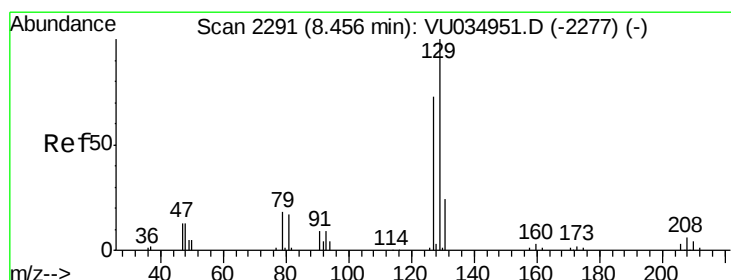
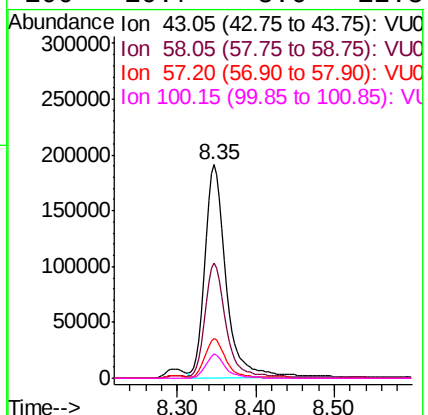
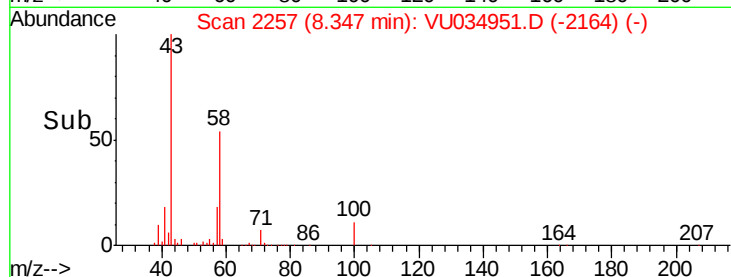
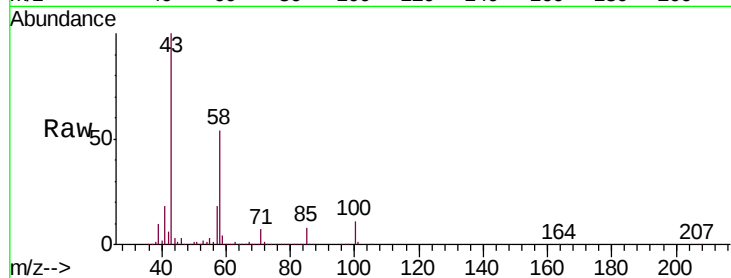
Ion Ratio Lower Upper

43 100

58 54.1 43.3 64.9

57 18.1 14.5 21.7

100 10.7 8.6 12.8



#49

Dibromochloromethane

Concen: 4.787 ug/L

RT: 8.46 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU034951.D

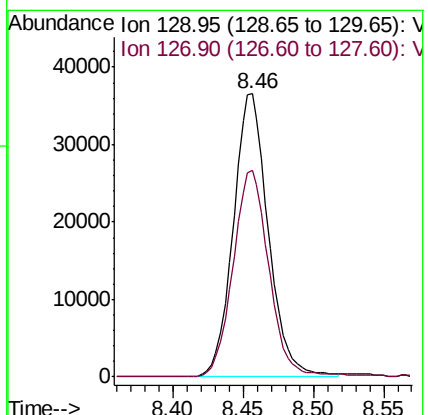
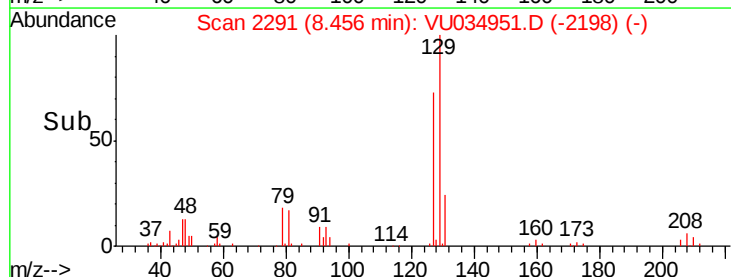
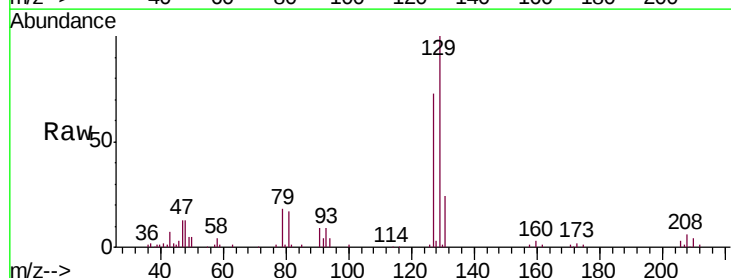
Acq: 07 Oct 2019 10:42

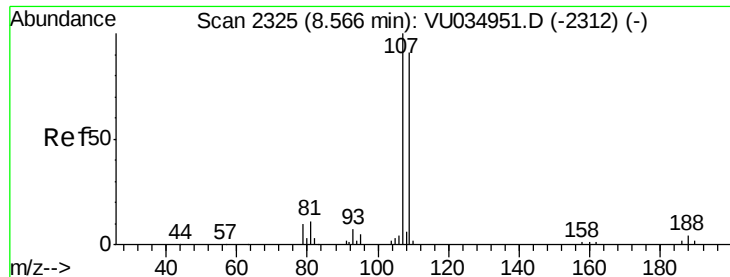
Tgt Ion: 129 Resp: 63525

Ion Ratio Lower Upper

129 100

127 73.1 51.2 95.0

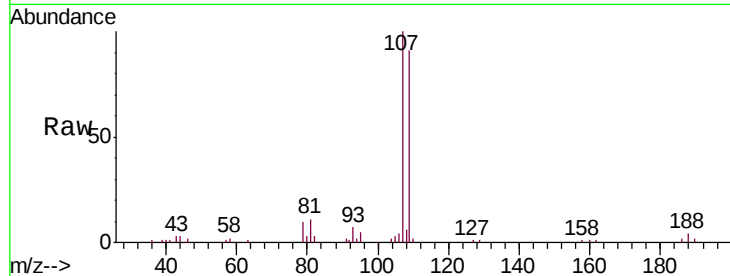




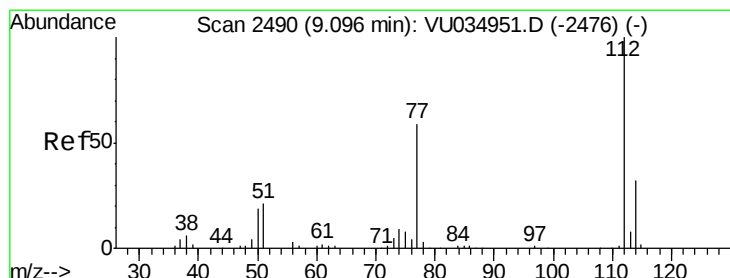
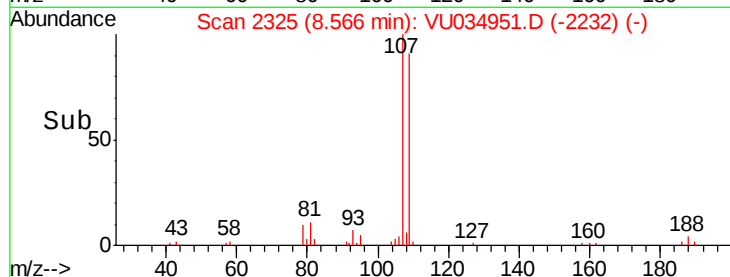
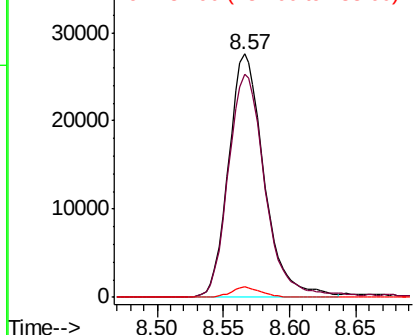
#50
1,2-Dibromoethane
Concen: 4.863 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU034951.D
Acq: 07 Oct 2019 10:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tgt Ion:107 Resp: 51529
Ion Ratio Lower Upper
107 100
109 91.5 64.0 119.0
188 4.4 3.5 5.3

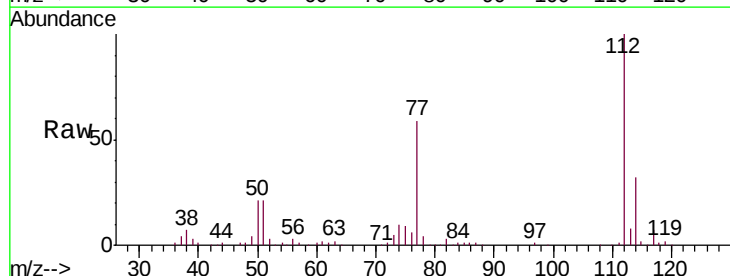


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

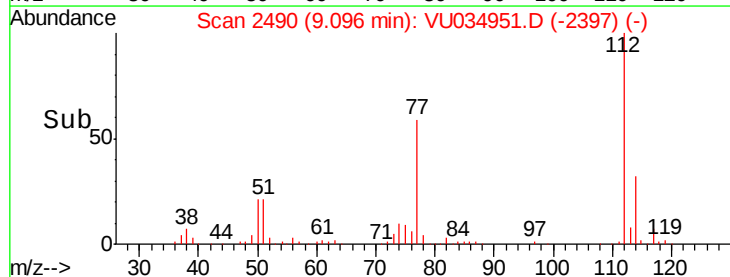
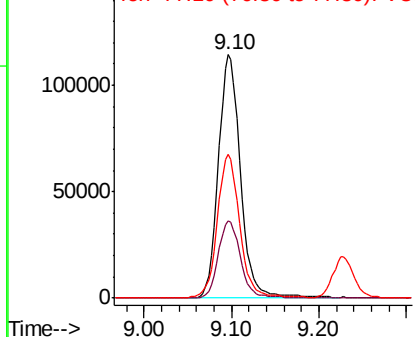


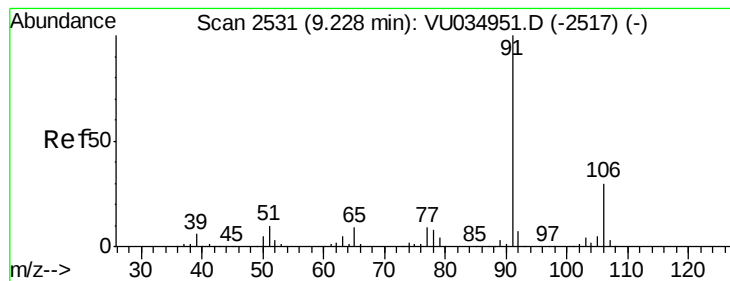
#51
Chlorobenzene
Concen: 4.961 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034951.D
Acq: 07 Oct 2019 10:42

Tgt Ion:112 Resp: 201735
Ion Ratio Lower Upper
112 100
114 31.7 22.2 41.2
77 59.3 47.4 71.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.238 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

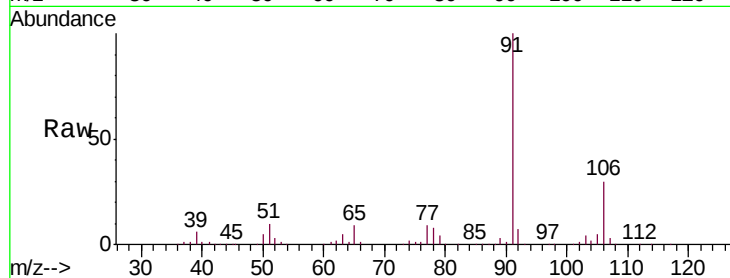
VSTD00501

Tgt Ion: 91 Resp: 350445

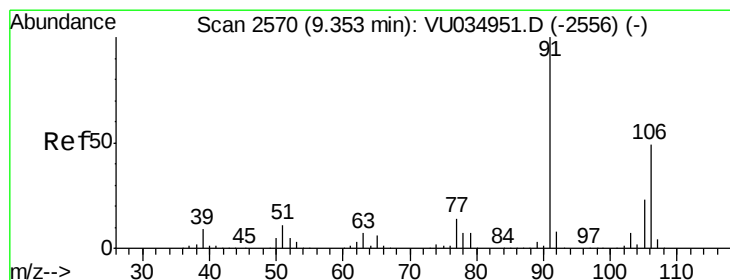
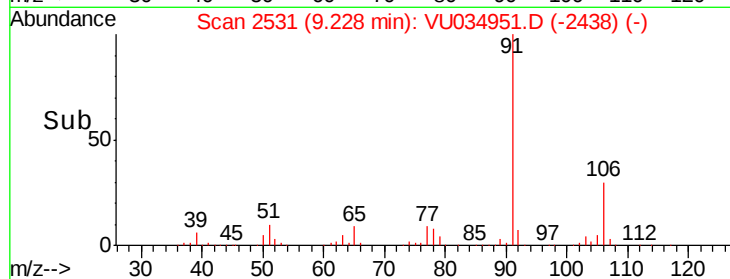
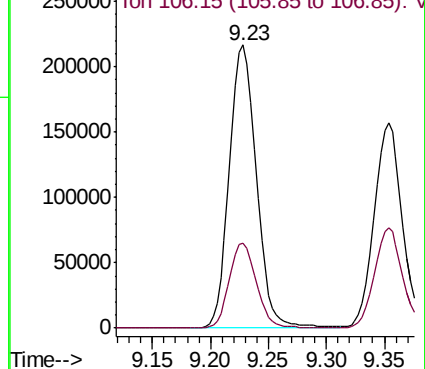
Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU034951.D (-2517) (-)



#53

m,p-Xylene

Concen: 5.205 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034951.D

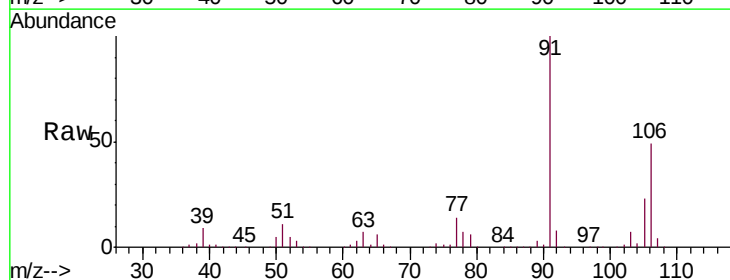
Acq: 07 Oct 2019 10:42

Tgt Ion: 106 Resp: 130492

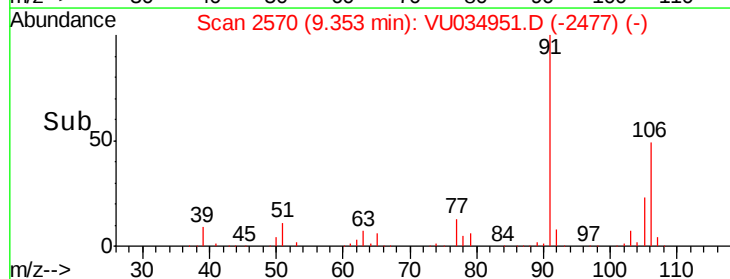
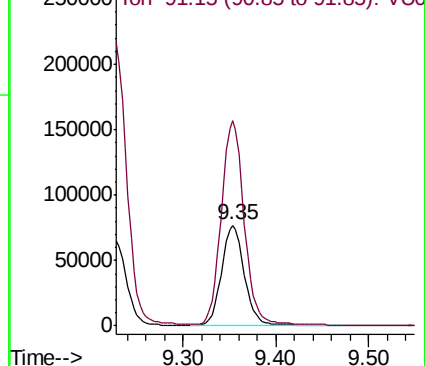
Ion Ratio Lower Upper

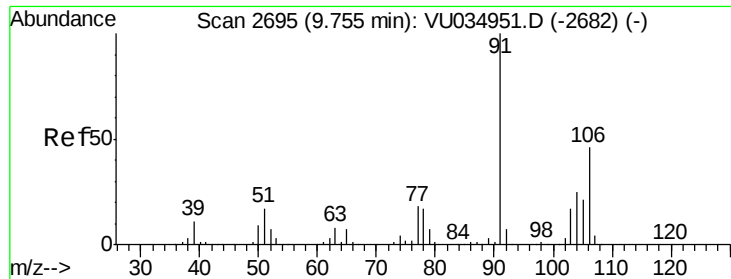
106 100

91 204.5 143.1 265.9



Abundance Ion 106.15 (105.85 to 106.85): VU034951.D (-2556) (-)

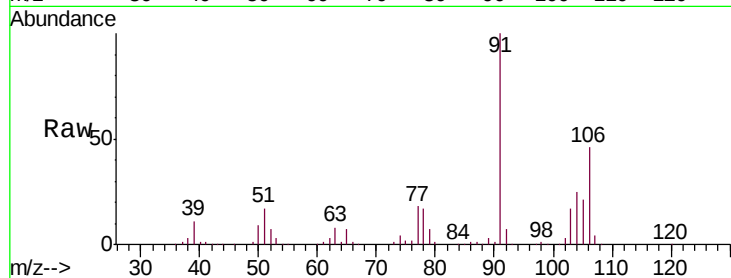




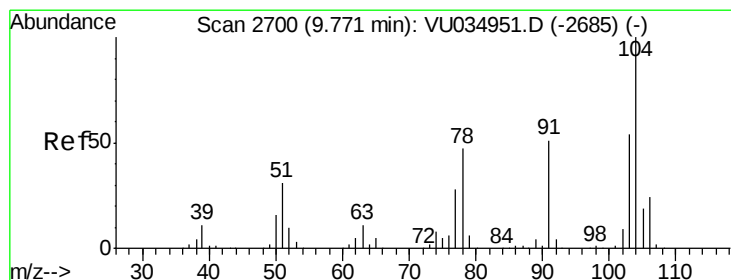
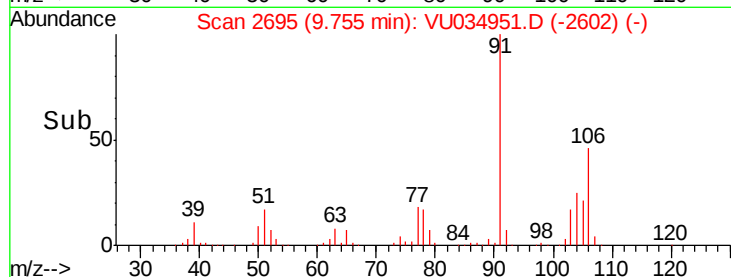
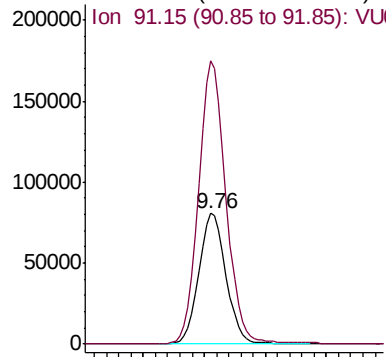
#54
o-Xylene
Concen: 5.281 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034951.D
Acq: 07 Oct 2019 10:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tgt Ion:106 Resp: 126700
Ion Ratio Lower Upper
106 100
91 216.6 151.6 281.6

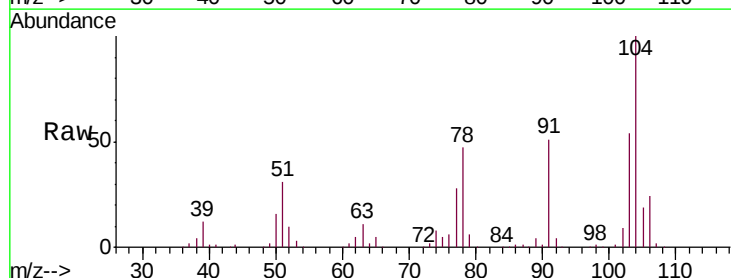


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

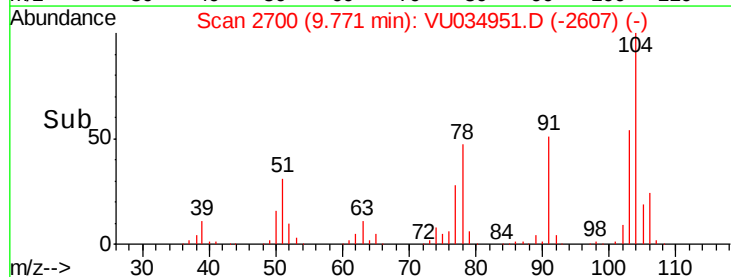
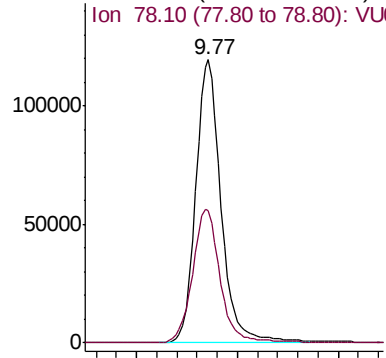


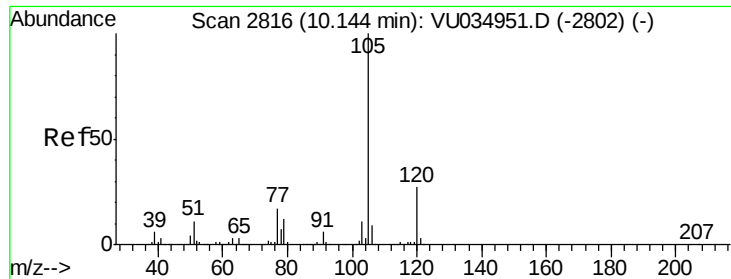
#55
Styrene
Concen: 5.074 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034951.D
Acq: 07 Oct 2019 10:42

Tgt Ion:104 Resp: 209697
Ion Ratio Lower Upper
104 100
78 46.7 32.7 60.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.266 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

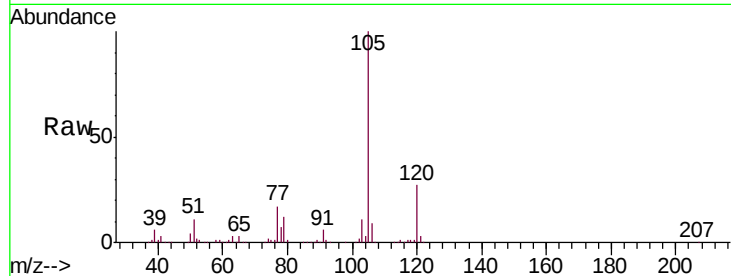
Tgt Ion: 105 Resp: 337010

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

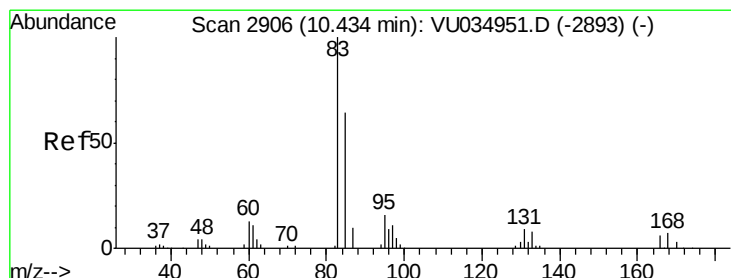
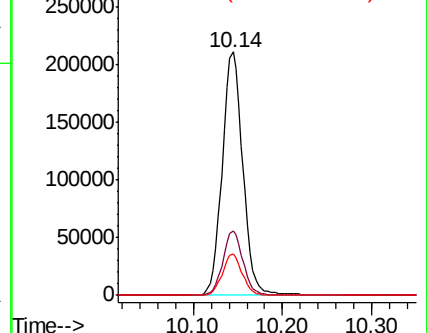
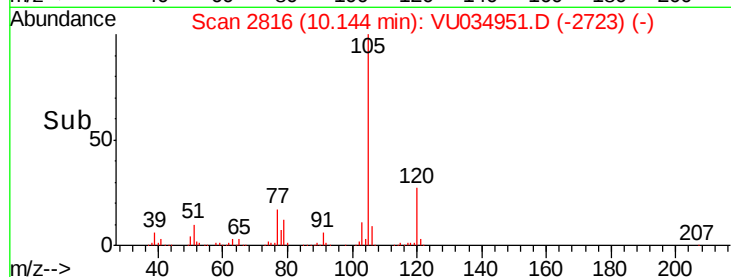
77 16.3 13.0 19.6



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: 5.025 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

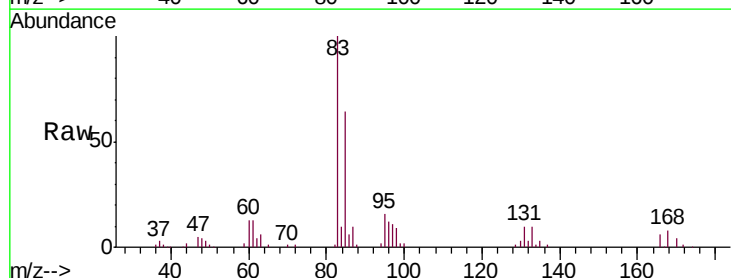
Tgt Ion: 83 Resp: 71821

Ion Ratio Lower Upper

83 100

85 64.3 45.0 83.6

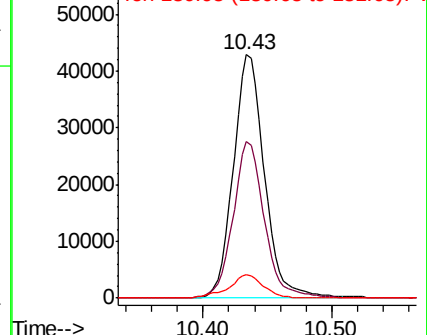
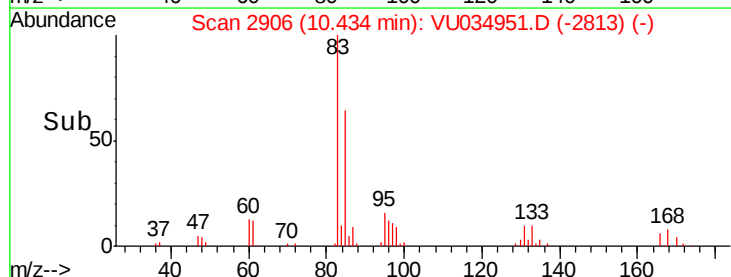
131 9.6 7.7 11.5

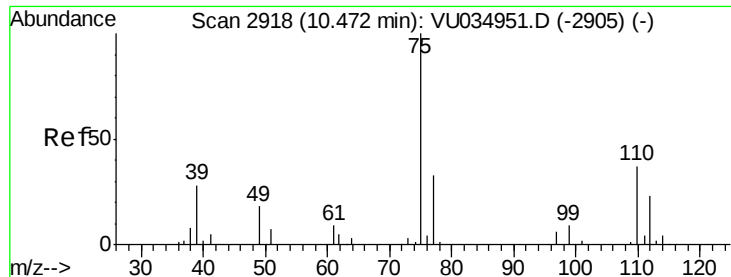


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

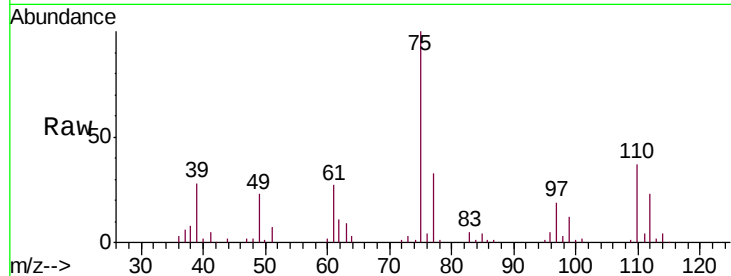




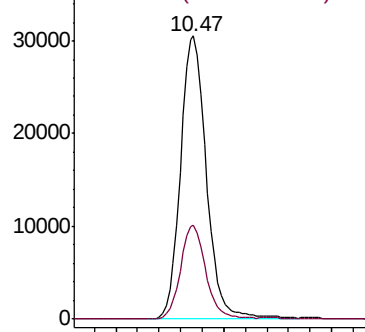
#59
 1,2,3-Trichloropropane
 Concen: 5.025 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

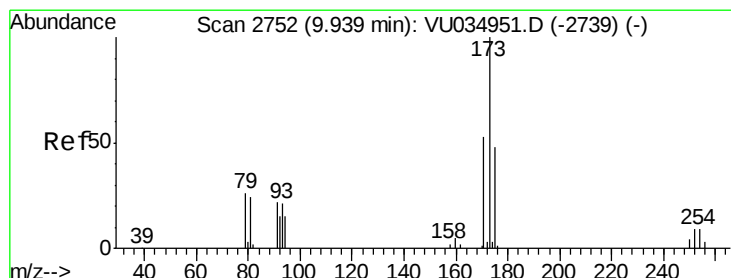
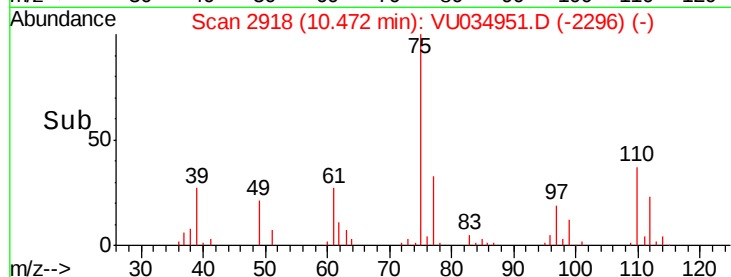
Tgt Ion: 75 Resp: 51191
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU034951.D (-2905) (-)
 Ion 77.00 (76.70 to 77.70): VU034951.D (-2905) (-)

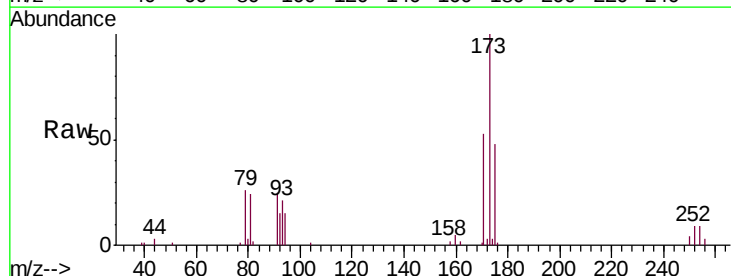


Time-->

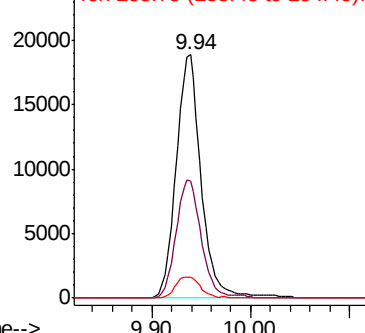


#61
 Bromoform
 Concen: 4.745 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

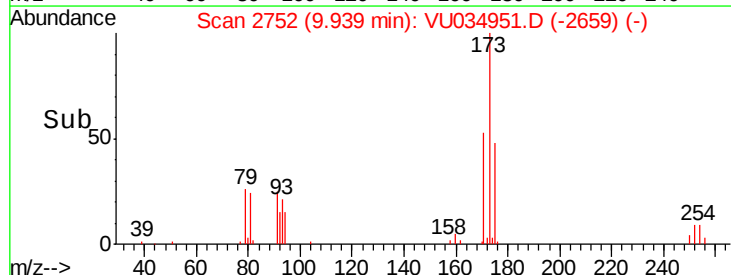
Tgt Ion: 173 Resp: 33473
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.2 58.8
 254 8.6 6.9 10.3

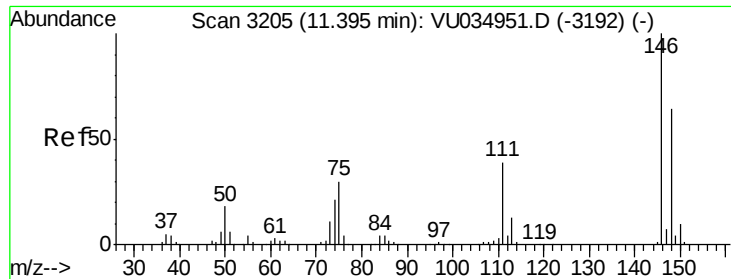


Abundance Ion 172.90 (172.60 to 173.60): VU034951.D (-2739) (-)
 Ion 174.90 (174.60 to 175.60): VU034951.D (-2739) (-)
 Ion 253.75 (253.45 to 254.45): VU034951.D (-2739) (-)



Time-->





#62

1,3-Dichlorobenzene

Concen: 5.018 ug/L

RT: 11.40 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

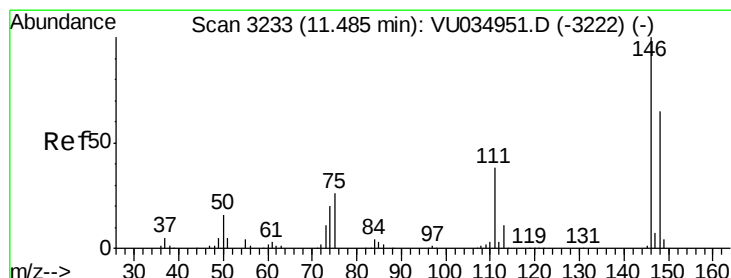
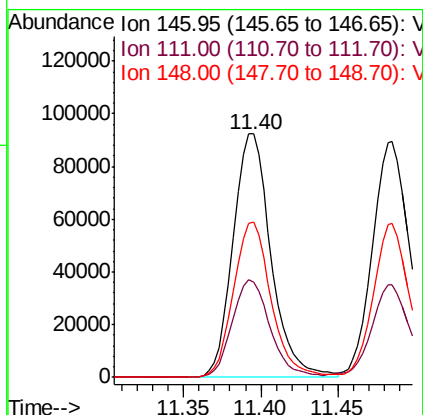
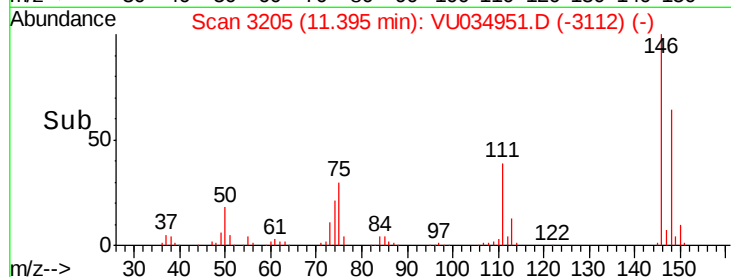
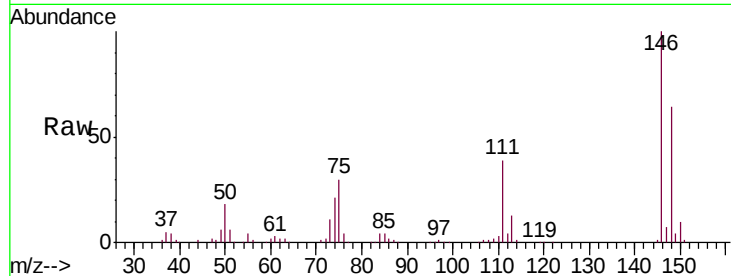
Tgt Ion:146 Resp: 157388

Ion Ratio Lower Upper

146 100

111 39.1 27.4 50.8

148 63.6 44.5 82.7



#63

1,4-Dichlorobenzene

Concen: 4.788 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

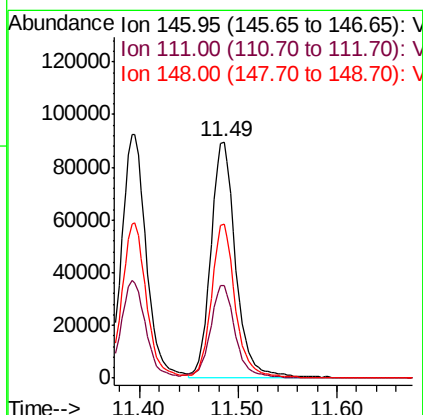
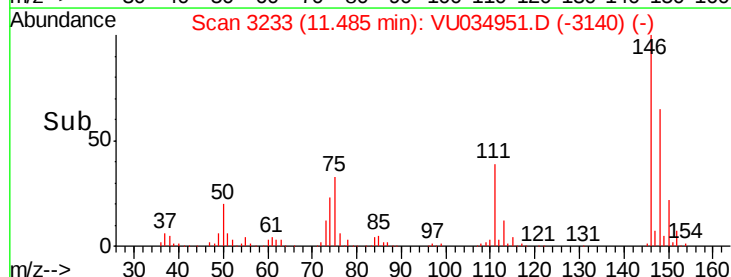
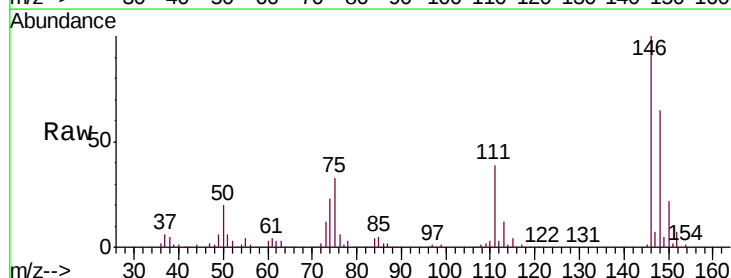
Tgt Ion:146 Resp: 156779

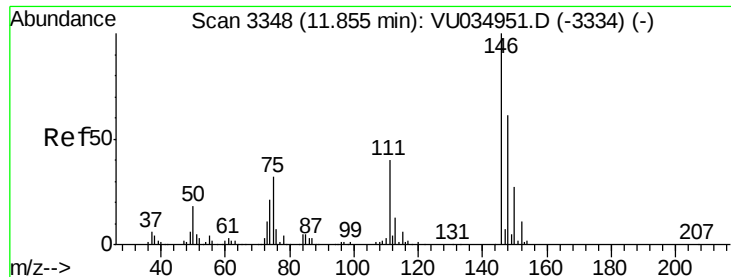
Ion Ratio Lower Upper

146 100

111 39.0 27.3 50.7

148 65.5 45.8 85.2





#65

1,2-Dichlorobenzene

Concen: 4.904 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

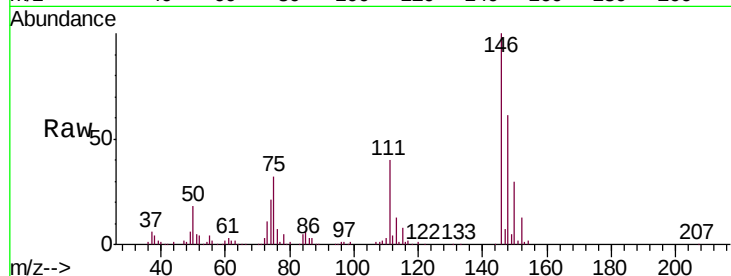
Tgt Ion:146 Resp: 152083

Ion Ratio Lower Upper

146 100

111 40.1 32.1 48.1

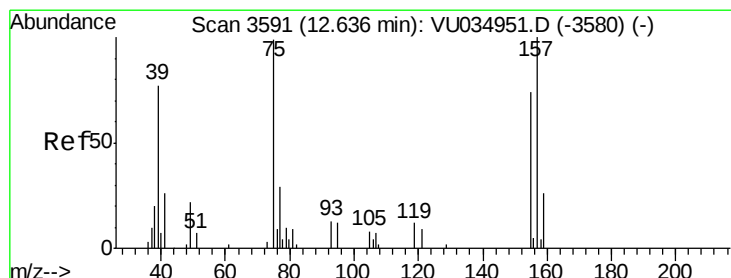
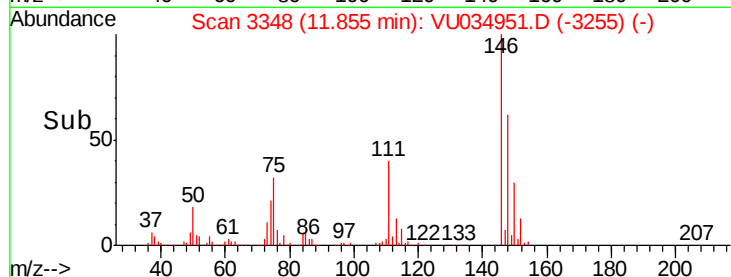
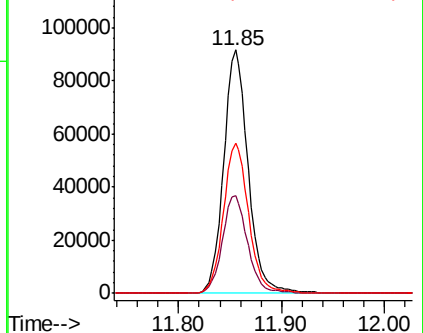
148 61.5 49.2 73.8



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: 4.444 ug/L

RT: 12.64 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

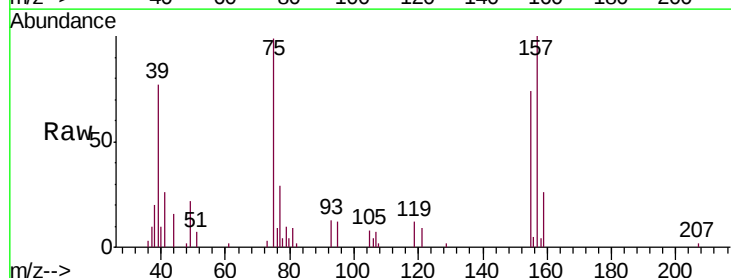
Tgt Ion: 75 Resp: 10222

Ion Ratio Lower Upper

75 100

155 74.6 59.7 89.5

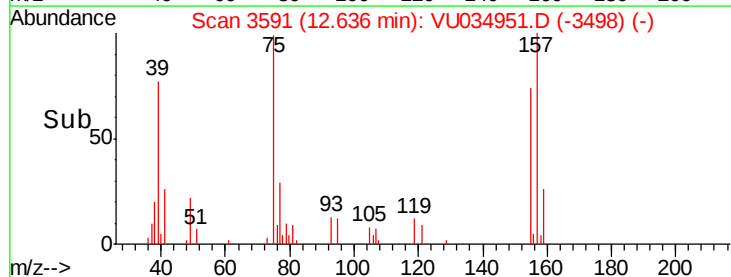
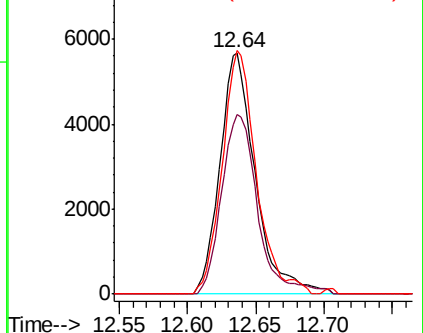
157 101.0 80.8 121.2

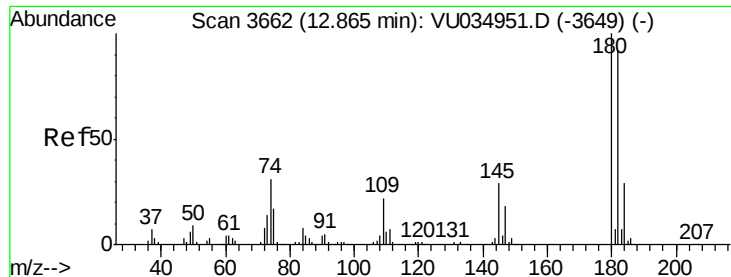


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

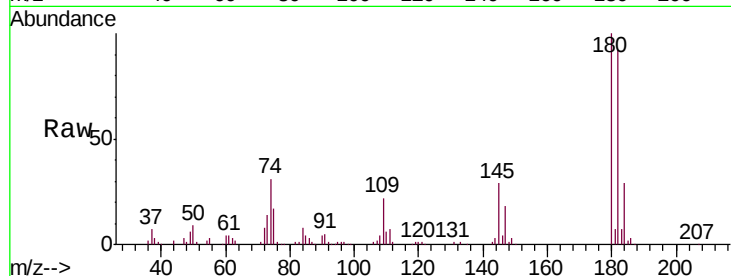




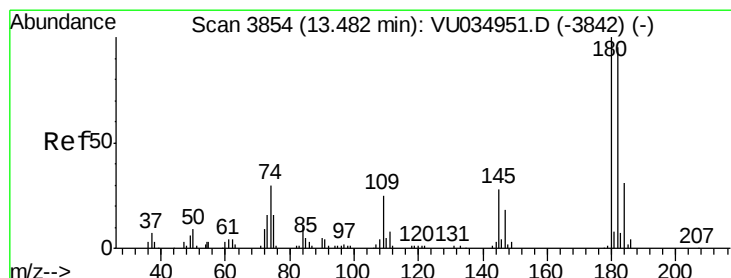
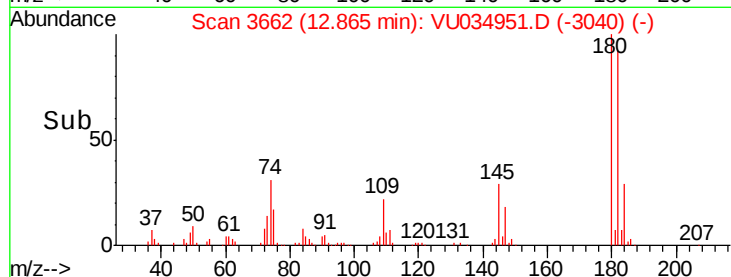
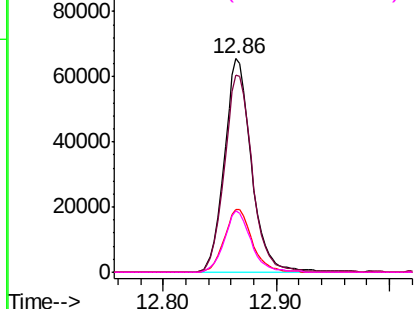
#67
 1,3,5-Trichlorobenzene
 Concen: 4.520 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion:180 Resp: 109081
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.7 113.5
 184 30.1 24.1 36.1
 145 28.1 22.5 33.7

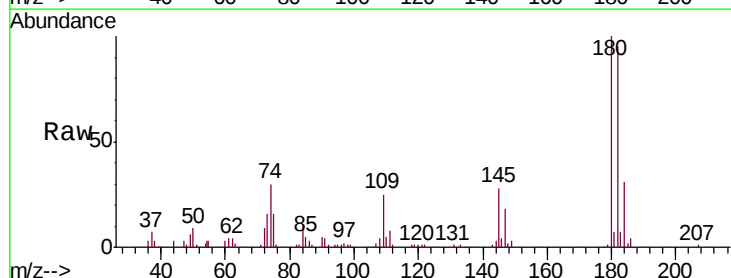


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

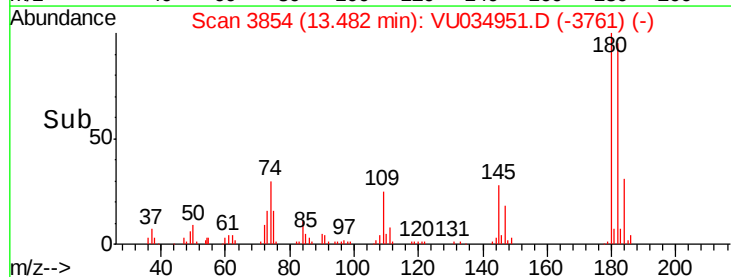
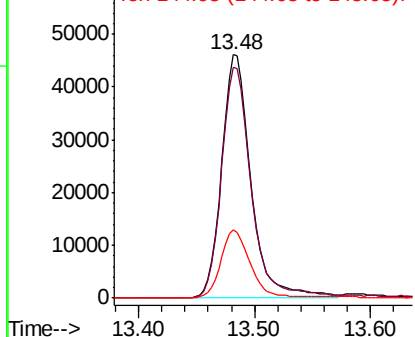


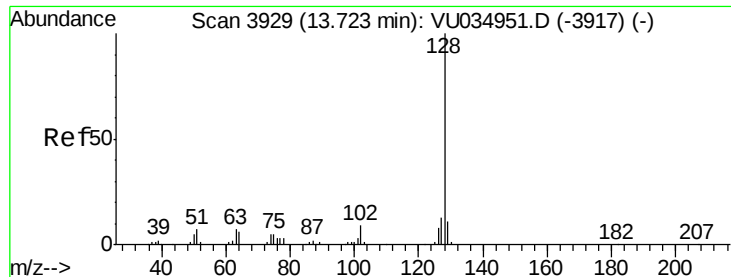
#68
 1,2,4-trichlorobenzene
 Concen: 4.237 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034951.D
 Acq: 07 Oct 2019 10:42

Tgt Ion:180 Resp: 81004
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.0 115.4
 145 27.8 22.2 33.4



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: 3.785 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

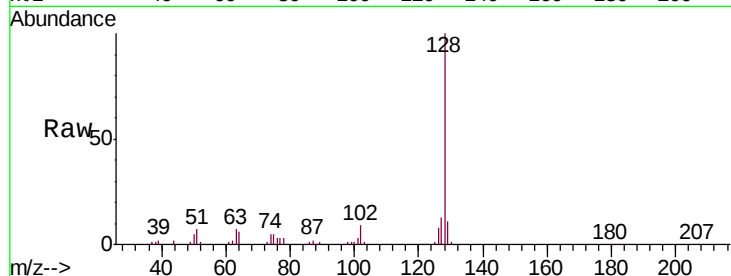
Tgt Ion:128 Resp: 120564

Ion Ratio Lower Upper

128 100

129 10.1 8.1 12.1

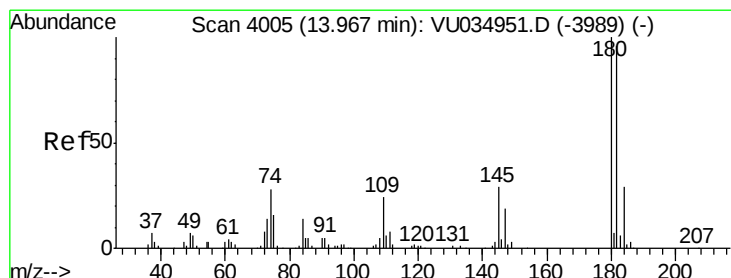
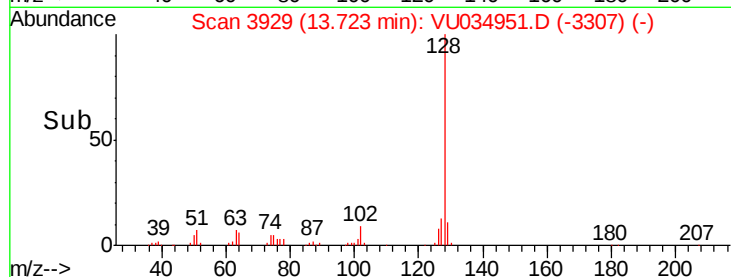
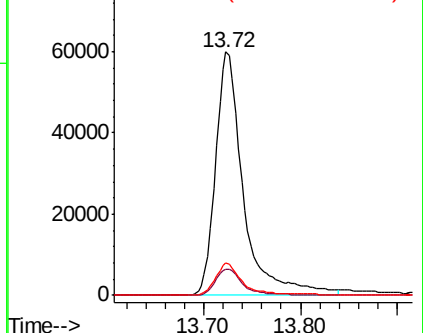
127 12.2 9.8 14.6



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: 4.330 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034951.D

Acq: 07 Oct 2019 10:42

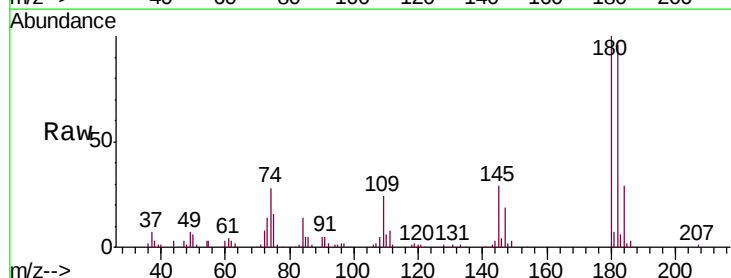
Tgt Ion:180 Resp: 77968

Ion Ratio Lower Upper

180 100

182 97.6 78.1 117.1

145 30.7 24.6 36.8



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

