

Data File : VU036042.D
Acq On : 09 Dec 2019 11:46
Operator : JC/MD
Sample : VSTD01002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Quant Time: Dec 10 01:06:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 00:59:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	291499	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	301910	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	165195	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	245825	7.82	ug/L	0.00
7) Chloroethane-d5	1.93	69	264419	10.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	476284	10.15	ug/L	0.00
20) 2-Butanone-d5	4.69	46	461729	84.11	ug/L	0.00
24) Chloroform-d	5.11	84	424573	9.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	207843	8.86	ug/L	0.00
32) Benzene-d6	5.77	84	842435	9.91	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	245952	8.94	ug/L	0.00
41) Toluene-d8	7.93	98	807197	10.27	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	103609	9.34	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	421833	97.70	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	211189	9.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	336967	10.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	270275	9.220 ug/L	99
3) Chloromethane	1.54	50	254084	7.781 ug/L	99
5) Vinyl chloride	1.62	62	281902	8.531 ug/L	97
6) Bromomethane	1.87	94	221742	10.935 ug/L	98
8) Chloroethane	1.95	64	208093	9.704 ug/L	99
9) Trichlorofluoromethane	2.16	101	482442	11.484 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	274484	12.020 ug/L	99
12) 1,1-Dichloroethene	2.61	96	250652	11.748 ug/L	94
13) Acetone	2.68	43	438183	84.408 ug/L	99
14) Carbon disulfide	2.82	76	773926	10.731 ug/L	99
15) Methyl Acetate	2.99	43	88913	9.910 ug/L	96
16) Methylene chloride	3.08	84	271396	8.594 ug/L	94
17) Methyl tert-butyl Ether	3.41	73	444950	9.473 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	205616	9.557 ug/L	98
19) 1,1-Dichloroethane	3.92	63	368407	8.833 ug/L	98
21) 2-Butanone	4.77	43	543025	84.627 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	232020	10.108 ug/L	97
23) Bromochloromethane	5.02	128	113416	10.648 ug/L	99
25) Chloroform	5.13	83	412891	9.653 ug/L	100
27) 1,2-Dichloroethane	5.84	62	246524	9.151 ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	349113	9.981 ug/L	99
30) Cyclohexane	5.43	56	306777	9.175 ug/L	98
31) Carbon tetrachloride	5.57	117	326028	10.435 ug/L	98
33) Benzene	5.82	78	895191	9.958 ug/L	100
34) Trichloroethene	6.58	95	228298	9.938 ug/L	98
35) Methylcyclohexane	6.80	83	358734	10.609 ug/L	97
37) 1,2-Dichloropropane	6.83	63	216194	8.927 ug/L	99
38) Bromodichloromethane	7.14	83	285391	9.745 ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	320602	10.005 ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	1206366	87.008 ug/L	99

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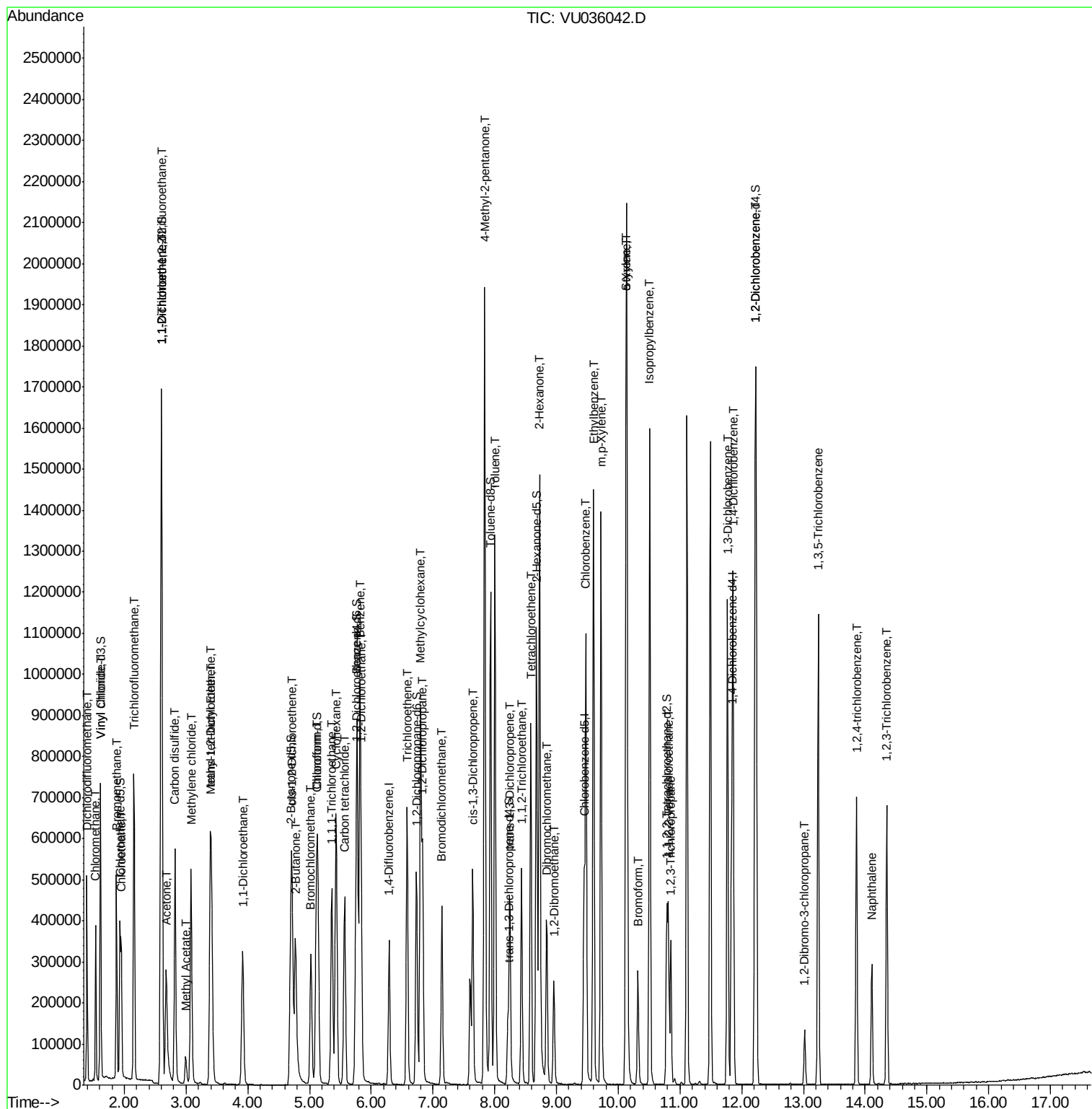
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1002975	10.605	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	270370	9.841	ug/L	95
45) 1,1,2-Trichloroethane	8.44	97	168133	10.093	ug/L	97
47) Tetrachloroethene	8.58	164	217031	11.343	ug/L	98
48) 2-Hexanone	8.73	43	891732	85.617	ug/L	94
49) Dibromochloromethane	8.84	129	216551	10.189	ug/L	97
50) 1,2-Dibromoethane	8.96	107	160799	9.737	ug/L	96
51) Chlorobenzene	9.48	112	616151	10.126	ug/L	100
52) Ethylbenzene	9.60	91	1023601	10.453	ug/L	98
53) m,p-Xylene	9.72	106	418572	11.355	ug/L	96
54) o-Xylene	10.13	106	389777	11.444	ug/L	92
55) Styrene	10.14	104	689496	12.066	ug/L	98
56) Isopropylbenzene	10.51	105	1021202	11.444	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	208425	9.413	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	148605	9.403	ug/L	100
61) Bromoform	10.32	173	137188	9.162	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	536513	9.996	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	527023	9.869	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	579777	11.312	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	31854	8.113	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	387422	10.333	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	233465	11.689	ug/L	97
69) Naphthalene	14.11	128	233706	10.630	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	223541	11.536	ug/L	100

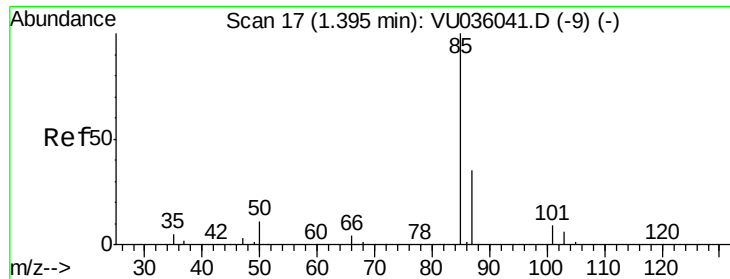
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 9.220 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

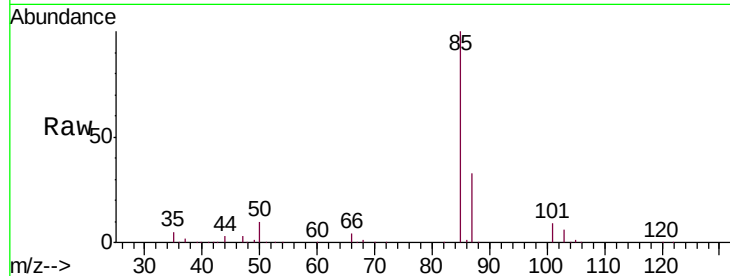
VSTD01002

Tgt Ion: 85 Resp: 270275

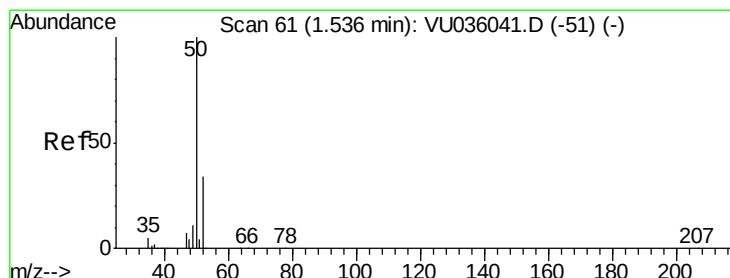
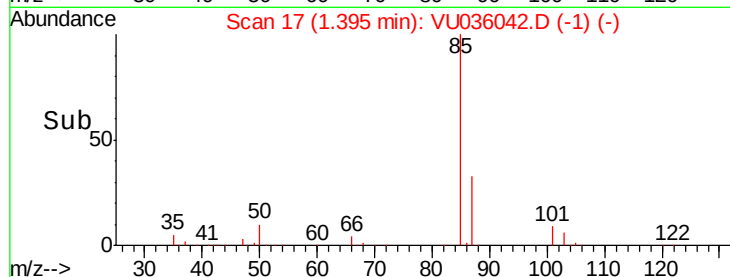
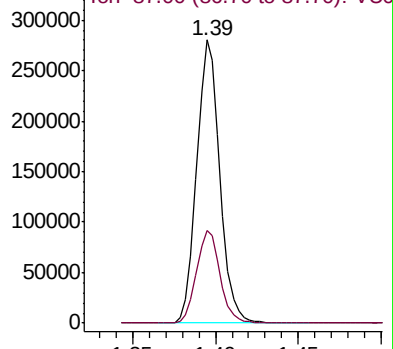
Ion Ratio Lower Upper

85 100

87 33.3 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VU036041.D (-9) (-)



#3

Chloromethane

Concen: 7.781 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036042.D

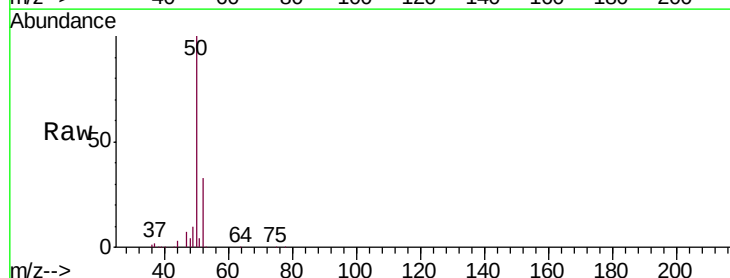
Acq: 09 Dec 2019 11:46

Tgt Ion: 50 Resp: 254084

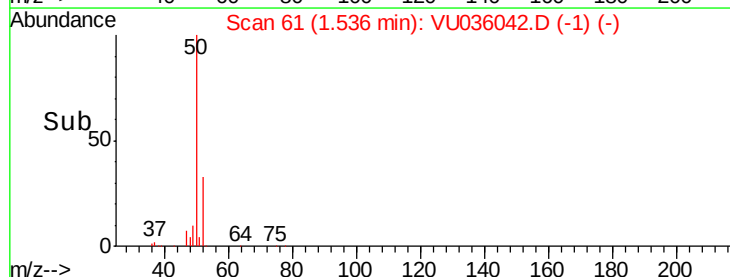
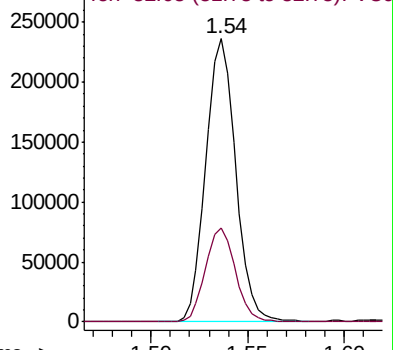
Ion Ratio Lower Upper

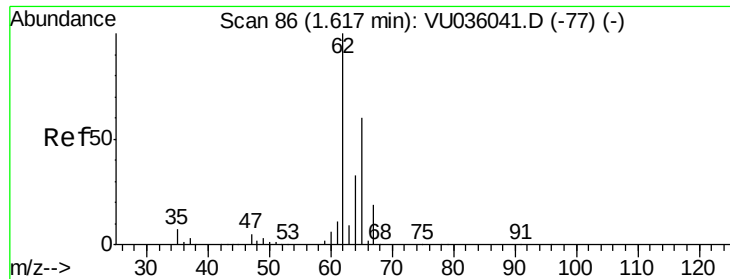
50 100

52 33.1 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU036041.D (-51) (-)





#5

Vinyl chloride

Concen: 8.531 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

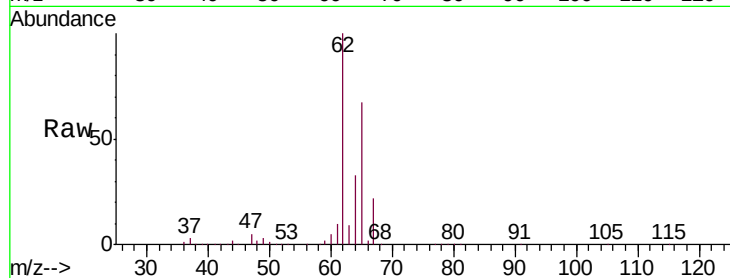
VSTD01002

Tgt Ion: 62 Resp: 281902

Ion Ratio Lower Upper

62 100

64 33.0 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VU036042.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036042.D (-77) (-)

1.62

250000

200000

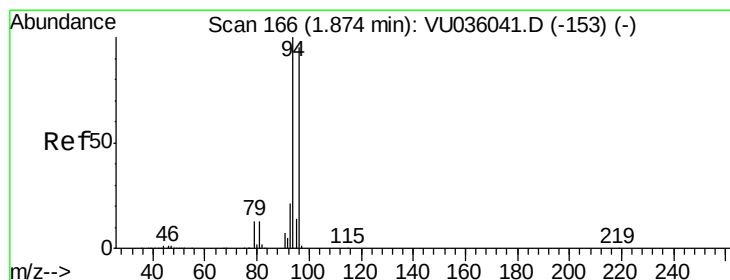
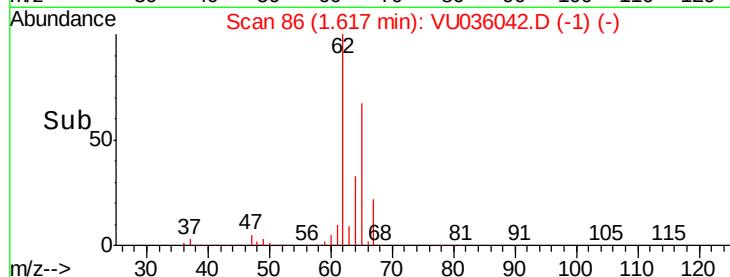
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 10.935 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036042.D

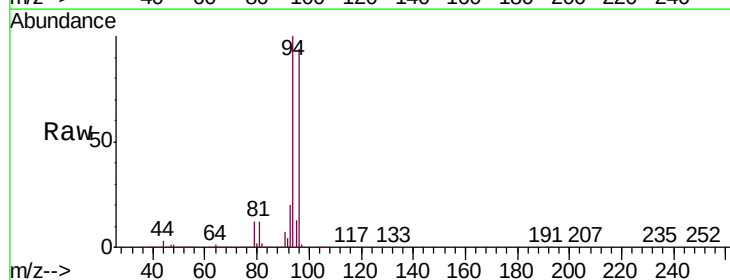
Acq: 09 Dec 2019 11:46

Tgt Ion: 94 Resp: 221742

Ion Ratio Lower Upper

94 100

96 94.0 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU036042.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU036042.D (-153) (-)

1.87

200000

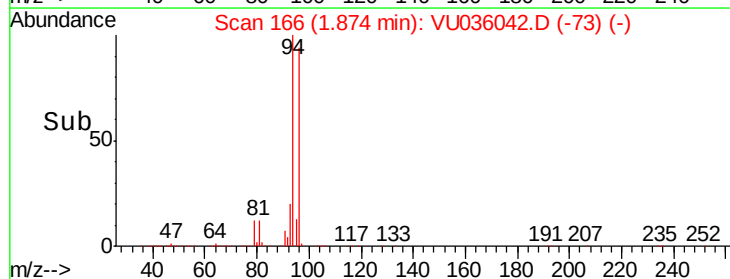
150000

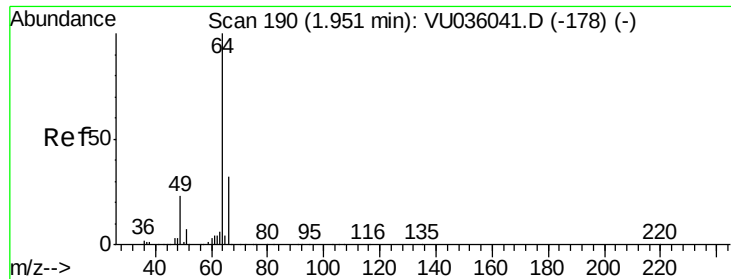
100000

50000

0

Time--> 1.80 1.85 1.90 1.95

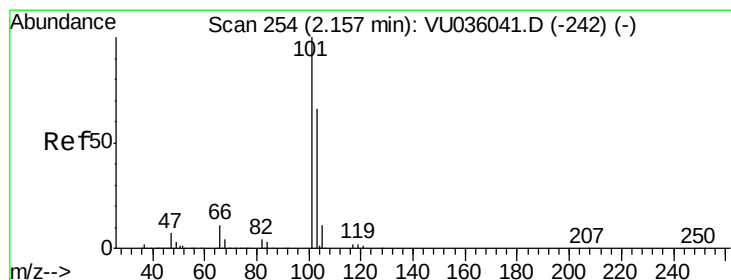
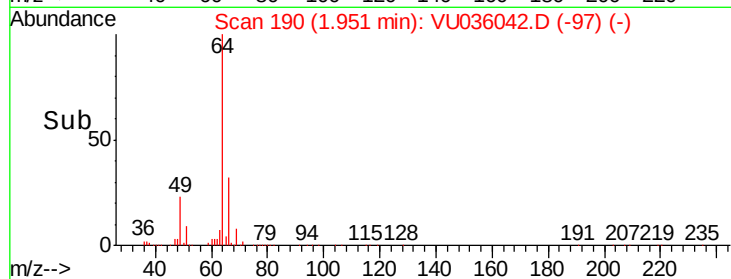
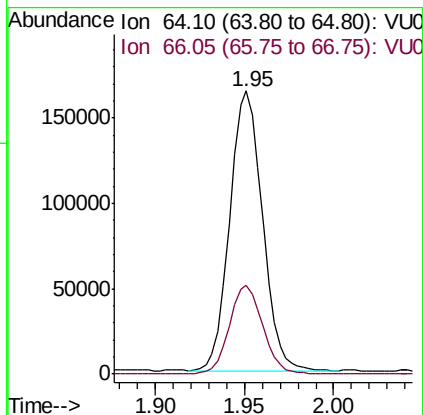
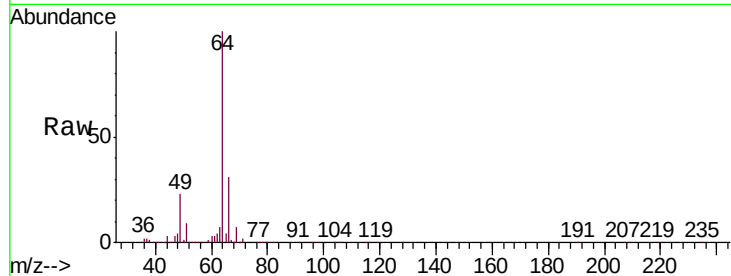




#8
Chloroethane
Concen: 9.704 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036042.D
Acq: 09 Dec 2019 11:46

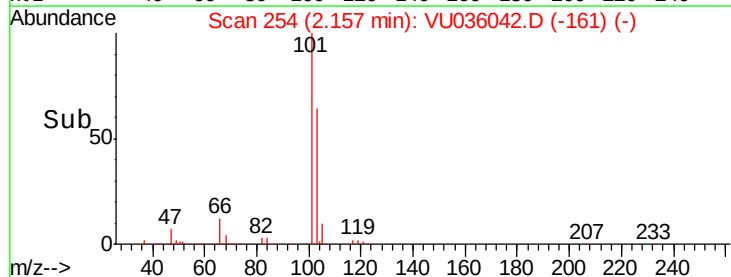
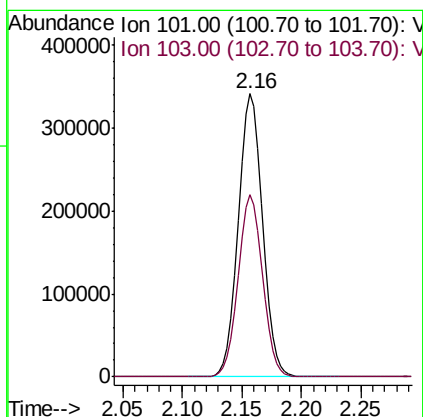
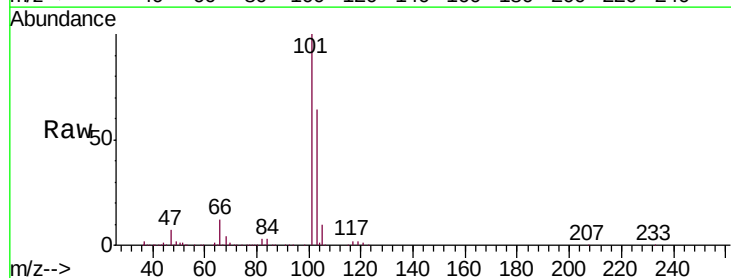
Instrument :
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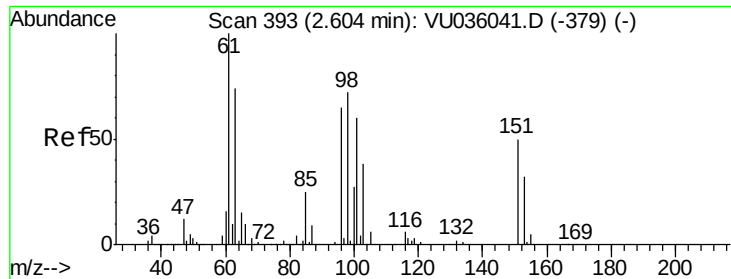
Tgt Ion: 64 Resp: 208093
Ion Ratio Lower Upper
64 100
66 31.3 21.5 39.9



#9
Trichlorofluoromethane
Concen: 11.484 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036042.D
Acq: 09 Dec 2019 11:46

Tgt Ion: 101 Resp: 482442
Ion Ratio Lower Upper
101 100
103 64.6 52.6 78.8





#10

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

Concen: 12.020 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

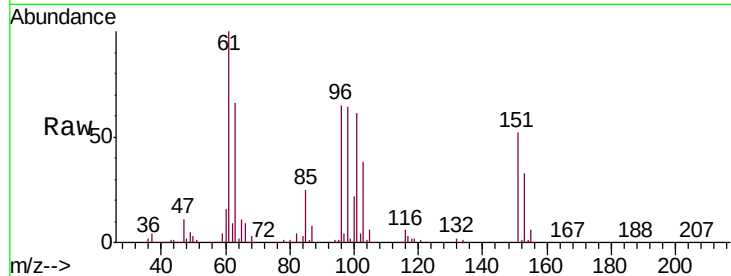
Tgt Ion: 101 Resp: 274484

Ion Ratio Lower Upper

101 100

85 40.9 33.1 49.7

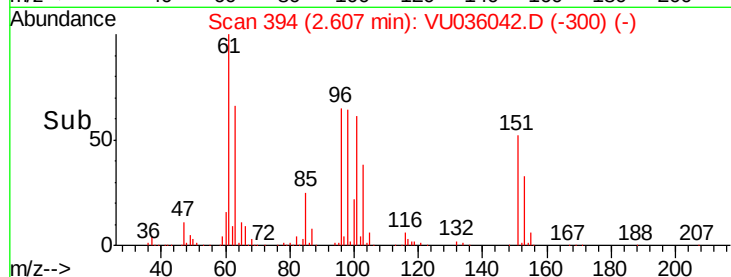
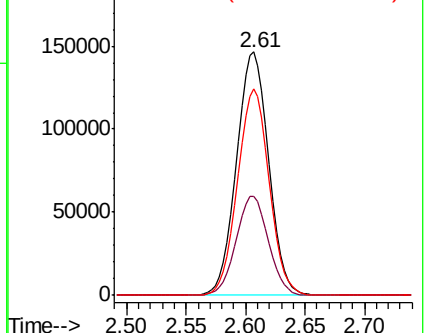
151 83.5 66.5 99.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 11.748 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

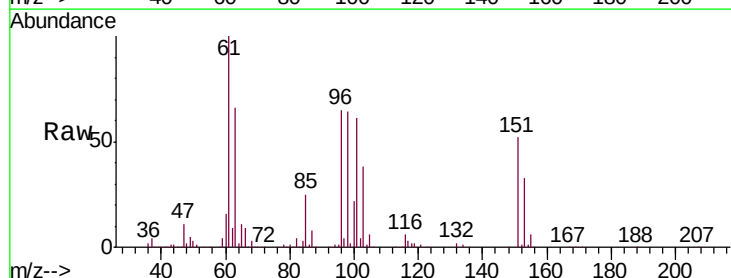
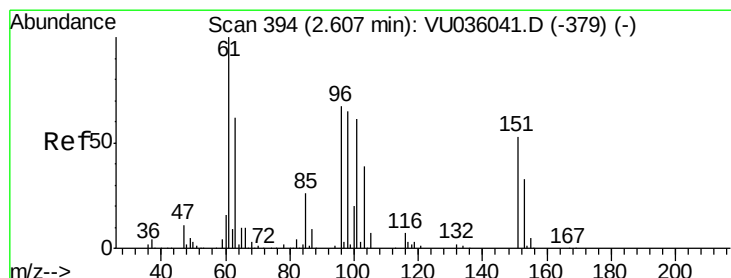
Tgt Ion: 96 Resp: 250652

Ion Ratio Lower Upper

96 100

61 154.4 104.3 193.7

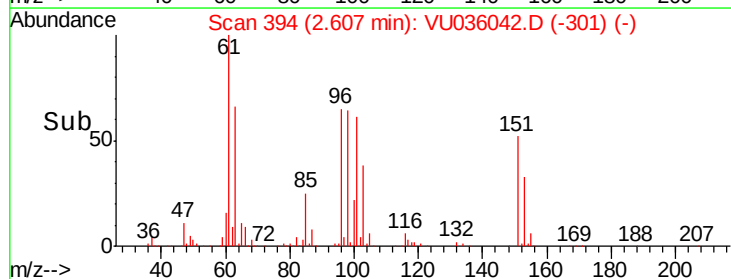
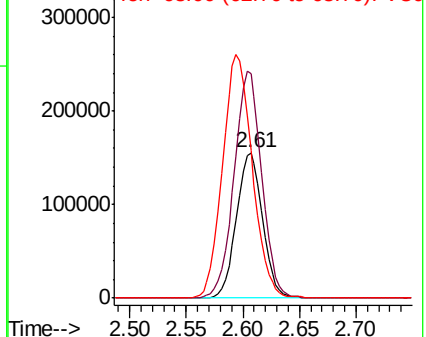
63 101.6 65.6 121.8

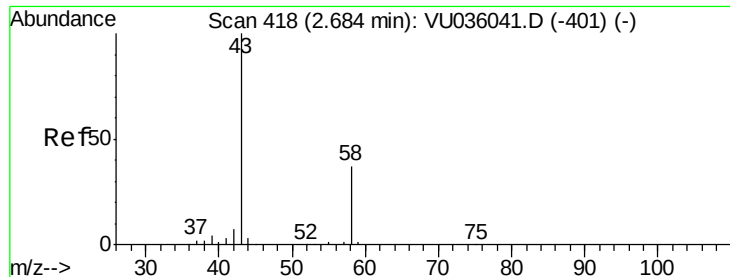


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 84.408 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

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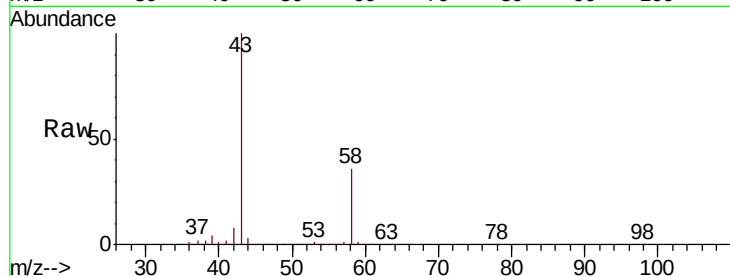
VSTD01002

Tgt Ion: 43 Resp: 438183

Ion Ratio Lower Upper

43 100

58 36.7 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU036041.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU036041.D (-401) (-)

200000

150000

100000

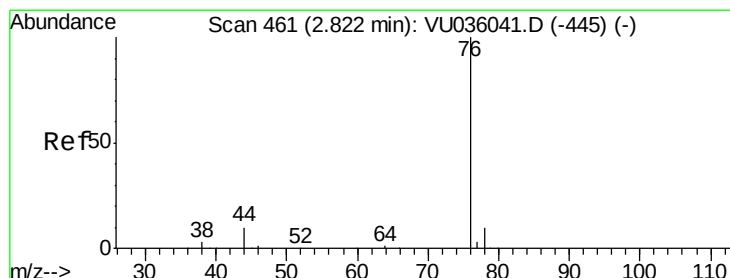
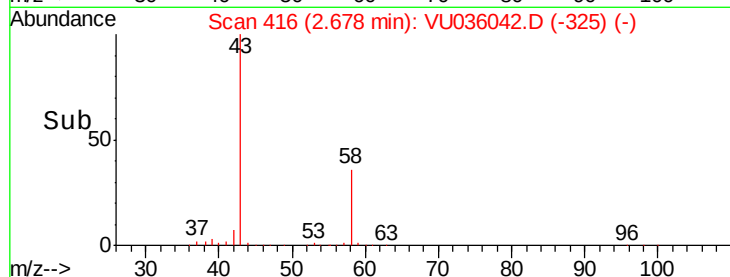
50000

0

2.68

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 10.731 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036042.D

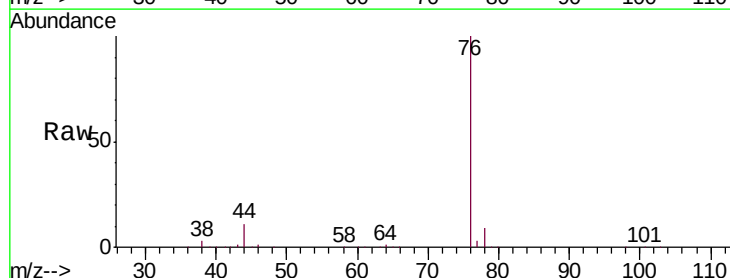
Acq: 09 Dec 2019 11:46

Tgt Ion: 76 Resp: 773926

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU036041.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU036041.D (-445) (-)

500000

400000

300000

200000

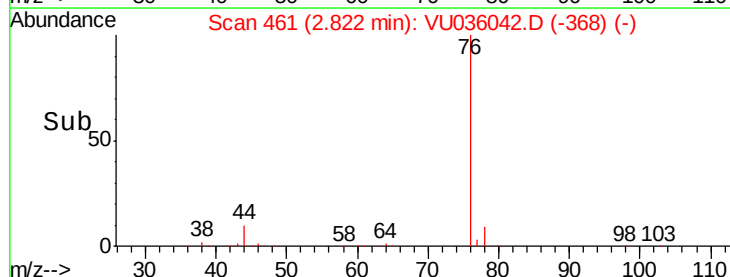
100000

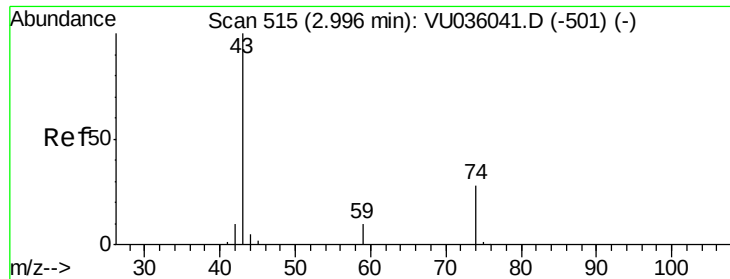
0

2.82

2.70 2.80 2.90

Time-->





#15

Methyl Acetate

Concen: 9.910 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.00 min

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Acq: 09 Dec 2019 11:46

Instrument :

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ClientSampleId :

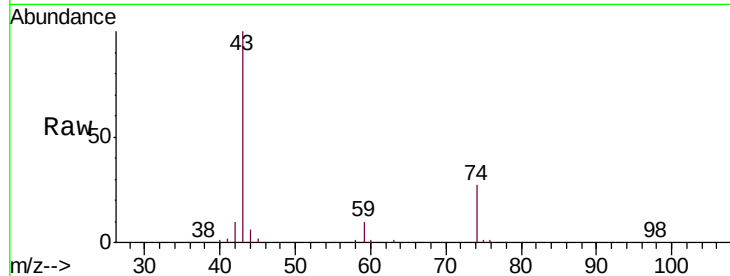
VSTD01002

Tgt Ion: 43 Resp: 88913

Ion Ratio Lower Upper

43 100

74 28.1 21.0 31.4



Abundance Ion 43.05 (42.75 to 43.75): VU036042.D (-422) (-)

Ion 74.05 (73.75 to 74.75): VU036042.D (-422) (-)

2.99

40000

30000

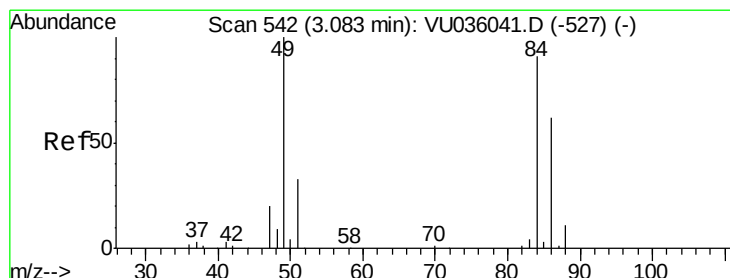
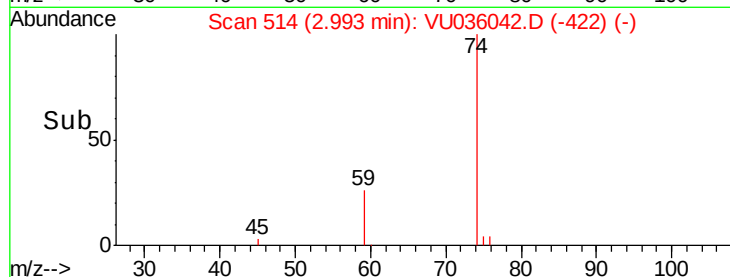
20000

10000

0

Time-->

2.90 2.95 3.00 3.05 3.10



#16

Methylene chloride

Concen: 8.594 ug/L

RT: 3.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

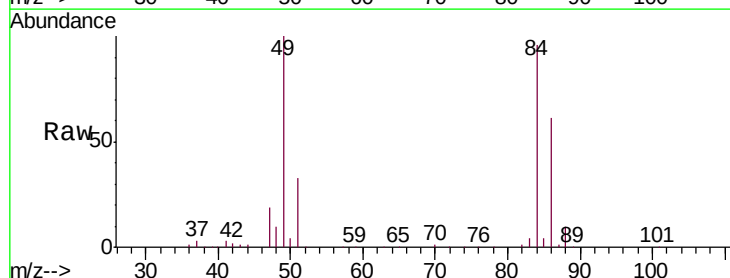
Tgt Ion: 84 Resp: 271396

Ion Ratio Lower Upper

84 100

86 63.5 47.5 88.3

49 103.7 76.9 142.9



Abundance Ion 84.05 (83.75 to 84.75): VU036042.D (-449) (-)

Ion 86.00 (85.70 to 86.70): VU036042.D (-449) (-)

Ion 49.10 (48.80 to 49.80): VU036042.D (-449) (-)

3.08

200000

150000

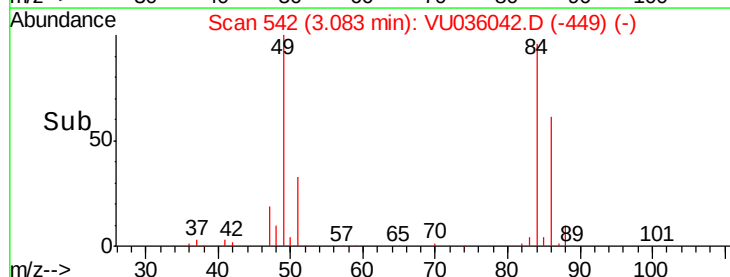
100000

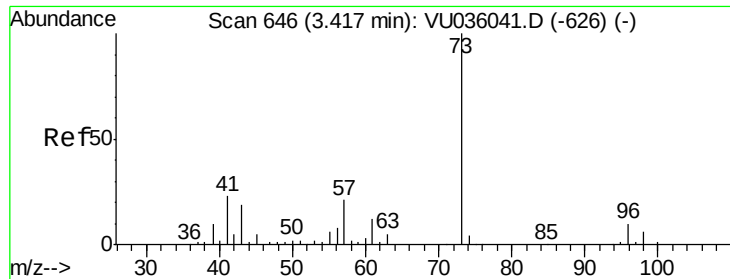
50000

0

Time-->

3.00 3.10 3.20





#17

Methyl tert-butyl Ether

Concen: 9.473 ug/L

RT: 3.41 min Scan# 645

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

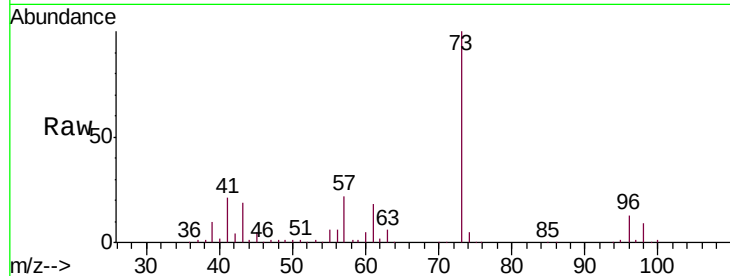
Tgt Ion: 73 Resp: 444950

Ion Ratio Lower Upper

73 100

43 18.4 15.6 23.4

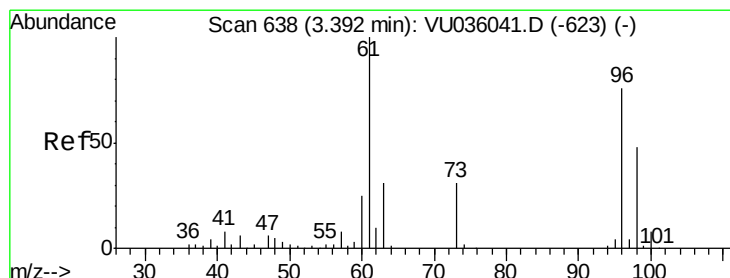
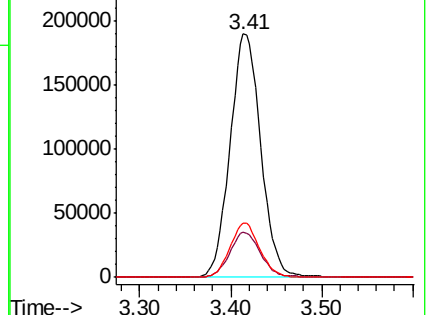
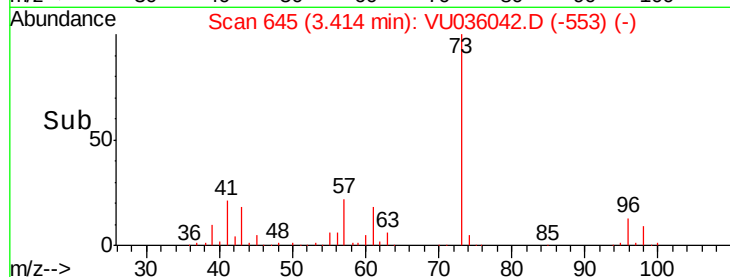
57 21.4 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU036041.D (-626) (-)

Ion 43.05 (42.75 to 43.75): VU036041.D (-626) (-)

Ion 57.10 (56.80 to 57.80): VU036041.D (-626) (-)



#18

trans-1,2-Dichloroethene

Concen: 9.557 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

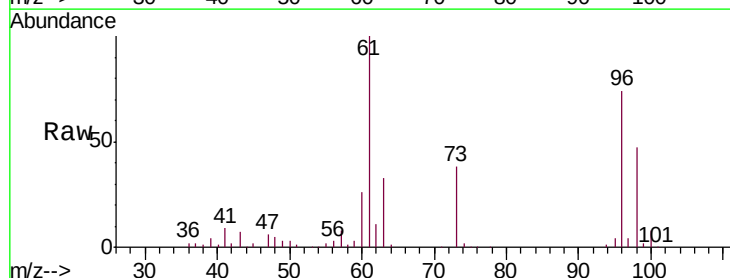
Tgt Ion: 96 Resp: 205616

Ion Ratio Lower Upper

96 100

61 134.7 92.0 170.8

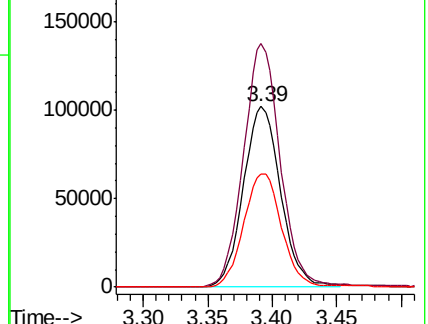
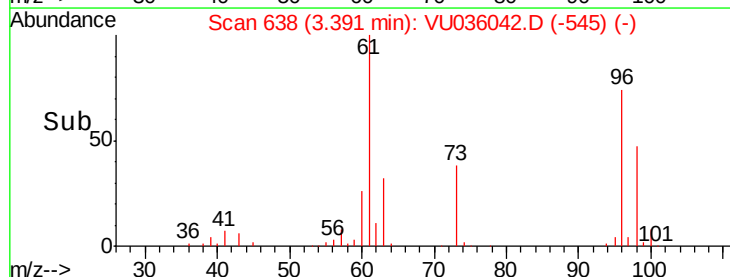
98 62.8 44.6 82.8

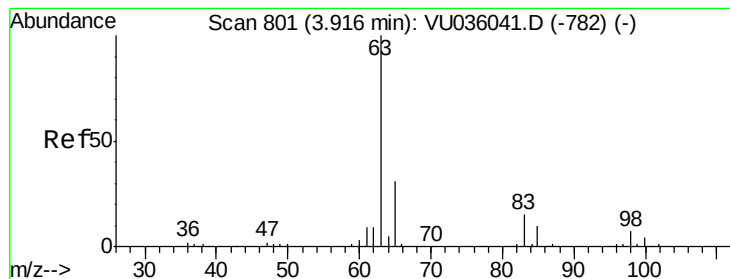


Abundance Ion 96.00 (95.70 to 96.70): VU036041.D (-623) (-)

Ion 61.05 (60.75 to 61.75): VU036041.D (-623) (-)

Ion 97.95 (97.65 to 98.65): VU036041.D (-623) (-)





#19

1,1-Dichloroethane

Concen: 8.833 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

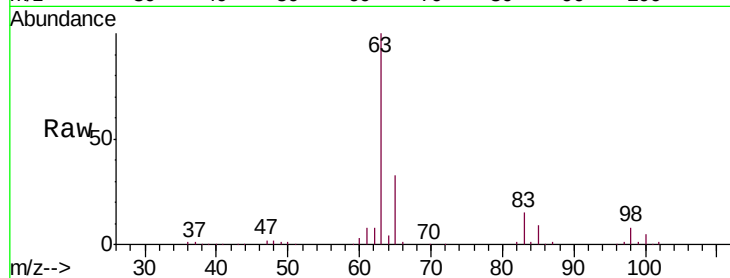
Tgt Ion: 63 Resp: 368407

Ion Ratio Lower Upper

63 100

65 32.5 21.8 40.4

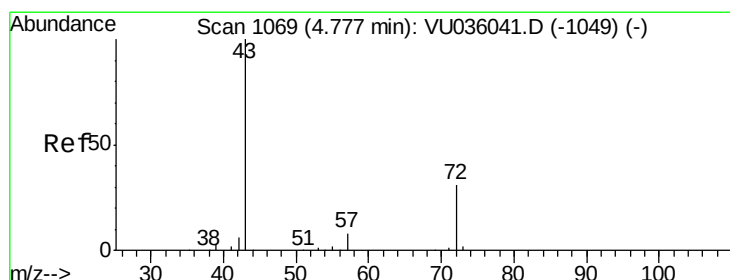
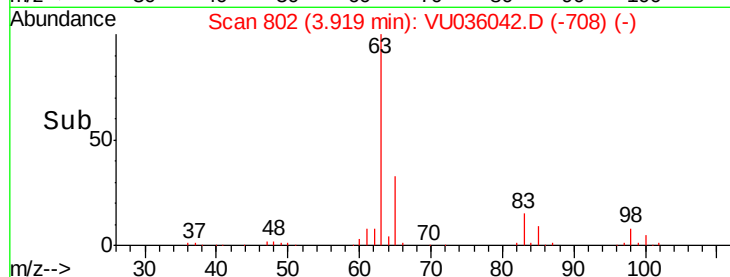
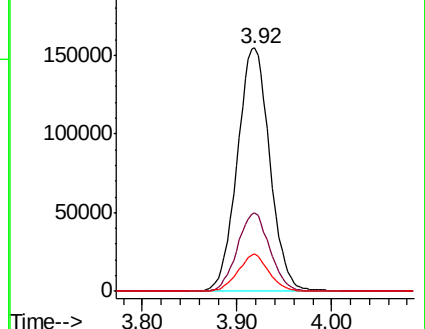
83 15.4 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU036041.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU036041.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU036041.D (-782) (-)



#21

2-Butanone

Concen: 84.627 ug/L

RT: 4.77 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VU036042.D

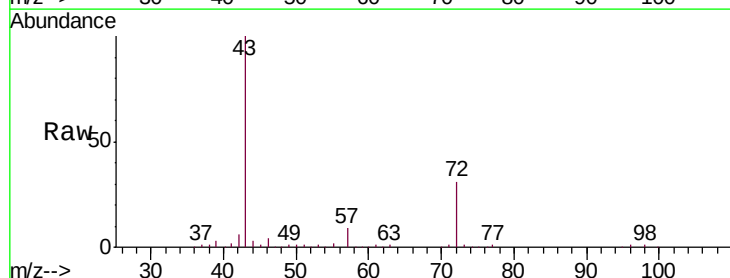
Acq: 09 Dec 2019 11:46

Tgt Ion: 43 Resp: 543025

Ion Ratio Lower Upper

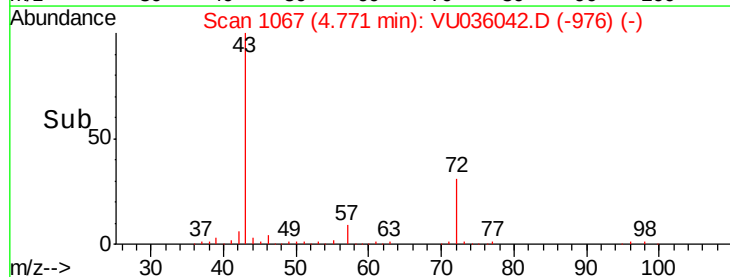
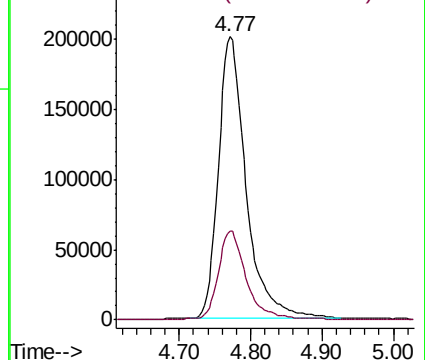
43 100

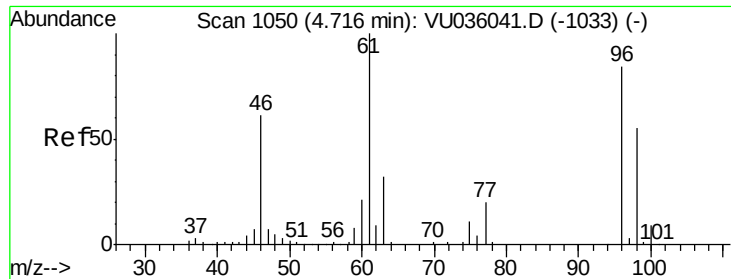
72 31.2 15.0 45.0



Abundance Ion 43.05 (42.75 to 43.75): VU036041.D (-1049) (-)

Ion 72.10 (71.80 to 72.80): VU036041.D (-1049) (-)

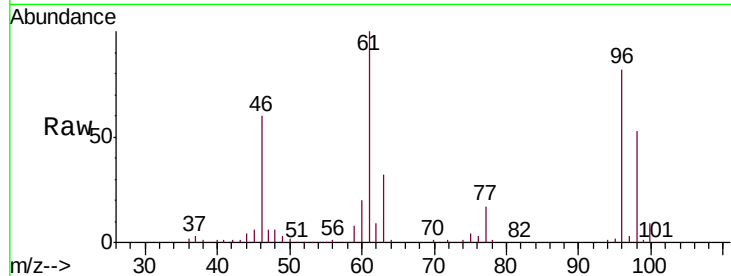




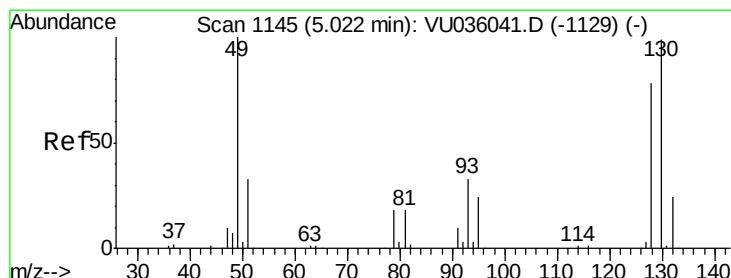
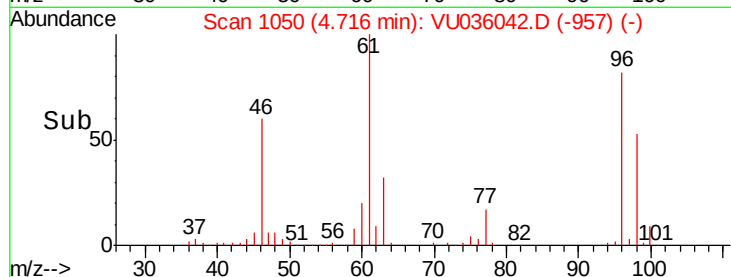
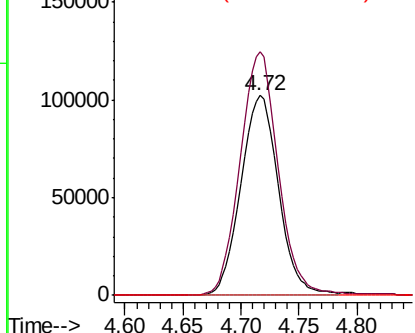
#22
 cis-1,2-Dichloroethene
 Concen: 10.108 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion: 96 Resp: 232020
 Ion Ratio Lower Upper
 96 100
 61 122.0 83.0 154.2
 68 0.0 0.0 0.0

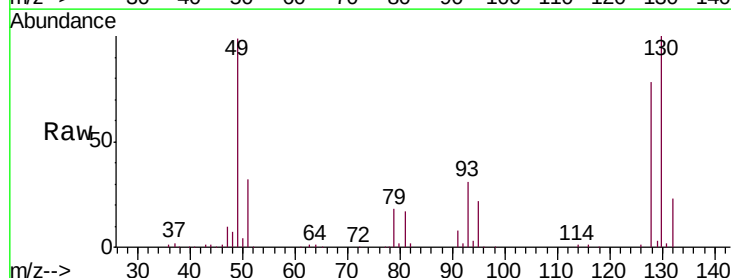


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

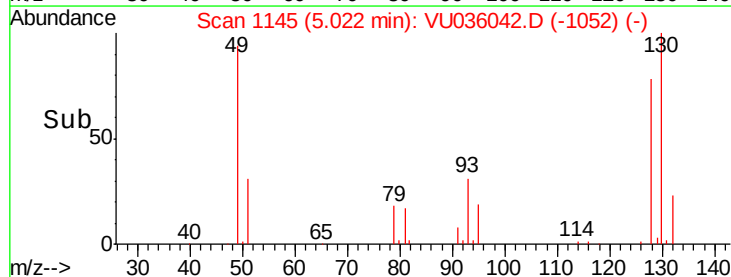
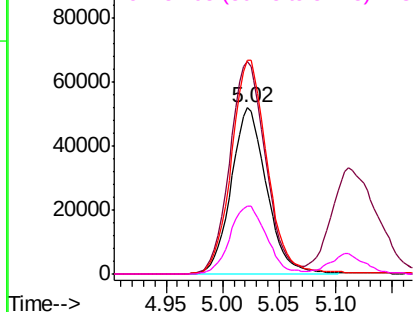


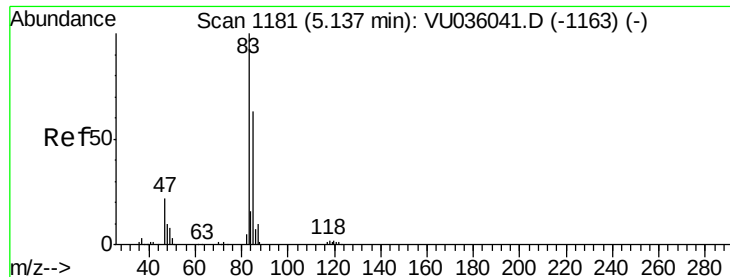
#23
 Bromochloromethane
 Concen: 10.648 ug/L
 RT: 5.02 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

Tgt Ion: 128 Resp: 113416
 Ion Ratio Lower Upper
 128 100
 49 127.5 90.2 167.6
 130 128.4 89.0 165.4
 51 40.8 33.8 50.6



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: 9.653 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

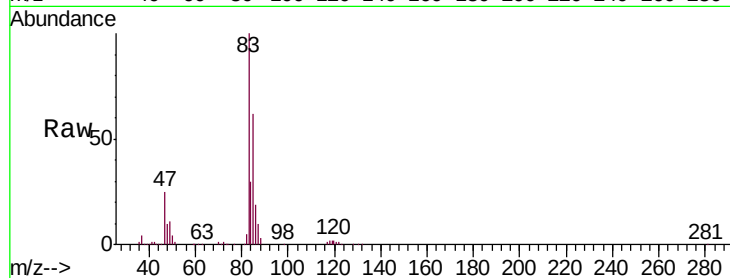
VSTD01002

Tgt Ion: 83 Resp: 412891

Ion Ratio Lower Upper

83 100

85 62.4 43.9 81.5



Abundance Ion 83.05 (82.75 to 83.75): VU036041.D (-1163) (-)

Ion 85.00 (84.70 to 85.70): VU036041.D (-1163) (-)

5.13

200000

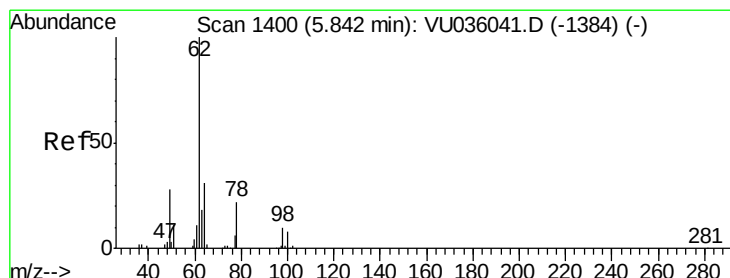
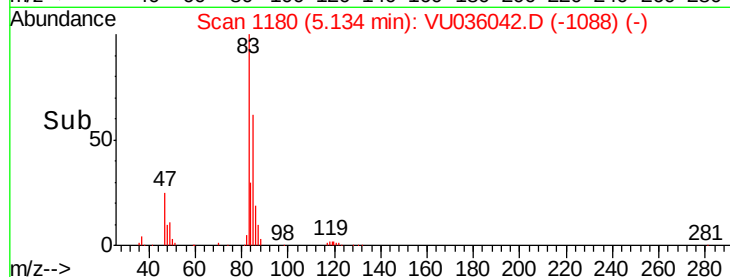
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 9.151 ug/L

RT: 5.84 min Scan# 1400

Delta R.T. -0.00 min

Lab File: VU036042.D

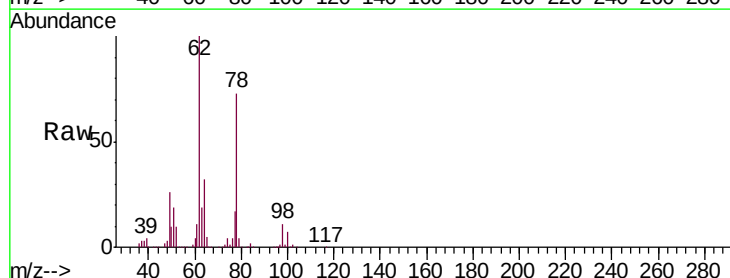
Acq: 09 Dec 2019 11:46

Tgt Ion: 62 Resp: 246524

Ion Ratio Lower Upper

62 100

98 10.8 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VU036041.D (-1384) (-)

Ion 98.05 (97.75 to 98.75): VU036041.D (-1384) (-)

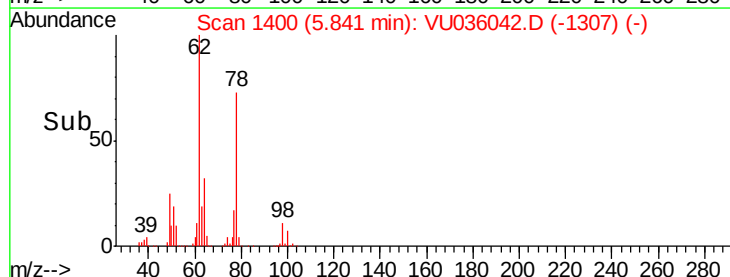
5.84

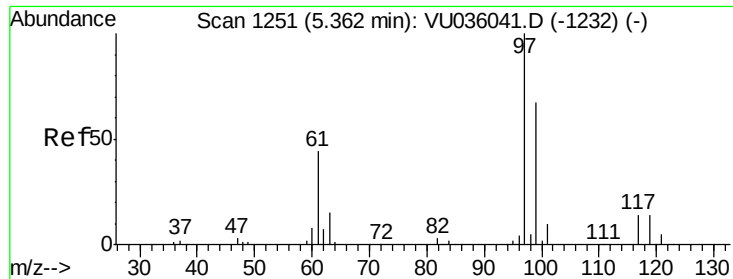
100000

50000

0

Time-->

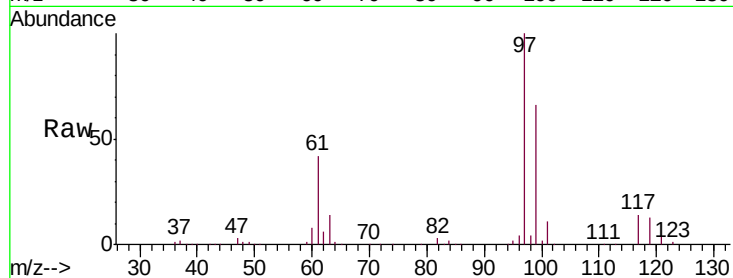




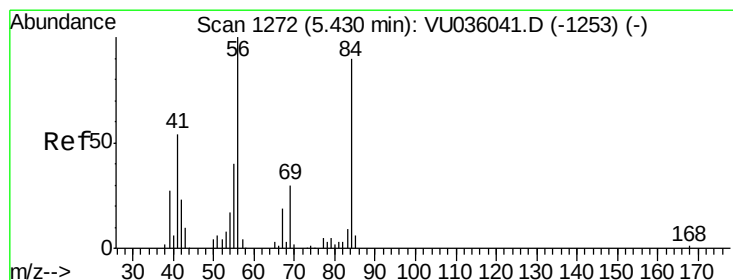
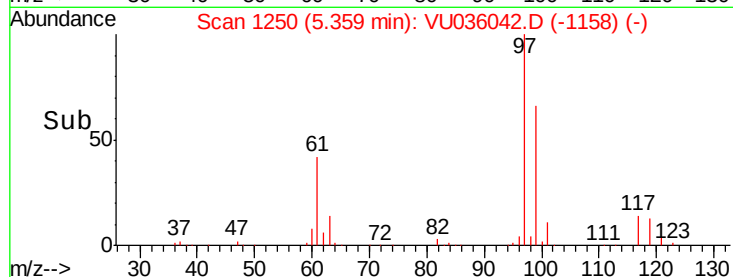
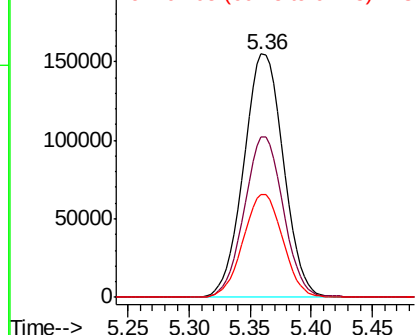
#29
1,1,1-Trichloroethane
Concen: 9.981 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036042.D
Acq: 09 Dec 2019 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Tgt Ion: 97 Resp: 349113
Ion Ratio Lower Upper
97 100
99 64.8 52.2 78.2
61 42.2 34.7 52.1

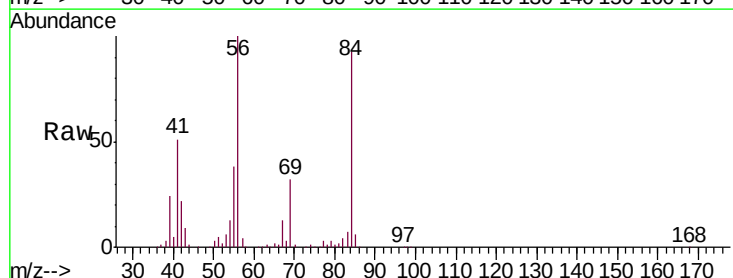


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

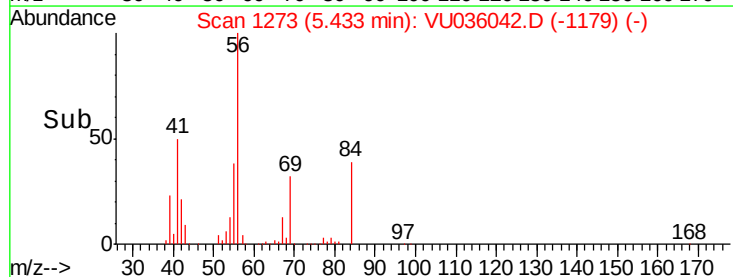
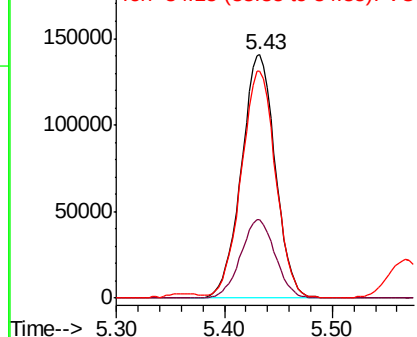


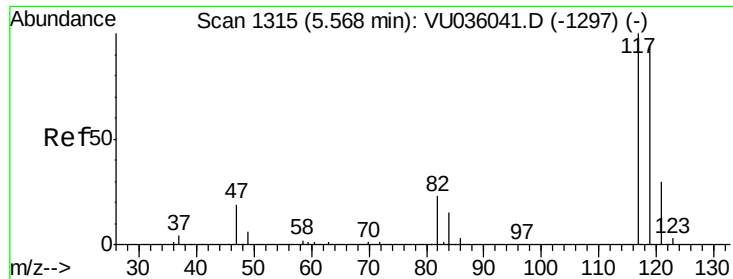
#30
Cyclohexane
Concen: 9.175 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU036042.D
Acq: 09 Dec 2019 11:46

Tgt Ion: 56 Resp: 306777
Ion Ratio Lower Upper
56 100
69 32.8 25.4 38.0
84 94.9 74.5 111.7



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 10.435 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

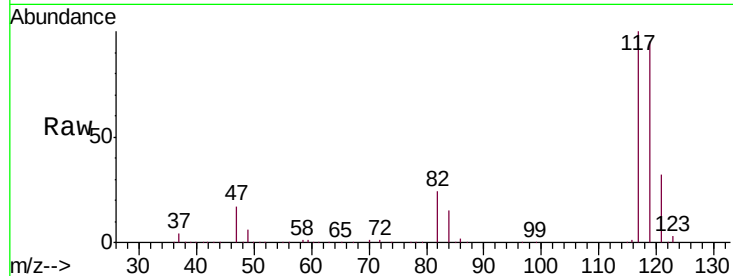
VSTD01002

Tgt Ion:117 Resp: 326028

Ion Ratio Lower Upper

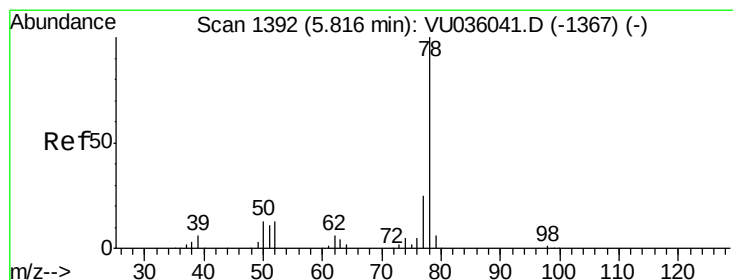
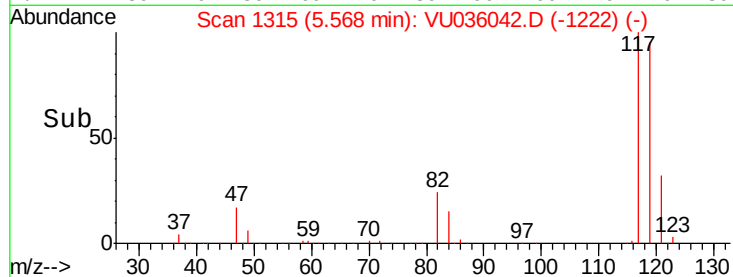
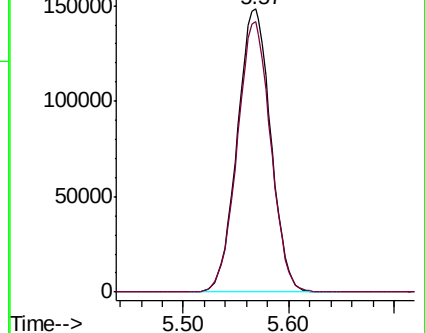
117 100

119 95.5 78.2 117.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.958 ug/L

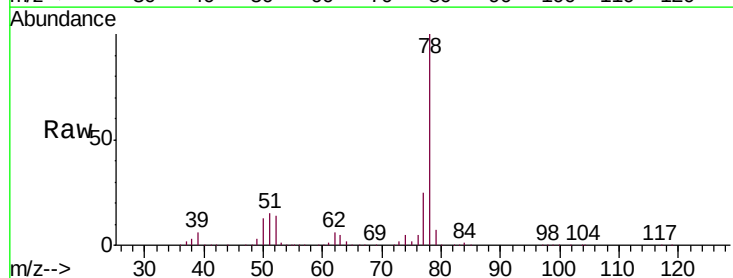
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

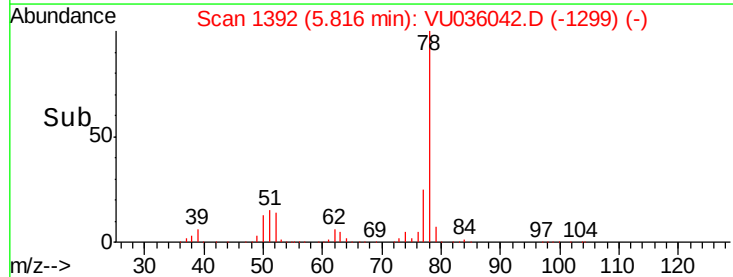
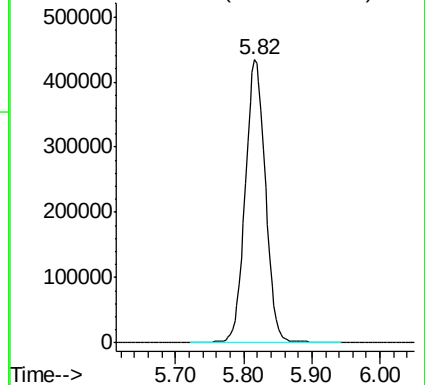
Lab File: VU036042.D

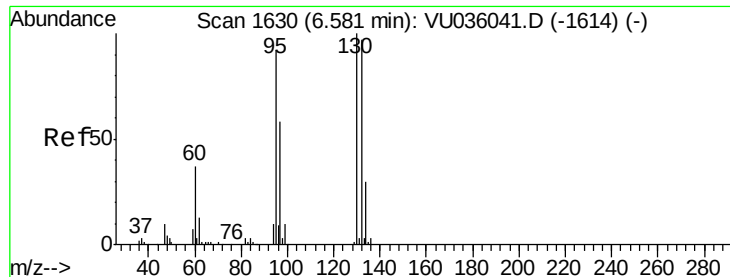
Acq: 09 Dec 2019 11:46

Tgt Ion: 78 Resp: 895191



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.938 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

Tgt Ion: 95 Resp: 228298

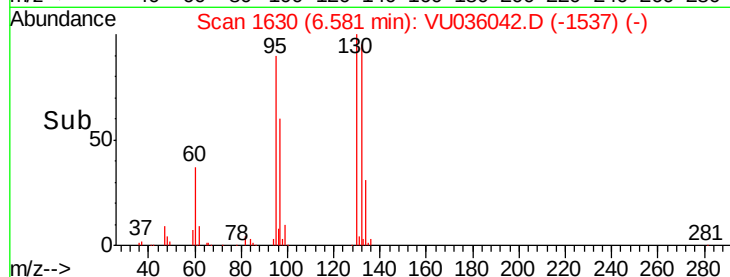
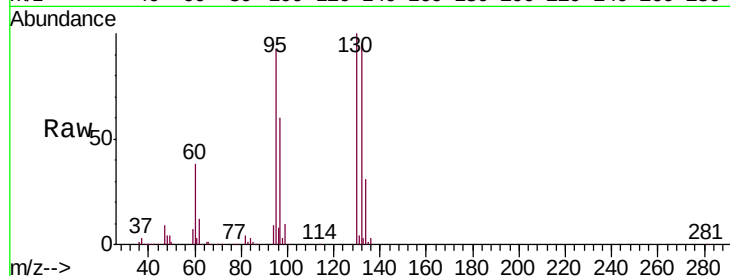
Ion Ratio Lower Upper

95 100

97 64.4 44.4 82.4

132 102.1 73.4 136.4

130 107.6 75.9 141.1

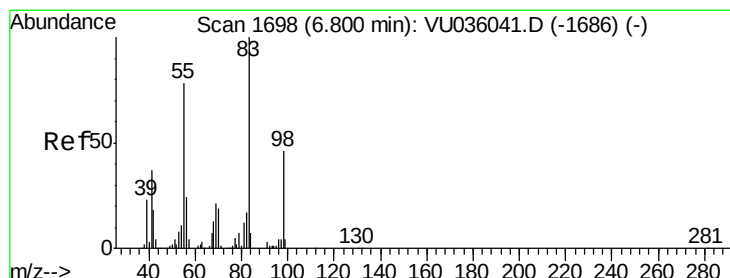
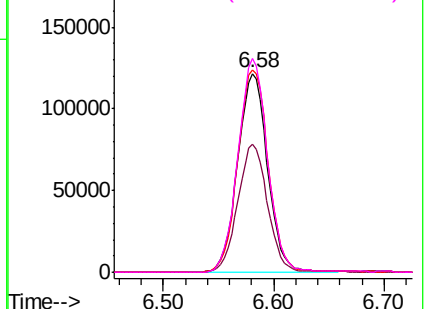


Abundance Ion 95.00 (94.70 to 95.70): VU036042.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU036042.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU036042.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU036042.D (-1537) (-)



#35

Methylcyclohexane

Concen: 10.609 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

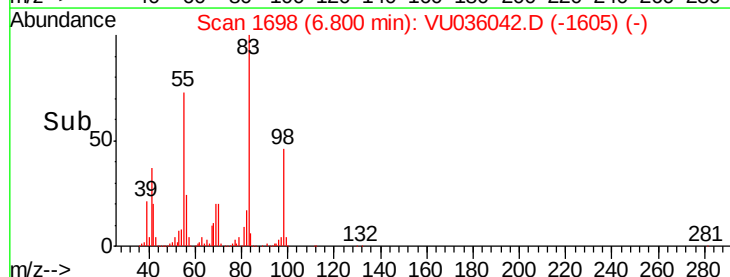
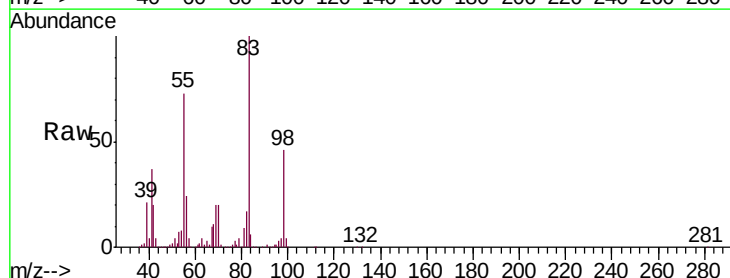
Tgt Ion: 83 Resp: 358734

Ion Ratio Lower Upper

83 100

55 73.6 62.1 93.1

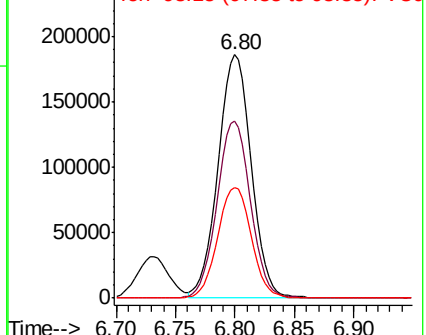
98 45.9 37.0 55.4

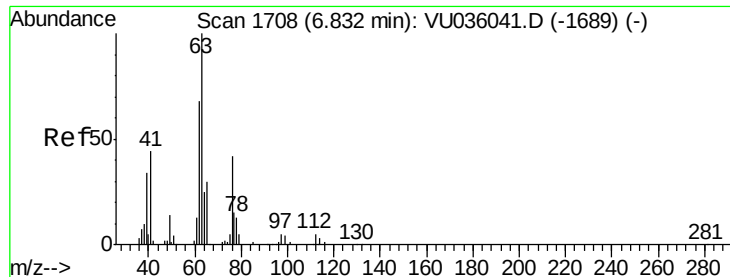


Abundance Ion 83.15 (82.85 to 83.85): VU036042.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU036042.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU036042.D (-1605) (-)

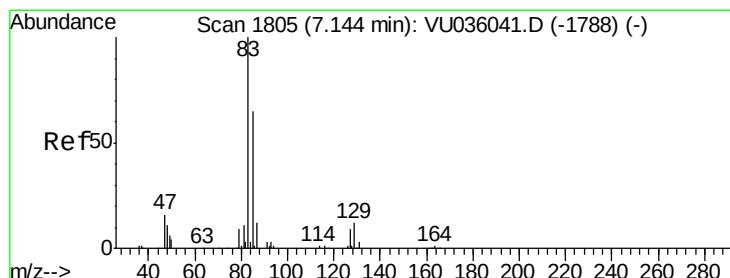
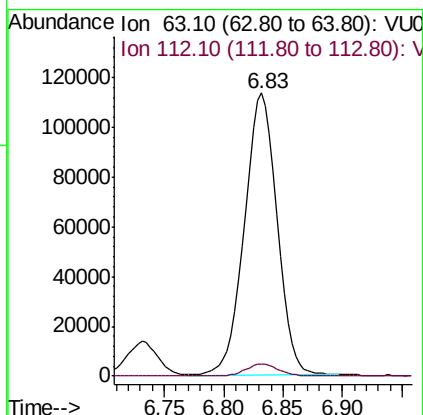
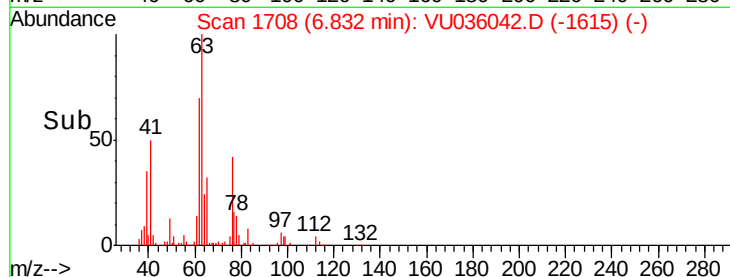
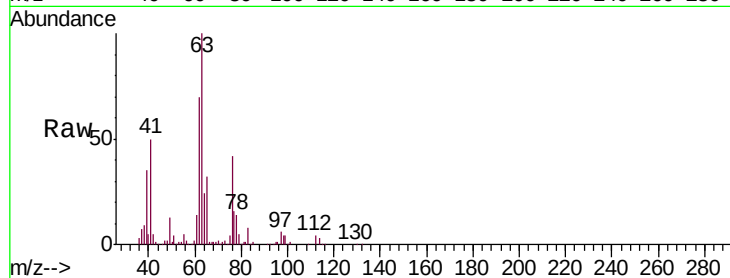




#37
 1,2-Dichloropropane
 Concen: 8.927 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

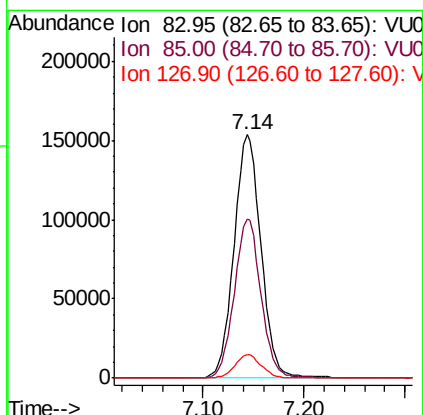
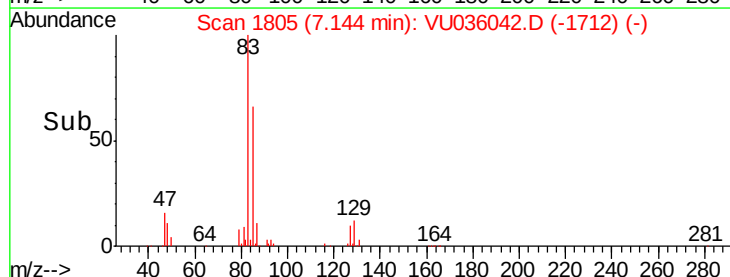
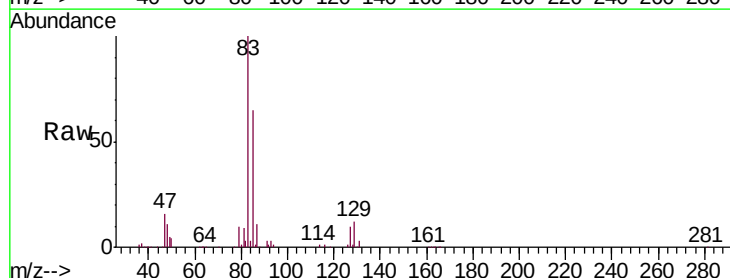
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

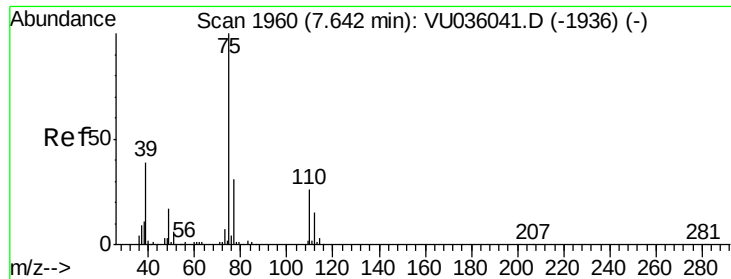
Tgt Ion: 63 Resp: 216194
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.8



#38
 Bromodichloromethane
 Concen: 9.745 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

Tgt Ion: 83 Resp: 285391
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.2 84.0
 127 9.7 7.4 11.2

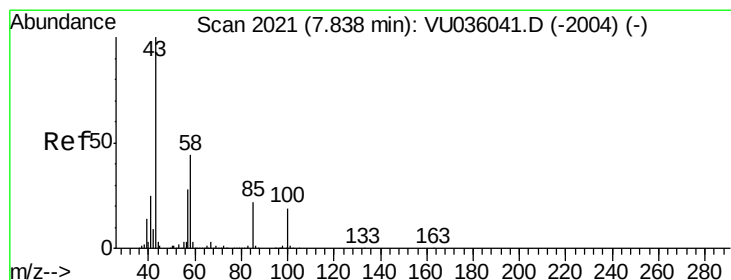
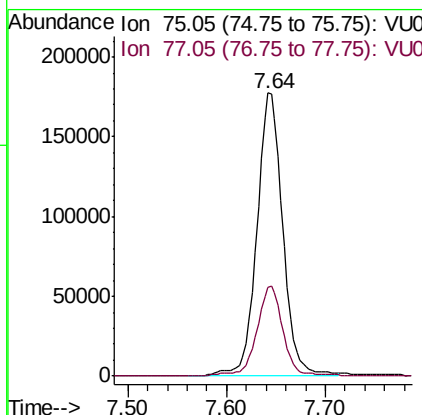
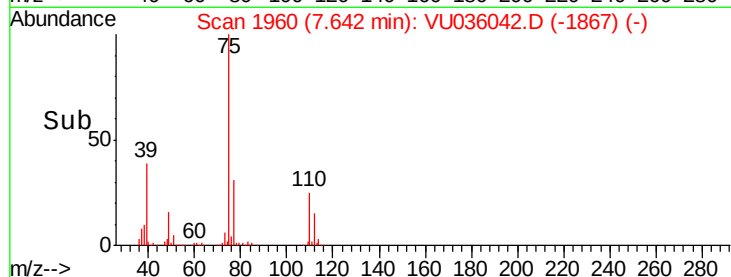
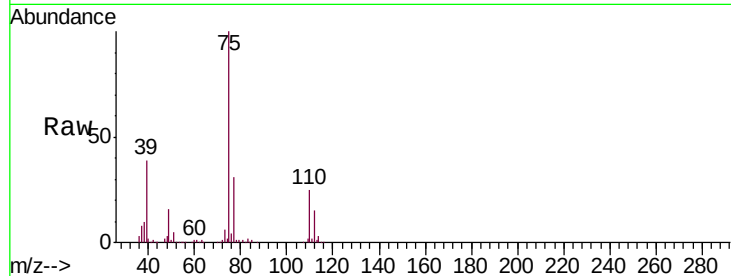




#39
 cis-1,3-Dichloropropene
 Concen: 10.005 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

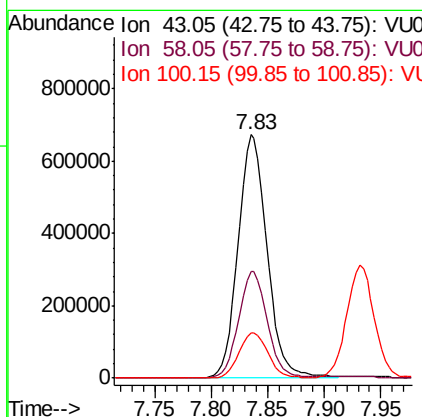
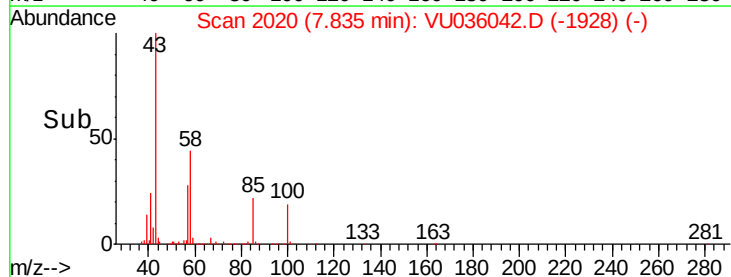
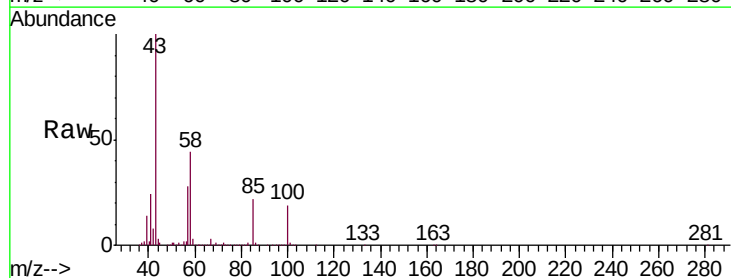
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

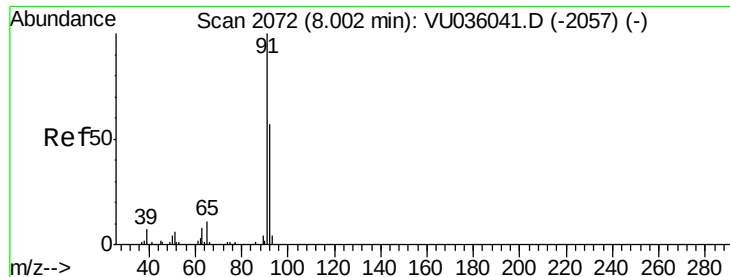
Tgt Ion: 75 Resp: 320602
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 87.008 ug/L
 RT: 7.83 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

Tgt Ion: 43 Resp: 1206366
 Ion Ratio Lower Upper
 43 100
 58 43.6 34.5 51.7
 100 18.7 14.3 21.5





#42

Toluene

Concen: 10.605 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

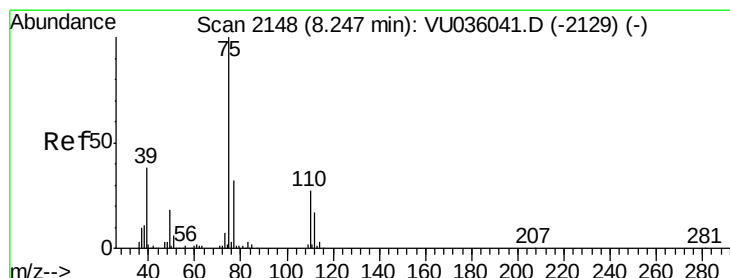
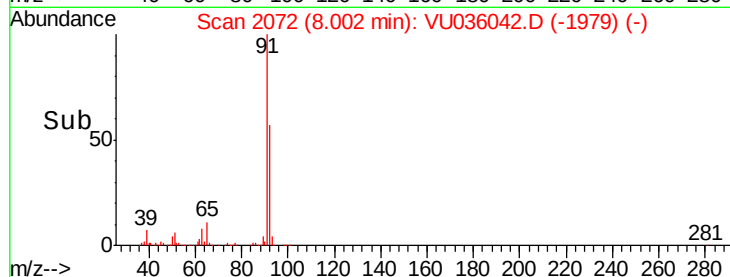
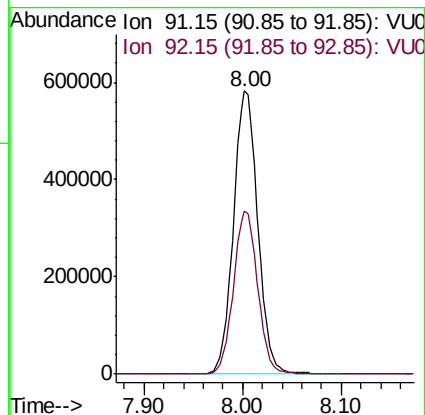
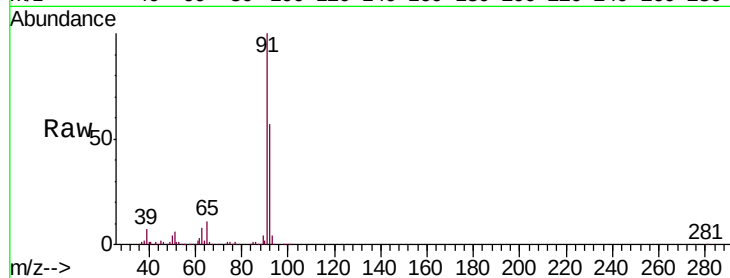
VSTD01002

Tgt Ion: 91 Resp: 1002975

Ion Ratio Lower Upper

91 100

92 57.4 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 9.841 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036042.D

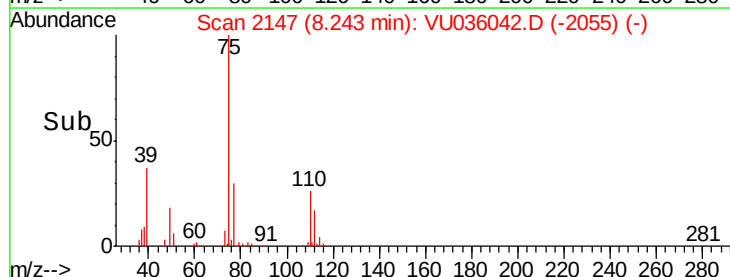
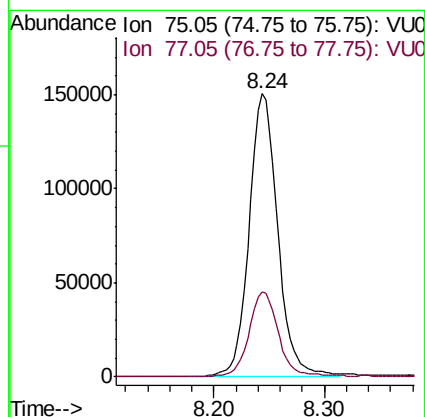
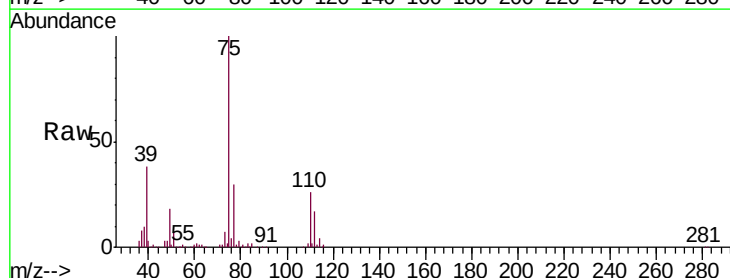
Acq: 09 Dec 2019 11:46

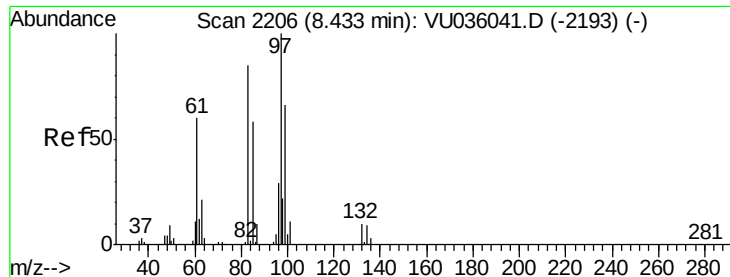
Tgt Ion: 75 Resp: 270370

Ion Ratio Lower Upper

75 100

77 29.9 22.9 42.5

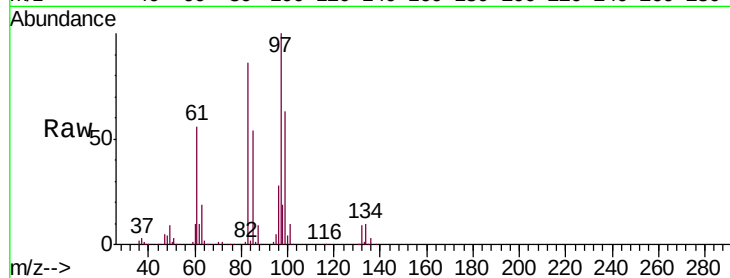




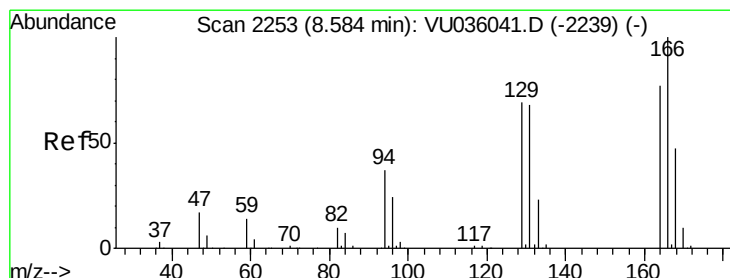
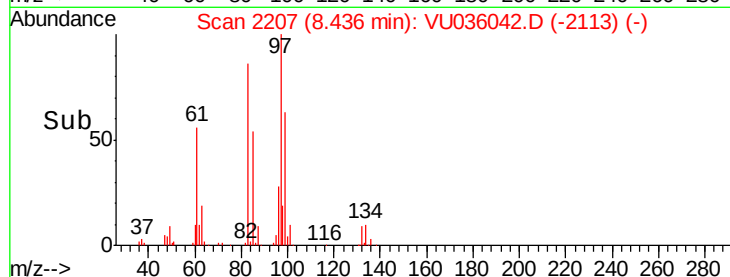
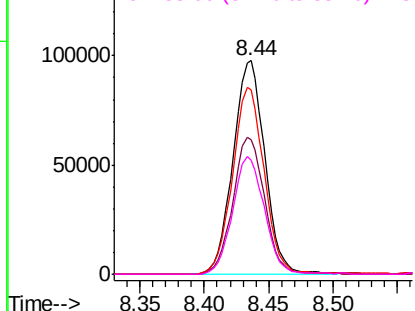
#45
 1,1,2-Trichloroethane
 Concen: 10.093 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion:	97	Resp:	168133
Ion	Ratio	Lower	Upper
97	100		
99	63.2	46.1	85.7
83	86.0	59.6	110.8
85	53.6	40.5	75.3

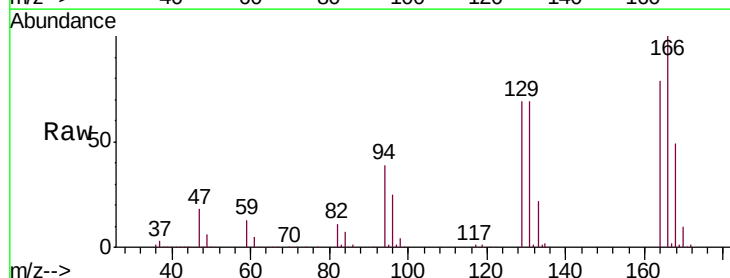


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

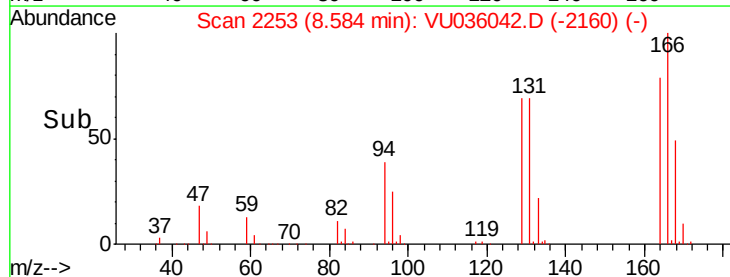
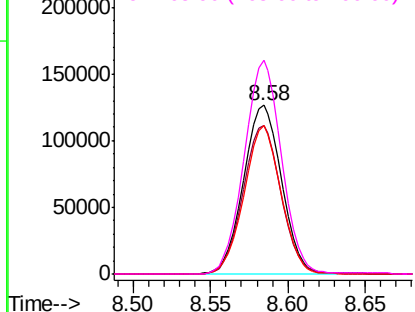


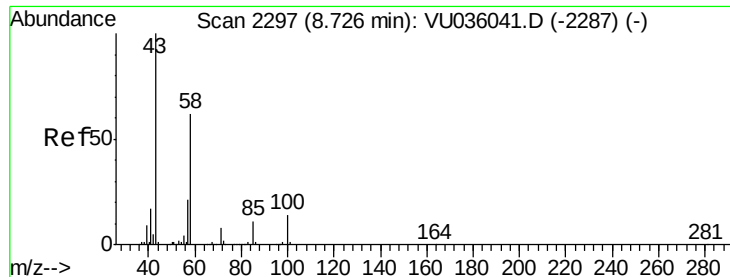
#47
 Tetrachloroethene
 Concen: 11.343 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

Tgt Ion:	164	Resp:	217031
Ion	Ratio	Lower	Upper
164	100		
129	88.0	63.1	117.3
131	87.8	61.5	114.1
166	126.8	91.0	169.0



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

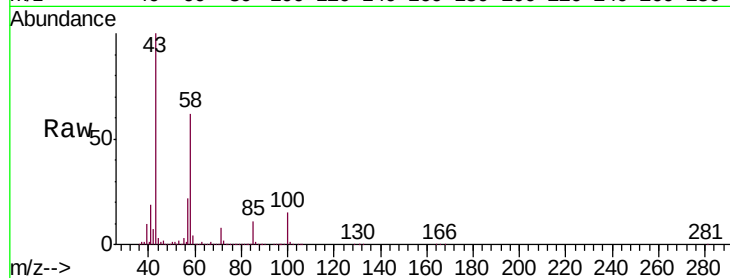




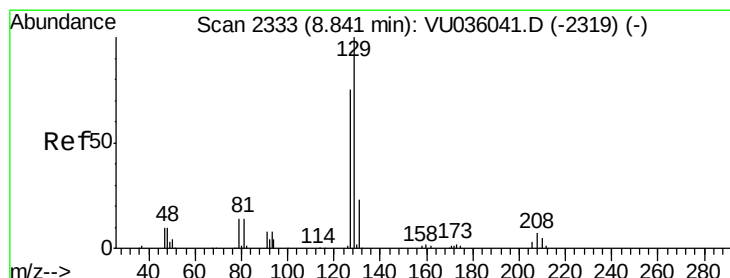
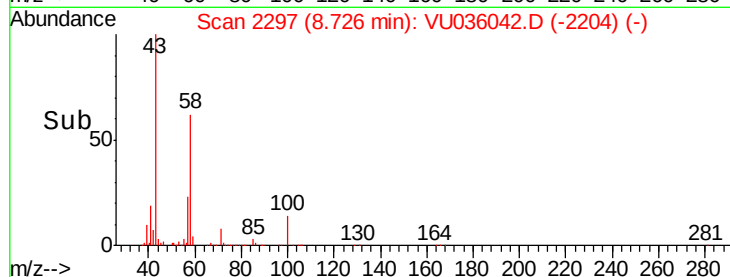
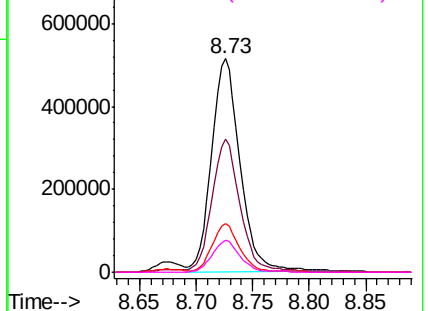
#48
2-Hexanone
Concen: 85.617 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU036042.D
Acq: 09 Dec 2019 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Tgt Ion:	43	Resp:	891732
Ion	Ratio	Lower	Upper
43	100		
58	63.3	46.9	70.3
57	22.8	16.4	24.6
100	14.8	11.0	16.4

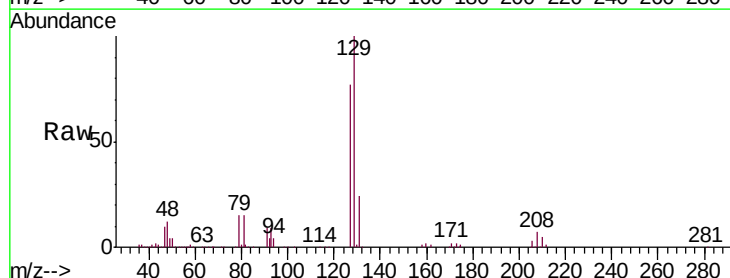


Abundance Ion 43.05 (42.75 to 43.75): VU036042.D (-2297) (-)
Ion 58.05 (57.75 to 58.75): VU036042.D (-2297) (-)
Ion 57.20 (56.90 to 57.90): VU036042.D (-2297) (-)
Ion 100.15 (99.85 to 100.85): VU036042.D (-2297) (-)

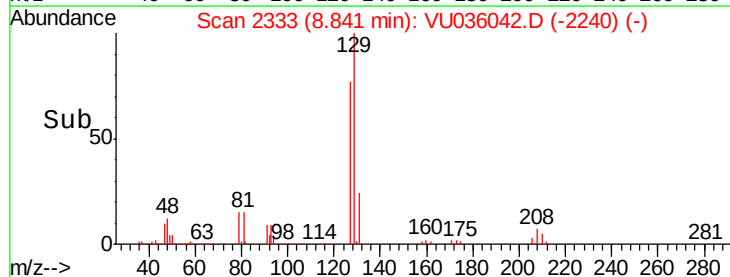
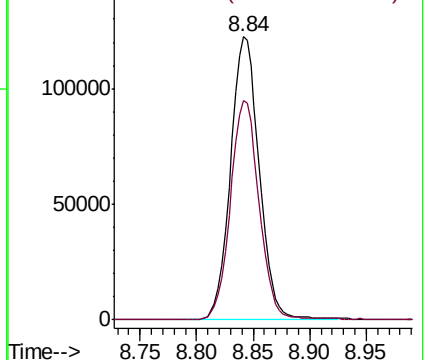


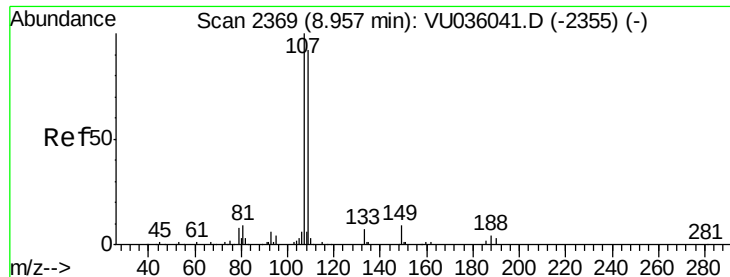
#49
Dibromochloromethane
Concen: 10.189 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036042.D
Acq: 09 Dec 2019 11:46

Tgt Ion:	129	Resp:	216551
Ion	Ratio	Lower	Upper
129	100		
127	77.4	52.5	97.5



Abundance Ion 128.95 (128.65 to 129.65): VU036042.D (-2333) (-)
Ion 126.90 (126.60 to 127.60): VU036042.D (-2333) (-)

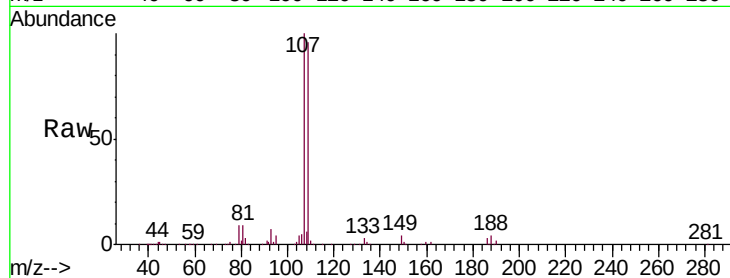




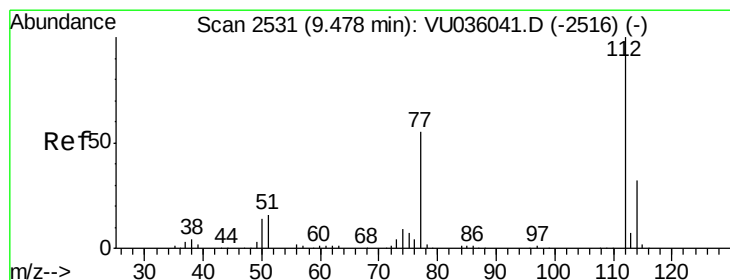
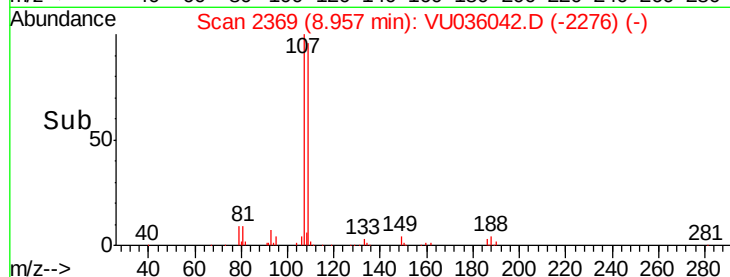
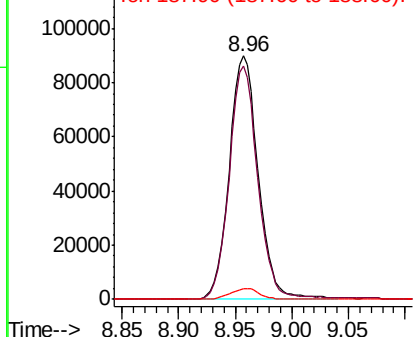
#50
1,2-Dibromoethane
Concen: 9.737 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU036042.D
Acq: 09 Dec 2019 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.8	64.3	119.3
188	4.2	3.6	5.4

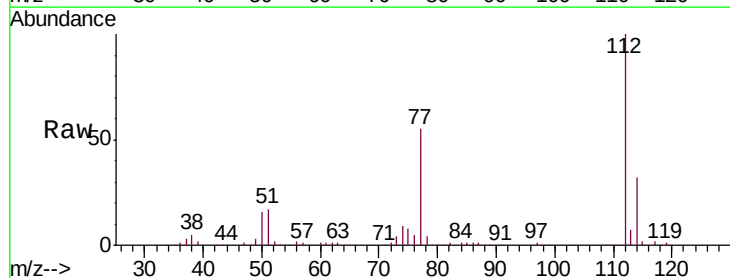


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

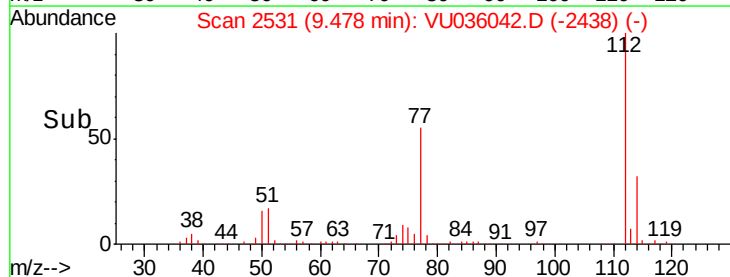
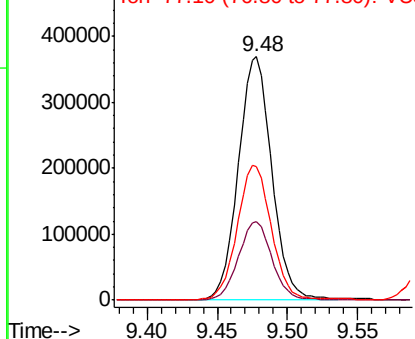


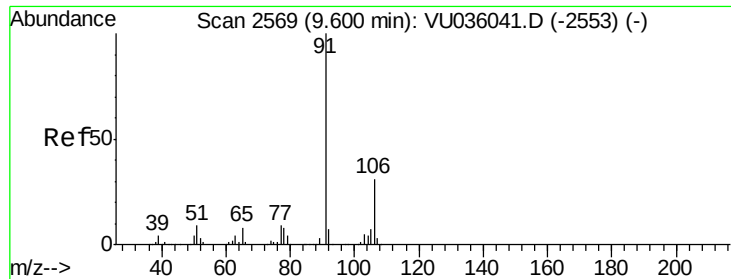
#51
Chlorobenzene
Concen: 10.126 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU036042.D
Acq: 09 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.3	41.5
77	54.9	43.8	65.8



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: 10.453 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

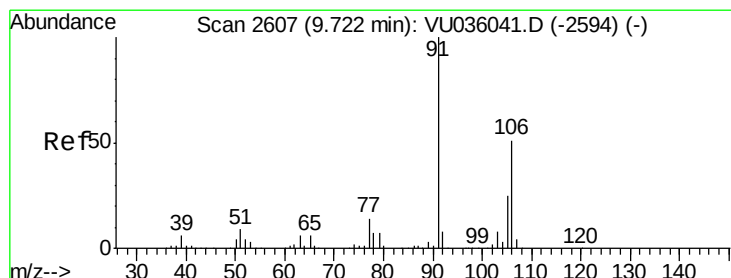
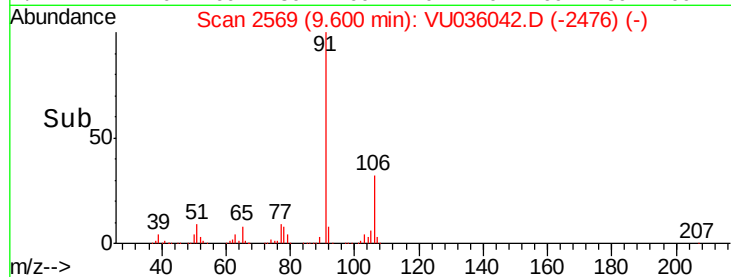
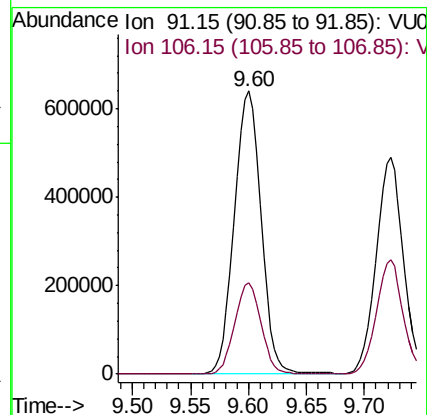
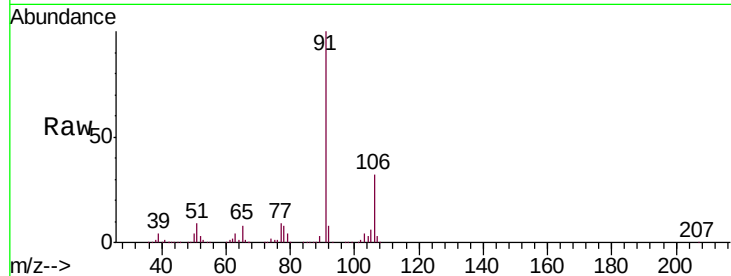
VSTD01002

Tgt Ion: 91 Resp: 1023601

Ion Ratio Lower Upper

91 100

106 32.5 22.0 41.0



#53

m,p-Xylene

Concen: 11.355 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU036042.D

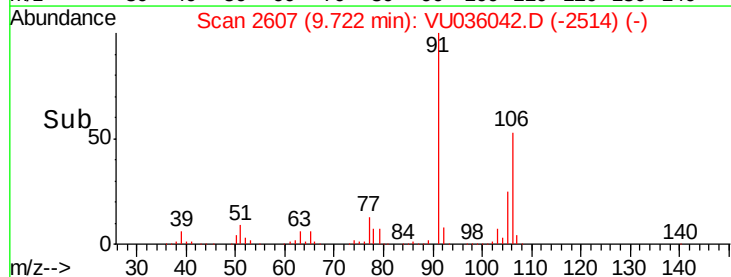
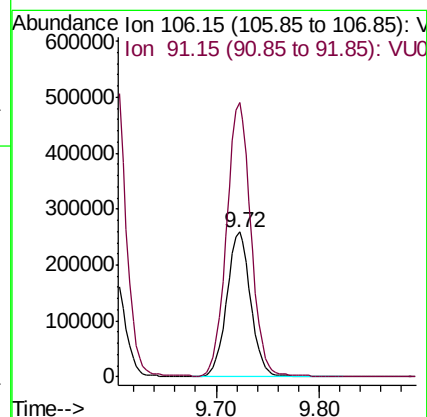
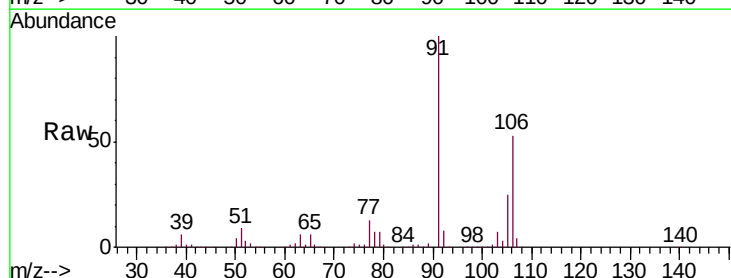
Acq: 09 Dec 2019 11:46

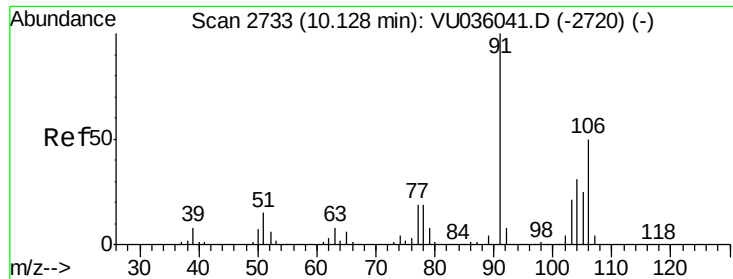
Tgt Ion: 106 Resp: 418572

Ion Ratio Lower Upper

106 100

91 189.0 136.9 254.3

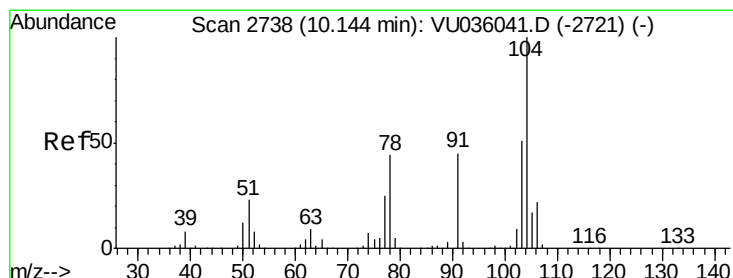
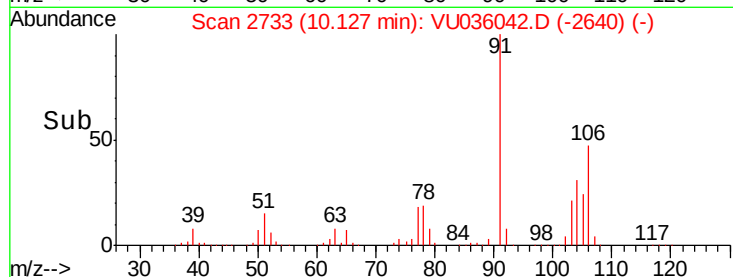
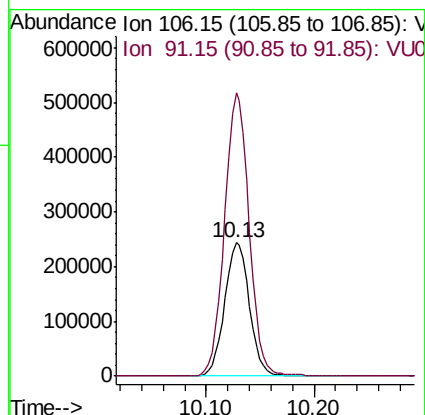
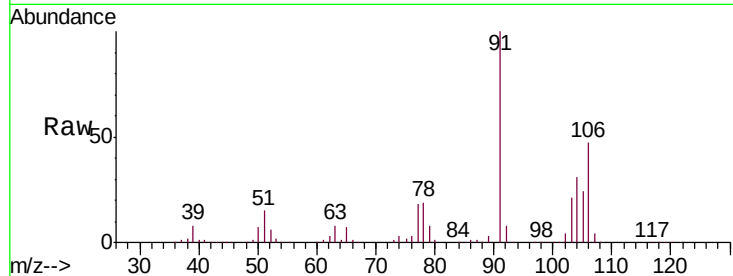




#54
o-Xylene
Concen: 11.444 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036042.D
Acq: 09 Dec 2019 11:46

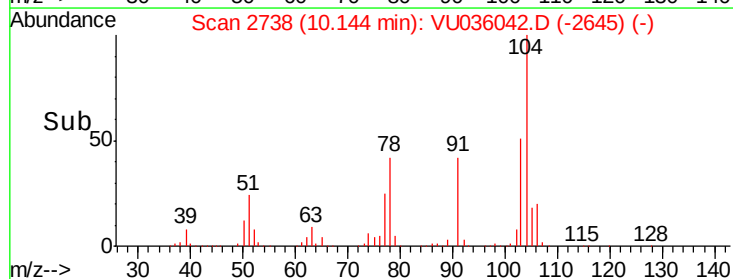
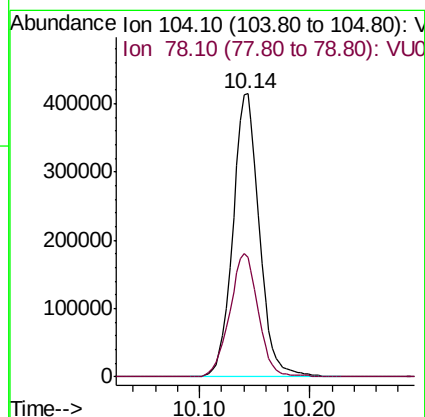
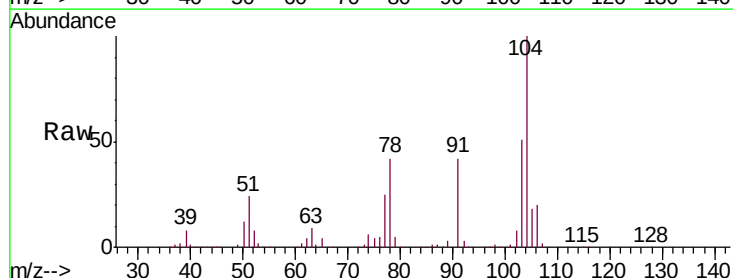
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

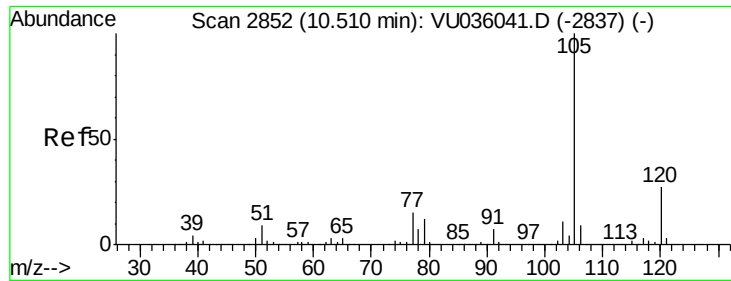
Tgt Ion:106 Resp: 389777
Ion Ratio Lower Upper
106 100
91 212.8 140.6 261.2



#55
Styrene
Concen: 12.066 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU036042.D
Acq: 09 Dec 2019 11:46

Tgt Ion:104 Resp: 689496
Ion Ratio Lower Upper
104 100
78 42.4 30.5 56.7





#56

Isopropylbenzene

Concen: 11.444 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

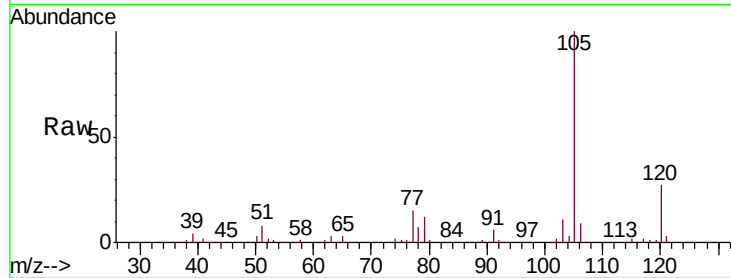
Tgt Ion:105 Resp: 1021202

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

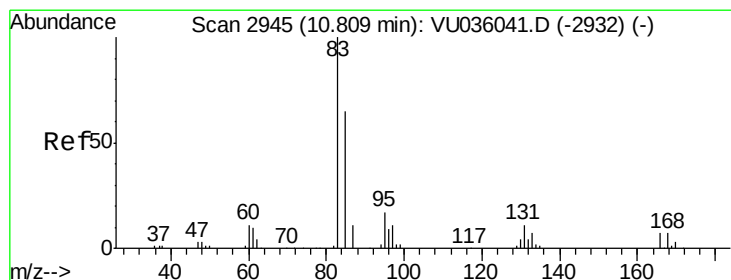
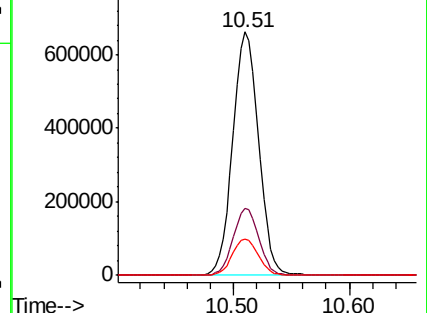
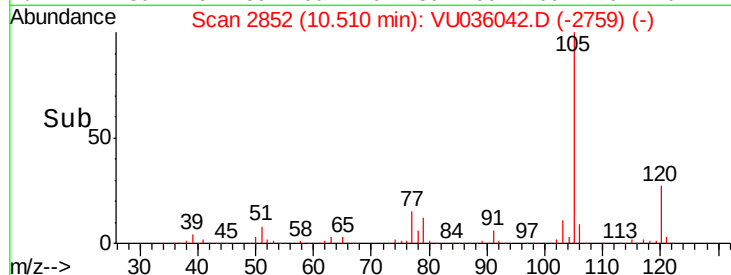
77 15.1 12.3 18.5



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: 9.413 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

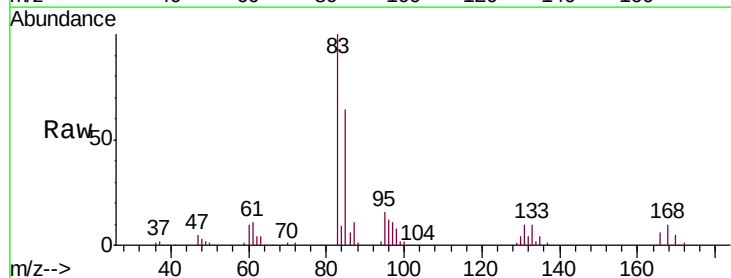
Tgt Ion: 83 Resp: 208425

Ion Ratio Lower Upper

83 100

85 63.8 45.4 84.2

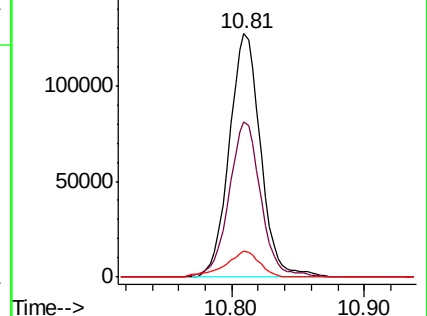
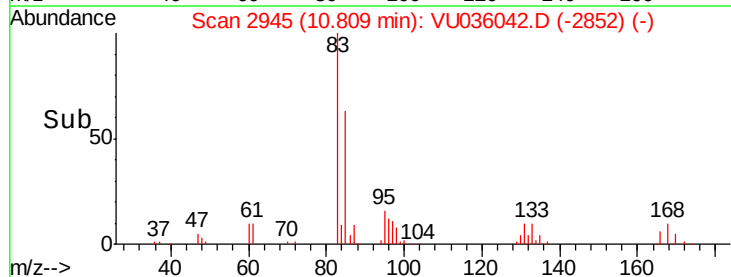
131 10.5 9.0 13.4

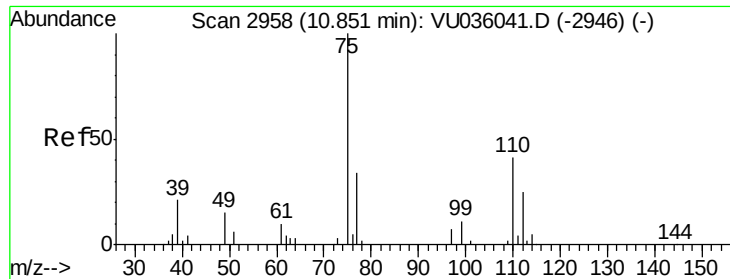


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

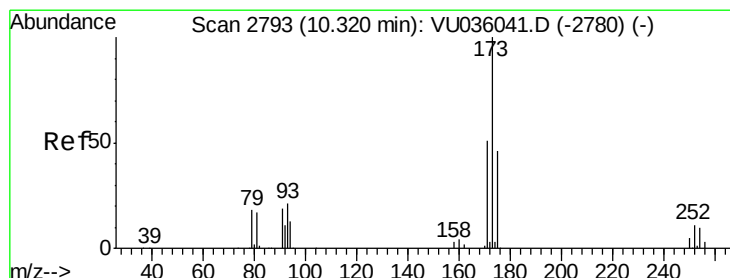
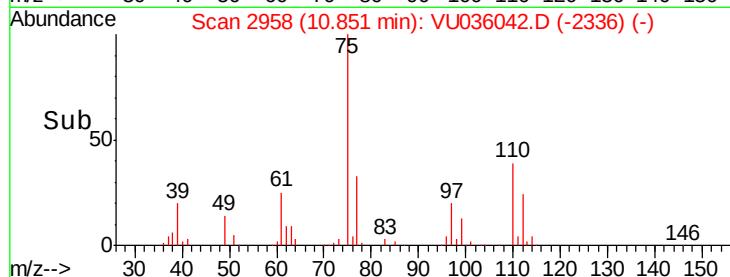
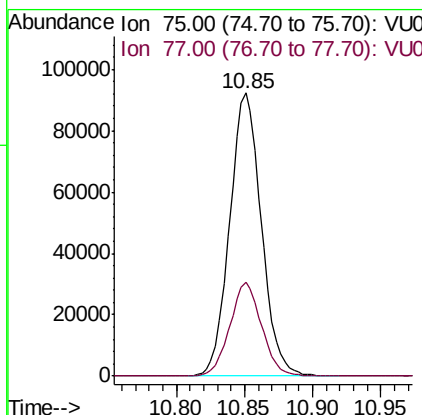
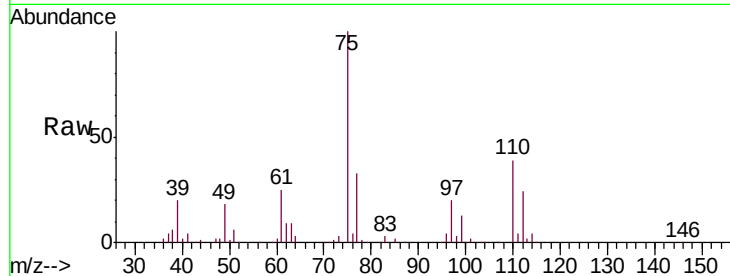




#59
 1,2,3-Trichloropropane
 Concen: 9.403 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

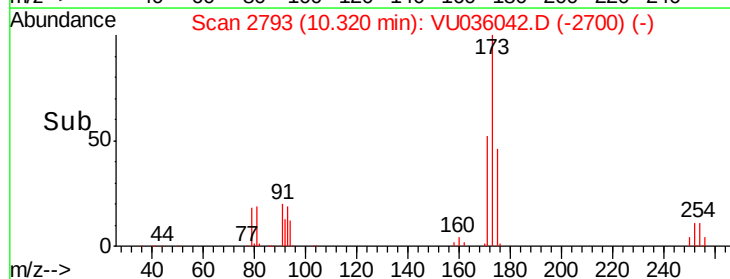
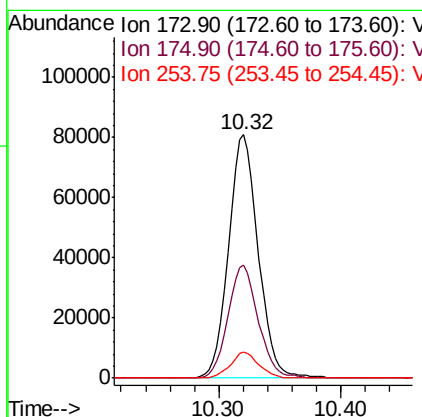
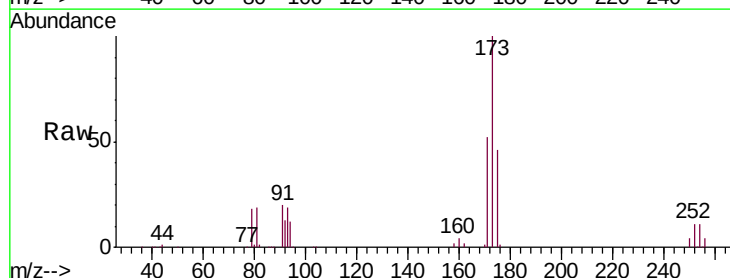
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

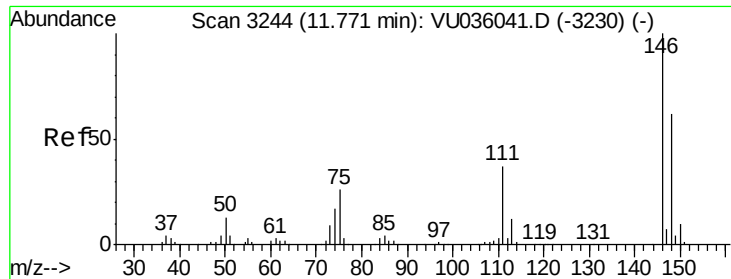
Tgt Ion: 75 Resp: 148605
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.7 40.1



#61
 Bromoform
 Concen: 9.162 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

Tgt Ion: 173 Resp: 137188
 Ion Ratio Lower Upper
 173 100
 175 47.3 39.4 59.0
 254 10.3 8.1 12.1

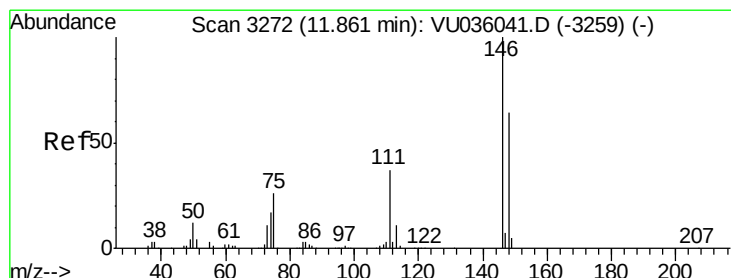
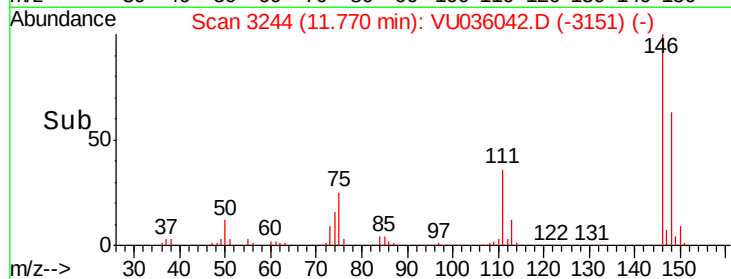
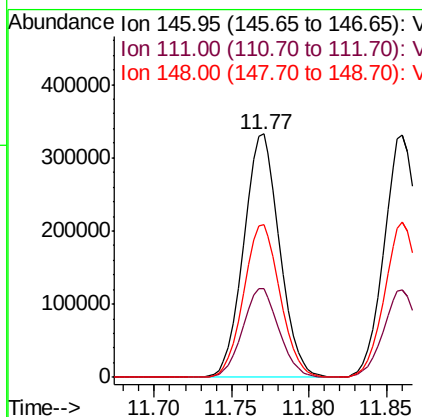
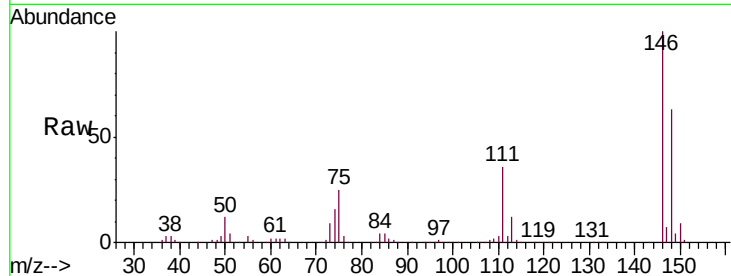




#62
 1,3-Dichlorobenzene
 Concen: 9.996 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

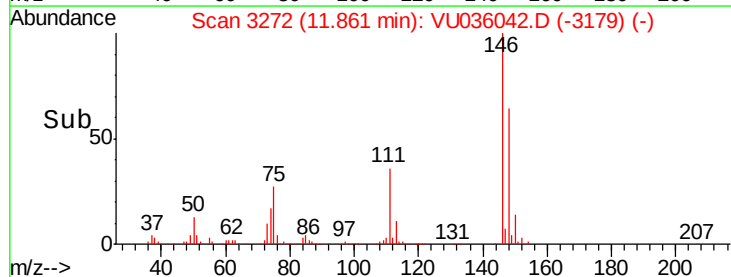
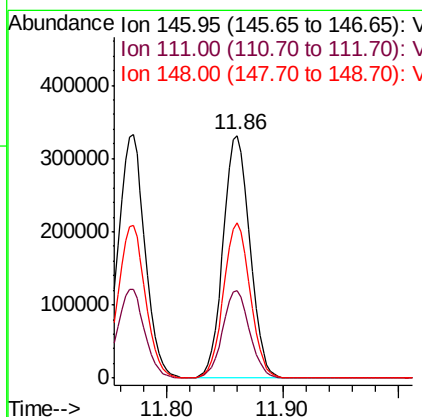
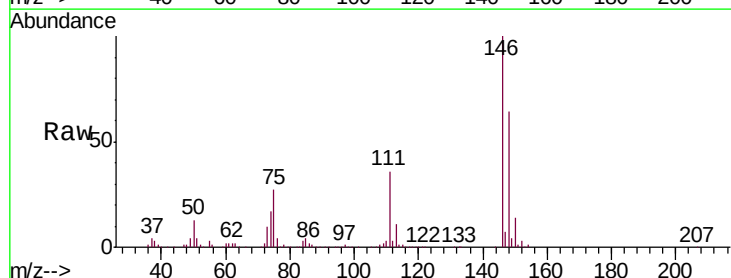
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

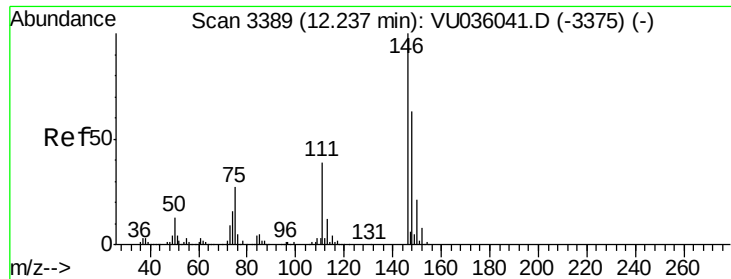
Tgt Ion:146 Resp: 536513
 Ion Ratio Lower Upper
 146 100
 111 36.3 26.0 48.2
 148 62.7 43.7 81.1



#63
 1,4-Dichlorobenzene
 Concen: 9.869 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

Tgt Ion:146 Resp: 527023
 Ion Ratio Lower Upper
 146 100
 111 36.1 26.2 48.6
 148 64.0 44.9 83.5

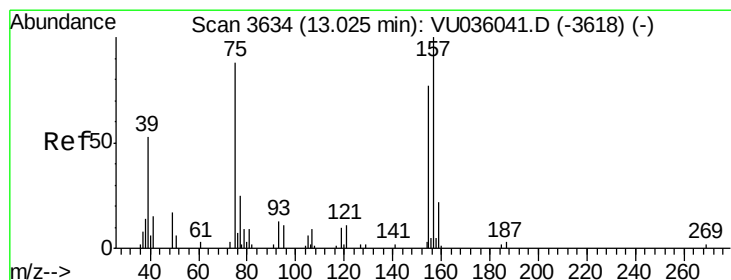
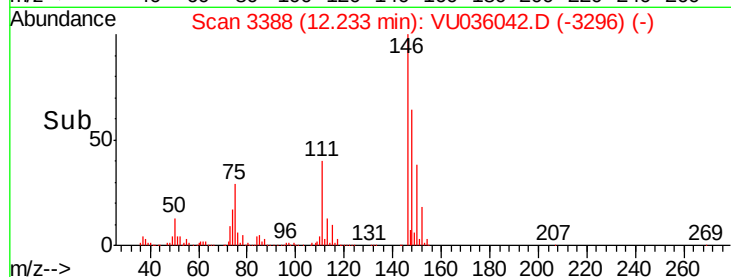
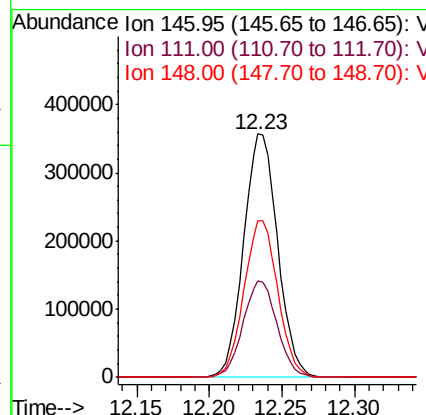
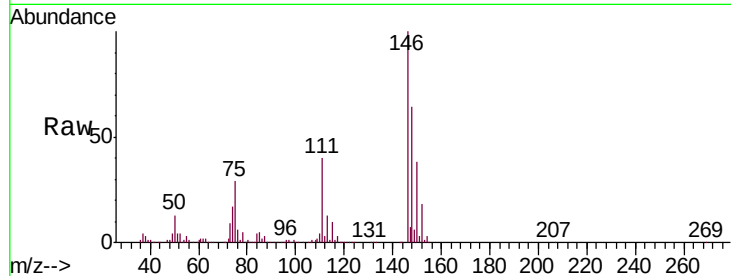




#65
 1,2-Dichlorobenzene
 Concen: 11.312 ug/L
 RT: 12.23 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

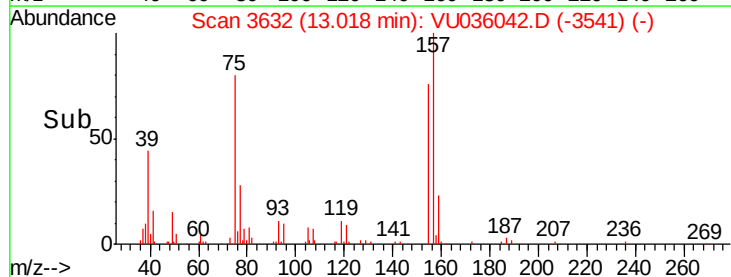
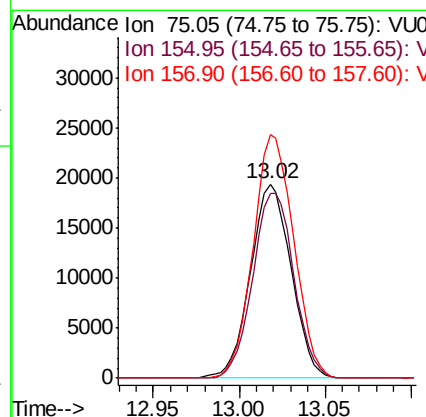
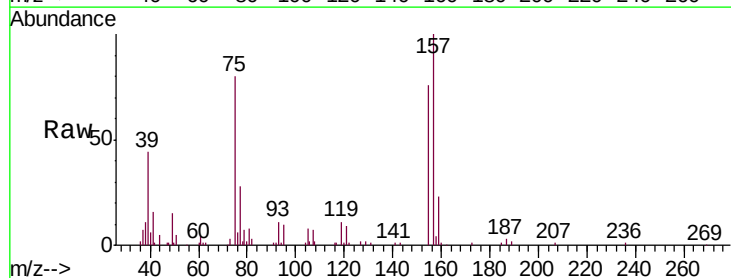
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

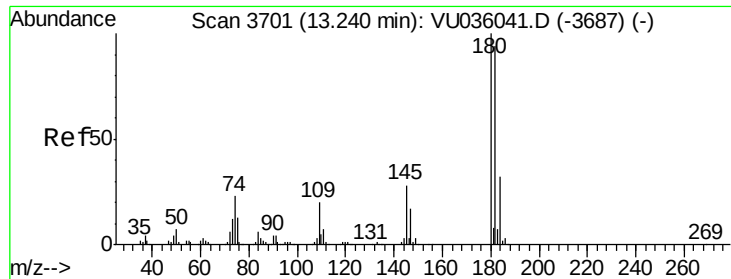
Tgt Ion: 146 Resp: 579777
 Ion Ratio Lower Upper
 146 100
 111 39.6 31.3 46.9
 148 64.2 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.113 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.01 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

Tgt Ion: 75 Resp: 31854
 Ion Ratio Lower Upper
 75 100
 155 94.8 70.0 105.0
 157 125.3 90.5 135.7

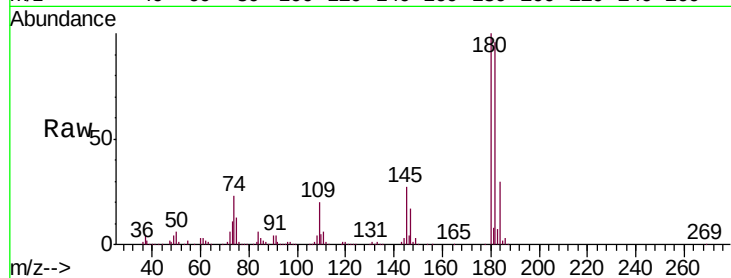




#67
 1,3,5-Trichlorobenzene
 Concen: 10.333 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion:	180	Resp:	387422
Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.2	112.8
184	30.3	24.2	36.2
145	27.5	21.7	32.5



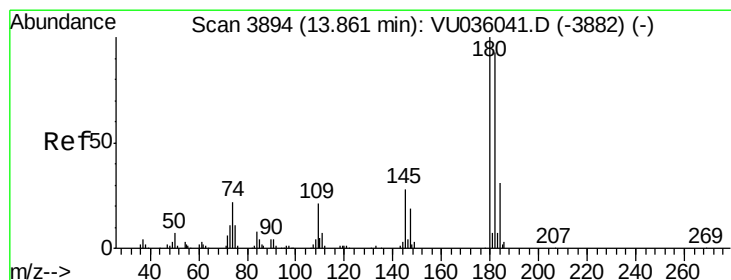
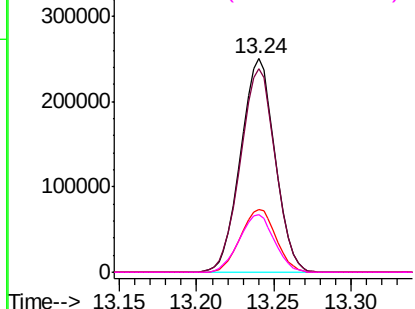
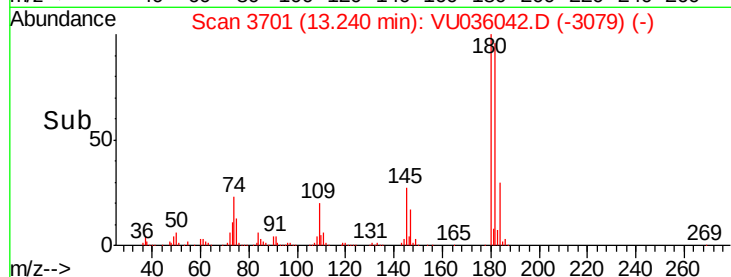
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

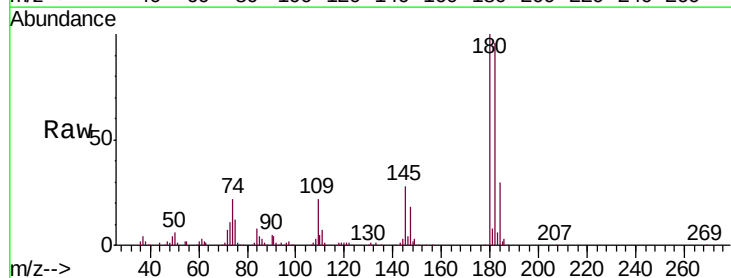
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 11.689 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036042.D
 Acq: 09 Dec 2019 11:46

Tgt Ion:	180	Resp:	233465
Ion	Ratio	Lower	Upper
180	100		
182	96.5	74.3	111.5
145	28.1	22.1	33.1

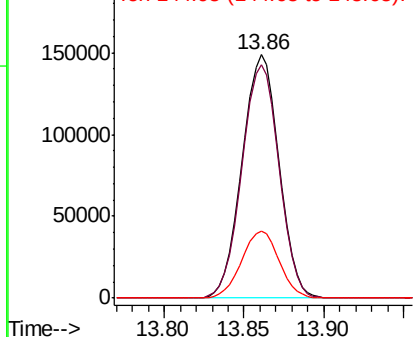
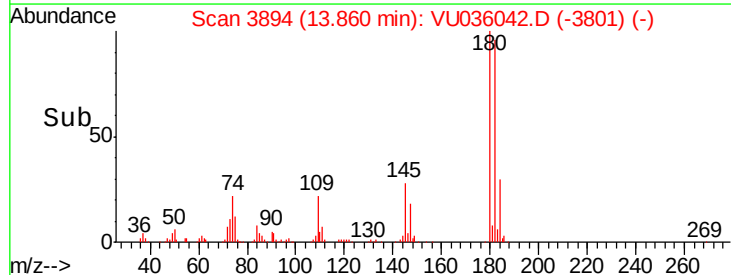


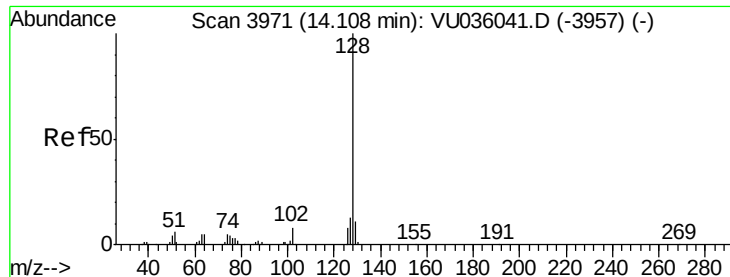
Abundance

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: 10.630 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

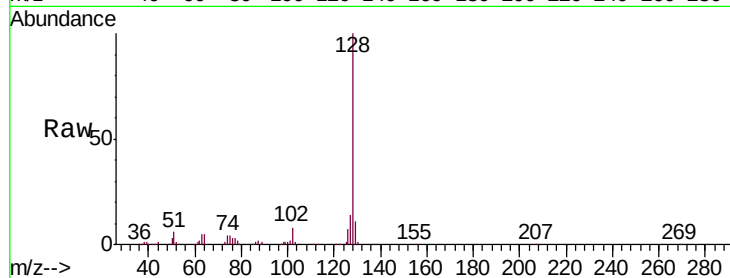
Tgt Ion:128 Resp: 233706

Ion Ratio Lower Upper

128 100

129 10.7 9.2 13.8

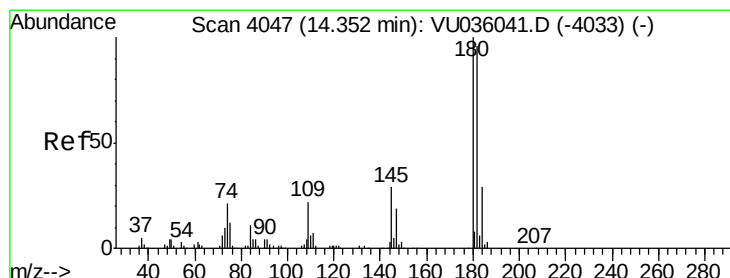
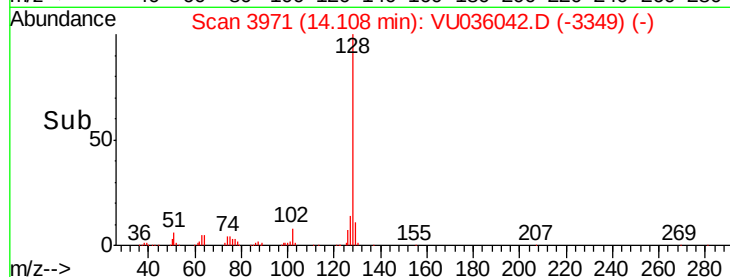
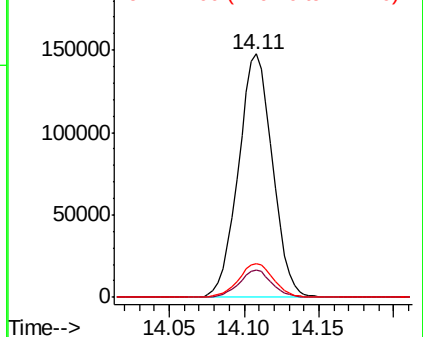
127 14.2 11.1 16.7



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: 11.536 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036042.D

Acq: 09 Dec 2019 11:46

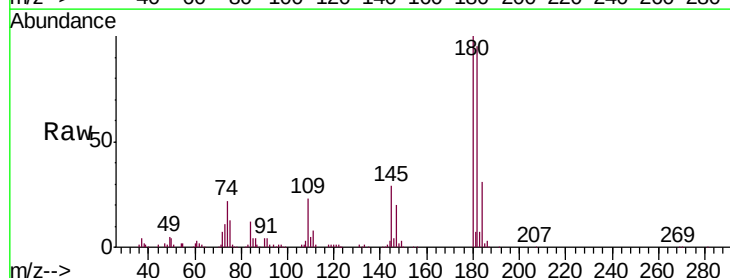
Tgt Ion:180 Resp: 223541

Ion Ratio Lower Upper

180 100

182 96.4 76.9 115.3

145 29.1 23.5 35.3



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

