

Data File : VU036039.D
Acq On : 09 Dec 2019 10:27
Operator : JC/MD
Sample : VSTD0.505
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Quant Time: Dec 10 01:02:32 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	237800	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	288581	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	99288	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	12226	0.48	ug/L	0.00
7) Chloroethane-d5	1.93	69	12859	0.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	19909	0.52	ug/L	0.00
20) 2-Butanone-d5	4.70	46	18189	4.06	ug/L	0.00
24) Chloroform-d	5.11	84	17843	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	10704	0.56	ug/L	0.00
32) Benzene-d6	5.77	84	33521	0.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	10179	0.39	ug/L	0.00
41) Toluene-d8	7.93	98	27581	0.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	4466	0.42	ug/L	0.00
46) 2-Hexanone-d5	8.68	63	11623	2.82	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	9370	0.43	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	10285	0.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	13086	0.547 ug/L	93
3) Chloromethane	1.53	50	13765	0.517 ug/L	93
5) Vinyl chloride	1.62	62	12397	0.460 ug/L #	69
6) Bromomethane	1.88	94	11051	0.668 ug/L	91
8) Chloroethane	1.95	64	10282	0.588 ug/L	89
9) Trichlorofluoromethane	2.16	101	22791	0.665 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	12668	0.680 ug/L	93
12) 1,1-Dichloroethene	2.61	96	10391	0.597 ug/L	90
13) Acetone	2.69	43	34270	8.092 ug/L	96
14) Carbon disulfide	2.82	76	30664	0.521 ug/L	100
15) Methyl Acetate	3.00	43	3593	0.491 ug/L #	85
16) Methylene chloride	3.08	84	16903	0.656 ug/L	95
17) Methyl tert-butyl Ether	3.42	73	18090	0.472 ug/L	95
18) trans-1,2-Dichloroethene	3.39	96	9931	0.566 ug/L	92
19) 1,1-Dichloroethane	3.92	63	17672	0.519 ug/L	96
21) 2-Butanone	4.79	43	27611	5.275 ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	9190	0.491 ug/L	95
23) Bromochloromethane	5.02	128	5312	0.611 ug/L	91
25) Chloroform	5.14	83	19410	0.556 ug/L	100
27) 1,2-Dichloroethane	5.84	62	11572	0.527 ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	16351	0.489 ug/L	98
30) Cyclohexane	5.43	56	10839	0.339 ug/L	98
31) Carbon tetrachloride	5.56	117	14322	0.480 ug/L	96
33) Benzene	5.82	78	36326	0.423 ug/L	100
34) Trichloroethene	6.58	95	10638	0.484 ug/L	92
35) Methylcyclohexane	6.80	83	10349	0.320 ug/L	91
37) 1,2-Dichloropropane	6.83	63	9639	0.416 ug/L	98
38) Bromodichloromethane	7.14	83	13068	0.467 ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	11148	0.364 ug/L #	79
40) 4-Methyl-2-pentanone	7.84	43	45949	3.467 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	34354	0.380	ug/L	96
44) trans-1,3-Dichloropropene	8.25	75	10095	0.384	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	7568	0.475	ug/L	91
47) Tetrachloroethene	8.58	164	9861	0.539	ug/L	87
48) 2-Hexanone	8.73	43	26959	2.708	ug/L	98
49) Dibromochloromethane	8.84	129	9814	0.483	ug/L	98
50) 1,2-Dibromoethane	8.96	107	7053	0.447	ug/L	91
51) Chlorobenzene	9.48	112	30271	0.520	ug/L	97
52) Ethylbenzene	9.60	91	39217	0.419	ug/L	98
53) m,p-Xylene	9.72	106	15536	0.441	ug/L	91
54) o-Xylene	10.13	106	14116	0.434	ug/L	99
55) Styrene	10.14	104	23183	0.424	ug/L	98
56) Isopropylbenzene	10.51	105	31860	0.374	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	9705	0.459	ug/L	92
59) 1,2,3-Trichloropropane	10.85	75	6470	0.428	ug/L	94
61) Bromoform	10.32	173	7066	0.785	ug/L #	97
62) 1,3-Dichlorobenzene	11.77	146	16817	0.521	ug/L	94
63) 1,4-Dichlorobenzene	11.86	146	17312	0.539	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	18052	0.586	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	1175	0.498	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	10982	0.487	ug/L	94
68) 1,2,4-trichlorobenzene	13.86	180	4383	0.365	ug/L	92
69) Naphthalene	14.10	128	4234	0.320	ug/L #	94
70) 1,2,3-Trichlorobenzene	14.35	180	4985	0.428	ug/L	96

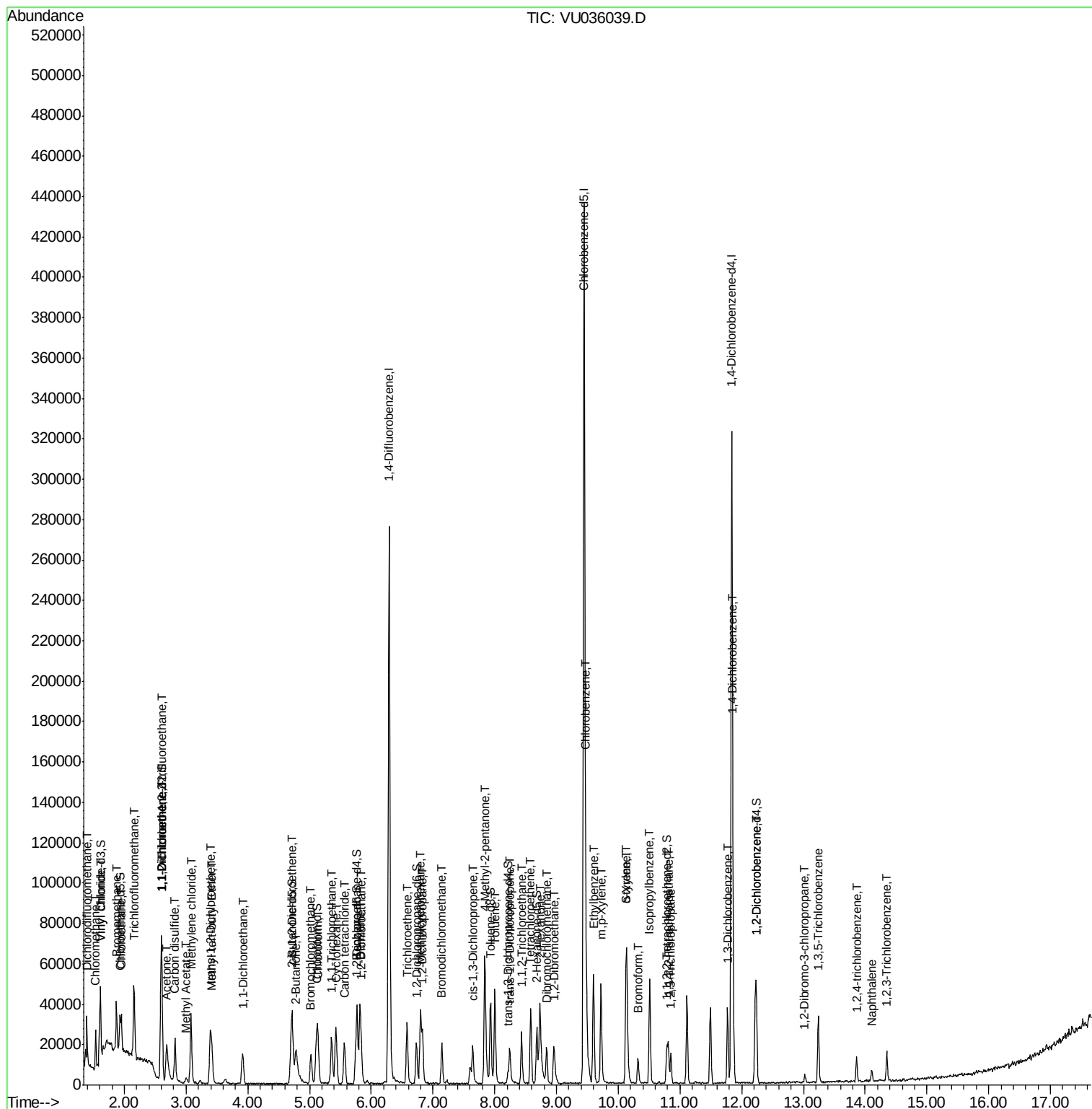
(#) = qualifier out of range (m) = manual integration (+) = signals summed

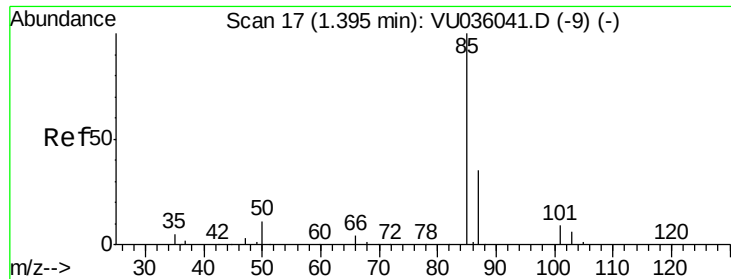
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#2

Dichlorodifluoromethane

Concen: 0.547 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

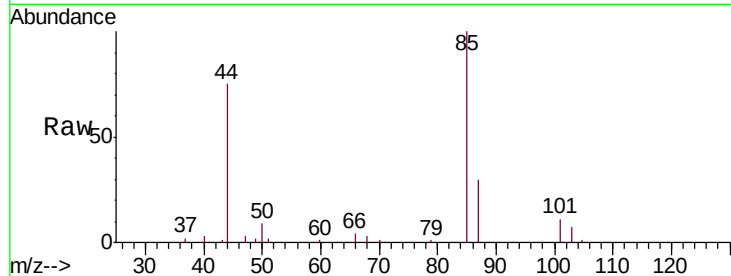
VSTD0.505

Tgt Ion: 85 Resp: 13086

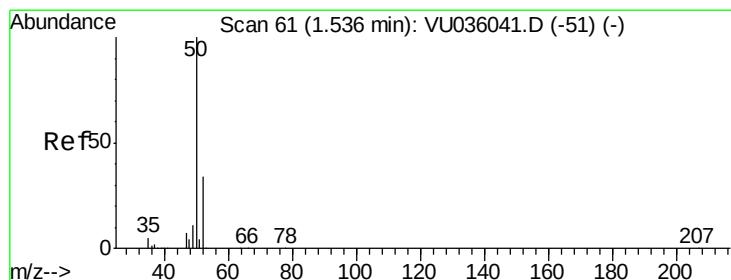
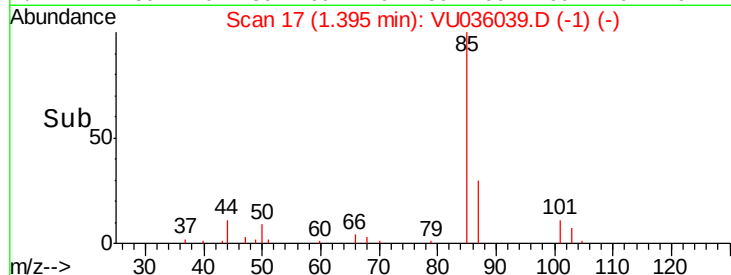
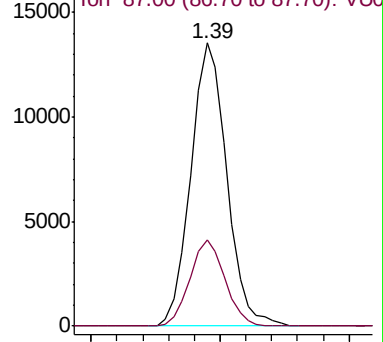
Ion Ratio Lower Upper

85 100

87 29.7 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VU036039.D (-1) (-)



#3

Chloromethane

Concen: 0.517 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036039.D

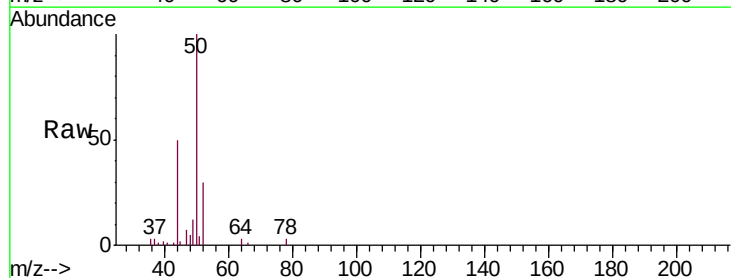
Acq: 09 Dec 2019 10:27

Tgt Ion: 50 Resp: 13765

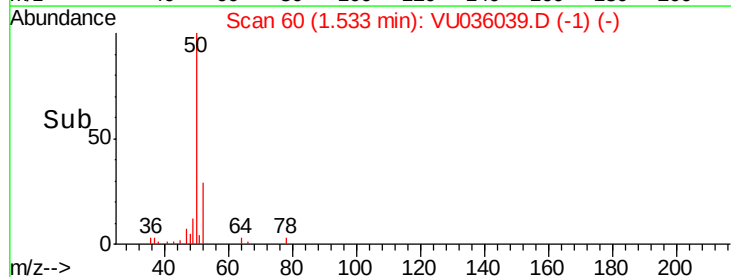
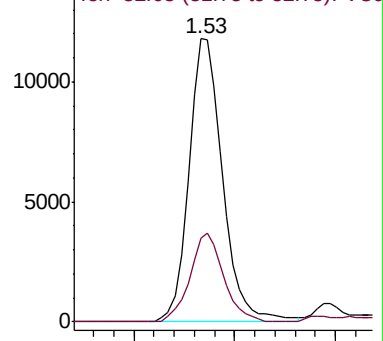
Ion Ratio Lower Upper

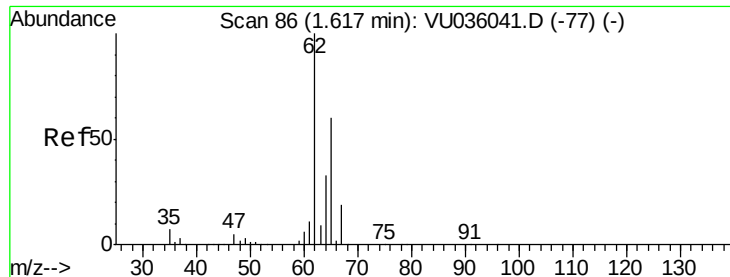
50 100

52 29.5 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU036039.D (-1) (-)





#5

Vinyl chloride

Concen: 0.460 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

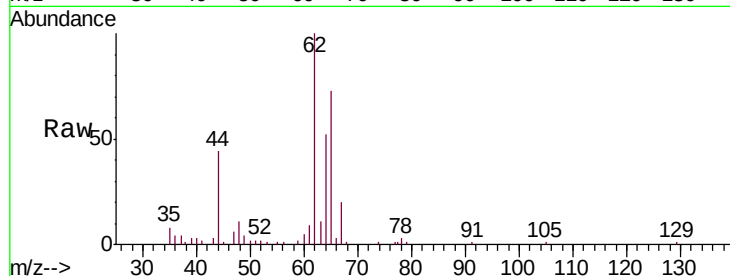
VSTD0.505

Tgt Ion: 62 Resp: 12397

Ion Ratio Lower Upper

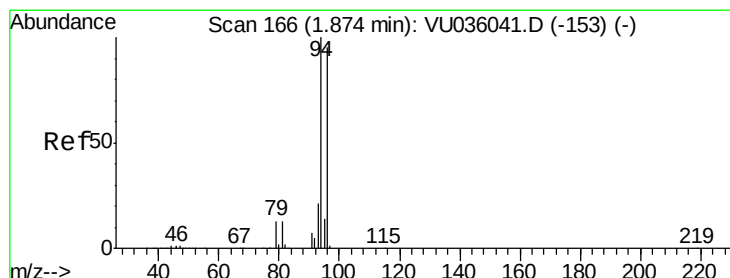
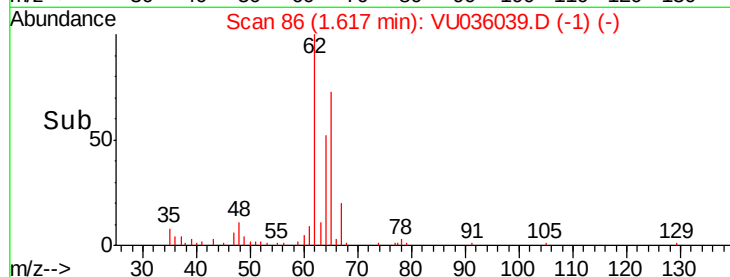
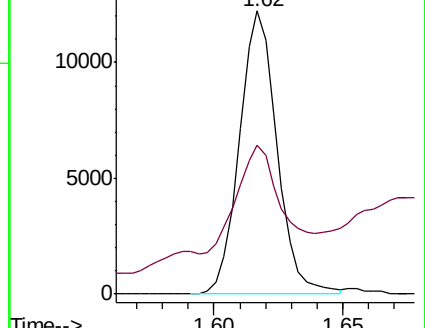
62 100

64 52.5 24.3 45.1#



Abundance Ion 62.00 (61.70 to 62.70): VU036039.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU036039.D (-1) (-)



#6

Bromomethane

Concen: 0.668 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU036039.D

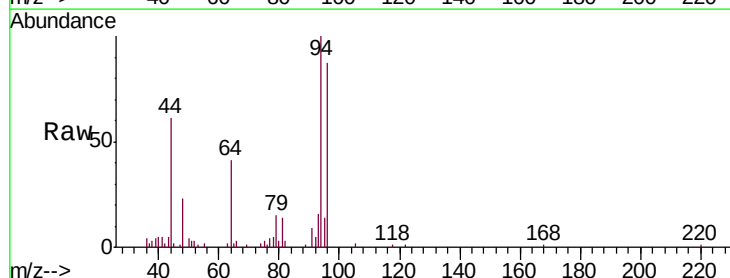
Acq: 09 Dec 2019 10:27

Tgt Ion: 94 Resp: 11051

Ion Ratio Lower Upper

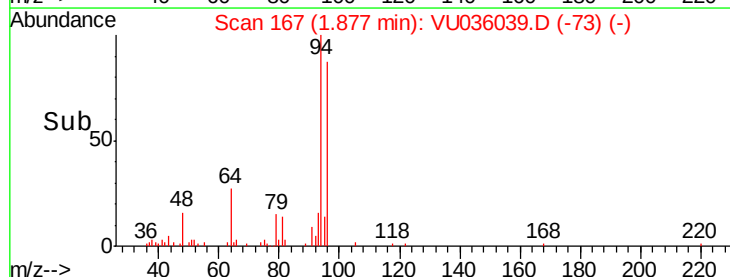
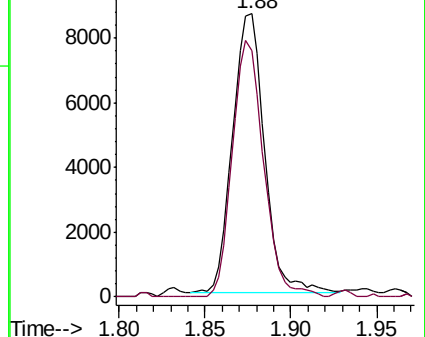
94 100

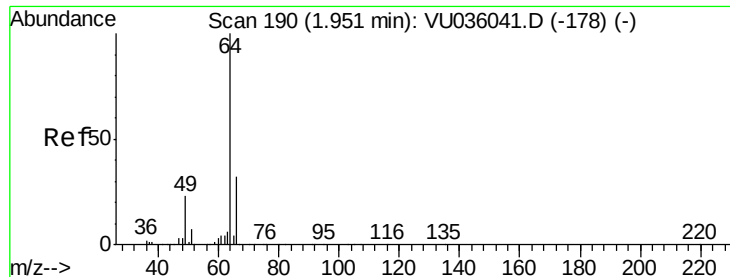
96 87.1 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU036039.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU036039.D (-73) (-)





#8

Chloroethane

Concen: 0.588 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

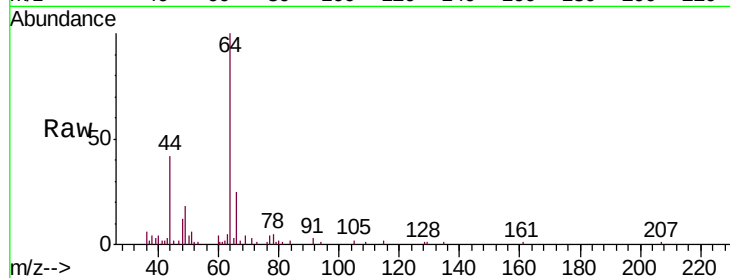
VSTD0.505

Tgt Ion: 64 Resp: 10282

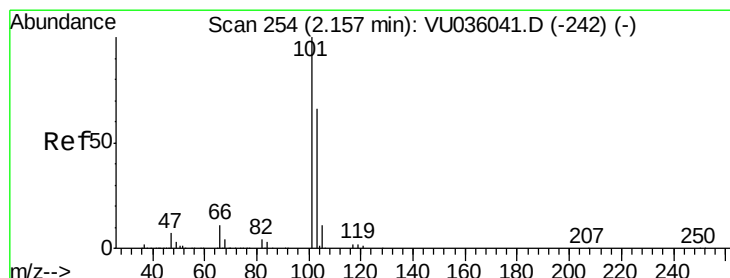
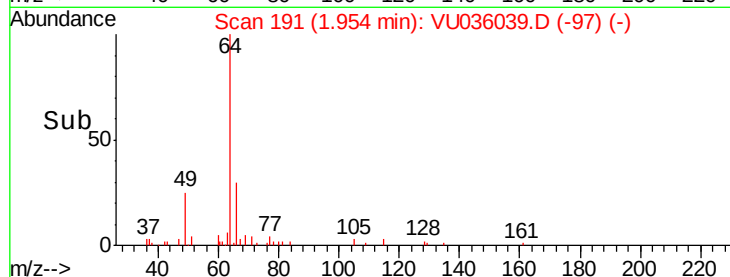
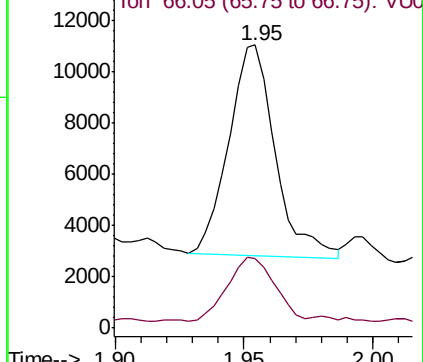
Ion Ratio Lower Upper

64 100

66 24.6 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VU036041.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 0.665 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036039.D

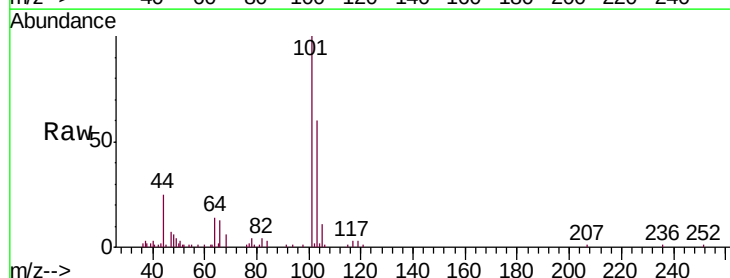
Acq: 09 Dec 2019 10:27

Tgt Ion: 101 Resp: 22791

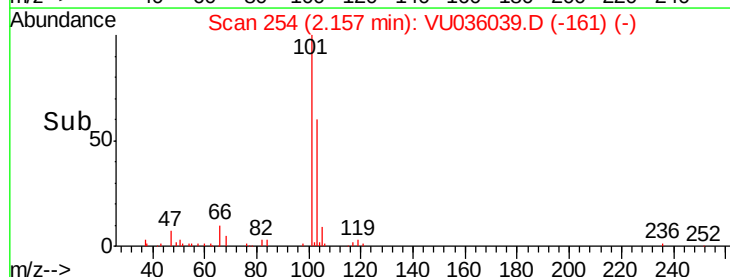
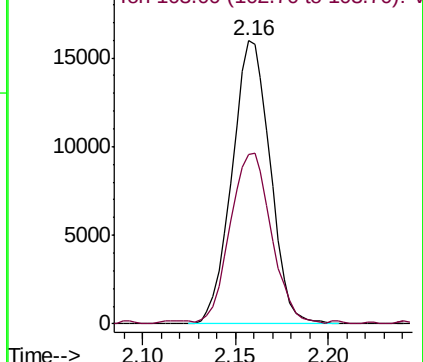
Ion Ratio Lower Upper

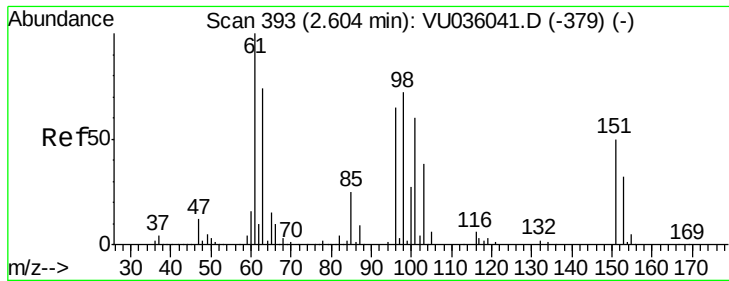
101 100

103 65.2 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VU036041.D (-242) (-)





#10

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

Concen: 0.680 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

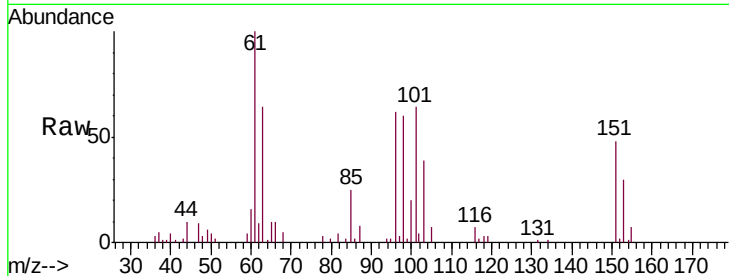
Tgt Ion: 101 Resp: 12668

Ion Ratio Lower Upper

101 100

85 38.3 33.1 49.7

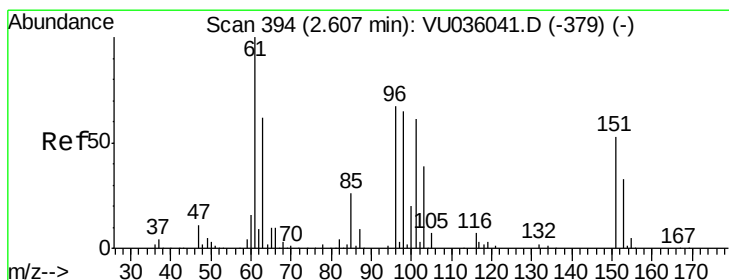
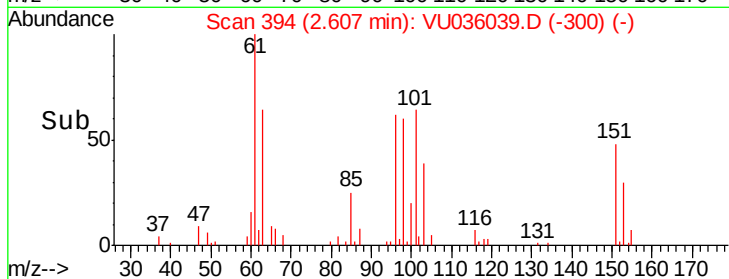
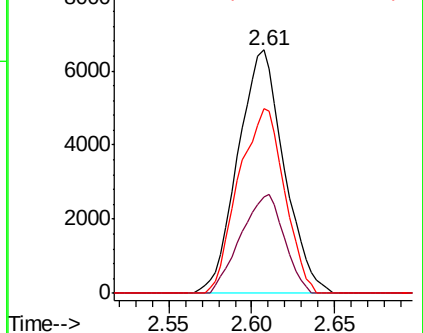
151 75.4 66.5 99.7



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: 0.597 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

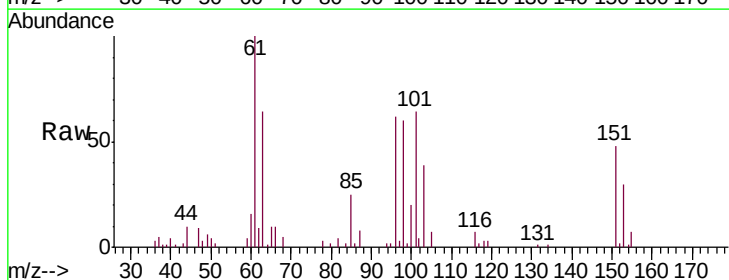
Tgt Ion: 96 Resp: 10391

Ion Ratio Lower Upper

96 100

61 161.7 104.3 193.7

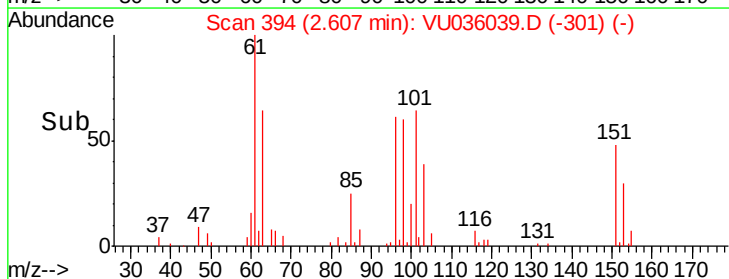
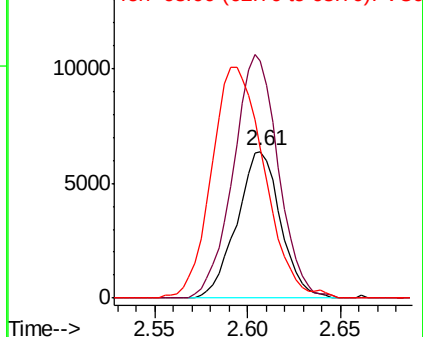
63 102.8 65.6 121.8

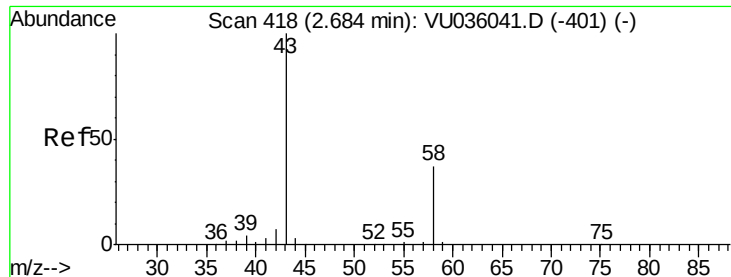


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.092 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.01 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

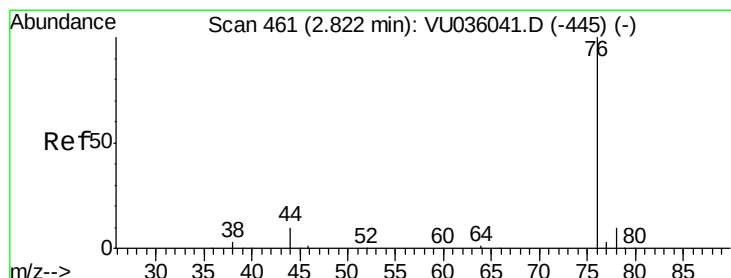
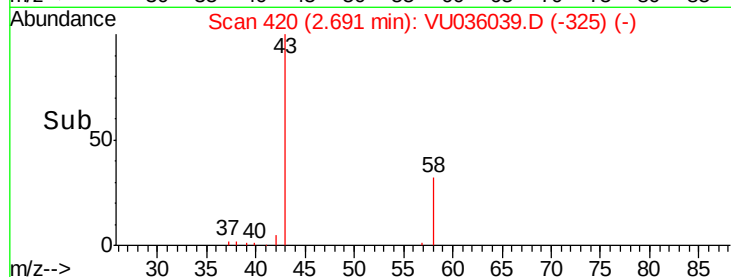
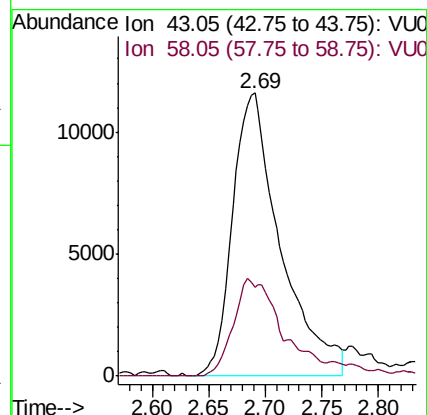
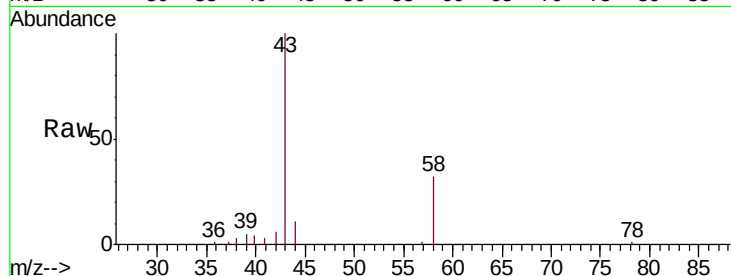
VSTD0.505

Tgt Ion: 43 Resp: 34270

Ion Ratio Lower Upper

43 100

58 35.0 0.0 74.2



#14

Carbon disulfide

Concen: 0.521 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036039.D

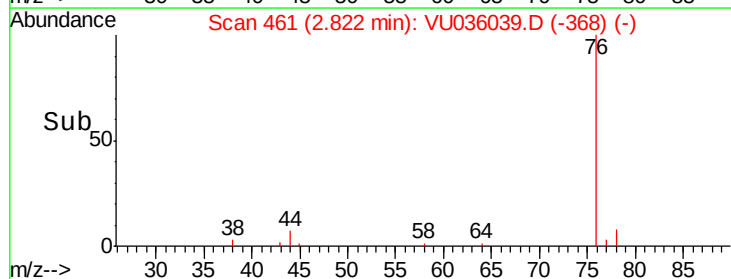
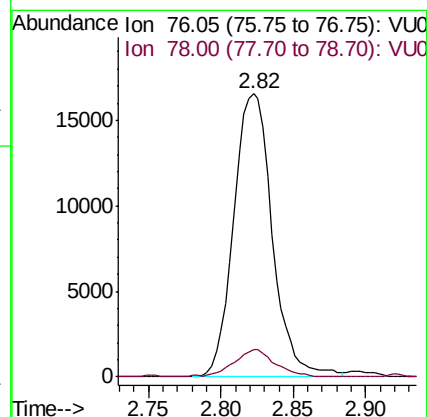
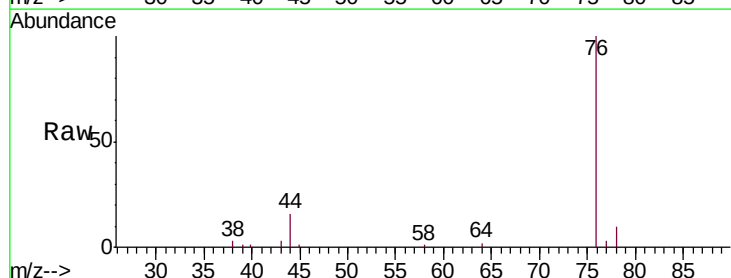
Acq: 09 Dec 2019 10:27

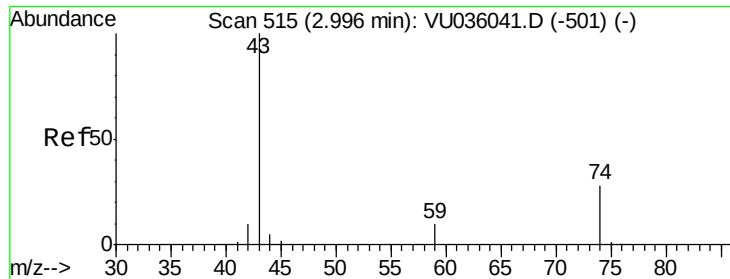
Tgt Ion: 76 Resp: 30664

Ion Ratio Lower Upper

76 100

78 9.7 7.7 11.5

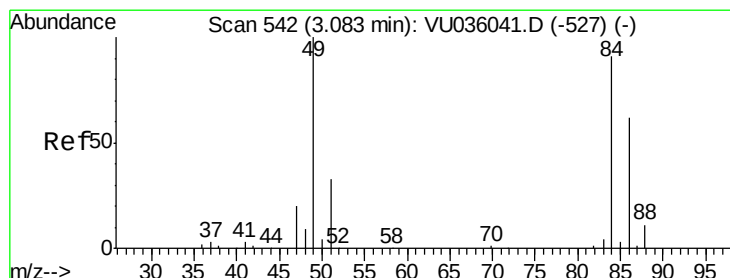
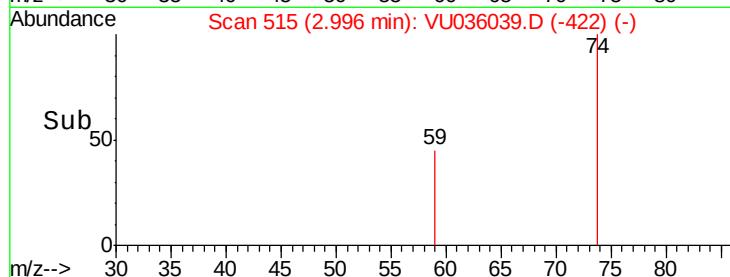
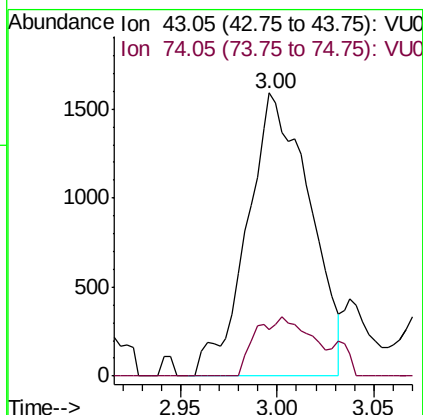
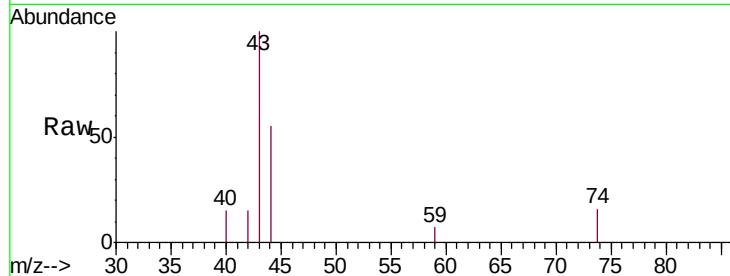




#15
Methyl Acetate
Concen: 0.491 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

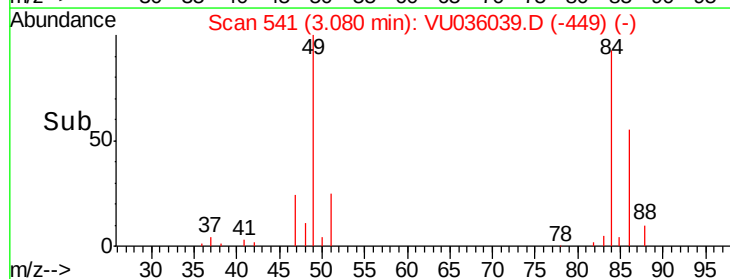
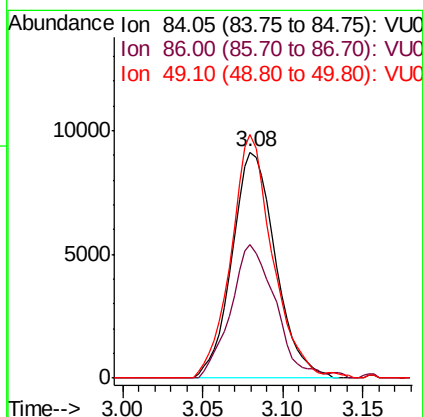
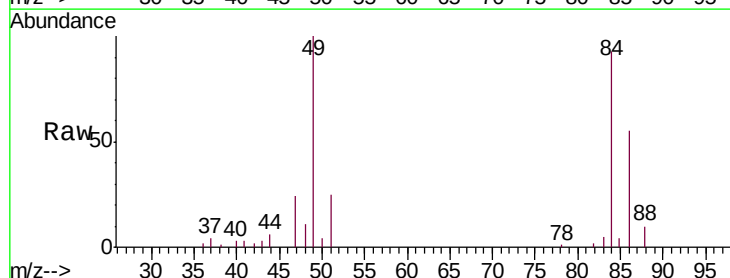
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

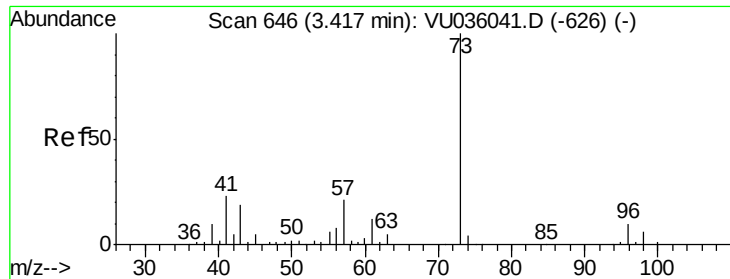
Tgt Ion: 43 Resp: 3593
Ion Ratio Lower Upper
43 100
74 18.3 21.0 31.4#



#16
Methylene chloride
Concen: 0.656 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 84 Resp: 16903
Ion Ratio Lower Upper
84 100
86 58.9 47.5 88.3
49 107.8 76.9 142.9





#17

Methyl tert-butyl Ether

Concen: 0.472 ug/L

RT: 3.42 min Scan# 646

Delta R.T. 0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

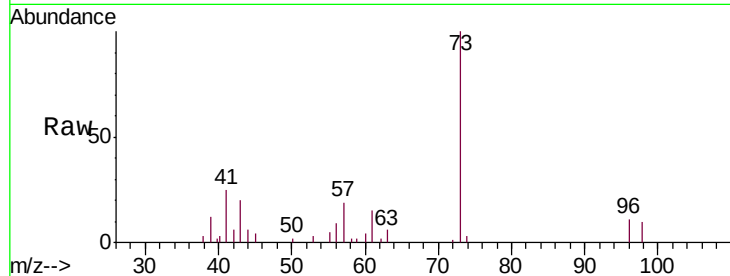
Tgt Ion: 73 Resp: 18090

Ion Ratio Lower Upper

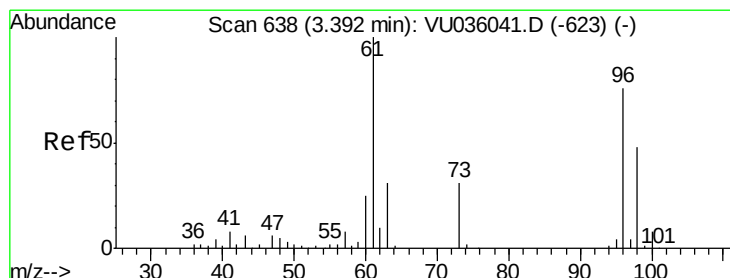
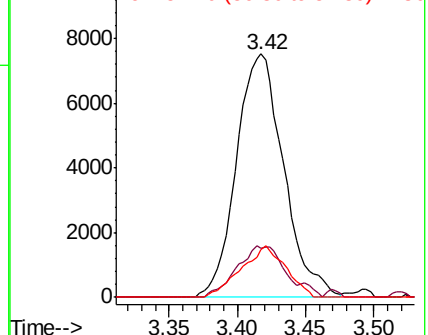
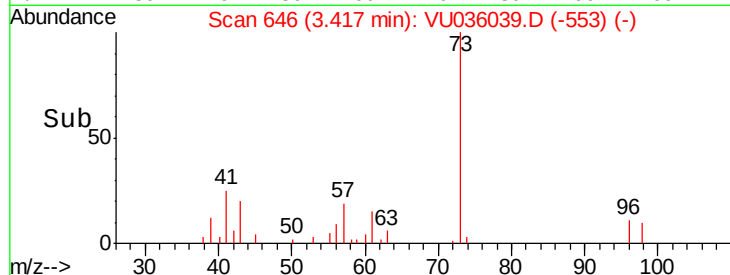
73 100

43 21.9 15.6 23.4

57 20.0 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU036039.D (-553) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.566 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

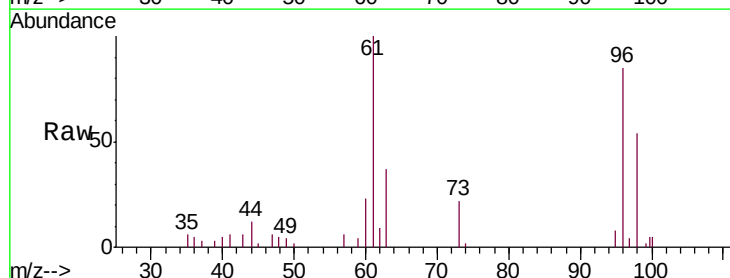
Tgt Ion: 96 Resp: 9931

Ion Ratio Lower Upper

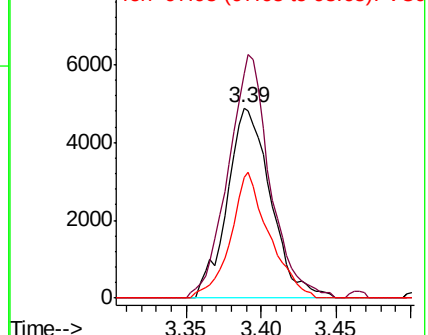
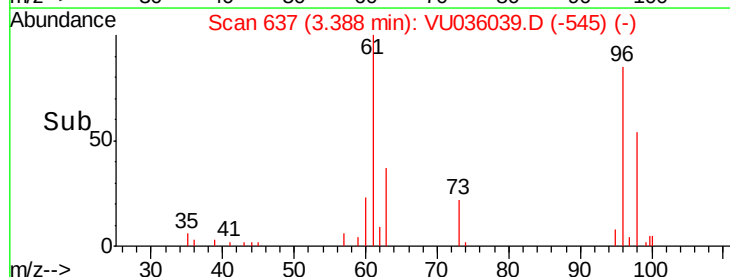
96 100

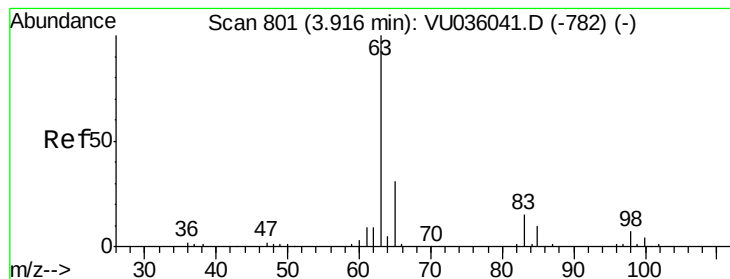
61 118.2 92.0 170.8

98 63.6 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU036039.D (-545) (-)





#19

1,1-Dichloroethane

Concen: 0.519 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.01 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

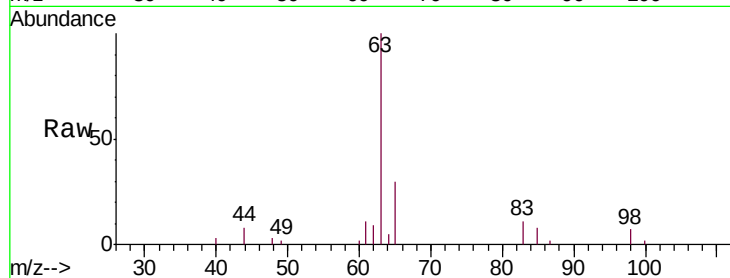
Tgt Ion: 63 Resp: 17672

Ion Ratio Lower Upper

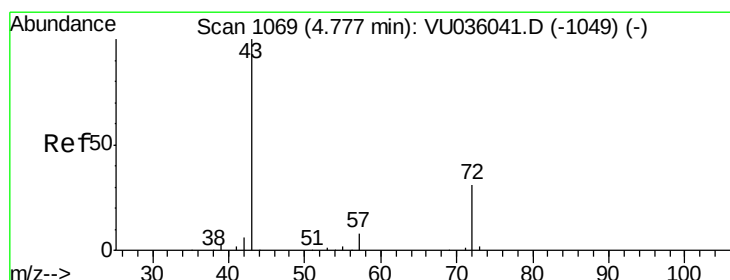
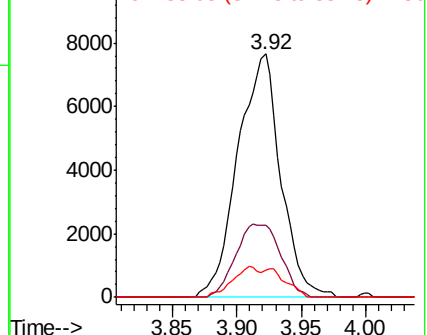
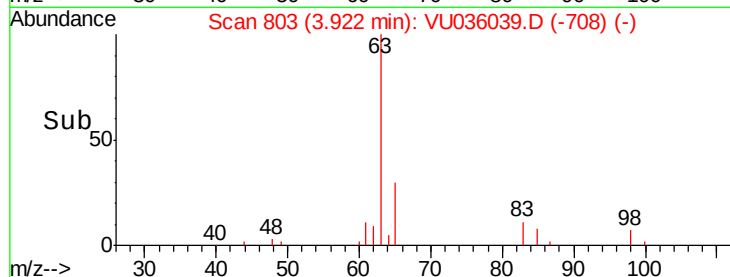
63 100

65 29.5 21.8 40.4

83 11.2 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU036039.D (-782) (-)



#21

2-Butanone

Concen: 5.275 ug/L

RT: 4.79 min Scan# 1072

Delta R.T. 0.01 min

Lab File: VU036039.D

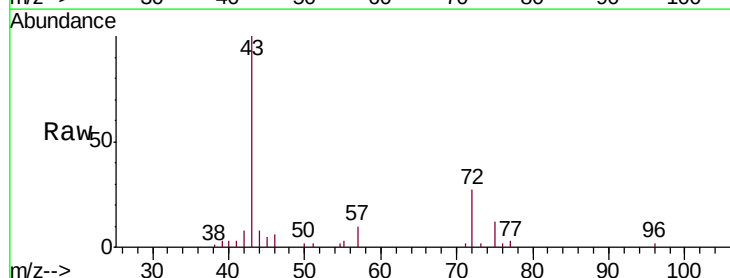
Acq: 09 Dec 2019 10:27

Tgt Ion: 43 Resp: 27611

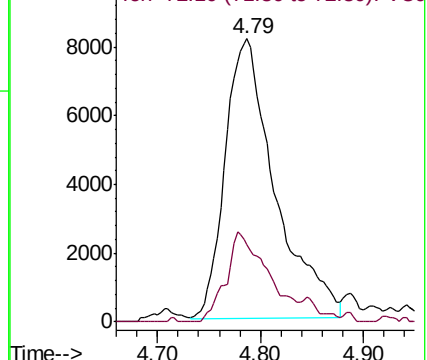
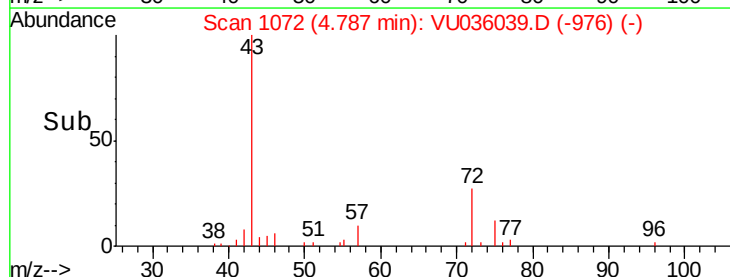
Ion Ratio Lower Upper

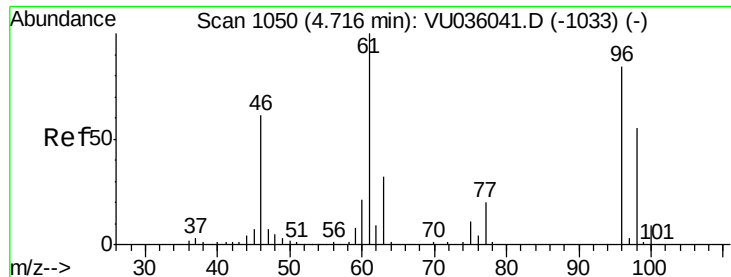
43 100

72 26.3 15.0 45.0



Abundance Ion 43.05 (42.75 to 43.75): VU036039.D (-976) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.491 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Instrument :
MSVOA_U
ClientSampled :
VSTD0.505

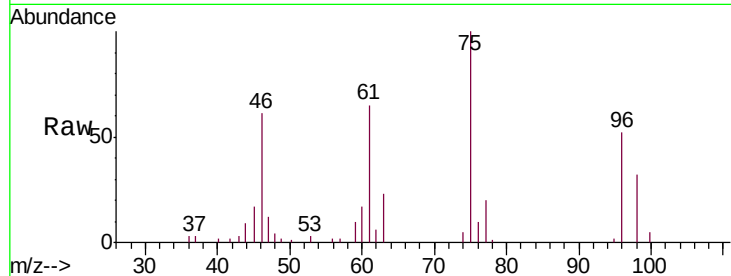
Tgt Ion: 96 Resp: 9190

Ion Ratio Lower Upper

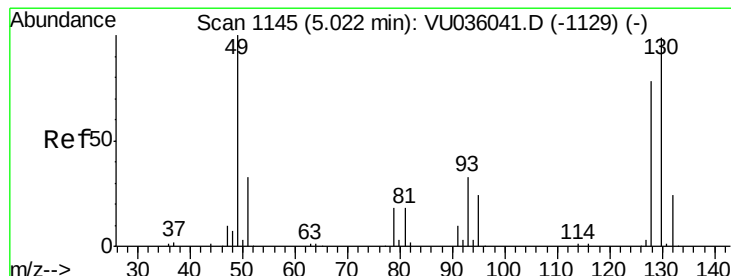
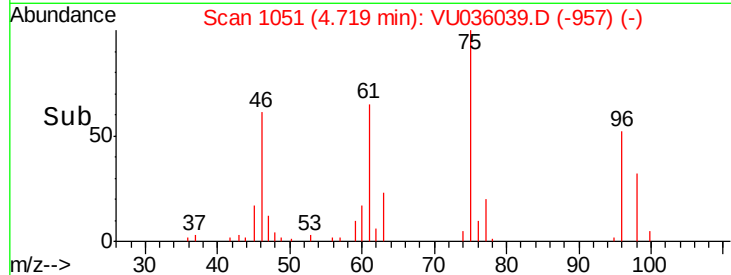
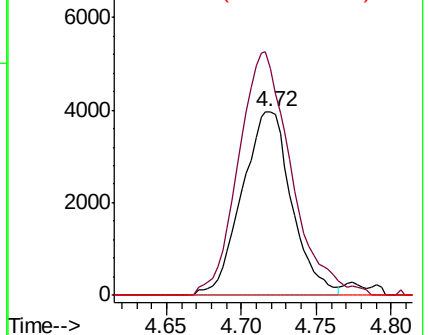
96 100

61 123.8 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: 0.611 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Tgt Ion: 128 Resp: 5312

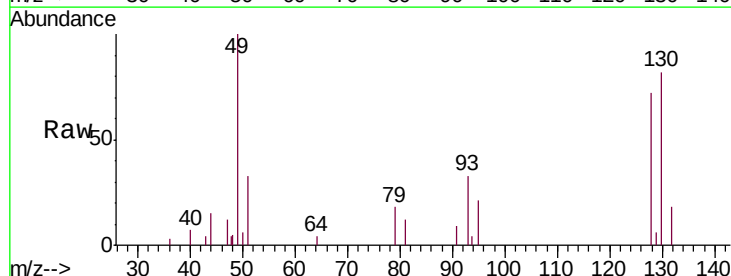
Ion Ratio Lower Upper

128 100

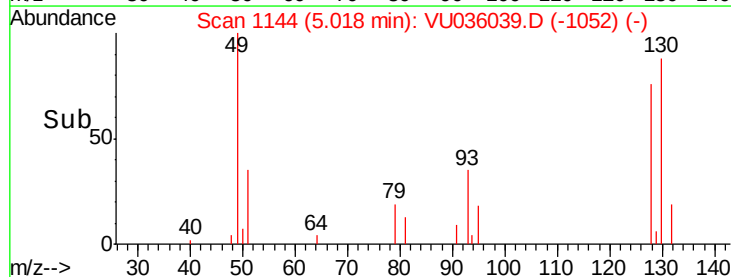
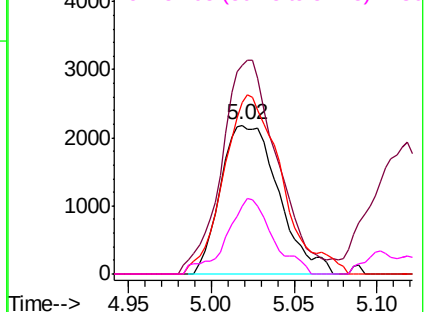
49 139.8 90.2 167.6

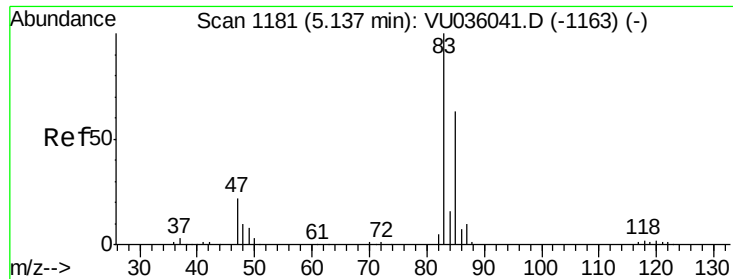
130 115.3 89.0 165.4

51 45.6 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

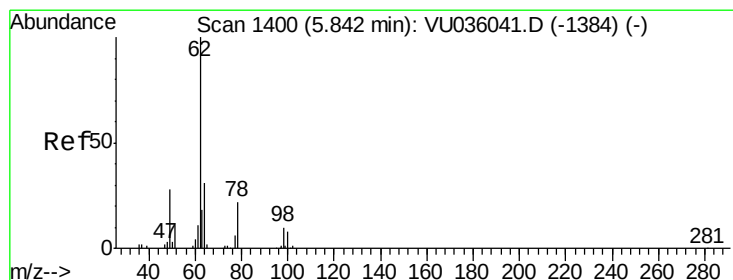
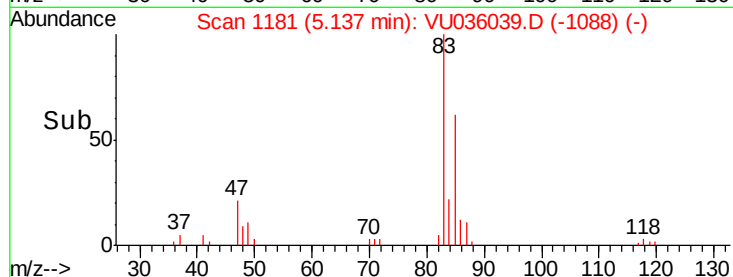
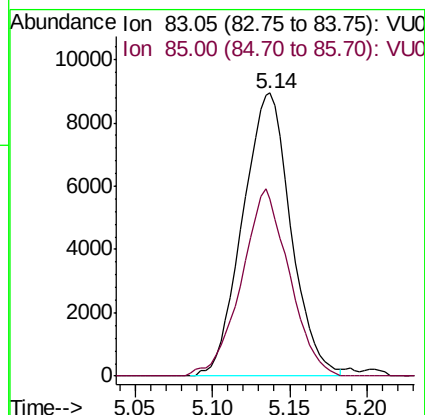
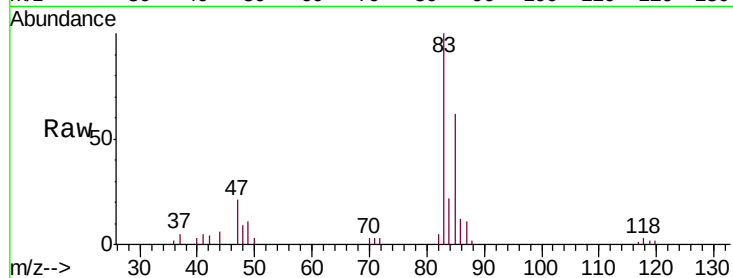




#25
Chloroform
Concen: 0.556 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

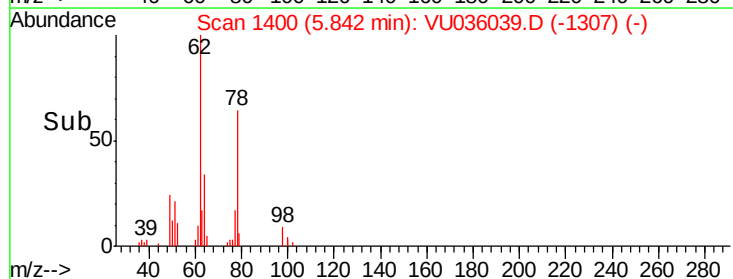
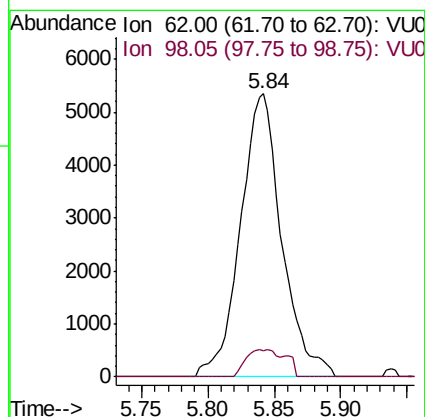
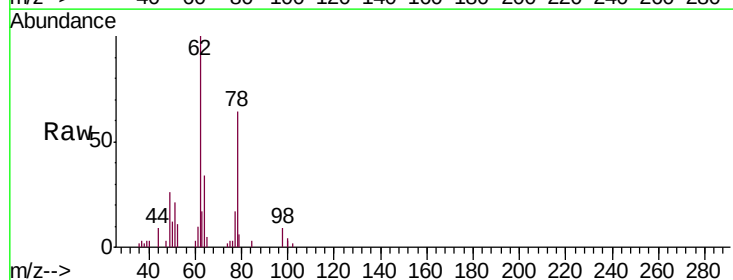
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

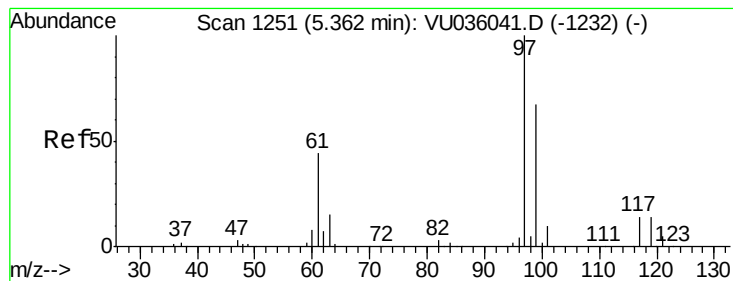
Tgt Ion: 83 Resp: 19410
Ion Ratio Lower Upper
83 100
85 62.4 43.9 81.5



#27
1,2-Dichloroethane
Concen: 0.527 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 62 Resp: 11572
Ion Ratio Lower Upper
62 100
98 9.2 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 0.489 ug/L

RT: 5.36 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

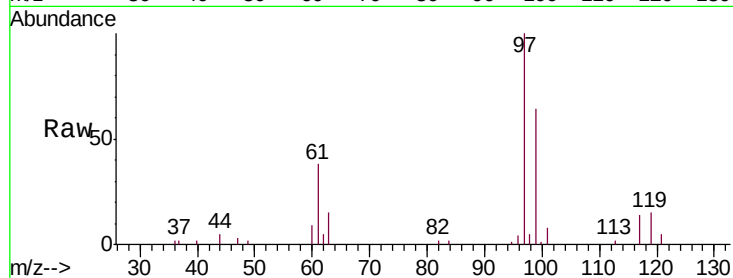
Tgt Ion: 97 Resp: 16351

Ion Ratio Lower Upper

97 100

99 66.3 52.2 78.2

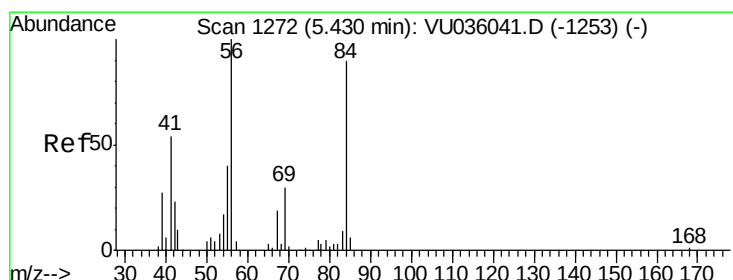
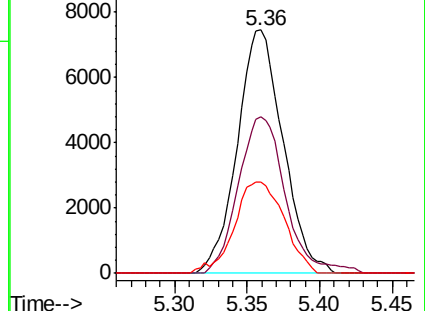
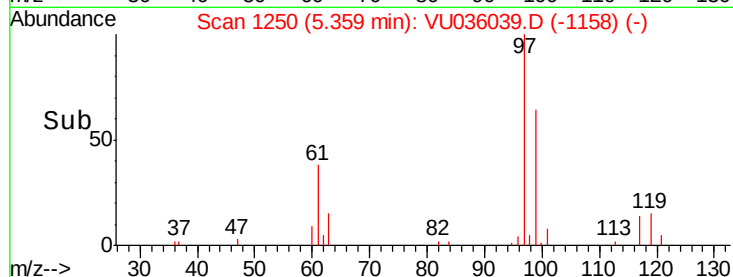
61 40.8 34.7 52.1



Abundance Ion 96.95 (96.65 to 97.65): VU036039.D (-1158) (-)

Ion 99.05 (98.75 to 99.75): VU036039.D (-1158) (-)

Ion 61.05 (60.75 to 61.75): VU036039.D (-1158) (-)



#30

Cyclohexane

Concen: 0.339 ug/L

RT: 5.43 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

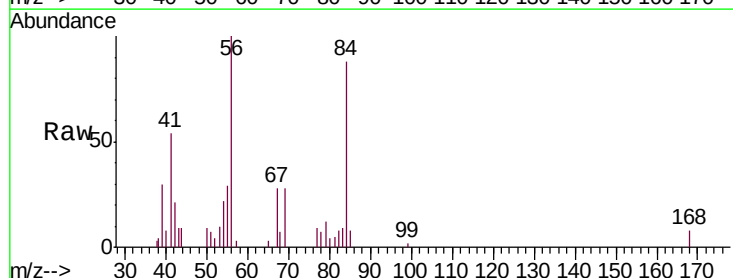
Tgt Ion: 56 Resp: 10839

Ion Ratio Lower Upper

56 100

69 33.1 25.4 38.0

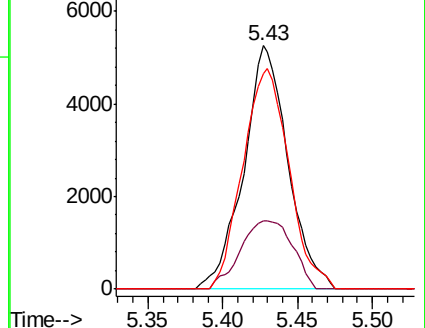
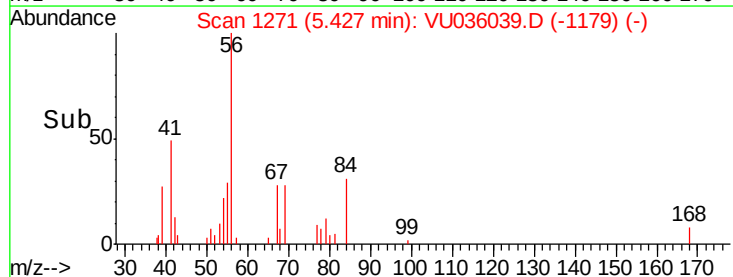
84 94.3 74.5 111.7

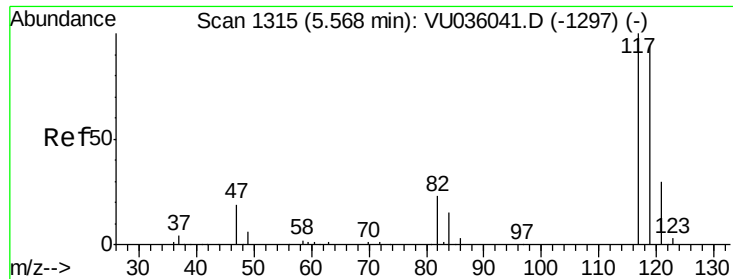


Abundance Ion 56.10 (55.80 to 56.80): VU036039.D (-1179) (-)

Ion 69.15 (68.85 to 69.85): VU036039.D (-1179) (-)

Ion 84.15 (83.85 to 84.85): VU036039.D (-1179) (-)

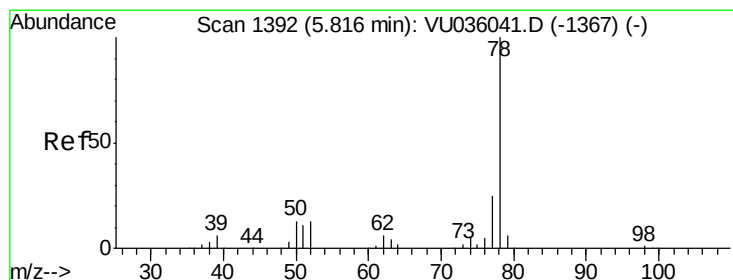
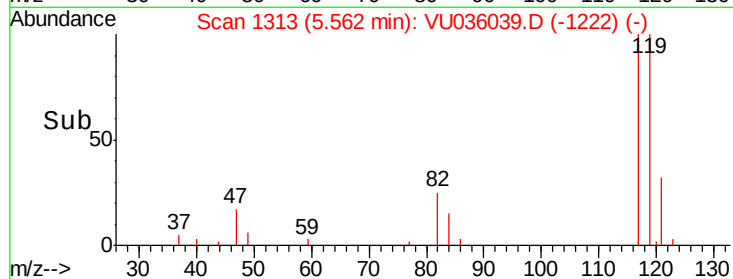
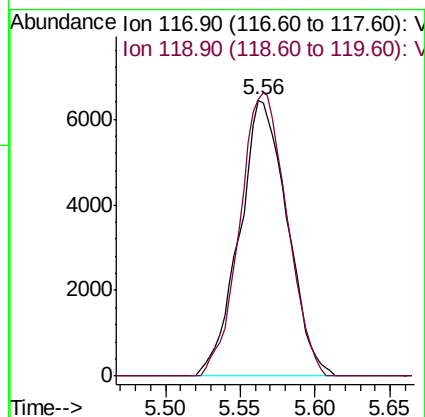
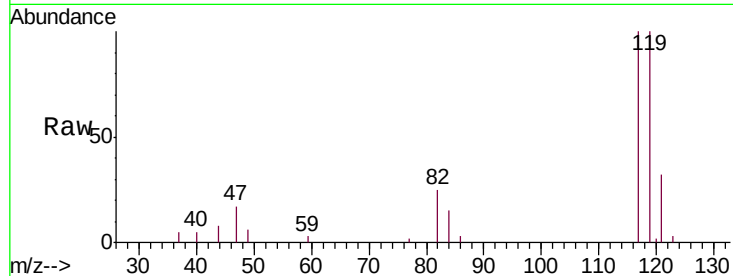




#31
Carbon tetrachloride
Concen: 0.480 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

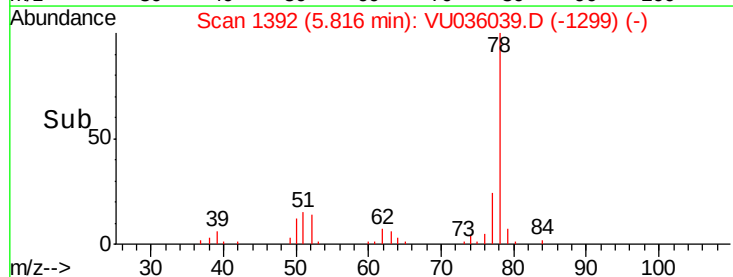
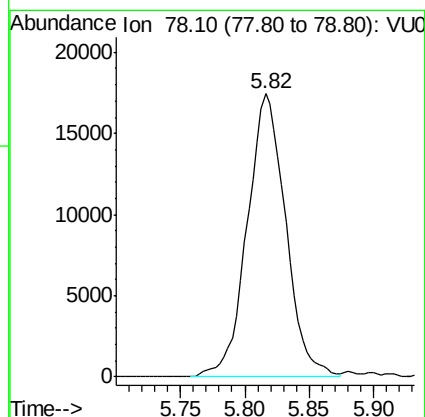
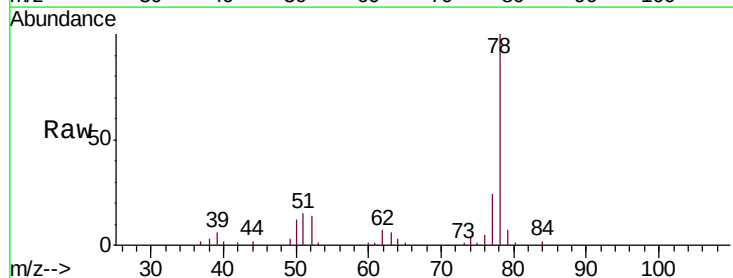
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

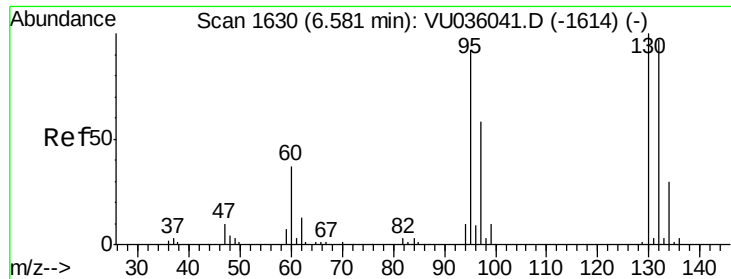
Tgt Ion:117 Resp: 14322
Ion Ratio Lower Upper
117 100
119 101.4 78.2 117.4



#33
Benzene
Concen: 0.423 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 78 Resp: 36326

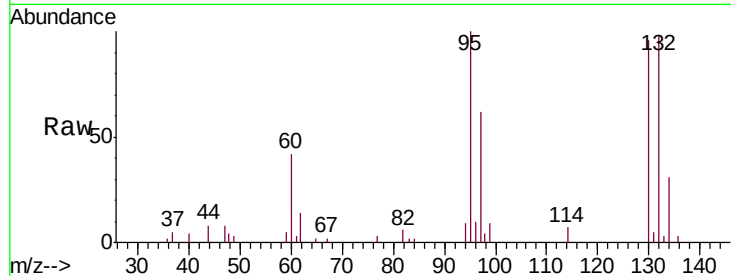




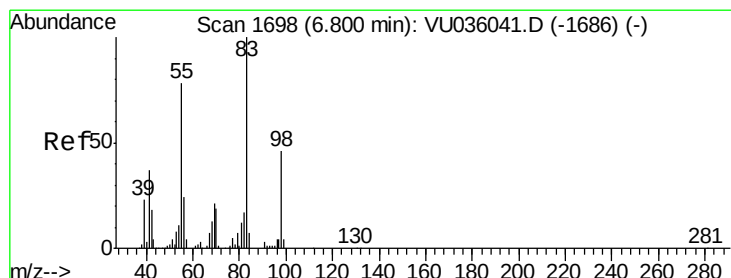
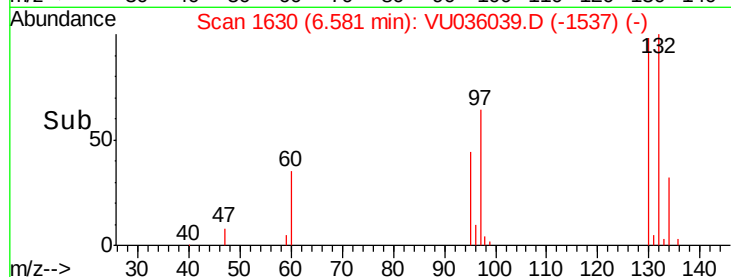
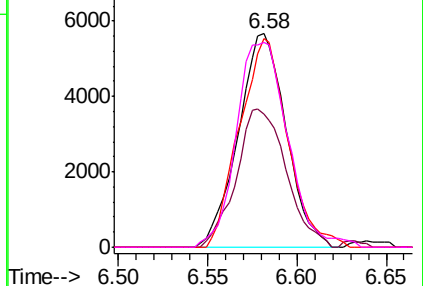
#34
 Trichloroethene
 Concen: 0.484 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tgt Ion:	95	Resp:	10638
Ion	Ratio	Lower	Upper
95	100		
97	62.2	44.4	82.4
132	97.8	73.4	136.4
130	96.0	75.9	141.1

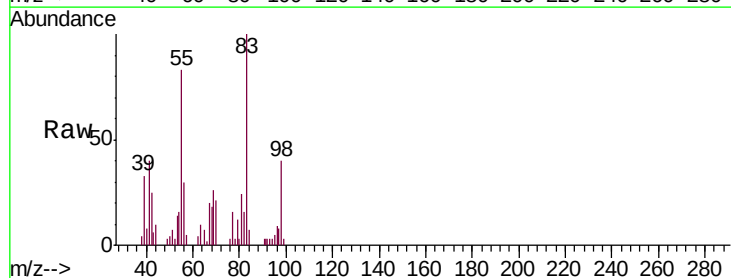


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

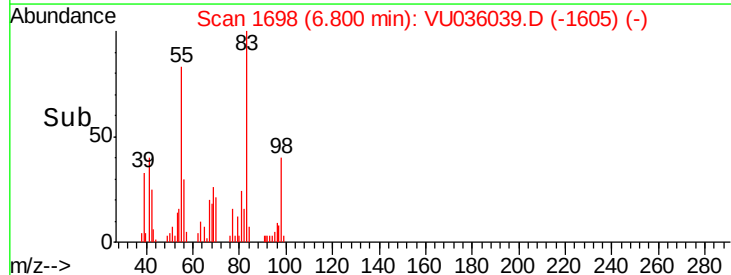
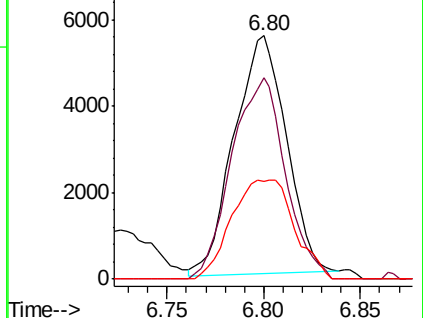


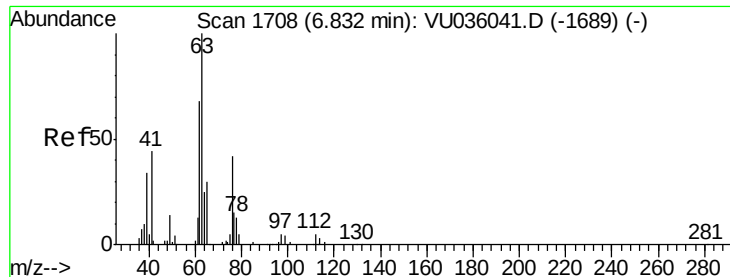
#35
 Methylcyclohexane
 Concen: 0.320 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

Tgt Ion:	83	Resp:	10349
Ion	Ratio	Lower	Upper
83	100		
55	87.0	62.1	93.1
98	49.8	37.0	55.4



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

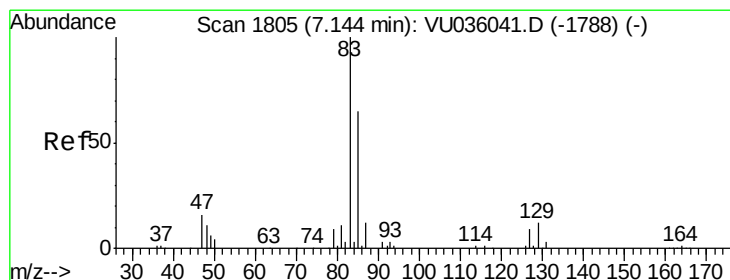
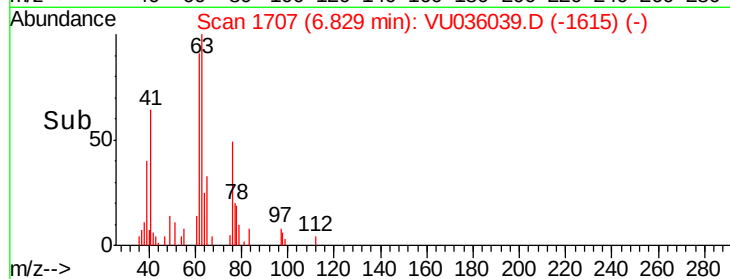
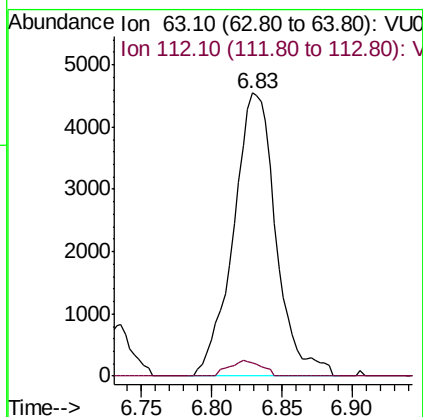
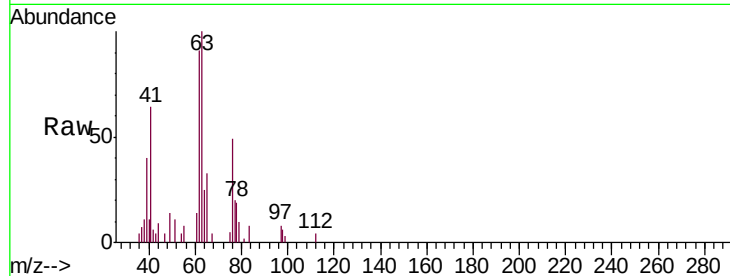




#37
 1,2-Dichloropropane
 Concen: 0.416 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

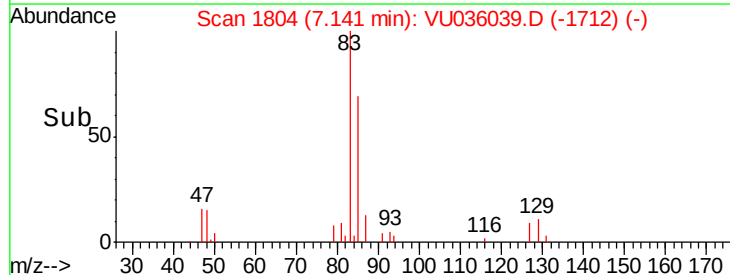
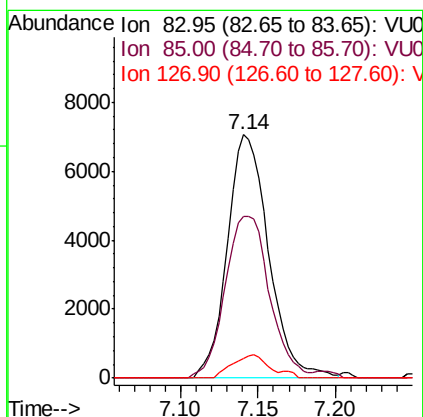
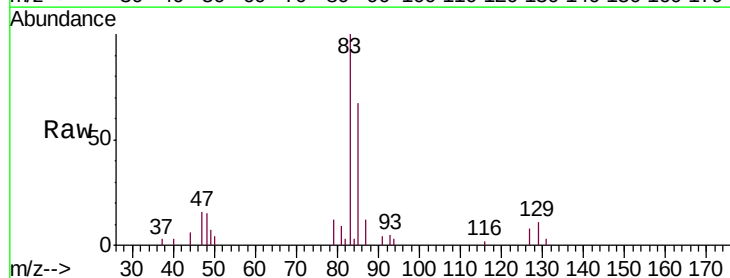
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

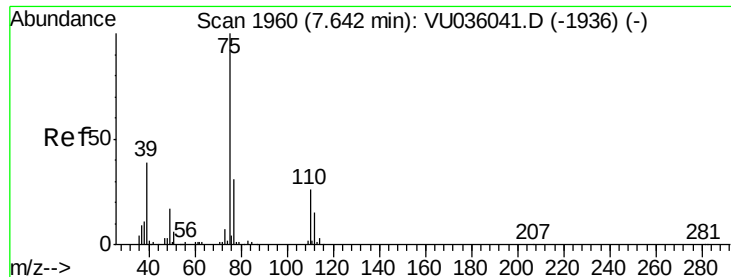
Tgt Ion: 63 Resp: 9639
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.8 5.8



#38
 Bromodichloromethane
 Concen: 0.467 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

Tgt Ion: 83 Resp: 13068
 Ion Ratio Lower Upper
 83 100
 85 66.7 45.2 84.0
 127 8.3 7.4 11.2

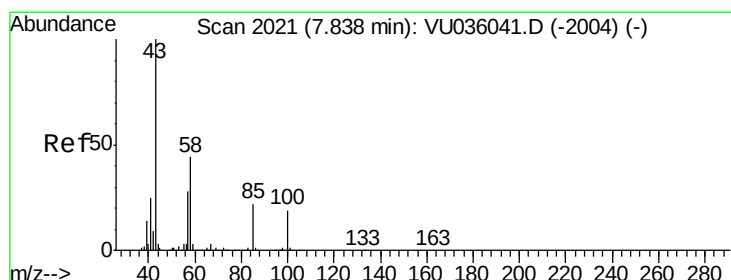
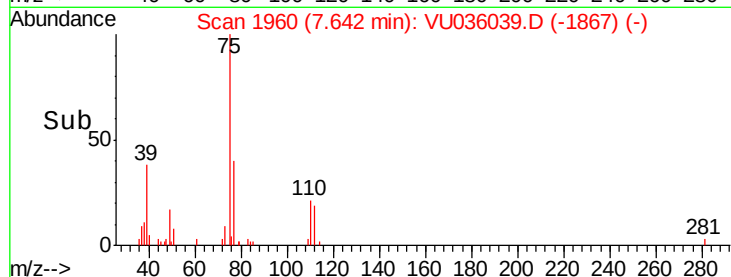
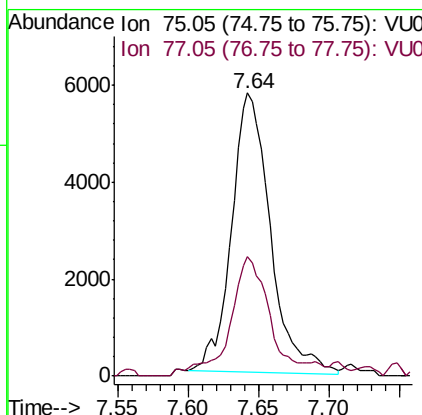
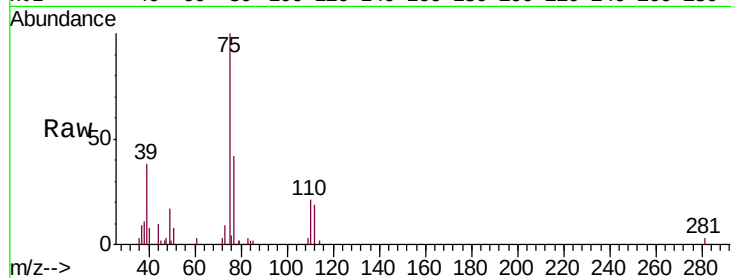




#39
 cis-1,3-Dichloropropene
 Concen: 0.364 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

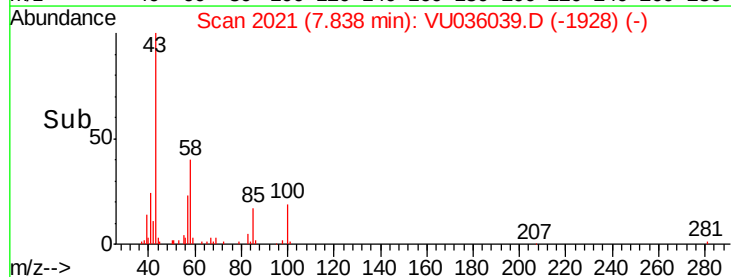
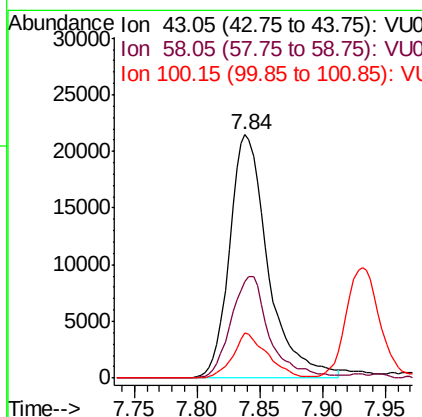
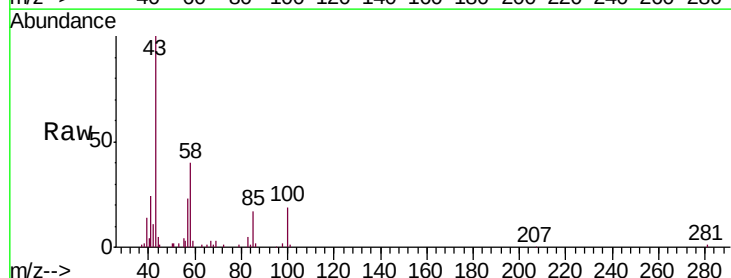
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

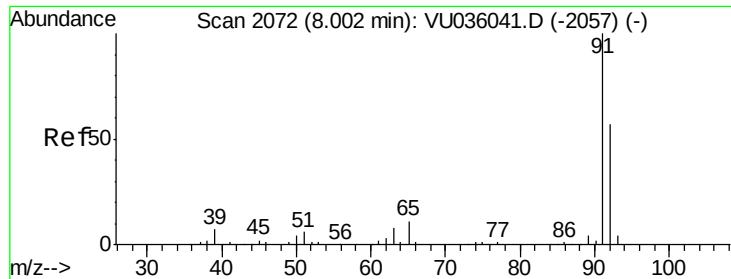
Tgt Ion: 75 Resp: 11148
 Ion Ratio Lower Upper
 75 100
 77 42.4 21.7 40.3#



#40
 4-Methyl-2-pentanone
 Concen: 3.467 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

Tgt Ion: 43 Resp: 45949
 Ion Ratio Lower Upper
 43 100
 58 42.0 34.5 51.7
 100 16.5 14.3 21.5





#42

Toluene

Concen: 0.380 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

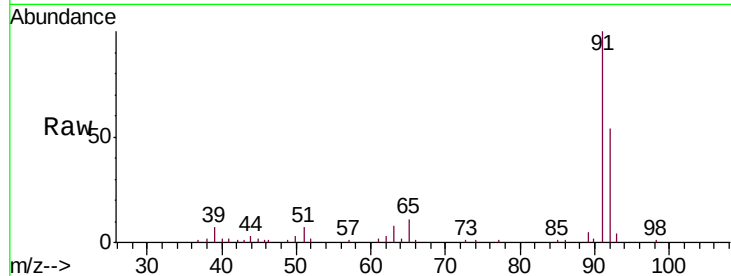
VSTD0.505

Tgt Ion: 91 Resp: 34354

Ion Ratio Lower Upper

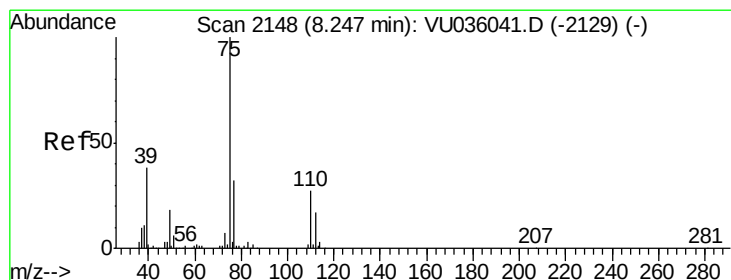
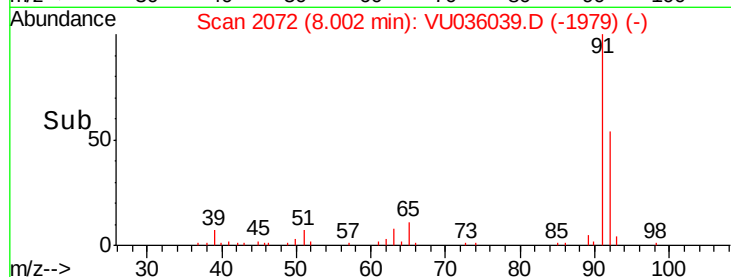
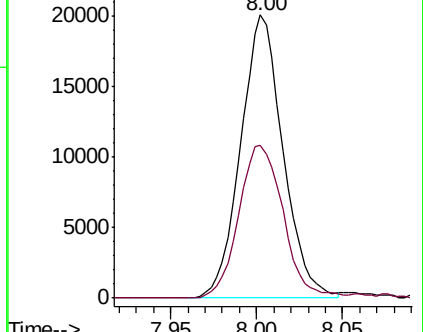
91 100

92 54.2 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU036041.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036041.D (-2057) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.384 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU036039.D

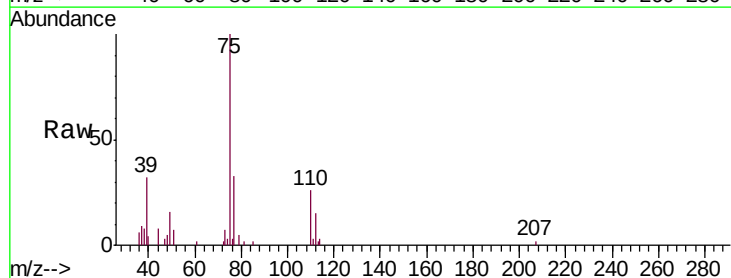
Acq: 09 Dec 2019 10:27

Tgt Ion: 75 Resp: 10095

Ion Ratio Lower Upper

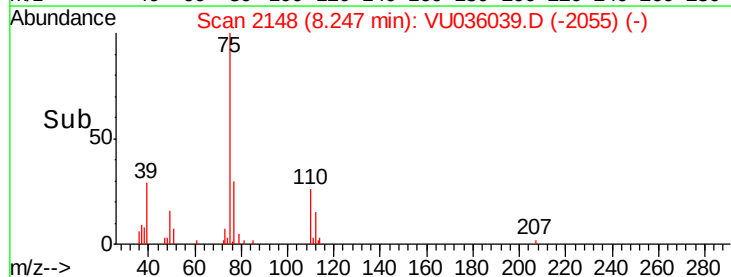
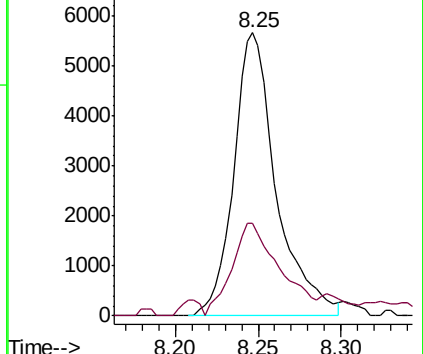
75 100

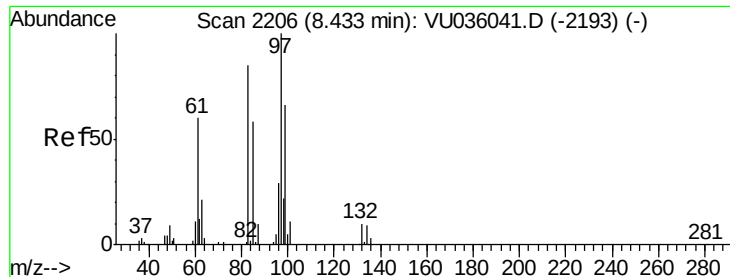
77 32.8 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU036041.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036041.D (-2129) (-)

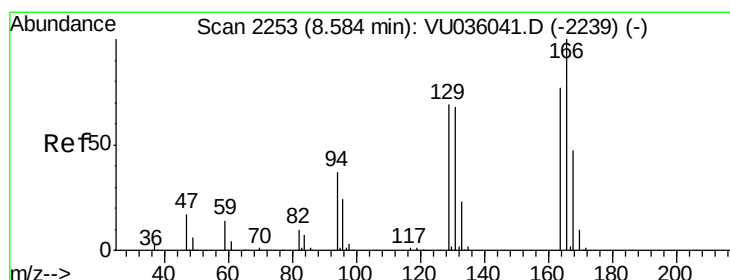
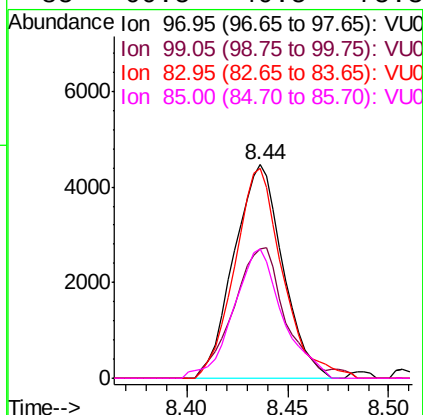
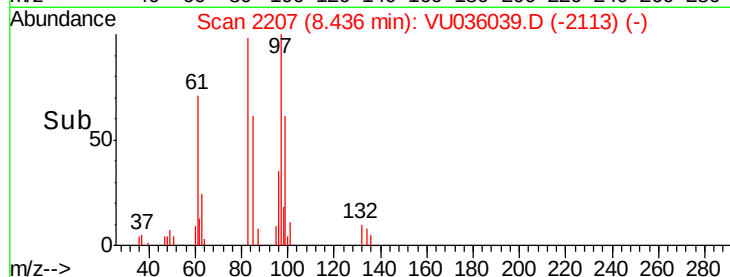
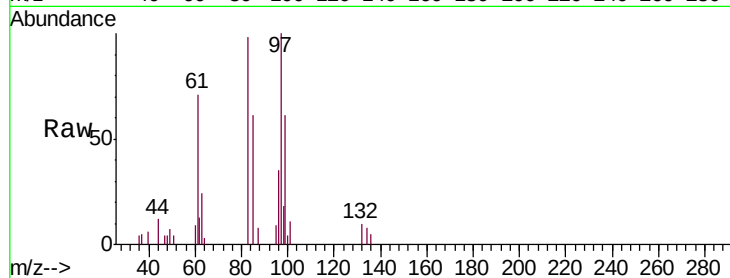




#45
 1,1,2-Trichloroethane
 Concen: 0.475 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

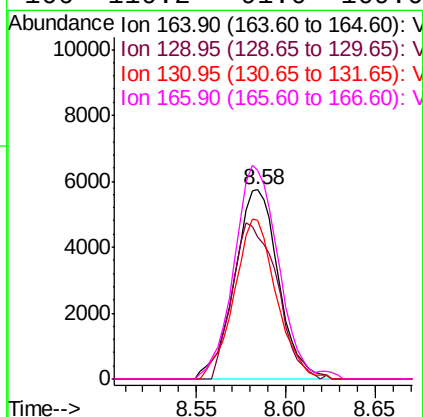
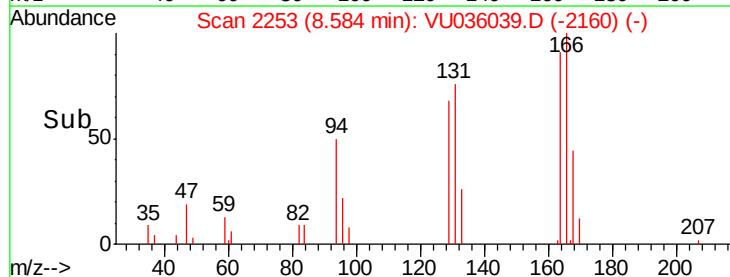
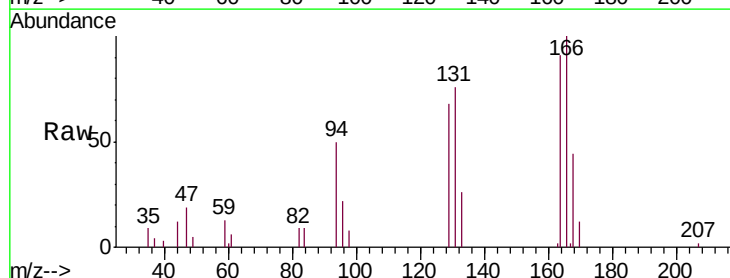
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

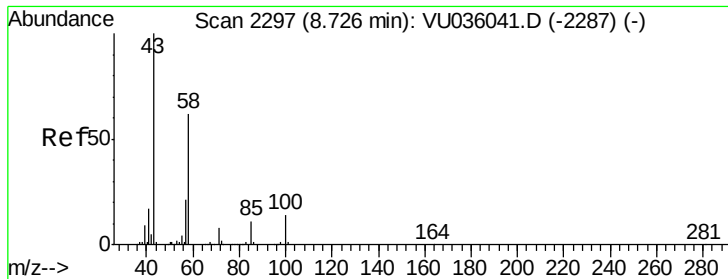
Tgt Ion:	97	Resp:	7568
Ion	Ratio	Lower	Upper
97	100		
99	60.5	46.1	85.7
83	98.3	59.6	110.8
85	60.5	40.5	75.3



#47
 Tetrachloroethene
 Concen: 0.539 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

Tgt Ion:	164	Resp:	9861
Ion	Ratio	Lower	Upper
164	100		
129	75.2	63.1	117.3
131	83.7	61.5	114.1
166	110.2	91.0	169.0

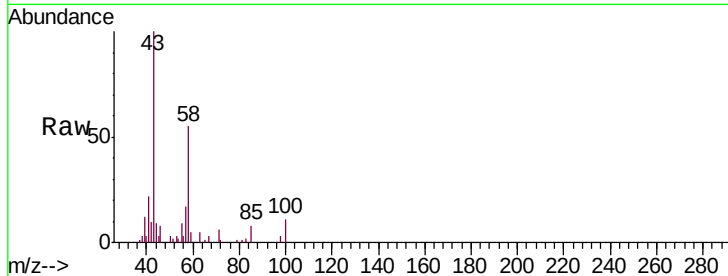




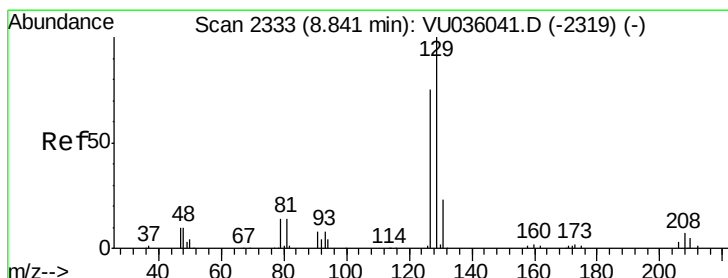
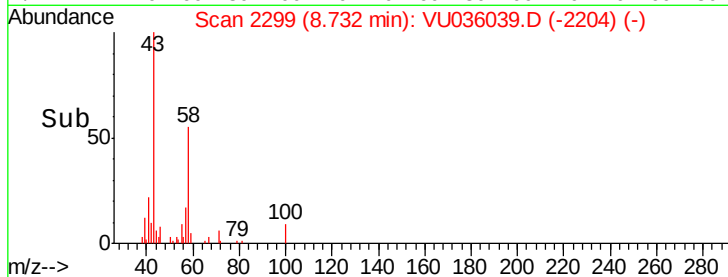
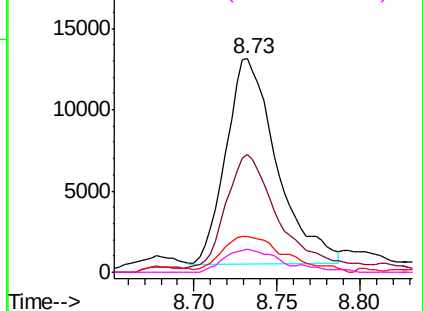
#48
2-Hexanone
Concen: 2.708 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. 0.01 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Tgt Ion:	43	Resp:	26959
Ion	Ratio	Lower	Upper
43	100		
58	59.6	46.9	70.3
57	21.9	16.4	24.6
100	13.1	11.0	16.4

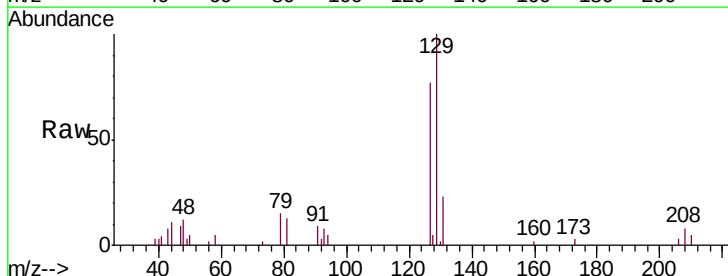


Abundance Ion 43.05 (42.75 to 43.75): VU036039.D (-2297) (-)
Ion 58.05 (57.75 to 58.75): VU036039.D (-2297) (-)
Ion 57.20 (56.90 to 57.90): VU036039.D (-2297) (-)
Ion 100.15 (99.85 to 100.85): VU036039.D (-2297) (-)

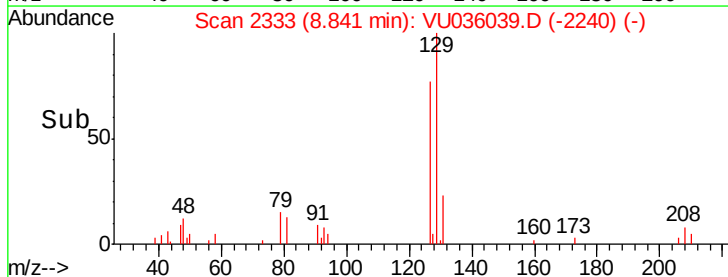
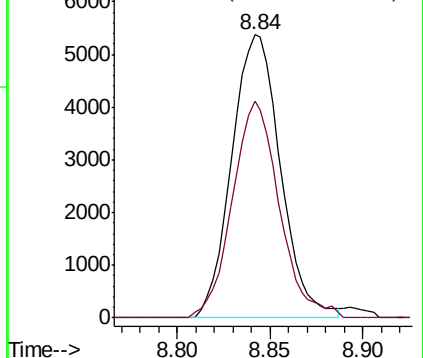


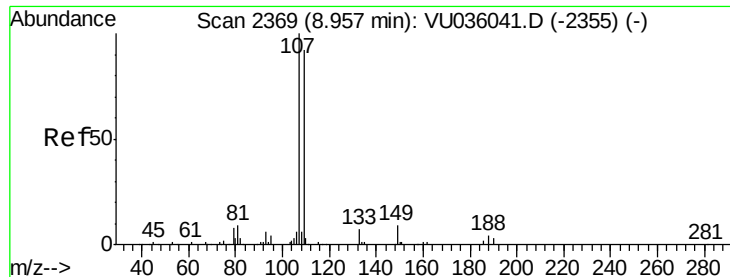
#49
Dibromochloromethane
Concen: 0.483 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:	129	Resp:	9814
Ion	Ratio	Lower	Upper
129	100		
127	76.7	52.5	97.5



Abundance Ion 128.95 (128.65 to 129.65): VU036039.D (-2333) (-)
Ion 126.90 (126.60 to 127.60): VU036039.D (-2333) (-)

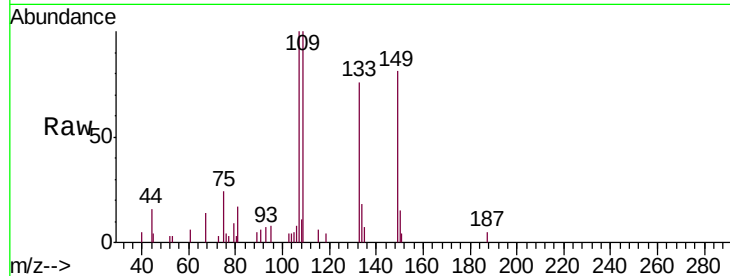




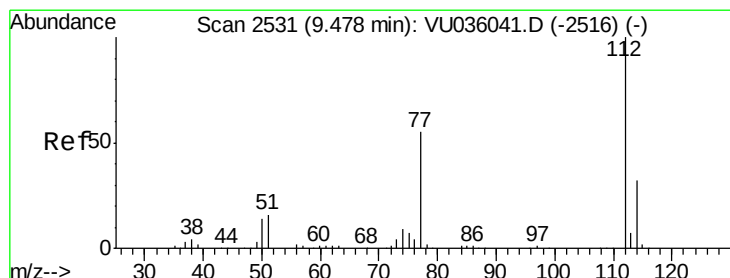
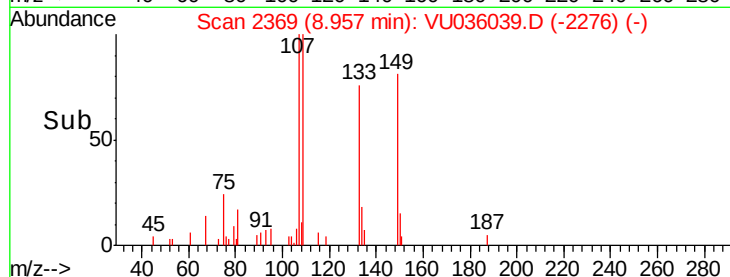
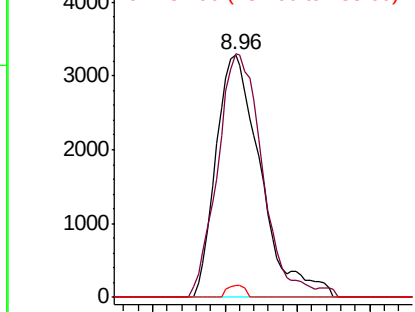
#50
1,2-Dibromoethane
Concen: 0.447 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Tgt Ion:107 Resp: 7053
Ion Ratio Lower Upper
107 100
109 100.3 64.3 119.3
188 5.0 3.6 5.4

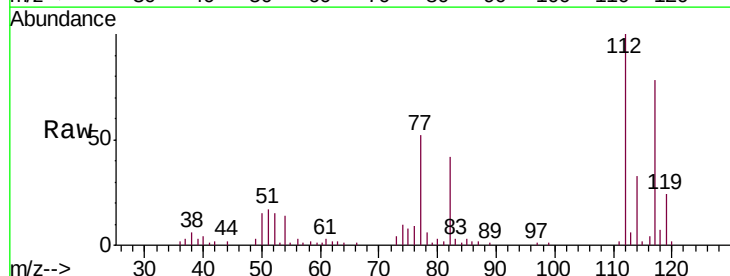


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

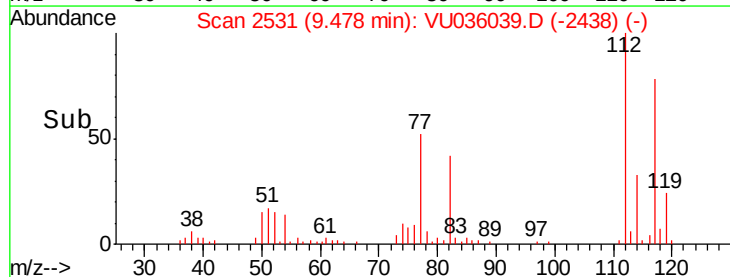
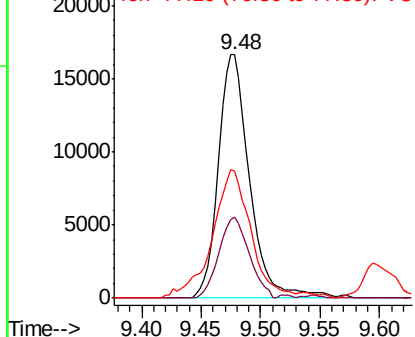


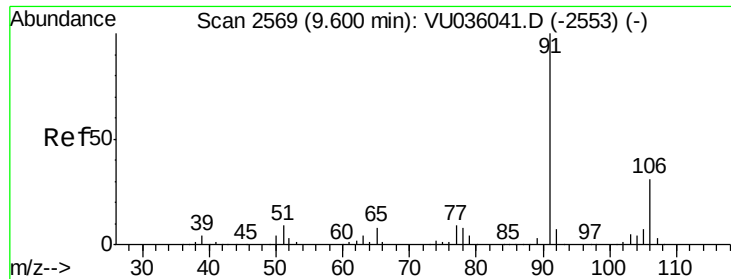
#51
Chlorobenzene
Concen: 0.520 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:112 Resp: 30271
Ion Ratio Lower Upper
112 100
114 33.2 22.3 41.5
77 52.2 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: 0.419 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

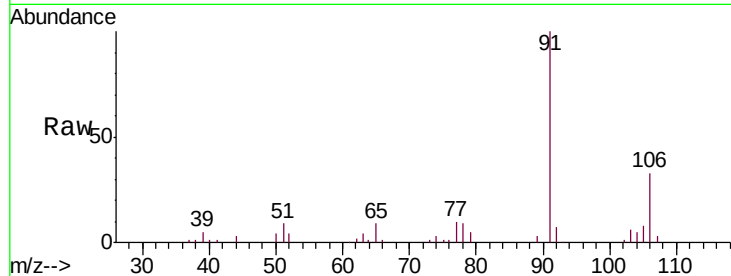
VSTD0.505

Tgt Ion: 91 Resp: 39217

Ion Ratio Lower Upper

91 100

106 32.5 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU036041.D (-2553) (-)

Ion 106.15 (105.85 to 106.85): VU036041.D (-2553) (-)

9.60

25000

20000

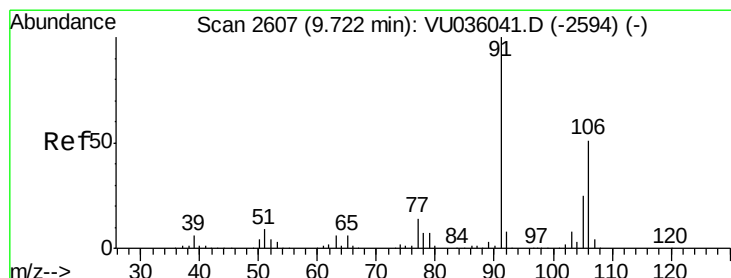
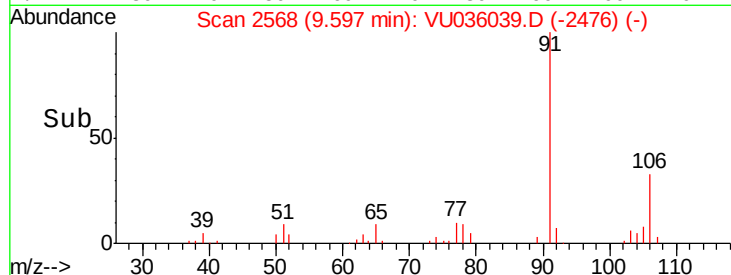
15000

10000

5000

0

Time--> 9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 0.441 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036039.D

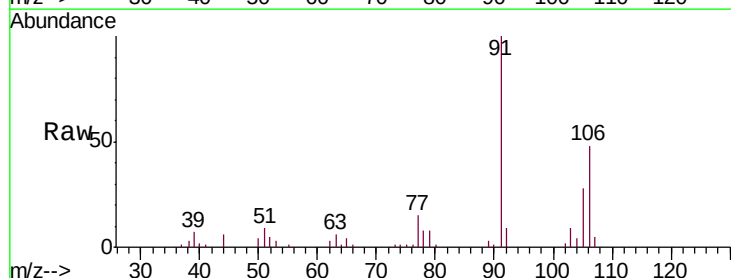
Acq: 09 Dec 2019 10:27

Tgt Ion: 106 Resp: 15536

Ion Ratio Lower Upper

106 100

91 208.6 136.9 254.3



Abundance Ion 106.15 (105.85 to 106.85): VU036041.D (-2594) (-)

Ion 91.15 (90.85 to 91.85): VU036041.D (-2594) (-)

9.72

20000

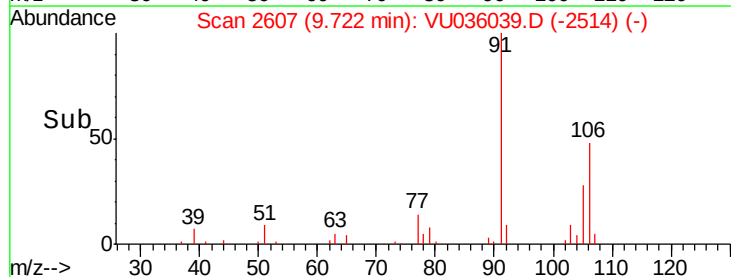
15000

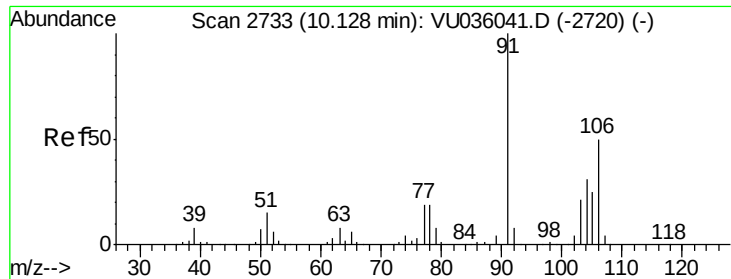
10000

5000

0

Time--> 9.65 9.70 9.75 9.80

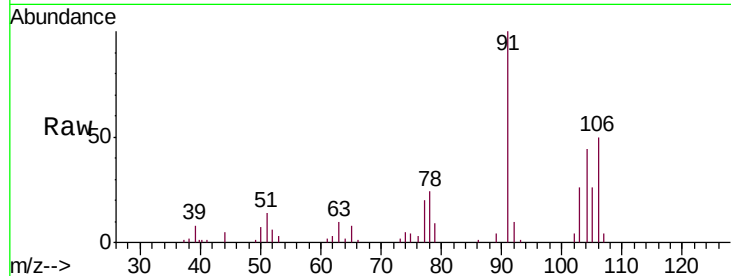




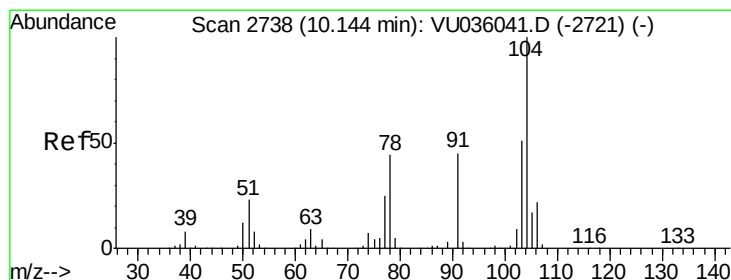
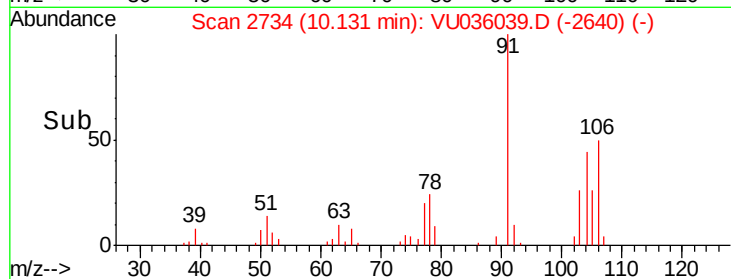
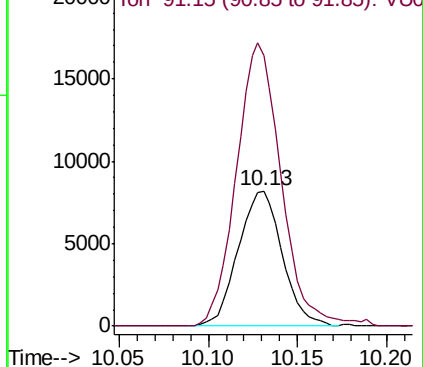
#54
o-Xylene
Concen: 0.434 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Tgt Ion:106 Resp: 14116
Ion Ratio Lower Upper
106 100
91 199.2 140.6 261.2

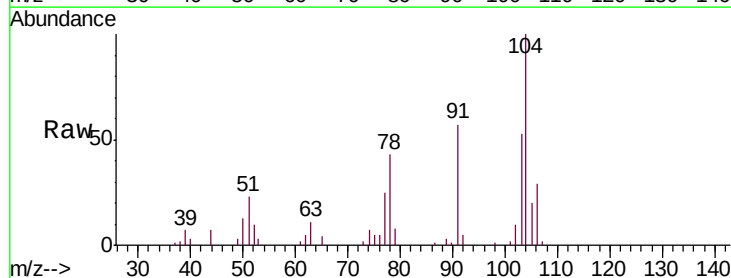


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

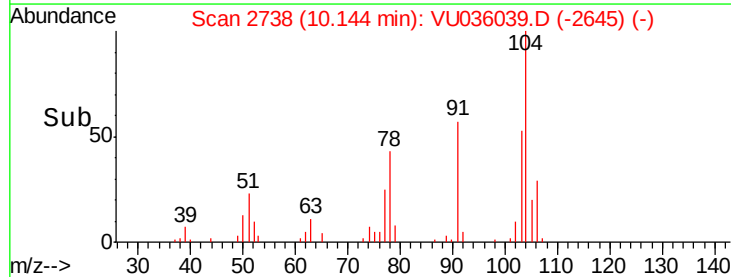
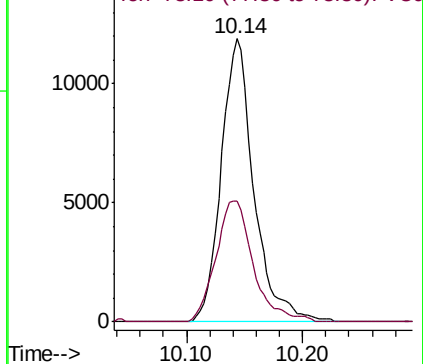


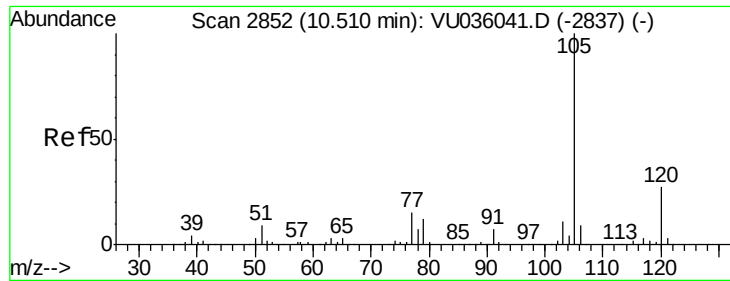
#55
Styrene
Concen: 0.424 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:104 Resp: 23183
Ion Ratio Lower Upper
104 100
78 42.5 30.5 56.7



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





#56

Isopropylbenzene

Concen: 0.374 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

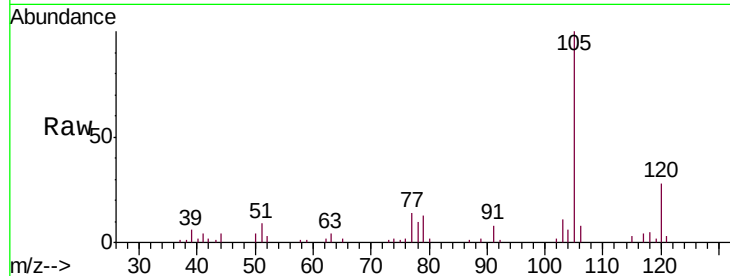
Tgt Ion: 105 Resp: 31860

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

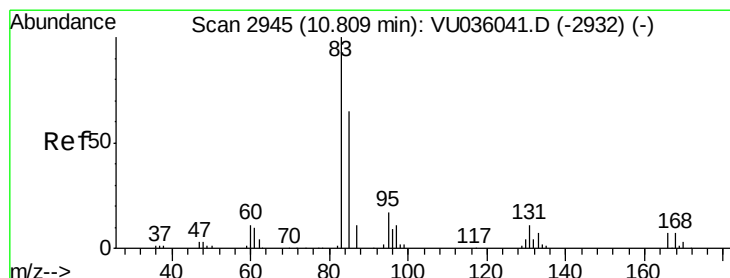
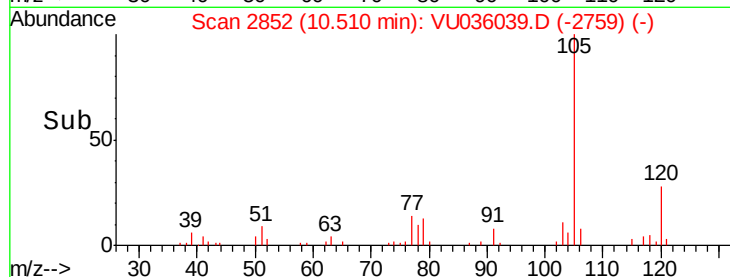
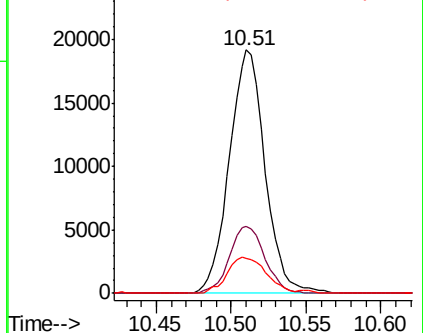
77 16.2 12.3 18.5



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: 0.459 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

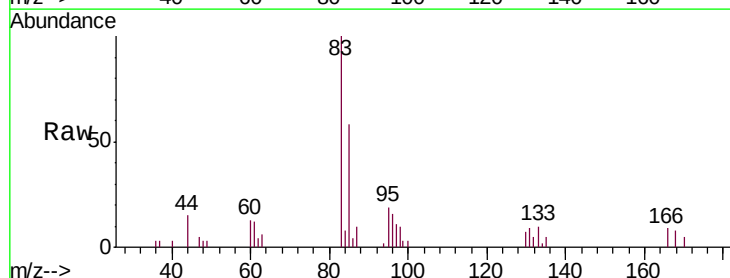
Tgt Ion: 83 Resp: 9705

Ion Ratio Lower Upper

83 100

85 58.2 45.4 84.2

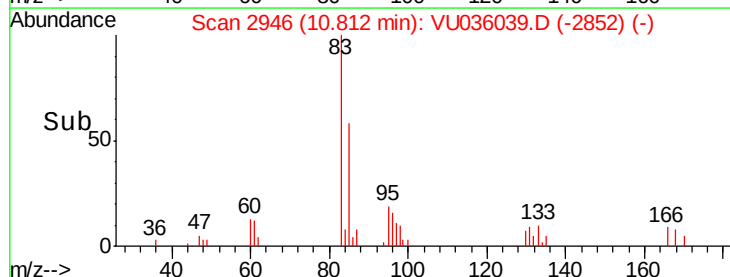
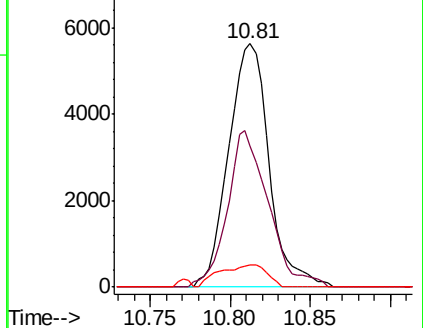
131 9.0 9.0 13.4

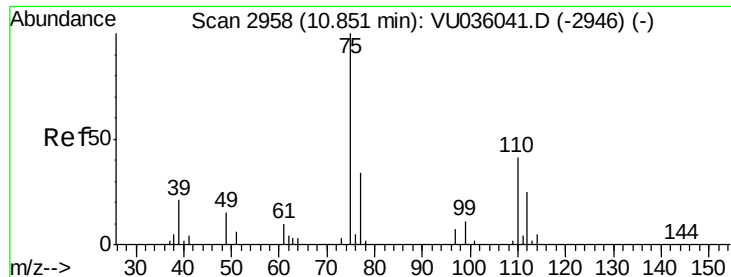


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

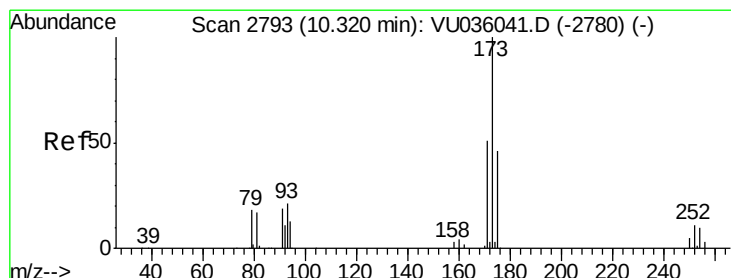
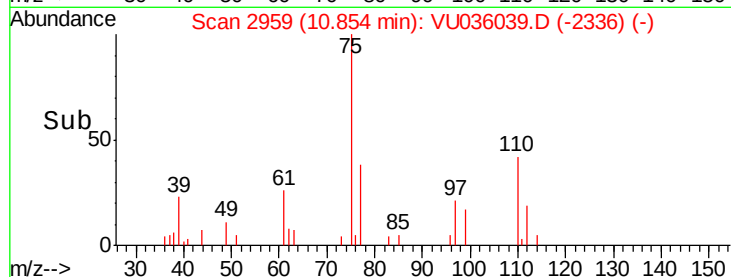
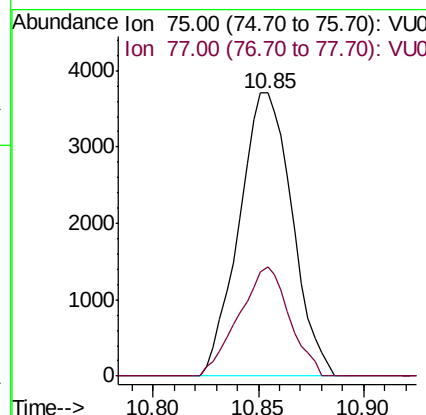
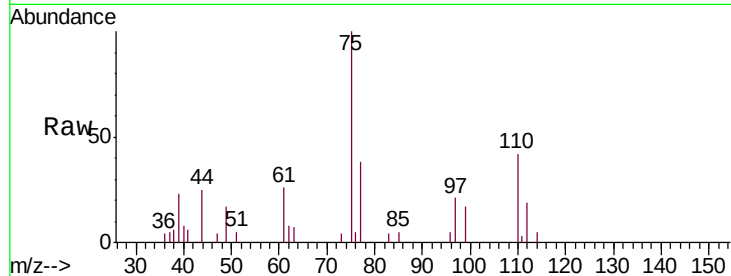




#59
 1,2,3-Trichloropropane
 Concen: 0.428 ug/L
 RT: 10.85 min Scan# 2959
 Delta R.T. 0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

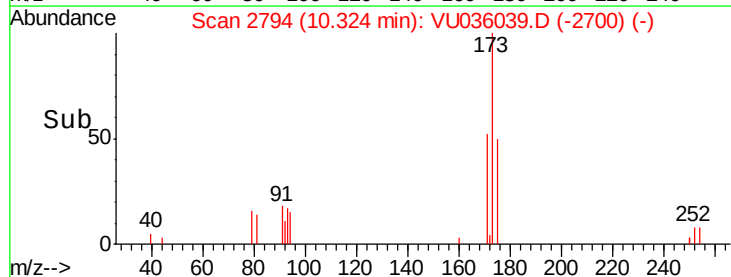
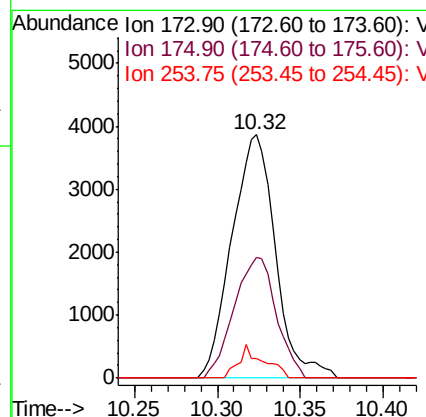
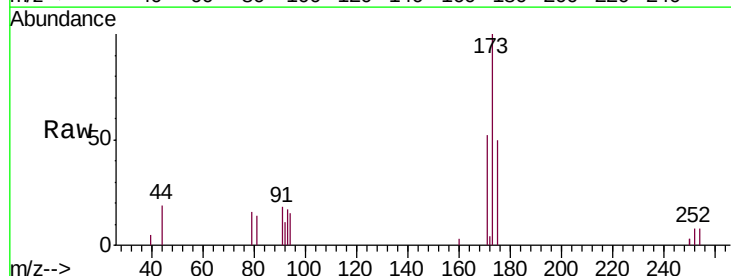
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

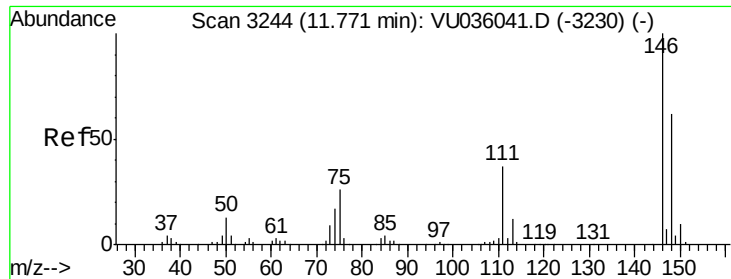
Tgt Ion: 75 Resp: 6470
 Ion Ratio Lower Upper
 75 100
 77 36.8 26.7 40.1



#61
 Bromoform
 Concen: 0.785 ug/L
 RT: 10.32 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

Tgt Ion: 173 Resp: 7066
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.4 59.0
 254 7.7 8.1 12.1#

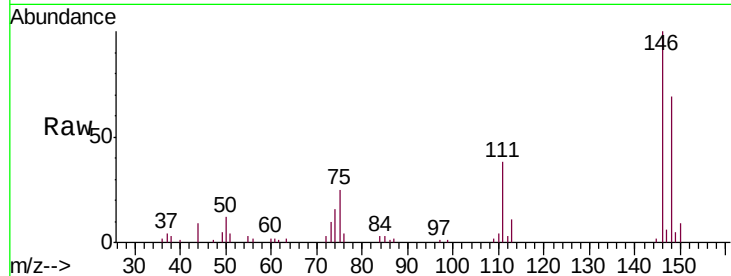




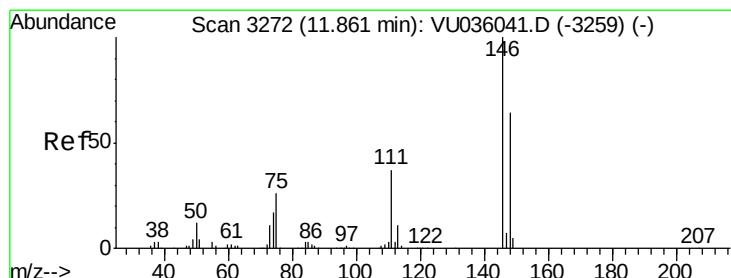
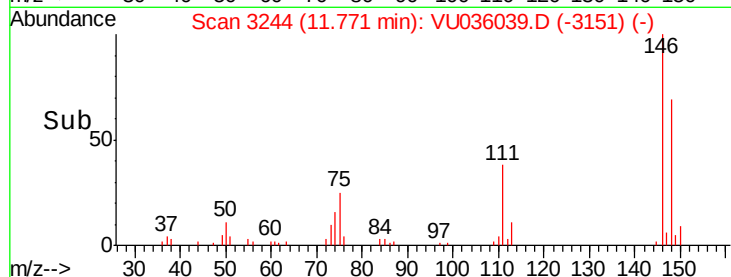
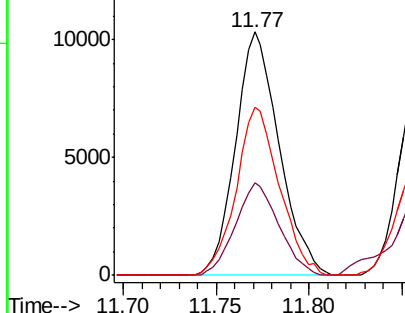
#62
 1,3-Dichlorobenzene
 Concen: 0.521 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tgt Ion:146 Resp: 16817
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.0 48.2
 148 69.0 43.7 81.1

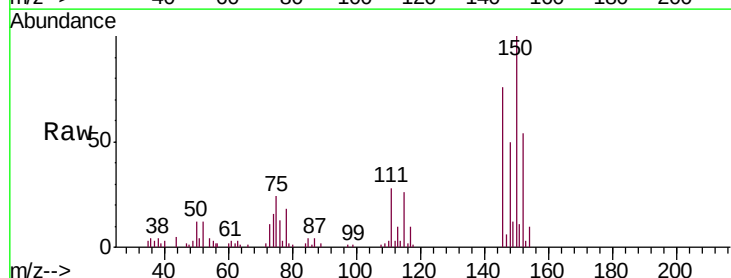


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

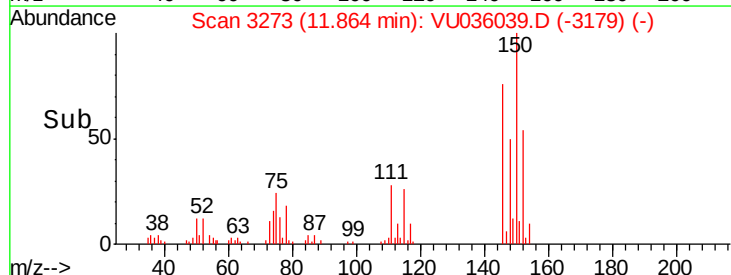
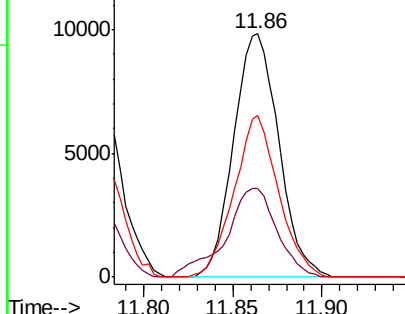


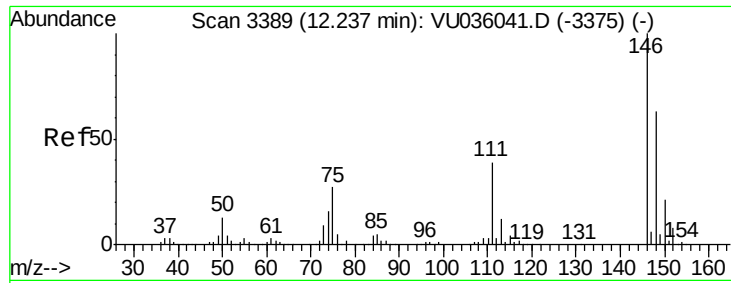
#63
 1,4-Dichlorobenzene
 Concen: 0.539 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. 0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

Tgt Ion:146 Resp: 17312
 Ion Ratio Lower Upper
 146 100
 111 36.3 26.2 48.6
 148 66.4 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

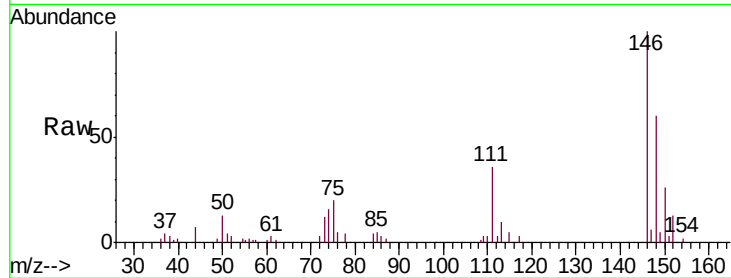




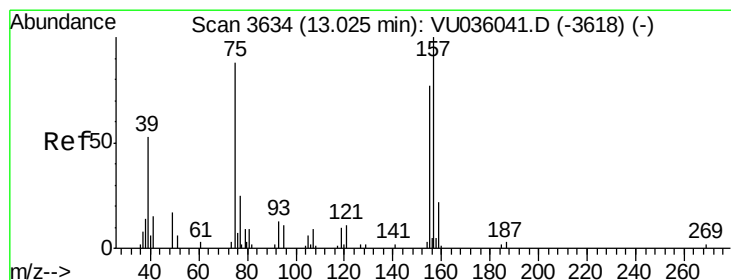
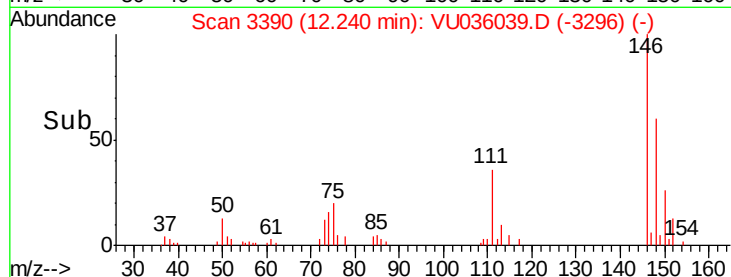
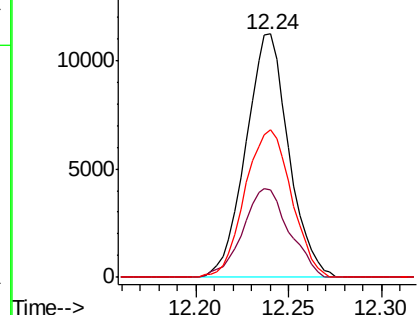
#65
 1,2-Dichlorobenzene
 Concen: 0.586 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tgt Ion: 146 Resp: 18052
 Ion Ratio Lower Upper
 146 100
 111 35.8 31.3 46.9
 148 60.5 50.5 75.7

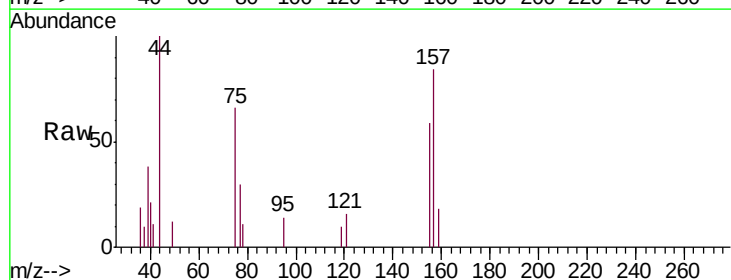


Abundance Ion 145.95 (145.65 to 146.65): V
 15000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

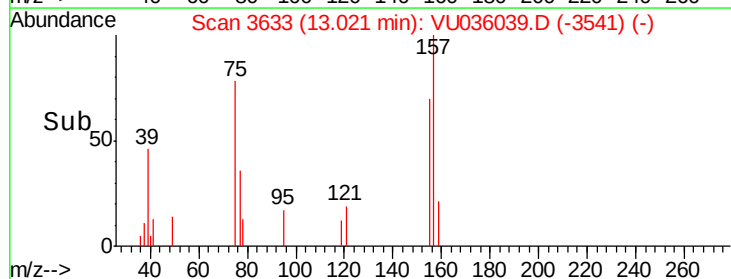
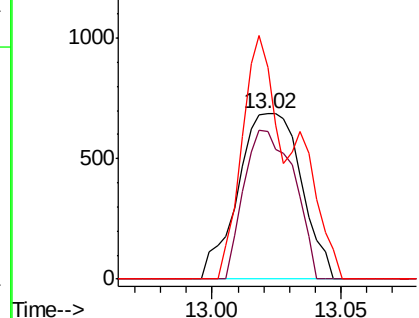


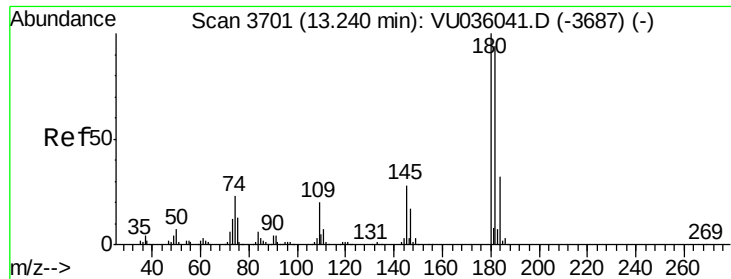
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.498 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

Tgt Ion: 75 Resp: 1175
 Ion Ratio Lower Upper
 75 100
 155 89.5 70.0 105.0
 157 128.1 90.5 135.7



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

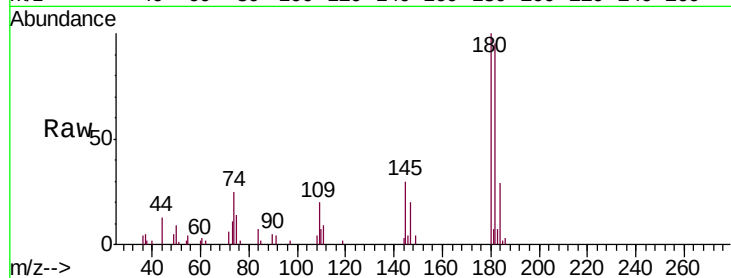




#67
 1,3,5-Trichlorobenzene
 Concen: 0.487 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.8	75.2	112.8
184	30.2	24.2	36.2
145	28.1	21.7	32.5



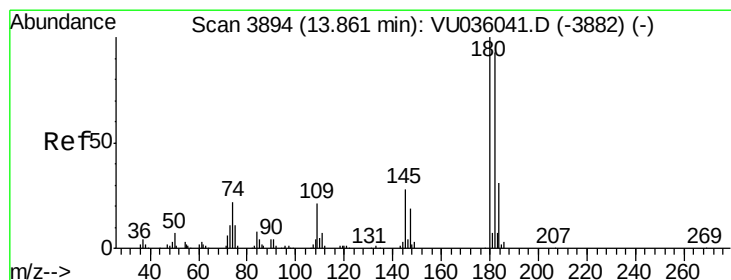
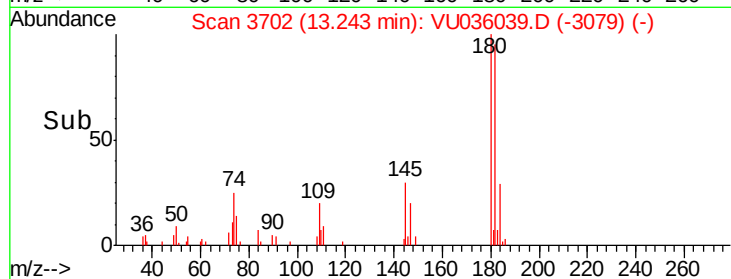
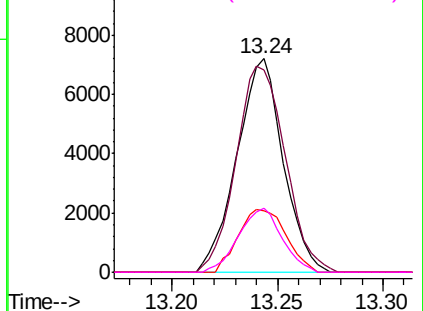
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

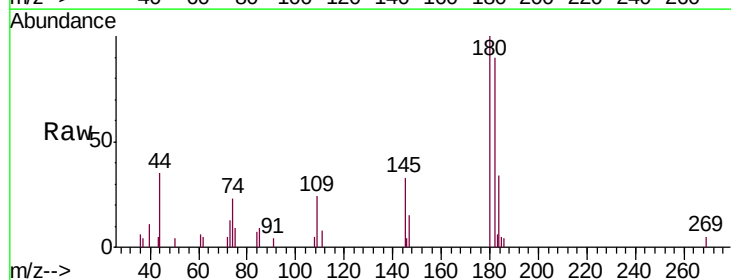
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.365 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU036039.D
 Acq: 09 Dec 2019 10:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.7	74.3	111.5
145	32.3	22.1	33.1

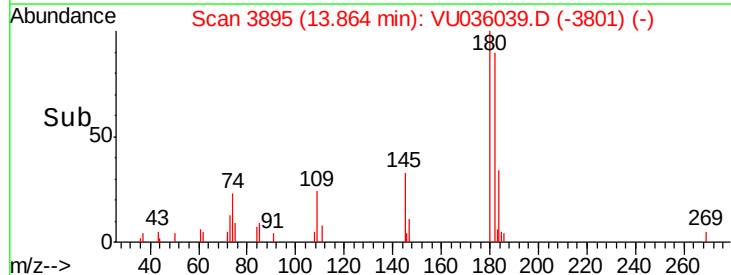
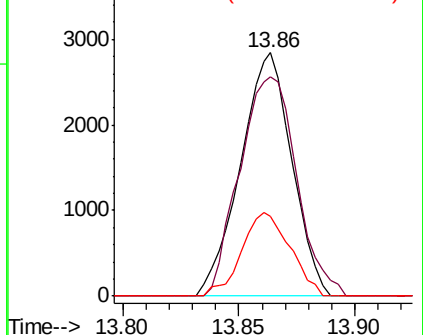


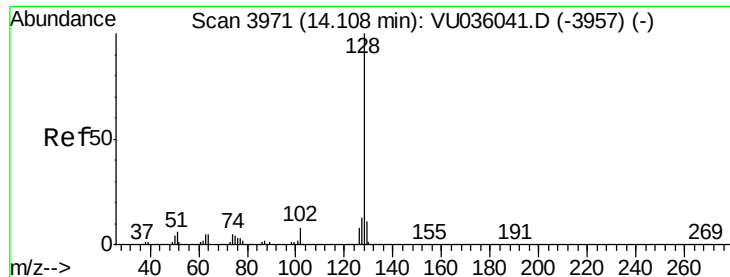
Abundance

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: 0.320 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

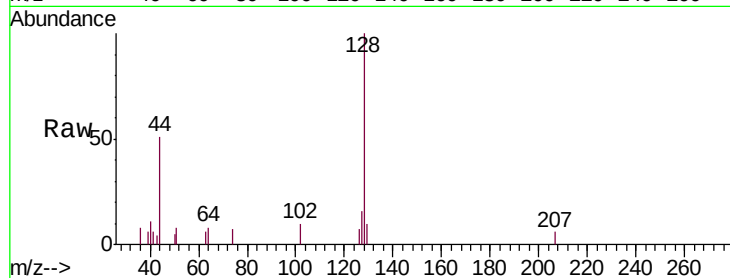
Tgt Ion:128 Resp: 4234

Ion Ratio Lower Upper

128 100

129 8.4 9.2 13.8#

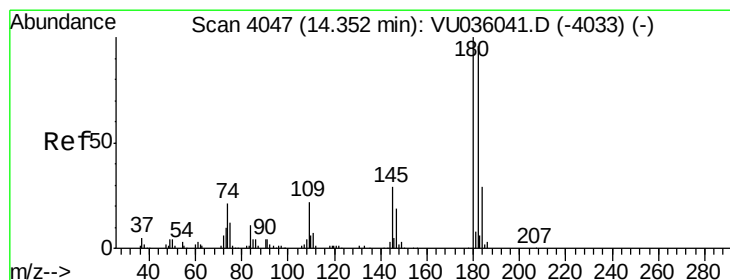
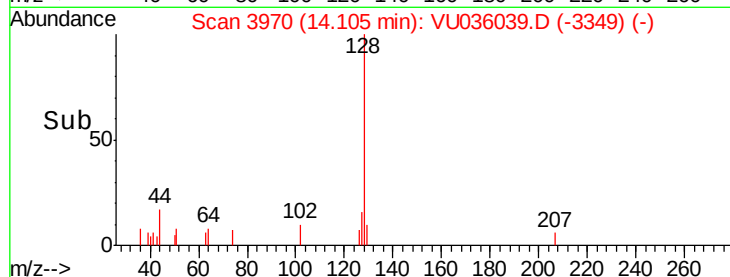
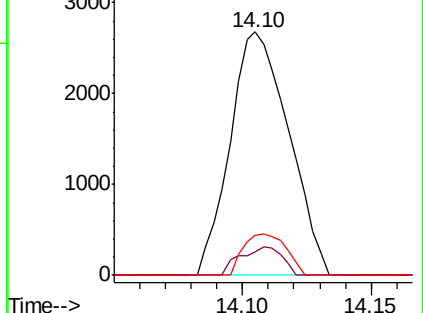
127 12.4 11.1 16.7



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: 0.428 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036039.D

Acq: 09 Dec 2019 10:27

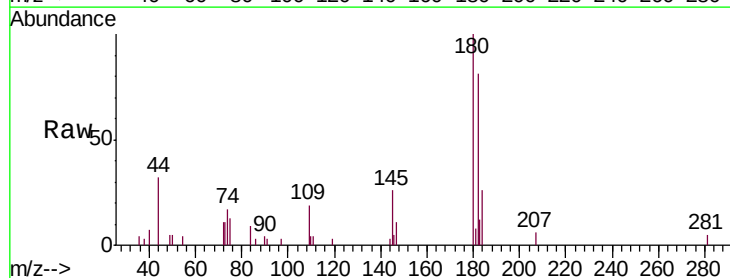
Tgt Ion:180 Resp: 4985

Ion Ratio Lower Upper

180 100

182 93.1 76.9 115.3

145 25.6 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

