

Data File : VU036367.D
Acq On : 28 Dec 2019 14:00
Operator : JC/MD
Sample : VSTD02006
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Quant Time: Dec 30 04:29:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 30 04:25:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	287341	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	274986	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	134457	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	400279	16.30	ug/L	0.00
7) Chloroethane-d5	1.93	69	386551	17.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	731744	19.79	ug/L	0.00
20) 2-Butanone-d5	4.69	46	1078776	220.50	ug/L	0.00
24) Chloroform-d	5.11	84	795506	19.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	417799	19.24	ug/L	0.00
32) Benzene-d6	5.77	84	1518241	21.40	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	483710	21.56	ug/L	0.00
41) Toluene-d8	7.93	98	1425283	21.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	218898	23.43	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	1009238	270.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	417635	20.58	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	514010	19.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	423007	14.021 ug/L	100
3) Chloromethane	1.54	50	425628	11.490 ug/L	97
5) Vinyl chloride	1.62	62	460131	12.969 ug/L	97
6) Bromomethane	1.87	94	279607	15.511 ug/L	96
8) Chloroethane	1.95	64	280078	13.268 ug/L	100
9) Trichlorofluoromethane	2.16	101	638883	14.131 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	324426	14.670 ug/L	98
12) 1,1-Dichloroethene	2.61	96	330168	16.144 ug/L	96
13) Acetone	2.67	43	662183	166.267 ug/L	93
14) Carbon disulfide	2.82	76	1085054	15.841 ug/L	99
15) Methyl Acetate	2.99	43	158832	19.667 ug/L	96
16) Methylene chloride	3.08	84	383460	12.708 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	975213	20.927 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	364587	16.698 ug/L	95
19) 1,1-Dichloroethane	3.92	63	695802	17.409 ug/L	98
21) 2-Butanone	4.77	43	1120743	206.564 ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	419930	17.900 ug/L	# 99
23) Bromochloromethane	5.02	128	177033	15.976 ug/L	94
25) Chloroform	5.13	83	727746	16.749 ug/L	98
27) 1,2-Dichloroethane	5.84	62	472670	18.138 ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	650423	19.130 ug/L	99
30) Cyclohexane	5.43	56	636708	21.305 ug/L	96
31) Carbon tetrachloride	5.57	117	568575	18.609 ug/L	100
33) Benzene	5.82	78	1555853	18.711 ug/L	100
34) Trichloroethene	6.58	95	425976	19.613 ug/L	96
35) Methylcyclohexane	6.80	83	670749	21.138 ug/L	98
37) 1,2-Dichloropropane	6.83	63	408102	18.941 ug/L	100
38) Bromodichloromethane	7.14	83	559628	19.894 ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	670983	22.122 ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	2816970	237.716 ug/L	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1717783	19.216	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	556503	22.154	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	296562	18.523	ug/L	96
47) Tetrachloroethene	8.58	164	296846	15.710	ug/L	97
48) 2-Hexanone	8.72	43	2057705	236.563	ug/L	98
49) Dibromochloromethane	8.84	129	392045	19.798	ug/L	99
50) 1,2-Dibromoethane	8.96	107	301348	19.566	ug/L #	100
51) Chlorobenzene	9.47	112	1073391	18.165	ug/L	99
52) Ethylbenzene	9.60	91	1945813	21.012	ug/L	99
53) m,p-Xylene	9.72	106	734595	20.860	ug/L	99
54) o-Xylene	10.13	106	713545	20.824	ug/L	99
55) Styrene	10.14	104	1227016	20.513	ug/L	99
56) Isopropylbenzene	10.51	105	1874371	21.148	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	393806	19.249	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	278499	19.566	ug/L	97
61) Bromoform	10.32	173	225776	19.138	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	847247	18.796	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	841502	18.808	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	802001	18.687	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	73812	23.784	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	628644	18.487	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	524336	22.832	ug/L	98
69) Naphthalene	14.10	128	1014378	32.093	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	479170	21.853	ug/L	98

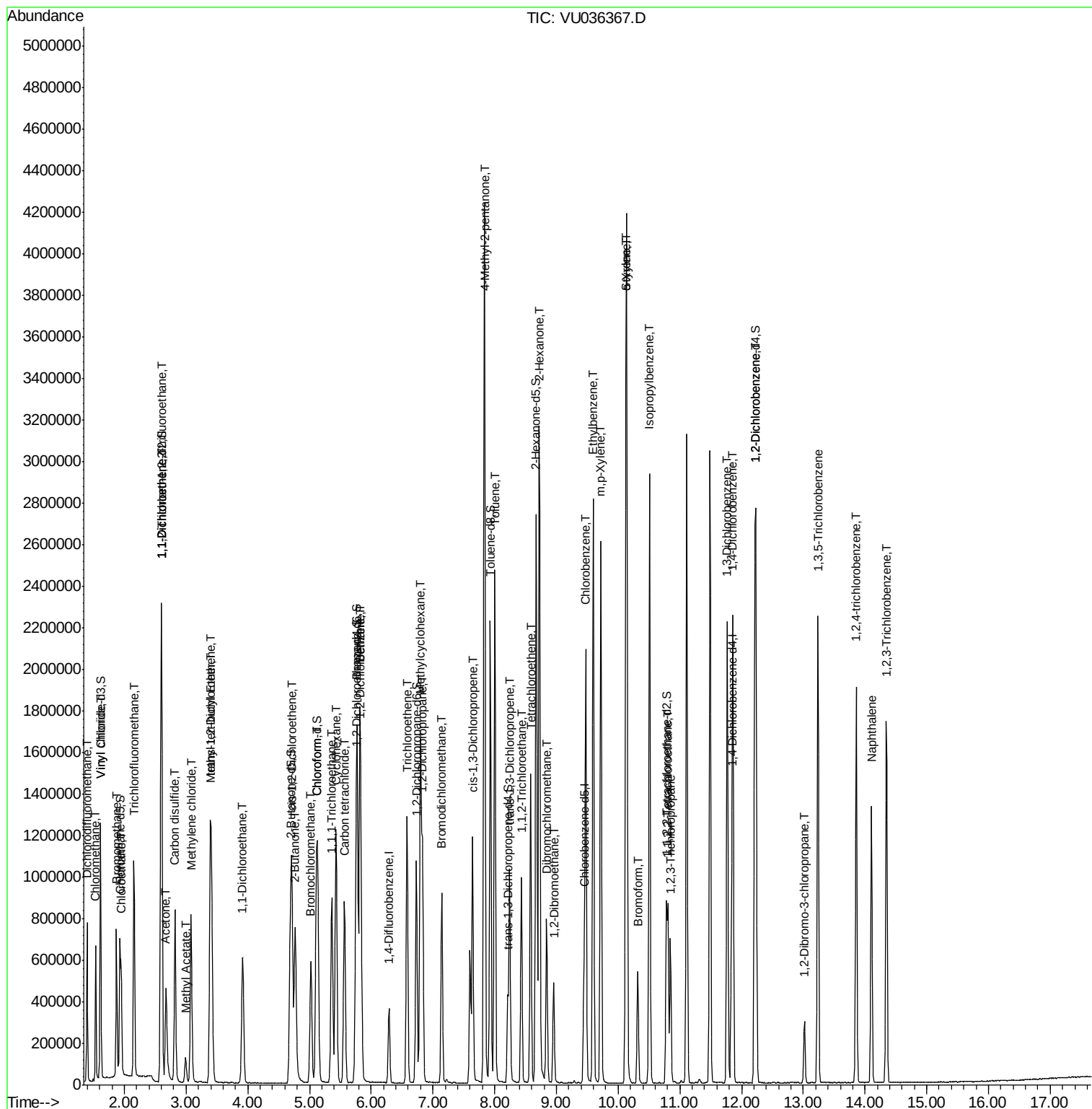
(#) = qualifier out of range (m) = manual integration (+) = signals summed

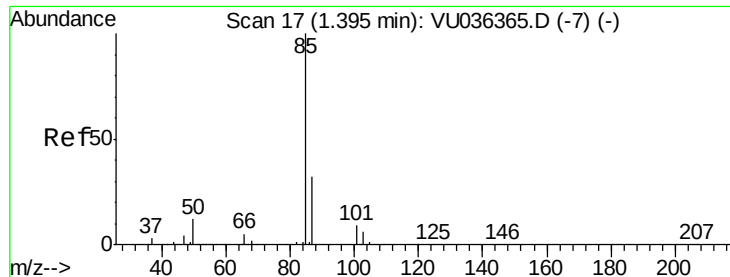
Data File : VU036367.D

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#2

Dichlorodifluoromethane

Concen: 14.021 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

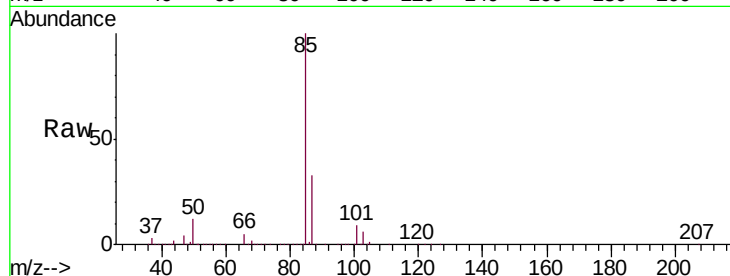
VSTD02006

Tgt Ion: 85 Resp: 423007

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036367.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU036367.D (-7) (-)

1.39

400000

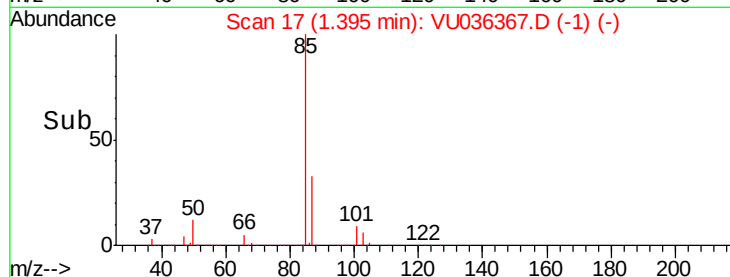
300000

200000

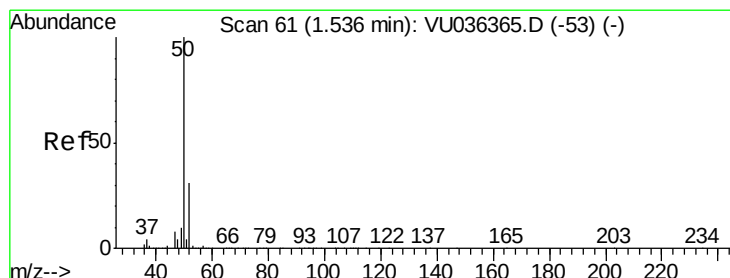
100000

0

Time-->



Time-->



#3

Chloromethane

Concen: 11.490 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036367.D

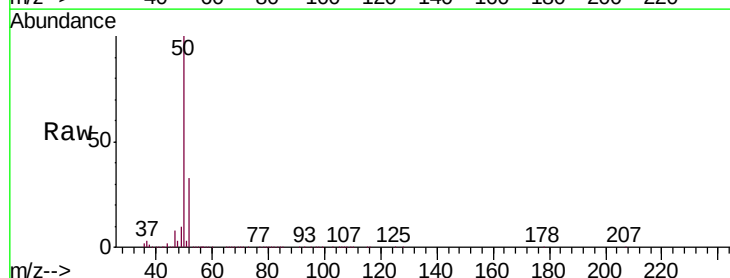
Acq: 28 Dec 2019 14:00

Tgt Ion: 50 Resp: 425628

Ion Ratio Lower Upper

50 100

52 32.9 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VU036367.D (-53) (-)

Ion 52.05 (51.75 to 52.75): VU036367.D (-53) (-)

1.54

400000

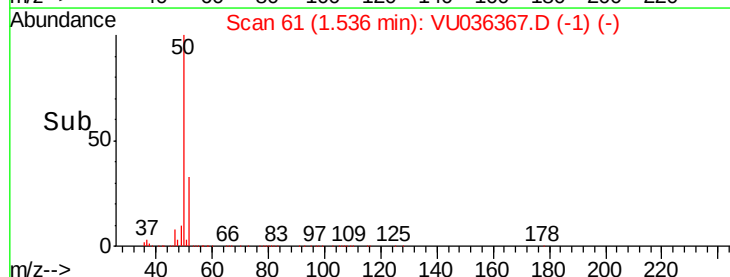
300000

200000

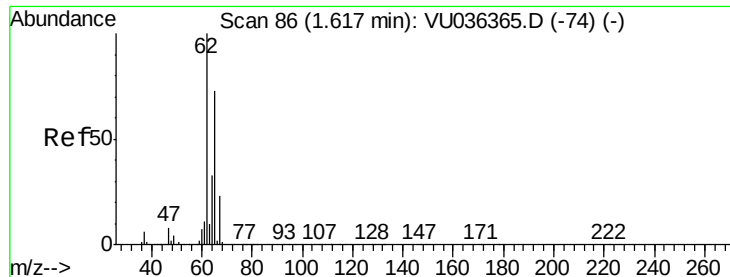
100000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 12.969 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

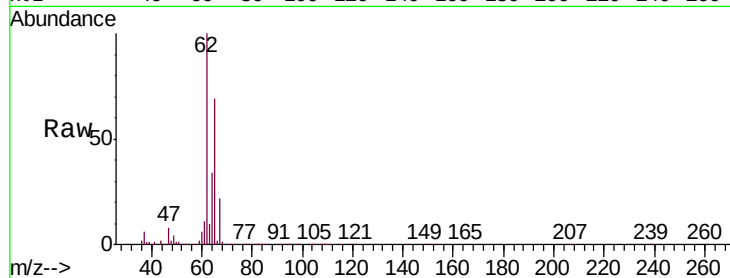
VSTD02006

Tgt Ion: 62 Resp: 460131

Ion Ratio Lower Upper

62 100

64 34.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU036367.D (-74) (-)

Ion 64.10 (63.80 to 64.80): VU036367.D (-74) (-)

1.62

400000

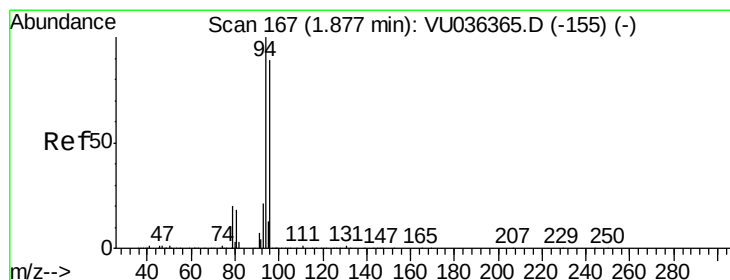
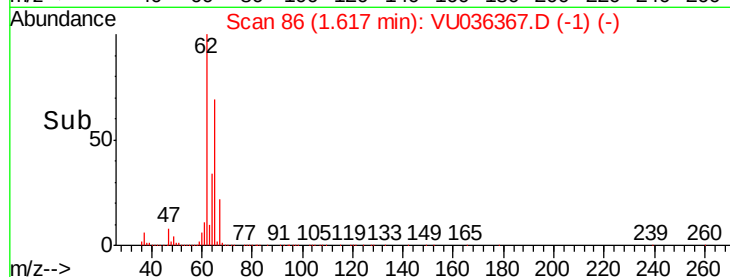
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 15.511 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036367.D

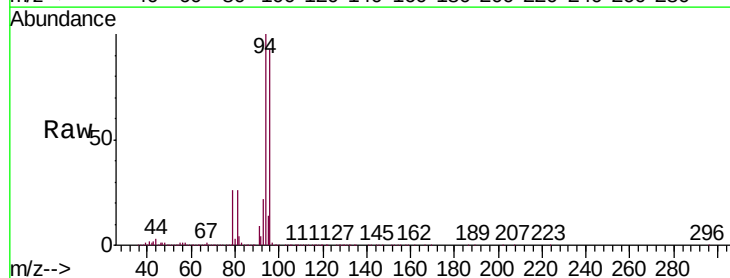
Acq: 28 Dec 2019 14:00

Tgt Ion: 94 Resp: 279607

Ion Ratio Lower Upper

94 100

96 93.2 62.9 116.7



Abundance Ion 94.00 (93.70 to 94.70): VU036367.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036367.D (-155) (-)

1.87

250000

200000

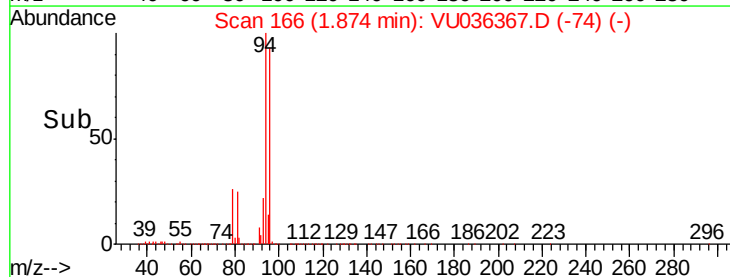
150000

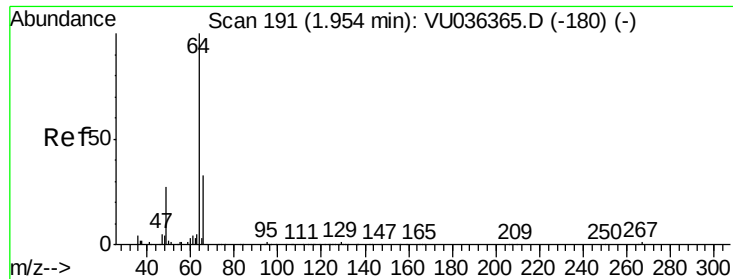
100000

50000

0

Time-->





#8

Chloroethane

Concen: 13.268 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

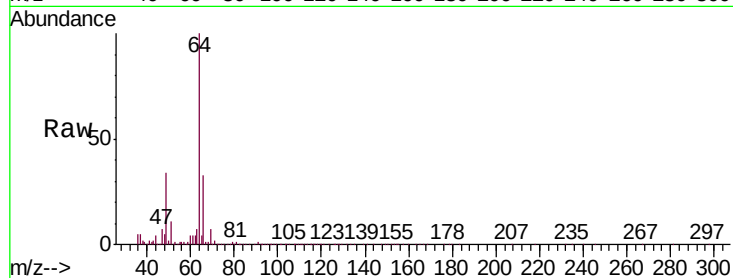
VSTD02006

Tgt Ion: 64 Resp: 280078

Ion Ratio Lower Upper

64 100

66 32.9 23.0 42.6



Abundance Ion 64.10 (63.80 to 64.80): VU036367.D (-190) (-)

Ion 66.05 (65.75 to 66.75): VU036367.D (-190) (-)

250000

200000

150000

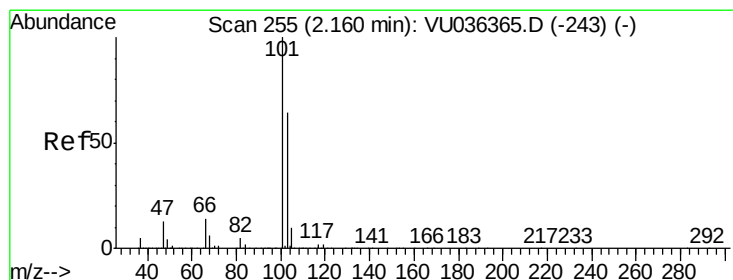
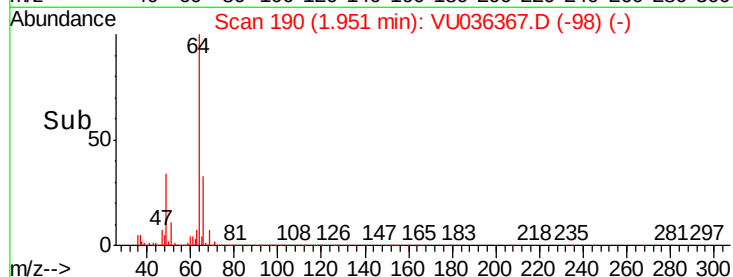
100000

50000

0

1.85 1.90 1.95 2.00 2.05

Time-->



#9

Trichlorofluoromethane

Concen: 14.131 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036367.D

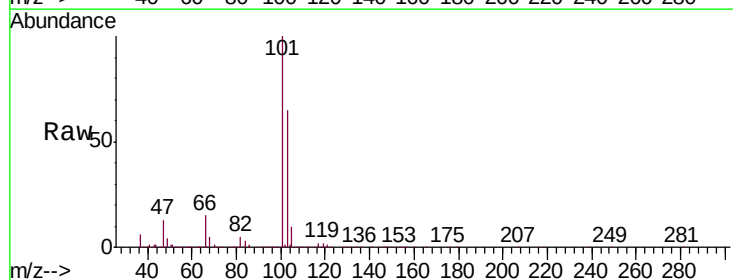
Acq: 28 Dec 2019 14:00

Tgt Ion: 101 Resp: 638883

Ion Ratio Lower Upper

101 100

103 64.9 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VU036367.D (-254) (-)

Ion 103.00 (102.70 to 103.70): VU036367.D (-254) (-)

500000

400000

300000

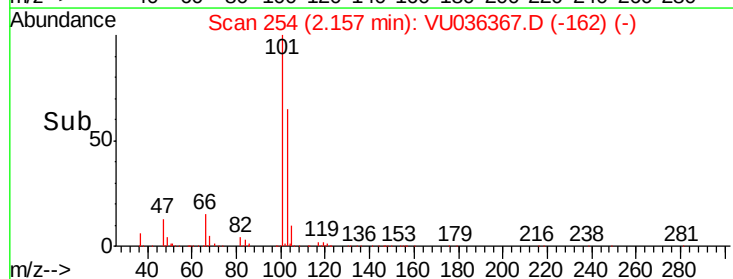
200000

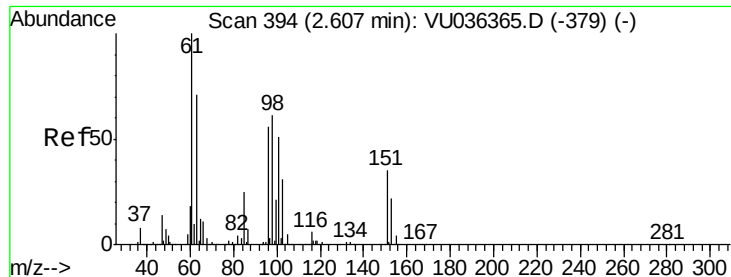
100000

0

2.10 2.20 2.30

Time-->





#10

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

Concen: 14.670 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

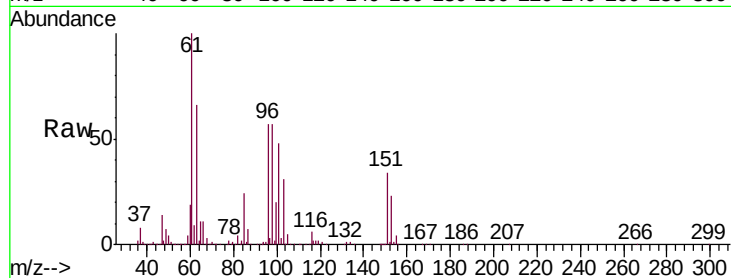
Tgt Ion: 101 Resp: 324426

Ion Ratio Lower Upper

101 100

85 47.2 39.1 58.7

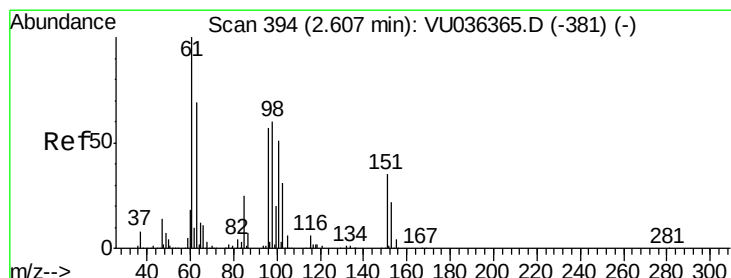
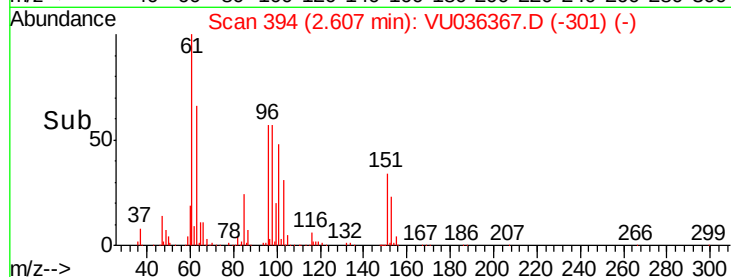
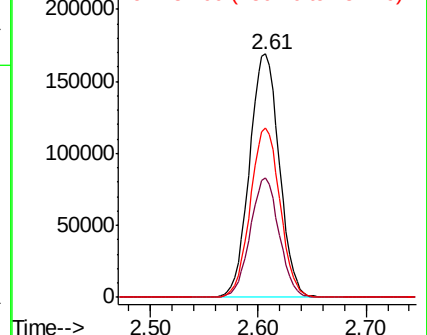
151 69.3 54.9 82.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 16.144 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

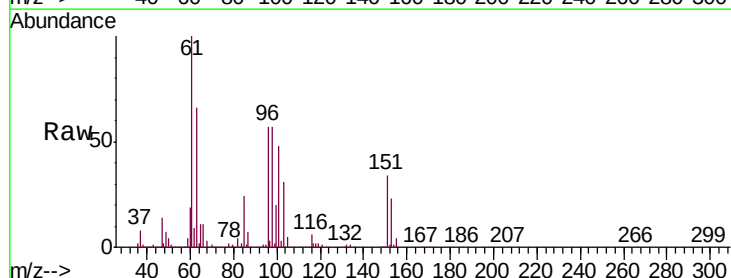
Tgt Ion: 96 Resp: 330168

Ion Ratio Lower Upper

96 100

61 176.1 123.8 230.0

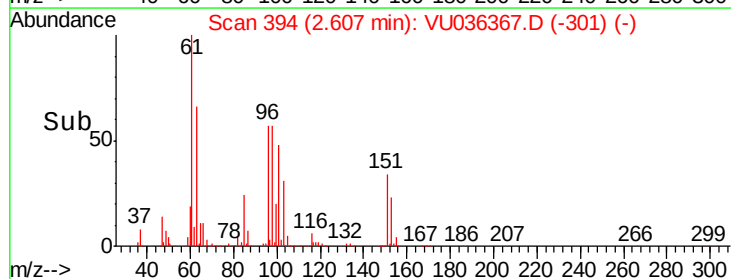
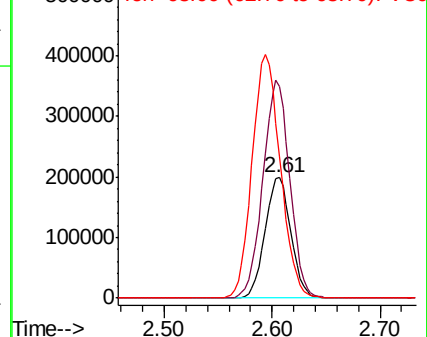
63 116.8 89.0 165.4

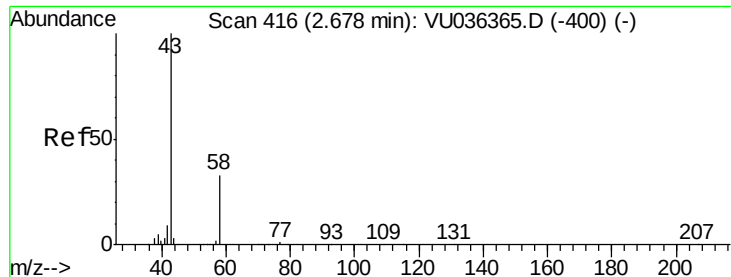


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 166.267 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

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ClientSampleId :

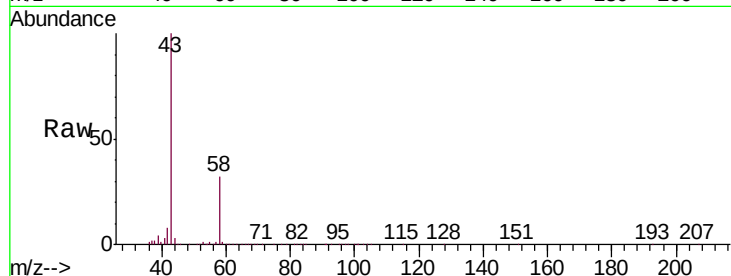
VSTD02006

Tgt Ion: 43 Resp: 662183

Ion Ratio Lower Upper

43 100

58 32.0 0.0 57.0



Abundance Ion 43.05 (42.75 to 43.75): VU036365.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU036365.D (-400) (-)

2.67

300000

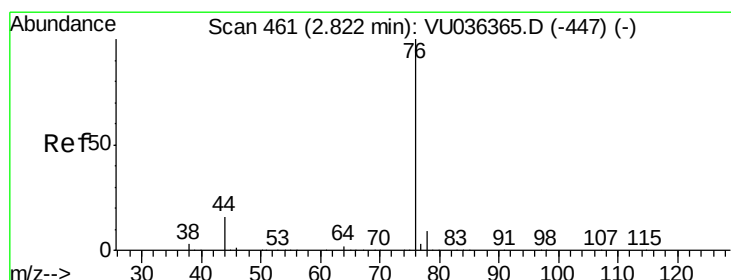
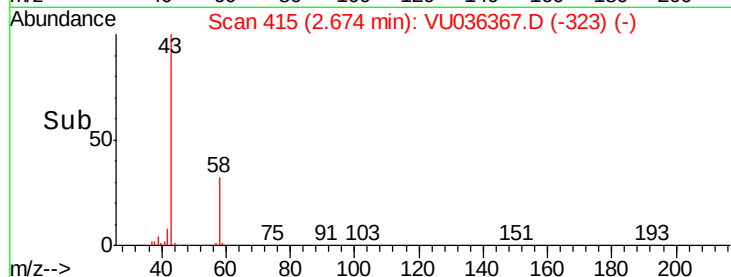
200000

100000

0

2.60 2.70 2.80 2.90

Time-->



#14

Carbon disulfide

Concen: 15.841 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036367.D

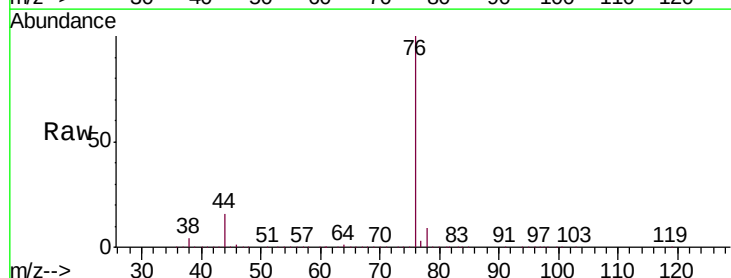
Acq: 28 Dec 2019 14:00

Tgt Ion: 76 Resp: 1085054

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU036365.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036365.D (-447) (-)

2.82

600000

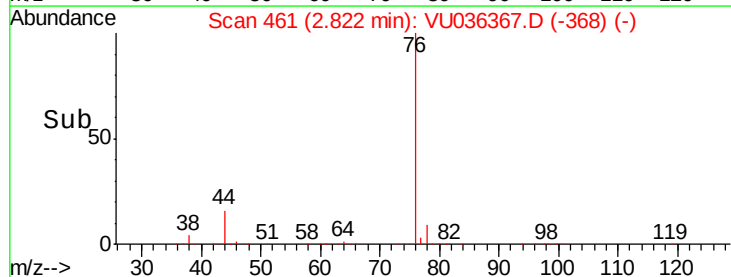
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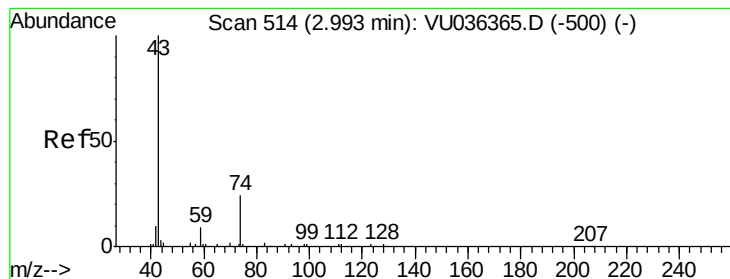
200000

0

2.70 2.80 2.90 3.00

Time-->





#15

Methyl Acetate

Concen: 19.667 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

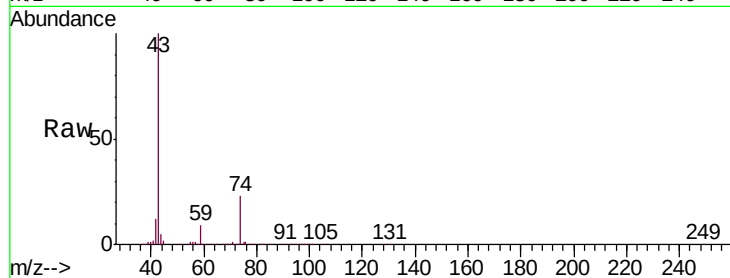
VSTD02006

Tgt Ion: 43 Resp: 158832

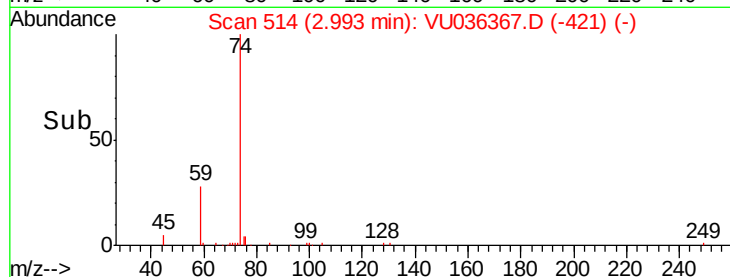
Ion Ratio Lower Upper

43 100

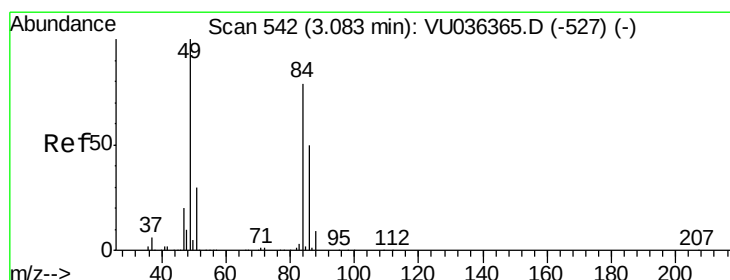
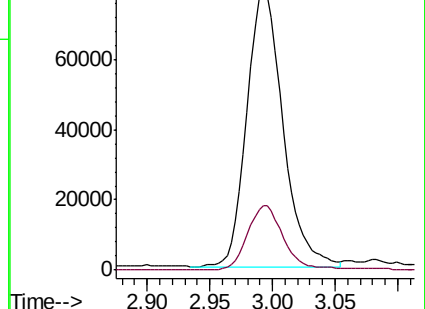
74 23.0 20.1 30.1



Abundance Ion 43.05 (42.75 to 43.75): VU036367.D (-421) (-)



Ion 74.05 (73.75 to 74.75): VU036367.D (-421) (-)



#16

Methylene chloride

Concen: 12.708 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

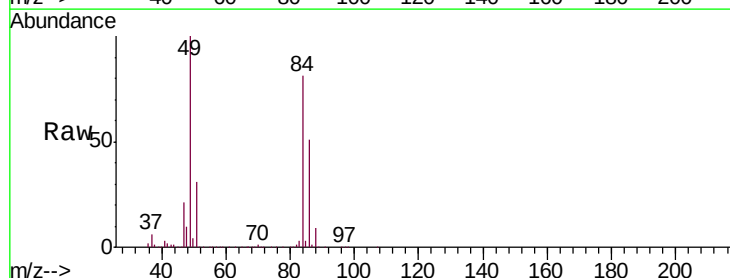
Tgt Ion: 84 Resp: 383460

Ion Ratio Lower Upper

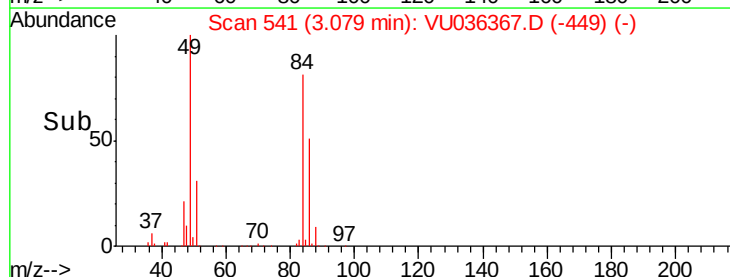
84 100

86 63.3 44.4 82.5

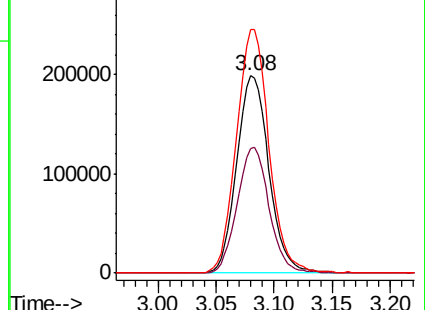
49 123.4 89.0 165.2

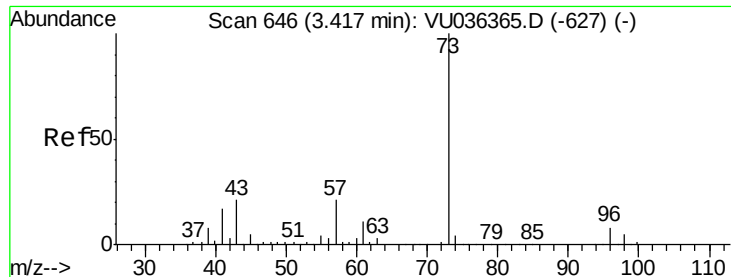


Abundance Ion 84.05 (83.75 to 84.75): VU036367.D (-449) (-)



Ion 86.00 (85.70 to 86.70): VU036367.D (-449) (-)





#17

Methyl tert-butyl Ether

Concen: 20.927 ug/L

RT: 3.41 min Scan# 645

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

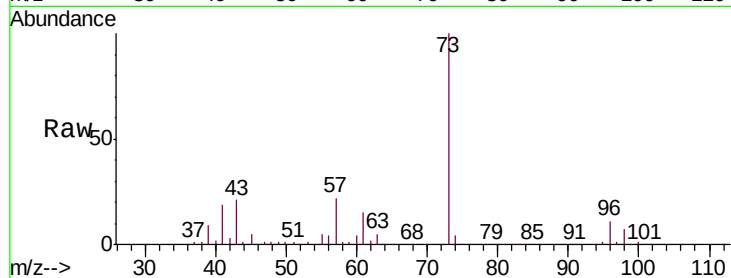
Tgt Ion: 73 Resp: 975213

Ion Ratio Lower Upper

73 100

43 20.5 16.3 24.5

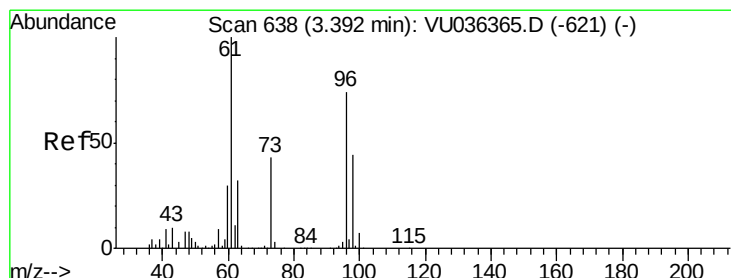
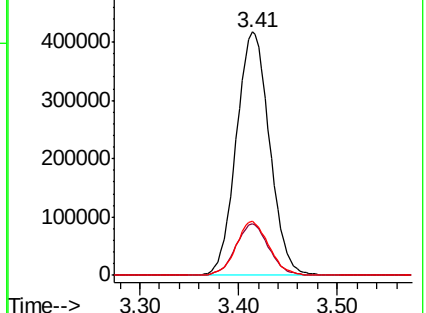
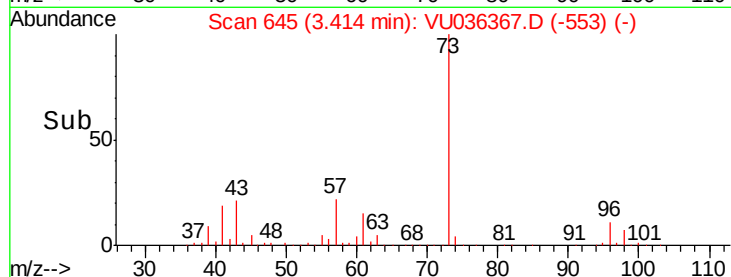
57 21.5 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU036367.D (-553) (-)

Ion 43.05 (42.75 to 43.75): VU036367.D (-553) (-)

Ion 57.10 (56.80 to 57.80): VU036367.D (-553) (-)



#18

trans-1,2-Dichloroethene

Concen: 16.698 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

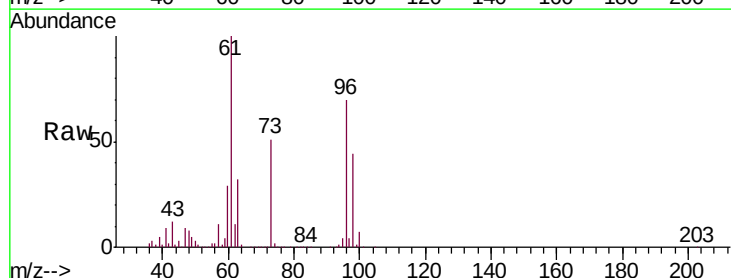
Tgt Ion: 96 Resp: 364587

Ion Ratio Lower Upper

96 100

61 142.7 94.8 176.2

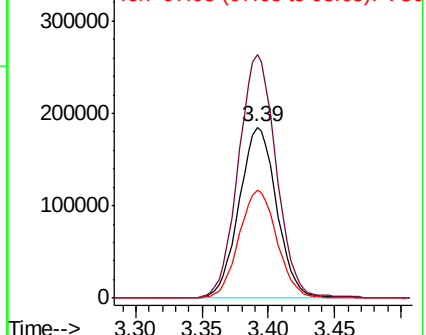
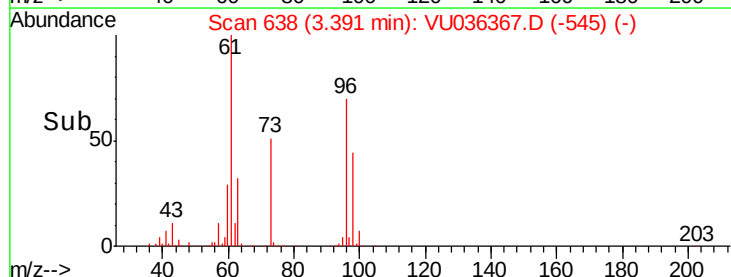
98 62.9 42.3 78.5

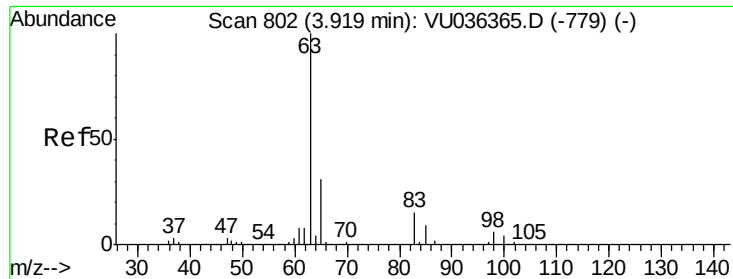


Abundance Ion 96.00 (95.70 to 96.70): VU036367.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU036367.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU036367.D (-545) (-)

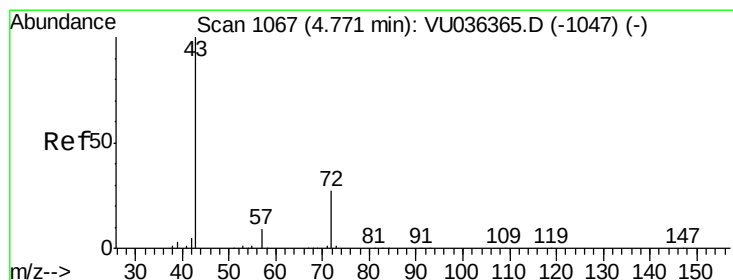
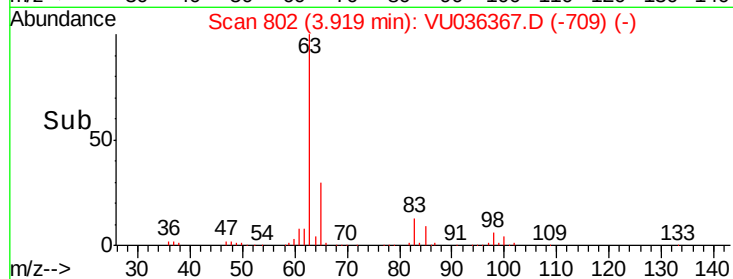
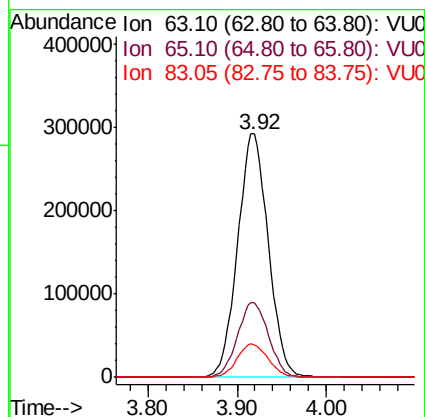
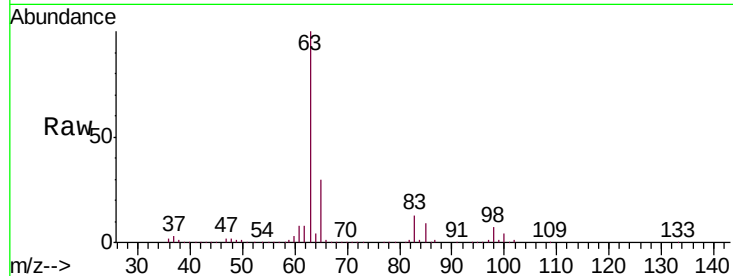




#19
 1,1-Dichloroethane
 Concen: 17.409 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

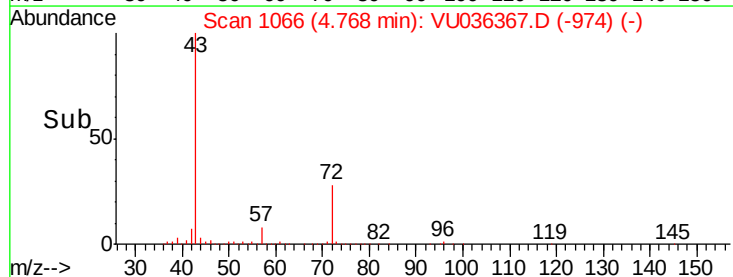
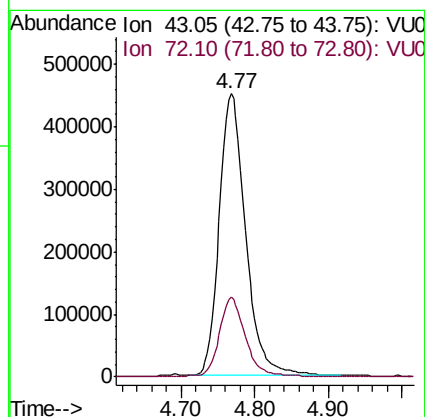
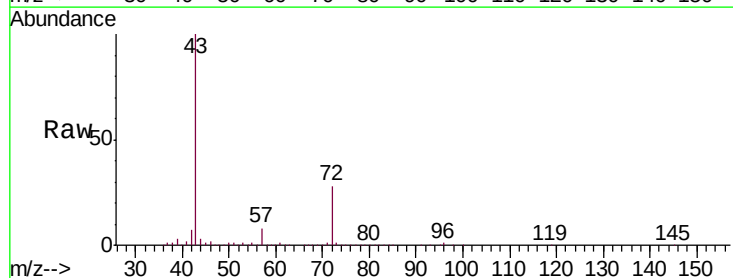
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

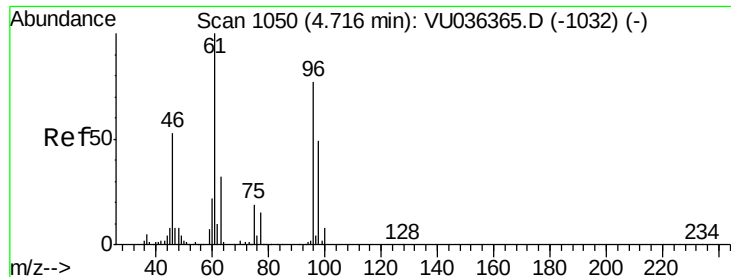
Tgt Ion: 63 Resp: 695802
 Ion Ratio Lower Upper
 63 100
 65 30.5 21.9 40.7
 83 13.5 10.6 19.8



#21
 2-Butanone
 Concen: 206.564 ug/L
 RT: 4.77 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

Tgt Ion: 43 Resp: 1120743
 Ion Ratio Lower Upper
 43 100
 72 28.4 12.5 37.5





#22

cis-1,2-Dichloroethene

Concen: 17.900 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

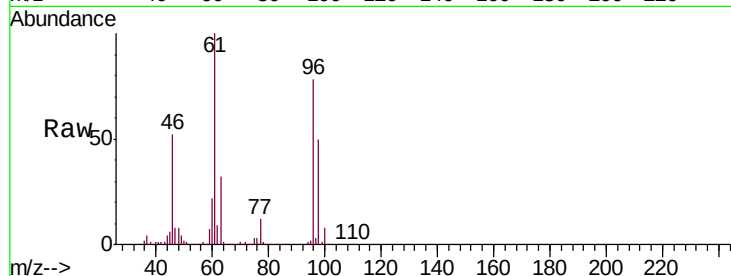
Tgt Ion: 96 Resp: 419930

Ion Ratio Lower Upper

96 100

61 127.8 90.5 168.1

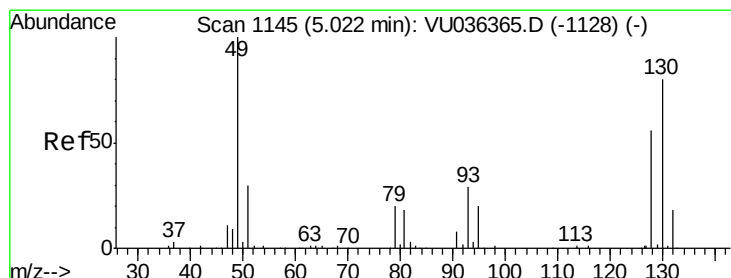
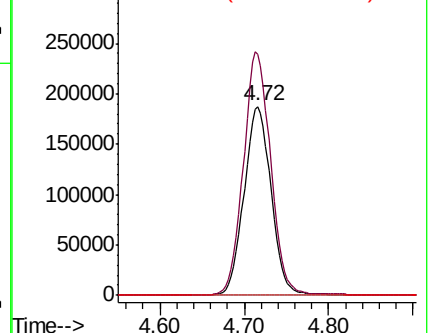
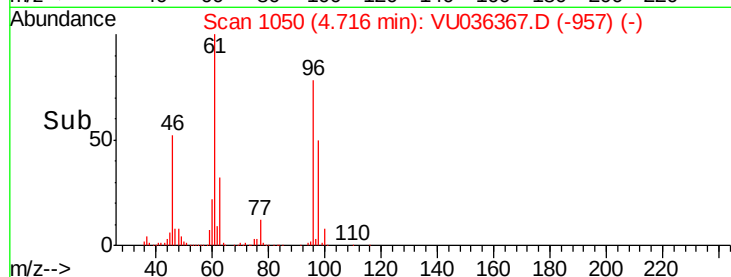
68 0.0 0.3 0.5#



Abundance Ion 96.00 (95.70 to 96.70): VU036367.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036367.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036367.D (-957) (-)



#23

Bromochloromethane

Concen: 15.976 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Tgt Ion: 128 Resp: 177033

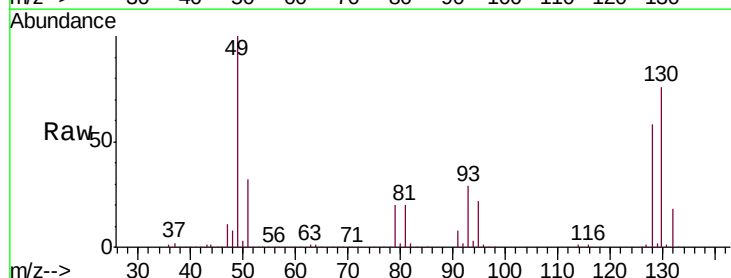
Ion Ratio Lower Upper

128 100

49 171.0 124.2 230.6

130 129.9 99.3 184.3

51 54.9 42.7 64.1

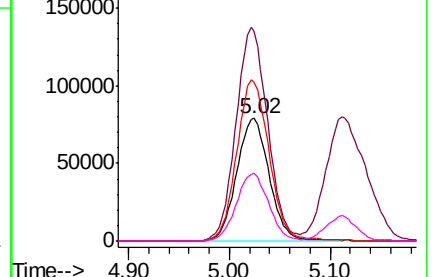
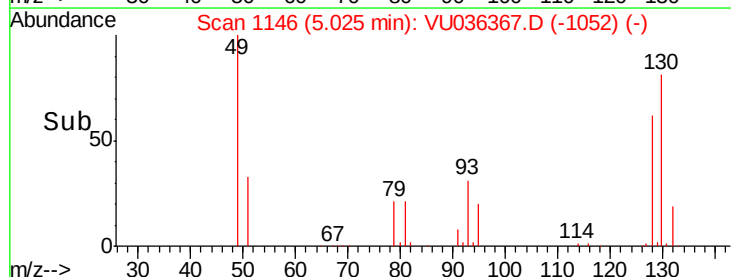


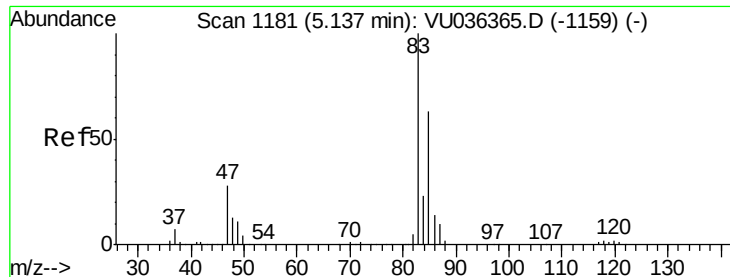
Abundance Ion 127.90 (127.60 to 128.60): VU036367.D (-1052) (-)

Ion 49.10 (48.80 to 49.80): VU036367.D (-1052) (-)

Ion 129.95 (129.65 to 130.65): VU036367.D (-1052) (-)

Ion 51.05 (50.75 to 51.75): VU036367.D (-1052) (-)

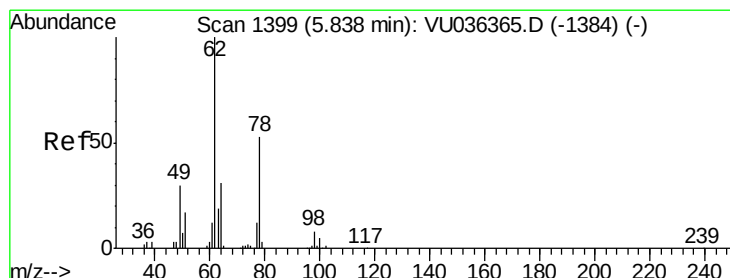
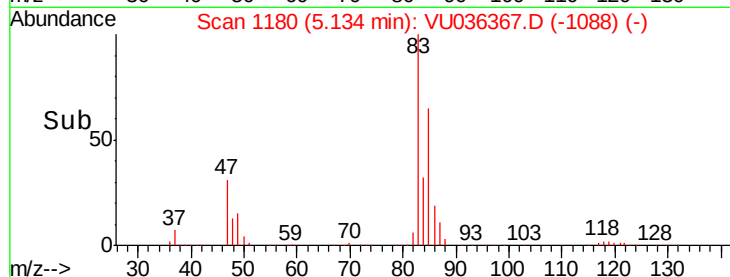
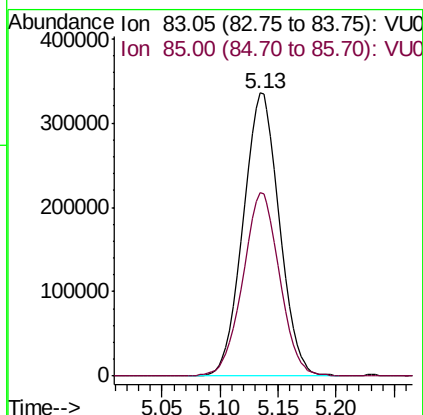
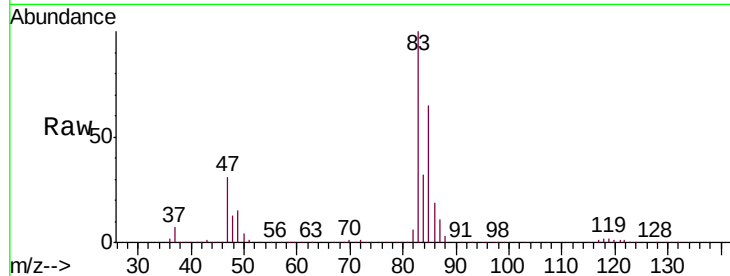




#25
Chloroform
Concen: 16.749 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036367.D
Acq: 28 Dec 2019 14:00

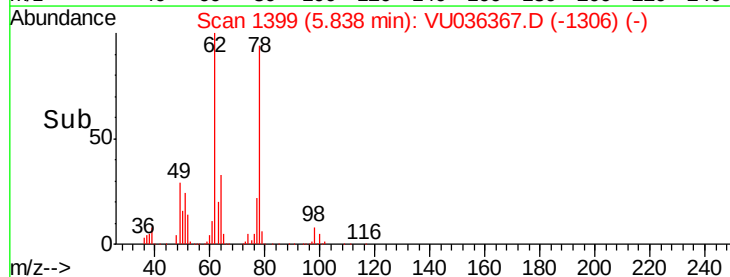
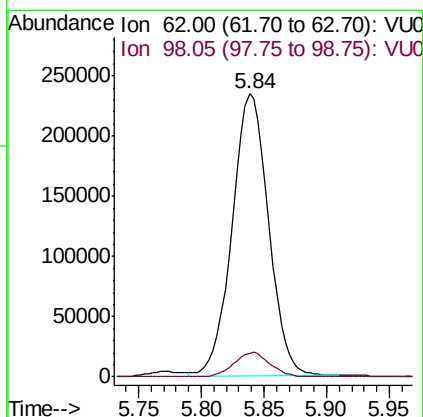
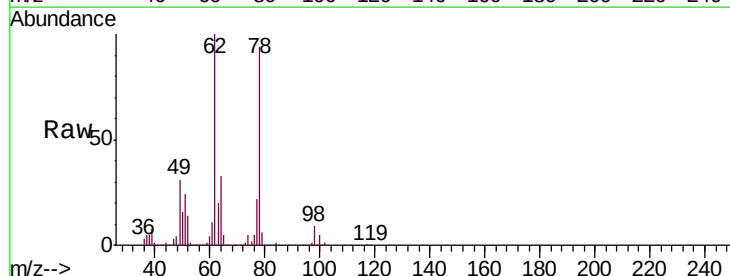
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

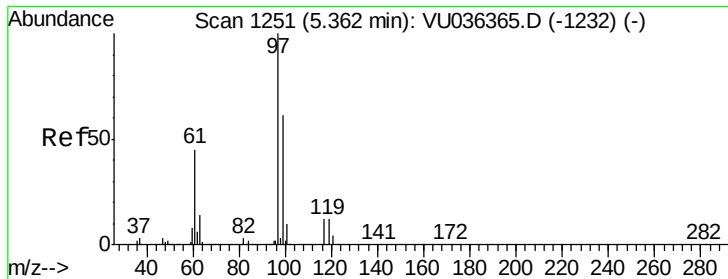
Tgt Ion: 83 Resp: 727746
Ion Ratio Lower Upper
83 100
85 64.9 44.1 81.9



#27
1,2-Dichloroethane
Concen: 18.138 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036367.D
Acq: 28 Dec 2019 14:00

Tgt Ion: 62 Resp: 472670
Ion Ratio Lower Upper
62 100
98 8.5 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 19.130 ug/L

RT: 5.36 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

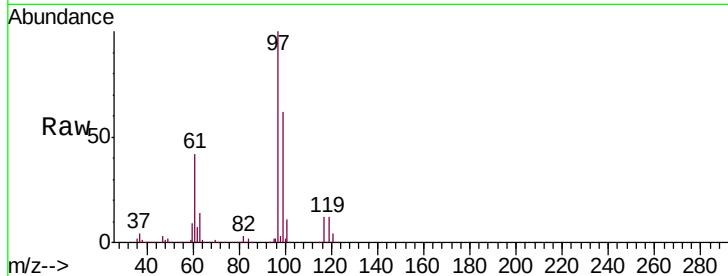
Tgt Ion: 97 Resp: 650423

Ion Ratio Lower Upper

97 100

99 63.4 50.1 75.1

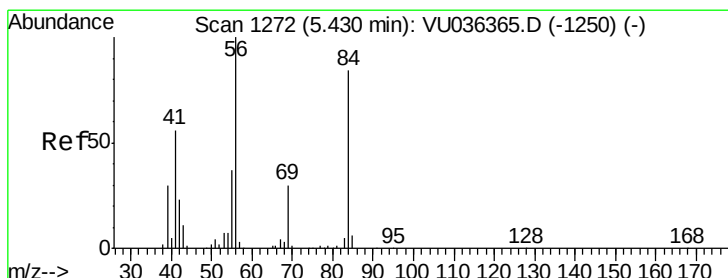
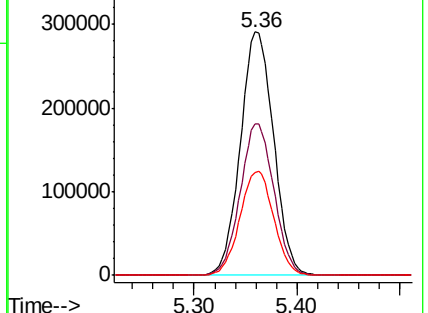
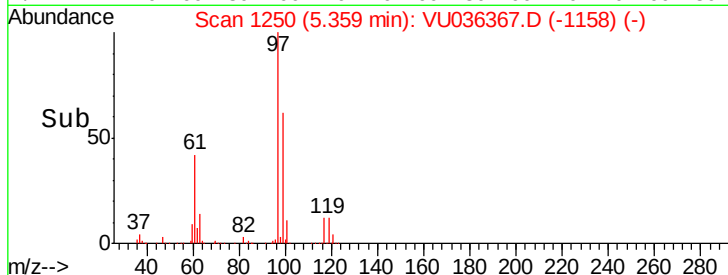
61 43.7 35.0 52.4



Abundance Ion 96.95 (96.65 to 97.65): VU036367.D (-1158) (-)

Ion 99.05 (98.75 to 99.75): VU036367.D (-1158) (-)

Ion 61.05 (60.75 to 61.75): VU036367.D (-1158) (-)



#30

Cyclohexane

Concen: 21.305 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

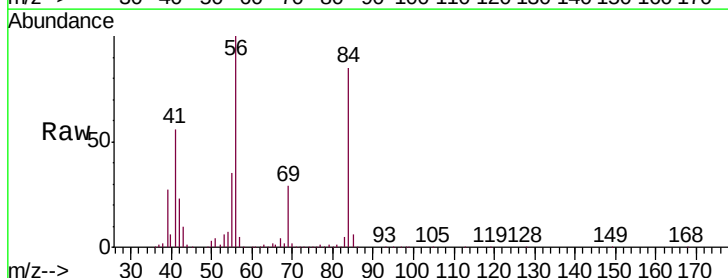
Tgt Ion: 56 Resp: 636708

Ion Ratio Lower Upper

56 100

69 30.7 23.6 35.4

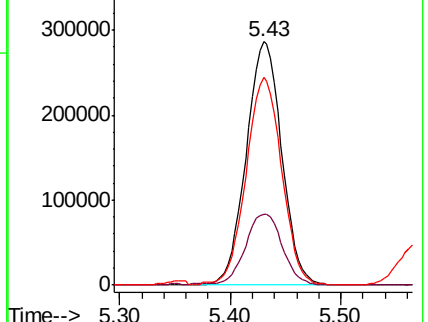
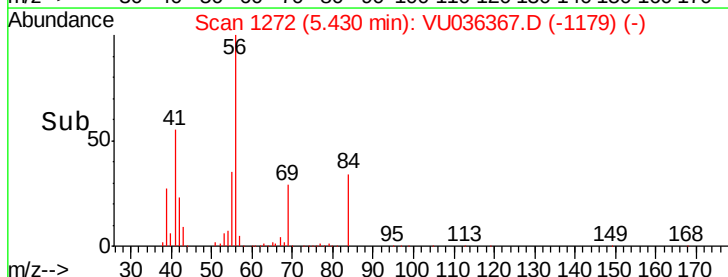
84 86.1 66.0 99.0

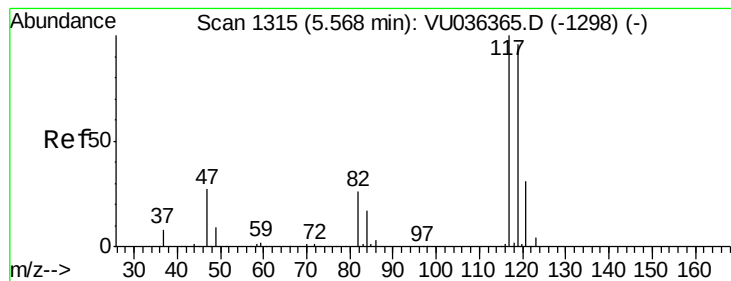


Abundance Ion 56.10 (55.80 to 56.80): VU036367.D (-1179) (-)

Ion 69.15 (68.85 to 69.85): VU036367.D (-1179) (-)

Ion 84.15 (83.85 to 84.85): VU036367.D (-1179) (-)





#31

Carbon tetrachloride

Concen: 18.609 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

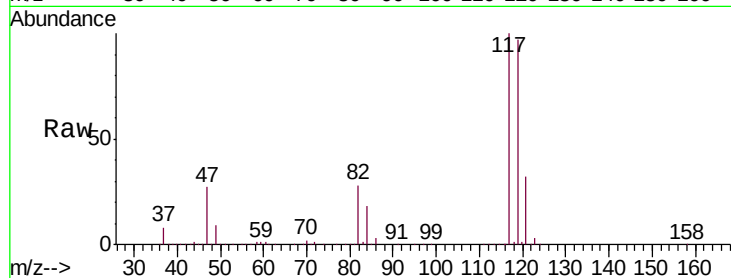
VSTD02006

Tgt Ion:117 Resp: 568575

Ion Ratio Lower Upper

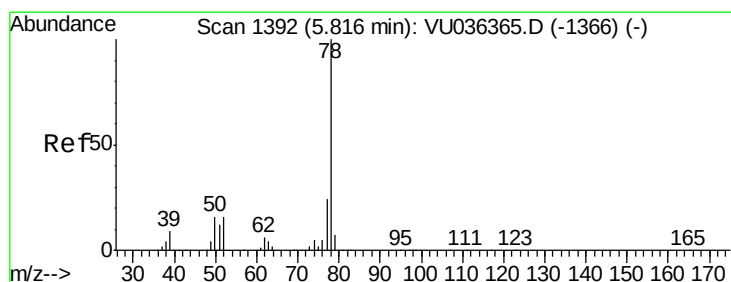
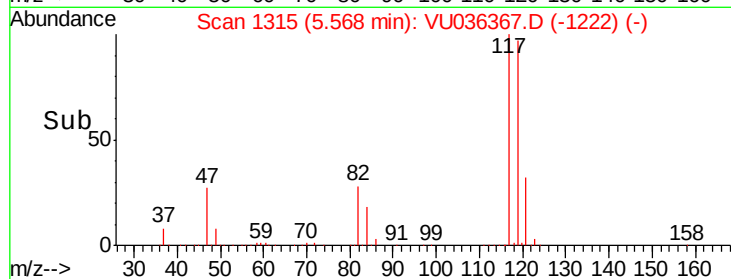
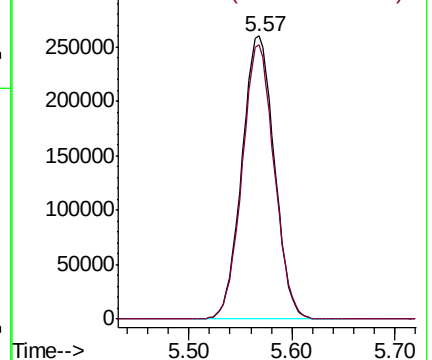
117 100

119 96.0 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 18.711 ug/L

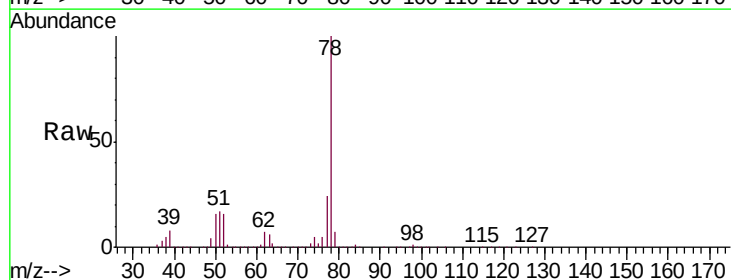
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

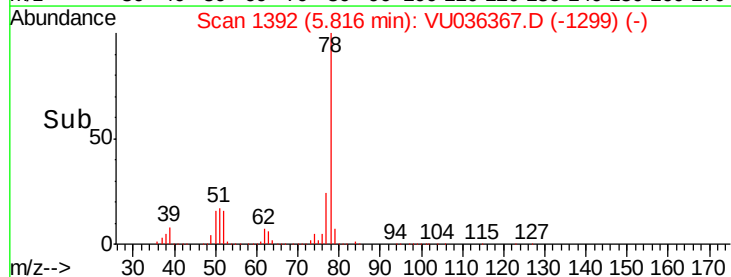
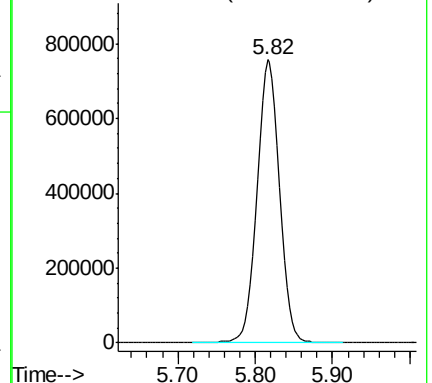
Lab File: VU036367.D

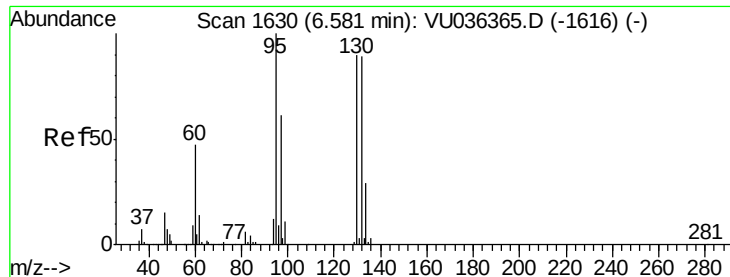
Acq: 28 Dec 2019 14:00

Tgt Ion: 78 Resp: 1555853



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 19.613 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

Tgt Ion: 95 Resp: 425976

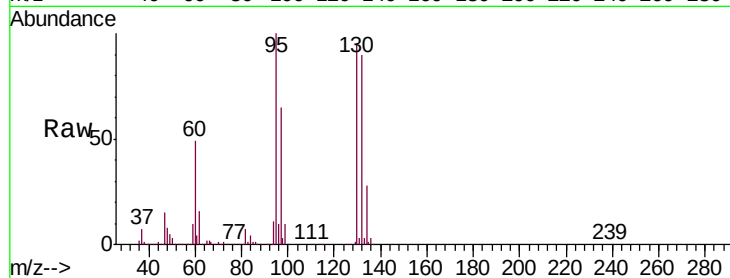
Ion Ratio Lower Upper

95 100

97 65.5 42.9 79.7

132 90.0 62.4 116.0

130 94.9 62.9 116.9

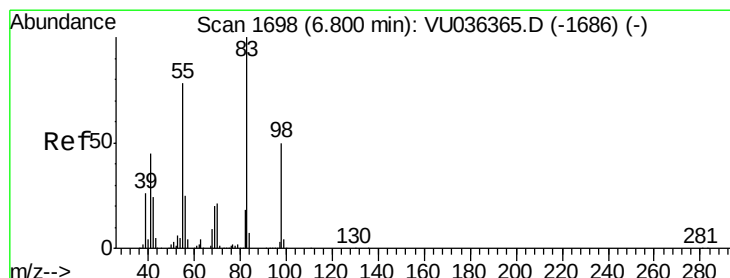
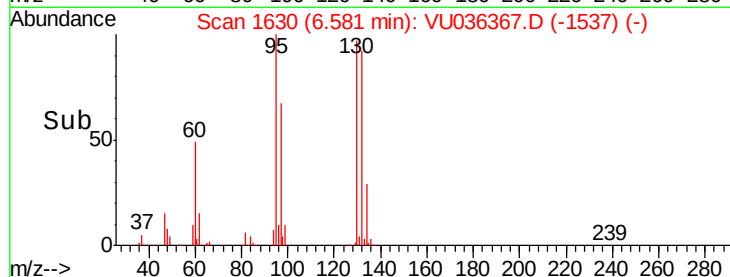
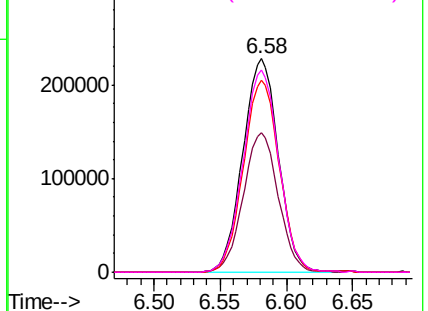


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 21.138 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

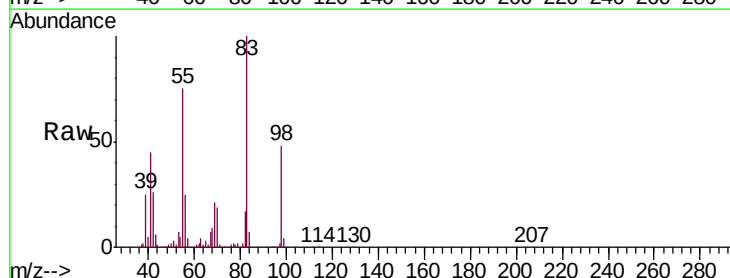
Tgt Ion: 83 Resp: 670749

Ion Ratio Lower Upper

83 100

55 74.3 61.5 92.3

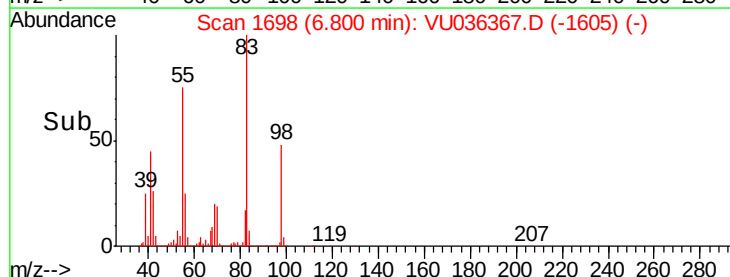
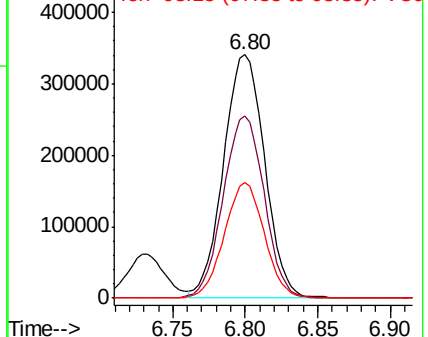
98 45.9 36.9 55.3

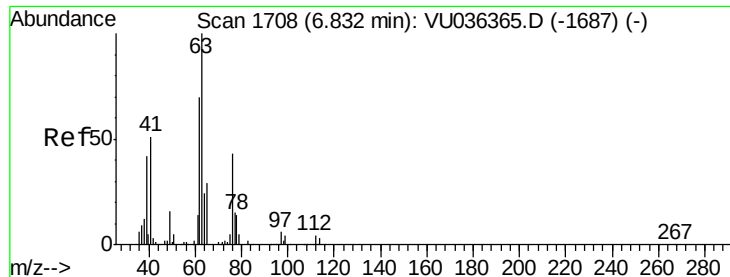


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 18.941 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

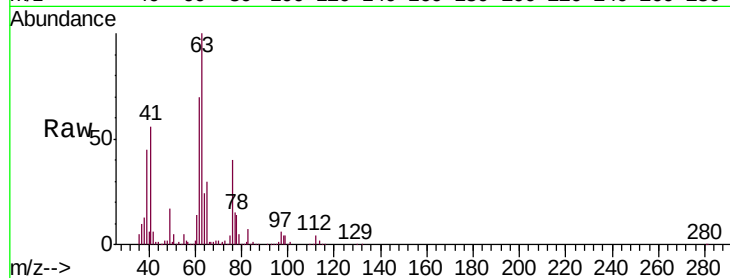
VSTD02006

Tgt Ion: 63 Resp: 408102

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



Abundance Ion 63.10 (62.80 to 63.80): VU036367.D (-1615) (-)

Ion 112.10 (111.80 to 112.80): VU036367.D (-1615) (-)

6.83

250000

200000

150000

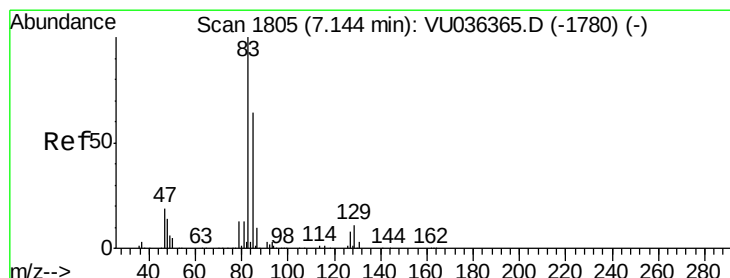
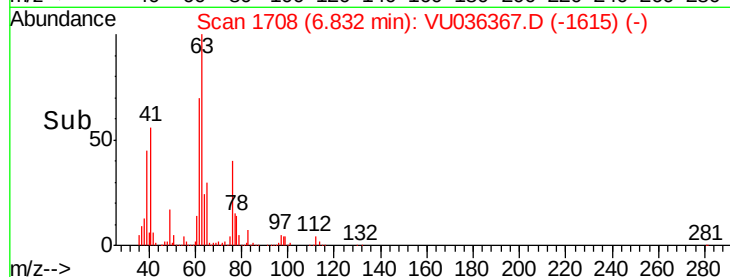
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 19.894 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

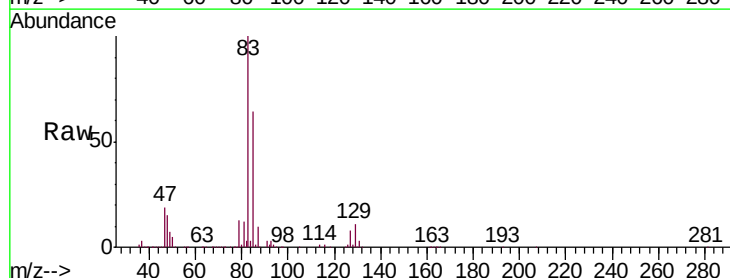
Tgt Ion: 83 Resp: 559628

Ion Ratio Lower Upper

83 100

85 64.0 45.0 83.6

127 8.1 6.3 9.5



Abundance Ion 82.95 (82.65 to 83.65): VU036367.D (-1712) (-)

Ion 85.00 (84.70 to 85.70): VU036367.D (-1712) (-)

Ion 126.90 (126.60 to 127.60): VU036367.D (-1712) (-)

7.14

400000

300000

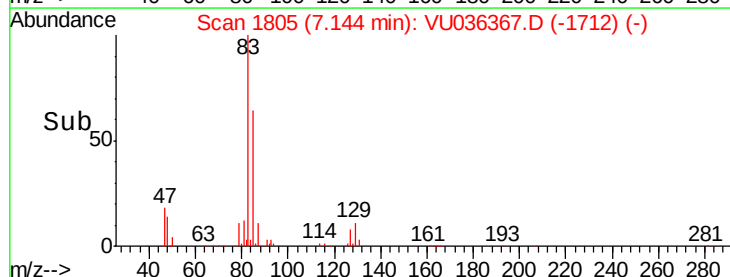
200000

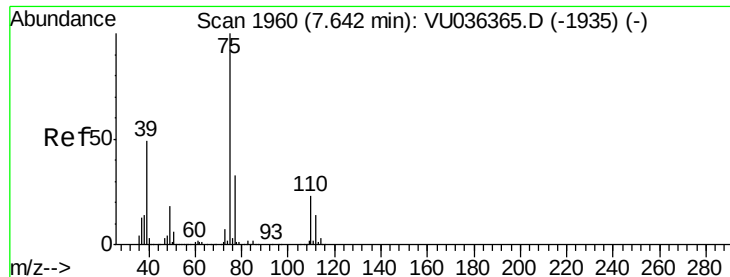
100000

0

7.05 7.10 7.15 7.20 7.25

Time-->

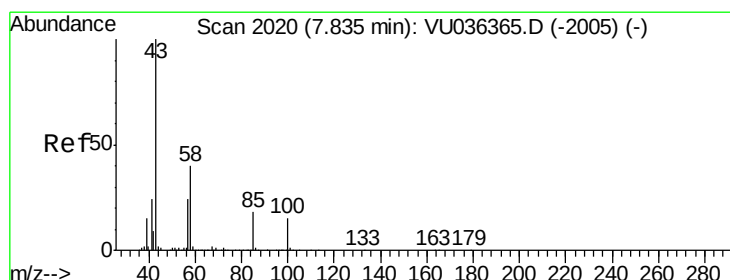
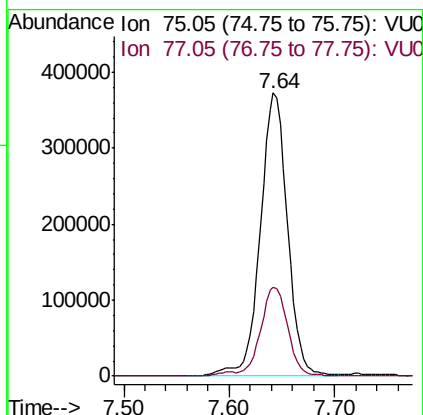
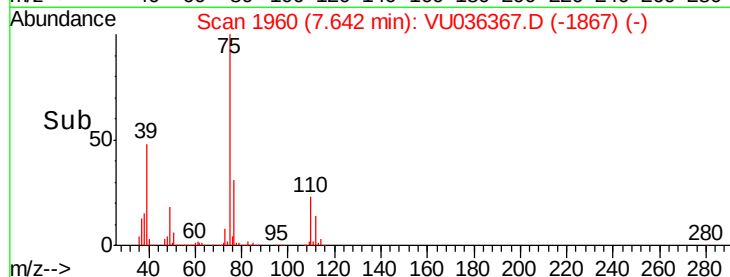
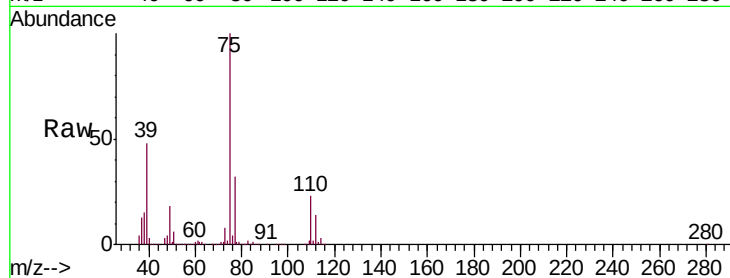




#39
 cis-1,3-Dichloropropene
 Concen: 22.122 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

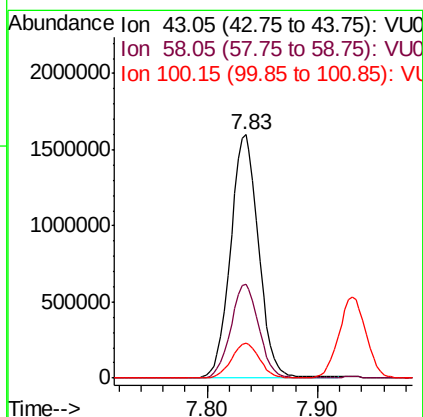
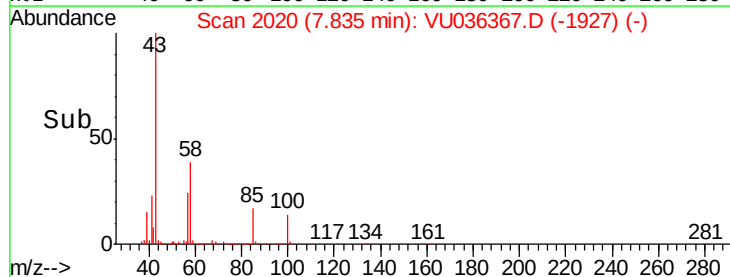
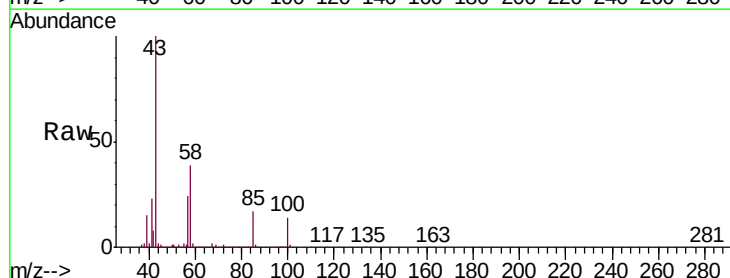
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

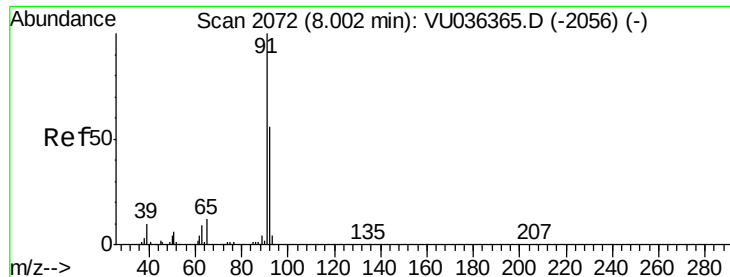
Tgt Ion: 75 Resp: 670983
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 237.716 ug/L
 RT: 7.83 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

Tgt Ion: 43 Resp: 2816970
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.8 47.6
 100 14.3 11.5 17.3





#42

Toluene

Concen: 19.216 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

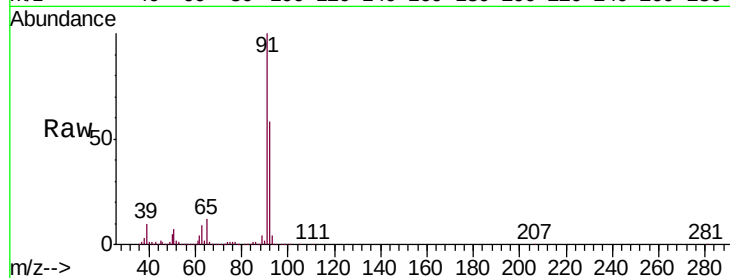
VSTD02006

Tgt Ion: 91 Resp: 1717783

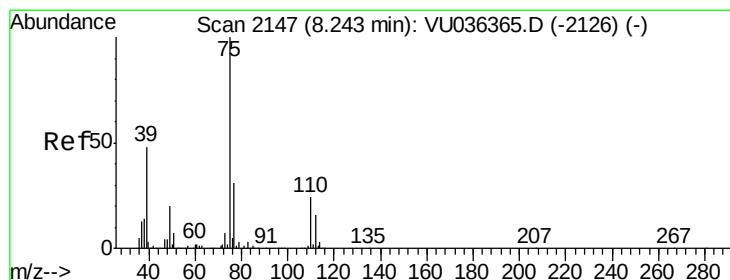
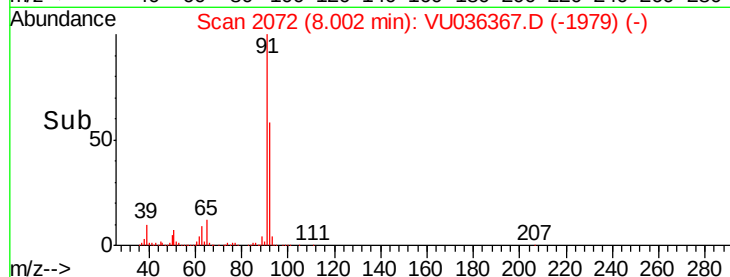
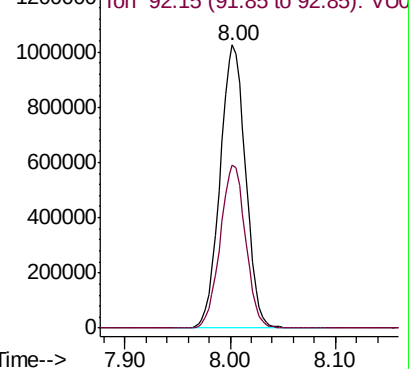
Ion Ratio Lower Upper

91 100

92 57.8 39.5 73.3



Abundance Ion 91.15 (90.85 to 91.85): VU036367.D (-1979) (-)



#44

trans-1,3-Dichloropropene

Concen: 22.154 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036367.D

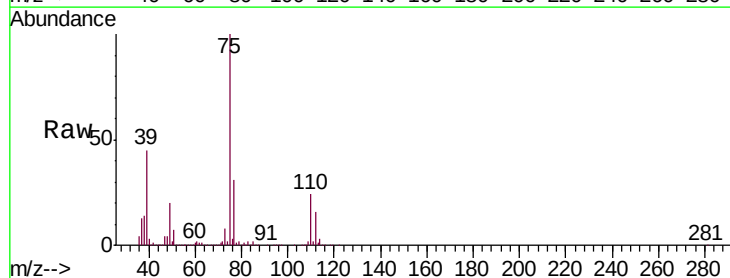
Acq: 28 Dec 2019 14:00

Tgt Ion: 75 Resp: 556503

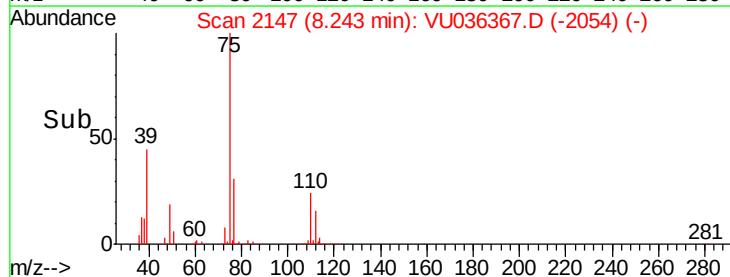
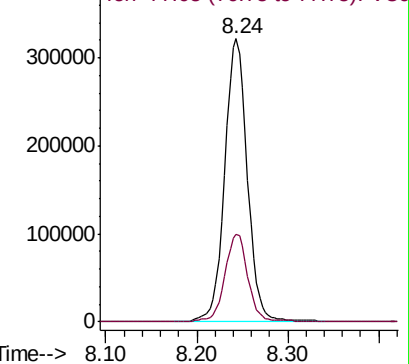
Ion Ratio Lower Upper

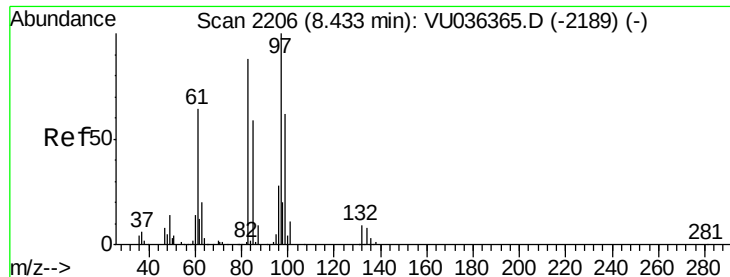
75 100

77 31.1 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VU036367.D (-2054) (-)

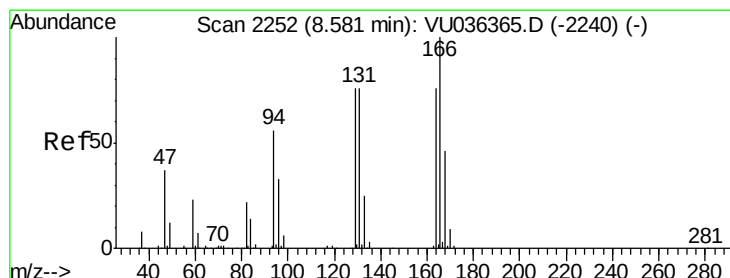
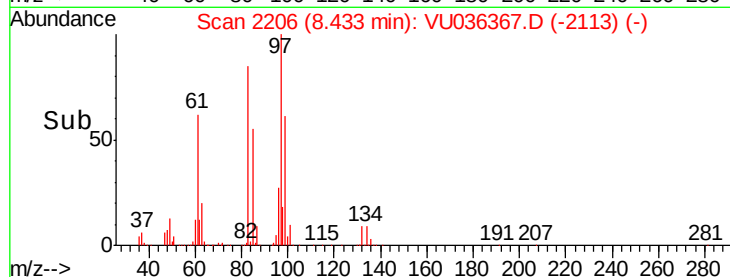
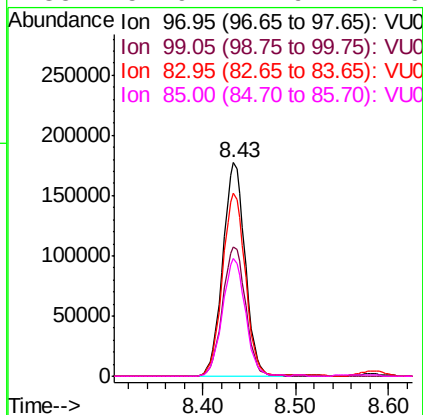
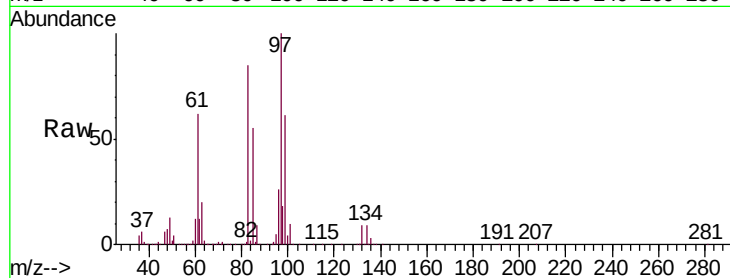




#45
 1,1,2-Trichloroethane
 Concen: 18.523 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

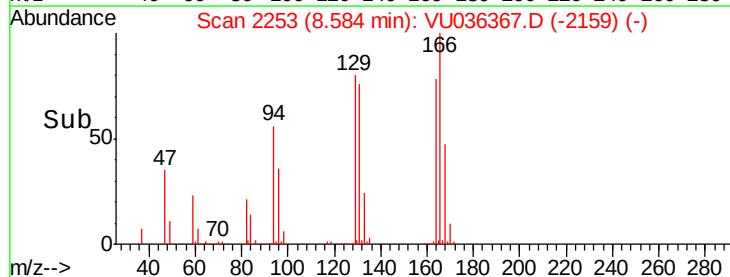
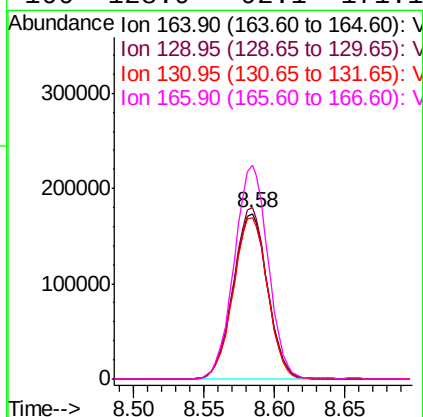
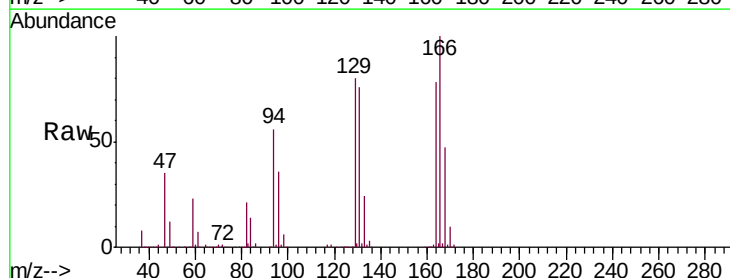
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

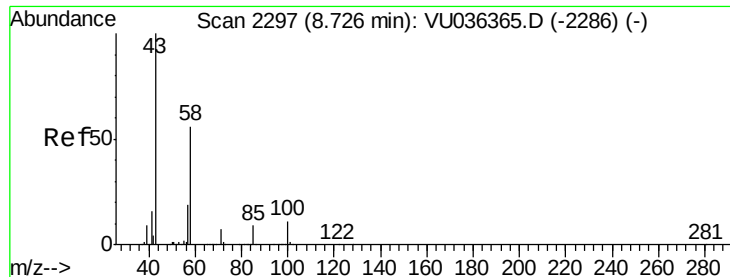
Tgt Ion:	97	Resp:	296562
Ion	Ratio	Lower	Upper
97	100		
99	60.6	43.3	80.5
83	85.5	62.2	115.6
85	54.9	41.9	77.9



#47
 Tetrachloroethene
 Concen: 15.710 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

Tgt Ion:	164	Resp:	296846
Ion	Ratio	Lower	Upper
164	100		
129	103.7	70.3	130.5
131	97.6	70.4	130.8
166	128.9	92.1	171.1

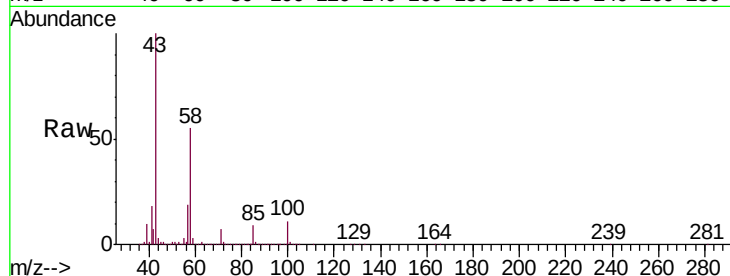




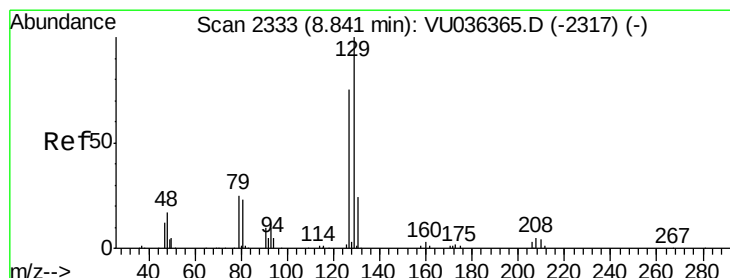
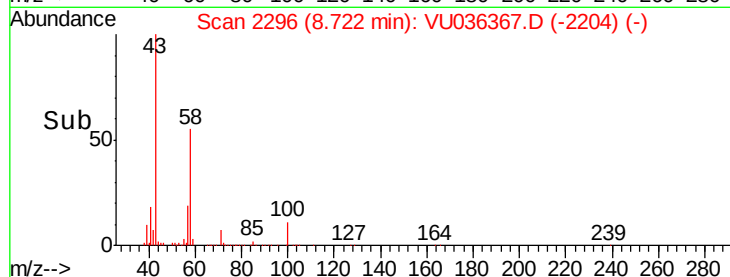
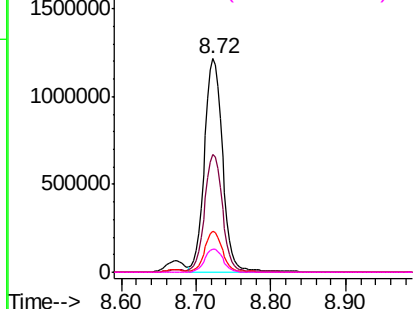
#48
2-Hexanone
Concen: 236.563 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU036367.D
Acq: 28 Dec 2019 14:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tgt Ion: 43 Resp: 2057705
Ion Ratio Lower Upper
43 100
58 54.9 42.7 64.1
57 17.9 14.6 22.0
100 11.0 9.0 13.6

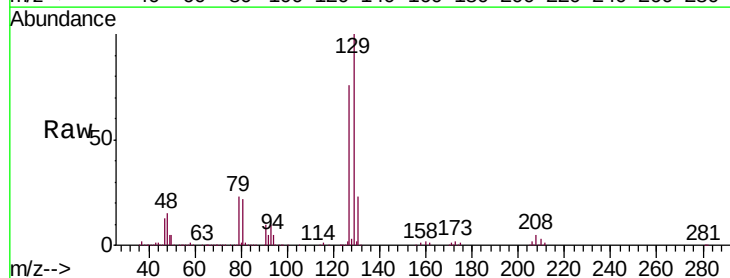


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

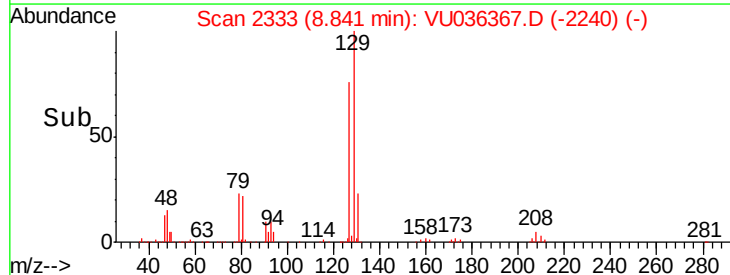
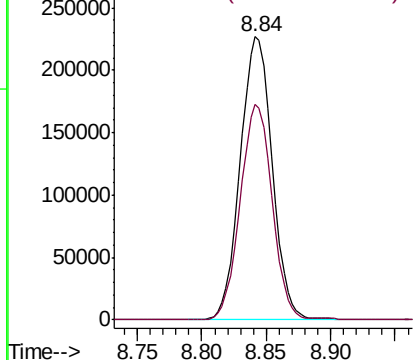


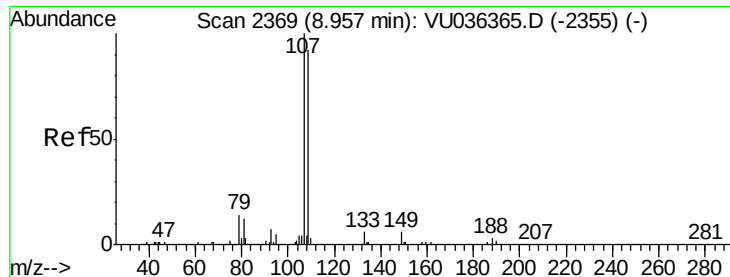
#49
Dibromochloromethane
Concen: 19.798 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036367.D
Acq: 28 Dec 2019 14:00

Tgt Ion: 129 Resp: 392045
Ion Ratio Lower Upper
129 100
127 76.3 52.7 97.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

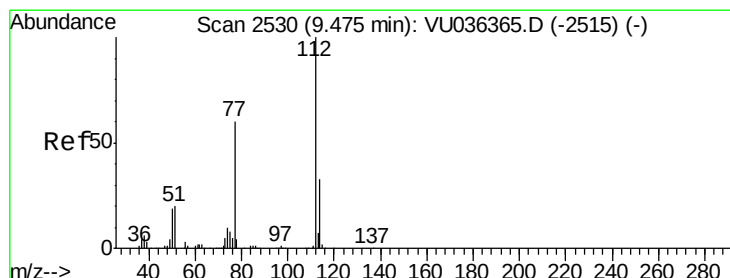
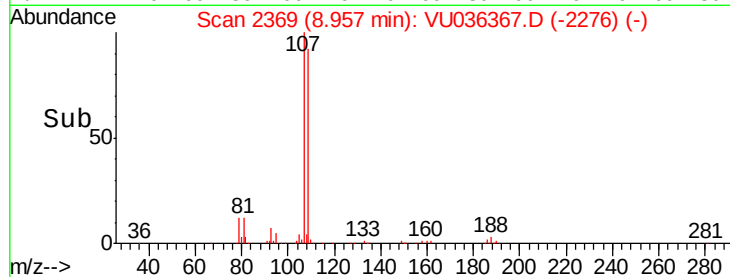
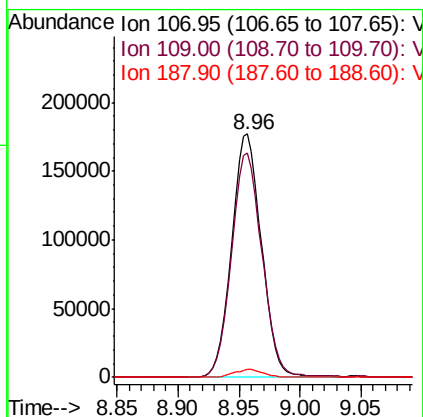
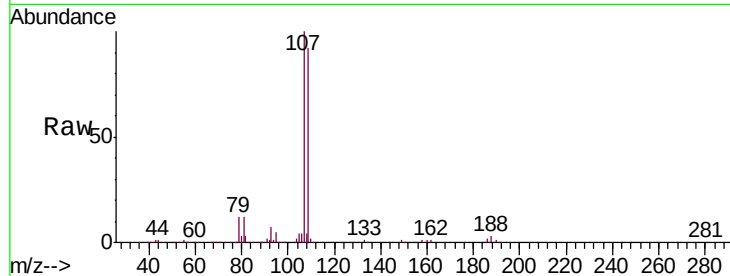




#50
 1,2-Dibromoethane
 Concen: 19.566 ug/L
 RT: 8.96 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

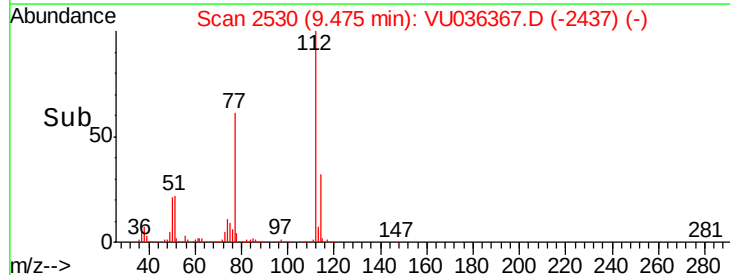
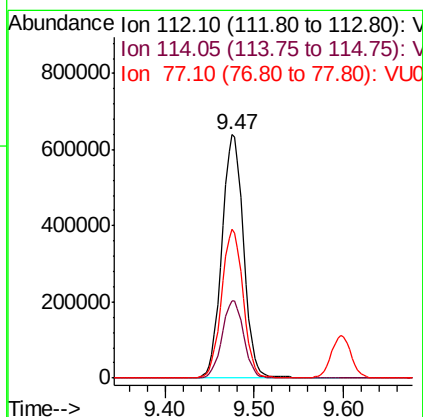
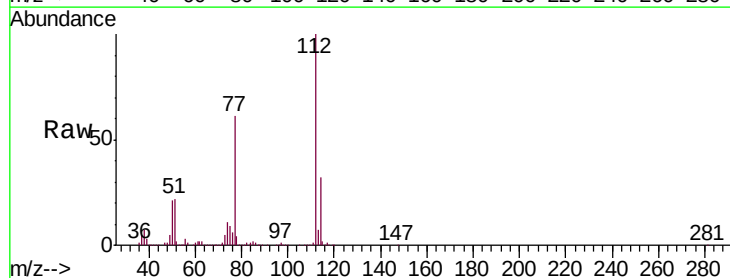
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

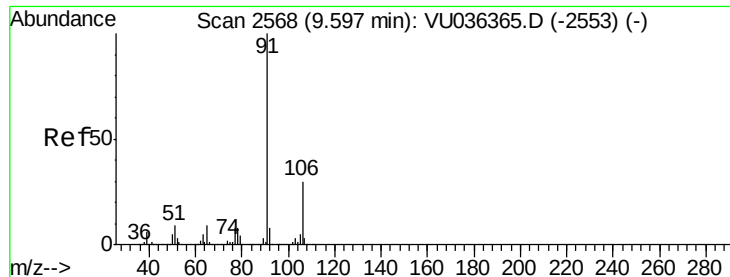
Tgt Ion:107 Resp: 301348
 Ion Ratio Lower Upper
 107 100
 109 92.2 64.3 119.5
 188 3.3 2.2 3.2#



#51
 Chlorobenzene
 Concen: 18.165 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

Tgt Ion:112 Resp: 1073391
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.7 42.3
 77 61.1 47.8 71.8





#52

Ethylbenzene

Concen: 21.012 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

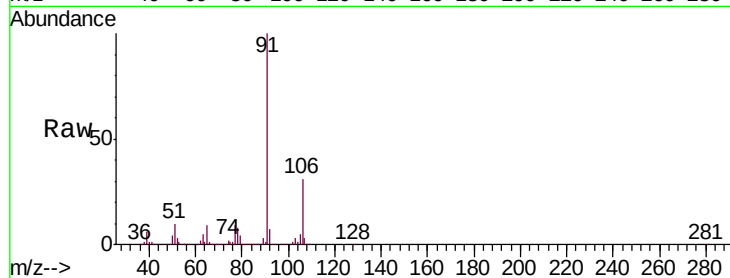
VSTD02006

Tgt Ion: 91 Resp: 1945813

Ion Ratio Lower Upper

91 100

106 30.8 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU036365.D (-2553) (-)

Ion 106.15 (105.85 to 106.85): VU036365.D (-2553) (-)

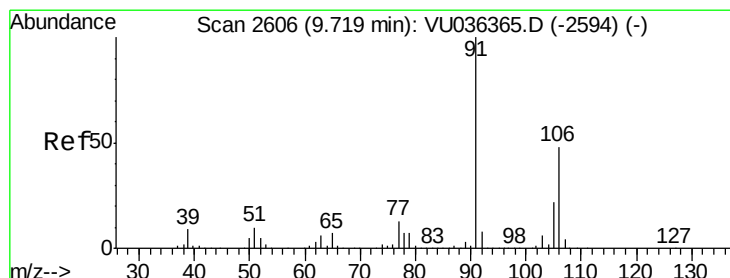
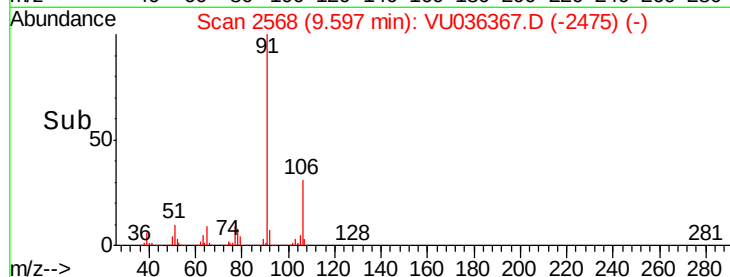
9.60

1000000

500000

0

Time-->



#53

m,p-Xylene

Concen: 20.860 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036367.D

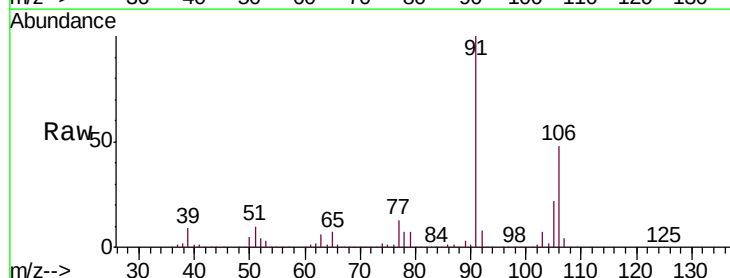
Acq: 28 Dec 2019 14:00

Tgt Ion: 106 Resp: 734595

Ion Ratio Lower Upper

106 100

91 207.9 146.5 272.1



Abundance Ion 106.15 (105.85 to 106.85): VU036365.D (-2594) (-)

Ion 91.15 (90.85 to 91.85): VU036365.D (-2594) (-)

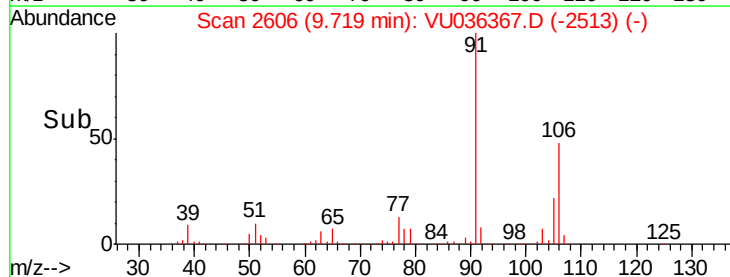
9.72

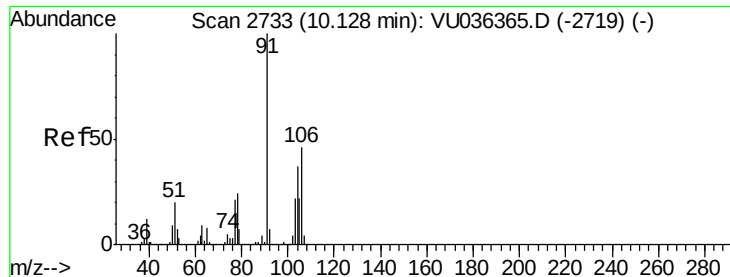
1000000

500000

0

Time-->

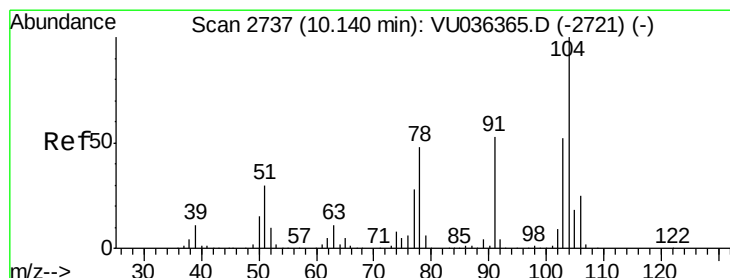
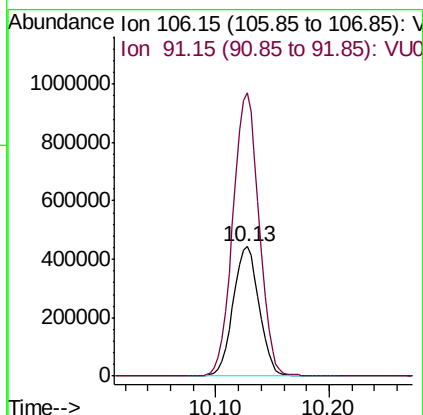
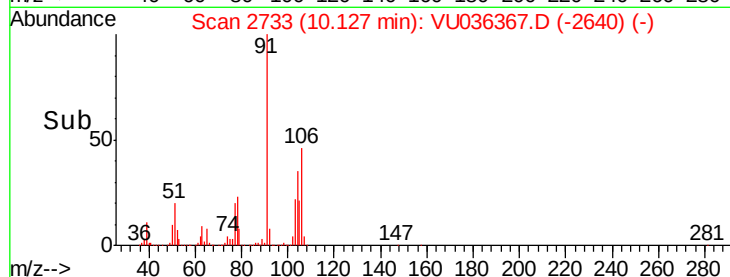
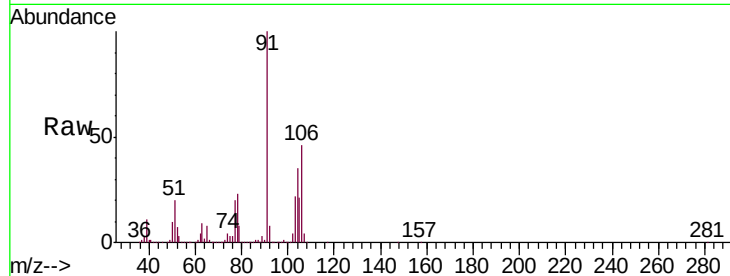




#54
o-Xylene
Concen: 20.824 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036367.D
Acq: 28 Dec 2019 14:00

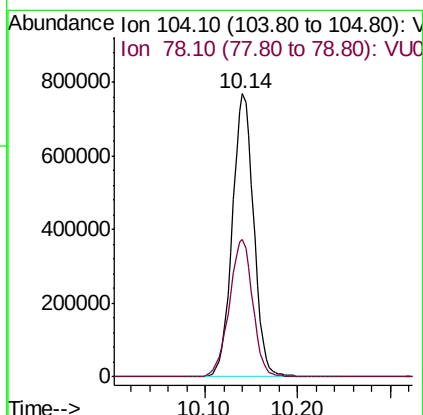
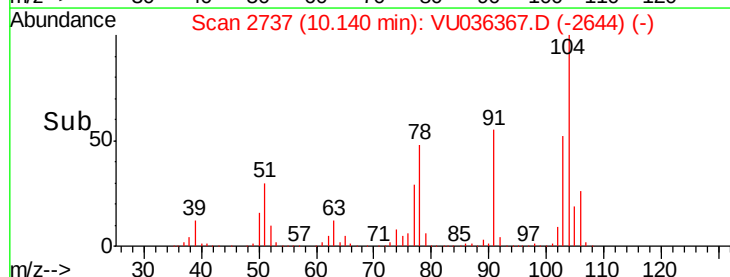
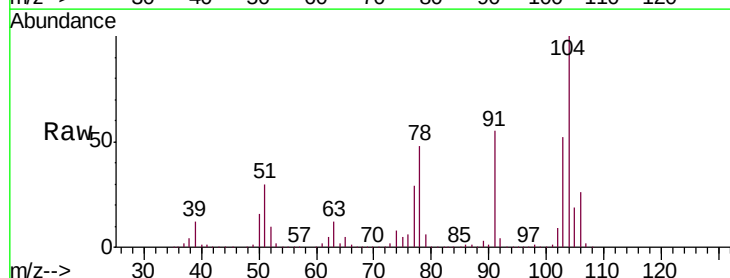
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

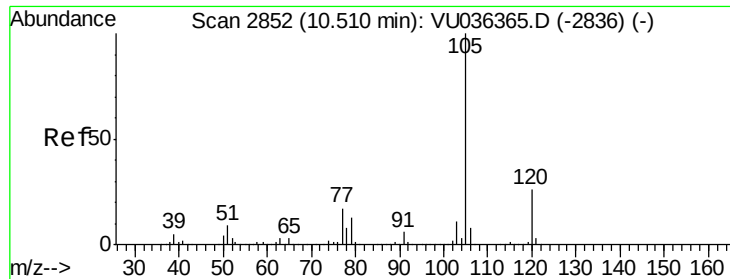
Tgt Ion:106 Resp: 713545
Ion Ratio Lower Upper
106 100
91 218.7 151.5 281.5



#55
Styrene
Concen: 20.513 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036367.D
Acq: 28 Dec 2019 14:00

Tgt Ion:104 Resp: 1227016
Ion Ratio Lower Upper
104 100
78 48.5 33.5 62.1





#56

Isopropylbenzene

Concen: 21.148 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

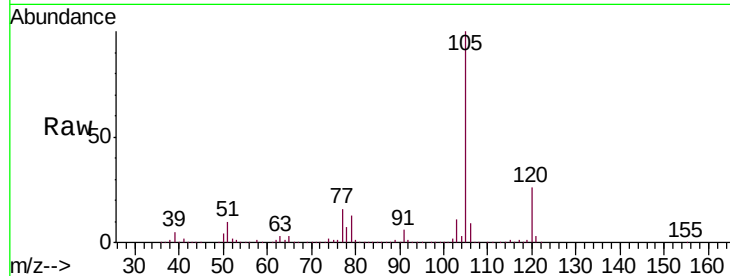
Tgt Ion:105 Resp: 1874371

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

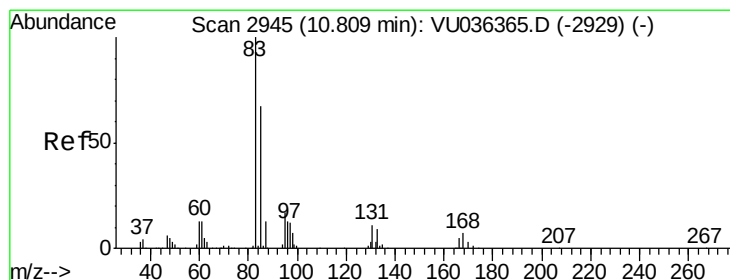
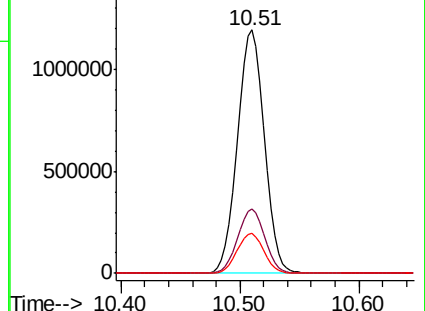
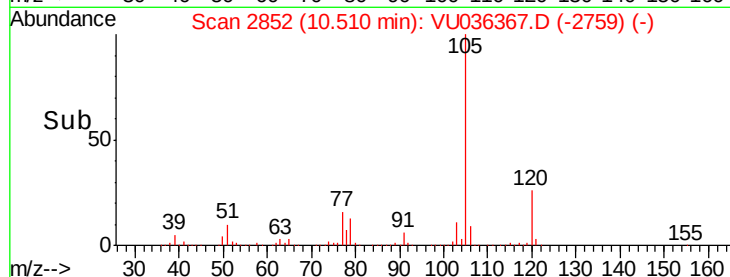
77 16.4 13.2 19.8



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: 19.249 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

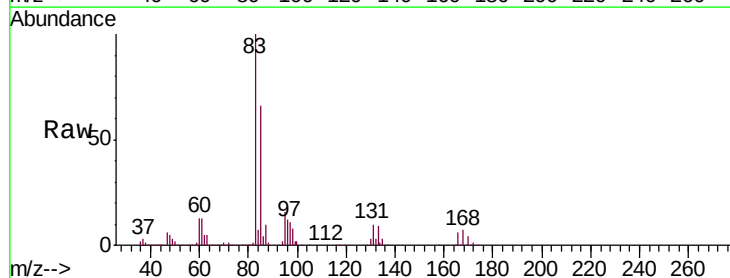
Tgt Ion: 83 Resp: 393806

Ion Ratio Lower Upper

83 100

85 65.6 47.5 88.1

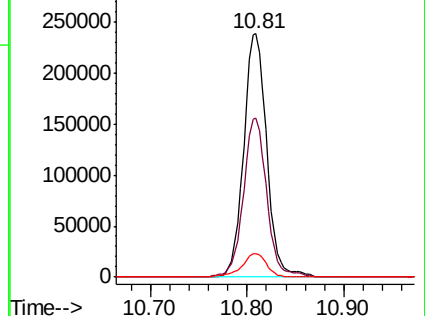
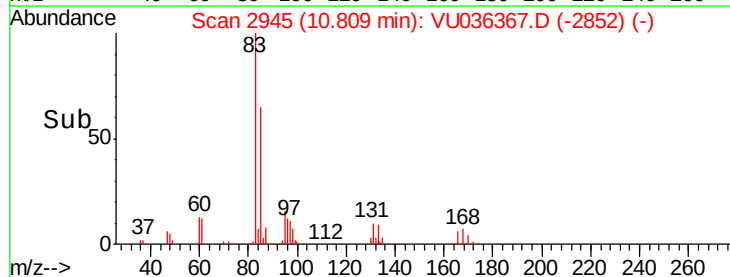
131 9.8 8.8 13.2

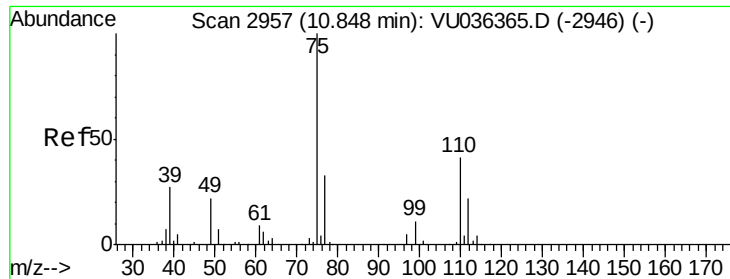


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.566 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

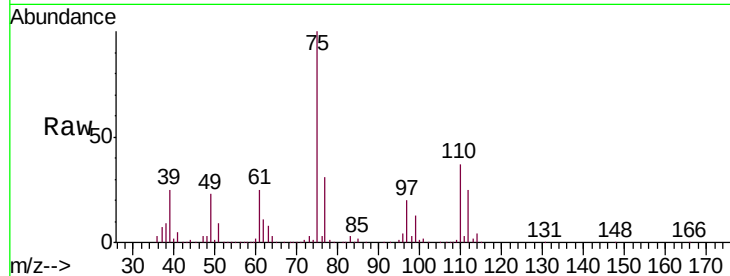
VSTD02006

Tgt Ion: 75 Resp: 278499

Ion Ratio Lower Upper

75 100

77 32.0 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU036367.D (-2946) (-)

Ion 77.00 (76.70 to 77.70): VU036367.D (-2946) (-)

200000

150000

100000

50000

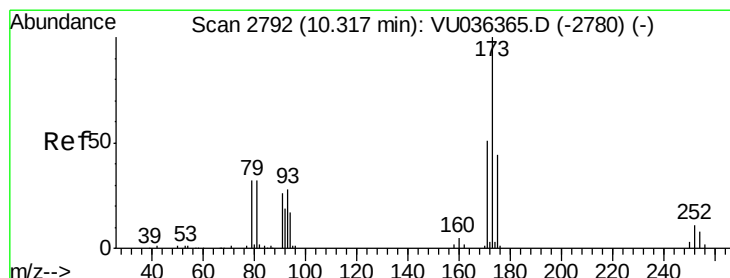
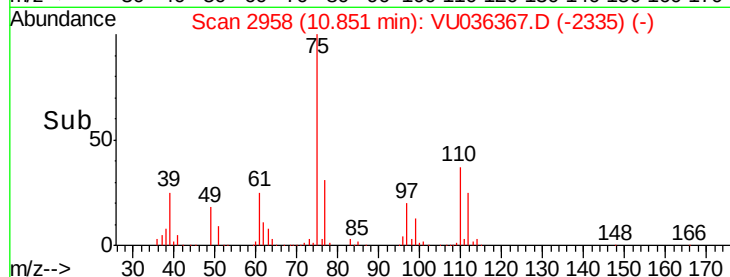
0

10.85

10.80

10.90

Time-->



#61

Bromoform

Concen: 19.138 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

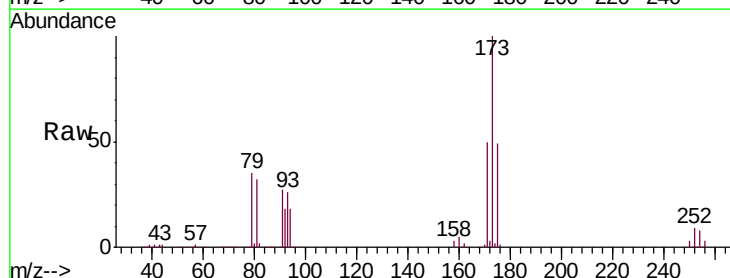
Tgt Ion: 173 Resp: 225776

Ion Ratio Lower Upper

173 100

175 49.2 37.0 55.4

254 8.5 7.0 10.6



Abundance Ion 172.90 (172.60 to 173.60): VU036367.D (-2699) (-)

Ion 174.90 (174.60 to 175.60): VU036367.D (-2699) (-)

Ion 253.75 (253.45 to 254.45): VU036367.D (-2699) (-)

150000

100000

50000

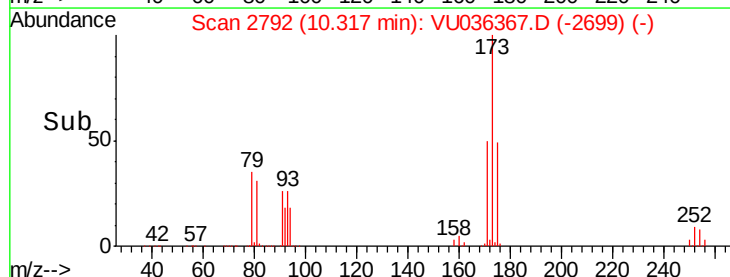
0

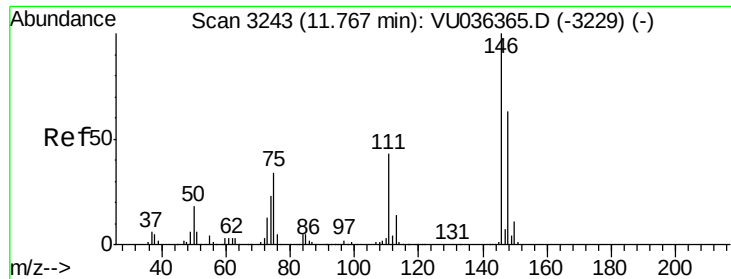
10.32

10.30

10.40

Time-->

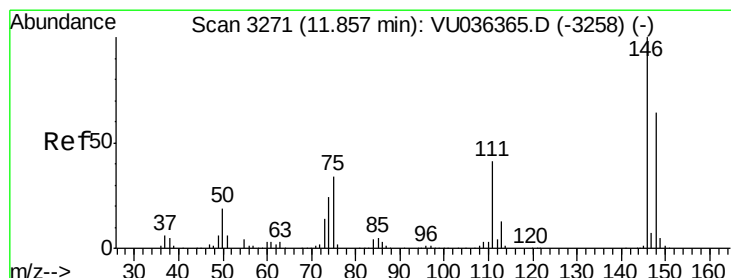
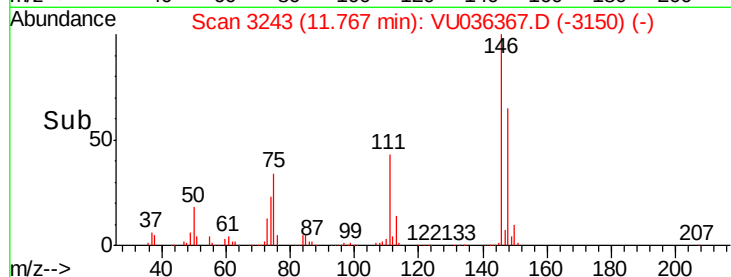
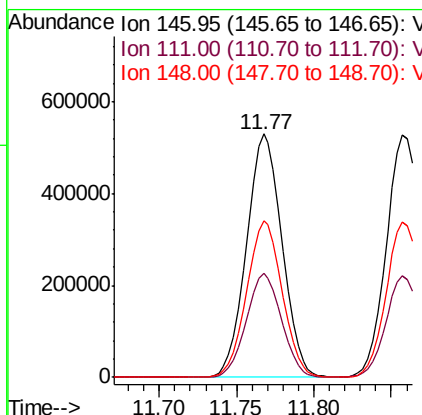
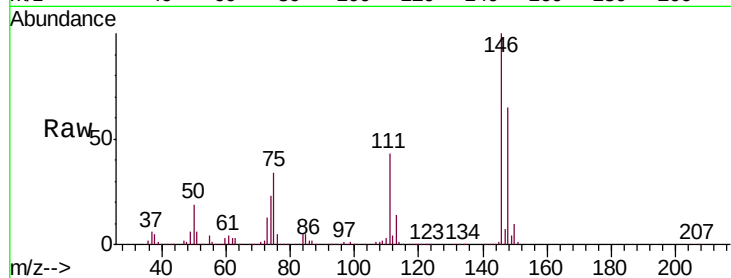




#62
 1,3-Dichlorobenzene
 Concen: 18.796 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

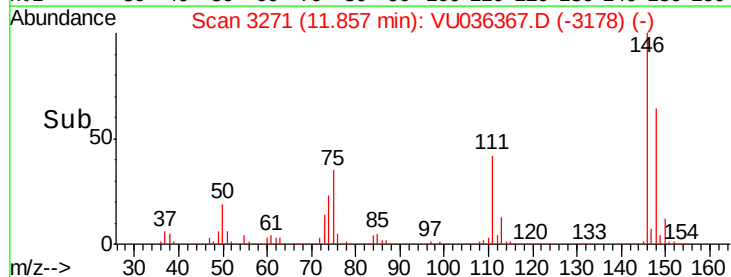
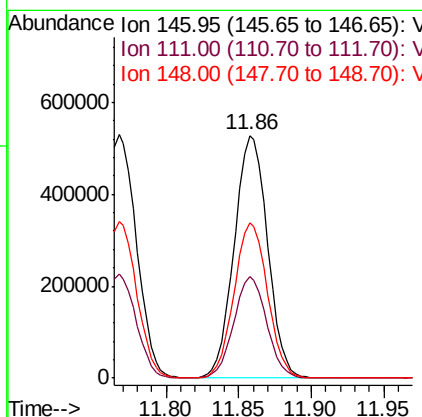
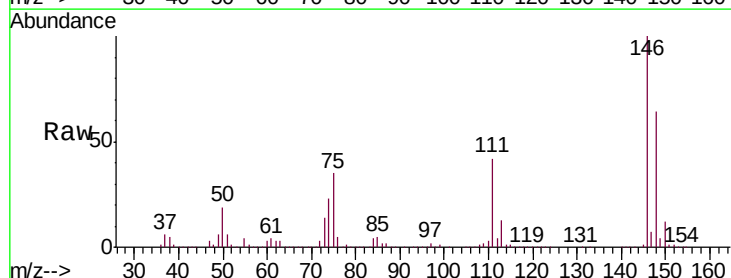
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

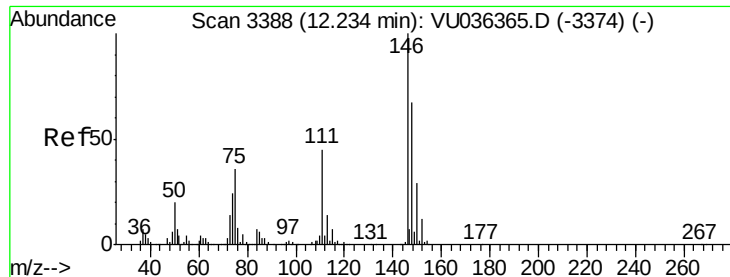
Tgt Ion:146 Resp: 847247
 Ion Ratio Lower Upper
 146 100
 111 42.6 30.2 56.0
 148 64.5 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 18.808 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

Tgt Ion:146 Resp: 841502
 Ion Ratio Lower Upper
 146 100
 111 41.6 28.6 53.0
 148 63.8 45.0 83.6

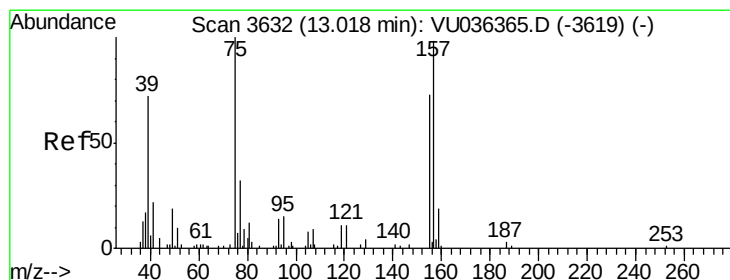
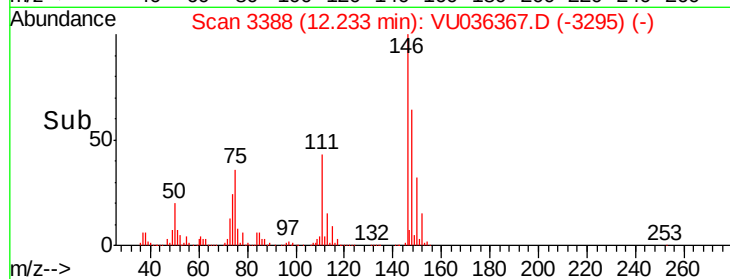
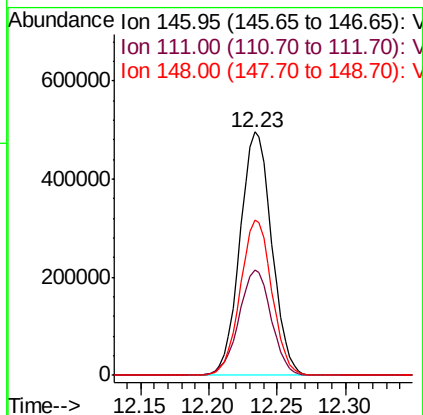
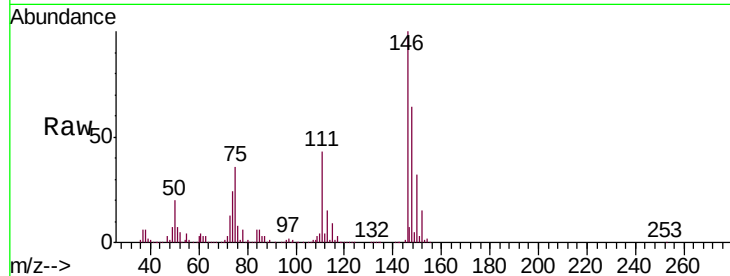




#65
 1,2-Dichlorobenzene
 Concen: 18.687 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

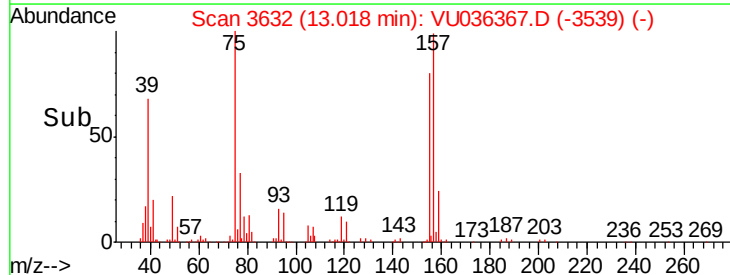
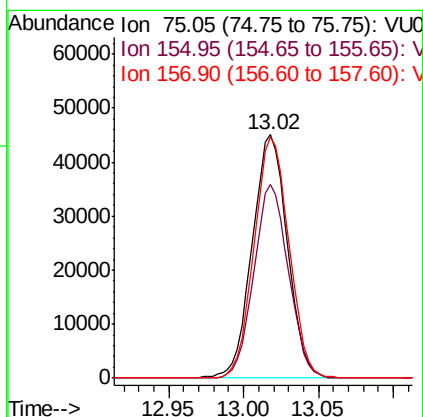
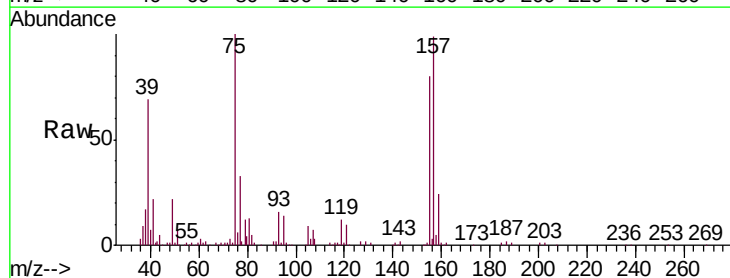
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

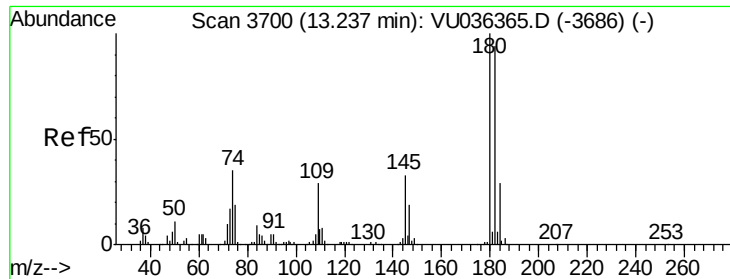
Tgt Ion: 146 Resp: 802001
 Ion Ratio Lower Upper
 146 100
 111 43.5 36.4 54.6
 148 63.8 53.4 80.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.784 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

Tgt Ion: 75 Resp: 73812
 Ion Ratio Lower Upper
 75 100
 155 79.6 58.6 88.0
 157 99.1 78.7 118.1

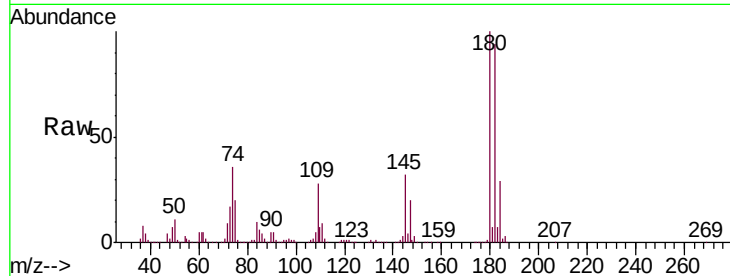




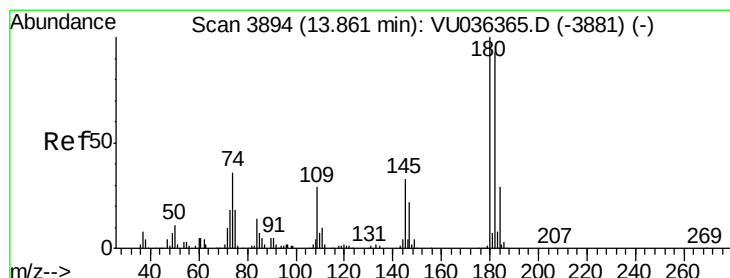
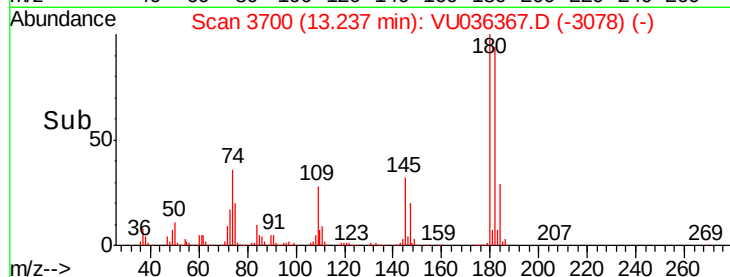
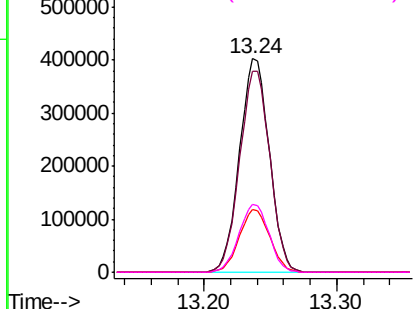
#67
 1,3,5-Trichlorobenzene
 Concen: 18.487 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion:180 Resp: 628644
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.2 112.8
 184 29.9 23.3 34.9
 145 31.9 25.6 38.4

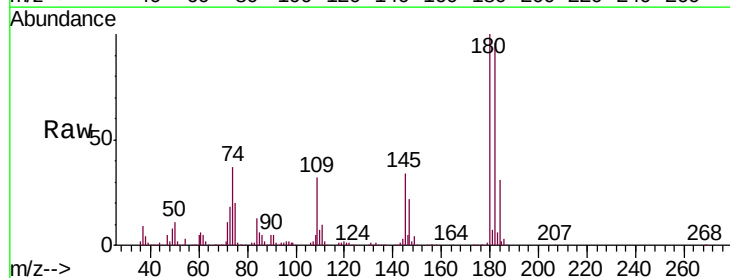


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

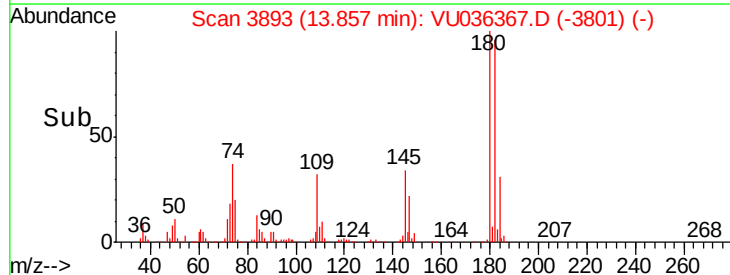
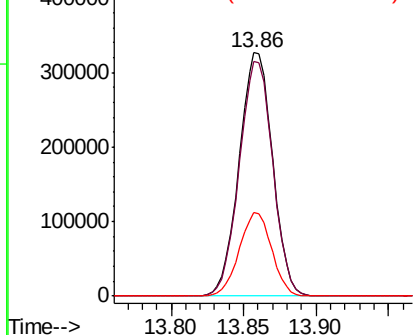


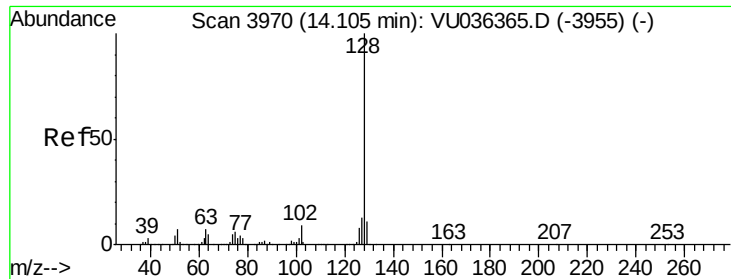
#68
 1,2,4-trichlorobenzene
 Concen: 22.832 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036367.D
 Acq: 28 Dec 2019 14:00

Tgt Ion:180 Resp: 524336
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.5 113.3
 145 33.3 26.2 39.2



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: 32.093 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

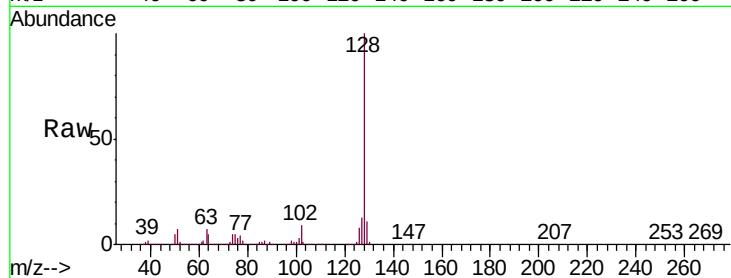
Tgt Ion:128 Resp: 1014378

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

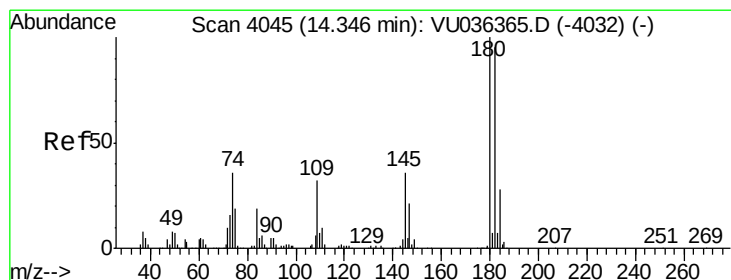
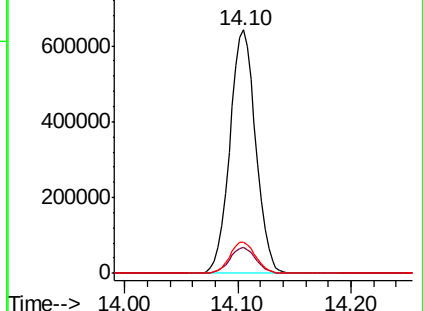
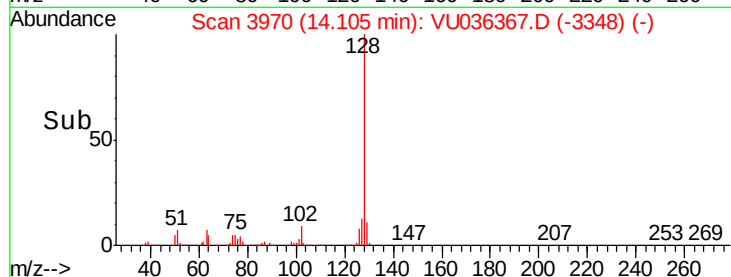
127 13.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 21.853 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036367.D

Acq: 28 Dec 2019 14:00

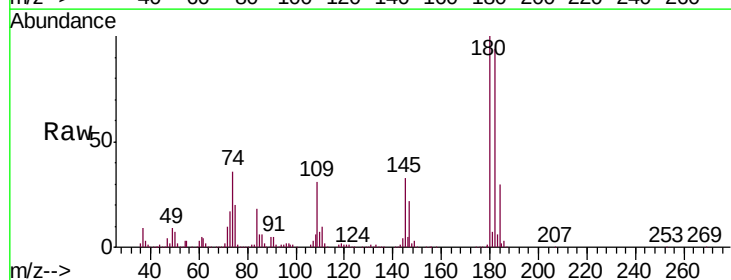
Tgt Ion:180 Resp: 479170

Ion Ratio Lower Upper

180 100

182 95.4 75.0 112.4

145 33.7 28.2 42.4



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

