

Data File : VU036350.D
Acq On : 27 Dec 2019 12:16
Operator : JC/MD
Sample : VSTD005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Quant Time: Dec 27 13:48:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 27 13:46:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	451852	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	422369	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	175468	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	20687	4.44	ug/L	0.00
7) Chloroethane-d5	1.93	69	16762	4.18	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	35302	5.52	ug/L	0.00
21) 2-Butanone-d5	4.69	46	29888	13.04	ug/L	0.00
24) Chloroform-d	5.11	84	35334	5.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	24484	5.61	ug/L	0.00
32) Benzene-d6	5.77	84	67196	5.68	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	23543	6.32	ug/L	0.00
41) Toluene-d8	7.93	98	65387	5.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	12450	6.90	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	22232	14.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	33194	5.70	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	22025	6.07	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	21364	4.730	ug/L	97
3) Chloromethane	1.54	50	17528	3.693	ug/L	98
5) Vinyl chloride	1.62	62	22343	4.453	ug/L	96
6) Bromomethane	1.87	94	9080	3.098	ug/L	93
8) Chloroethane	1.95	64	13756	4.645	ug/L	96
9) Trichlorofluoromethane	2.16	101	32466	5.034	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	16220	5.255	ug/L	94
12) 1,1-Dichloroethene	2.61	96	15059	5.136	ug/L	96
13) Acetone	2.66	43	34791	12.694	ug/L	97
14) Carbon disulfide	2.82	76	47093	5.109	ug/L	99
15) Methyl Acetate	2.99	43	20326	5.569	ug/L	97
16) Methylene chloride	3.09	84	18060	4.956	ug/L	92
17) trans-1,2-Dichloroethene	3.39	96	15986	5.176	ug/L	98
18) Methyl tert-butyl Ether	3.41	73	58323	6.322	ug/L	95
19) 1,1-Dichloroethane	3.92	63	33264	5.571	ug/L	96
20) cis-1,2-Dichloroethene	4.72	96	19948	5.770	ug/L #	88
22) 2-Butanone	4.76	43	36804	12.706	ug/L	97
23) Bromochloromethane	5.03	128	9061	4.737	ug/L	94
25) Chloroform	5.14	83	36309	5.651	ug/L	96
27) 1,2-Dichloroethane	5.84	62	27097	5.443	ug/L #	95
29) Cyclohexane	5.43	56	28962	7.080	ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	30718	6.456	ug/L	98
31) Carbon tetrachloride	5.57	117	26029	6.127	ug/L	99
33) Benzene	5.82	78	71762	5.970	ug/L	100
34) Trichloroethene	6.58	95	17489	5.710	ug/L	89
35) Methylcyclohexane	6.80	83	30721	6.926	ug/L	92
37) 1,2-Dichloropropane	6.83	63	19851	6.342	ug/L #	96
38) Bromodichloromethane	7.14	83	27393	6.491	ug/L	92
39) cis-1,3-Dichloropropene	7.65	75	31528	6.689	ug/L	94
40) 4-Methyl-2-pentanone	7.83	43	67772	16.763	ug/L	96

Data File : VU036350.D
Acq On : 27 Dec 2019 12:16
Operator : JC/MD
Sample : VSTD005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Quant Time: Dec 27 13:48:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 27 13:46:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	78786	6.177	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	29728	6.754	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	16920	5.401	ug/L	98
46) Tetrachloroethene	8.58	164	13958	5.290	ug/L	96
48) 2-Hexanone	8.73	43	47185	13.988	ug/L #	97
49) Dibromochloromethane	8.84	129	21726	6.016	ug/L	97
50) 1,2-Dibromoethane	8.96	107	20330	6.010	ug/L	95
51) Chlorobenzene	9.48	112	48632	5.673	ug/L	97
52) Ethylbenzene	9.60	91	89583	6.652	ug/L	95
53) m,p-Xylene	9.72	106	32785	6.303	ug/L	90
54) o-xylene	10.13	106	33056	6.583	ug/L	97
55) Styrene	10.14	104	53328	6.117	ug/L	100
56) Isopropylbenzene	10.51	105	86363	6.641	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	33853	6.196	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	27404	6.143	ug/L	99
61) Bromoform	10.32	173	15924	6.779	ug/L #	97
62) 1,3-Dichlorobenzene	11.77	146	33223	6.169	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	33330	6.024	ug/L	96
65) 1,2-Dichlorobenzene	12.24	146	33630	6.101	ug/L	91
66) 1,2-Dibromo-3-chloropropan	13.02	75	8316	8.545	ug/L #	82
67) 1,3,5-Trichlorobenzene	13.24	180	21982	5.687	ug/L	96
68) 1,2,4-trichlorobenzene	13.86	180	13977	4.930	ug/L	98
69) Naphthalene	14.11	128	43325	5.724	ug/L	97
70) 1,2,3-Trichlorobenzene	14.35	180	15599	5.146	ug/L	95

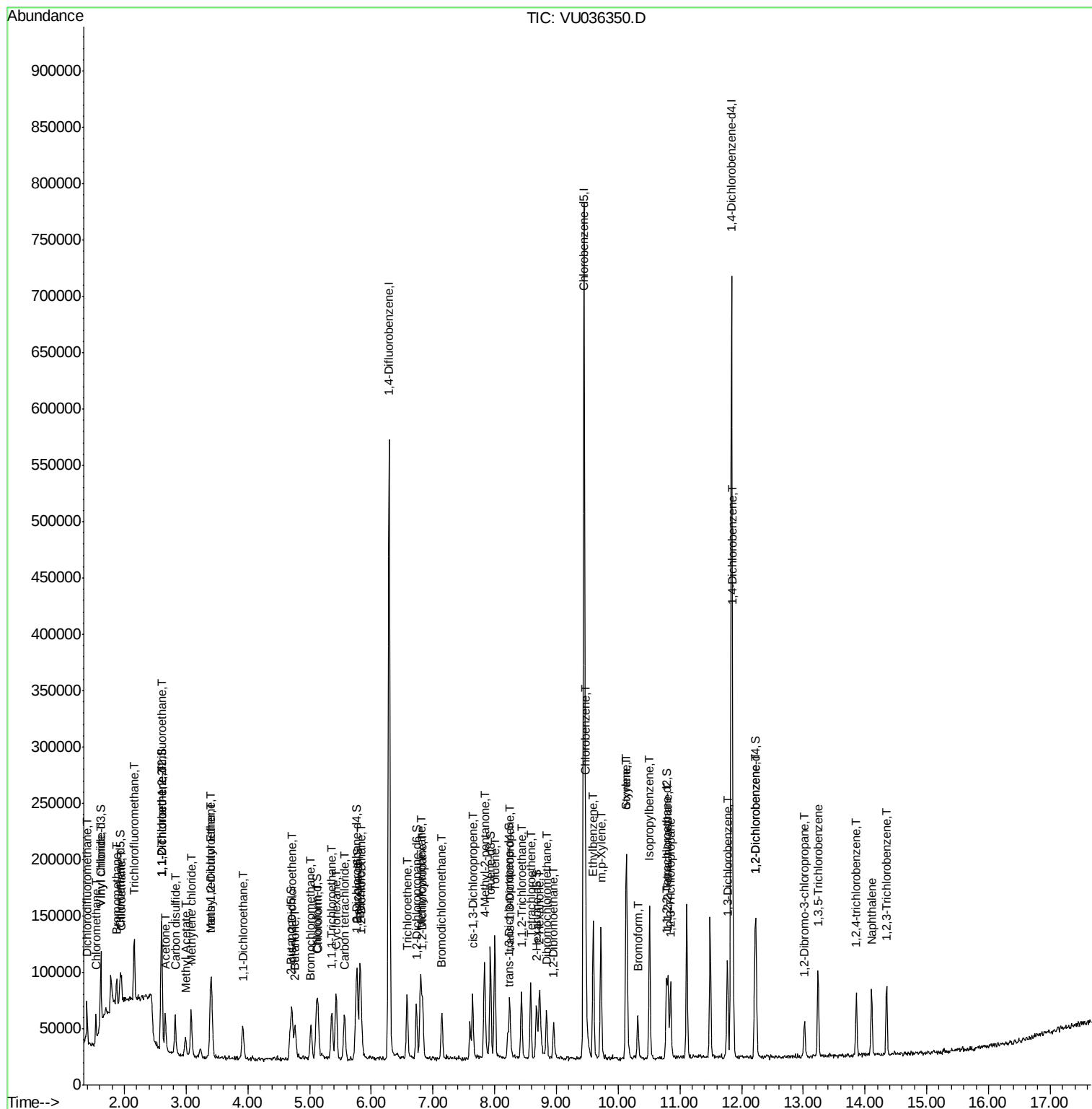
(#) = qualifier out of range (m) = manual integration (+) = signals summed

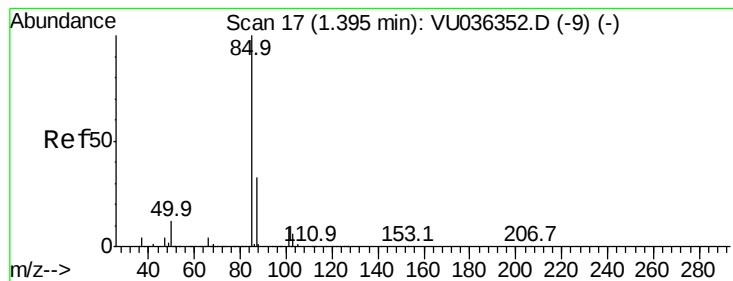
Data File : VU036350.D

```
Acq On       : 27 Dec 2019   12:16
Operator    : JC/MD
Sample      : VSTD005
Misc       : 5.0mL/MSV0A_U/WATER
ALS Vial    : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Quant Time: Dec 27 13:48:31 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 27 13:46:20 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.730 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

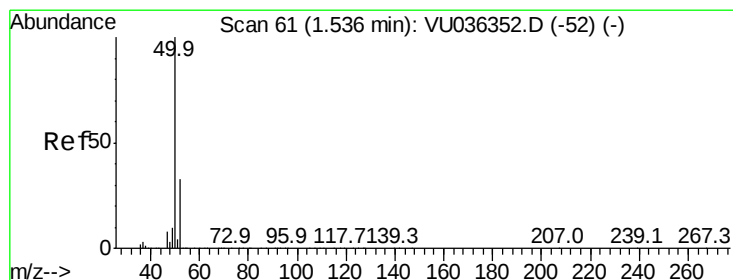
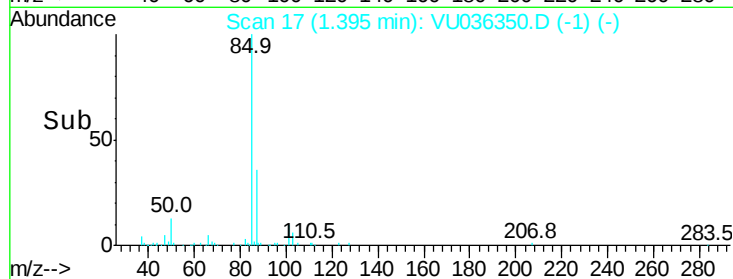
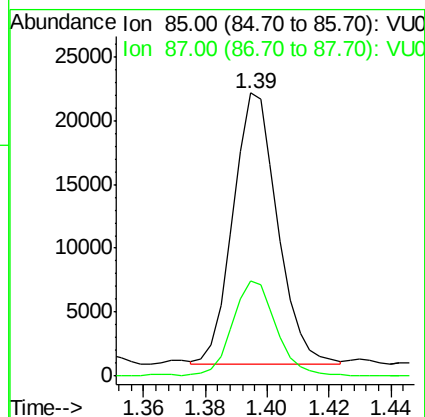
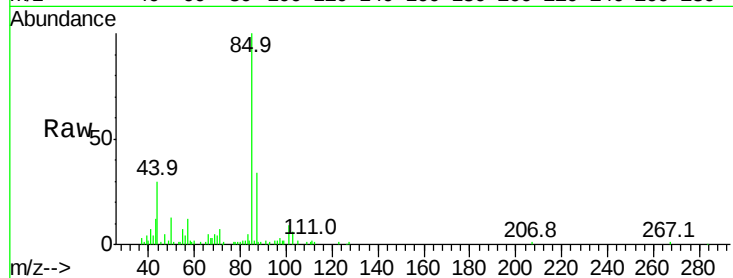
VSTD00532

Tgt Ion: 85 Resp: 21364

Ion Ratio Lower Upper

85 100

87 34.5 26.1 39.1



#3

Chloromethane

Concen: 3.693 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036350.D

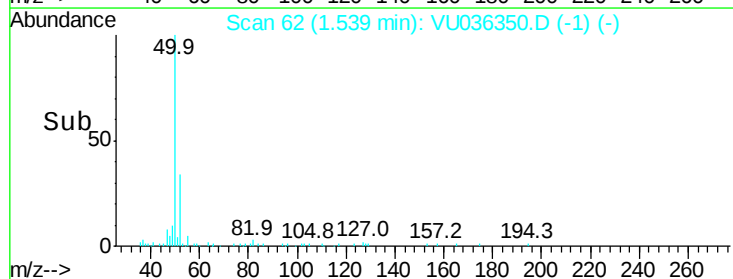
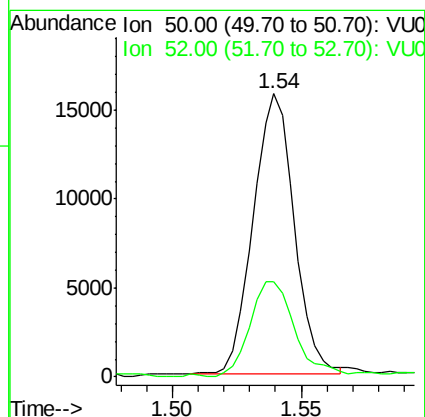
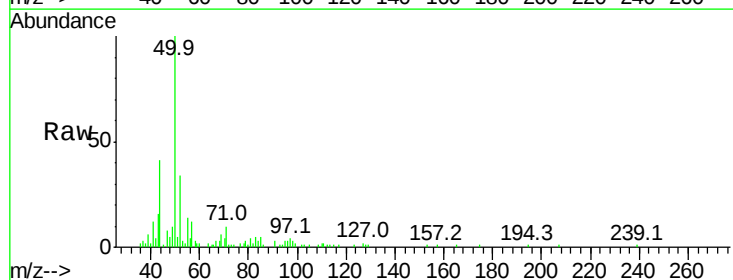
Acq: 27 Dec 2019 12:16

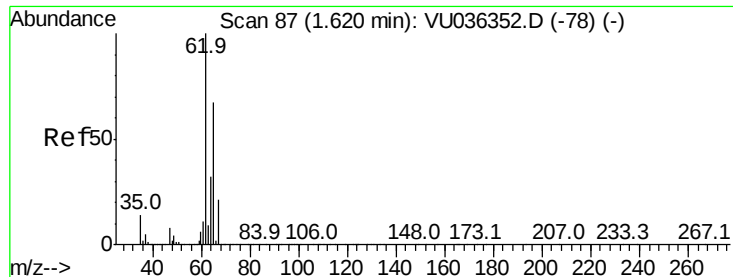
Tgt Ion: 50 Resp: 17528

Ion Ratio Lower Upper

50 100

52 33.8 23.0 42.6





#5

Vinyl chloride

Concen: 4.453 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

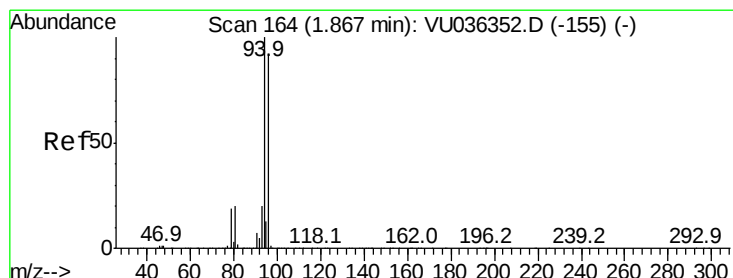
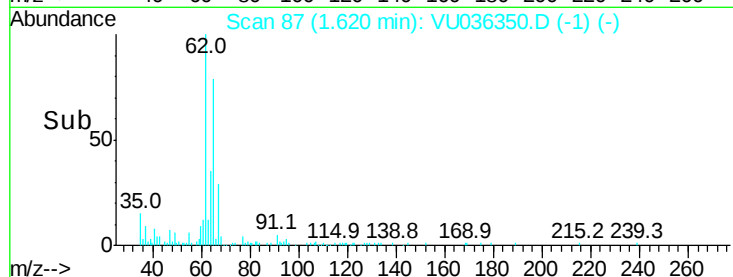
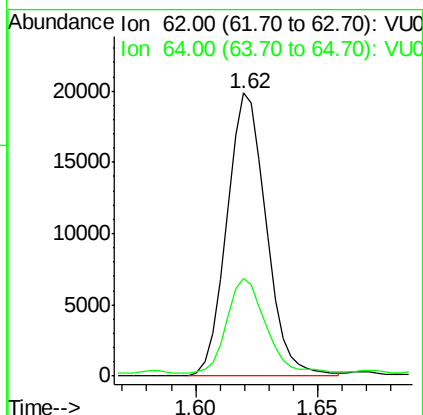
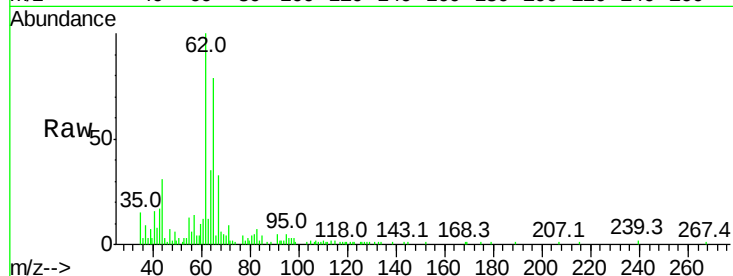
VSTD00532

Tgt Ion: 62 Resp: 22343

Ion Ratio Lower Upper

62 100

64 34.6 22.7 42.3



#6

Bromomethane

Concen: 3.098 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU036350.D

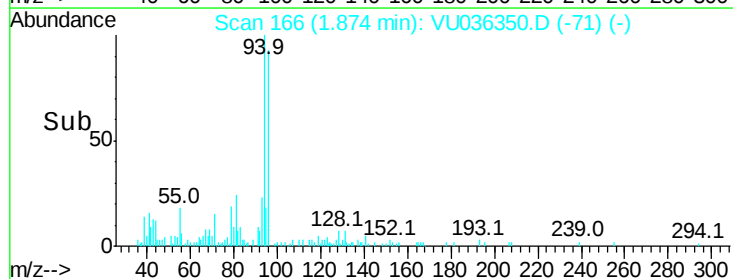
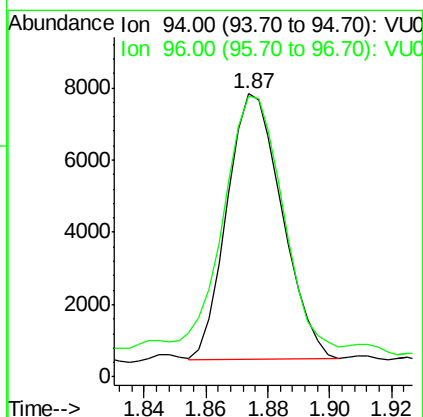
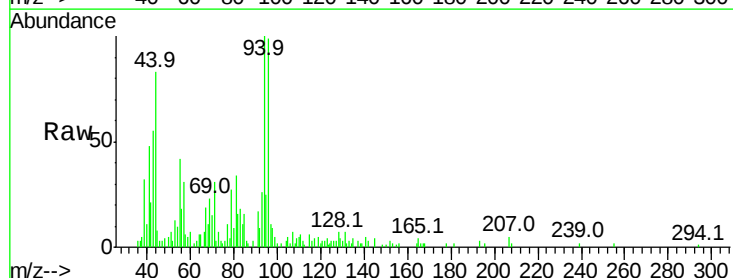
Acq: 27 Dec 2019 12:16

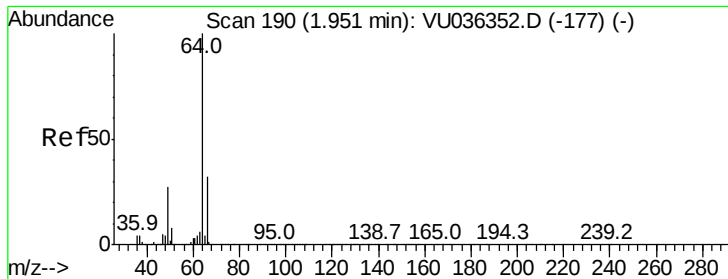
Tgt Ion: 94 Resp: 9080

Ion Ratio Lower Upper

94 100

96 99.2 64.5 119.7





#8

Chloroethane

Concen: 4.645 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

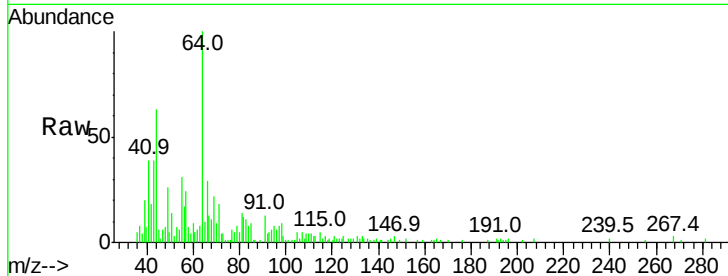
VSTD00532

Tgt Ion: 64 Resp: 13756

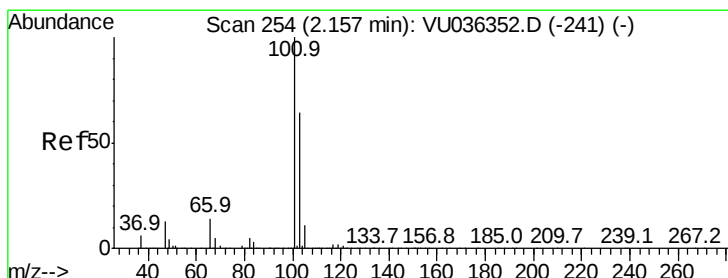
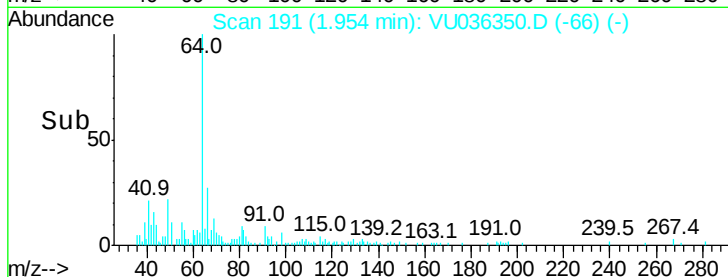
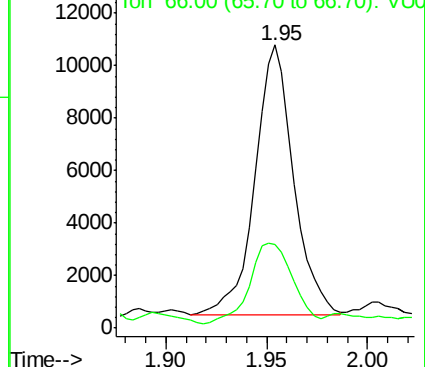
Ion Ratio Lower Upper

64 100

66 29.4 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VU036350.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 5.034 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036350.D

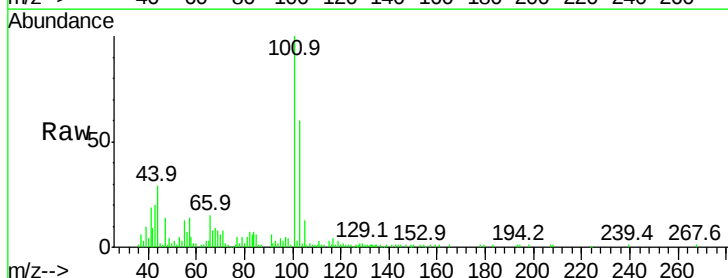
Acq: 27 Dec 2019 12:16

Tgt Ion: 101 Resp: 32466

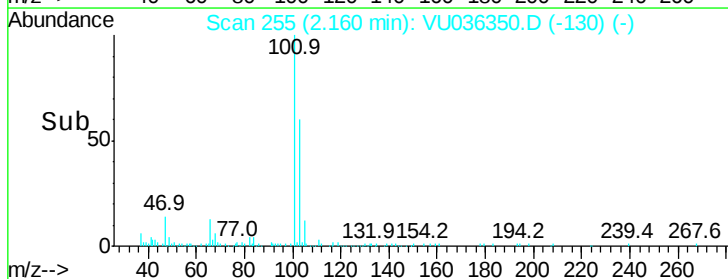
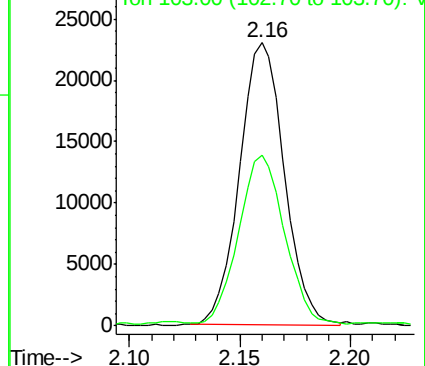
Ion Ratio Lower Upper

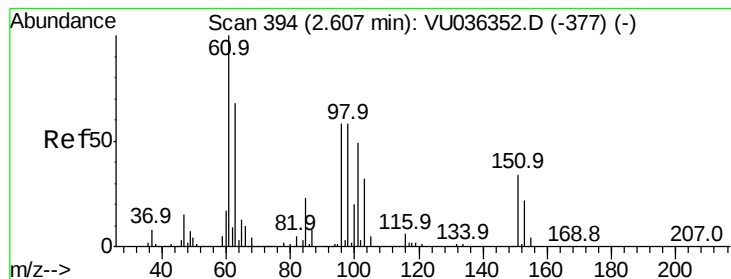
101 100

103 63.0 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU036350.D (-130) (-)





#10

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

Concen: 5.255 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

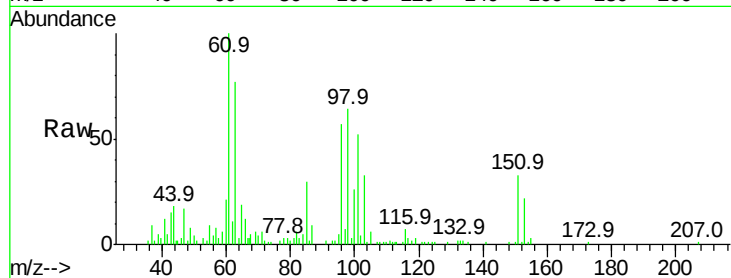
Tgt Ion: 101 Resp: 16220

Ion Ratio Lower Upper

101 100

85 54.7 37.1 55.7

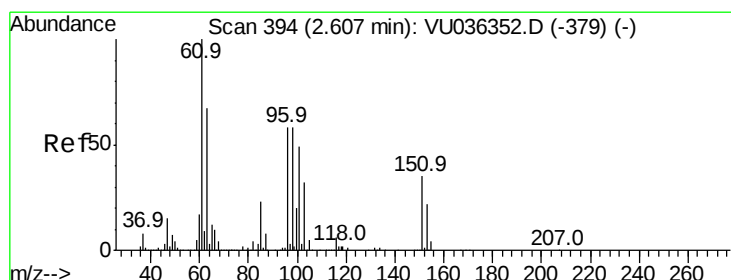
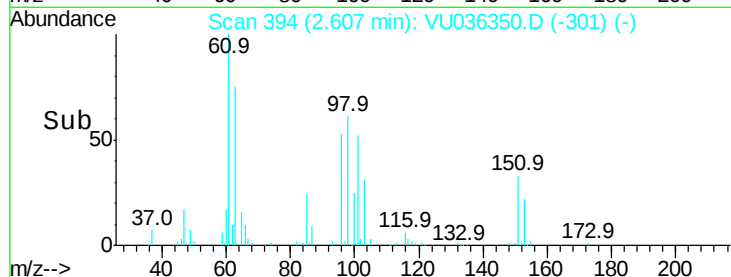
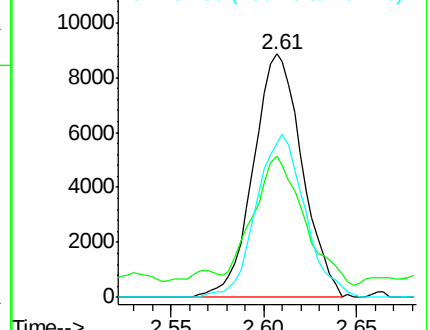
151 66.8 54.3 81.5



Abundance Ion 101.00 (100.70 to 101.70): VU036350.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU036350.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU036350.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 5.136 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

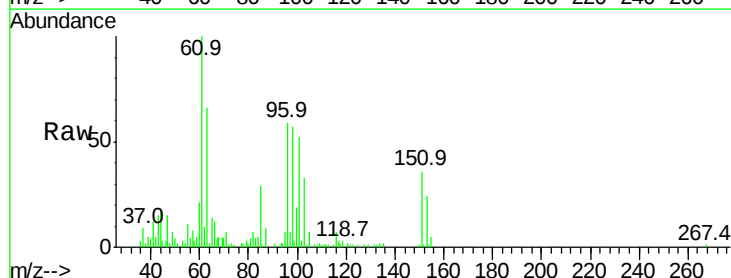
Tgt Ion: 96 Resp: 15059

Ion Ratio Lower Upper

96 100

61 168.1 120.9 224.5

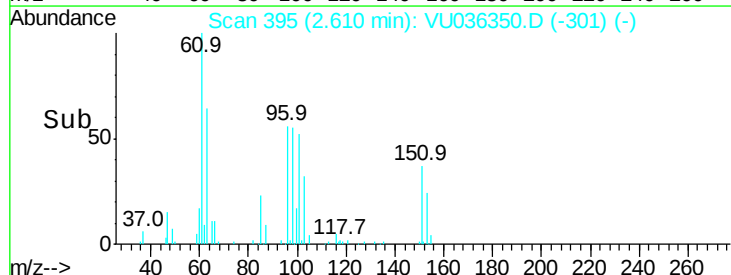
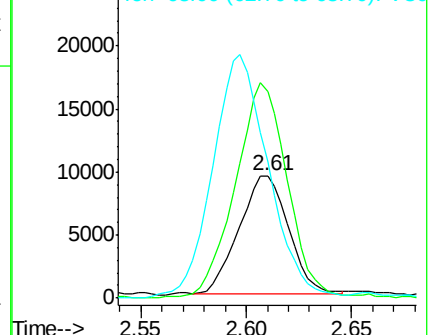
63 110.9 81.8 152.0

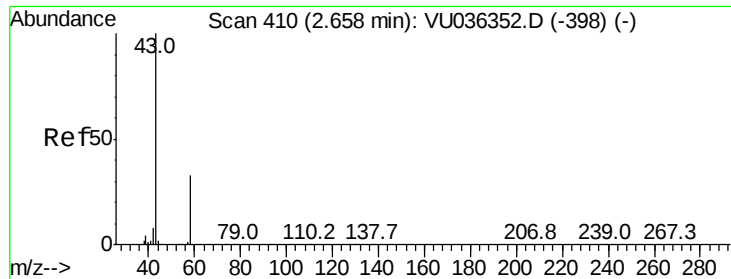


Abundance Ion 96.00 (95.70 to 96.70): VU036350.D (-301) (-)

Ion 61.00 (60.70 to 61.70): VU036350.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU036350.D (-301) (-)





#13

Acetone

Concen: 12.694 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

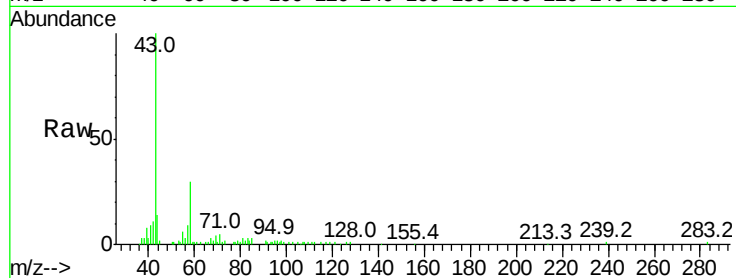
VSTD00532

Tgt Ion: 43 Resp: 34791

Ion Ratio Lower Upper

43 100

58 31.2 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU036350.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036350.D (-398) (-)

2.66

25000

20000

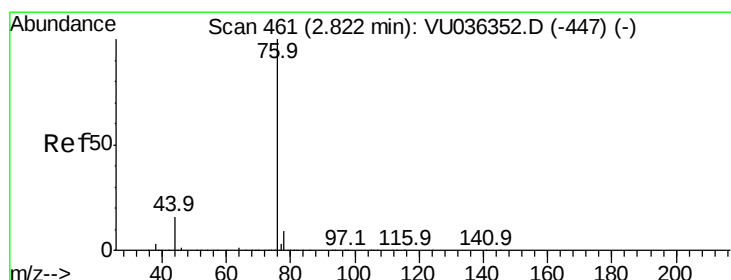
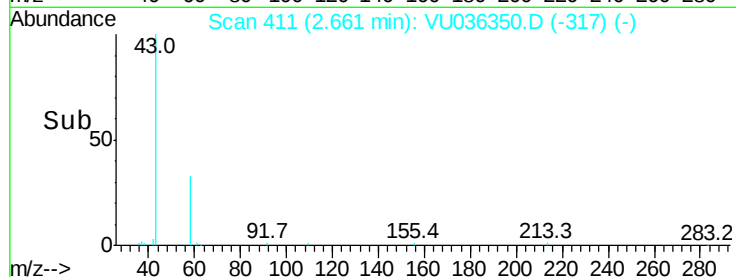
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 5.109 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036350.D

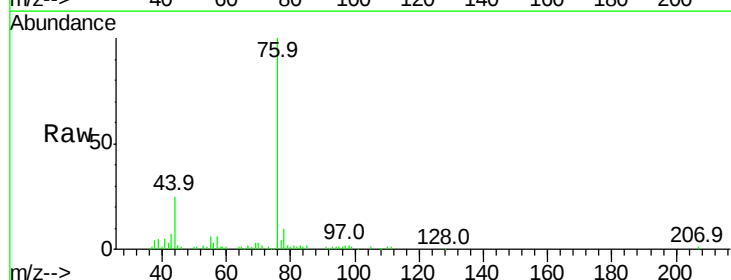
Acq: 27 Dec 2019 12:16

Tgt Ion: 76 Resp: 47093

Ion Ratio Lower Upper

76 100

78 9.9 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU036350.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036350.D (-447) (-)

2.82

30000

25000

20000

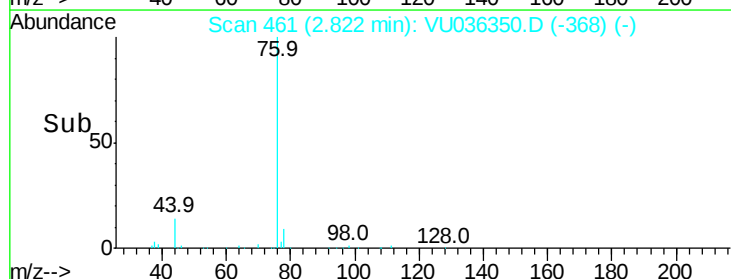
15000

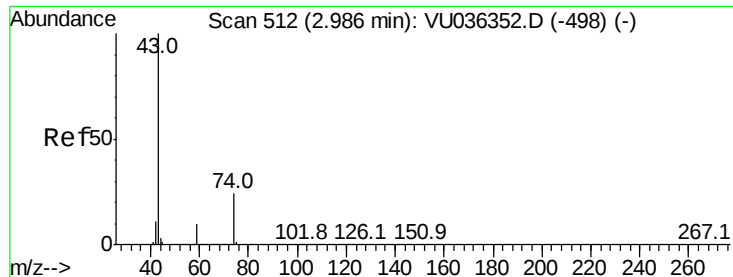
10000

5000

0

Time-->

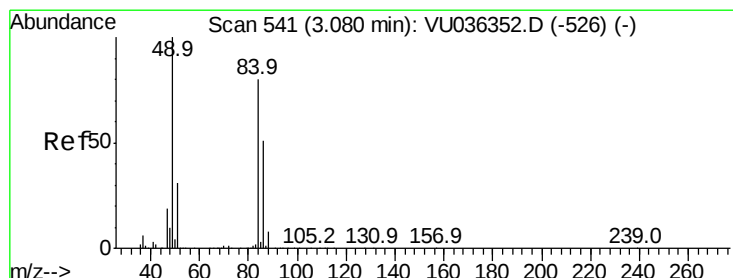
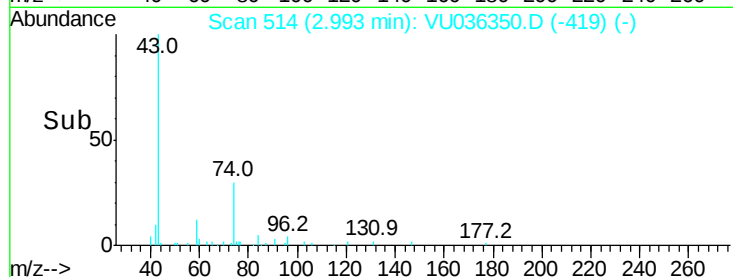
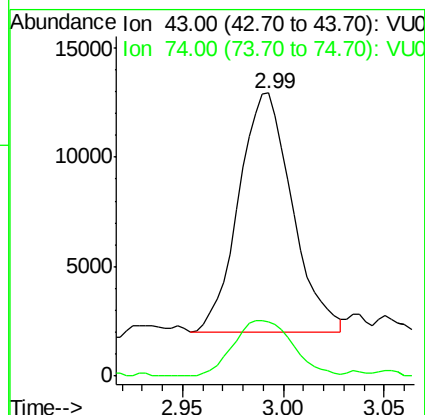
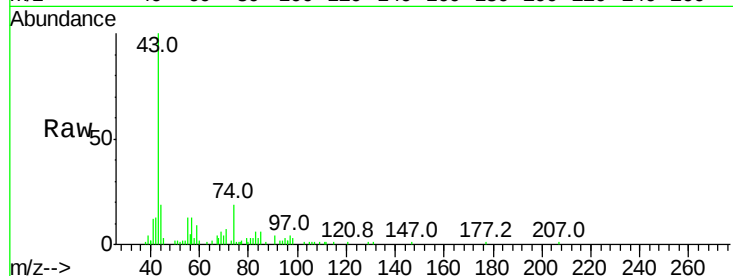




#15
Methyl Acetate
Concen: 5.569 ug/L
RT: 2.99 min Scan# 514
Delta R.T. 0.01 min
Lab File: VU036350.D
Acq: 27 Dec 2019 12:16

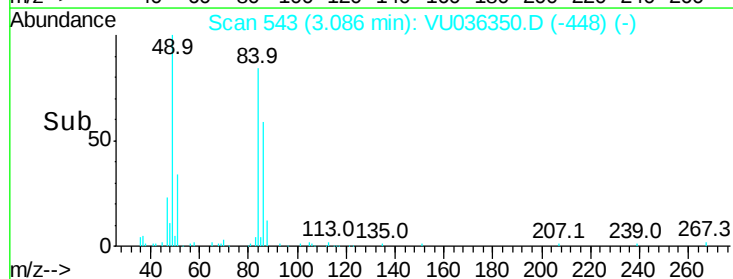
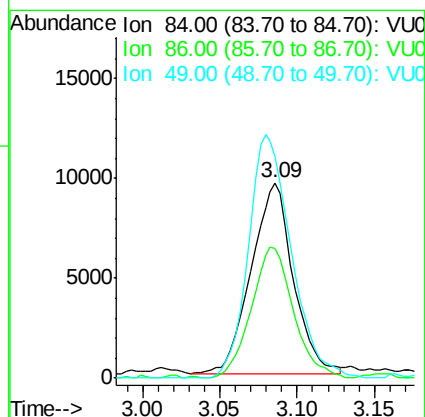
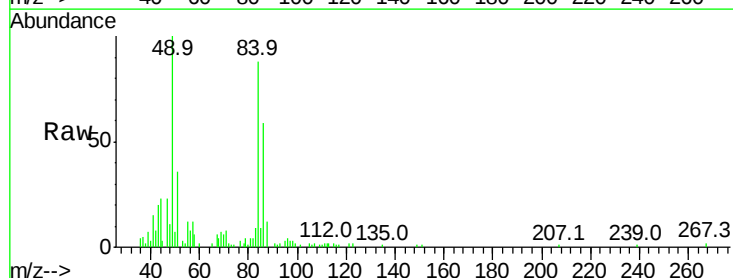
Instrument :
MSVOA_U
ClientSampled :
VSTD00532

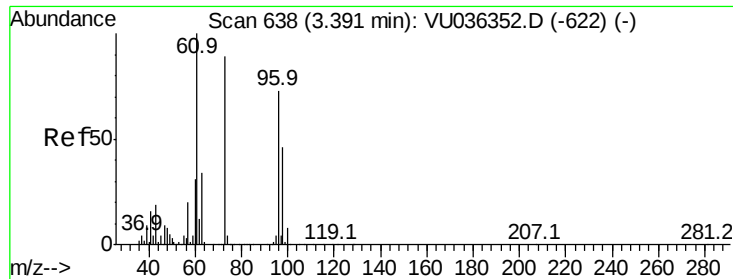
Tgt Ion: 43 Resp: 20326
Ion Ratio Lower Upper
43 100
74 25.8 19.4 29.2



#16
Methylene chloride
Concen: 4.956 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.01 min
Lab File: VU036350.D
Acq: 27 Dec 2019 12:16

Tgt Ion: 84 Resp: 18060
Ion Ratio Lower Upper
84 100
86 66.4 44.6 82.8
49 113.3 87.6 162.6





#17

trans-1,2-Dichloroethene

Concen: 5.176 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

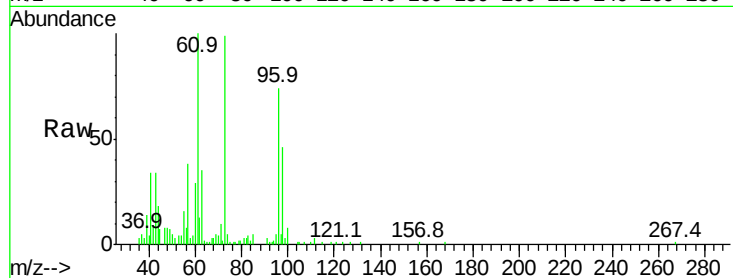
Tgt Ion: 96 Resp: 15986

Ion Ratio Lower Upper

96 100

61 135.1 96.2 178.8

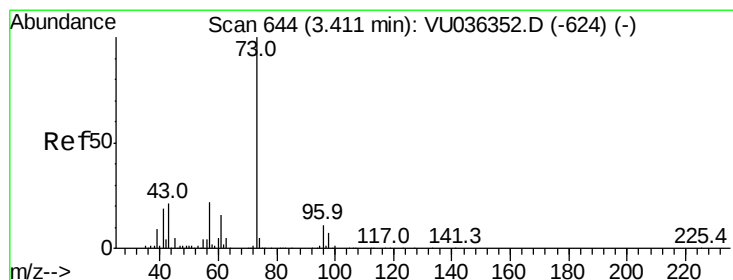
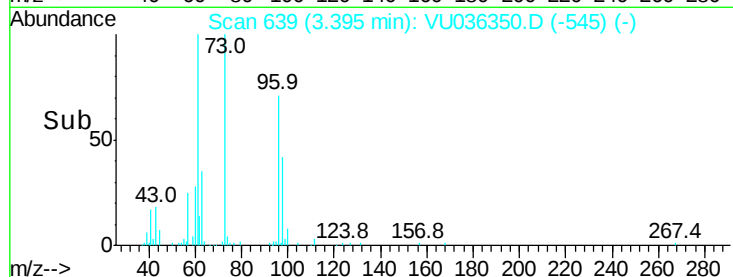
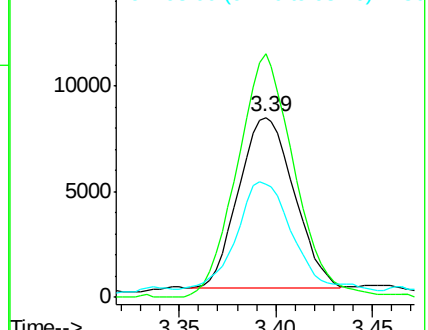
98 62.6 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036350.D (-545) (-)

Ion 61.00 (60.70 to 61.70): VU036350.D (-545) (-)

Ion 98.00 (97.70 to 98.70): VU036350.D (-545) (-)



#18

Methyl tert-butyl Ether

Concen: 6.322 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

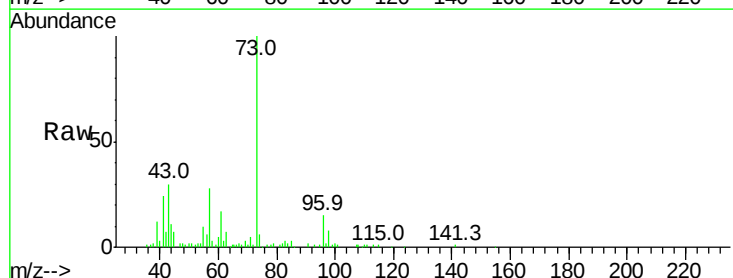
Tgt Ion: 73 Resp: 58323

Ion Ratio Lower Upper

73 100

43 23.5 16.3 24.5

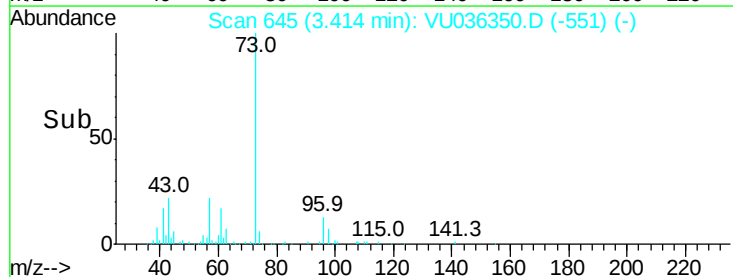
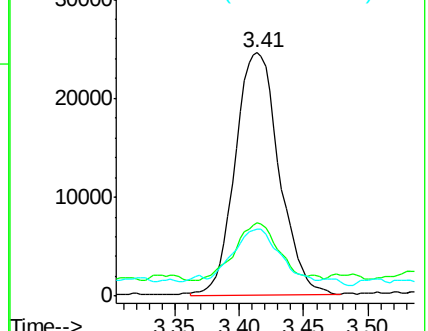
57 20.7 17.7 26.5

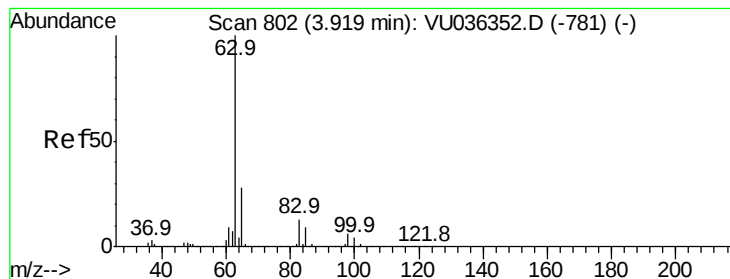


Abundance Ion 73.00 (72.70 to 73.70): VU036350.D (-551) (-)

Ion 43.00 (42.70 to 43.70): VU036350.D (-551) (-)

Ion 57.00 (56.70 to 57.70): VU036350.D (-551) (-)





#19

1,1-Dichloroethane

Concen: 5.571 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

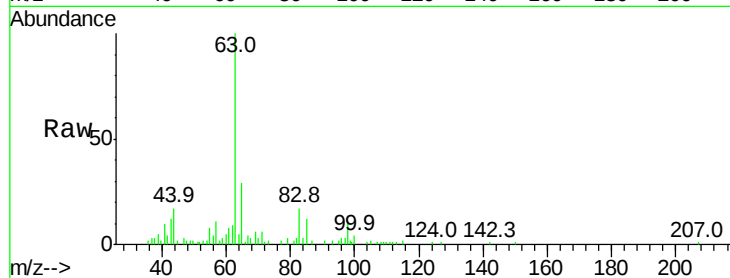
Tgt Ion: 63 Resp: 33264

Ion Ratio Lower Upper

63 100

65 29.4 20.0 37.2

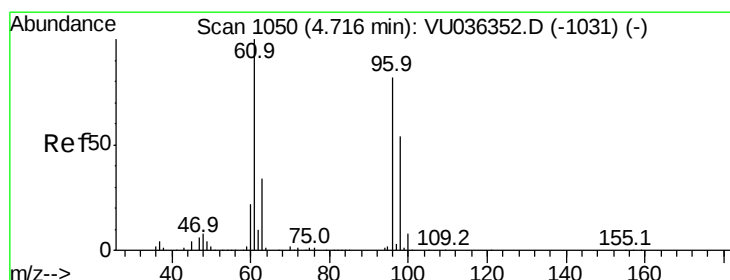
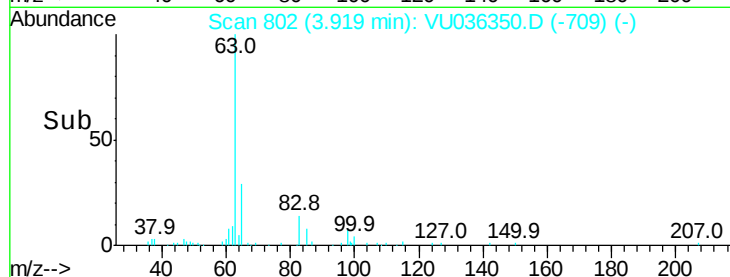
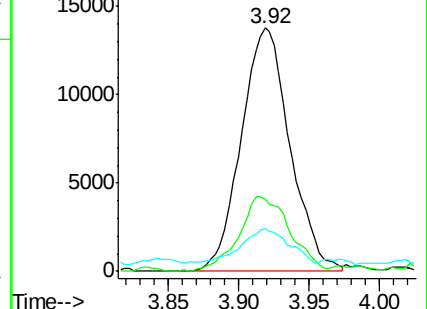
83 17.5 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU036350.D (-709) (-)

Ion 65.00 (64.70 to 65.70): VU036350.D (-709) (-)

Ion 83.00 (82.70 to 83.70): VU036350.D (-709) (-)



#20

cis-1,2-Dichloroethene

Concen: 5.770 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

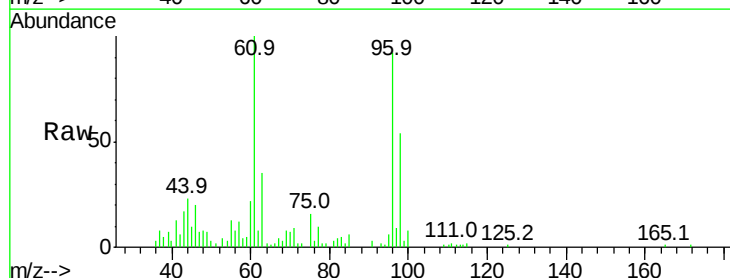
Tgt Ion: 96 Resp: 19948

Ion Ratio Lower Upper

96 100

61 108.6 85.1 158.1

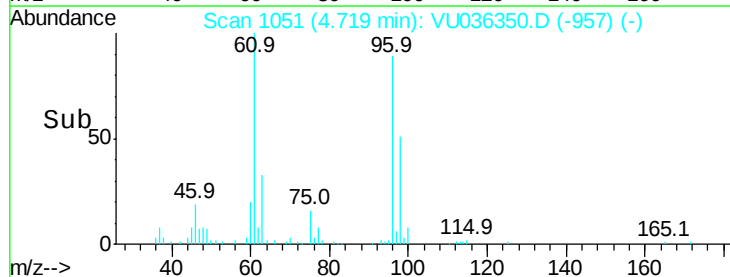
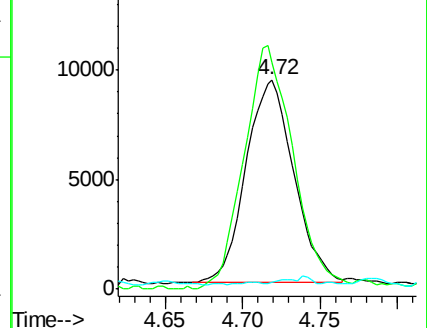
68 3.2 0.1 0.3#

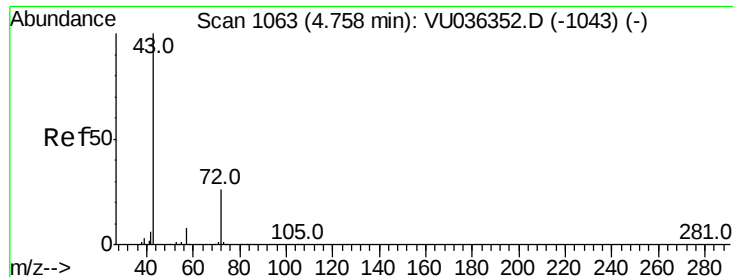


Abundance Ion 96.00 (95.70 to 96.70): VU036350.D (-957) (-)

Ion 61.00 (60.70 to 61.70): VU036350.D (-957) (-)

Ion 68.00 (67.70 to 68.70): VU036350.D (-957) (-)

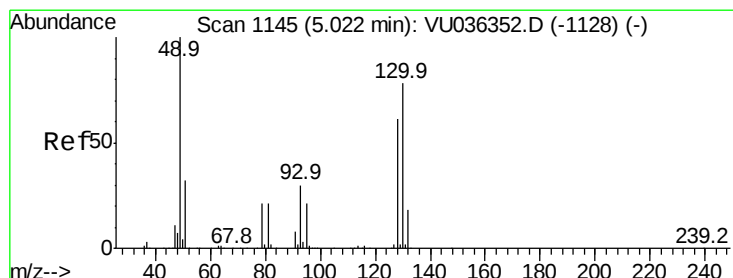
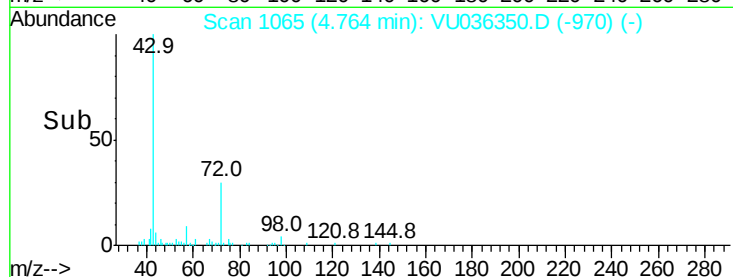
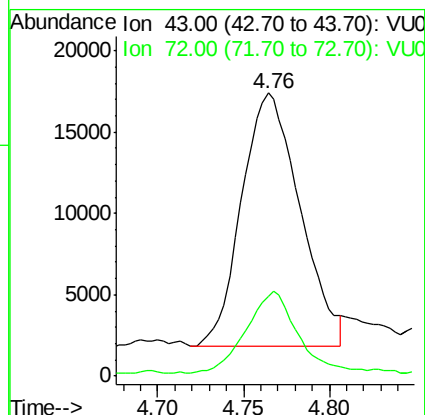
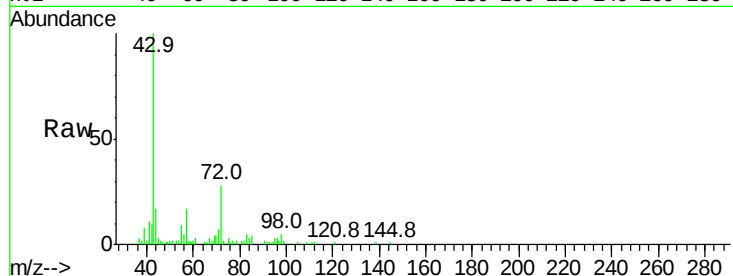




#22
2-Butanone
Concen: 12.706 ug/L
RT: 4.76 min Scan# 1065
Delta R.T. 0.01 min
Lab File: VU036350.D
Acq: 27 Dec 2019 12:16

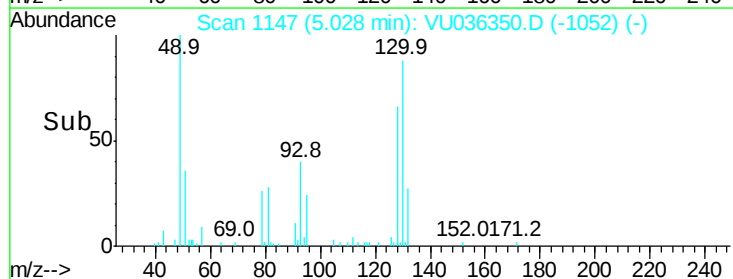
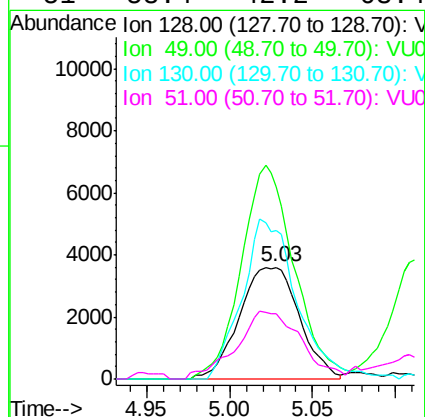
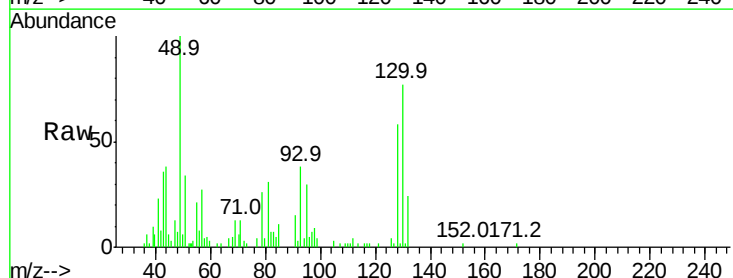
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

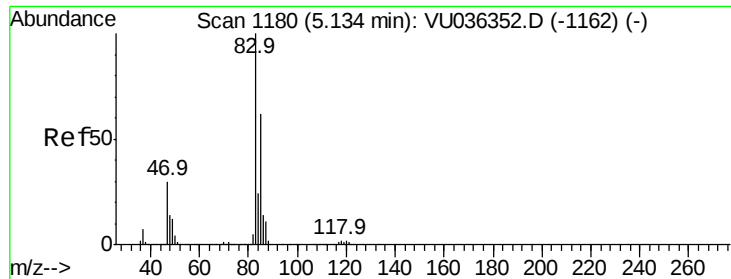
Tgt Ion: 43 Resp: 36804
Ion Ratio Lower Upper
43 100
72 28.2 13.4 40.1



#23
Bromochloromethane
Concen: 4.737 ug/L
RT: 5.03 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VU036350.D
Acq: 27 Dec 2019 12:16

Tgt Ion: 128 Resp: 9061
Ion Ratio Lower Upper
128 100
49 172.6 115.0 213.6
130 133.6 89.1 165.5
51 58.4 42.2 63.4

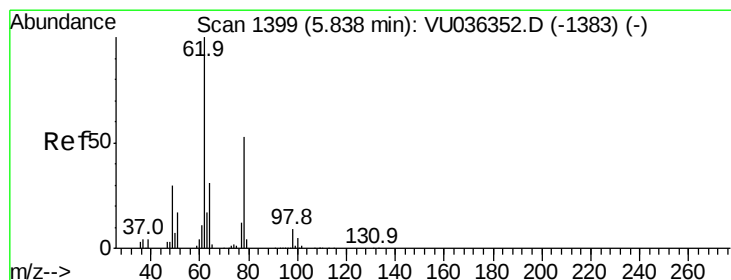
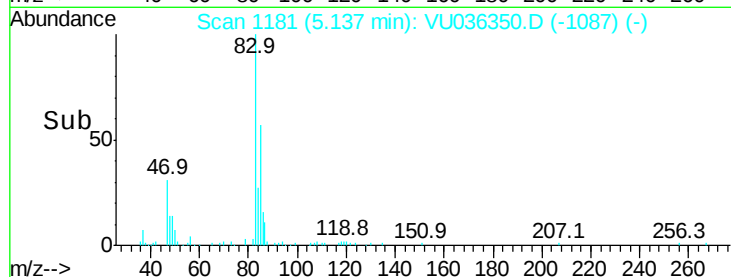
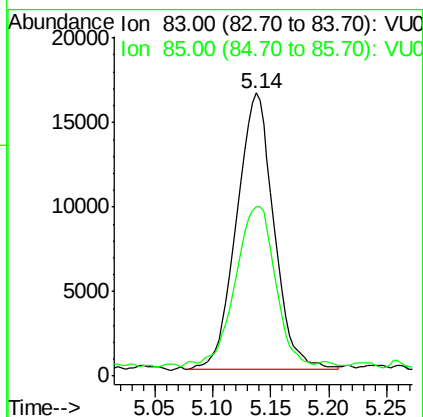
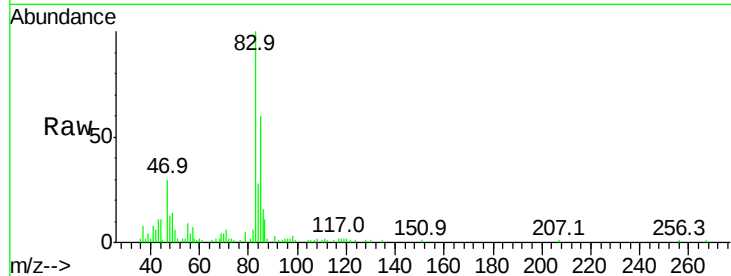




#25
Chloroform
Concen: 5.651 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036350.D
Acq: 27 Dec 2019 12:16

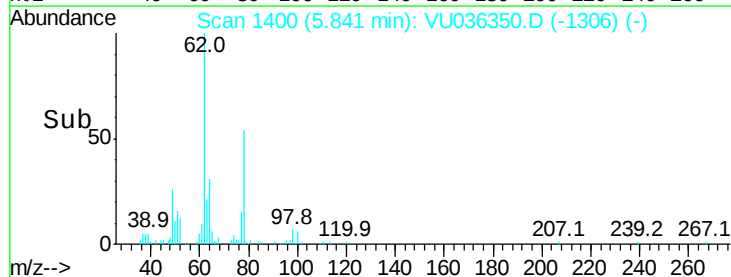
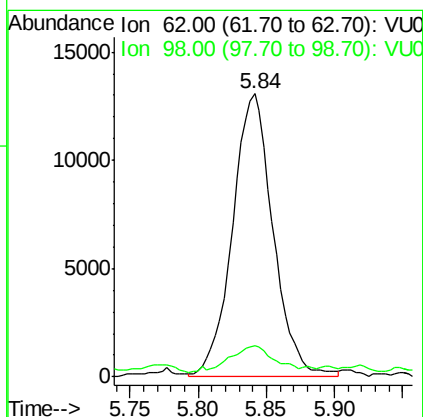
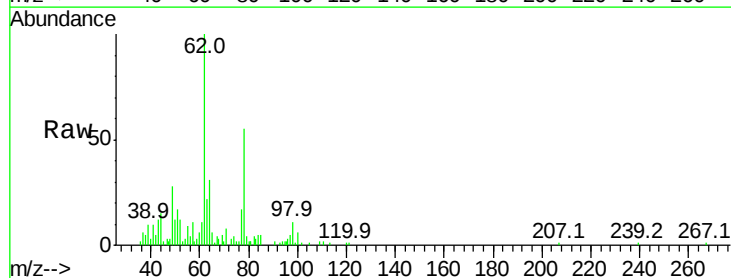
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

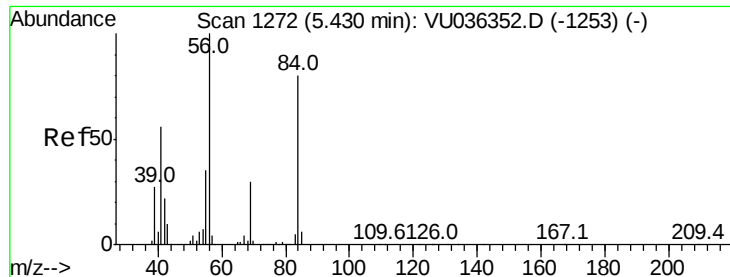
Tgt Ion: 83 Resp: 36309
Ion Ratio Lower Upper
83 100
85 59.7 43.9 81.5



#27
1,2-Dichloroethane
Concen: 5.443 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU036350.D
Acq: 27 Dec 2019 12:16

Tgt Ion: 62 Resp: 27097
Ion Ratio Lower Upper
62 100
98 10.9 7.3 10.9#

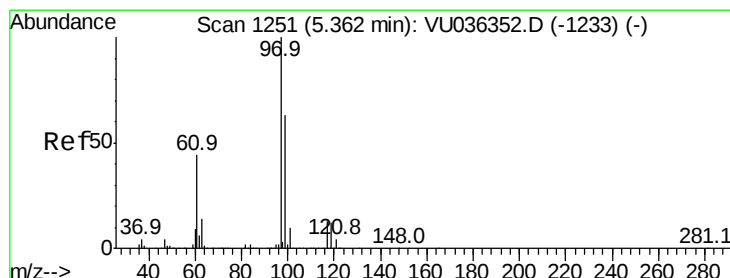
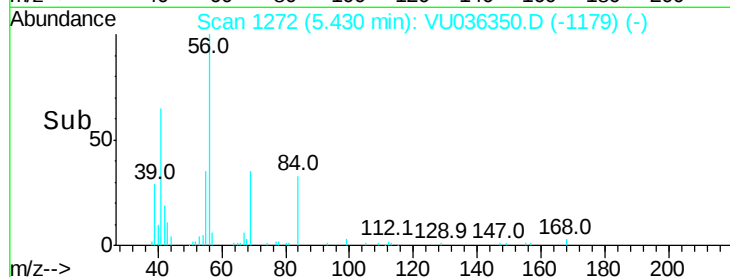
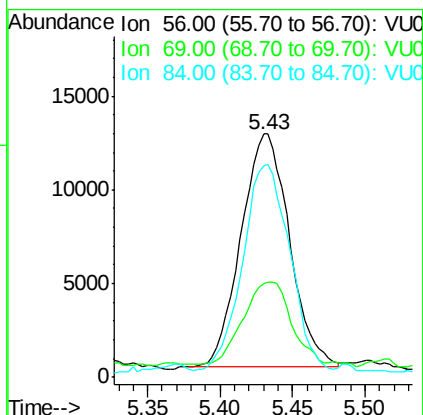
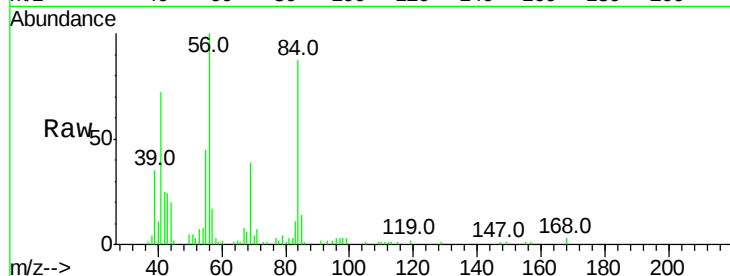




#29
Cyclohexane
Concen: 7.080 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036350.D
Acq: 27 Dec 2019 12:16

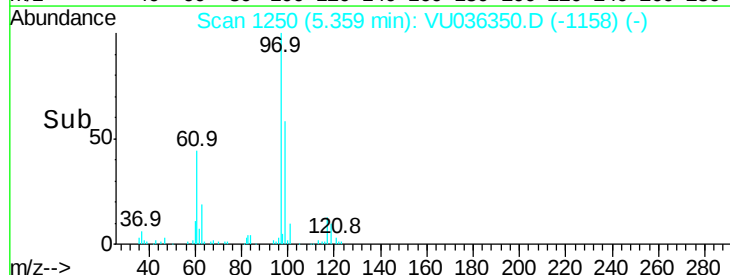
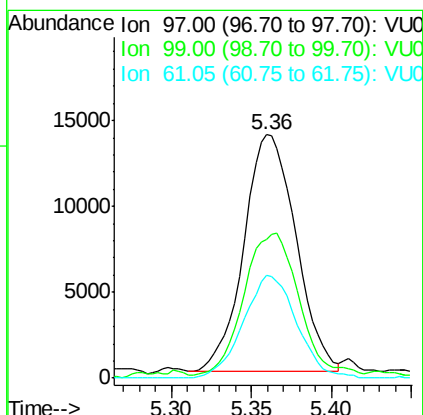
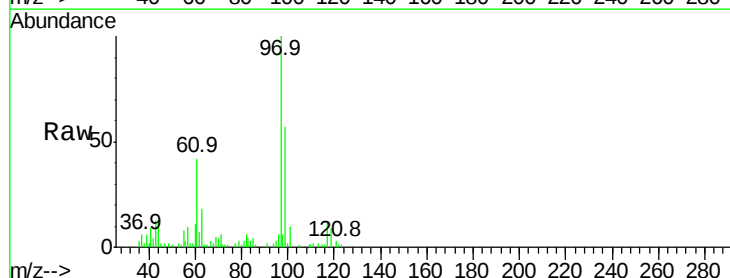
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

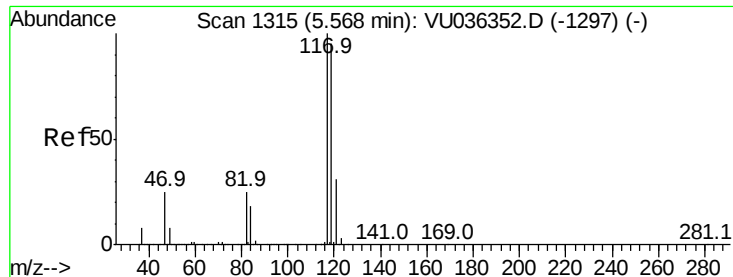
Tgt Ion: 56 Resp: 28962
Ion Ratio Lower Upper
56 100
69 35.3 24.8 37.2
84 85.4 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 6.456 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036350.D
Acq: 27 Dec 2019 12:16

Tgt Ion: 97 Resp: 30718
Ion Ratio Lower Upper
97 100
99 61.8 51.0 76.4
61 44.6 34.7 52.1





#31

Carbon tetrachloride

Concen: 6.127 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

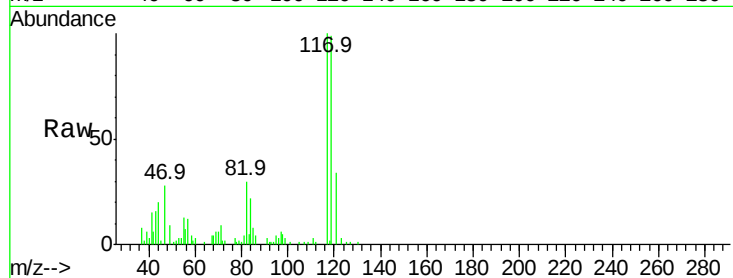
VSTD00532

Tgt Ion:117 Resp: 26029

Ion Ratio Lower Upper

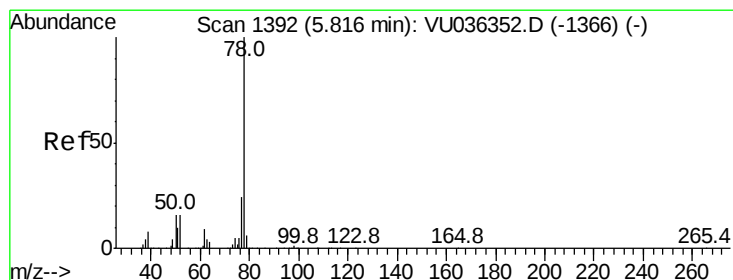
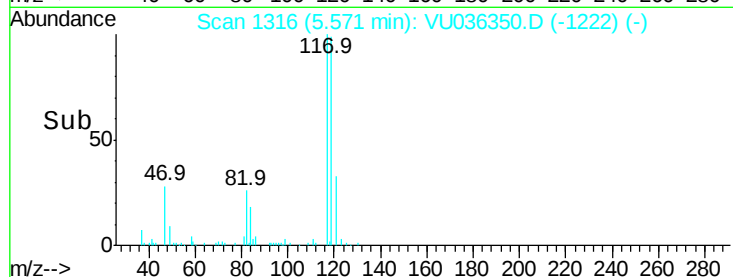
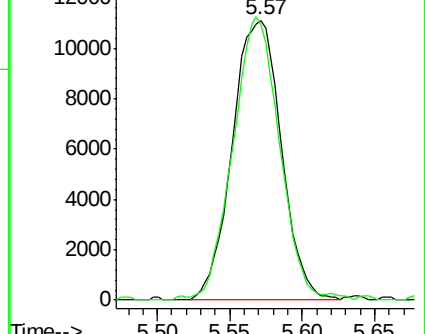
117 100

119 95.8 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.970 ug/L

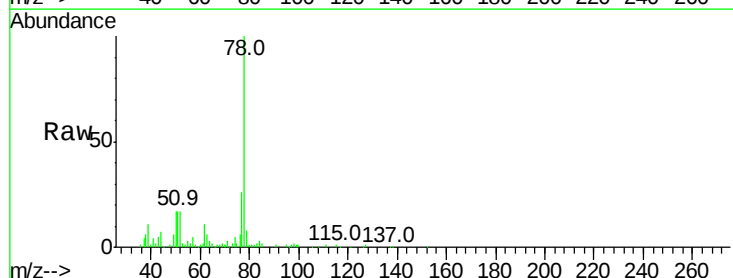
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

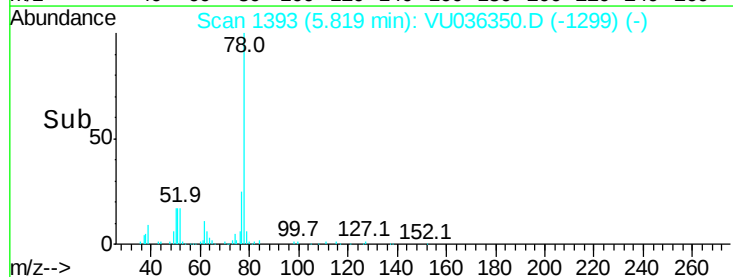
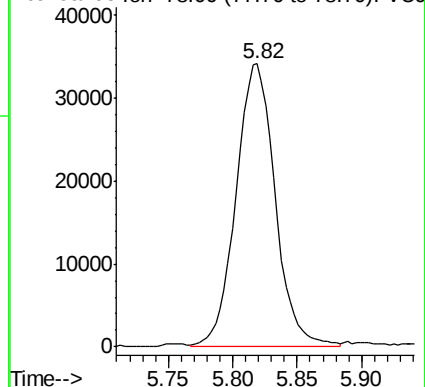
Lab File: VU036350.D

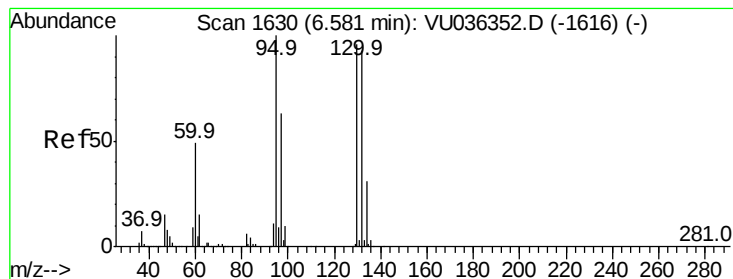
Acq: 27 Dec 2019 12:16

Tgt Ion: 78 Resp: 71762



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 5.710 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

Tgt Ion: 95 Resp: 17489

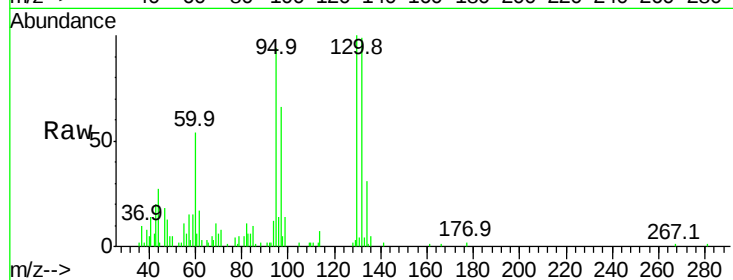
Ion Ratio Lower Upper

95 100

97 69.8 44.5 82.7

132 104.6 64.5 119.9

130 105.9 66.6 123.8

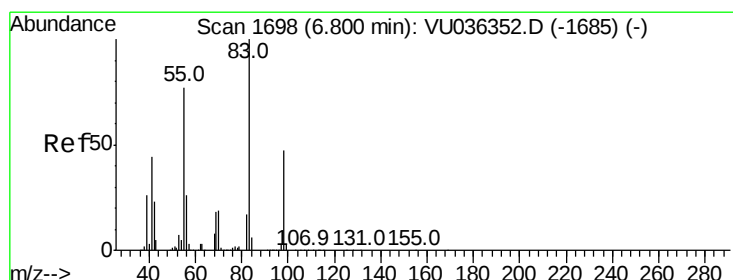
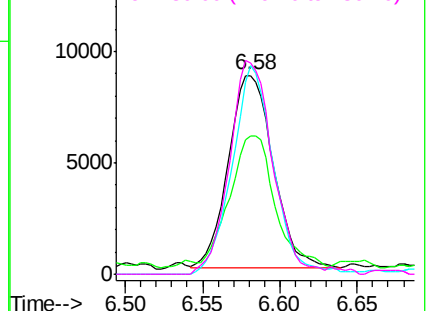
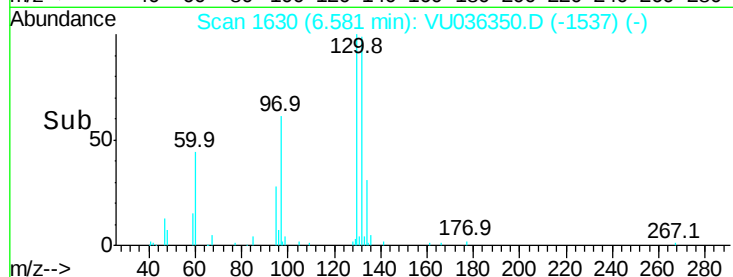


Abundance Ion 95.00 (94.70 to 95.70): VU036350.D (-1537) (-)

Ion 97.00 (96.70 to 97.70): VU036350.D (-1537) (-)

Ion 132.00 (131.70 to 132.70): VU036350.D (-1537) (-)

Ion 130.00 (129.70 to 130.70): VU036350.D (-1537) (-)



#35

Methylcyclohexane

Concen: 6.926 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

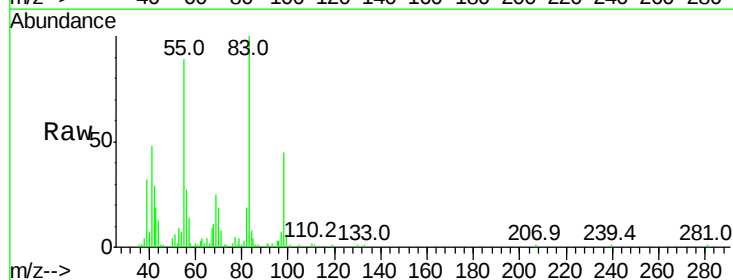
Tgt Ion: 83 Resp: 30721

Ion Ratio Lower Upper

83 100

55 82.8 60.0 90.0

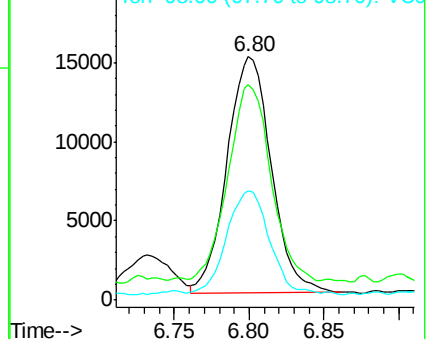
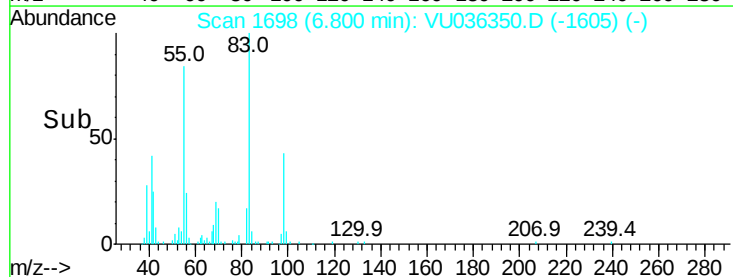
98 41.1 36.2 54.4

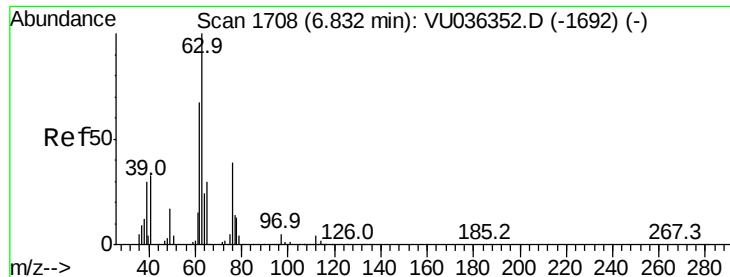


Abundance Ion 83.00 (82.70 to 83.70): VU036350.D (-1605) (-)

Ion 55.00 (54.70 to 55.70): VU036350.D (-1605) (-)

Ion 98.00 (97.70 to 98.70): VU036350.D (-1605) (-)





#37

1,2-Dichloropropane

Concen: 6.342 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

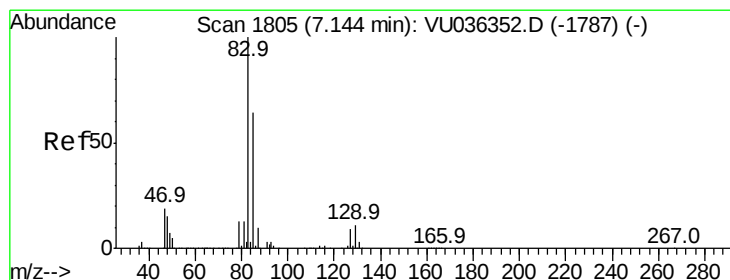
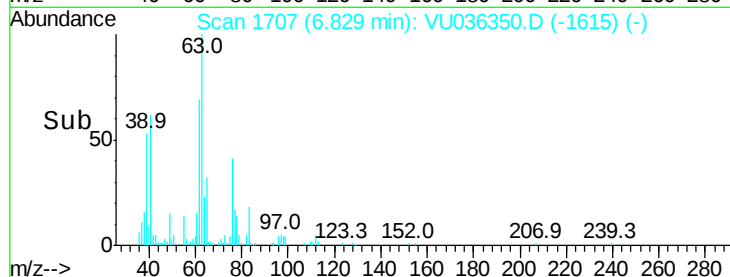
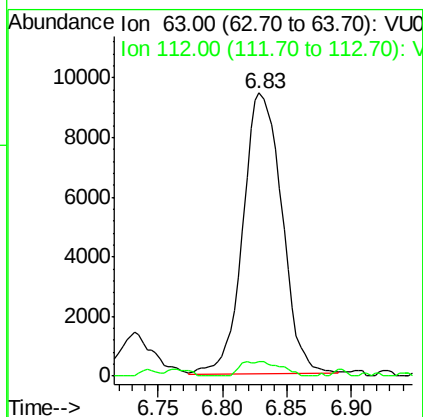
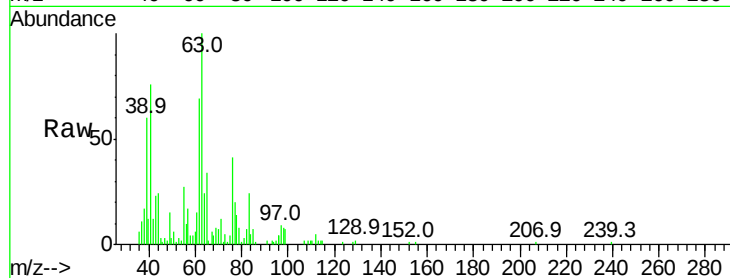
VSTD00532

Tgt Ion: 63 Resp: 19851

Ion Ratio Lower Upper

63 100

112 2.2 3.0 4.4#



#38

Bromodichloromethane

Concen: 6.491 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

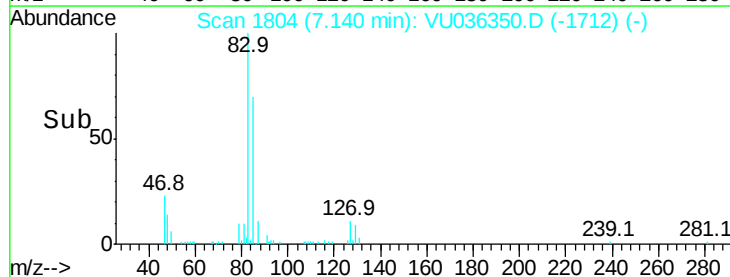
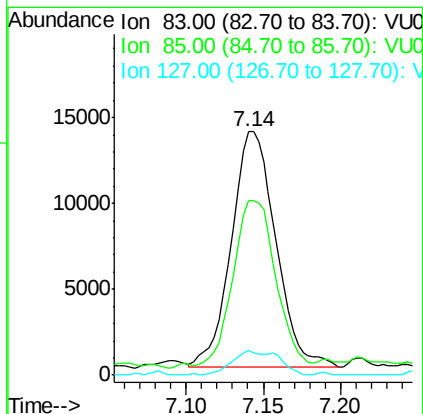
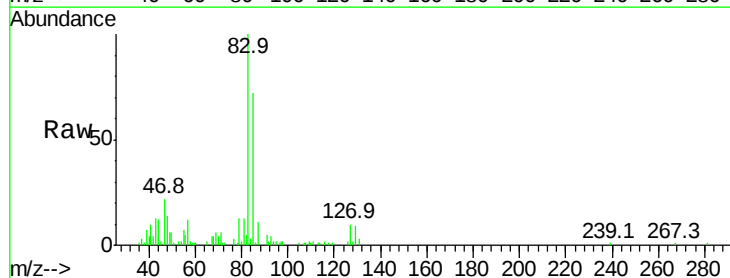
Tgt Ion: 83 Resp: 27393

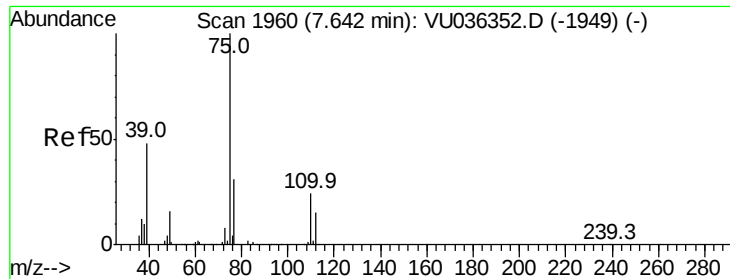
Ion Ratio Lower Upper

83 100

85 71.7 45.3 84.1

127 10.0 6.8 10.2

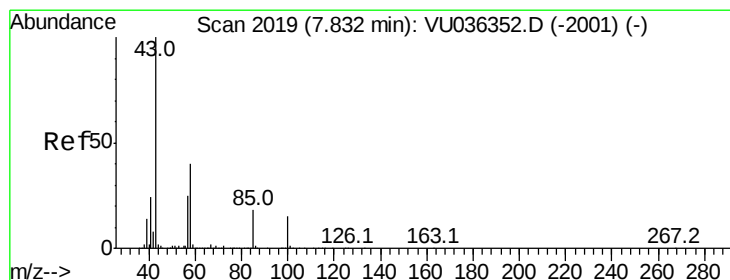
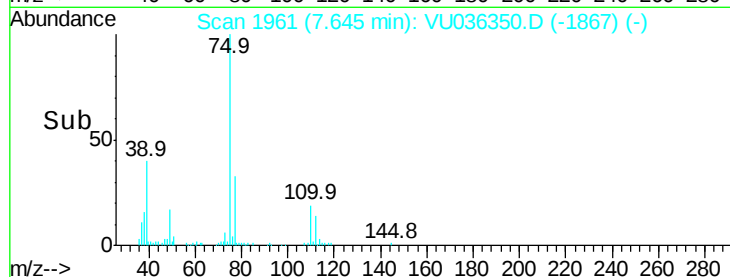
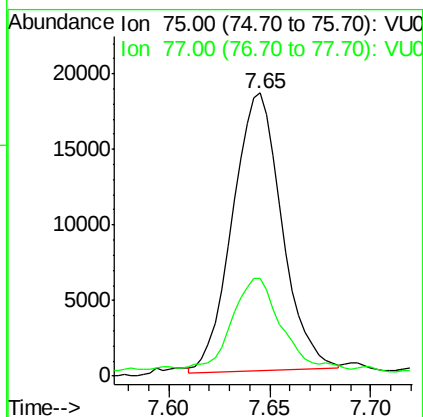
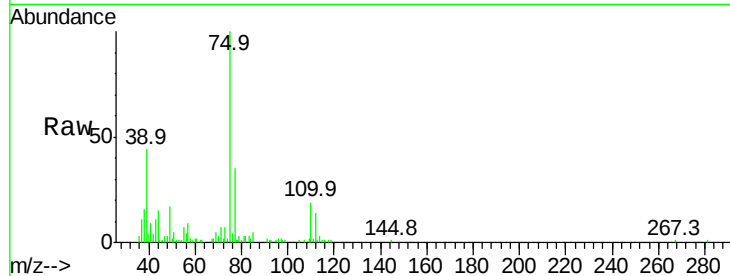




#39
 cis-1,3-Dichloropropene
 Concen: 6.689 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU036350.D
 Acq: 27 Dec 2019 12:16

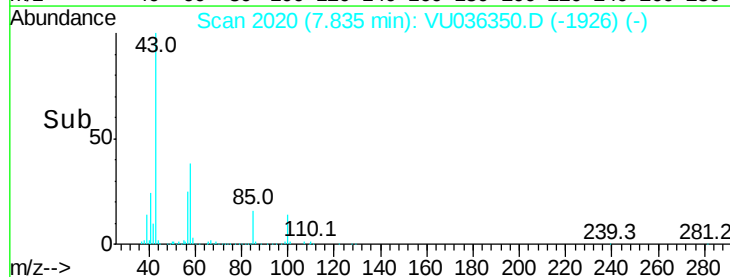
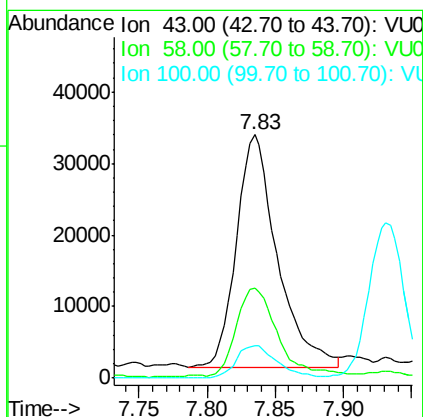
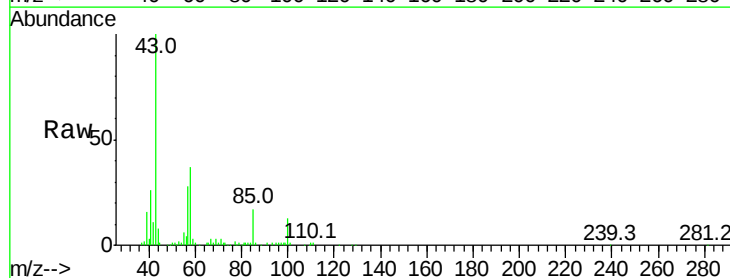
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

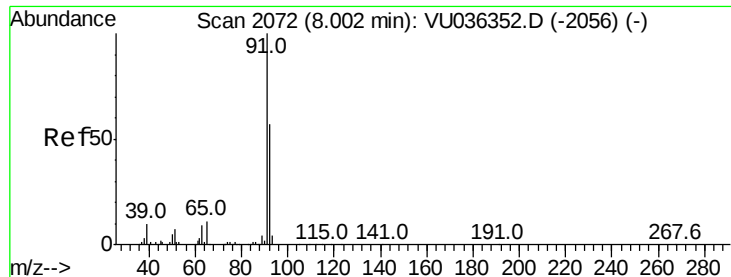
Tgt Ion: 75 Resp: 31528
 Ion Ratio Lower Upper
 75 100
 77 34.8 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 16.763 ug/L
 RT: 7.83 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VU036350.D
 Acq: 27 Dec 2019 12:16

Tgt Ion: 43 Resp: 67772
 Ion Ratio Lower Upper
 43 100
 58 36.4 31.6 47.4
 100 14.0 11.6 17.4





#42

Toluene

Concen: 6.177 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

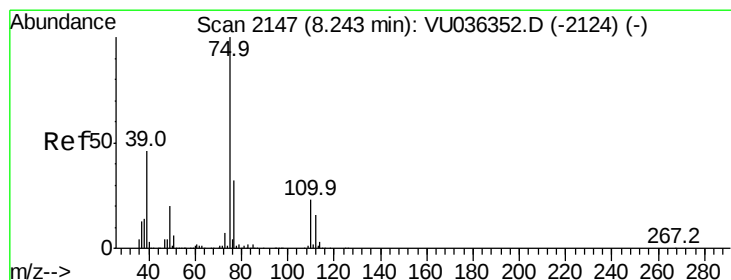
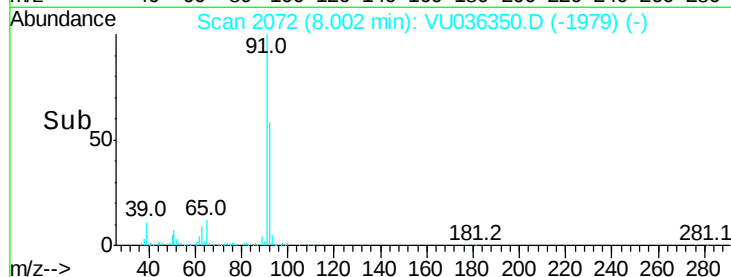
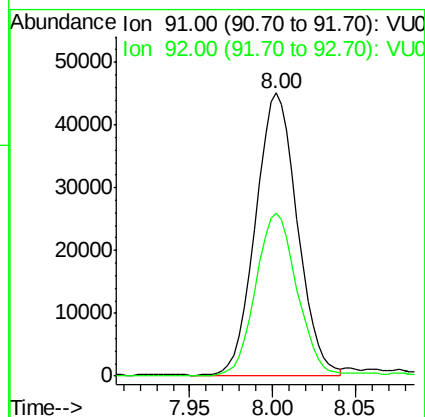
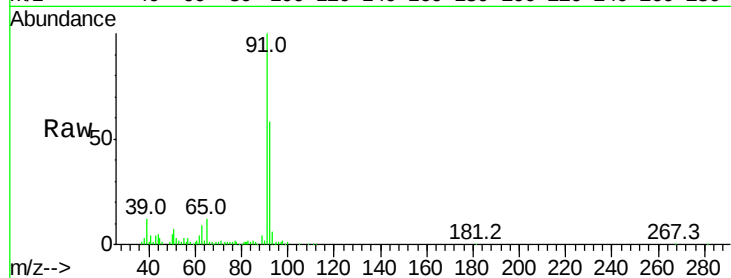
VSTD00532

Tgt Ion: 91 Resp: 78786

Ion Ratio Lower Upper

91 100

92 57.5 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 6.754 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036350.D

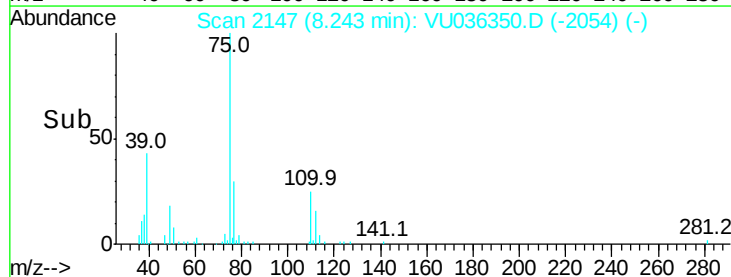
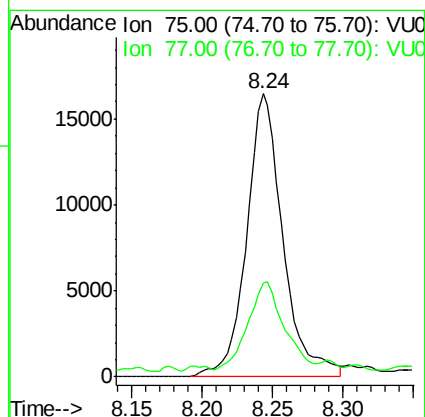
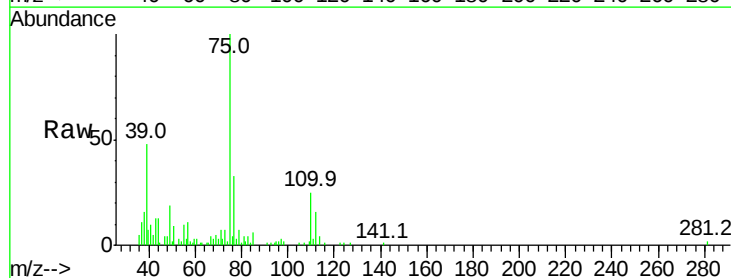
Acq: 27 Dec 2019 12:16

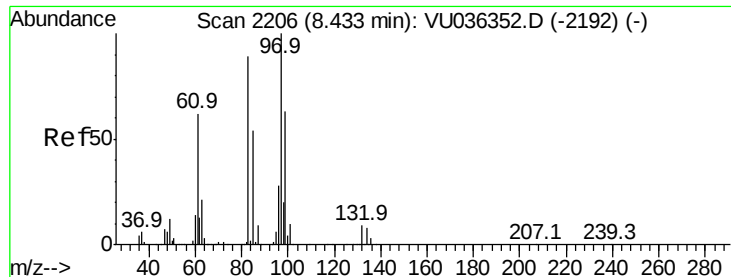
Tgt Ion: 75 Resp: 29728

Ion Ratio Lower Upper

75 100

77 33.0 22.5 41.9

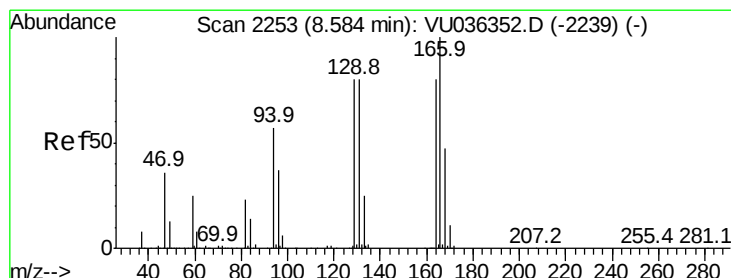
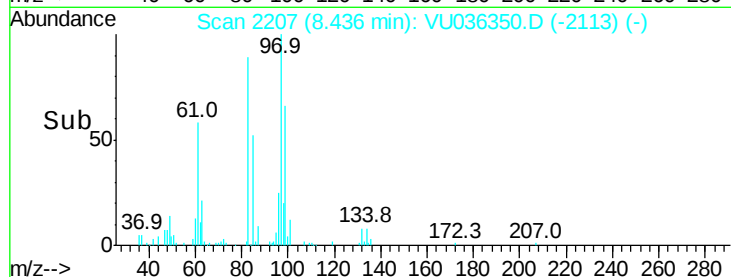
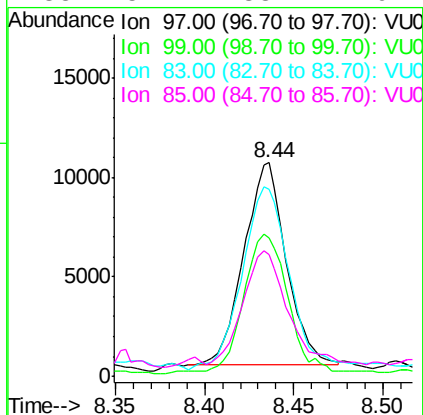
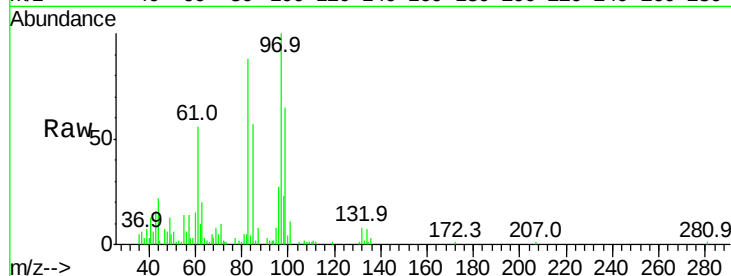




#45
 1,1,2-Trichloroethane
 Concen: 5.401 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU036350.D
 Acq: 27 Dec 2019 12:16

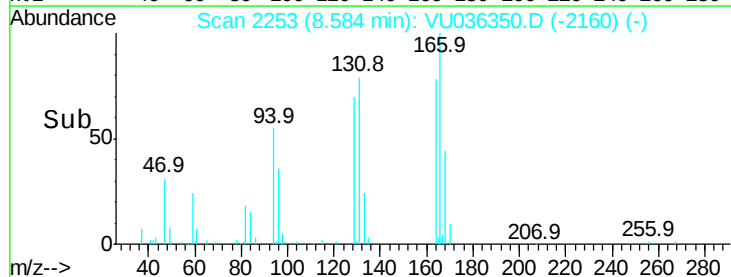
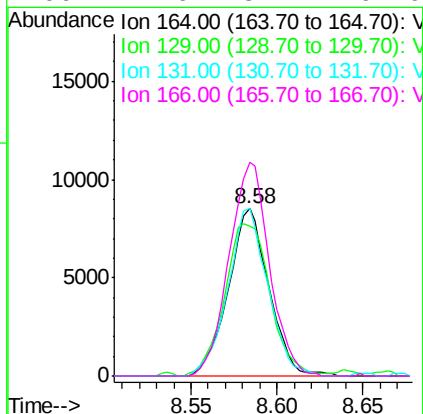
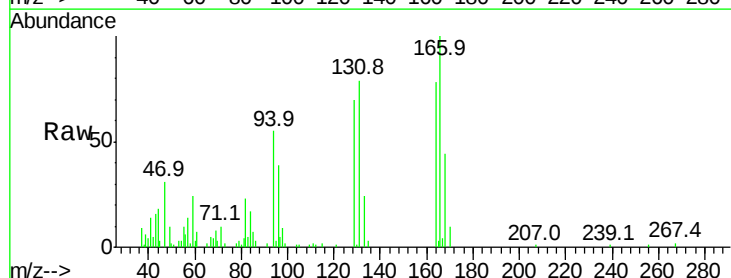
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

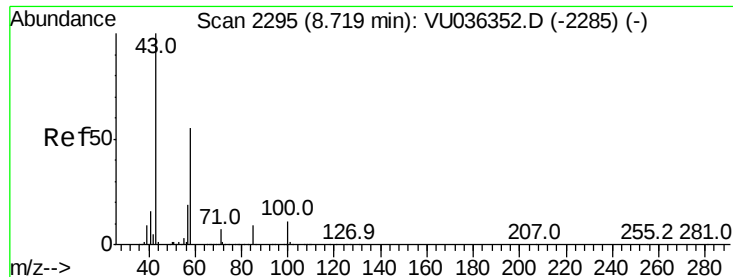
Tgt Ion:	97	Resp:	16920
Ion	Ratio	Lower	Upper
97	100		
99	64.9	44.2	82.2
83	87.8	62.5	116.1
85	57.2	38.1	70.7



#46
 Tetrachloroethene
 Concen: 5.290 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU036350.D
 Acq: 27 Dec 2019 12:16

Tgt Ion:	164	Resp:	13958
Ion	Ratio	Lower	Upper
164	100		
129	89.7	70.0	130.0
131	100.6	70.1	130.1
166	127.6	87.2	161.9

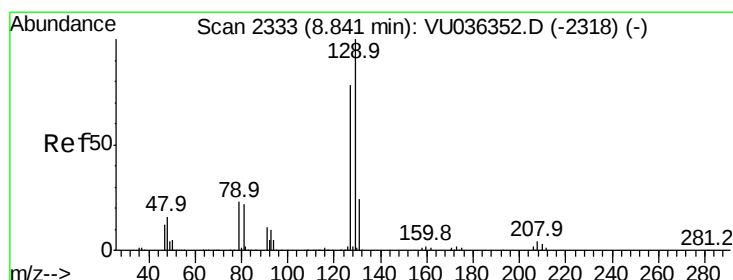
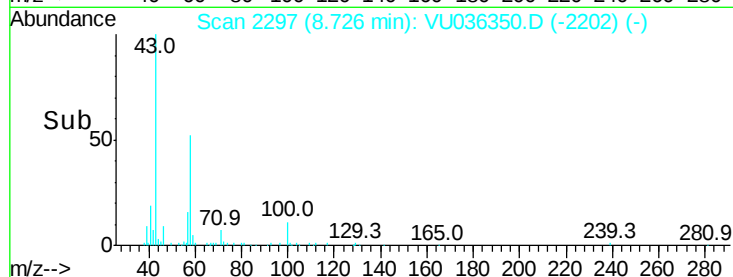
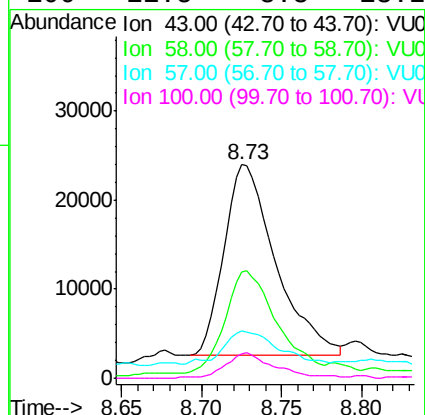
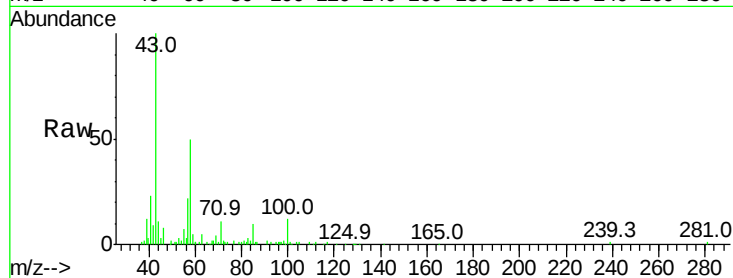




#48
2-Hexanone
Concen: 13.988 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.01 min
Lab File: VU036350.D
Acq: 27 Dec 2019 12:16

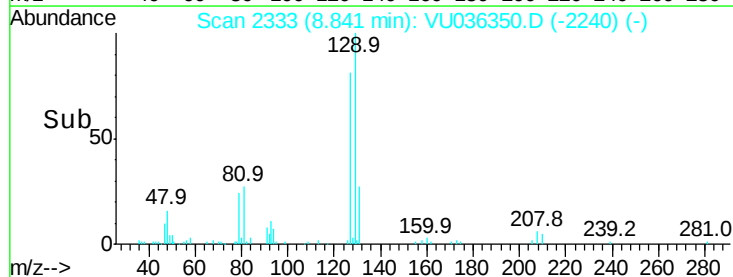
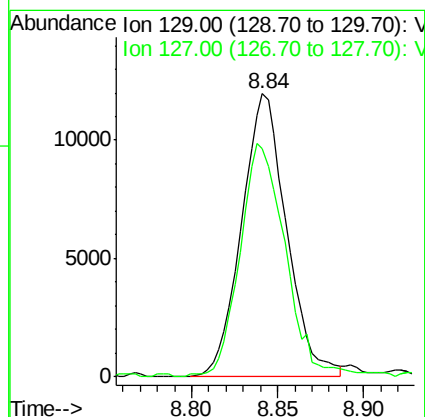
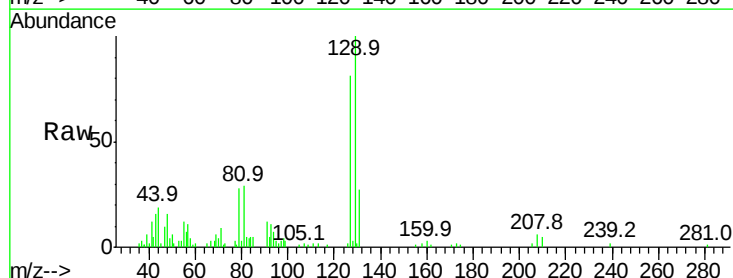
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

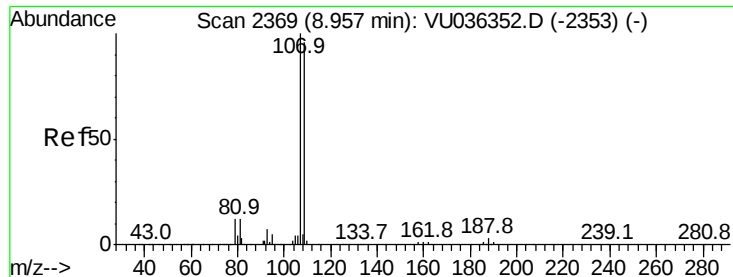
Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.6	42.2	63.4
57	14.2	14.8	22.2
100	11.5	8.8	13.2



#49
Dibromochloromethane
Concen: 6.016 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036350.D
Acq: 27 Dec 2019 12:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.5	54.8	101.8

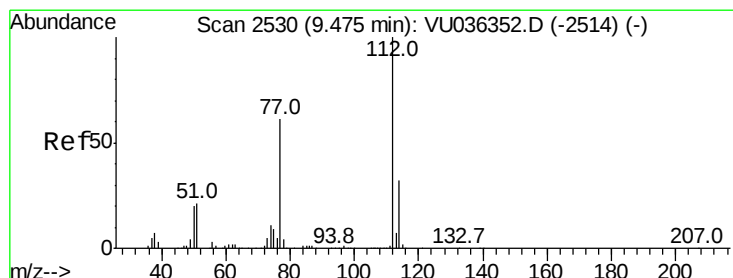
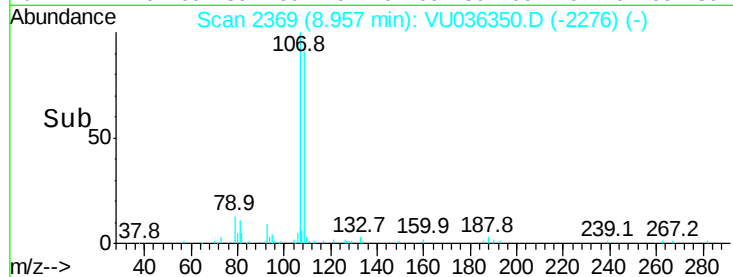
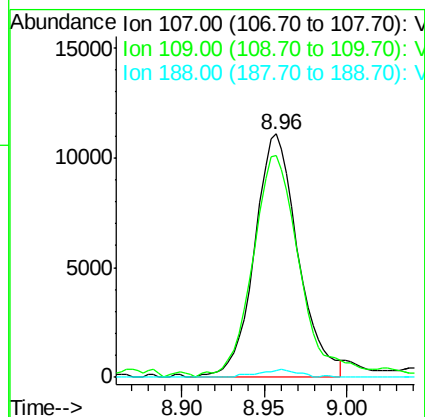
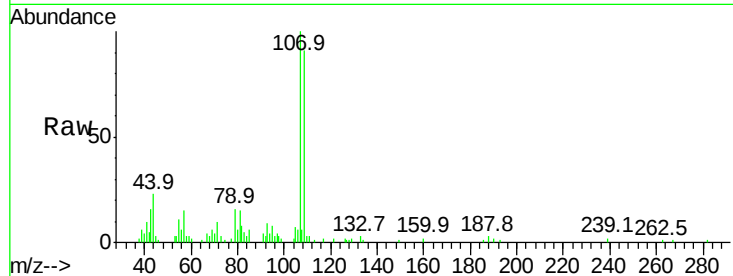




#50
1,2-Dibromoethane
Concen: 6.010 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU036350.D
Acq: 27 Dec 2019 12:16

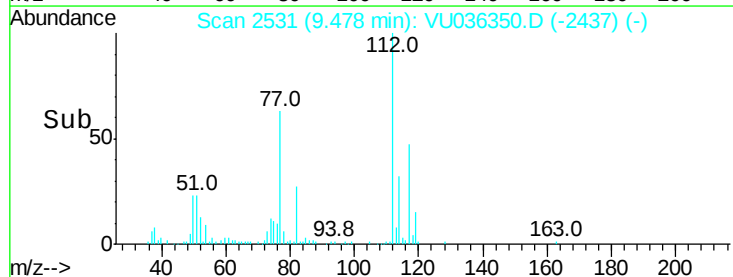
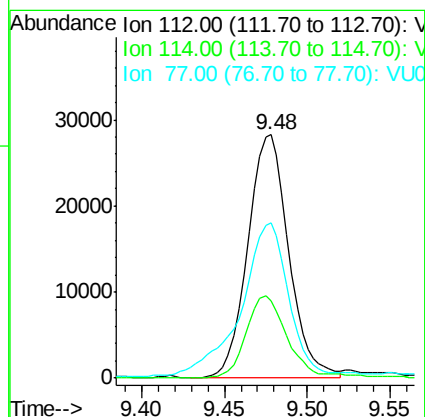
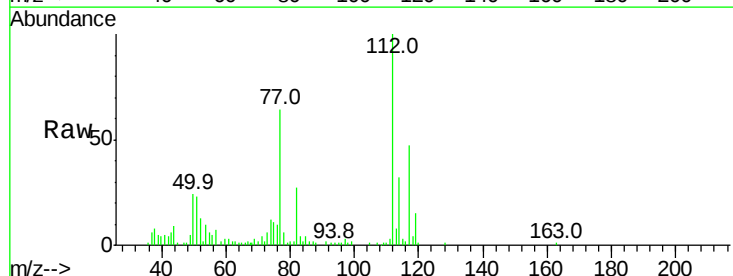
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

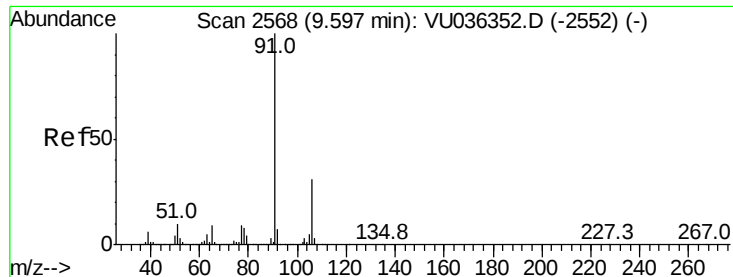
Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.2	67.3	124.9
188	3.0	2.6	3.8



#51
Chlorobenzene
Concen: 5.673 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036350.D
Acq: 27 Dec 2019 12:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.5	41.7
77	63.8	48.7	73.1





#52

Ethylbenzene

Concen: 6.652 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

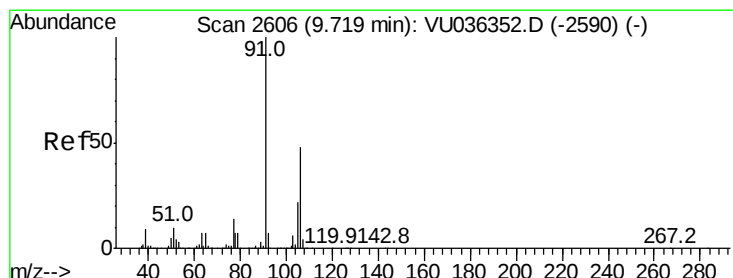
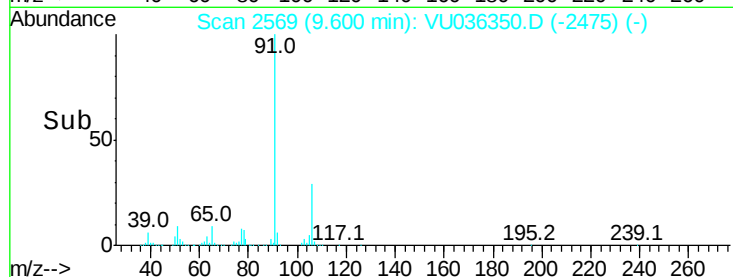
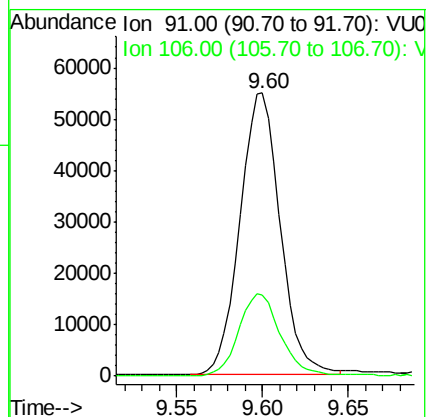
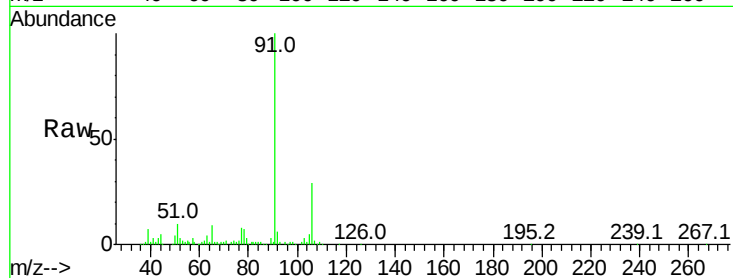
VSTD00532

Tgt Ion: 91 Resp: 89583

Ion Ratio Lower Upper

91 100

106 28.7 22.0 40.8



#53

m,p-Xylene

Concen: 6.303 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036350.D

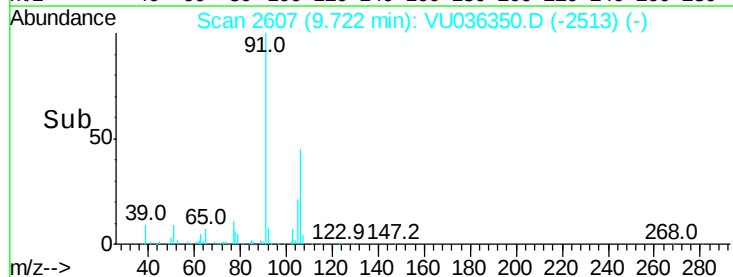
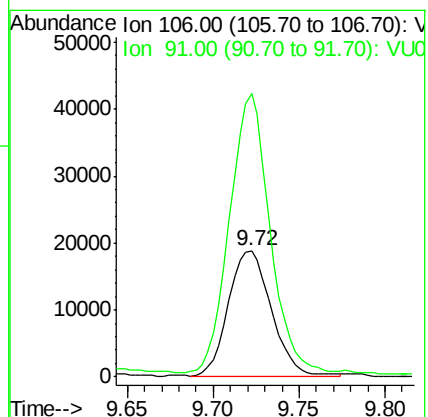
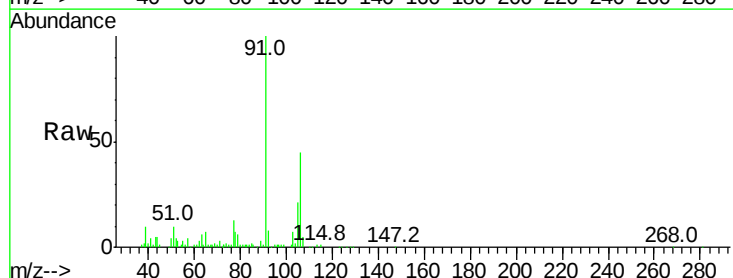
Acq: 27 Dec 2019 12:16

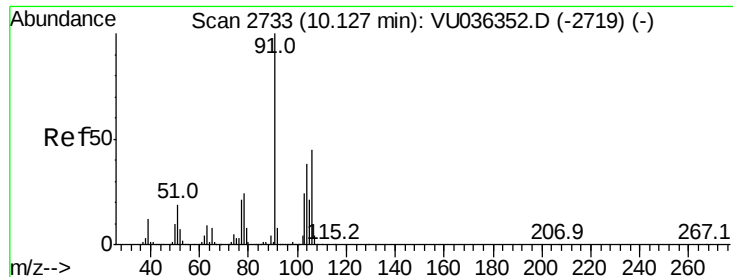
Tgt Ion: 106 Resp: 32785

Ion Ratio Lower Upper

106 100

91 224.6 146.8 272.6





#54

o-xylene

Concen: 6.583 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

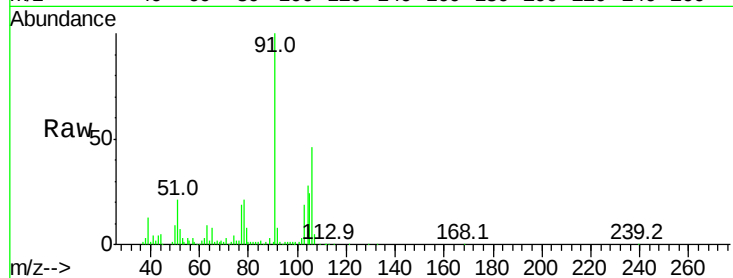
VSTD00532

Tgt Ion:106 Resp: 33056

Ion Ratio Lower Upper

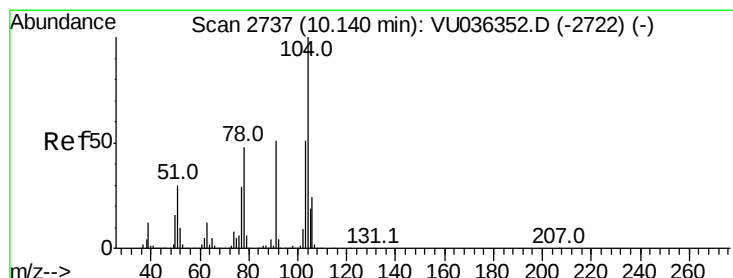
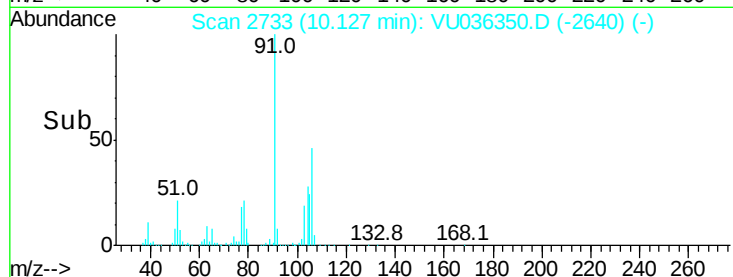
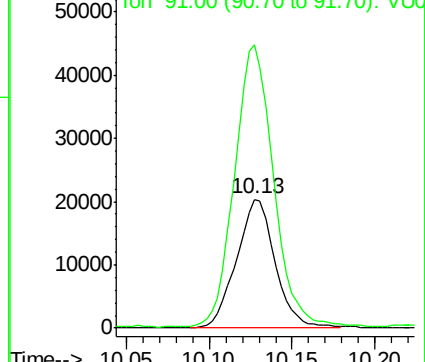
106 100

91 219.3 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 6.117 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036350.D

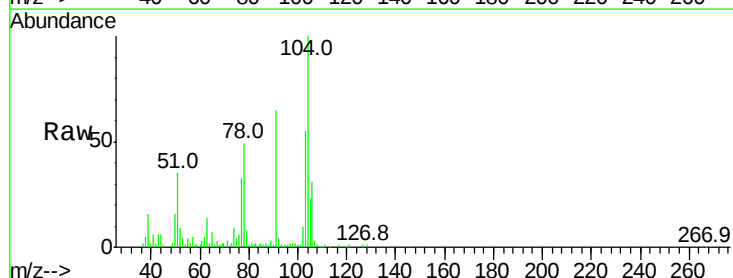
Acq: 27 Dec 2019 12:16

Tgt Ion:104 Resp: 53328

Ion Ratio Lower Upper

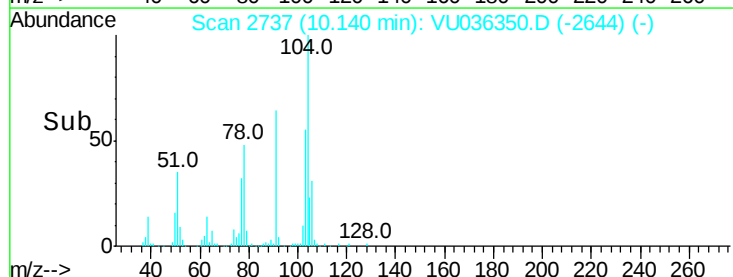
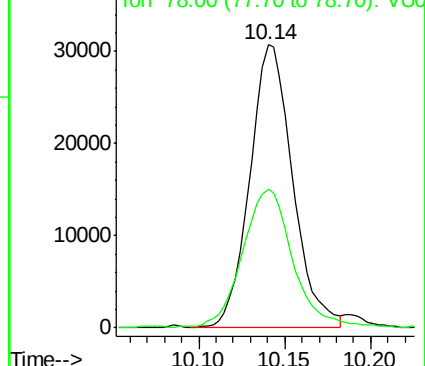
104 100

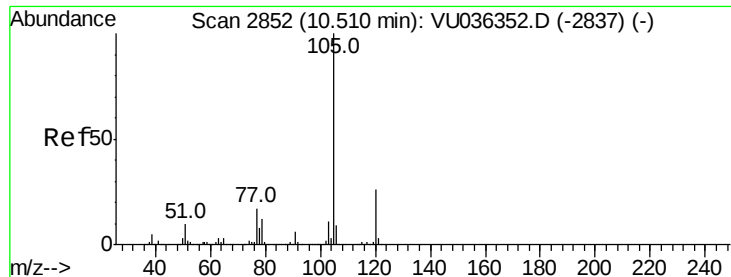
78 48.8 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 6.641 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

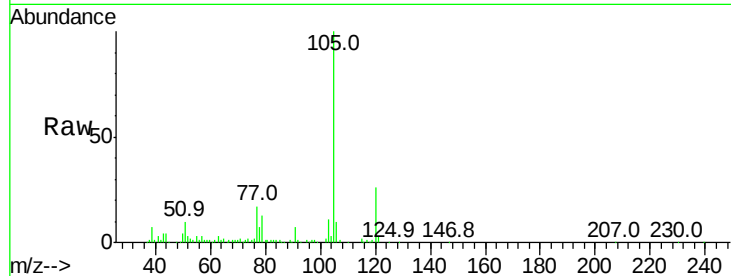
Tgt Ion:105 Resp: 86363

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.4

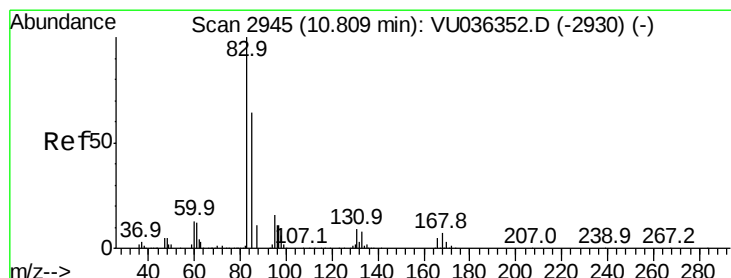
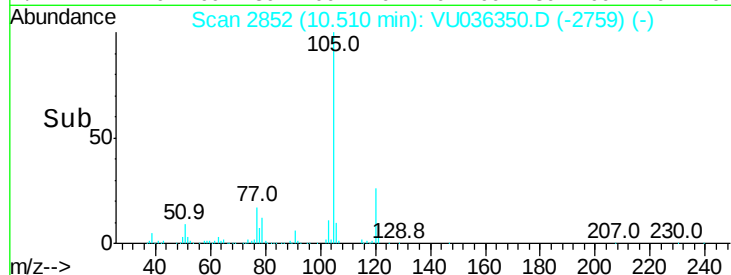
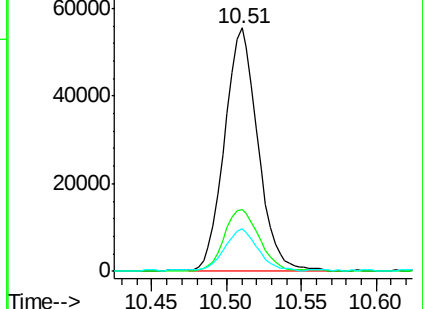
77 16.5 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 6.196 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

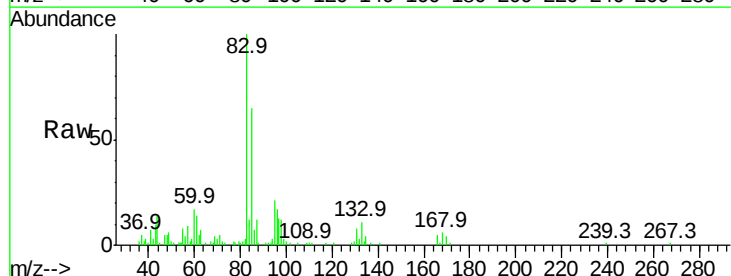
Tgt Ion: 83 Resp: 33853

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

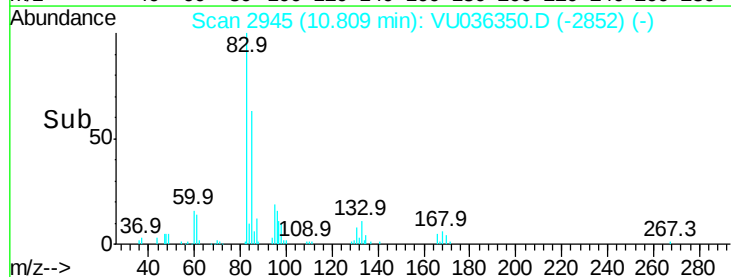
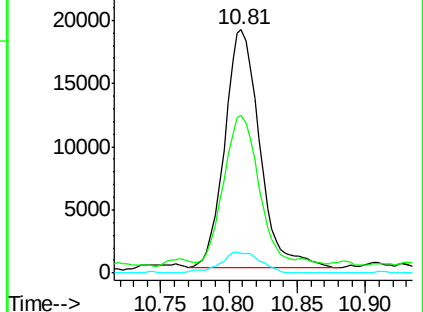
131 8.1 7.5 11.3

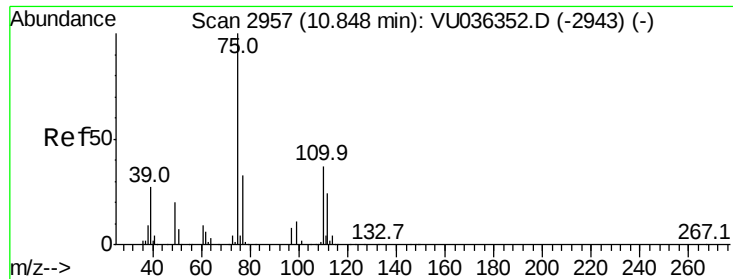


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 6.143 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

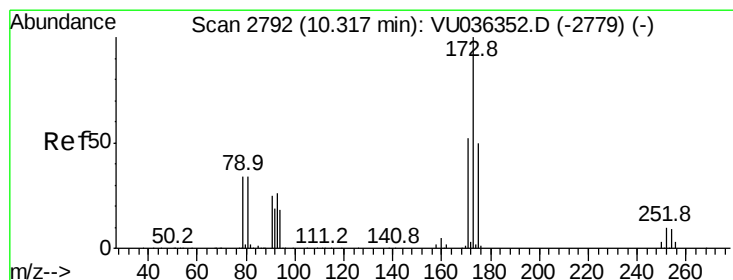
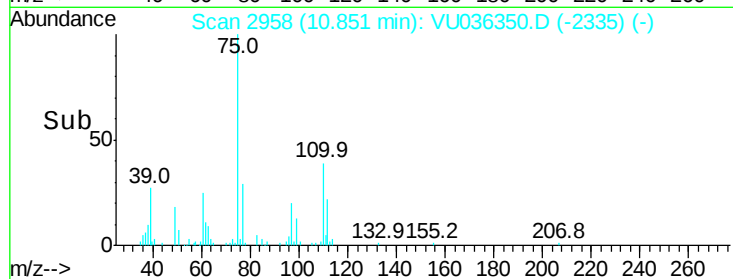
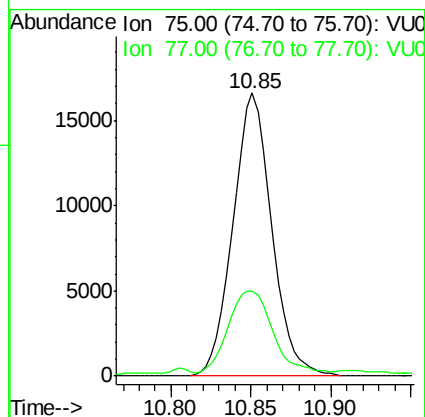
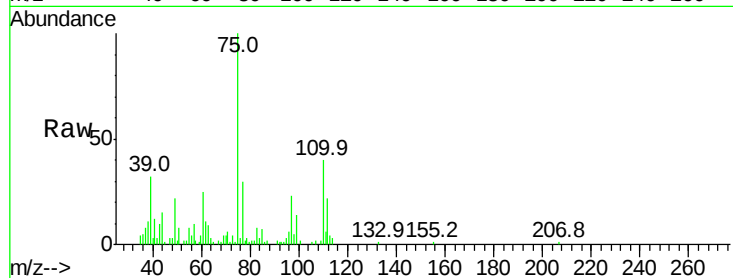
VSTD00532

Tgt Ion: 75 Resp: 27404

Ion Ratio Lower Upper

75 100

77 33.4 26.3 39.5



#61

Bromoform

Concen: 6.779 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

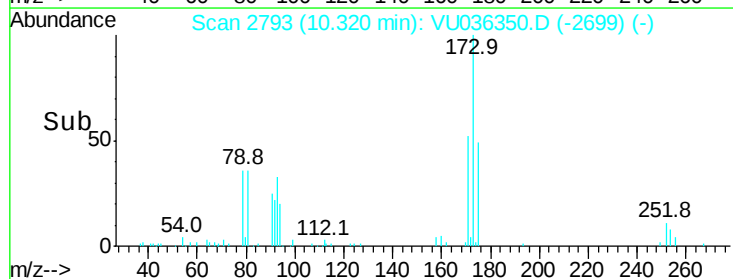
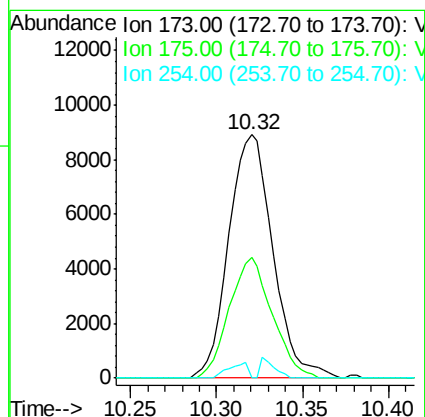
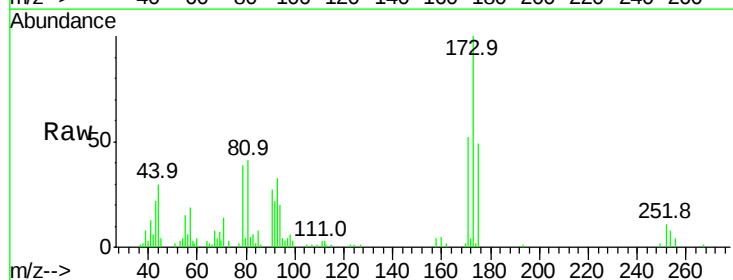
Tgt Ion: 173 Resp: 15924

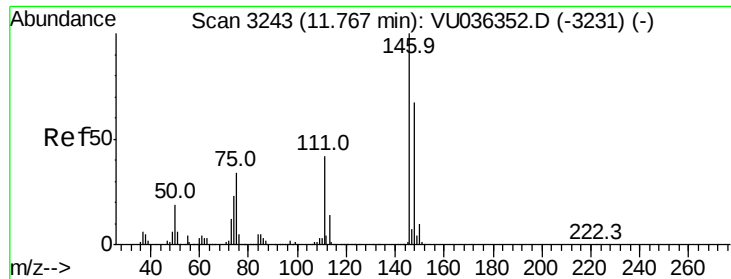
Ion Ratio Lower Upper

173 100

175 48.0 38.7 58.1

254 2.8 6.9 10.3#

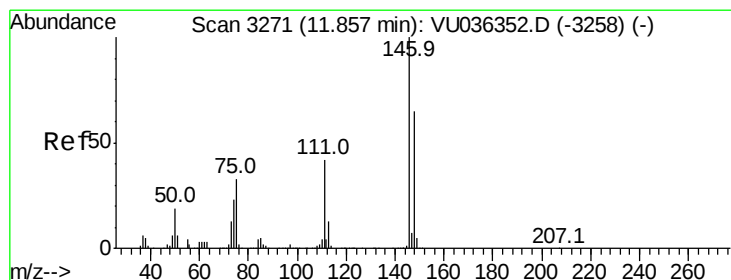
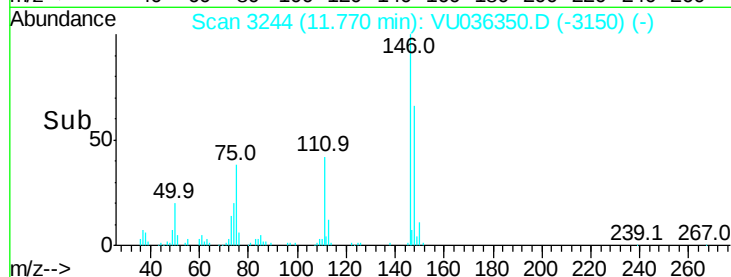
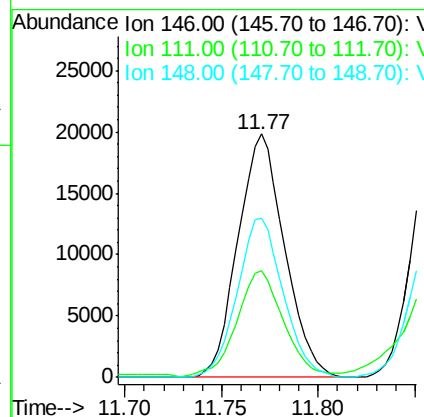
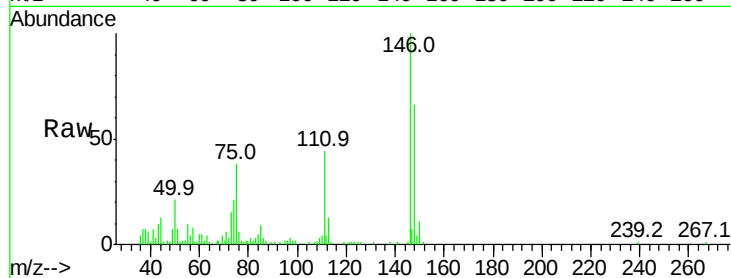




#62
 1,3-Dichlorobenzene
 Concen: 6.169 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU036350.D
 Acq: 27 Dec 2019 12:16

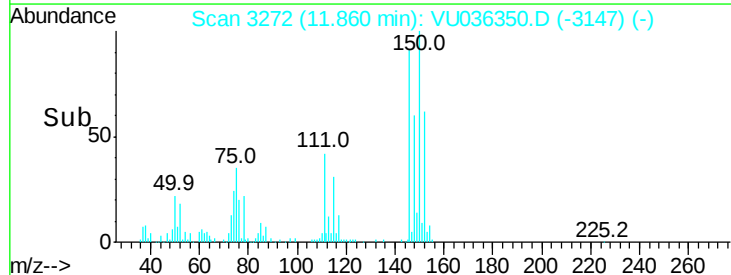
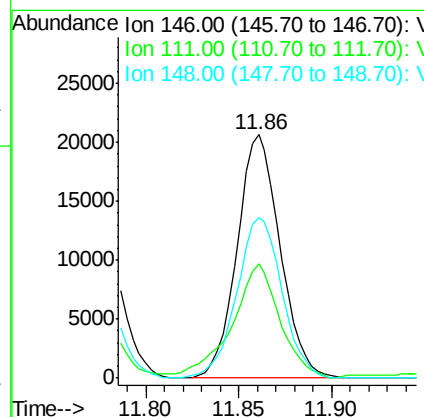
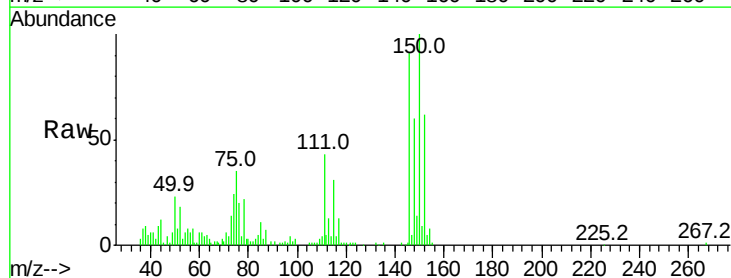
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

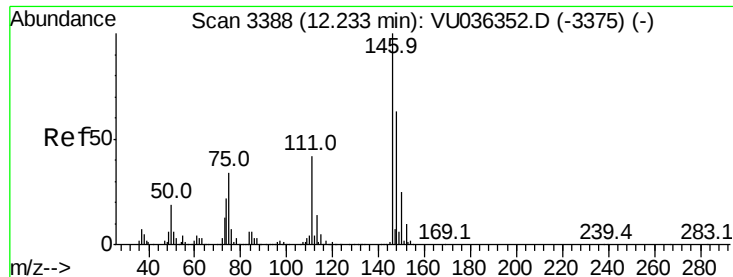
Tgt Ion:146 Resp: 33223
 Ion Ratio Lower Upper
 146 100
 111 43.5 29.1 54.1
 148 65.6 46.9 87.1



#63
 1,4-Dichlorobenzene
 Concen: 6.024 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU036350.D
 Acq: 27 Dec 2019 12:16

Tgt Ion:146 Resp: 33330
 Ion Ratio Lower Upper
 146 100
 111 46.9 29.7 55.1
 148 66.1 45.6 84.6





#65

1,2-Dichlorobenzene

Concen: 6.101 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

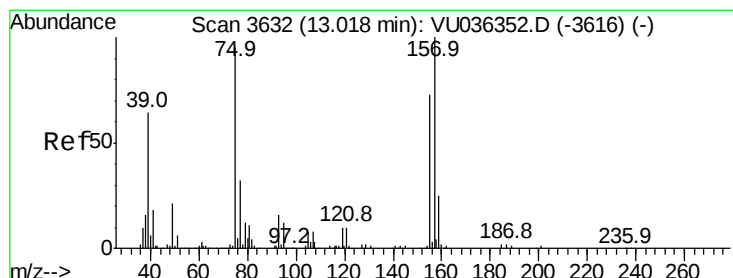
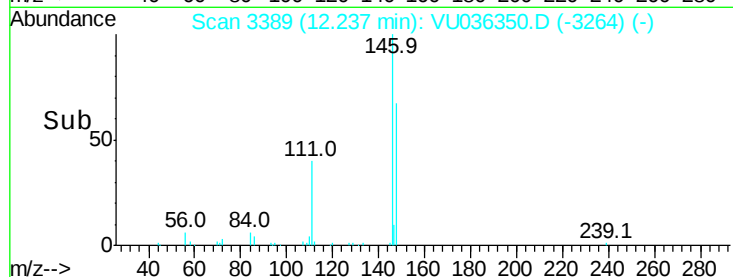
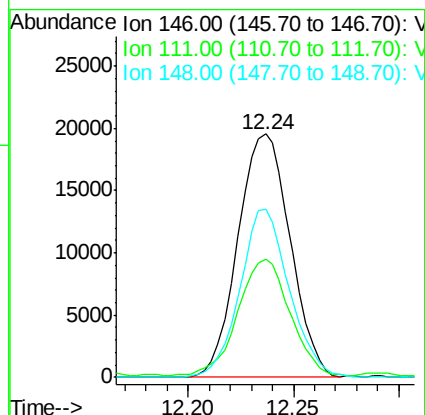
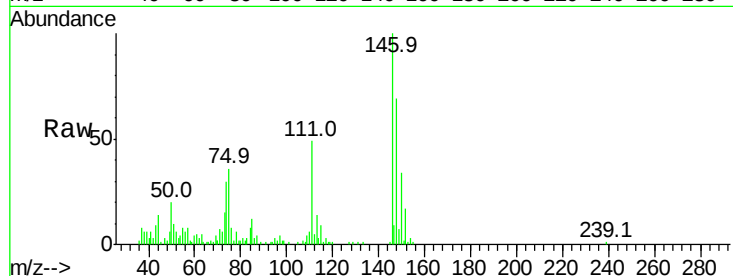
Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

Tgt Ion:	146	Resp:	33630
Ion	Ratio	Lower	Upper
146	100		
111	48.6	33.4	50.2
148	69.2	50.7	76.1



#66

1,2-Dibromo-3-chloropropane

Concen: 8.545 ug/L

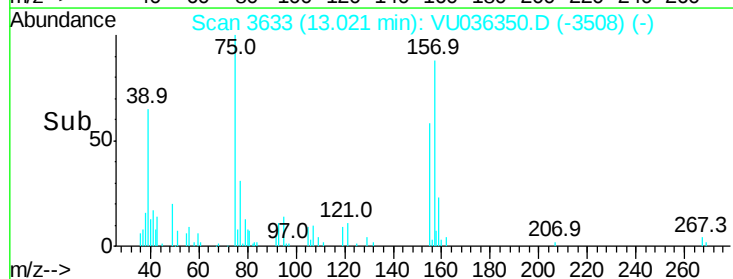
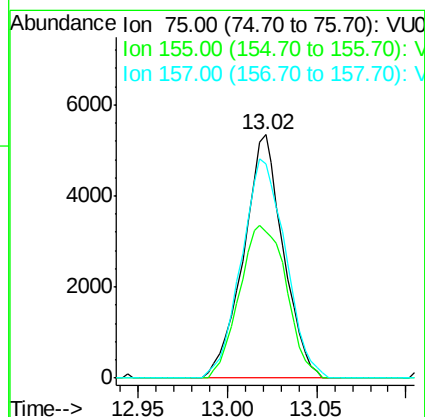
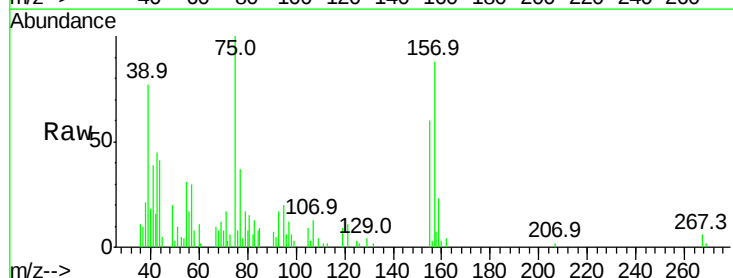
RT: 13.02 min Scan# 3633

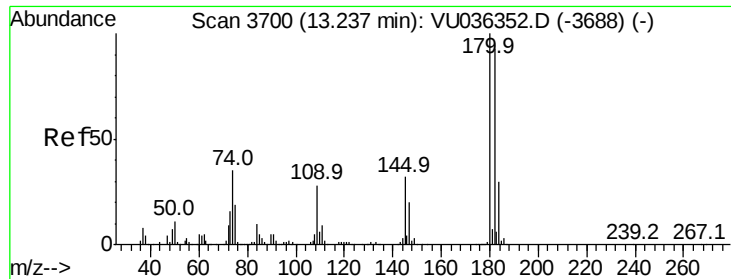
Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Tgt Ion:	75	Resp:	8316
Ion	Ratio	Lower	Upper
75	100		
155	59.9	61.8	92.6#
157	88.1	84.2	126.2

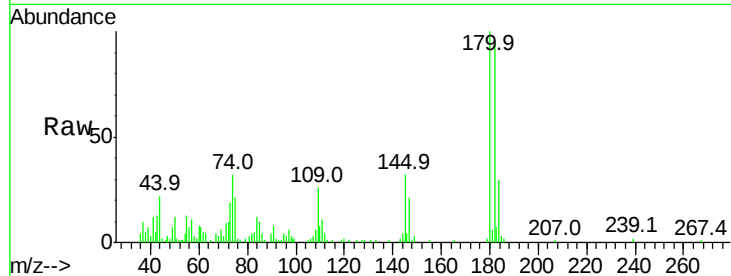




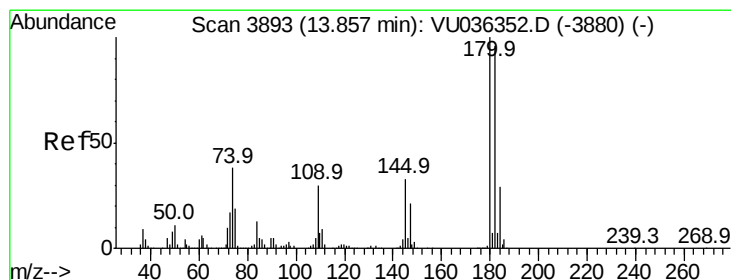
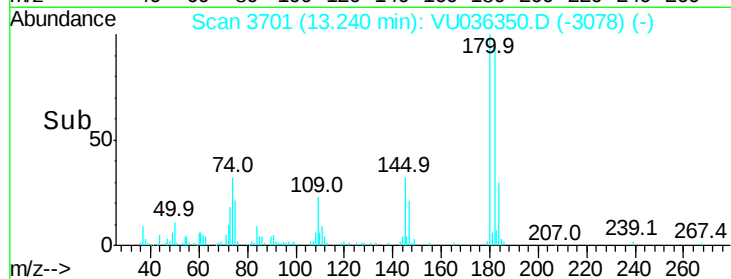
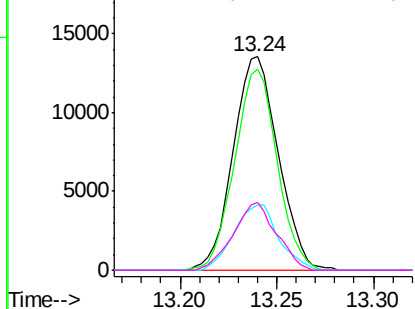
#67
 1,3,5-Trichlorobenzene
 Concen: 5.687 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036350.D
 Acq: 27 Dec 2019 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

Tgt Ion:180 Resp: 21982
 Ion Ratio Lower Upper
 180 100
 182 88.8 74.6 112.0
 184 30.4 23.9 35.9
 145 30.2 25.4 38.2

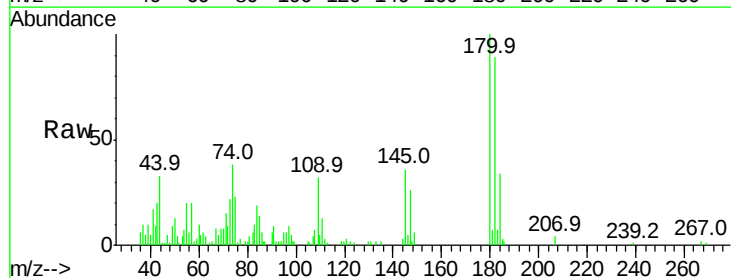


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

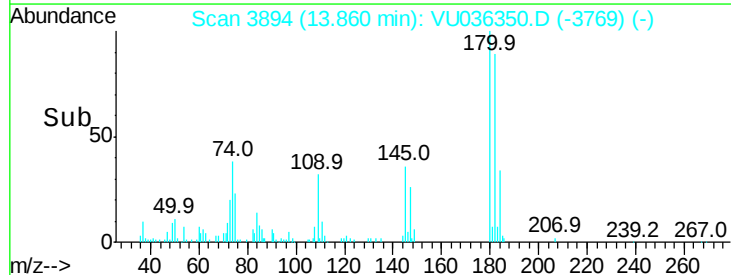
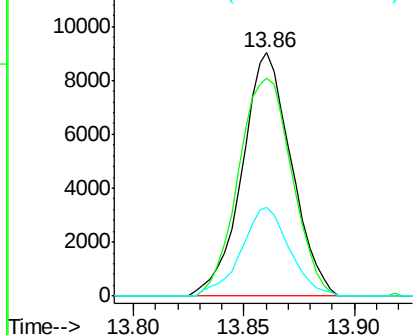


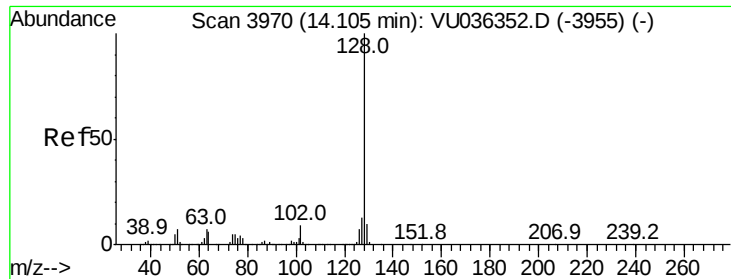
#68
 1,2,4-trichlorobenzene
 Concen: 4.930 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036350.D
 Acq: 27 Dec 2019 12:16

Tgt Ion:180 Resp: 13977
 Ion Ratio Lower Upper
 180 100
 182 96.9 78.0 117.0
 145 35.8 26.0 39.0



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





#69

Naphthalene

Concen: 5.724 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

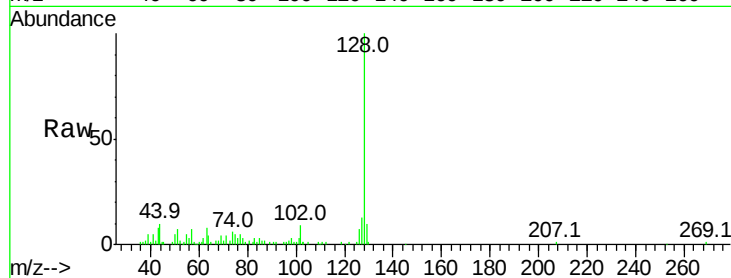
Tgt Ion:128 Resp: 43325

Ion Ratio Lower Upper

128 100

127 14.7 10.5 15.7

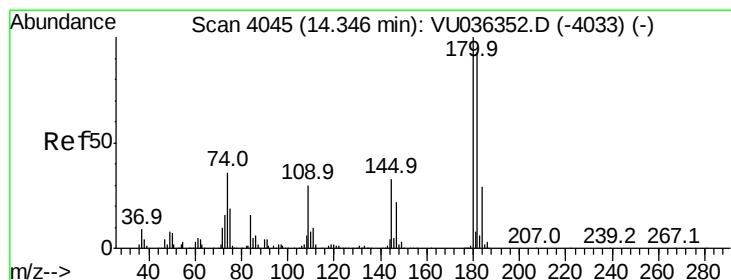
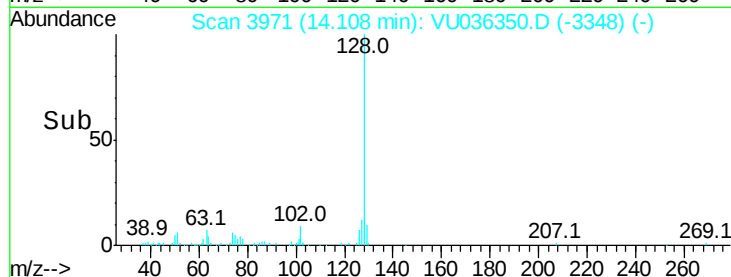
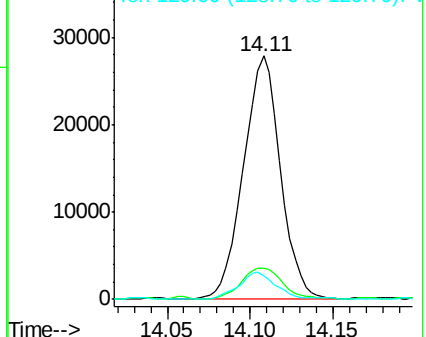
129 11.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.146 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036350.D

Acq: 27 Dec 2019 12:16

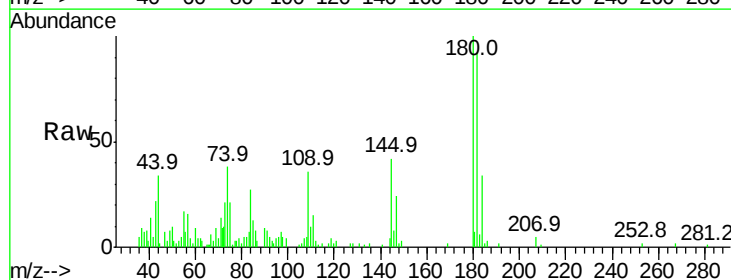
Tgt Ion:180 Resp: 15599

Ion Ratio Lower Upper

180 100

182 91.8 75.4 113.2

145 40.2 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

