

Data File : VU032568.D
Acq On : 10 Jun 2019 16:00
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

Quant Time: Jun 11 04:46:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 04:40:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	195974	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	188360	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102050	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	65631	51.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.24%
7) Chloroethane-d5	1.67	69	52570	51.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.90%
11) 1,1-Dichloroethene-d2	2.27	63	126910	50.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.96%
21) 2-Butanone-d5	4.17	46	114731	107.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.83%
24) Chloroform-d	4.64	84	125388	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.76%
26) 1,2-Dichloroethane-d4	5.30	65	77869	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.26%
32) Benzene-d6	5.33	84	249395	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.32	67	78322	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.16%
41) Toluene-d8	7.56	98	234046	50.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.96%
43) trans-1,3-Dichloropropene-	7.85	79	39071	53.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.50%
47) 2-Hexanone-d5	8.31	63	77253	103.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.87%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	113763	51.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	100298	51.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.62%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	87224	49.370 ug/L	99
3) Chloromethane	1.33	50	78448	45.952 ug/L	100
5) Vinyl chloride	1.40	62	80670	47.304 ug/L	98
6) Bromomethane	1.62	94	44284	43.575 ug/L	99
8) Chloroethane	1.69	64	46585	45.957 ug/L	98
9) Trichlorofluoromethane	1.88	101	114795	49.851 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	61743	51.555 ug/L	98
12) 1,1-Dichloroethene	2.28	96	58249	50.091 ug/L	92
13) Acetone	2.32	43	96896	88.257 ug/L	99
14) Carbon disulfide	2.47	76	169227	47.896 ug/L	99
15) Methyl Acetate	2.61	43	81236	51.825 ug/L	100
16) Methylene chloride	2.69	84	66893	50.414 ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	62848	49.875 ug/L	99
18) Methyl tert-butyl Ether	2.99	73	206813	49.957 ug/L	99
19) 1,1-Dichloroethane	3.44	63	118066	51.396 ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	71527	50.155 ug/L	98
22) 2-Butanone	4.25	43	128247	98.836 ug/L	100

Data File : VU032568.D
Acq On : 10 Jun 2019 16:00
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

Quant Time: Jun 11 04:46:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 04:40:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	37433	50.482	ug/L	98
25) Chloroform	4.67	83	121574	51.285	ug/L	99
27) 1,2-Dichloroethane	5.40	62	96424	51.453	ug/L	99
29) Cyclohexane	4.99	56	107981	48.196	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	106417	49.907	ug/L	99
31) Carbon tetrachloride	5.13	117	97964	50.127	ug/L	99
33) Benzene	5.38	78	258121	48.773	ug/L	100
34) Trichloroethene	6.18	95	73124	50.786	ug/L	99
35) Methylcyclohexane	6.41	83	112464	48.248	ug/L	99
37) 1,2-Dichloropropane	6.43	63	70200	50.039	ug/L	99
38) Bromodichloromethane	6.75	83	92067	50.966	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	108957	49.224	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	228307	101.156	ug/L	99
42) Toluene	7.63	91	288100	49.707	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	101512	51.669	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	66524	50.144	ug/L	97
46) Tetrachloroethene	8.22	164	58219	48.957	ug/L	98
48) 2-Hexanone	8.36	43	187437	101.112	ug/L	98
49) Dibromochloromethane	8.47	129	81058	52.566	ug/L	98
50) 1,2-Dibromoethane	8.58	107	74419	49.836	ug/L	99
51) Chlorobenzene	9.11	112	186192	49.862	ug/L	99
52) Ethylbenzene	9.24	91	314097	48.618	ug/L	100
53) m,p-Xylene	9.37	106	119407	48.606	ug/L	99
54) o-xylene	9.77	106	117583	48.207	ug/L	100
55) Styrene	9.79	104	203241	49.912	ug/L	99
56) Isopropylbenzene	10.16	105	313783	48.787	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	113441	50.031	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	90871	49.826	ug/L	98
61) Bromoform	9.95	173	63714	52.366	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	153203	49.621	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	152327	48.259	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	152195	48.758	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	28778	54.797	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	121704	50.666	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	111025	54.558	ug/L	99
69) Naphthalene	13.74	128	340960	53.118	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	112536	53.136	ug/L	99

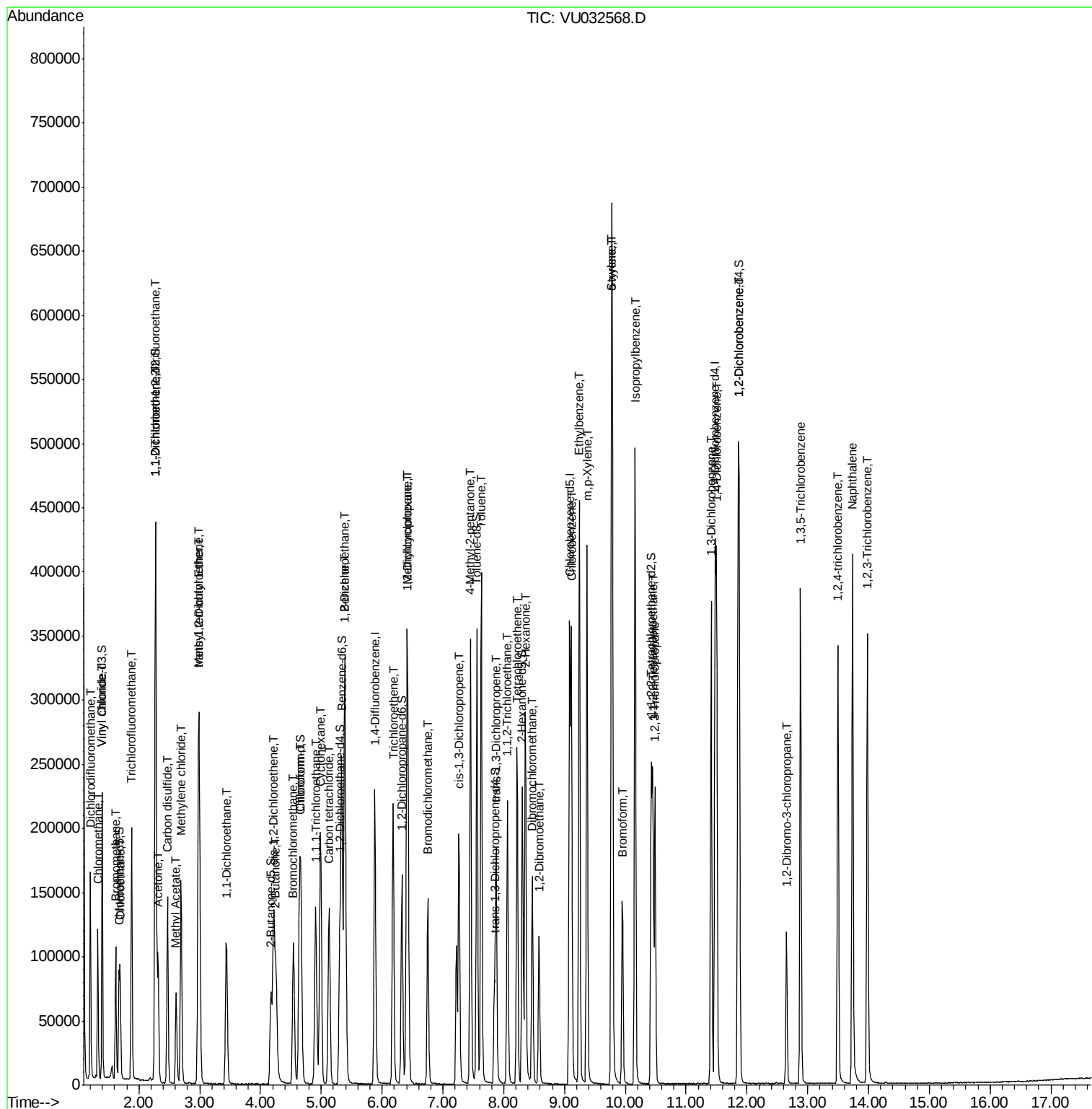
(#) = qualifier out of range (m) = manual integration (+) = signals summed

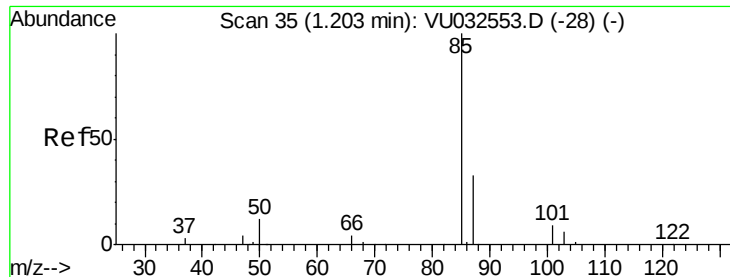
Data File : VU032568.D

```
Acq On       : 10 Jun 2019   16:00
Operator    : JC/SP
Sample      : VSTDCCC050
Misc        : 5.0mL/MSVOA_U/WATER
ALS Vial     : 17   Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

Quant Time: Jun 11 04:46:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 04:40:52 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 49.370 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

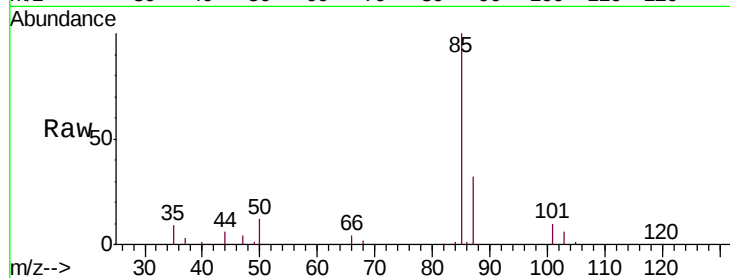
VSTD05041

Tgt Ion: 85 Resp: 87224

Ion Ratio Lower Upper

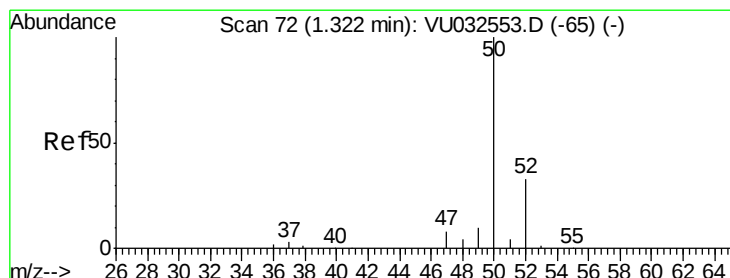
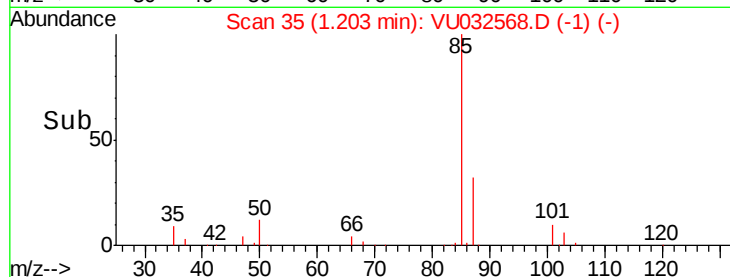
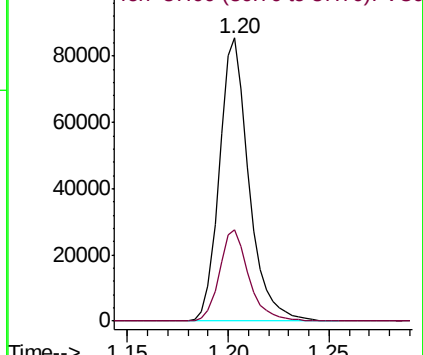
85 100

87 32.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032553.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032553.D (-28) (-)



#3

Chloromethane

Concen: 45.952 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032568.D

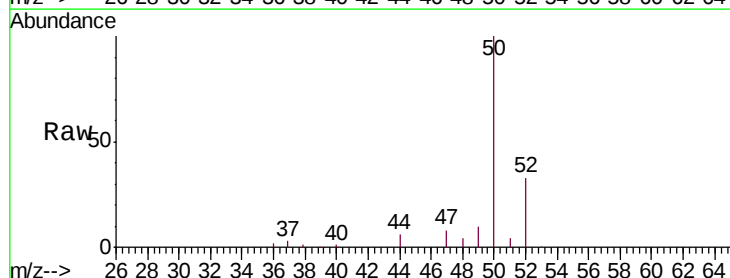
Acq: 10 Jun 2019 16:00

Tgt Ion: 50 Resp: 78448

Ion Ratio Lower Upper

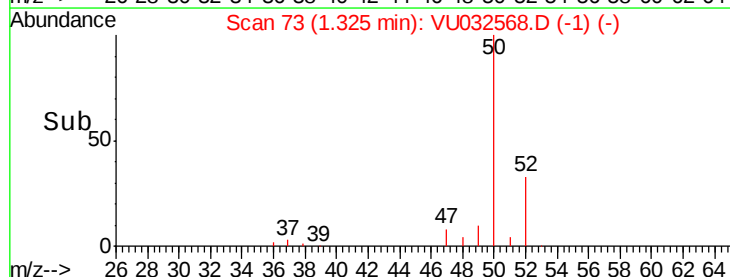
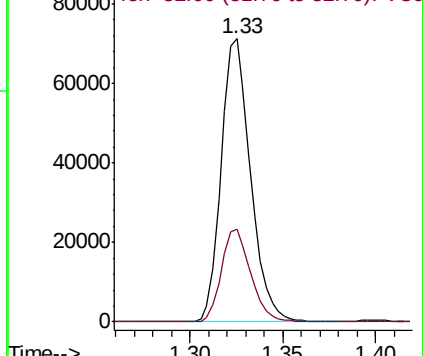
50 100

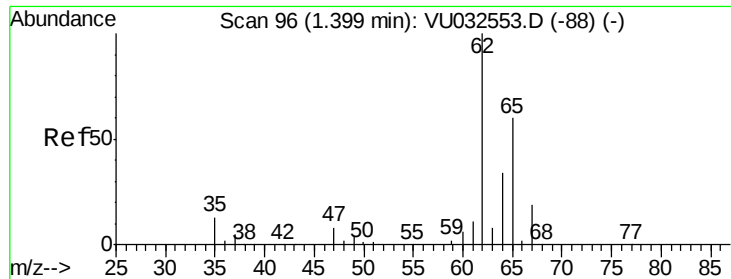
52 32.6 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032553.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU032553.D (-65) (-)





#5

Vinyl chloride

Concen: 47.304 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

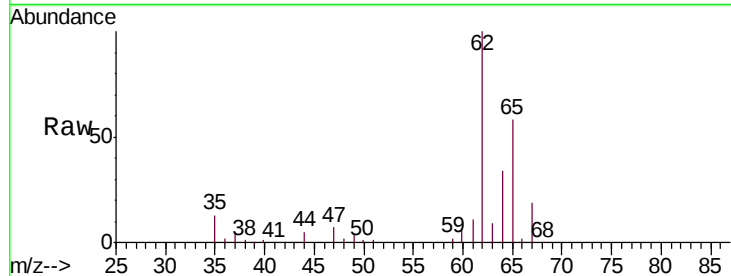
VSTD05041

Tgt Ion: 62 Resp: 80670

Ion Ratio Lower Upper

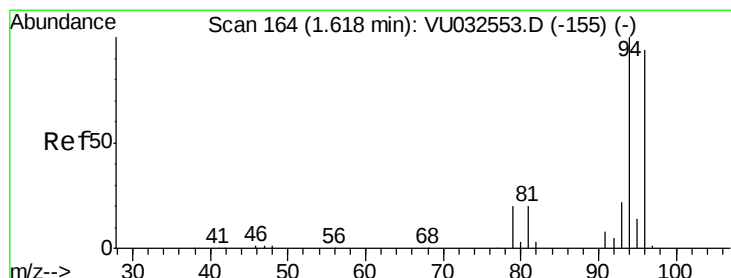
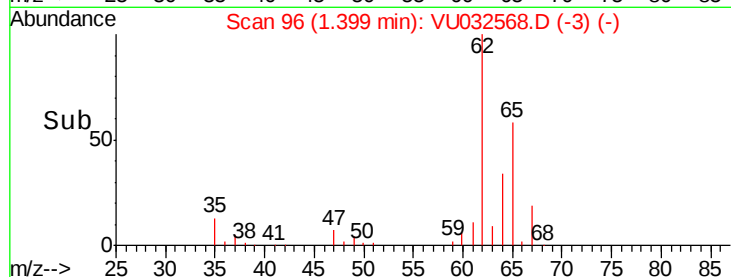
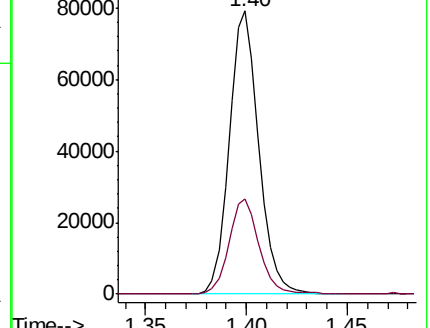
62 100

64 33.7 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032553.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032553.D (-88) (-)



#6

Bromomethane

Concen: 43.575 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU032568.D

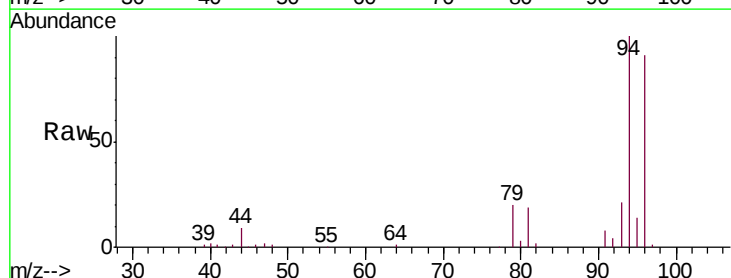
Acq: 10 Jun 2019 16:00

Tgt Ion: 94 Resp: 44284

Ion Ratio Lower Upper

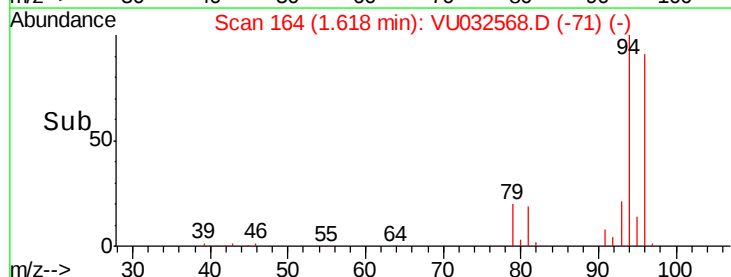
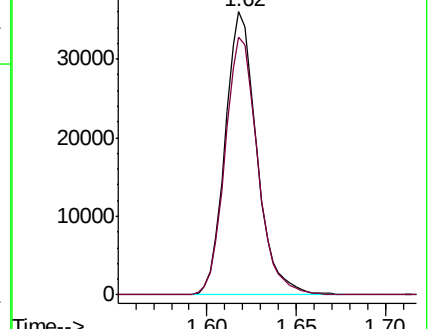
94 100

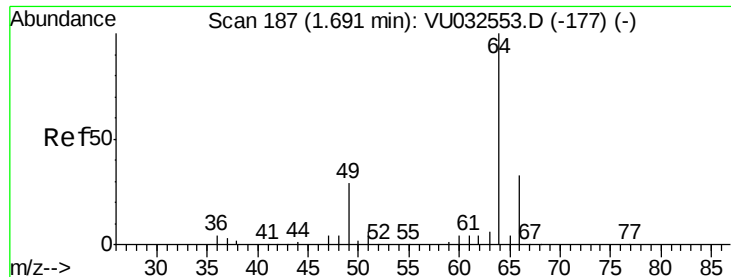
96 91.3 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032553.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU032553.D (-155) (-)





#8

Chloroethane

Concen: 45.957 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

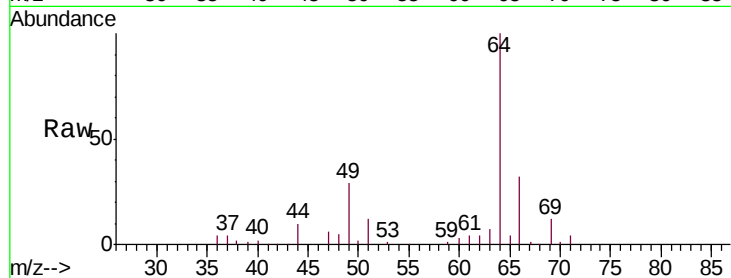
VSTD05041

Tgt Ion: 64 Resp: 46585

Ion Ratio Lower Upper

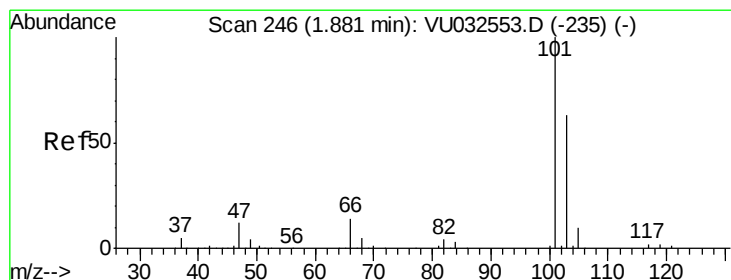
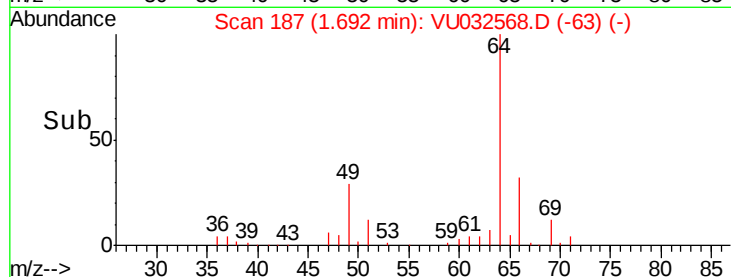
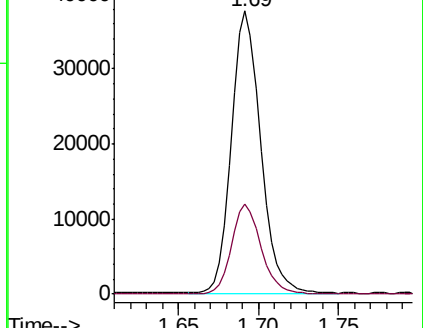
64 100

66 31.8 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU032553.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU032553.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 49.851 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032568.D

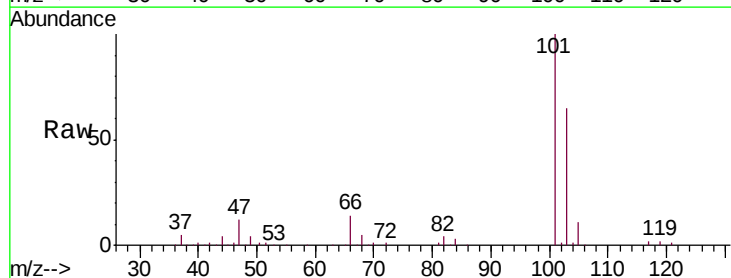
Acq: 10 Jun 2019 16:00

Tgt Ion: 101 Resp: 114795

Ion Ratio Lower Upper

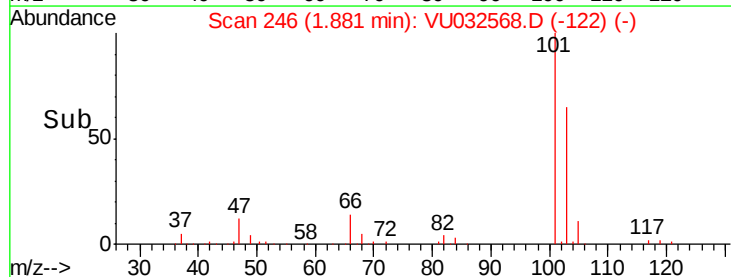
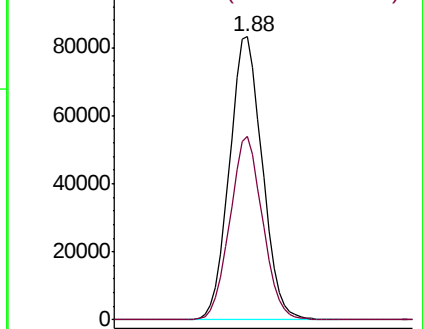
101 100

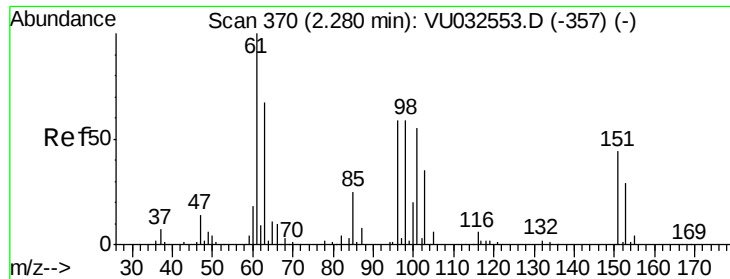
103 64.5 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU032553.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU032553.D (-235) (-)





#10

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

Concen: 51.555 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

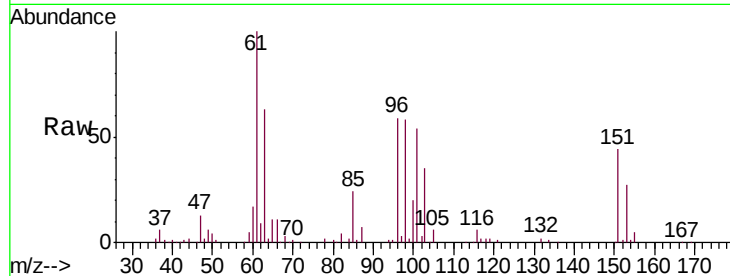
Tgt Ion:101 Resp: 61743

Ion Ratio Lower Upper

101 100

85 44.9 36.1 54.1

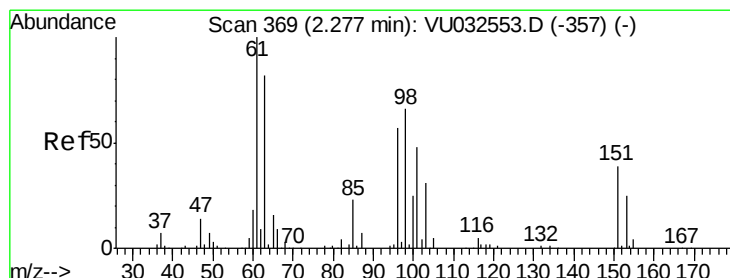
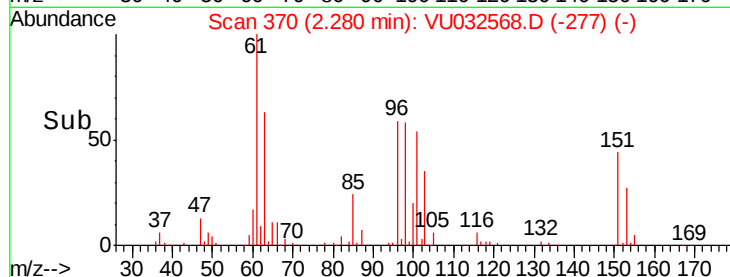
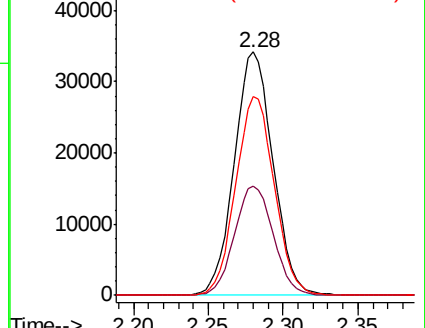
151 81.2 63.0 94.4



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: 50.091 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

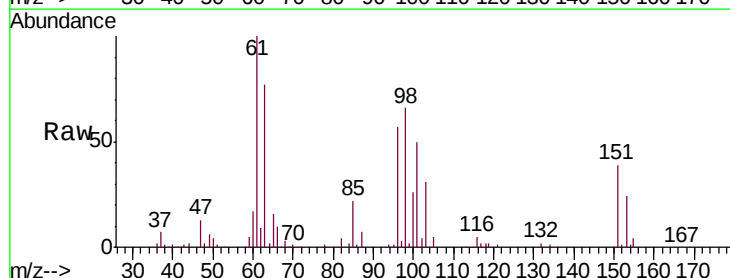
Tgt Ion: 96 Resp: 58249

Ion Ratio Lower Upper

96 100

61 175.1 129.5 240.5

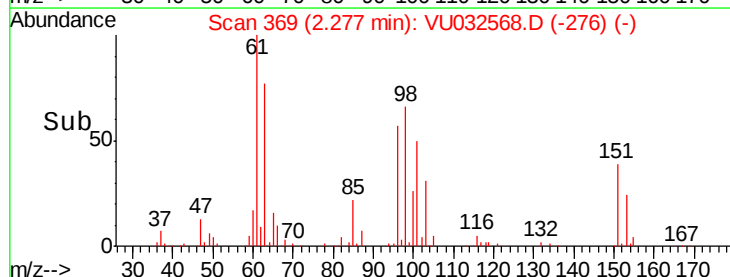
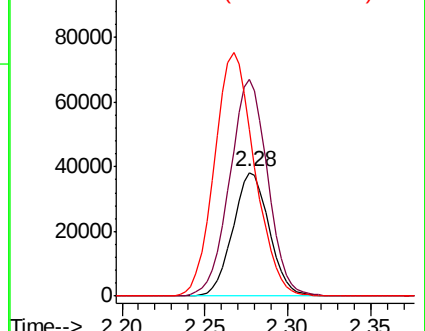
63 134.6 103.4 192.0

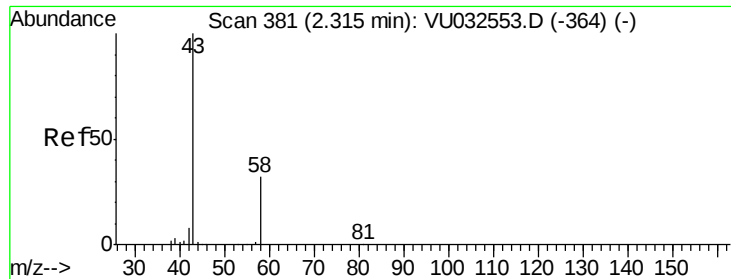


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 88.257 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

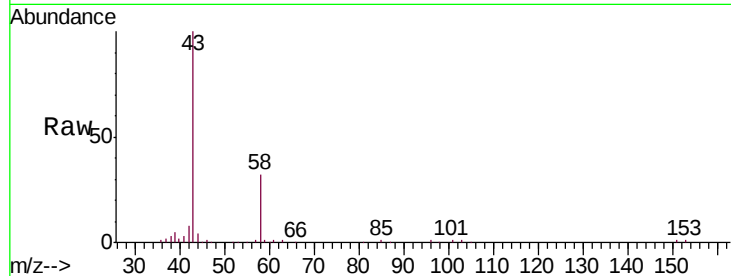
VSTD05041

Tgt Ion: 43 Resp: 96896

Ion Ratio Lower Upper

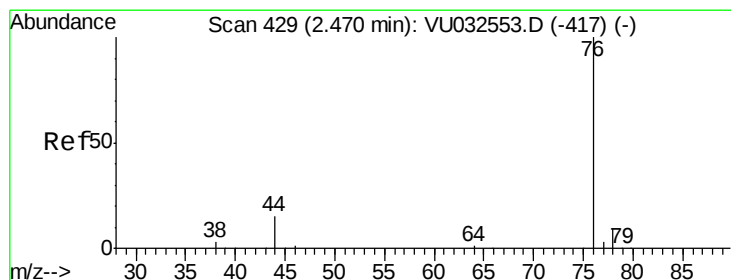
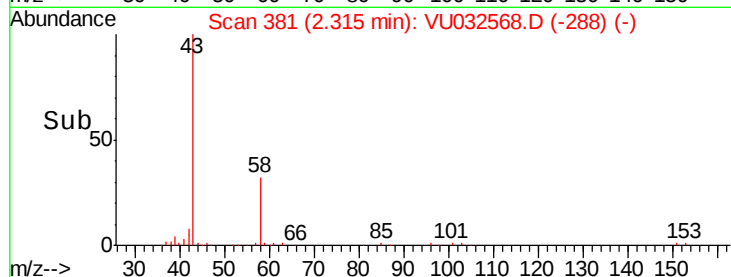
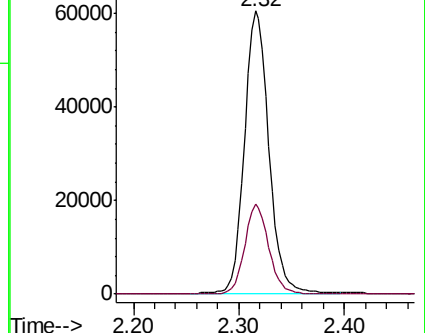
43 100

58 31.5 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032553.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU032553.D (-364) (-)



#14

Carbon disulfide

Concen: 47.896 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032568.D

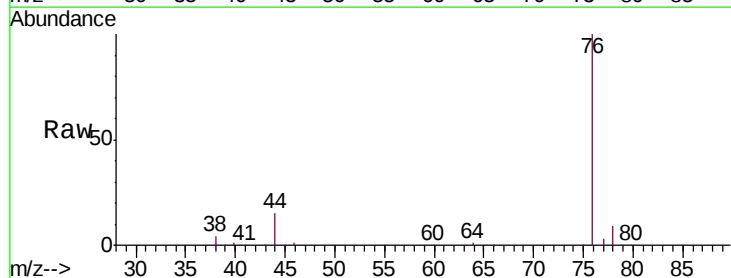
Acq: 10 Jun 2019 16:00

Tgt Ion: 76 Resp: 169227

Ion Ratio Lower Upper

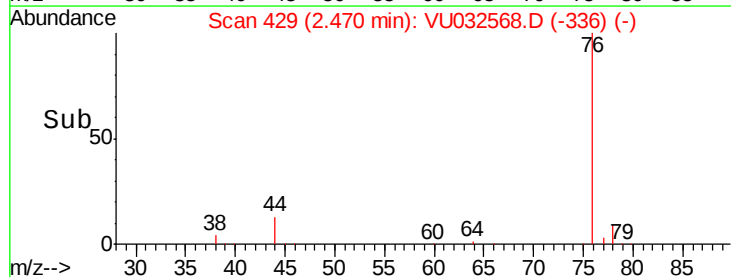
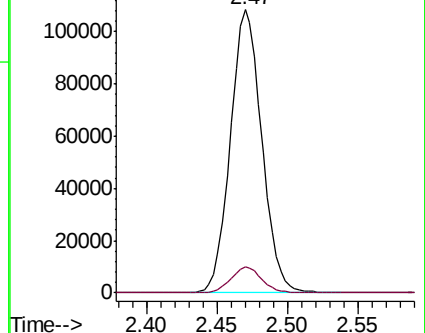
76 100

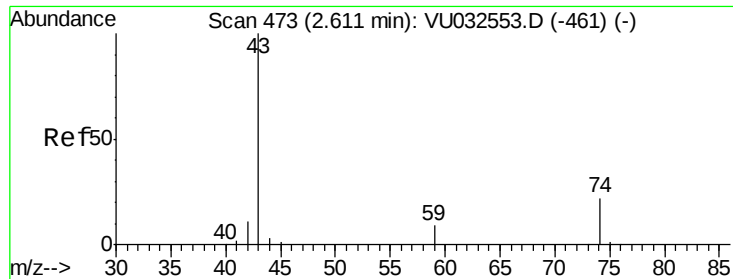
78 9.0 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU032553.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032553.D (-417) (-)

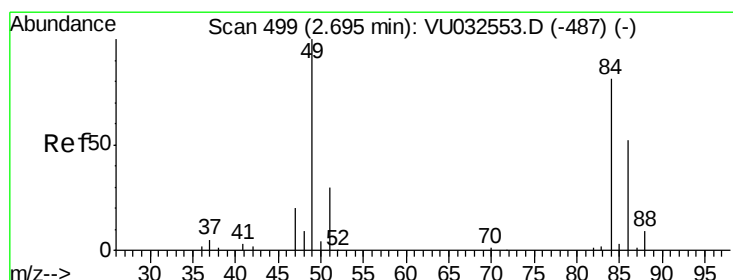
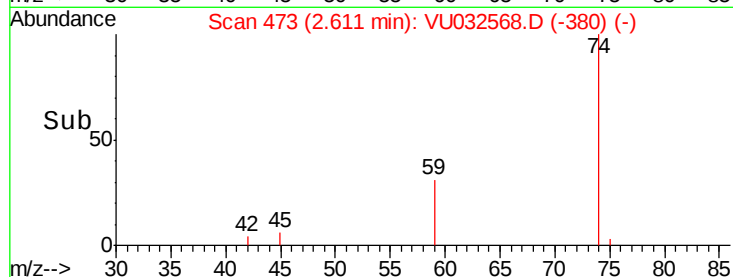
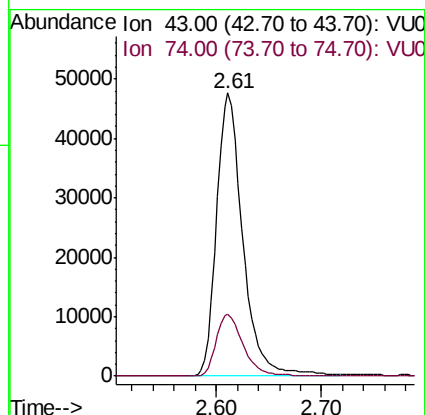
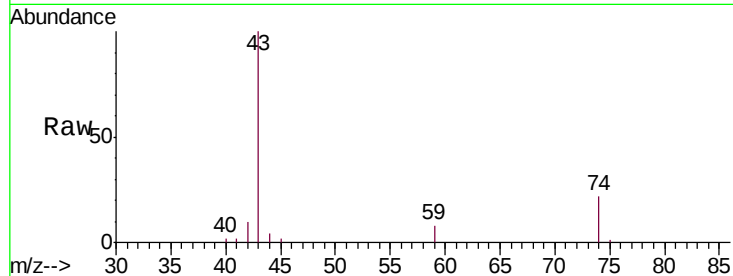




#15
Methyl Acetate
Concen: 51.825 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU032568.D
Acq: 10 Jun 2019 16:00

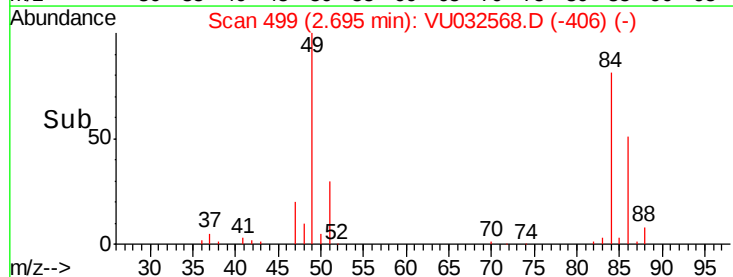
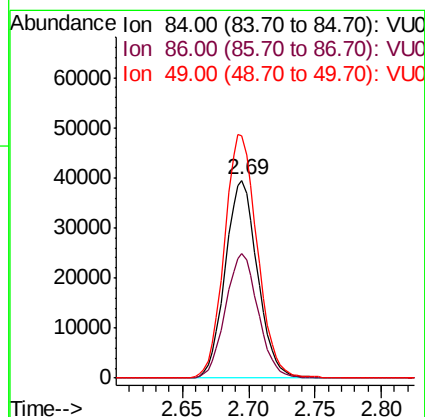
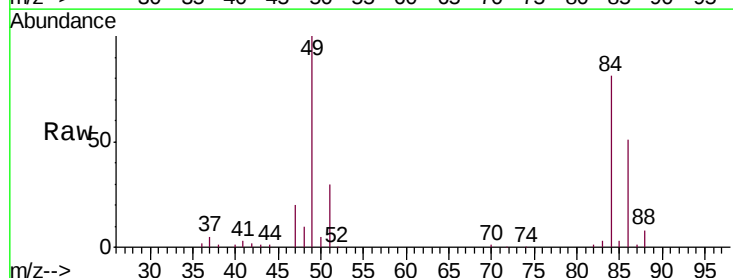
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

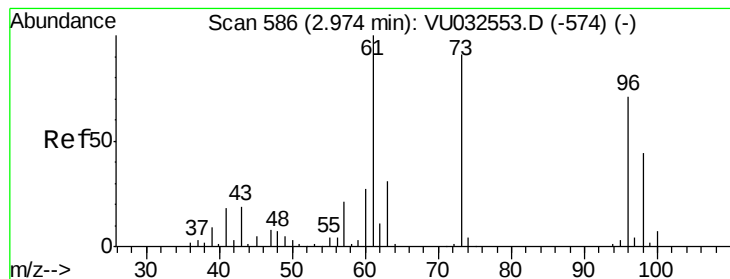
Tgt Ion: 43 Resp: 81236
Ion Ratio Lower Upper
43 100
74 22.7 18.0 27.0



#16
Methylene chloride
Concen: 50.414 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032568.D
Acq: 10 Jun 2019 16:00

Tgt Ion: 84 Resp: 66893
Ion Ratio Lower Upper
84 100
86 63.0 44.7 82.9
49 122.9 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 49.875 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

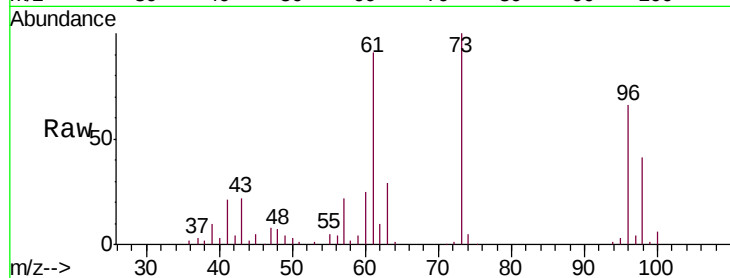
Tgt Ion: 96 Resp: 62848

Ion Ratio Lower Upper

96 100

61 137.5 95.7 177.7

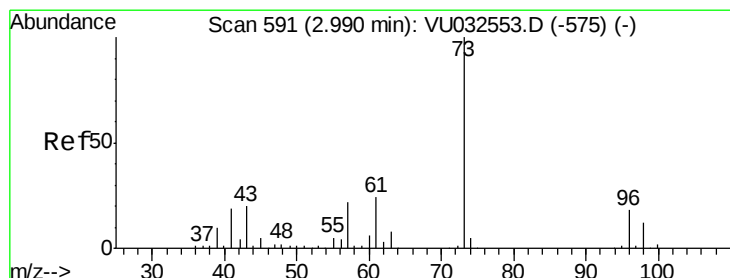
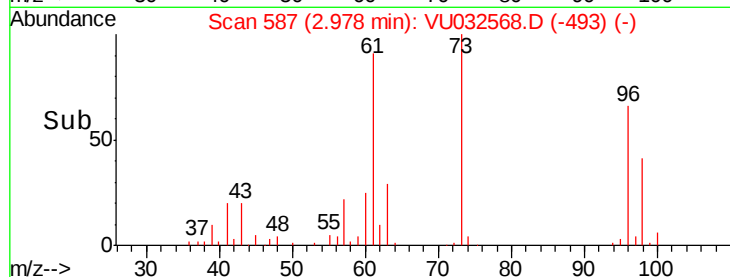
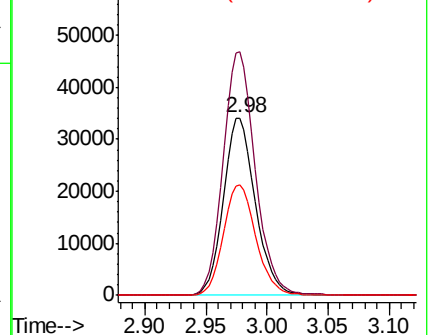
98 62.3 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032553.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU032553.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU032553.D (-574) (-)



#18

Methyl tert-butyl Ether

Concen: 49.957 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

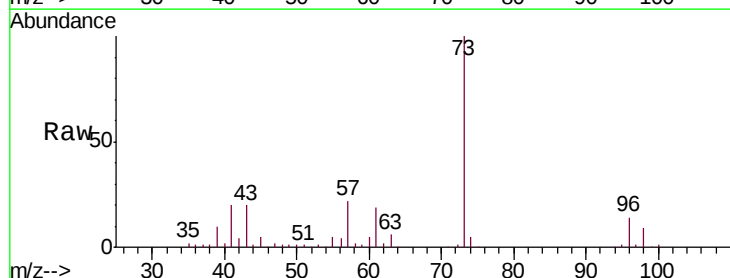
Tgt Ion: 73 Resp: 206813

Ion Ratio Lower Upper

73 100

43 20.5 15.8 23.6

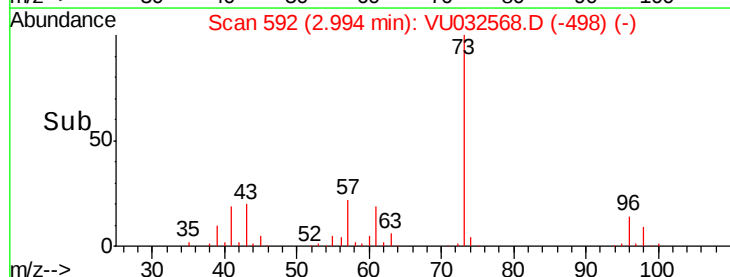
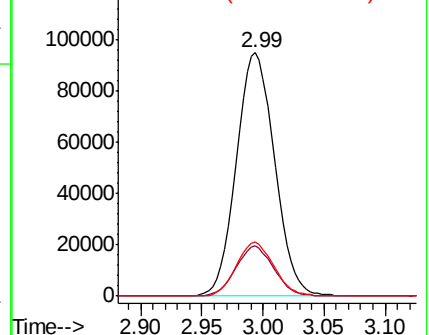
57 21.8 17.6 26.4

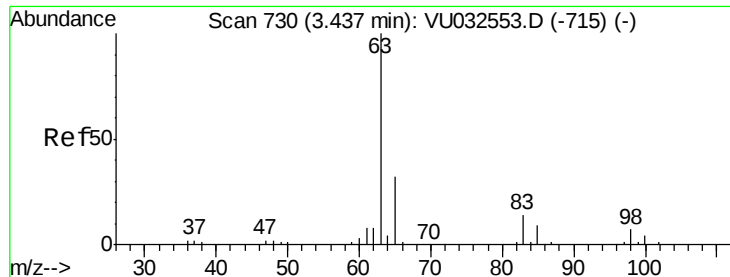


Abundance Ion 73.00 (72.70 to 73.70): VU032553.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU032553.D (-575) (-)

Ion 57.00 (56.70 to 57.70): VU032553.D (-575) (-)

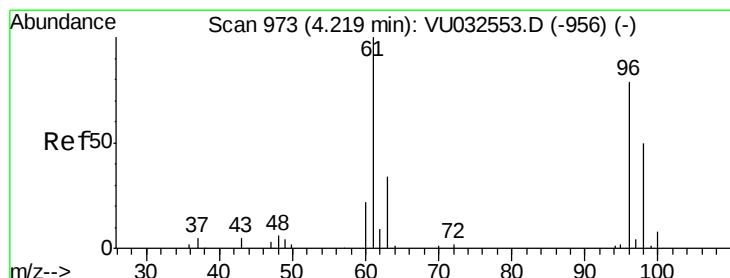
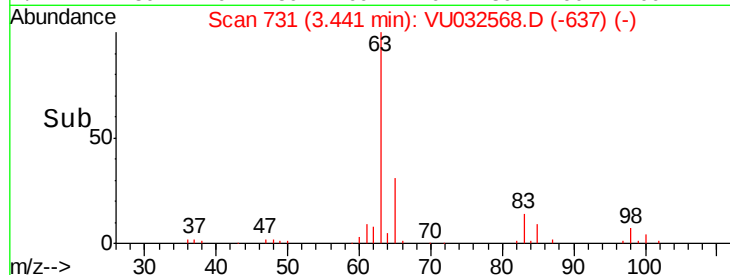
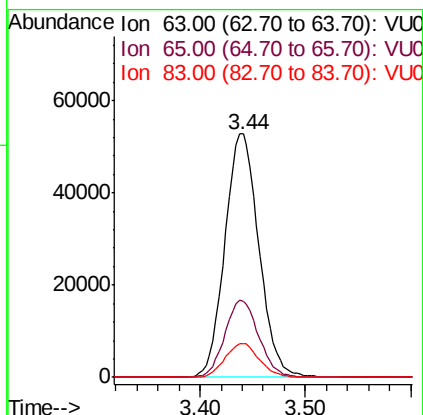
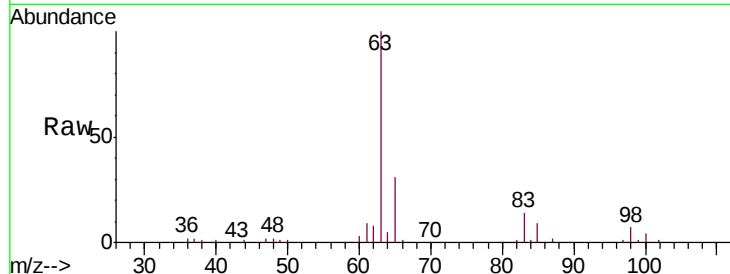




#19
 1,1-Dichloroethane
 Concen: 51.396 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU032568.D
 Acq: 10 Jun 2019 16:00

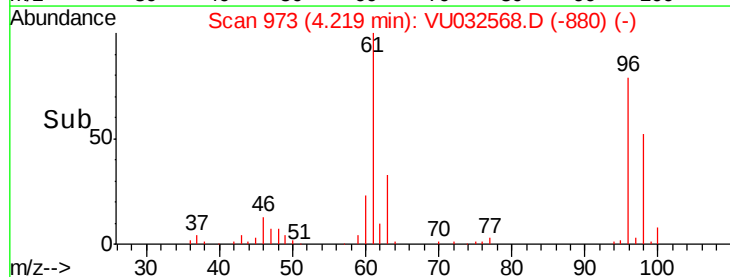
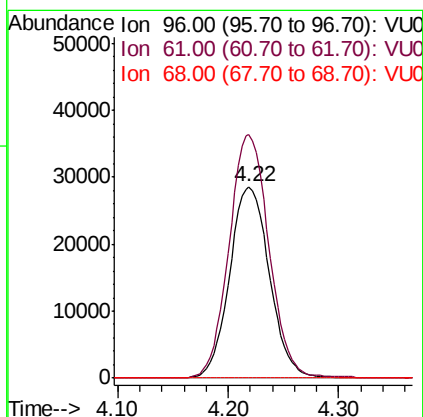
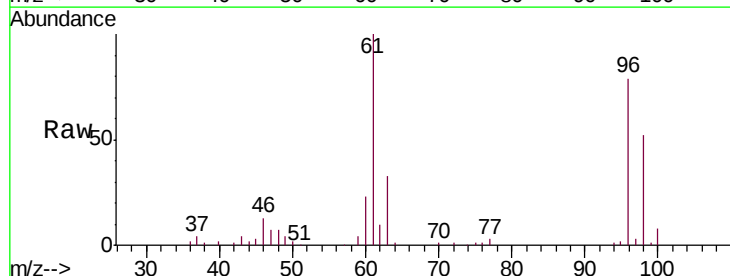
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

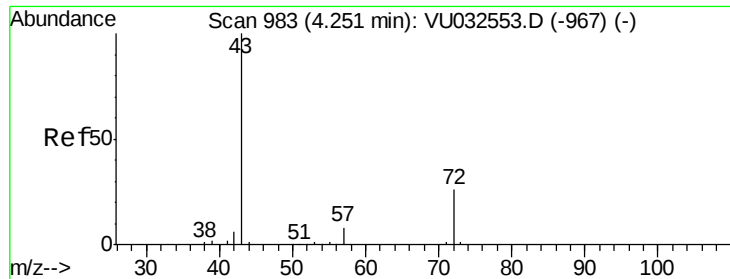
Tgt Ion: 63 Resp: 118066
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.8 40.6
 83 14.1 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 50.155 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032568.D
 Acq: 10 Jun 2019 16:00

Tgt Ion: 96 Resp: 71527
 Ion Ratio Lower Upper
 96 100
 61 127.3 87.2 162.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 98.836 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampled :

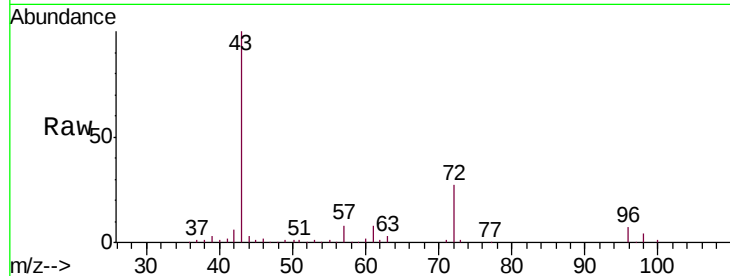
VSTD05041

Tgt Ion: 43 Resp: 128247

Ion Ratio Lower Upper

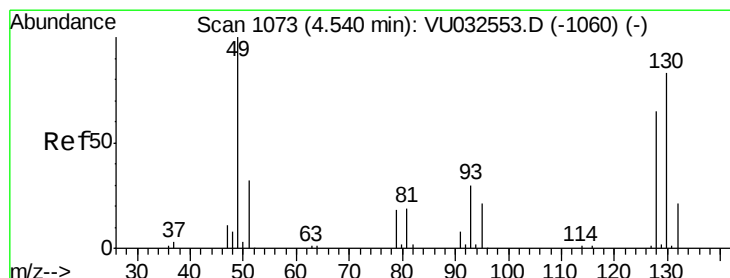
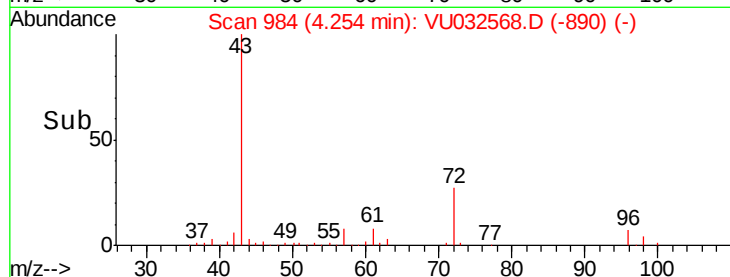
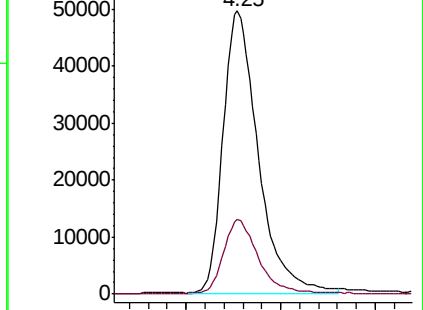
43 100

72 26.0 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032553.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU032553.D (-967) (-)



#23

Bromochloromethane

Concen: 50.482 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Tgt Ion: 128 Resp: 37433

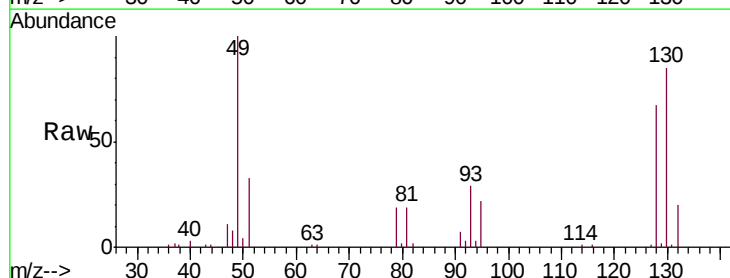
Ion Ratio Lower Upper

128 100

49 148.2 103.7 192.5

130 126.2 92.2 171.2

51 48.9 37.7 56.5

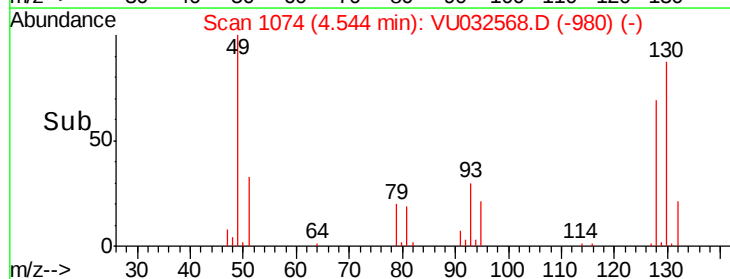
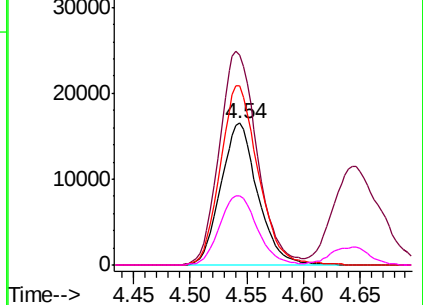


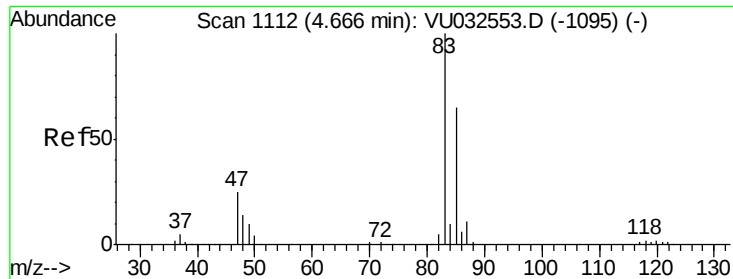
Abundance Ion 128.00 (127.70 to 128.70): VU032553.D (-1060) (-)

Ion 49.00 (48.70 to 49.70): VU032553.D (-1060) (-)

Ion 130.00 (129.70 to 130.70): VU032553.D (-1060) (-)

Ion 51.00 (50.70 to 51.70): VU032553.D (-1060) (-)

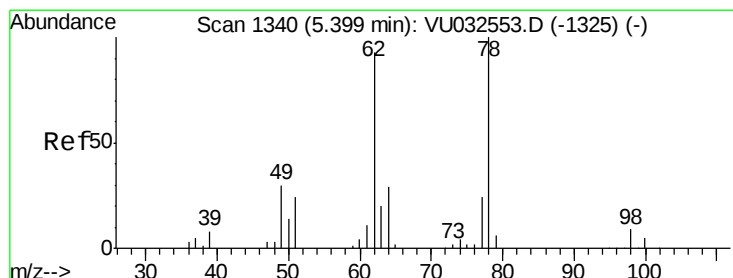
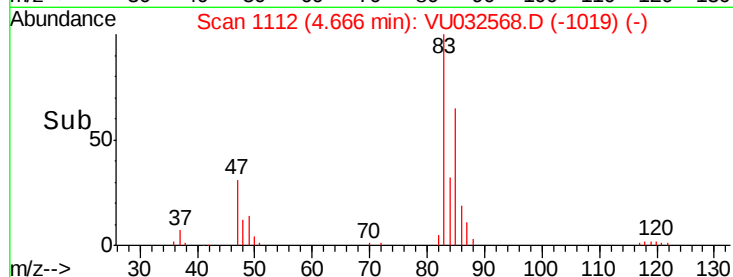
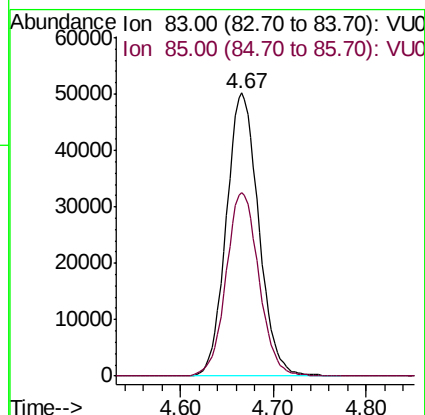
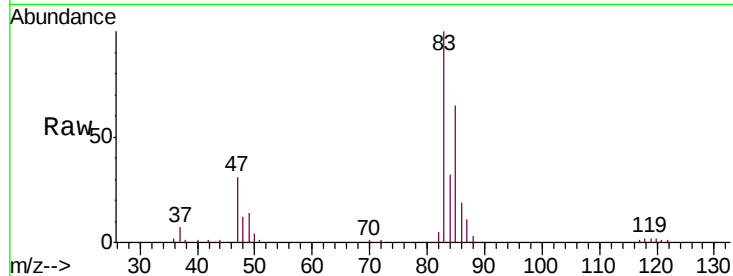




#25
Chloroform
Concen: 51.285 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032568.D
Acq: 10 Jun 2019 16:00

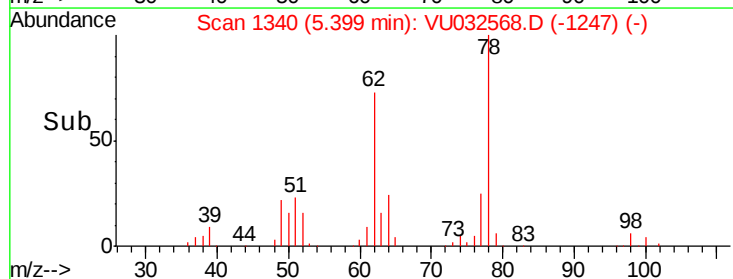
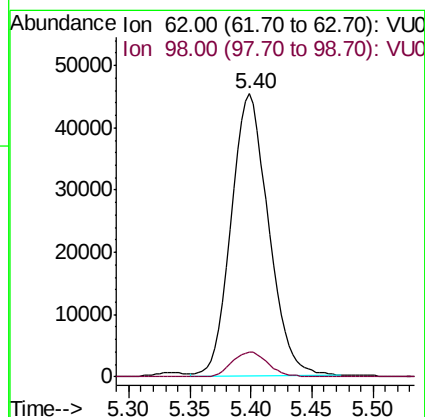
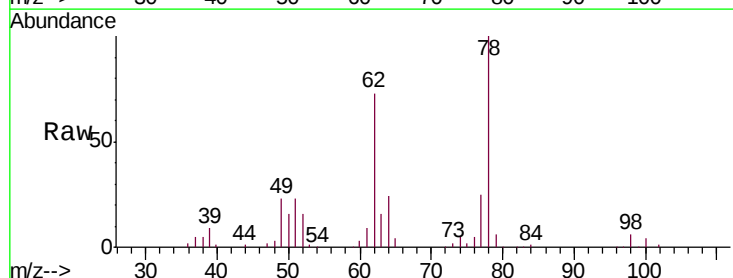
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

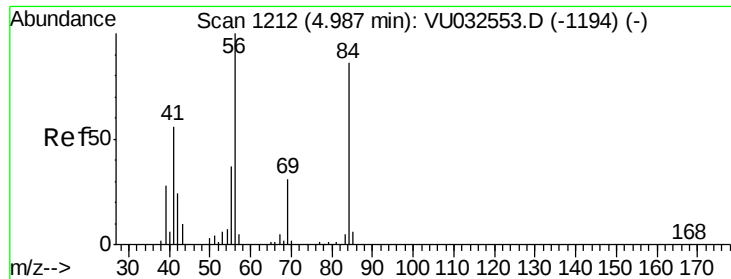
Tgt Ion: 83 Resp: 121574
Ion Ratio Lower Upper
83 100
85 64.9 44.7 82.9



#27
1,2-Dichloroethane
Concen: 51.453 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032568.D
Acq: 10 Jun 2019 16:00

Tgt Ion: 62 Resp: 96424
Ion Ratio Lower Upper
62 100
98 8.7 7.2 10.8

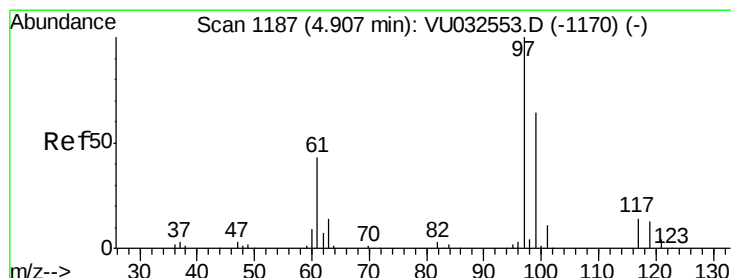
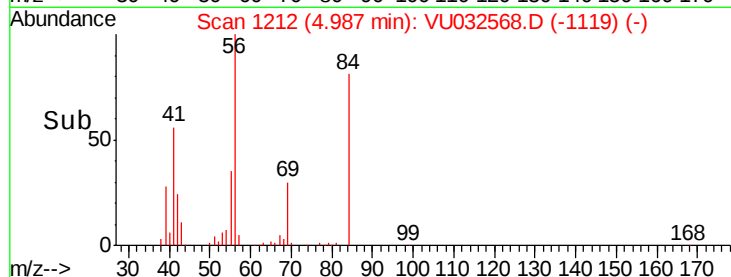
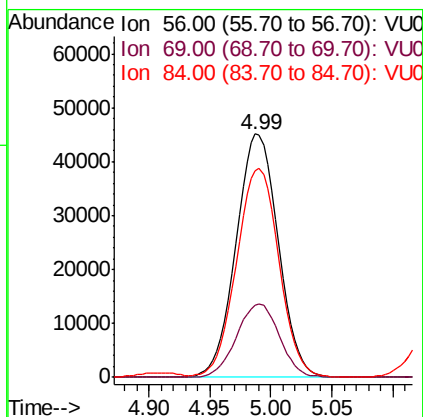
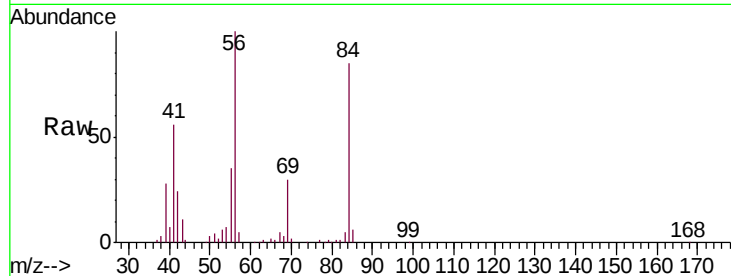




#29
Cyclohexane
Concen: 48.196 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU032568.D
Acq: 10 Jun 2019 16:00

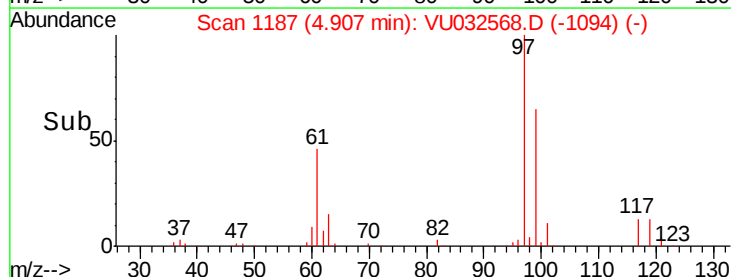
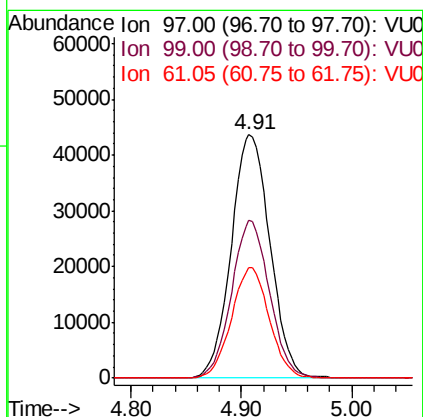
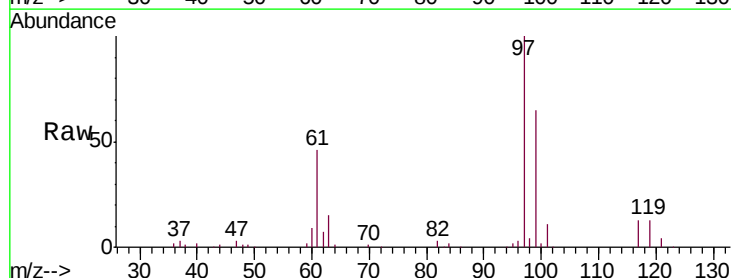
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

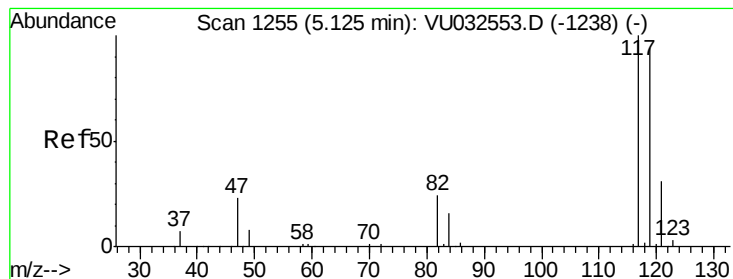
Tgt Ion: 56 Resp: 107981
Ion Ratio Lower Upper
56 100
69 30.6 24.7 37.1
84 86.8 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 49.907 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU032568.D
Acq: 10 Jun 2019 16:00

Tgt Ion: 97 Resp: 106417
Ion Ratio Lower Upper
97 100
99 63.3 50.5 75.7
61 44.2 33.8 50.6





#31

Carbon tetrachloride

Concen: 50.127 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

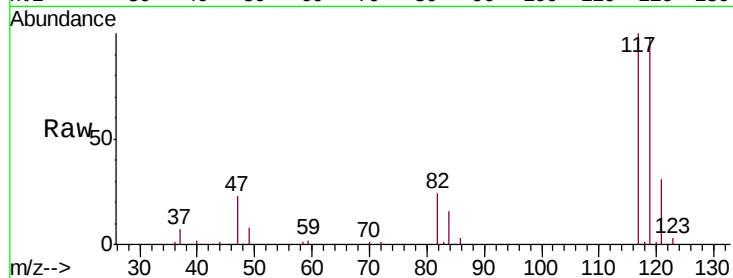
VSTD05041

Tgt Ion:117 Resp: 97964

Ion Ratio Lower Upper

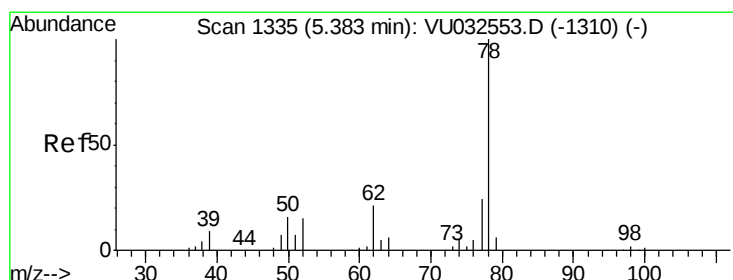
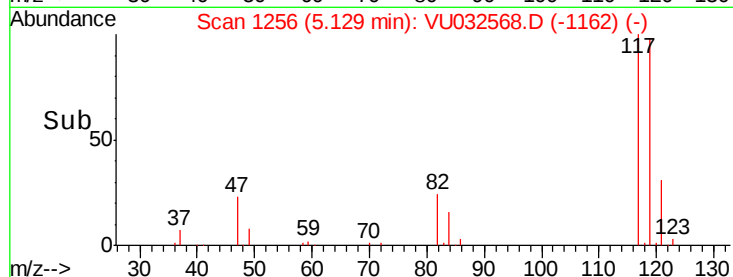
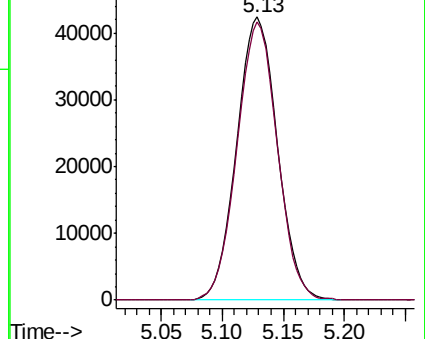
117 100

119 97.0 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.773 ug/L

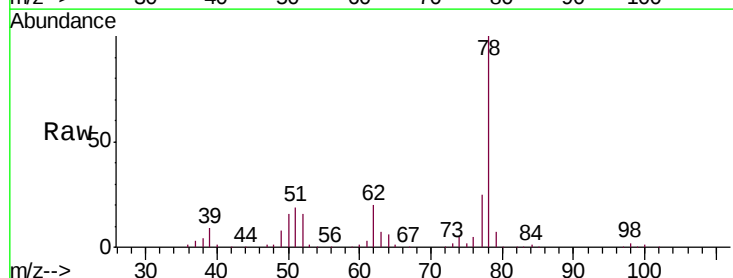
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

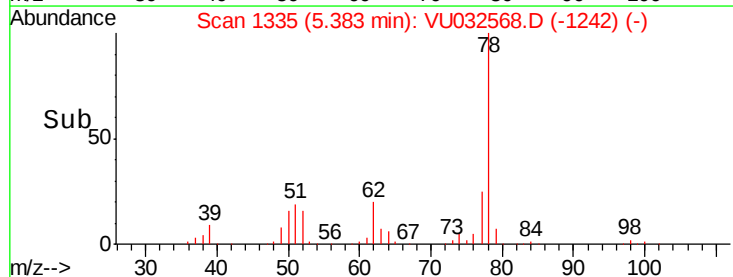
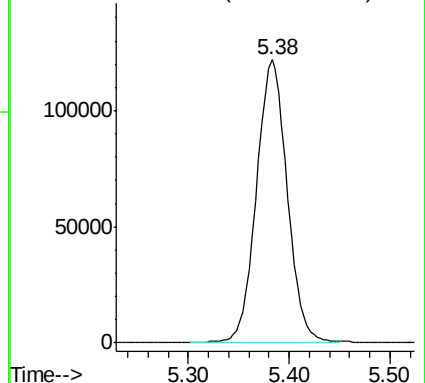
Lab File: VU032568.D

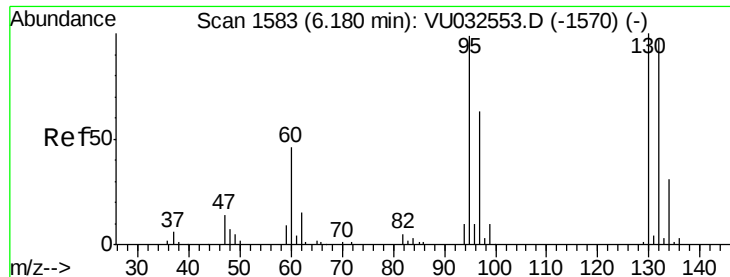
Acq: 10 Jun 2019 16:00

Tgt Ion: 78 Resp: 258121



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.786 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

Tgt Ion: 95 Resp: 73124

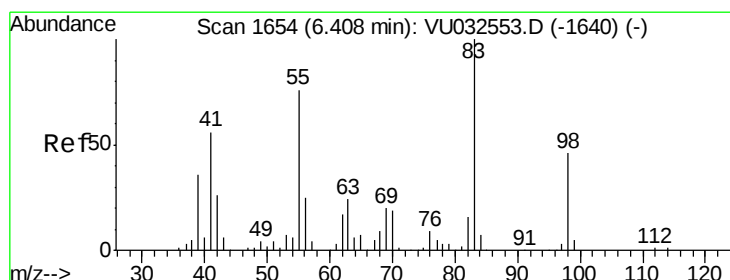
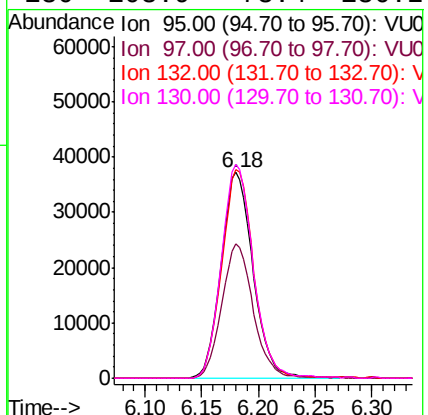
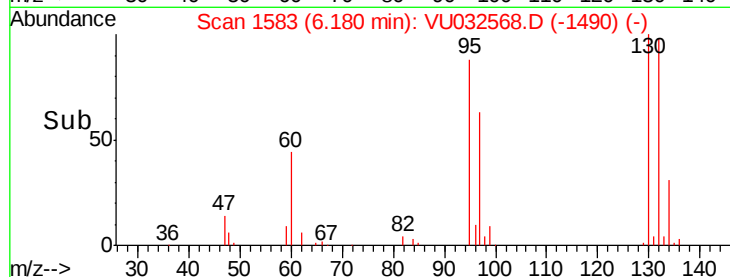
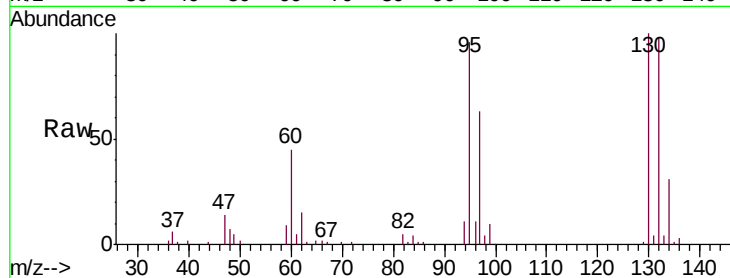
Ion Ratio Lower Upper

95 100

97 65.1 45.8 85.2

132 101.7 71.0 131.8

130 103.9 73.4 136.2



#35

Methylcyclohexane

Concen: 48.248 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

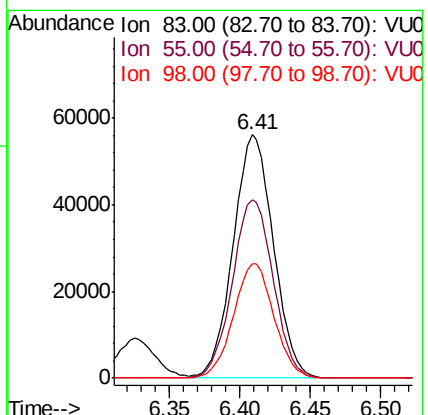
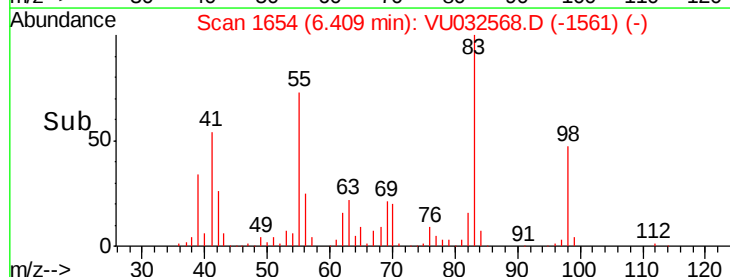
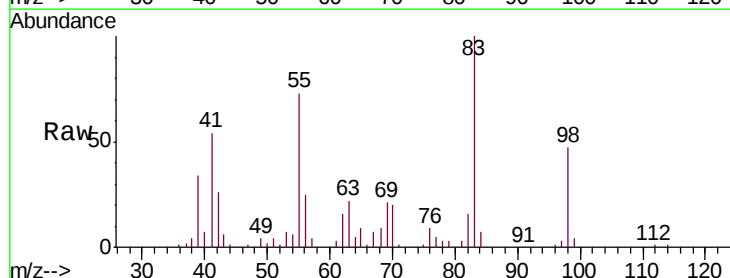
Tgt Ion: 83 Resp: 112464

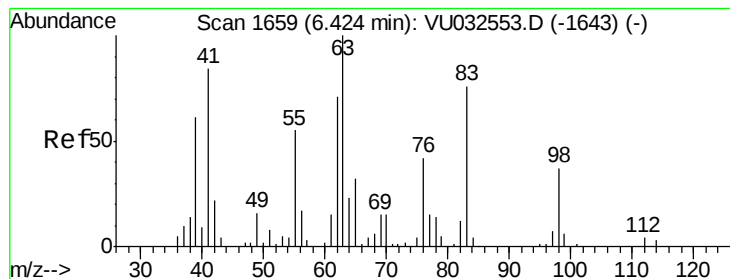
Ion Ratio Lower Upper

83 100

55 74.2 60.2 90.4

98 47.1 37.4 56.2





#37

1,2-Dichloropropane

Concen: 50.039 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

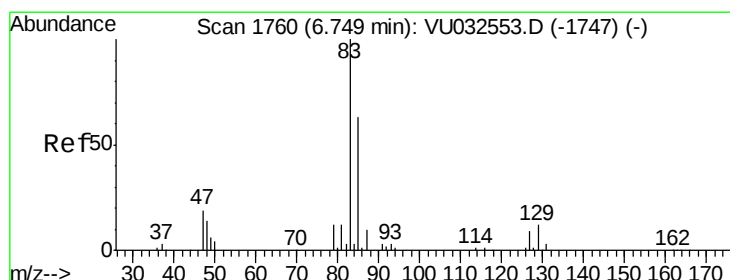
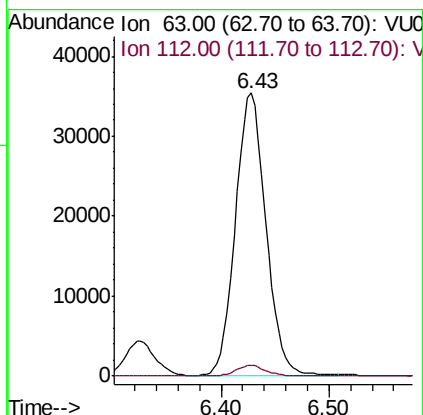
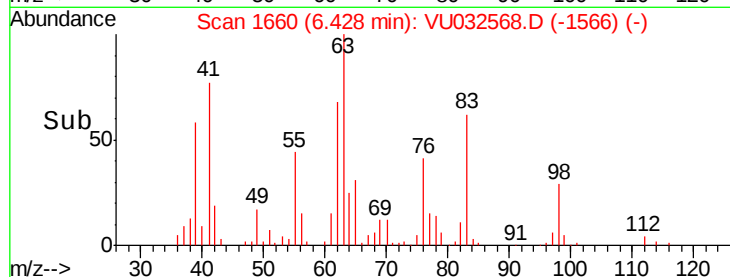
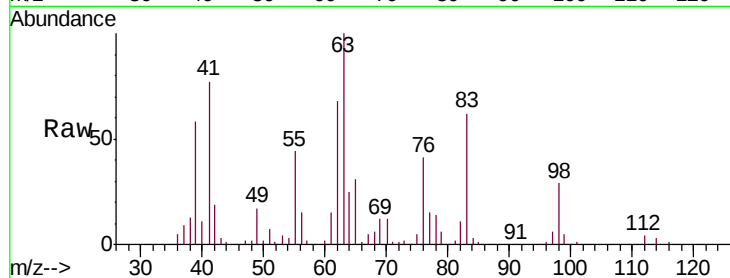
VSTD05041

Tgt Ion: 63 Resp: 70200

Ion Ratio Lower Upper

63 100

112 3.7 3.1 4.7



#38

Bromodichloromethane

Concen: 50.966 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

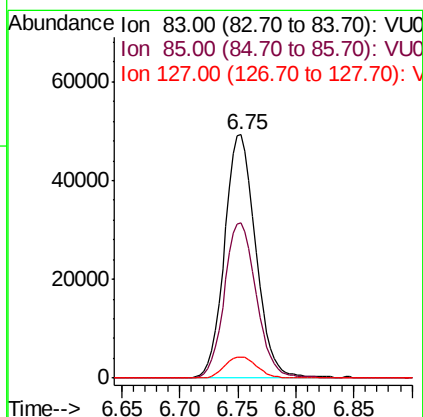
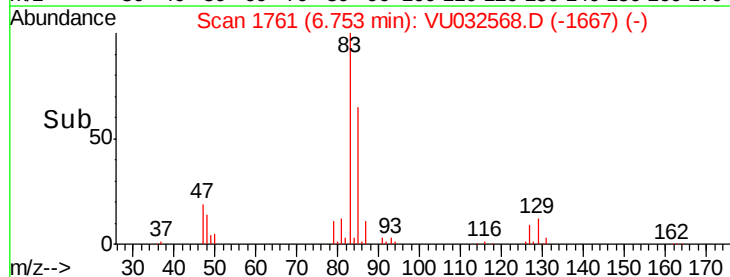
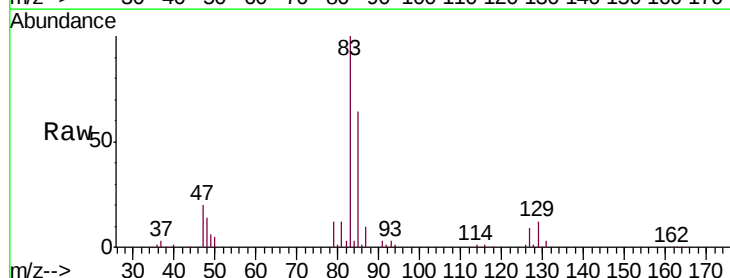
Tgt Ion: 83 Resp: 92067

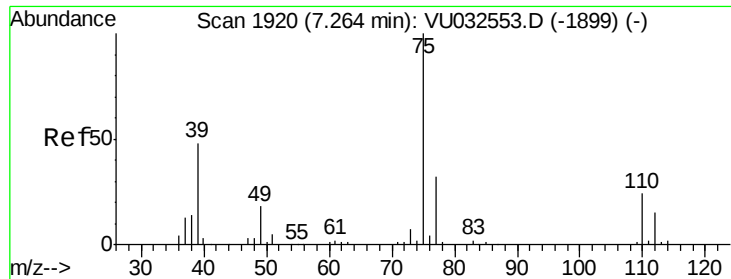
Ion Ratio Lower Upper

83 100

85 63.8 45.4 84.4

127 8.7 7.4 11.2

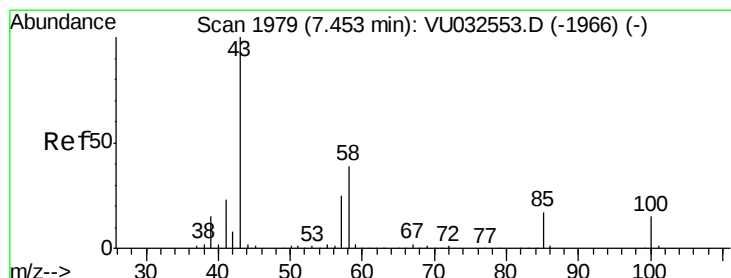
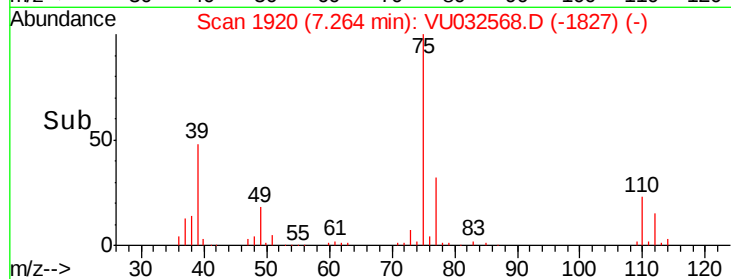
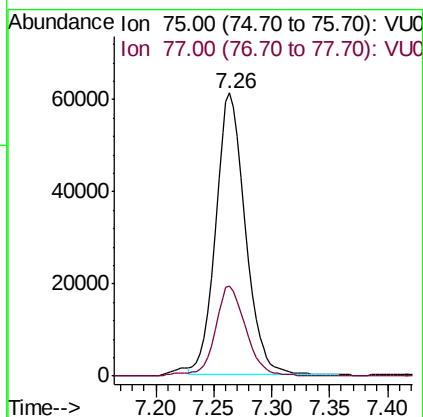
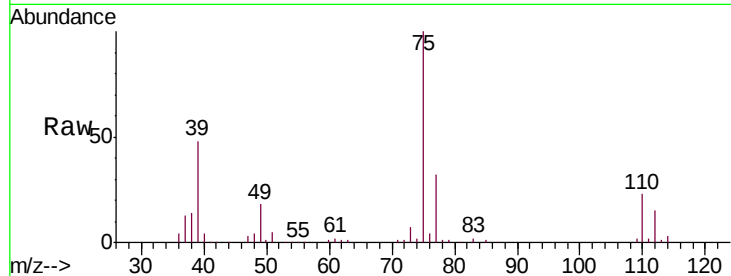




#39
 cis-1,3-Dichloropropene
 Concen: 49.224 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032568.D
 Acq: 10 Jun 2019 16:00

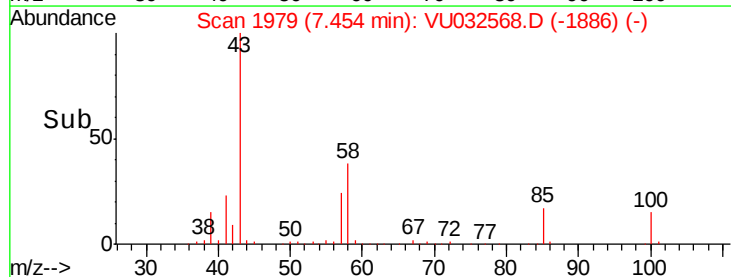
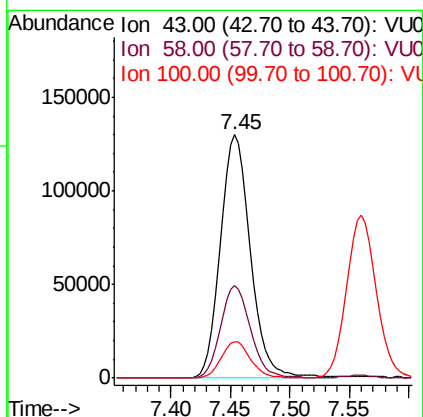
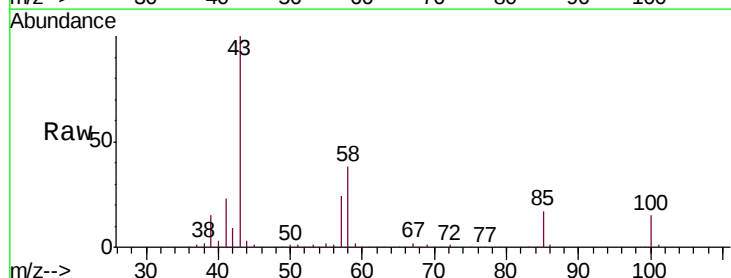
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

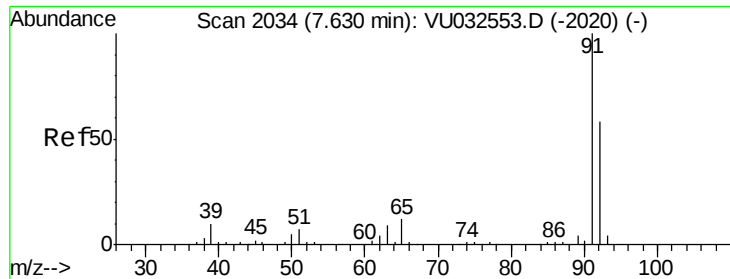
Tgt Ion: 75 Resp: 108957
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 101.156 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032568.D
 Acq: 10 Jun 2019 16:00

Tgt Ion: 43 Resp: 228307
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.8 46.2
 100 14.7 12.1 18.1





#42

Toluene

Concen: 49.707 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

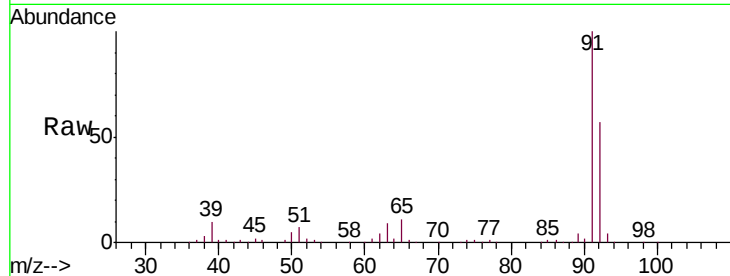
VSTD05041

Tgt Ion: 91 Resp: 288100

Ion Ratio Lower Upper

91 100

92 56.6 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032553.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032553.D (-2020) (-)

7.63

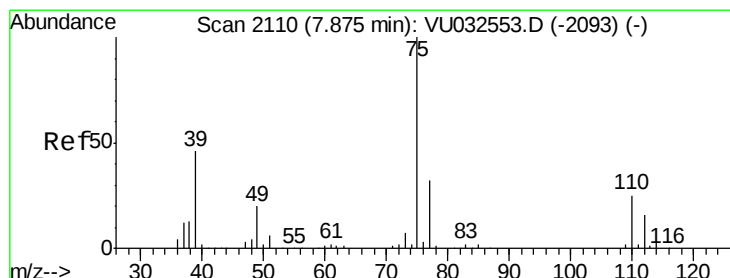
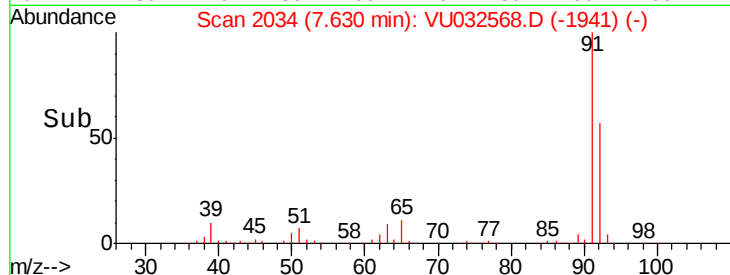
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.669 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032568.D

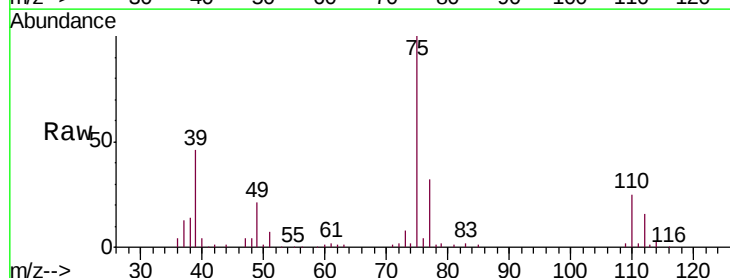
Acq: 10 Jun 2019 16:00

Tgt Ion: 75 Resp: 101512

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032553.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032553.D (-2093) (-)

7.87

60000

50000

40000

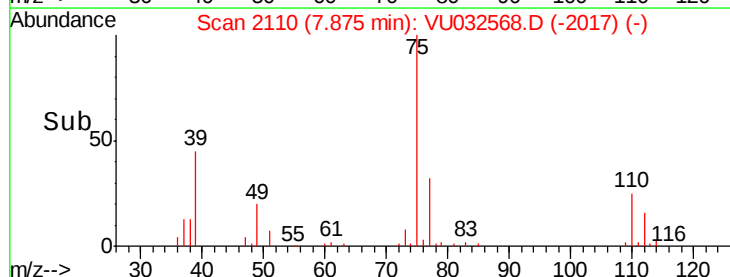
30000

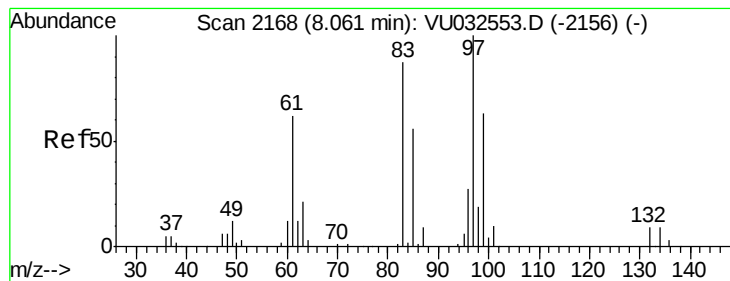
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 50.144 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

Tgt Ion: 97 Resp: 66524

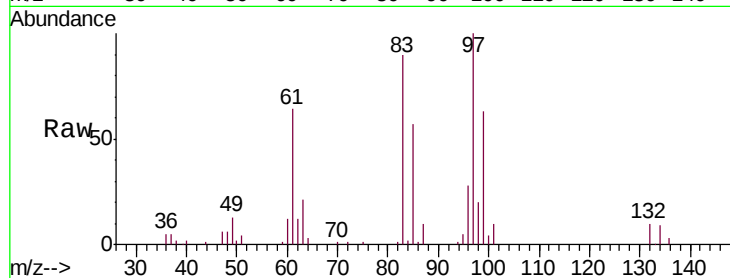
Ion Ratio Lower Upper

97 100

99 63.3 44.1 81.9

83 89.7 59.4 110.2

85 57.3 39.1 72.7

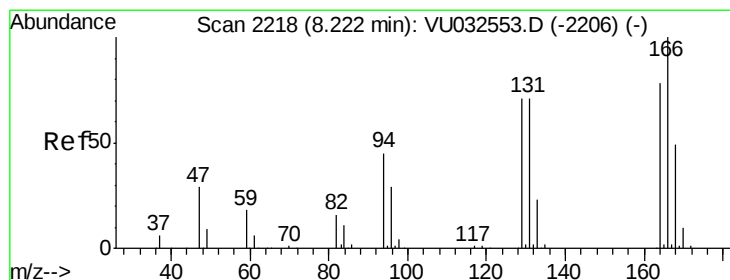
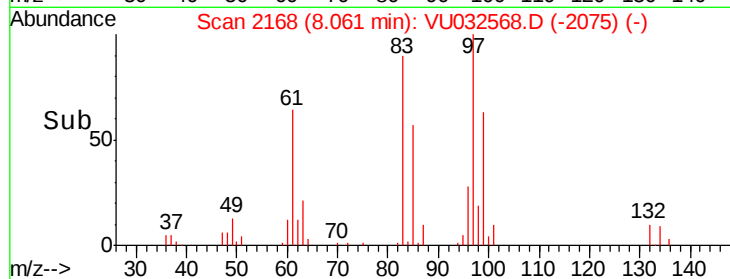
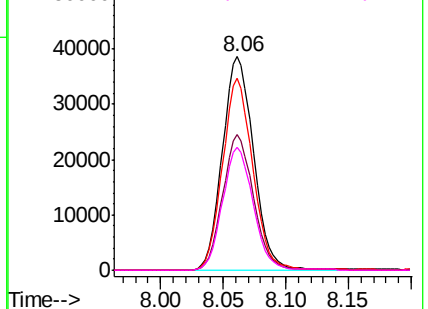


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 48.957 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Tgt Ion: 164 Resp: 58219

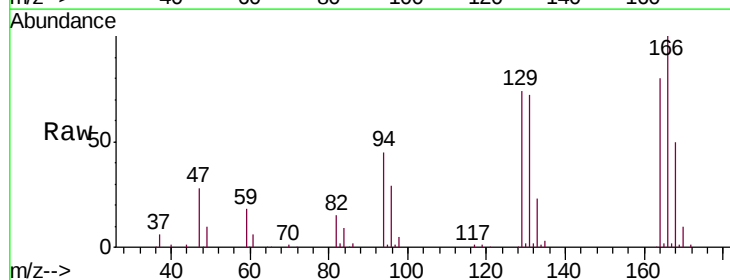
Ion Ratio Lower Upper

164 100

129 91.6 65.3 121.3

131 88.9 64.0 119.0

166 124.2 88.8 165.0

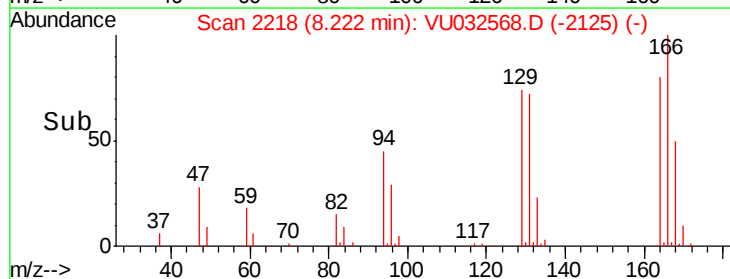
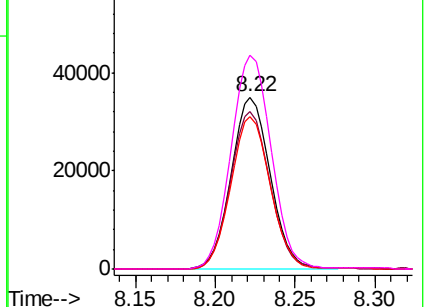


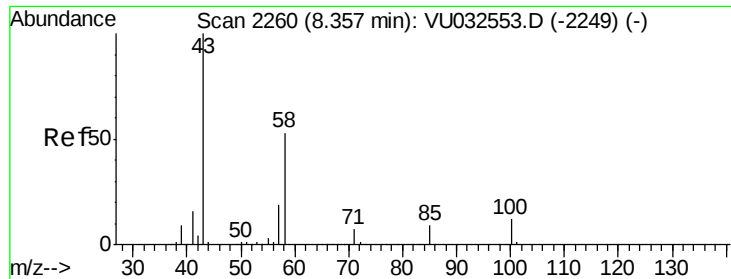
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

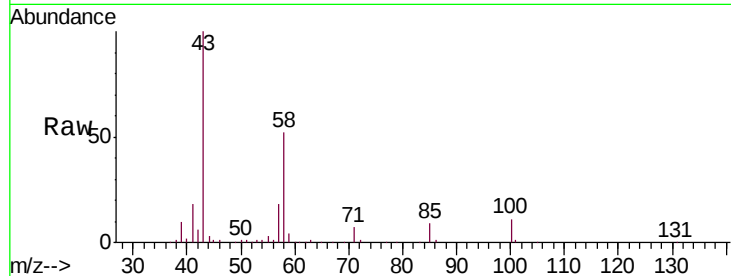




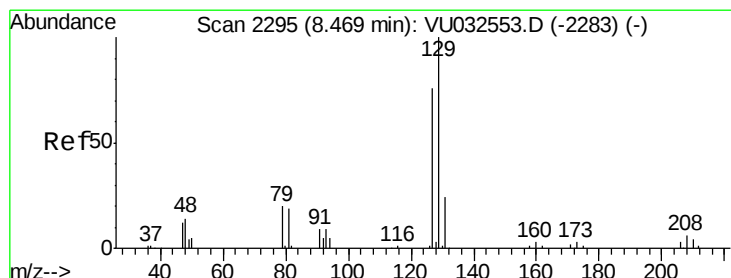
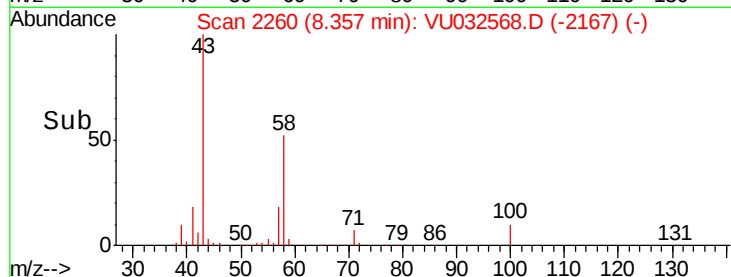
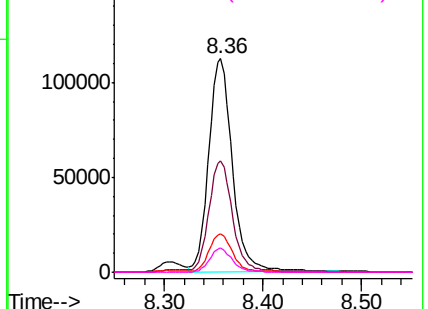
#48
2-Hexanone
Concen: 101.112 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032568.D
Acq: 10 Jun 2019 16:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

Tgt Ion: 43 Resp: 187437
Ion Ratio Lower Upper
43 100
58 51.2 42.0 63.0
57 17.6 14.6 22.0
100 11.0 9.2 13.8

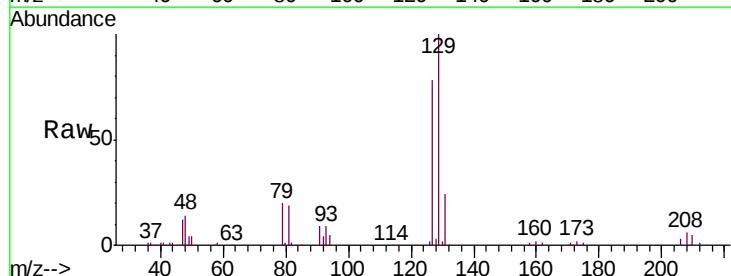


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

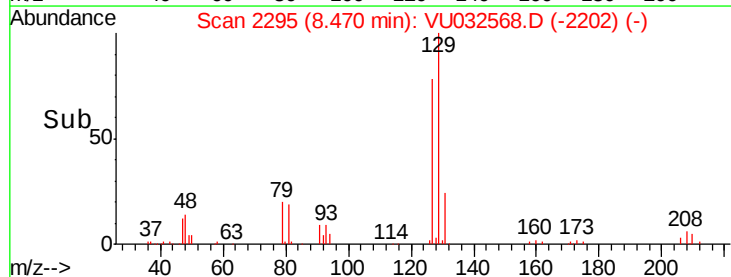
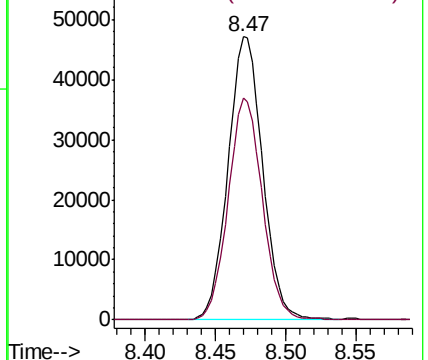


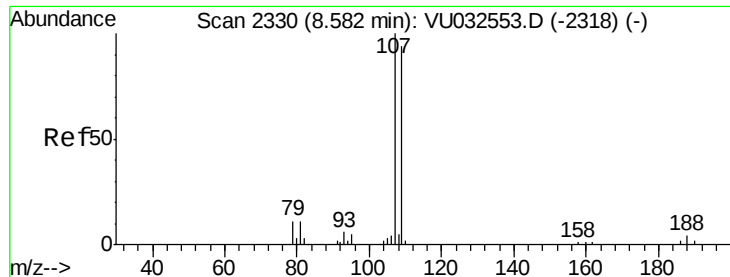
#49
Dibromochloromethane
Concen: 52.566 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU032568.D
Acq: 10 Jun 2019 16:00

Tgt Ion: 129 Resp: 81058
Ion Ratio Lower Upper
129 100
127 78.3 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

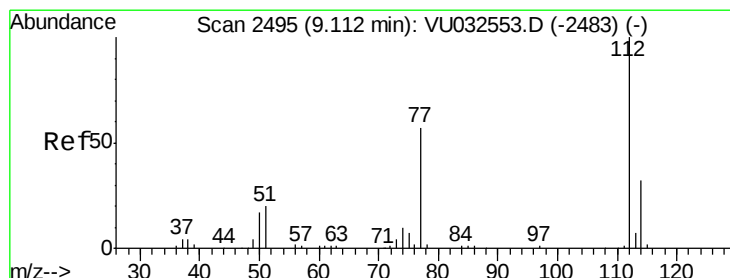
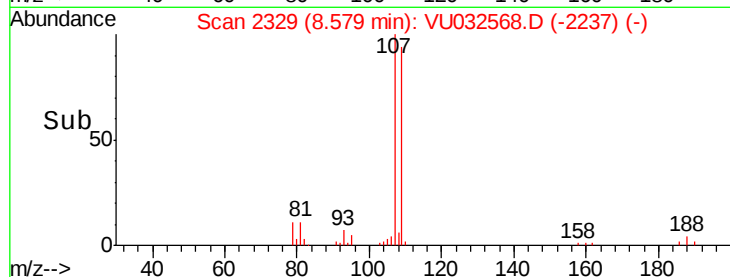
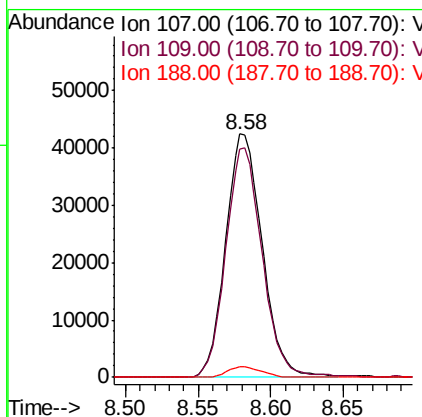
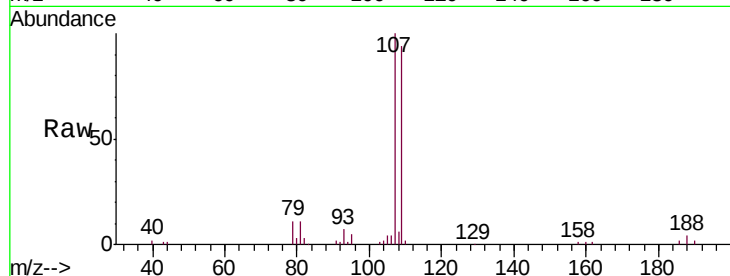




#50
1,2-Dibromoethane
Concen: 49.836 ug/L
RT: 8.58 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU032568.D
Acq: 10 Jun 2019 16:00

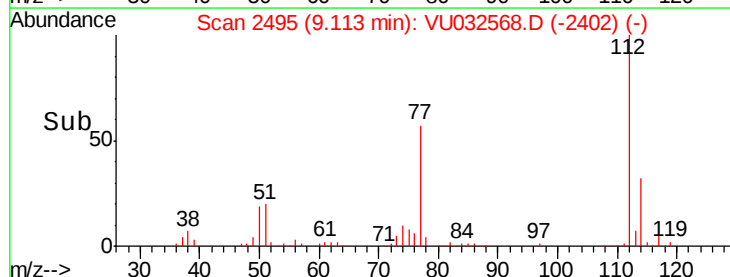
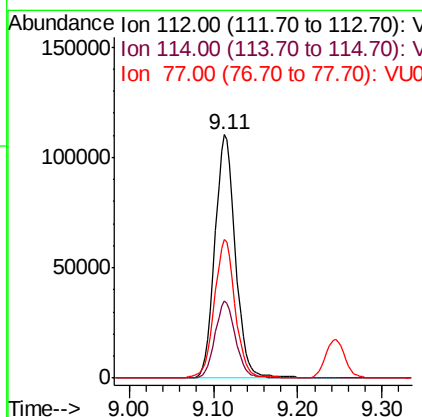
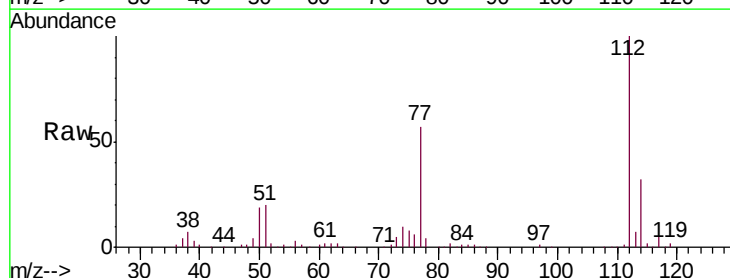
Instrument :
MSVOA_U
ClientSampleId :
VSTD05041

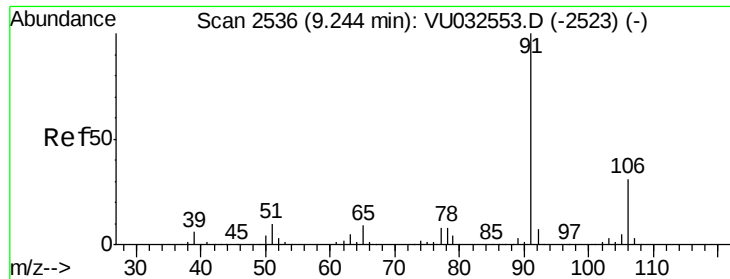
Tgt Ion:107 Resp: 74419
Ion Ratio Lower Upper
107 100
109 94.0 66.8 124.0
188 4.2 3.1 4.7



#51
Chlorobenzene
Concen: 49.862 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU032568.D
Acq: 10 Jun 2019 16:00

Tgt Ion:112 Resp: 186192
Ion Ratio Lower Upper
112 100
114 31.7 22.6 42.0
77 57.1 46.1 69.1





#52

Ethylbenzene

Concen: 48.618 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

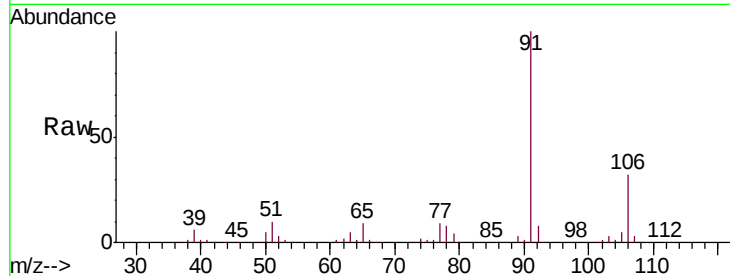
VSTD05041

Tgt Ion: 91 Resp: 314097

Ion Ratio Lower Upper

91 100

106 31.6 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032553.D (-2523) (-)

Ion 106.00 (105.70 to 106.70): VU032553.D (-2523) (-)

9.24

200000

150000

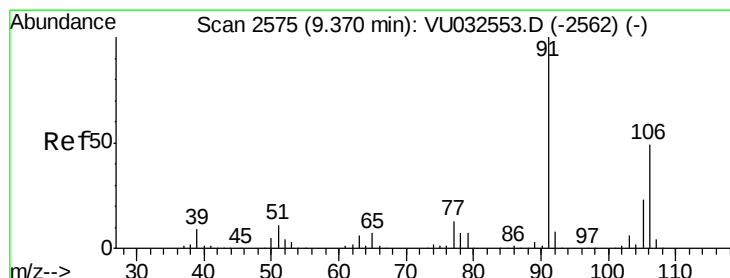
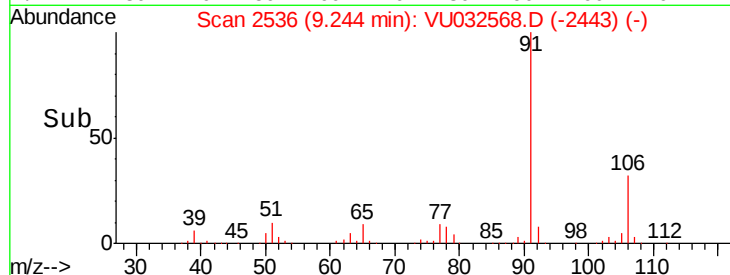
100000

50000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 48.606 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032568.D

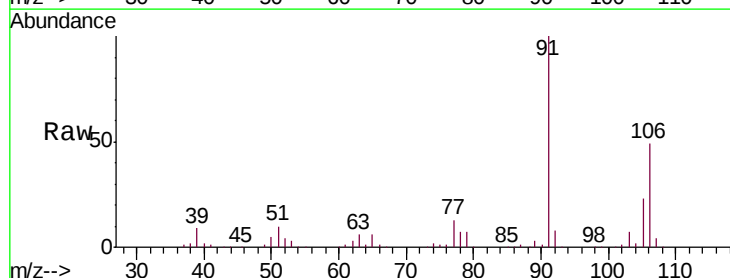
Acq: 10 Jun 2019 16:00

Tgt Ion: 106 Resp: 119407

Ion Ratio Lower Upper

106 100

91 203.7 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032553.D (-2562) (-)

Ion 91.00 (90.70 to 91.70): VU032553.D (-2562) (-)

9.37

150000

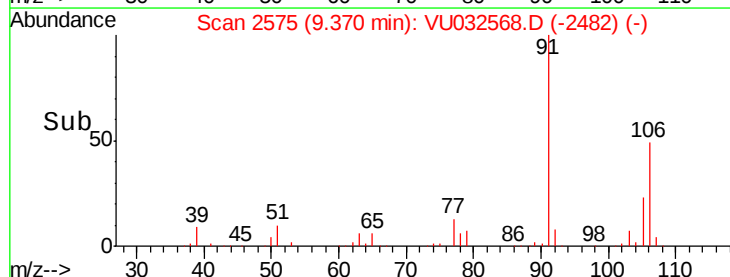
100000

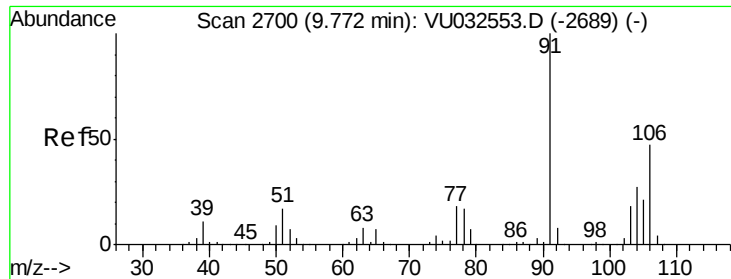
50000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 48.207 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

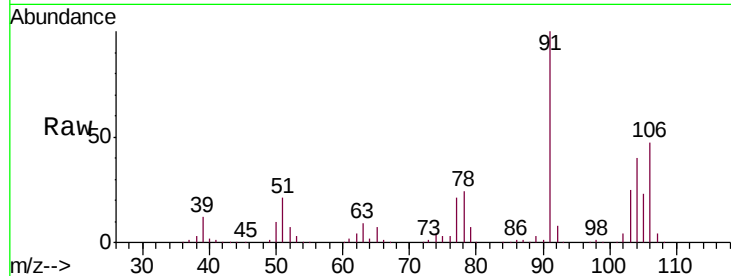
VSTD05041

Tgt Ion:106 Resp: 117583

Ion Ratio Lower Upper

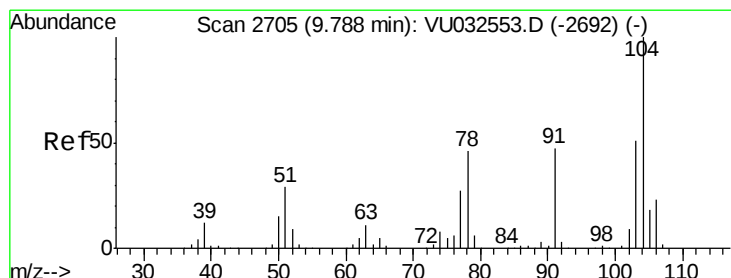
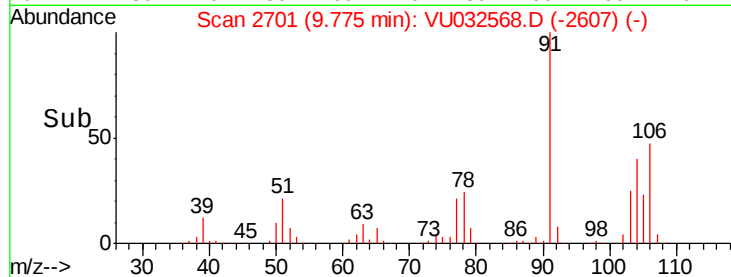
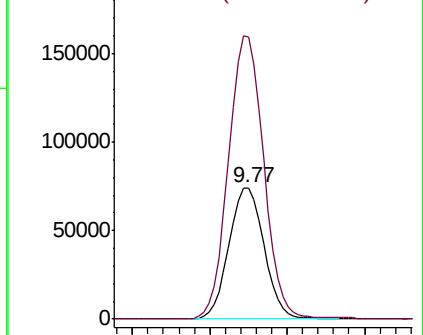
106 100

91 214.9 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.912 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032568.D

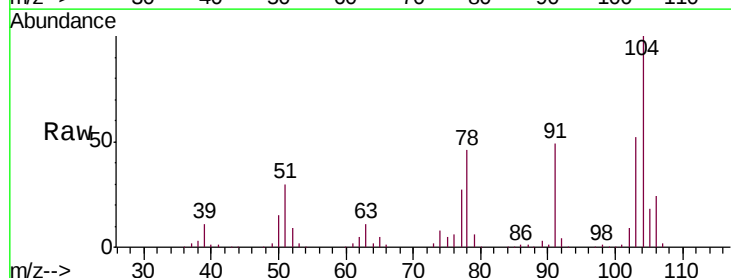
Acq: 10 Jun 2019 16:00

Tgt Ion:104 Resp: 203241

Ion Ratio Lower Upper

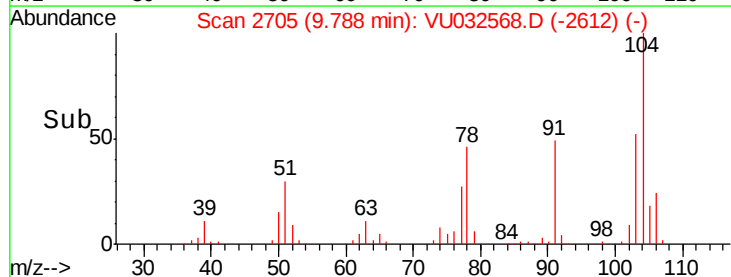
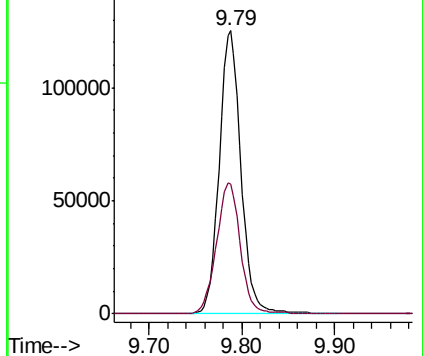
104 100

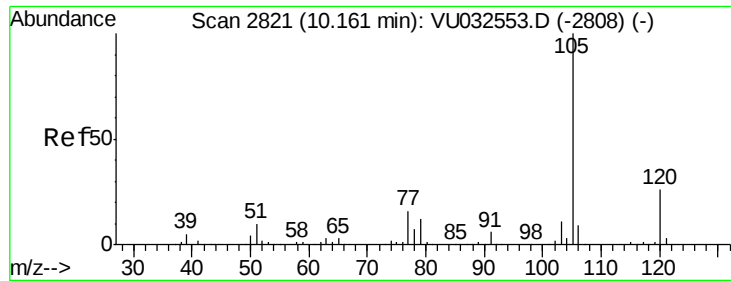
78 45.8 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.787 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

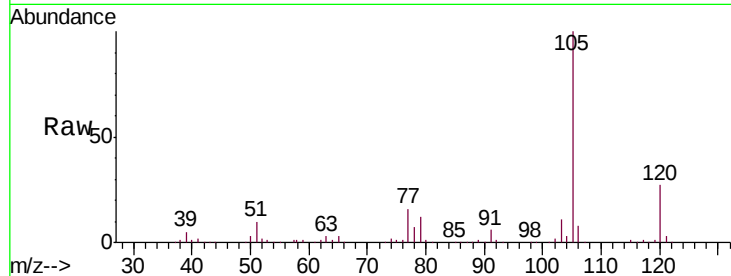
Tgt Ion: 105 Resp: 313783

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

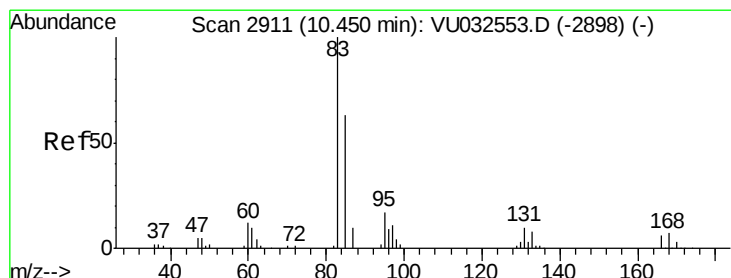
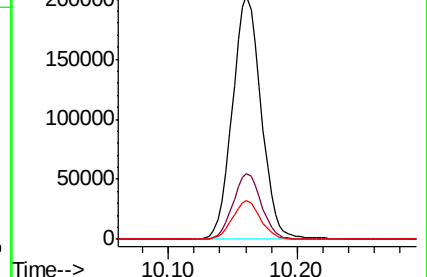
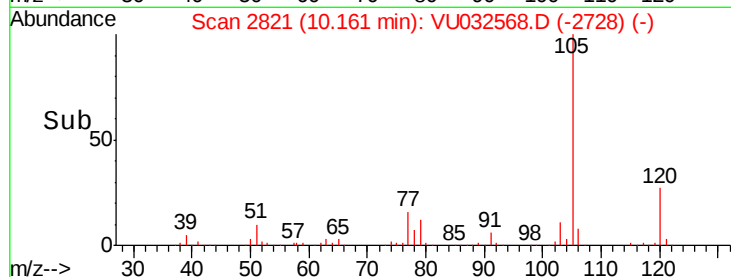
77 15.6 12.4 18.6



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: 50.031 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

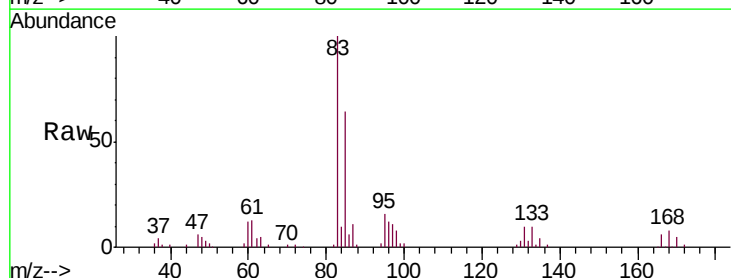
Tgt Ion: 83 Resp: 113441

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7

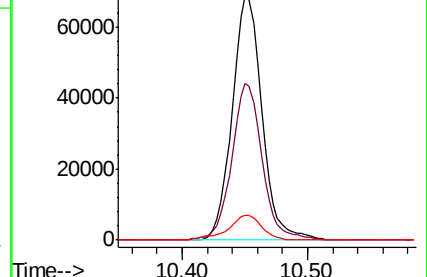
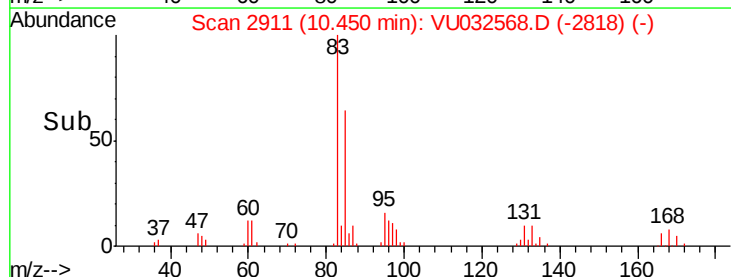
131 10.2 7.9 11.9

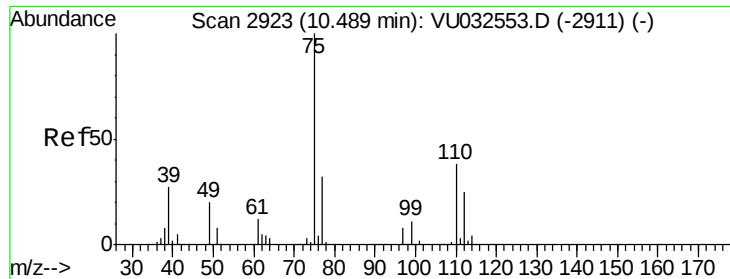


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

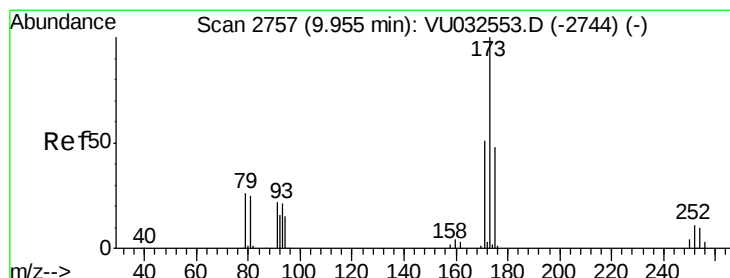
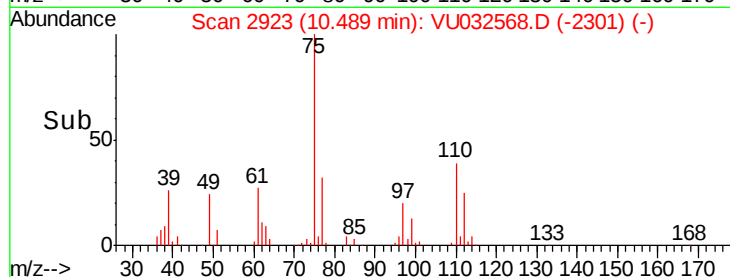
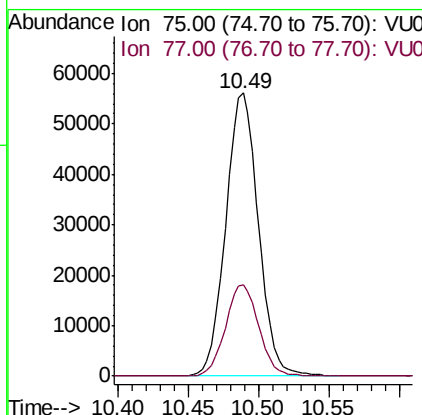
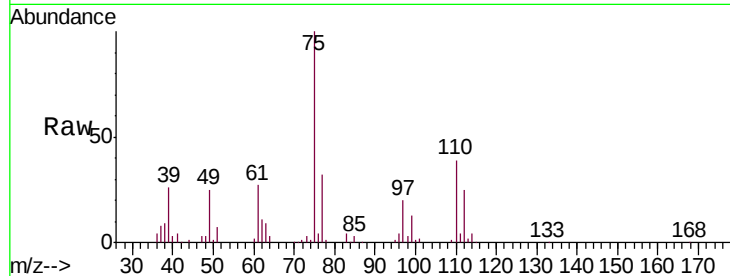




#59
 1,2,3-Trichloropropane
 Concen: 49.826 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032568.D
 Acq: 10 Jun 2019 16:00

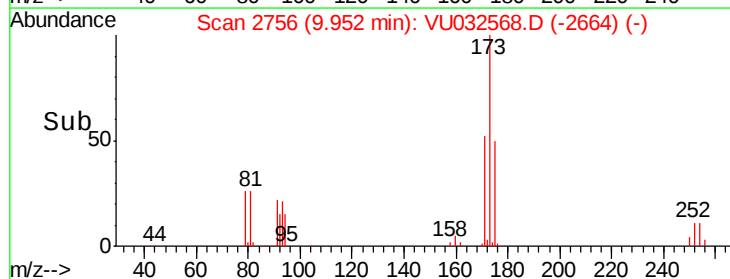
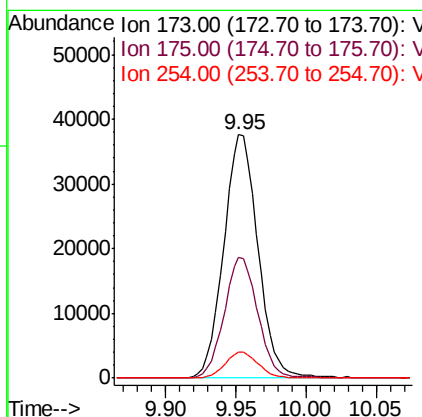
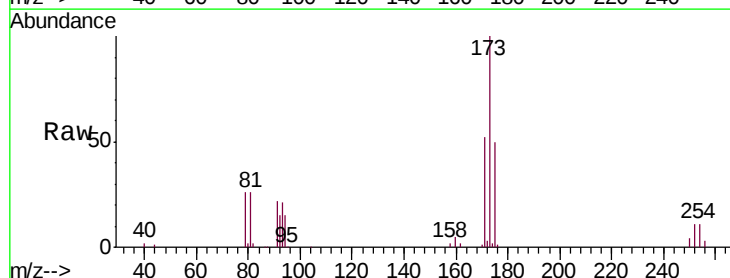
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

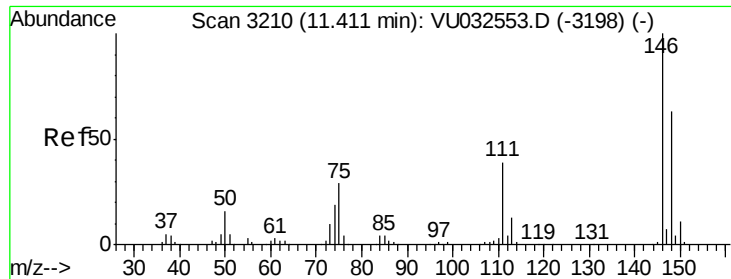
Tgt Ion: 75 Resp: 90871
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.6 38.4



#61
 Bromoform
 Concen: 52.366 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032568.D
 Acq: 10 Jun 2019 16:00

Tgt Ion: 173 Resp: 63714
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.7 59.5
 254 10.2 7.8 11.8

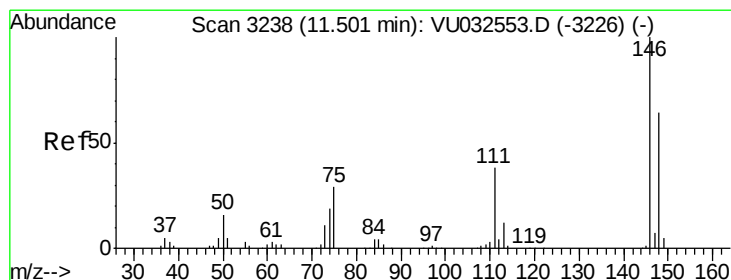
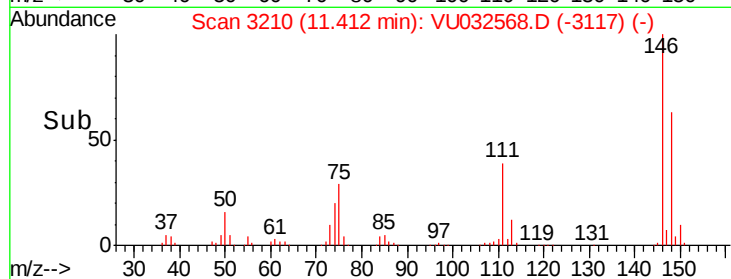
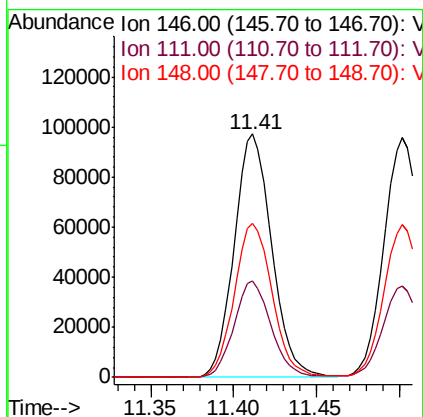
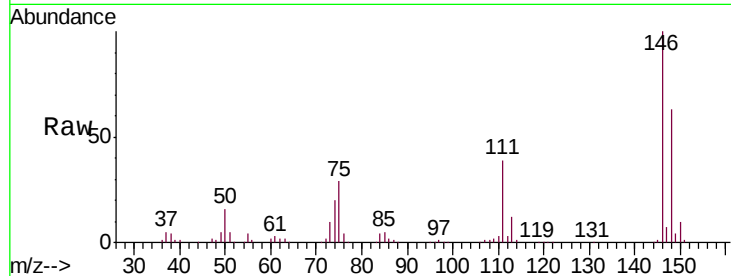




#62
 1,3-Dichlorobenzene
 Concen: 49.621 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032568.D
 Acq: 10 Jun 2019 16:00

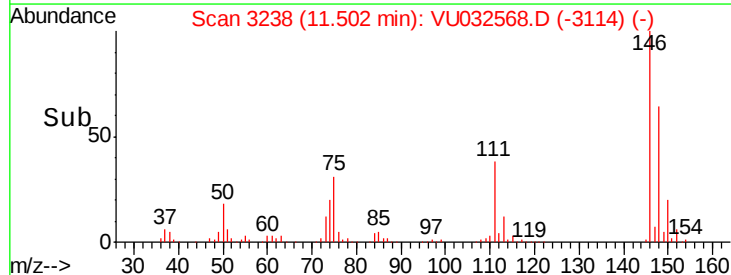
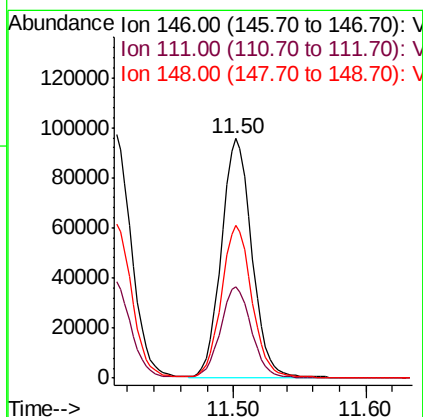
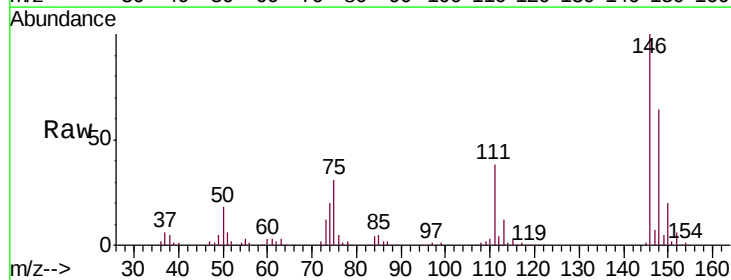
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

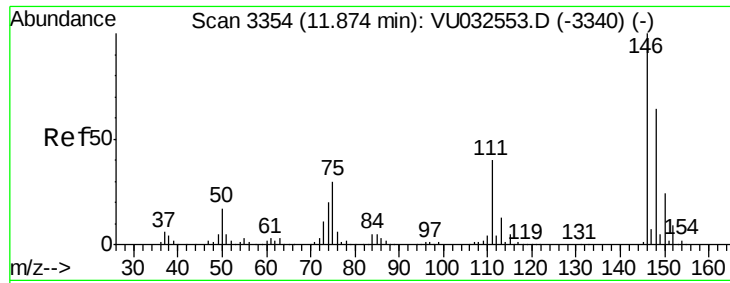
Tgt Ion:146 Resp: 153203
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.3 50.7
 148 63.3 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 48.259 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032568.D
 Acq: 10 Jun 2019 16:00

Tgt Ion:146 Resp: 152327
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.6 49.4
 148 63.8 44.9 83.5

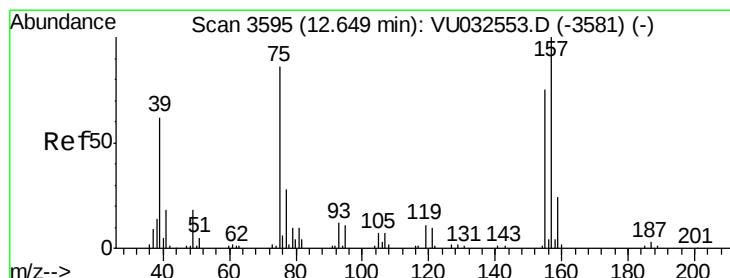
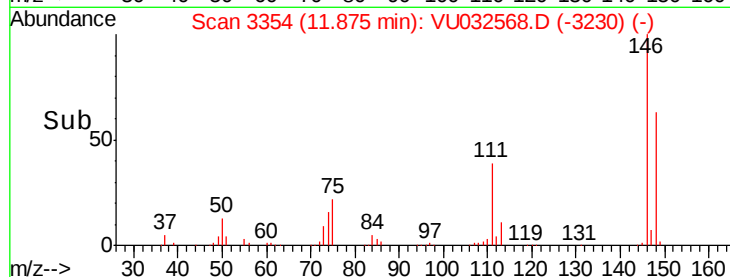
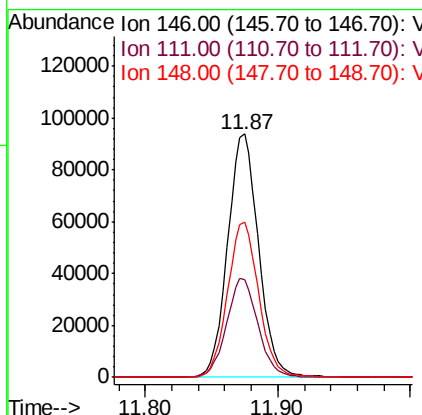
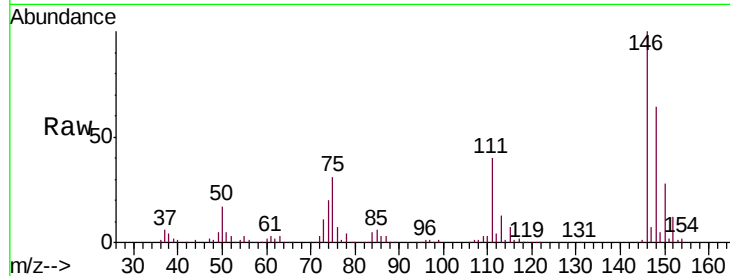




#65
 1,2-Dichlorobenzene
 Concen: 48.758 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032568.D
 Acq: 10 Jun 2019 16:00

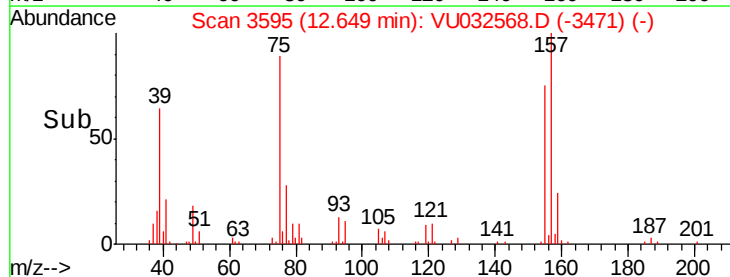
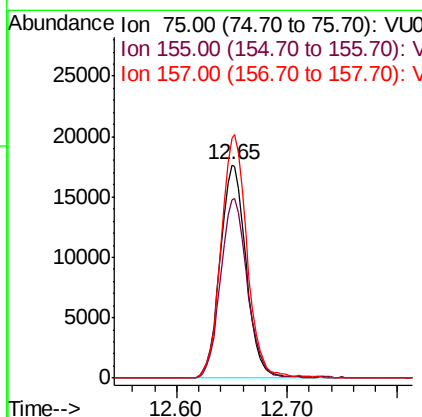
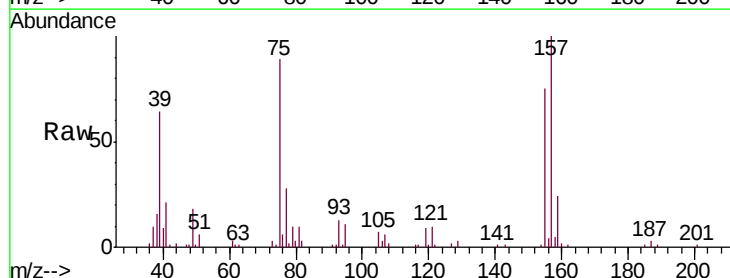
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

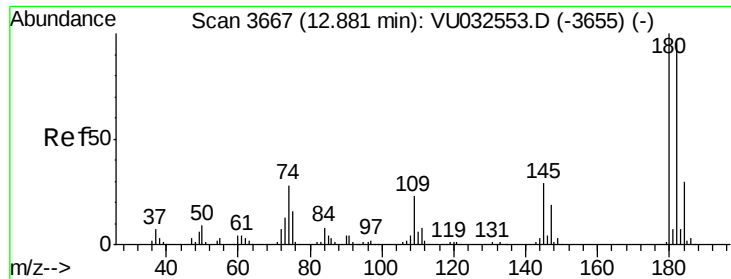
Tgt Ion: 146 Resp: 152195
 Ion Ratio Lower Upper
 146 100
 111 39.9 32.6 48.8
 148 63.6 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.797 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU032568.D
 Acq: 10 Jun 2019 16:00

Tgt Ion: 75 Resp: 28778
 Ion Ratio Lower Upper
 75 100
 155 83.8 73.1 109.7
 157 112.4 91.4 137.2

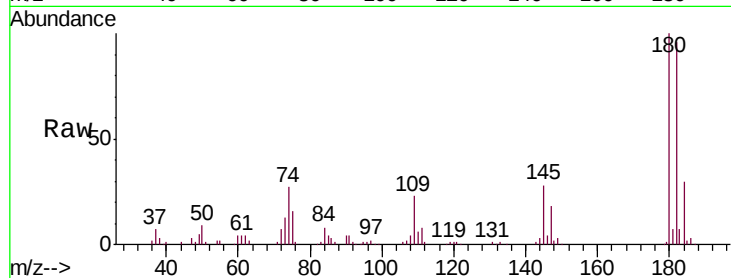




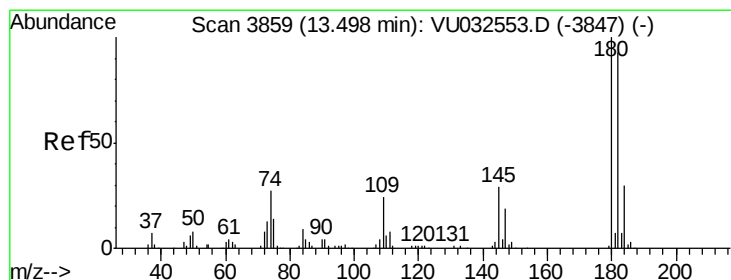
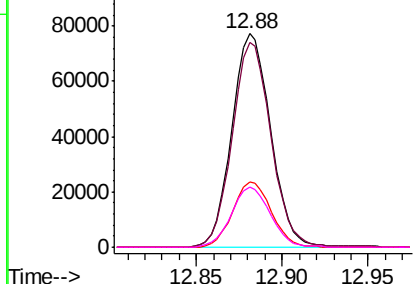
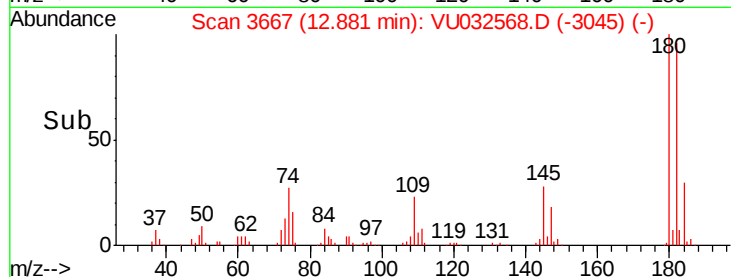
#67
 1,3,5-Trichlorobenzene
 Concen: 50.666 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU032568.D
 Acq: 10 Jun 2019 16:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Tgt Ion:180 Resp: 121704
 Ion Ratio Lower Upper
 180 100
 182 96.1 78.2 117.4
 184 30.5 24.2 36.2
 145 28.4 23.9 35.9

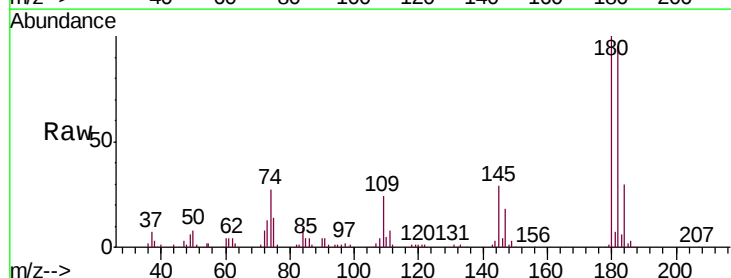


Abundance Ion 180.00 (179.70 to 180.70): V
 120000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

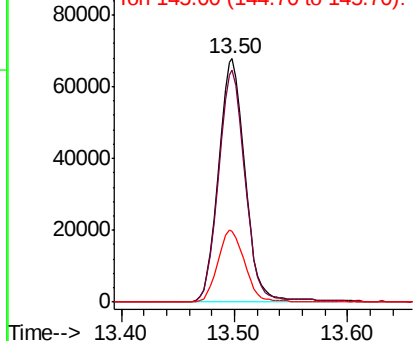
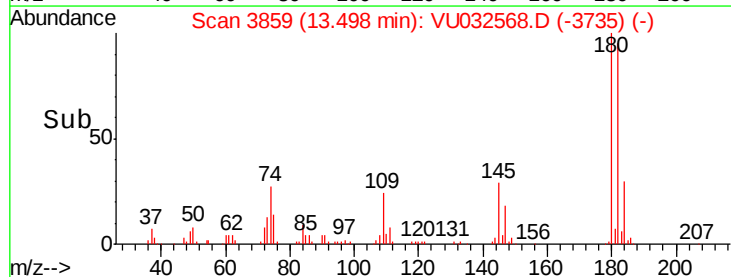


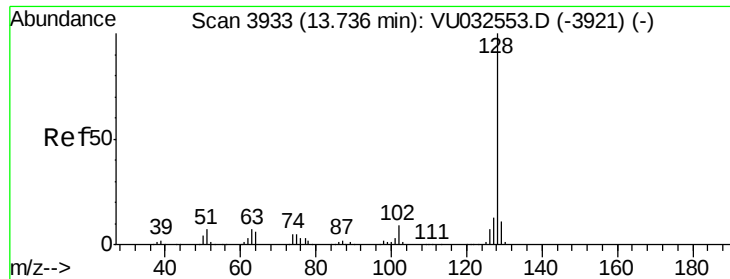
#68
 1,2,4-trichlorobenzene
 Concen: 54.558 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032568.D
 Acq: 10 Jun 2019 16:00

Tgt Ion:180 Resp: 111025
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.5 114.7
 145 29.8 23.8 35.6



Abundance Ion 180.00 (179.70 to 180.70): V
 80000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.118 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05041

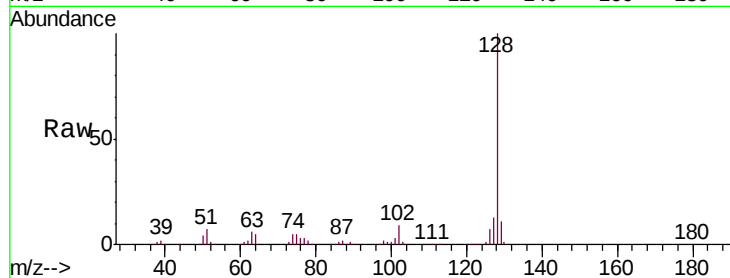
Tgt Ion:128 Resp: 340960

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

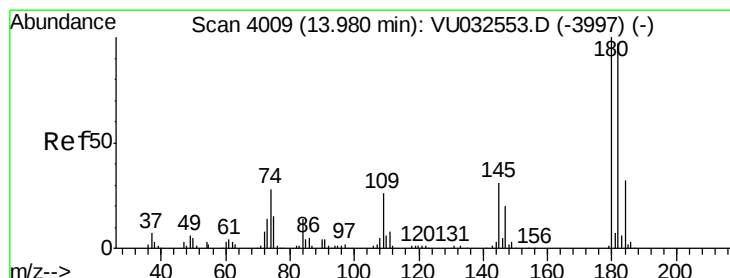
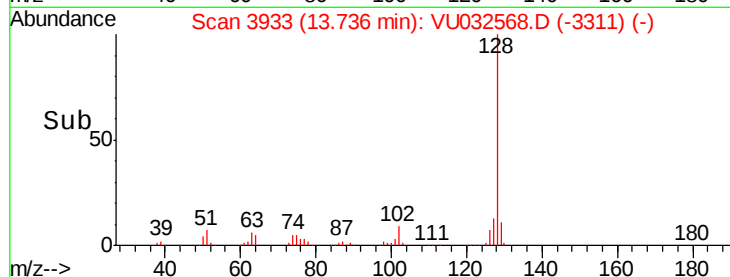
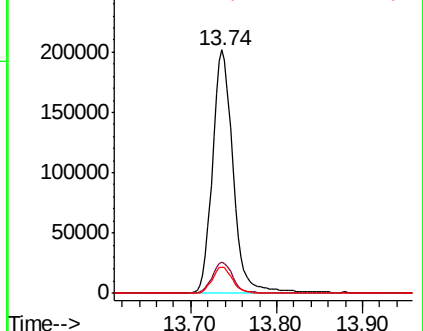
129 10.8 8.5 12.7



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: 53.136 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU032568.D

Acq: 10 Jun 2019 16:00

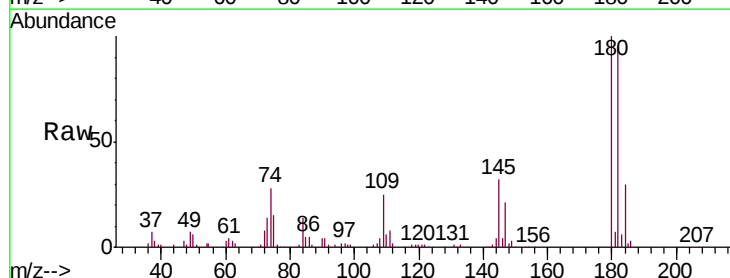
Tgt Ion:180 Resp: 112536

Ion Ratio Lower Upper

180 100

182 95.0 76.7 115.1

145 31.1 25.4 38.2



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

