

Data File : VU032654.D
Acq On : 12 Jun 2019 16:04
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Quant Time: Jun 13 05:06:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:01:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	169690	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	166166	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90714	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47254	42.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.84%
7) Chloroethane-d5	1.68	69	39540	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.38%
11) 1,1-Dichloroethene-d2	2.27	63	99029	45.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.88%
21) 2-Butanone-d5	4.17	46	95154	103.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.28%
24) Chloroform-d	4.64	84	104854	51.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.14%
26) 1,2-Dichloroethane-d4	5.31	65	66384	51.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.64%
32) Benzene-d6	5.33	84	192184	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.10%
36) 1,2-Dichloropropane-d6	6.32	67	63646	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.10%
41) Toluene-d8	7.56	98	180824	44.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.42%
43) trans-1,3-Dichloropropene-	7.85	79	31374	48.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.94%
47) 2-Hexanone-d5	8.31	63	67179	102.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	99041	50.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.06%
64) 1,2-Dichlorobenzene-d4	11.85	152	80678	46.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	79108	51.712	ug/L 99
3) Chloromethane	1.32	50	71225	48.183	ug/L 99
5) Vinyl chloride	1.40	62	71564	48.464	ug/L 100
6) Bromomethane	1.62	94	39366	44.736	ug/L 98
8) Chloroethane	1.69	64	42845	48.814	ug/L 96
9) Trichlorofluoromethane	1.88	101	104583	52.451	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	57678	55.620	ug/L 99
12) 1,1-Dichloroethene	2.28	96	53532	53.165	ug/L 81
13) Acetone	2.32	43	87962	92.530	ug/L 99
14) Carbon disulfide	2.47	76	151192	49.419	ug/L 99
15) Methyl Acetate	2.61	43	73158	53.900	ug/L 100
16) Methylene chloride	2.69	84	62159	54.102	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	57033	52.271	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	184124	51.365	ug/L 98
19) 1,1-Dichloroethane	3.44	63	107575	54.082	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	63594	51.500	ug/L 95
22) 2-Butanone	4.25	43	113962	101.431	ug/L 97

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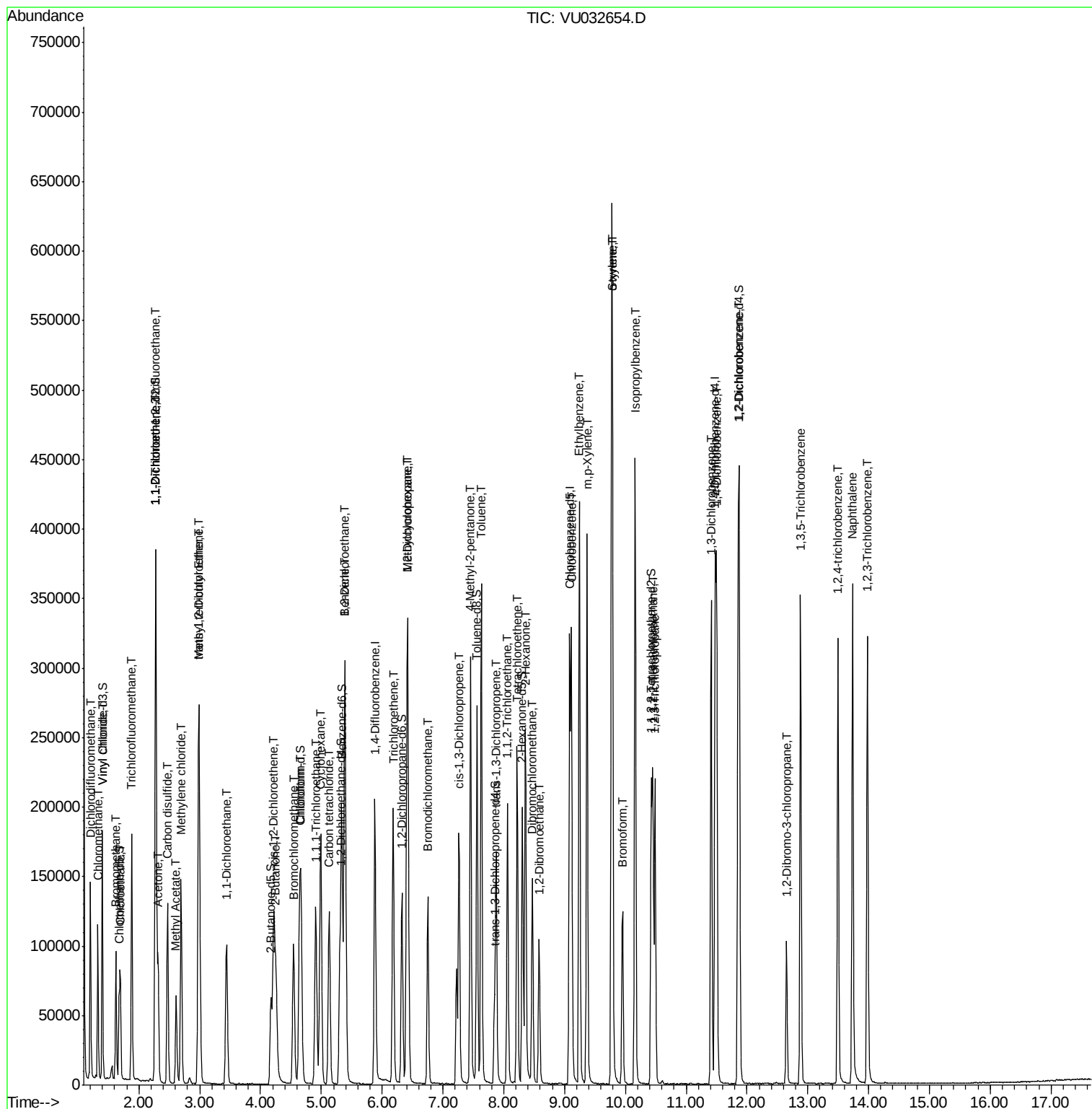
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	33812	52.662	ug/L	96
25) Chloroform	4.67	83	110530	53.848	ug/L	99
27) 1,2-Dichloroethane	5.40	62	89622	55.231	ug/L	100
29) Cyclohexane	4.99	56	95937	48.540	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	97265	51.707	ug/L	97
31) Carbon tetrachloride	5.13	117	88692	51.444	ug/L	100
33) Benzene	5.38	78	236900	50.742	ug/L	100
34) Trichloroethene	6.18	95	64975	51.154	ug/L	98
35) Methylcyclohexane	6.41	83	101301	49.264	ug/L	99
37) 1,2-Dichloropropane	6.43	63	64557	52.162	ug/L	100
38) Bromodichloromethane	6.75	83	86018	53.978	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	101613	52.038	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	205840	103.383	ug/L	98
42) Toluene	7.63	91	259581	50.768	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	90628	52.290	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	61492	52.542	ug/L	100
46) Tetrachloroethene	8.22	164	53338	50.843	ug/L	97
48) 2-Hexanone	8.36	43	162767	99.531	ug/L	99
49) Dibromochloromethane	8.47	129	73533	54.055	ug/L	99
50) 1,2-Dibromoethane	8.58	107	67380	51.149	ug/L	100
51) Chlorobenzene	9.12	112	168445	51.134	ug/L	99
52) Ethylbenzene	9.24	91	289469	50.790	ug/L	100
53) m,p-Xylene	9.37	106	109695	50.617	ug/L	96
54) o-xylene	9.77	106	107011	49.732	ug/L	97
55) Styrene	9.79	104	185760	51.712	ug/L	99
56) Isopropylbenzene	10.16	105	286828	50.552	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	103524	51.755	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	84329	52.415	ug/L	100
61) Bromoform	9.95	173	55972	51.752	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	137193	49.989	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	139455	49.702	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	139862	50.406	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	24768	53.055	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	110952	51.962	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	99524	55.018	ug/L	99
69) Naphthalene	13.74	128	292048	51.184	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	102341	54.361	ug/L	99

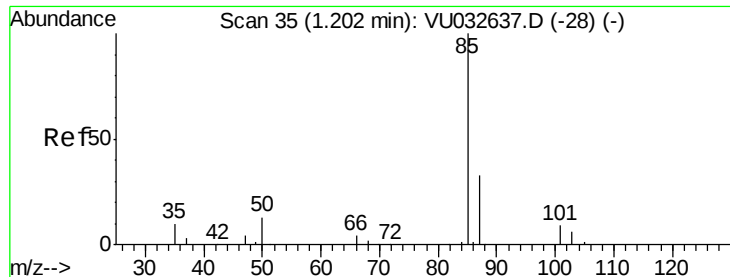
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 51.712 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

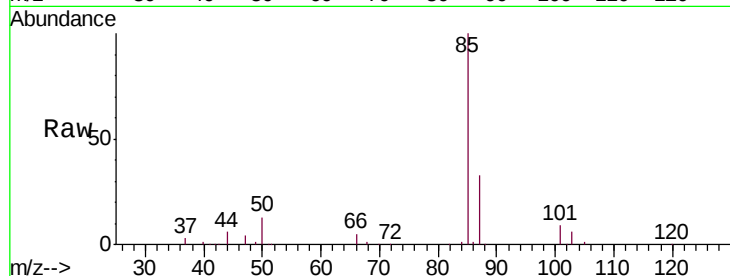
VSTD05047

Tgt Ion: 85 Resp: 79108

Ion Ratio Lower Upper

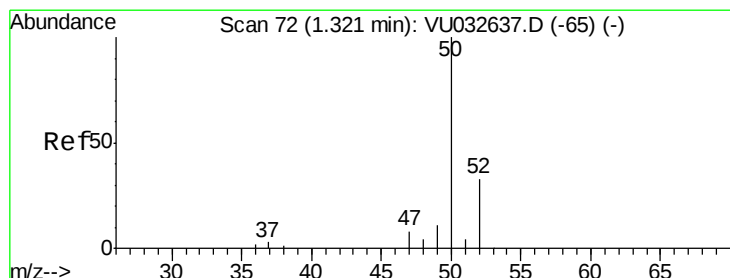
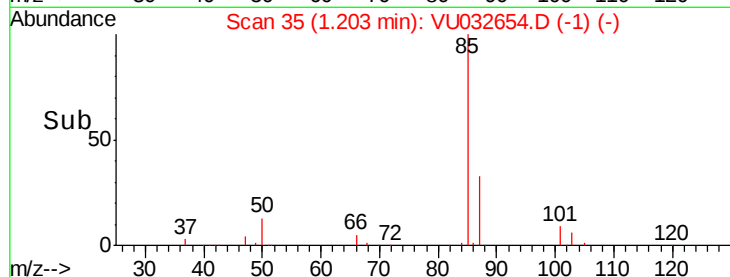
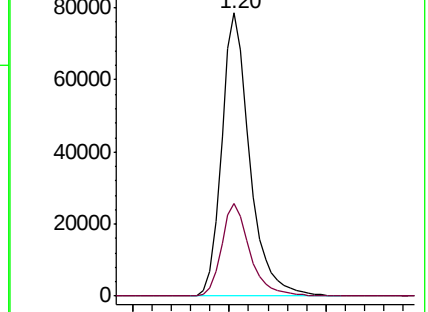
85 100

87 32.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032637.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032637.D (-28) (-)



#3

Chloromethane

Concen: 48.183 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032654.D

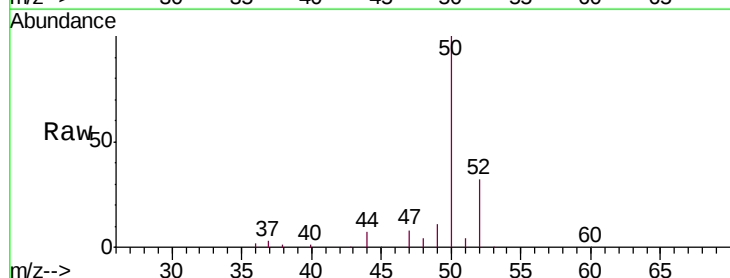
Acq: 12 Jun 2019 16:04

Tgt Ion: 50 Resp: 71225

Ion Ratio Lower Upper

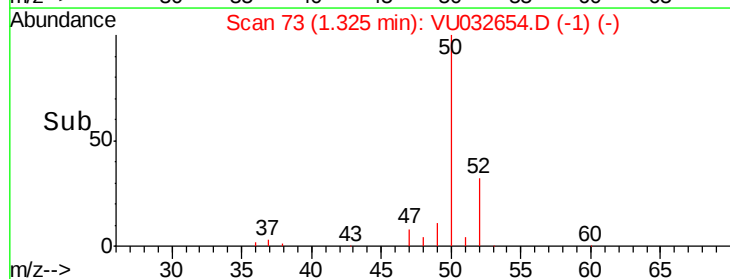
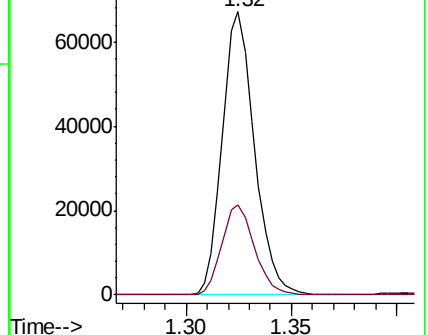
50 100

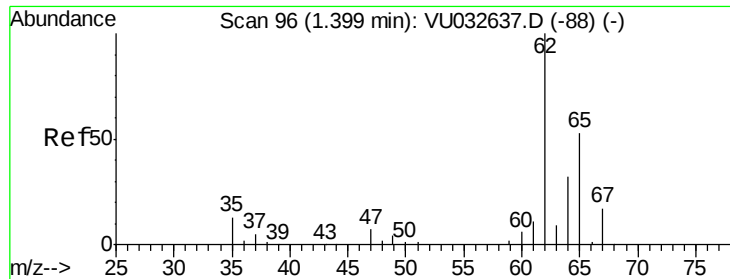
52 32.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032637.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU032637.D (-65) (-)





#5

Vinyl chloride

Concen: 48.464 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

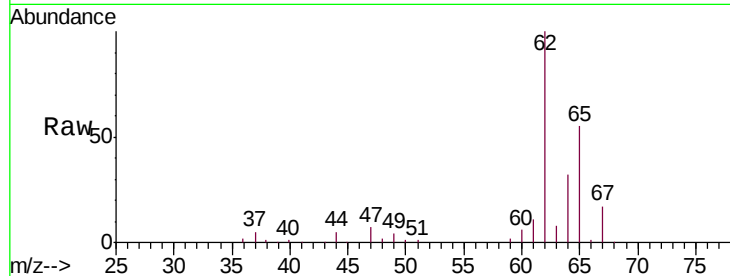
VSTD05047

Tgt Ion: 62 Resp: 71564

Ion Ratio Lower Upper

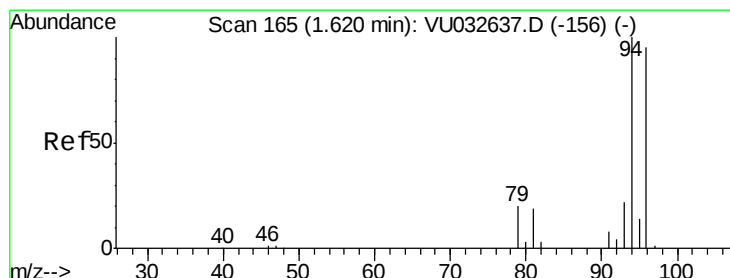
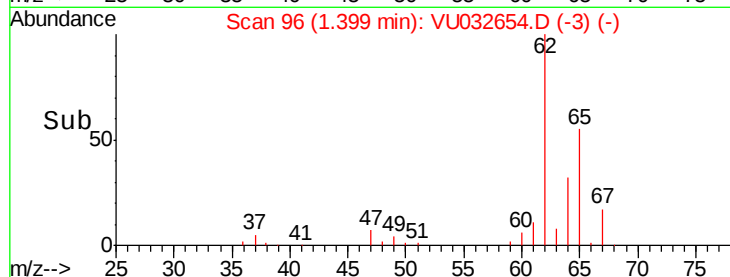
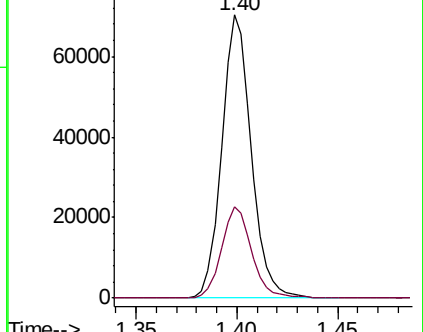
62 100

64 32.2 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032637.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032637.D (-88) (-)



#6

Bromomethane

Concen: 44.736 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU032654.D

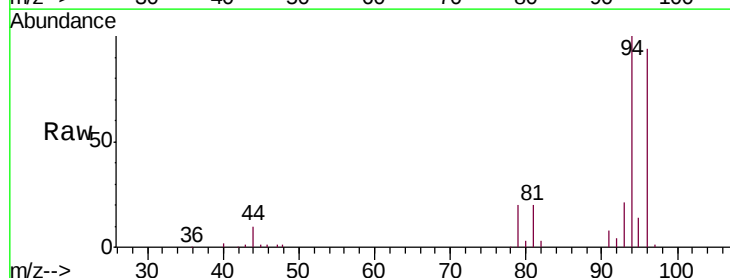
Acq: 12 Jun 2019 16:04

Tgt Ion: 94 Resp: 39366

Ion Ratio Lower Upper

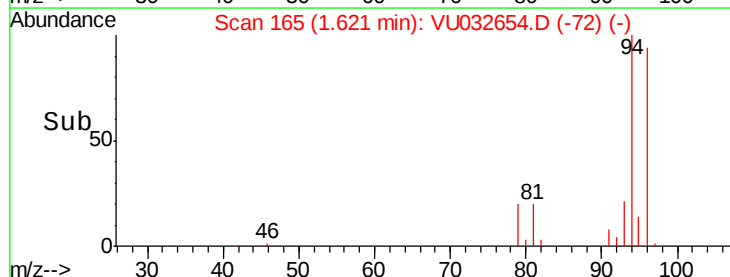
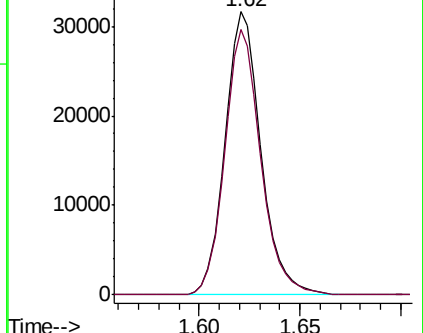
94 100

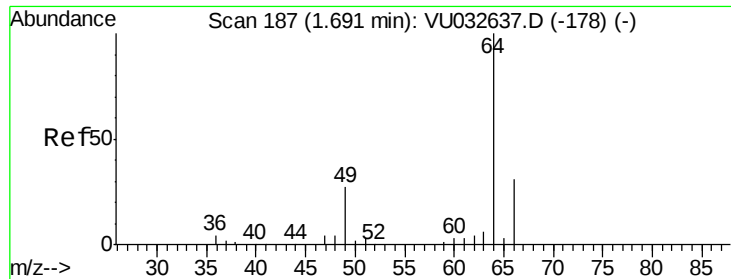
96 93.9 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032637.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032637.D (-156) (-)

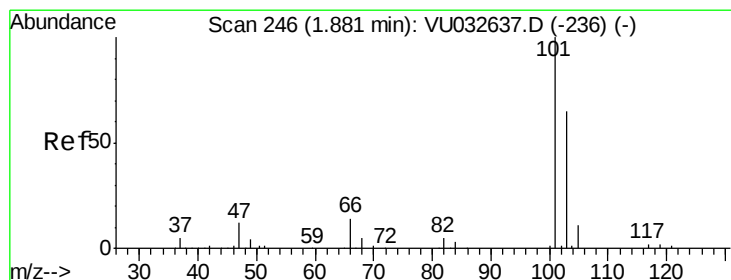
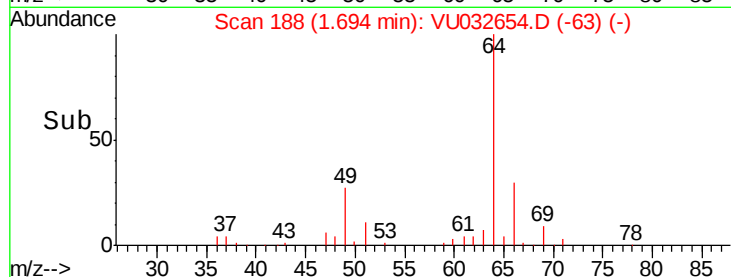
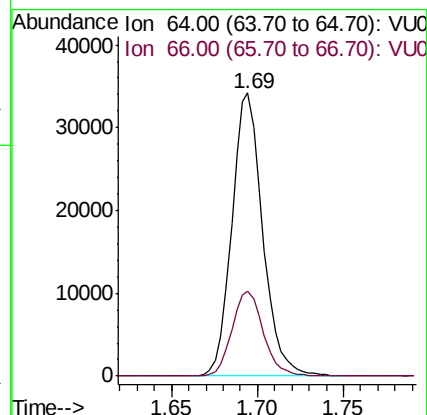
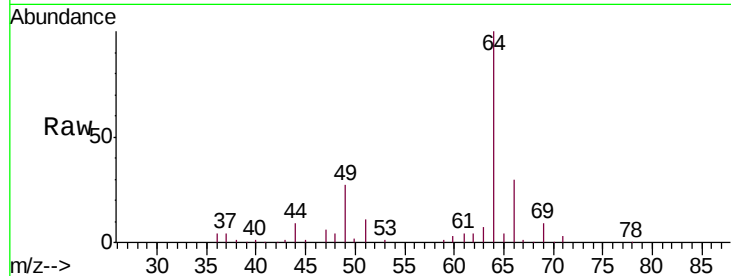




#8
Chloroethane
Concen: 48.814 ug/L
RT: 1.69 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU032654.D
Acq: 12 Jun 2019 16:04

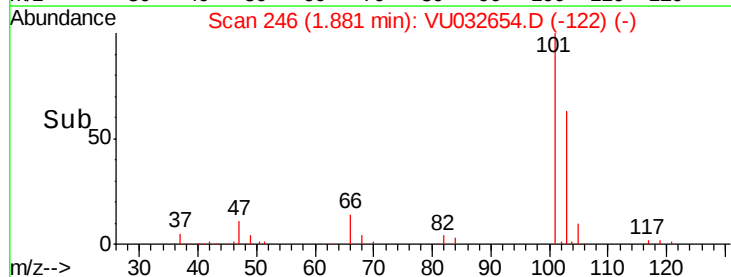
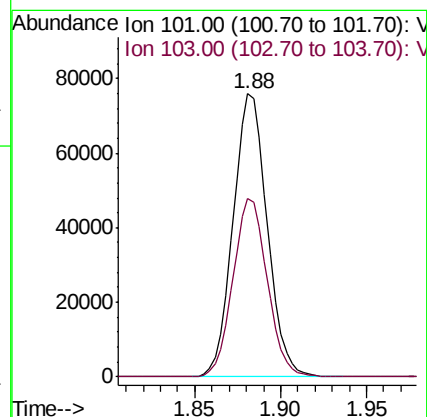
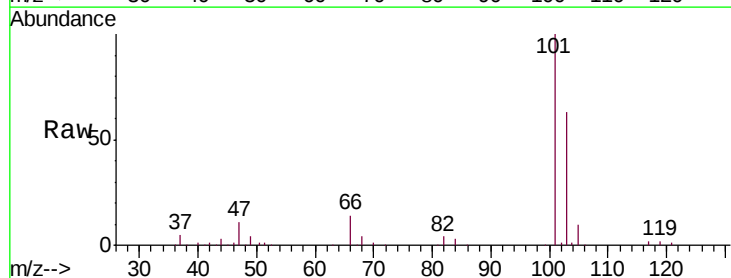
Instrument :
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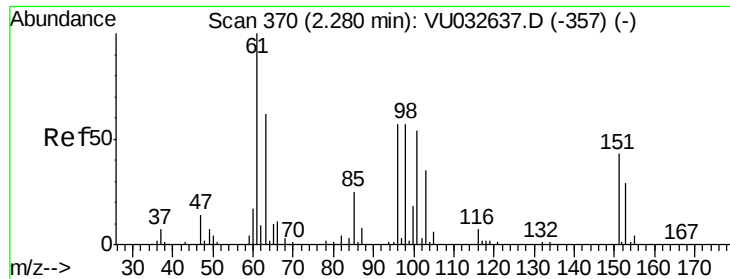
Tgt Ion: 64 Resp: 42845
Ion Ratio Lower Upper
64 100
66 30.2 22.9 42.5



#9
Trichlorofluoromethane
Concen: 52.451 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU032654.D
Acq: 12 Jun 2019 16:04

Tgt Ion: 101 Resp: 104583
Ion Ratio Lower Upper
101 100
103 63.3 52.5 78.7





#10

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

Concen: 55.620 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

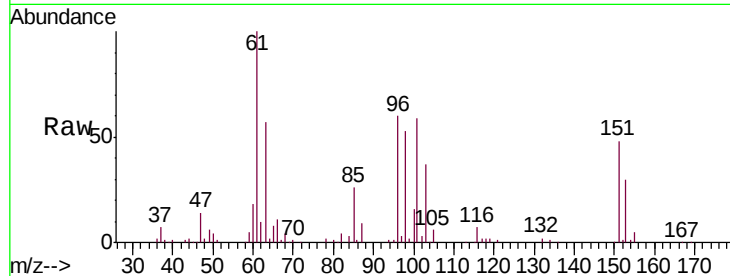
Tgt Ion:101 Resp: 57678

Ion Ratio Lower Upper

101 100

85 45.0 36.1 54.1

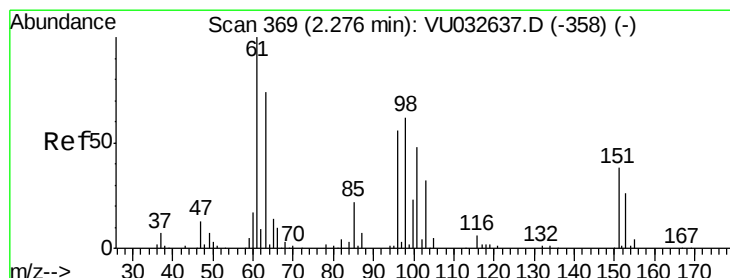
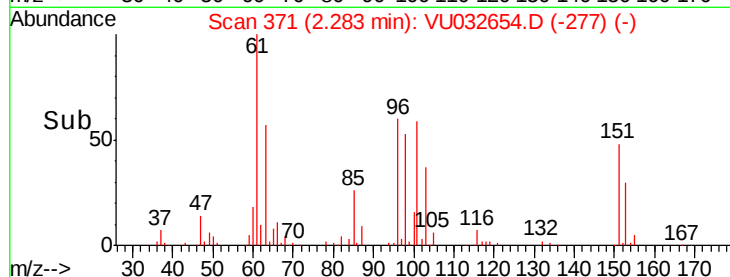
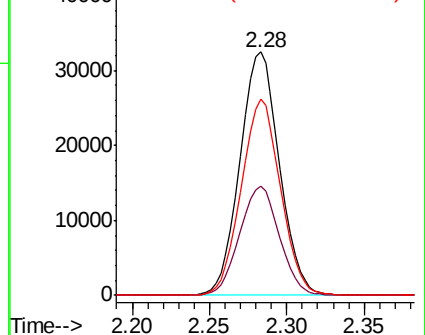
151 80.0 63.0 94.4



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: 53.165 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

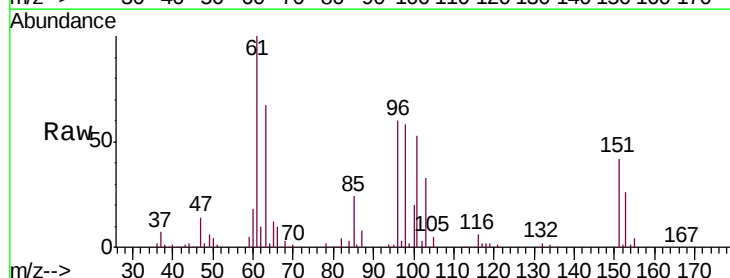
Tgt Ion: 96 Resp: 53532

Ion Ratio Lower Upper

96 100

61 167.7 129.5 240.5

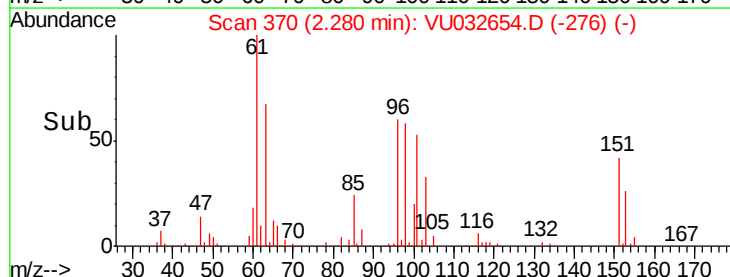
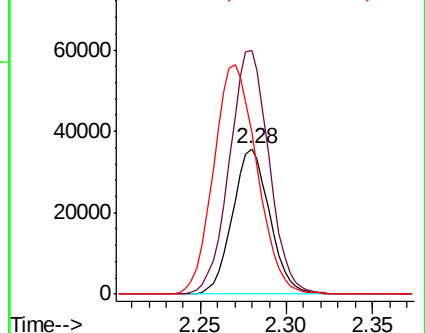
63 111.8 103.4 192.0

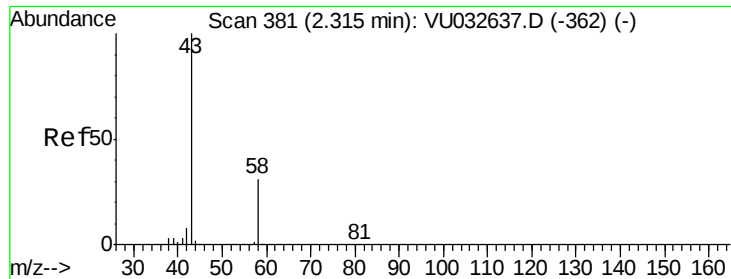


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 92.530 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

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ClientSampleId :

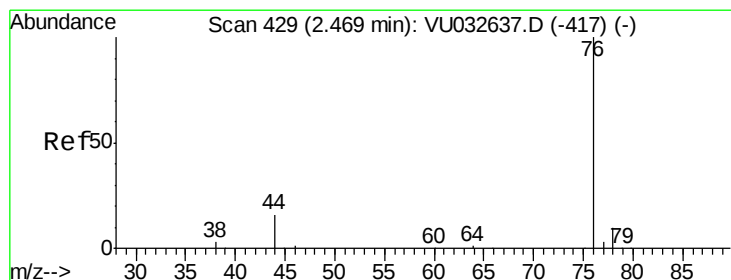
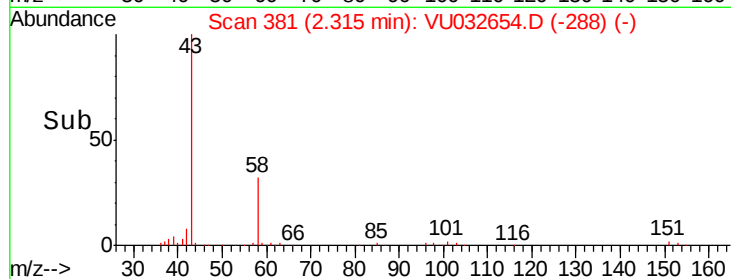
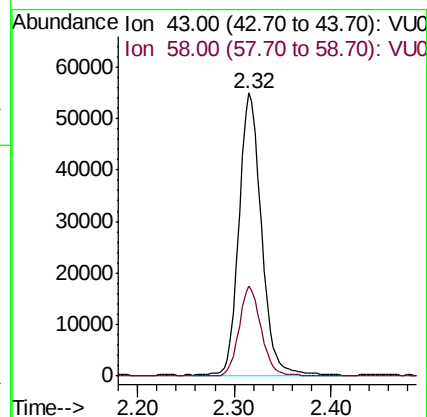
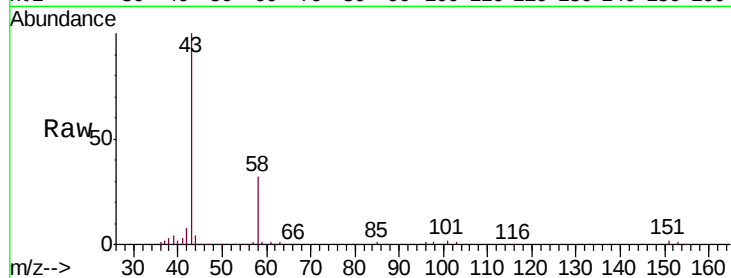
VSTD05047

Tgt Ion: 43 Resp: 87962

Ion Ratio Lower Upper

43 100

58 31.6 0.0 64.0



#14

Carbon disulfide

Concen: 49.419 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032654.D

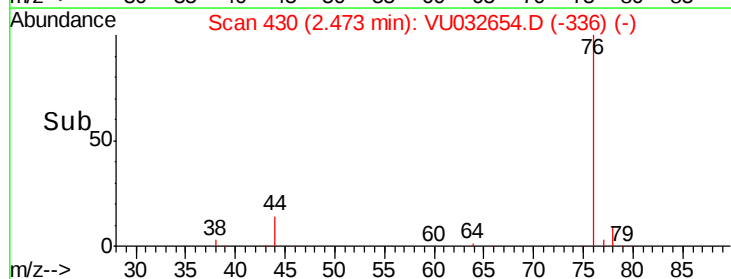
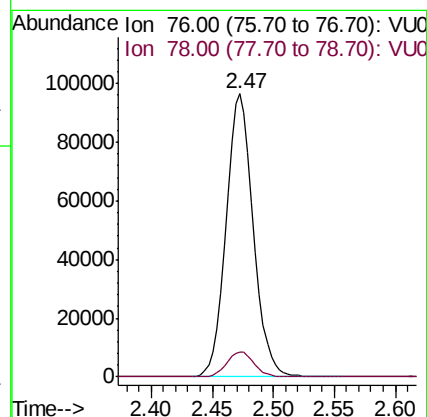
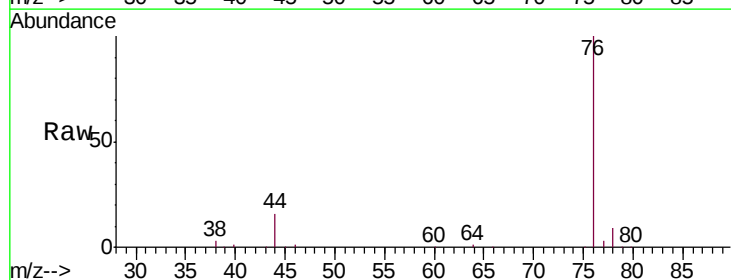
Acq: 12 Jun 2019 16:04

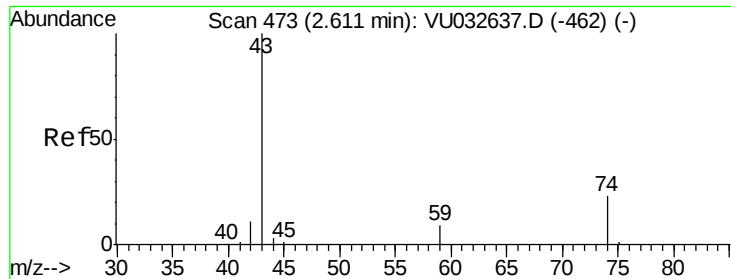
Tgt Ion: 76 Resp: 151192

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4

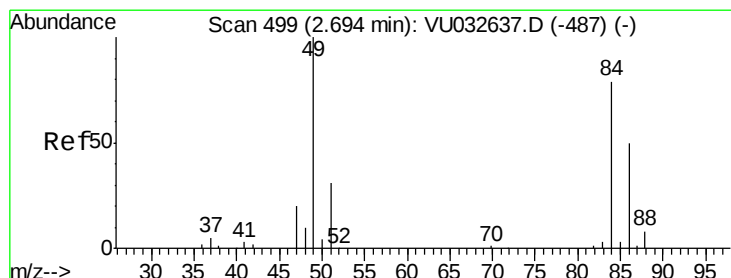
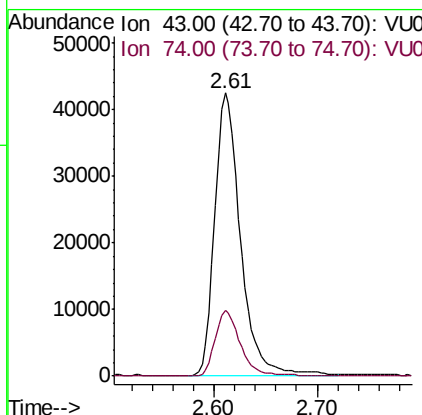
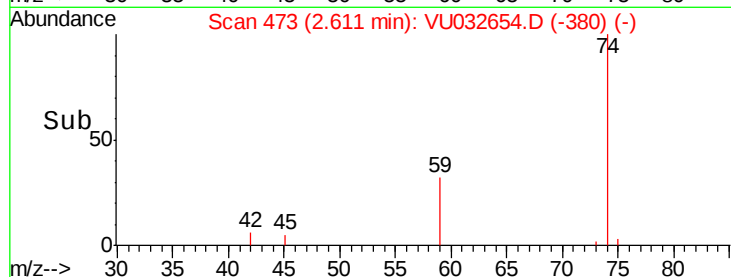
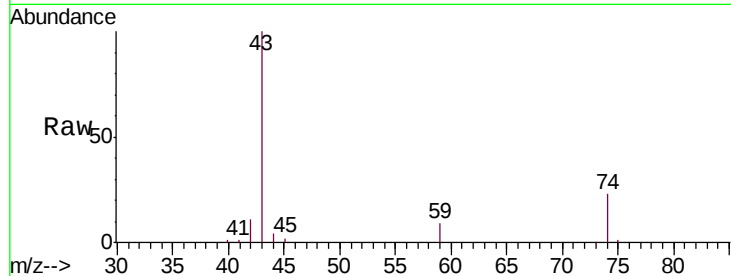




#15
Methyl Acetate
Concen: 53.900 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU032654.D
Acq: 12 Jun 2019 16:04

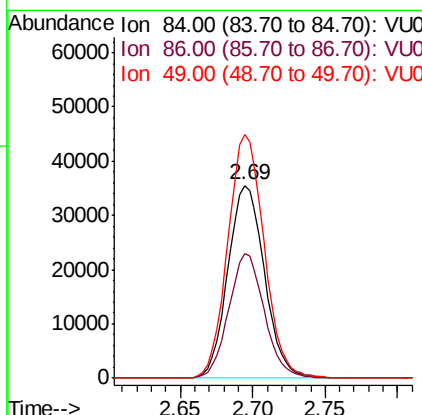
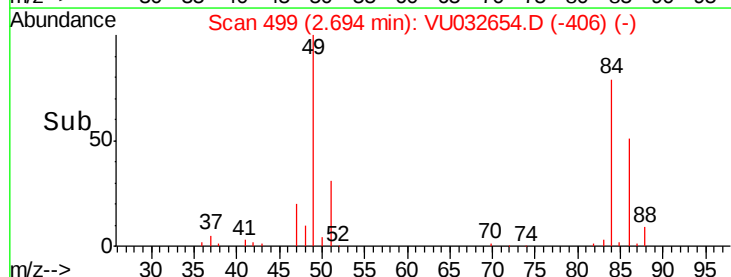
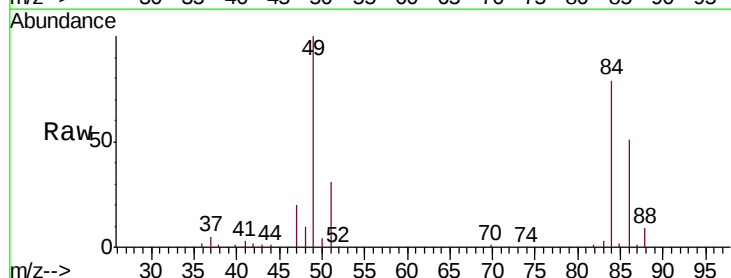
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

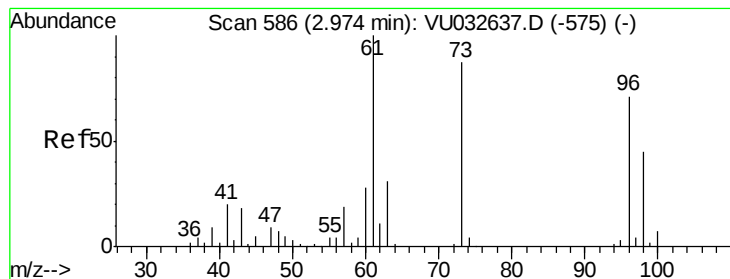
Tgt Ion: 43 Resp: 73158
Ion Ratio Lower Upper
43 100
74 22.7 18.0 27.0



#16
Methylene chloride
Concen: 54.102 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032654.D
Acq: 12 Jun 2019 16:04

Tgt Ion: 84 Resp: 62159
Ion Ratio Lower Upper
84 100
86 64.9 44.7 82.9
49 126.4 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 52.271 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

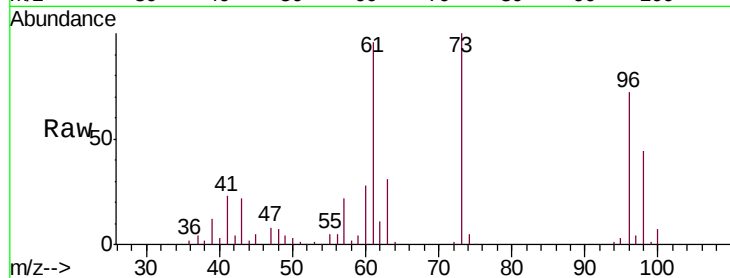
Tgt Ion: 96 Resp: 57033

Ion Ratio Lower Upper

96 100

61 133.6 95.7 177.7

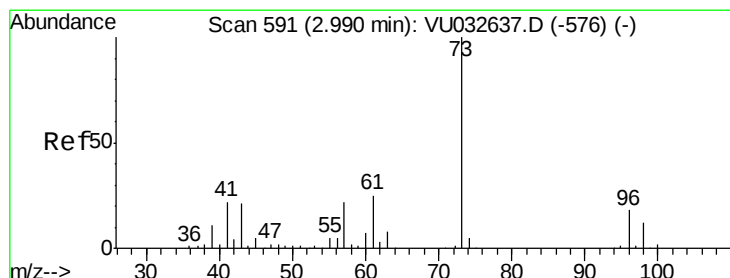
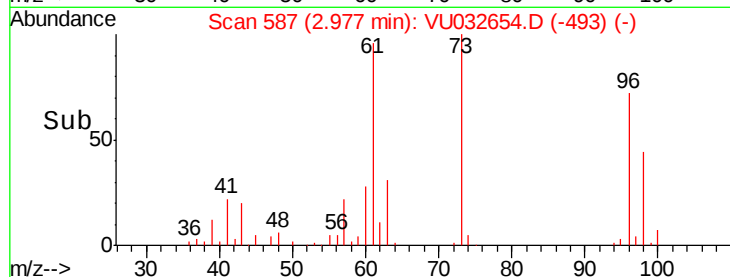
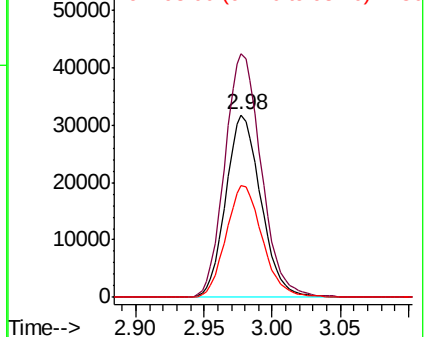
98 61.0 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032637.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VU032637.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VU032637.D (-575) (-)



#18

Methyl tert-butyl Ether

Concen: 51.365 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

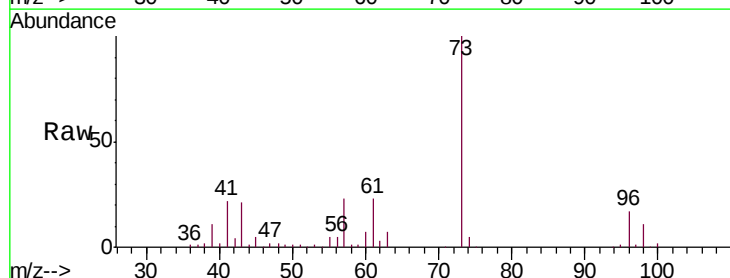
Tgt Ion: 73 Resp: 184124

Ion Ratio Lower Upper

73 100

43 21.4 15.8 23.6

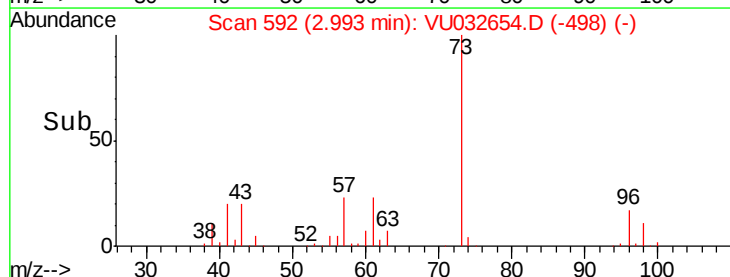
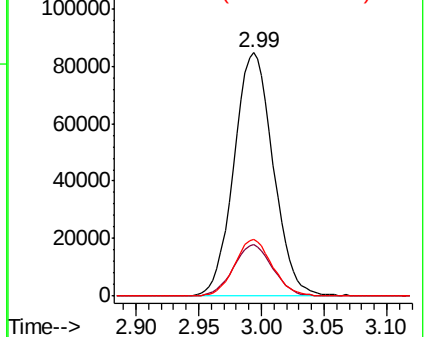
57 22.5 17.6 26.4

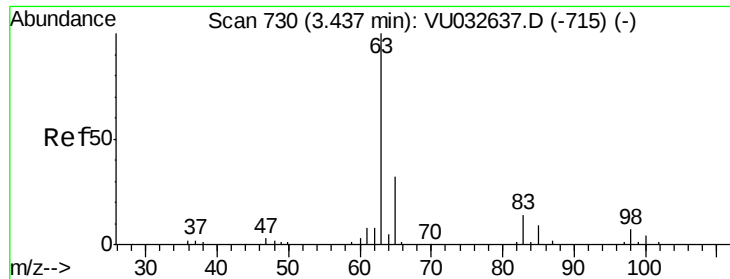


Abundance Ion 73.00 (72.70 to 73.70): VU032637.D (-576) (-)

Ion 43.00 (42.70 to 43.70): VU032637.D (-576) (-)

Ion 57.00 (56.70 to 57.70): VU032637.D (-576) (-)

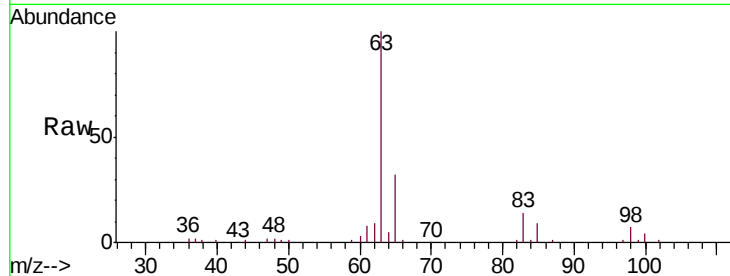




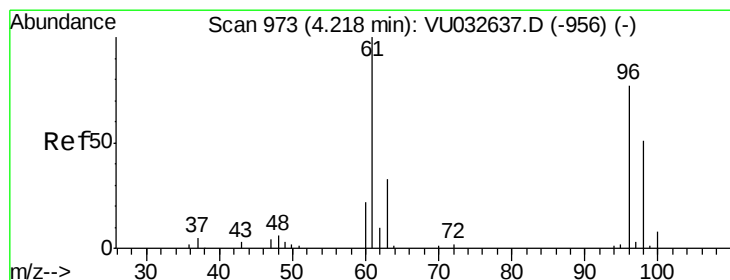
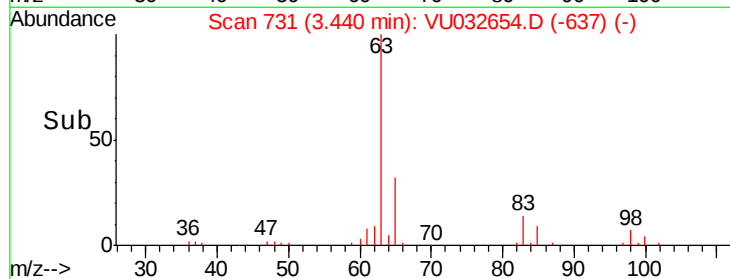
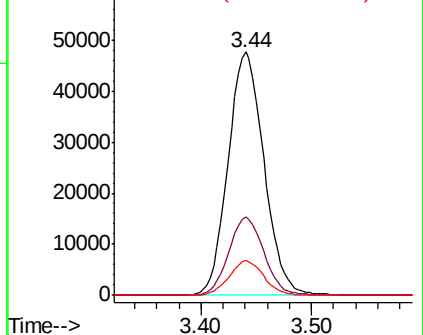
#19
 1,1-Dichloroethane
 Concen: 54.082 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU032654.D
 Acq: 12 Jun 2019 16:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion: 63 Resp: 107575
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.8 40.6
 83 14.2 9.8 18.2

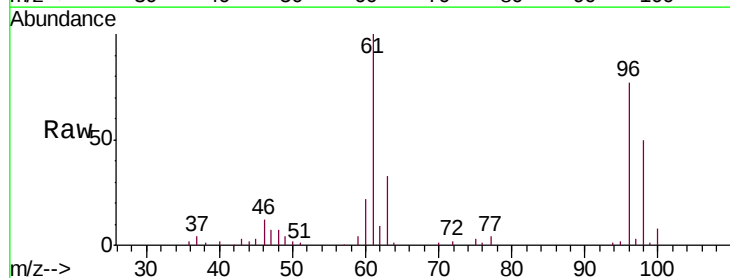


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

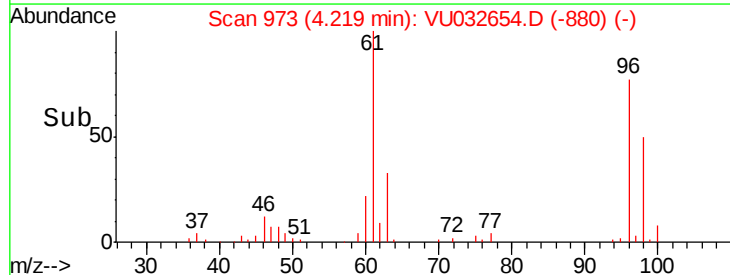
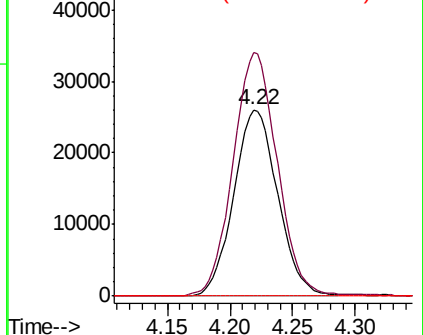


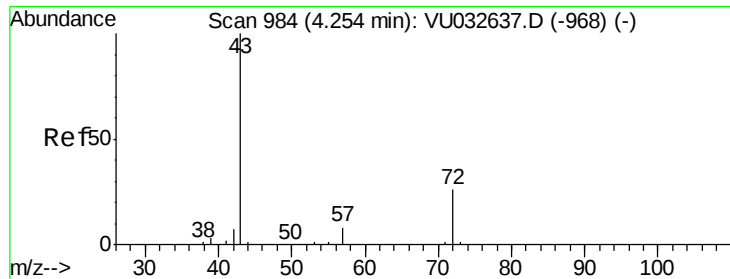
#20
 cis-1,2-Dichloroethene
 Concen: 51.500 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032654.D
 Acq: 12 Jun 2019 16:04

Tgt Ion: 96 Resp: 63594
 Ion Ratio Lower Upper
 96 100
 61 130.6 87.2 162.0
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 101.431 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

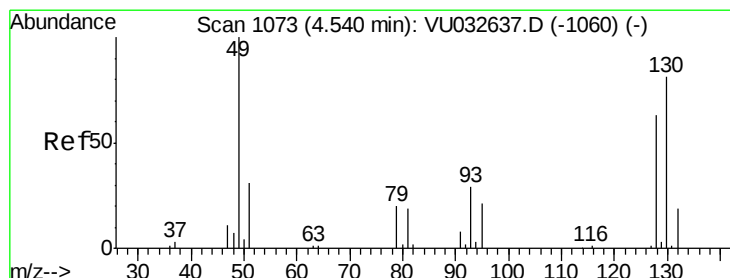
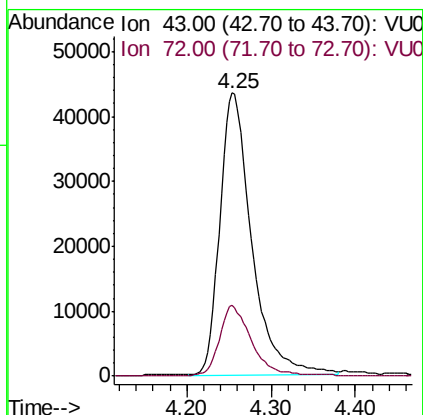
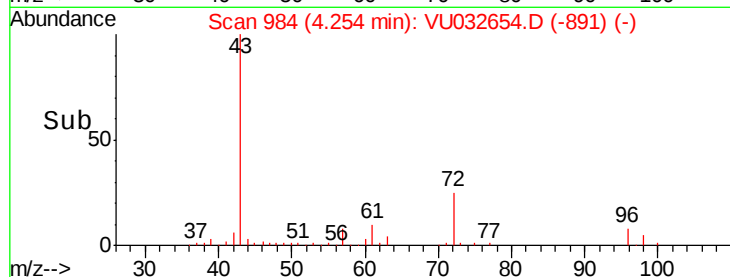
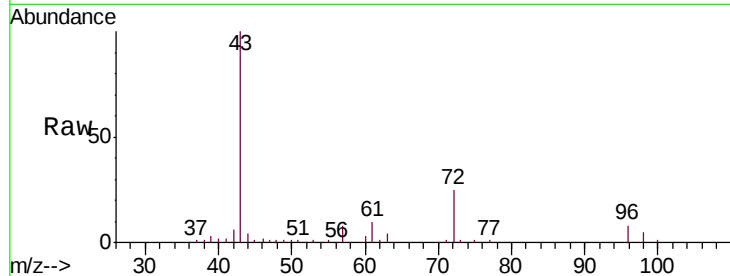
VSTD05047

Tgt Ion: 43 Resp: 113962

Ion Ratio Lower Upper

43 100

72 24.8 13.1 39.3



#23

Bromochloromethane

Concen: 52.662 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Tgt Ion: 128 Resp: 33812

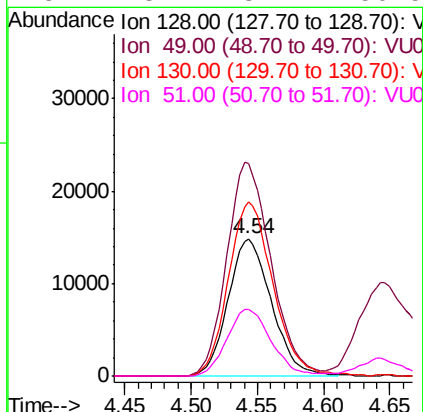
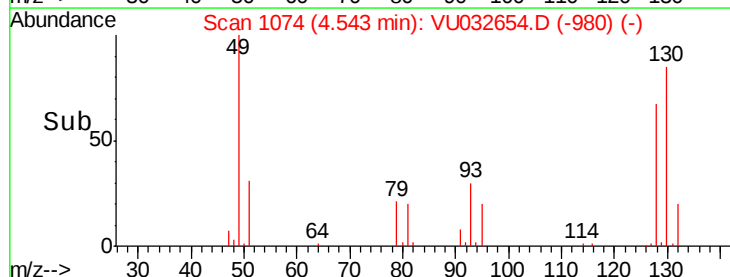
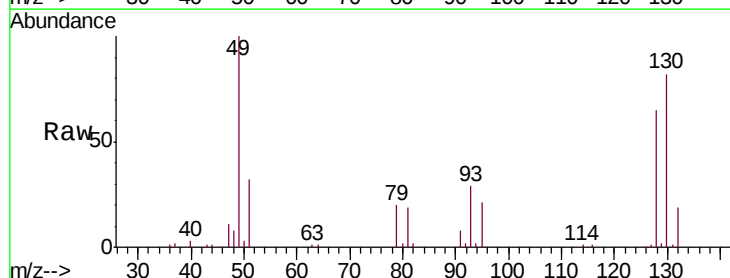
Ion Ratio Lower Upper

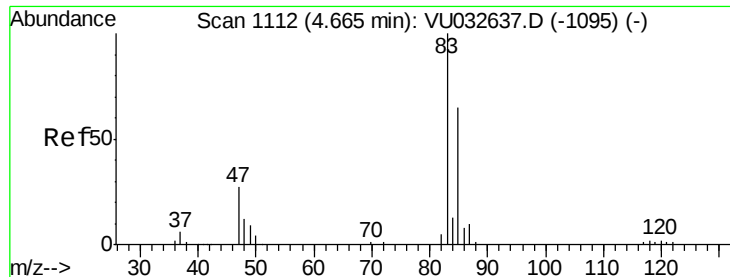
128 100

49 154.3 103.7 192.5

130 126.7 92.2 171.2

51 48.7 37.7 56.5

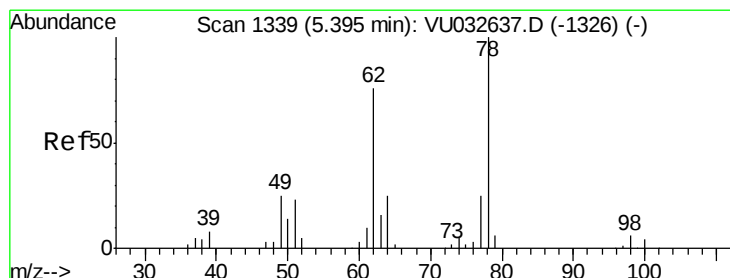
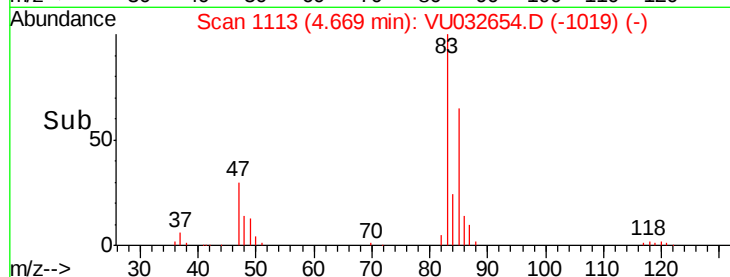
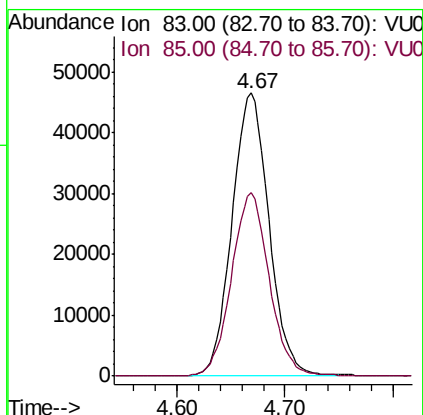
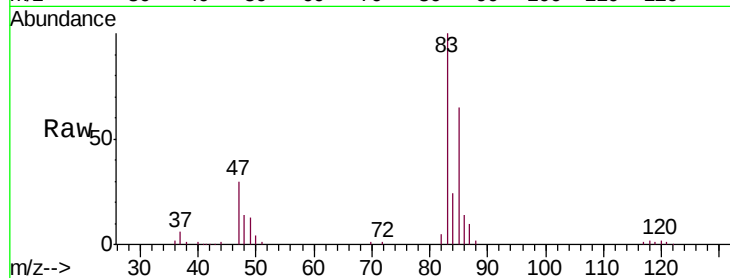




#25
Chloroform
Concen: 53.848 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032654.D
Acq: 12 Jun 2019 16:04

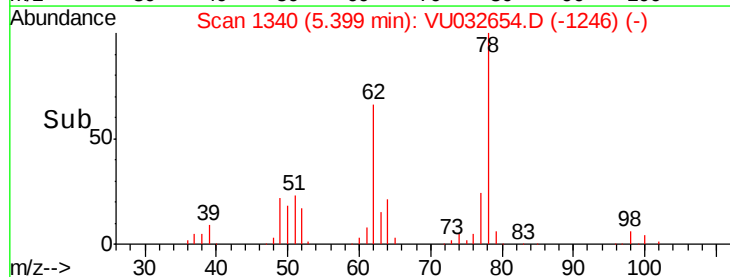
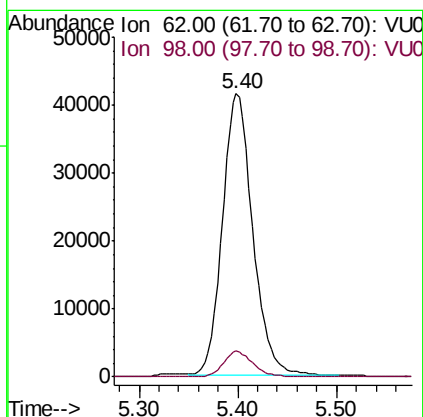
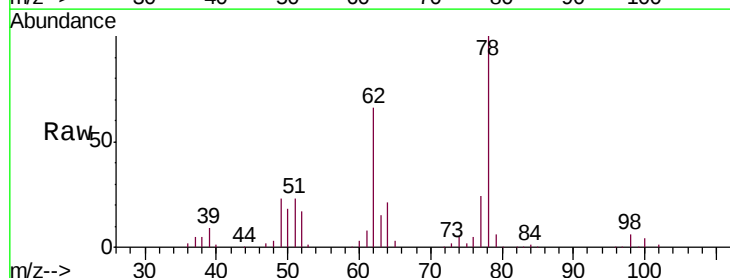
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

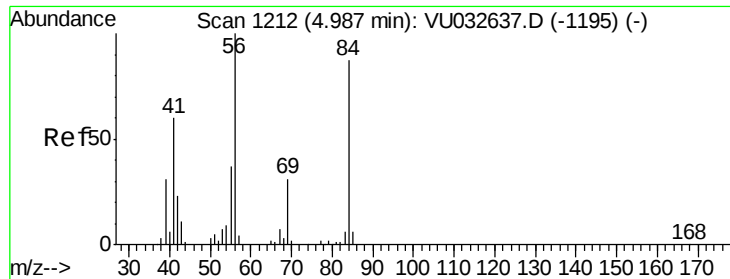
Tgt Ion: 83 Resp: 110530
Ion Ratio Lower Upper
83 100
85 64.8 44.7 82.9



#27
1,2-Dichloroethane
Concen: 55.231 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032654.D
Acq: 12 Jun 2019 16:04

Tgt Ion: 62 Resp: 89622
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8

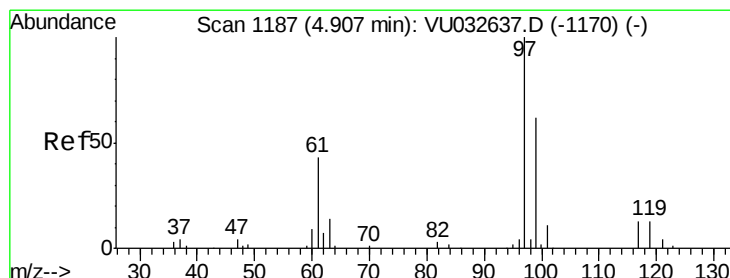
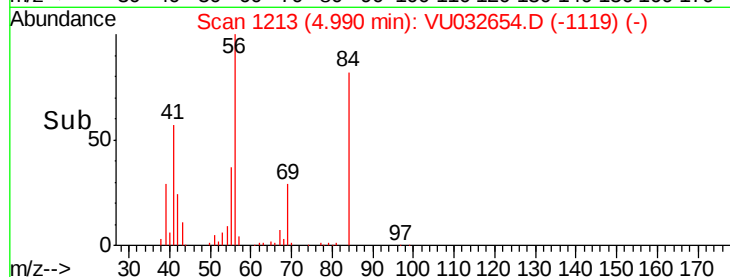
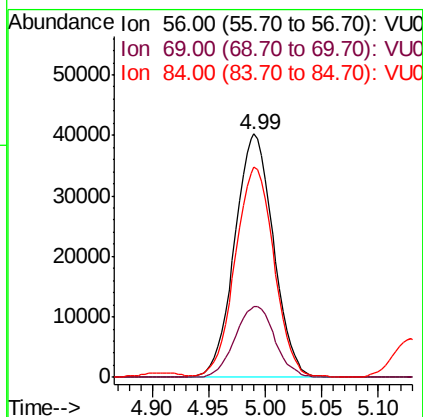
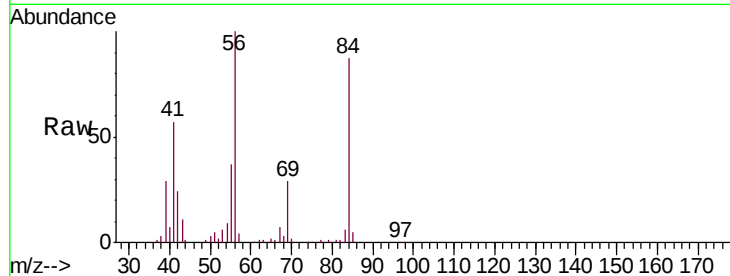




#29
Cyclohexane
Concen: 48.540 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU032654.D
Acq: 12 Jun 2019 16:04

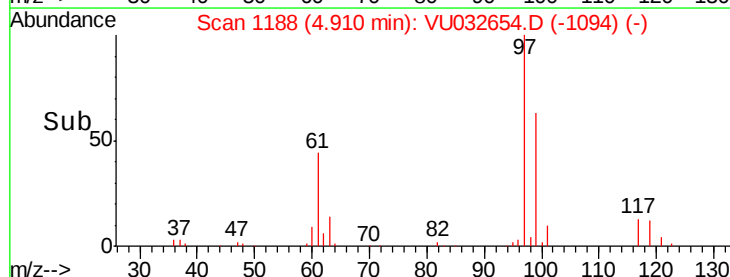
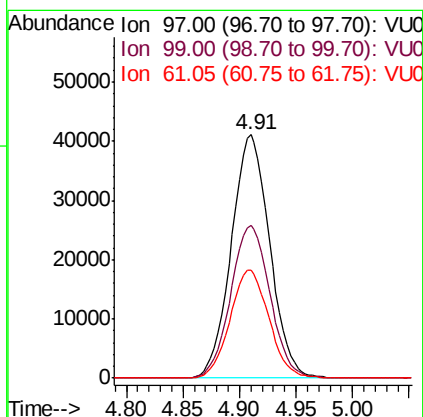
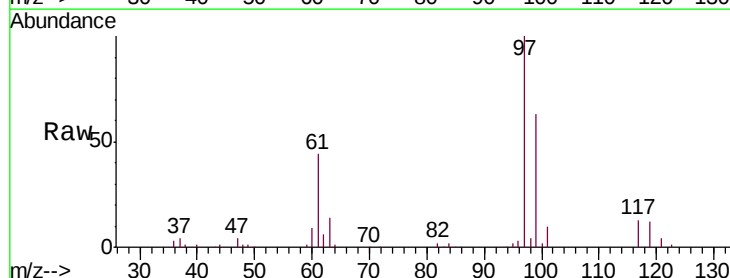
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

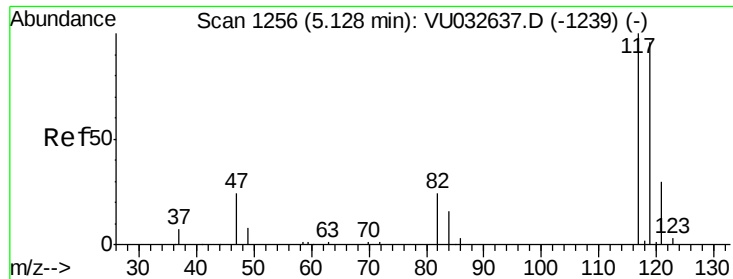
Tgt Ion: 56 Resp: 95937
Ion Ratio Lower Upper
56 100
69 29.7 24.7 37.1
84 86.7 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 51.707 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU032654.D
Acq: 12 Jun 2019 16:04

Tgt Ion: 97 Resp: 97265
Ion Ratio Lower Upper
97 100
99 64.2 50.5 75.7
61 45.0 33.8 50.6





#31

Carbon tetrachloride

Concen: 51.444 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

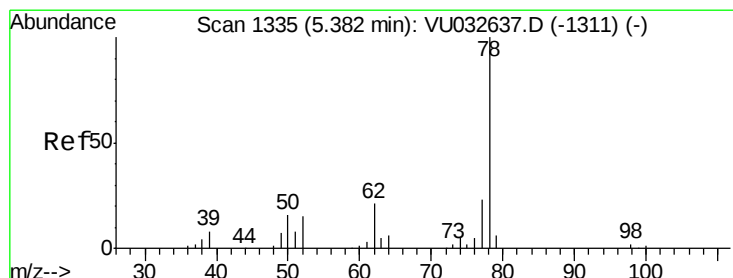
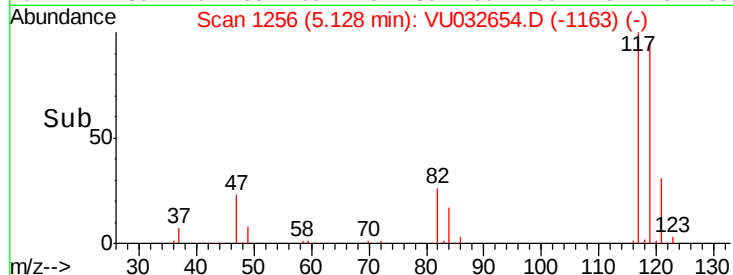
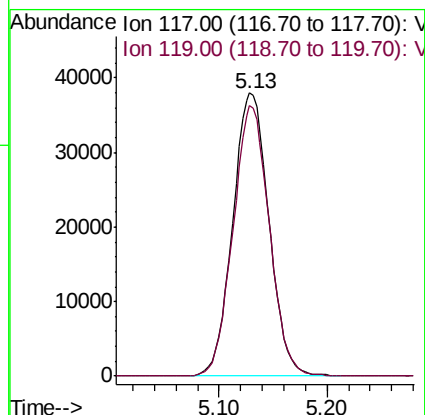
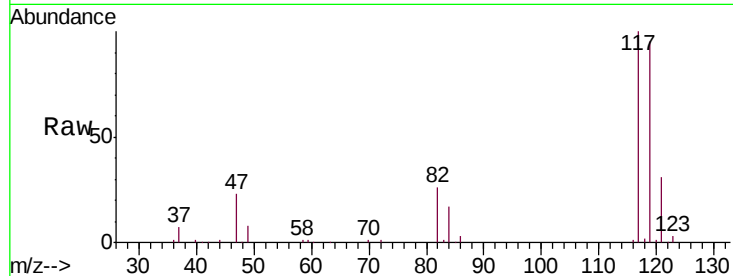
VSTD05047

Tgt Ion:117 Resp: 88692

Ion Ratio Lower Upper

117 100

119 95.6 76.6 114.8



#33

Benzene

Concen: 50.742 ug/L

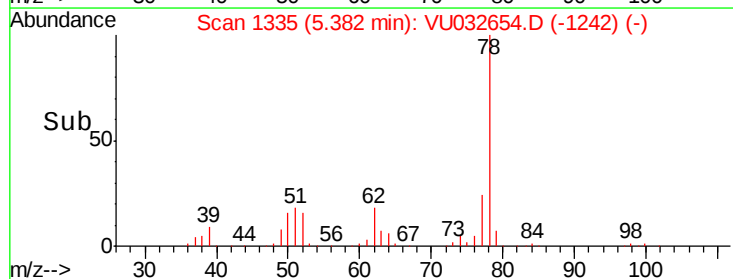
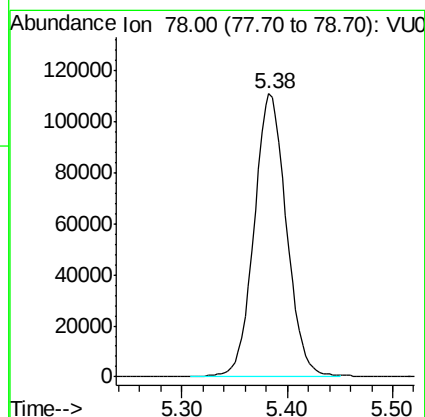
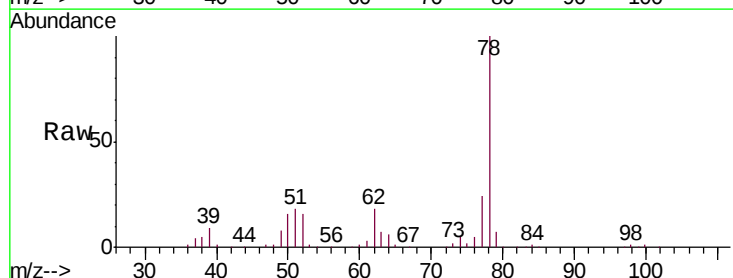
RT: 5.38 min Scan# 1335

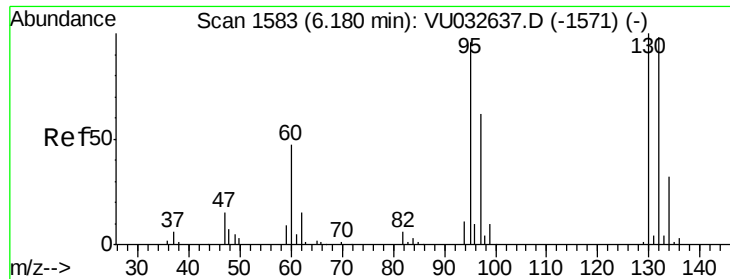
Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Tgt Ion: 78 Resp: 236900





#34

Trichloroethene

Concen: 51.154 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

Tgt Ion: 95 Resp: 64975

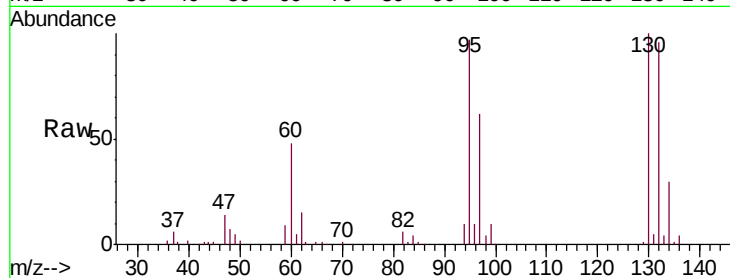
Ion Ratio Lower Upper

95 100

97 64.0 45.8 85.2

132 99.1 71.0 131.8

130 103.5 73.4 136.2

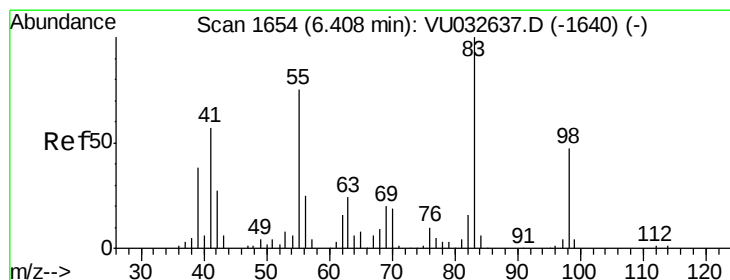
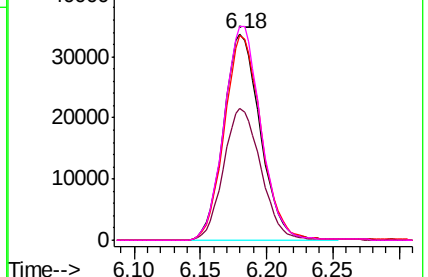
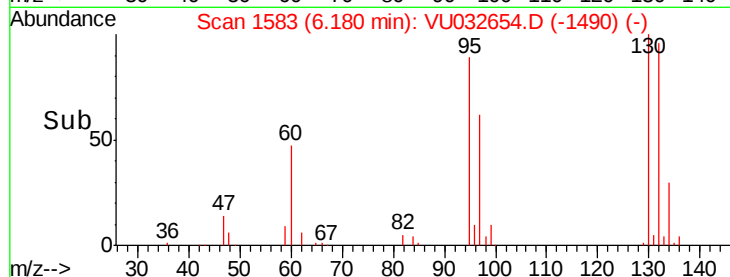


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 49.264 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

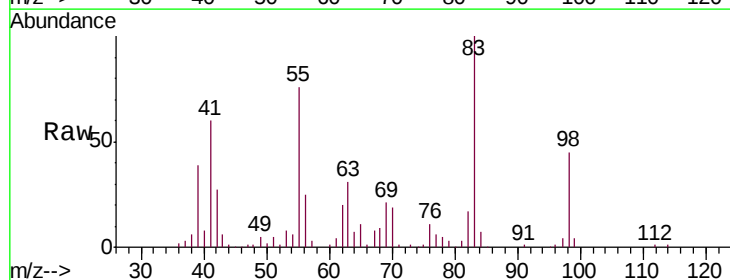
Tgt Ion: 83 Resp: 101301

Ion Ratio Lower Upper

83 100

55 76.4 60.2 90.4

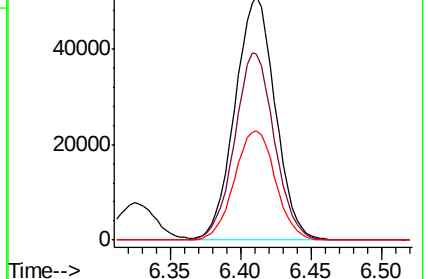
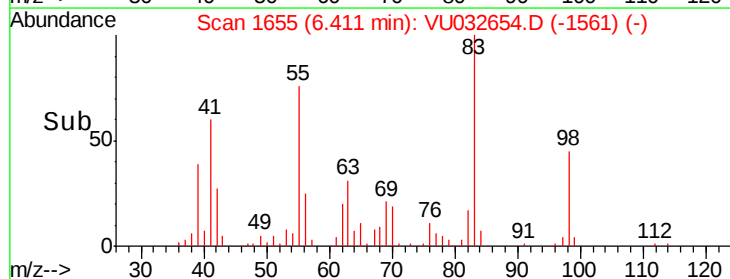
98 46.1 37.4 56.2

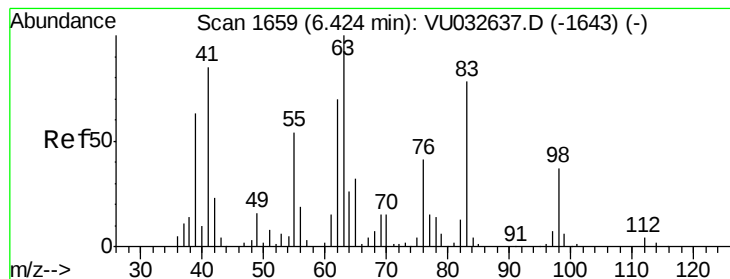


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 52.162 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

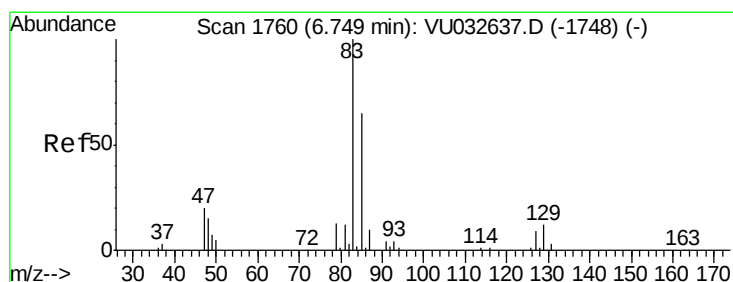
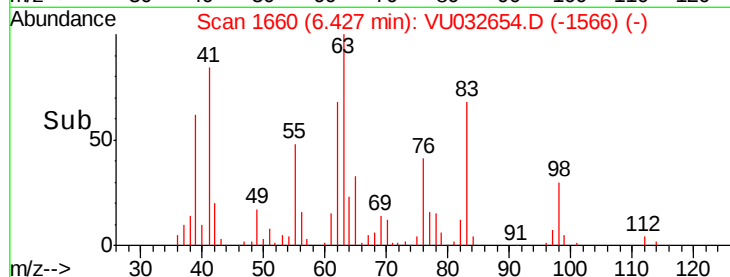
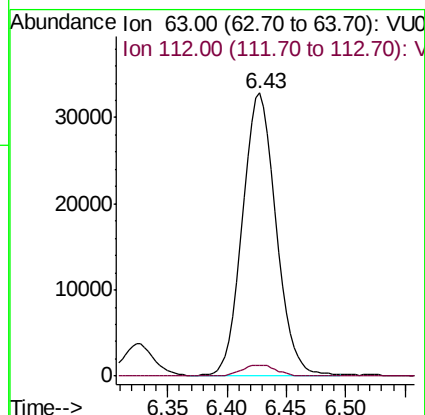
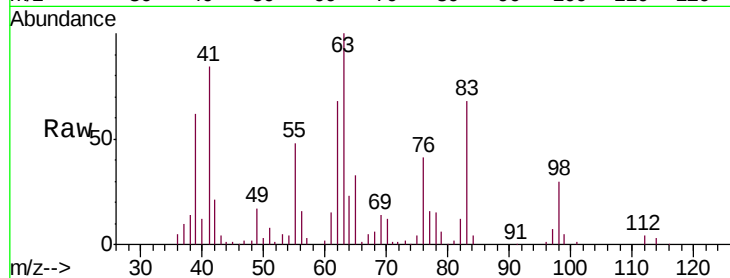
VSTD05047

Tgt Ion: 63 Resp: 64557

Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



#38

Bromodichloromethane

Concen: 53.978 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

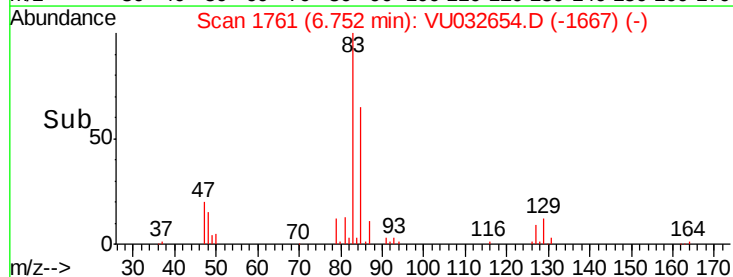
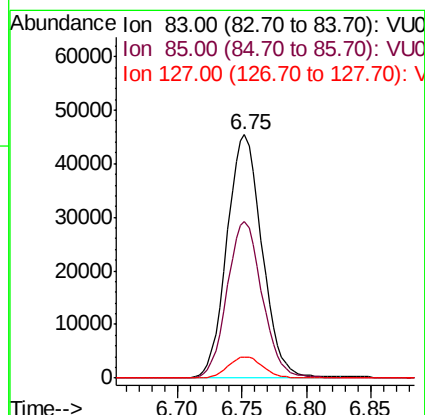
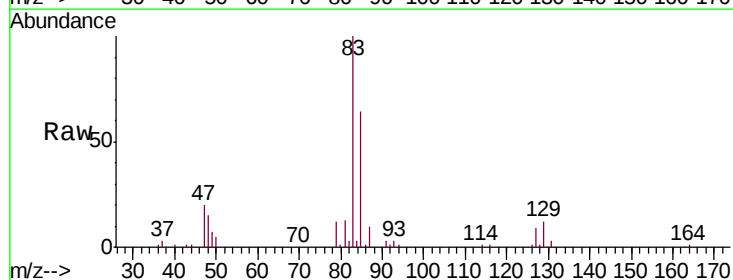
Tgt Ion: 83 Resp: 86018

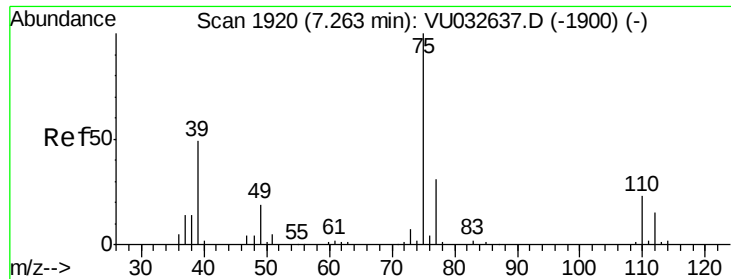
Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4

127 8.7 7.4 11.2

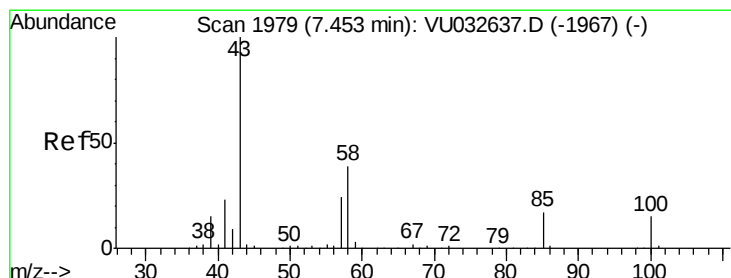
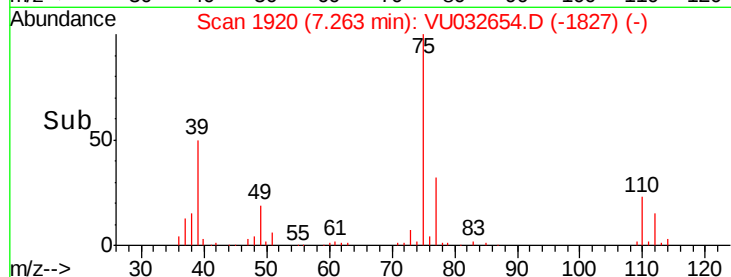
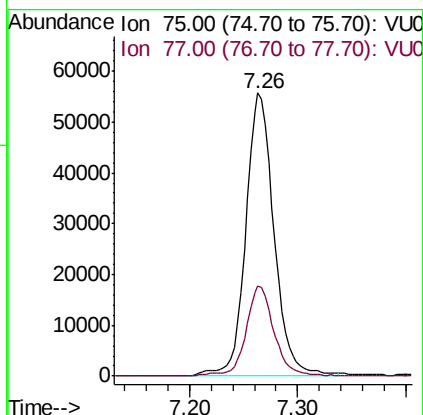
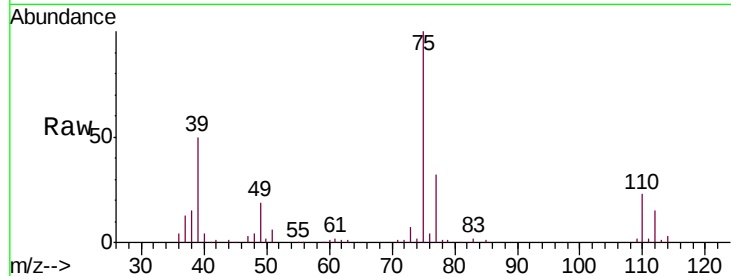




#39
 cis-1,3-Dichloropropene
 Concen: 52.038 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032654.D
 Acq: 12 Jun 2019 16:04

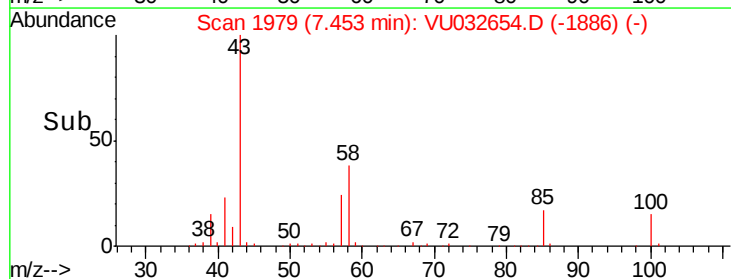
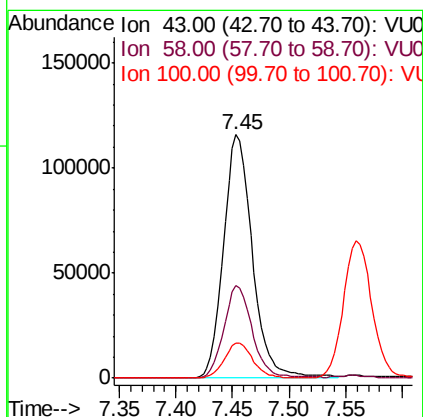
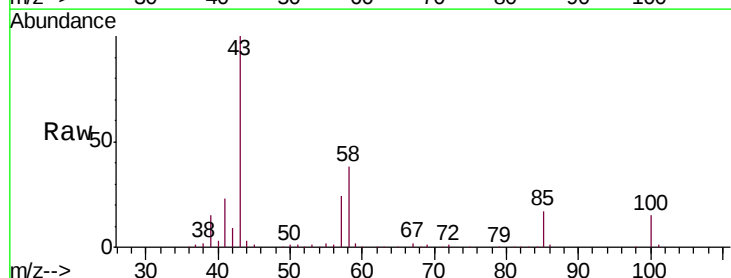
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

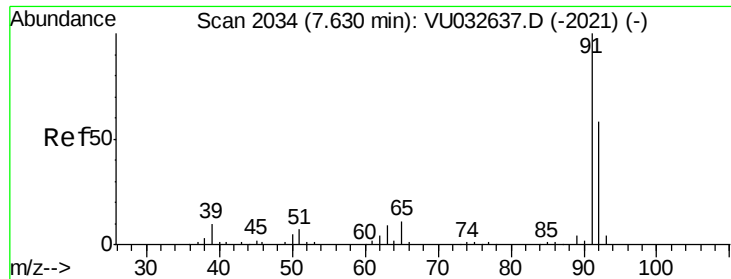
Tgt Ion: 75 Resp: 101613
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 103.383 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032654.D
 Acq: 12 Jun 2019 16:04

Tgt Ion: 43 Resp: 205840
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.8 46.2
 100 14.3 12.1 18.1





#42

Toluene

Concen: 50.768 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

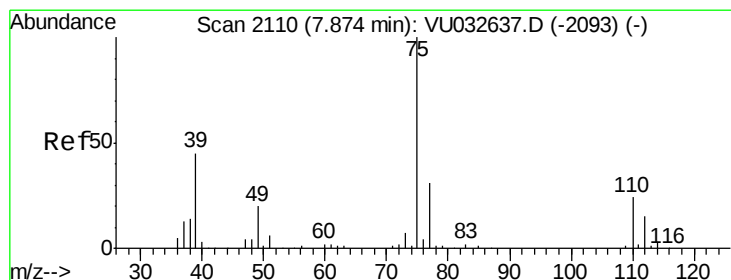
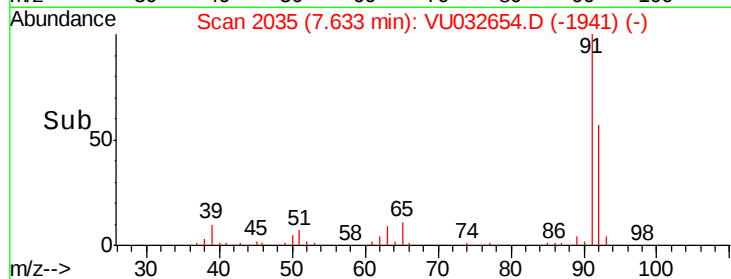
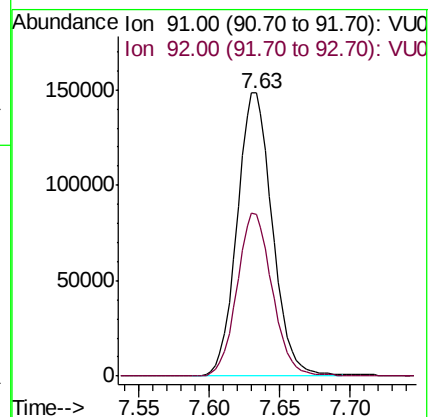
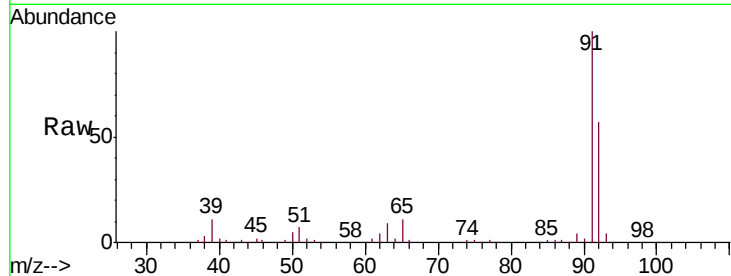
VSTD05047

Tgt Ion: 91 Resp: 259581

Ion Ratio Lower Upper

91 100

92 57.1 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 52.290 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032654.D

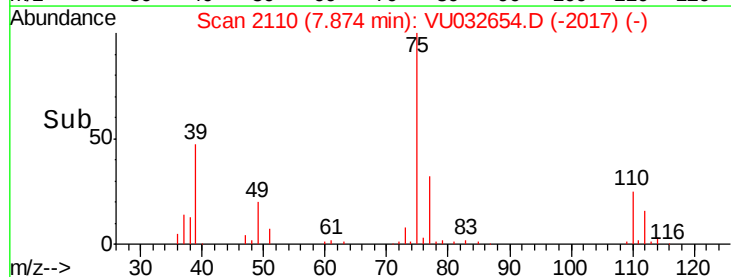
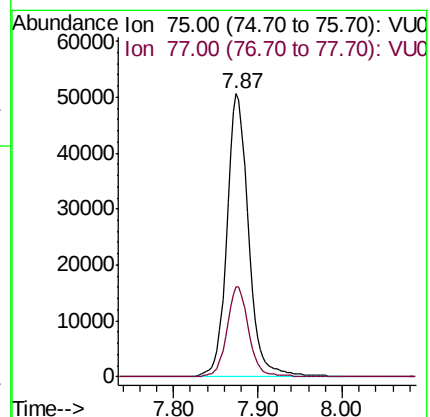
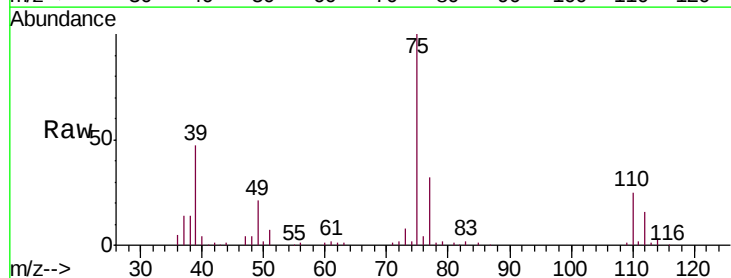
Acq: 12 Jun 2019 16:04

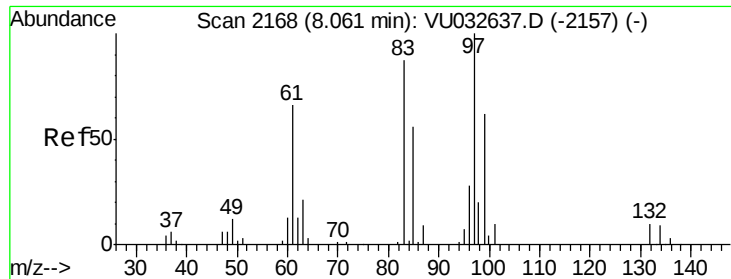
Tgt Ion: 75 Resp: 90628

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1

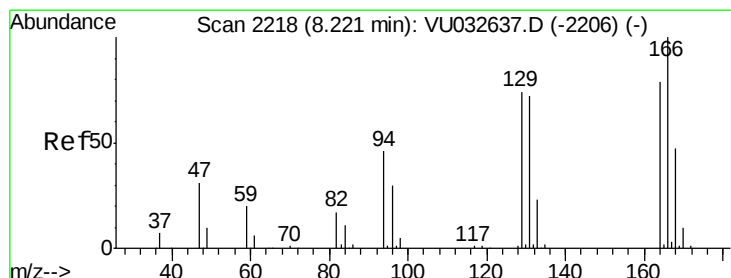
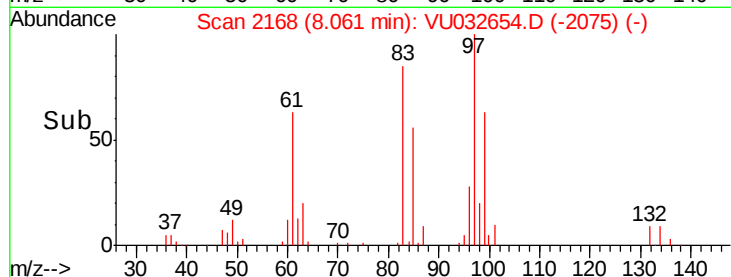
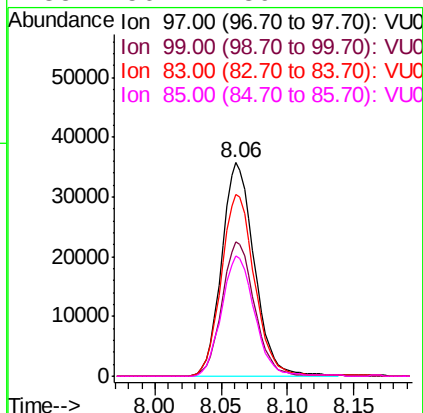
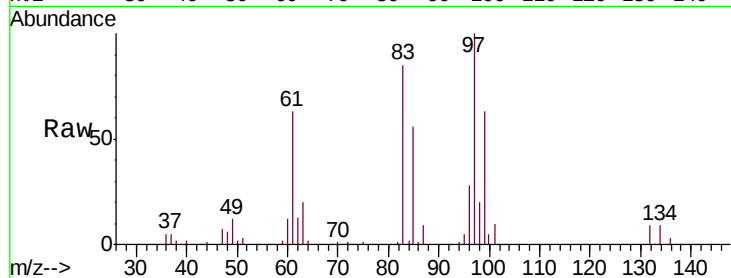




#45
 1,1,2-Trichloroethane
 Concen: 52.542 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032654.D
 Acq: 12 Jun 2019 16:04

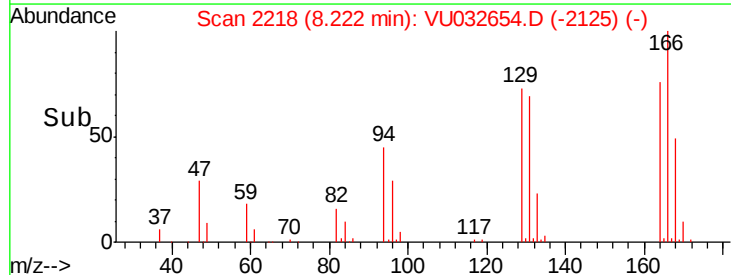
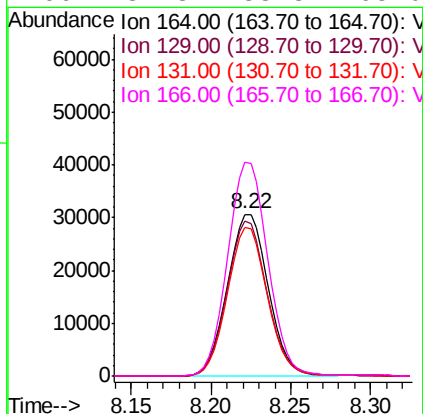
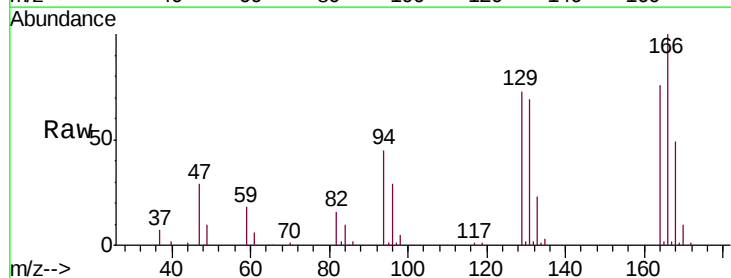
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

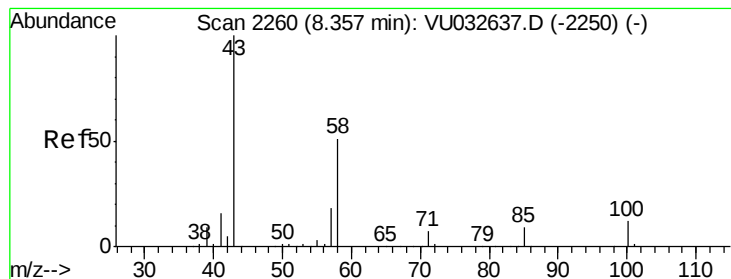
Tgt Ion:	97	Resp:	61492
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.1	81.9
83	85.3	59.4	110.2
85	56.1	39.1	72.7



#46
 Tetrachloroethene
 Concen: 50.843 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032654.D
 Acq: 12 Jun 2019 16:04

Tgt Ion:	164	Resp:	53338
Ion	Ratio	Lower	Upper
164	100		
129	96.3	65.3	121.3
131	91.8	64.0	119.0
166	132.3	88.8	165.0





#48

2-Hexanone

Concen: 99.531 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

Tgt Ion: 43 Resp: 162767

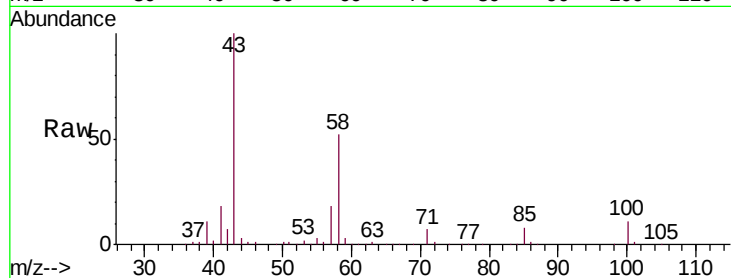
Ion Ratio Lower Upper

43 100

58 52.1 42.0 63.0

57 17.5 14.6 22.0

100 11.4 9.2 13.8

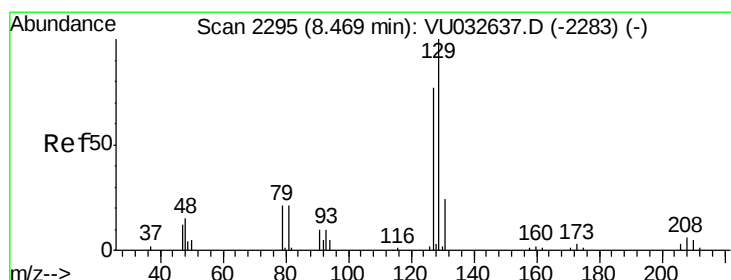
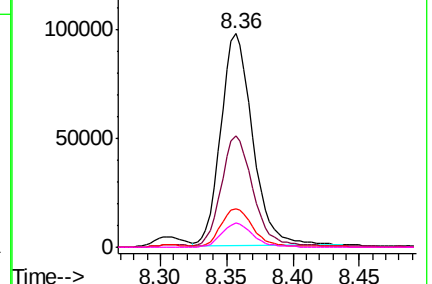
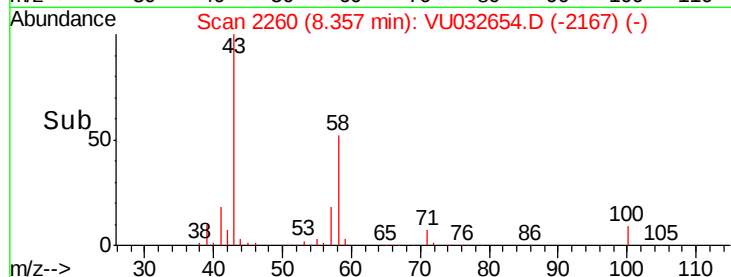


Abundance Ion 43.00 (42.70 to 43.70): VU032637.D (-2250) (-)

Ion 58.00 (57.70 to 58.70): VU032637.D (-2250) (-)

Ion 57.00 (56.70 to 57.70): VU032637.D (-2250) (-)

Ion 100.00 (99.70 to 100.70): VU032637.D (-2250) (-)



#49

Dibromochloromethane

Concen: 54.055 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU032654.D

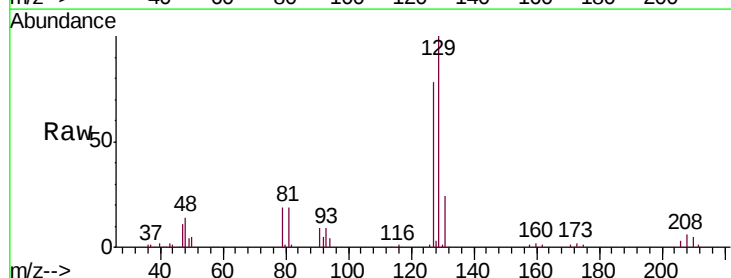
Acq: 12 Jun 2019 16:04

Tgt Ion: 129 Resp: 73533

Ion Ratio Lower Upper

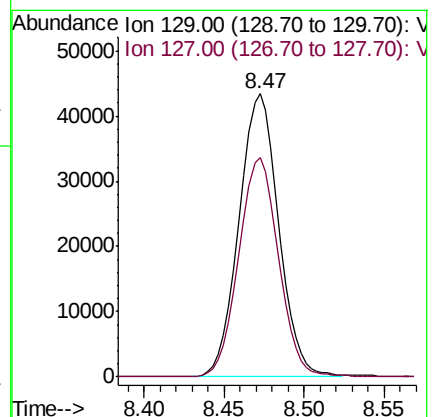
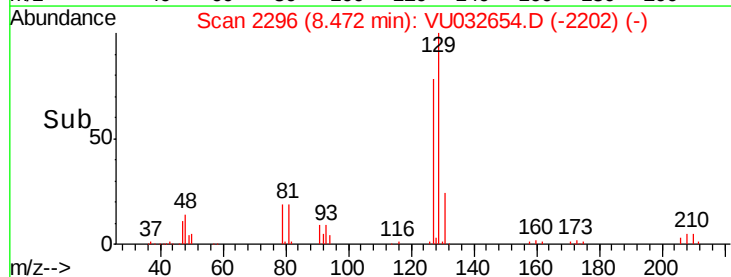
129 100

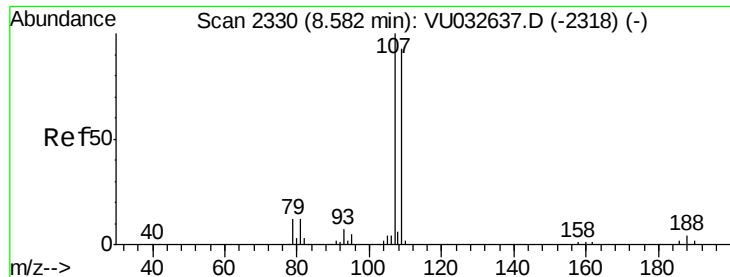
127 77.6 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): VU032637.D (-2283) (-)

Ion 127.00 (126.70 to 127.70): VU032637.D (-2283) (-)

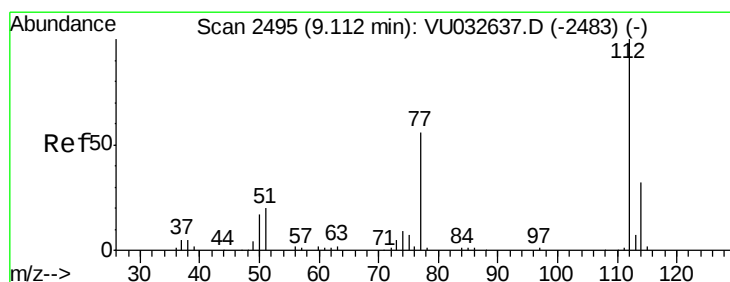
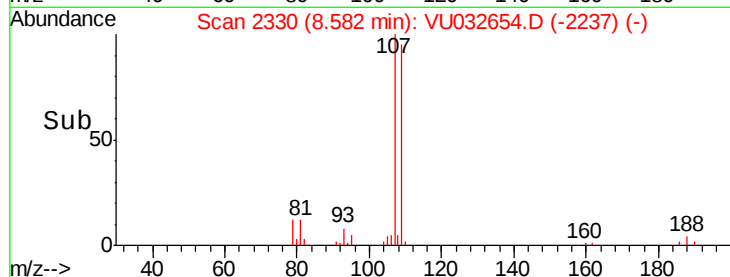
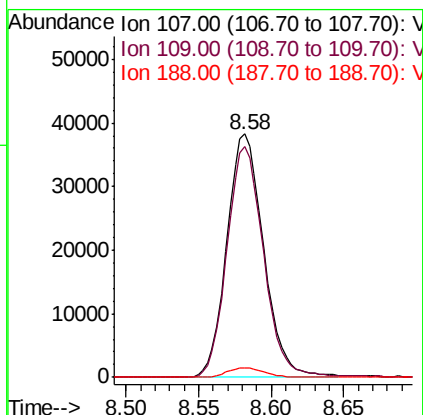
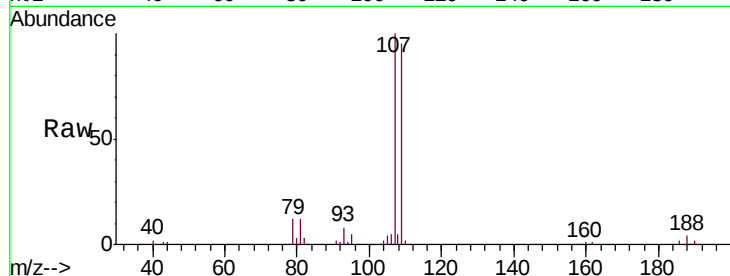




#50
1,2-Dibromoethane
Concen: 51.149 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032654.D
Acq: 12 Jun 2019 16:04

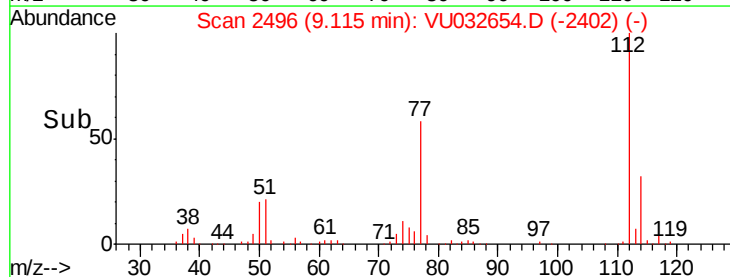
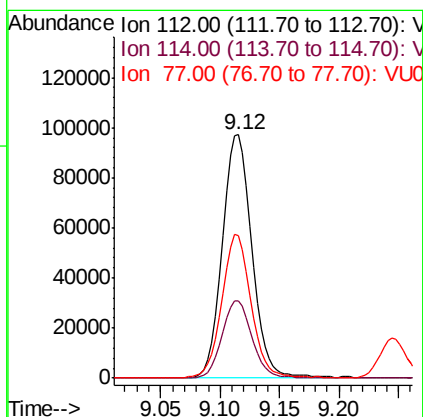
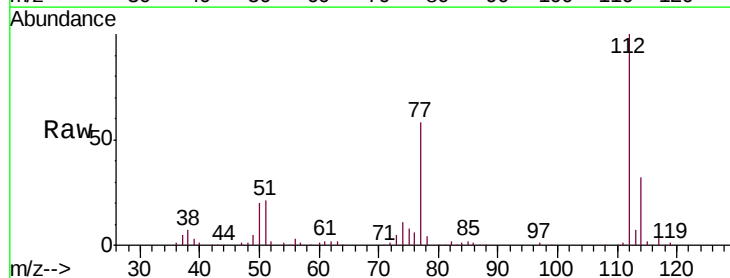
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

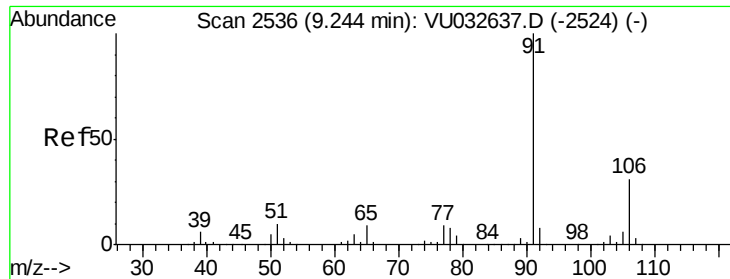
Tgt Ion:107 Resp: 67380
Ion Ratio Lower Upper
107 100
109 94.9 66.8 124.0
188 3.8 3.1 4.7



#51
Chlorobenzene
Concen: 51.134 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032654.D
Acq: 12 Jun 2019 16:04

Tgt Ion:112 Resp: 168445
Ion Ratio Lower Upper
112 100
114 32.0 22.6 42.0
77 58.5 46.1 69.1





#52

Ethylbenzene

Concen: 50.790 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

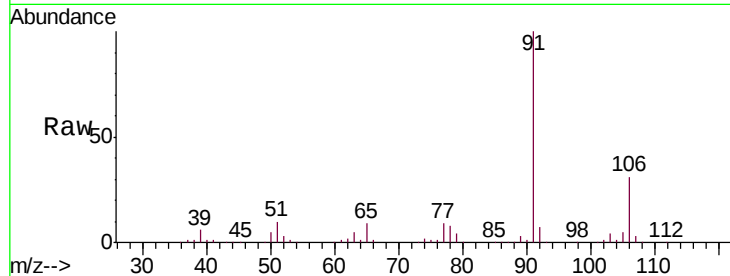
VSTD05047

Tgt Ion: 91 Resp: 289469

Ion Ratio Lower Upper

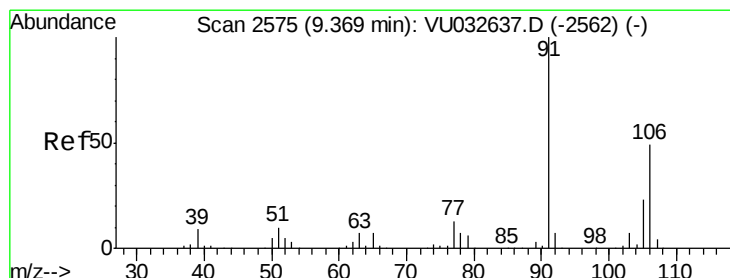
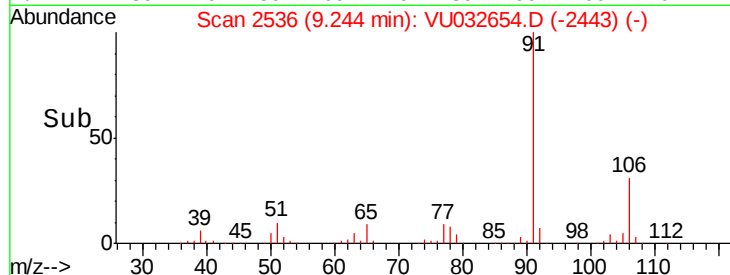
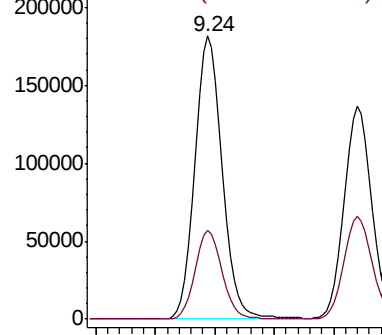
91 100

106 31.4 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 50.617 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032654.D

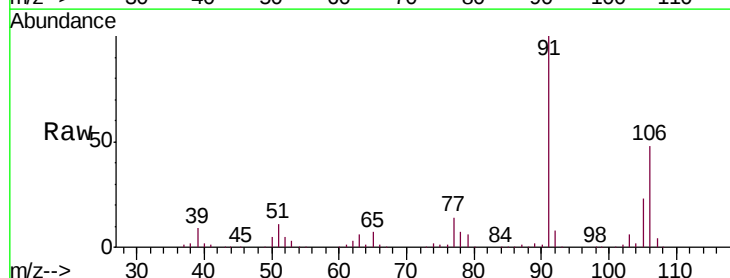
Acq: 12 Jun 2019 16:04

Tgt Ion: 106 Resp: 109695

Ion Ratio Lower Upper

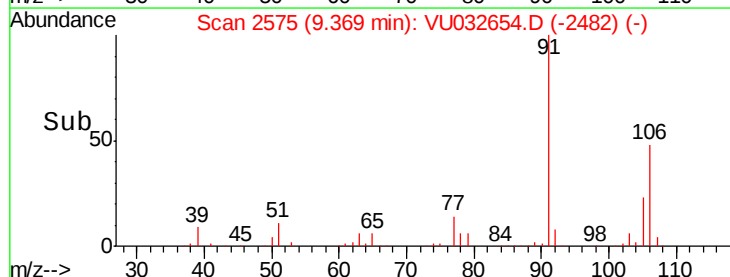
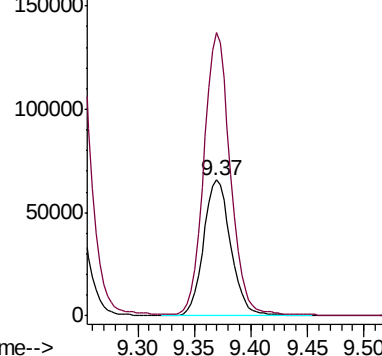
106 100

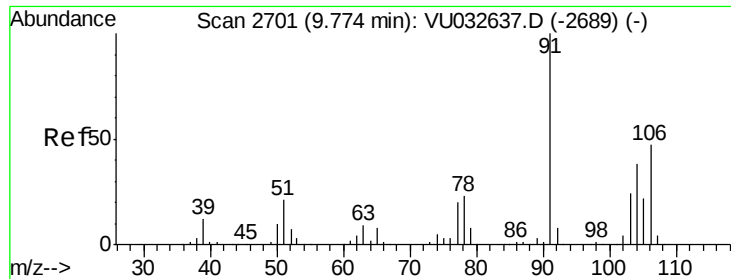
91 208.5 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#54

o-xylene

Concen: 49.732 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

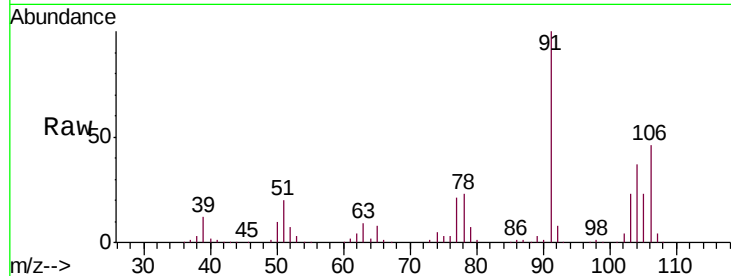
VSTD05047

Tgt Ion:106 Resp: 107011

Ion Ratio Lower Upper

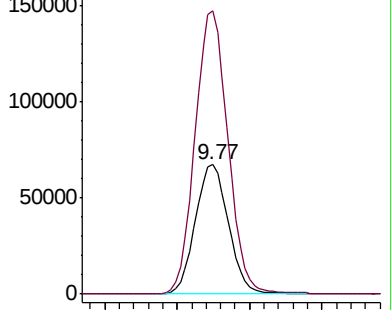
106 100

91 218.6 150.1 278.7

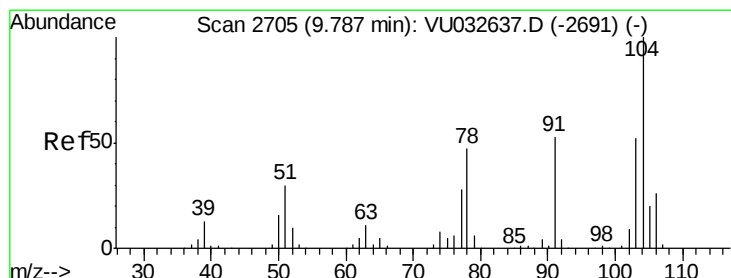
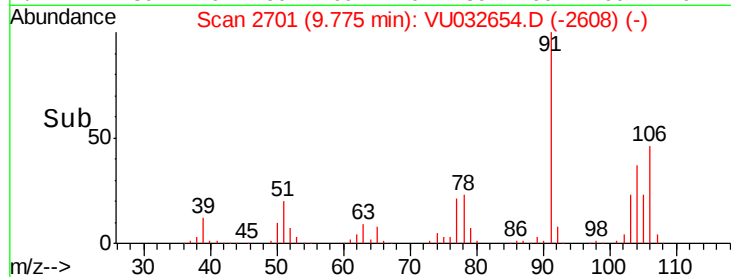


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 51.712 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032654.D

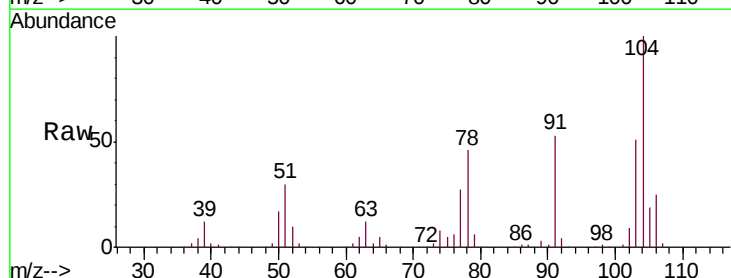
Acq: 12 Jun 2019 16:04

Tgt Ion:104 Resp: 185760

Ion Ratio Lower Upper

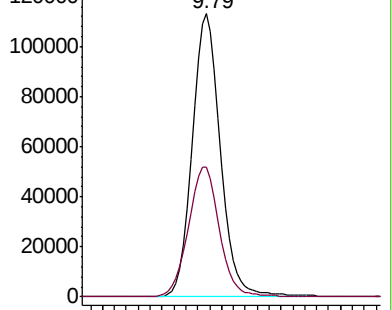
104 100

78 45.7 31.6 58.6

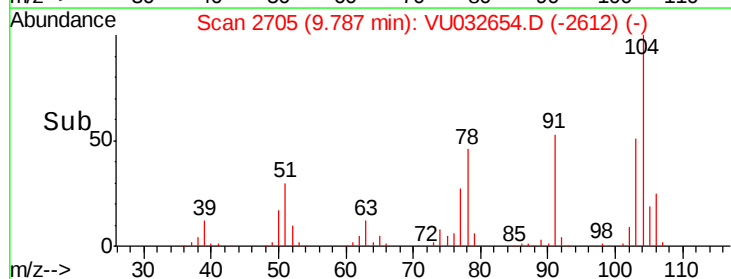


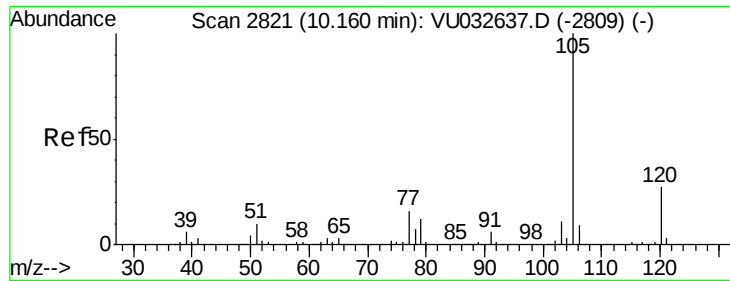
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 50.552 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

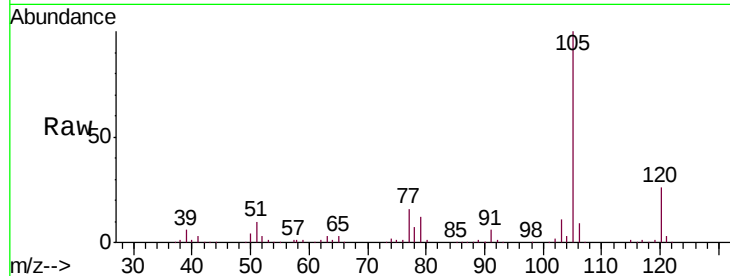
Tgt Ion: 105 Resp: 286828

Ion Ratio Lower Upper

105 100

120 26.4 21.6 32.4

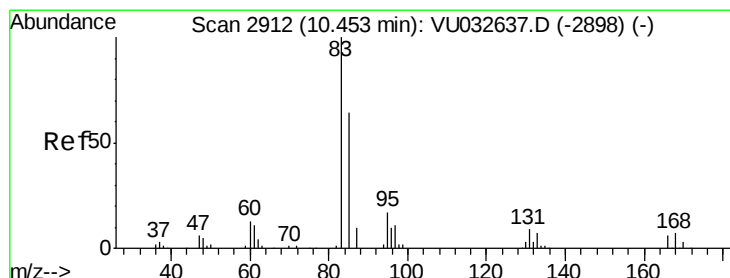
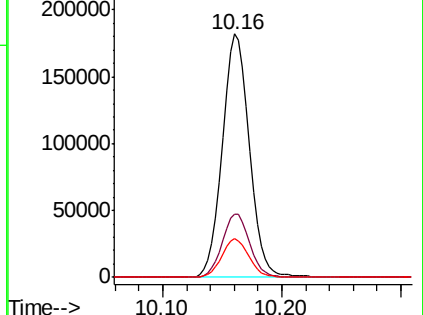
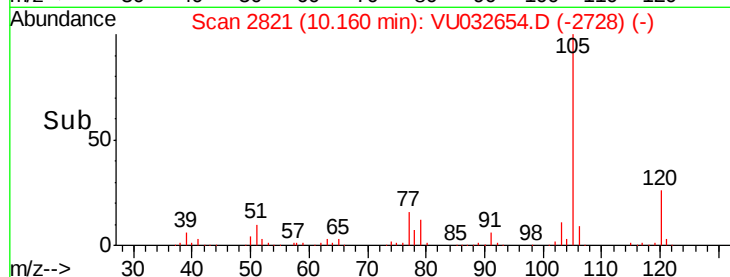
77 15.9 12.4 18.6



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: 51.755 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

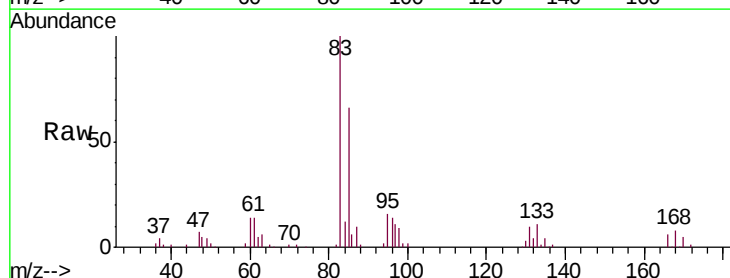
Tgt Ion: 83 Resp: 103524

Ion Ratio Lower Upper

83 100

85 65.7 45.1 83.7

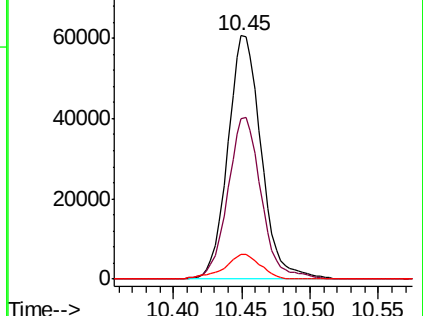
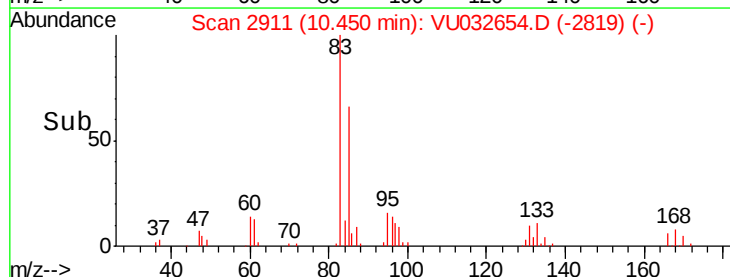
131 10.1 7.9 11.9

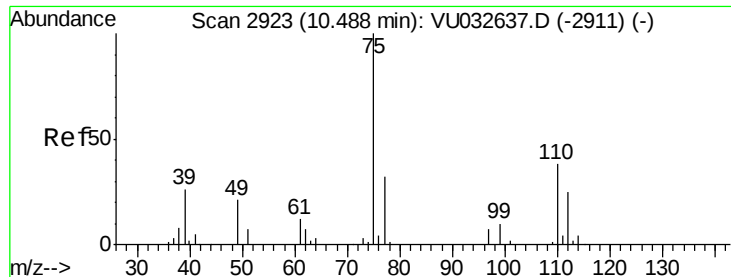


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

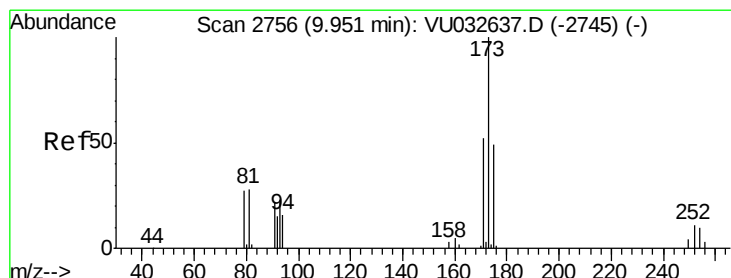
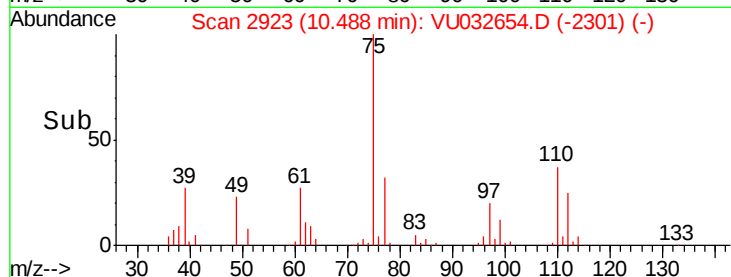
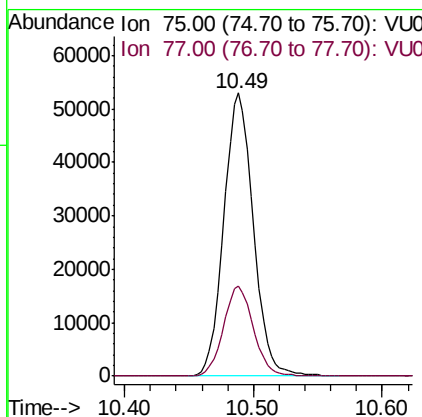
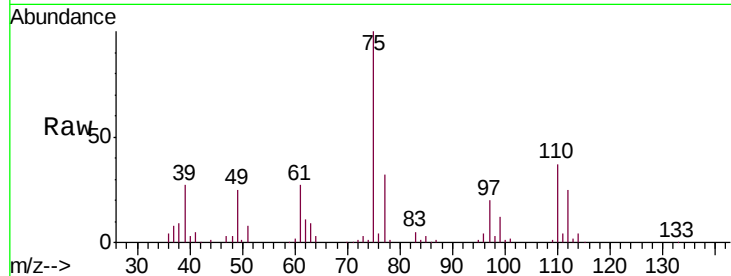




#59
 1,2,3-Trichloropropane
 Concen: 52.415 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032654.D
 Acq: 12 Jun 2019 16:04

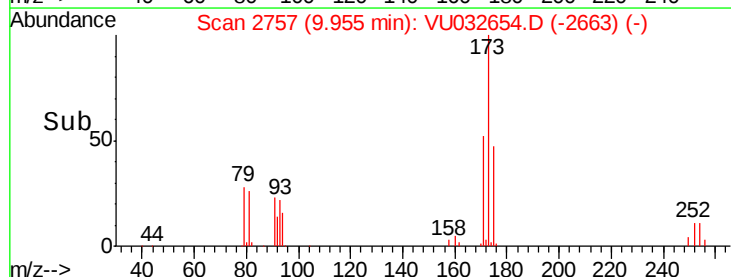
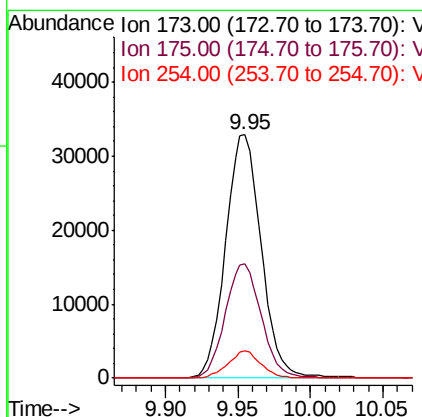
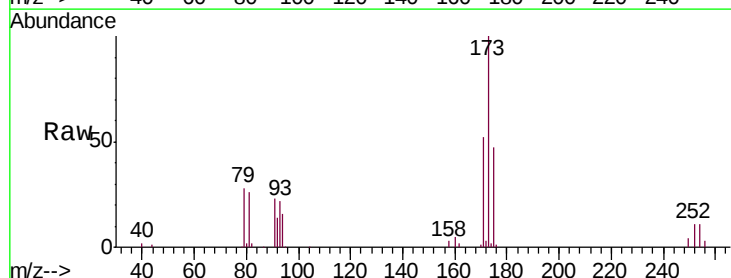
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

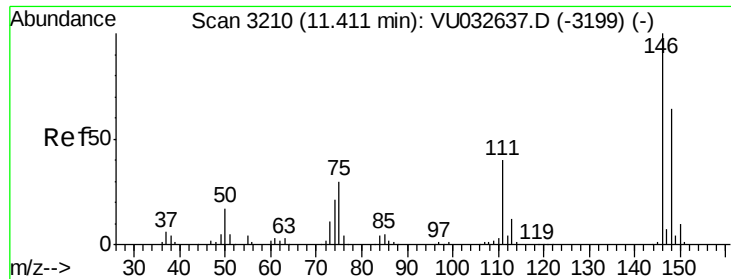
Tgt Ion: 75 Resp: 84329
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.6 38.4



#61
 Bromoform
 Concen: 51.752 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032654.D
 Acq: 12 Jun 2019 16:04

Tgt Ion: 173 Resp: 55972
 Ion Ratio Lower Upper
 173 100
 175 47.4 39.7 59.5
 254 10.2 7.8 11.8

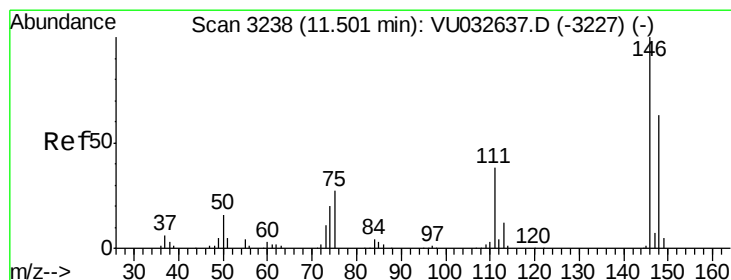
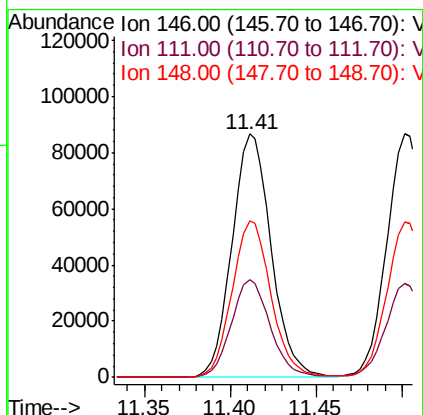
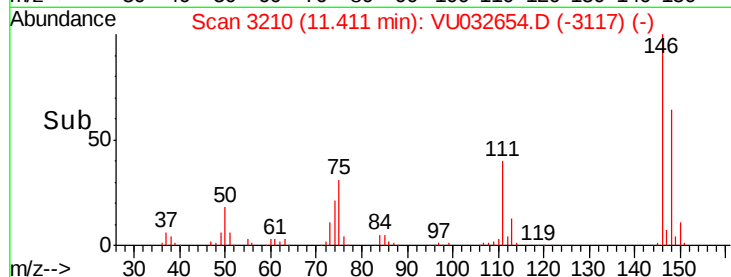
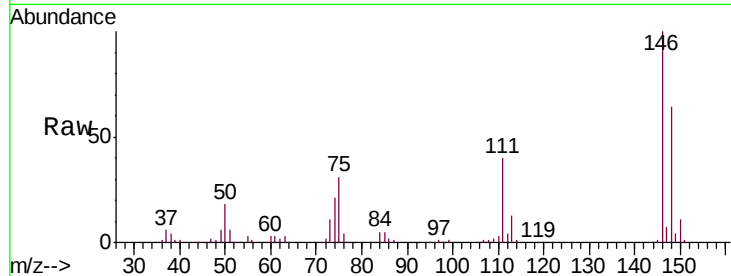




#62
 1,3-Dichlorobenzene
 Concen: 49.989 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032654.D
 Acq: 12 Jun 2019 16:04

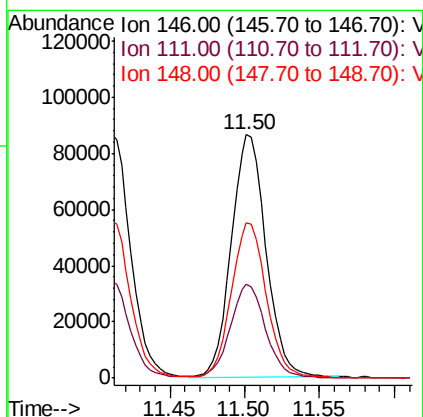
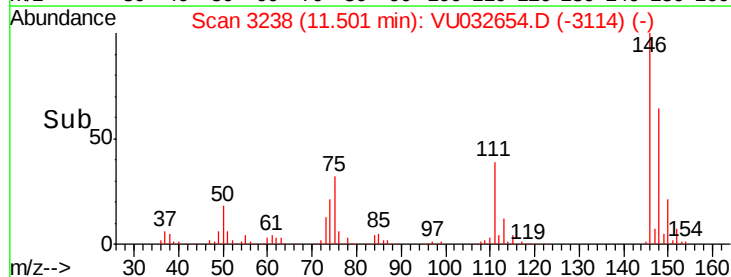
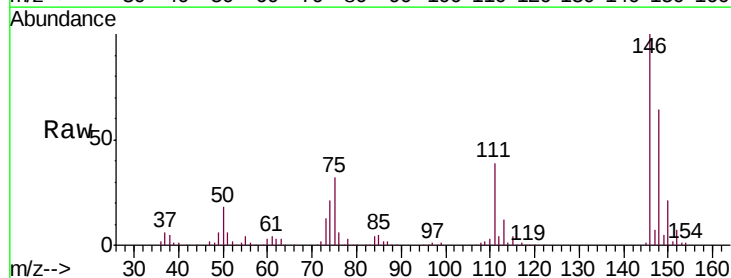
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

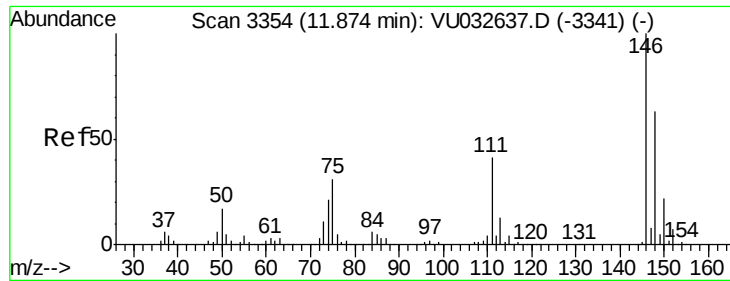
Tgt Ion:146 Resp: 137193
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.3 50.7
 148 64.4 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 49.702 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032654.D
 Acq: 12 Jun 2019 16:04

Tgt Ion:146 Resp: 139455
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.6 49.4
 148 63.7 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 50.406 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

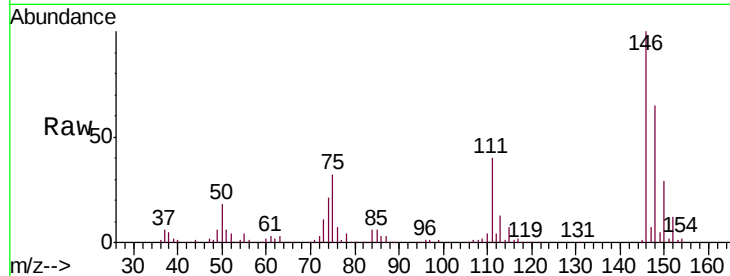
Tgt Ion:146 Resp: 139862

Ion Ratio Lower Upper

146 100

111 40.3 32.6 48.8

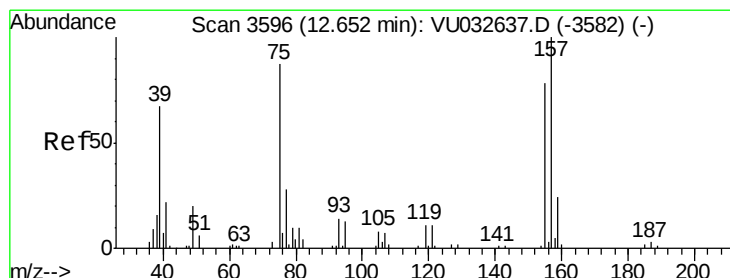
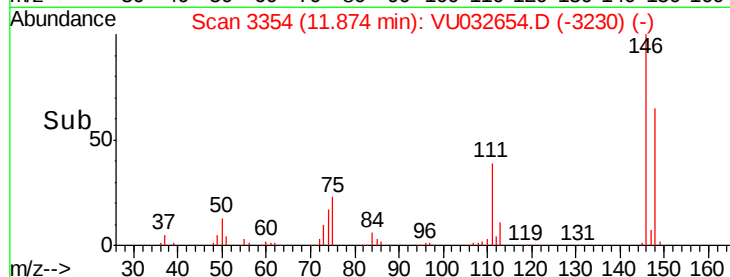
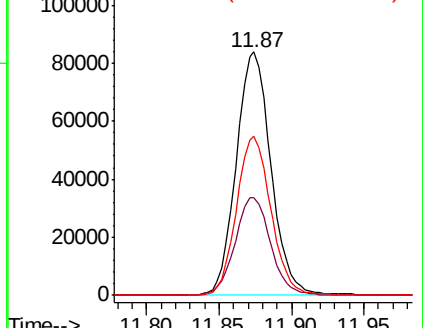
148 65.3 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 53.055 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

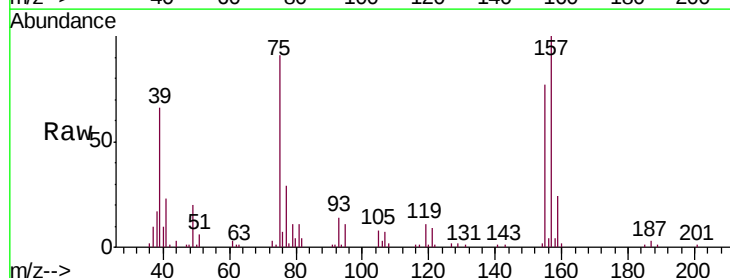
Tgt Ion: 75 Resp: 24768

Ion Ratio Lower Upper

75 100

155 84.4 73.1 109.7

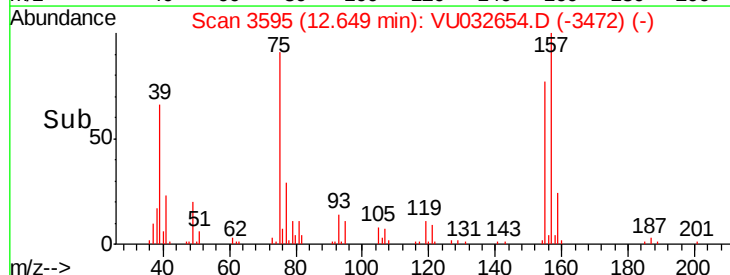
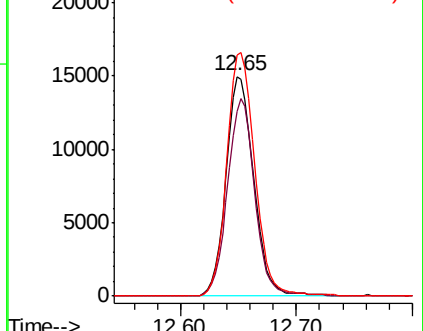
157 109.7 91.4 137.2

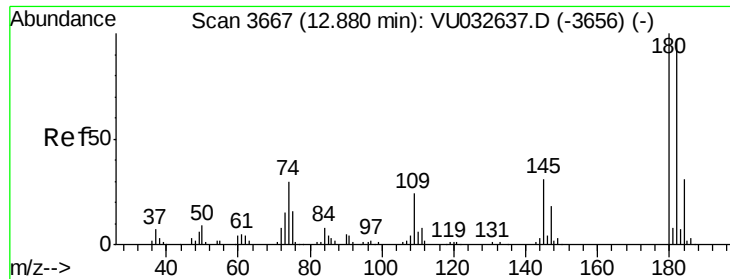


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

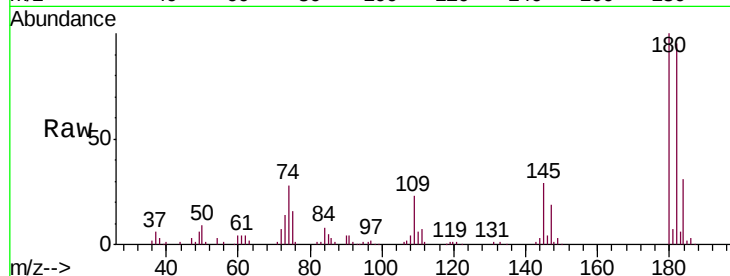




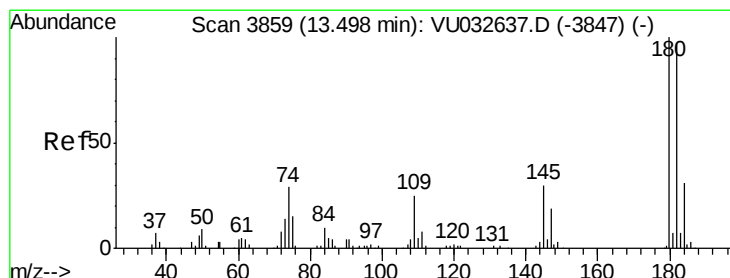
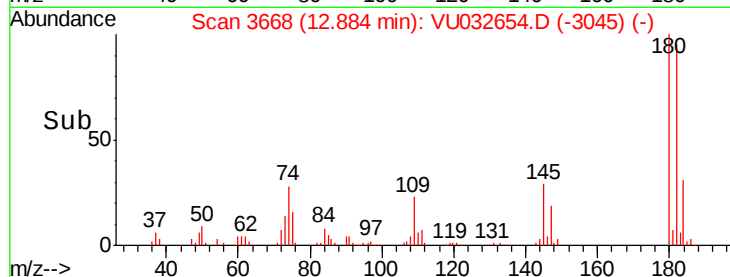
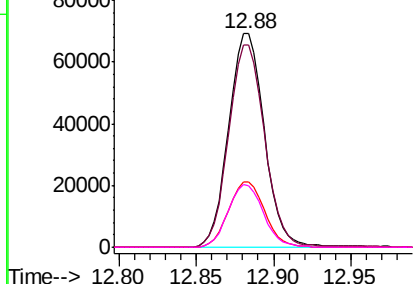
#67
 1,3,5-Trichlorobenzene
 Concen: 51.962 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032654.D
 Acq: 12 Jun 2019 16:04

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05047

Tgt Ion:180 Resp: 110952
 Ion Ratio Lower Upper
 180 100
 182 95.5 78.2 117.4
 184 30.9 24.2 36.2
 145 29.1 23.9 35.9

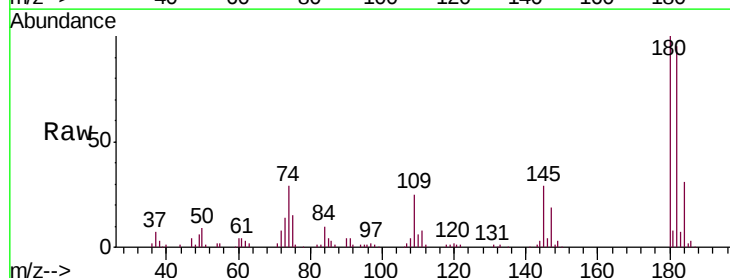


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

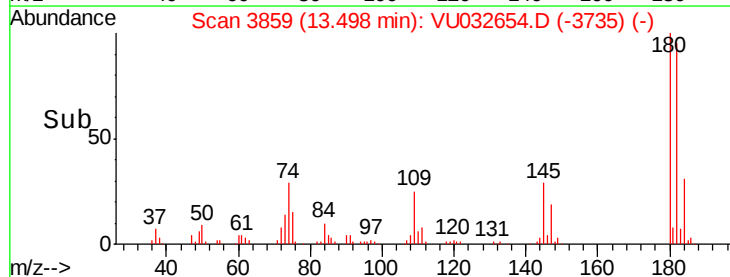
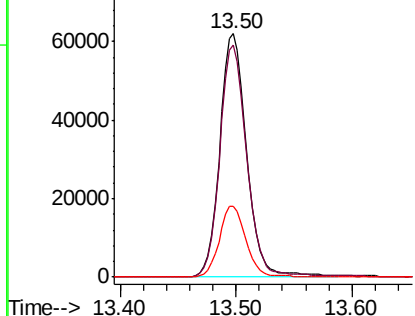


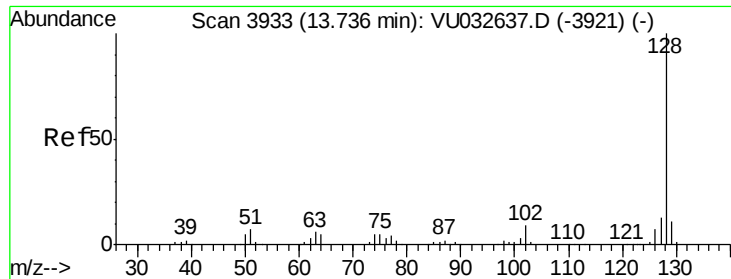
#68
 1,2,4-trichlorobenzene
 Concen: 55.018 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032654.D
 Acq: 12 Jun 2019 16:04

Tgt Ion:180 Resp: 99524
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 145 28.6 23.8 35.6



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: 51.184 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

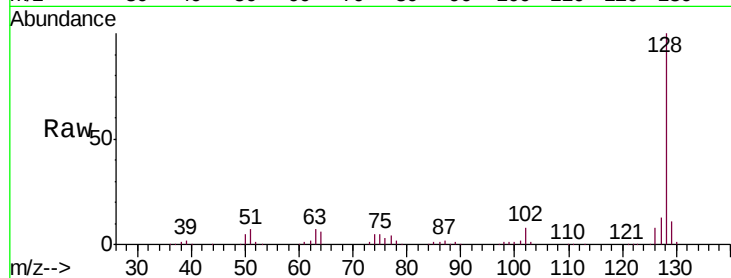
Tgt Ion:128 Resp: 292048

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

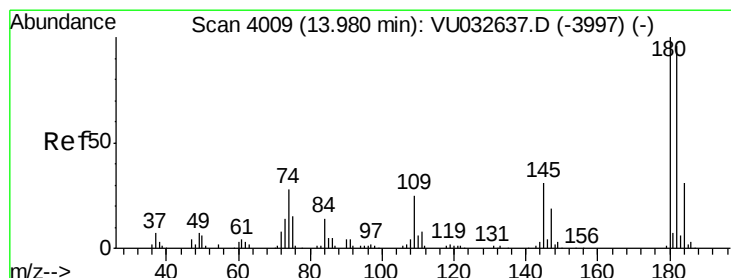
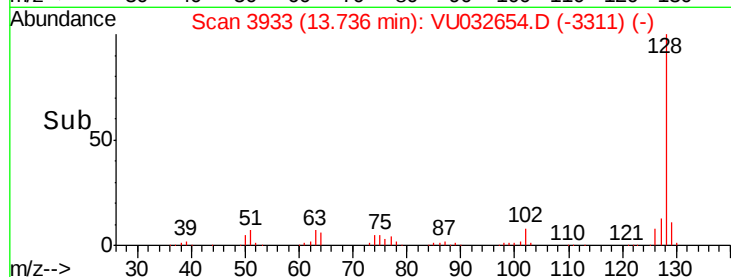
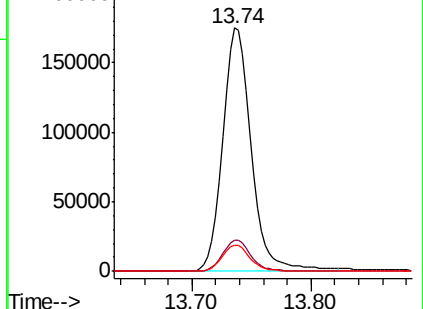
129 10.7 8.5 12.7



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: 54.361 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU032654.D

Acq: 12 Jun 2019 16:04

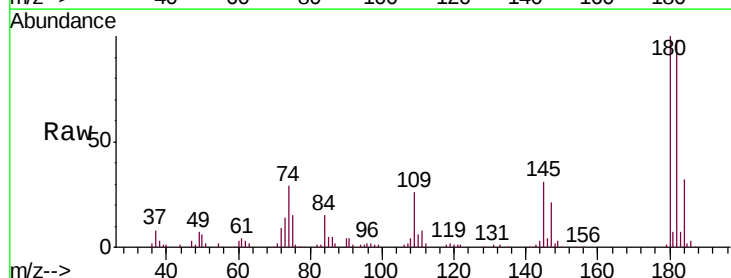
Tgt Ion:180 Resp: 102341

Ion Ratio Lower Upper

180 100

182 96.0 76.7 115.1

145 30.7 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

