

Data File : VU032553.D
Acq On : 10 Jun 2019 08:57
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Quant Time: Jun 11 04:40:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 08 23:12:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	208986	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	195856	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	104944	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	74208	54.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.46%
7) Chloroethane-d5	1.67	69	57470	52.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.48%
11) 1,1-Dichloroethene-d2	2.27	63	141978	53.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.96%
21) 2-Butanone-d5	4.17	46	120837	106.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.49%
24) Chloroform-d	4.64	84	134402	53.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.30%
26) 1,2-Dichloroethane-d4	5.30	65	85378	53.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.20%
32) Benzene-d6	5.33	84	272999	53.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.38%
36) 1,2-Dichloropropane-d6	6.32	67	85100	53.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.76%
41) Toluene-d8	7.56	98	254945	52.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.76%
43) trans-1,3-Dichloropropene-	7.84	79	44429	58.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	116.46%
47) 2-Hexanone-d5	8.31	63	83891	108.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.48%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	118387	51.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	104946	52.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.42%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	95434	50.653	ug/L 100
3) Chloromethane	1.32	50	87653	48.147	ug/L 99
5) Vinyl chloride	1.40	62	88381	48.599	ug/L 98
6) Bromomethane	1.62	94	48378	44.640	ug/L 98
8) Chloroethane	1.69	64	50110	46.356	ug/L 100
9) Trichlorofluoromethane	1.88	101	122919	50.055	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	66796	52.301	ug/L 100
12) 1,1-Dichloroethene	2.28	96	63092	50.878	ug/L 95
13) Acetone	2.32	43	126974	108.453	ug/L 98
14) Carbon disulfide	2.47	76	192632	51.125	ug/L 99
15) Methyl Acetate	2.61	43	87339	52.249	ug/L 100
16) Methylene chloride	2.69	84	72285	51.086	ug/L 99
17) trans-1,2-Dichloroethene	2.97	96	68428	50.922	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	227067	51.434	ug/L 100
19) 1,1-Dichloroethane	3.44	63	126348	51.576	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	76499	50.302	ug/L 98
22) 2-Butanone	4.25	43	147727	106.760	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39877	50.429	ug/L	96
25) Chloroform	4.67	83	129377	51.178	ug/L	98
27) 1,2-Dichloroethane	5.40	62	103539	51.809	ug/L	98
29) Cyclohexane	4.99	56	119664	51.367	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	116188	52.404	ug/L	98
31) Carbon tetrachloride	5.13	117	108542	53.414	ug/L	99
33) Benzene	5.38	78	281628	51.178	ug/L	100
34) Trichloroethene	6.18	95	78580	52.487	ug/L	97
35) Methylcyclohexane	6.41	83	125762	51.888	ug/L	99
37) 1,2-Dichloropropane	6.42	63	75150	51.517	ug/L	100
38) Bromodichloromethane	6.75	83	101036	53.791	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	124978	54.301	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	242897	103.502	ug/L	99
42) Toluene	7.63	91	304880	50.589	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	111231	54.449	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	71319	51.701	ug/L	99
46) Tetrachloroethene	8.22	164	64547	52.201	ug/L	99
48) 2-Hexanone	8.36	43	205833	106.786	ug/L	100
49) Dibromochloromethane	8.47	129	87114	54.331	ug/L	99
50) 1,2-Dibromoethane	8.58	107	79163	50.984	ug/L	98
51) Chlorobenzene	9.11	112	198275	51.065	ug/L	100
52) Ethylbenzene	9.24	91	342795	51.029	ug/L	100
53) m,p-Xylene	9.37	106	128618	50.352	ug/L	98
54) o-xylene	9.77	106	129218	50.949	ug/L	99
55) Styrene	9.79	104	215027	50.785	ug/L	98
56) Isopropylbenzene	10.16	105	342745	51.250	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	119048	50.494	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	95964	50.605	ug/L	99
61) Bromoform	9.95	173	69851	55.827	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	163732	51.569	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	163544	50.384	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	164021	51.097	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	30965	57.335	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	135836	54.990	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	119675	57.187	ug/L	99
69) Naphthalene	13.74	128	360468	54.609	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	123882	56.881	ug/L	99

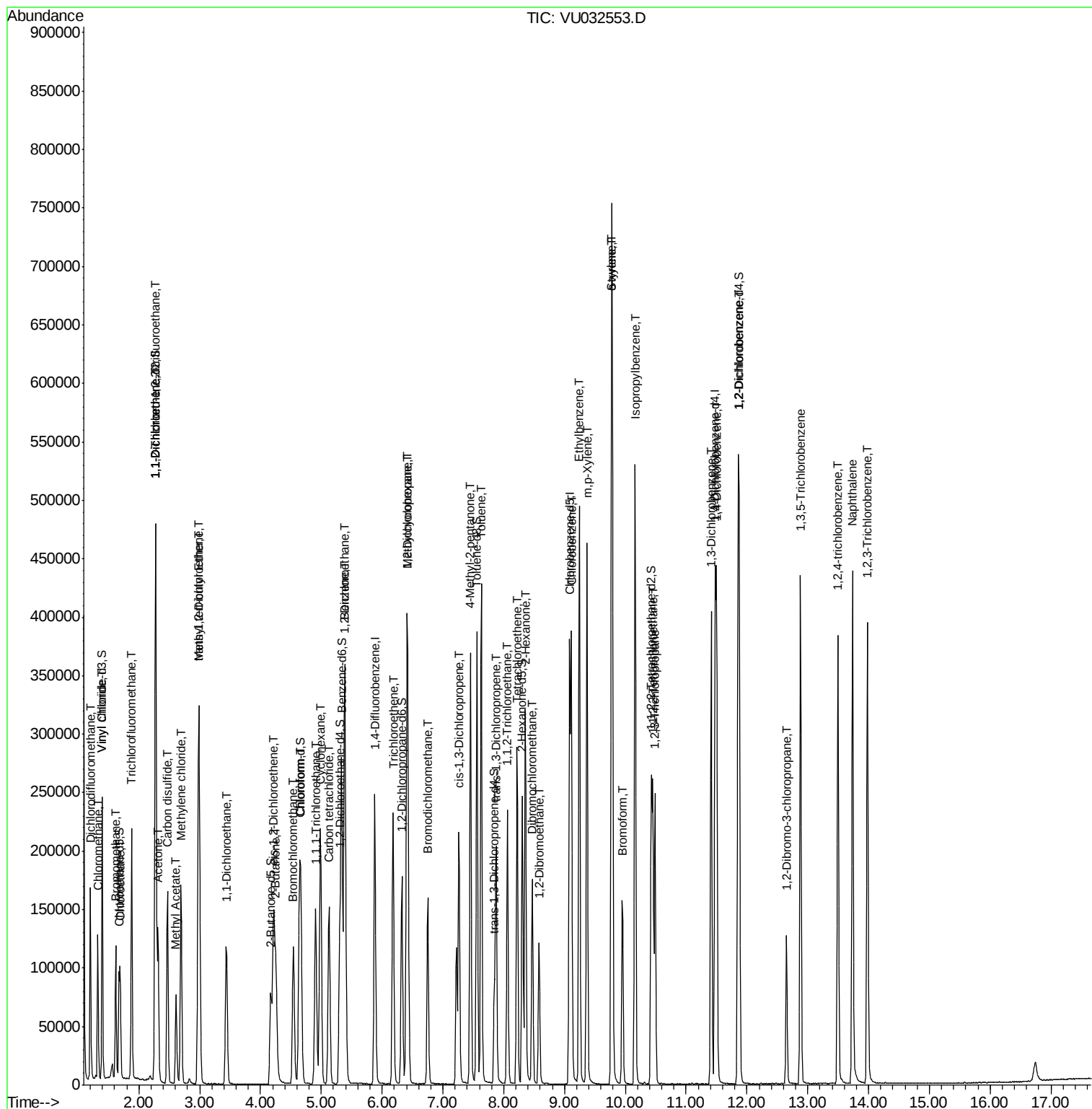
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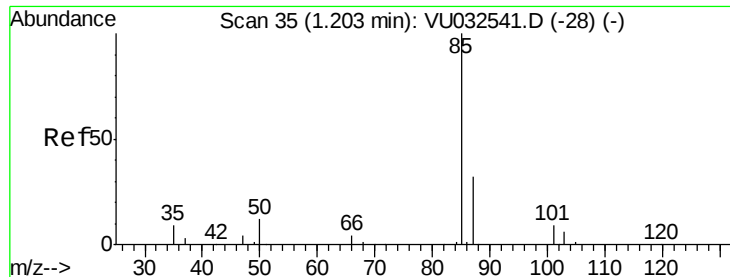
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#2

Dichlorodifluoromethane

Concen: 50.653 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

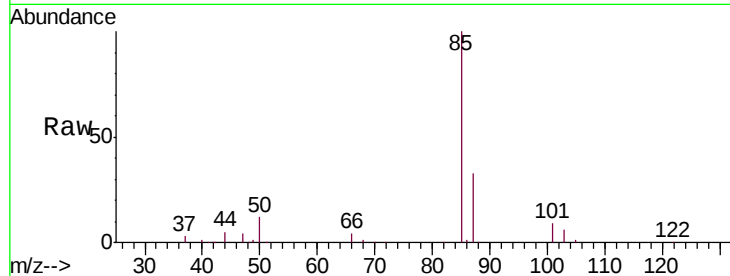
VSTD05040

Tgt Ion: 85 Resp: 95434

Ion Ratio Lower Upper

85 100

87 32.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032553.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU032553.D (-1) (-)

1.20

100000

80000

60000

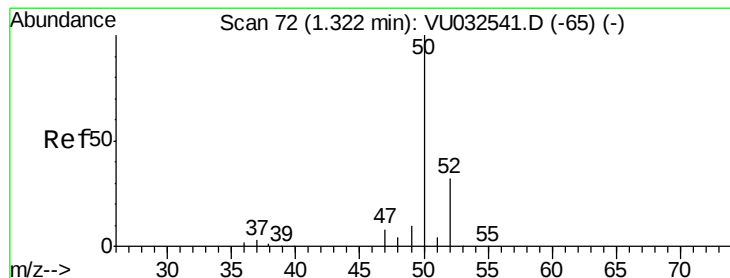
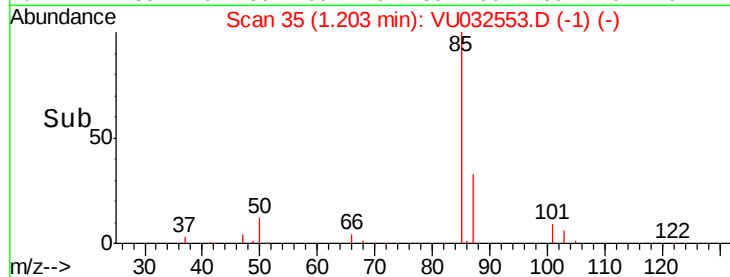
40000

20000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 48.147 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU032553.D

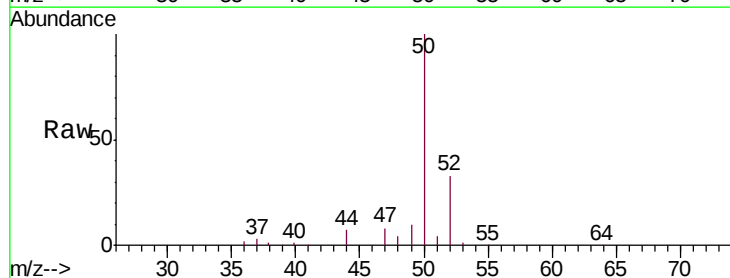
Acq: 10 Jun 2019 08:57

Tgt Ion: 50 Resp: 87653

Ion Ratio Lower Upper

50 100

52 33.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032553.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU032553.D (-1) (-)

1.32

80000

60000

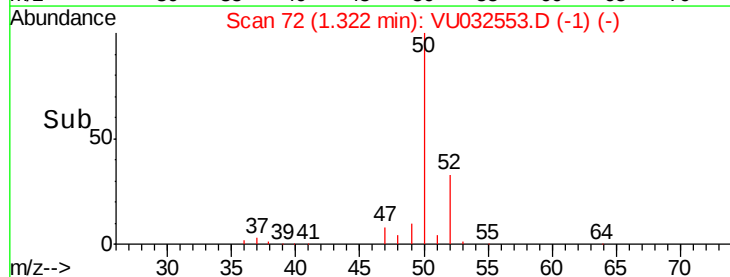
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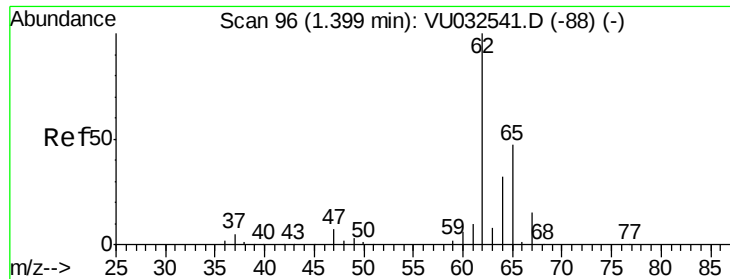
20000

0

1.30 1.35

Time-->





#5

Vinyl chloride

Concen: 48.599 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

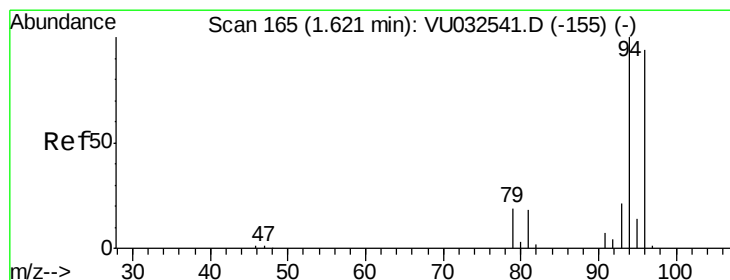
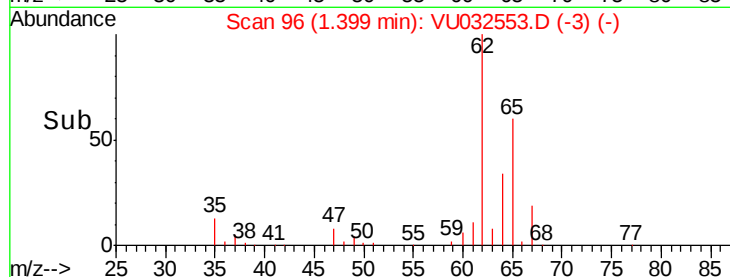
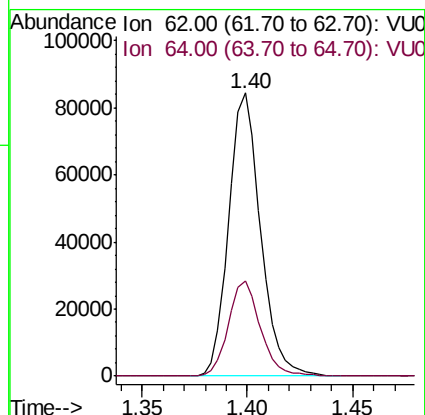
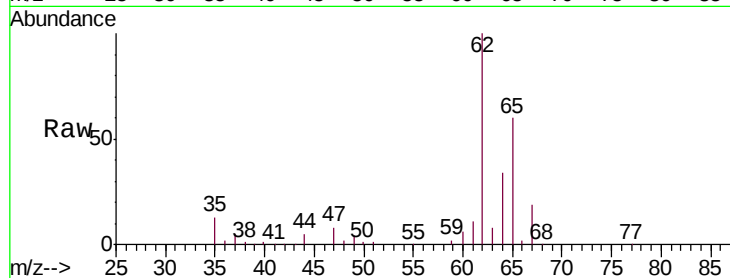
VSTD05040

Tgt Ion: 62 Resp: 88381

Ion Ratio Lower Upper

62 100

64 33.5 22.6 42.0



#6

Bromomethane

Concen: 44.640 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU032553.D

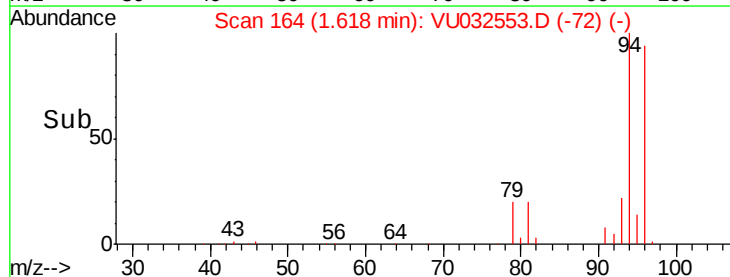
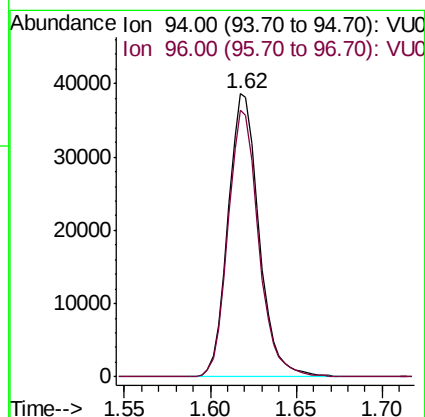
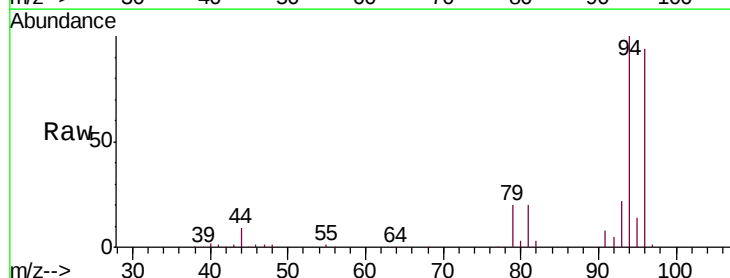
Acq: 10 Jun 2019 08:57

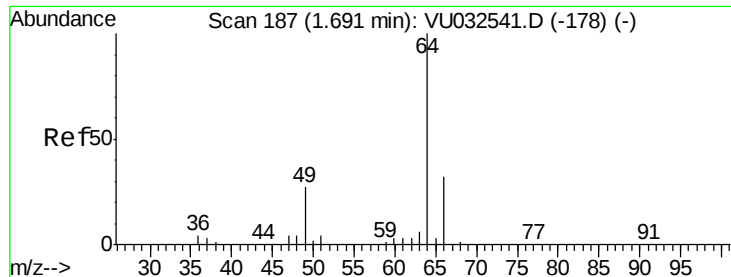
Tgt Ion: 94 Resp: 48378

Ion Ratio Lower Upper

94 100

96 94.1 64.7 120.1





#8

Chloroethane

Concen: 46.356 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

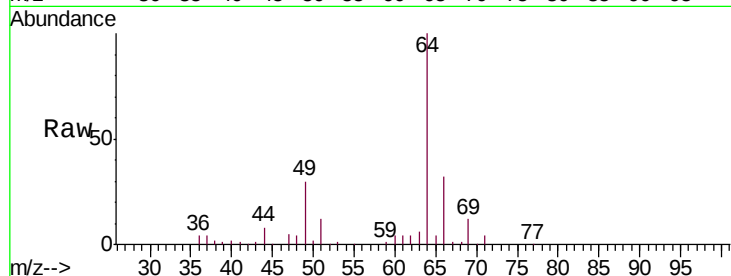
VSTD05040

Tgt Ion: 64 Resp: 50110

Ion Ratio Lower Upper

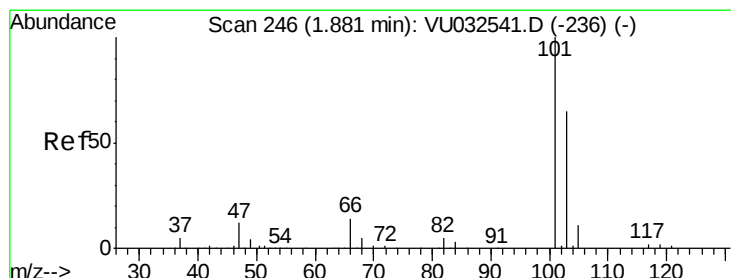
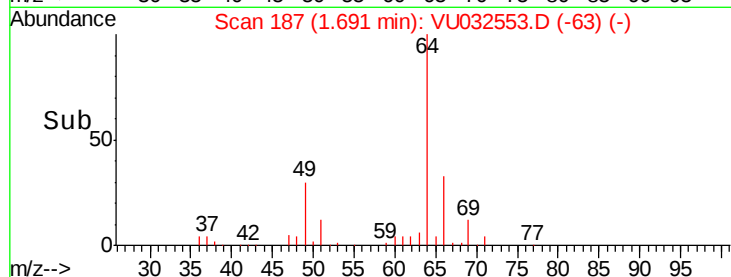
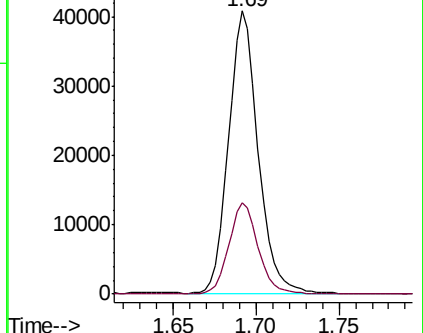
64 100

66 32.5 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU032541.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU032541.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 50.055 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032553.D

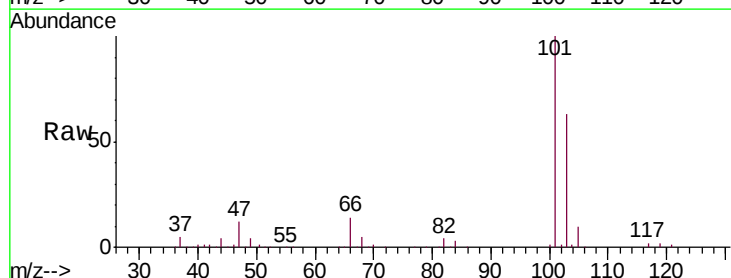
Acq: 10 Jun 2019 08:57

Tgt Ion: 101 Resp: 122919

Ion Ratio Lower Upper

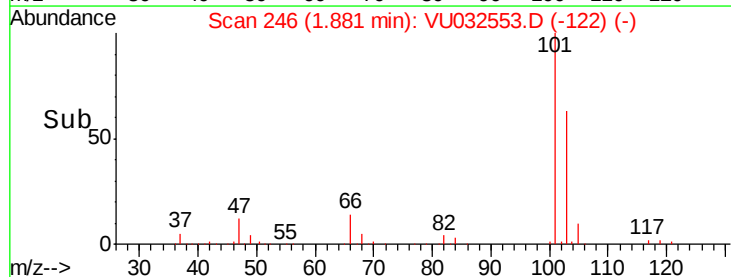
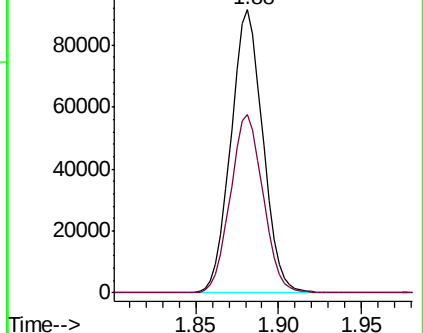
101 100

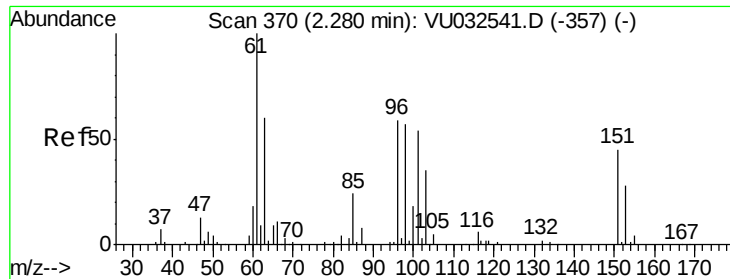
103 64.3 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU032541.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU032541.D (-236) (-)





#10

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

Concen: 52.301 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

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ClientSampleId :

VSTD05040

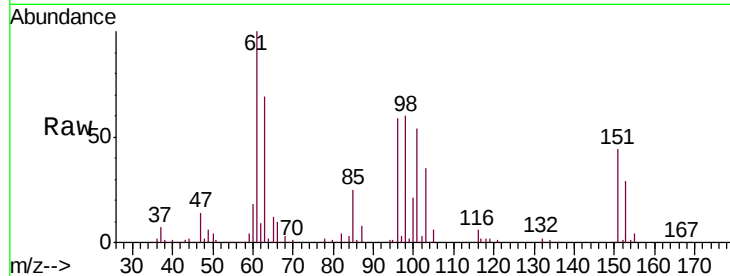
Tgt Ion:101 Resp: 66796

Ion Ratio Lower Upper

101 100

85 45.0 36.1 54.1

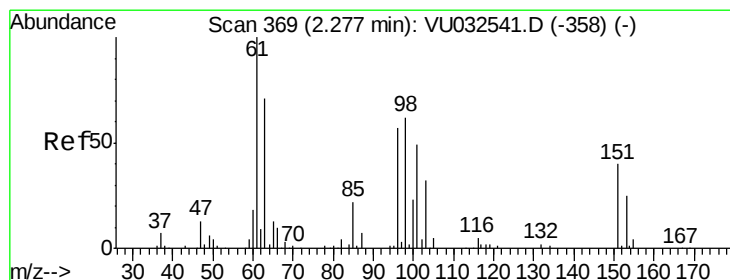
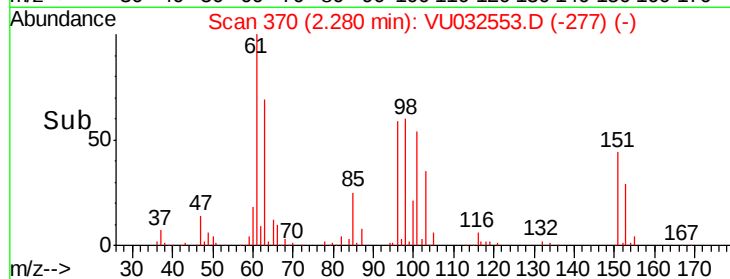
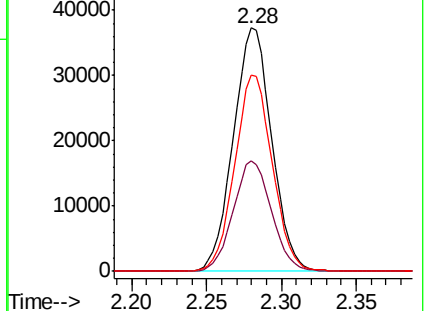
151 78.8 63.0 94.4



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: 50.878 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

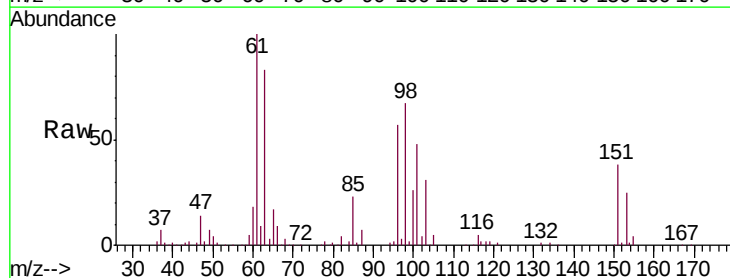
Tgt Ion: 96 Resp: 63092

Ion Ratio Lower Upper

96 100

61 175.2 129.5 240.5

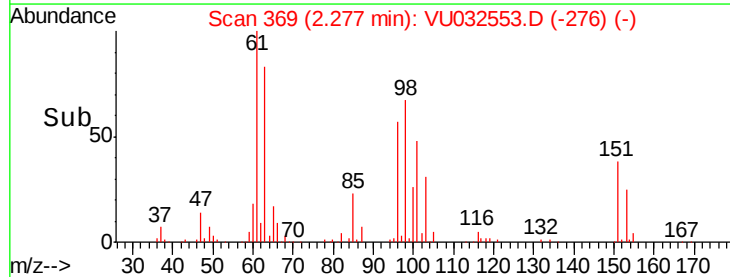
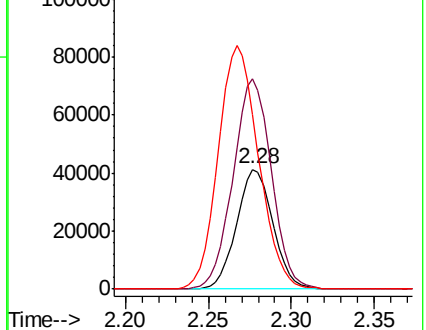
63 145.5 103.4 192.0

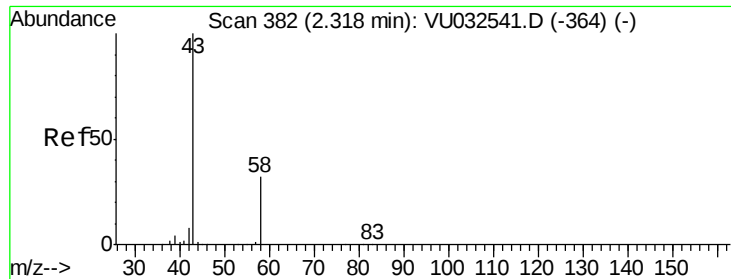


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 108.453 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

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MSVOA_U

ClientSampleId :

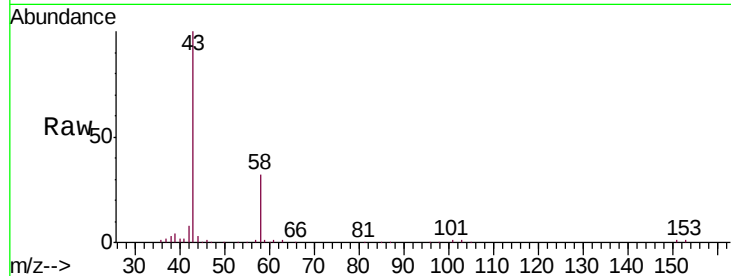
VSTD05040

Tgt Ion: 43 Resp: 126974

Ion Ratio Lower Upper

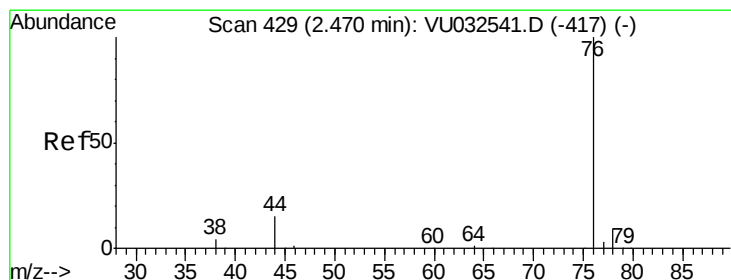
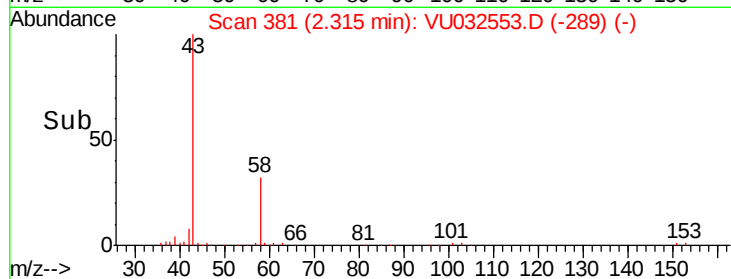
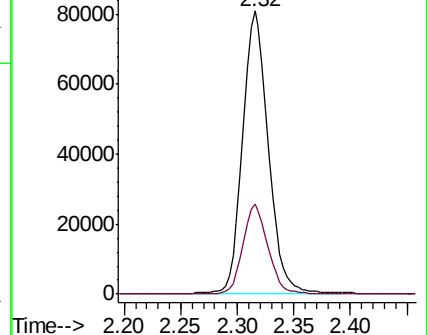
43 100

58 31.0 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032553.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU032553.D (-289) (-)



#14

Carbon disulfide

Concen: 51.125 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032553.D

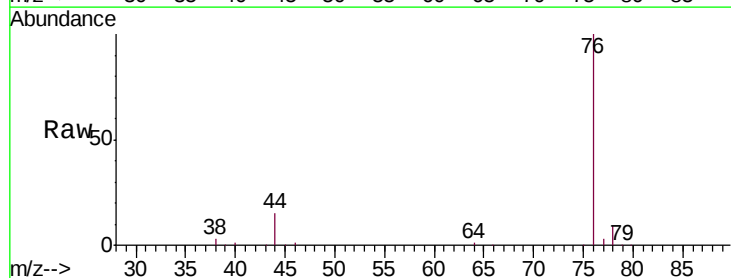
Acq: 10 Jun 2019 08:57

Tgt Ion: 76 Resp: 192632

Ion Ratio Lower Upper

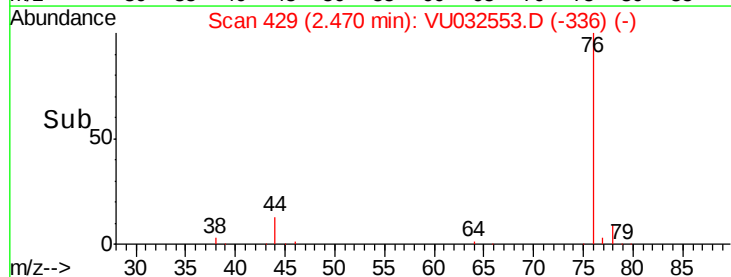
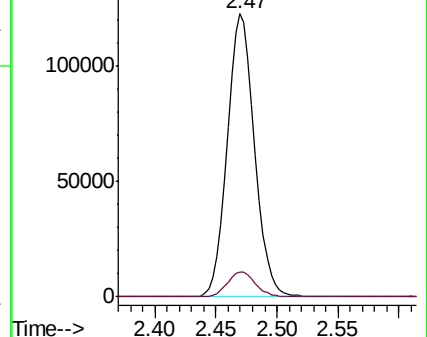
76 100

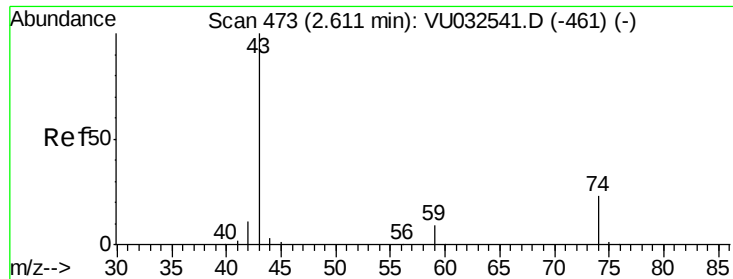
78 9.0 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU032553.D (-336) (-)

Ion 78.00 (77.70 to 78.70): VU032553.D (-336) (-)

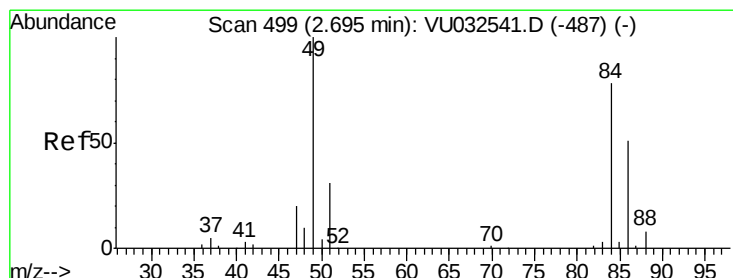
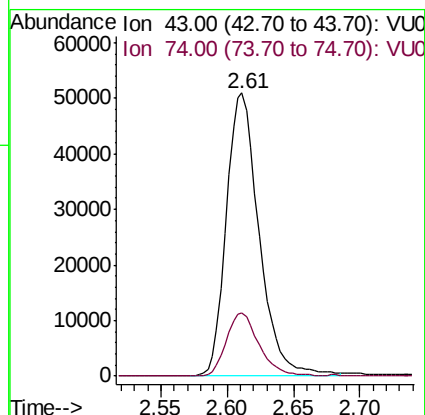
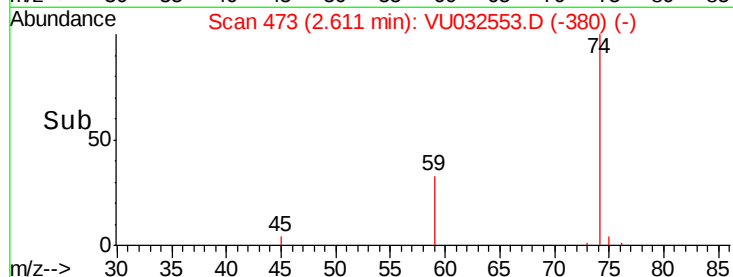
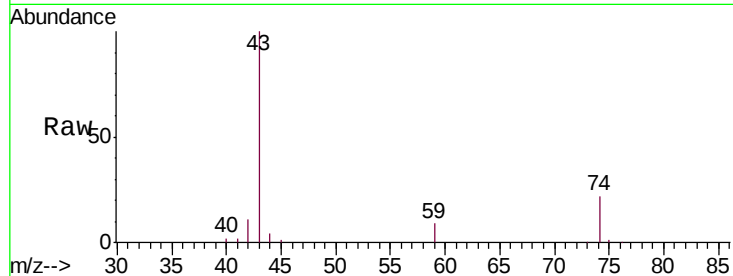




#15
Methyl Acetate
Concen: 52.249 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU032553.D
Acq: 10 Jun 2019 08:57

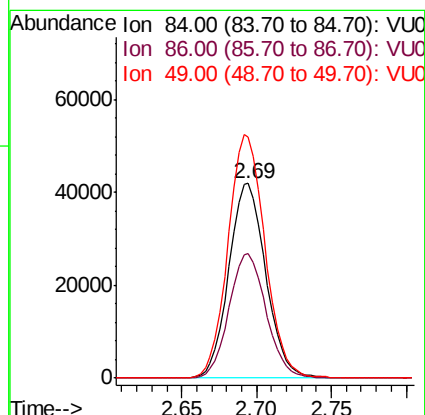
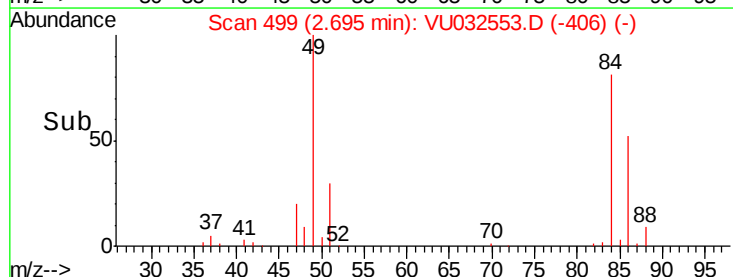
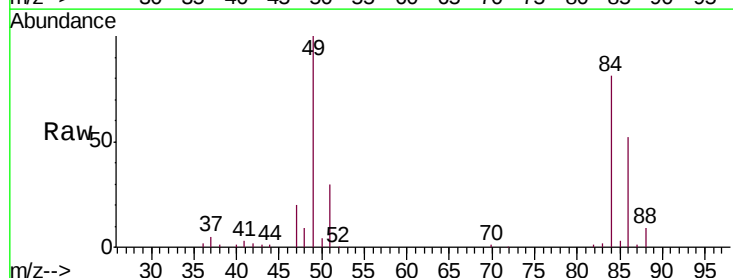
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

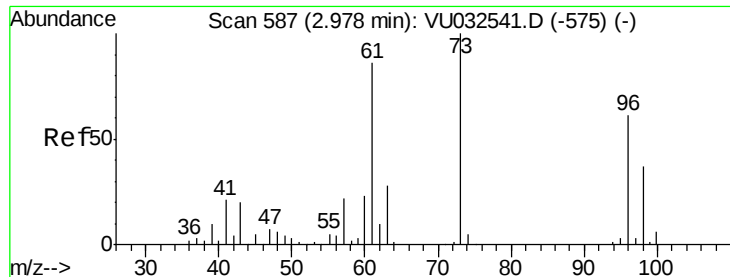
Tgt Ion: 43 Resp: 87339
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0



#16
Methylene chloride
Concen: 51.086 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032553.D
Acq: 10 Jun 2019 08:57

Tgt Ion: 84 Resp: 72285
Ion Ratio Lower Upper
84 100
86 64.0 44.7 82.9
49 124.1 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 50.922 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

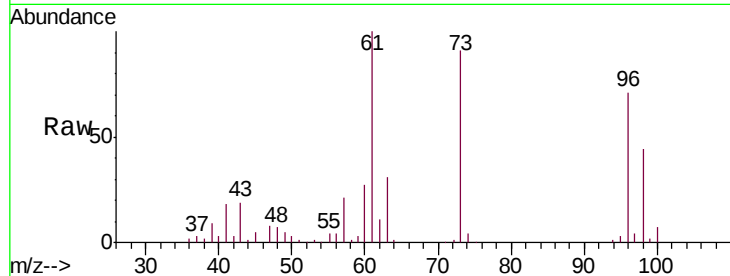
Tgt Ion: 96 Resp: 68428

Ion Ratio Lower Upper

96 100

61 140.7 95.7 177.7

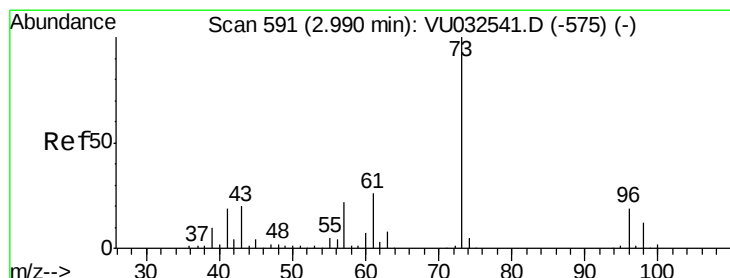
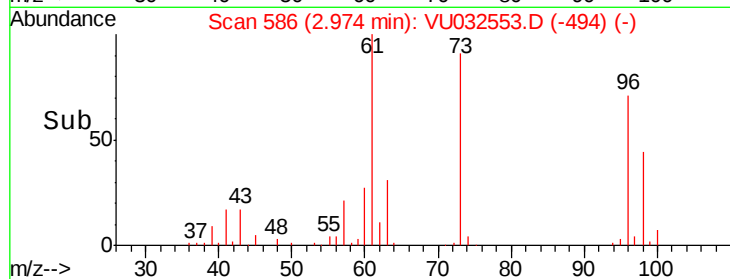
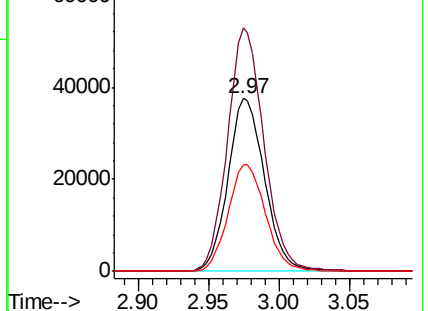
98 62.0 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032553.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU032553.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU032553.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 51.434 ug/L

RT: 2.99 min Scan# 591

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

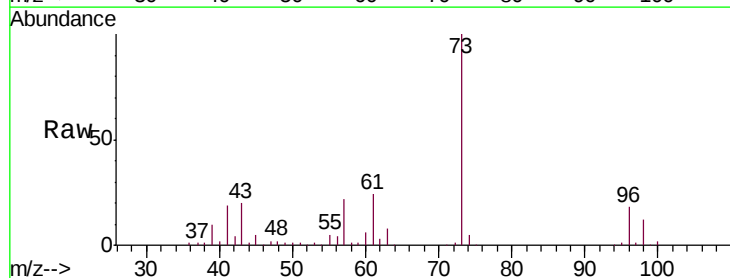
Tgt Ion: 73 Resp: 227067

Ion Ratio Lower Upper

73 100

43 20.1 15.8 23.6

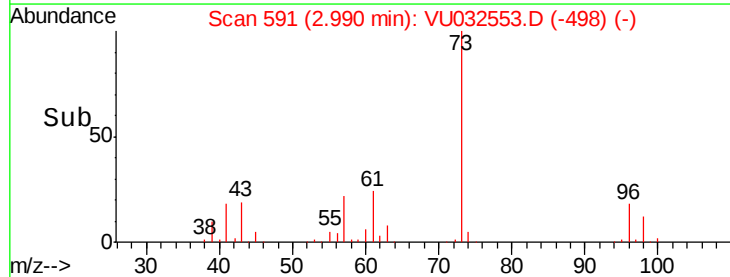
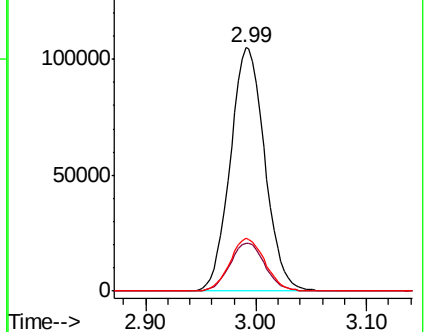
57 22.0 17.6 26.4

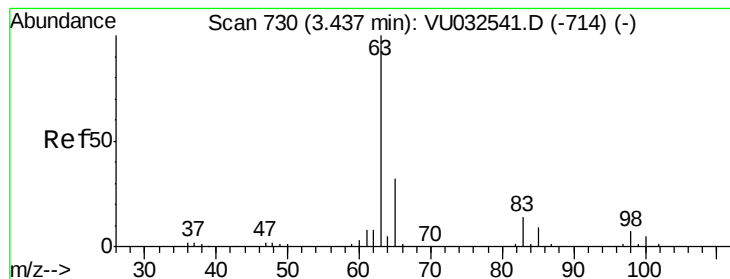


Abundance Ion 73.00 (72.70 to 73.70): VU032553.D (-498) (-)

Ion 43.00 (42.70 to 43.70): VU032553.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU032553.D (-498) (-)





#19

1,1-Dichloroethane

Concen: 51.576 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

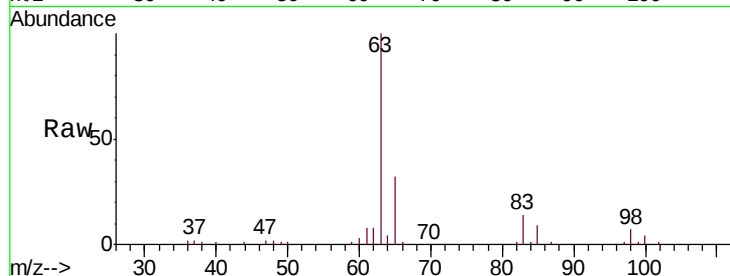
Tgt Ion: 63 Resp: 126348

Ion Ratio Lower Upper

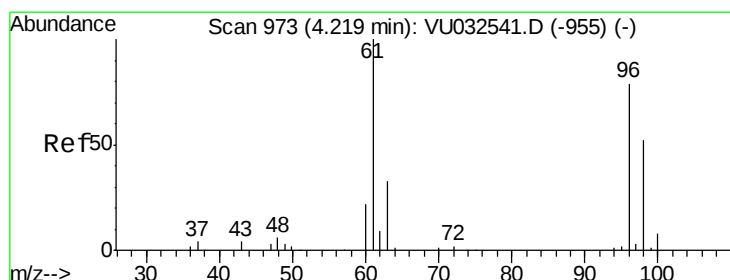
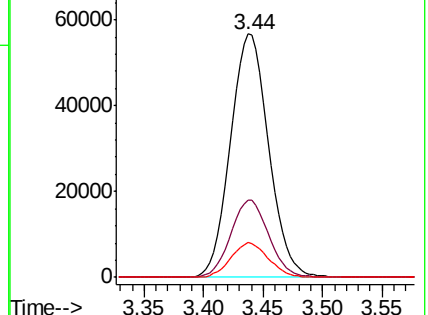
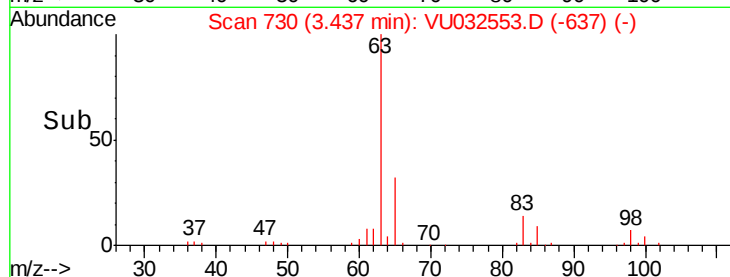
63 100

65 31.6 21.8 40.6

83 14.3 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VU032553.D (-637) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.302 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

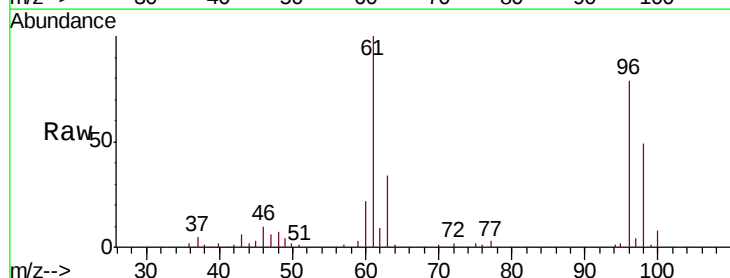
Tgt Ion: 96 Resp: 76499

Ion Ratio Lower Upper

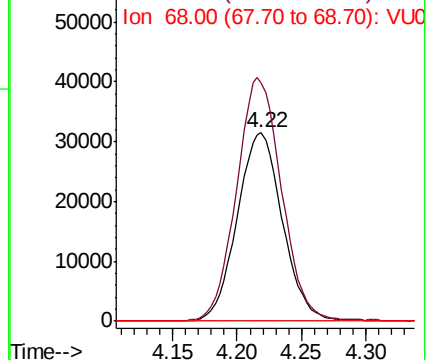
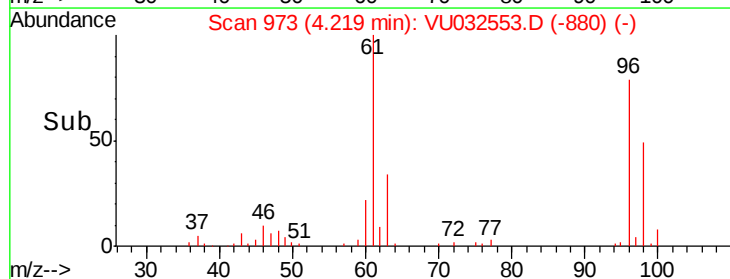
96 100

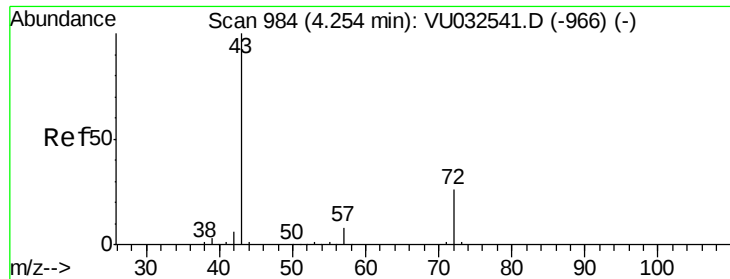
61 126.7 87.2 162.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032553.D (-880) (-)





#22

2-Butanone

Concen: 106.760 ug/L

RT: 4.25 min Scan# 983

Delta R.T. -0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampled :

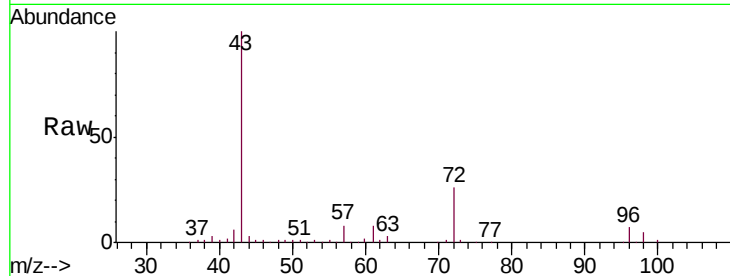
VSTD05040

Tgt Ion: 43 Resp: 147727

Ion Ratio Lower Upper

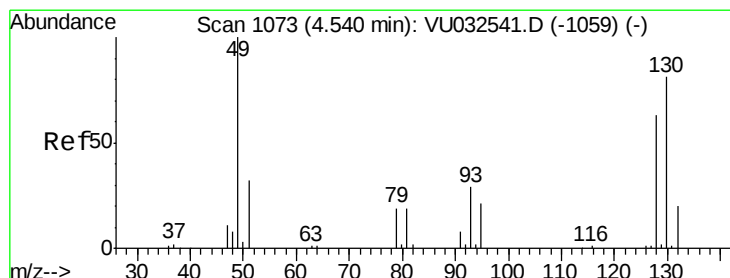
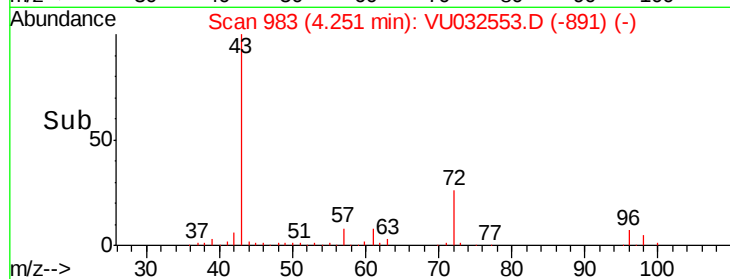
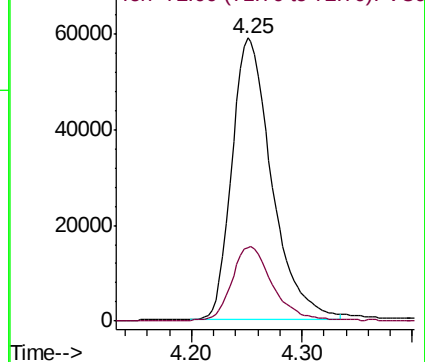
43 100

72 27.2 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032553.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VU032553.D (-891) (-)



#23

Bromochloromethane

Concen: 50.429 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Tgt Ion: 128 Resp: 39877

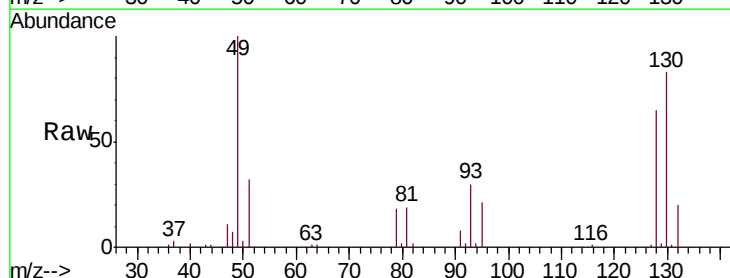
Ion Ratio Lower Upper

128 100

49 154.5 103.7 192.5

130 128.3 92.2 171.2

51 48.9 37.7 56.5

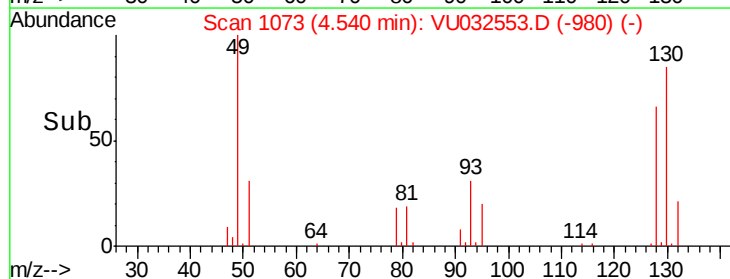
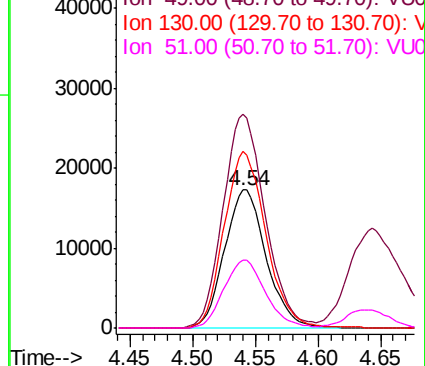


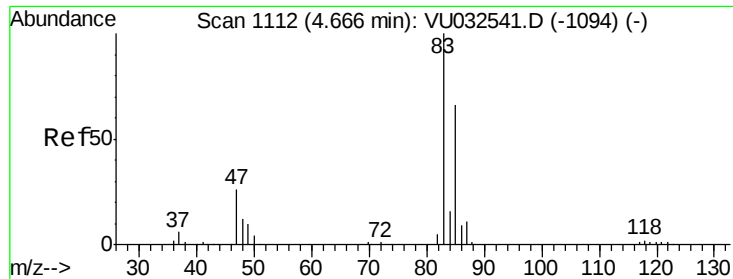
Abundance Ion 128.00 (127.70 to 128.70): VU032553.D (-980) (-)

Ion 49.00 (48.70 to 49.70): VU032553.D (-980) (-)

Ion 130.00 (129.70 to 130.70): VU032553.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VU032553.D (-980) (-)

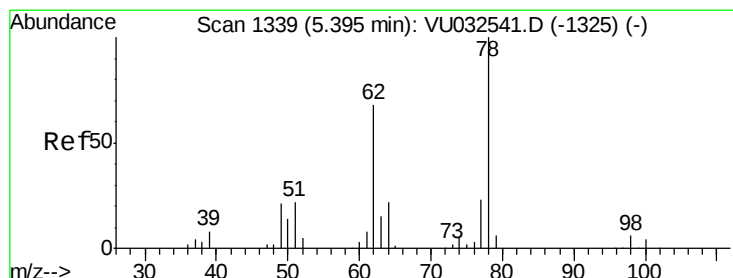
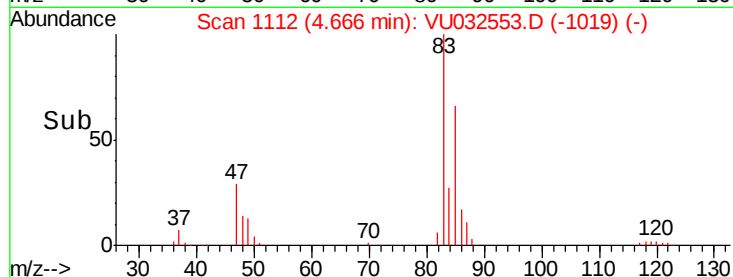
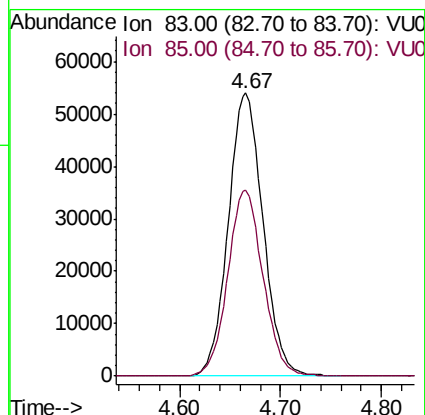
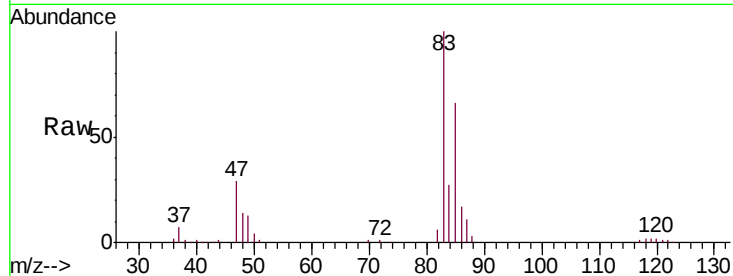




#25
Chloroform
Concen: 51.178 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032553.D
Acq: 10 Jun 2019 08:57

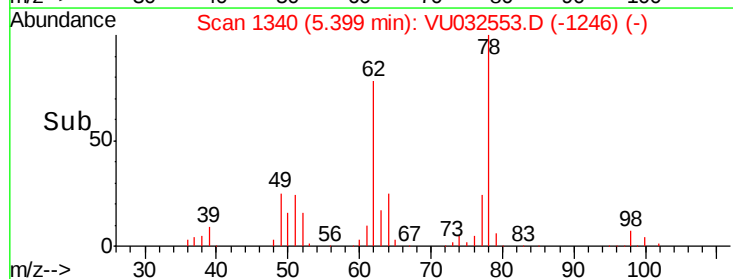
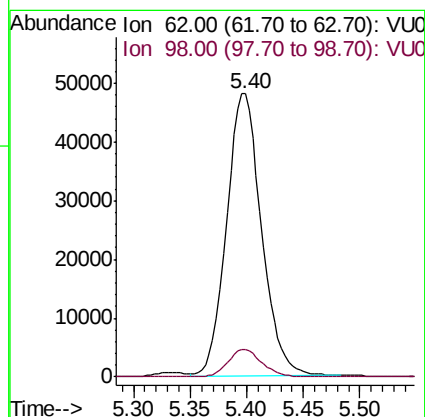
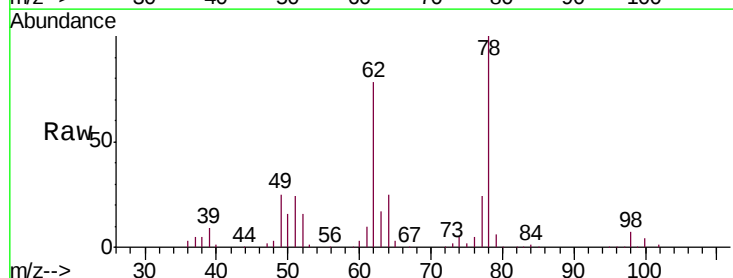
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

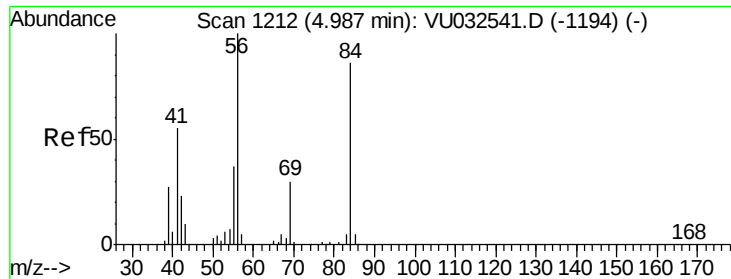
Tgt Ion: 83 Resp: 129377
Ion Ratio Lower Upper
83 100
85 65.7 44.7 82.9



#27
1,2-Dichloroethane
Concen: 51.809 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032553.D
Acq: 10 Jun 2019 08:57

Tgt Ion: 62 Resp: 103539
Ion Ratio Lower Upper
62 100
98 9.6 7.2 10.8

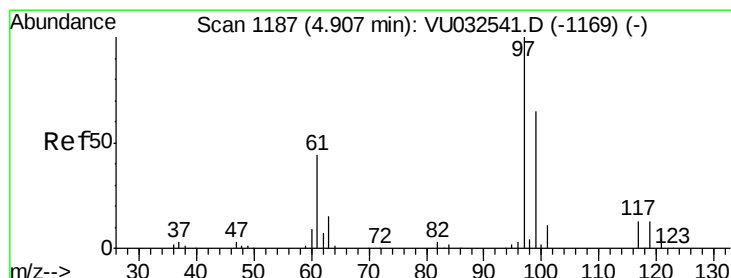
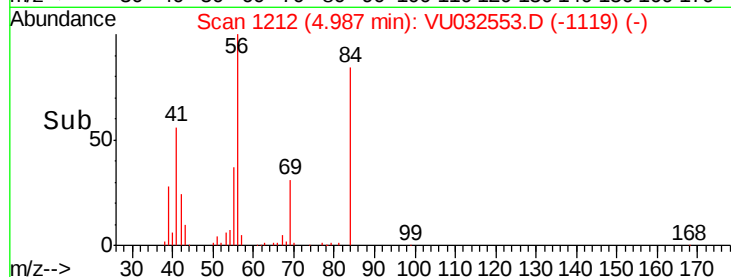
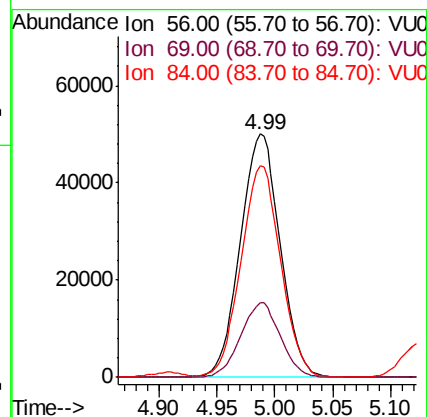
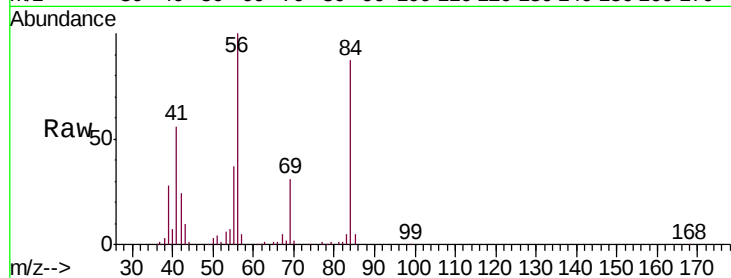




#29
Cyclohexane
Concen: 51.367 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU032553.D
Acq: 10 Jun 2019 08:57

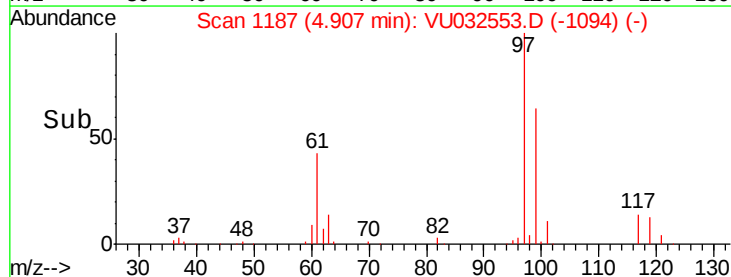
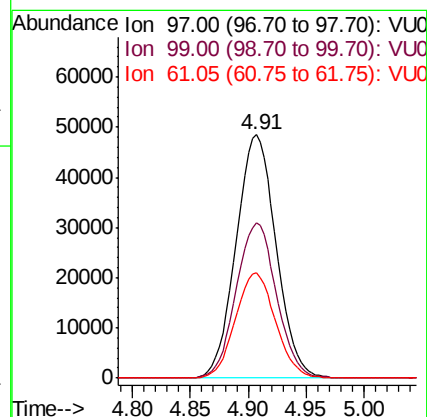
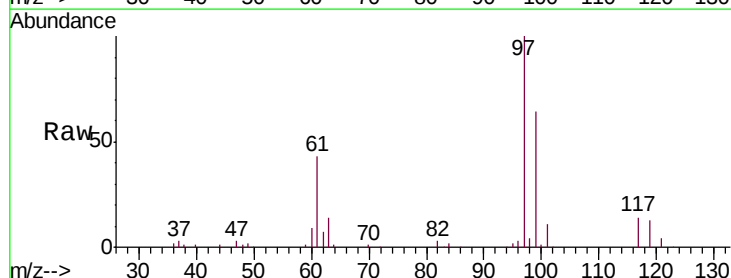
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

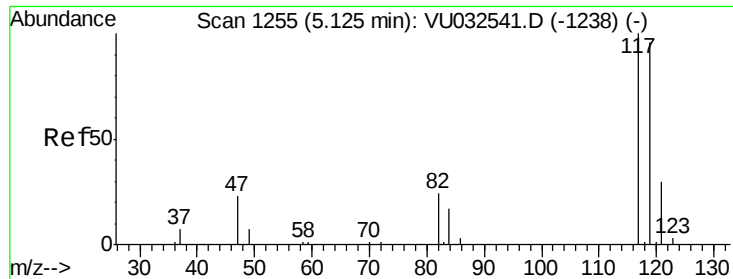
Tgt Ion: 56 Resp: 119664
Ion Ratio Lower Upper
56 100
69 30.5 24.7 37.1
84 86.6 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 52.404 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU032553.D
Acq: 10 Jun 2019 08:57

Tgt Ion: 97 Resp: 116188
Ion Ratio Lower Upper
97 100
99 64.4 50.5 75.7
61 43.3 33.8 50.6





#31

Carbon tetrachloride

Concen: 53.414 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

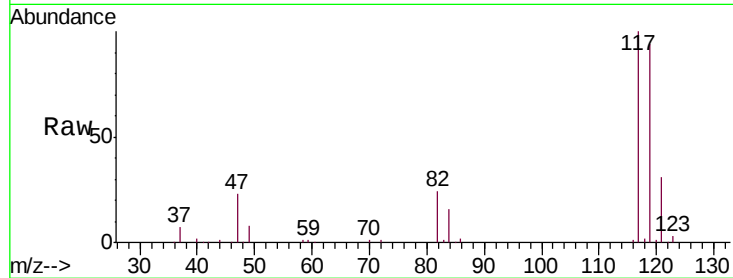
VSTD05040

Tgt Ion:117 Resp: 108542

Ion Ratio Lower Upper

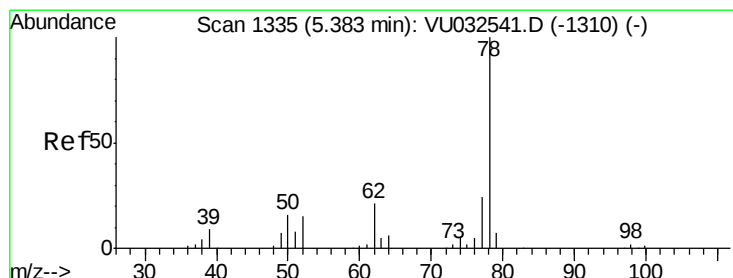
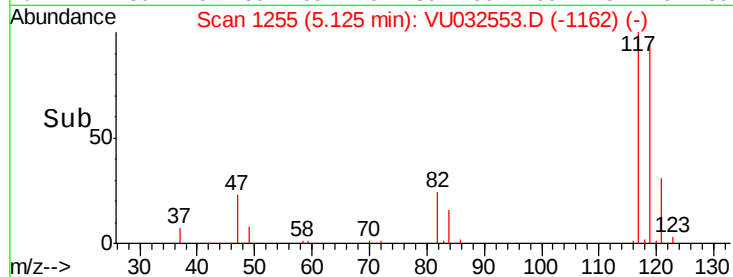
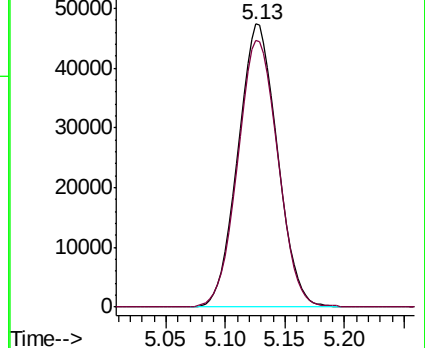
117 100

119 96.3 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: 51.178 ug/L

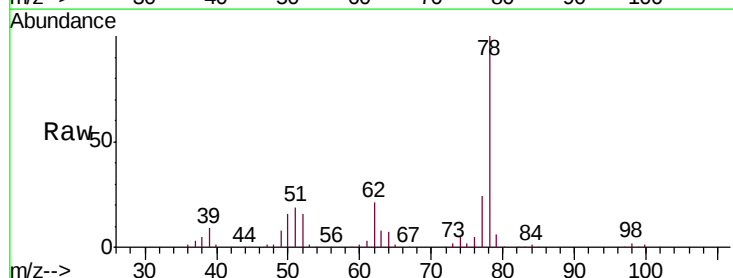
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

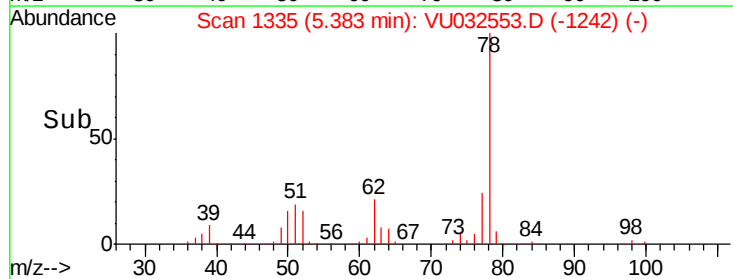
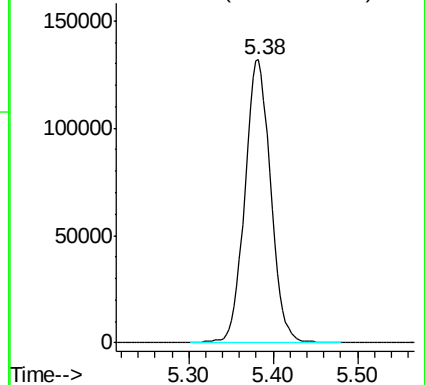
Lab File: VU032553.D

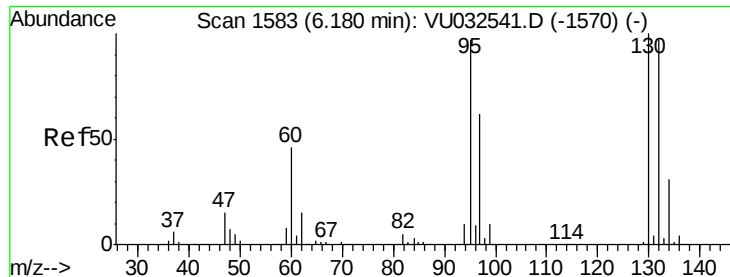
Acq: 10 Jun 2019 08:57

Tgt Ion: 78 Resp: 281628



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 52.487 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

Tgt Ion: 95 Resp: 78580

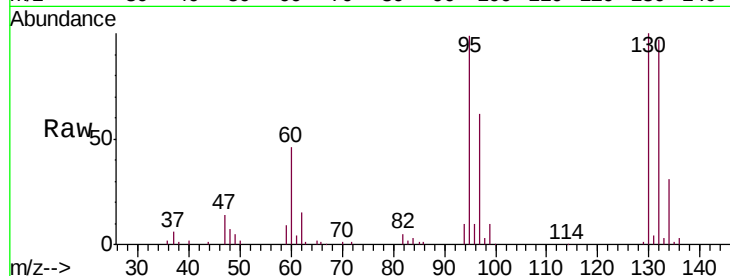
Ion Ratio Lower Upper

95 100

97 63.1 45.8 85.2

132 97.9 71.0 131.8

130 101.0 73.4 136.2

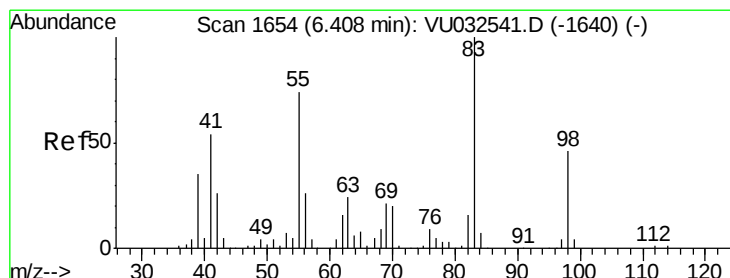
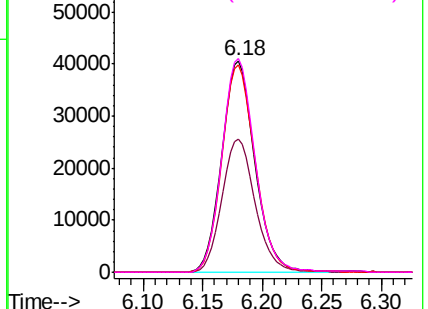
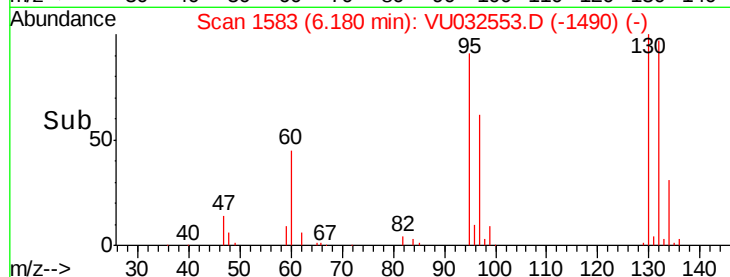


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 51.888 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

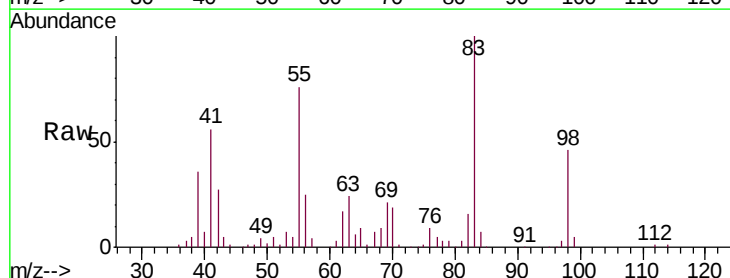
Tgt Ion: 83 Resp: 125762

Ion Ratio Lower Upper

83 100

55 76.2 60.2 90.4

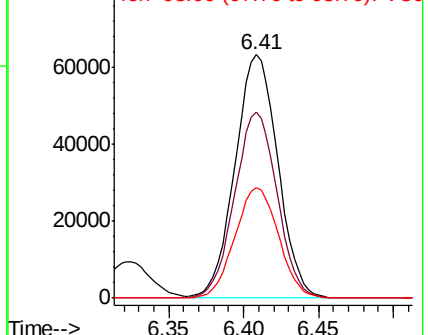
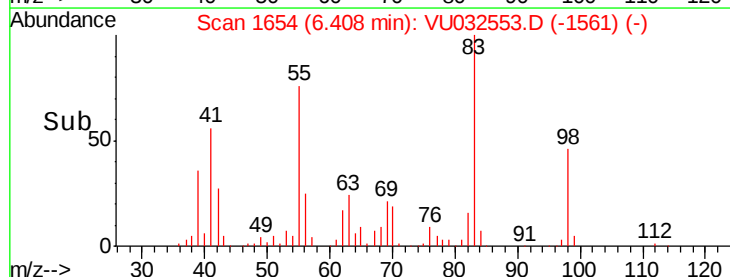
98 46.5 37.4 56.2

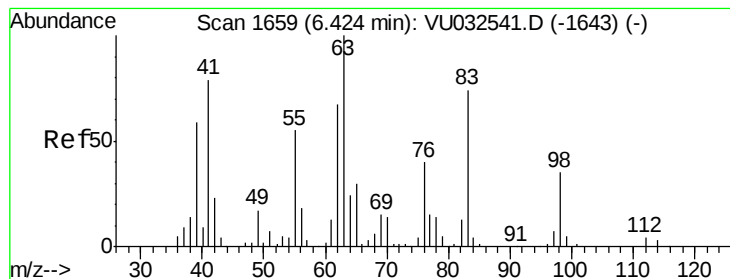


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 51.517 ug/L

RT: 6.42 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

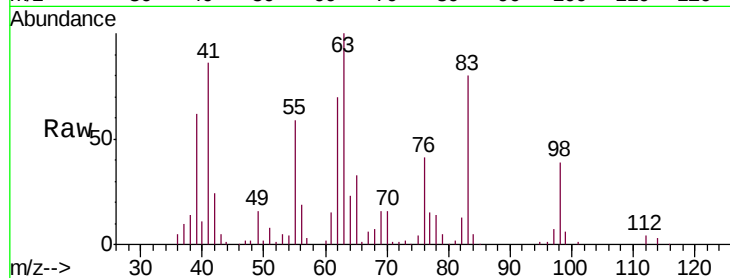
VSTD05040

Tgt Ion: 63 Resp: 75150

Ion Ratio Lower Upper

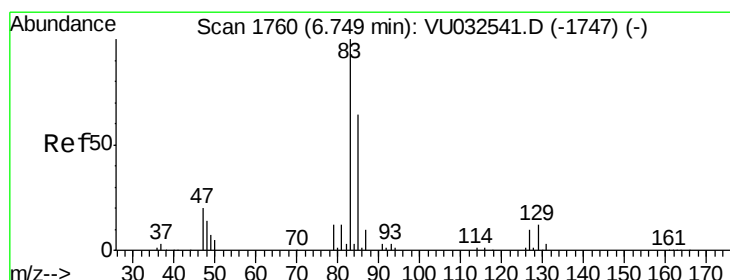
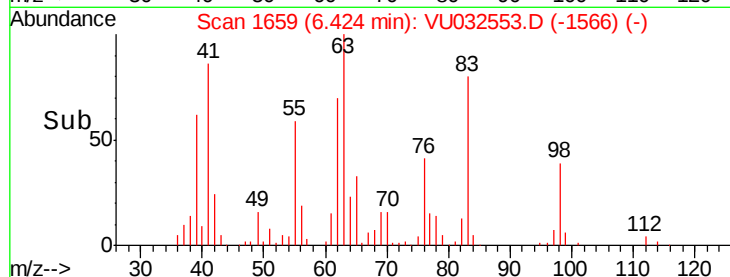
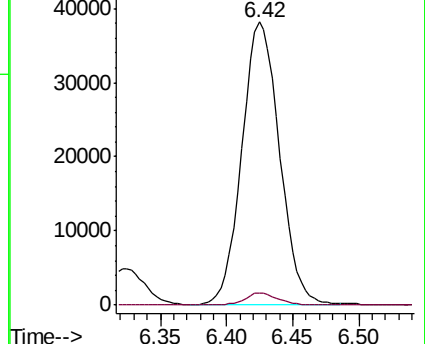
63 100

112 3.9 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 53.791 ug/L

RT: 6.75 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

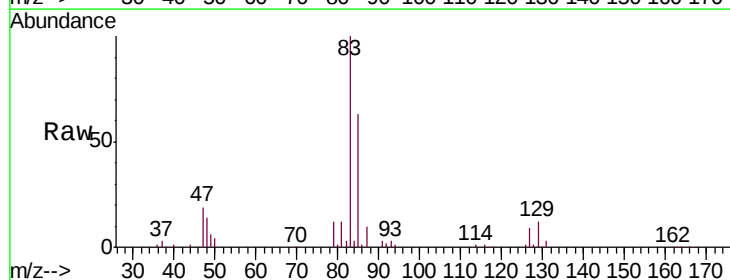
Tgt Ion: 83 Resp: 101036

Ion Ratio Lower Upper

83 100

85 62.6 45.4 84.4

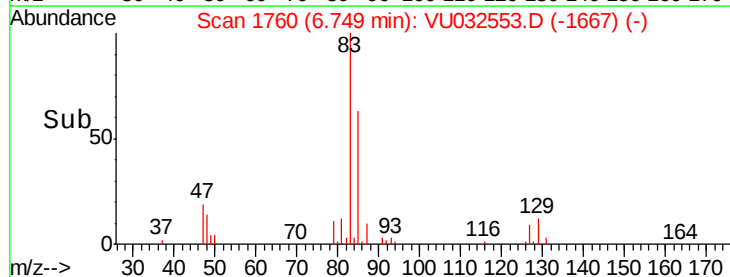
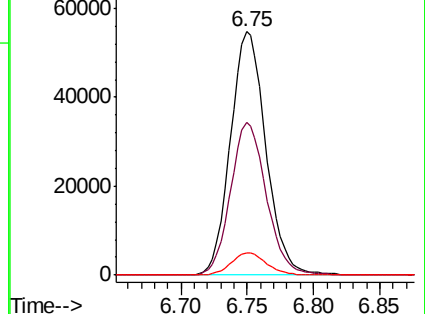
127 8.9 7.4 11.2

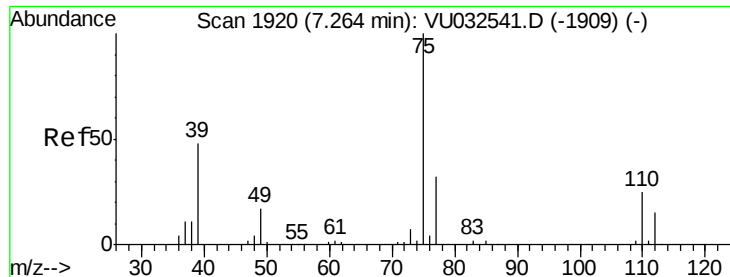


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

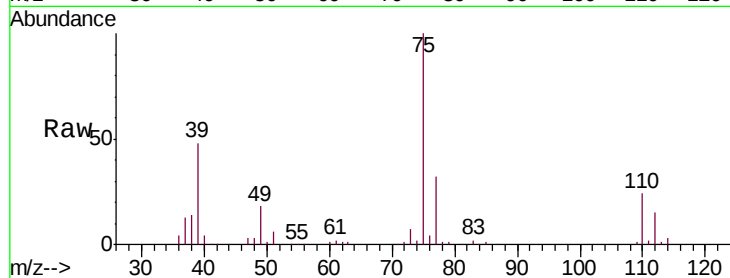




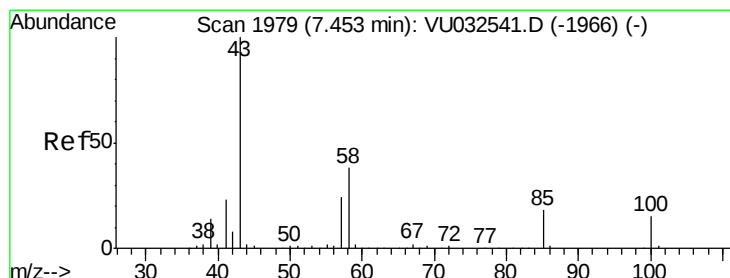
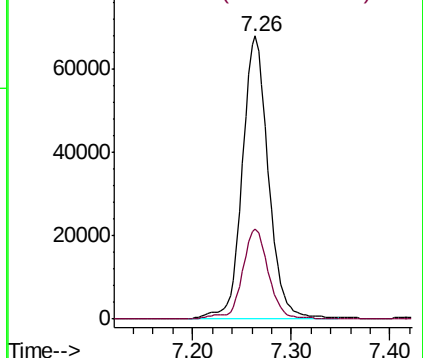
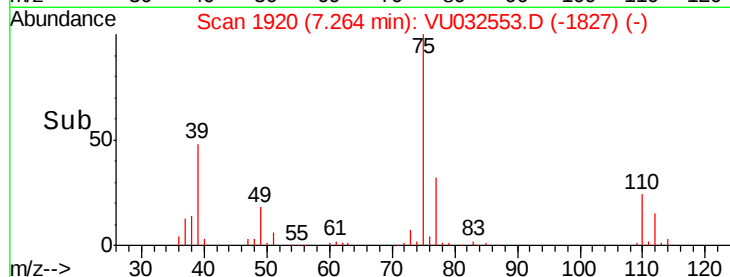
#39
 cis-1,3-Dichloropropene
 Concen: 54.301 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032553.D
 Acq: 10 Jun 2019 08:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Tgt Ion: 75 Resp: 124978
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.0 41.0

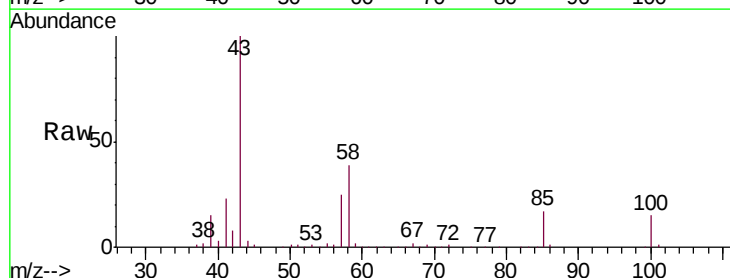


Abundance Ion 75.00 (74.70 to 75.70): VU032553.D (-1827) (-)
 Ion 77.00 (76.70 to 77.70): VU032553.D (-1827) (-)

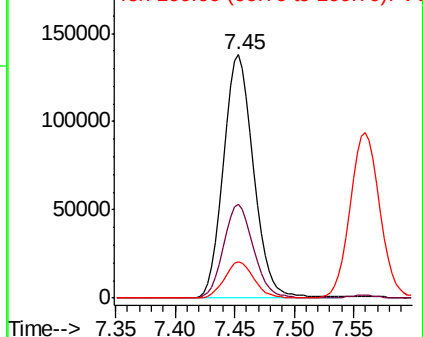
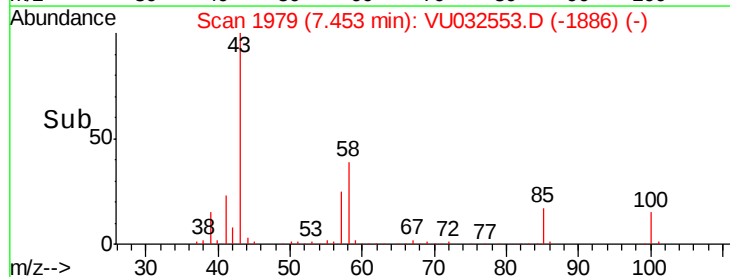


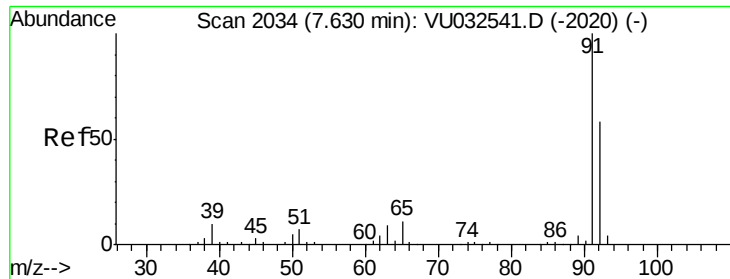
#40
 4-Methyl-2-pentanone
 Concen: 103.502 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032553.D
 Acq: 10 Jun 2019 08:57

Tgt Ion: 43 Resp: 242897
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.8 46.2
 100 14.5 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VU032553.D (-1886) (-)
 Ion 58.00 (57.70 to 58.70): VU032553.D (-1886) (-)
 Ion 100.00 (99.70 to 100.70): VU032553.D (-1886) (-)





#42

Toluene

Concen: 50.589 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

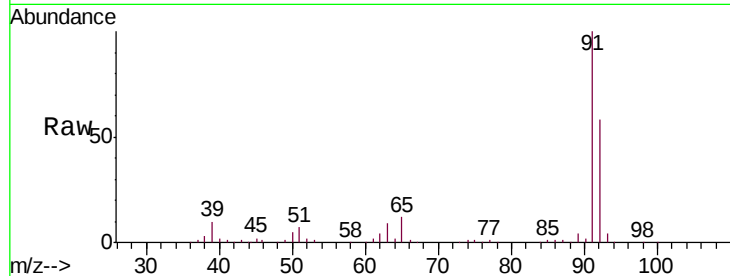
VSTD05040

Tgt Ion: 91 Resp: 304880

Ion Ratio Lower Upper

91 100

92 58.1 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032541.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032541.D (-2020) (-)

7.63

200000

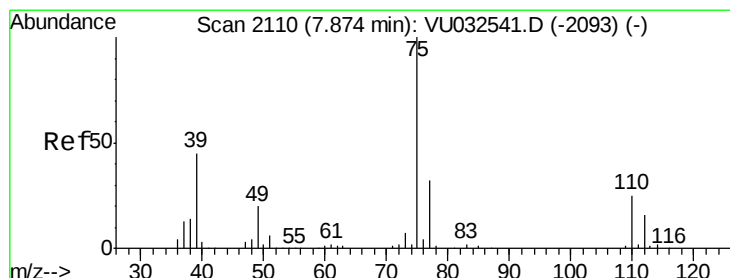
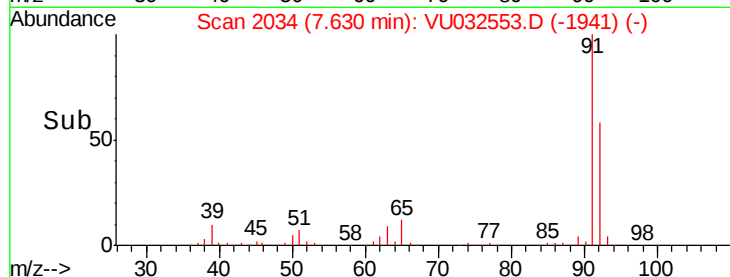
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.449 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032553.D

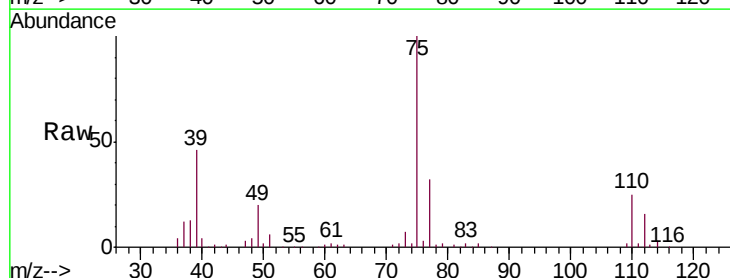
Acq: 10 Jun 2019 08:57

Tgt Ion: 75 Resp: 111231

Ion Ratio Lower Upper

75 100

77 31.5 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032541.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032541.D (-2093) (-)

7.87

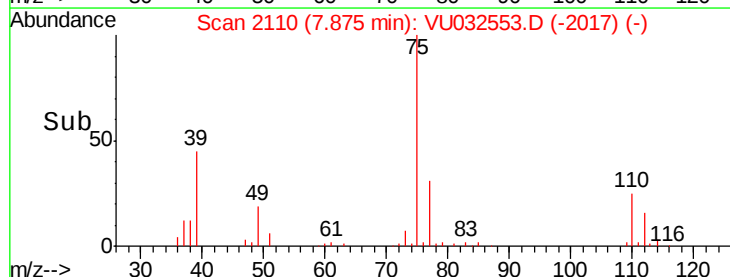
60000

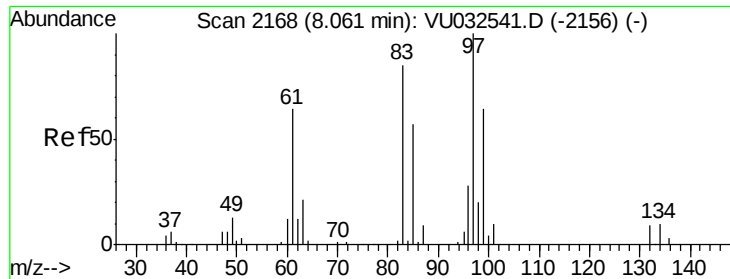
40000

20000

0

Time-->

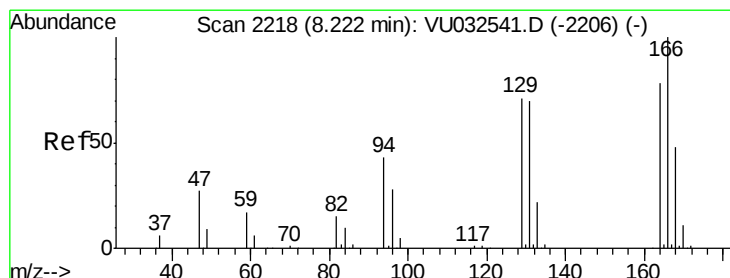
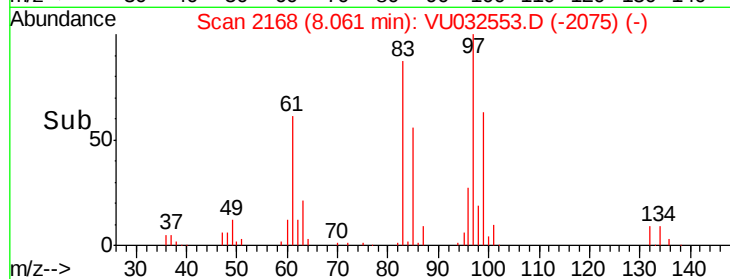
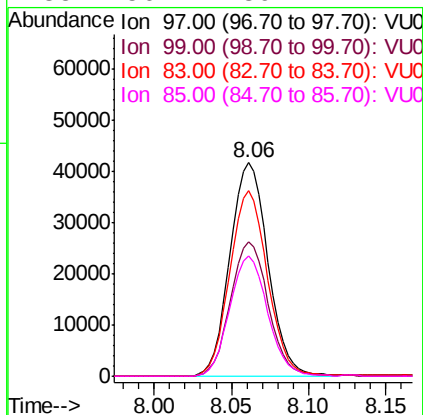
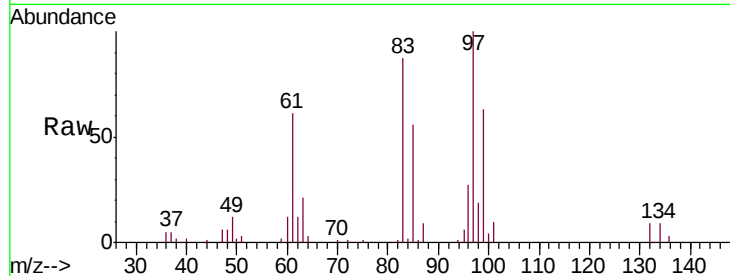




#45
 1,1,2-Trichloroethane
 Concen: 51.701 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032553.D
 Acq: 10 Jun 2019 08:57

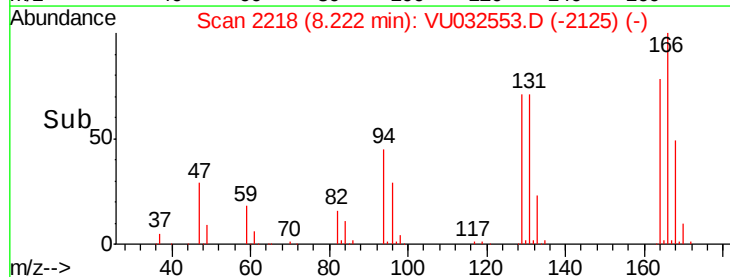
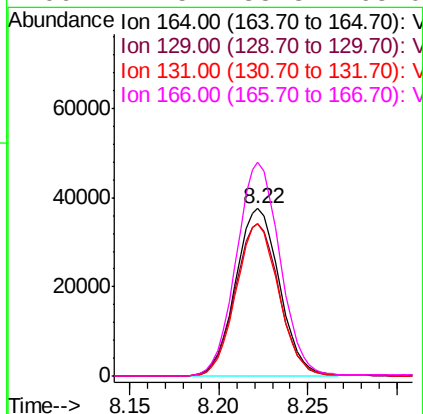
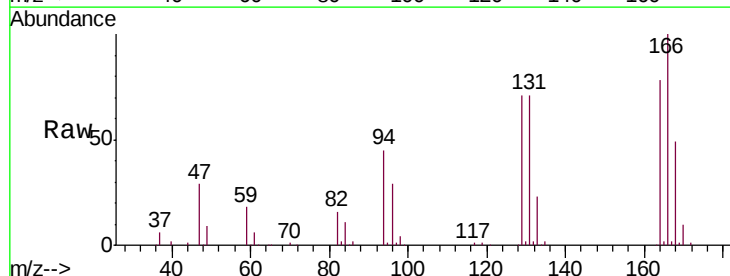
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

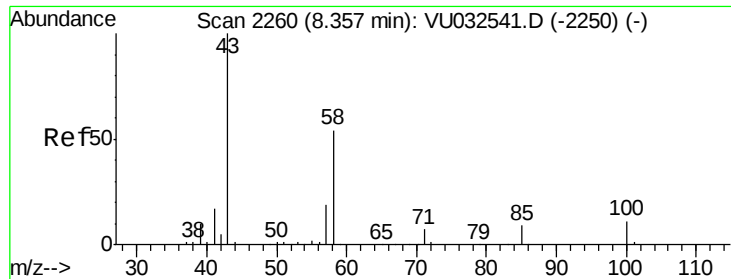
Tgt Ion:	97	Resp:	71319
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.1	81.9
83	86.6	59.4	110.2
85	56.1	39.1	72.7



#46
 Tetrachloroethene
 Concen: 52.201 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032553.D
 Acq: 10 Jun 2019 08:57

Tgt Ion:	164	Resp:	64547
Ion	Ratio	Lower	Upper
164	100		
129	90.8	65.3	121.3
131	91.0	64.0	119.0
166	127.5	88.8	165.0

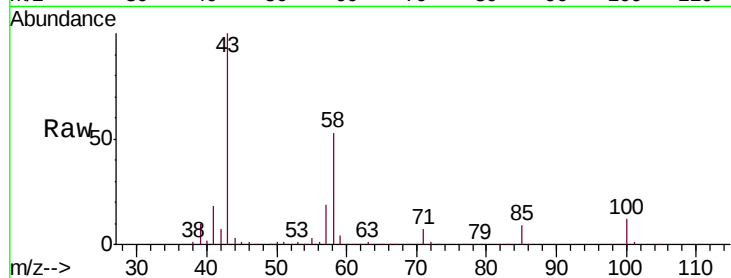




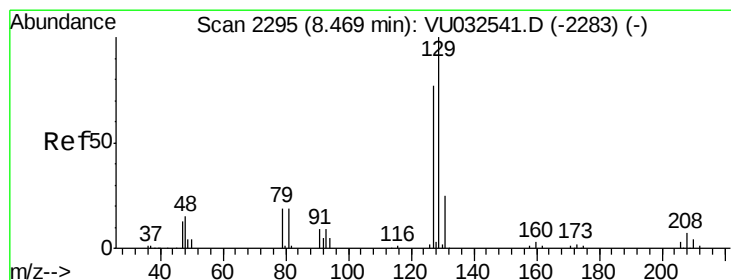
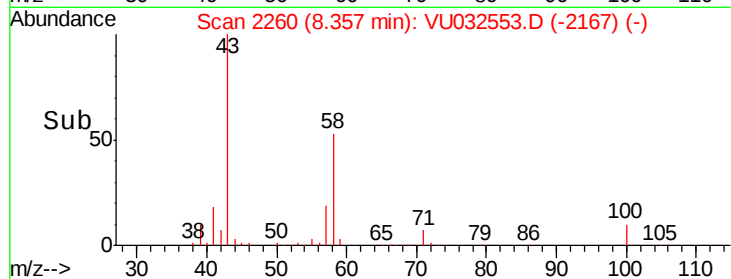
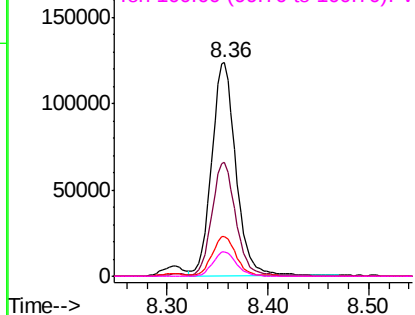
#48
2-Hexanone
Concen: 106.786 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032553.D
Acq: 10 Jun 2019 08:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Tgt Ion: 43 Resp: 205833
Ion Ratio Lower Upper
43 100
58 52.3 42.0 63.0
57 18.4 14.6 22.0
100 11.4 9.2 13.8

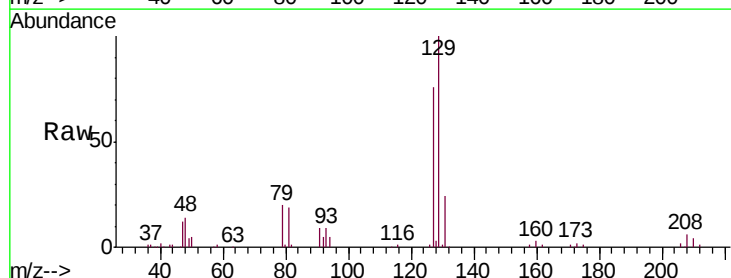


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

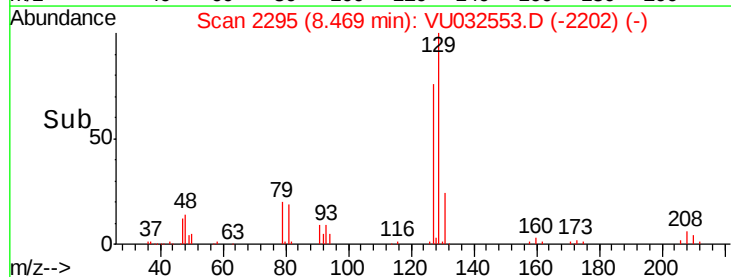
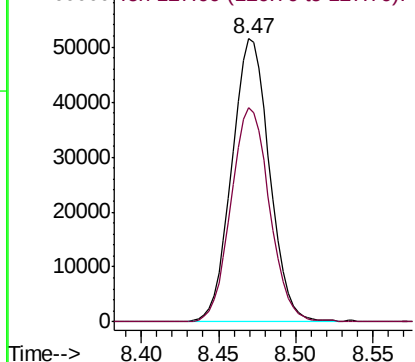


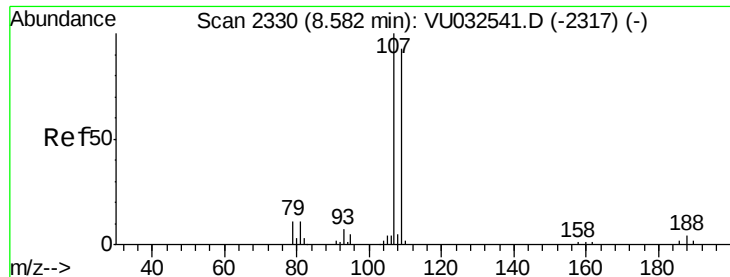
#49
Dibromochloromethane
Concen: 54.331 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU032553.D
Acq: 10 Jun 2019 08:57

Tgt Ion: 129 Resp: 87114
Ion Ratio Lower Upper
129 100
127 75.6 53.6 99.6



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

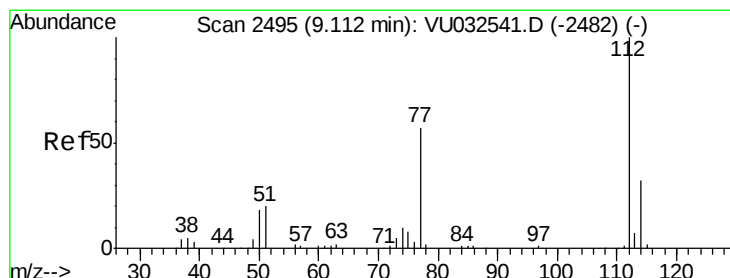
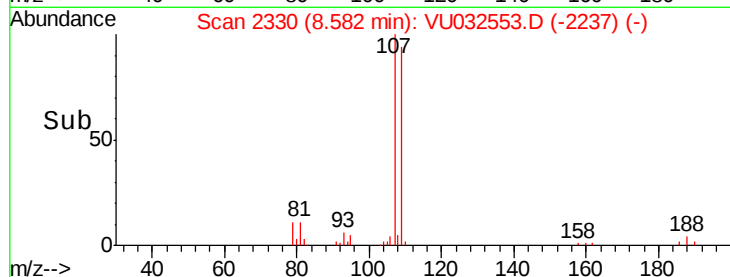
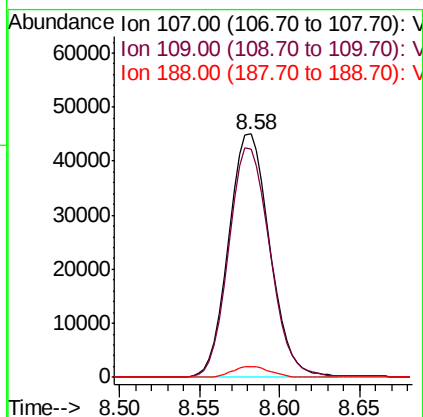
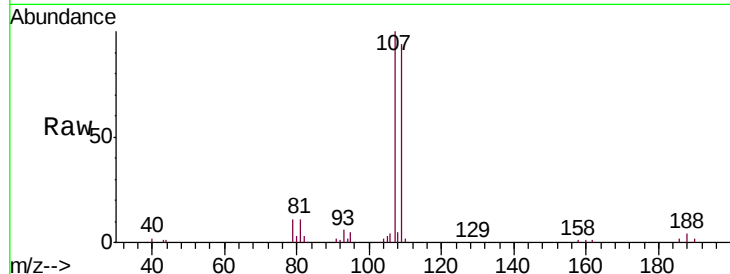




#50
1,2-Dibromoethane
Concen: 50.984 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032553.D
Acq: 10 Jun 2019 08:57

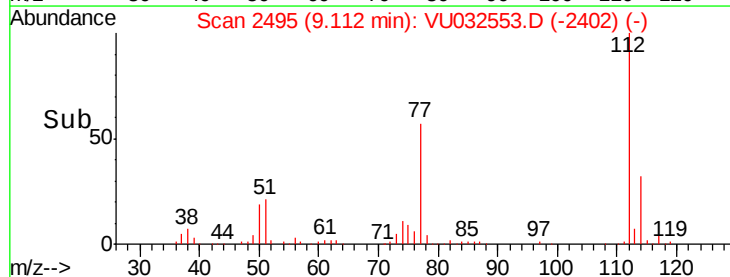
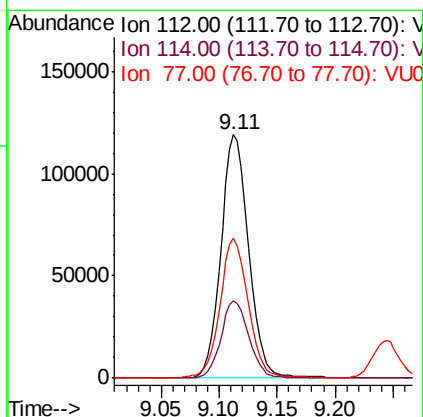
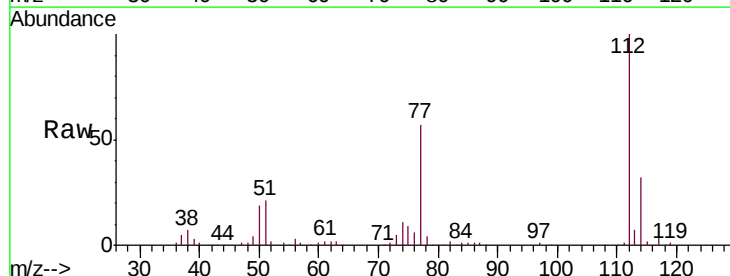
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

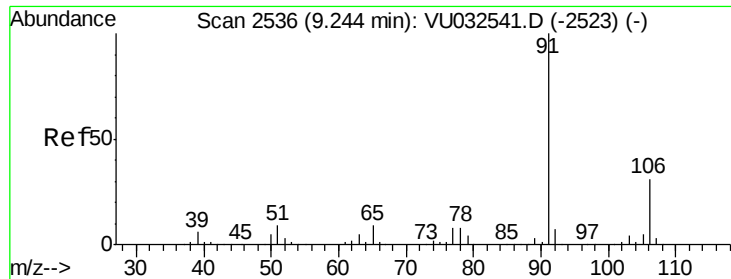
Tgt Ion:107 Resp: 79163
Ion Ratio Lower Upper
107 100
109 93.9 66.8 124.0
188 4.4 3.1 4.7



#51
Chlorobenzene
Concen: 51.065 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU032553.D
Acq: 10 Jun 2019 08:57

Tgt Ion:112 Resp: 198275
Ion Ratio Lower Upper
112 100
114 32.0 22.6 42.0
77 57.3 46.1 69.1





#52

Ethylbenzene

Concen: 51.029 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

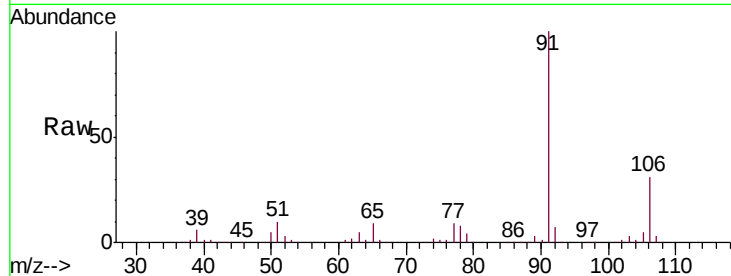
VSTD05040

Tgt Ion: 91 Resp: 342795

Ion Ratio Lower Upper

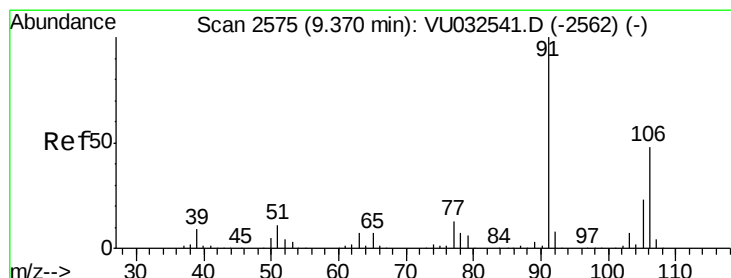
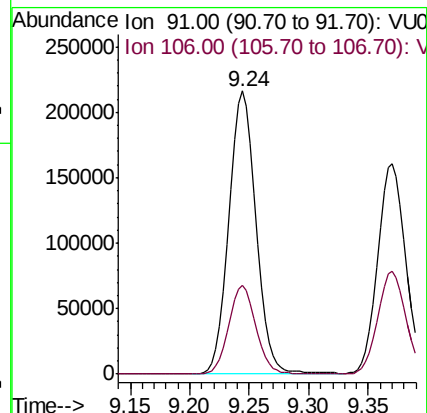
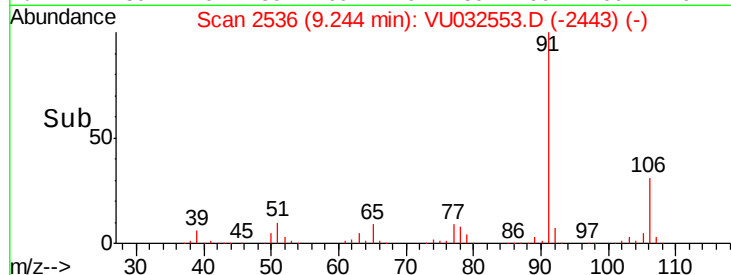
91 100

106 31.3 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032553.D (-2443) (-)

Ion 106.00 (105.70 to 106.70): VU032553.D (-2443) (-)



#53

m,p-Xylene

Concen: 50.352 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032553.D

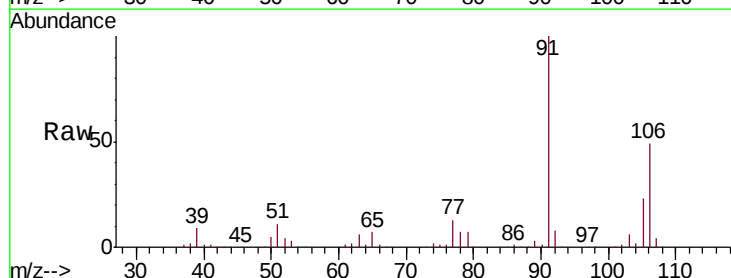
Acq: 10 Jun 2019 08:57

Tgt Ion: 106 Resp: 128618

Ion Ratio Lower Upper

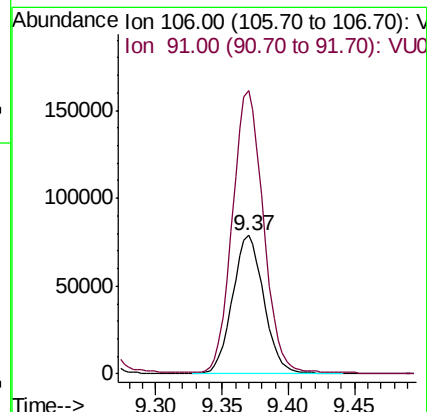
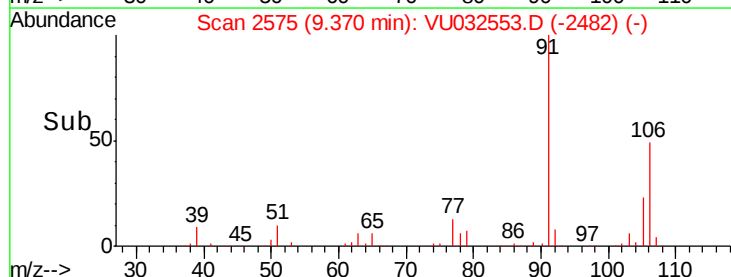
106 100

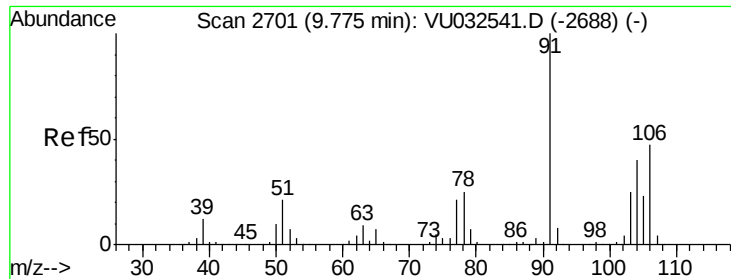
91 204.9 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032553.D (-2482) (-)

Ion 91.00 (90.70 to 91.70): VU032553.D (-2482) (-)





#54

o-xylene

Concen: 50.949 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

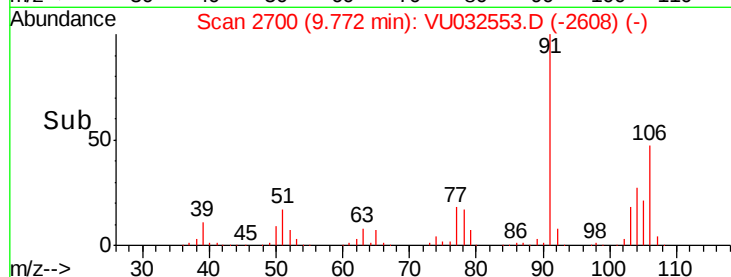
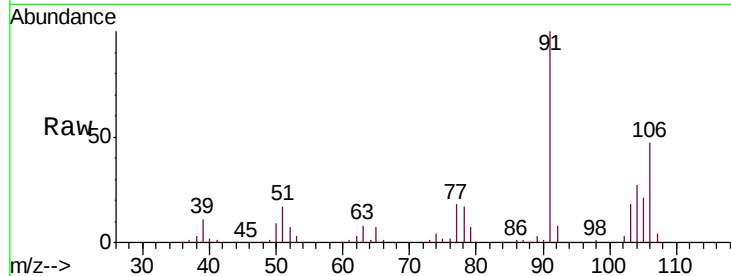
VSTD05040

Tgt Ion:106 Resp: 129218

Ion Ratio Lower Upper

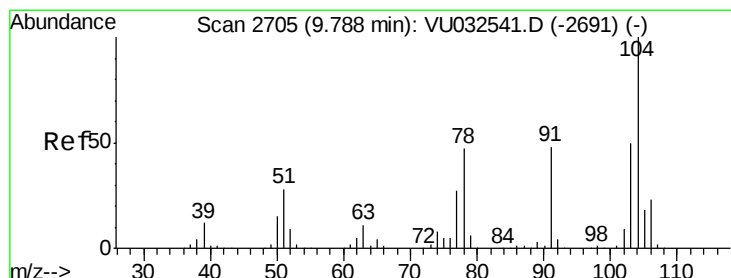
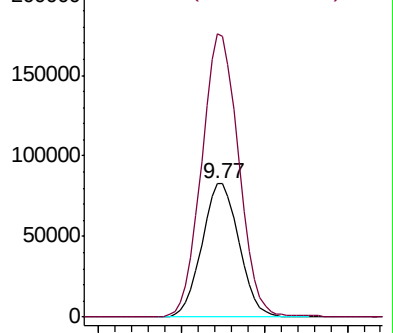
106 100

91 212.2 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.785 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032553.D

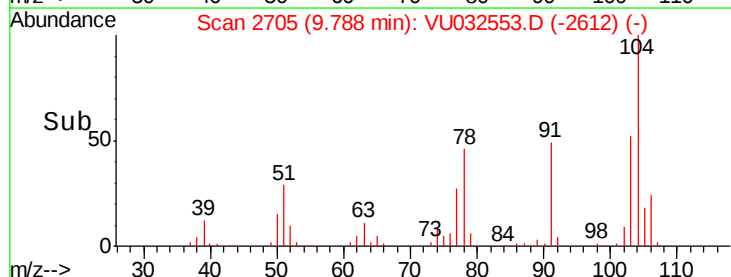
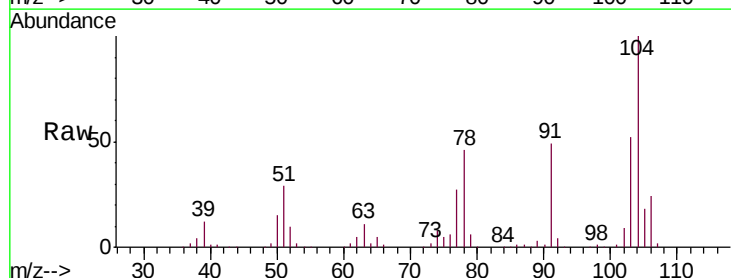
Acq: 10 Jun 2019 08:57

Tgt Ion:104 Resp: 215027

Ion Ratio Lower Upper

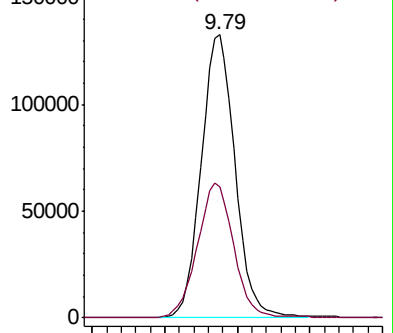
104 100

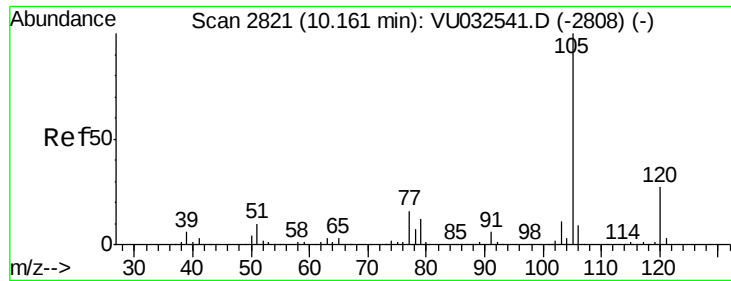
78 46.2 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.250 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

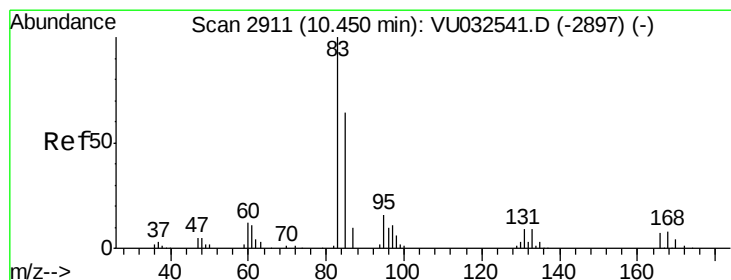
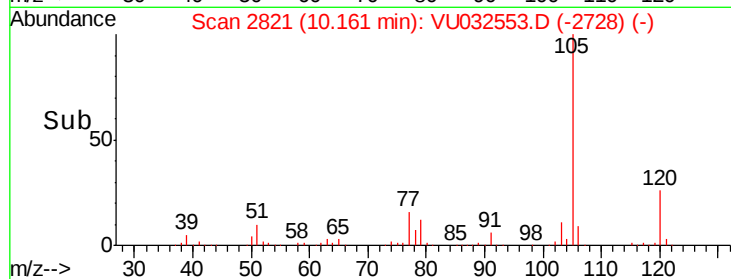
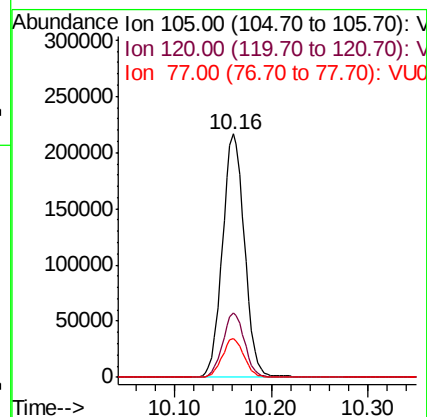
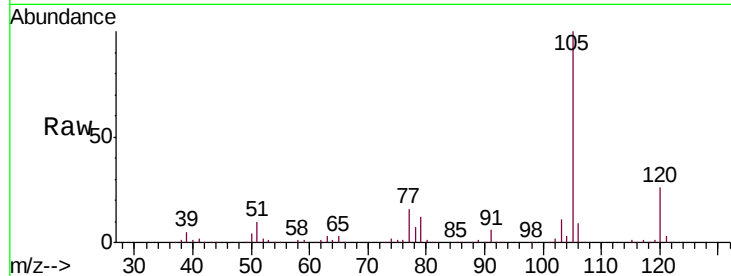
Tgt Ion: 105 Resp: 342745

Ion Ratio Lower Upper

105 100

120 26.1 21.6 32.4

77 15.7 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 50.494 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

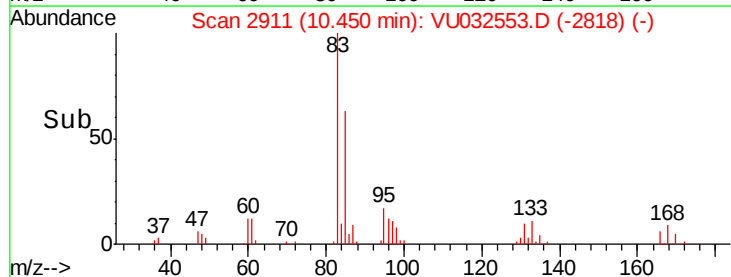
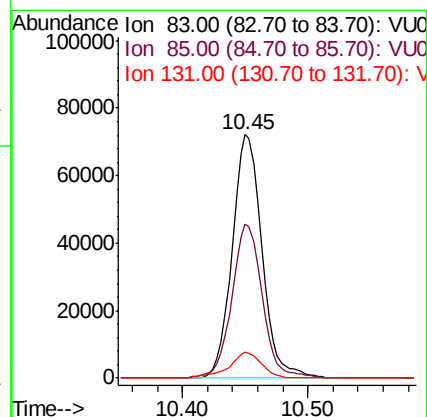
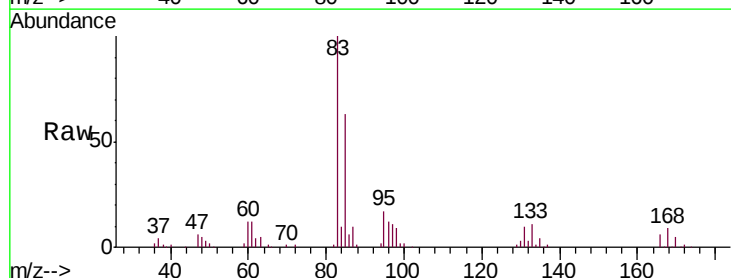
Tgt Ion: 83 Resp: 119048

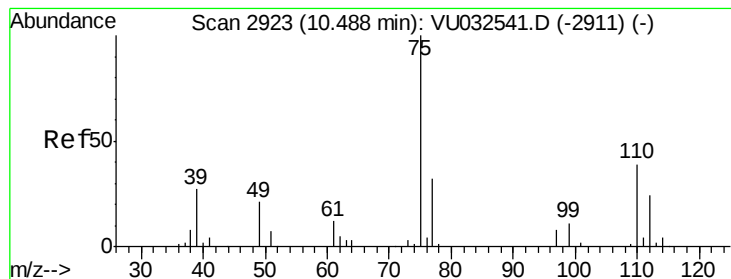
Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.7

131 10.5 7.9 11.9





#59

1,2,3-Trichloropropane

Concen: 50.605 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

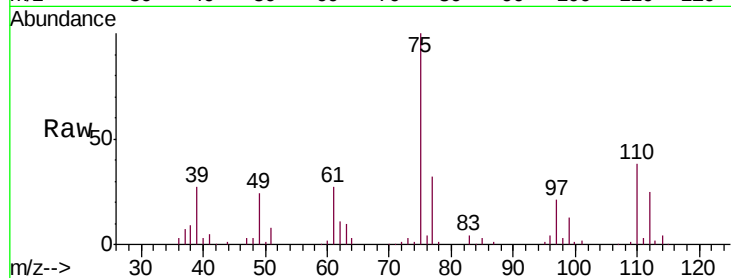
VSTD05040

Tgt Ion: 75 Resp: 95964

Ion Ratio Lower Upper

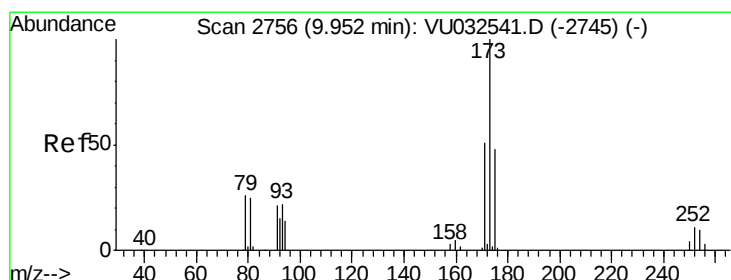
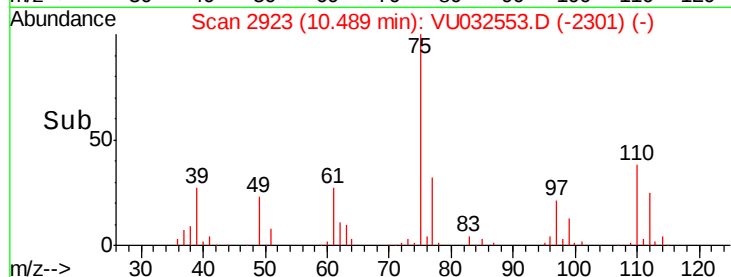
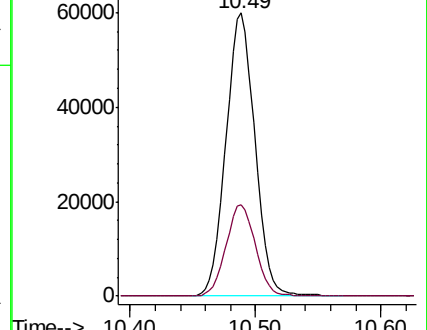
75 100

77 32.8 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU032541.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU032541.D (-2911) (-)



#61

Bromoform

Concen: 55.827 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

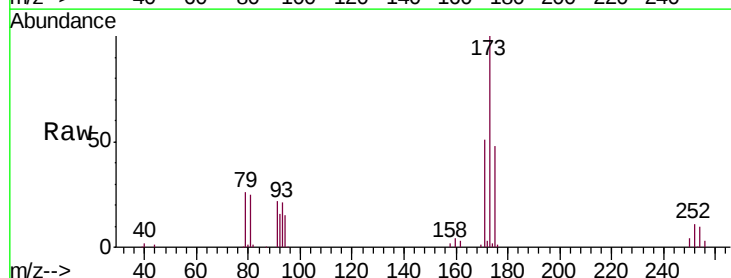
Tgt Ion: 173 Resp: 69851

Ion Ratio Lower Upper

173 100

175 48.9 39.7 59.5

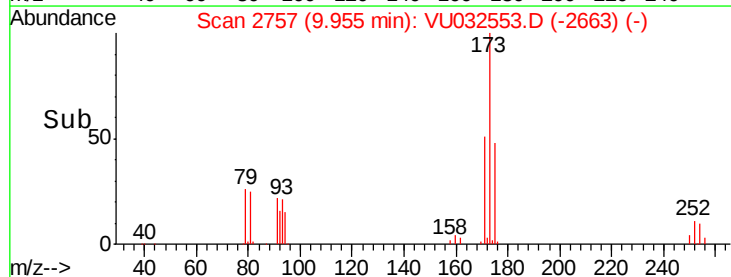
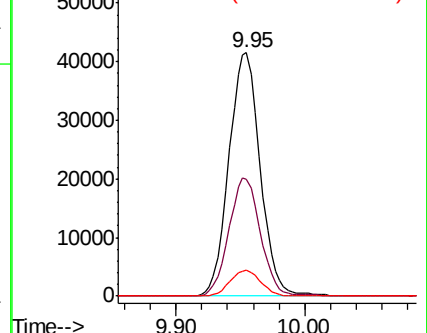
254 10.3 7.8 11.8

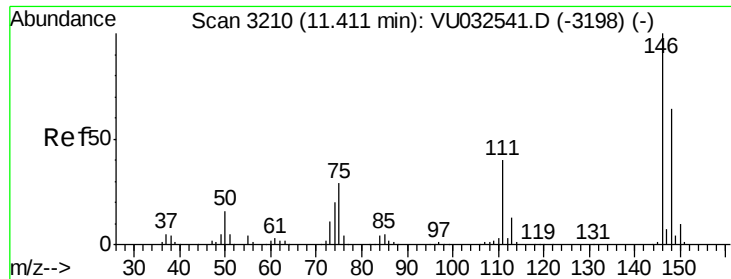


Abundance Ion 173.00 (172.70 to 173.70): VU032541.D (-2745) (-)

Ion 175.00 (174.70 to 175.70): VU032541.D (-2745) (-)

Ion 254.00 (253.70 to 254.70): VU032541.D (-2745) (-)





#62

1,3-Dichlorobenzene

Concen: 51.569 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

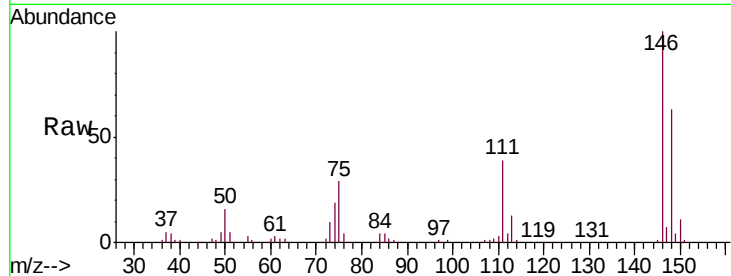
Tgt Ion:146 Resp: 163732

Ion Ratio Lower Upper

146 100

111 38.5 27.3 50.7

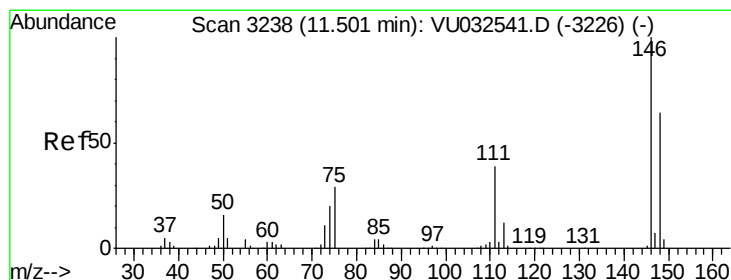
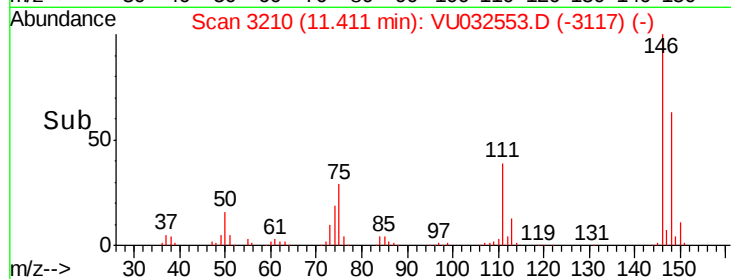
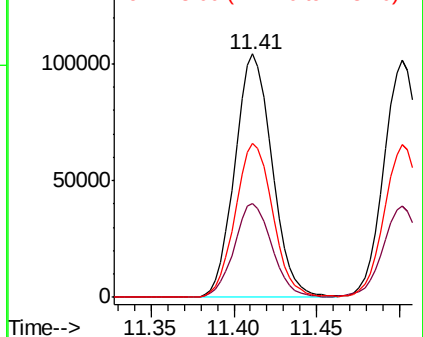
148 63.4 44.4 82.5



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



#63

1,4-Dichlorobenzene

Concen: 50.384 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032553.D

Acq: 10 Jun 2019 08:57

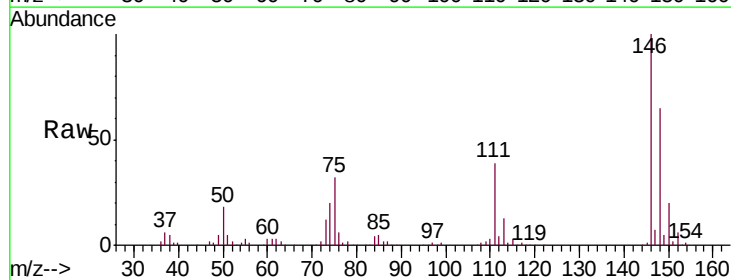
Tgt Ion:146 Resp: 163544

Ion Ratio Lower Upper

146 100

111 38.6 26.6 49.4

148 64.5 44.9 83.5



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

