

Data File : VU032677.D
Acq On : 13 Jun 2019 01:17
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Quant Time: Jun 13 06:04:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:57:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	160932	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	156571	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	84007	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44151	42.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.58%
7) Chloroethane-d5	1.67	69	37640	44.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.72%
11) 1,1-Dichloroethene-d2	2.27	63	95203	46.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.14%
21) 2-Butanone-d5	4.17	46	95111	108.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.85%
24) Chloroform-d	4.64	84	99679	51.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.38%
26) 1,2-Dichloroethane-d4	5.30	65	64855	52.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.74%
32) Benzene-d6	5.33	84	184414	45.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.74%
36) 1,2-Dichloropropane-d6	6.32	67	60998	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.72%
41) Toluene-d8	7.56	98	167894	43.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.12%
43) trans-1,3-Dichloropropene-	7.85	79	27340	44.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.64%
47) 2-Hexanone-d5	8.31	63	53796	87.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	93119	50.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.84%
64) 1,2-Dichlorobenzene-d4	11.86	152	76983	47.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	76394	52.655	ug/L 100
3) Chloromethane	1.32	50	68345	48.751	ug/L 99
5) Vinyl chloride	1.40	62	69444	49.588	ug/L 100
6) Bromomethane	1.62	94	37735	45.216	ug/L 100
8) Chloroethane	1.69	64	41235	49.537	ug/L 98
9) Trichlorofluoromethane	1.88	101	99459	52.595	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	52345	53.225	ug/L 99
12) 1,1-Dichloroethene	2.28	96	50616	53.005	ug/L 80
13) Acetone	2.32	43	70095	77.748	ug/L 98
14) Carbon disulfide	2.47	76	145975	50.311	ug/L 98
15) Methyl Acetate	2.61	43	74150	57.604	ug/L 100
16) Methylene chloride	2.69	84	59904	54.977	ug/L 95
17) trans-1,2-Dichloroethene	2.98	96	54256	52.431	ug/L 95
18) Methyl tert-butyl Ether	2.99	73	180951	53.227	ug/L 99
19) 1,1-Dichloroethane	3.44	63	106295	56.347	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	62436	53.313	ug/L 96
22) 2-Butanone	4.26	43	106177	99.644	ug/L 99

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	33041	54.261	ug/L	93
25) Chloroform	4.67	83	110331	56.676	ug/L	100
27) 1,2-Dichloroethane	5.40	62	90515	58.817	ug/L	98
29) Cyclohexane	4.99	56	89574	48.098	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	93797	52.920	ug/L	97
31) Carbon tetrachloride	5.13	117	87395	53.798	ug/L	98
33) Benzene	5.38	78	229827	52.244	ug/L	100
34) Trichloroethene	6.18	95	64040	53.507	ug/L	99
35) Methylcyclohexane	6.41	83	91175	47.057	ug/L	98
37) 1,2-Dichloropropane	6.43	63	63000	54.024	ug/L	100
38) Bromodichloromethane	6.75	83	82889	55.202	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	92184	50.102	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	202172	107.764	ug/L	99
42) Toluene	7.63	91	249023	51.688	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	81647	49.995	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	59719	54.154	ug/L	99
46) Tetrachloroethene	8.22	164	49387	49.962	ug/L	98
48) 2-Hexanone	8.36	43	164226	106.577	ug/L	99
49) Dibromochloromethane	8.47	129	69718	54.392	ug/L	97
50) 1,2-Dibromoethane	8.58	107	66083	53.239	ug/L	99
51) Chlorobenzene	9.11	112	160993	51.867	ug/L	99
52) Ethylbenzene	9.24	91	276541	51.496	ug/L	100
53) m,p-Xylene	9.37	106	103334	50.604	ug/L	99
54) o-xylene	9.77	106	103125	50.863	ug/L	100
55) Styrene	9.79	104	178231	52.657	ug/L	97
56) Isopropylbenzene	10.16	105	272074	50.890	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	97878	51.931	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	83781	55.266	ug/L	100
61) Bromoform	9.95	173	53065	52.981	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	129371	50.902	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	133332	51.314	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	133716	52.039	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	23725	54.878	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	100612	50.881	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	90224	53.859	ug/L	99
69) Naphthalene	13.74	128	282656	53.493	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	98144	56.294	ug/L	98

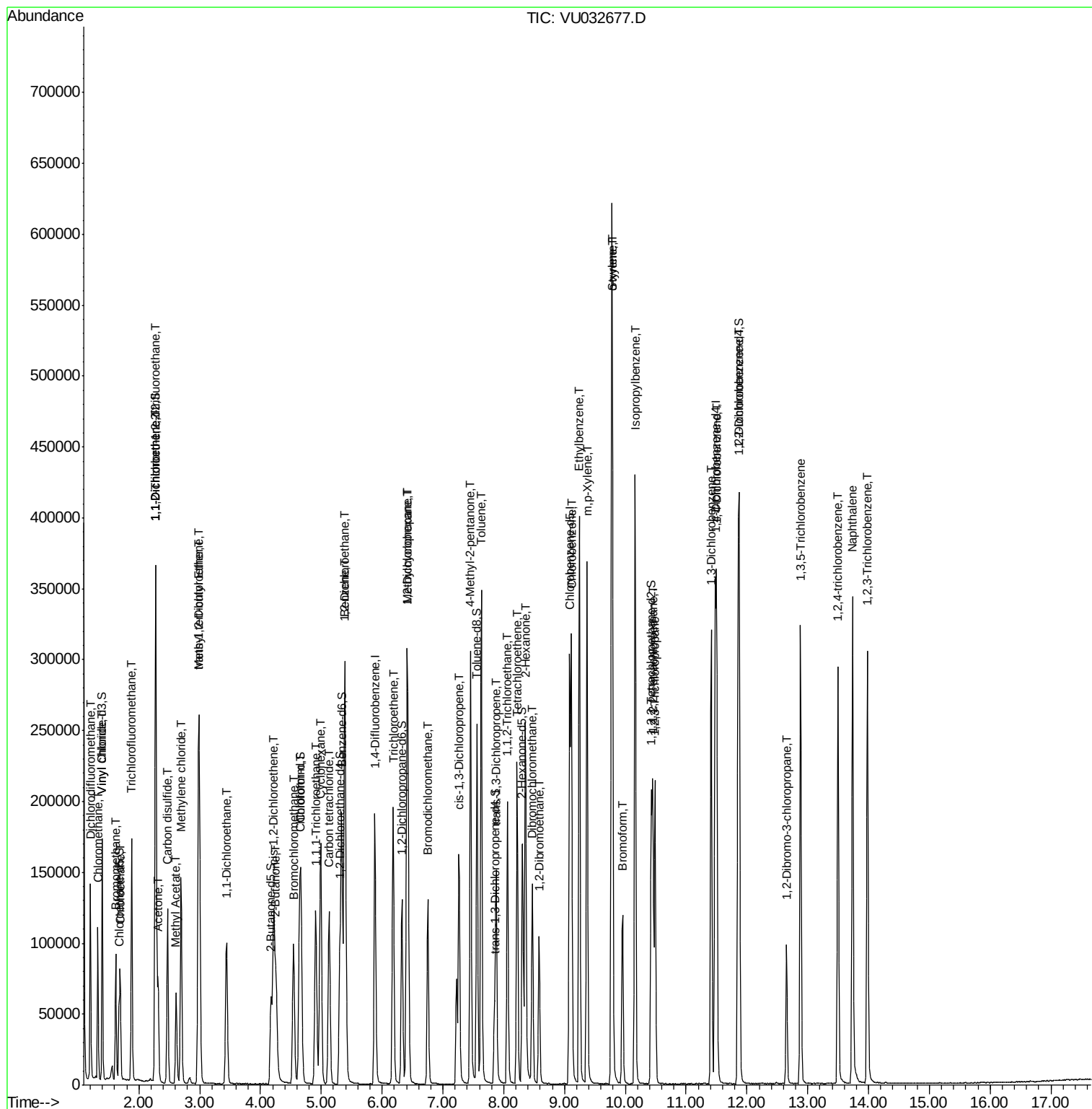
(#) = qualifier out of range (m) = manual integration (+) = signals summed

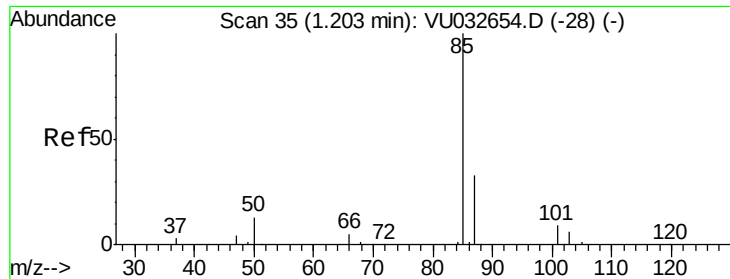
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#2

Dichlorodifluoromethane

Concen: 52.655 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

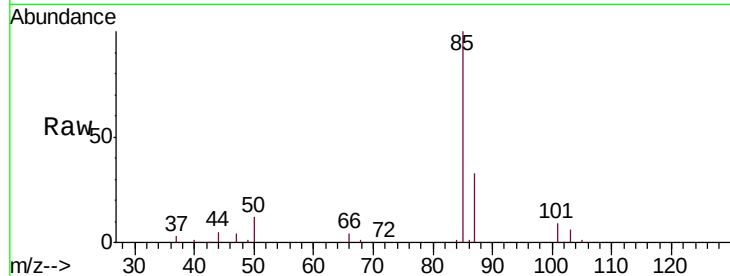
VSTD05048

Tgt Ion: 85 Resp: 76394

Ion Ratio Lower Upper

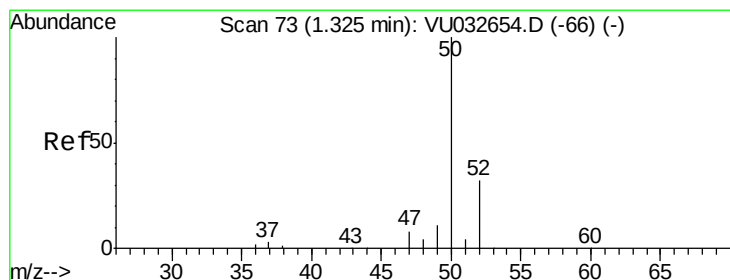
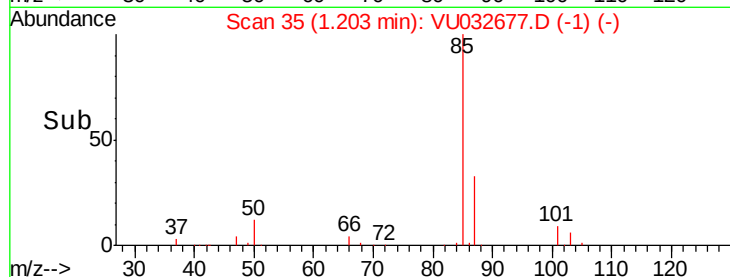
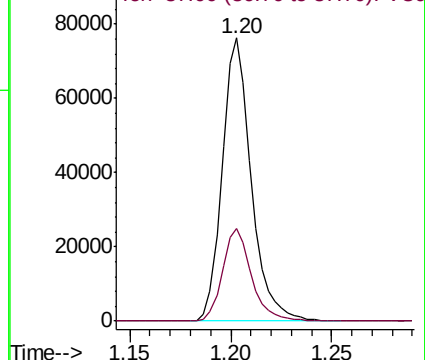
85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032654.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032654.D (-28) (-)



#3

Chloromethane

Concen: 48.751 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032677.D

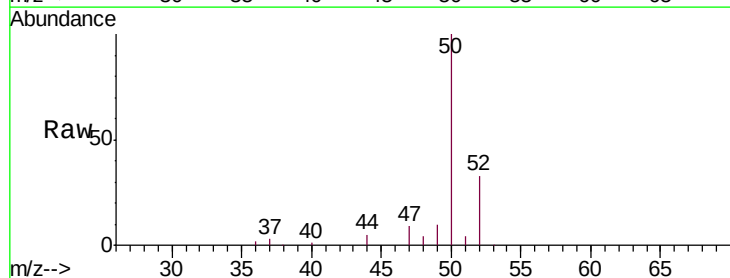
Acq: 13 Jun 2019 01:17

Tgt Ion: 50 Resp: 68345

Ion Ratio Lower Upper

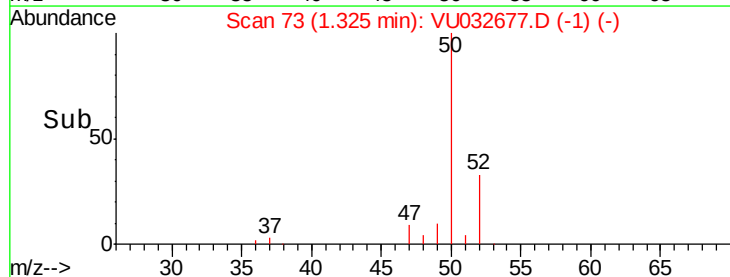
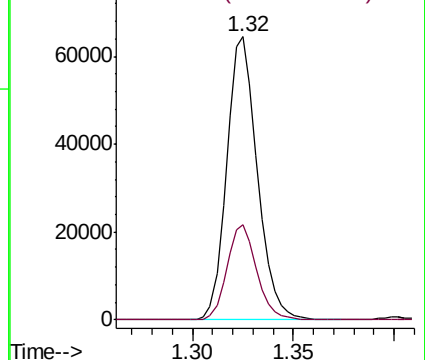
50 100

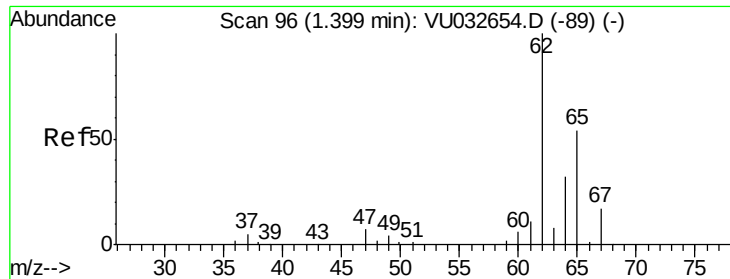
52 33.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032654.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU032654.D (-66) (-)





#5

Vinyl chloride

Concen: 49.588 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

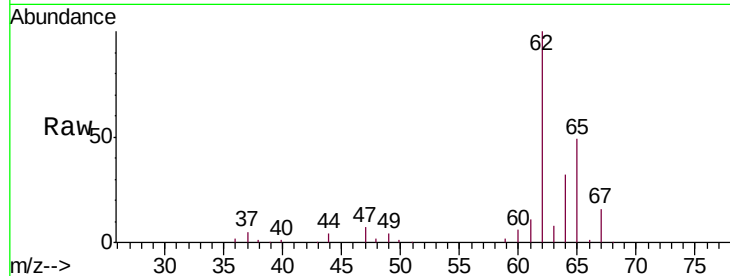
VSTD05048

Tgt Ion: 62 Resp: 69444

Ion Ratio Lower Upper

62 100

64 32.4 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032654.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU032677.D (-3) (-)

1.40

60000

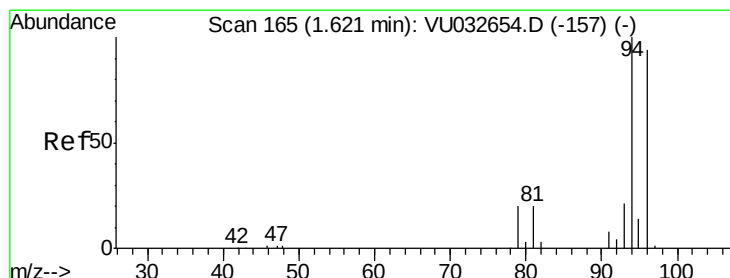
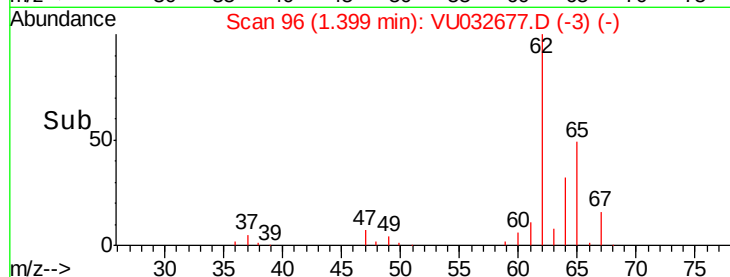
40000

20000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 45.216 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU032677.D

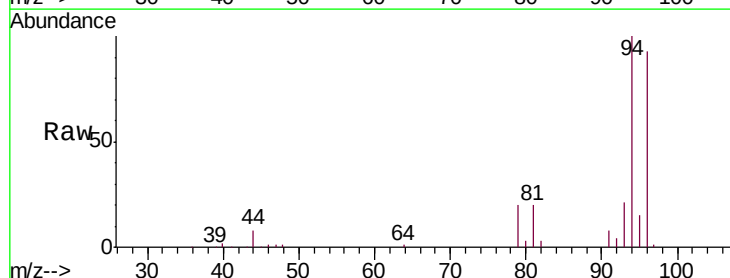
Acq: 13 Jun 2019 01:17

Tgt Ion: 94 Resp: 37735

Ion Ratio Lower Upper

94 100

96 92.6 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032654.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU032677.D (-72) (-)

1.62

30000

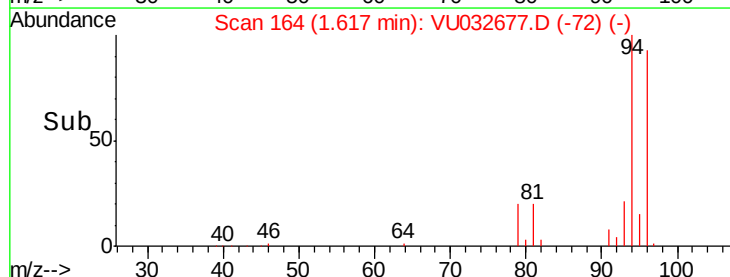
20000

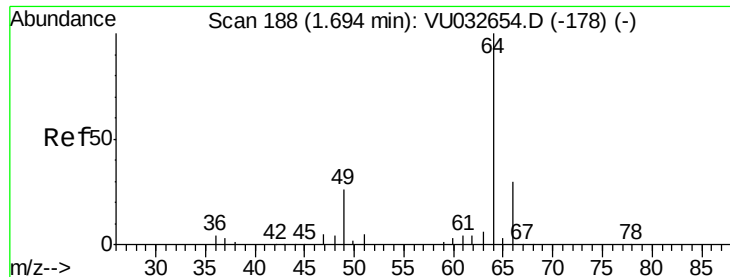
10000

0

1.60 1.65

Time-->





#8

Chloroethane

Concen: 49.537 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

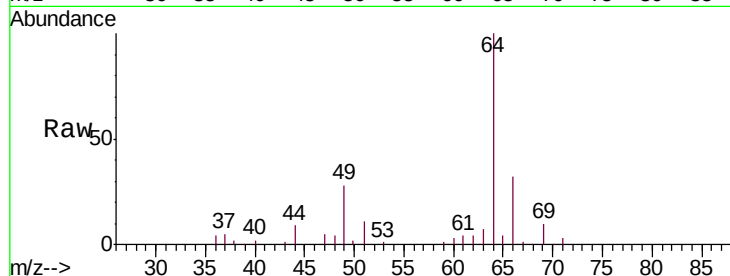
VSTD05048

Tgt Ion: 64 Resp: 41235

Ion Ratio Lower Upper

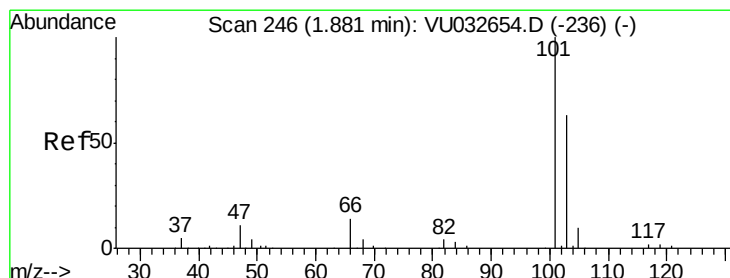
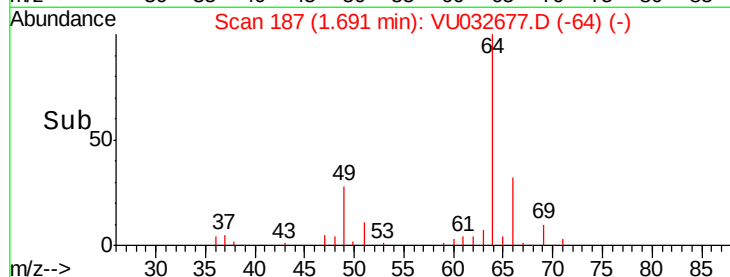
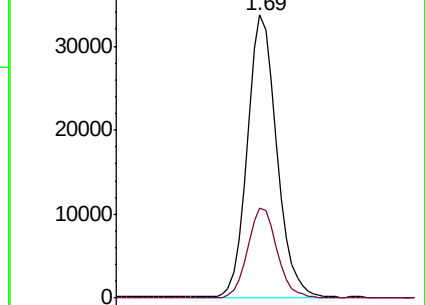
64 100

66 31.7 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU032654.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU032677.D (-64) (-)



#9

Trichlorofluoromethane

Concen: 52.595 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032677.D

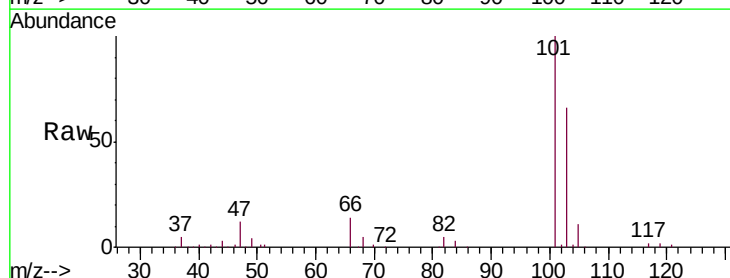
Acq: 13 Jun 2019 01:17

Tgt Ion: 101 Resp: 99459

Ion Ratio Lower Upper

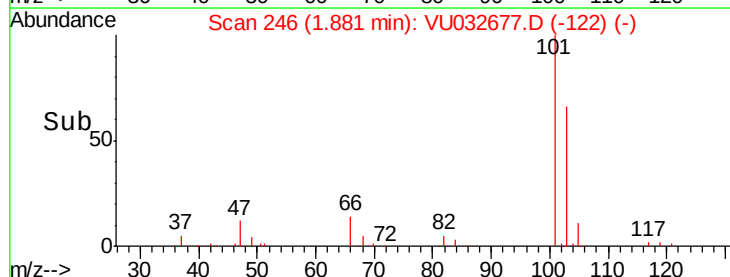
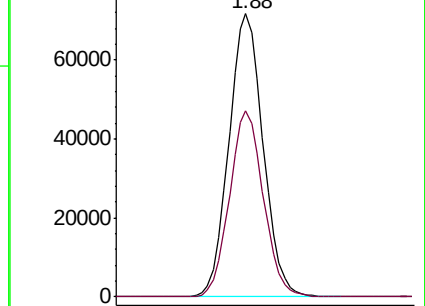
101 100

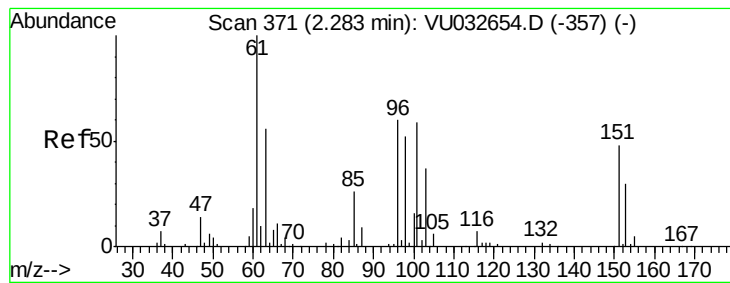
103 65.0 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU032654.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU032677.D (-122) (-)





#10

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

Concen: 53.225 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

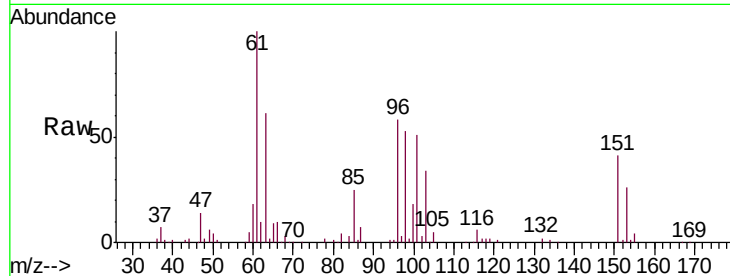
Tgt Ion:101 Resp: 52345

Ion Ratio Lower Upper

101 100

85 46.7 36.1 54.1

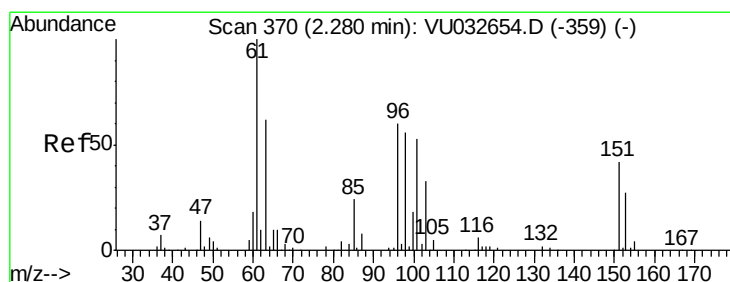
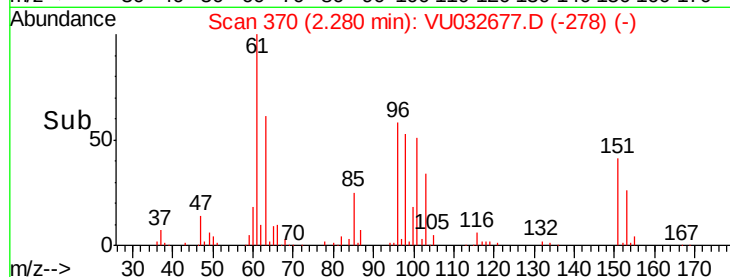
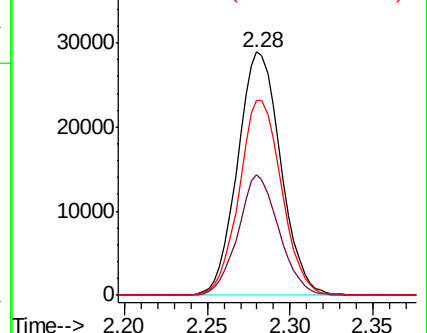
151 79.0 63.0 94.4



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: 53.005 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

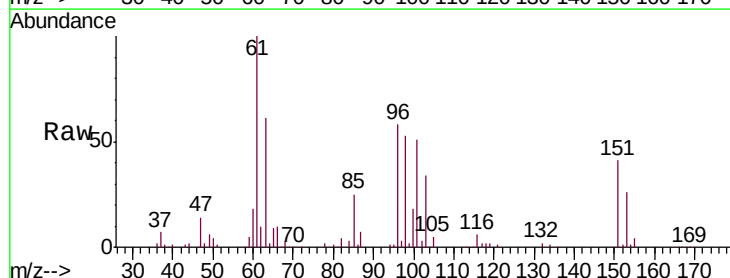
Tgt Ion: 96 Resp: 50616

Ion Ratio Lower Upper

96 100

61 171.5 129.5 240.5

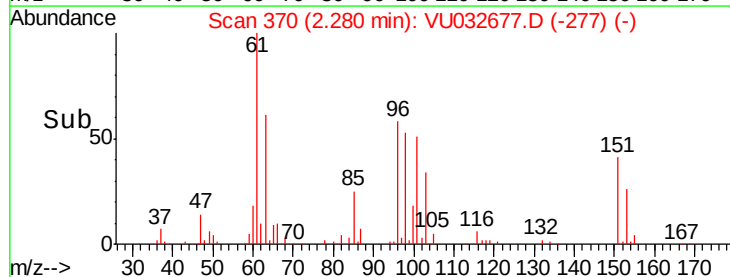
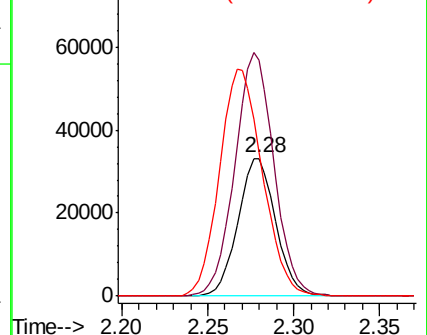
63 104.5 103.4 192.0

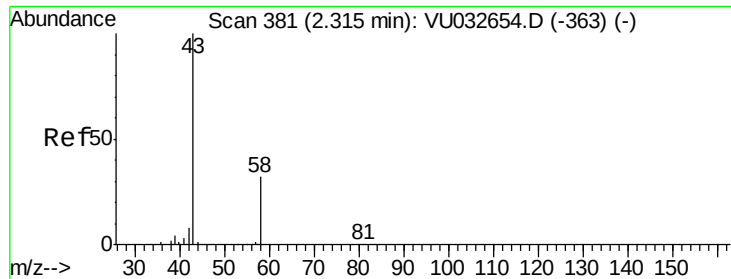


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 77.748 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

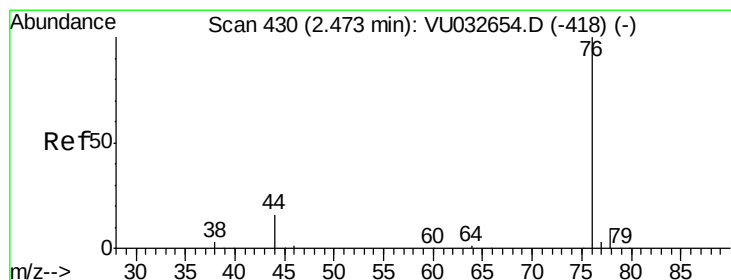
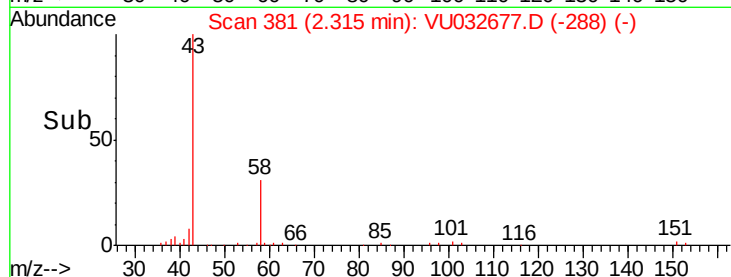
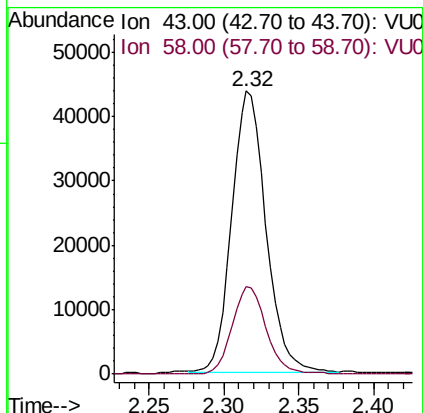
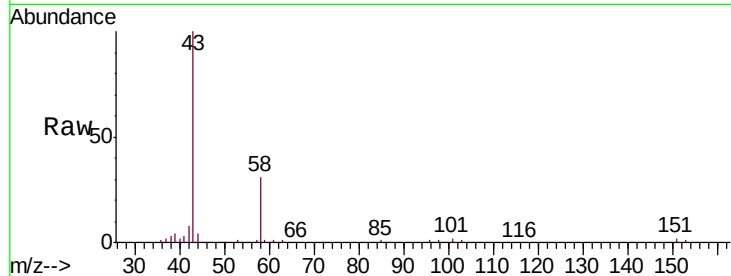
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Tgt Ion: 43 Resp: 70095

Ion Ratio Lower Upper

43 100

58 30.8 0.0 64.0



#14

Carbon disulfide

Concen: 50.311 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032677.D

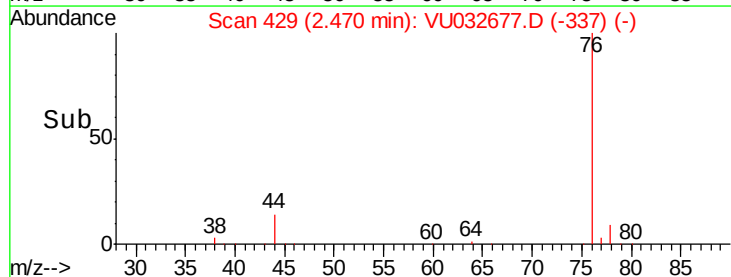
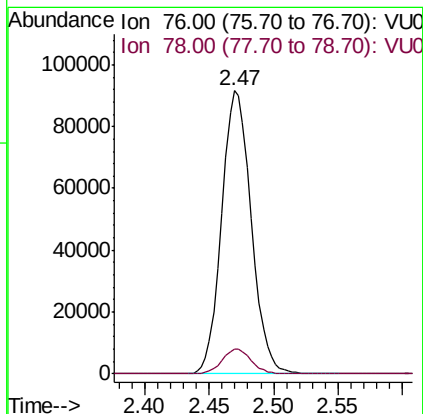
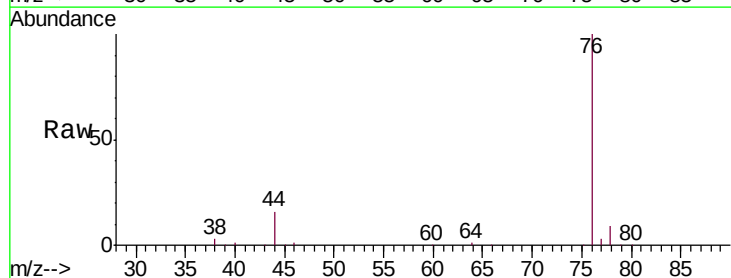
Acq: 13 Jun 2019 01:17

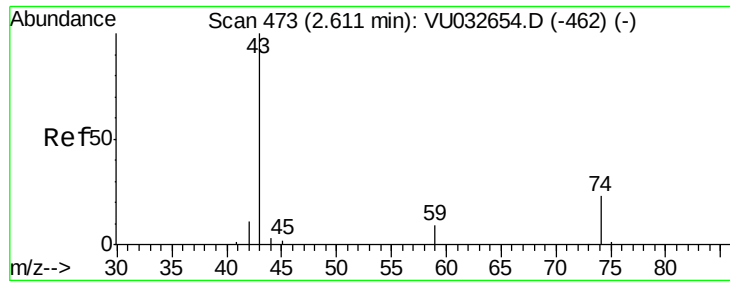
Tgt Ion: 76 Resp: 145975

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4





#15

Methyl Acetate

Concen: 57.604 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

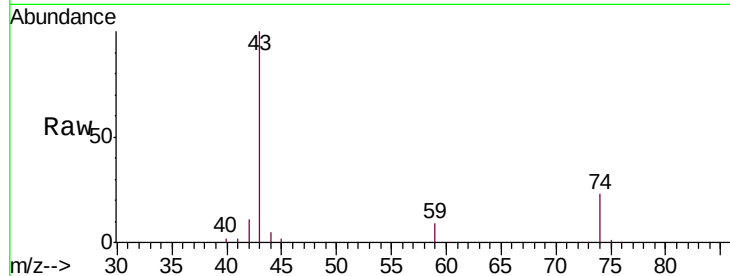
VSTD05048

Tgt Ion: 43 Resp: 74150

Ion Ratio Lower Upper

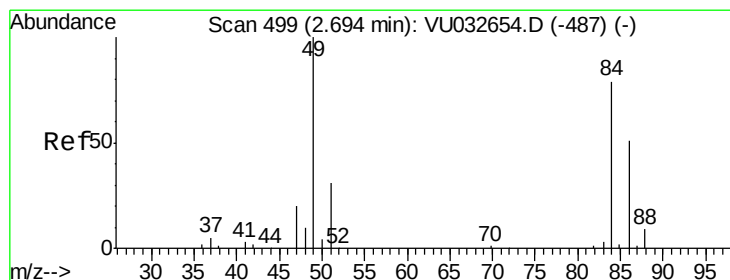
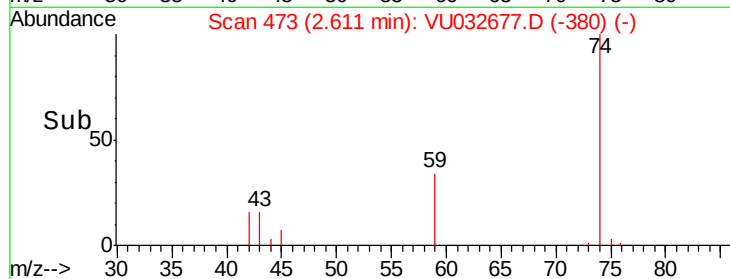
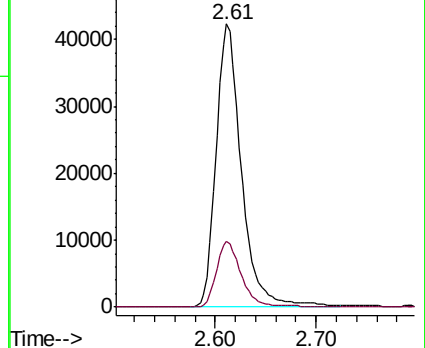
43 100

74 22.6 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU032677.D (-462) (-)

Ion 74.00 (73.70 to 74.70): VU032677.D (-462) (-)



#16

Methylene chloride

Concen: 54.977 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

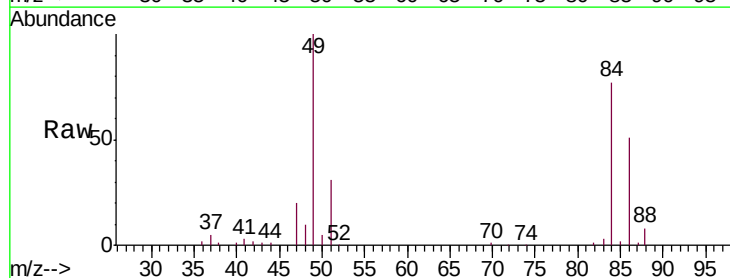
Tgt Ion: 84 Resp: 59904

Ion Ratio Lower Upper

84 100

86 65.8 44.7 82.9

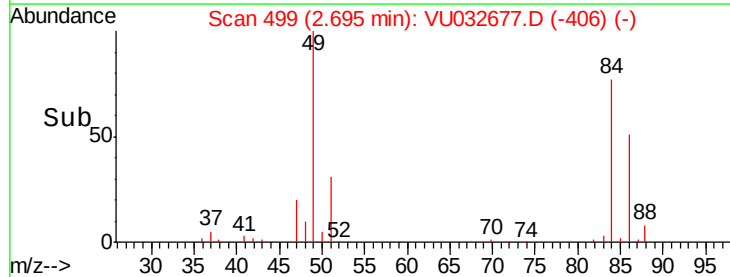
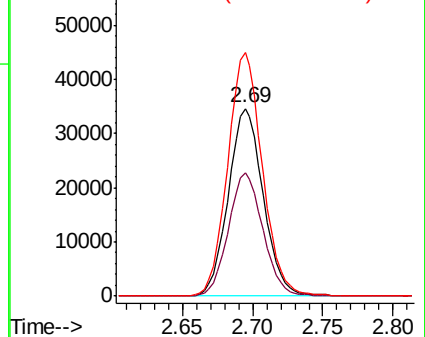
49 129.9 86.1 159.9

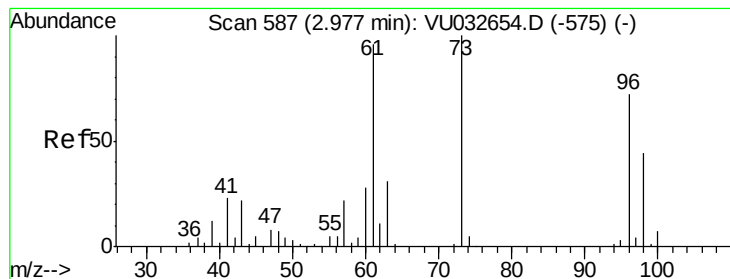


Abundance Ion 84.00 (83.70 to 84.70): VU032677.D (-406) (-)

Ion 86.00 (85.70 to 86.70): VU032677.D (-406) (-)

Ion 49.00 (48.70 to 49.70): VU032677.D (-406) (-)





#17

trans-1,2-Dichloroethene

Concen: 52.431 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

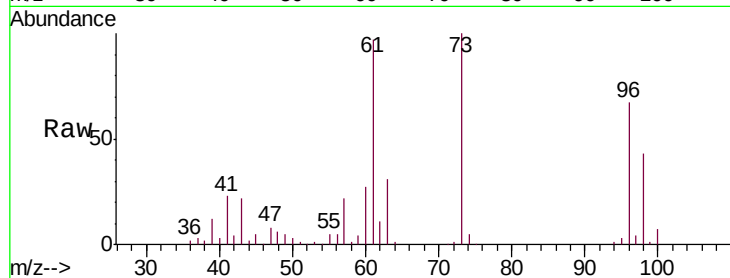
Tgt Ion: 96 Resp: 54256

Ion Ratio Lower Upper

96 100

61 143.5 95.7 177.7

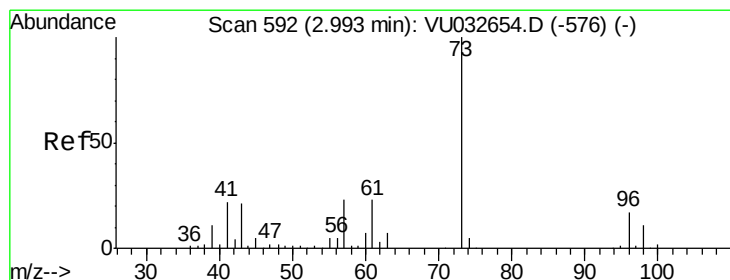
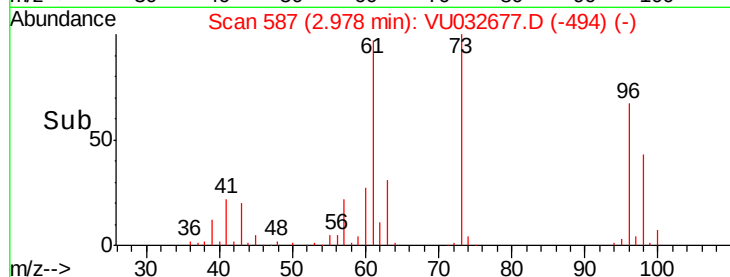
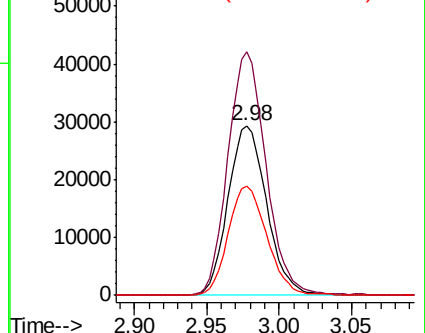
98 64.3 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032677.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU032677.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU032677.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 53.227 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

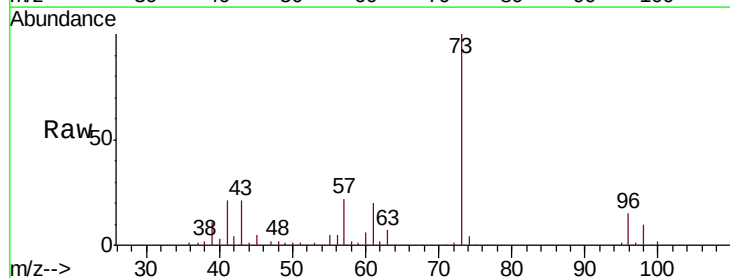
Tgt Ion: 73 Resp: 180951

Ion Ratio Lower Upper

73 100

43 20.9 15.8 23.6

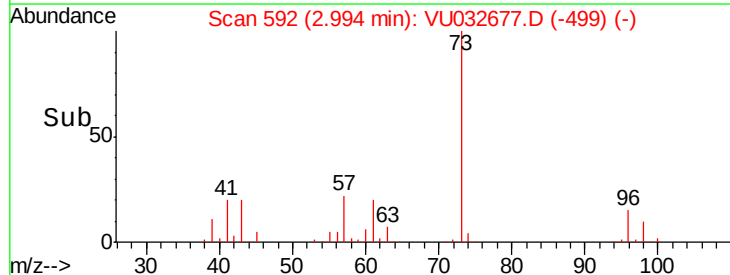
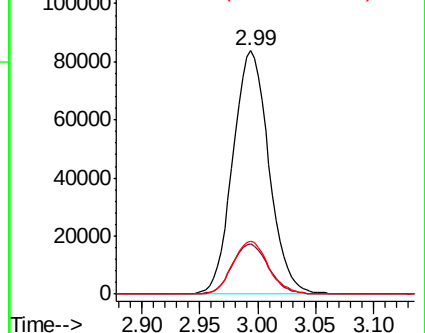
57 21.8 17.6 26.4

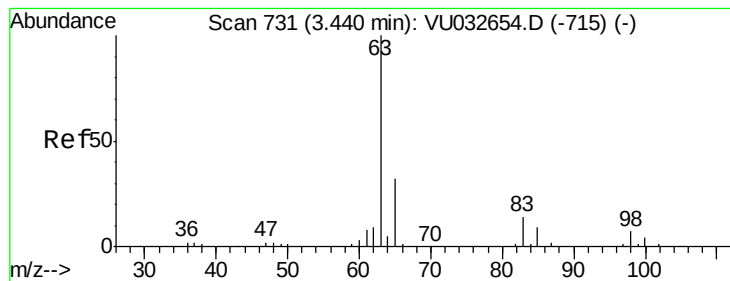


Abundance Ion 73.00 (72.70 to 73.70): VU032677.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU032677.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU032677.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 56.347 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

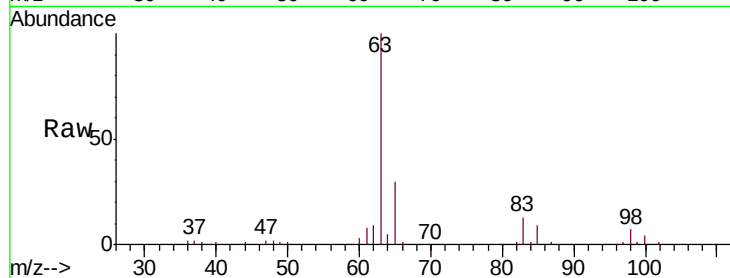
Tgt Ion: 63 Resp: 106295

Ion Ratio Lower Upper

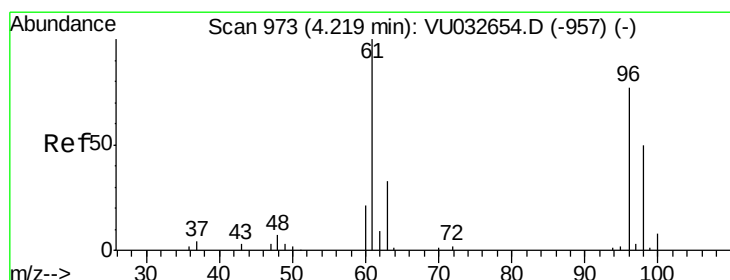
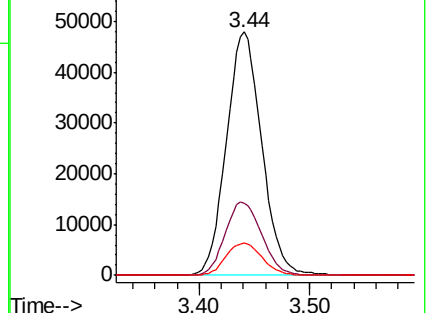
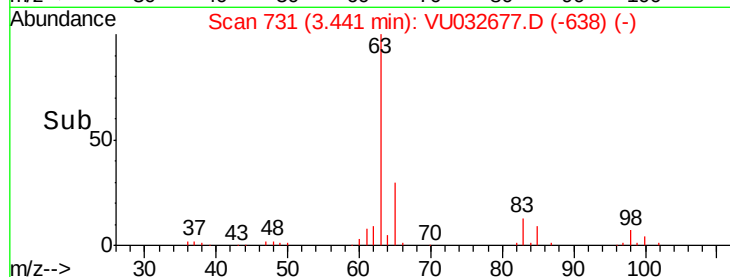
63 100

65 29.9 21.8 40.6

83 13.2 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VU032677.D (-638) (-)



#20

cis-1,2-Dichloroethene

Concen: 53.313 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

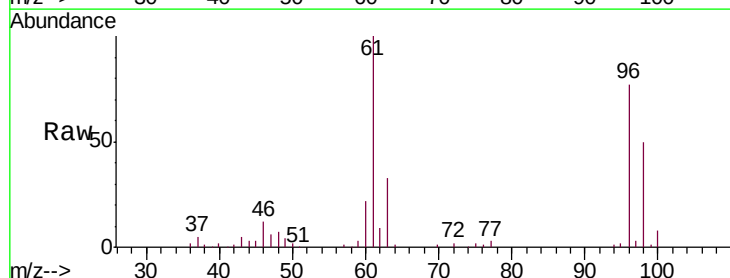
Tgt Ion: 96 Resp: 62436

Ion Ratio Lower Upper

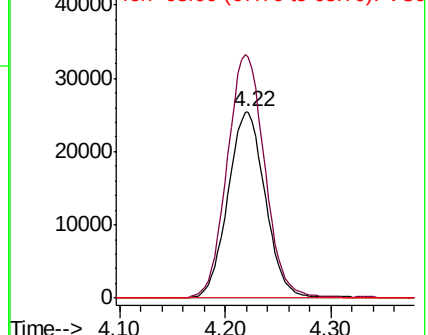
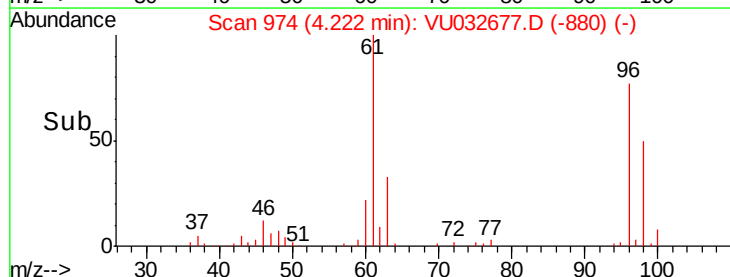
96 100

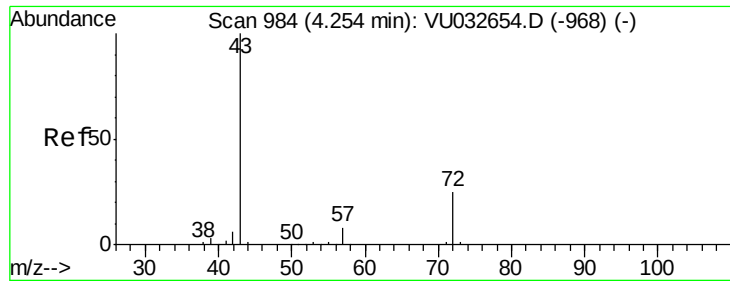
61 129.4 87.2 162.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032677.D (-880) (-)





#22

2-Butanone

Concen: 99.644 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

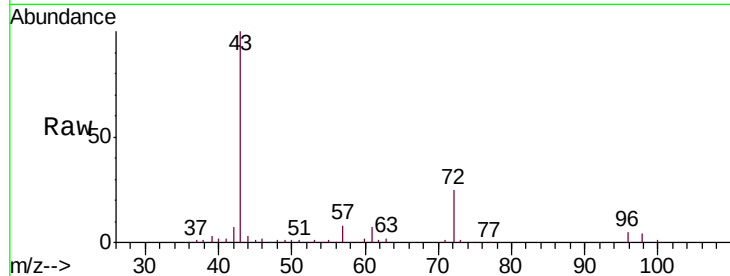
VSTD05048

Tgt Ion: 43 Resp: 106177

Ion Ratio Lower Upper

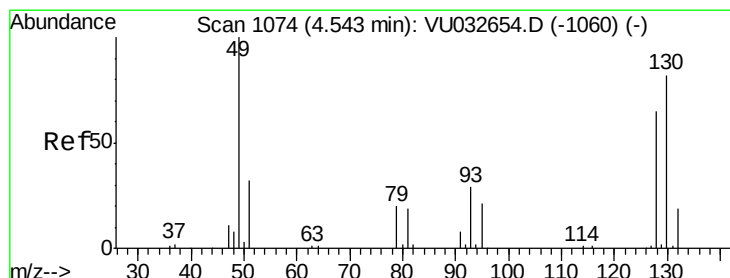
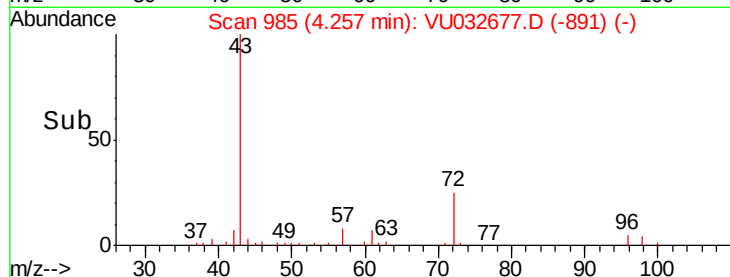
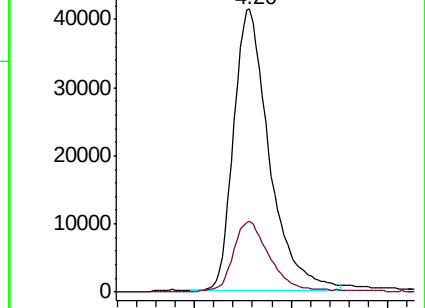
43 100

72 25.6 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032654.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU032654.D (-968) (-)



#23

Bromochloromethane

Concen: 54.261 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Tgt Ion: 128 Resp: 33041

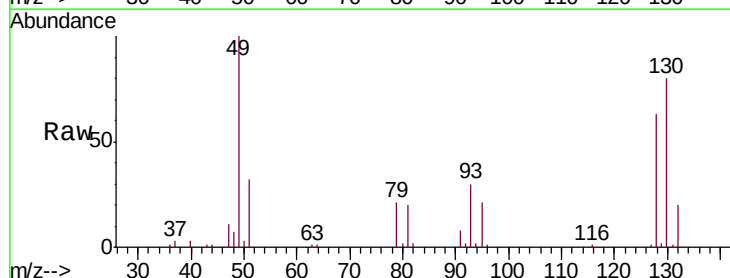
Ion Ratio Lower Upper

128 100

49 159.4 103.7 192.5

130 126.9 92.2 171.2

51 50.8 37.7 56.5

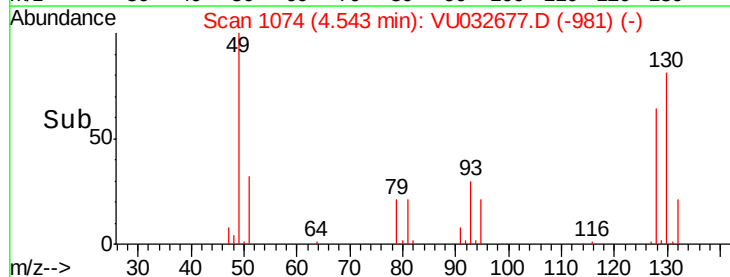
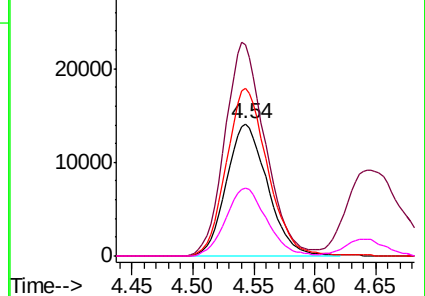


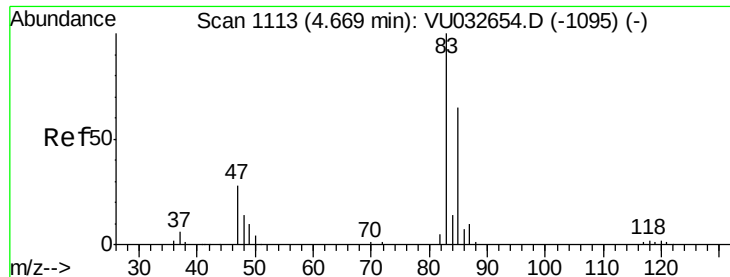
Abundance Ion 128.00 (127.70 to 128.70): VU032654.D (-1060) (-)

Ion 49.00 (48.70 to 49.70): VU032654.D (-1060) (-)

Ion 130.00 (129.70 to 130.70): VU032654.D (-1060) (-)

Ion 51.00 (50.70 to 51.70): VU032654.D (-1060) (-)

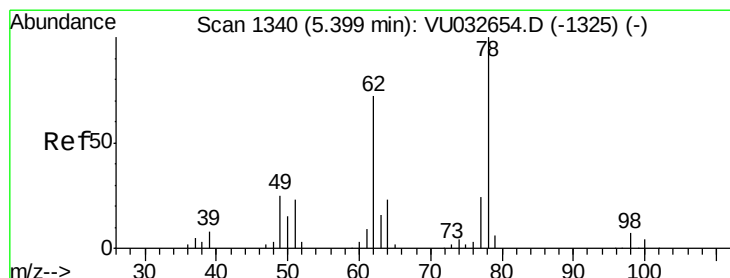
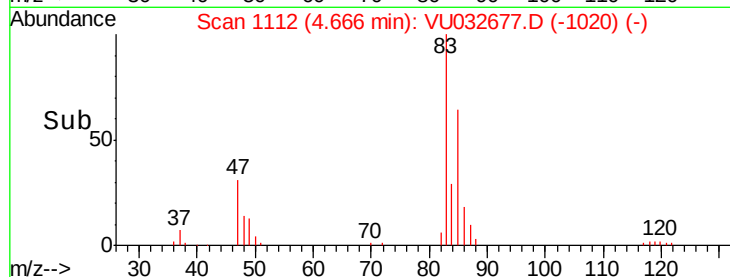
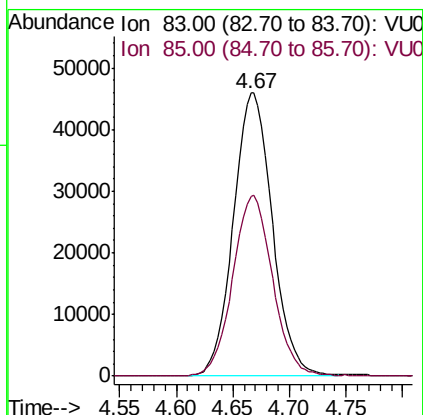
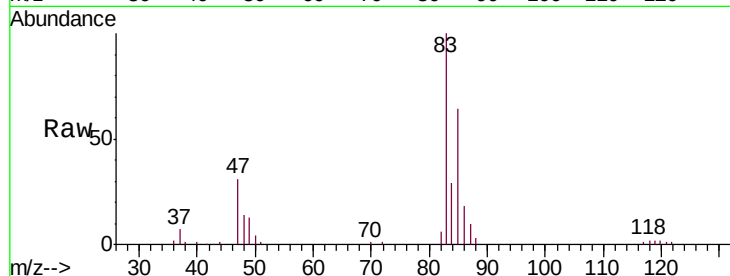




#25
Chloroform
Concen: 56.676 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032677.D
Acq: 13 Jun 2019 01:17

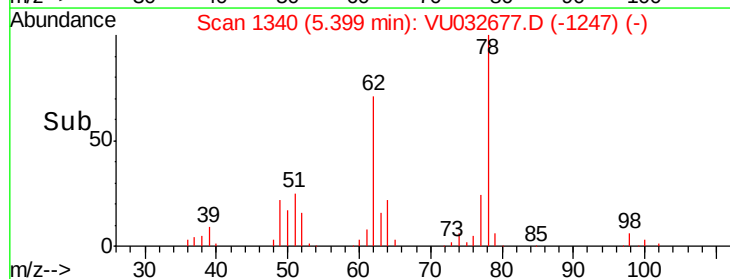
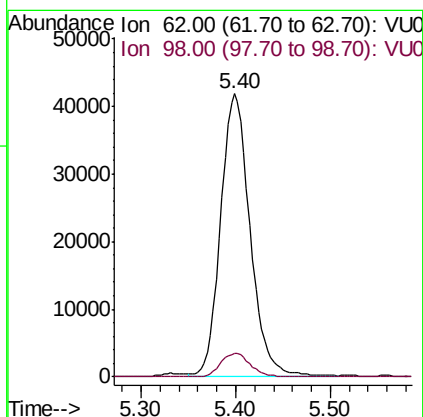
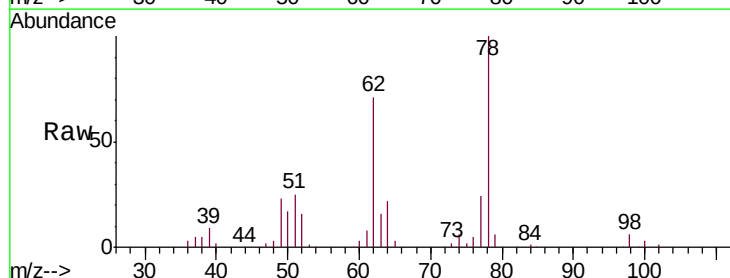
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

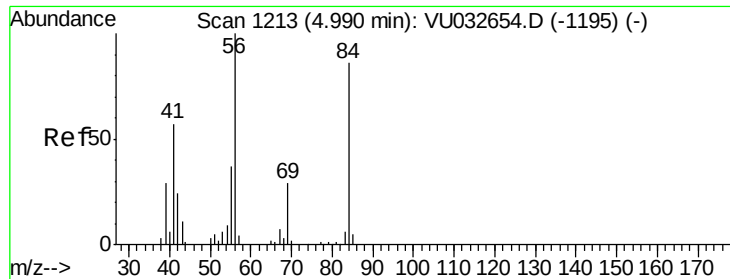
Tgt Ion: 83 Resp: 110331
Ion Ratio Lower Upper
83 100
85 63.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 58.817 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032677.D
Acq: 13 Jun 2019 01:17

Tgt Ion: 62 Resp: 90515
Ion Ratio Lower Upper
62 100
98 8.2 7.2 10.8

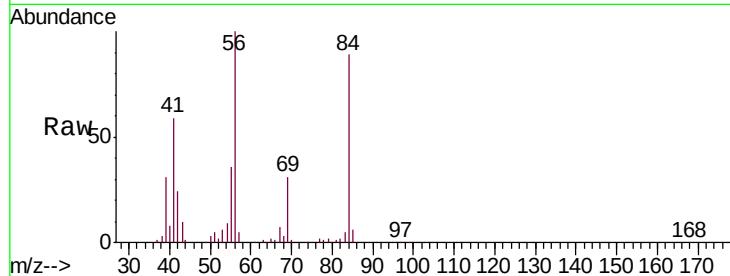




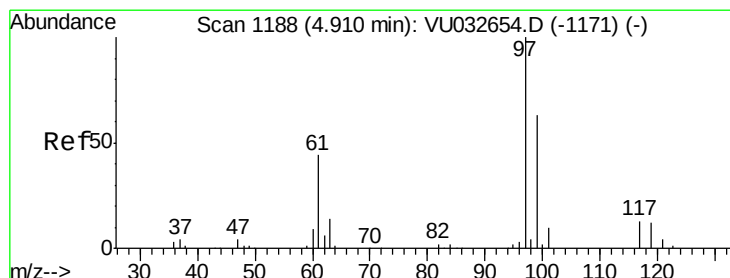
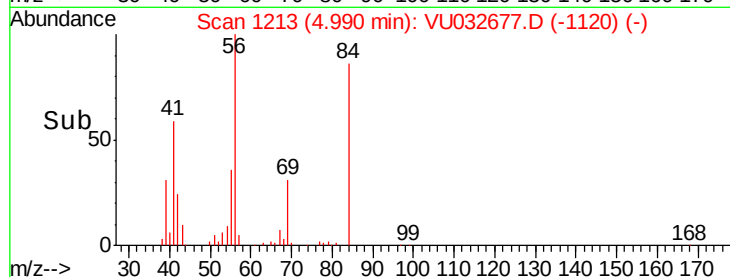
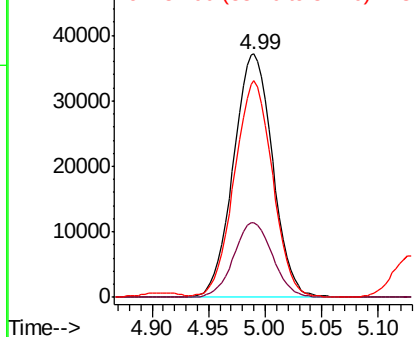
#29
Cyclohexane
Concen: 48.098 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU032677.D
Acq: 13 Jun 2019 01:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Tgt Ion: 56 Resp: 89574
Ion Ratio Lower Upper
56 100
69 30.5 24.7 37.1
84 87.3 69.0 103.4

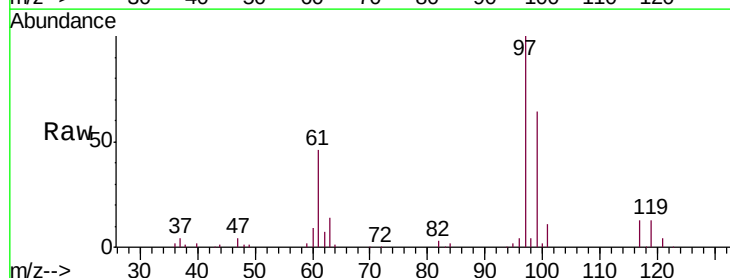


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

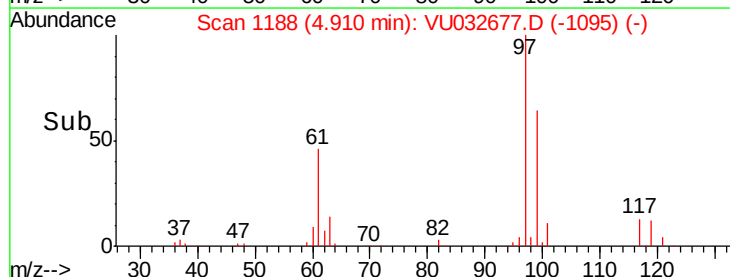
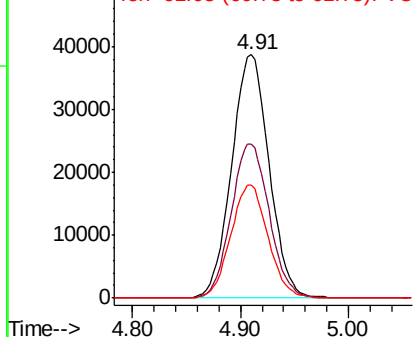


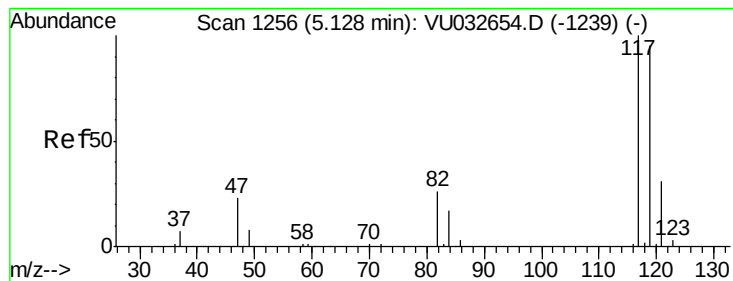
#30
1,1,1-Trichloroethane
Concen: 52.920 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU032677.D
Acq: 13 Jun 2019 01:17

Tgt Ion: 97 Resp: 93797
Ion Ratio Lower Upper
97 100
99 64.1 50.5 75.7
61 46.2 33.8 50.6



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 53.798 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

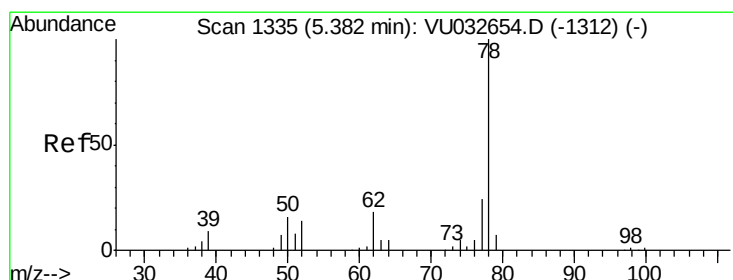
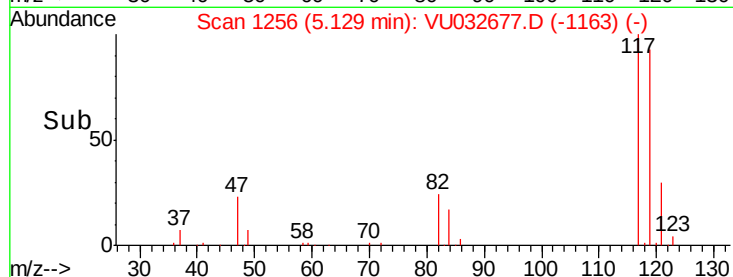
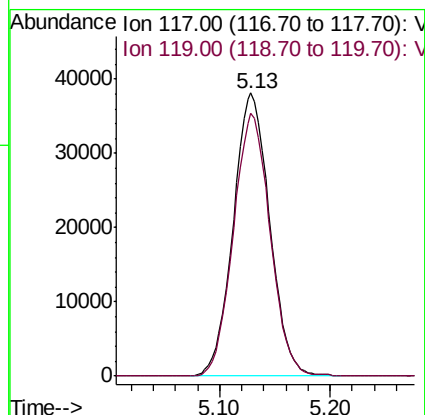
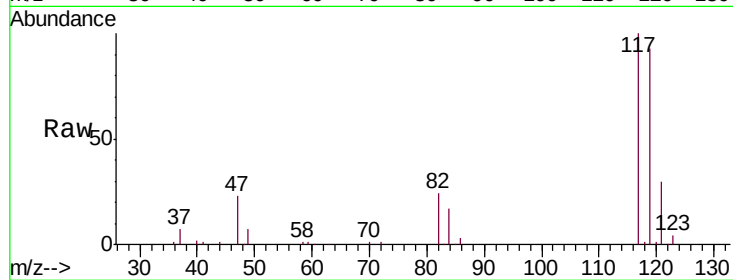
VSTD05048

Tgt Ion:117 Resp: 87395

Ion Ratio Lower Upper

117 100

119 93.5 76.6 114.8



#33

Benzene

Concen: 52.244 ug/L

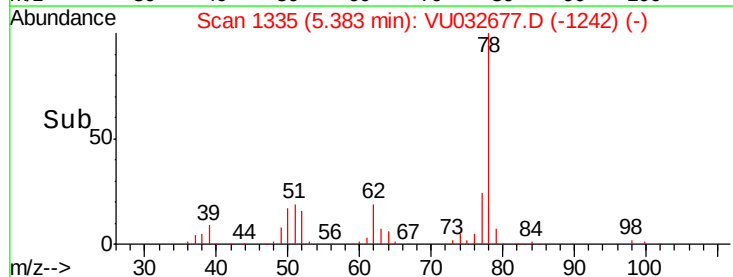
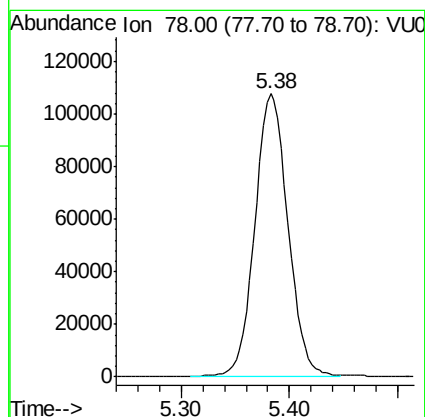
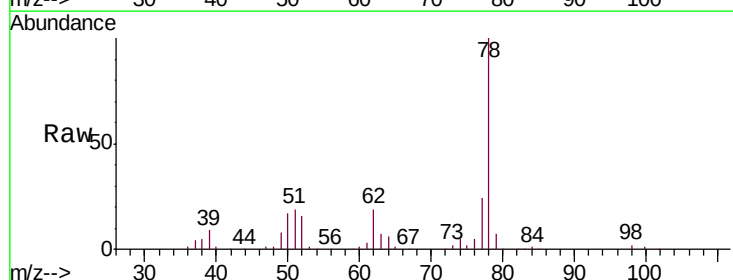
RT: 5.38 min Scan# 1335

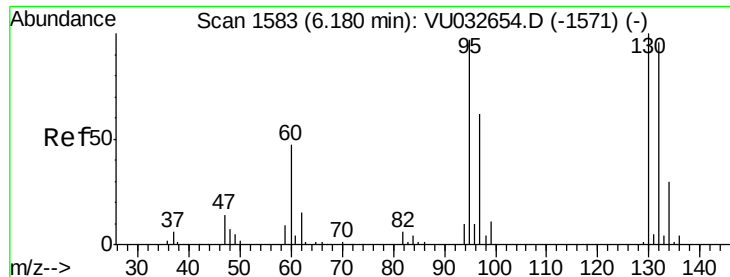
Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Tgt Ion: 78 Resp: 229827





#34

Trichloroethene

Concen: 53.507 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

Tgt Ion: 95 Resp: 64040

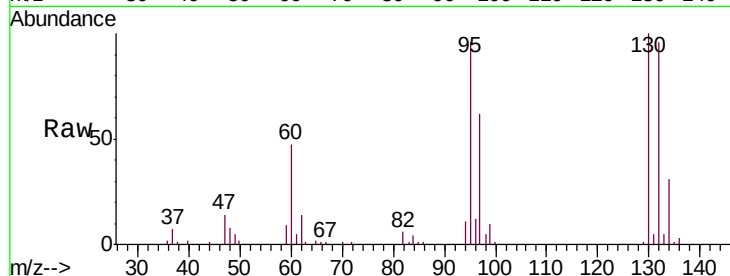
Ion Ratio Lower Upper

95 100

97 64.2 45.8 85.2

132 100.4 71.0 131.8

130 104.3 73.4 136.2

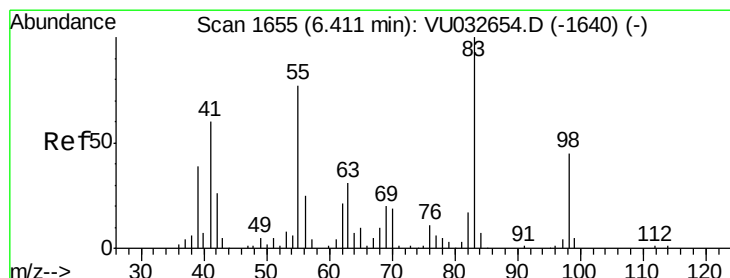
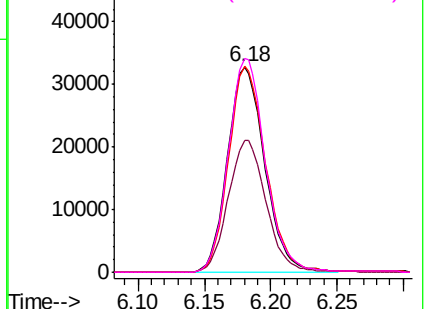
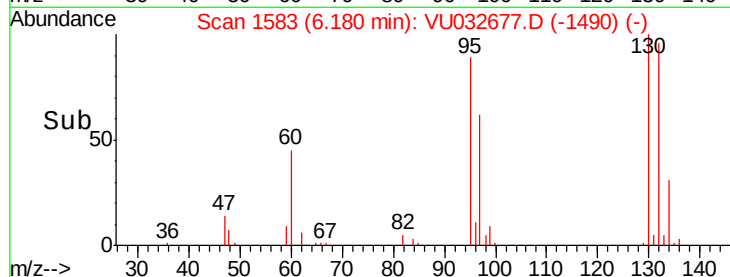


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 47.057 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

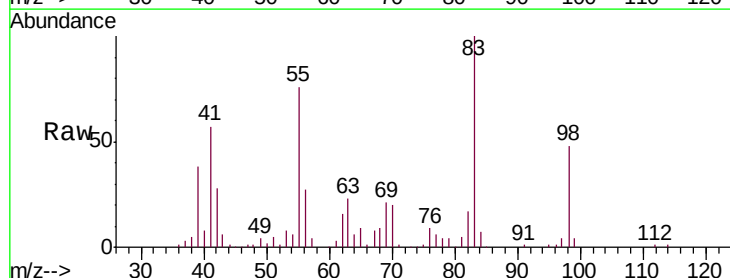
Tgt Ion: 83 Resp: 91175

Ion Ratio Lower Upper

83 100

55 77.2 60.2 90.4

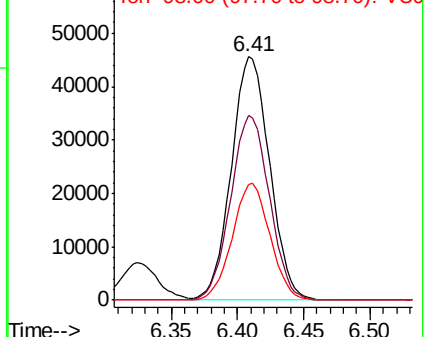
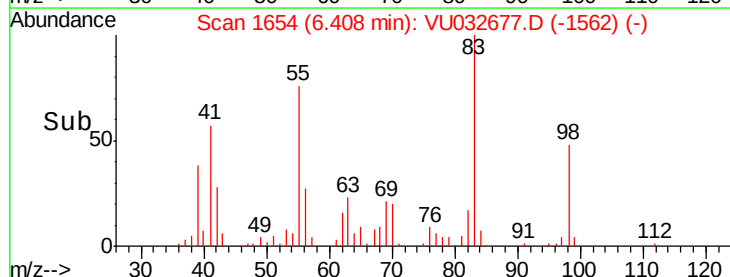
98 47.4 37.4 56.2

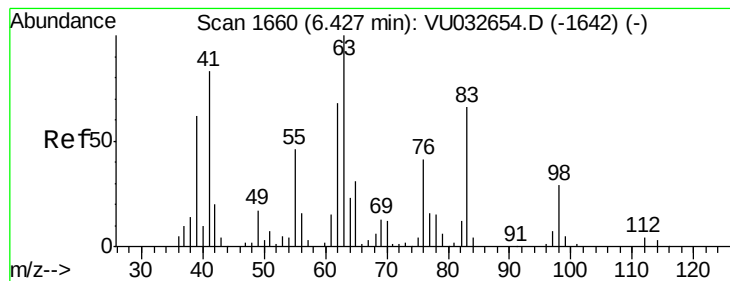


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 54.024 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

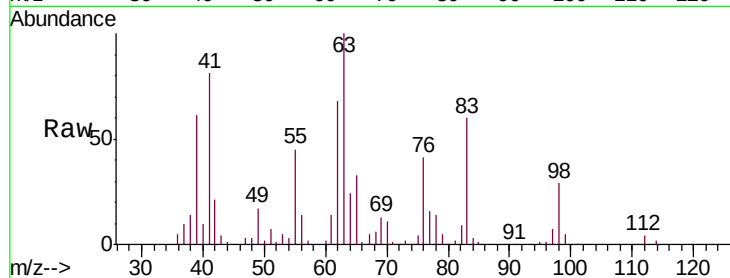
VSTD05048

Tgt Ion: 63 Resp: 63000

Ion Ratio Lower Upper

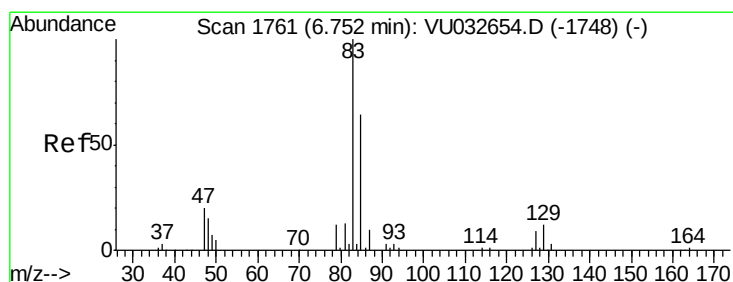
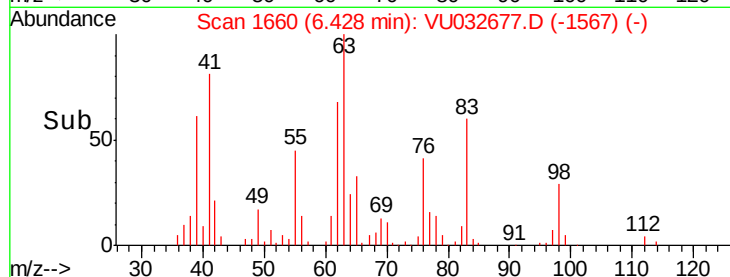
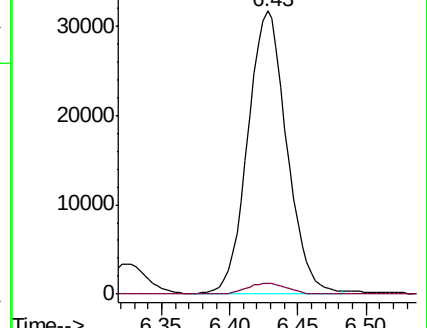
63 100

112 3.7 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU032654.D (-1642) (-)

Ion 112.00 (111.70 to 112.70): VU032654.D (-1642) (-)



#38

Bromodichloromethane

Concen: 55.202 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

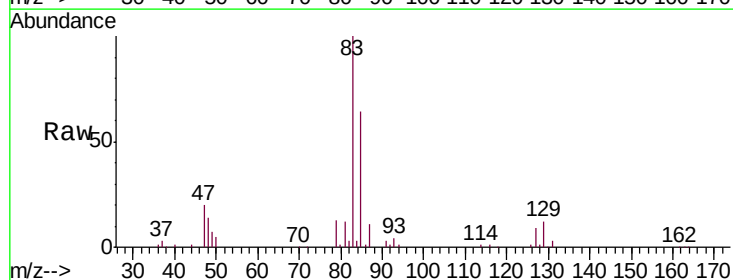
Tgt Ion: 83 Resp: 82889

Ion Ratio Lower Upper

83 100

85 63.7 45.4 84.4

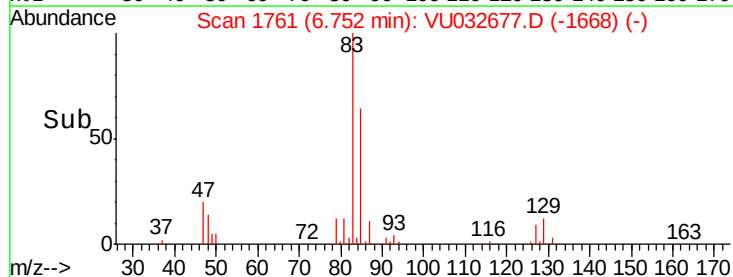
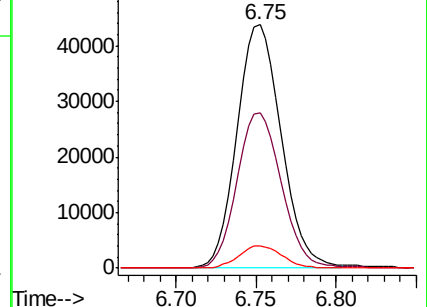
127 9.2 7.4 11.2

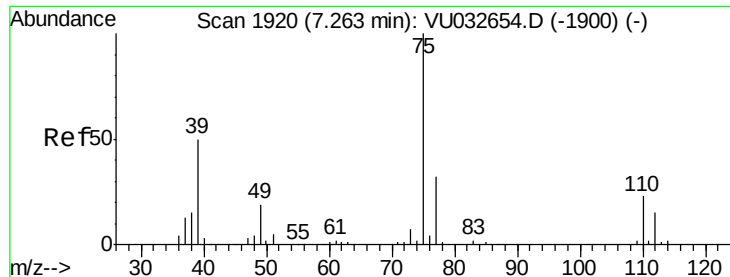


Abundance Ion 83.00 (82.70 to 83.70): VU032654.D (-1748) (-)

Ion 85.00 (84.70 to 85.70): VU032654.D (-1748) (-)

Ion 127.00 (126.70 to 127.70): VU032654.D (-1748) (-)

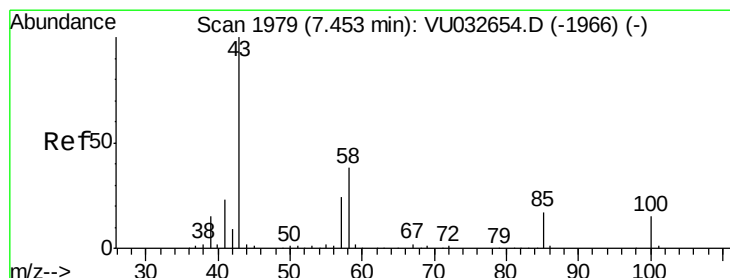
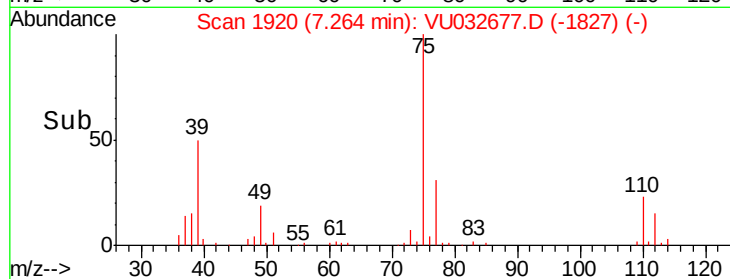
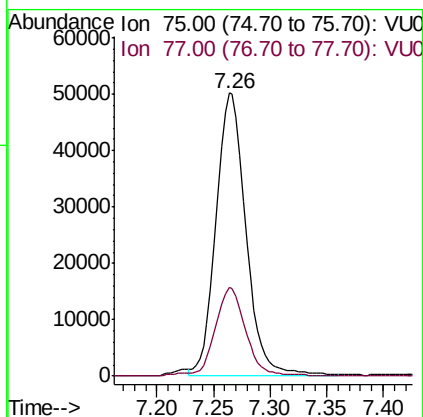
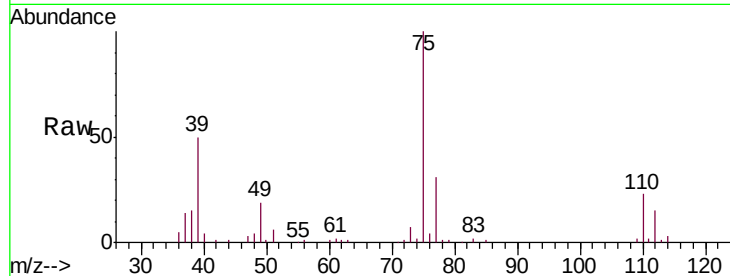




#39
 cis-1,3-Dichloropropene
 Concen: 50.102 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032677.D
 Acq: 13 Jun 2019 01:17

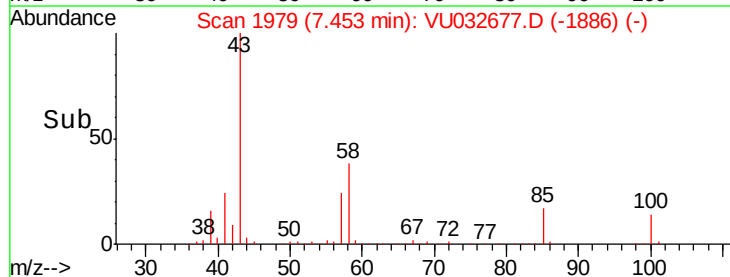
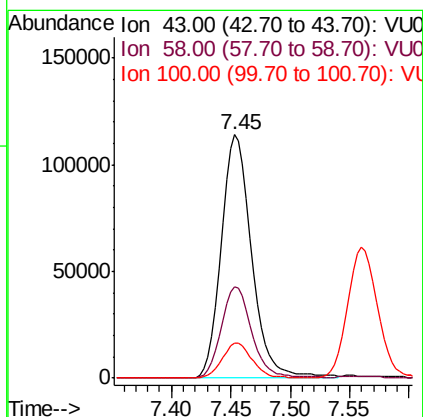
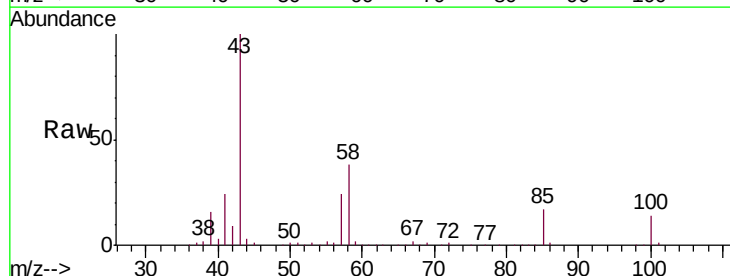
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

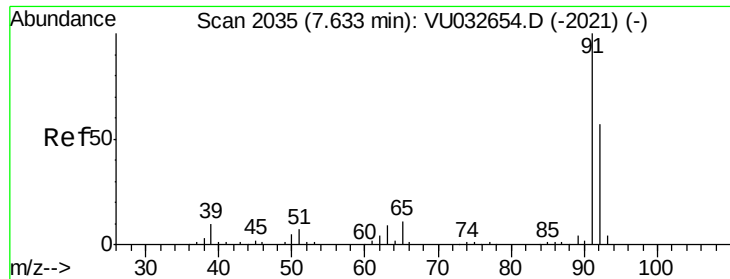
Tgt Ion: 75 Resp: 92184
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 107.764 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032677.D
 Acq: 13 Jun 2019 01:17

Tgt Ion: 43 Resp: 202172
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.8 46.2
 100 14.3 12.1 18.1





#42

Toluene

Concen: 51.688 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

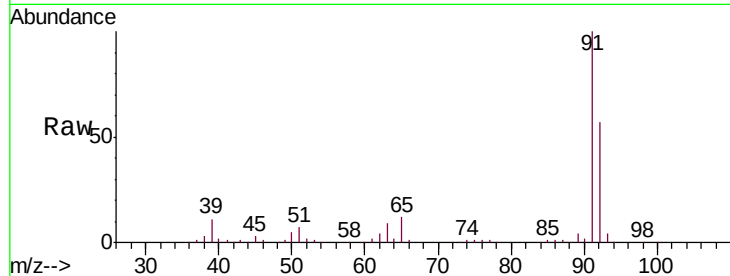
VSTD05048

Tgt Ion: 91 Resp: 249023

Ion Ratio Lower Upper

91 100

92 56.9 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032654.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU032654.D (-2021) (-)

7.63

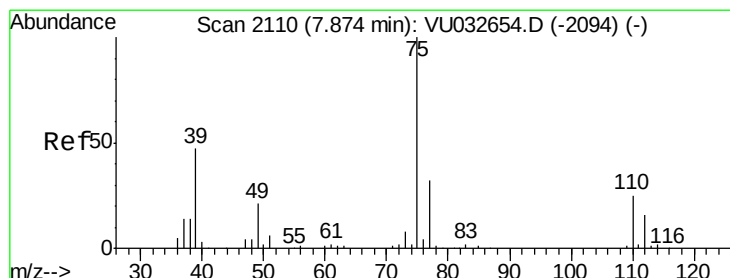
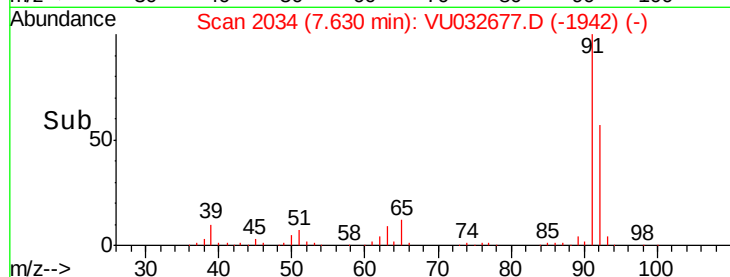
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.995 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032677.D

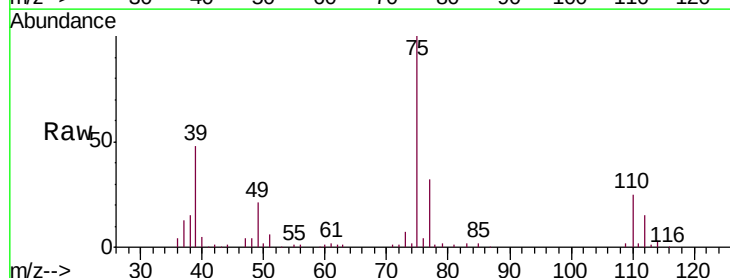
Acq: 13 Jun 2019 01:17

Tgt Ion: 75 Resp: 81647

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032654.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032654.D (-2094) (-)

7.87

50000

40000

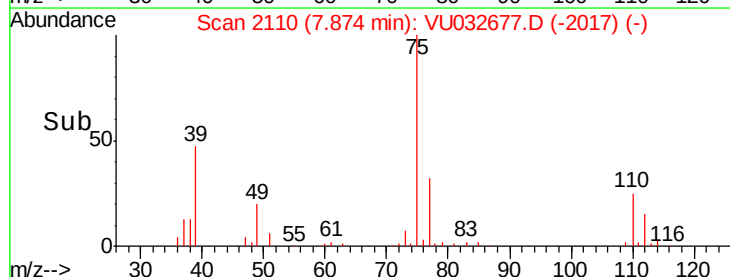
30000

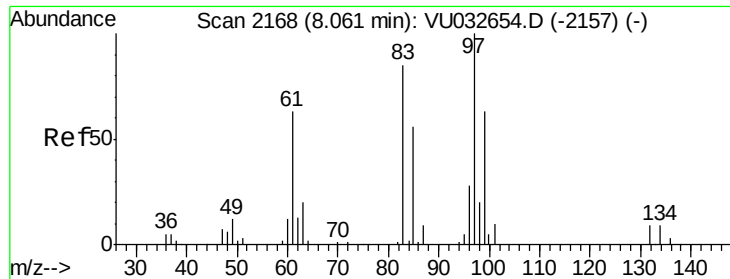
20000

10000

0

Time-->

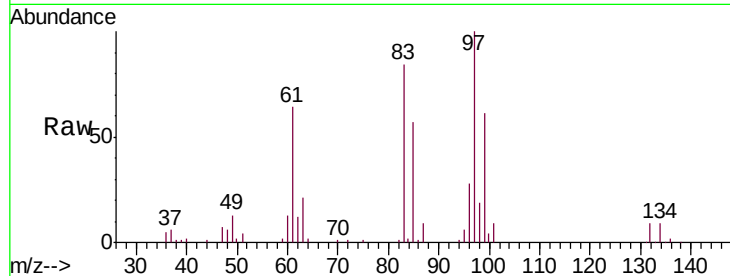




#45
 1,1,2-Trichloroethane
 Concen: 54.154 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032677.D
 Acq: 13 Jun 2019 01:17

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05048

Tgt Ion:	97	Resp:	59719
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.1	81.9
83	84.1	59.4	110.2
85	56.6	39.1	72.7



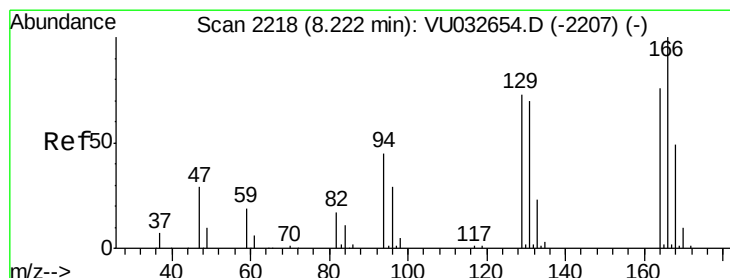
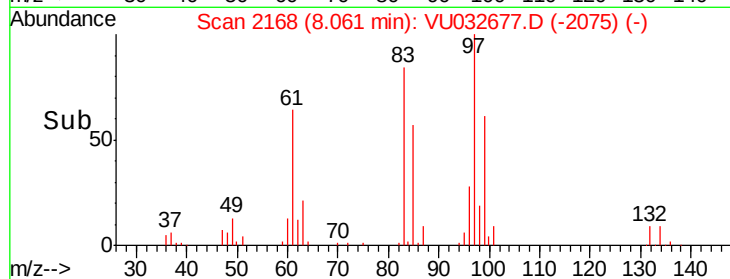
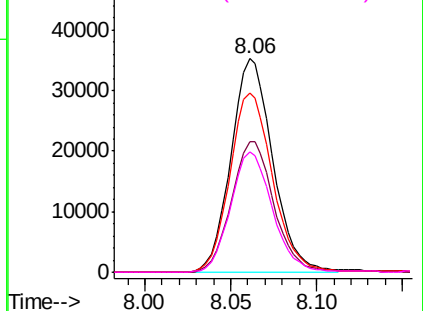
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

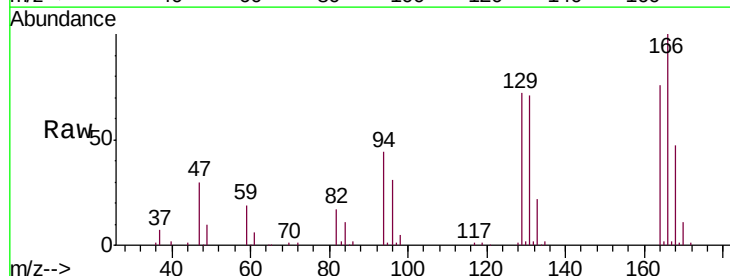
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 49.962 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032677.D
 Acq: 13 Jun 2019 01:17

Tgt Ion:	164	Resp:	49387
Ion	Ratio	Lower	Upper
164	100		
129	94.7	65.3	121.3
131	92.4	64.0	119.0
166	130.9	88.8	165.0



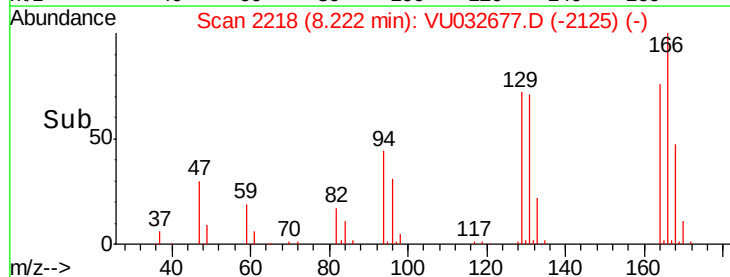
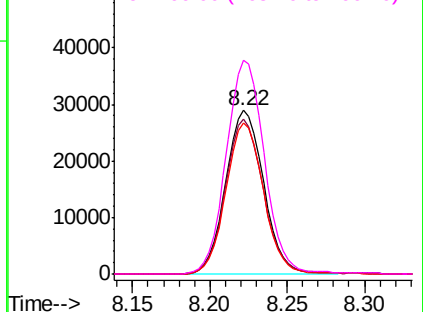
Abundance

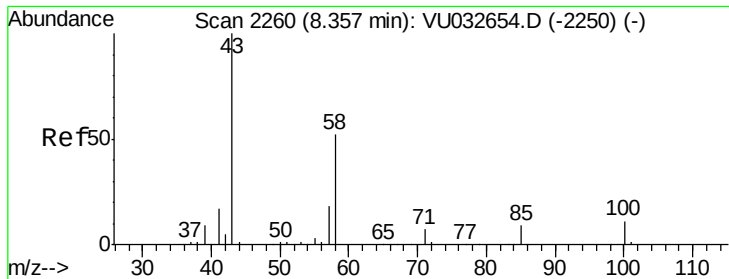
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

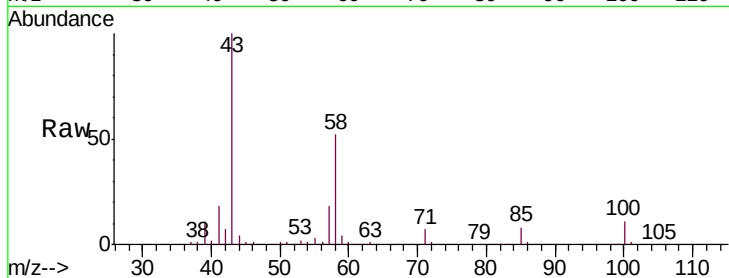




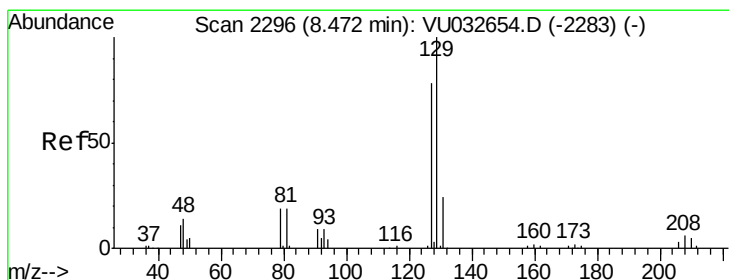
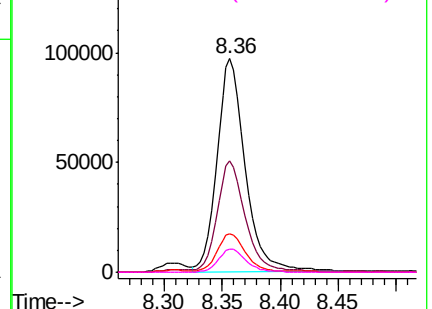
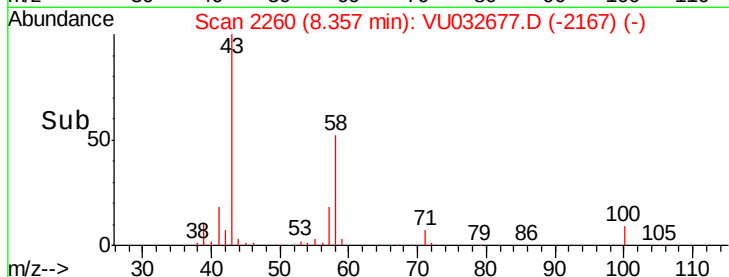
#48
2-Hexanone
Concen: 106.577 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032677.D
Acq: 13 Jun 2019 01:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Tgt Ion: 43 Resp: 164226
Ion Ratio Lower Upper
43 100
58 52.0 42.0 63.0
57 18.0 14.6 22.0
100 10.9 9.2 13.8

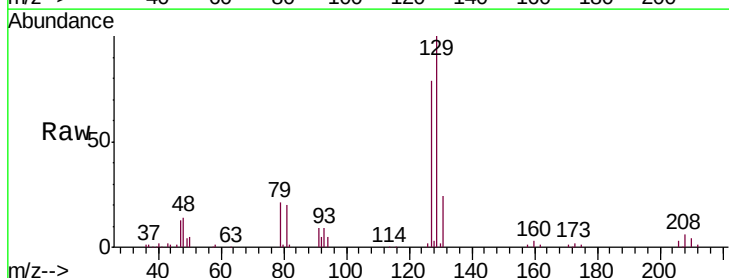


Abundance Ion 43.00 (42.70 to 43.70): VU032677.D (-2167) (-)
Ion 58.00 (57.70 to 58.70): VU032677.D (-2167) (-)
Ion 57.00 (56.70 to 57.70): VU032677.D (-2167) (-)
Ion 100.00 (99.70 to 100.70): VU032677.D (-2167) (-)

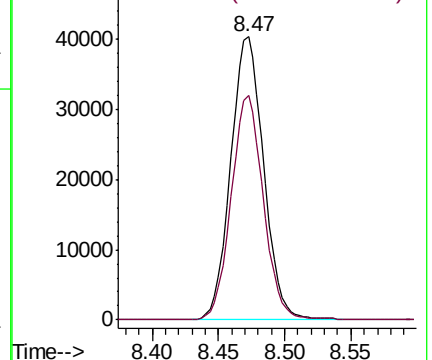
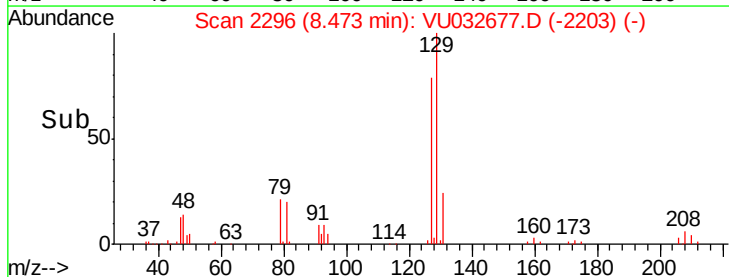


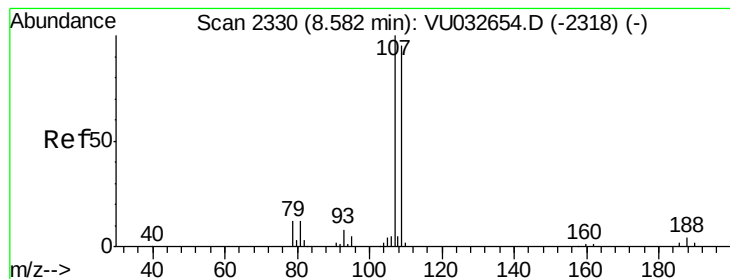
#49
Dibromochloromethane
Concen: 54.392 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032677.D
Acq: 13 Jun 2019 01:17

Tgt Ion: 129 Resp: 69718
Ion Ratio Lower Upper
129 100
127 79.2 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): VU032677.D (-2203) (-)
Ion 127.00 (126.70 to 127.70): VU032677.D (-2203) (-)





#50

1,2-Dibromoethane

Concen: 53.239 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

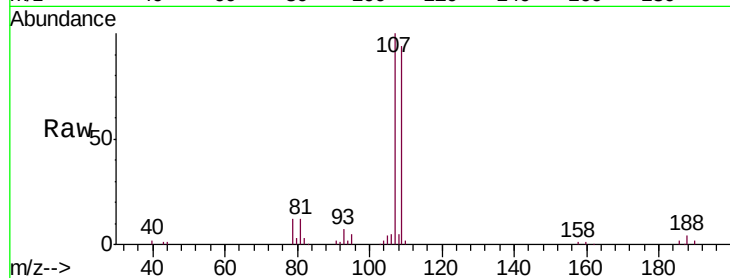
Tgt Ion:107 Resp: 66083

Ion Ratio Lower Upper

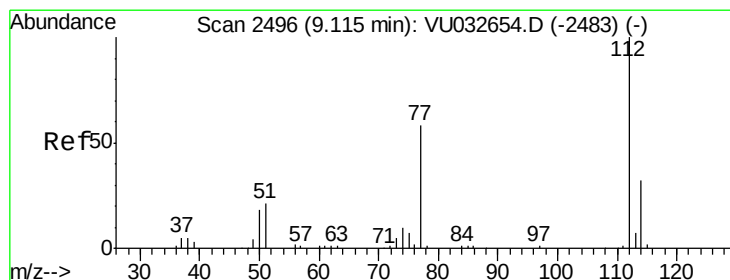
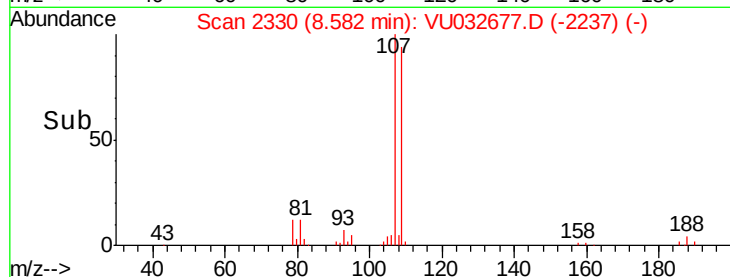
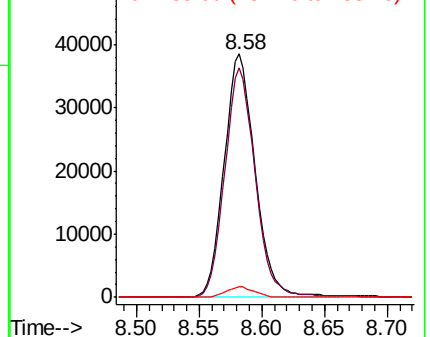
107 100

109 94.1 66.8 124.0

188 4.2 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 51.867 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

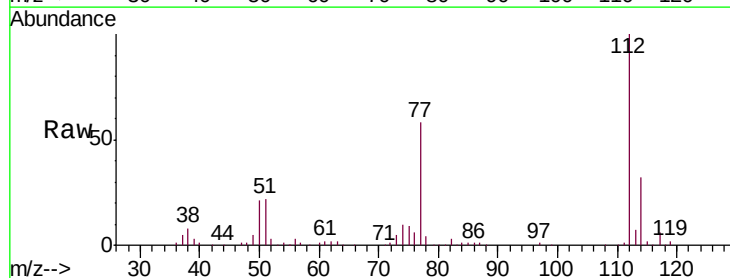
Tgt Ion:112 Resp: 160993

Ion Ratio Lower Upper

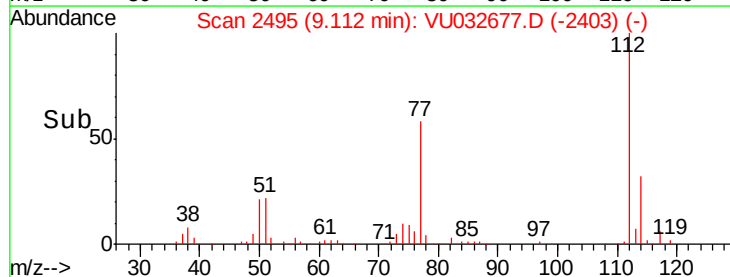
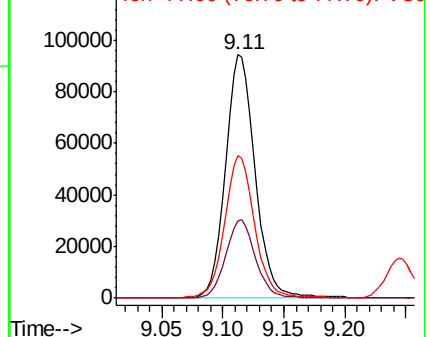
112 100

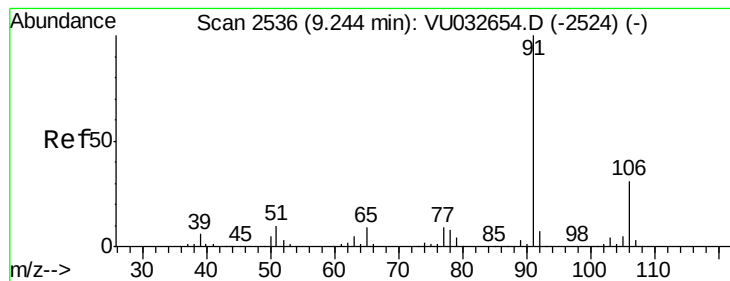
114 31.6 22.6 42.0

77 58.4 46.1 69.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 51.496 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

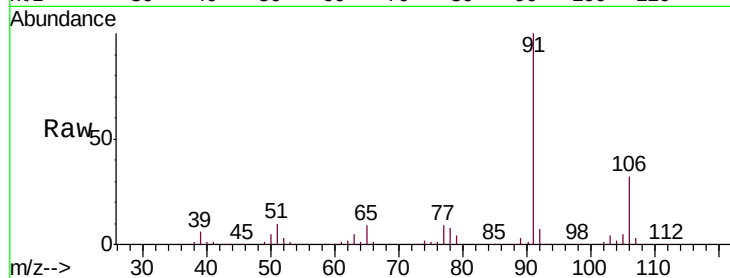
VSTD05048

Tgt Ion: 91 Resp: 276541

Ion Ratio Lower Upper

91 100

106 31.6 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032654.D (-2524) (-)

Ion 106.00 (105.70 to 106.70): VU032677.D (-2443) (-)

9.24

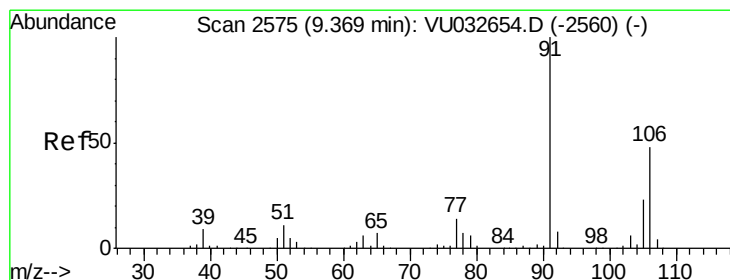
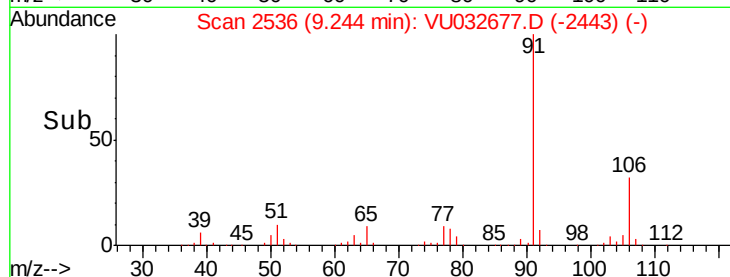
150000

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 50.604 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032677.D

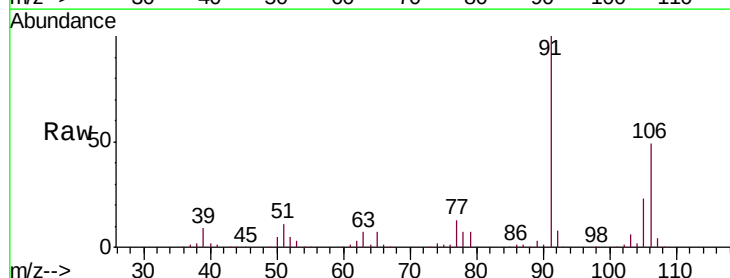
Acq: 13 Jun 2019 01:17

Tgt Ion: 106 Resp: 103334

Ion Ratio Lower Upper

106 100

91 204.6 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032677.D (-2482) (-)

Ion 91.00 (90.70 to 91.70): VU032654.D (-2560) (-)

9.37

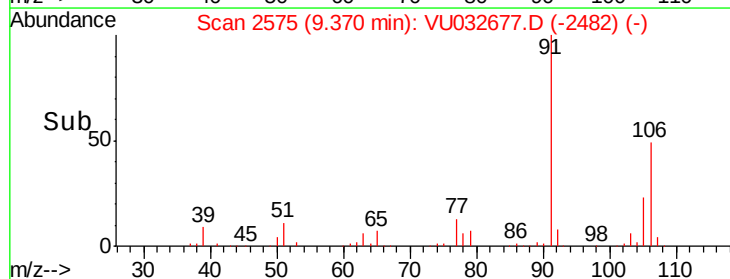
150000

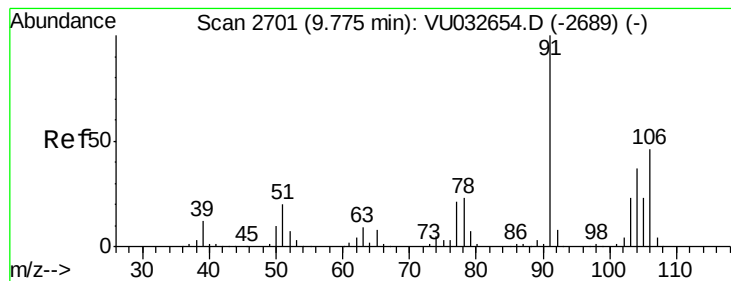
100000

50000

0

Time-->





#54

o-xylene

Concen: 50.863 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

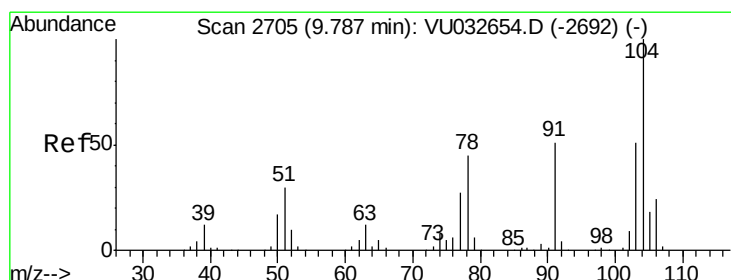
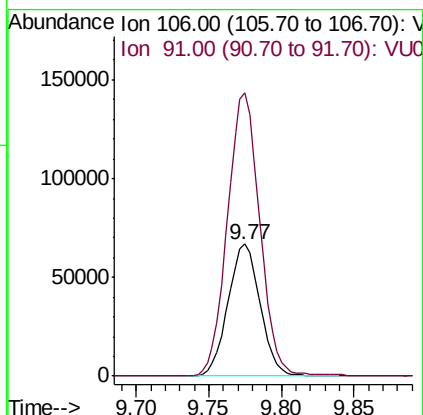
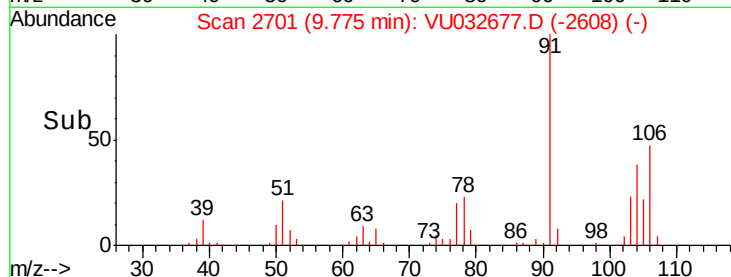
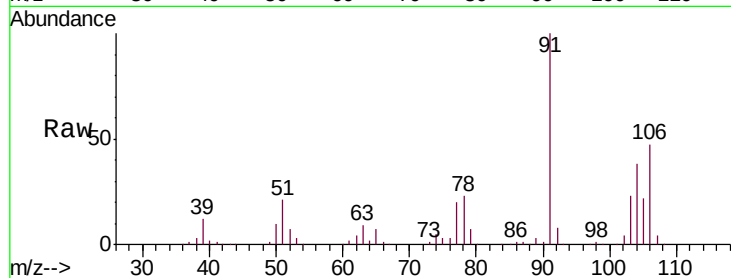
VSTD05048

Tgt Ion:106 Resp: 103125

Ion Ratio Lower Upper

106 100

91 214.6 150.1 278.7



#55

Styrene

Concen: 52.657 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032677.D

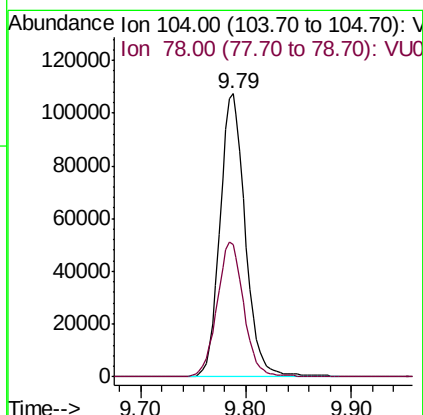
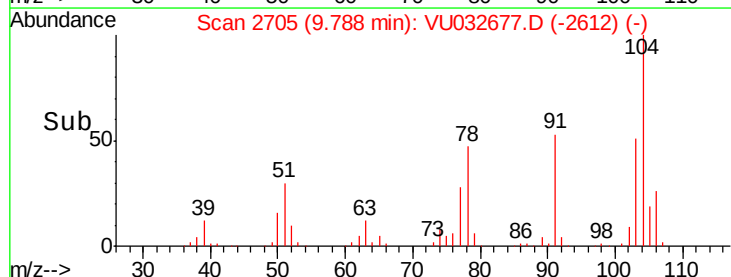
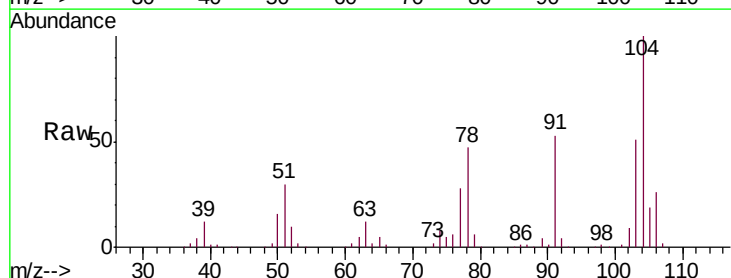
Acq: 13 Jun 2019 01:17

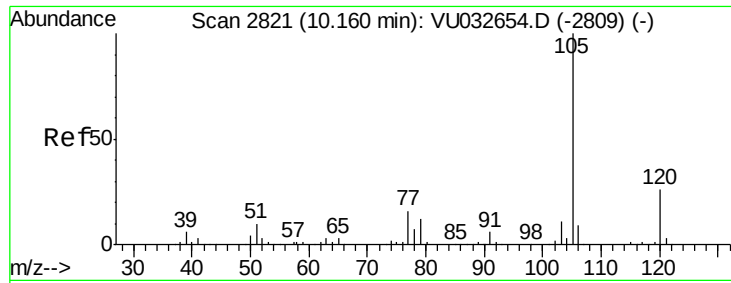
Tgt Ion:104 Resp: 178231

Ion Ratio Lower Upper

104 100

78 46.8 31.6 58.6





#56

Isopropylbenzene

Concen: 50.890 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

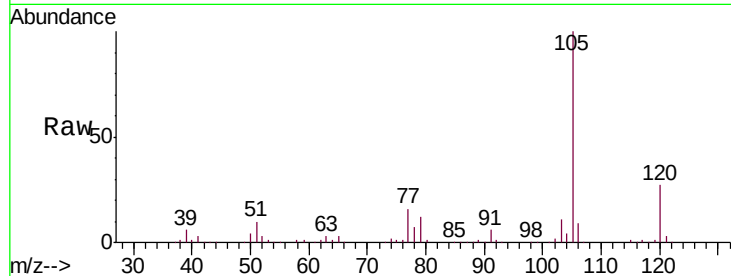
Tgt Ion:105 Resp: 272074

Ion Ratio Lower Upper

105 100

120 26.3 21.6 32.4

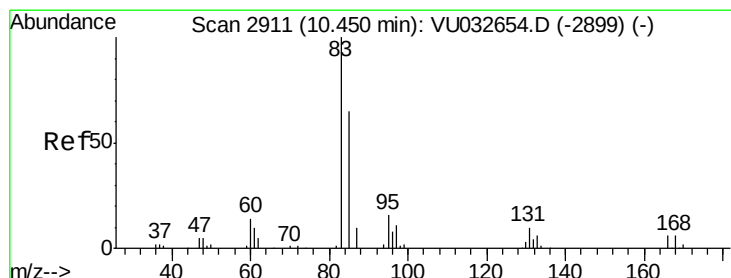
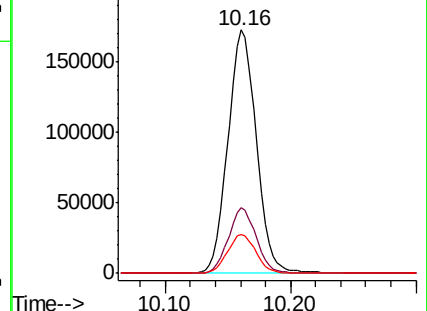
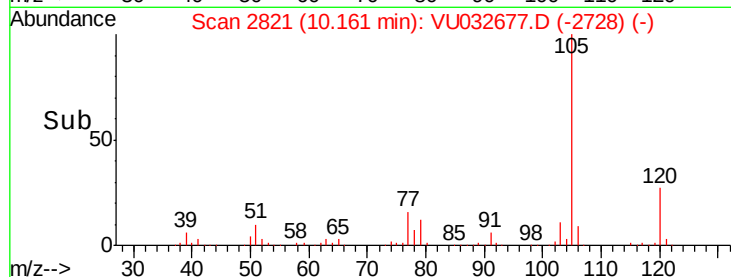
77 16.0 12.4 18.6



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: 51.931 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

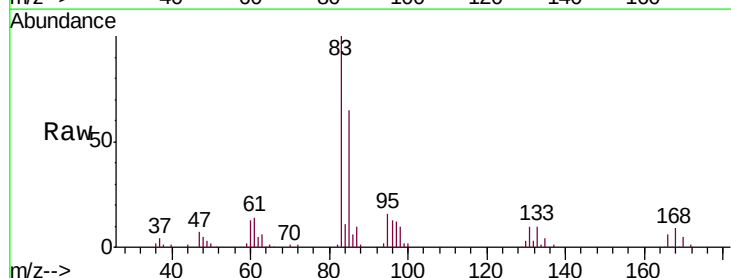
Tgt Ion: 83 Resp: 97878

Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.7

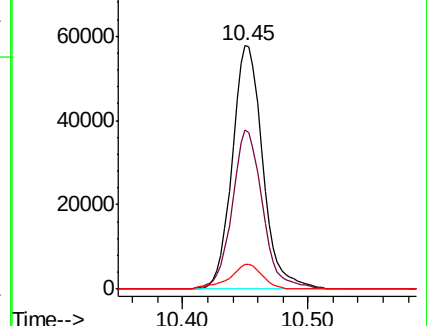
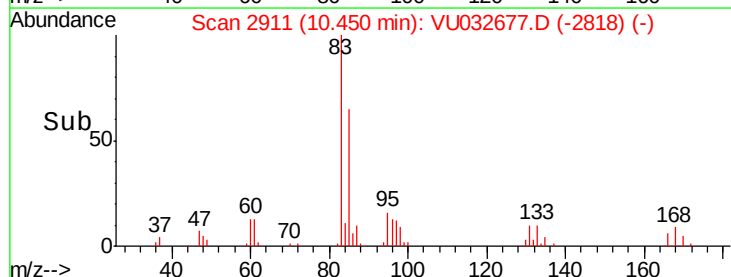
131 10.3 7.9 11.9

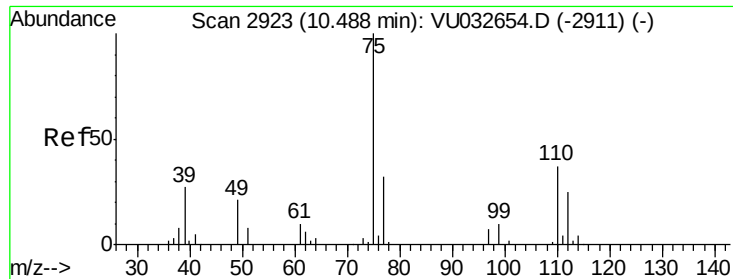


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

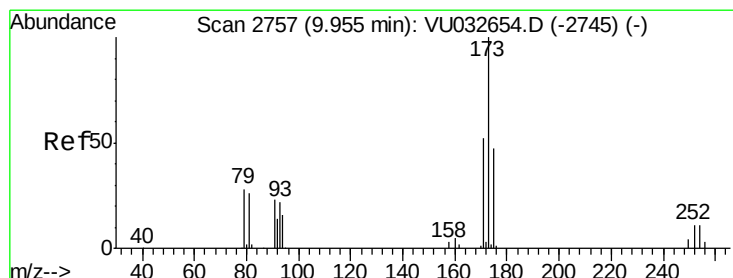
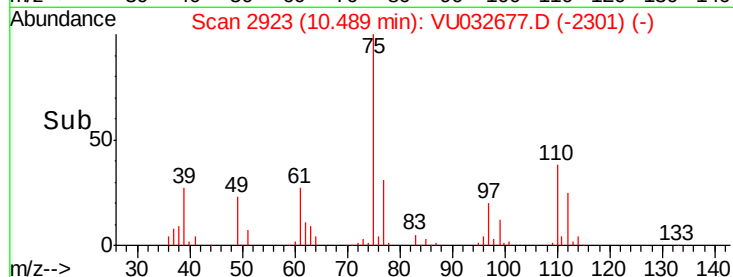
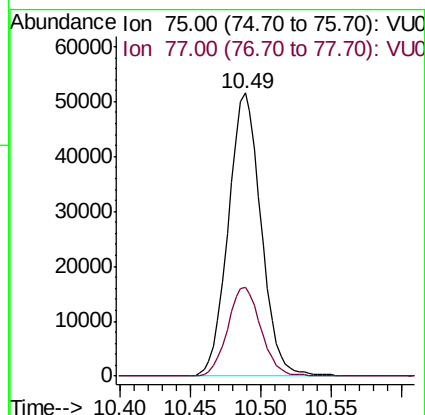
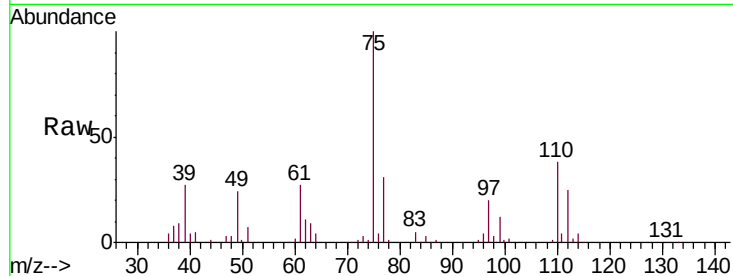




#59
 1,2,3-Trichloropropane
 Concen: 55.266 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032677.D
 Acq: 13 Jun 2019 01:17

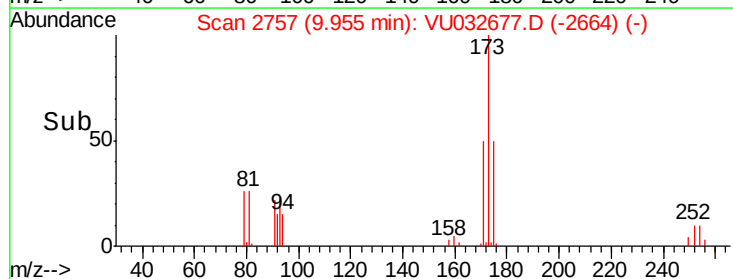
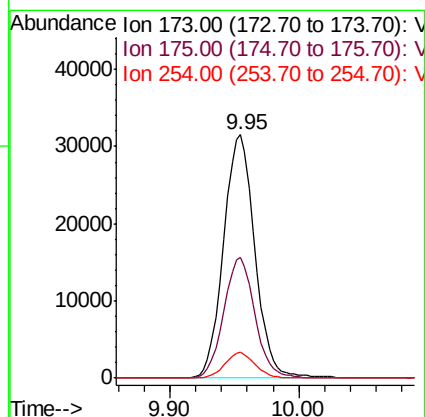
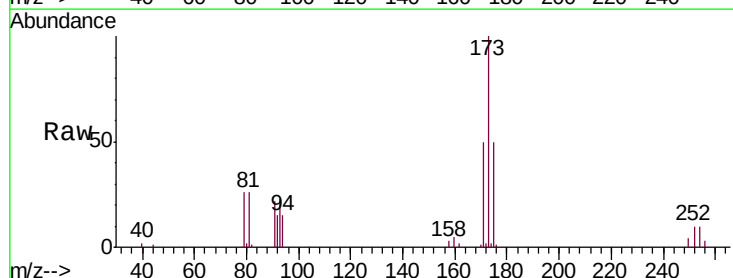
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

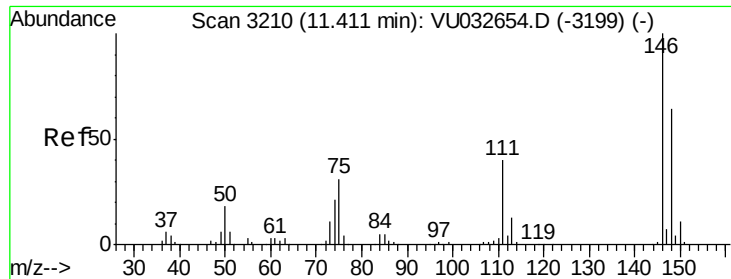
Tgt Ion: 75 Resp: 83781
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4



#61
 Bromoform
 Concen: 52.981 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032677.D
 Acq: 13 Jun 2019 01:17

Tgt Ion: 173 Resp: 53065
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.7 59.5
 254 10.1 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 50.902 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

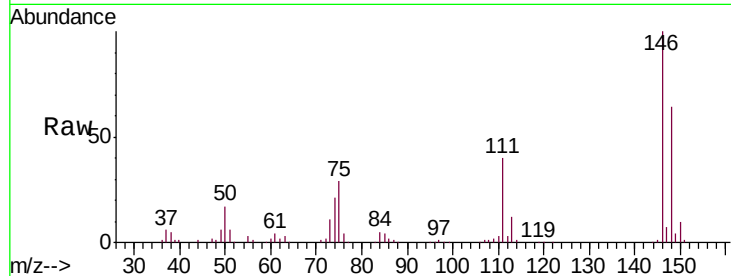
Tgt Ion:146 Resp: 129371

Ion Ratio Lower Upper

146 100

111 39.6 27.3 50.7

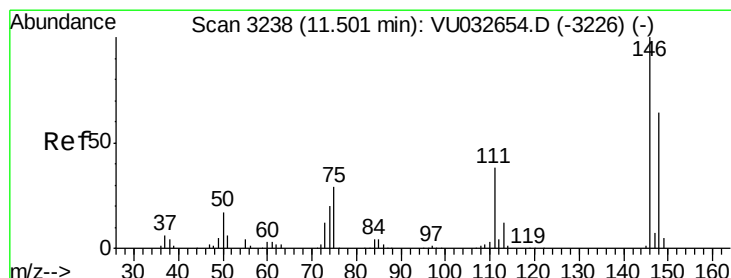
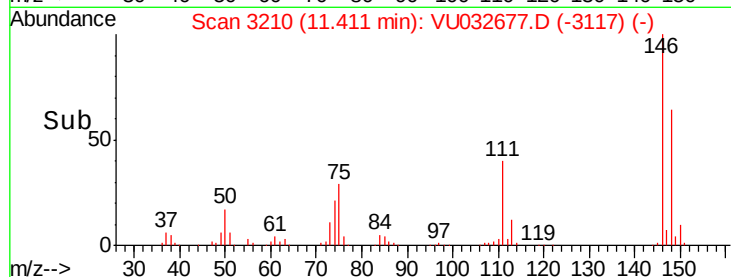
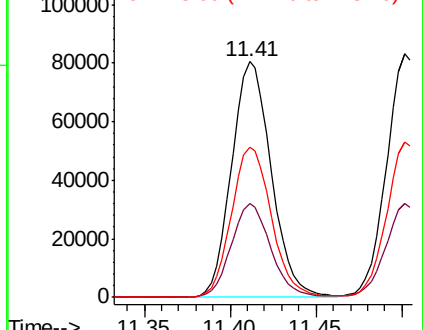
148 63.8 44.4 82.5



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: 51.314 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

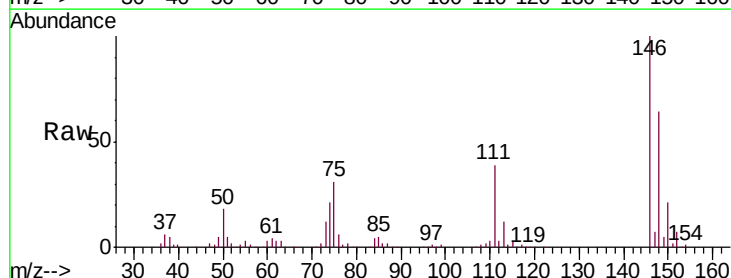
Tgt Ion:146 Resp: 133332

Ion Ratio Lower Upper

146 100

111 38.5 26.6 49.4

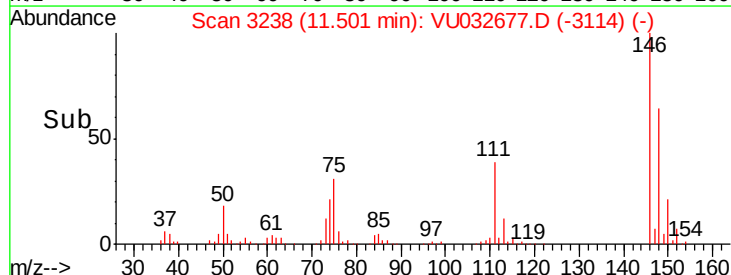
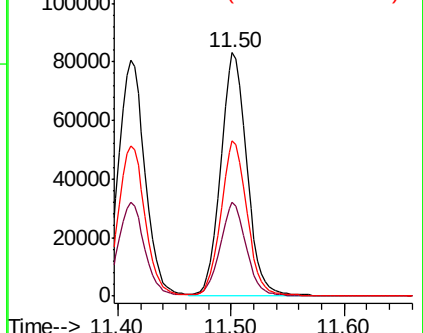
148 63.7 44.9 83.5

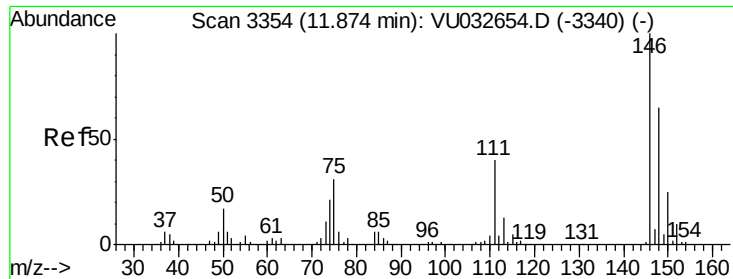


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

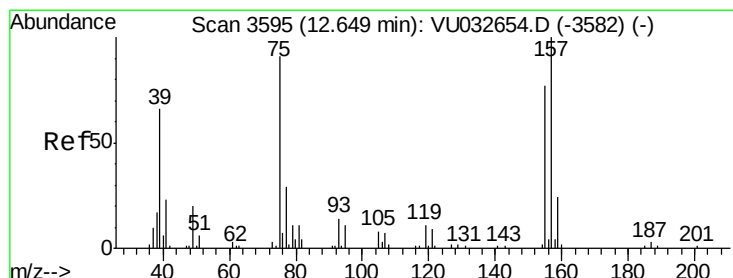
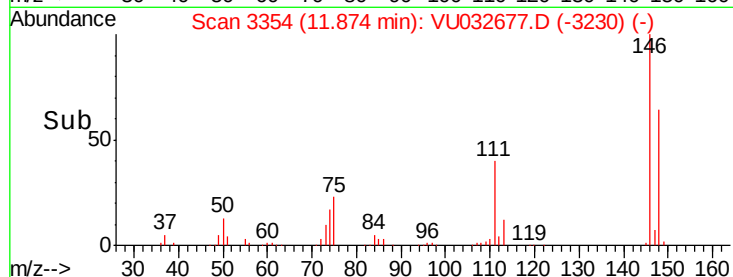
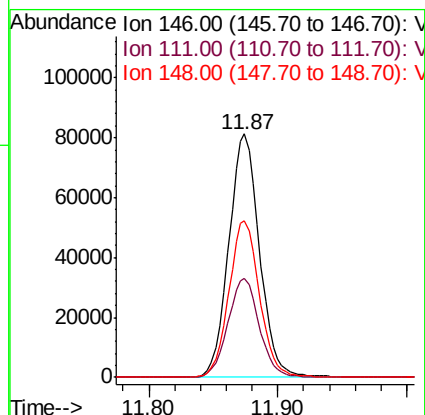
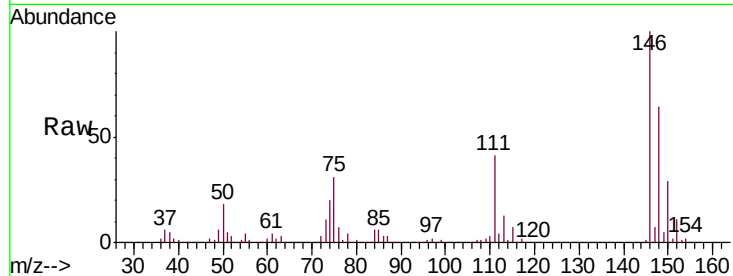




#65
 1,2-Dichlorobenzene
 Concen: 52.039 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032677.D
 Acq: 13 Jun 2019 01:17

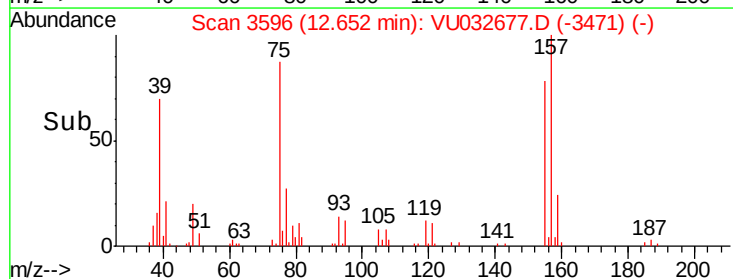
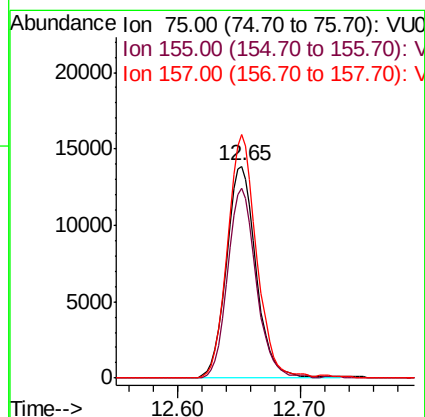
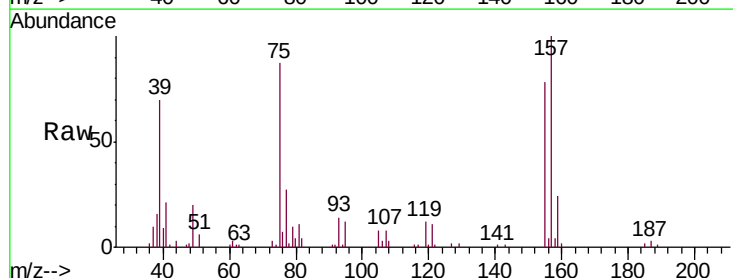
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05048

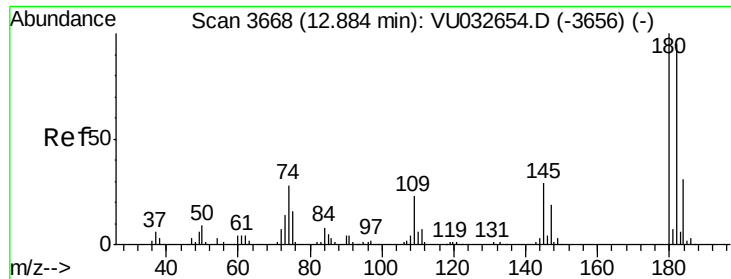
Tgt Ion: 146 Resp: 133716
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.6 48.8
 148 64.5 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.878 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032677.D
 Acq: 13 Jun 2019 01:17

Tgt Ion: 75 Resp: 23725
 Ion Ratio Lower Upper
 75 100
 155 89.4 73.1 109.7
 157 114.7 91.4 137.2

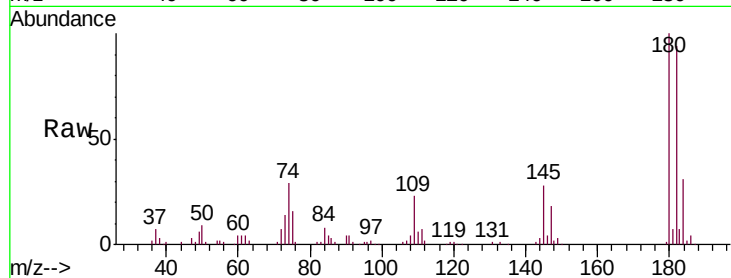




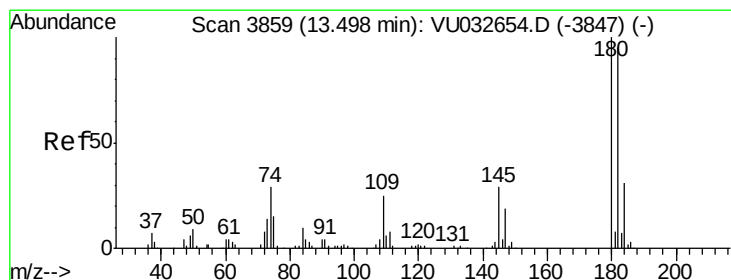
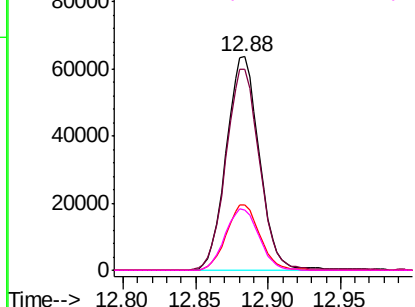
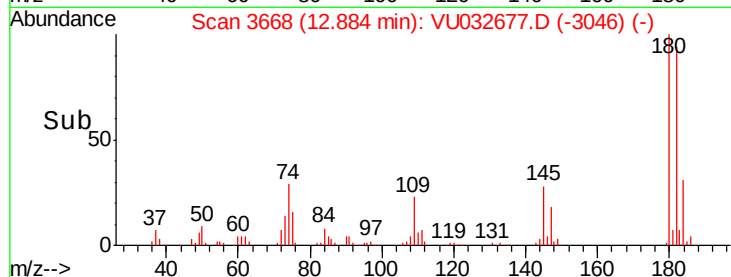
#67
 1,3,5-Trichlorobenzene
 Concen: 50.881 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032677.D
 Acq: 13 Jun 2019 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Tgt Ion:180 Resp: 100612
 Ion Ratio Lower Upper
 180 100
 182 95.4 78.2 117.4
 184 31.1 24.2 36.2
 145 29.5 23.9 35.9

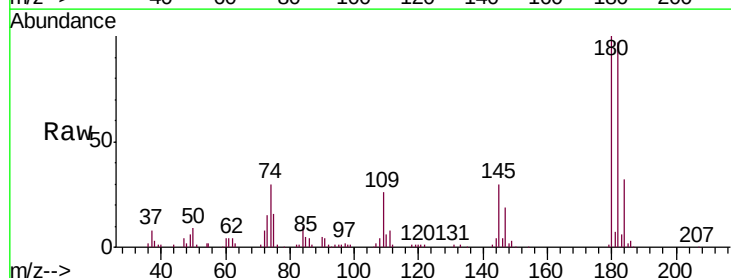


Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

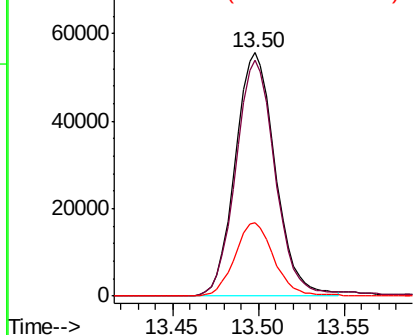
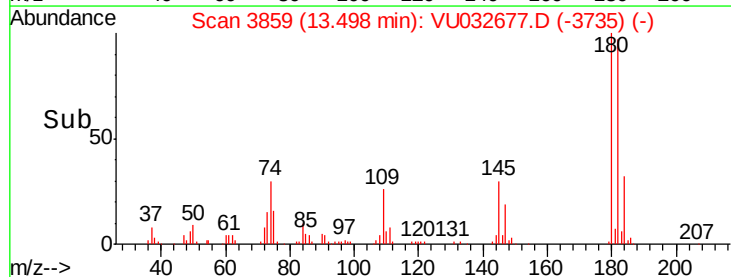


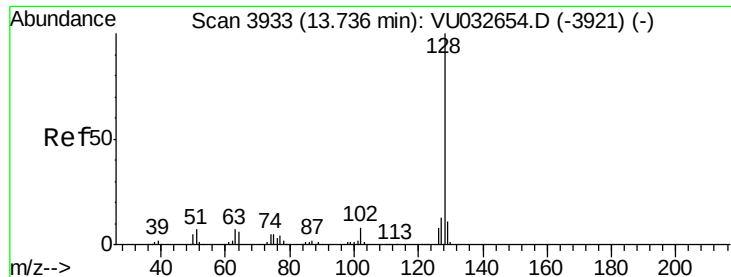
#68
 1,2,4-trichlorobenzene
 Concen: 53.859 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032677.D
 Acq: 13 Jun 2019 01:17

Tgt Ion:180 Resp: 90224
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.5 114.7
 145 29.7 23.8 35.6



Abundance Ion 180.00 (179.70 to 180.70): V
 60000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.493 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

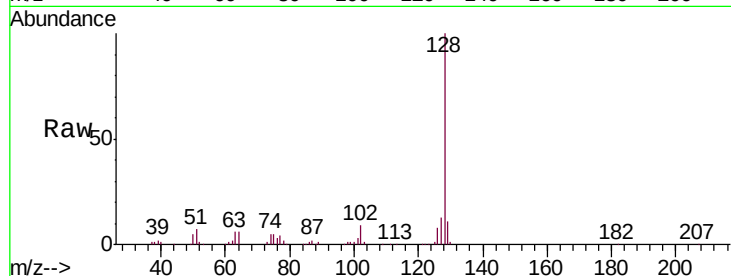
Tgt Ion:128 Resp: 282656

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

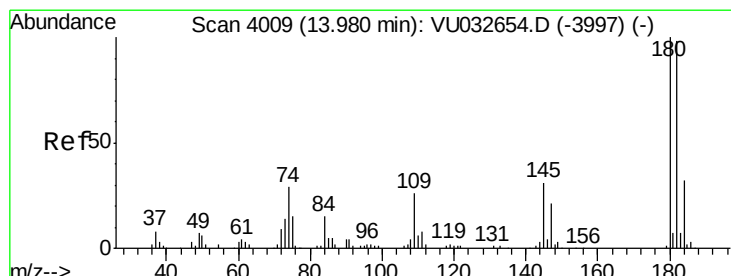
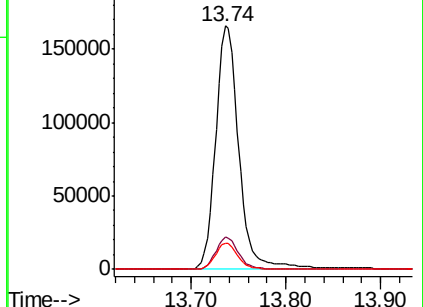
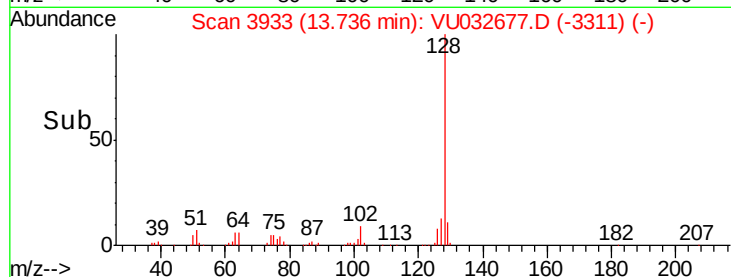
129 10.6 8.5 12.7



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: 56.294 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU032677.D

Acq: 13 Jun 2019 01:17

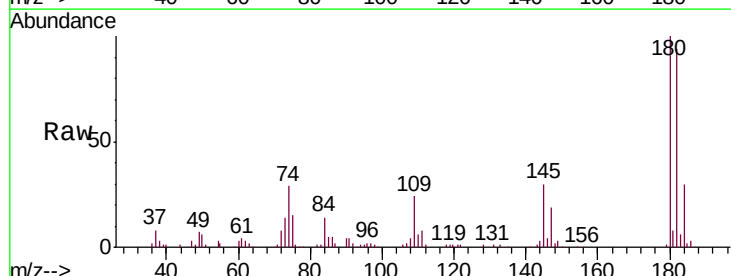
Tgt Ion:180 Resp: 98144

Ion Ratio Lower Upper

180 100

182 94.3 76.7 115.1

145 30.6 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

