

Data File : VU032635.D
Acq On : 12 Jun 2019 01:22
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Jun 12 07:35:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 12 07:28:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	169178	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	163911	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	86778	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	52757	48.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.12%
7) Chloroethane-d5	1.67	69	43106	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.74%
11) 1,1-Dichloroethene-d2	2.27	63	110232	51.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.58%
21) 2-Butanone-d5	4.17	46	99389	108.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.20%
24) Chloroform-d	4.64	84	107973	52.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.48%
26) 1,2-Dichloroethane-d4	5.30	65	70705	54.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.66%
32) Benzene-d6	5.33	84	210091	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
36) 1,2-Dichloropropane-d6	6.32	67	66919	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.30%
41) Toluene-d8	7.56	98	195222	48.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.76%
43) trans-1,3-Dichloropropene-	7.85	79	30875	48.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.70%
47) 2-Hexanone-d5	8.31	63	59200	91.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.47%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	100734	52.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	84935	51.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	76567	50.202 ug/L	99
3) Chloromethane	1.32	50	68160	46.249 ug/L	99
5) Vinyl chloride	1.40	62	70785	48.082 ug/L	96
6) Bromomethane	1.62	94	30098	34.307 ug/L	95
8) Chloroethane	1.69	64	41723	47.680 ug/L	99
9) Trichlorofluoromethane	1.88	101	102119	51.370 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	52602	50.879 ug/L	98
12) 1,1-Dichloroethene	2.28	96	51078	50.882 ug/L	94
13) Acetone	2.32	43	71666	75.616 ug/L	97
14) Carbon disulfide	2.47	76	149044	48.865 ug/L	99
15) Methyl Acetate	2.61	43	73136	54.047 ug/L	98
16) Methylene chloride	2.69	84	60888	53.156 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	55556	51.071 ug/L	98
18) Methyl tert-butyl Ether	2.99	73	182672	51.114 ug/L	99
19) 1,1-Dichloroethane	3.44	63	107094	54.003 ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	63276	51.397 ug/L	94
22) 2-Butanone	4.26	43	105763	94.418 ug/L	99

Data File : VU032635.D
Acq On : 12 Jun 2019 01:22
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Jun 12 07:35:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 12 07:28:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	34046	53.187	ug/L	97
25) Chloroform	4.67	83	111829	54.646	ug/L	99
27) 1,2-Dichloroethane	5.40	62	87616	54.158	ug/L	99
29) Cyclohexane	4.99	56	93077	47.741	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	95919	51.693	ug/L	98
31) Carbon tetrachloride	5.13	117	87726	51.584	ug/L	100
33) Benzene	5.38	78	231814	50.336	ug/L	100
34) Trichloroethene	6.18	95	64182	51.225	ug/L	98
35) Methylcyclohexane	6.41	83	93334	46.014	ug/L	100
37) 1,2-Dichloropropane	6.43	63	63617	52.110	ug/L	100
38) Bromodichloromethane	6.75	83	82679	52.596	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	92793	48.175	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	202909	103.313	ug/L	98
42) Toluene	7.63	91	254859	50.531	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	85183	49.824	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	60879	52.734	ug/L	99
46) Tetrachloroethene	8.22	164	50958	49.243	ug/L	98
48) 2-Hexanone	8.36	43	162256	100.584	ug/L	99
49) Dibromochloromethane	8.47	129	70778	52.746	ug/L	96
50) 1,2-Dibromoethane	8.58	107	67344	51.825	ug/L	100
51) Chlorobenzene	9.11	112	166397	51.208	ug/L	99
52) Ethylbenzene	9.24	91	278804	49.592	ug/L	99
53) m,p-Xylene	9.37	106	105058	49.144	ug/L	99
54) o-xylene	9.77	106	105095	49.514	ug/L	100
55) Styrene	9.79	104	179602	50.686	ug/L	98
56) Isopropylbenzene	10.16	105	278036	49.677	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	101157	51.268	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	82851	52.205	ug/L	97
61) Bromoform	9.95	173	54547	52.722	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	133215	50.741	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	134292	50.033	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	136050	51.256	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	24451	54.751	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	102993	50.422	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	93682	54.137	ug/L	99
69) Naphthalene	13.74	128	294953	54.037	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	100973	56.067	ug/L	98

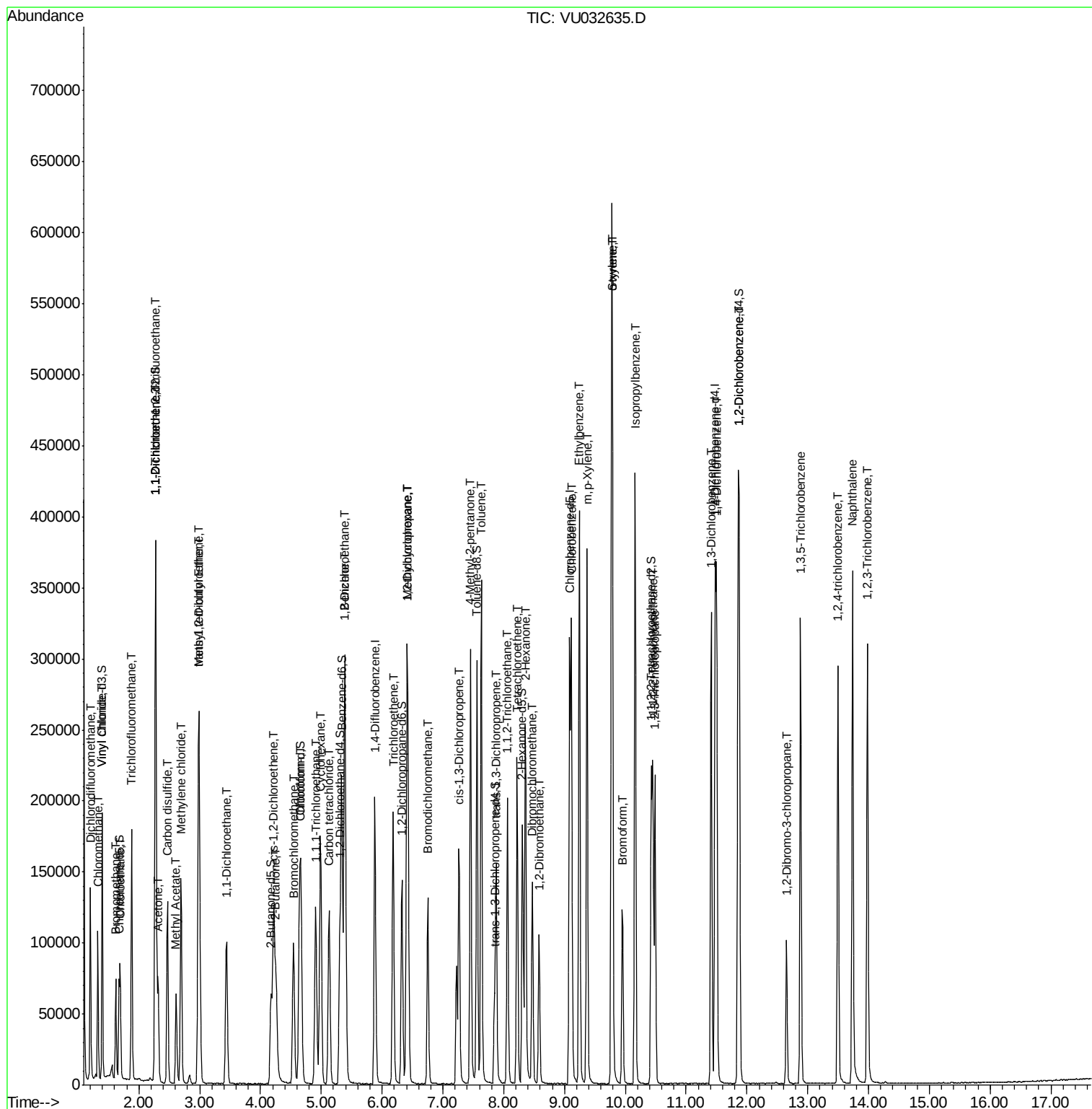
(#) = qualifier out of range (m) = manual integration (+) = signals summed

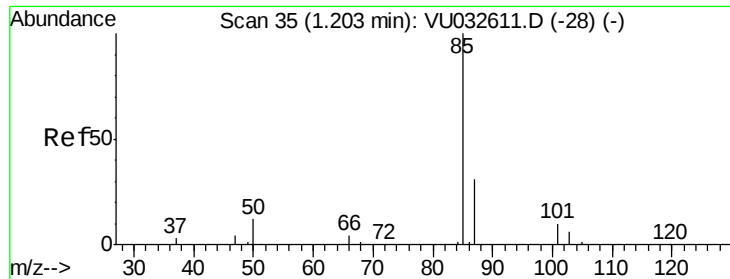
Data File : VU032635.D

```
Acq On       : 12 Jun 2019   01:22
Operator    : JC/SP
Sample      : VSTDCCC050EC
Misc        : 5.0mL/MSVOA_U/WATER
ALS Vial    : 43   Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Jun 12 07:35:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 12 07:28:55 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 50.202 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

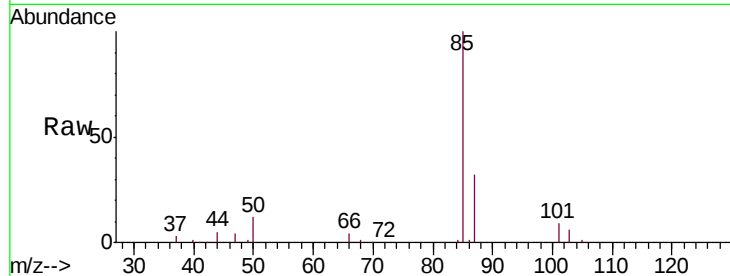
VSTD05045

Tgt Ion: 85 Resp: 76567

Ion Ratio Lower Upper

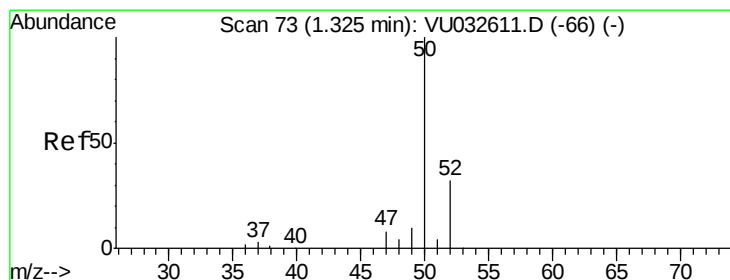
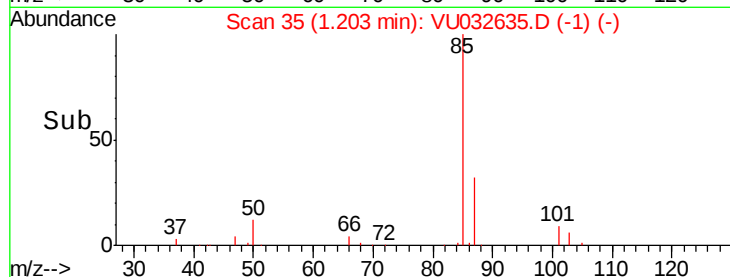
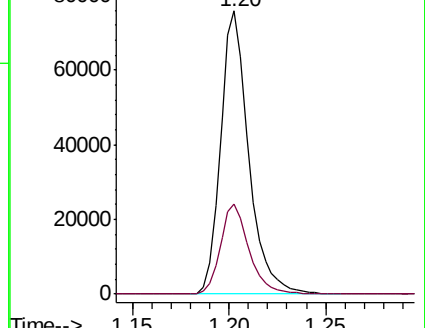
85 100

87 32.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032611.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032611.D (-28) (-)



#3

Chloromethane

Concen: 46.249 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032635.D

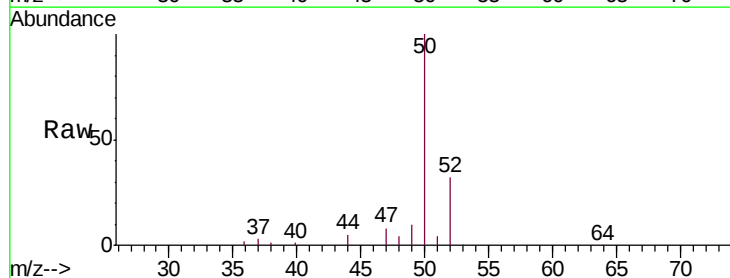
Acq: 12 Jun 2019 01:22

Tgt Ion: 50 Resp: 68160

Ion Ratio Lower Upper

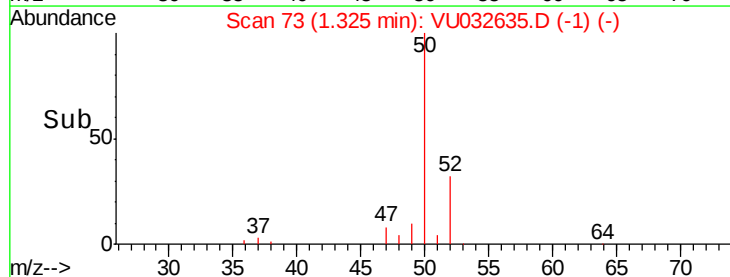
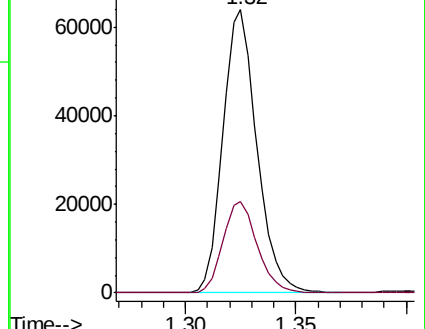
50 100

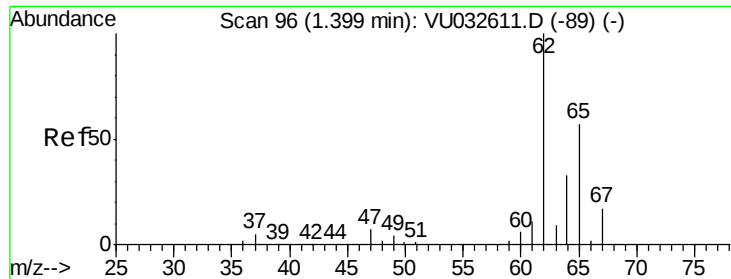
52 32.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032611.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU032611.D (-66) (-)





#5

Vinyl chloride

Concen: 48.082 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

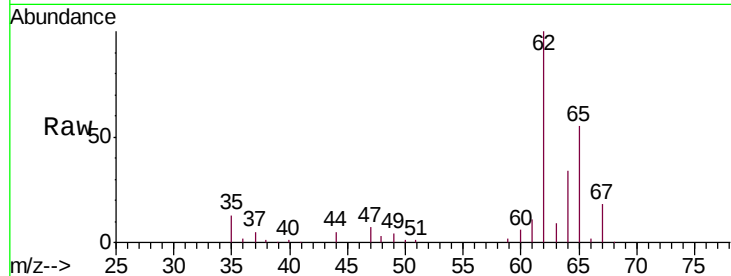
VSTD05045

Tgt Ion: 62 Resp: 70785

Ion Ratio Lower Upper

62 100

64 34.4 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032611.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU032611.D (-89) (-)

1.40

60000

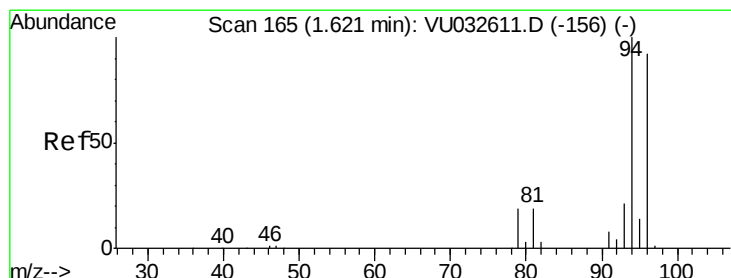
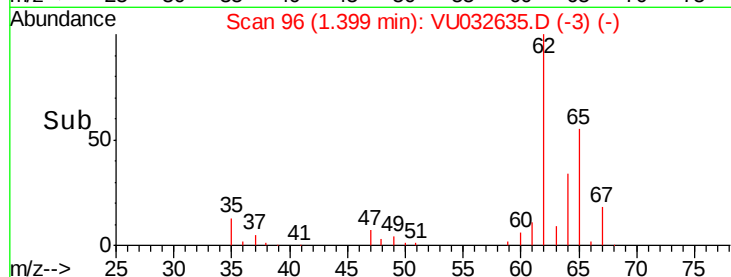
40000

20000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 34.307 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU032635.D

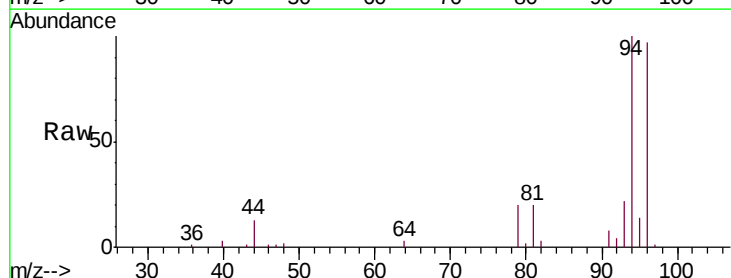
Acq: 12 Jun 2019 01:22

Tgt Ion: 94 Resp: 30098

Ion Ratio Lower Upper

94 100

96 96.8 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032611.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032611.D (-156) (-)

1.62

25000

20000

15000

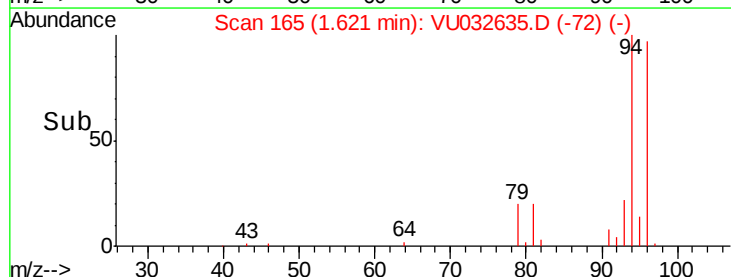
10000

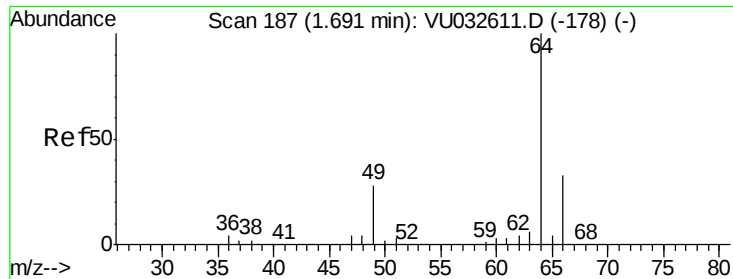
5000

0

1.60 1.65

Time-->





#8

Chloroethane

Concen: 47.680 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

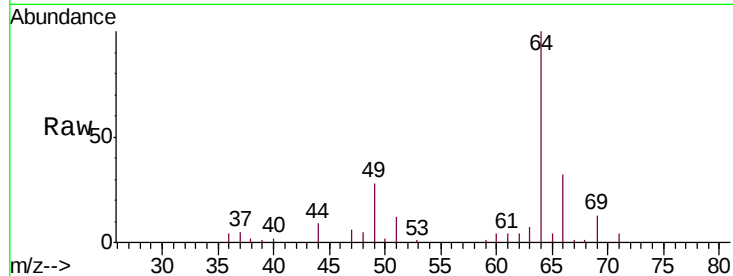
VSTD05045

Tgt Ion: 64 Resp: 41723

Ion Ratio Lower Upper

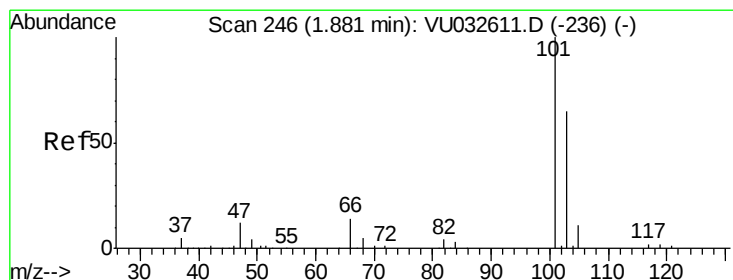
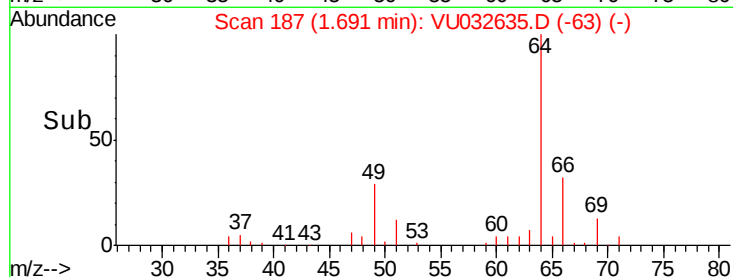
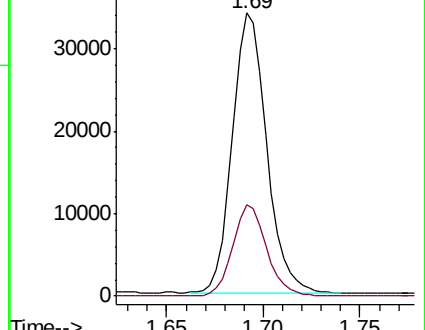
64 100

66 32.1 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU032611.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU032611.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 51.370 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032635.D

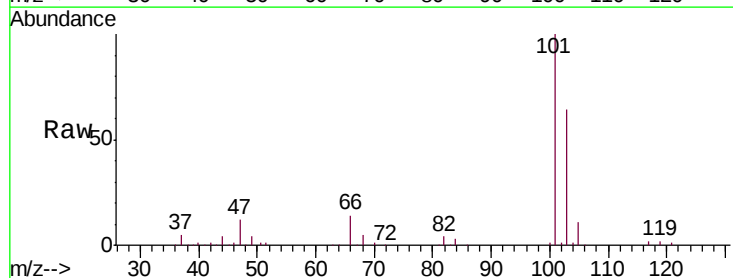
Acq: 12 Jun 2019 01:22

Tgt Ion: 101 Resp: 102119

Ion Ratio Lower Upper

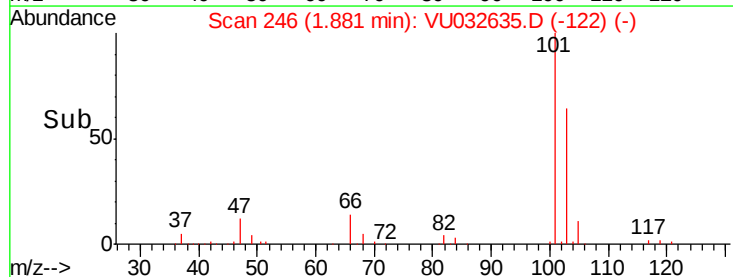
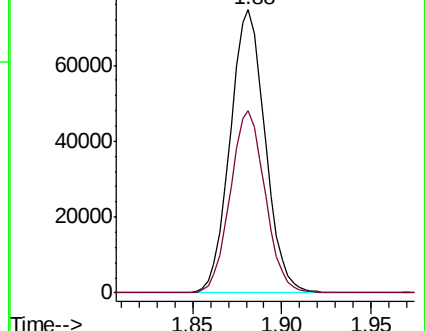
101 100

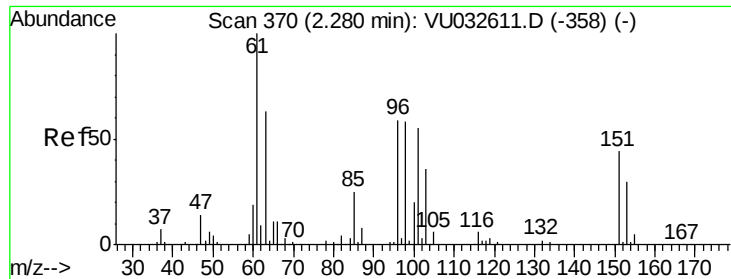
103 63.9 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU032611.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU032611.D (-236) (-)





#10

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

Concen: 50.879 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

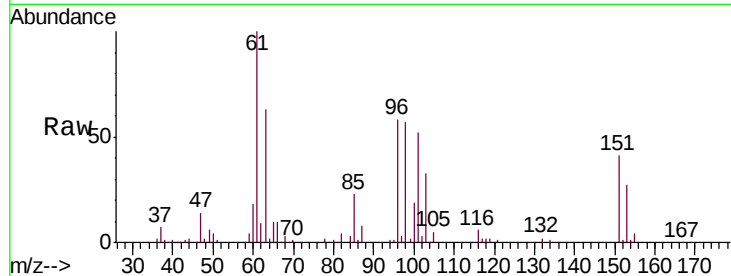
Tgt Ion:101 Resp: 52602

Ion Ratio Lower Upper

101 100

85 45.8 36.1 54.1

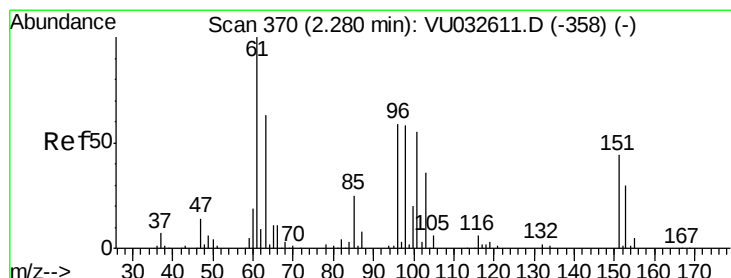
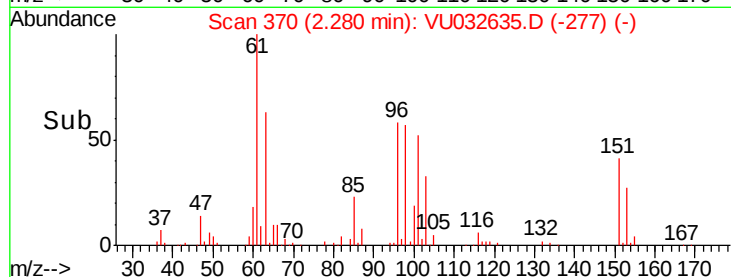
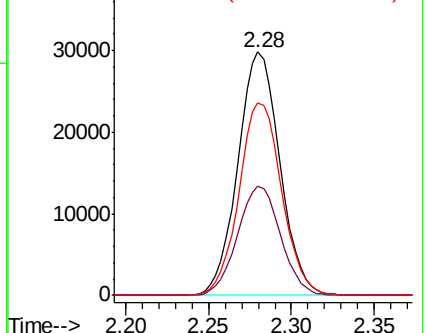
151 80.3 63.0 94.4



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: 50.882 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

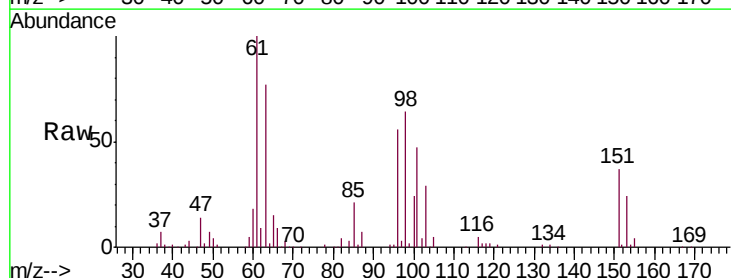
Tgt Ion: 96 Resp: 51078

Ion Ratio Lower Upper

96 100

61 178.2 129.5 240.5

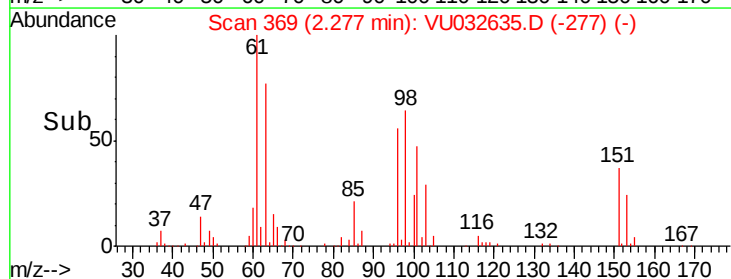
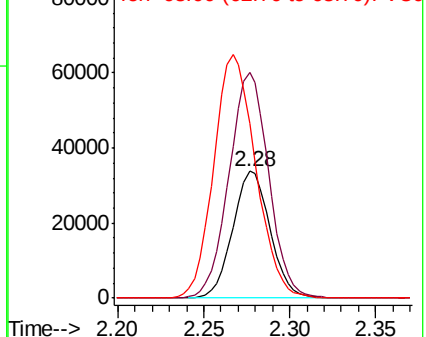
63 137.5 103.4 192.0

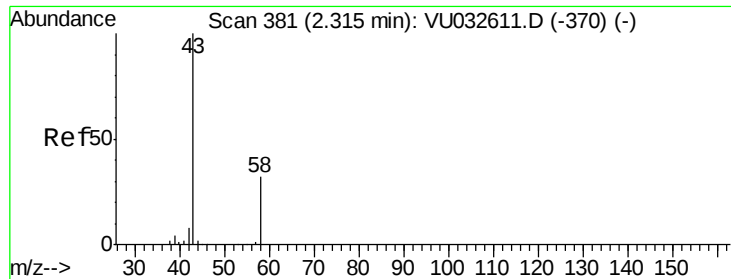


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 75.616 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

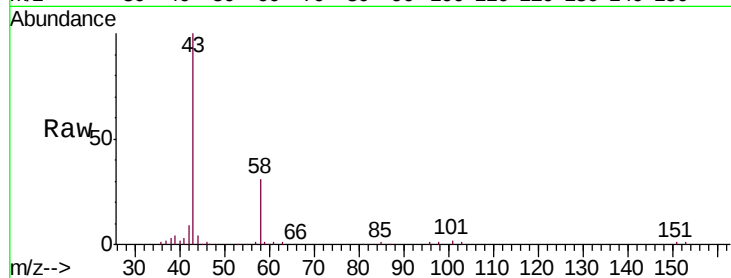
VSTD05045

Tgt Ion: 43 Resp: 71666

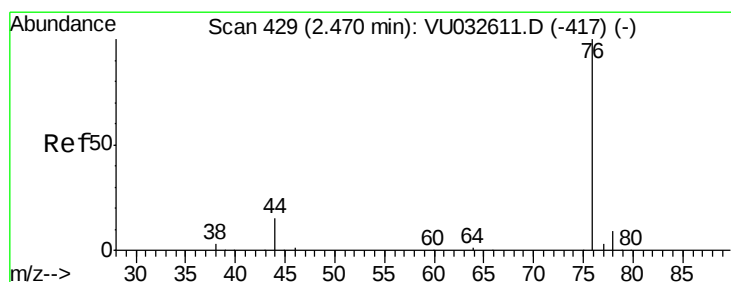
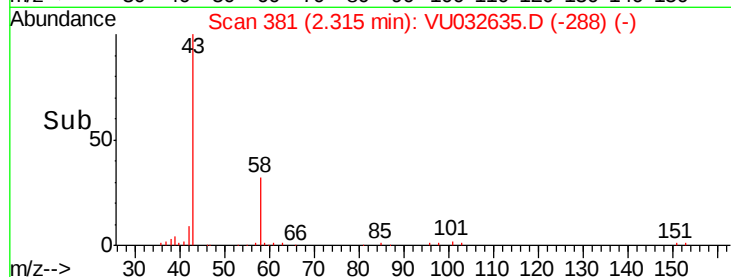
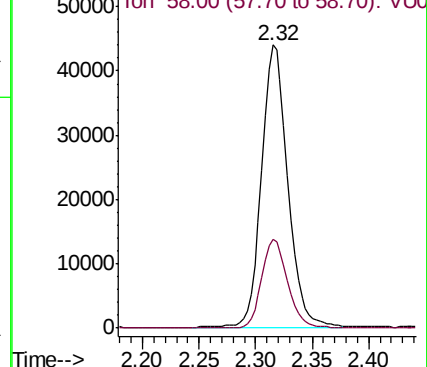
Ion Ratio Lower Upper

43 100

58 30.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032611.D (-370) (-)



#14

Carbon disulfide

Concen: 48.865 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032635.D

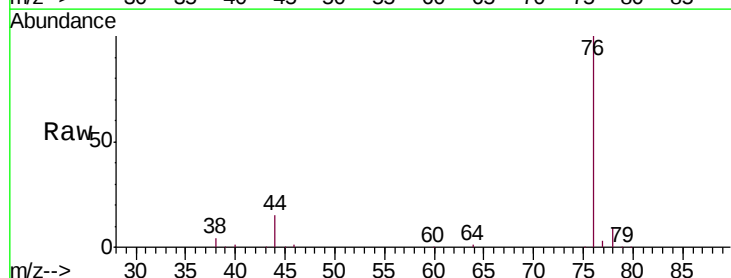
Acq: 12 Jun 2019 01:22

Tgt Ion: 76 Resp: 149044

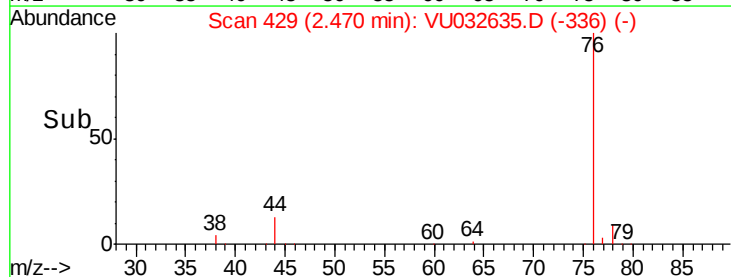
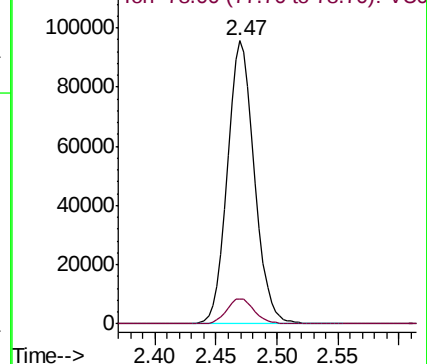
Ion Ratio Lower Upper

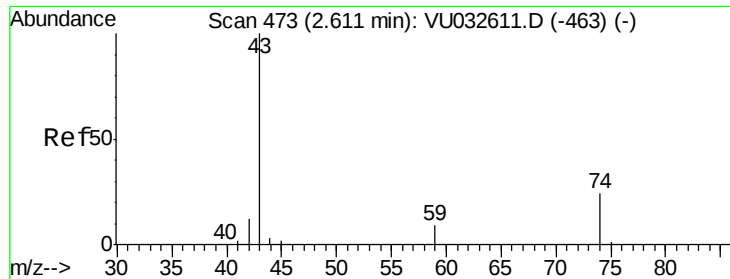
76 100

78 9.0 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU032611.D (-417) (-)

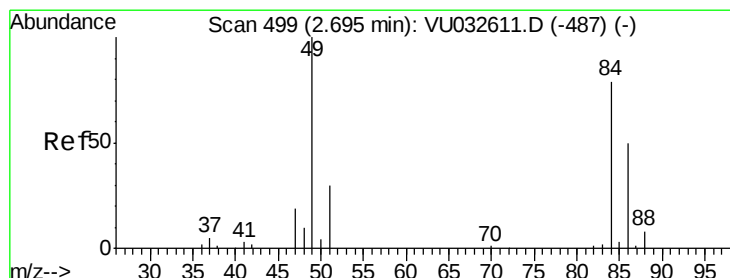
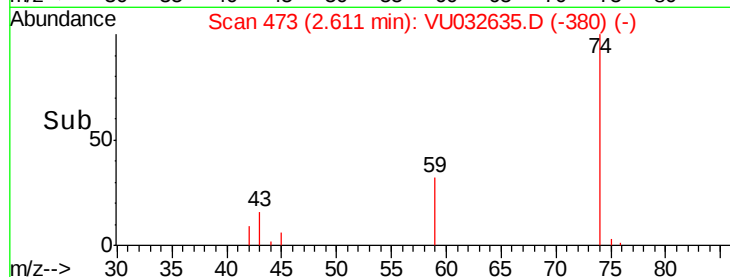
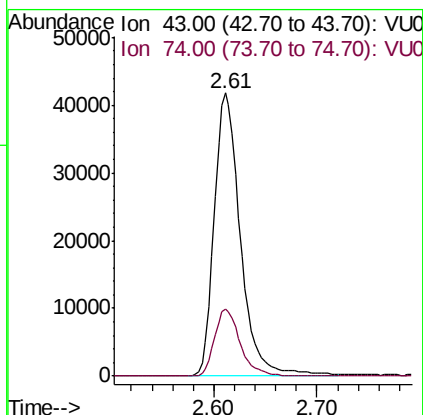
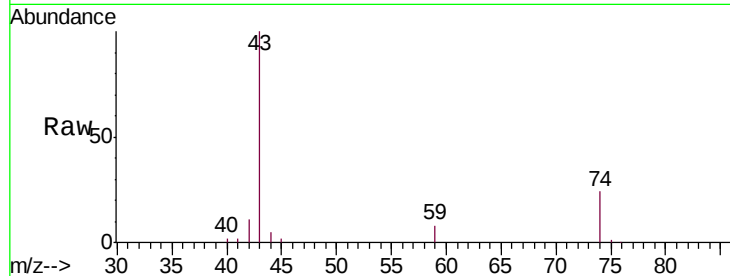




#15
Methyl Acetate
Concen: 54.047 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU032635.D
Acq: 12 Jun 2019 01:22

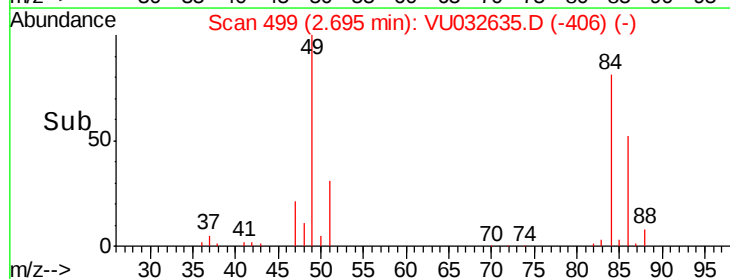
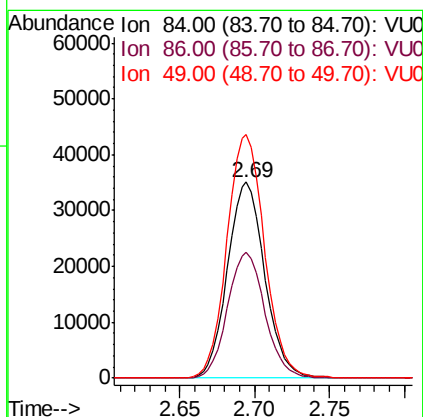
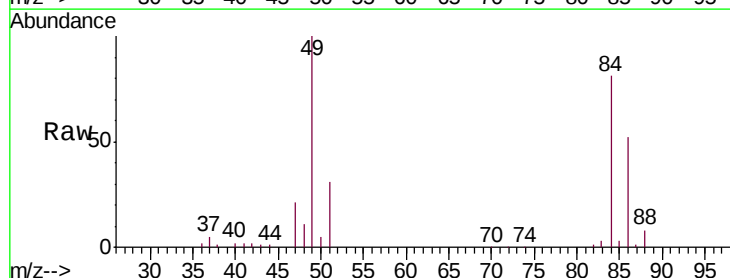
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

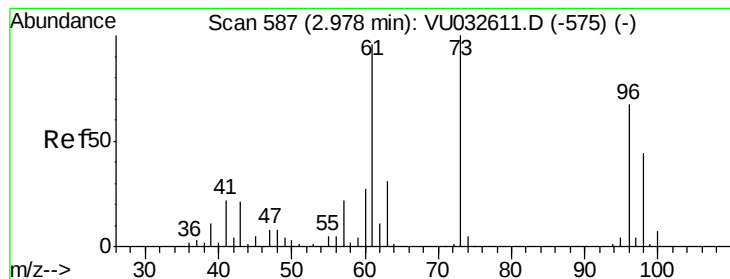
Tgt Ion: 43 Resp: 73136
Ion Ratio Lower Upper
43 100
74 23.4 18.0 27.0



#16
Methylene chloride
Concen: 53.156 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032635.D
Acq: 12 Jun 2019 01:22

Tgt Ion: 84 Resp: 60888
Ion Ratio Lower Upper
84 100
86 64.2 44.7 82.9
49 124.2 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 51.071 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

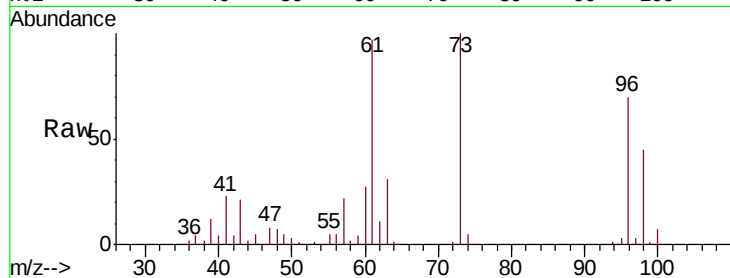
Tgt Ion: 96 Resp: 55556

Ion Ratio Lower Upper

96 100

61 139.2 95.7 177.7

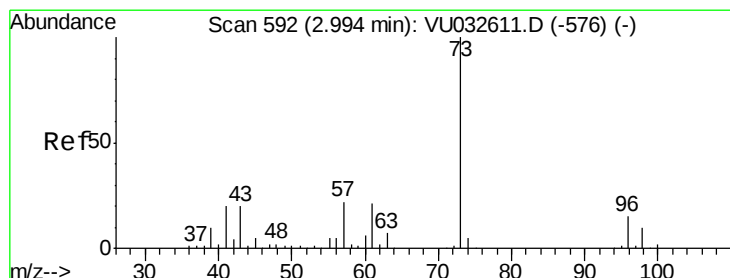
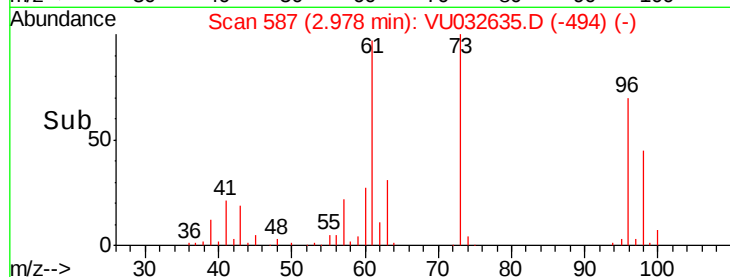
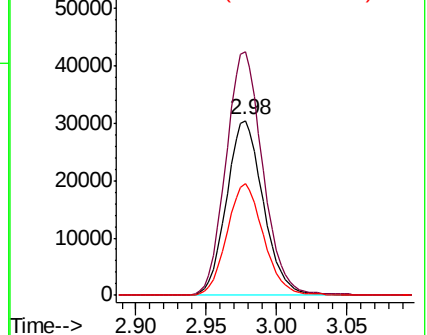
98 63.9 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032611.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VU032611.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VU032611.D (-575) (-)



#18

Methyl tert-butyl Ether

Concen: 51.114 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

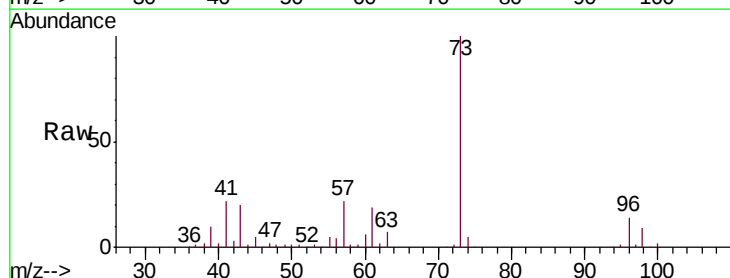
Tgt Ion: 73 Resp: 182672

Ion Ratio Lower Upper

73 100

43 20.5 15.8 23.6

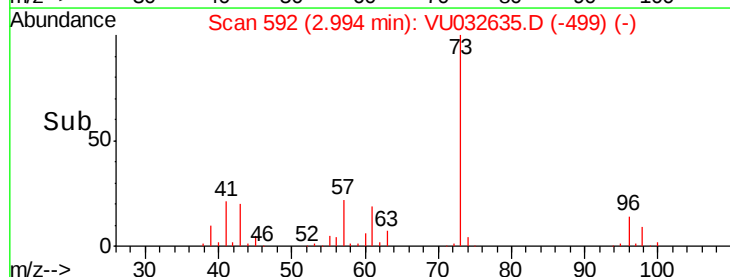
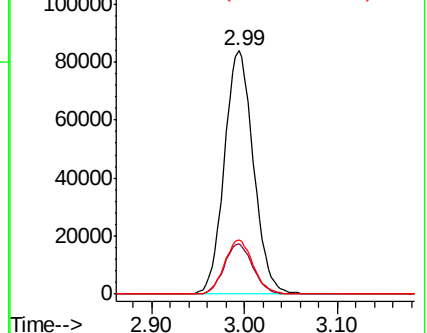
57 21.9 17.6 26.4

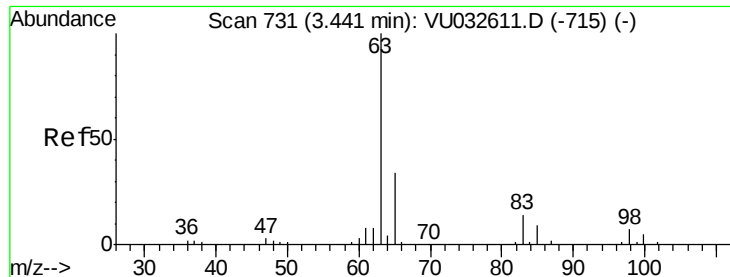


Abundance Ion 73.00 (72.70 to 73.70): VU032611.D (-576) (-)

Ion 43.00 (42.70 to 43.70): VU032611.D (-576) (-)

Ion 57.00 (56.70 to 57.70): VU032611.D (-576) (-)





#19

1,1-Dichloroethane

Concen: 54.003 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

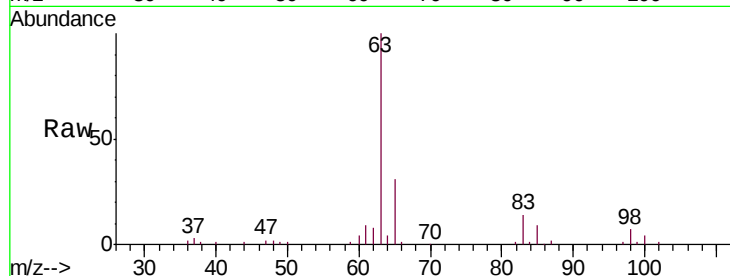
Tgt Ion: 63 Resp: 107094

Ion Ratio Lower Upper

63 100

65 31.1 21.8 40.6

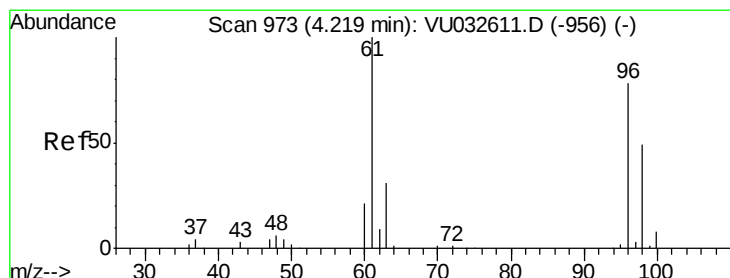
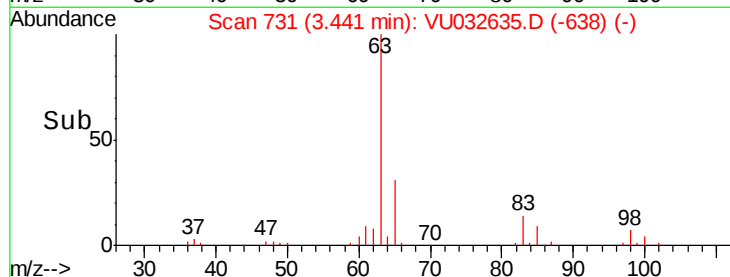
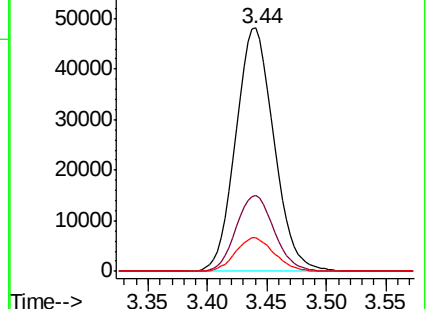
83 13.7 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VU032611.D (-715) (-)

Ion 65.00 (64.70 to 65.70): VU032611.D (-715) (-)

Ion 83.00 (82.70 to 83.70): VU032611.D (-715) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.397 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

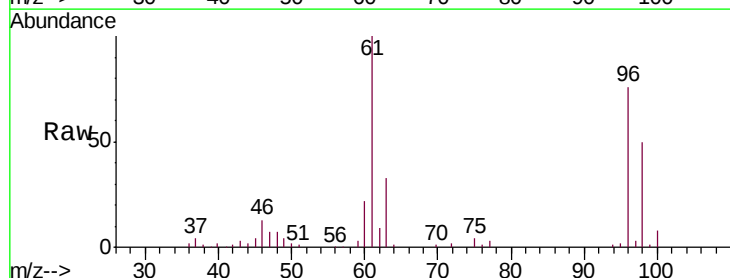
Tgt Ion: 96 Resp: 63276

Ion Ratio Lower Upper

96 100

61 130.9 87.2 162.0

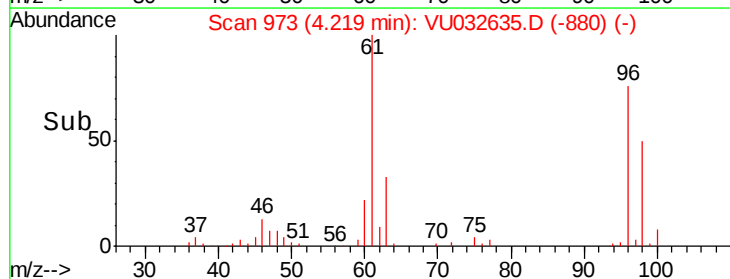
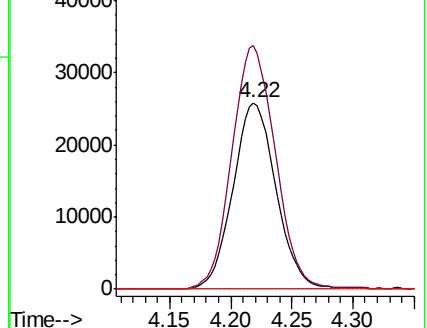
68 0.0 0.0 0.0

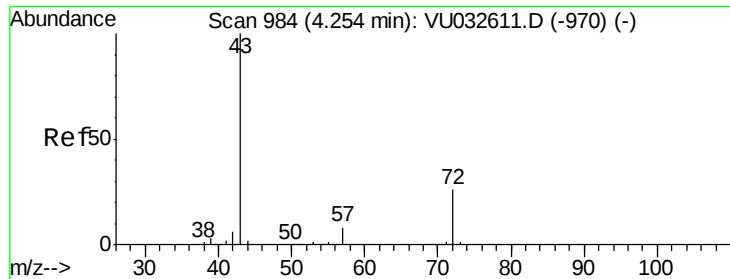


Abundance Ion 96.00 (95.70 to 96.70): VU032611.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU032611.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU032611.D (-956) (-)





#22

2-Butanone

Concen: 94.418 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

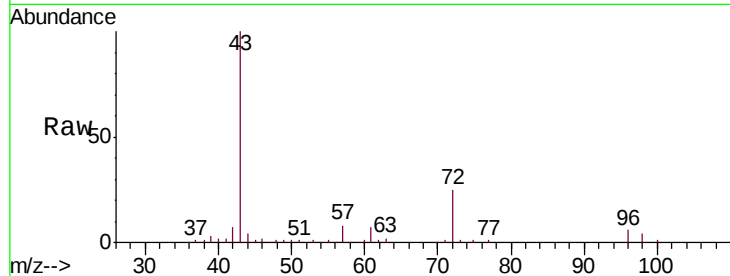
VSTD05045

Tgt Ion: 43 Resp: 105763

Ion Ratio Lower Upper

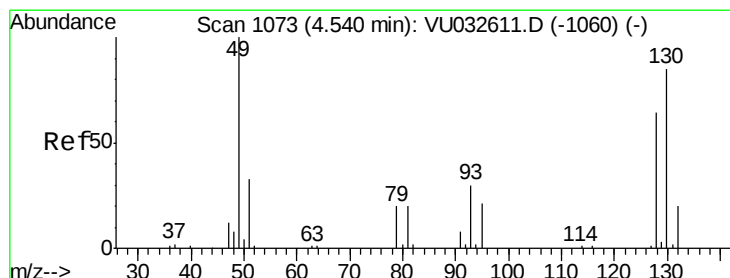
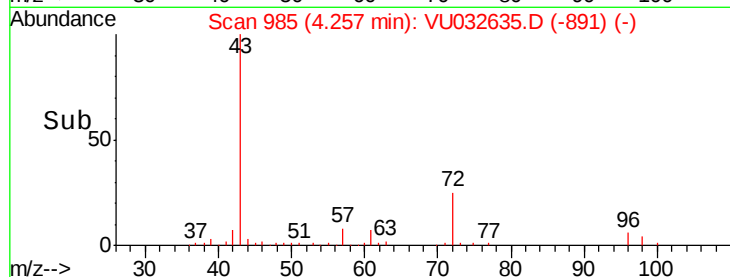
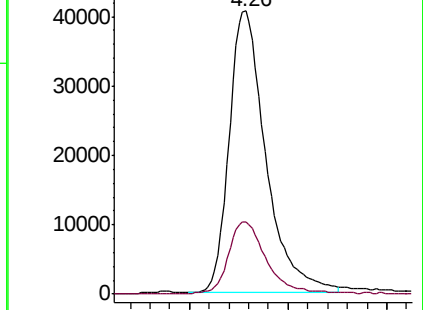
43 100

72 26.7 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032611.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU032611.D (-970) (-)



#23

Bromochloromethane

Concen: 53.187 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Tgt Ion: 128 Resp: 34046

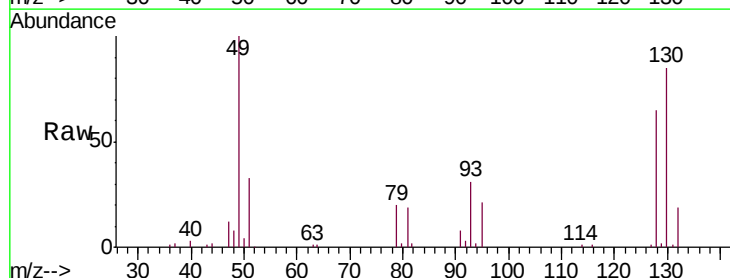
Ion Ratio Lower Upper

128 100

49 154.1 103.7 192.5

130 130.8 92.2 171.2

51 50.3 37.7 56.5

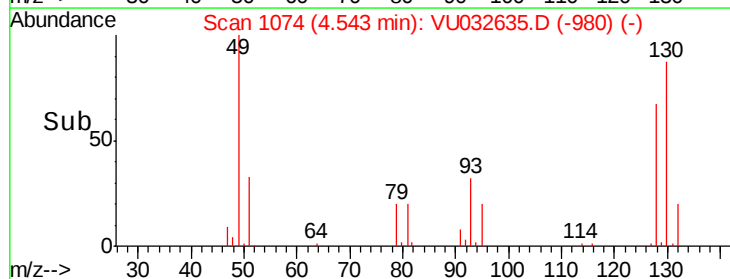
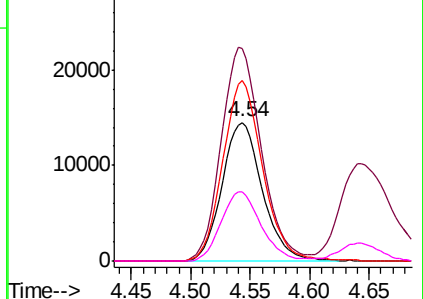


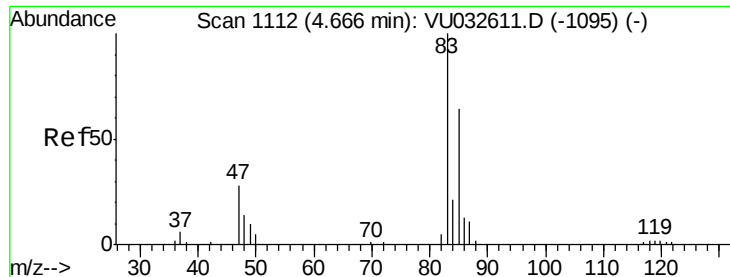
Abundance Ion 128.00 (127.70 to 128.70): VU032611.D (-1060) (-)

Ion 49.00 (48.70 to 49.70): VU032611.D (-1060) (-)

Ion 130.00 (129.70 to 130.70): VU032611.D (-1060) (-)

Ion 51.00 (50.70 to 51.70): VU032611.D (-1060) (-)

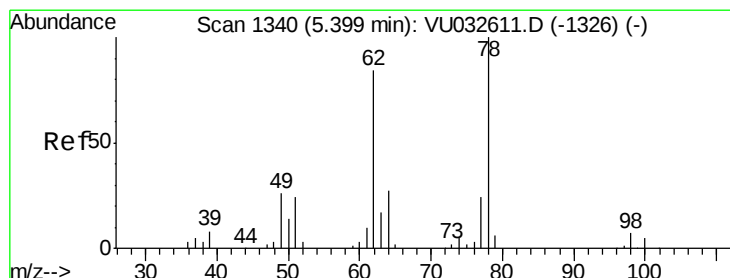
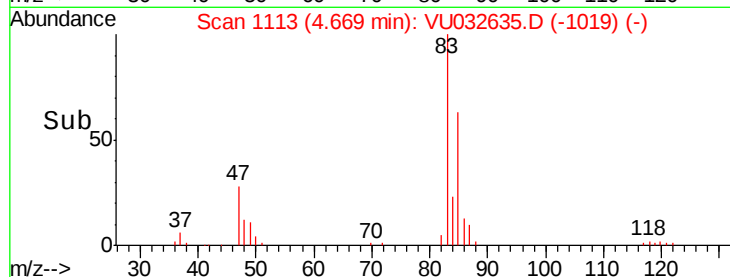
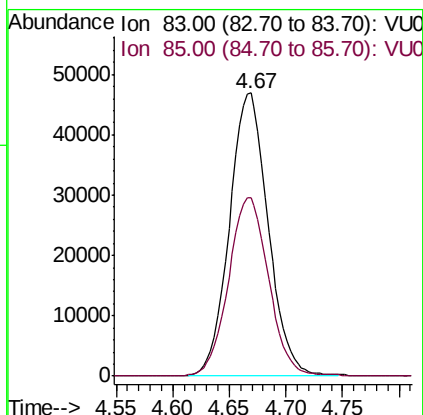
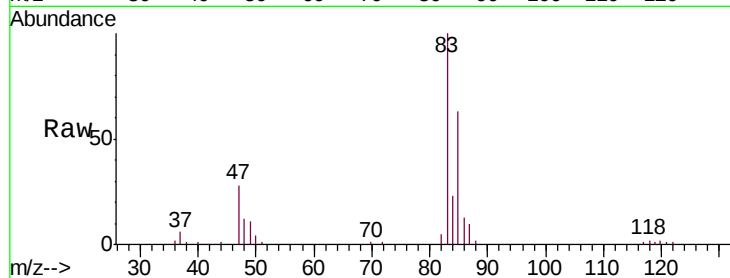




#25
Chloroform
Concen: 54.646 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032635.D
Acq: 12 Jun 2019 01:22

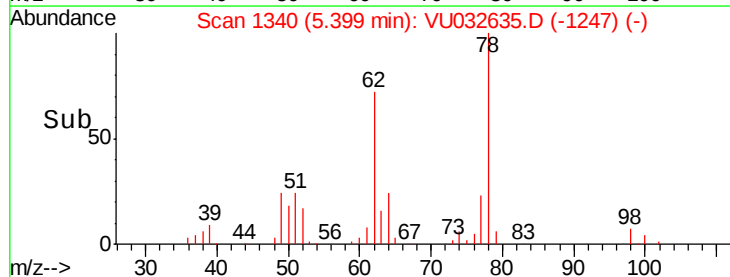
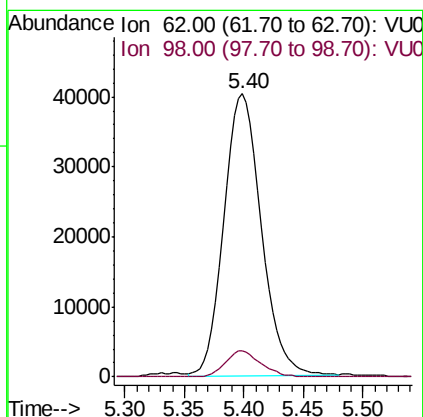
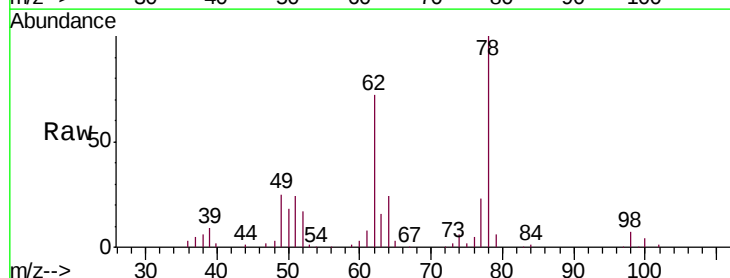
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

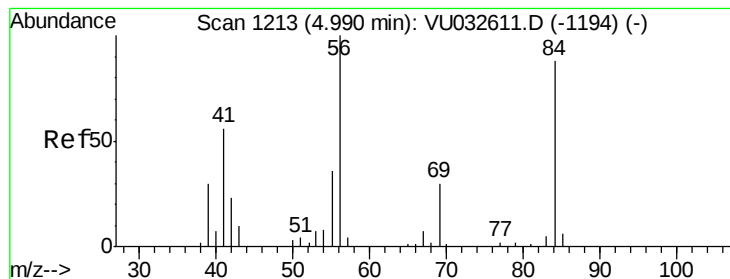
Tgt Ion: 83 Resp: 111829
Ion Ratio Lower Upper
83 100
85 63.1 44.7 82.9



#27
1,2-Dichloroethane
Concen: 54.158 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032635.D
Acq: 12 Jun 2019 01:22

Tgt Ion: 62 Resp: 87616
Ion Ratio Lower Upper
62 100
98 9.3 7.2 10.8





#29

Cyclohexane

Concen: 47.741 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

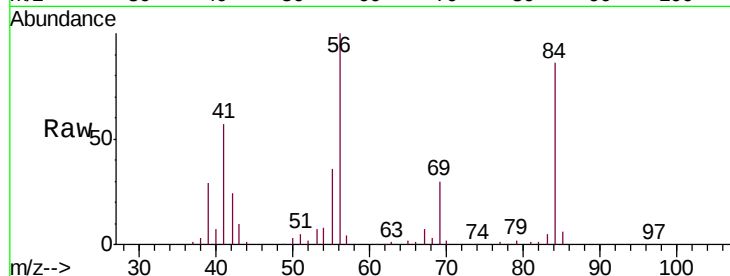
Tgt Ion: 56 Resp: 93077

Ion Ratio Lower Upper

56 100

69 31.0 24.7 37.1

84 86.7 69.0 103.4

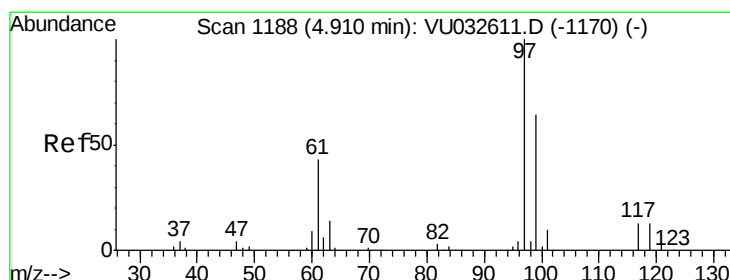
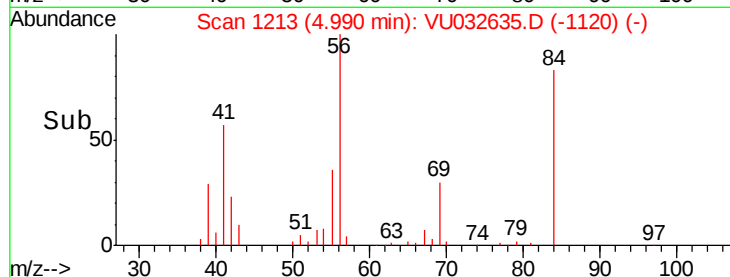
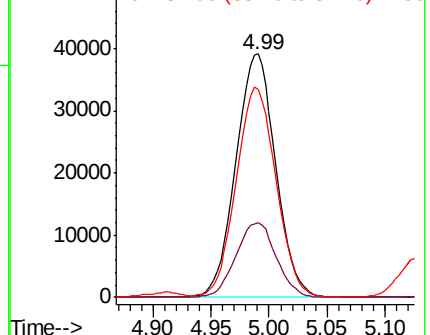


Abundance

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: 51.693 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

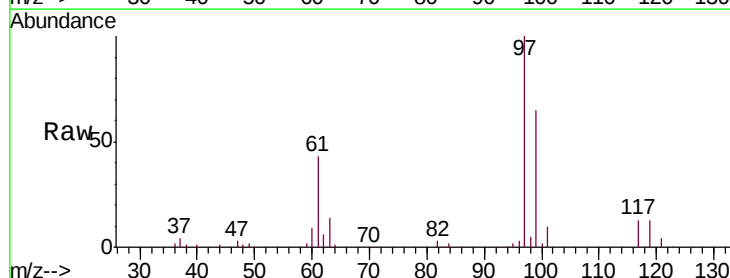
Tgt Ion: 97 Resp: 95919

Ion Ratio Lower Upper

97 100

99 64.4 50.5 75.7

61 44.2 33.8 50.6

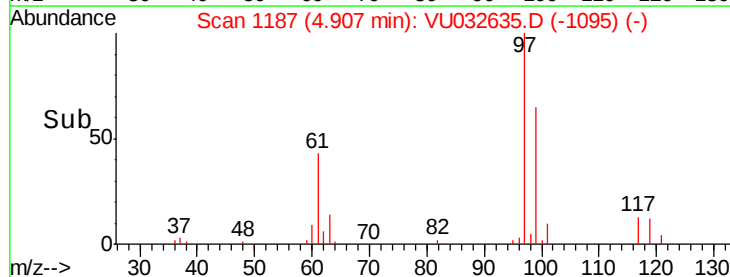
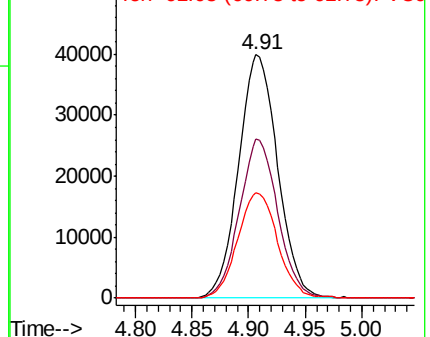


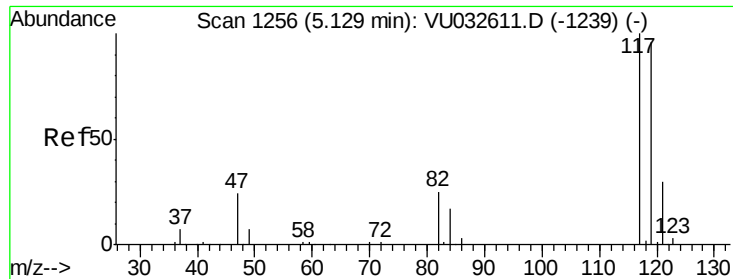
Abundance

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: 51.584 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

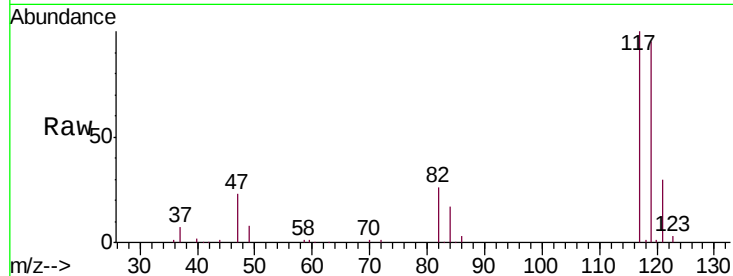
VSTD05045

Tgt Ion:117 Resp: 87726

Ion Ratio Lower Upper

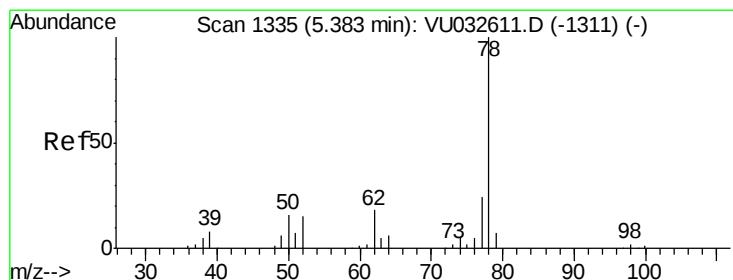
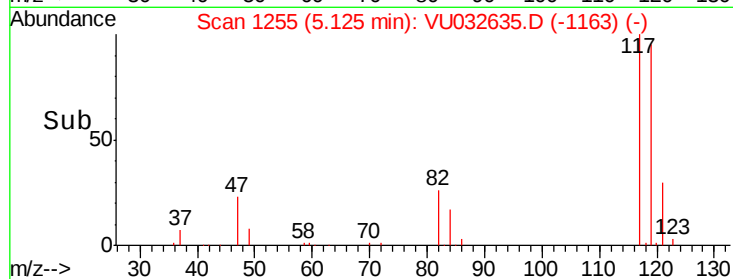
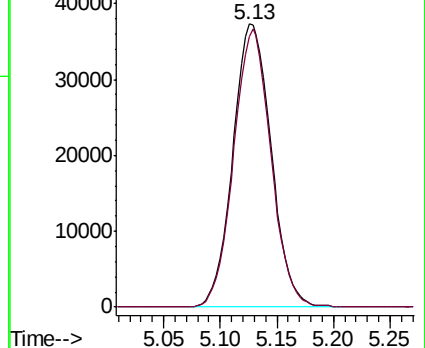
117 100

119 95.6 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: 50.336 ug/L

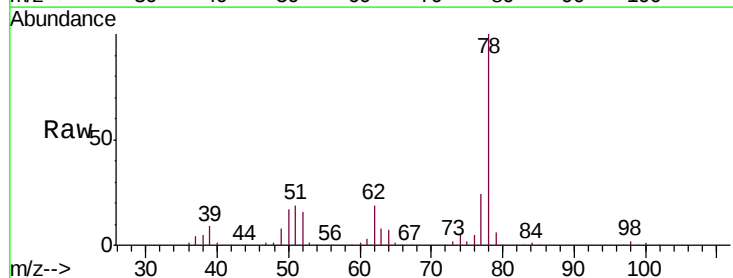
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

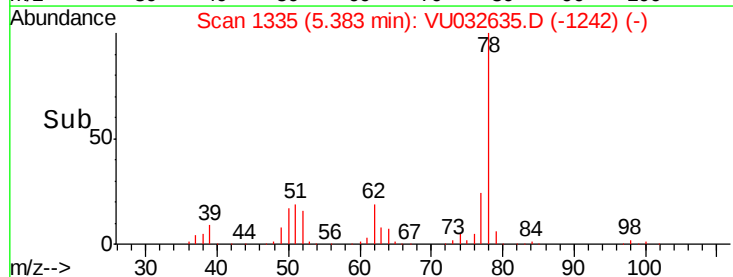
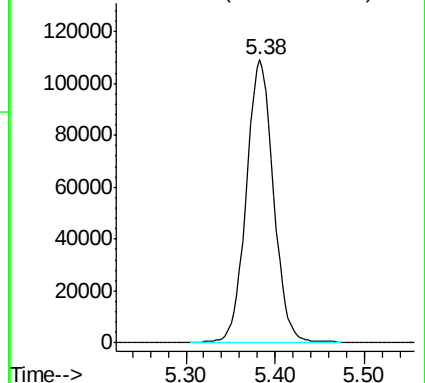
Lab File: VU032635.D

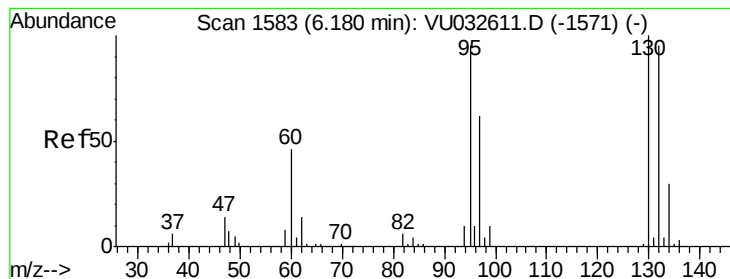
Acq: 12 Jun 2019 01:22

Tgt Ion: 78 Resp: 231814



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.225 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

Tgt Ion: 95 Resp: 64182

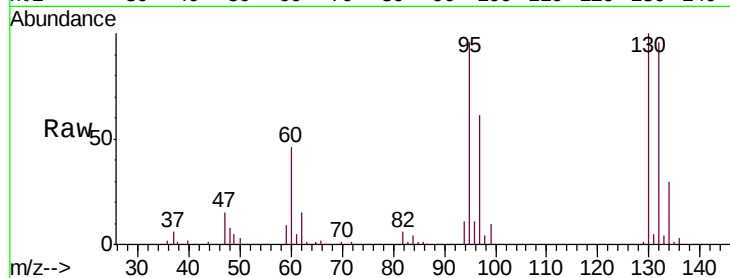
Ion Ratio Lower Upper

95 100

97 63.5 45.8 85.2

132 99.9 71.0 131.8

130 103.7 73.4 136.2

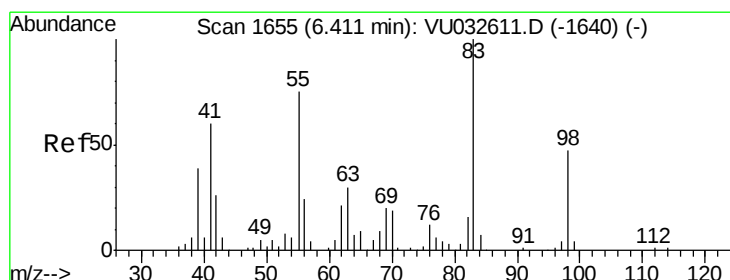
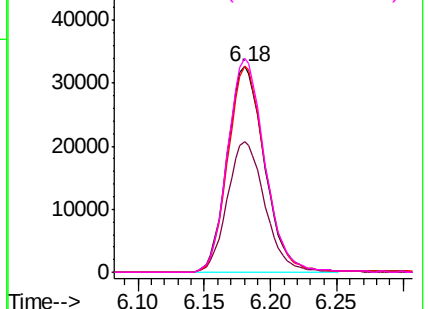
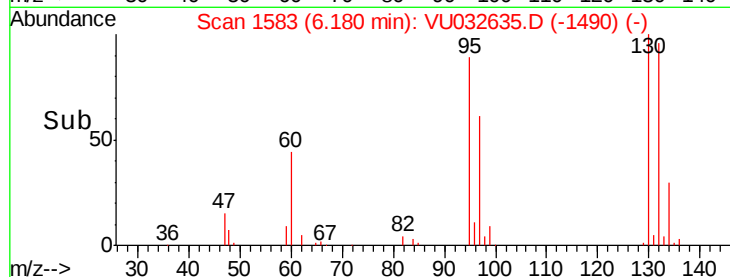


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 46.014 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

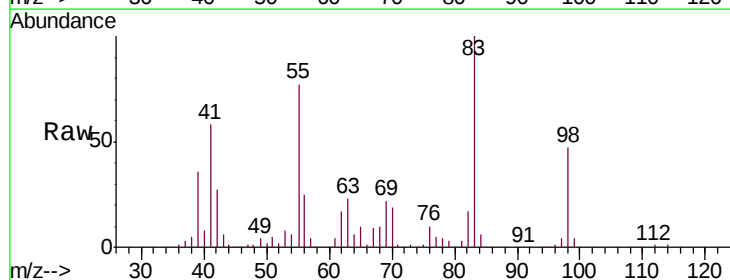
Tgt Ion: 83 Resp: 93334

Ion Ratio Lower Upper

83 100

55 75.9 60.2 90.4

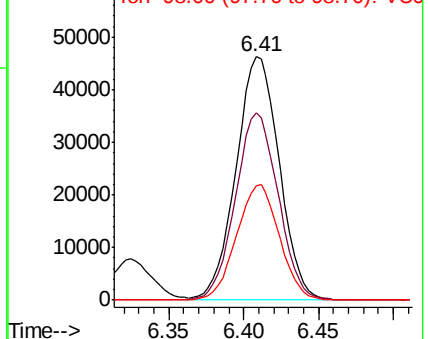
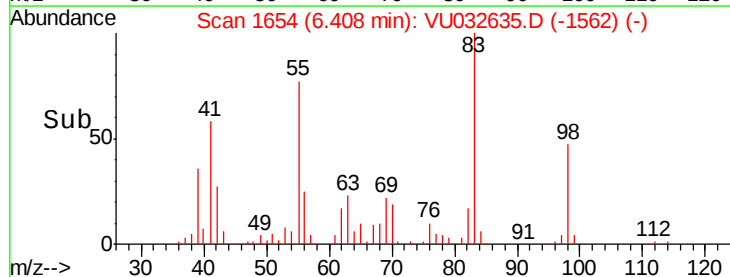
98 46.9 37.4 56.2

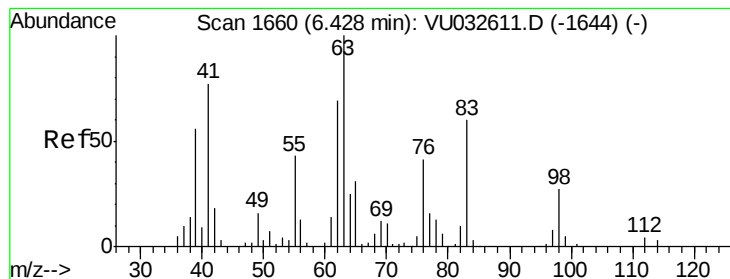


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

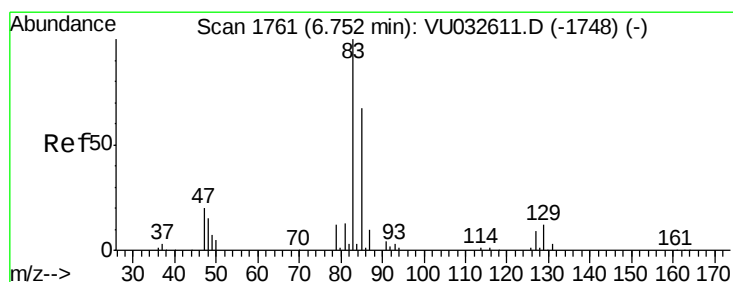
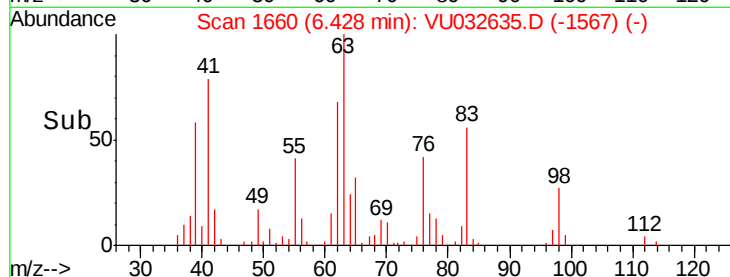
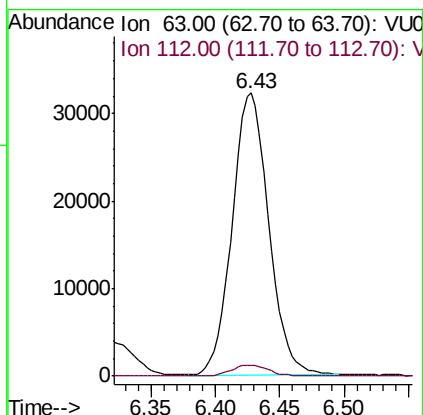
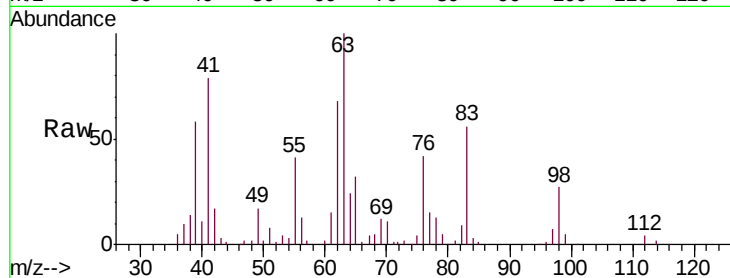




#37
 1,2-Dichloropropane
 Concen: 52.110 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032635.D
 Acq: 12 Jun 2019 01:22

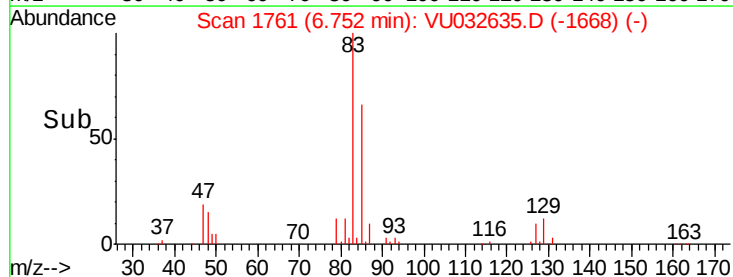
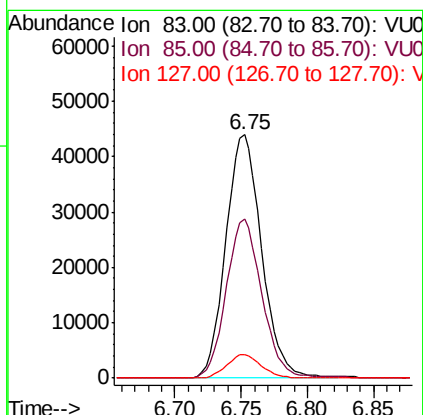
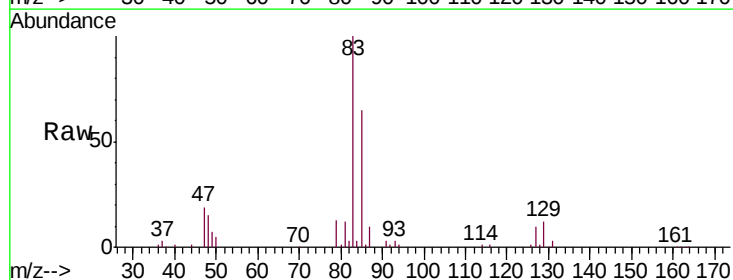
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

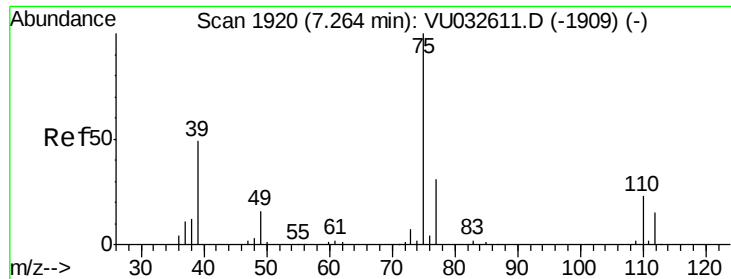
Tgt Ion: 63 Resp: 63617
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 52.596 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032635.D
 Acq: 12 Jun 2019 01:22

Tgt Ion: 83 Resp: 82679
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.4 84.4
 127 9.8 7.4 11.2

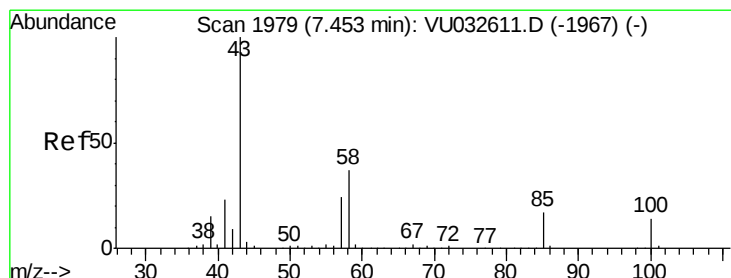
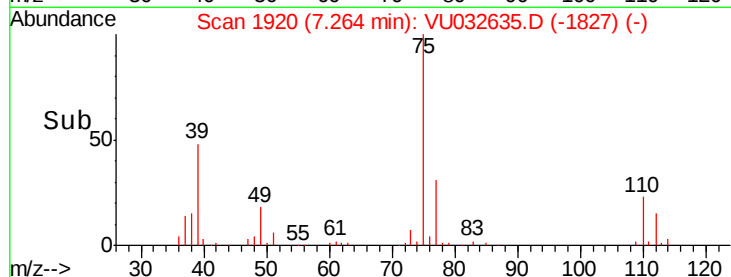
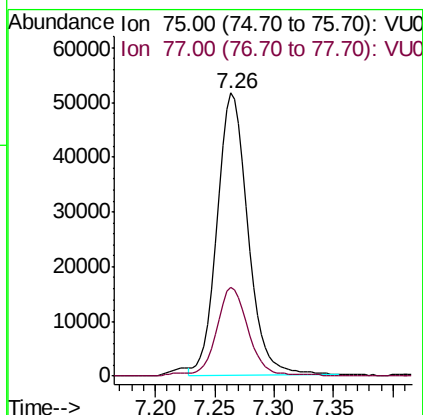
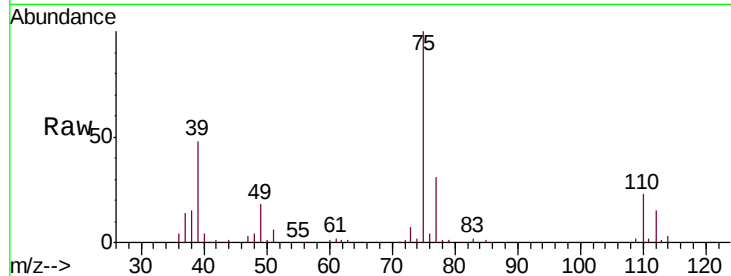




#39
 cis-1,3-Dichloropropene
 Concen: 48.175 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032635.D
 Acq: 12 Jun 2019 01:22

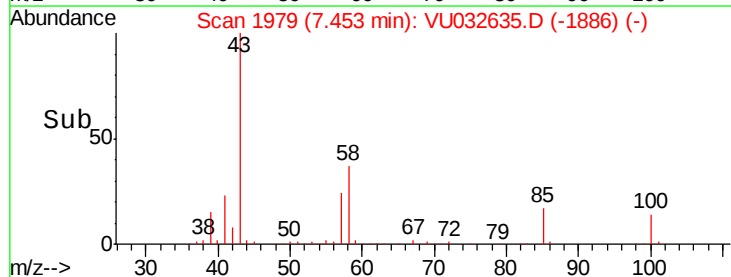
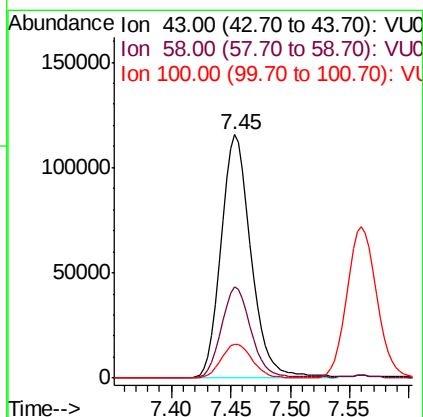
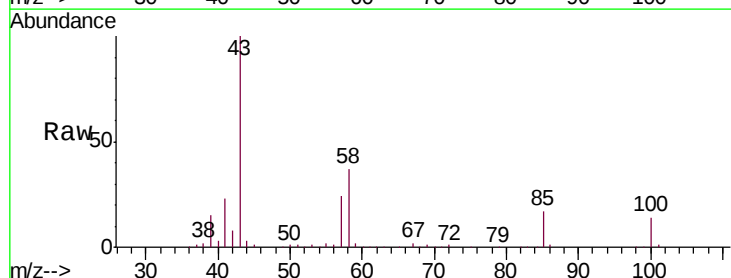
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

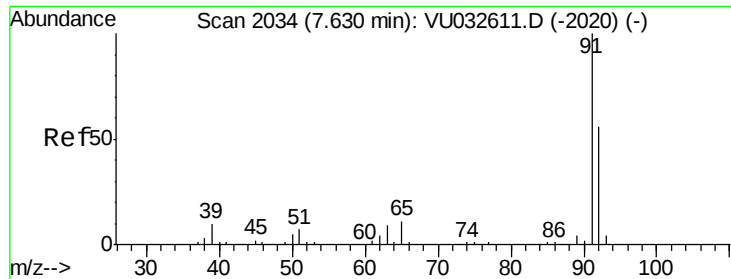
Tgt Ion: 75 Resp: 92793
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 103.313 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032635.D
 Acq: 12 Jun 2019 01:22

Tgt Ion: 43 Resp: 202909
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.8 46.2
 100 14.4 12.1 18.1





#42

Toluene

Concen: 50.531 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

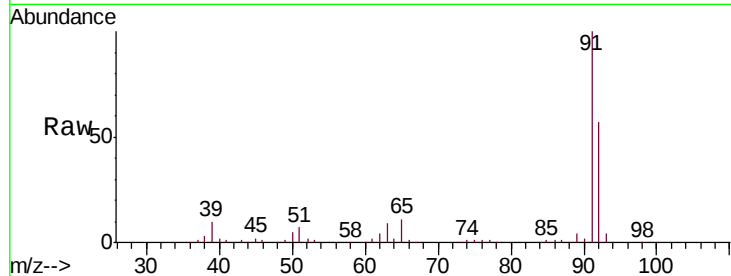
VSTD05045

Tgt Ion: 91 Resp: 254859

Ion Ratio Lower Upper

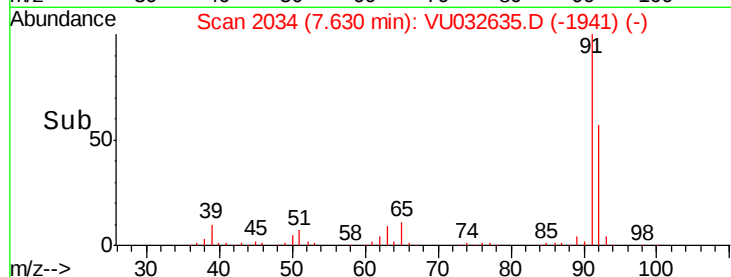
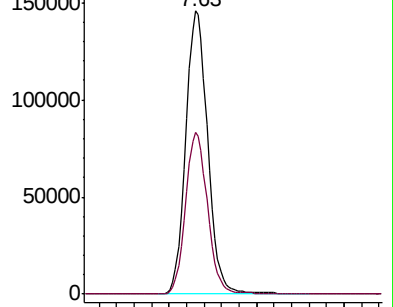
91 100

92 57.1 39.7 73.7

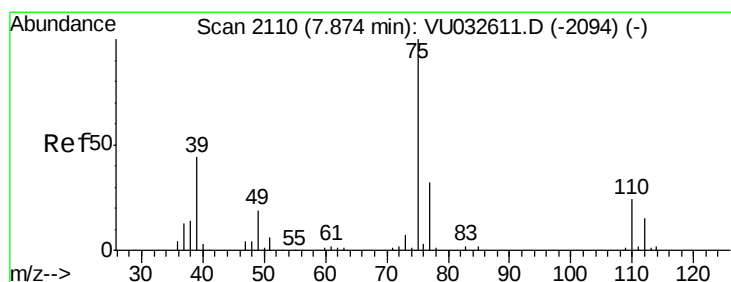


Abundance Ion 91.00 (90.70 to 91.70): VU032611.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032611.D (-2020) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.824 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032635.D

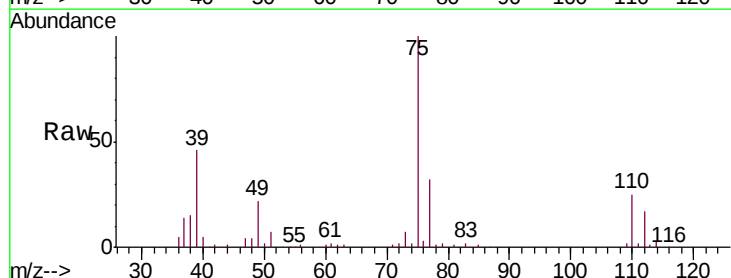
Acq: 12 Jun 2019 01:22

Tgt Ion: 75 Resp: 85183

Ion Ratio Lower Upper

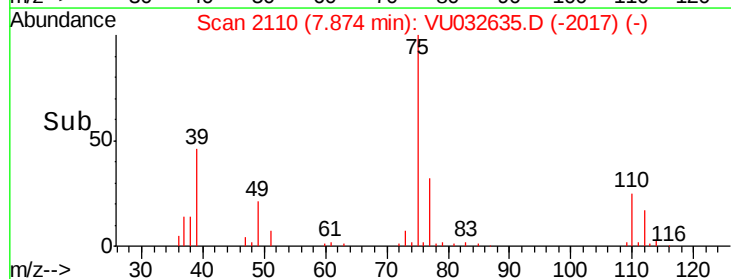
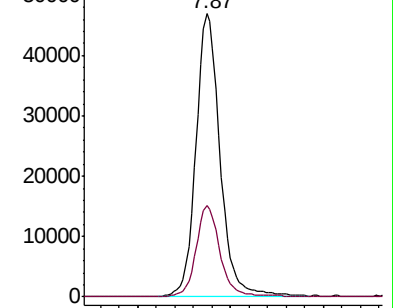
75 100

77 32.1 22.1 41.1

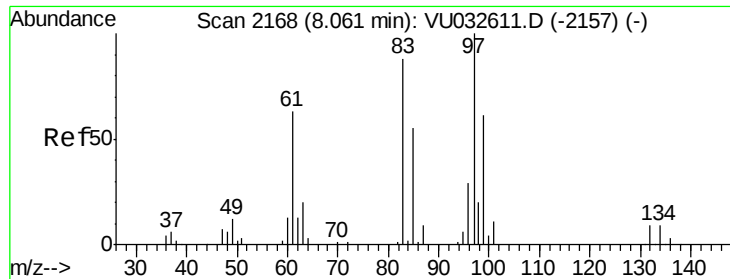


Abundance Ion 75.00 (74.70 to 75.70): VU032611.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032611.D (-2094) (-)



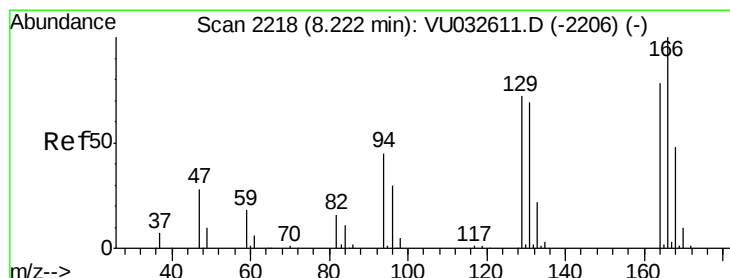
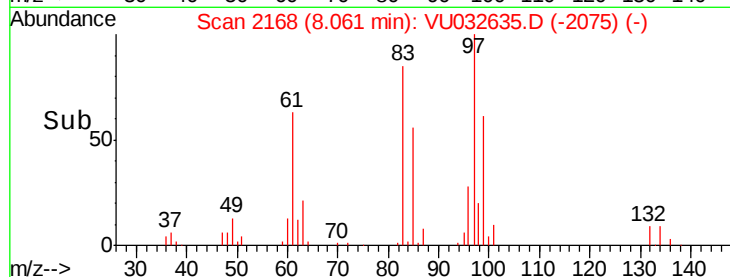
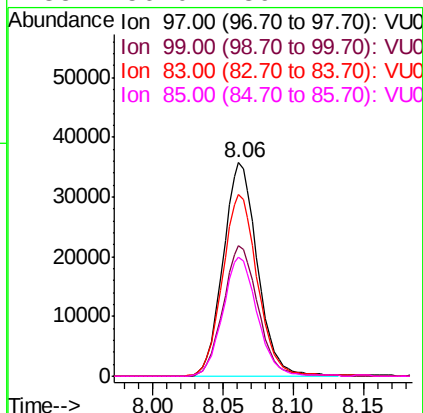
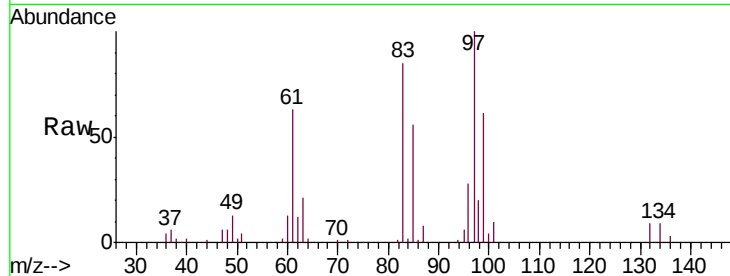
Time-->



#45
 1,1,2-Trichloroethane
 Concen: 52.734 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032635.D
 Acq: 12 Jun 2019 01:22

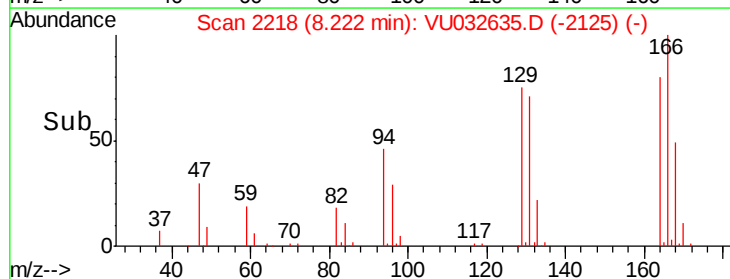
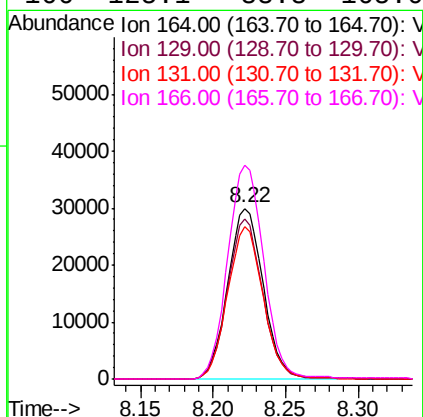
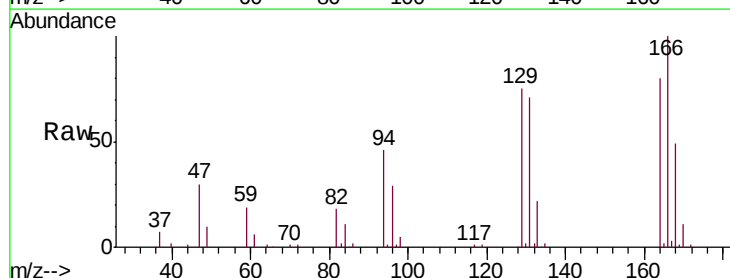
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

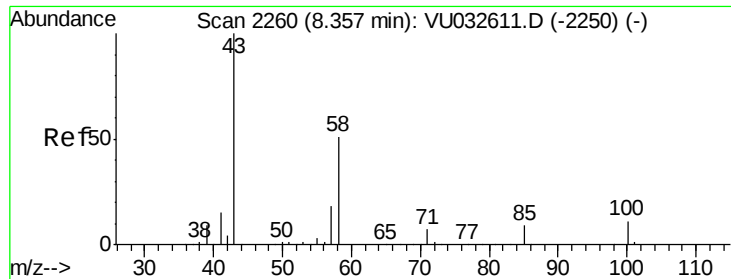
Tgt Ion:	97	Resp:	60879
Ion	Ratio	Lower	Upper
97	100		
99	61.0	44.1	81.9
83	84.8	59.4	110.2
85	56.0	39.1	72.7



#46
 Tetrachloroethene
 Concen: 49.243 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032635.D
 Acq: 12 Jun 2019 01:22

Tgt Ion:	164	Resp:	50958
Ion	Ratio	Lower	Upper
164	100		
129	93.9	65.3	121.3
131	89.2	64.0	119.0
166	125.1	88.8	165.0

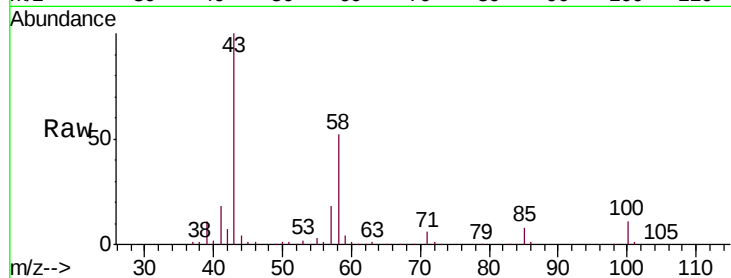




#48
2-Hexanone
Concen: 100.584 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032635.D
Acq: 12 Jun 2019 01:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Tgt Ion:	43	Resp:	162256
Ion	Ratio	Lower	Upper
43	100		
58	51.9	42.0	63.0
57	17.9	14.6	22.0
100	10.9	9.2	13.8

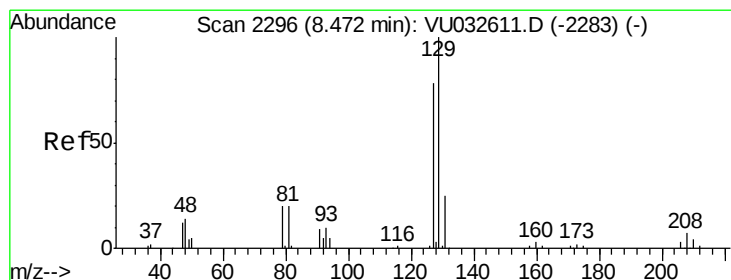
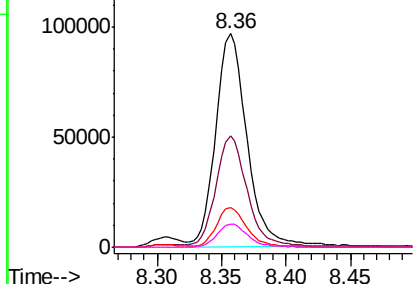
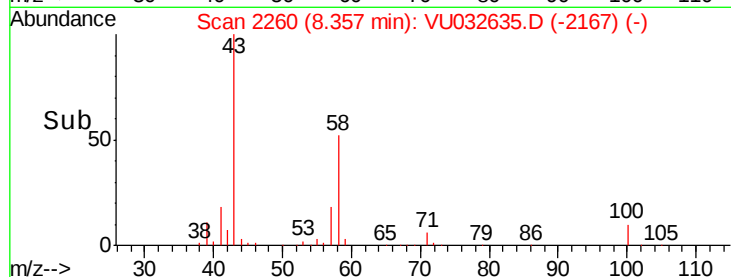


Abundance Ion 43.00 (42.70 to 43.70): VU032635.D (-2167) (-)

Ion 58.00 (57.70 to 58.70): VU032635.D (-2167) (-)

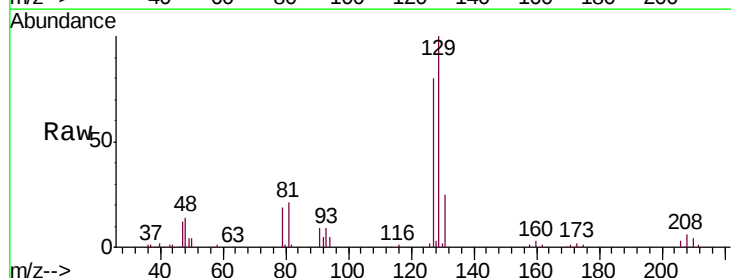
Ion 57.00 (56.70 to 57.70): VU032635.D (-2167) (-)

Ion 100.00 (99.70 to 100.70): VU032635.D (-2167) (-)



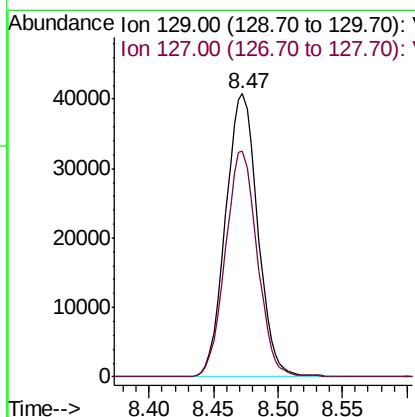
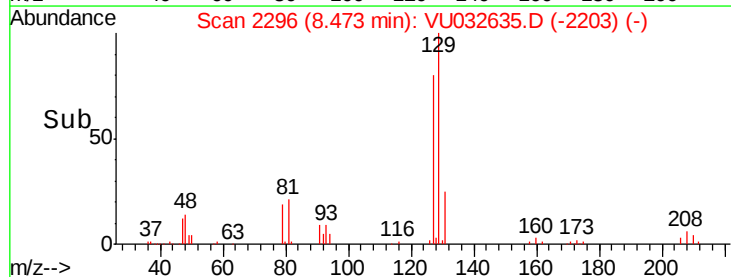
#49
Dibromochloromethane
Concen: 52.746 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032635.D
Acq: 12 Jun 2019 01:22

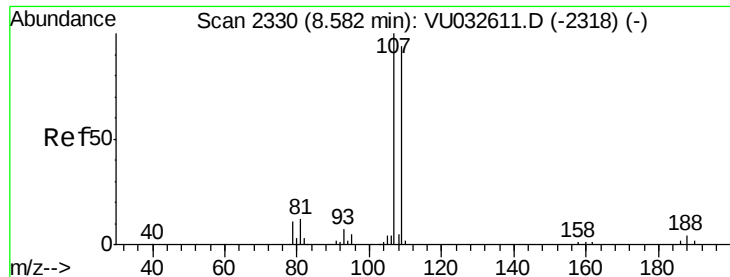
Tgt Ion:	129	Resp:	70778
Ion	Ratio	Lower	Upper
129	100		
127	79.9	53.6	99.6



Abundance Ion 129.00 (128.70 to 129.70): VU032635.D (-2203) (-)

Ion 127.00 (126.70 to 127.70): VU032635.D (-2203) (-)

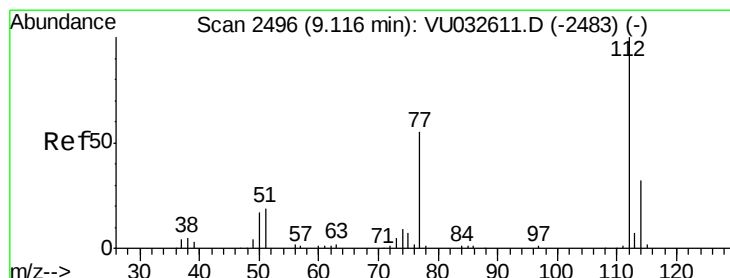
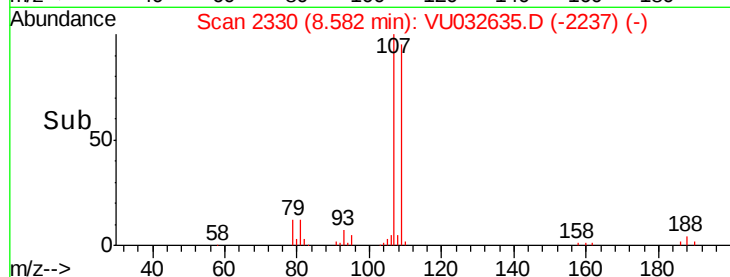
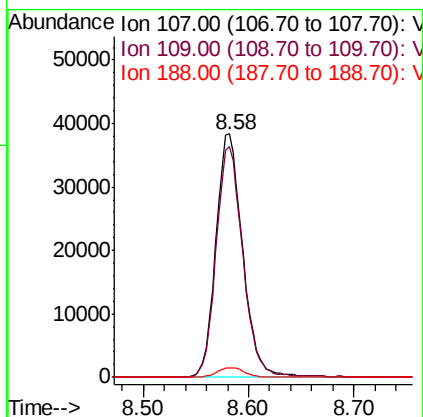
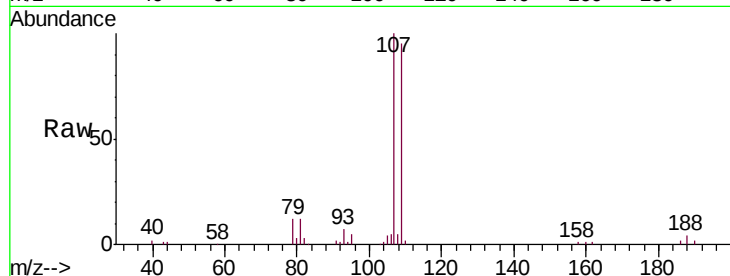




#50
1,2-Dibromoethane
Concen: 51.825 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032635.D
Acq: 12 Jun 2019 01:22

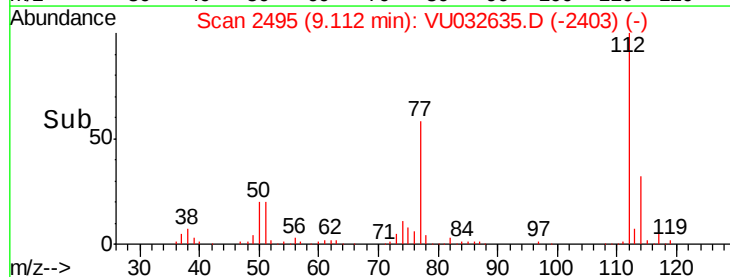
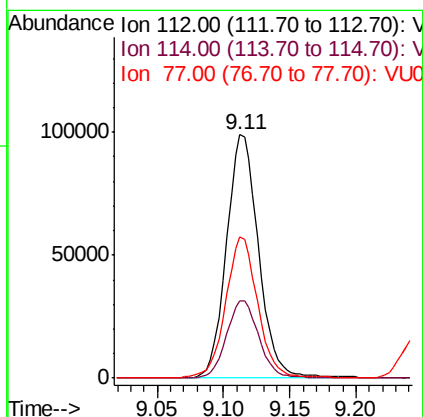
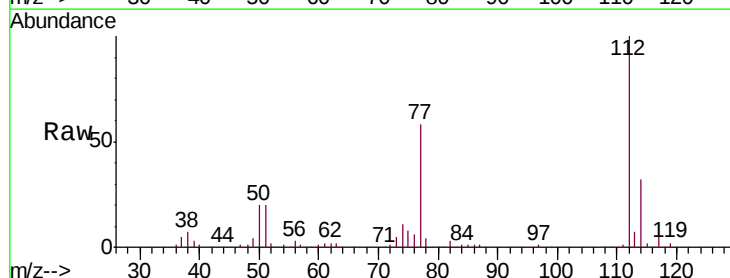
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

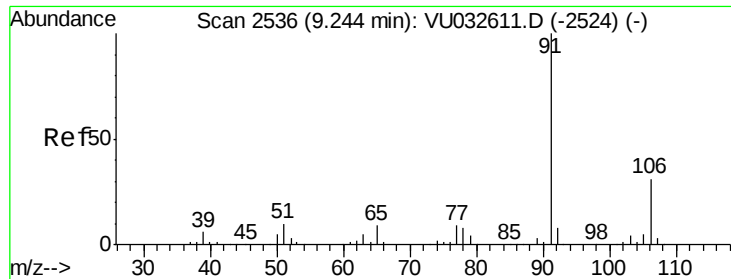
Tgt Ion:107 Resp: 67344
Ion Ratio Lower Upper
107 100
109 95.0 66.8 124.0
188 4.1 3.1 4.7



#51
Chlorobenzene
Concen: 51.208 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032635.D
Acq: 12 Jun 2019 01:22

Tgt Ion:112 Resp: 166397
Ion Ratio Lower Upper
112 100
114 31.7 22.6 42.0
77 57.7 46.1 69.1





#52

Ethylbenzene

Concen: 49.592 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

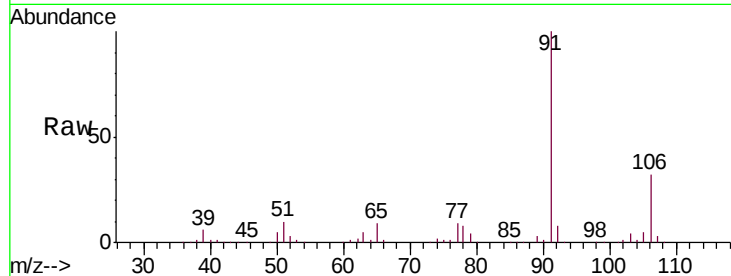
VSTD05045

Tgt Ion: 91 Resp: 278804

Ion Ratio Lower Upper

91 100

106 31.8 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032611.D (-2524) (-)

Ion 106.00 (105.70 to 106.70): VU032611.D (-2524) (-)

200000

150000

100000

50000

0

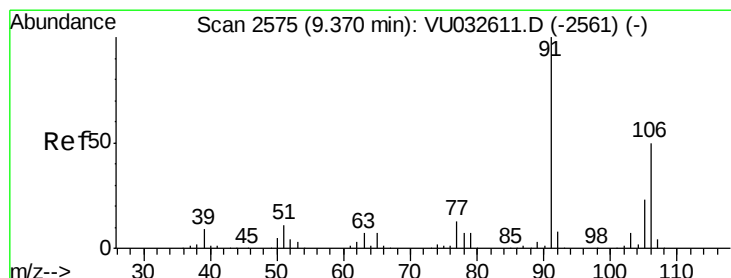
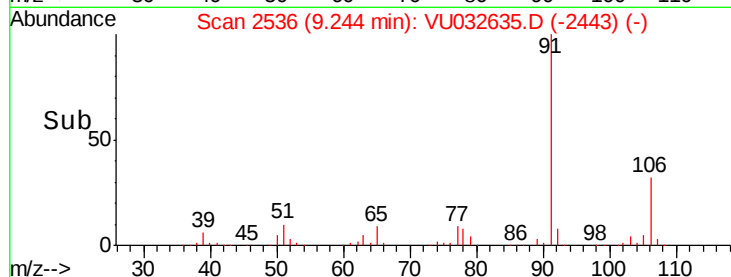
9.24

9.25

9.30

9.35

Time-->



#53

m,p-Xylene

Concen: 49.144 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032635.D

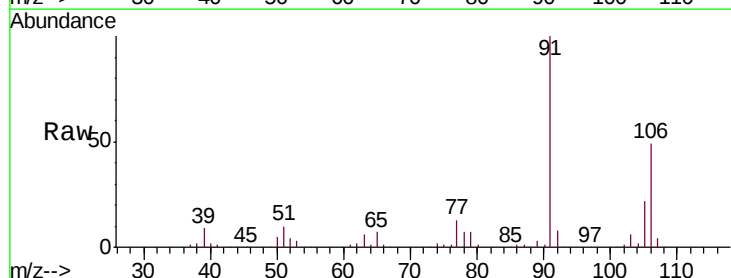
Acq: 12 Jun 2019 01:22

Tgt Ion: 106 Resp: 105058

Ion Ratio Lower Upper

106 100

91 204.3 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032611.D (-2561) (-)

Ion 91.00 (90.70 to 91.70): VU032611.D (-2561) (-)

150000

100000

50000

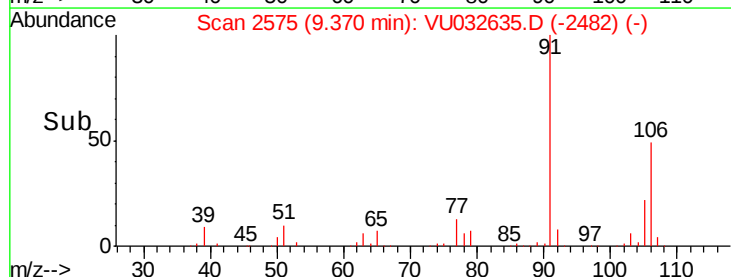
0

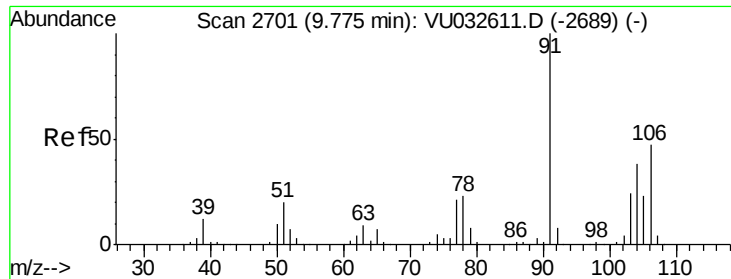
9.37

9.40

9.45

Time-->

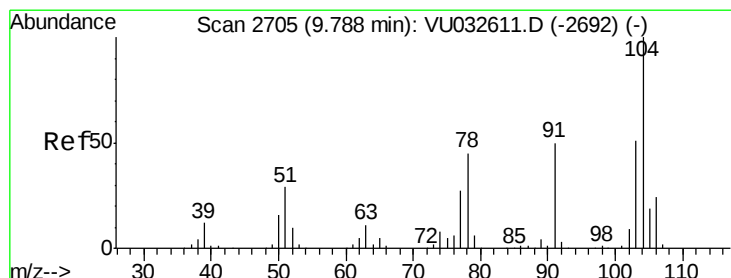
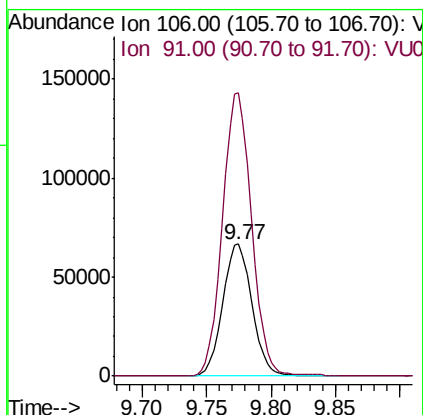
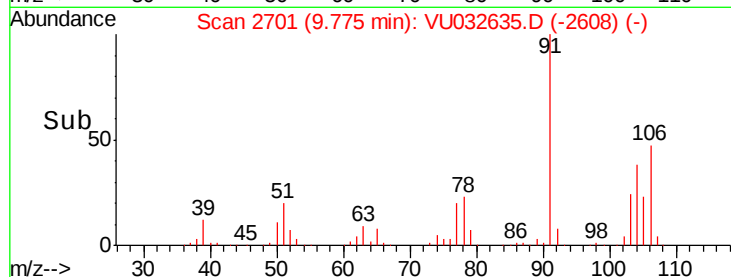
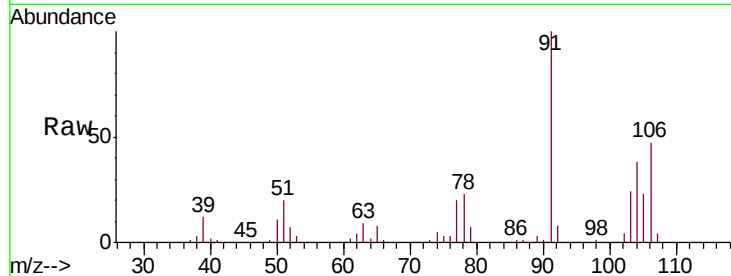




#54
o-xylene
Concen: 49.514 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032635.D
Acq: 12 Jun 2019 01:22

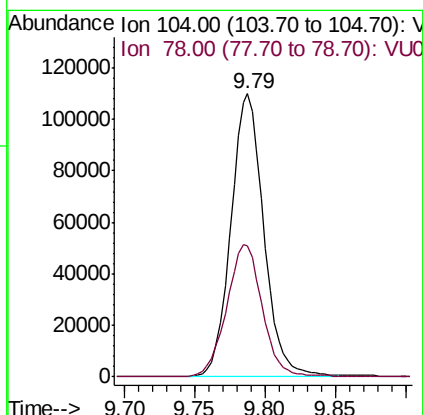
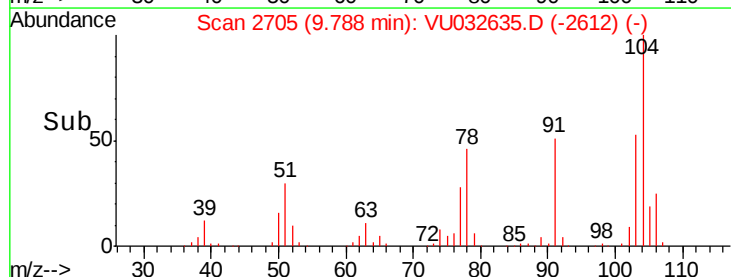
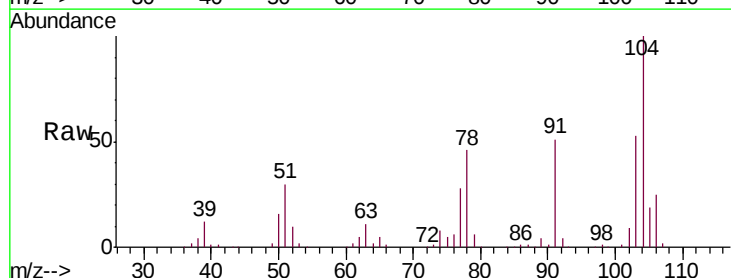
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

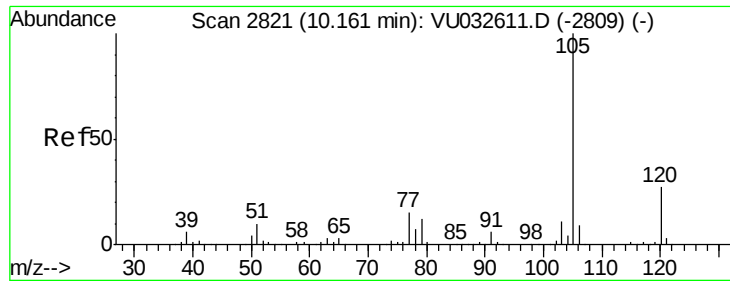
Tgt Ion:106 Resp: 105095
Ion Ratio Lower Upper
106 100
91 214.4 150.1 278.7



#55
Styrene
Concen: 50.686 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032635.D
Acq: 12 Jun 2019 01:22

Tgt Ion:104 Resp: 179602
Ion Ratio Lower Upper
104 100
78 46.5 31.6 58.6





#56

Isopropylbenzene

Concen: 49.677 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

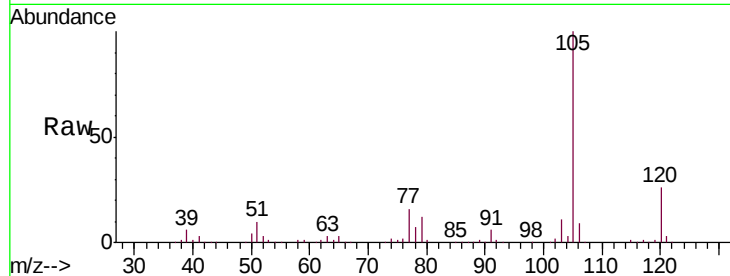
Tgt Ion:105 Resp: 278036

Ion Ratio Lower Upper

105 100

120 26.4 21.6 32.4

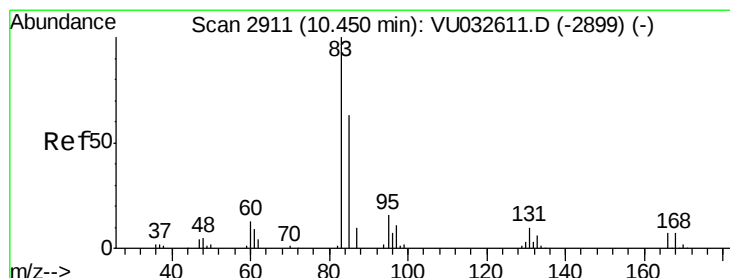
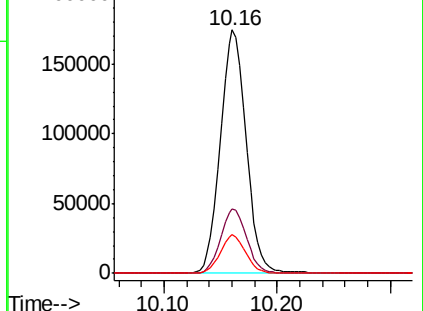
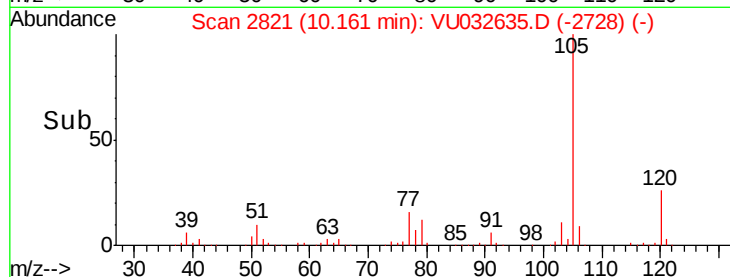
77 15.6 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.268 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

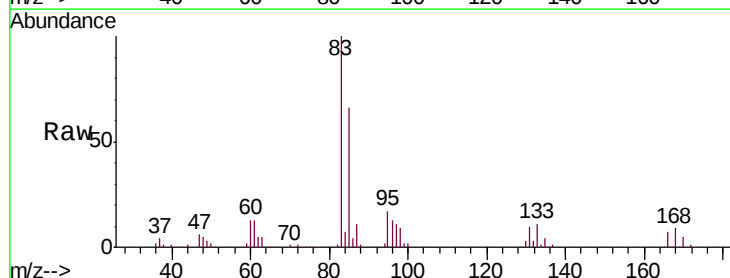
Tgt Ion: 83 Resp: 101157

Ion Ratio Lower Upper

83 100

85 66.2 45.1 83.7

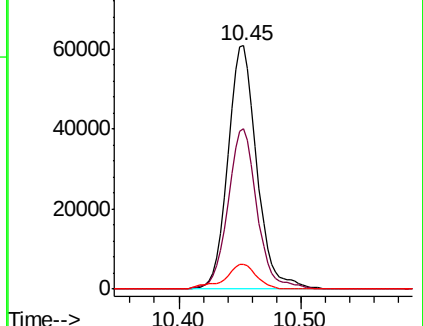
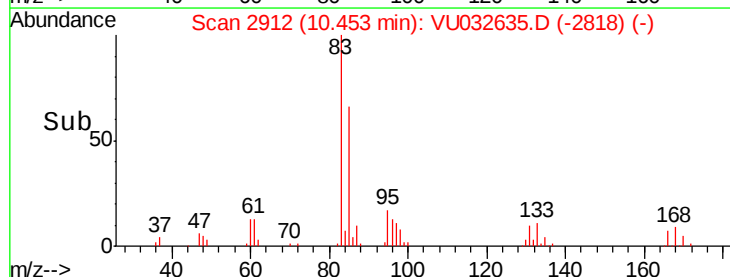
131 10.4 7.9 11.9

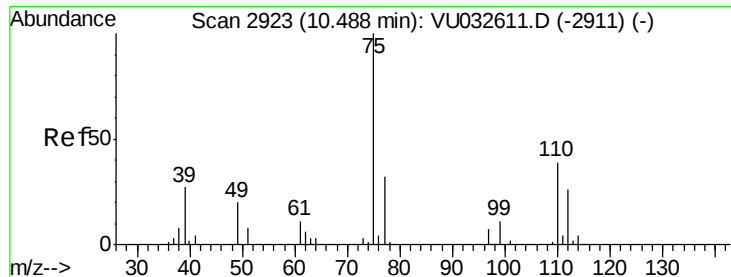


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

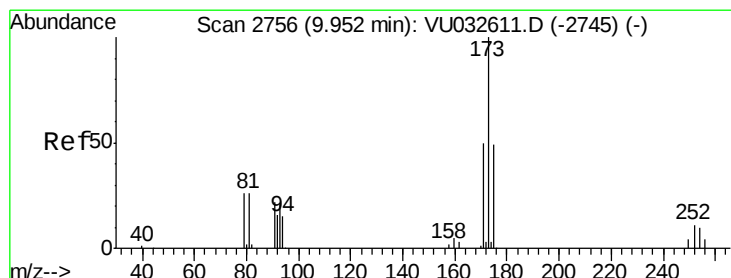
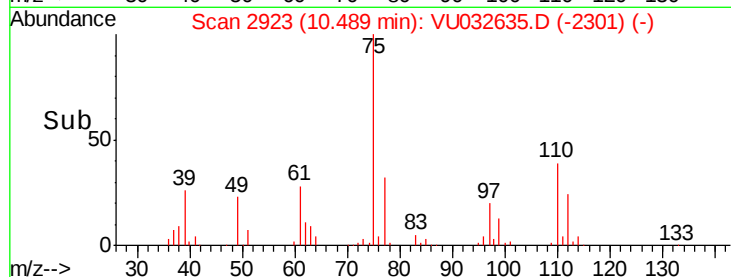
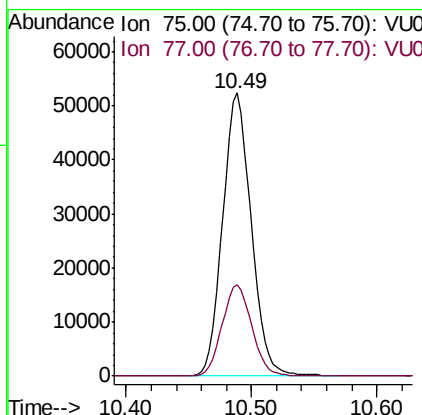
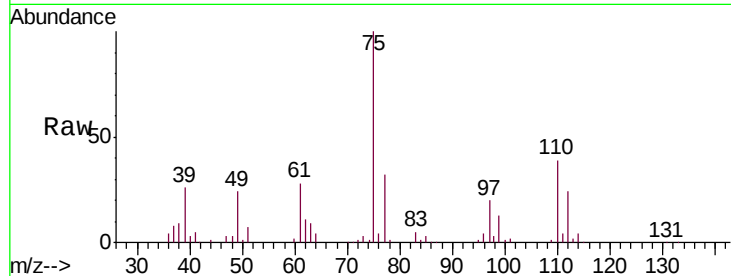




#59
 1,2,3-Trichloropropane
 Concen: 52.205 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032635.D
 Acq: 12 Jun 2019 01:22

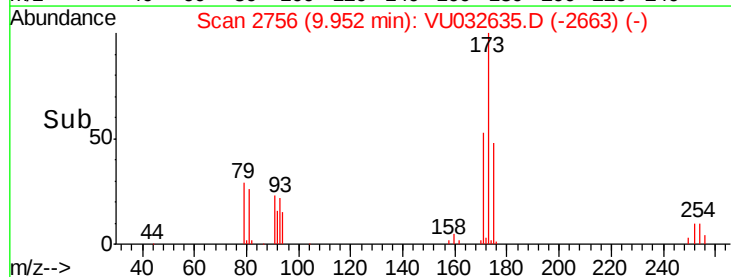
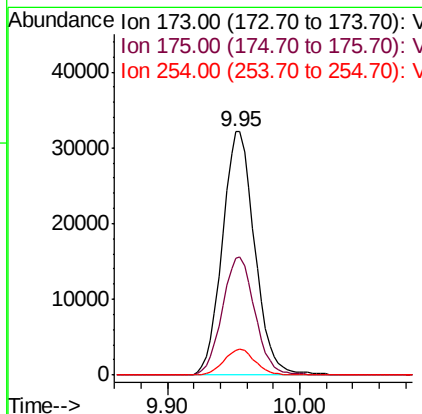
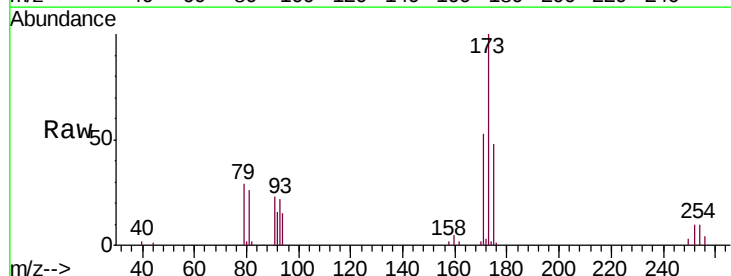
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

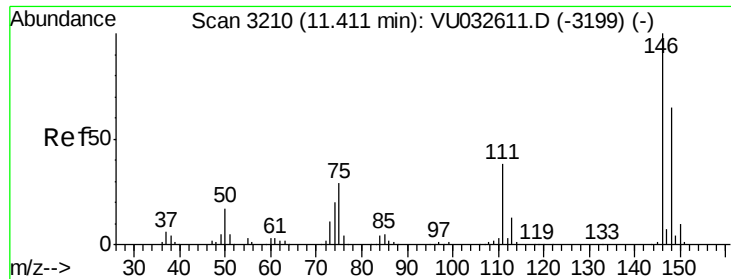
Tgt Ion: 75 Resp: 82851
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.6 38.4



#61
 Bromoform
 Concen: 52.722 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VU032635.D
 Acq: 12 Jun 2019 01:22

Tgt Ion: 173 Resp: 54547
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.7 59.5
 254 10.0 7.8 11.8

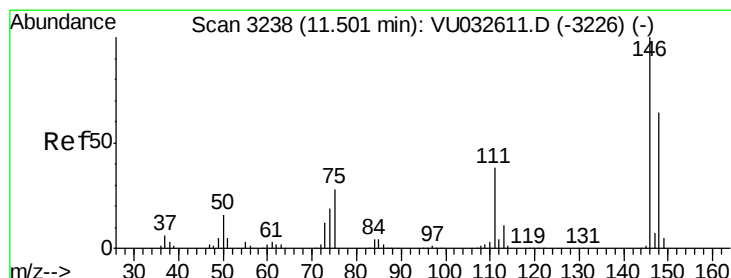
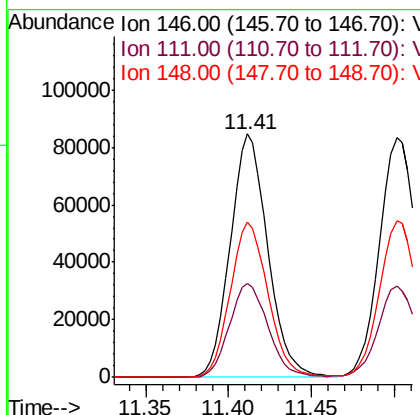
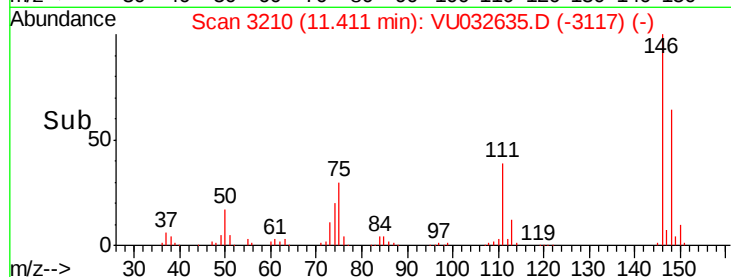
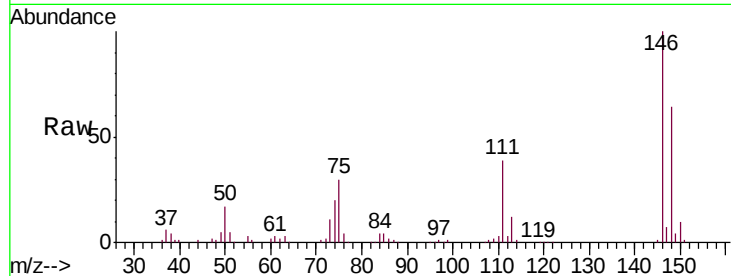




#62
 1,3-Dichlorobenzene
 Concen: 50.741 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032635.D
 Acq: 12 Jun 2019 01:22

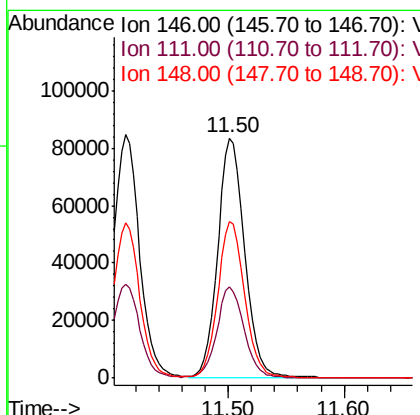
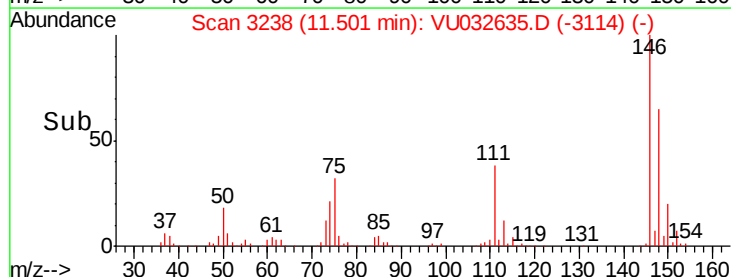
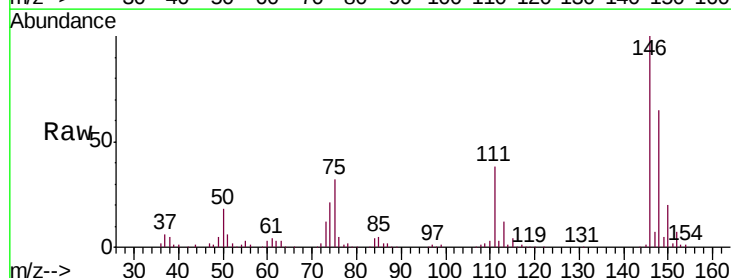
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

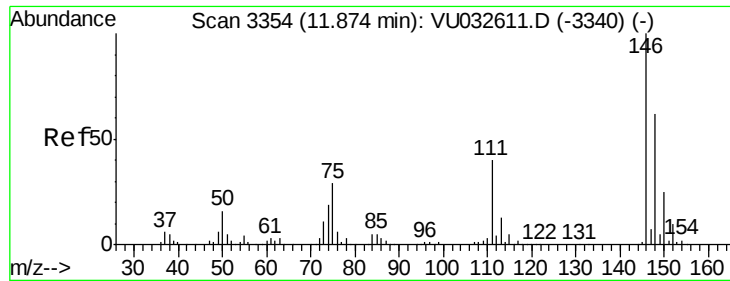
Tgt Ion:146 Resp: 133215
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.3 50.7
 148 63.7 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 50.033 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032635.D
 Acq: 12 Jun 2019 01:22

Tgt Ion:146 Resp: 134292
 Ion Ratio Lower Upper
 146 100
 111 37.9 26.6 49.4
 148 65.4 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 51.256 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

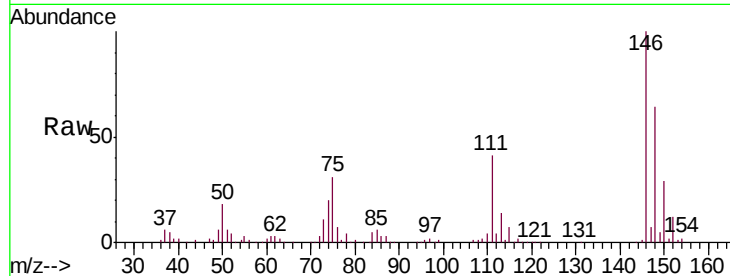
Tgt Ion:146 Resp: 136050

Ion Ratio Lower Upper

146 100

111 40.8 32.6 48.8

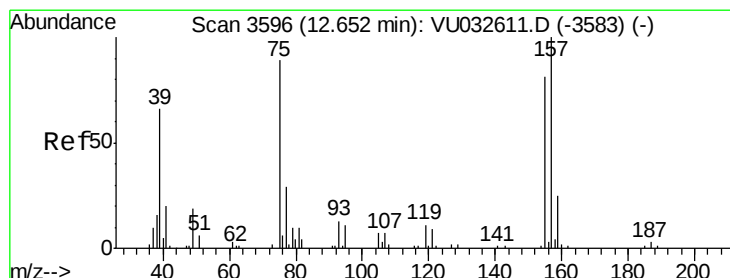
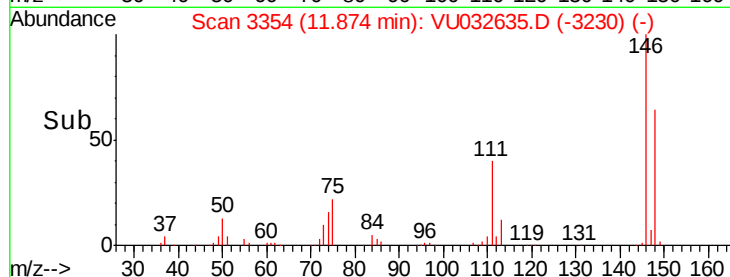
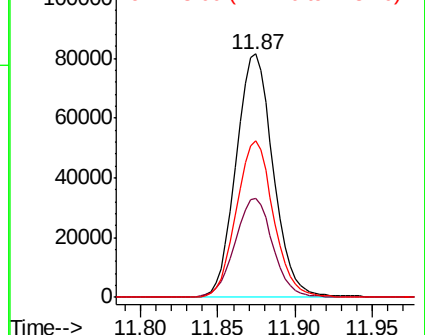
148 64.4 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 54.751 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

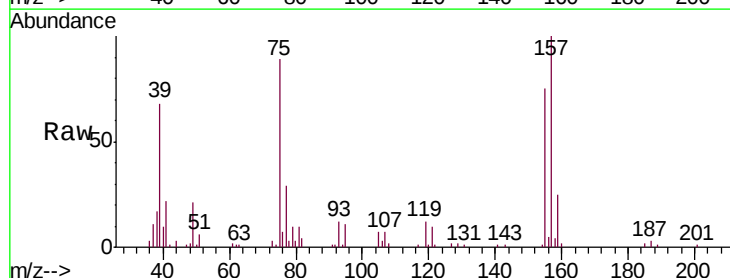
Tgt Ion: 75 Resp: 24451

Ion Ratio Lower Upper

75 100

155 84.2 73.1 109.7

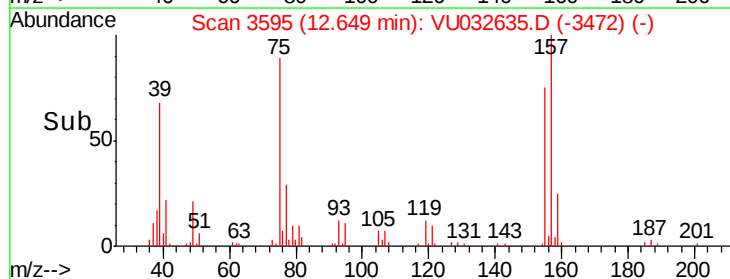
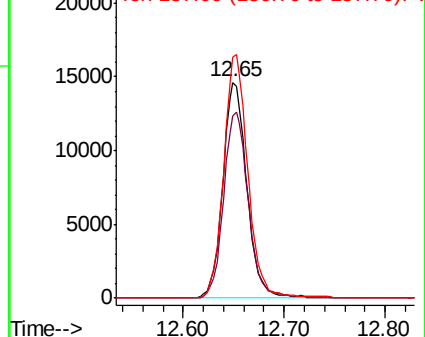
157 111.8 91.4 137.2

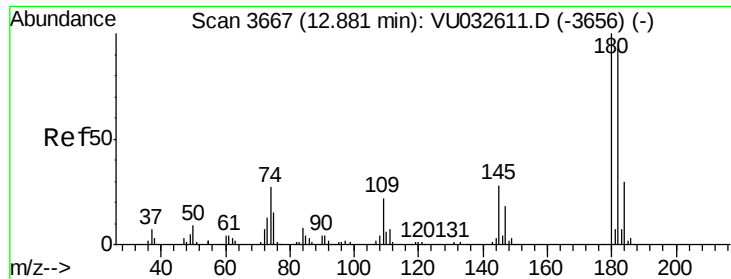


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

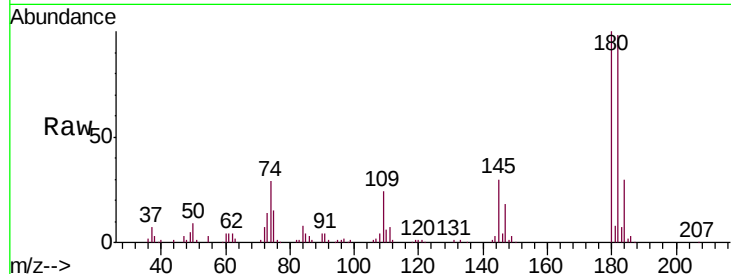




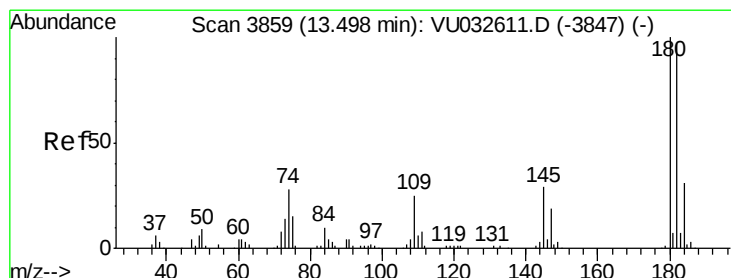
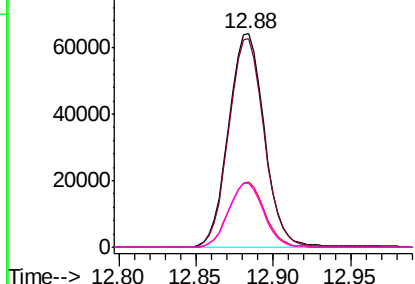
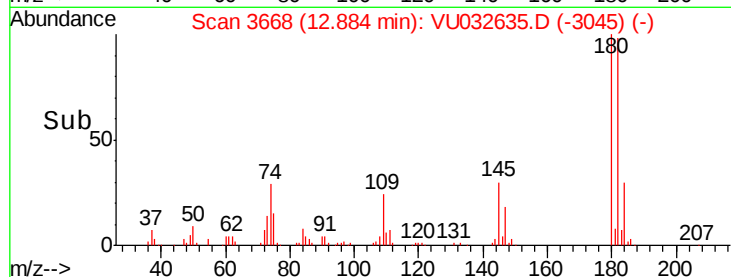
#67
 1,3,5-Trichlorobenzene
 Concen: 50.422 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032635.D
 Acq: 12 Jun 2019 01:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion:	180	Resp:	102993
Ion	Ratio	Lower	Upper
180	100		
182	97.0	78.2	117.4
184	30.3	24.2	36.2
145	29.4	23.9	35.9

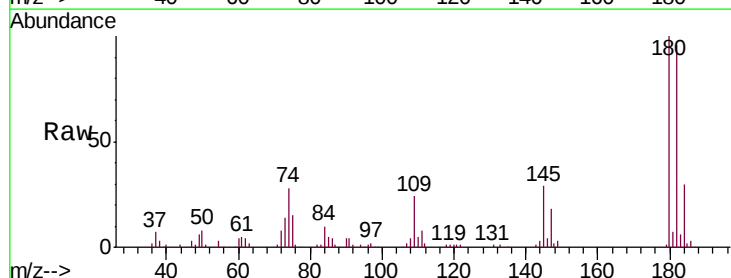


Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

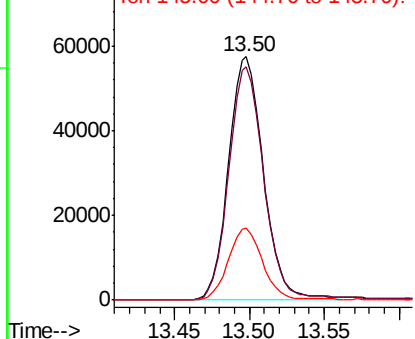
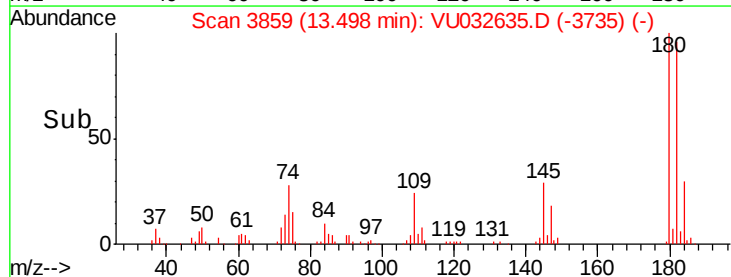


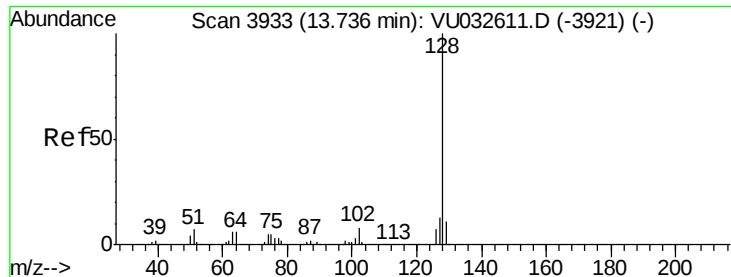
#68
 1,2,4-trichlorobenzene
 Concen: 54.137 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032635.D
 Acq: 12 Jun 2019 01:22

Tgt Ion:	180	Resp:	93682
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.5	114.7
145	28.9	23.8	35.6



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





#69

Naphthalene

Concen: 54.037 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

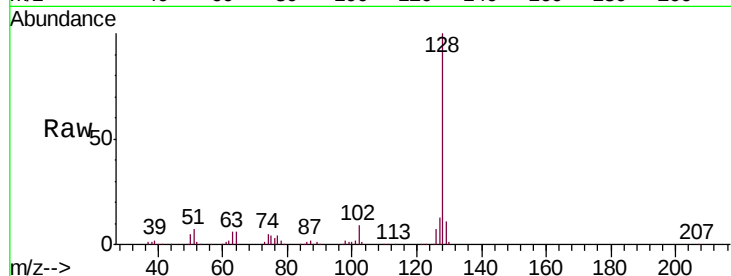
Tgt Ion:128 Resp: 294953

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

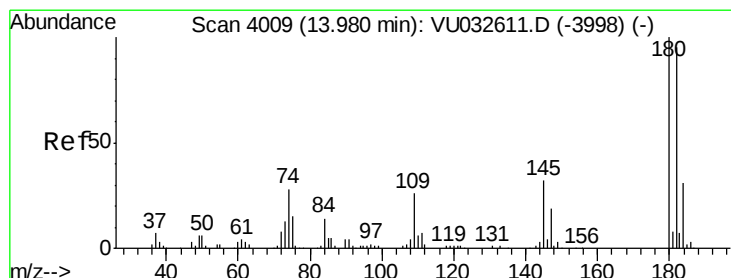
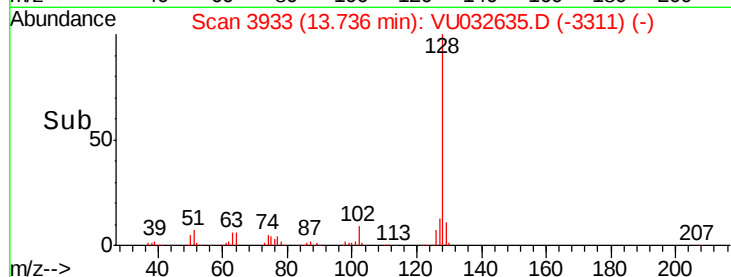
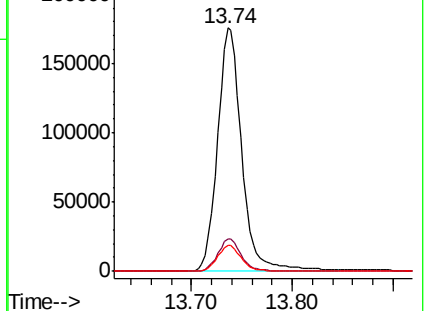
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 56.067 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU032635.D

Acq: 12 Jun 2019 01:22

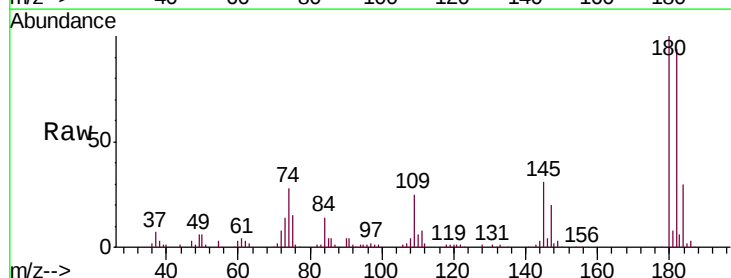
Tgt Ion:180 Resp: 100973

Ion Ratio Lower Upper

180 100

182 93.9 76.7 115.1

145 30.4 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

