

Data File : VU032637.D
Acq On : 12 Jun 2019 09:30
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Quant Time: Jun 13 04:54:01 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	167604	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	159324	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	85223	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	52640	48.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.82%
7) Chloroethane-d5	1.67	69	43170	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.27	63	107737	50.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.20%
21) 2-Butanone-d5	4.17	46	95056	104.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.46%
24) Chloroform-d	4.64	84	109379	53.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.86%
26) 1,2-Dichloroethane-d4	5.30	65	69157	54.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.26%
32) Benzene-d6	5.33	84	209378	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.24%
36) 1,2-Dichloropropane-d6	6.32	67	66774	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.98%
41) Toluene-d8	7.56	98	196778	50.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.34%
43) trans-1,3-Dichloropropene-	7.85	79	32080	51.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.38%
47) 2-Hexanone-d5	8.31	63	54661	86.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.89%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	96913	51.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.14%
64) 1,2-Dichlorobenzene-d4	11.85	152	82951	50.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	77362	51.200	ug/L 100
3) Chloromethane	1.32	50	67172	46.007	ug/L 99
5) Vinyl chloride	1.40	62	69899	47.926	ug/L 99
6) Bromomethane	1.62	94	34587	39.794	ug/L 97
8) Chloroethane	1.69	64	40744	46.998	ug/L 97
9) Trichlorofluoromethane	1.88	101	101189	51.380	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	55849	54.527	ug/L 99
12) 1,1-Dichloroethene	2.28	96	51559	51.843	ug/L 95
13) Acetone	2.31	43	96601	102.882	ug/L 97
14) Carbon disulfide	2.47	76	148048	48.994	ug/L 100
15) Methyl Acetate	2.61	43	69949	52.178	ug/L 100
16) Methylene chloride	2.69	84	58597	51.637	ug/L 98
17) trans-1,2-Dichloroethene	2.97	96	54622	50.684	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	180266	50.915	ug/L 99
19) 1,1-Dichloroethane	3.44	63	103389	52.625	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	62158	50.963	ug/L 95
22) 2-Butanone	4.25	43	113031	101.854	ug/L 100

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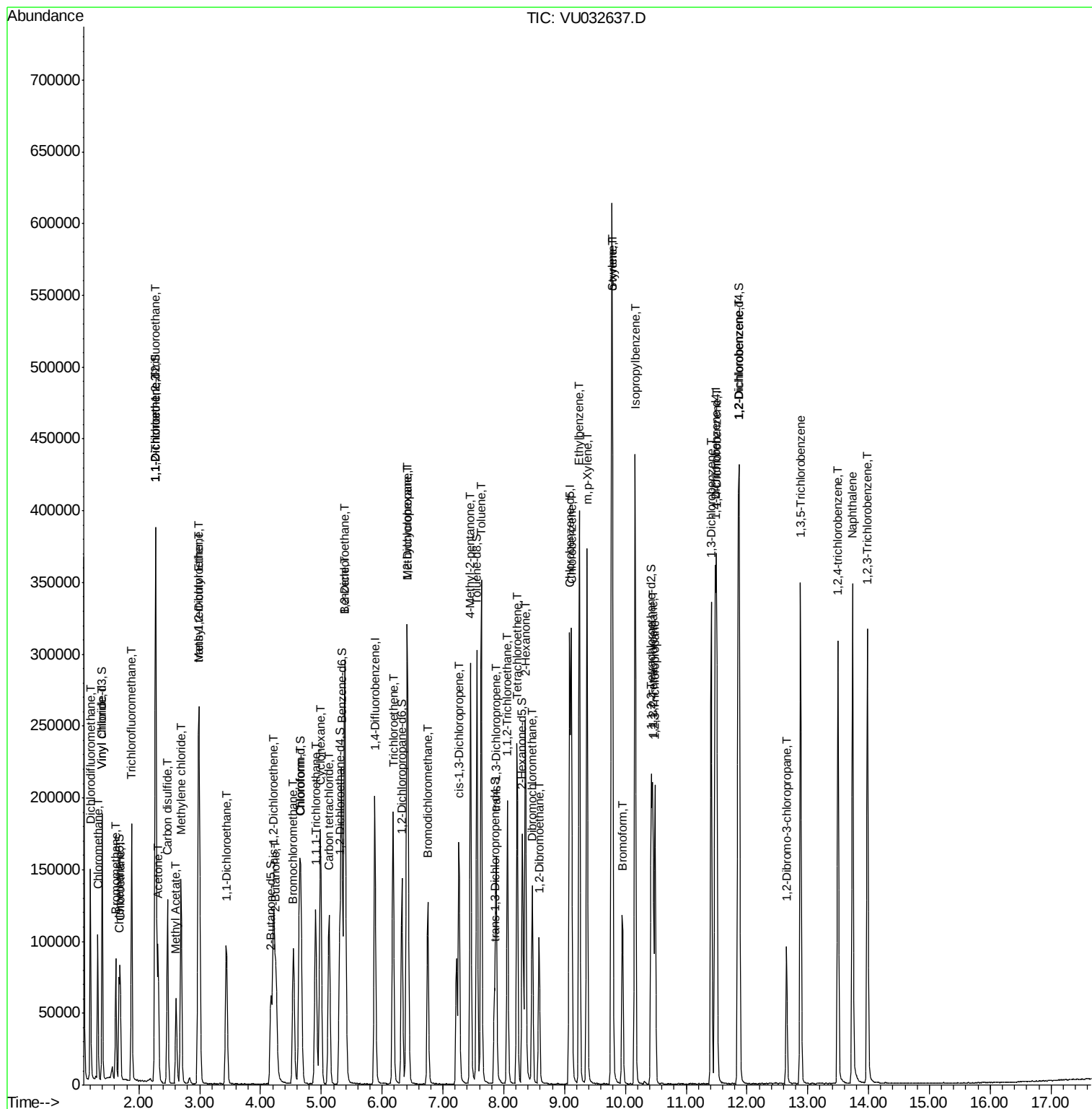
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	32081	50.587	ug/L	95
25) Chloroform	4.67	83	108255	53.396	ug/L	98
27) 1,2-Dichloroethane	5.40	62	87341	54.495	ug/L	98
29) Cyclohexane	4.99	56	94112	49.662	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	93058	51.595	ug/L	98
31) Carbon tetrachloride	5.13	117	85012	51.427	ug/L	99
33) Benzene	5.38	78	227010	50.712	ug/L	100
34) Trichloroethene	6.18	95	62384	51.223	ug/L	99
35) Methylcyclohexane	6.41	83	99118	50.272	ug/L	99
37) 1,2-Dichloropropane	6.42	63	61667	51.967	ug/L	99
38) Bromodichloromethane	6.75	83	80586	52.741	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	96450	51.515	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	191365	100.241	ug/L	99
42) Toluene	7.63	91	250252	51.046	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	86682	52.161	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	58343	51.992	ug/L	98
46) Tetrachloroethene	8.22	164	51762	51.460	ug/L	99
48) 2-Hexanone	8.36	43	161904	103.255	ug/L	98
49) Dibromochloromethane	8.47	129	68900	52.825	ug/L	99
50) 1,2-Dibromoethane	8.58	107	64583	51.131	ug/L	98
51) Chlorobenzene	9.11	112	161287	51.064	ug/L	99
52) Ethylbenzene	9.24	91	275538	50.422	ug/L	99
53) m,p-Xylene	9.37	106	104302	50.195	ug/L	98
54) o-xylene	9.77	106	103268	50.054	ug/L	100
55) Styrene	9.79	104	175715	51.016	ug/L	97
56) Isopropylbenzene	10.16	105	273161	50.211	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	95217	49.646	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	79342	51.433	ug/L	99
61) Bromoform	9.95	173	52529	51.698	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	132884	51.538	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	132600	50.304	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	133655	51.273	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	22887	52.184	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	107981	53.829	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	95793	56.367	ug/L	99
69) Naphthalene	13.74	128	284938	53.155	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	100329	56.726	ug/L	99

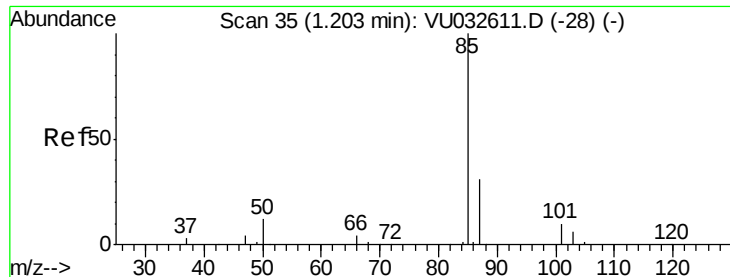
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 51.200 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

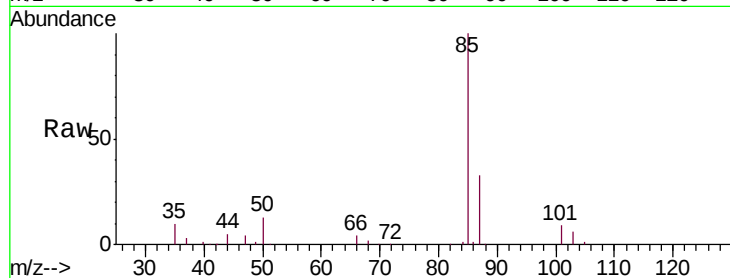
VSTD05046

Tgt Ion: 85 Resp: 77362

Ion Ratio Lower Upper

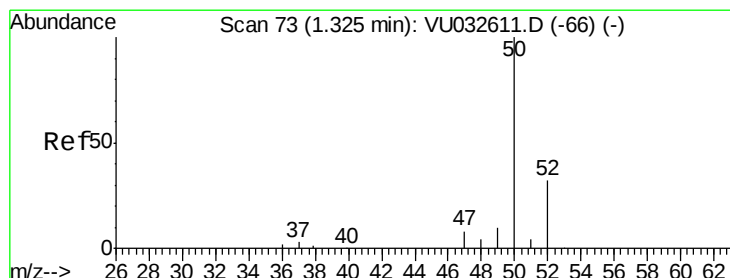
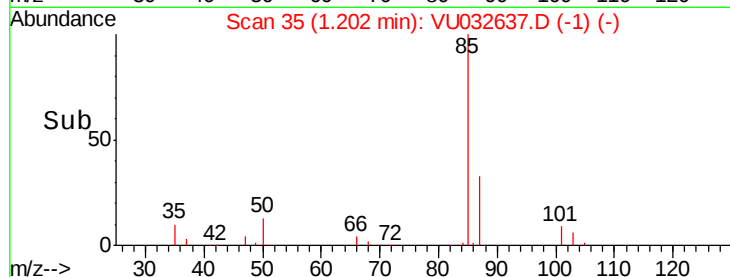
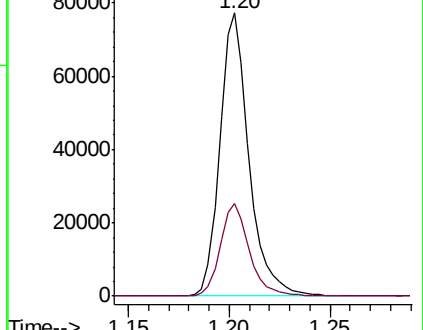
85 100

87 32.8 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: 46.007 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU032637.D

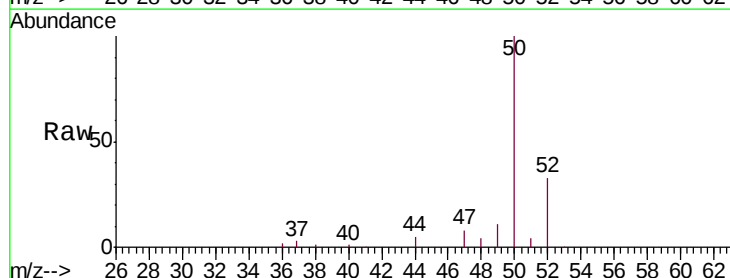
Acq: 12 Jun 2019 09:30

Tgt Ion: 50 Resp: 67172

Ion Ratio Lower Upper

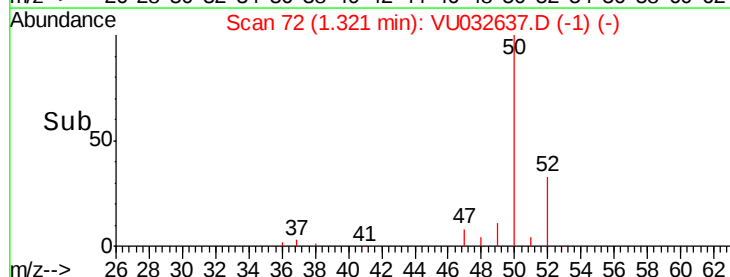
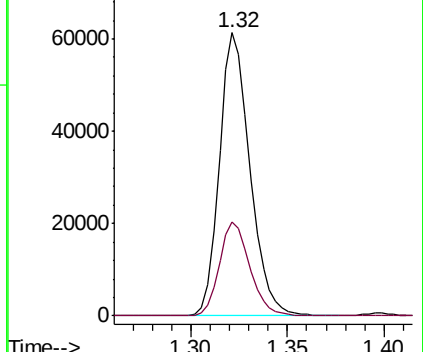
50 100

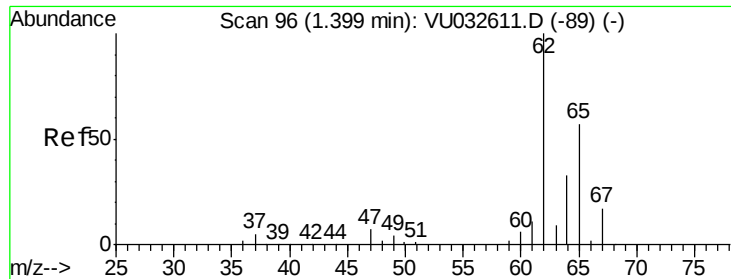
52 33.2 23.0 42.6



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: 47.926 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

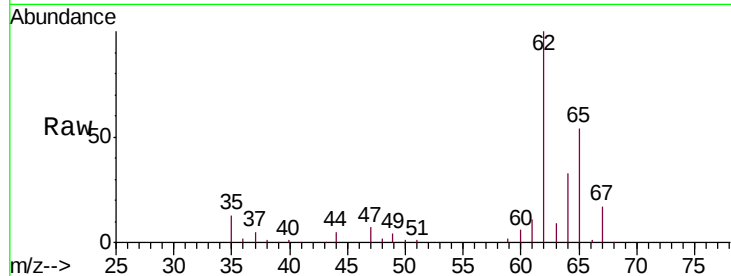
VSTD05046

Tgt Ion: 62 Resp: 69899

Ion Ratio Lower Upper

62 100

64 32.7 22.6 42.0

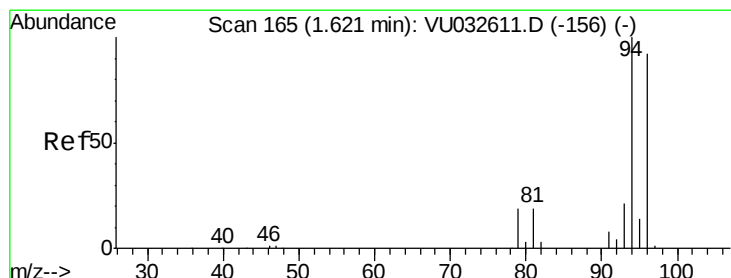
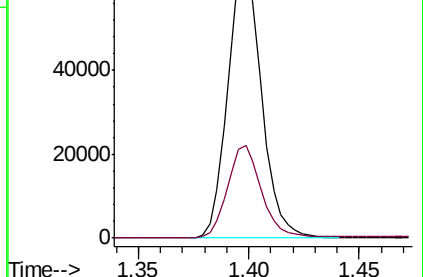
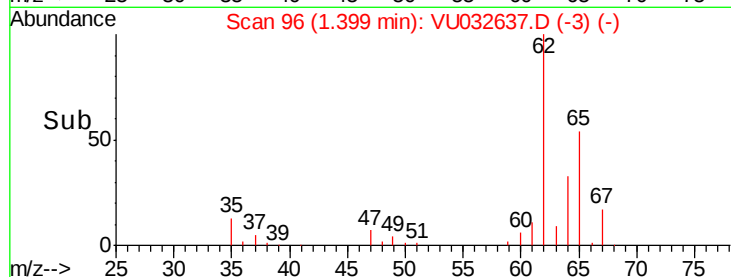


Abundance Ion 62.00 (61.70 to 62.70): VU032611.D (-89) (-)

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

1.40

Time-->



#6

Bromomethane

Concen: 39.794 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU032637.D

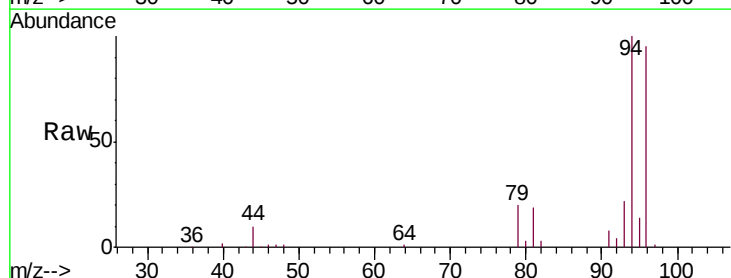
Acq: 12 Jun 2019 09:30

Tgt Ion: 94 Resp: 34587

Ion Ratio Lower Upper

94 100

96 95.1 64.7 120.1

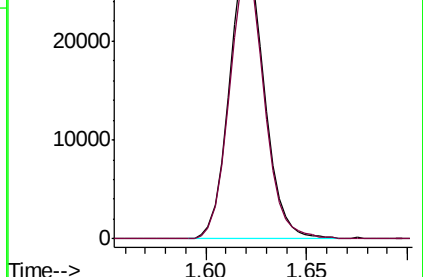
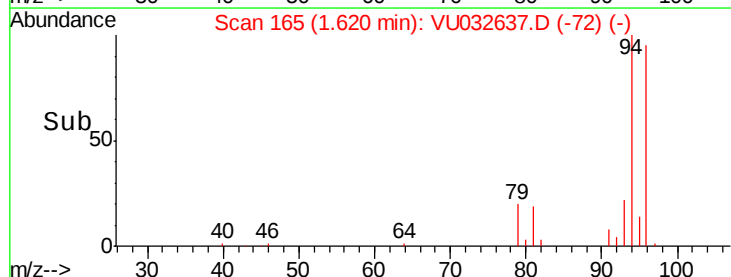


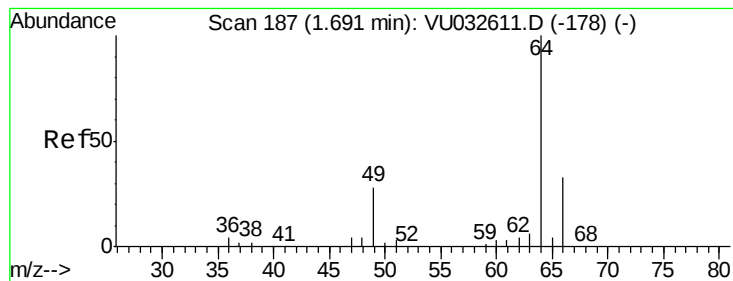
Abundance Ion 94.00 (93.70 to 94.70): VU032611.D (-156) (-)

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

1.62

Time-->





#8

Chloroethane

Concen: 46.998 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

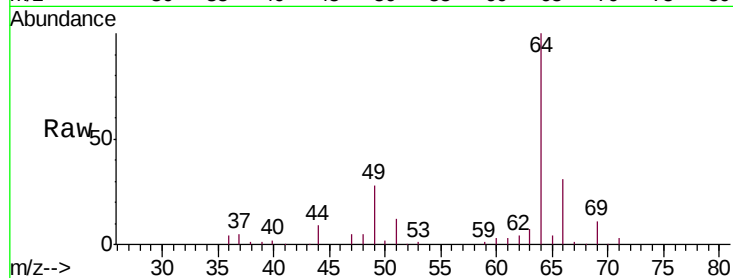
VSTD05046

Tgt Ion: 64 Resp: 40744

Ion Ratio Lower Upper

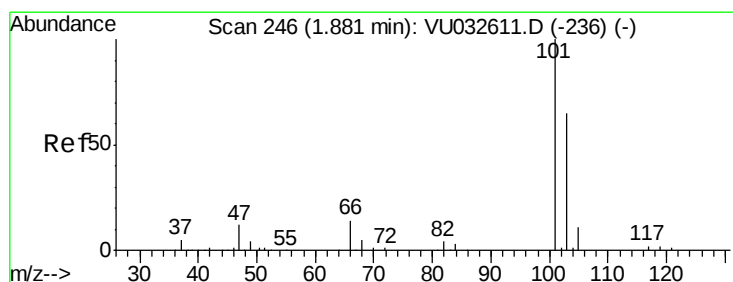
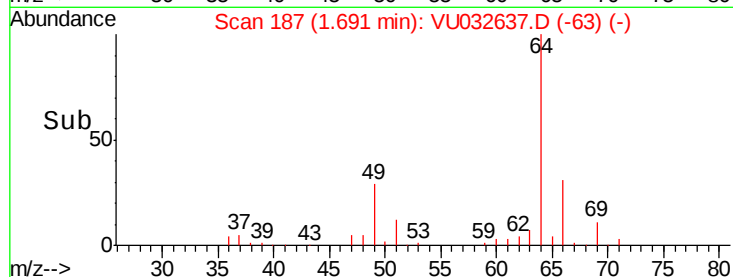
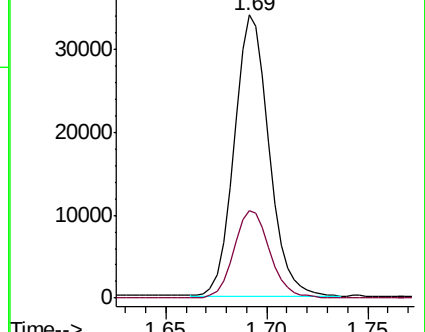
64 100

66 31.1 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: 51.380 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU032637.D

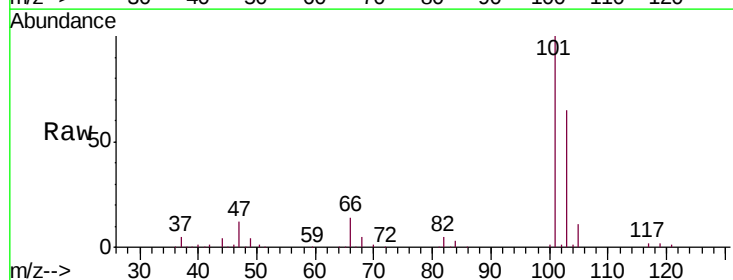
Acq: 12 Jun 2019 09:30

Tgt Ion: 101 Resp: 101189

Ion Ratio Lower Upper

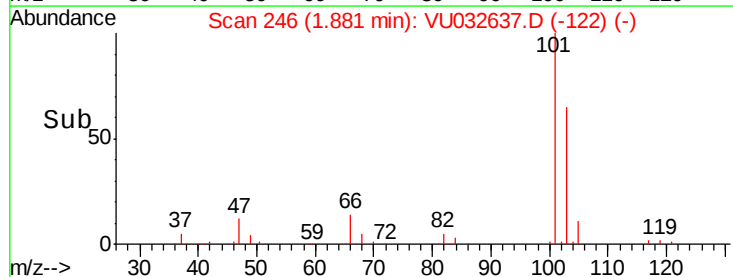
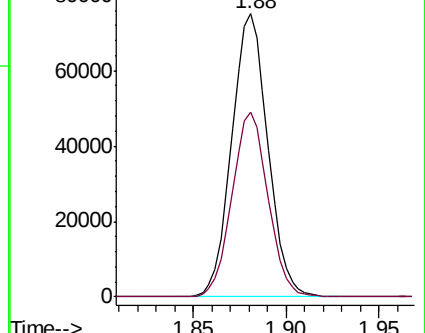
101 100

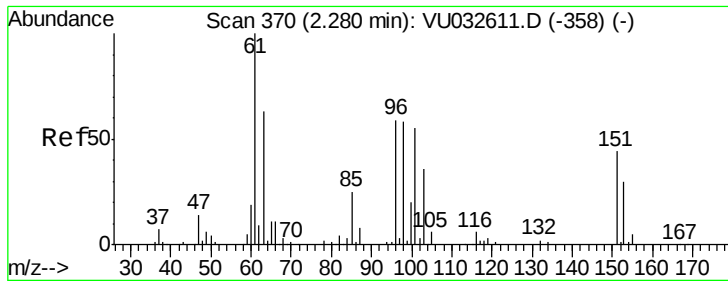
103 65.2 52.5 78.7



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: 54.527 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

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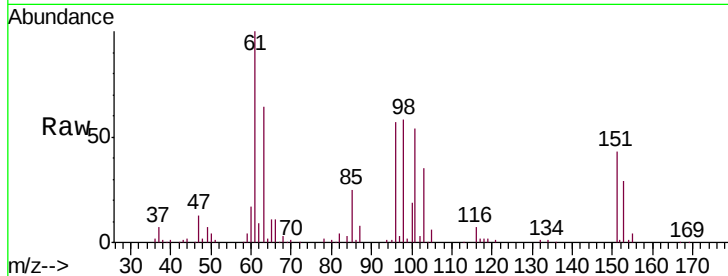
Tgt Ion:101 Resp: 55849

Ion Ratio Lower Upper

101 100

85 45.0 36.1 54.1

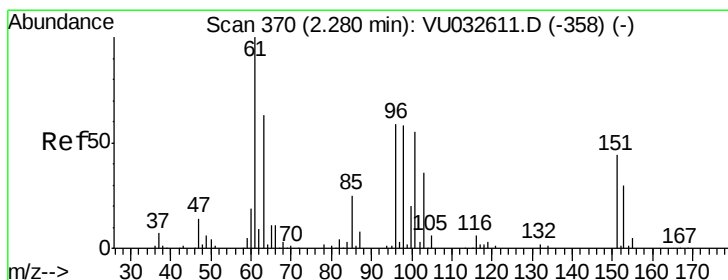
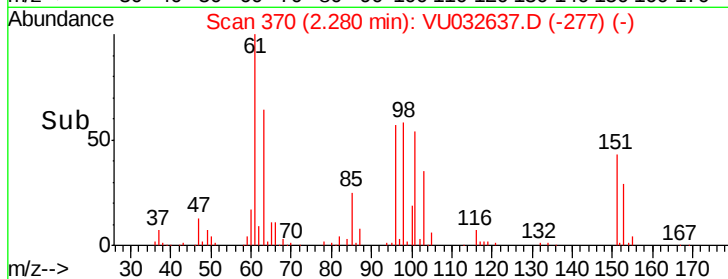
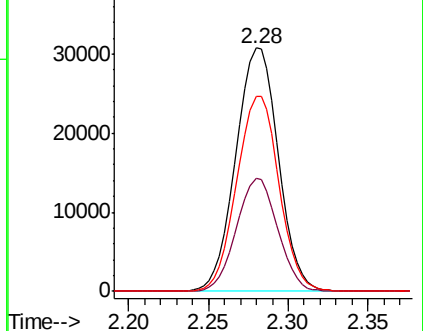
151 79.7 63.0 94.4



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: 51.843 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

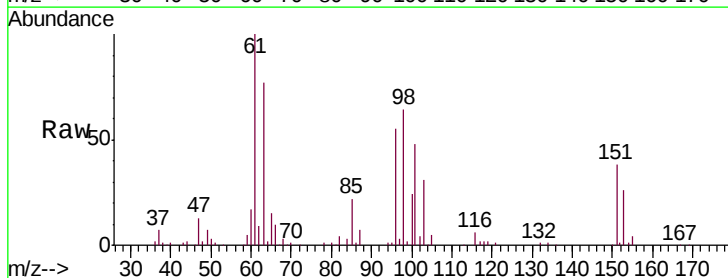
Tgt Ion: 96 Resp: 51559

Ion Ratio Lower Upper

96 100

61 180.6 129.5 240.5

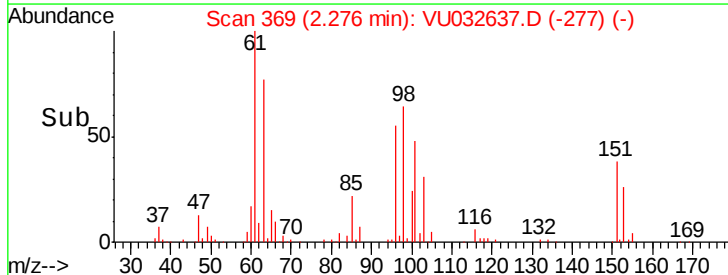
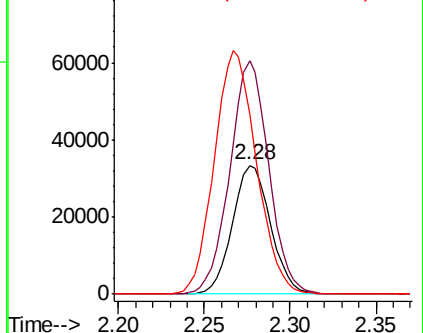
63 138.8 103.4 192.0

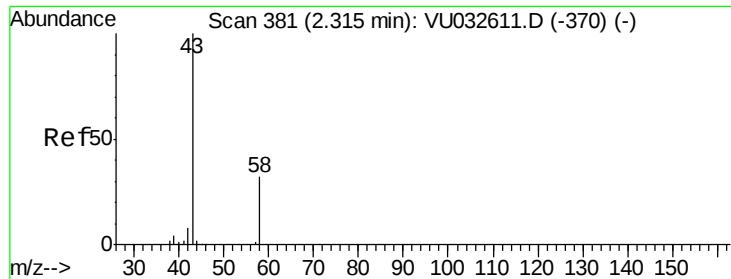


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 102.882 ug/L

RT: 2.31 min Scan# 381

Delta R.T. -0.00 min

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ClientSampleId :

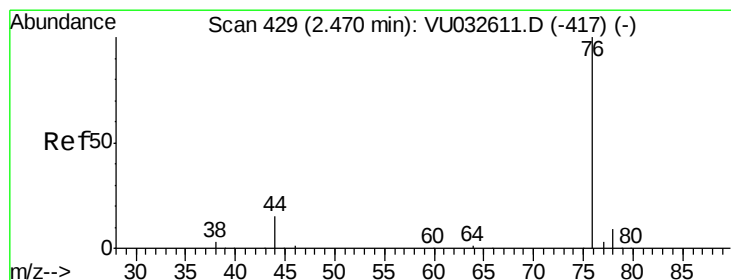
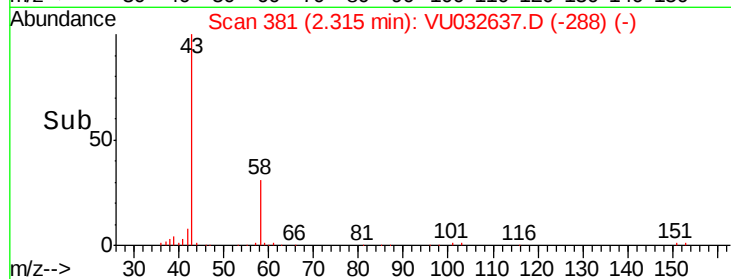
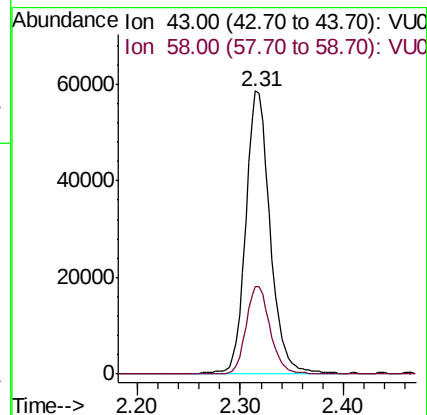
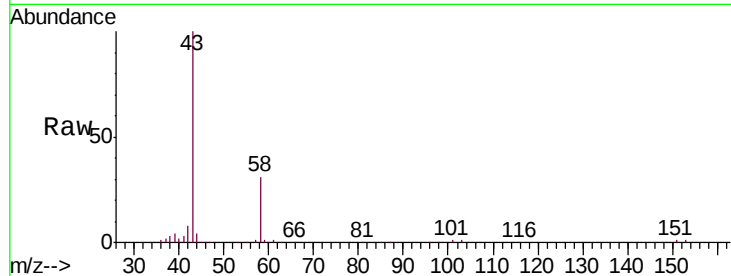
VSTD05046

Tgt Ion: 43 Resp: 96601

Ion Ratio Lower Upper

43 100

58 30.2 0.0 64.0



#14

Carbon disulfide

Concen: 48.994 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

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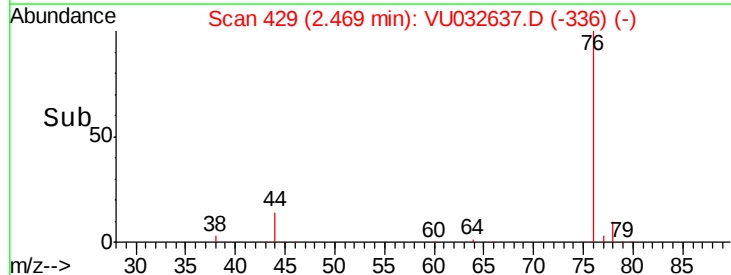
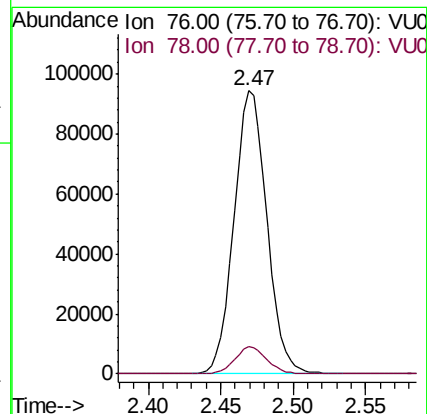
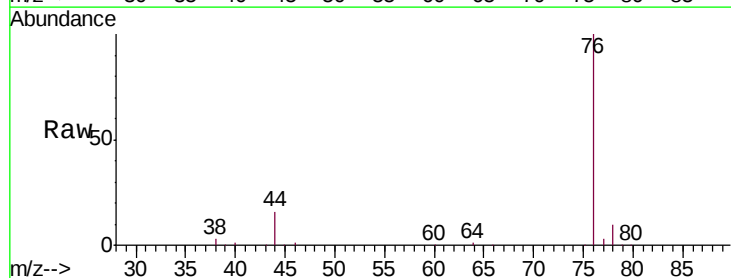
Acq: 12 Jun 2019 09:30

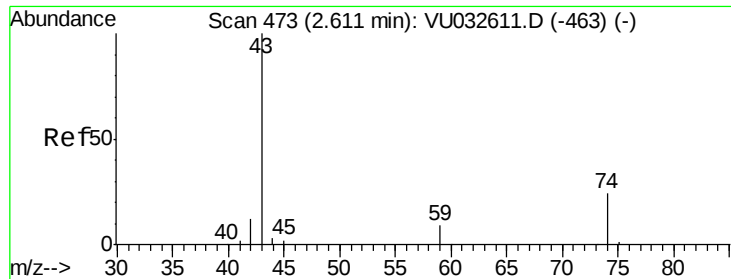
Tgt Ion: 76 Resp: 148048

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

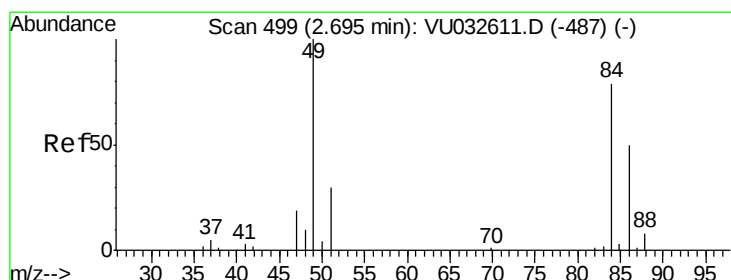
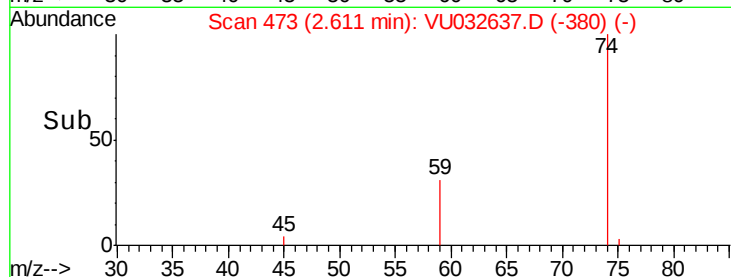
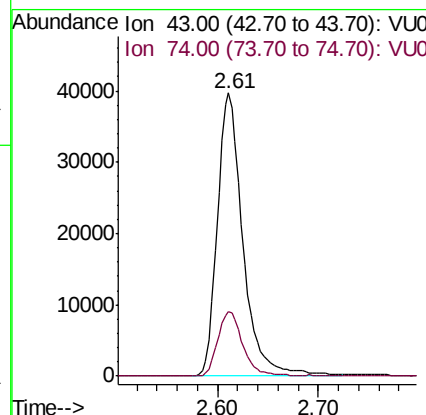
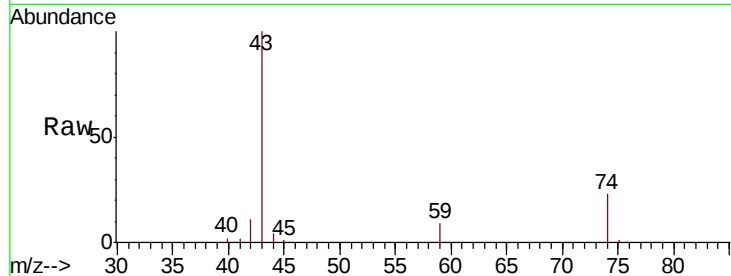




#15
Methyl Acetate
Concen: 52.178 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU032637.D
Acq: 12 Jun 2019 09:30

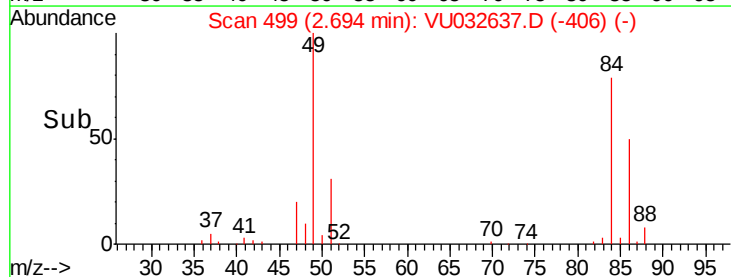
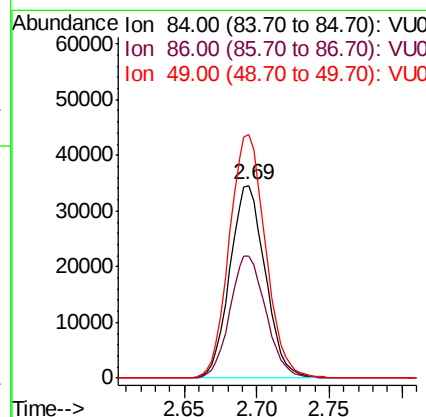
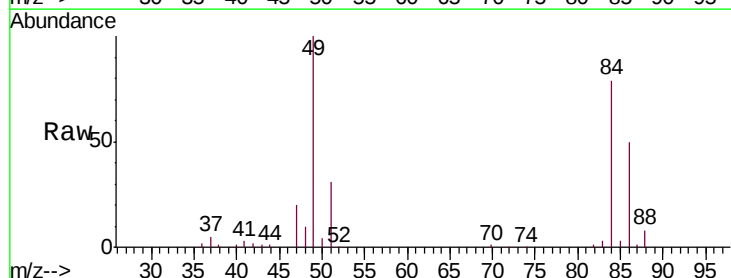
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

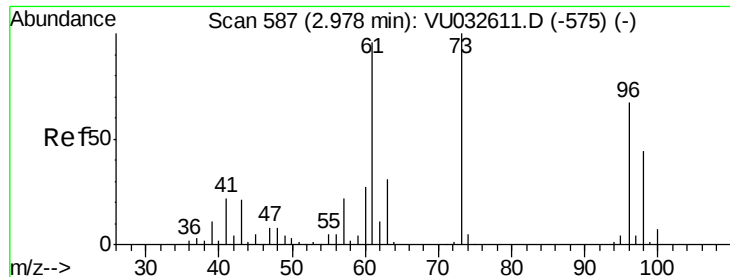
Tgt Ion: 43 Resp: 69949
Ion Ratio Lower Upper
43 100
74 22.3 18.0 27.0



#16
Methylene chloride
Concen: 51.637 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU032637.D
Acq: 12 Jun 2019 09:30

Tgt Ion: 84 Resp: 58597
Ion Ratio Lower Upper
84 100
86 63.3 44.7 82.9
49 126.4 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 50.684 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

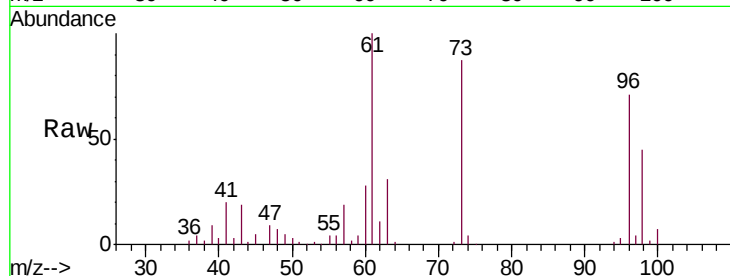
Tgt Ion: 96 Resp: 54622

Ion Ratio Lower Upper

96 100

61 140.2 95.7 177.7

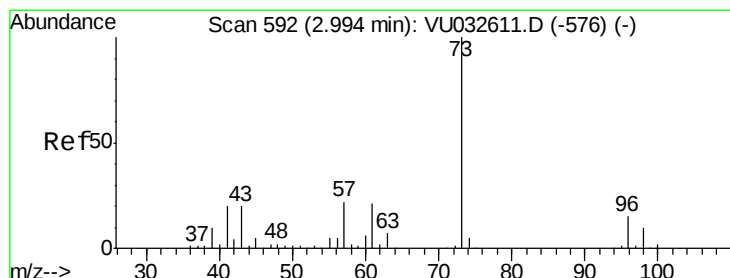
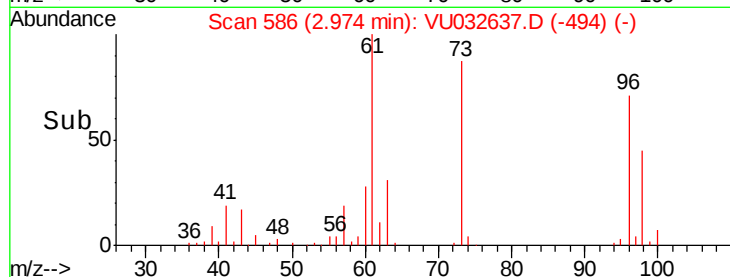
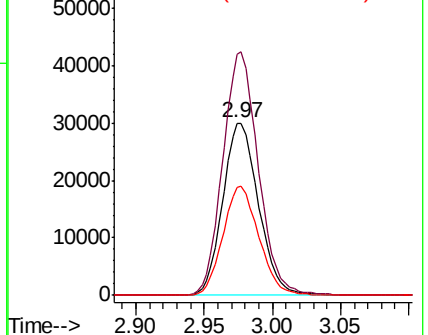
98 63.1 44.0 81.6



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: 50.915 ug/L

RT: 2.99 min Scan# 591

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

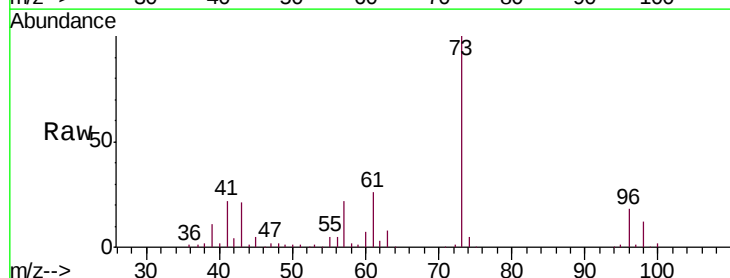
Tgt Ion: 73 Resp: 180266

Ion Ratio Lower Upper

73 100

43 20.6 15.8 23.6

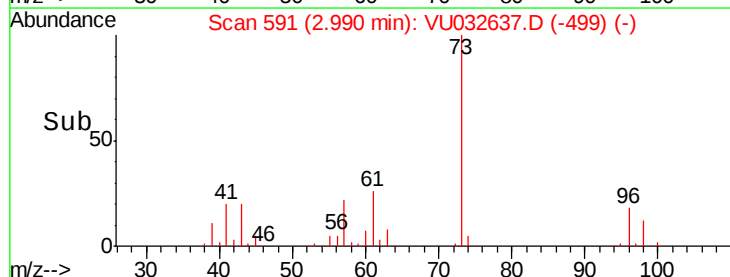
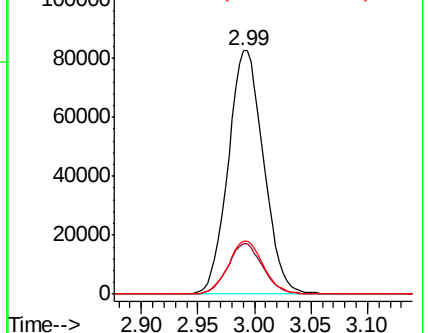
57 21.8 17.6 26.4

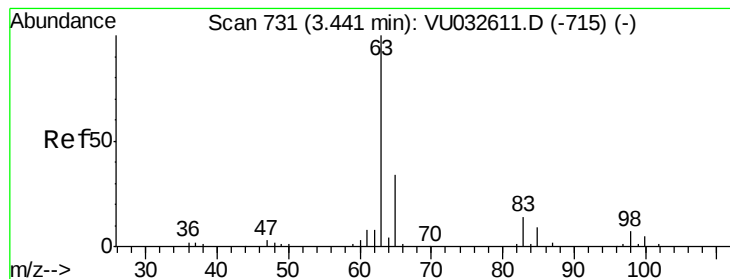


Abundance Ion 73.00 (72.70 to 73.70): VU032611.D (-576) (-)

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: 52.625 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

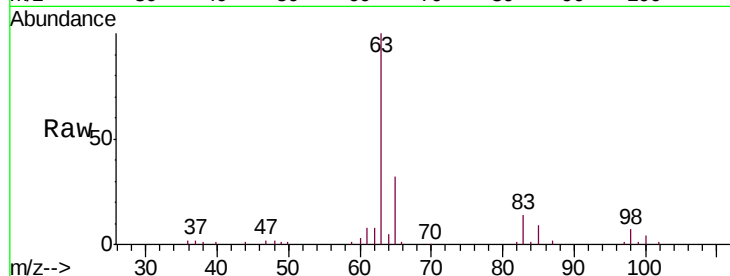
Tgt Ion: 63 Resp: 103389

Ion Ratio Lower Upper

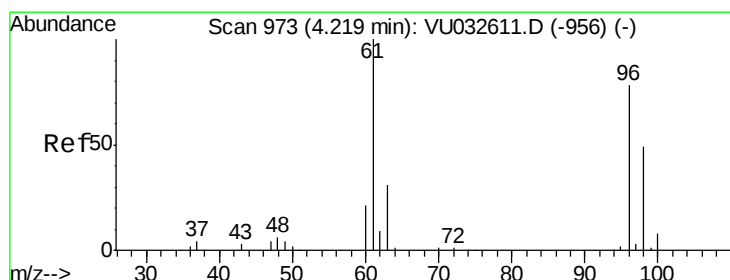
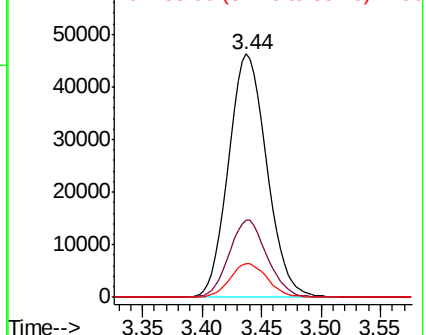
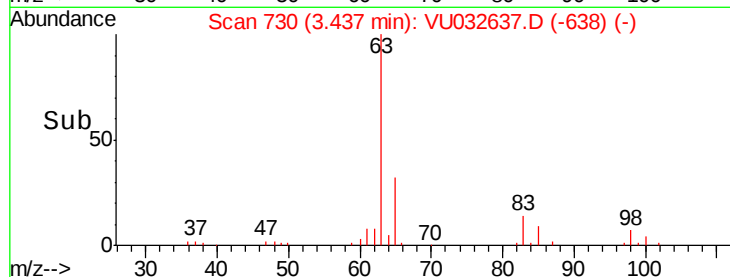
63 100

65 31.6 21.8 40.6

83 13.8 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VU032637.D (-638) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.963 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

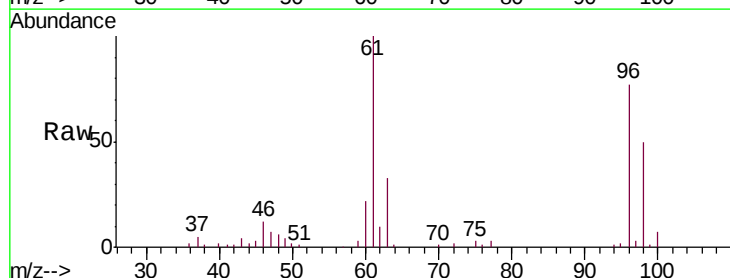
Tgt Ion: 96 Resp: 62158

Ion Ratio Lower Upper

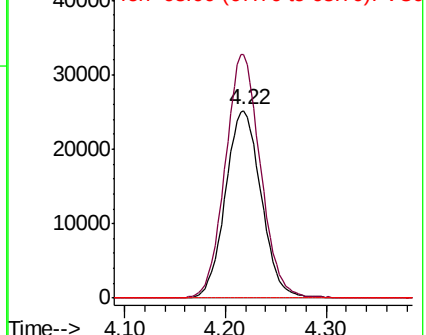
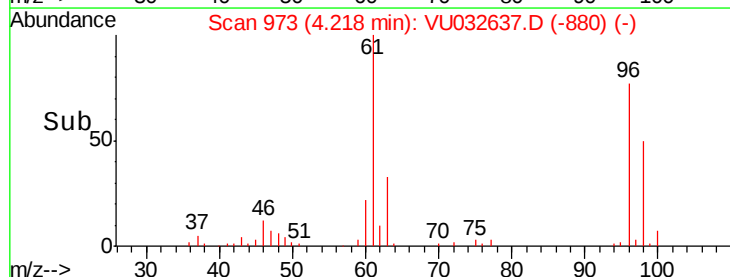
96 100

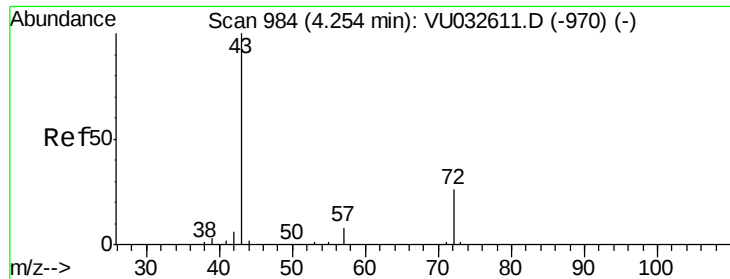
61 129.8 87.2 162.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032637.D (-880) (-)





#22

2-Butanone

Concen: 101.854 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

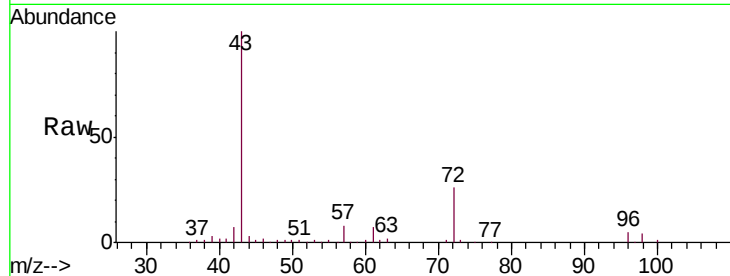
VSTD05046

Tgt Ion: 43 Resp: 113031

Ion Ratio Lower Upper

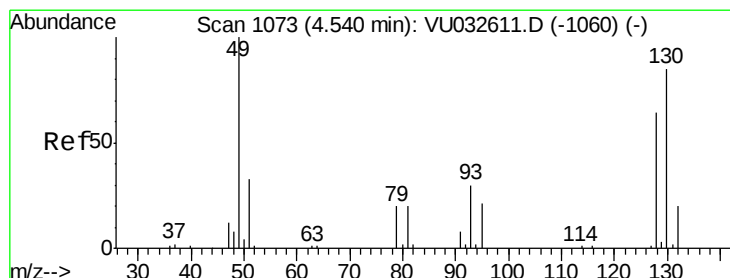
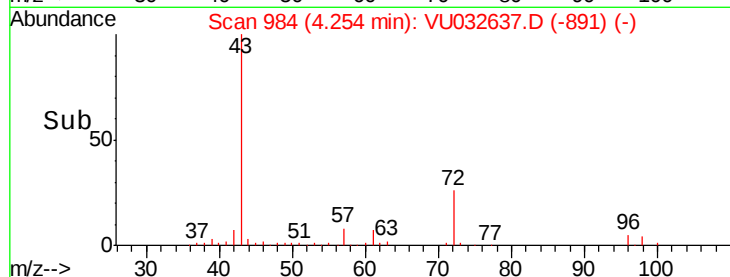
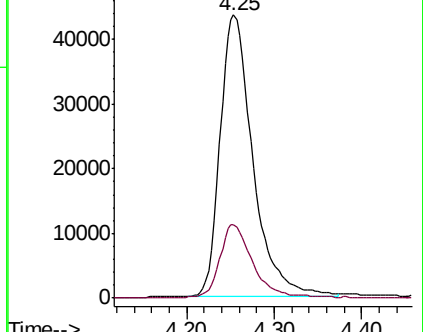
43 100

72 26.1 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032637.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VU032637.D (-891) (-)



#23

Bromochloromethane

Concen: 50.587 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Tgt Ion: 128 Resp: 32081

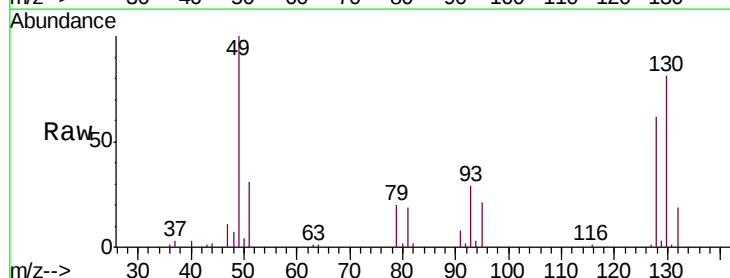
Ion Ratio Lower Upper

128 100

49 160.3 103.7 192.5

130 130.2 92.2 171.2

51 49.3 37.7 56.5

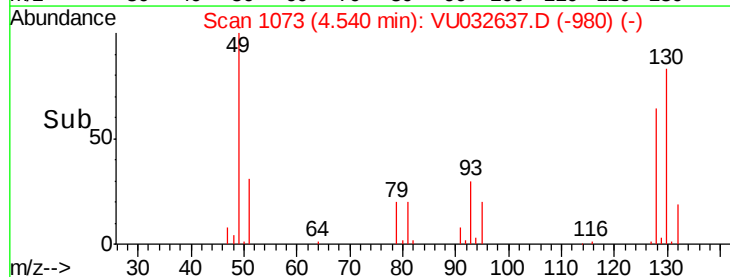
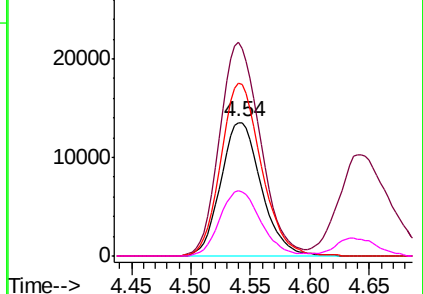


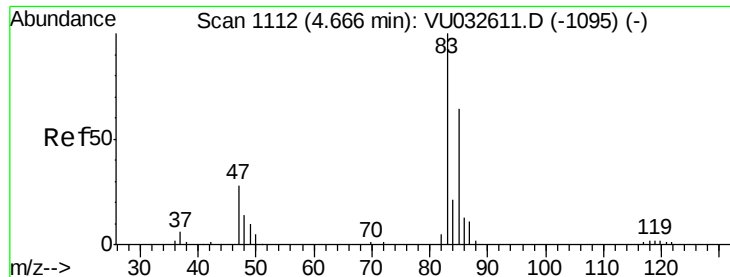
Abundance Ion 128.00 (127.70 to 128.70): VU032637.D (-980) (-)

Ion 49.00 (48.70 to 49.70): VU032637.D (-980) (-)

Ion 130.00 (129.70 to 130.70): VU032637.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VU032637.D (-980) (-)

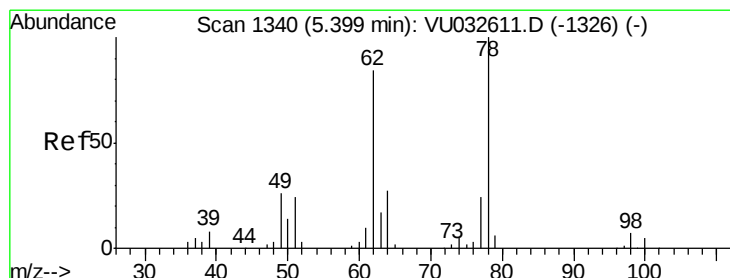
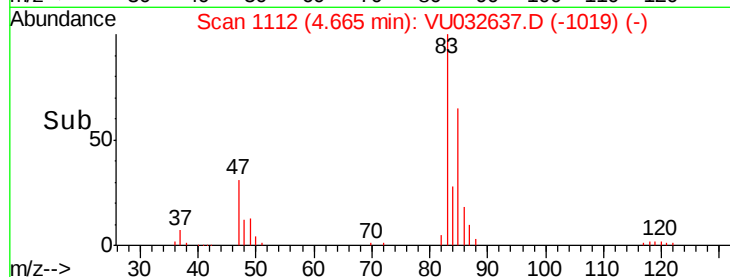
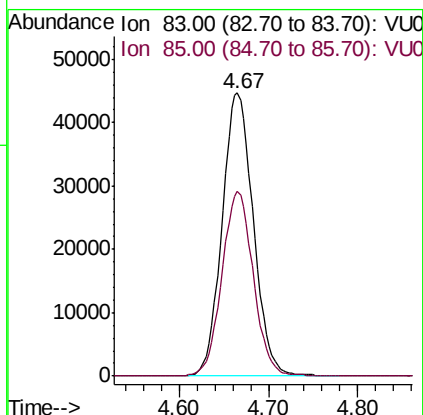
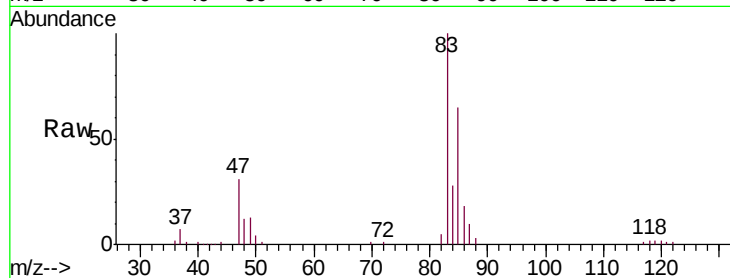




#25
Chloroform
Concen: 53.396 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032637.D
Acq: 12 Jun 2019 09:30

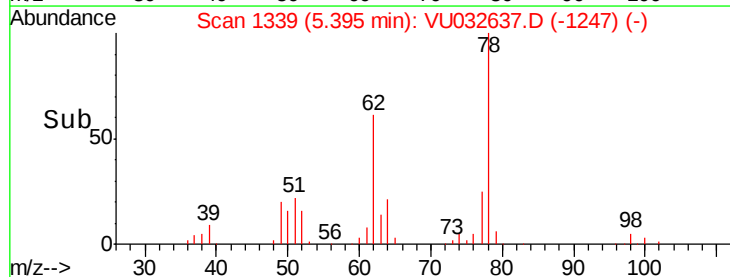
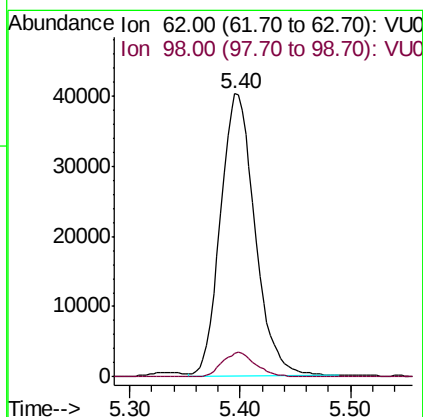
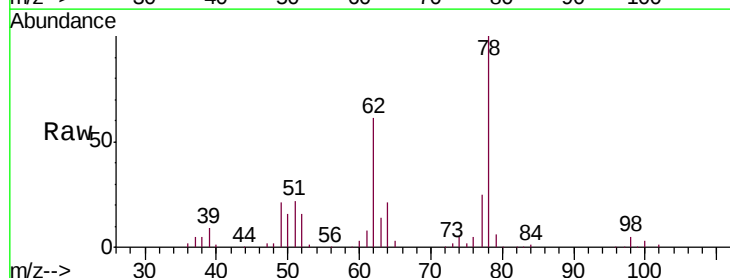
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

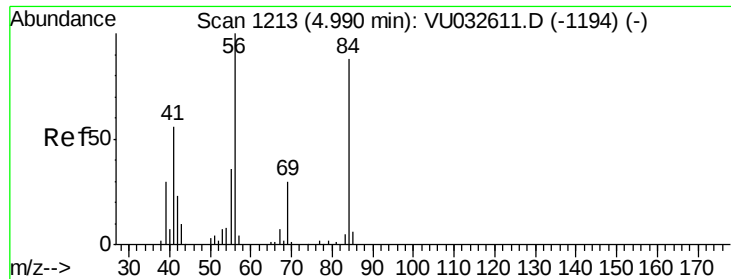
Tgt Ion: 83 Resp: 108255
Ion Ratio Lower Upper
83 100
85 65.3 44.7 82.9



#27
1,2-Dichloroethane
Concen: 54.495 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VU032637.D
Acq: 12 Jun 2019 09:30

Tgt Ion: 62 Resp: 87341
Ion Ratio Lower Upper
62 100
98 8.3 7.2 10.8

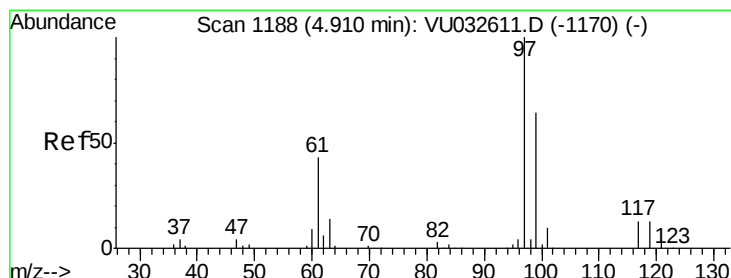
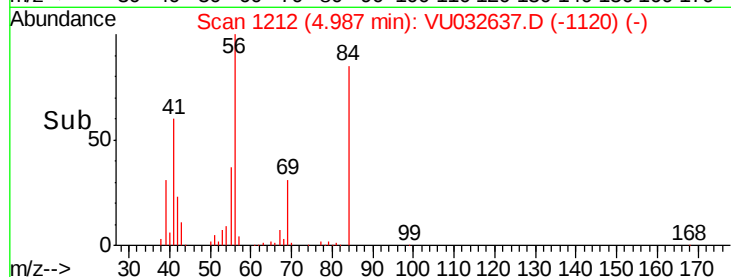
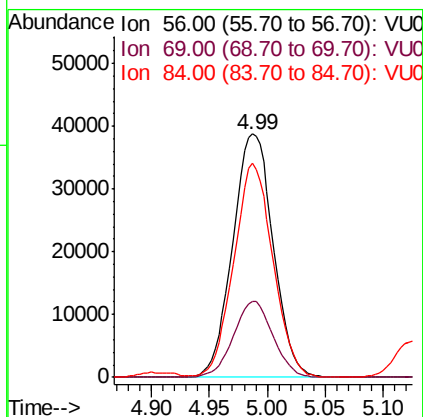
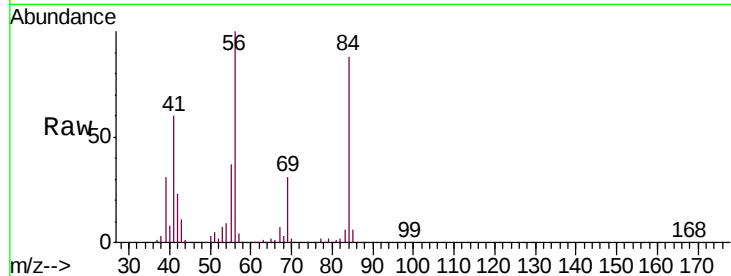




#29
Cyclohexane
Concen: 49.662 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU032637.D
Acq: 12 Jun 2019 09:30

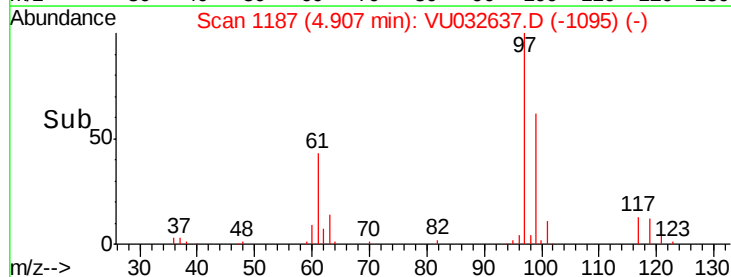
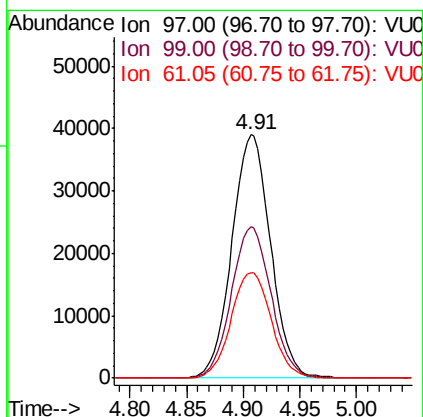
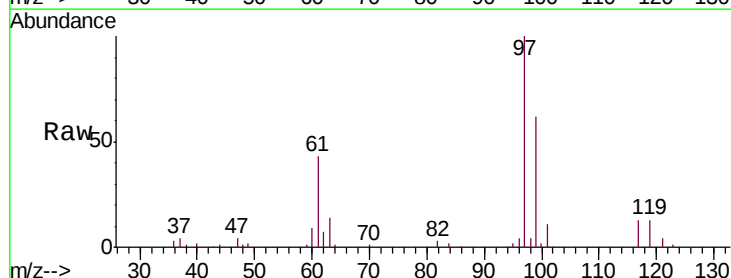
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

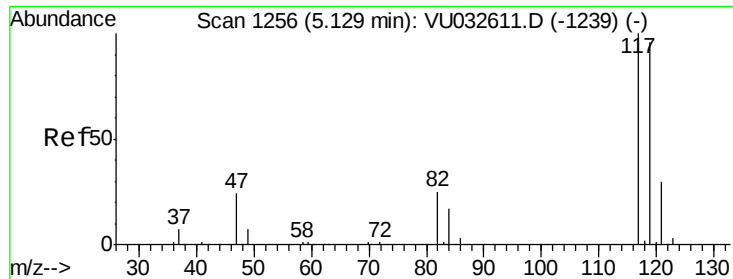
Tgt Ion: 56 Resp: 94112
Ion Ratio Lower Upper
56 100
69 30.3 24.7 37.1
84 85.0 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 51.595 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU032637.D
Acq: 12 Jun 2019 09:30

Tgt Ion: 97 Resp: 93058
Ion Ratio Lower Upper
97 100
99 63.6 50.5 75.7
61 44.9 33.8 50.6





#31

Carbon tetrachloride

Concen: 51.427 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

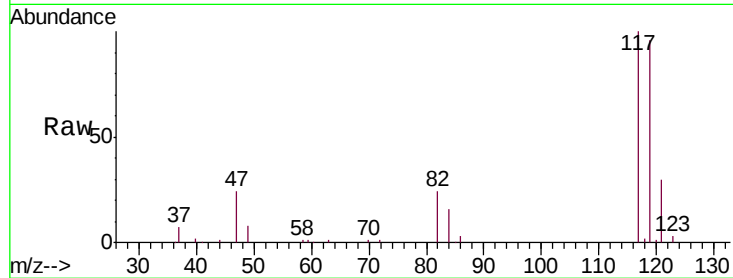
VSTD05046

Tgt Ion:117 Resp: 85012

Ion Ratio Lower Upper

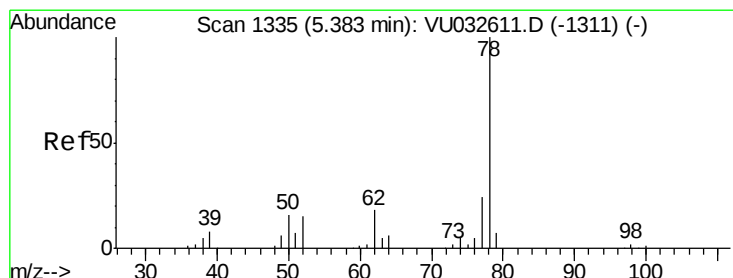
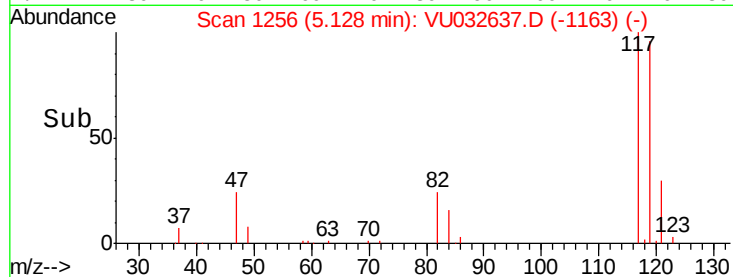
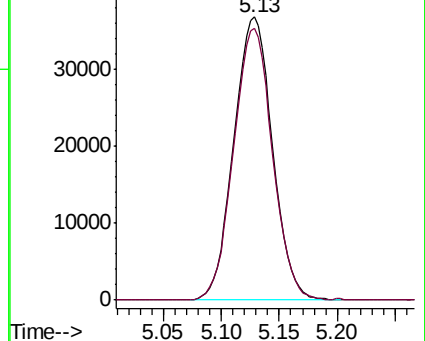
117 100

119 96.3 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.712 ug/L

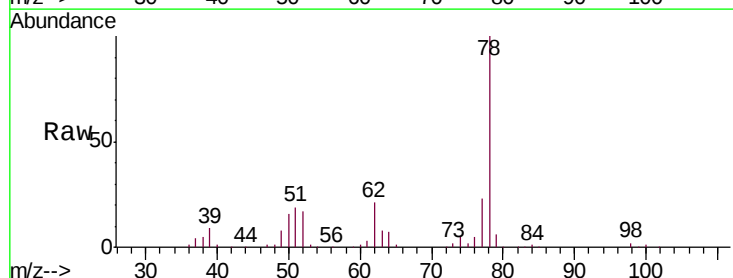
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

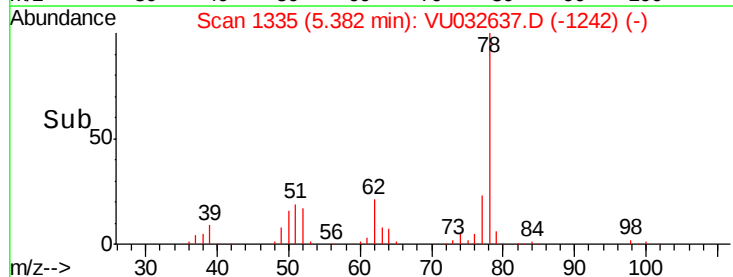
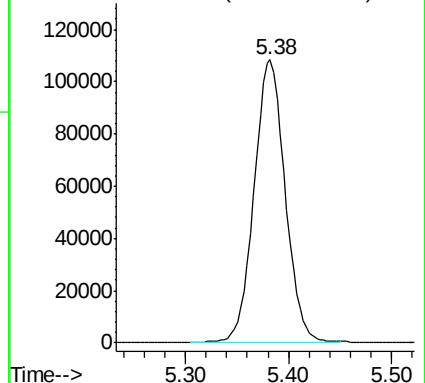
Lab File: VU032637.D

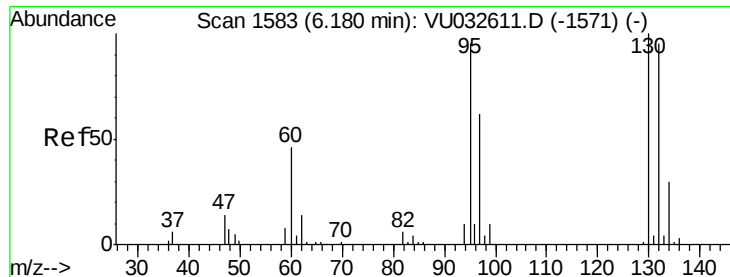
Acq: 12 Jun 2019 09:30

Tgt Ion: 78 Resp: 227010



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.223 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

Tgt Ion: 95 Resp: 62384

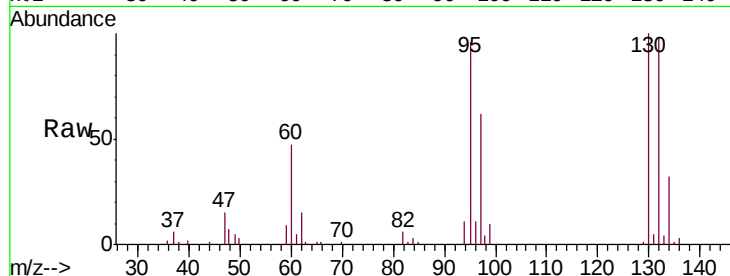
Ion Ratio Lower Upper

95 100

97 64.2 45.8 85.2

132 101.9 71.0 131.8

130 104.1 73.4 136.2

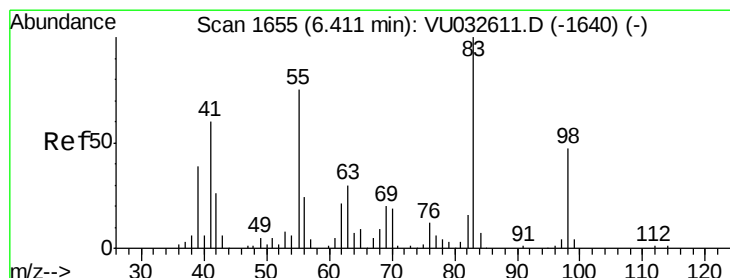
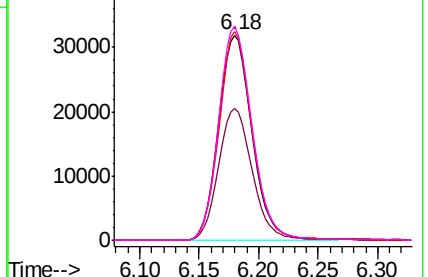
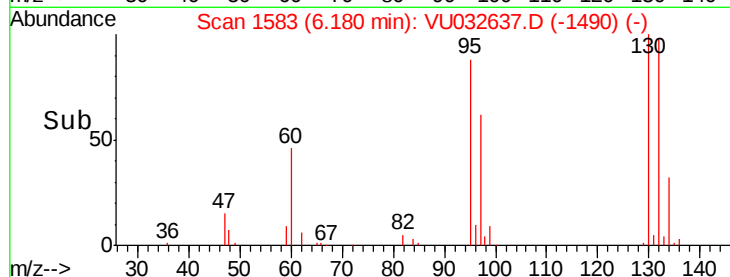


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 50.272 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

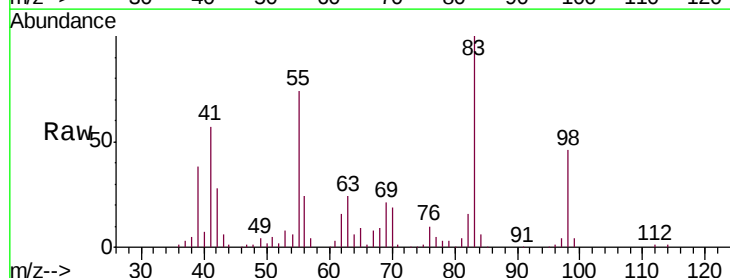
Tgt Ion: 83 Resp: 99118

Ion Ratio Lower Upper

83 100

55 74.3 60.2 90.4

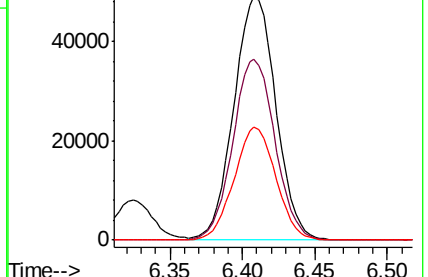
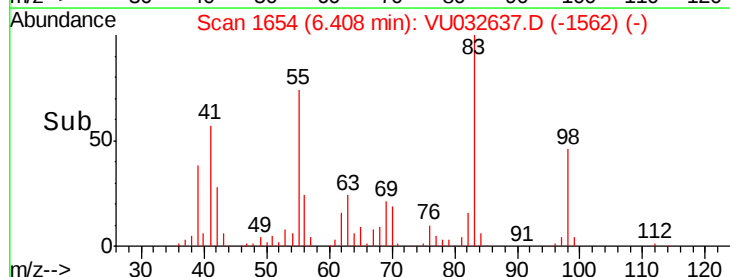
98 45.9 37.4 56.2

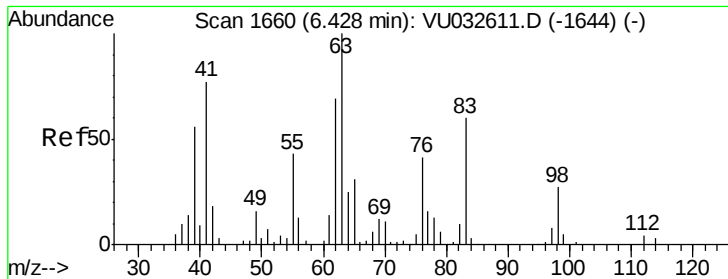


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 51.967 ug/L

RT: 6.42 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

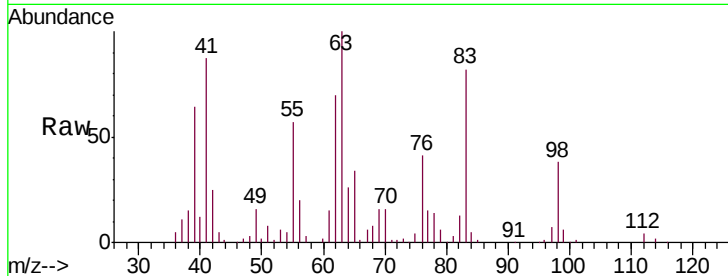
VSTD05046

Tgt Ion: 63 Resp: 61667

Ion Ratio Lower Upper

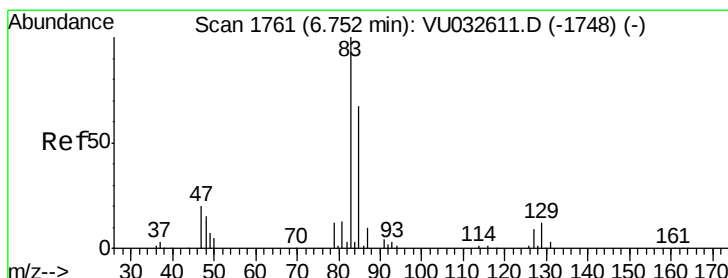
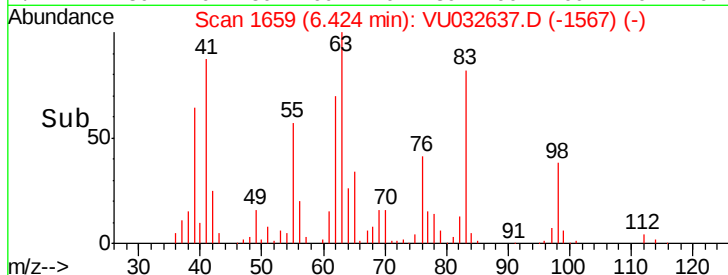
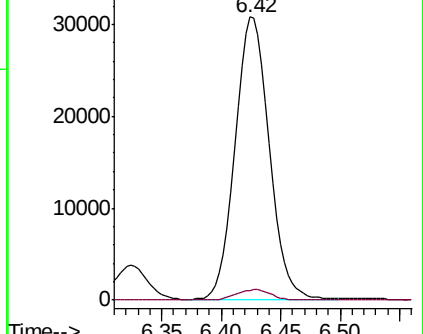
63 100

112 3.7 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 52.741 ug/L

RT: 6.75 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

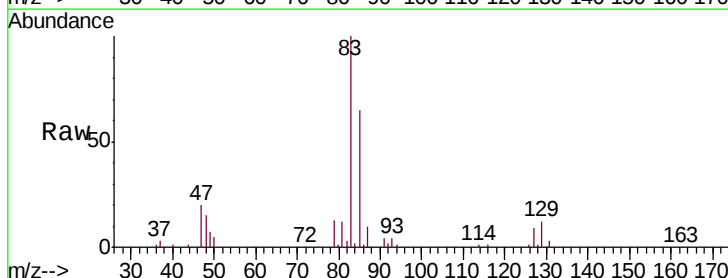
Tgt Ion: 83 Resp: 80586

Ion Ratio Lower Upper

83 100

85 64.9 45.4 84.4

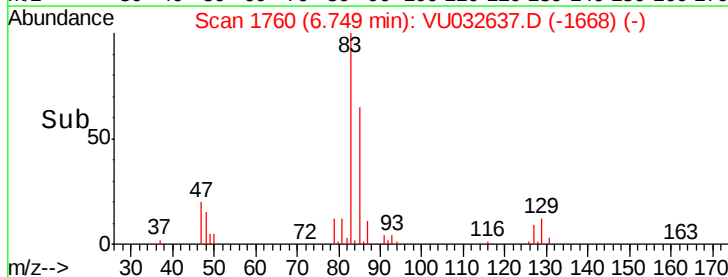
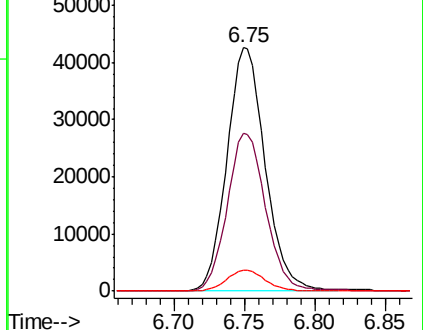
127 8.6 7.4 11.2

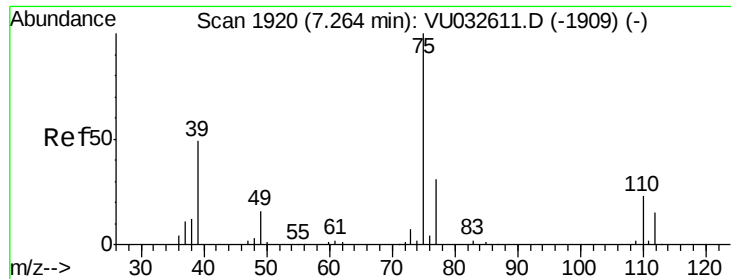


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

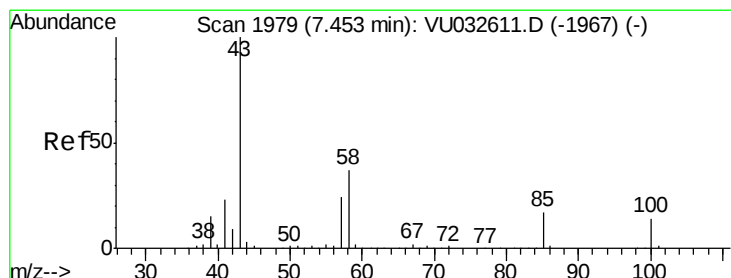
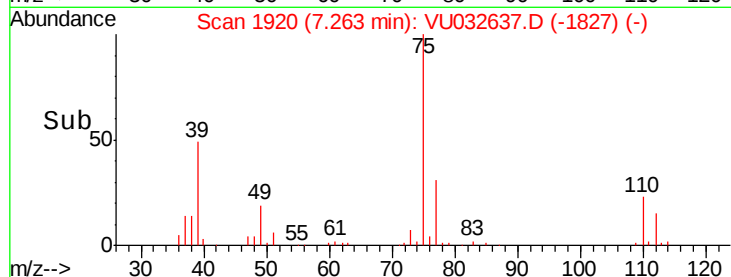
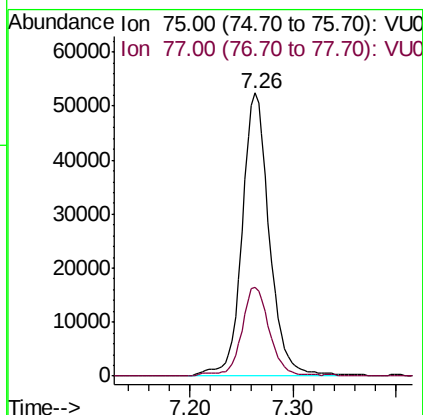
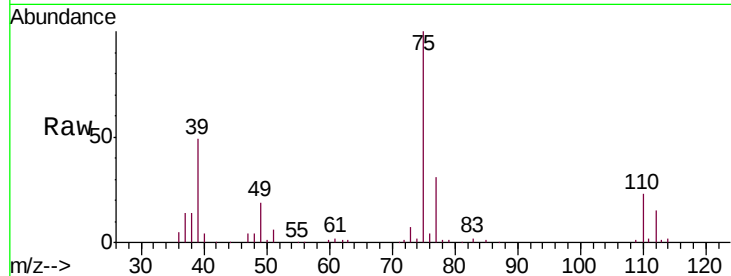




#39
 cis-1,3-Dichloropropene
 Concen: 51.515 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032637.D
 Acq: 12 Jun 2019 09:30

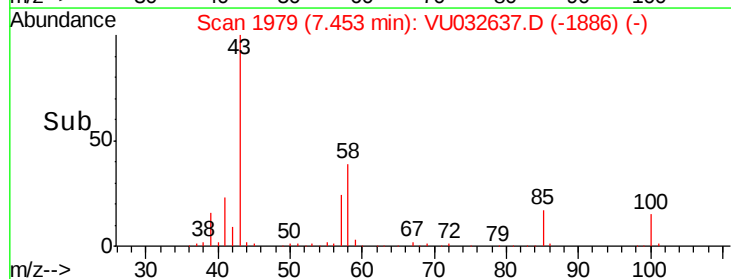
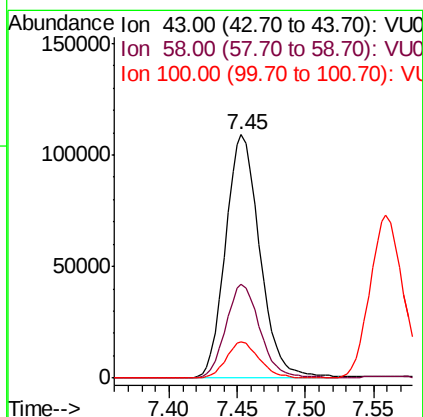
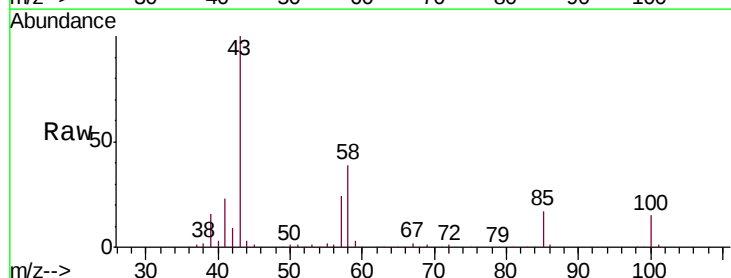
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

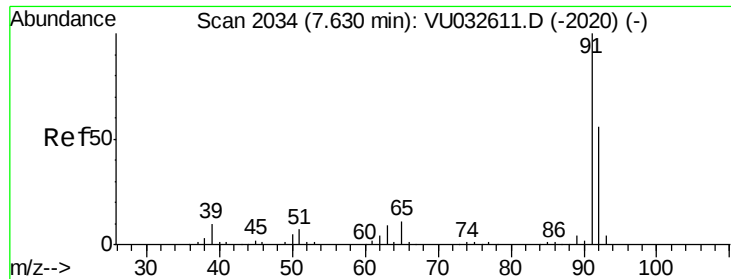
Tgt Ion: 75 Resp: 96450
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 100.241 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU032637.D
 Acq: 12 Jun 2019 09:30

Tgt Ion: 43 Resp: 191365
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.8 46.2
 100 14.4 12.1 18.1





#42

Toluene

Concen: 51.046 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

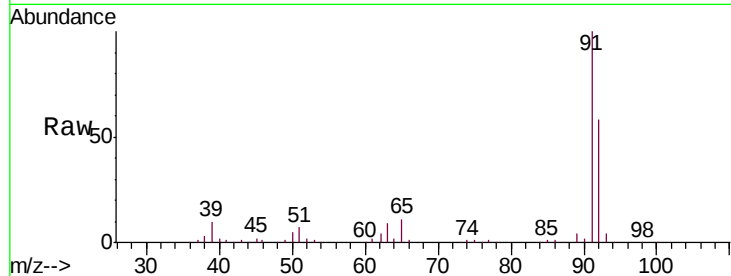
VSTD05046

Tgt Ion: 91 Resp: 250252

Ion Ratio Lower Upper

91 100

92 58.2 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) (-)

7.63

150000

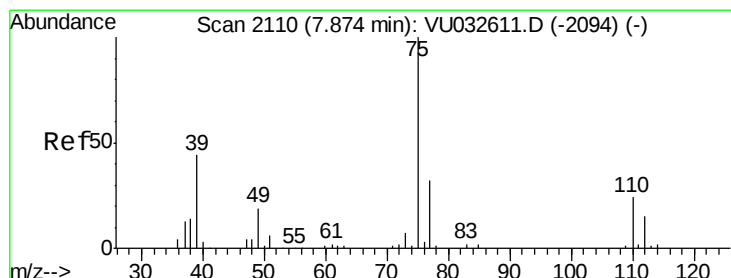
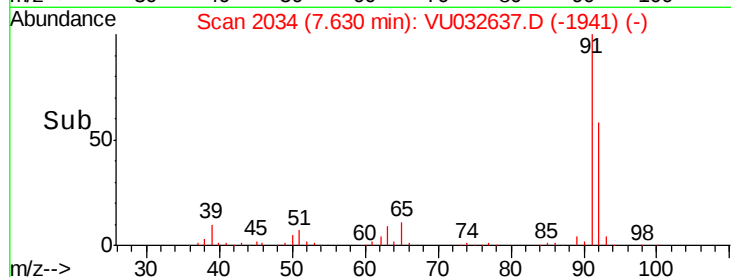
100000

50000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.161 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032637.D

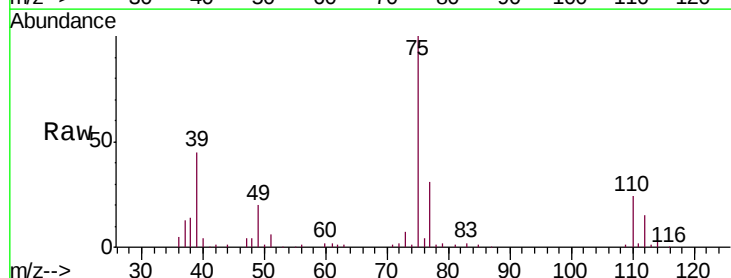
Acq: 12 Jun 2019 09:30

Tgt Ion: 75 Resp: 86682

Ion Ratio Lower Upper

75 100

77 30.8 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) (-)

7.87

50000

40000

30000

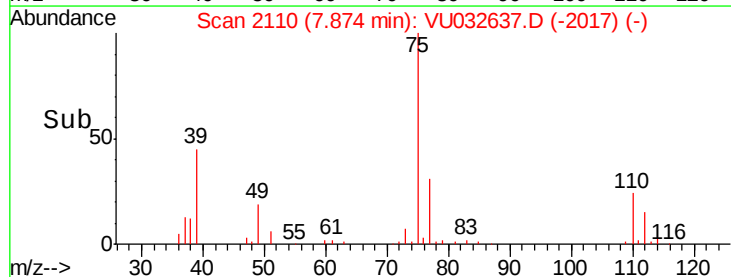
20000

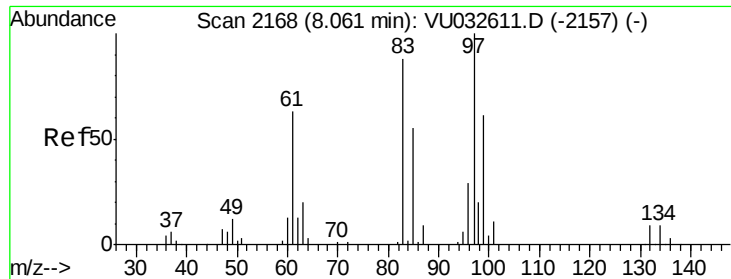
10000

0

7.80 7.90 8.00

Time-->

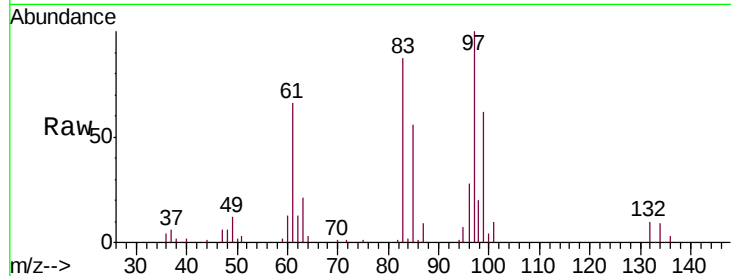




#45
 1,1,2-Trichloroethane
 Concen: 51.992 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU032637.D
 Acq: 12 Jun 2019 09:30

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05046

Tgt Ion:	97	Resp:	58343
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.1	81.9
83	87.0	59.4	110.2
85	56.1	39.1	72.7



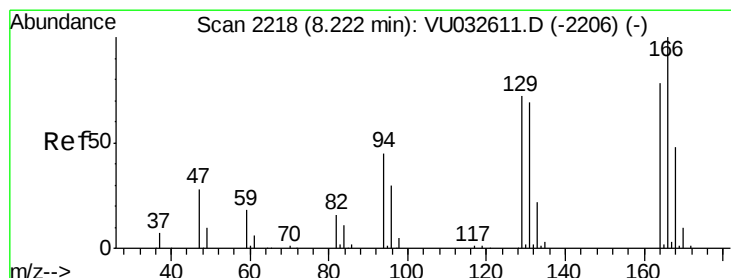
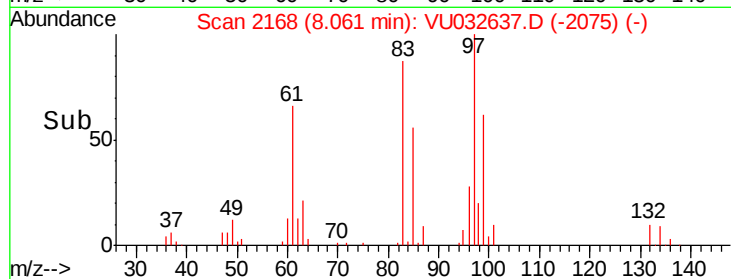
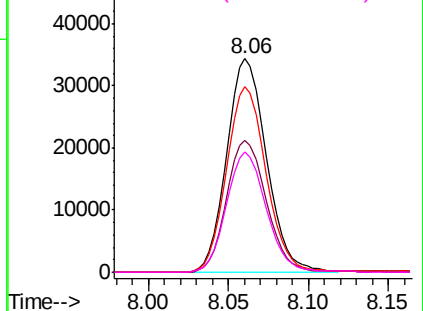
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

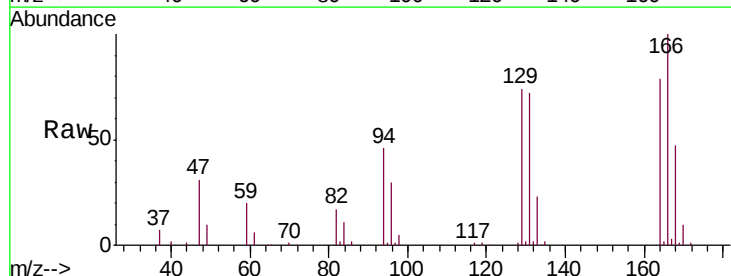
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 51.460 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032637.D
 Acq: 12 Jun 2019 09:30

Tgt Ion:	164	Resp:	51762
Ion	Ratio	Lower	Upper
164	100		
129	93.6	65.3	121.3
131	90.8	64.0	119.0
166	126.3	88.8	165.0



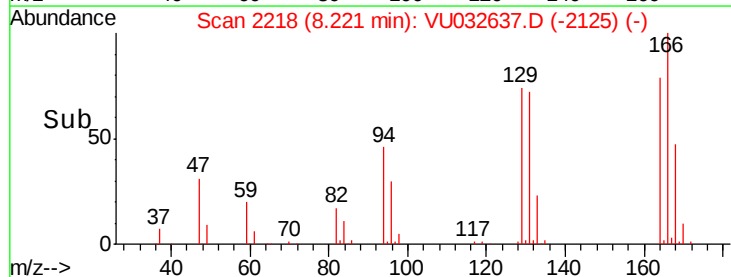
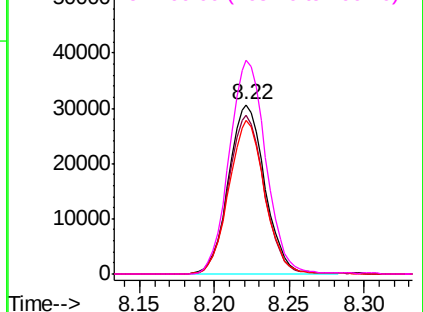
Abundance

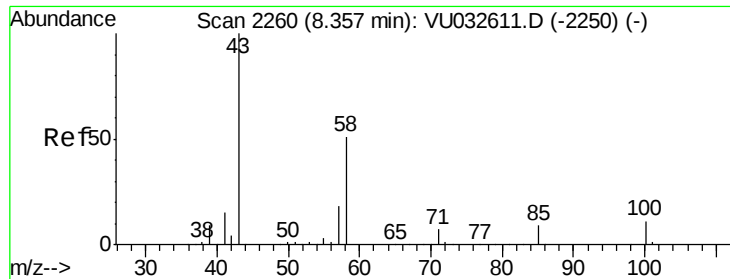
Ion 164.00 (163.70 to 164.70): V

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

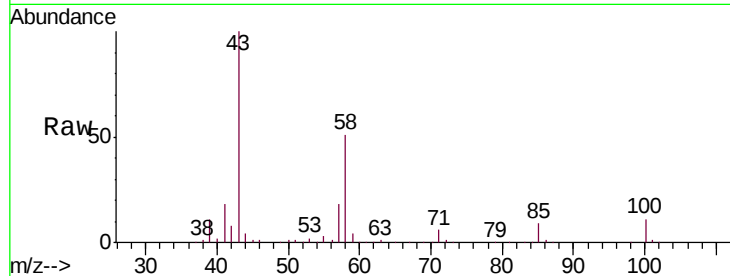




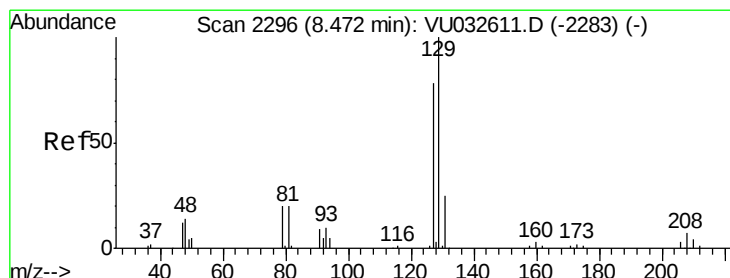
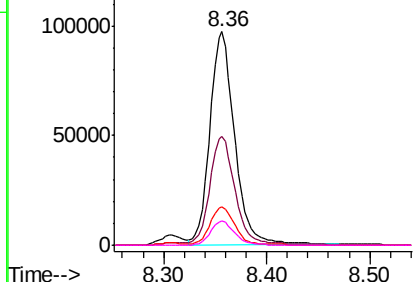
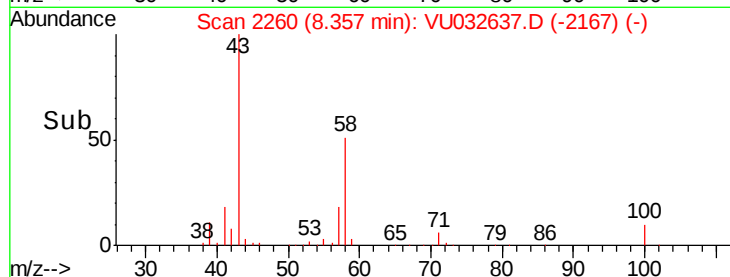
#48
2-Hexanone
Concen: 103.255 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU032637.D
Acq: 12 Jun 2019 09:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Tgt Ion: 43 Resp: 161904
Ion Ratio Lower Upper
43 100
58 51.4 42.0 63.0
57 17.5 14.6 22.0
100 11.1 9.2 13.8

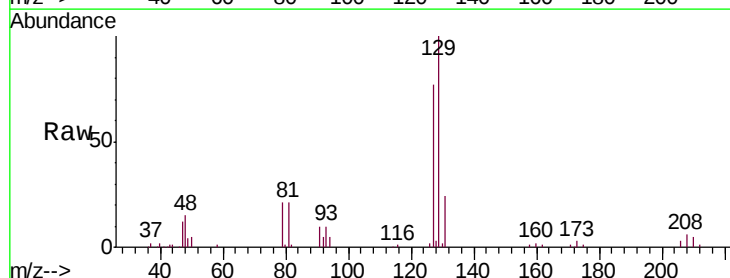


Abundance Ion 43.00 (42.70 to 43.70): VU032637.D (-2167) (-)
150000 Ion 58.00 (57.70 to 58.70): VU032637.D (-2167) (-)
Ion 57.00 (56.70 to 57.70): VU032637.D (-2167) (-)
Ion 100.00 (99.70 to 100.70): VU032637.D (-2167) (-)

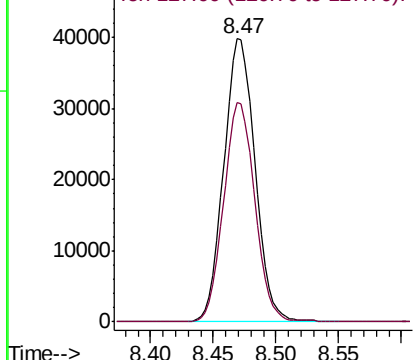
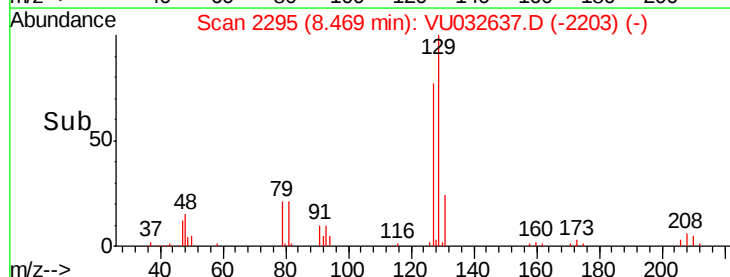


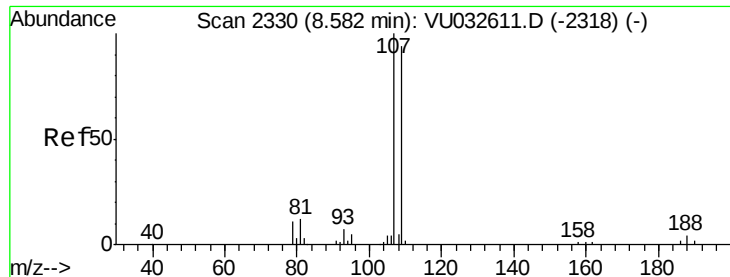
#49
Dibromochloromethane
Concen: 52.825 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032637.D
Acq: 12 Jun 2019 09:30

Tgt Ion: 129 Resp: 68900
Ion Ratio Lower Upper
129 100
127 77.4 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): VU032637.D (-2203) (-)
Ion 127.00 (126.70 to 127.70): VU032637.D (-2203) (-)

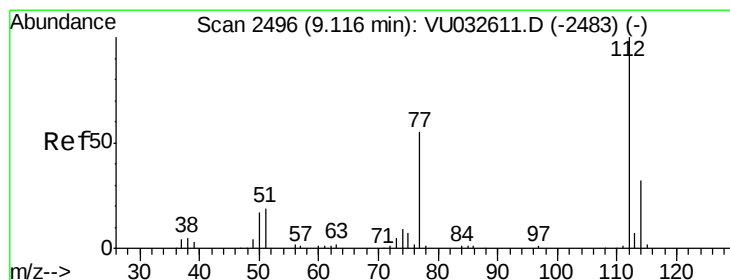
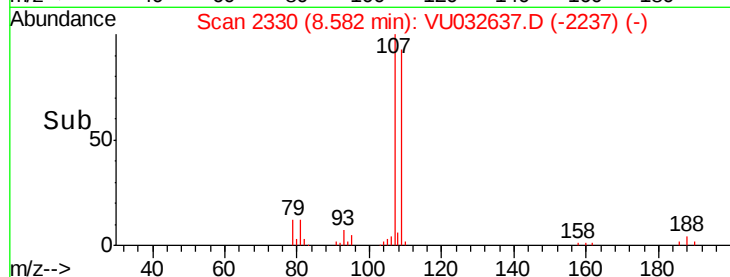
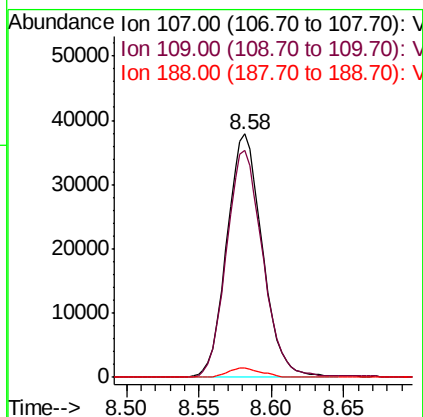
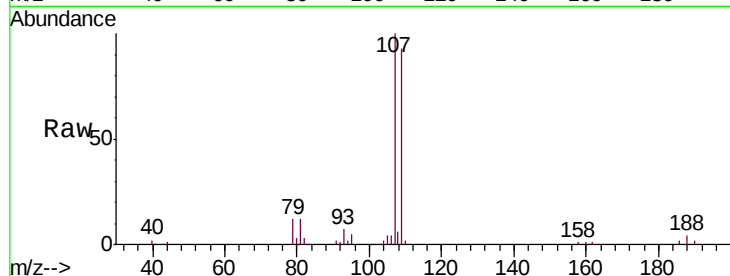




#50
1,2-Dibromoethane
Concen: 51.131 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU032637.D
Acq: 12 Jun 2019 09:30

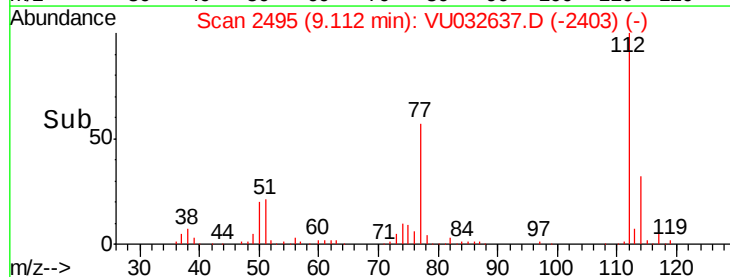
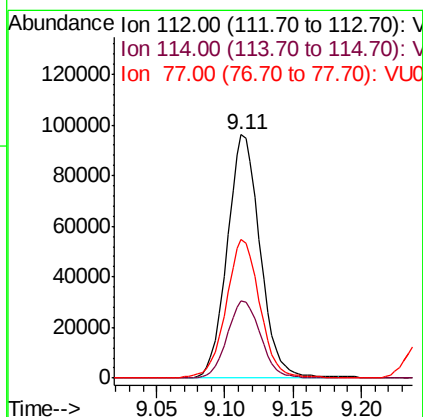
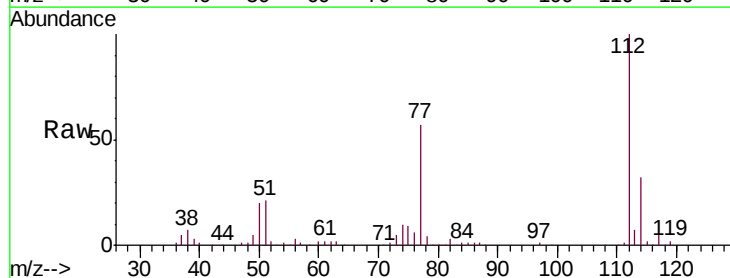
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

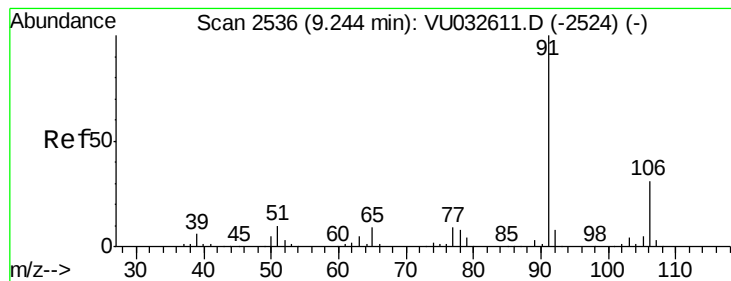
Tgt Ion:107 Resp: 64583
Ion Ratio Lower Upper
107 100
109 93.3 66.8 124.0
188 3.8 3.1 4.7



#51
Chlorobenzene
Concen: 51.064 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032637.D
Acq: 12 Jun 2019 09:30

Tgt Ion:112 Resp: 161287
Ion Ratio Lower Upper
112 100
114 31.5 22.6 42.0
77 56.8 46.1 69.1





#52

Ethylbenzene

Concen: 50.422 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

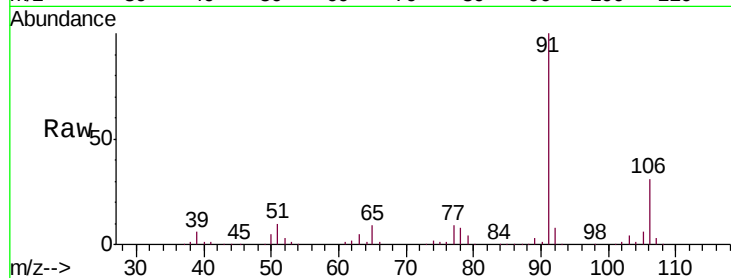
VSTD05046

Tgt Ion: 91 Resp: 275538

Ion Ratio Lower Upper

91 100

106 31.0 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) (-)

9.24

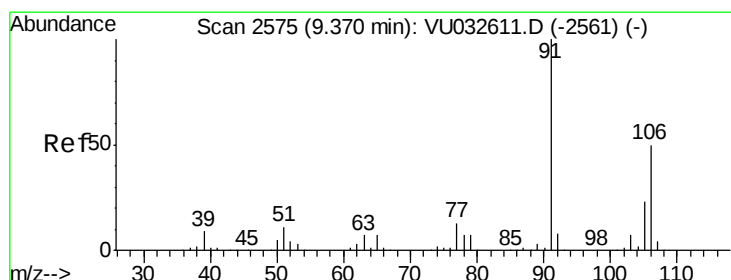
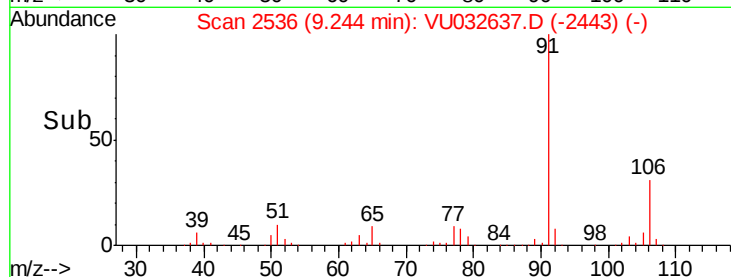
150000

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 50.195 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032637.D

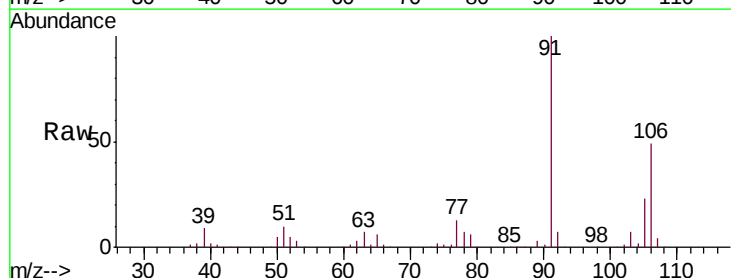
Acq: 12 Jun 2019 09:30

Tgt Ion: 106 Resp: 104302

Ion Ratio Lower Upper

106 100

91 205.2 141.7 263.1



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

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

9.37

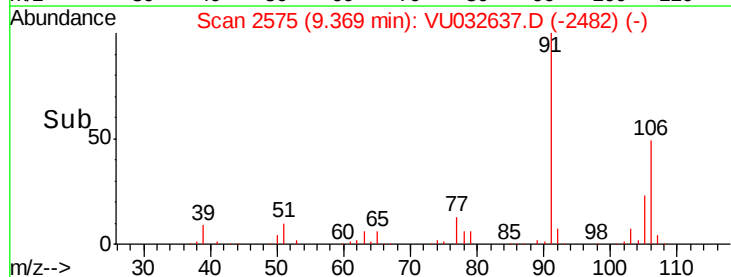
150000

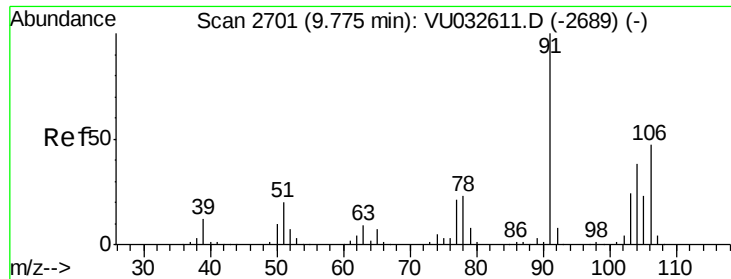
100000

50000

0

Time-->





#54

o-xylene

Concen: 50.054 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

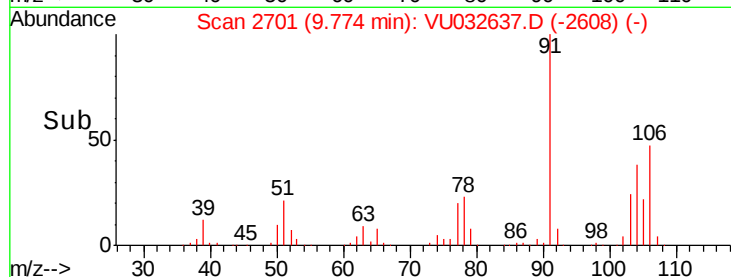
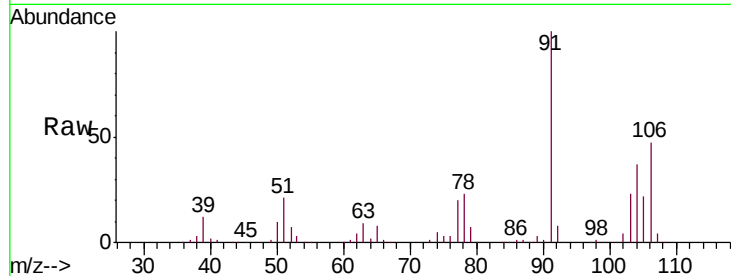
VSTD05046

Tgt Ion:106 Resp: 103268

Ion Ratio Lower Upper

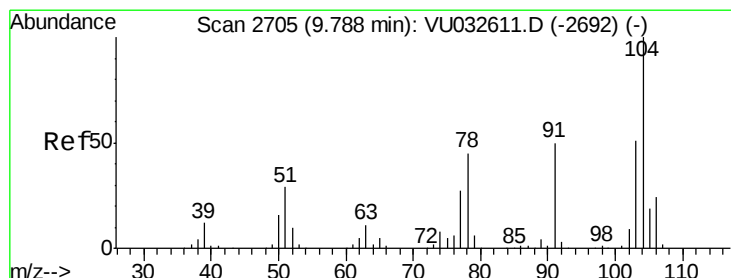
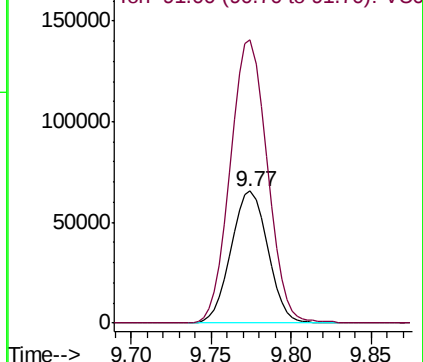
106 100

91 214.2 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.016 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU032637.D

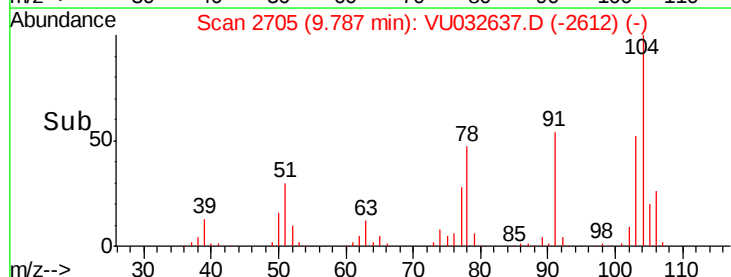
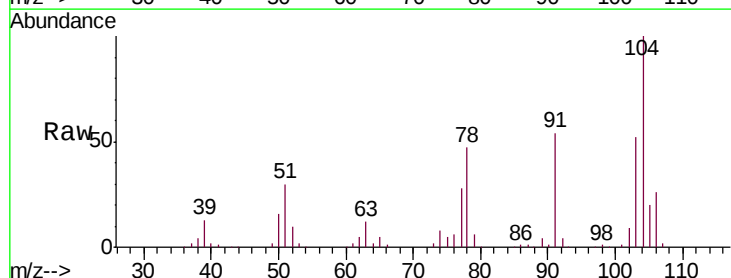
Acq: 12 Jun 2019 09:30

Tgt Ion:104 Resp: 175715

Ion Ratio Lower Upper

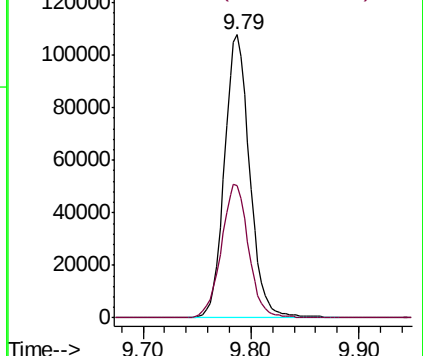
104 100

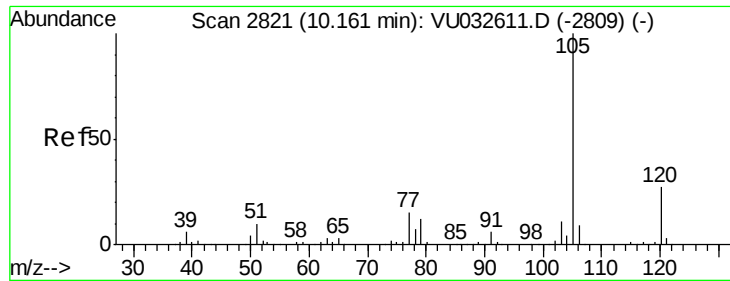
78 46.7 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.211 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

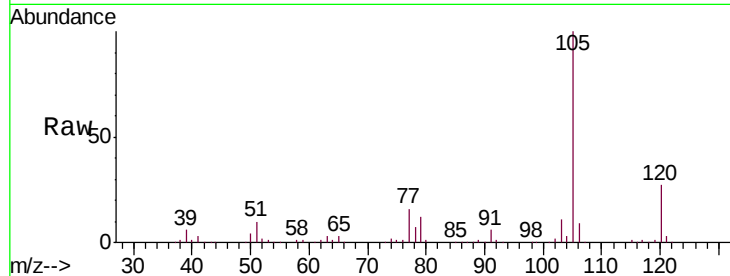
Tgt Ion: 105 Resp: 273161

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

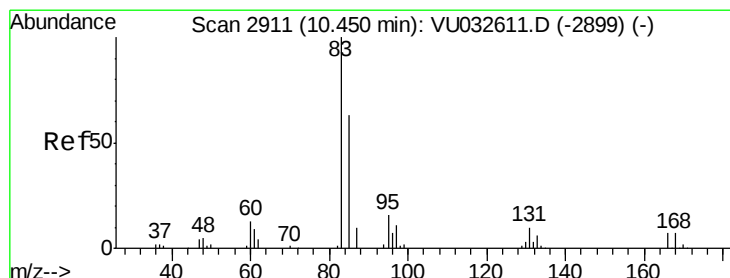
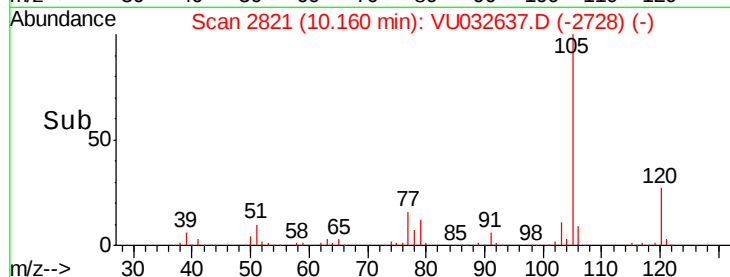
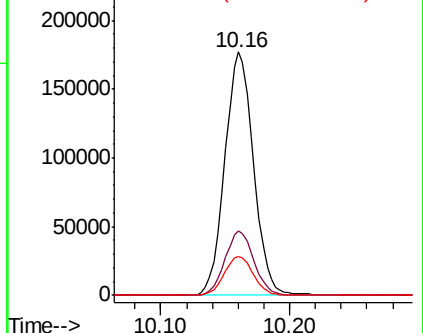
77 16.2 12.4 18.6



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: 49.646 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

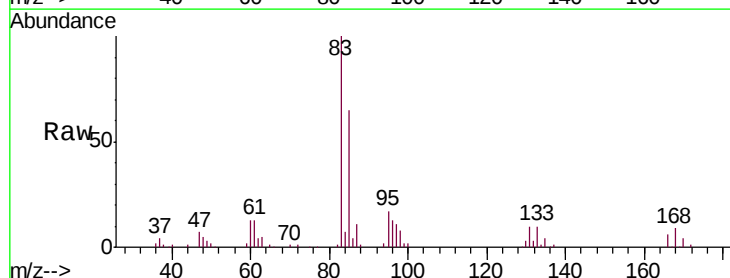
Tgt Ion: 83 Resp: 95217

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.7

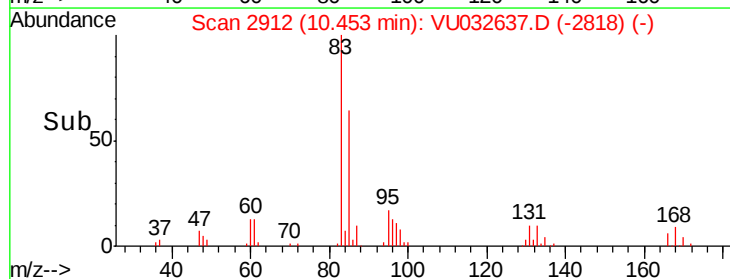
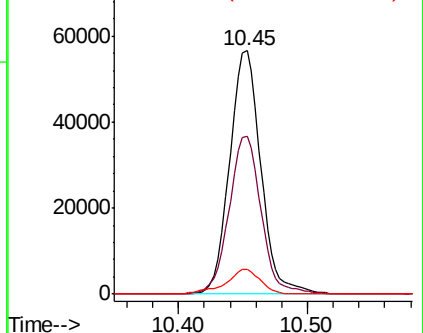
131 9.9 7.9 11.9

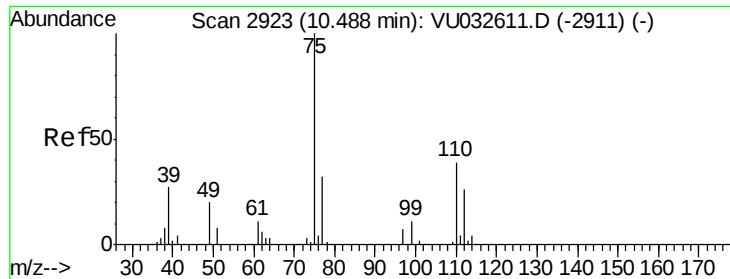


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.433 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

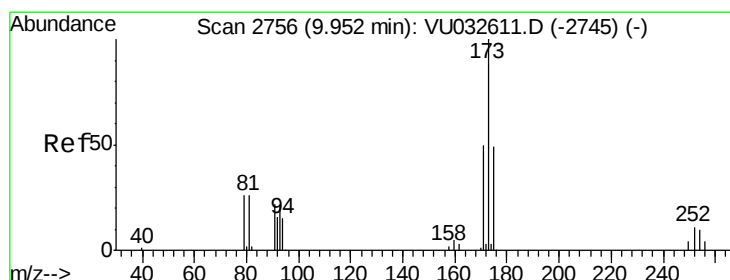
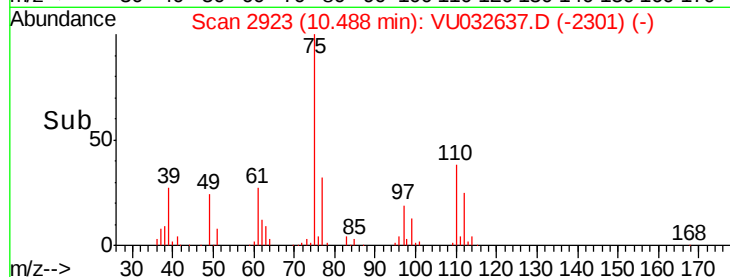
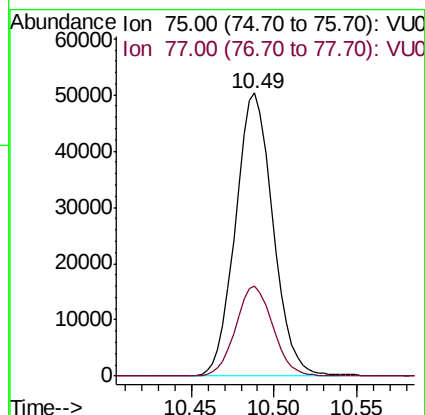
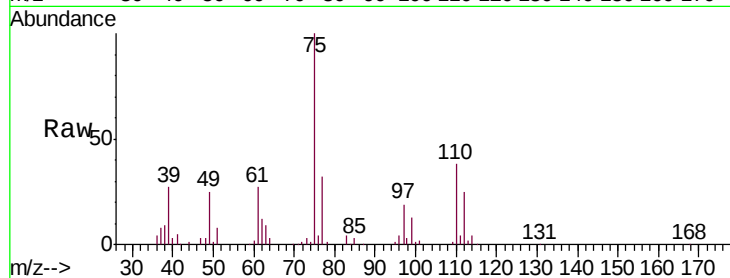
VSTD05046

Tgt Ion: 75 Resp: 79342

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4



#61

Bromoform

Concen: 51.698 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

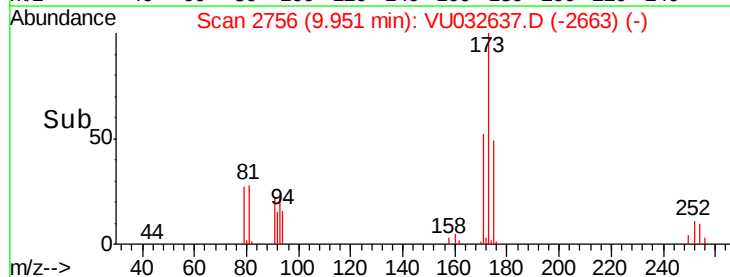
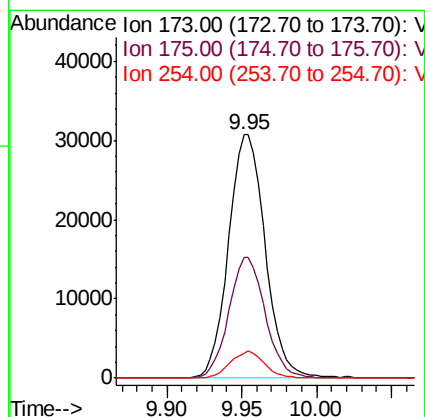
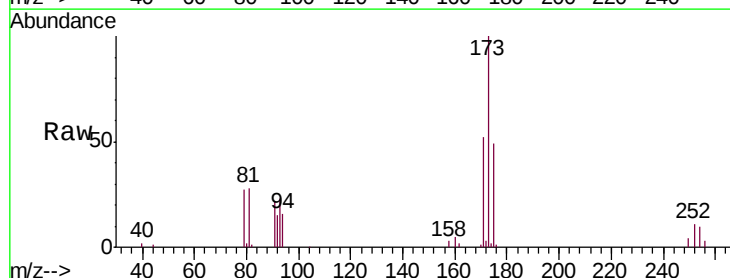
Tgt Ion: 173 Resp: 52529

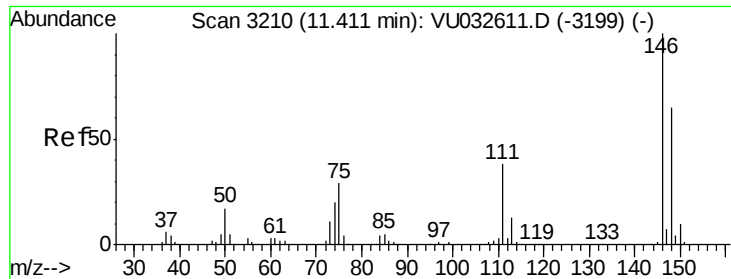
Ion Ratio Lower Upper

173 100

175 49.0 39.7 59.5

254 10.3 7.8 11.8

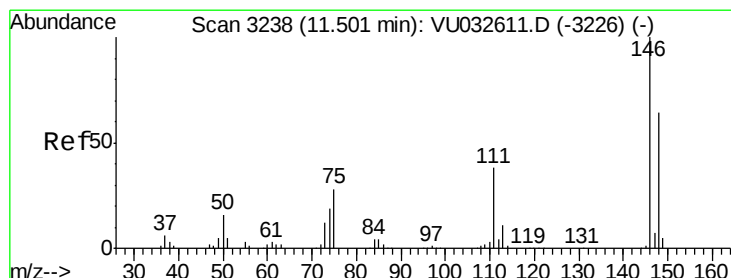
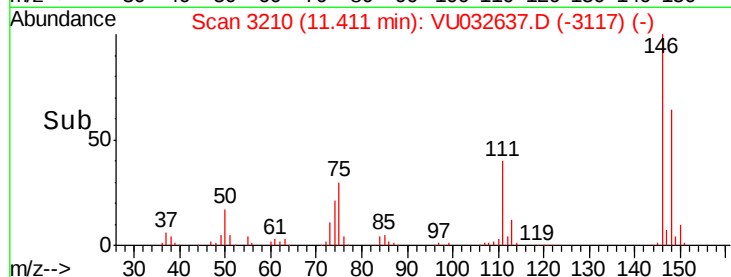
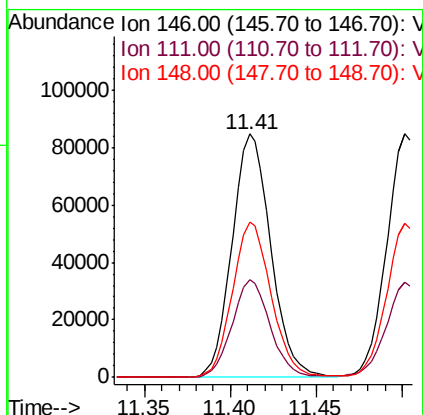
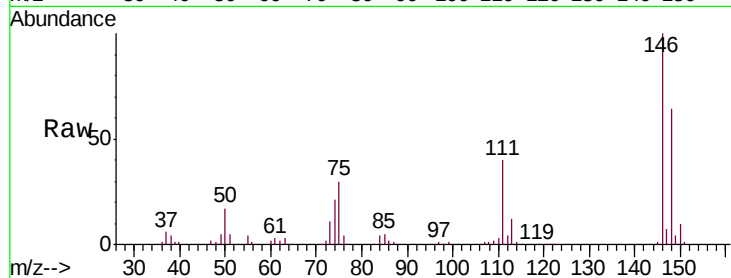




#62
 1,3-Dichlorobenzene
 Concen: 51.538 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU032637.D
 Acq: 12 Jun 2019 09:30

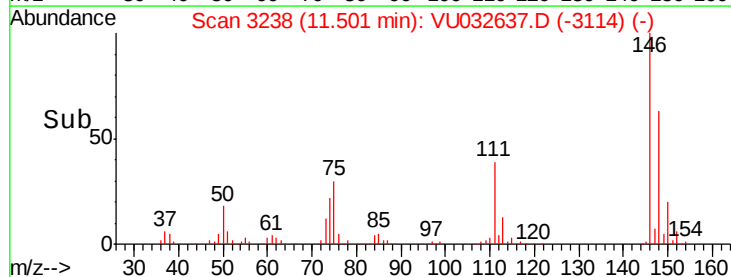
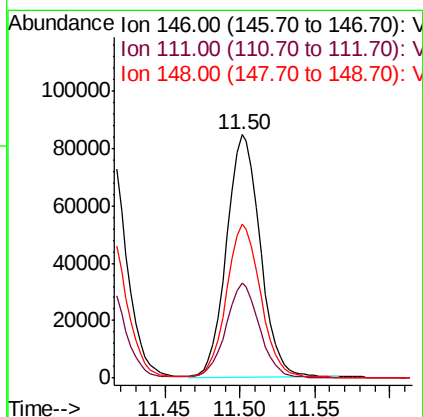
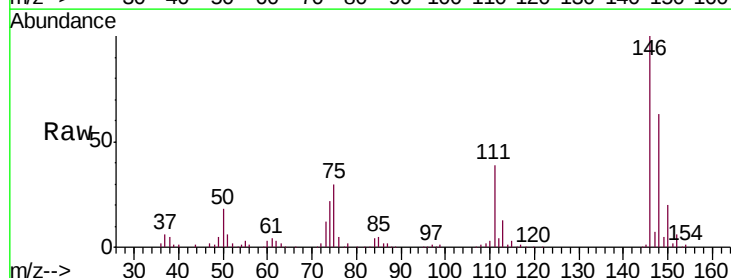
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

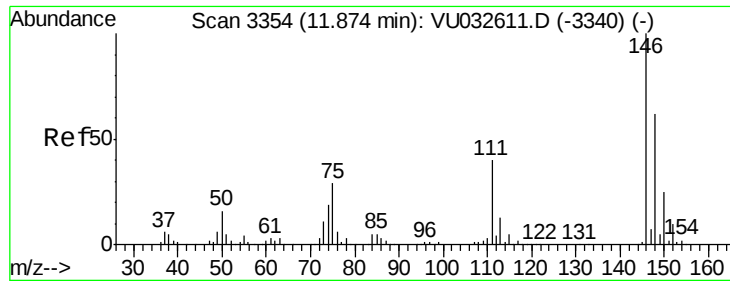
Tgt Ion:146 Resp: 132884
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.3 50.7
 148 63.8 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 50.304 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. -0.00 min
 Lab File: VU032637.D
 Acq: 12 Jun 2019 09:30

Tgt Ion:146 Resp: 132600
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.6 49.4
 148 63.0 44.9 83.5

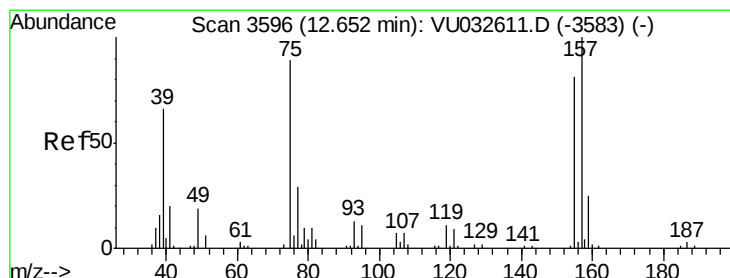
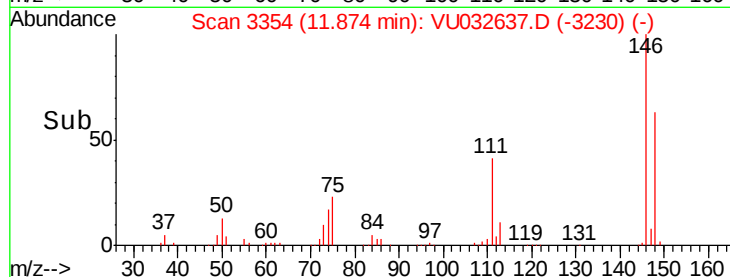
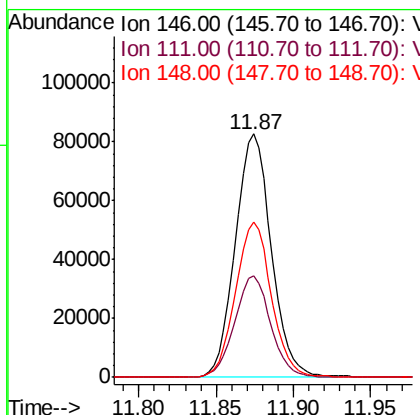
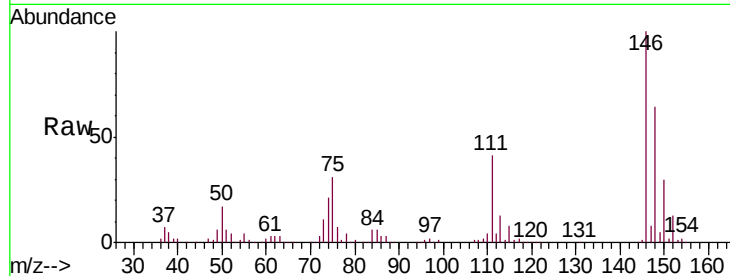




#65
 1,2-Dichlorobenzene
 Concen: 51.273 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032637.D
 Acq: 12 Jun 2019 09:30

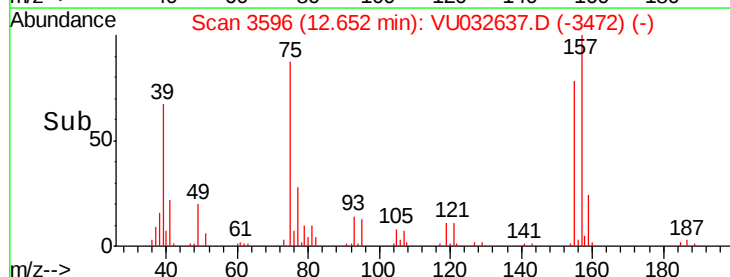
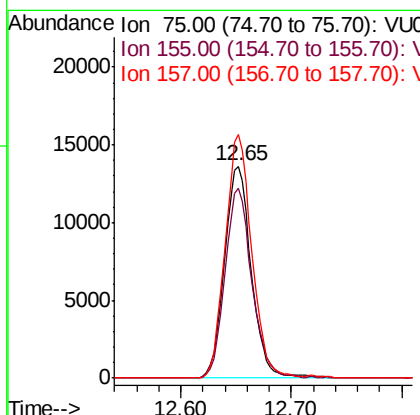
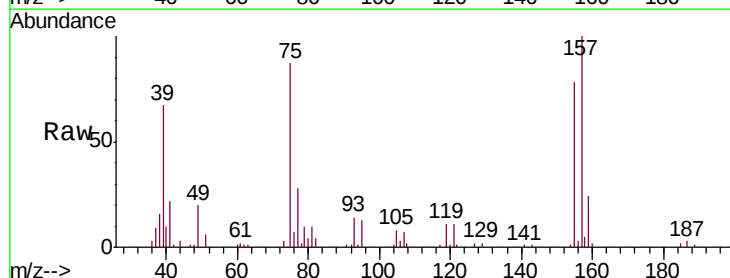
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

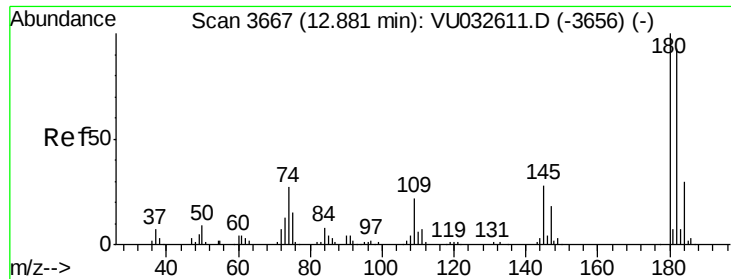
Tgt Ion: 146 Resp: 133655
 Ion Ratio Lower Upper
 146 100
 111 41.5 32.6 48.8
 148 63.6 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.184 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU032637.D
 Acq: 12 Jun 2019 09:30

Tgt Ion: 75 Resp: 22887
 Ion Ratio Lower Upper
 75 100
 155 89.6 73.1 109.7
 157 115.0 91.4 137.2

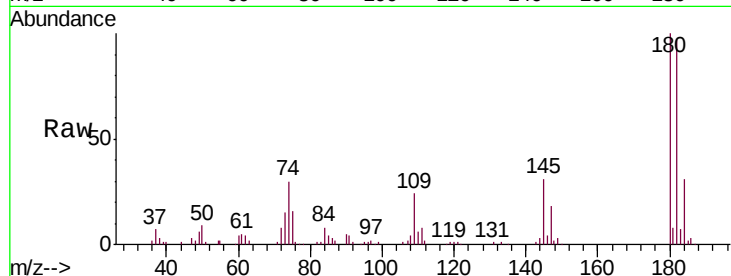




#67
 1,3,5-Trichlorobenzene
 Concen: 53.829 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032637.D
 Acq: 12 Jun 2019 09:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.2	117.4
184	30.5	24.2	36.2
145	29.9	23.9	35.9



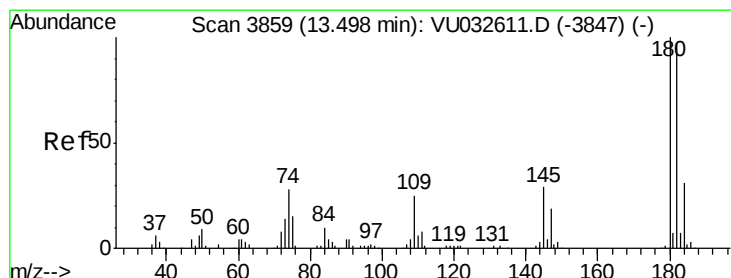
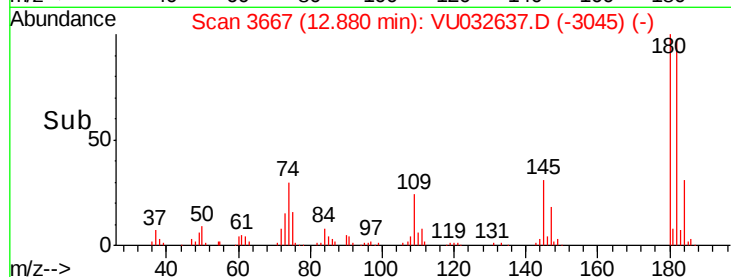
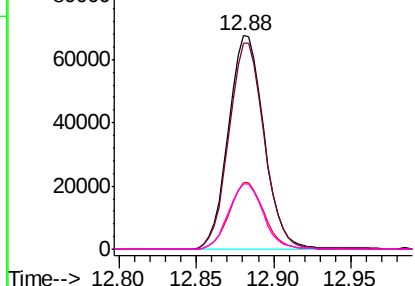
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

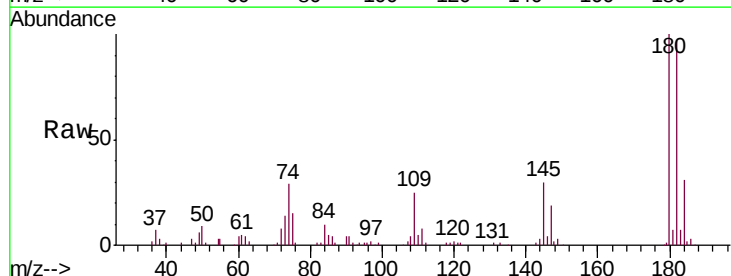
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 56.367 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032637.D
 Acq: 12 Jun 2019 09:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.5	114.7
145	29.6	23.8	35.6

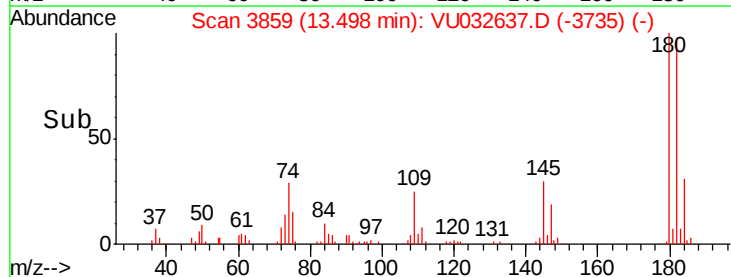
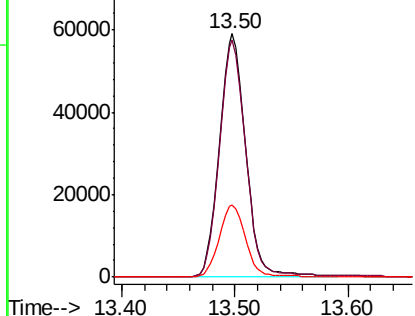


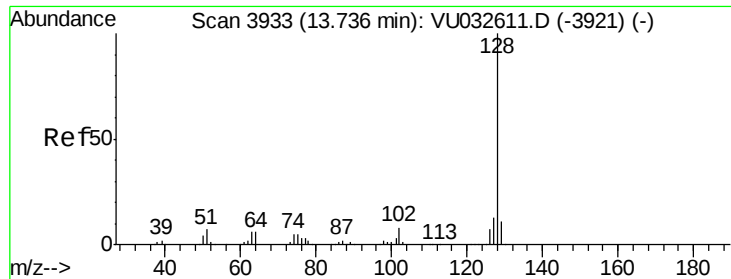
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.155 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

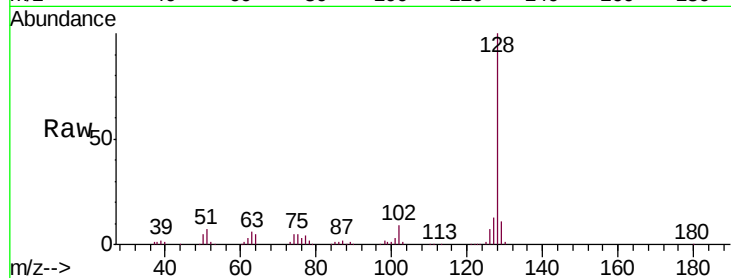
Tgt Ion:128 Resp: 284938

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

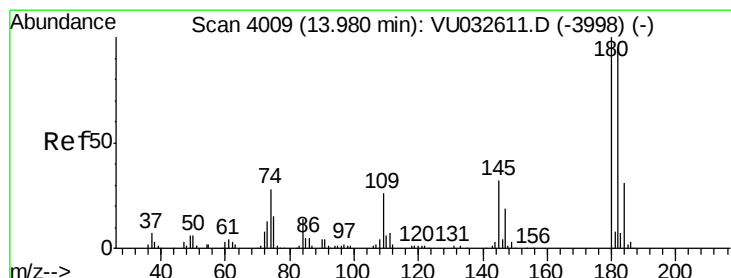
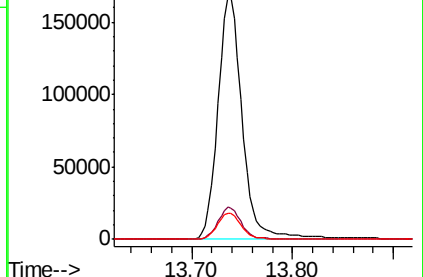
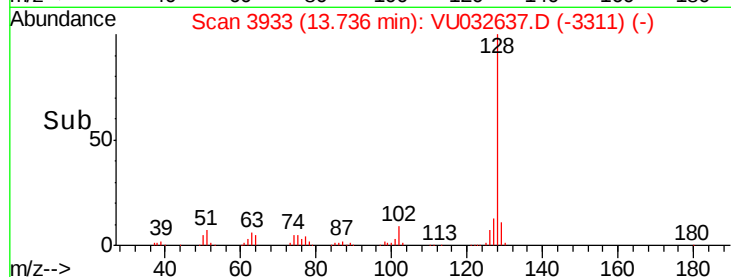
129 10.6 8.5 12.7



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: 56.726 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU032637.D

Acq: 12 Jun 2019 09:30

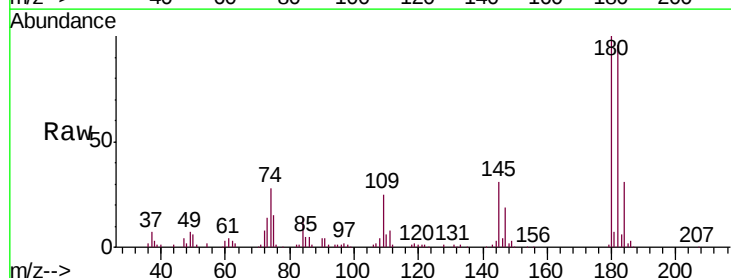
Tgt Ion:180 Resp: 100329

Ion Ratio Lower Upper

180 100

182 95.2 76.7 115.1

145 31.3 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

