

Data File : VU033051.D
Acq On : 25 Jun 2019 13:41
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Quant Time: Jun 26 07:11:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 26 07:06:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	190847	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	190529	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102972	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	49773	38.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.32%
7) Chloroethane-d5	1.67	69	44082	42.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.76%
11) 1,1-Dichloroethene-d2	2.27	63	116491	44.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.66%
21) 2-Butanone-d5	4.17	46	118100	108.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.79%
24) Chloroform-d	4.64	84	124504	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.30	65	84907	50.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.54%
32) Benzene-d6	5.33	84	227049	45.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.42%
36) 1,2-Dichloropropane-d6	6.32	67	75121	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.96%
41) Toluene-d8	7.56	98	216678	46.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.16%
43) trans-1,3-Dichloropropene-	7.84	79	39819	48.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.76%
47) 2-Hexanone-d5	8.31	63	71570	96.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.88%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	118420	48.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.84%
64) 1,2-Dichlorobenzene-d4	11.85	152	95269	47.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.62%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	103951	53.923 ug/L	99
3) Chloromethane	1.32	50	86483	49.497 ug/L	99
5) Vinyl chloride	1.40	62	87194	50.313 ug/L	99
6) Bromomethane	1.62	94	73518	72.091 ug/L	99
8) Chloroethane	1.69	64	51388	51.511 ug/L	99
9) Trichlorofluoromethane	1.88	101	127852	52.584 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	67680	53.070 ug/L	98
12) 1,1-Dichloroethene	2.28	96	59883	49.827 ug/L	91
13) Acetone	2.32	43	132923	88.649 ug/L	96
14) Carbon disulfide	2.47	76	181639	47.764 ug/L	100
15) Methyl Acetate	2.61	43	93756	55.161 ug/L	96
16) Methylene chloride	2.69	84	73979	52.459 ug/L	97
17) trans-1,2-Dichloroethene	2.97	96	65890	50.557 ug/L	97
18) Methyl tert-butyl Ether	2.99	73	222589	53.196 ug/L	98
19) 1,1-Dichloroethane	3.44	63	135151	54.395 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	74924	52.772 ug/L	95
22) 2-Butanone	4.25	43	153474	98.753 ug/L	97

Data File : VU033051.D
Acq On : 25 Jun 2019 13:41
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

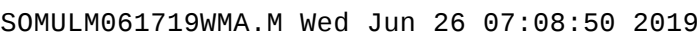
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

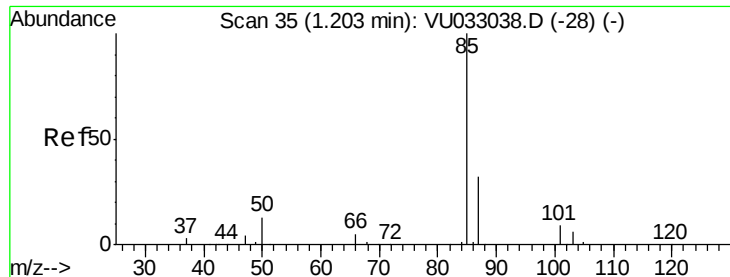
Quant Time: Jun 26 07:11:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 26 07:06:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	40297	54.407	ug/L	96
25) Chloroform	4.66	83	139877	54.591	ug/L	99
27) 1,2-Dichloroethane	5.40	62	117576	55.857	ug/L	99
29) Cyclohexane	4.99	56	114545	51.488	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	122756	52.883	ug/L	99
31) Carbon tetrachloride	5.13	117	108606	51.421	ug/L	99
33) Benzene	5.38	78	286509	52.200	ug/L	100
34) Trichloroethene	6.18	95	77492	52.842	ug/L	97
35) Methylcyclohexane	6.41	83	119705	52.808	ug/L	99
37) 1,2-Dichloropropane	6.42	63	79214	52.614	ug/L	99
38) Bromodichloromethane	6.75	83	106759	52.734	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	124195	52.947	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	260633	108.430	ug/L	98
42) Toluene	7.63	91	313923	52.862	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	116367	52.818	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	73159	52.206	ug/L	98
46) Tetrachloroethene	8.22	164	63201	52.594	ug/L	98
48) 2-Hexanone	8.36	43	214005	100.908	ug/L	100
49) Dibromochloromethane	8.47	129	86053	50.938	ug/L	97
50) 1,2-Dibromoethane	8.58	107	79989	51.398	ug/L	97
51) Chlorobenzene	9.11	112	204197	52.254	ug/L	99
52) Ethylbenzene	9.24	91	351936	53.540	ug/L	99
53) m,p-Xylene	9.37	106	132159	53.288	ug/L	98
54) o-xylene	9.77	106	127862	52.793	ug/L	96
55) Styrene	9.79	104	221704	52.766	ug/L	96
56) Isopropylbenzene	10.16	105	346756	53.126	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	131221	51.749	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	104815	52.166	ug/L	100
61) Bromoform	9.95	173	65379	48.624	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	164443	51.377	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	166204	50.275	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	167076	51.124	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	31120	49.913	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	130931	50.911	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	108242	48.914	ug/L	98
69) Naphthalene	13.74	128	313160	46.026	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	115143	49.151	ug/L	99

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

Quant Time: Jun 26 07:11:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 26 07:06:36 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 53.923 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

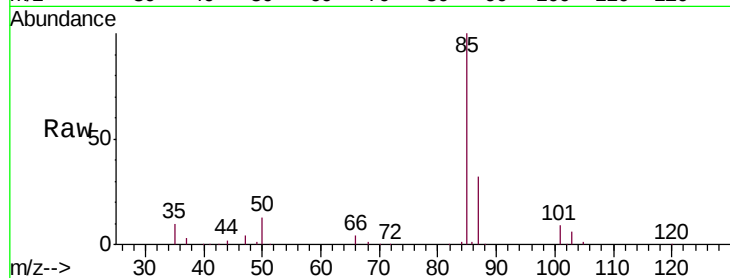
VSTD05040

Tgt Ion: 85 Resp: 103951

Ion Ratio Lower Upper

85 100

87 31.7 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU033038.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU033038.D (-28) (-)

120000

100000

80000

60000

40000

20000

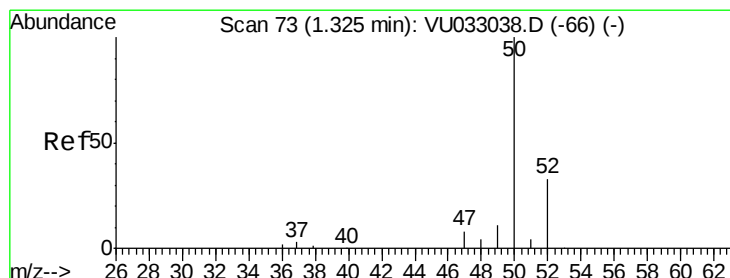
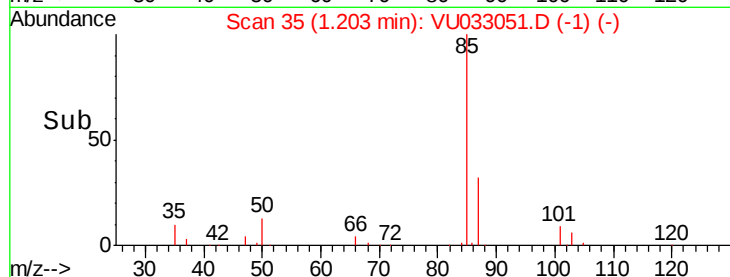
0

1.20

1.15

1.25

Time-->



#3

Chloromethane

Concen: 49.497 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU033051.D

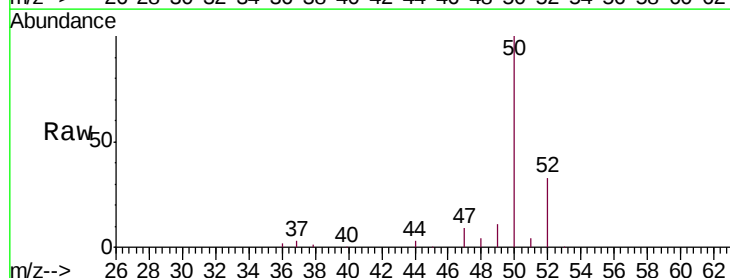
Acq: 25 Jun 2019 13:41

Tgt Ion: 50 Resp: 86483

Ion Ratio Lower Upper

50 100

52 33.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU033038.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU033038.D (-66) (-)

100000

80000

60000

40000

20000

0

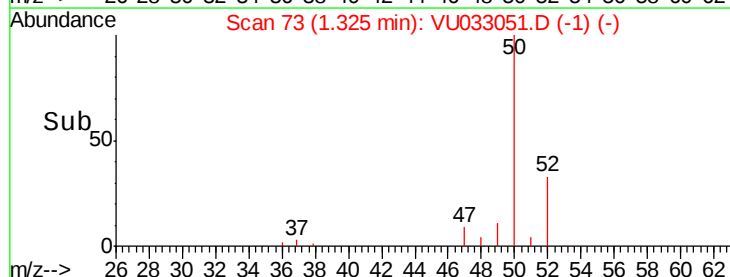
1.32

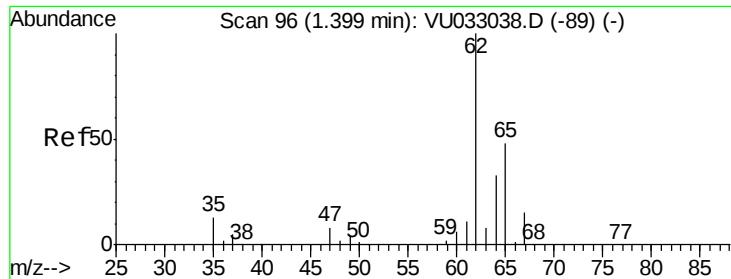
1.30

1.35

1.40

Time-->

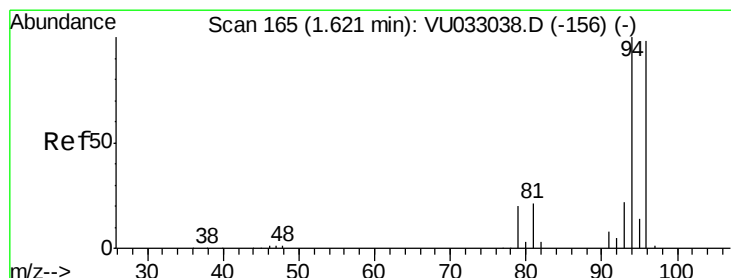
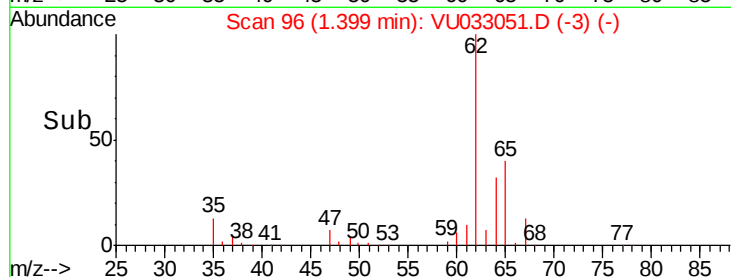
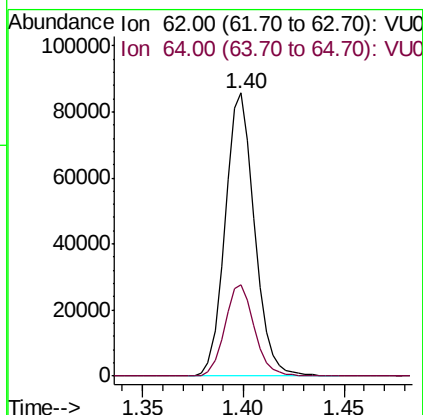
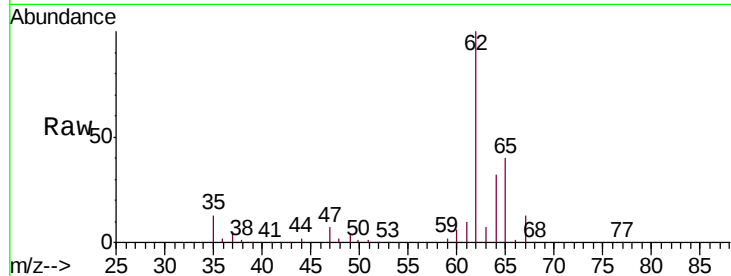




#5
 Vinyl chloride
 Concen: 50.313 ug/L
 RT: 1.40 min Scan# 96
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

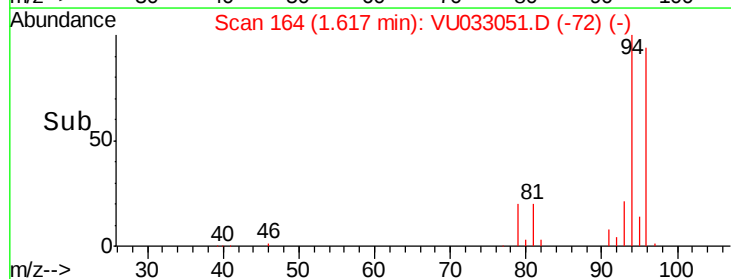
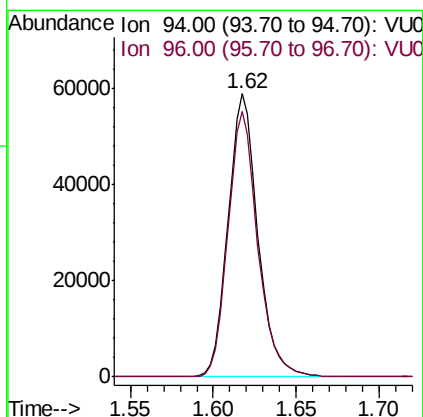
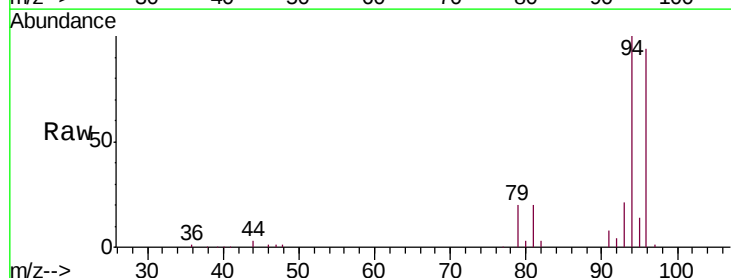
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

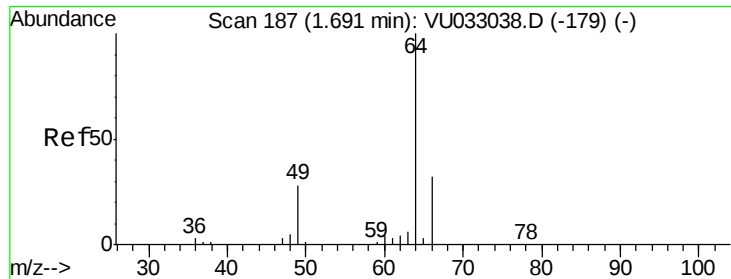
Tgt Ion: 62 Resp: 87194
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.0 42.6



#6
 Bromomethane
 Concen: 72.091 ug/L
 RT: 1.62 min Scan# 164
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

Tgt Ion: 94 Resp: 73518
 Ion Ratio Lower Upper
 94 100
 96 93.7 64.8 120.4





#8

Chloroethane

Concen: 51.511 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

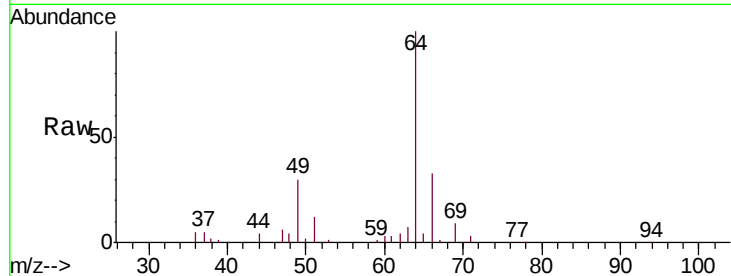
VSTD05040

Tgt Ion: 64 Resp: 51388

Ion Ratio Lower Upper

64 100

66 32.8 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU033038.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU033038.D (-179) (-)

1.69

40000

30000

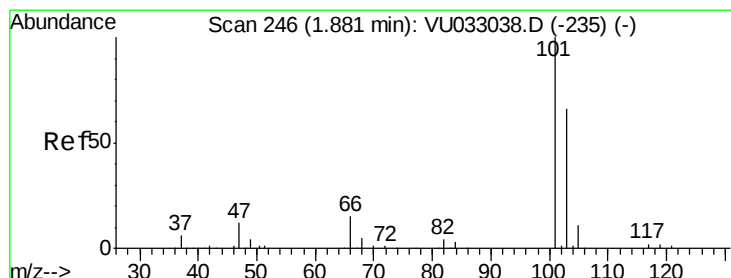
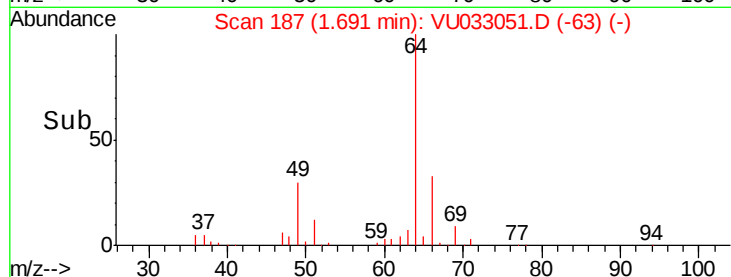
20000

10000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 52.584 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU033051.D

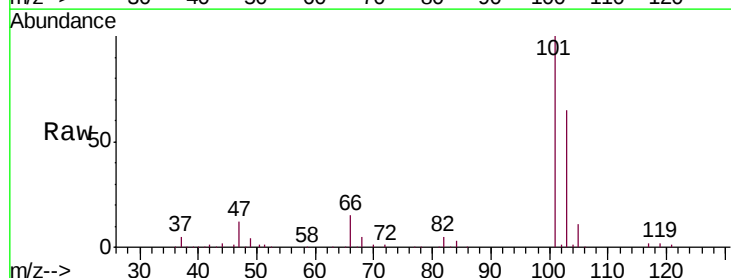
Acq: 25 Jun 2019 13:41

Tgt Ion: 101 Resp: 127852

Ion Ratio Lower Upper

101 100

103 65.0 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU033038.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU033038.D (-235) (-)

1.88

100000

80000

60000

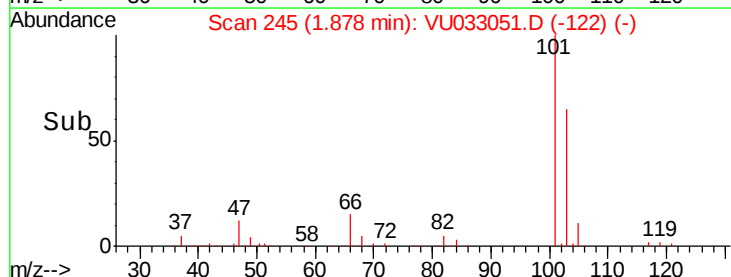
40000

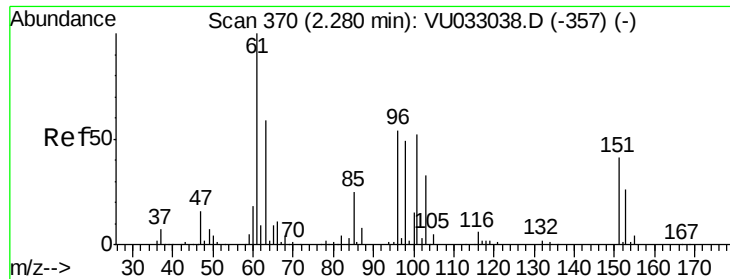
20000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 53.070 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

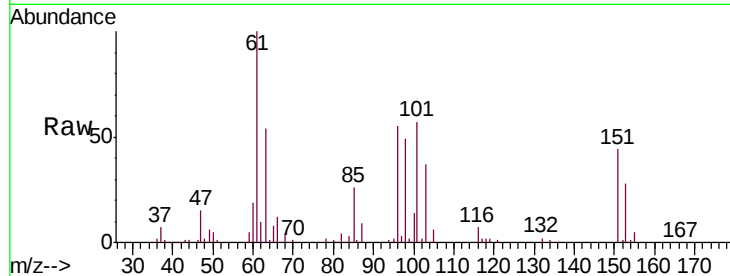
Tgt Ion:101 Resp: 67680

Ion Ratio Lower Upper

101 100

85 46.6 36.8 55.2

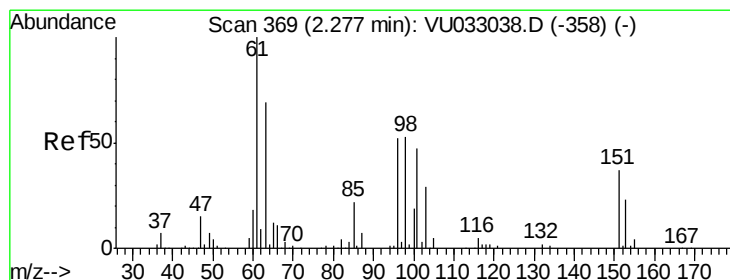
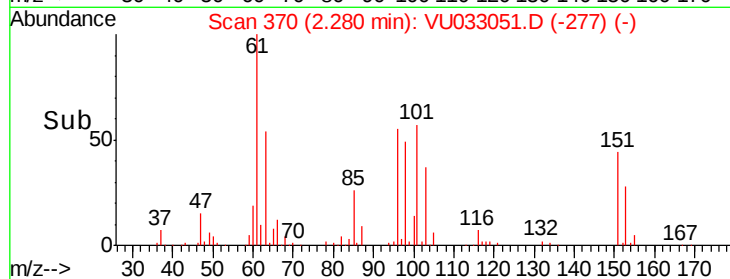
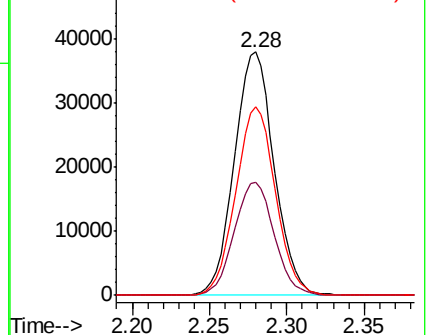
151 77.3 63.6 95.4



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: 49.827 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

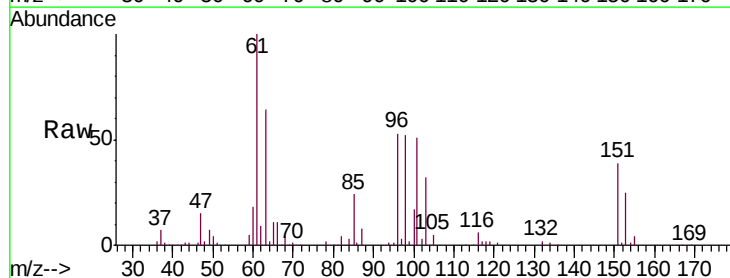
Tgt Ion: 96 Resp: 59883

Ion Ratio Lower Upper

96 100

61 189.1 131.0 243.4

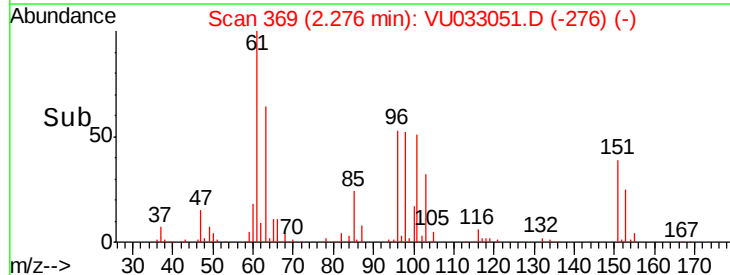
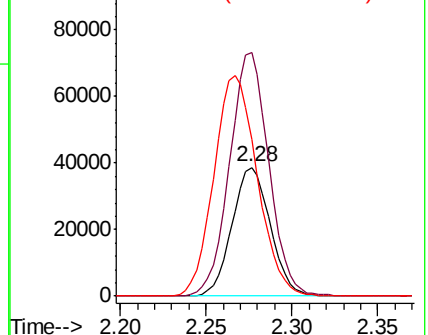
63 121.3 101.0 187.6

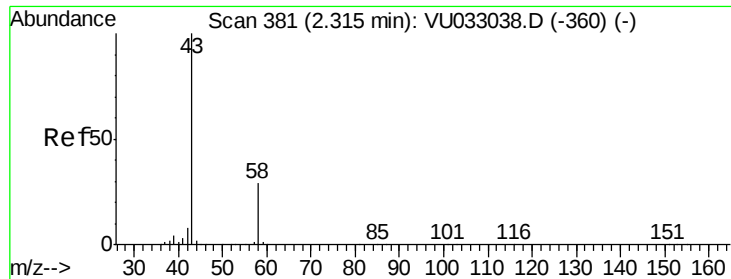


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 88.649 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

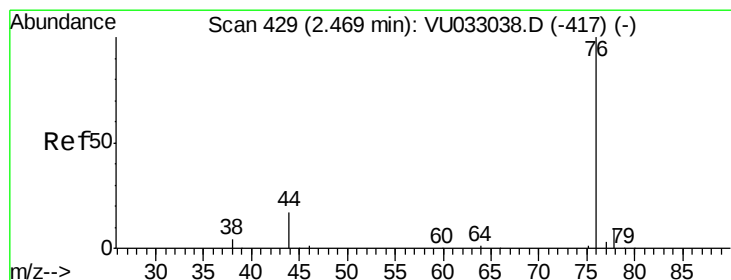
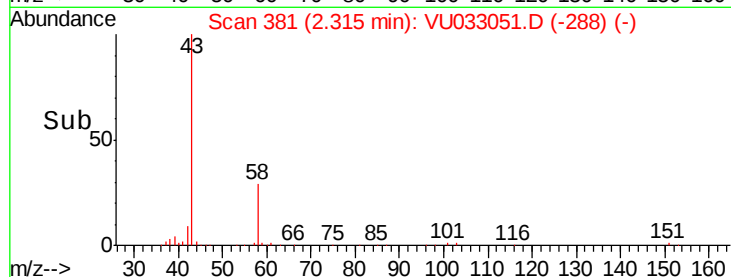
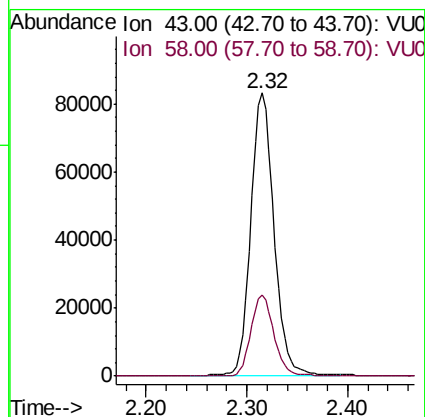
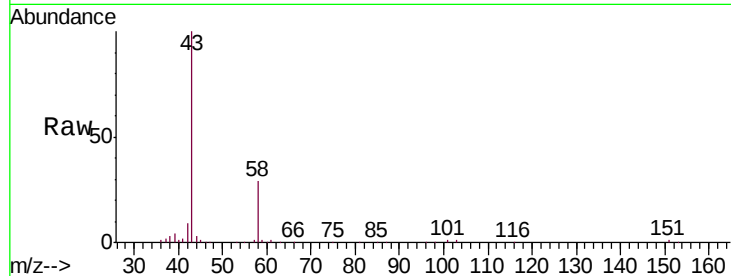
VSTD05040

Tgt Ion: 43 Resp: 132923

Ion Ratio Lower Upper

43 100

58 28.2 0.0 60.6



#14

Carbon disulfide

Concen: 47.764 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU033051.D

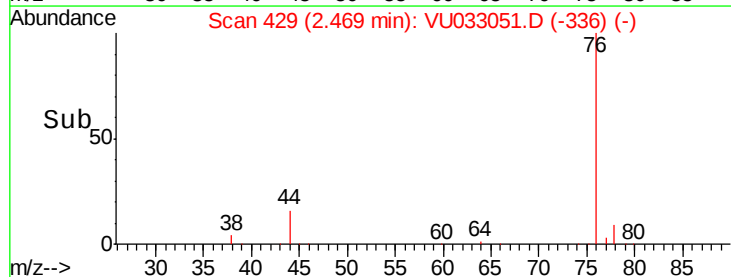
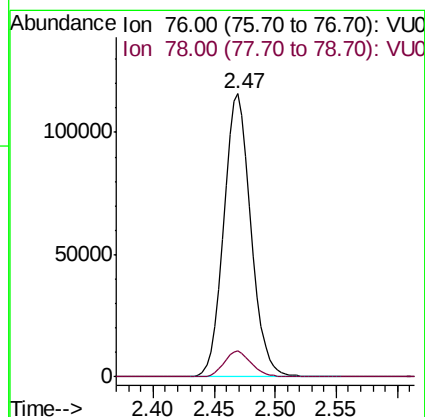
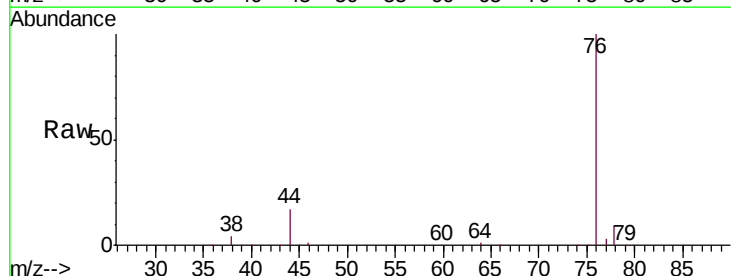
Acq: 25 Jun 2019 13:41

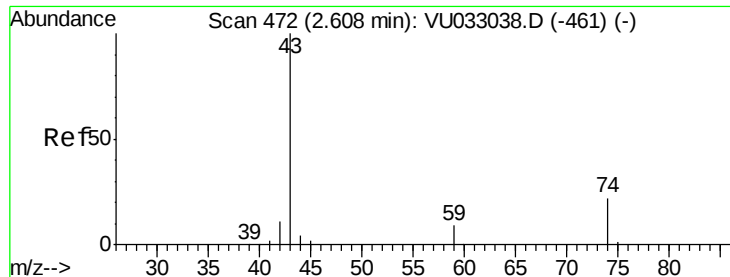
Tgt Ion: 76 Resp: 181639

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 55.161 ug/L

RT: 2.61 min Scan# 472

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

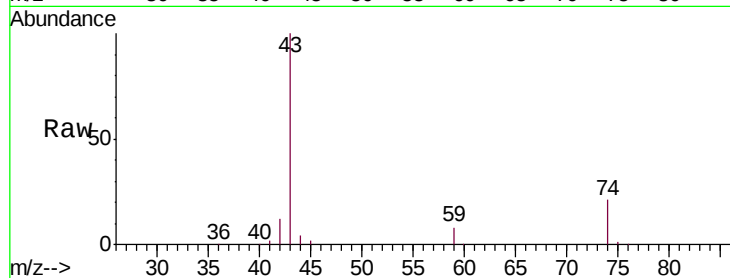
VSTD05040

Tgt Ion: 43 Resp: 93756

Ion Ratio Lower Upper

43 100

74 20.8 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VU033051.D (-379) (-)

Ion 74.00 (73.70 to 74.70): VU033051.D (-379) (-)

2.61

60000

50000

40000

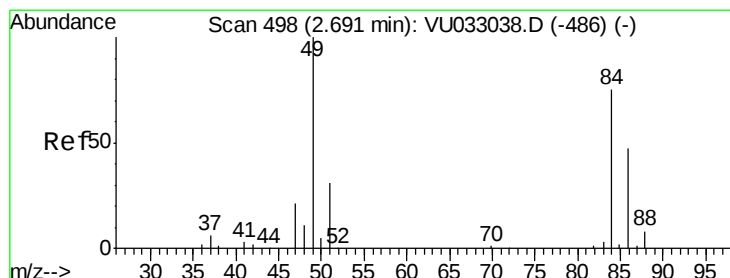
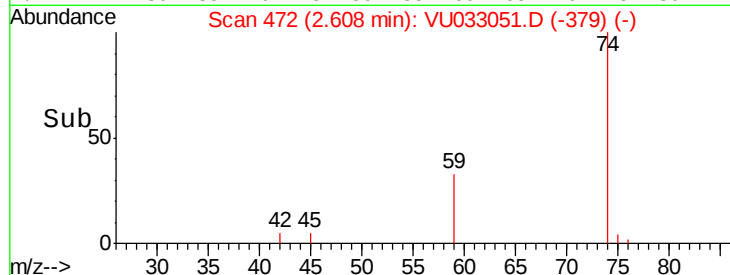
30000

20000

10000

0

Time--> 2.50 2.60 2.70



#16

Methylene chloride

Concen: 52.459 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

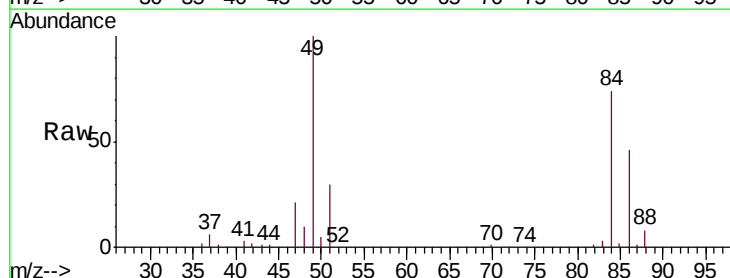
Tgt Ion: 84 Resp: 73979

Ion Ratio Lower Upper

84 100

86 62.5 45.5 84.5

49 134.6 92.1 171.1



Abundance Ion 84.00 (83.70 to 84.70): VU033051.D (-405) (-)

Ion 86.00 (85.70 to 86.70): VU033051.D (-405) (-)

Ion 49.00 (48.70 to 49.70): VU033051.D (-405) (-)

2.69

80000

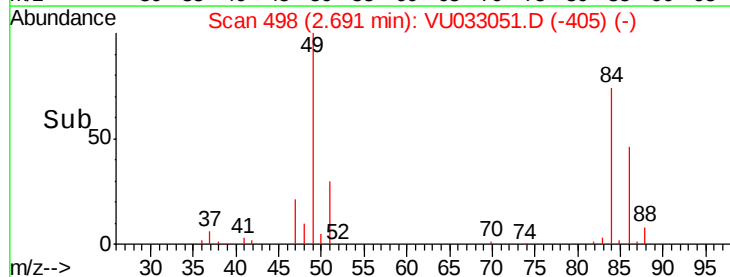
60000

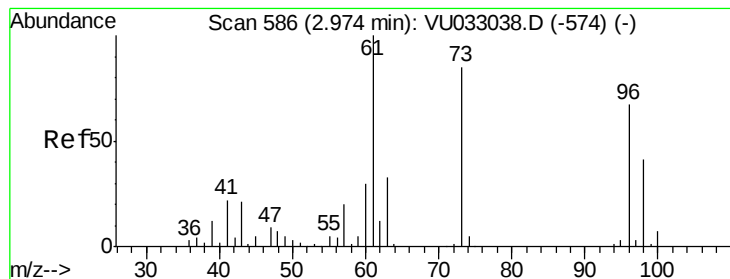
40000

20000

0

Time--> 2.60 2.65 2.70 2.75 2.80





#17

trans-1,2-Dichloroethene

Concen: 50.557 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

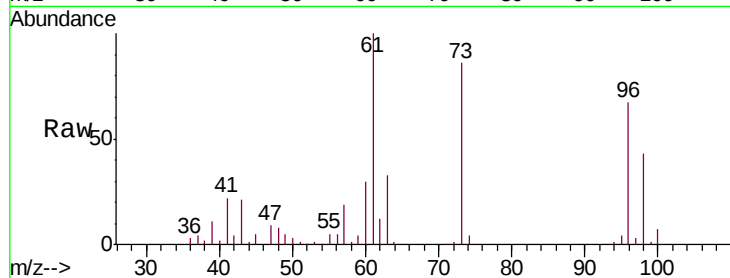
Tgt Ion: 96 Resp: 65890

Ion Ratio Lower Upper

96 100

61 148.5 100.9 187.5

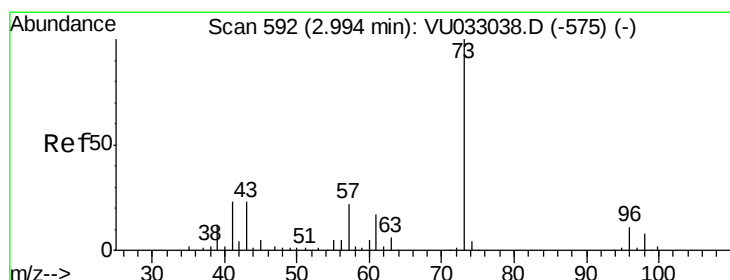
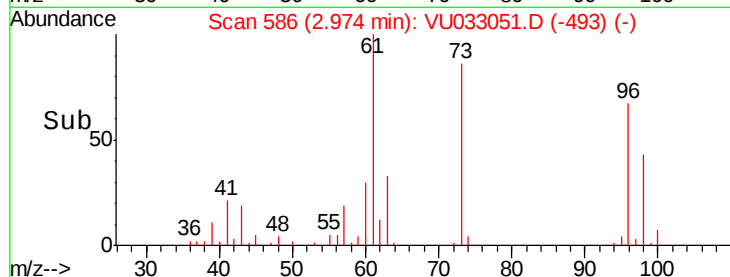
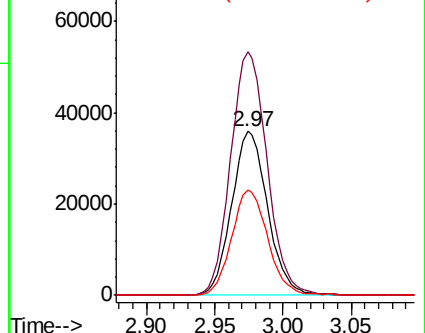
98 64.5 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU033038.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU033038.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU033038.D (-574) (-)



#18

Methyl tert-butyl Ether

Concen: 53.196 ug/L

RT: 2.99 min Scan# 591

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

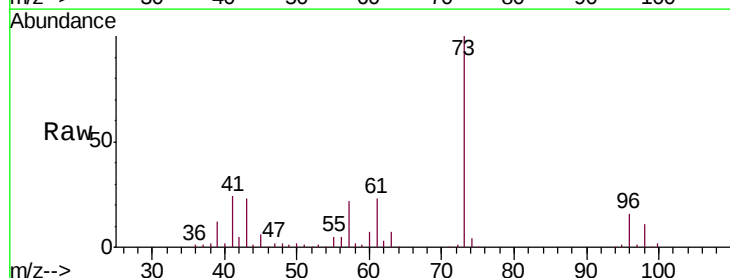
Tgt Ion: 73 Resp: 222589

Ion Ratio Lower Upper

73 100

43 23.7 17.8 26.8

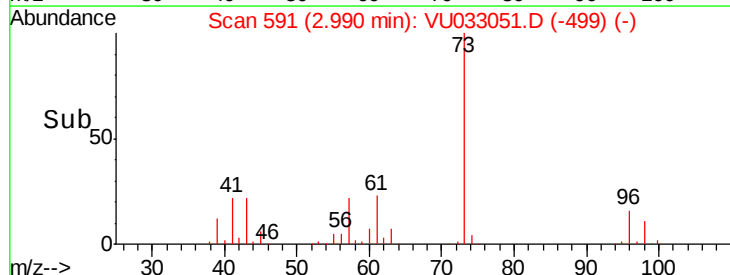
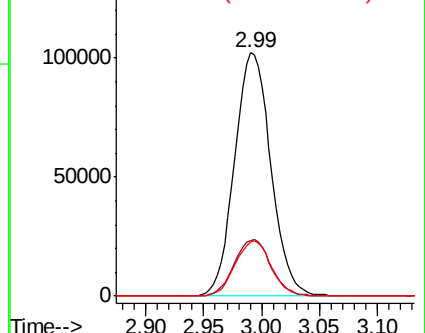
57 22.5 17.8 26.6

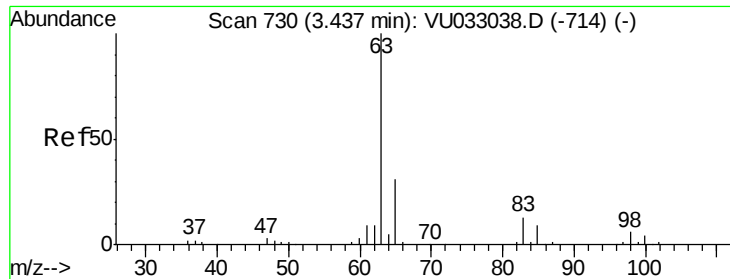


Abundance Ion 73.00 (72.70 to 73.70): VU033038.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU033038.D (-575) (-)

Ion 57.00 (56.70 to 57.70): VU033038.D (-575) (-)

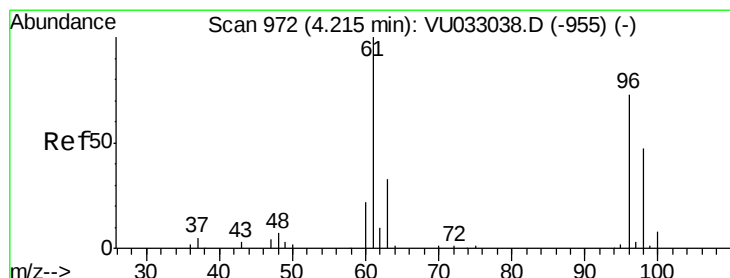
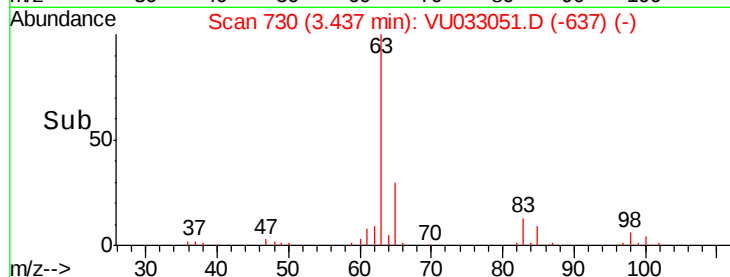
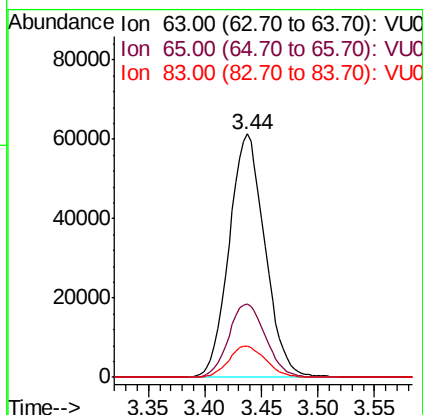
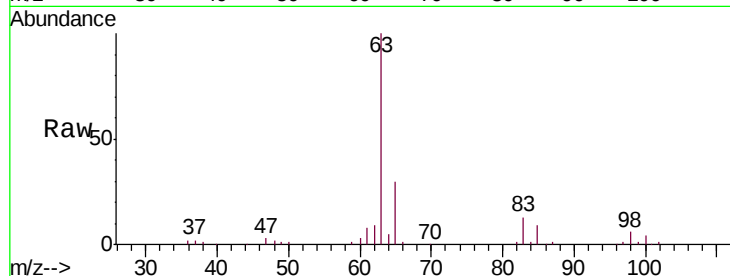




#19
 1,1-Dichloroethane
 Concen: 54.395 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

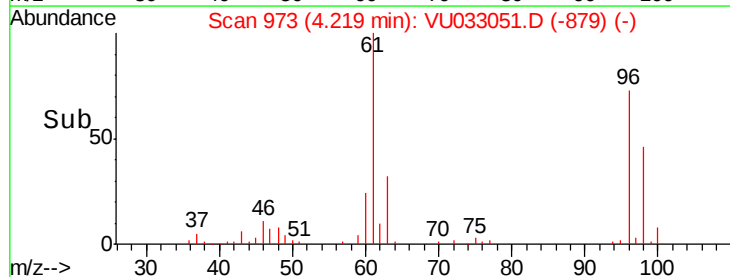
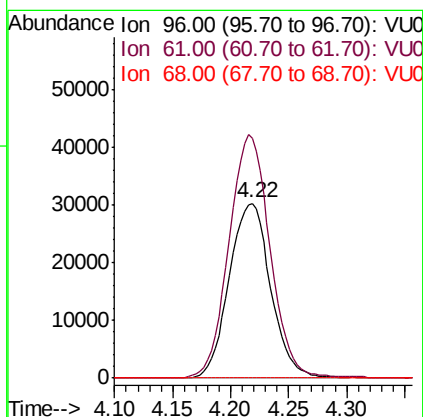
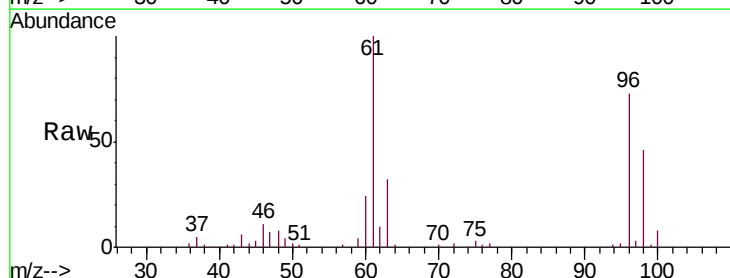
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

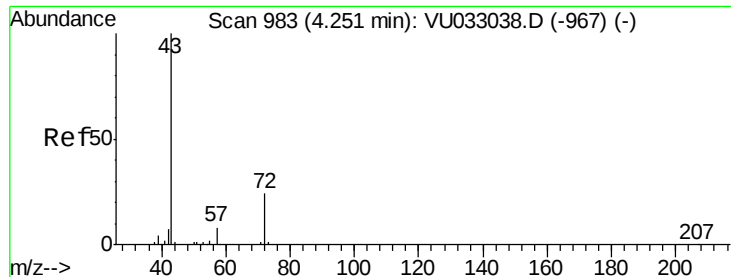
Tgt Ion: 63 Resp: 135151
 Ion Ratio Lower Upper
 63 100
 65 29.9 22.0 41.0
 83 12.6 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 52.772 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

Tgt Ion: 96 Resp: 74924
 Ion Ratio Lower Upper
 96 100
 61 137.6 92.4 171.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 98.753 ug/L

RT: 4.25 min Scan# 983

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

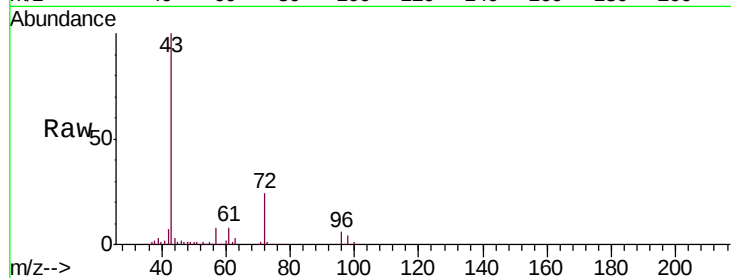
VSTD05040

Tgt Ion: 43 Resp: 153474

Ion Ratio Lower Upper

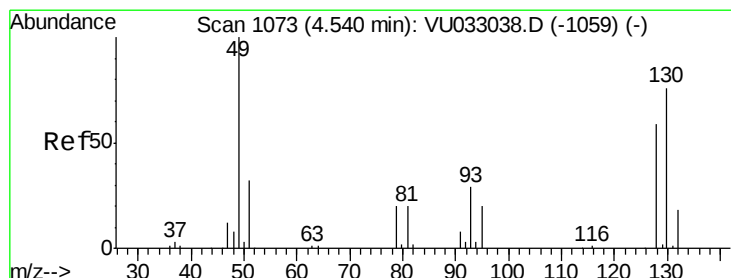
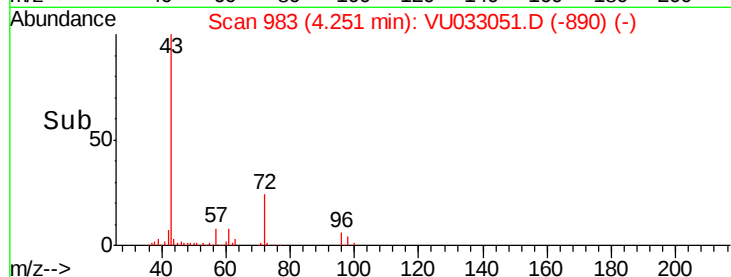
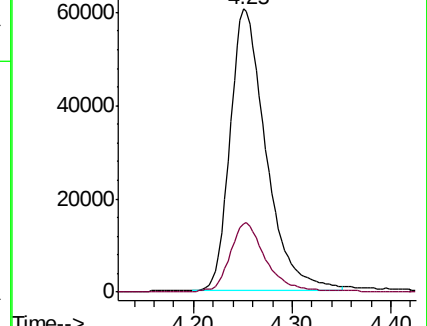
43 100

72 24.3 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU033038.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU033038.D (-967) (-)



#23

Bromochloromethane

Concen: 54.407 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Tgt Ion: 128 Resp: 40297

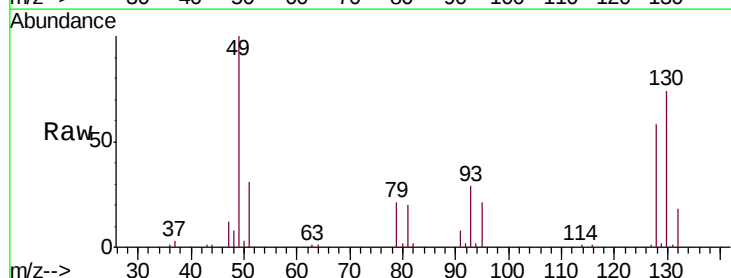
Ion Ratio Lower Upper

128 100

49 173.2 114.7 212.9

130 128.9 89.4 166.0

51 53.6 42.0 63.0

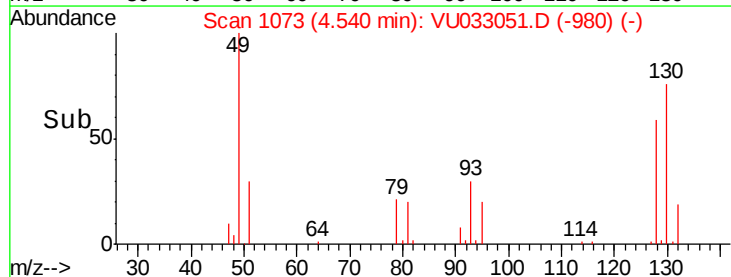
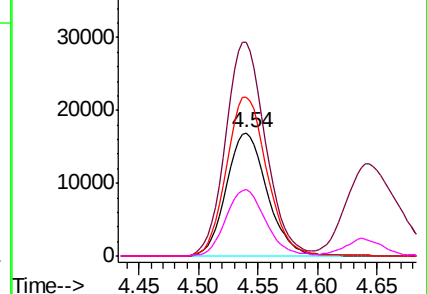


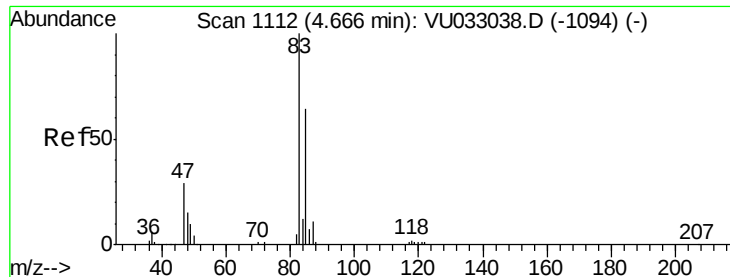
Abundance Ion 128.00 (127.70 to 128.70): VU033038.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU033038.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU033038.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU033038.D (-1059) (-)





#25

Chloroform

Concen: 54.591 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

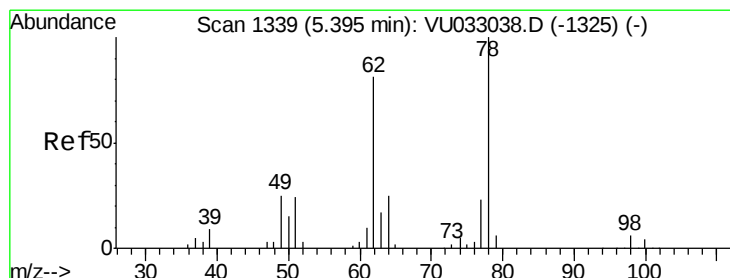
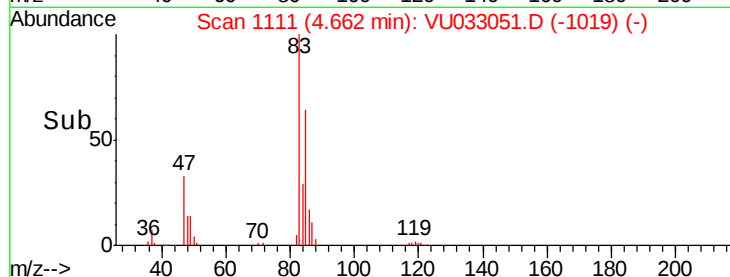
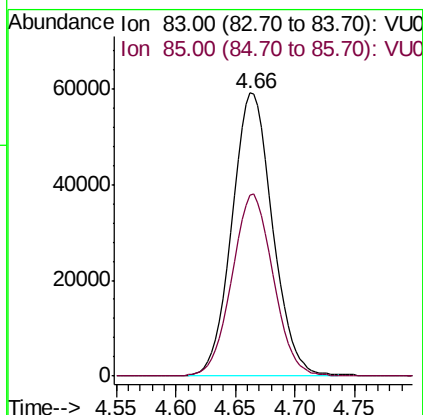
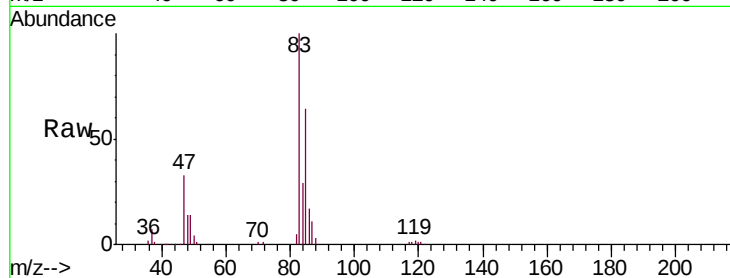
VSTD05040

Tgt Ion: 83 Resp: 139877

Ion Ratio Lower Upper

83 100

85 63.7 44.2 82.2



#27

1,2-Dichloroethane

Concen: 55.857 ug/L

RT: 5.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VU033051.D

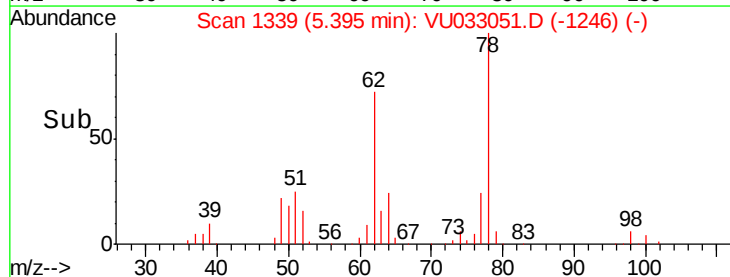
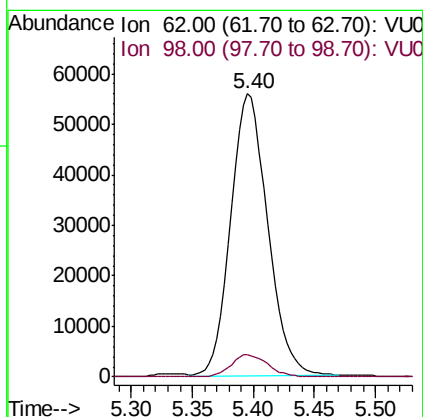
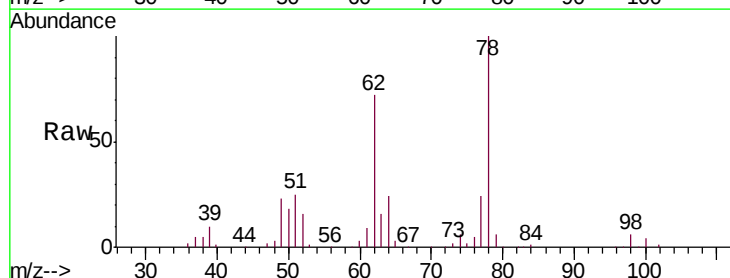
Acq: 25 Jun 2019 13:41

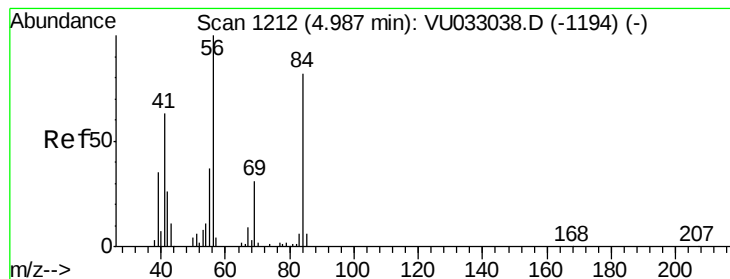
Tgt Ion: 62 Resp: 117576

Ion Ratio Lower Upper

62 100

98 7.8 6.6 10.0





#29

Cyclohexane

Concen: 51.488 ug/L

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

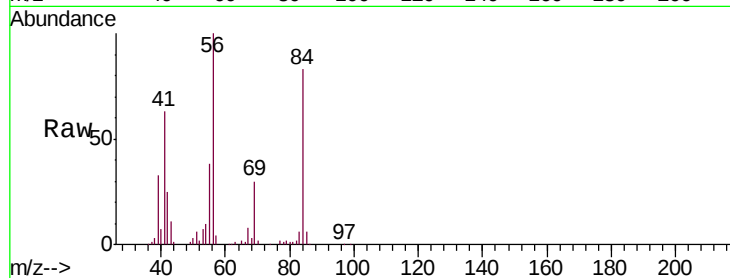
Tgt Ion: 56 Resp: 114545

Ion Ratio Lower Upper

56 100

69 29.3 24.2 36.4

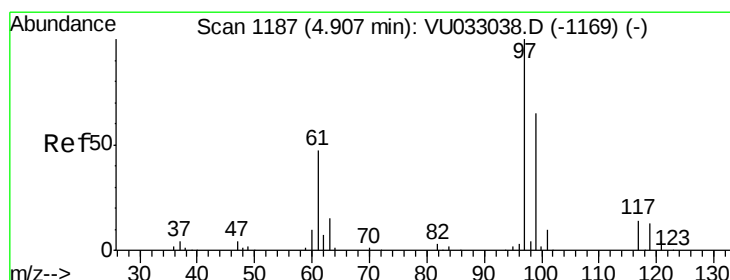
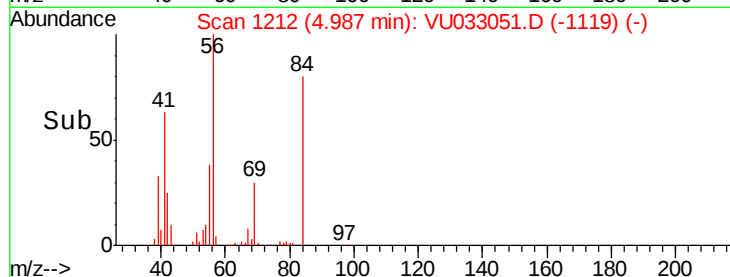
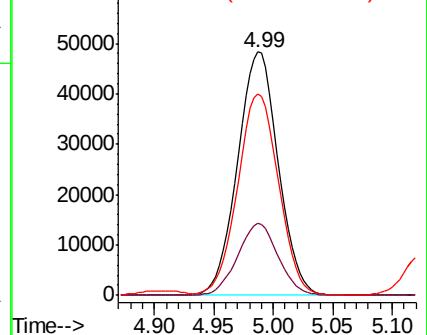
84 83.3 68.0 102.0



Abundance Ion 56.00 (55.70 to 56.70): VU033051.D (-1119) (-)

Ion 69.00 (68.70 to 69.70): VU033051.D (-1119) (-)

Ion 84.00 (83.70 to 84.70): VU033051.D (-1119) (-)



#30

1,1,1-Trichloroethane

Concen: 52.883 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

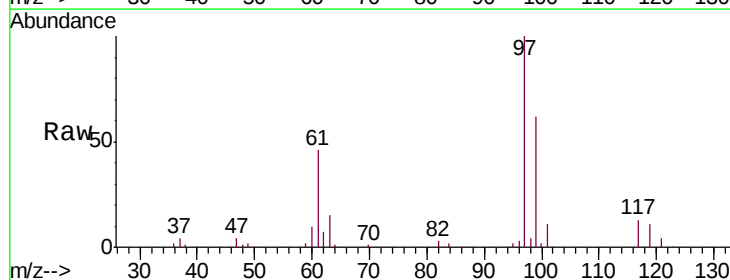
Tgt Ion: 97 Resp: 122756

Ion Ratio Lower Upper

97 100

99 64.1 50.7 76.1

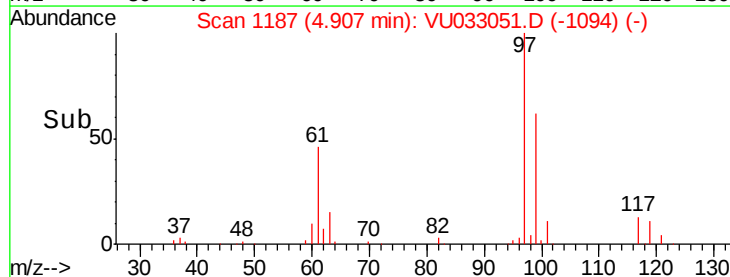
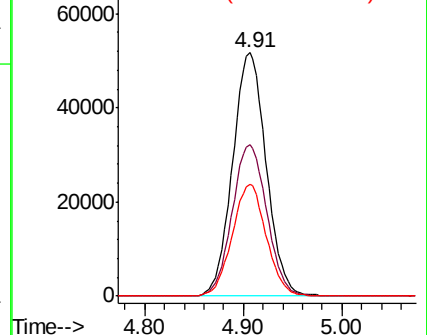
61 46.5 36.7 55.1

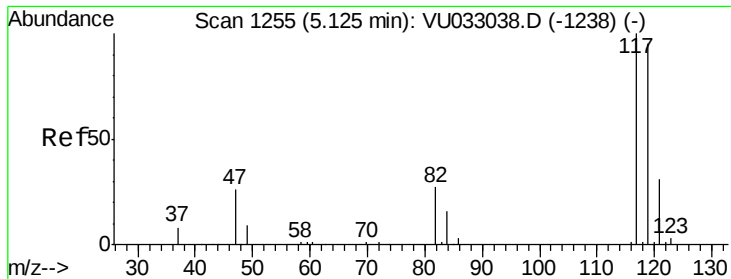


Abundance Ion 97.00 (96.70 to 97.70): VU033051.D (-1094) (-)

Ion 99.00 (98.70 to 99.70): VU033051.D (-1094) (-)

Ion 61.05 (60.75 to 61.75): VU033051.D (-1094) (-)





#31

Carbon tetrachloride

Concen: 51.421 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

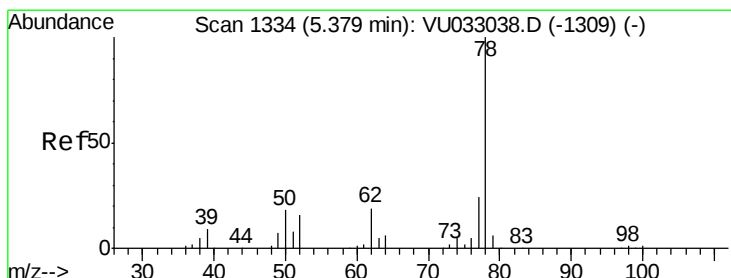
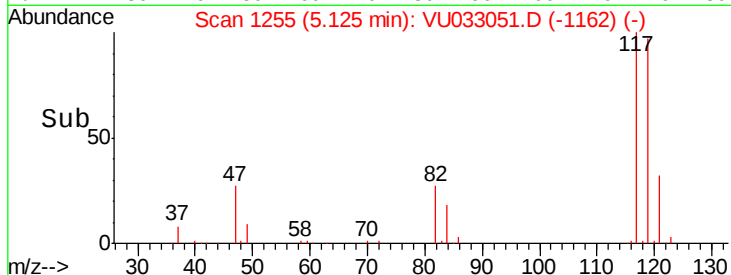
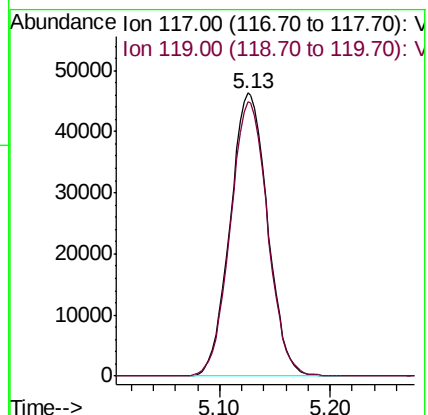
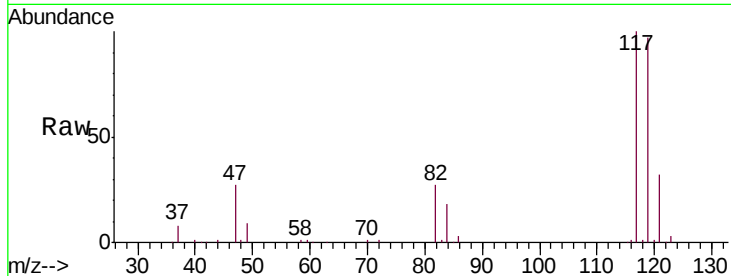
VSTD05040

Tgt Ion:117 Resp: 108606

Ion Ratio Lower Upper

117 100

119 96.6 76.3 114.5



#33

Benzene

Concen: 52.200 ug/L

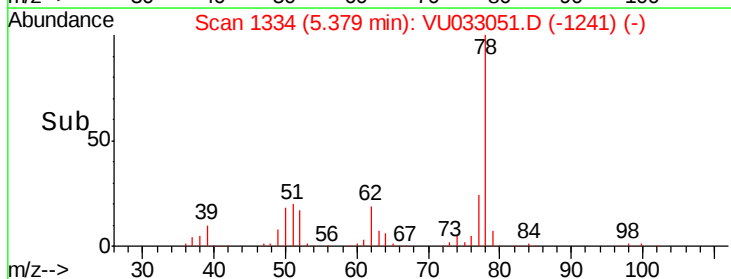
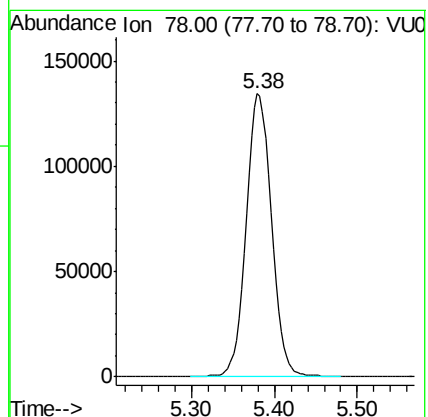
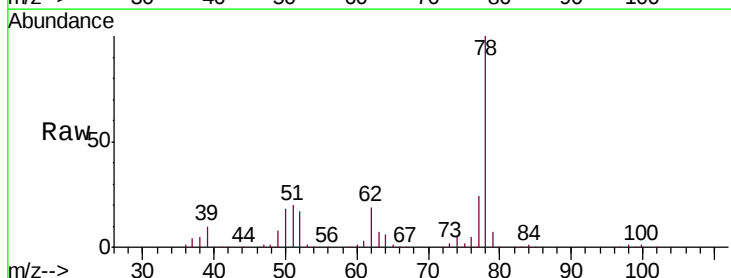
RT: 5.38 min Scan# 1334

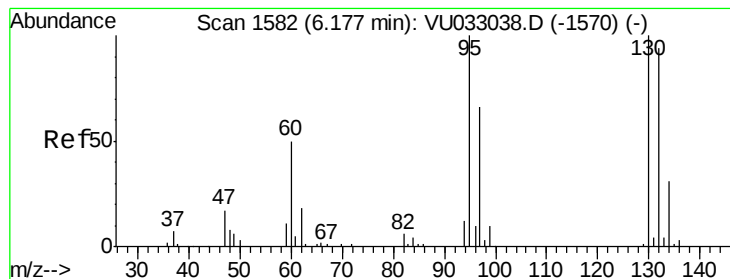
Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Tgt Ion: 78 Resp: 286509





#34

Trichloroethene

Concen: 52.842 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

Tgt Ion: 95 Resp: 77492

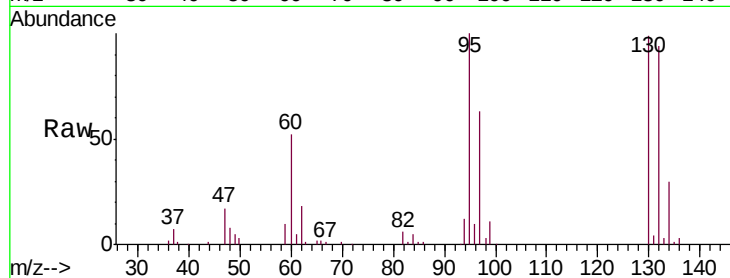
Ion Ratio Lower Upper

95 100

97 63.5 45.9 85.3

132 94.5 68.5 127.3

130 99.0 70.8 131.4

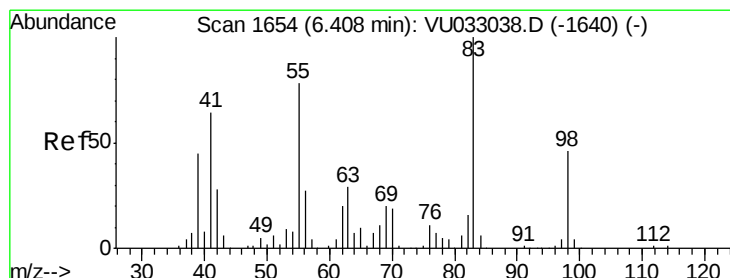
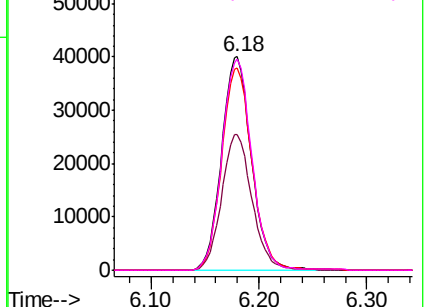
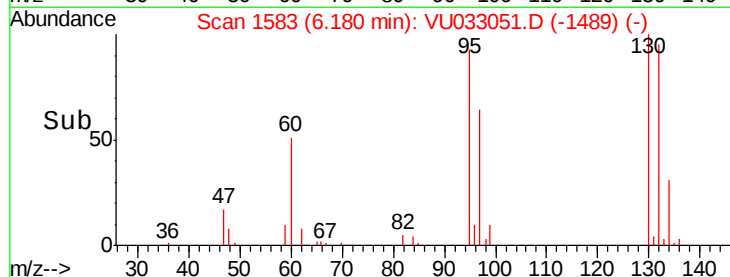


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 52.808 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

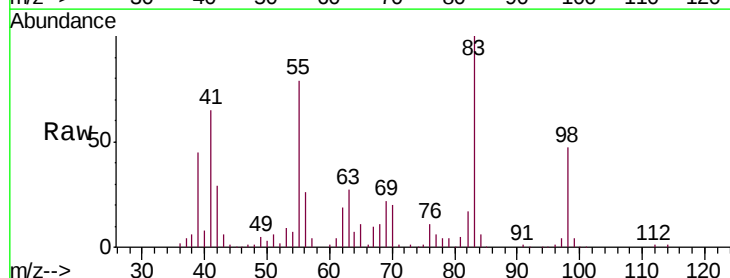
Tgt Ion: 83 Resp: 119705

Ion Ratio Lower Upper

83 100

55 79.8 62.6 94.0

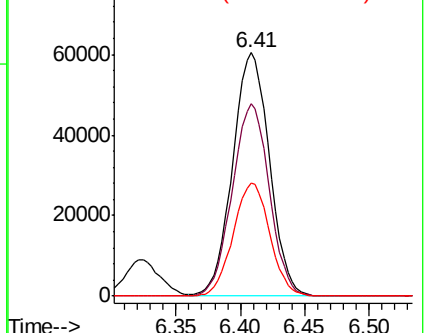
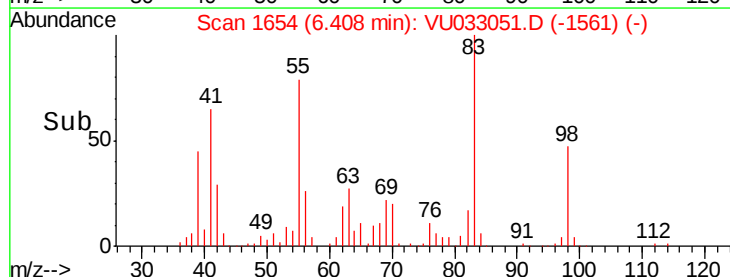
98 46.2 37.4 56.0

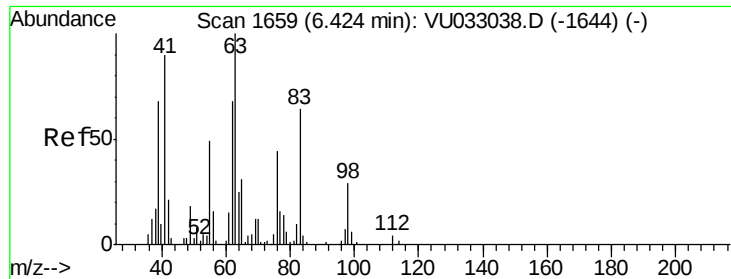


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

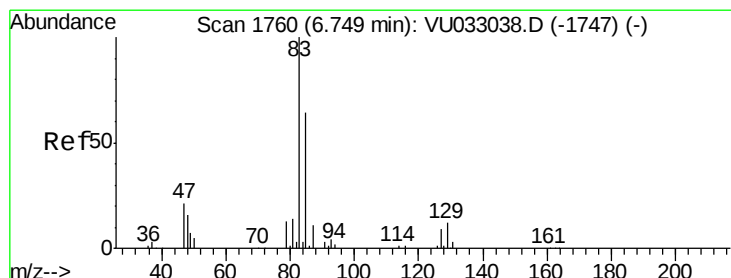
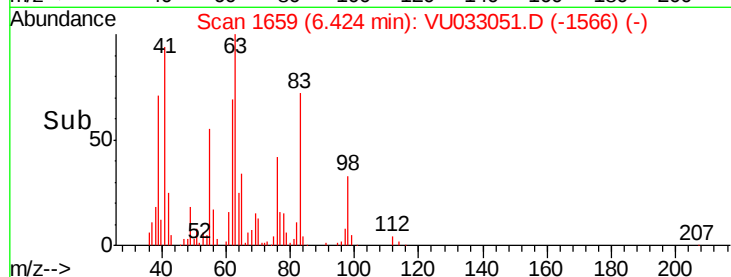
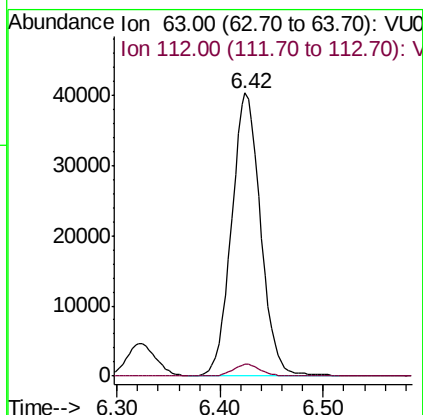
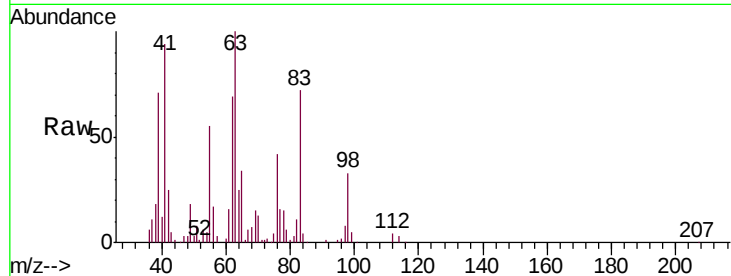




#37
 1,2-Dichloropropane
 Concen: 52.614 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

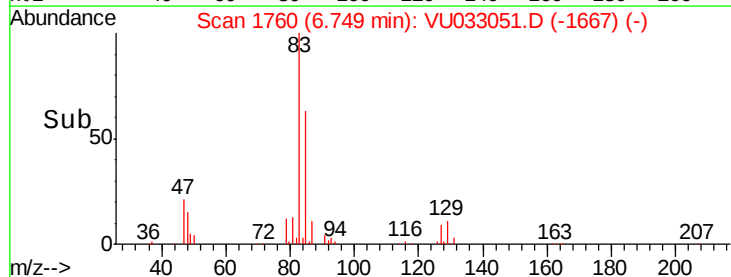
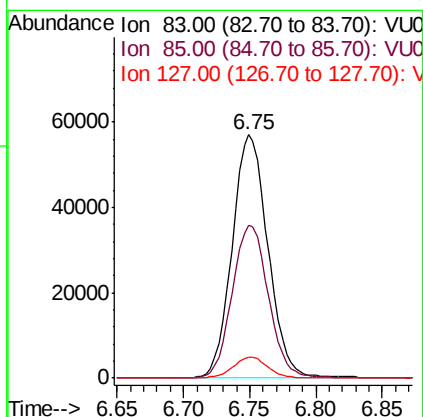
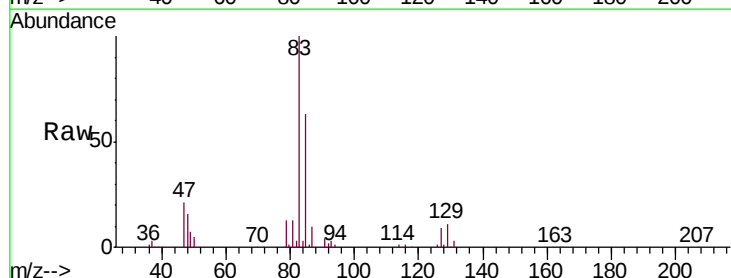
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

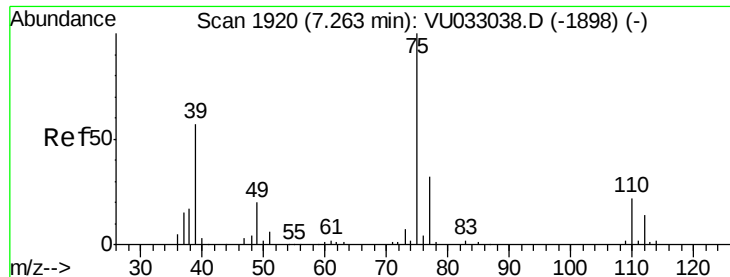
Tgt Ion: 63 Resp: 79214
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#38
 Bromodichloromethane
 Concen: 52.734 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

Tgt Ion: 83 Resp: 106759
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.0 83.6
 127 8.5 7.0 10.6

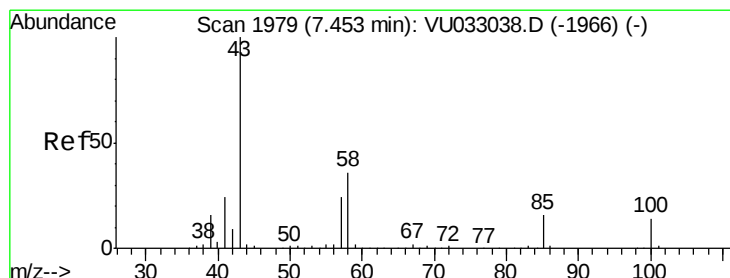
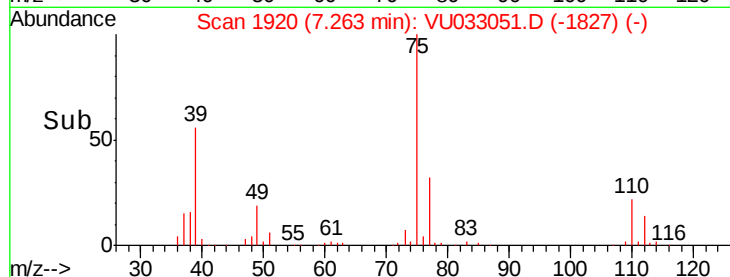
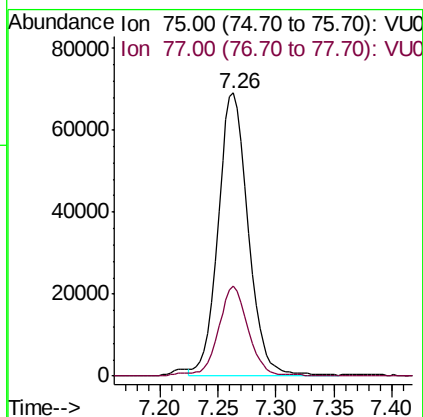
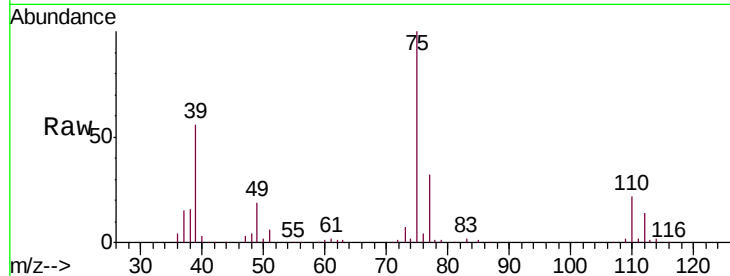




#39
 cis-1,3-Dichloropropene
 Concen: 52.947 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

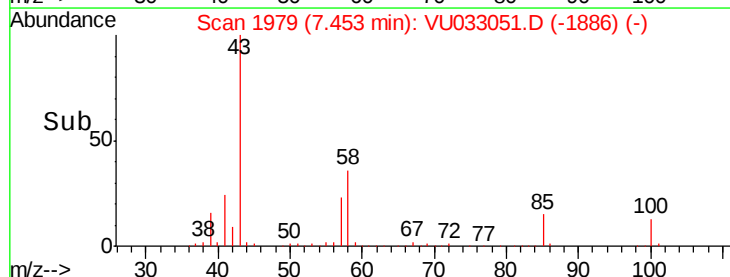
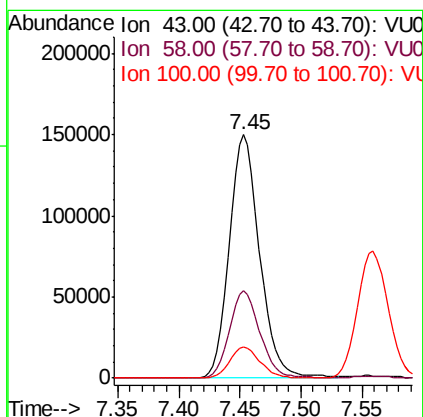
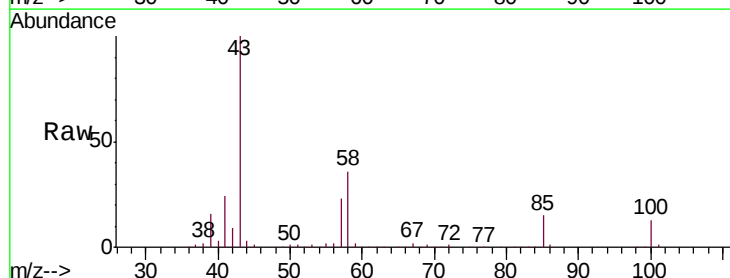
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

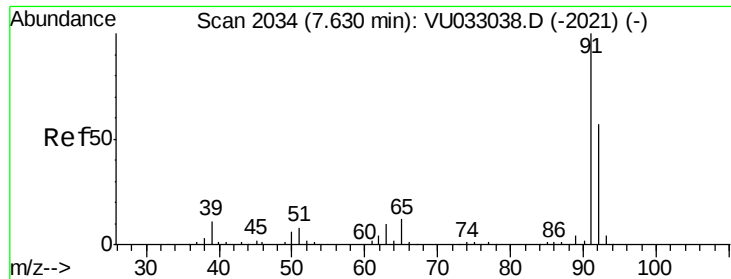
Tgt Ion: 75 Resp: 124195
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 108.430 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

Tgt Ion: 43 Resp: 260633
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.4 44.2
 100 12.9 11.2 16.8





#42

Toluene

Concen: 52.862 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

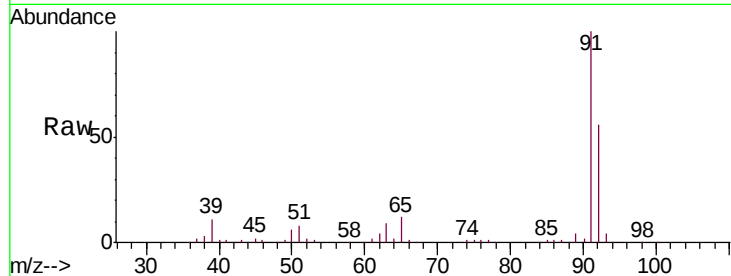
VSTD05040

Tgt Ion: 91 Resp: 313923

Ion Ratio Lower Upper

91 100

92 56.3 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU033038.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU033038.D (-2021) (-)

7.63

200000

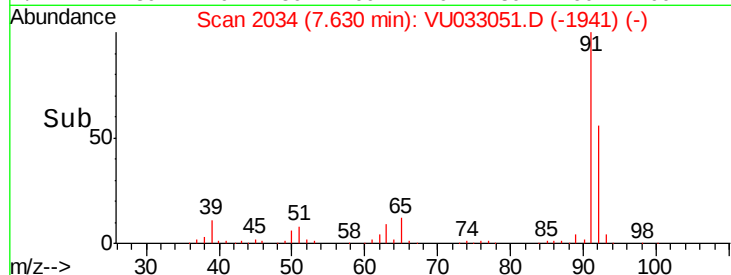
150000

100000

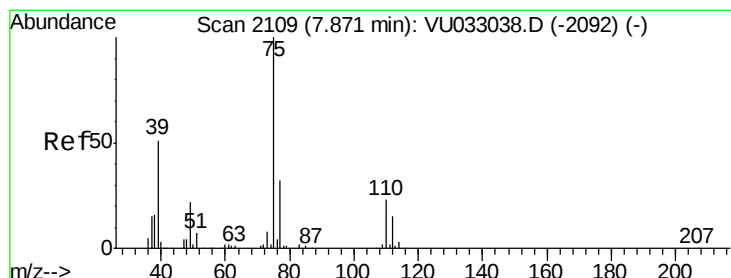
50000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.818 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU033051.D

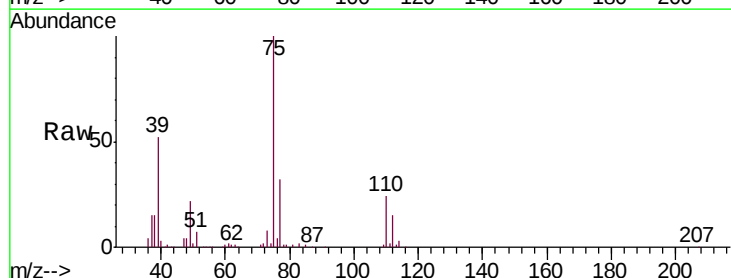
Acq: 25 Jun 2019 13:41

Tgt Ion: 75 Resp: 116367

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU033038.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU033038.D (-2092) (-)

7.87

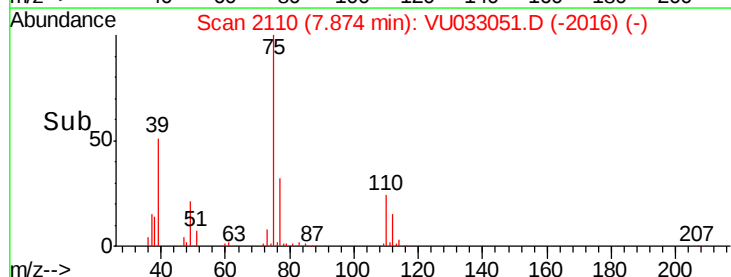
60000

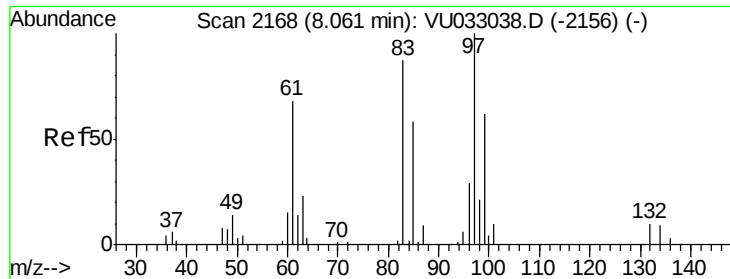
40000

20000

0

Time-->

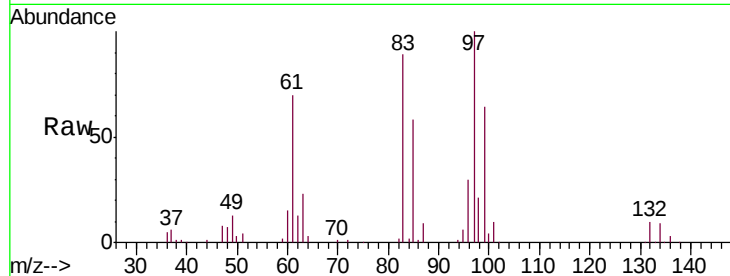




#45
 1,1,2-Trichloroethane
 Concen: 52.206 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Tgt Ion:	97	Resp:	73159
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.1	80.1
83	88.8	61.4	114.0
85	57.9	39.2	72.8



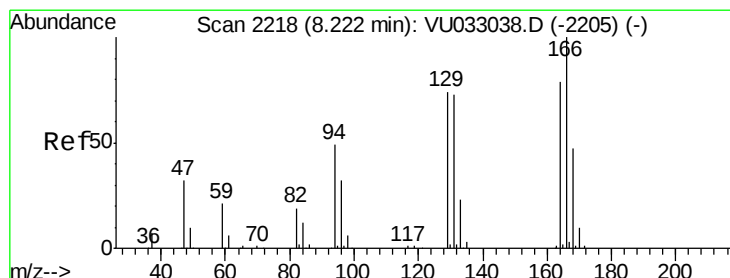
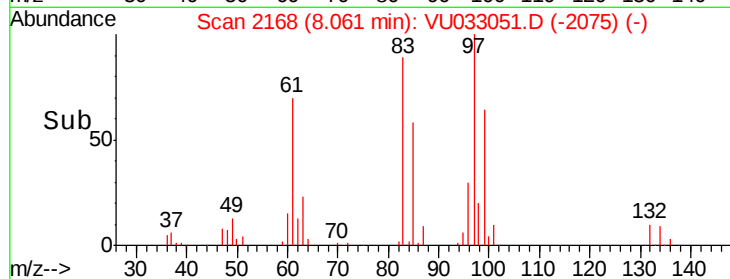
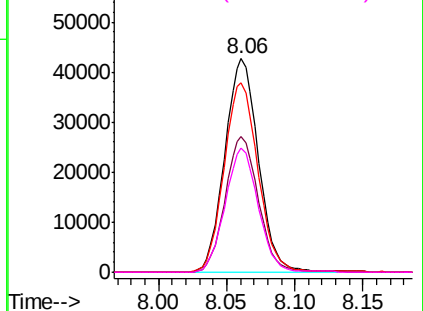
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

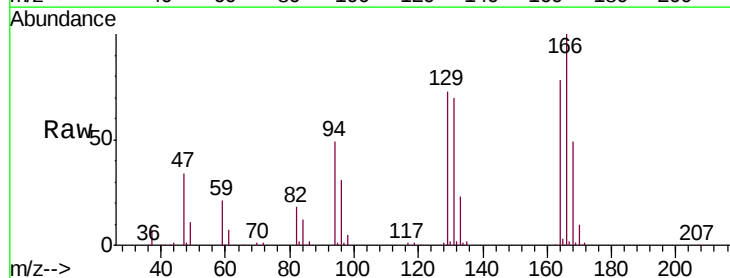
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 52.594 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

Tgt Ion:	164	Resp:	63201
Ion	Ratio	Lower	Upper
164	100		
129	93.0	64.8	120.3
131	90.2	64.5	119.7
166	127.9	91.3	169.6



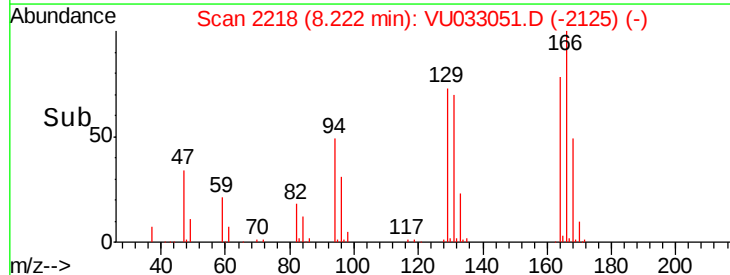
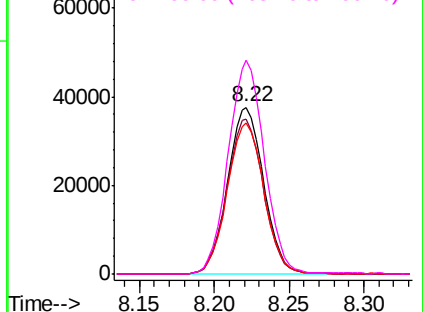
Abundance

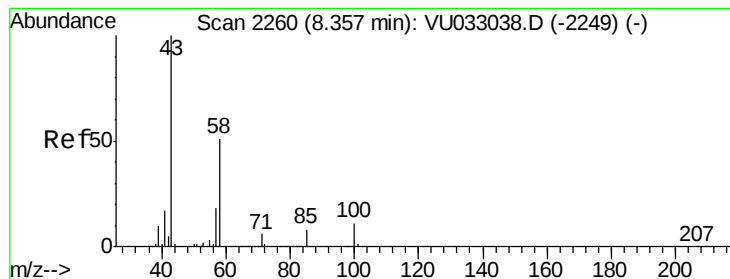
Ion 164.00 (163.70 to 164.70): V

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: 100.908 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

Tgt Ion: 43 Resp: 214005

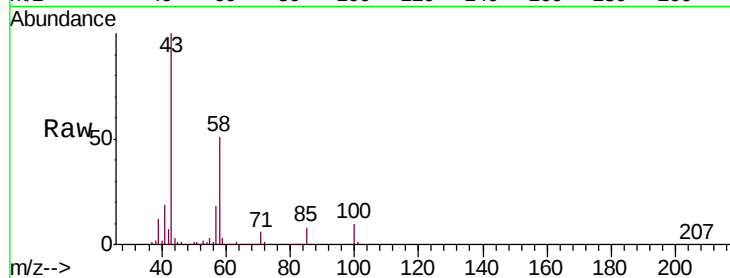
Ion Ratio Lower Upper

43 100

58 50.2 40.2 60.2

57 17.7 14.2 21.4

100 10.2 8.4 12.6

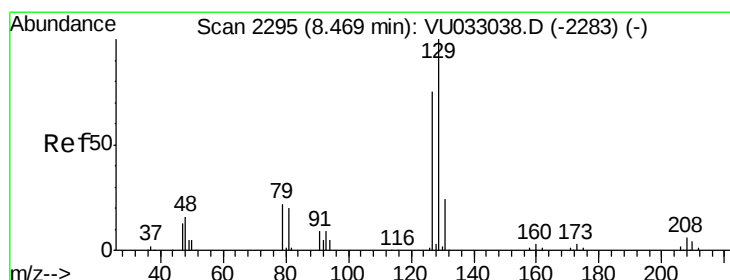
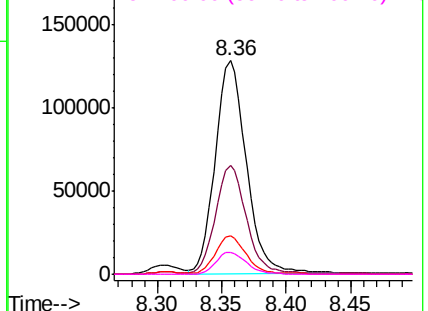
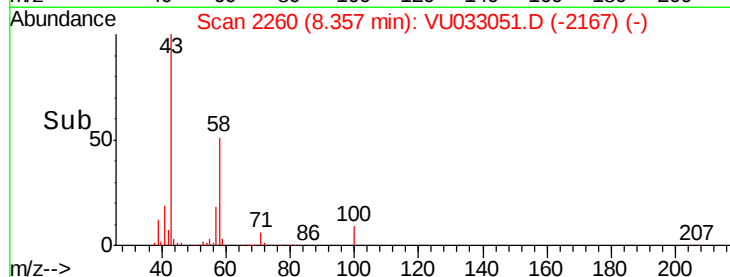


Abundance Ion 43.00 (42.70 to 43.70): VU033051.D (-2167) (-)

Ion 58.00 (57.70 to 58.70): VU033051.D (-2167) (-)

Ion 57.00 (56.70 to 57.70): VU033051.D (-2167) (-)

Ion 100.00 (99.70 to 100.70): VU033051.D (-2167) (-)



#49

Dibromochloromethane

Concen: 50.938 ug/L

RT: 8.47 min Scan# 2295

Delta R.T. -0.00 min

Lab File: VU033051.D

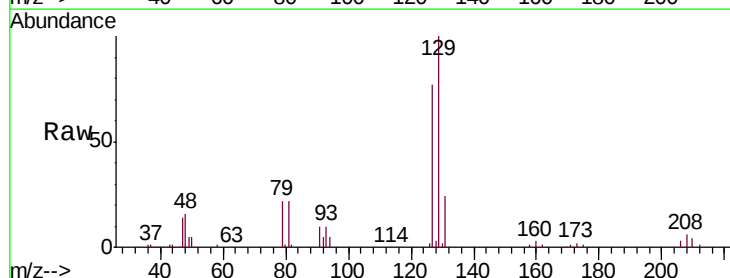
Acq: 25 Jun 2019 13:41

Tgt Ion: 129 Resp: 86053

Ion Ratio Lower Upper

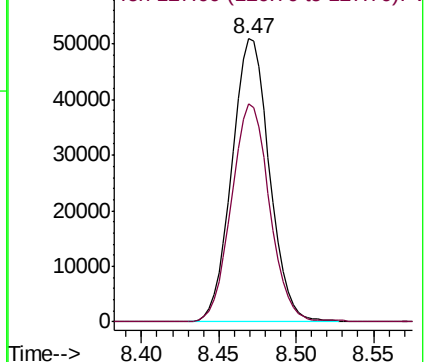
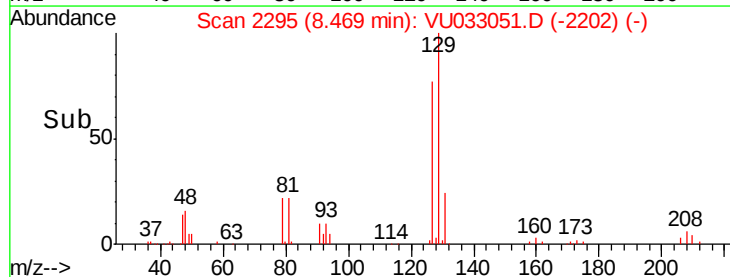
129 100

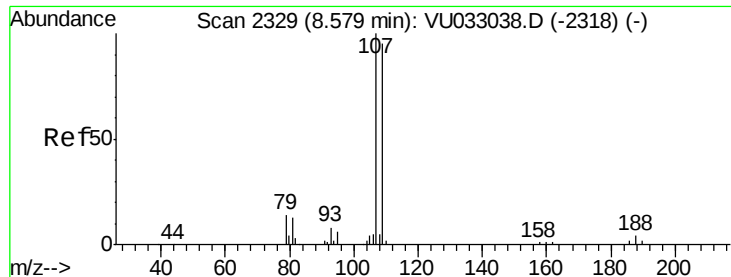
127 76.9 52.3 97.1



Abundance Ion 129.00 (128.70 to 129.70): VU033051.D (-2202) (-)

Ion 127.00 (126.70 to 127.70): VU033051.D (-2202) (-)





#50

1,2-Dibromoethane

Concen: 51.398 ug/L

RT: 8.58 min Scan# 2329

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

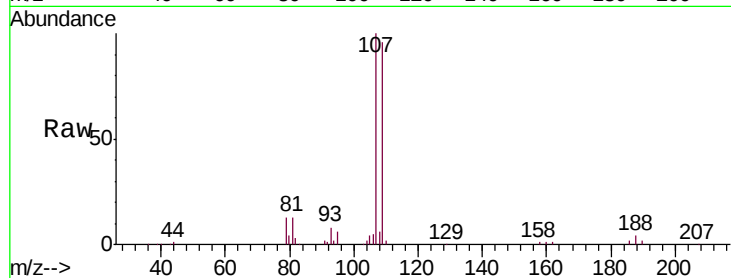
Tgt Ion:107 Resp: 79989

Ion Ratio Lower Upper

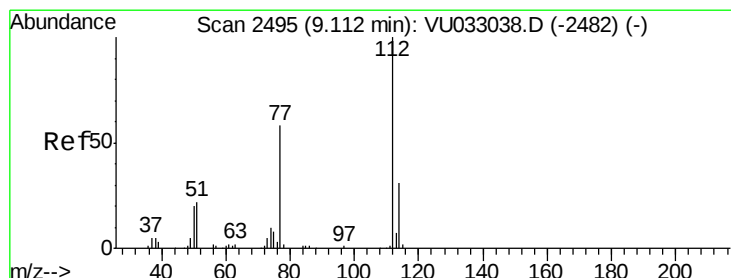
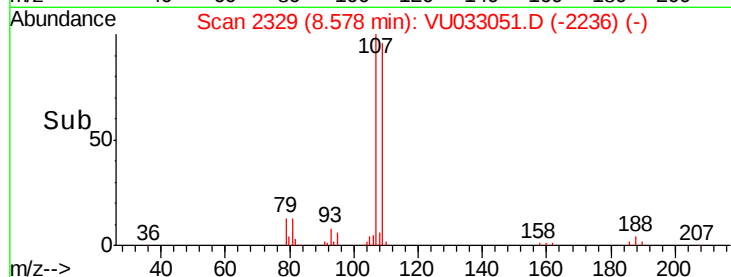
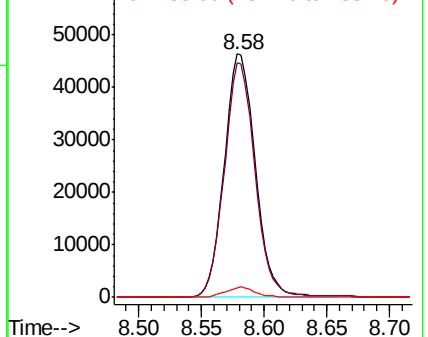
107 100

109 96.2 65.4 121.4

188 3.9 3.1 4.7



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



#51

Chlorobenzene

Concen: 52.254 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

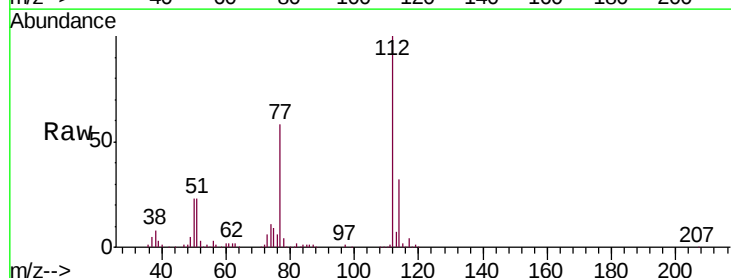
Tgt Ion:112 Resp: 204197

Ion Ratio Lower Upper

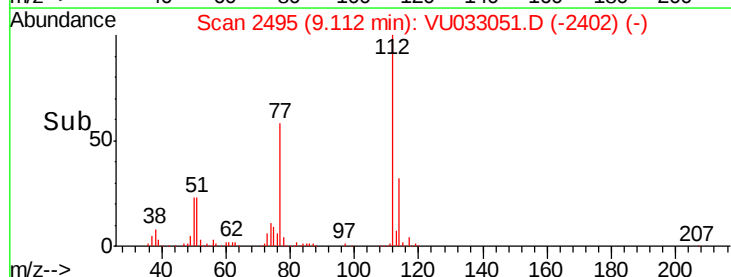
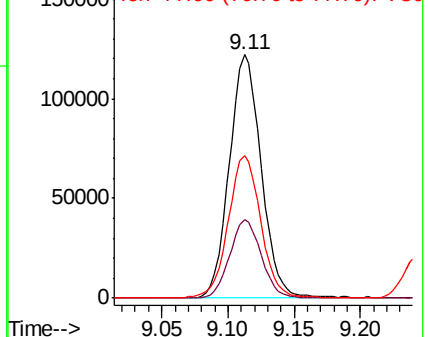
112 100

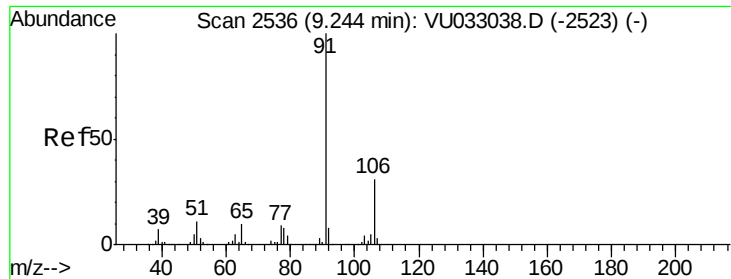
114 32.1 22.8 42.4

77 58.4 46.3 69.5



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





#52

Ethylbenzene

Concen: 53.540 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

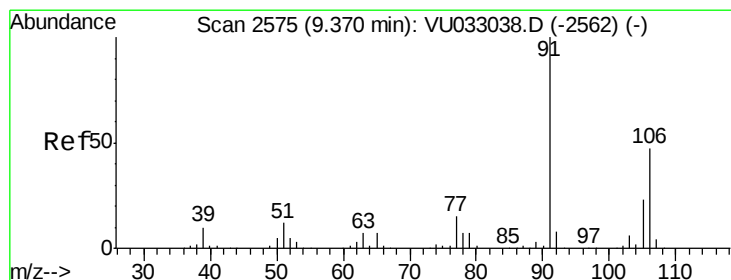
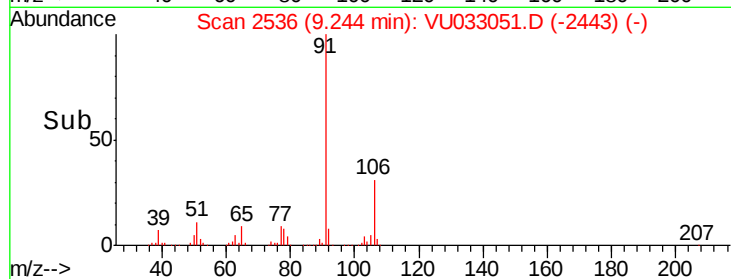
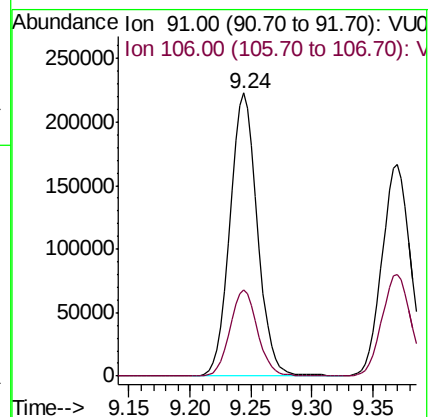
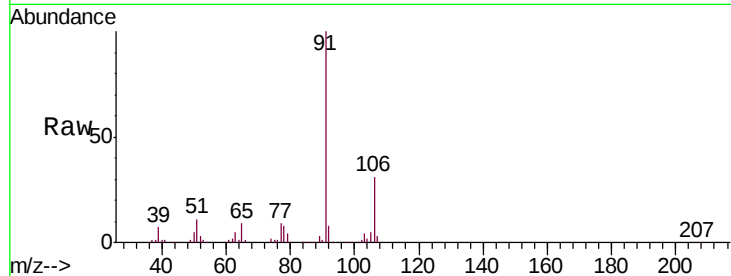
VSTD05040

Tgt Ion: 91 Resp: 351936

Ion Ratio Lower Upper

91 100

106 30.5 21.8 40.4



#53

m,p-Xylene

Concen: 53.288 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU033051.D

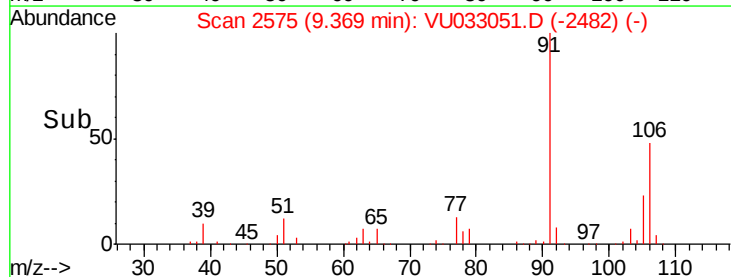
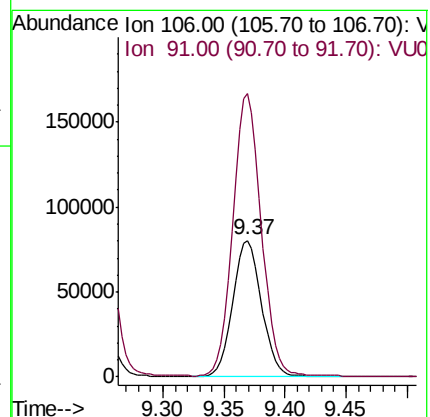
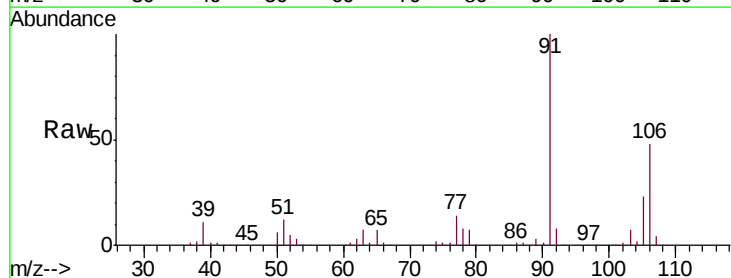
Acq: 25 Jun 2019 13:41

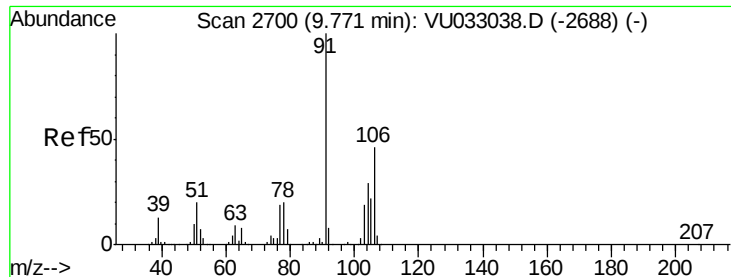
Tgt Ion: 106 Resp: 132159

Ion Ratio Lower Upper

106 100

91 207.3 142.9 265.5





#54

o-xylene

Concen: 52.793 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

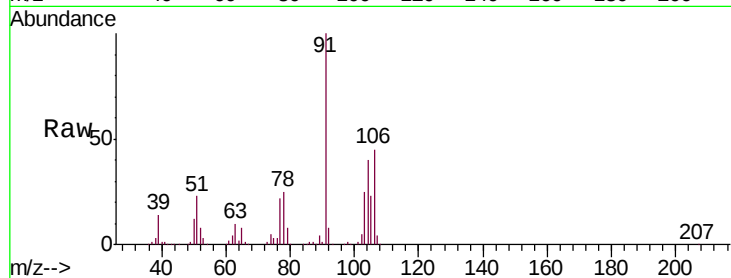
VSTD05040

Tgt Ion:106 Resp: 127862

Ion Ratio Lower Upper

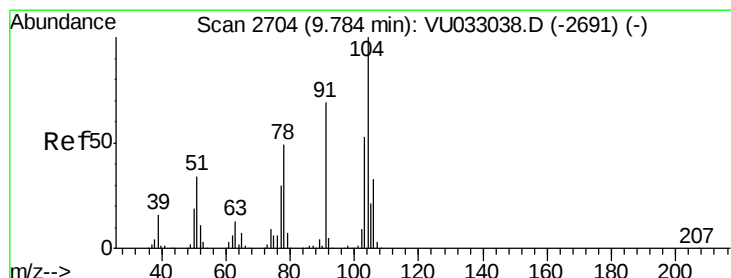
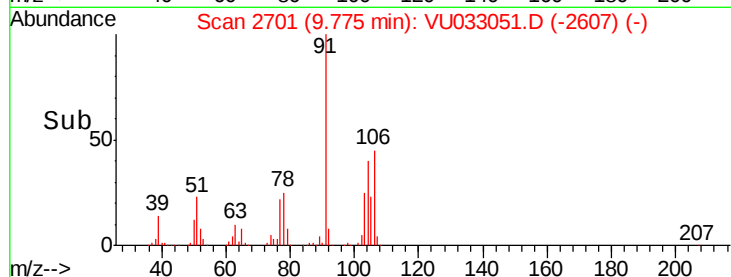
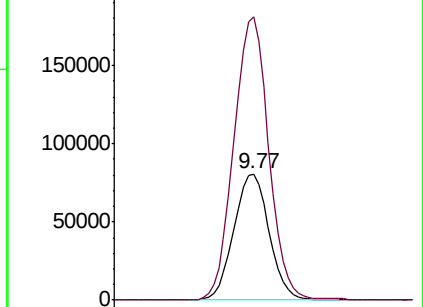
106 100

91 224.4 152.9 284.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.766 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU033051.D

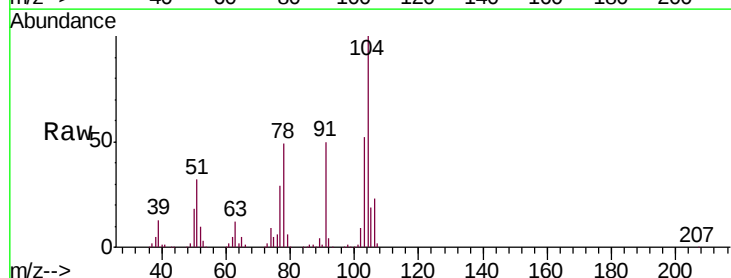
Acq: 25 Jun 2019 13:41

Tgt Ion:104 Resp: 221704

Ion Ratio Lower Upper

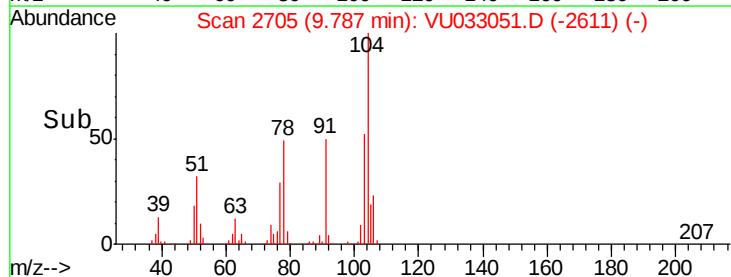
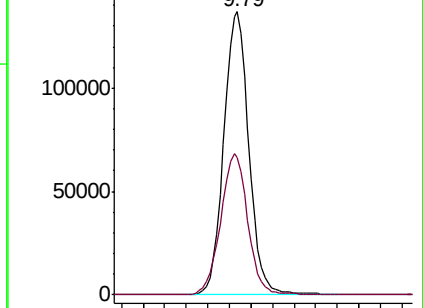
104 100

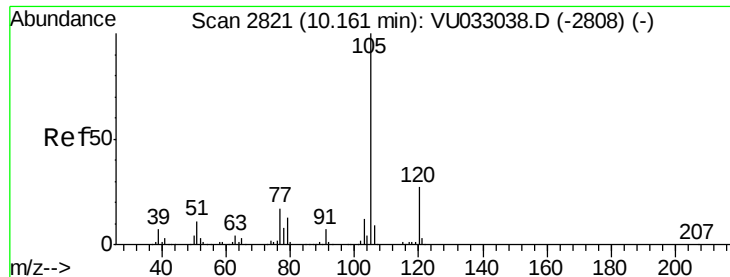
78 48.7 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.126 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

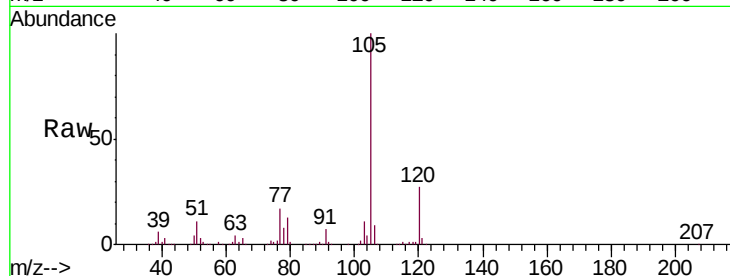
Tgt Ion: 105 Resp: 346756

Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.0

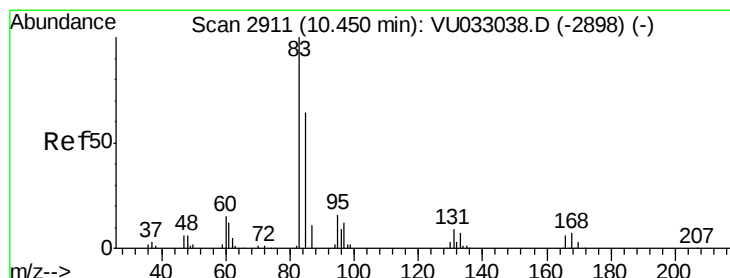
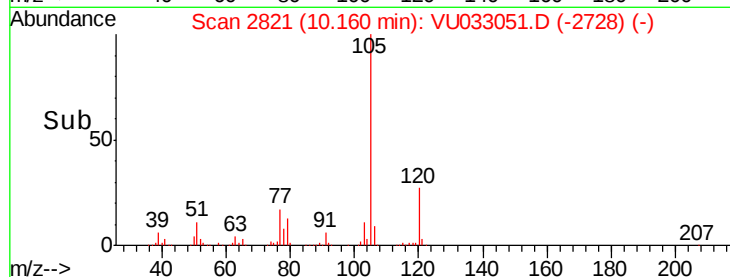
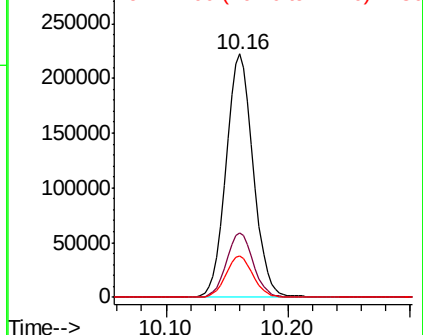
77 16.9 13.0 19.4



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: 51.749 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

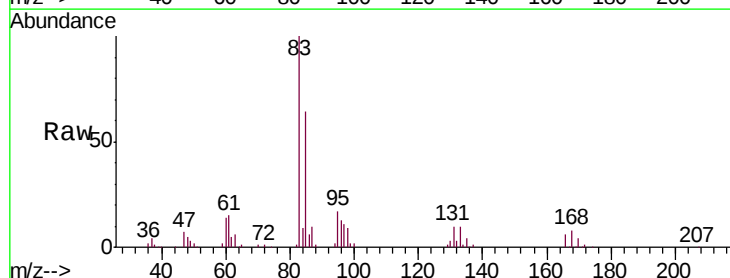
Tgt Ion: 83 Resp: 131221

Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.2

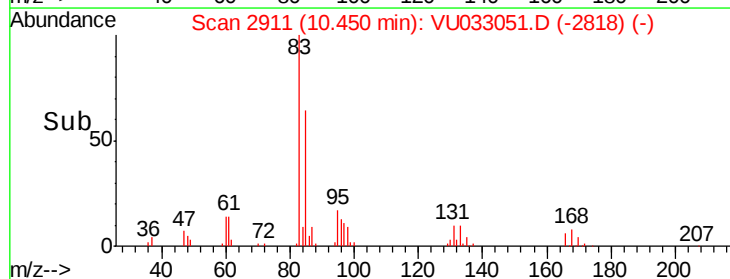
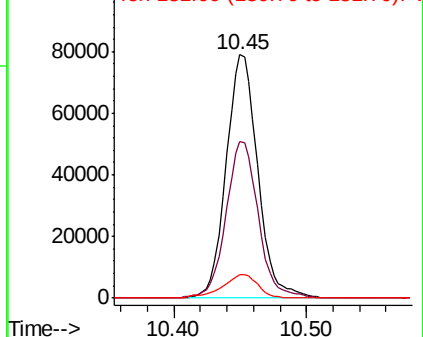
131 9.6 7.8 11.8

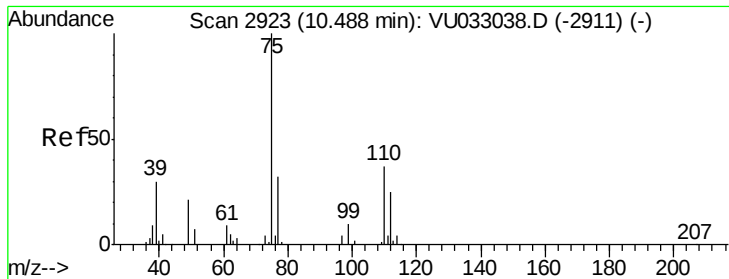


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

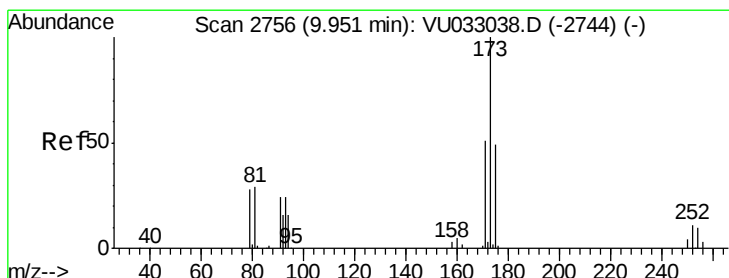
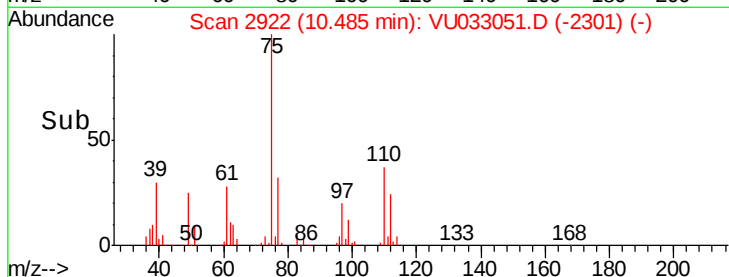
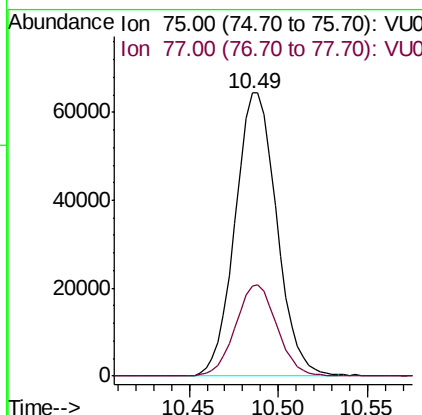
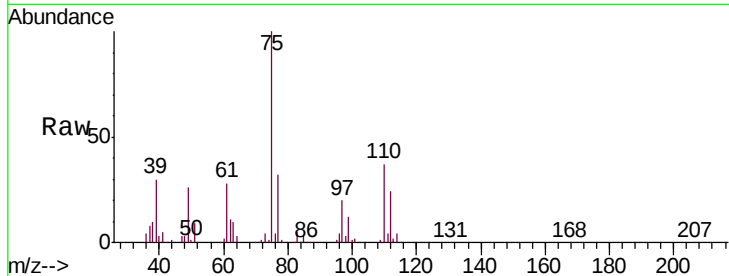




#59
 1,2,3-Trichloropropane
 Concen: 52.166 ug/L
 RT: 10.49 min Scan# 2922
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

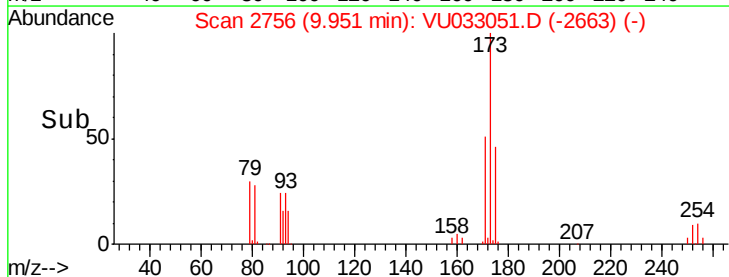
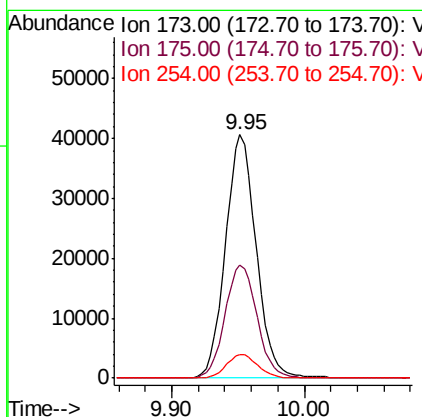
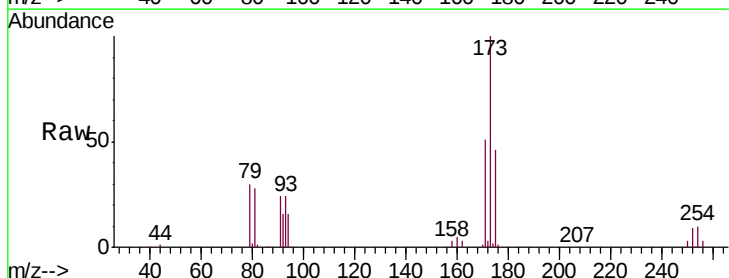
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

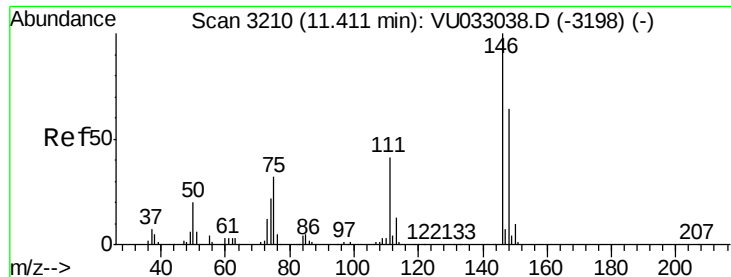
Tgt Ion: 75 Resp: 104815
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.5 38.3



#61
 Bromoform
 Concen: 48.624 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

Tgt Ion: 173 Resp: 65379
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.0 58.4
 254 9.9 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 51.377 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

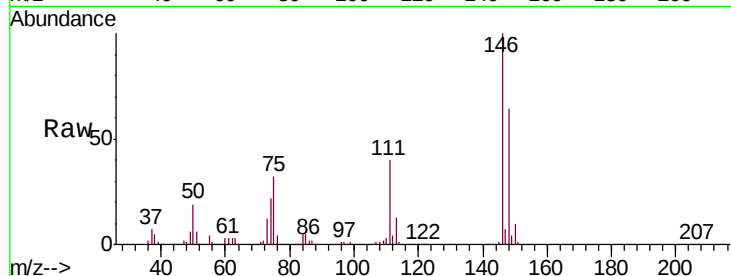
Tgt Ion:146 Resp: 164443

Ion Ratio Lower Upper

146 100

111 39.8 28.4 52.8

148 63.7 45.5 84.5

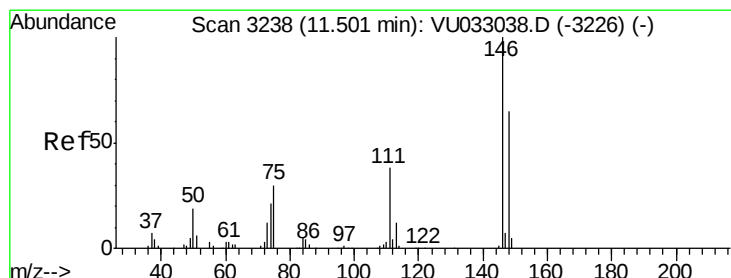
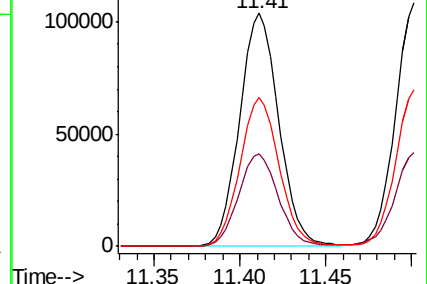
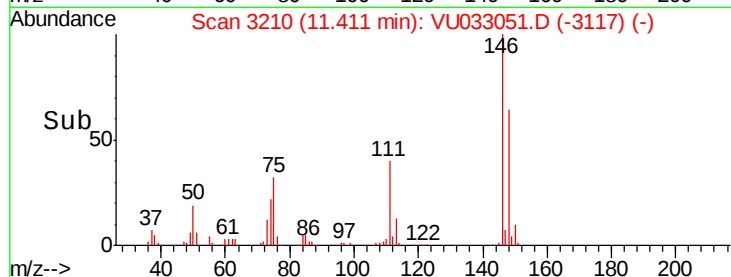


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.275 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

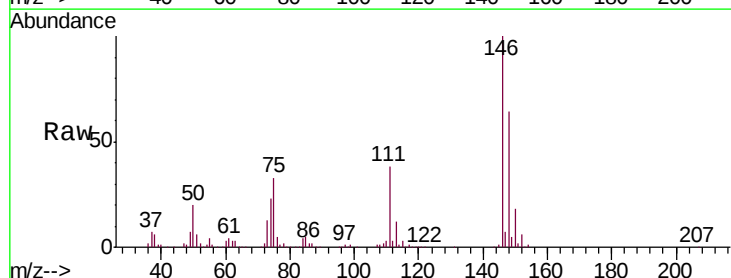
Tgt Ion:146 Resp: 166204

Ion Ratio Lower Upper

146 100

111 38.5 26.9 50.1

148 64.1 44.7 83.1

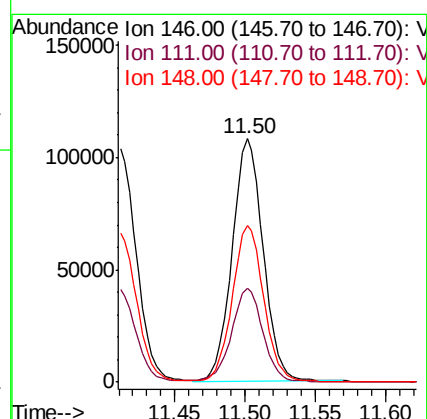
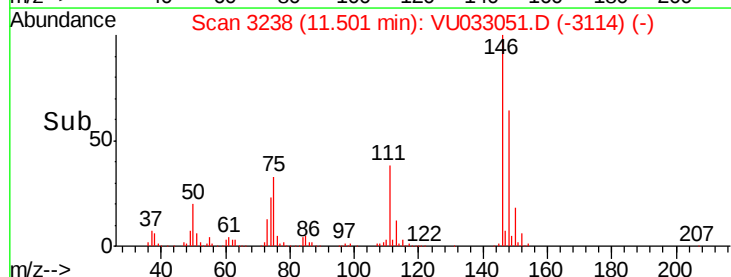


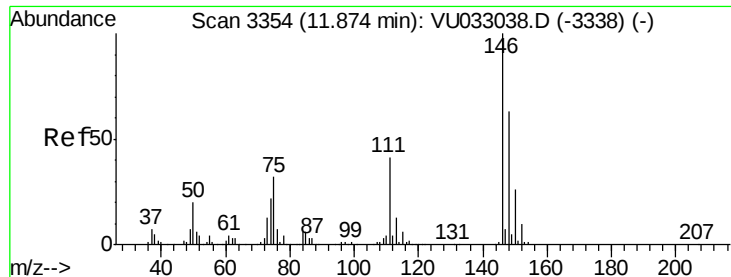
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

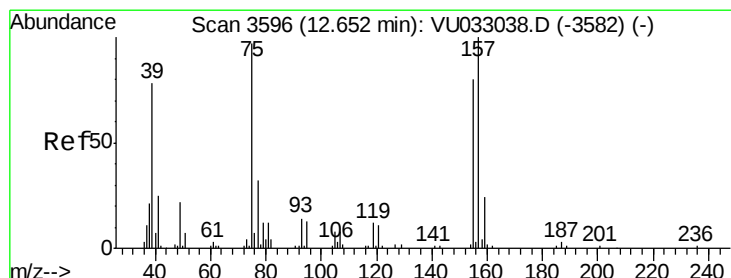
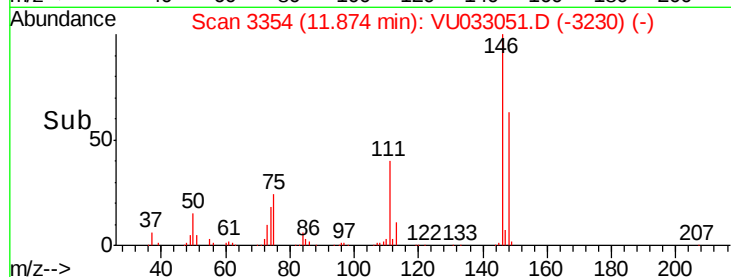
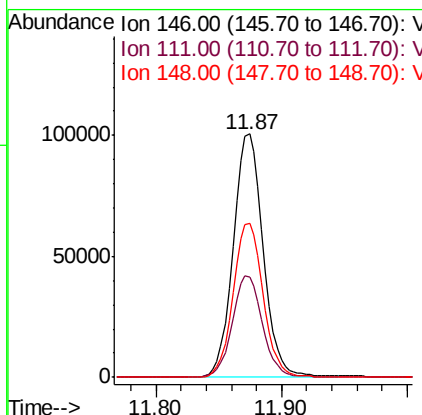
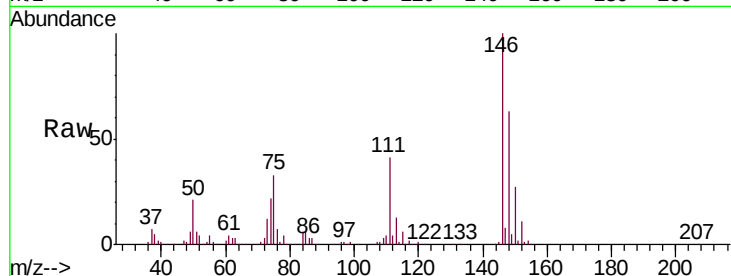




#65
 1,2-Dichlorobenzene
 Concen: 51.124 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

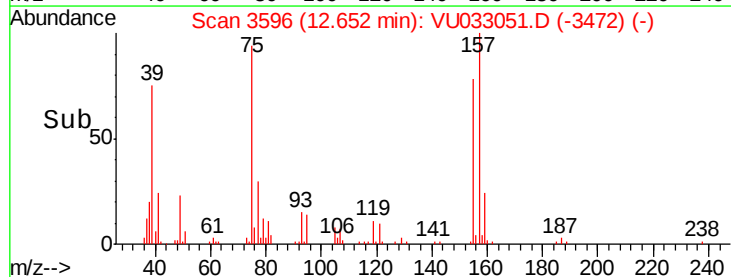
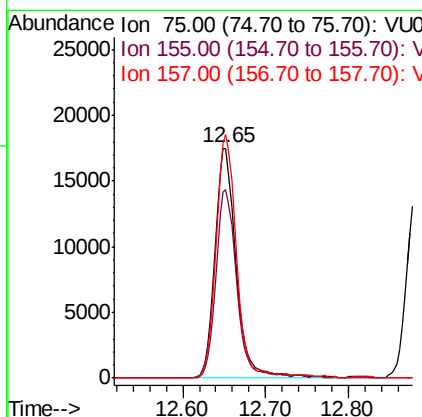
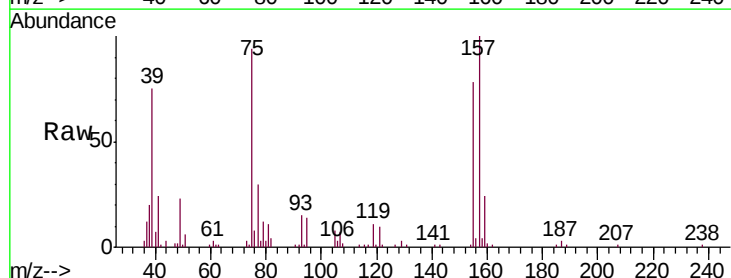
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

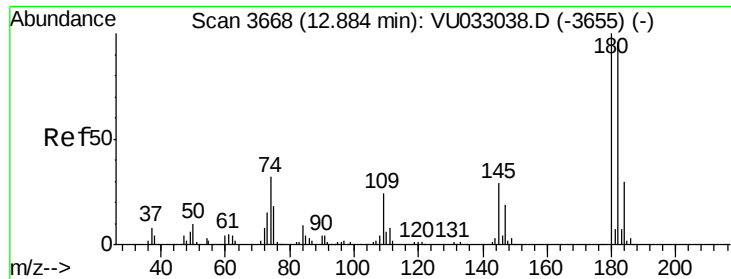
Tgt Ion: 146 Resp: 167076
 Ion Ratio Lower Upper
 146 100
 111 41.1 34.1 51.1
 148 63.0 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.913 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

Tgt Ion: 75 Resp: 31120
 Ion Ratio Lower Upper
 75 100
 155 82.2 67.4 101.2
 157 106.0 85.5 128.3

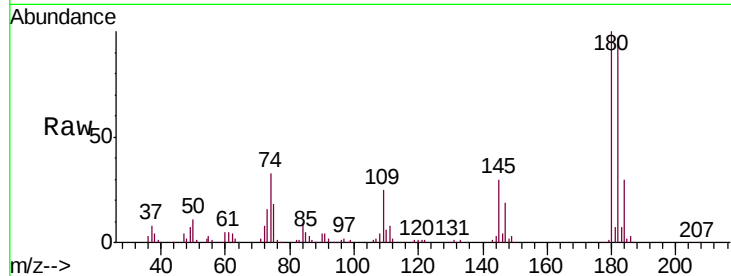




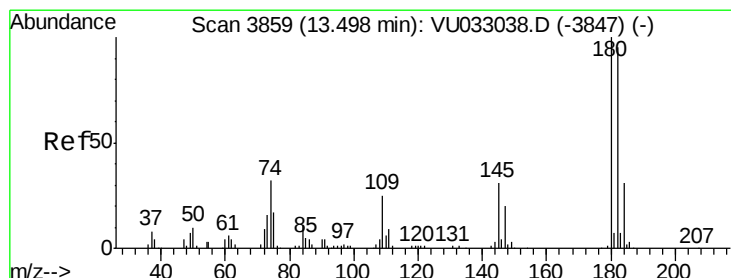
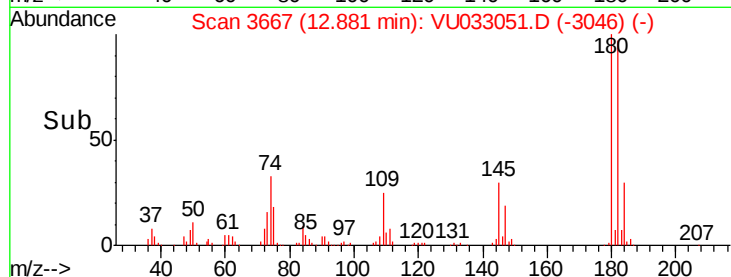
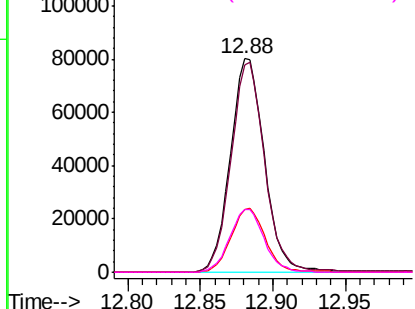
#67
 1,3,5-Trichlorobenzene
 Concen: 50.911 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Tgt Ion:180 Resp: 130931
 Ion Ratio Lower Upper
 180 100
 182 96.6 78.3 117.5
 184 30.1 24.8 37.2
 145 29.6 23.4 35.2

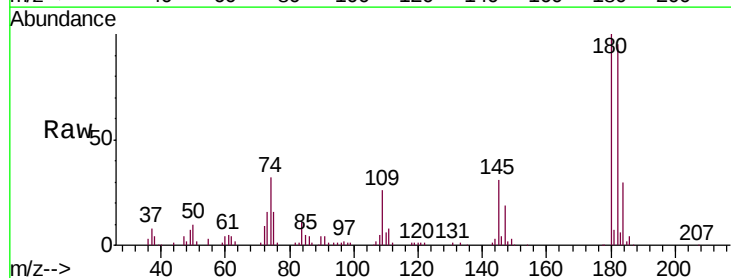


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

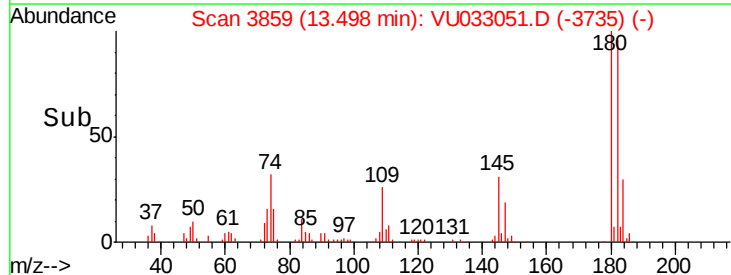
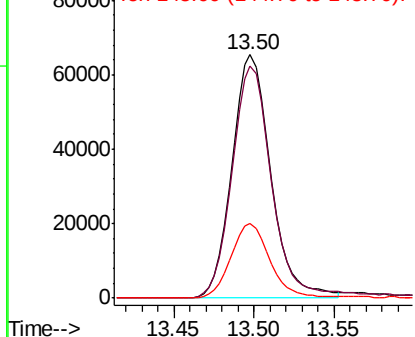


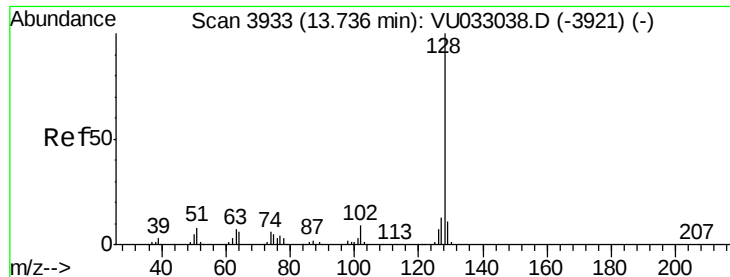
#68
 1,2,4-trichlorobenzene
 Concen: 48.914 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU033051.D
 Acq: 25 Jun 2019 13:41

Tgt Ion:180 Resp: 108242
 Ion Ratio Lower Upper
 180 100
 182 97.8 76.2 114.4
 145 30.7 23.8 35.8



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: 46.026 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

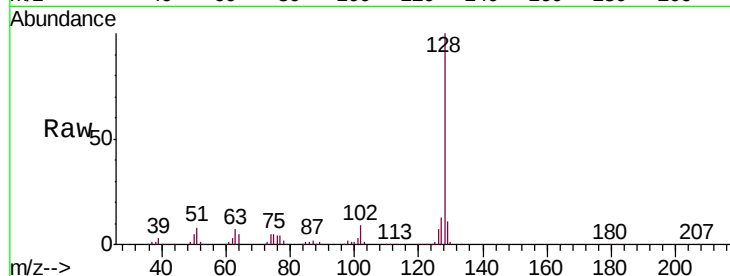
Tgt Ion:128 Resp: 313160

Ion Ratio Lower Upper

128 100

127 12.3 10.3 15.5

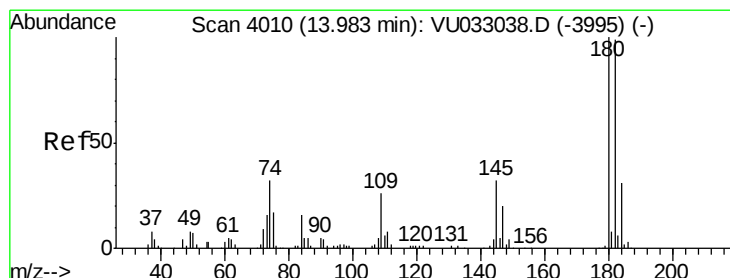
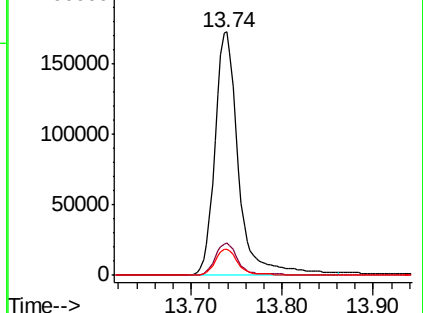
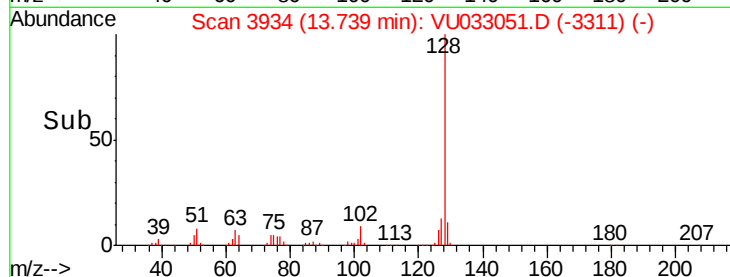
129 10.5 8.6 13.0



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: 49.151 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU033051.D

Acq: 25 Jun 2019 13:41

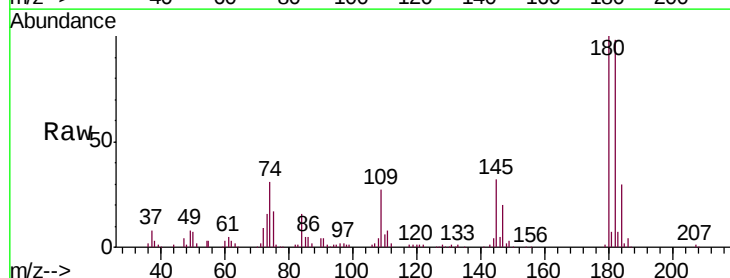
Tgt Ion:180 Resp: 115143

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.6

145 31.9 25.5 38.3



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

