

Data File : VU030651.D
Acq On : 04 Apr 2019 00:48
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Apr 04 06:59:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:52:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	580497	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	570000	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	266765	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	237524	50.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.68%
7) Chloroethane-d5	1.68	69	188228	50.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.66%
11) 1,1-Dichloroethene-d2	2.27	63	425564	48.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.04%
21) 2-Butanone-d5	4.17	46	417882	95.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.15%
24) Chloroform-d	4.64	84	366523	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.08%
26) 1,2-Dichloroethane-d4	5.31	65	235092	44.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.26%
32) Benzene-d6	5.34	84	768638	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
36) 1,2-Dichloropropane-d6	6.32	67	257976	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.26%
41) Toluene-d8	7.56	98	683362	46.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.10%
43) trans-1,3-Dichloropropene-	7.85	79	114392	43.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.00%
47) 2-Hexanone-d5	8.31	63	266447	87.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	363669	45.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.88%
64) 1,2-Dichlorobenzene-d4	11.85	152	247306	46.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.54%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	235326	36.742	ug/L	99
3) Chloromethane	1.32	50	305721	42.679	ug/L	99
5) Vinyl chloride	1.40	62	302844	44.584	ug/L	99
6) Bromomethane	1.62	94	164703	52.855	ug/L	100
8) Chloroethane	1.69	64	178983	46.673	ug/L	97
9) Trichlorofluoromethane	1.88	101	343703	46.400	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	191625	45.230	ug/L	98
12) 1,1-Dichloroethene	2.28	96	199537	48.043	ug/L	95
13) Acetone	2.32	43	311516	70.141	ug/L	98
14) Carbon disulfide	2.47	76	617873	44.993	ug/L	99
15) Methyl Acetate	2.61	43	332029	48.824	ug/L #	100
16) Methylene chloride	2.70	84	235944	48.189	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	208083	47.755	ug/L	99
18) Methyl tert-butyl Ether	2.99	73	701515	48.684	ug/L	99
19) 1,1-Dichloroethane	3.44	63	420976	47.091	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	235650	48.222	ug/L	96
22) 2-Butanone	4.25	43	482585	89.896	ug/L	100

Data File : VU030651.D
Acq On : 04 Apr 2019 00:48
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

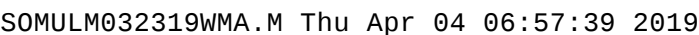
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

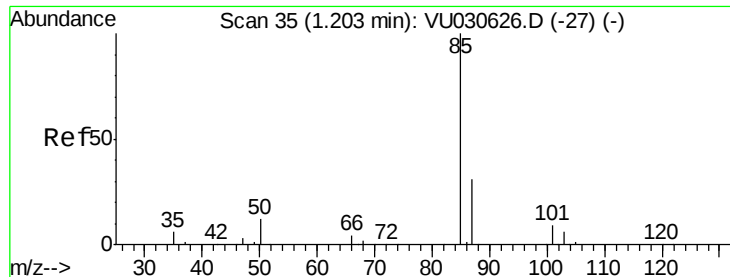
Quant Time: Apr 04 06:59:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:52:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	113162	49.822	ug/L	94
25) Chloroform	4.67	83	405172	47.669	ug/L	96
27) 1,2-Dichloroethane	5.40	62	302714	45.387	ug/L	97
29) Cyclohexane	4.99	56	396373	45.952	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	322257	46.173	ug/L	98
31) Carbon tetrachloride	5.13	117	276179	46.685	ug/L	97
33) Benzene	5.39	78	918837	47.354	ug/L	100
34) Trichloroethene	6.18	95	221799	46.499	ug/L	98
35) Methylcyclohexane	6.41	83	346891	44.194	ug/L	96
37) 1,2-Dichloropropane	6.43	63	251127	45.606	ug/L	100
38) Bromodichloromethane	6.75	83	298174	45.573	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	359376	45.406	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	876825	94.800	ug/L	98
42) Toluene	7.63	91	961721	47.758	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	323220	46.412	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	220860	47.470	ug/L	99
46) Tetrachloroethene	8.22	164	159051	47.740	ug/L	97
48) 2-Hexanone	8.36	43	692117	91.302	ug/L	99
49) Dibromochloromethane	8.47	129	225125	46.567	ug/L	98
50) 1,2-Dibromoethane	8.58	107	235998	47.263	ug/L	99
51) Chlorobenzene	9.12	112	584949	47.929	ug/L	98
52) Ethylbenzene	9.24	91	1040354	47.691	ug/L	99
53) m,p-Xylene	9.37	106	372746	47.323	ug/L	97
54) o-xylene	9.77	106	372624	48.484	ug/L	96
55) Styrene	9.79	104	644335	48.670	ug/L	96
56) Isopropylbenzene	10.16	105	977602	48.039	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	398353	46.456	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	316508	47.223	ug/L	99
61) Bromoform	9.95	173	168877	47.614	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	420065	48.151	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	427872	47.642	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	426623	48.363	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	91173	46.418	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	315301	48.278	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	281746	49.651	ug/L	99
69) Naphthalene	13.74	128	978782	48.508	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	292663	48.841	ug/L	99

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

Quant Time: Apr 04 06:59:47 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:52:42 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 36.742 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

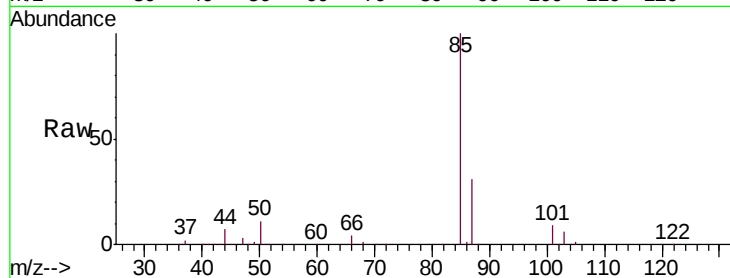
VSTD05045

Tgt Ion: 85 Resp: 235326

Ion Ratio Lower Upper

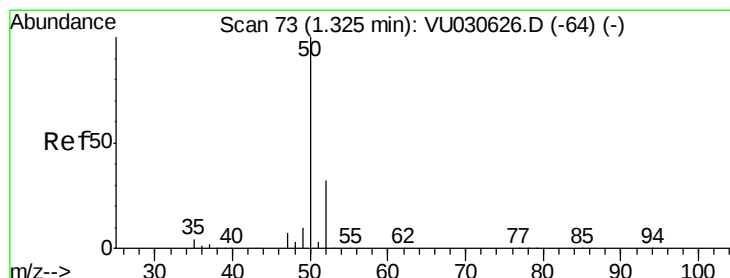
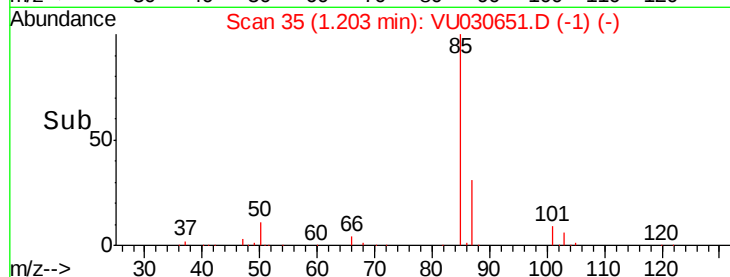
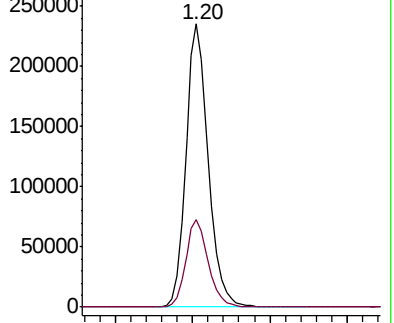
85 100

87 31.2 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU030626.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU030626.D (-27) (-)



#3

Chloromethane

Concen: 42.679 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU030651.D

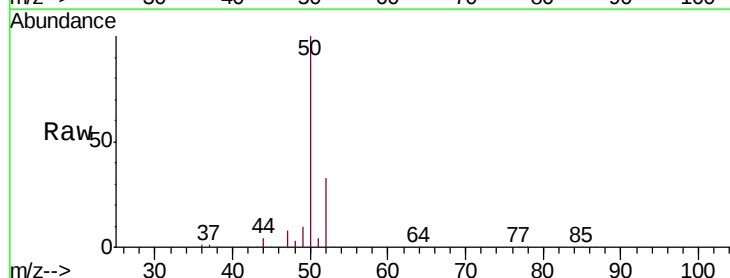
Acq: 04 Apr 2019 00:48

Tgt Ion: 50 Resp: 305721

Ion Ratio Lower Upper

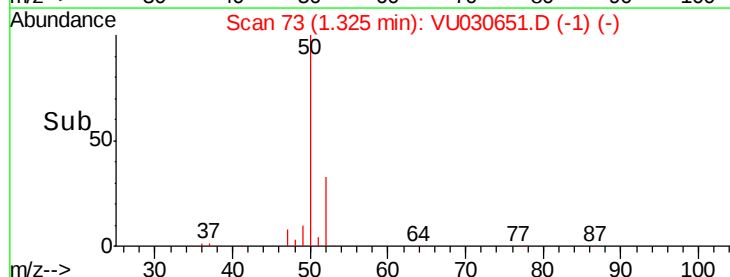
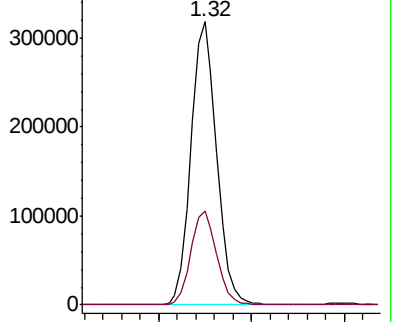
50 100

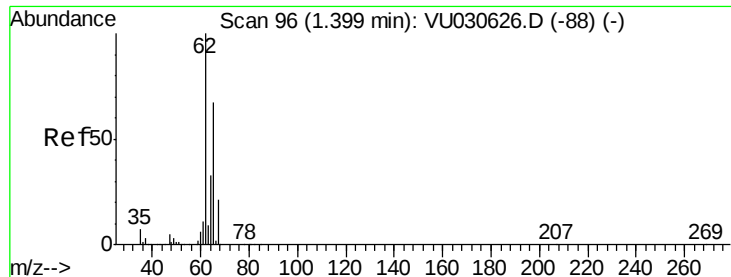
52 33.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU030626.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU030626.D (-64) (-)





#5

Vinyl chloride

Concen: 44.584 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

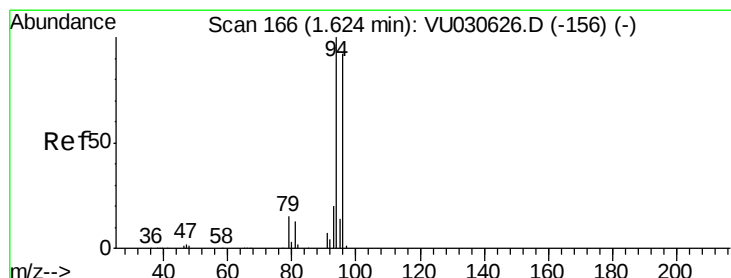
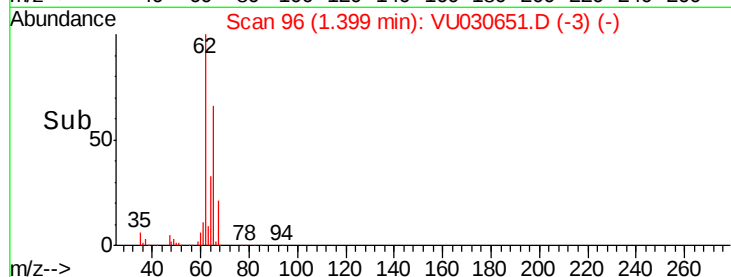
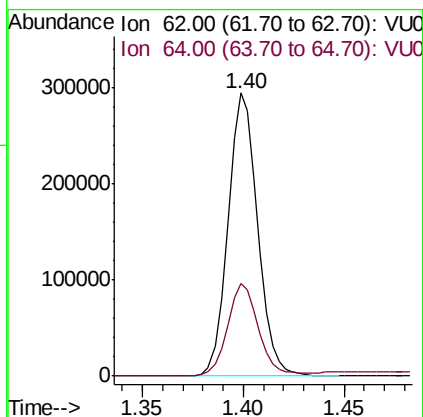
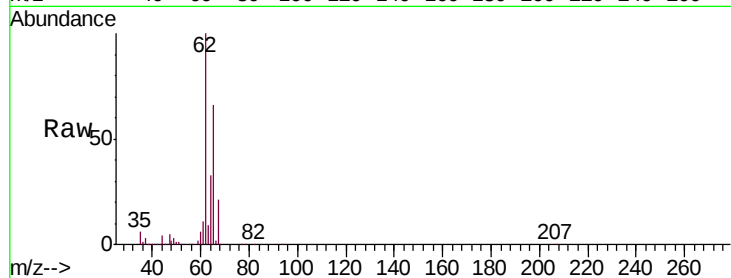
VSTD05045

Tgt Ion: 62 Resp: 302844

Ion Ratio Lower Upper

62 100

64 32.7 22.6 42.0



#6

Bromomethane

Concen: 52.855 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU030651.D

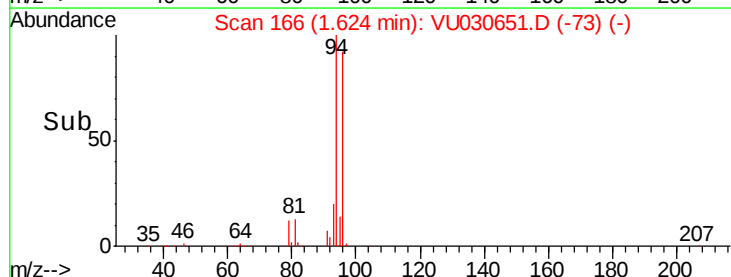
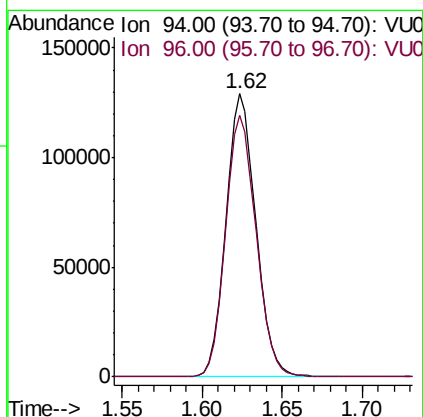
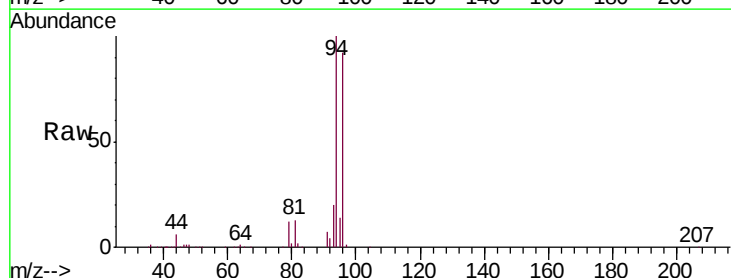
Acq: 04 Apr 2019 00:48

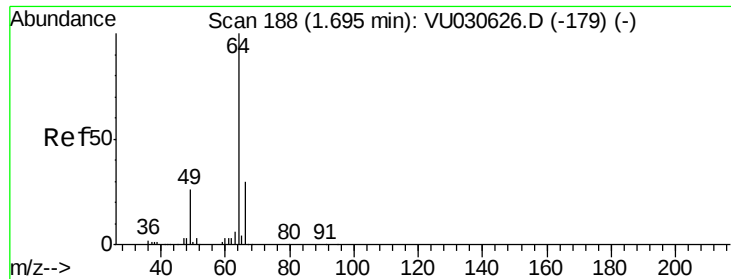
Tgt Ion: 94 Resp: 164703

Ion Ratio Lower Upper

94 100

96 92.5 64.8 120.3





#8

Chloroethane

Concen: 46.673 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

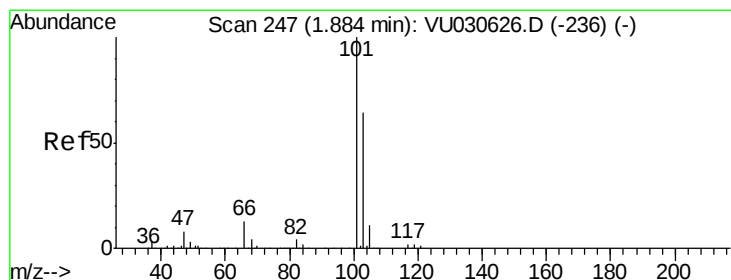
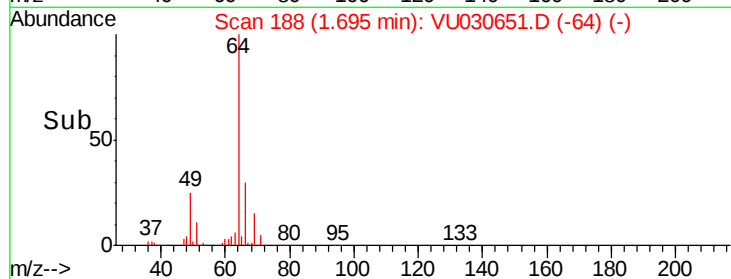
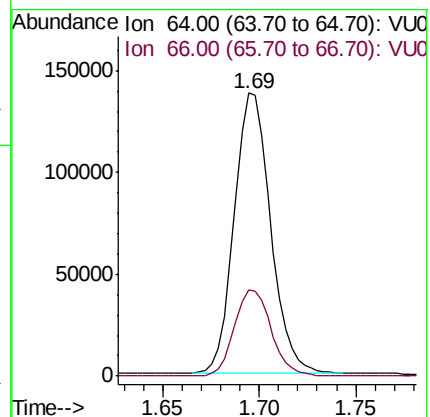
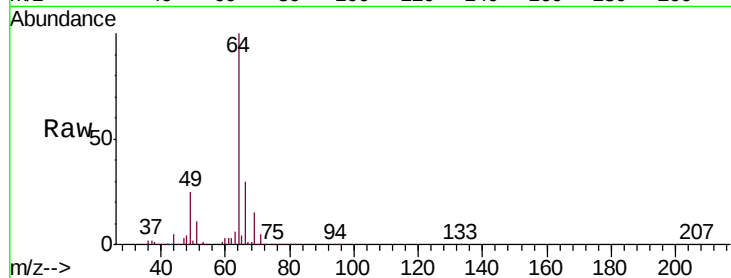
VSTD05045

Tgt Ion: 64 Resp: 178983

Ion Ratio Lower Upper

64 100

66 30.3 22.5 41.7



#9

Trichlorofluoromethane

Concen: 46.400 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU030651.D

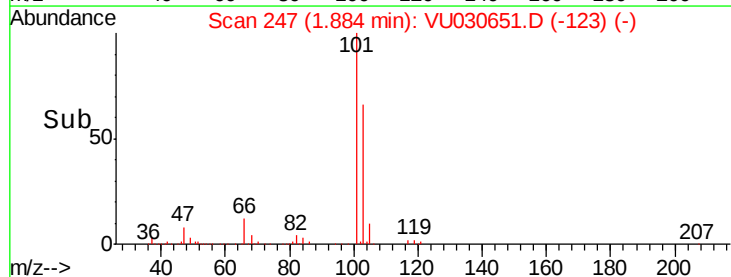
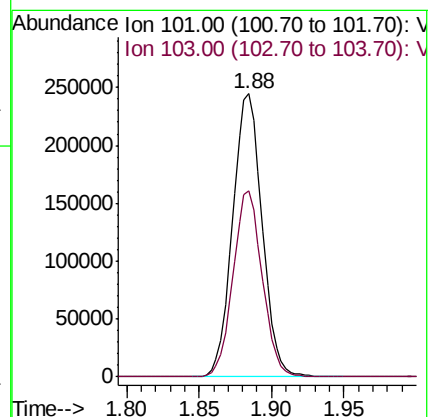
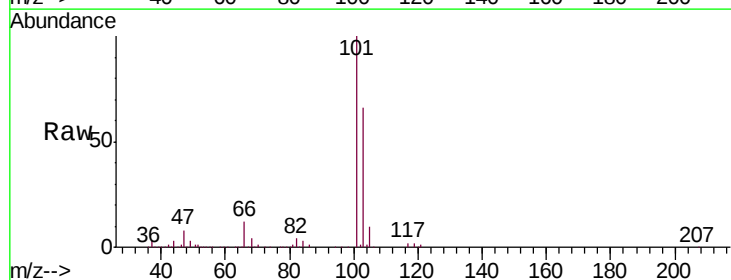
Acq: 04 Apr 2019 00:48

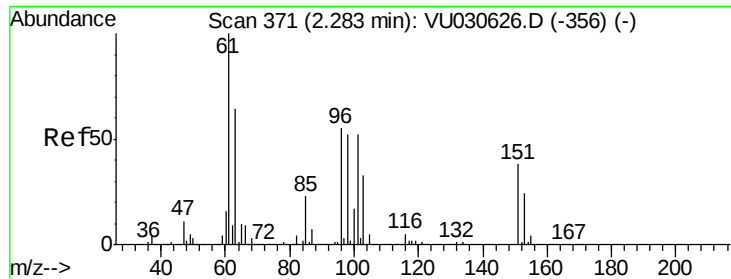
Tgt Ion: 101 Resp: 343703

Ion Ratio Lower Upper

101 100

103 65.0 51.1 76.7





#10

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

Concen: 45.230 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

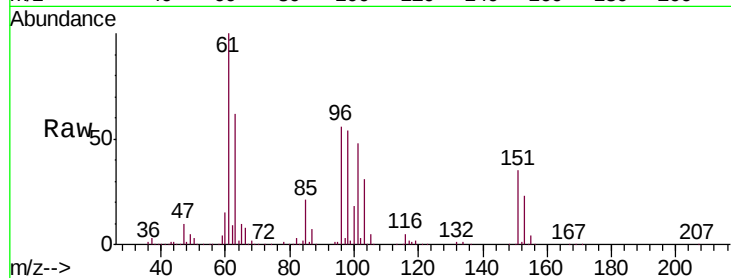
Tgt Ion: 101 Resp: 191625

Ion Ratio Lower Upper

101 100

85 43.2 34.8 52.2

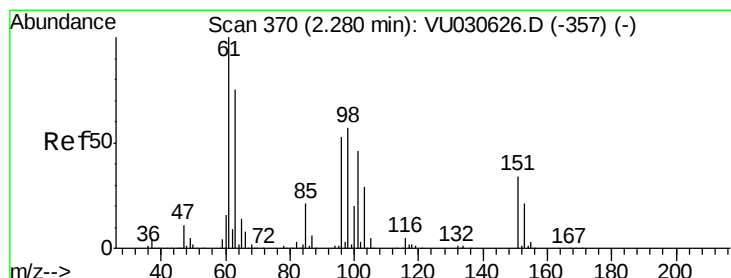
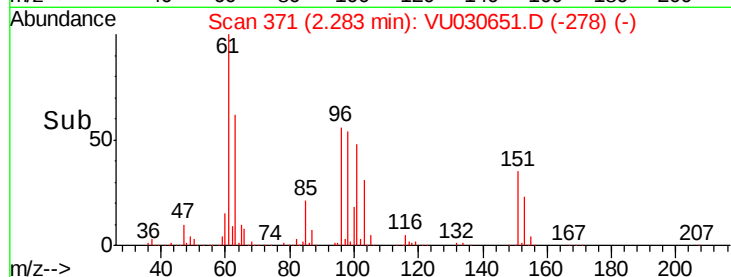
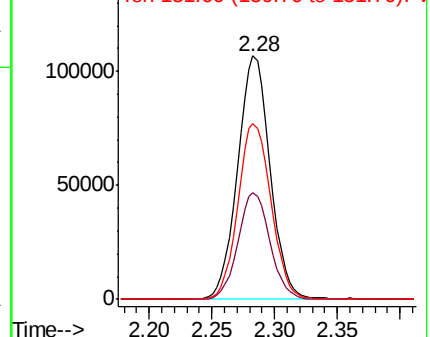
151 73.8 56.6 85.0



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: 48.043 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

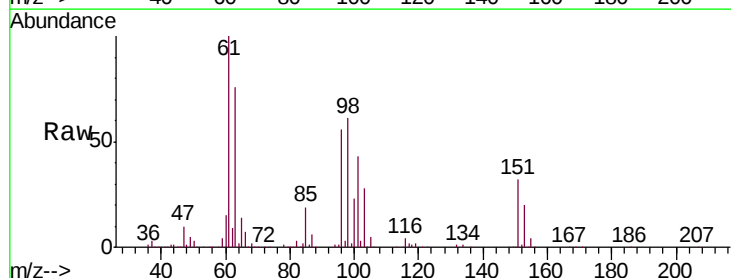
Tgt Ion: 96 Resp: 199537

Ion Ratio Lower Upper

96 100

61 179.2 131.0 243.4

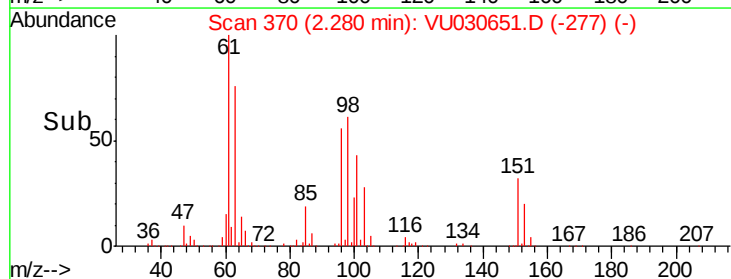
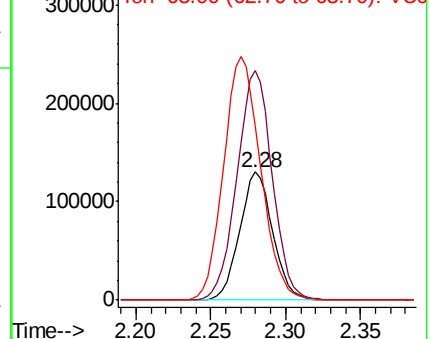
63 136.0 92.4 171.6

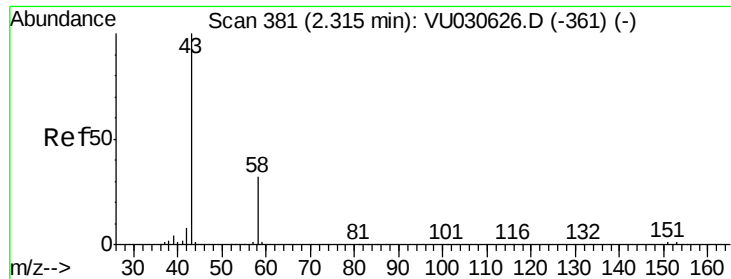


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 70.141 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

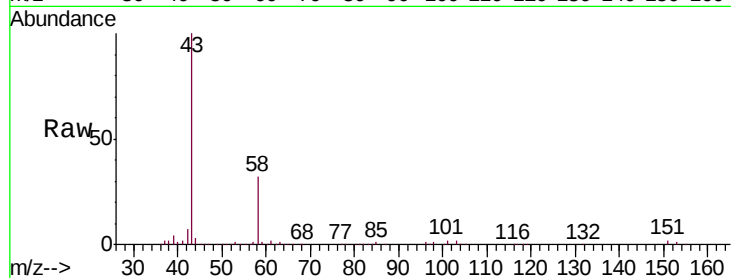
VSTD05045

Tgt Ion: 43 Resp: 311516

Ion Ratio Lower Upper

43 100

58 32.3 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030626.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU030626.D (-361) (-)

2.32

200000

150000

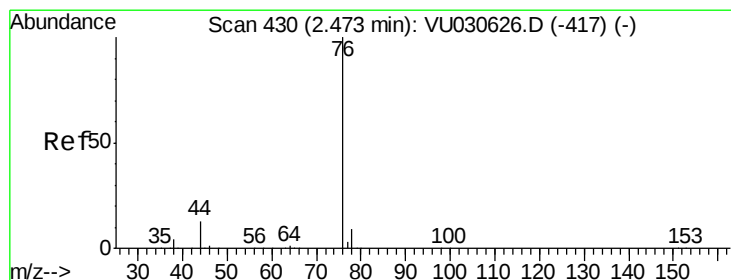
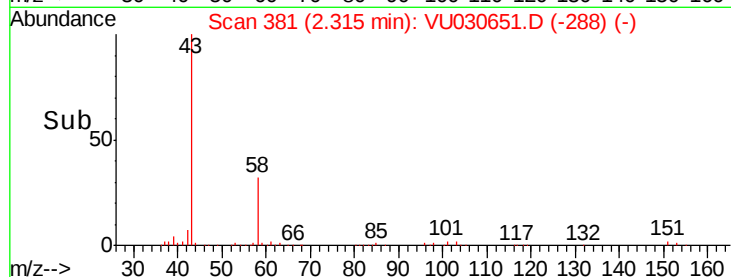
100000

50000

0

Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 44.993 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU030651.D

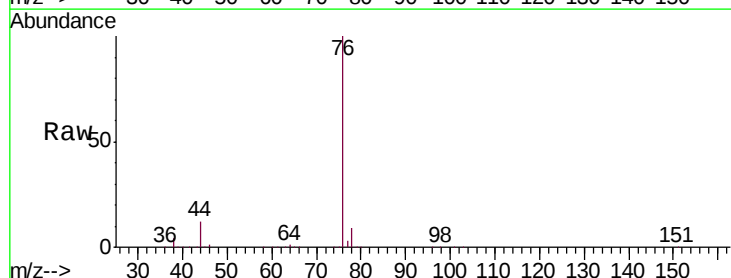
Acq: 04 Apr 2019 00:48

Tgt Ion: 76 Resp: 617873

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU030626.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU030626.D (-417) (-)

2.47

400000

300000

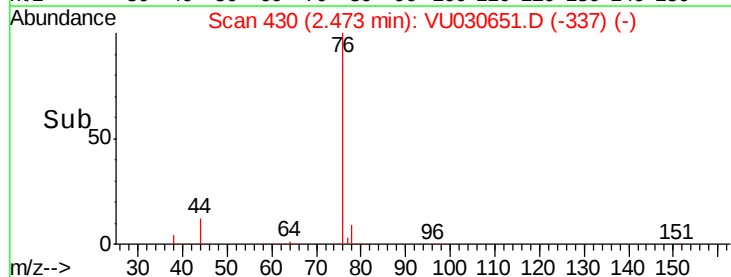
200000

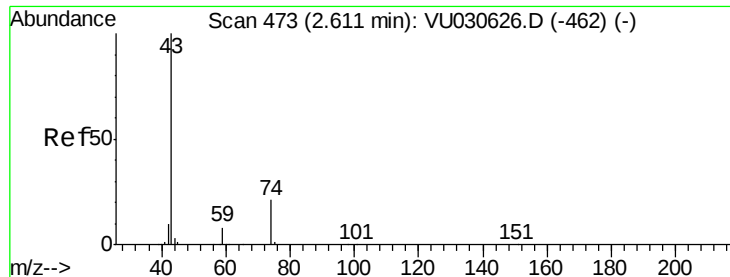
100000

0

Time-->

2.40 2.45 2.50 2.55

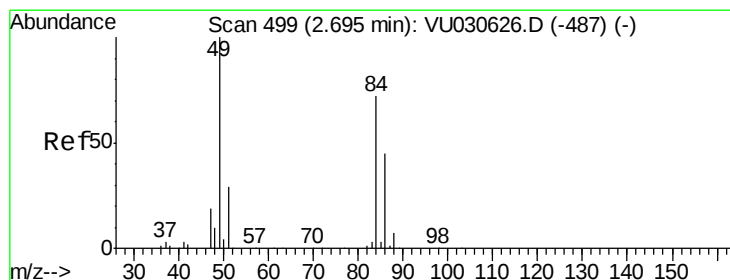
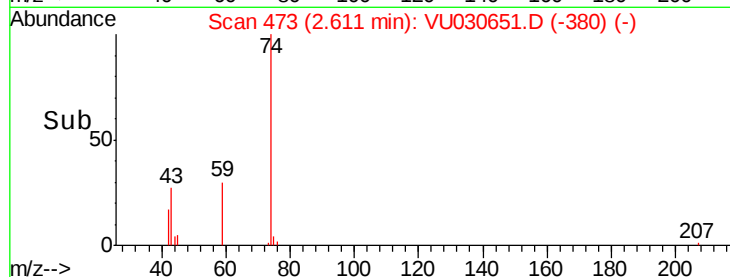
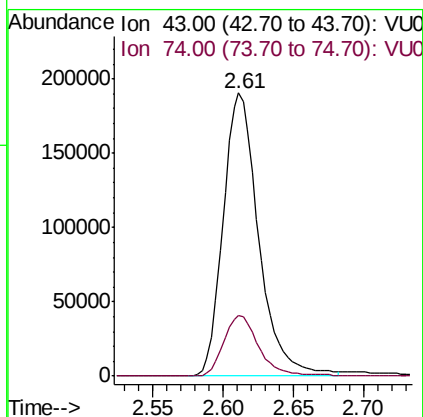
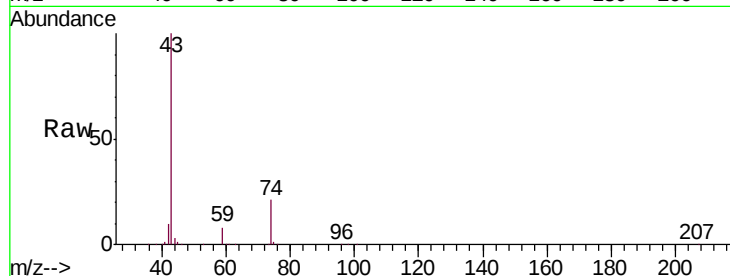




#15
Methyl Acetate
Concen: 48.824 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU030651.D
Acq: 04 Apr 2019 00:48

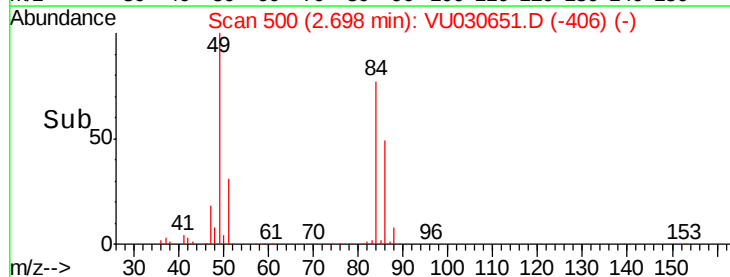
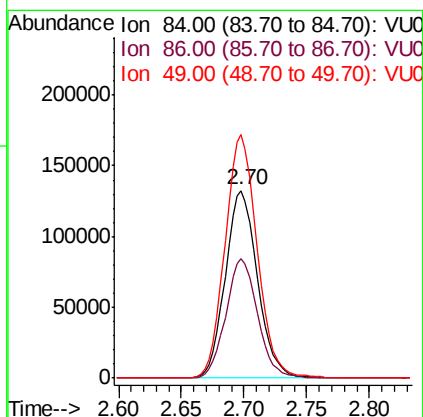
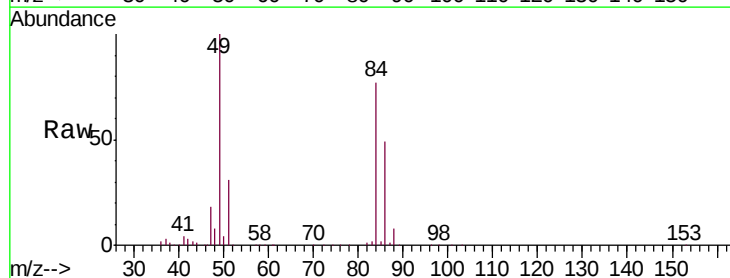
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

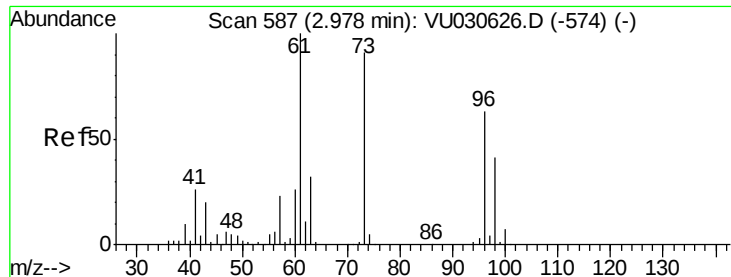
Tgt Ion: 43 Resp: 332029
Ion Ratio Lower Upper
43 100
74 21.1 0.0 0.0#



#16
Methylene chloride
Concen: 48.189 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030651.D
Acq: 04 Apr 2019 00:48

Tgt Ion: 84 Resp: 235944
Ion Ratio Lower Upper
84 100
86 63.5 44.3 82.3
49 129.6 94.9 176.3

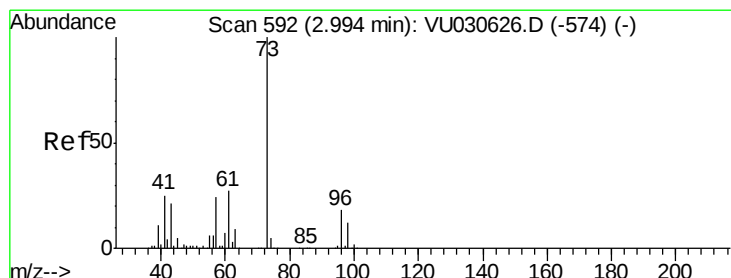
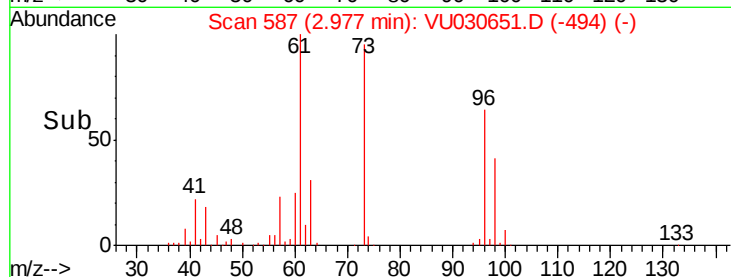
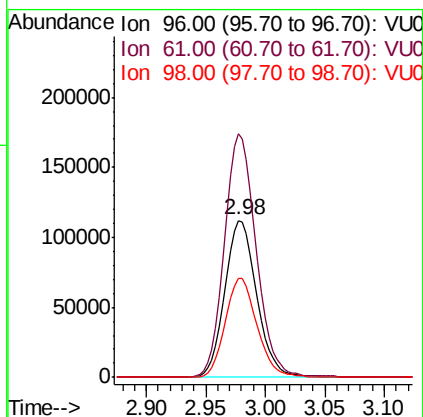
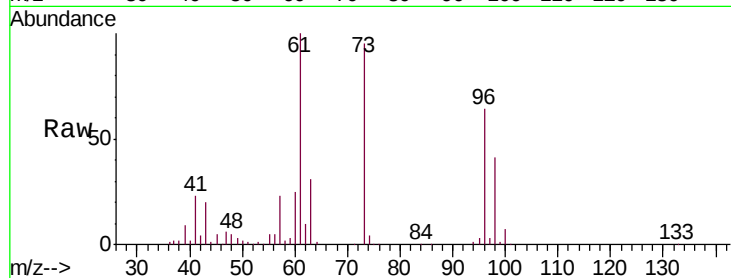




#17
trans-1,2-Dichloroethene
Concen: 47.755 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU030651.D
Acq: 04 Apr 2019 00:48

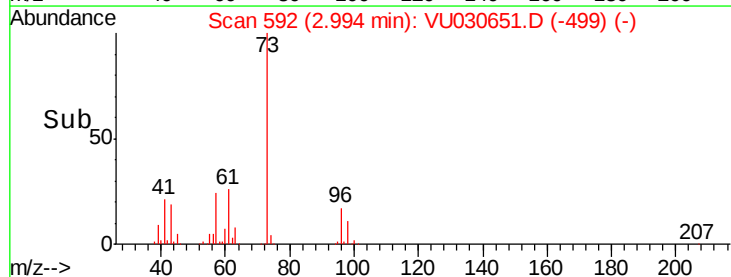
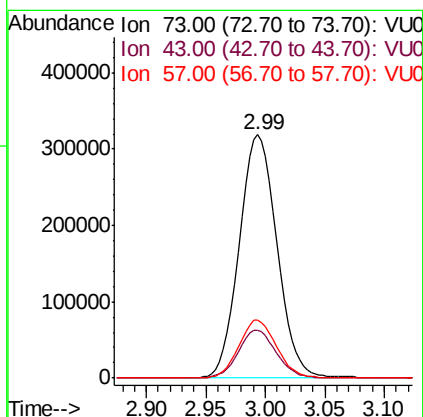
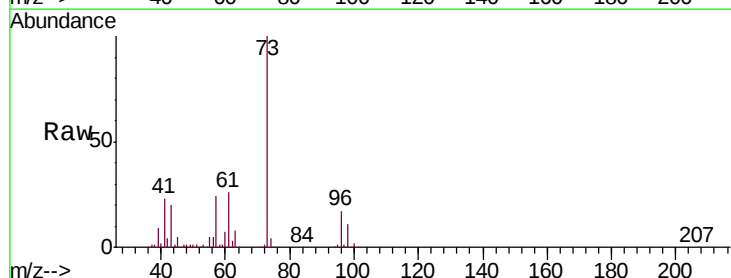
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

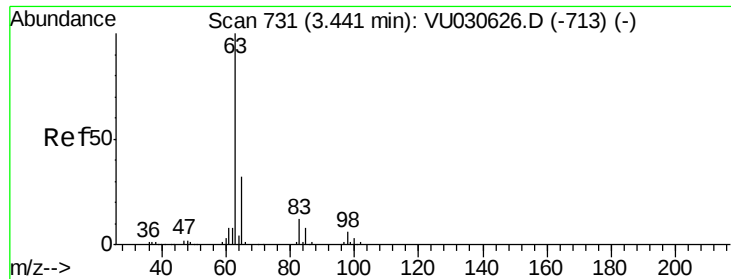
Tgt Ion: 96 Resp: 208083
Ion Ratio Lower Upper
96 100
61 155.5 108.6 201.8
98 63.1 42.3 78.5



#18
Methyl tert-butyl Ether
Concen: 48.684 ug/L
RT: 2.99 min Scan# 592
Delta R.T. -0.00 min
Lab File: VU030651.D
Acq: 04 Apr 2019 00:48

Tgt Ion: 73 Resp: 701515
Ion Ratio Lower Upper
73 100
43 19.5 16.6 24.8
57 23.6 18.9 28.3

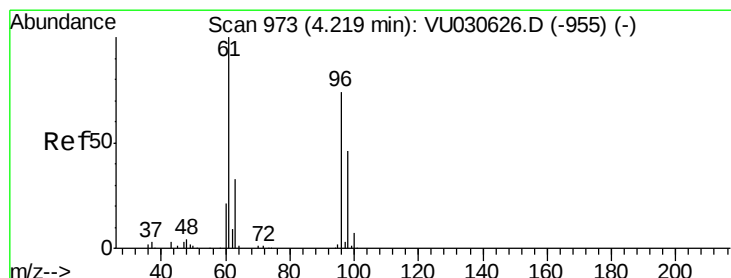
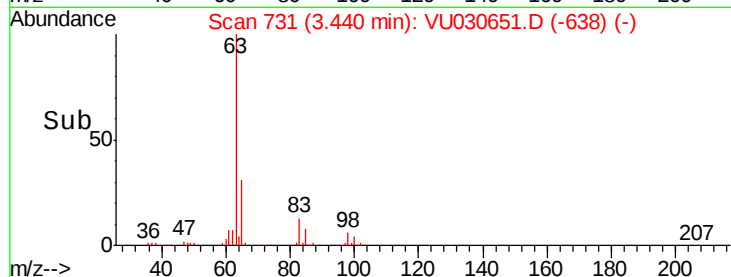
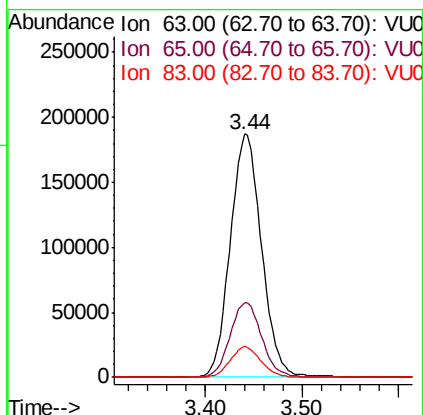
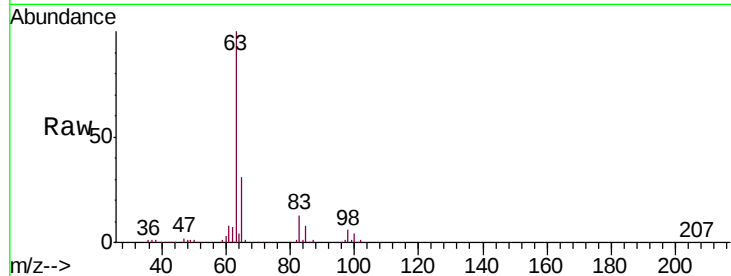




#19
 1,1-Dichloroethane
 Concen: 47.091 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

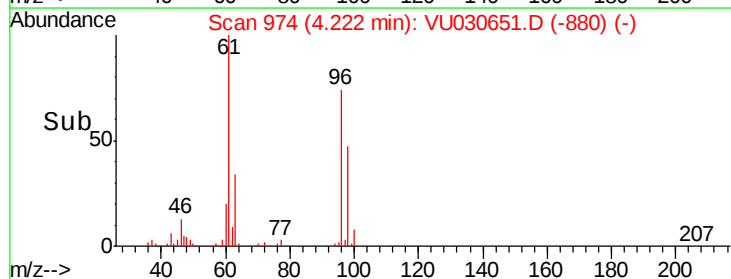
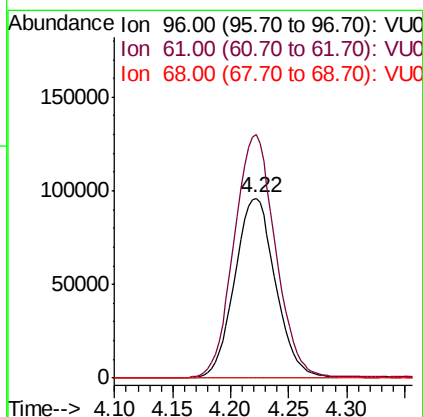
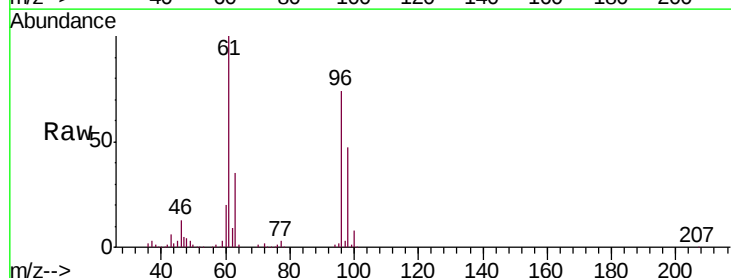
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

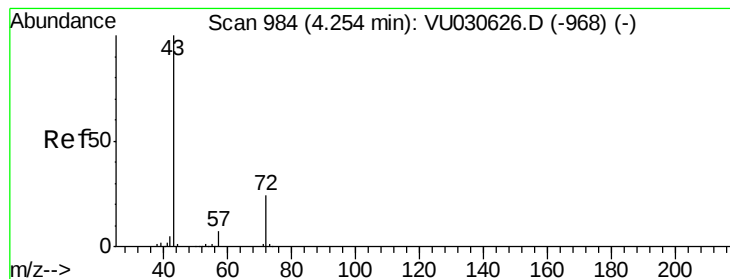
Tgt Ion: 63 Resp: 420976
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.0 40.8
 83 12.7 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 48.222 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

Tgt Ion: 96 Resp: 235650
 Ion Ratio Lower Upper
 96 100
 61 135.1 98.4 182.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 89.896 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

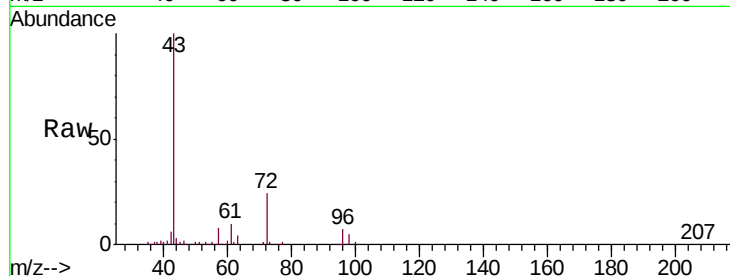
VSTD05045

Tgt Ion: 43 Resp: 482585

Ion Ratio Lower Upper

43 100

72 24.2 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU030626.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU030626.D (-968) (-)

4.25

200000

150000

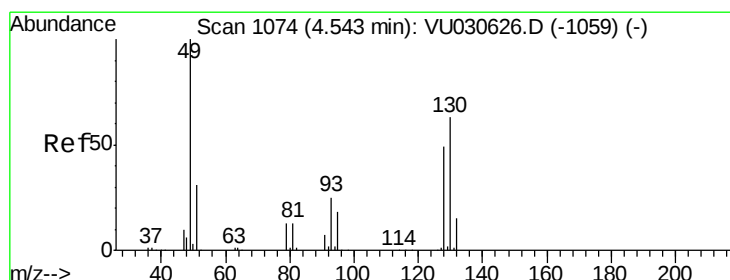
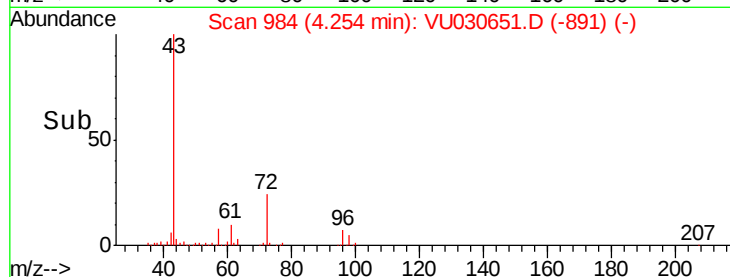
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 49.822 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Tgt Ion: 128 Resp: 113162

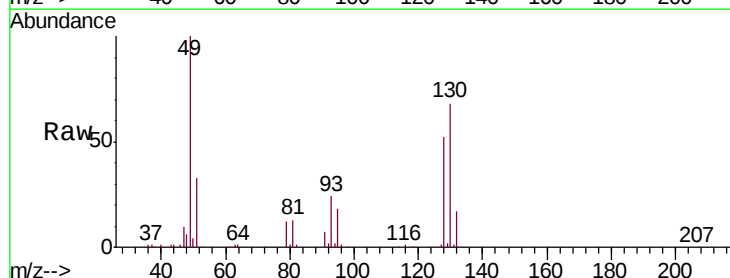
Ion Ratio Lower Upper

128 100

49 194.1 145.5 270.3

130 131.7 95.3 177.1

51 63.2 52.2 78.2



Abundance Ion 128.00 (127.70 to 128.70): VU030626.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU030626.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU030626.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU030626.D (-1059) (-)

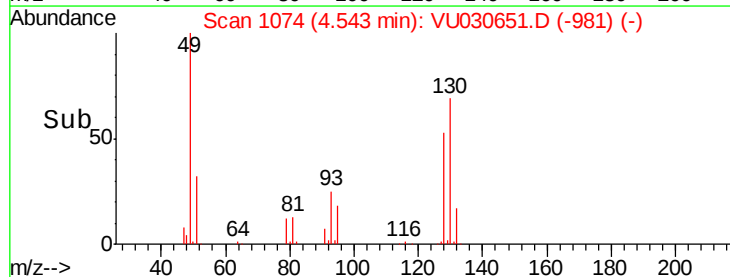
100000

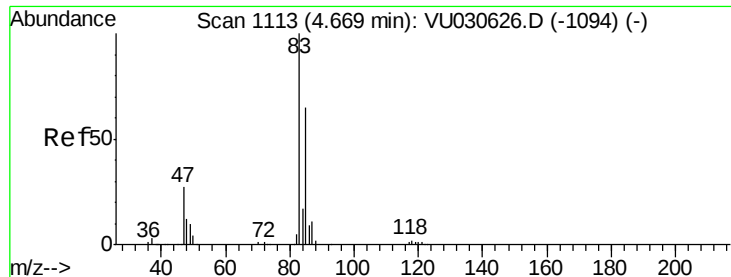
50000

0

4.45 4.50 4.55 4.60 4.65

Time-->





#25

Chloroform

Concen: 47.669 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

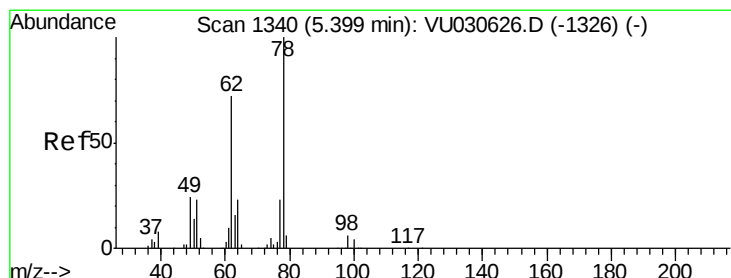
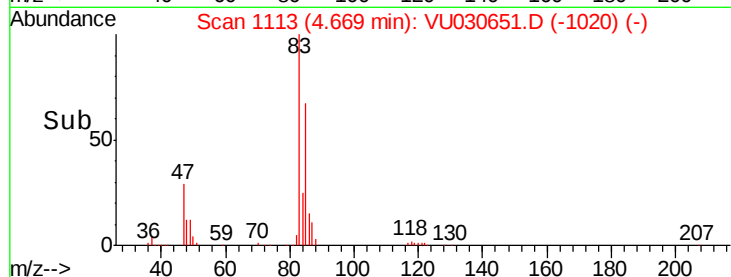
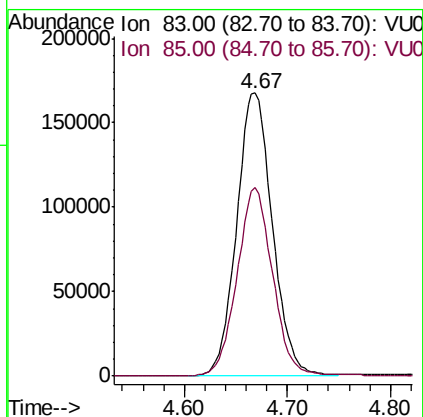
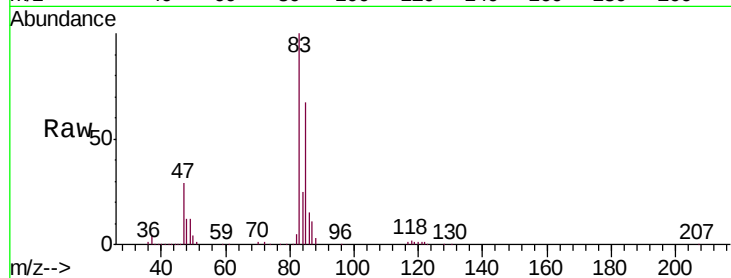
VSTD05045

Tgt Ion: 83 Resp: 405172

Ion Ratio Lower Upper

83 100

85 66.5 44.4 82.4



#27

1,2-Dichloroethane

Concen: 45.387 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU030651.D

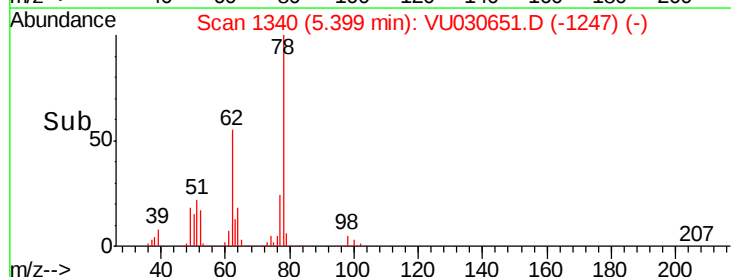
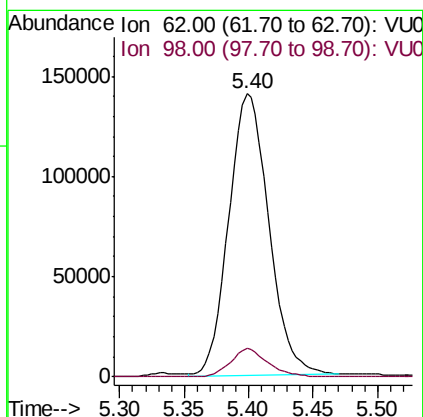
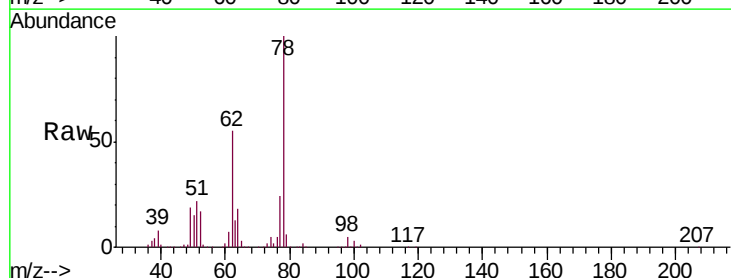
Acq: 04 Apr 2019 00:48

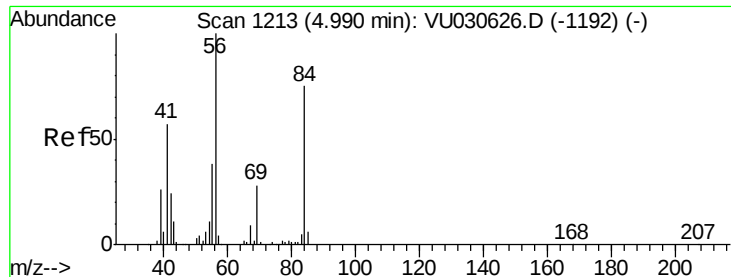
Tgt Ion: 62 Resp: 302714

Ion Ratio Lower Upper

62 100

98 9.9 7.2 10.8

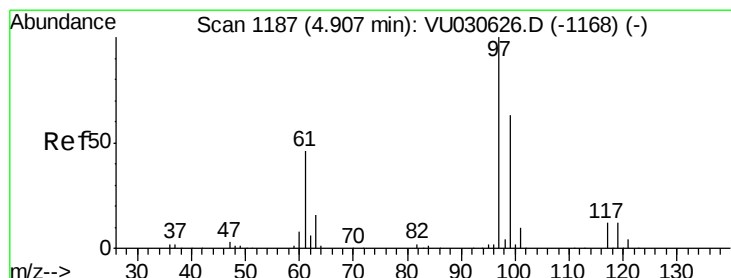
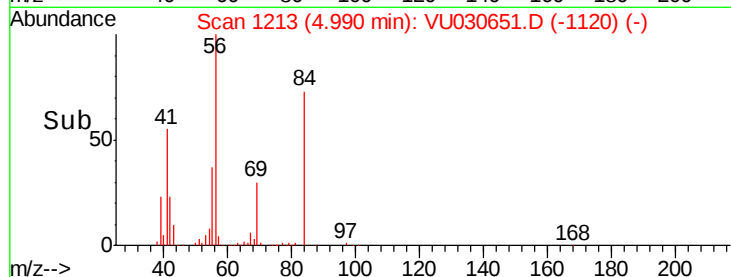
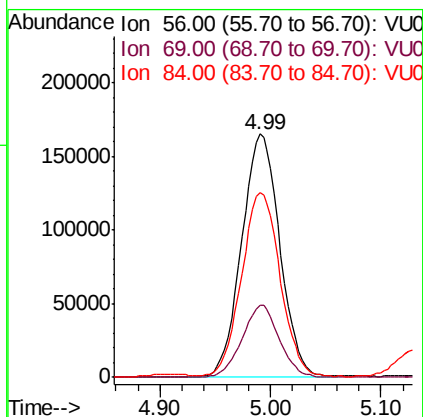
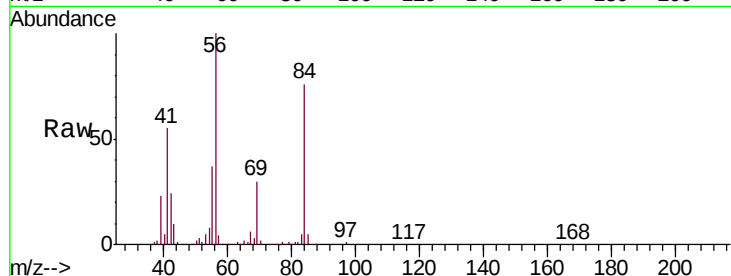




#29
Cyclohexane
Concen: 45.952 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU030651.D
Acq: 04 Apr 2019 00:48

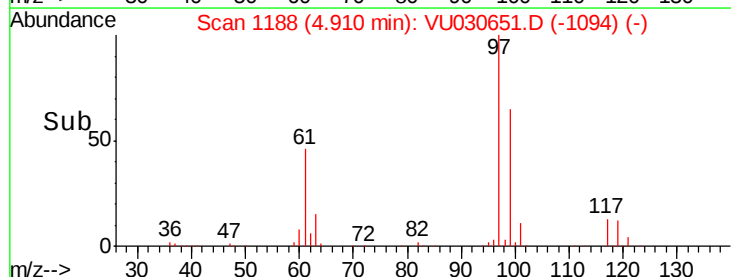
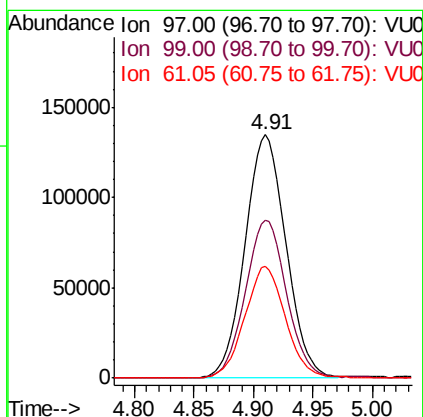
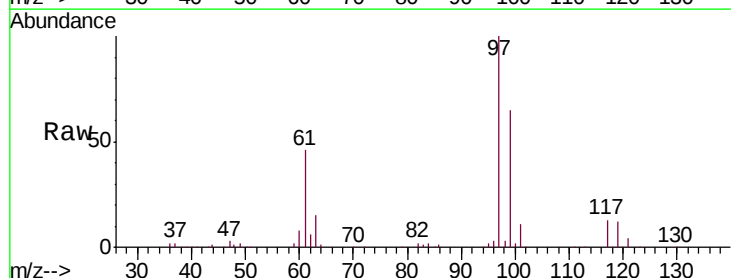
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

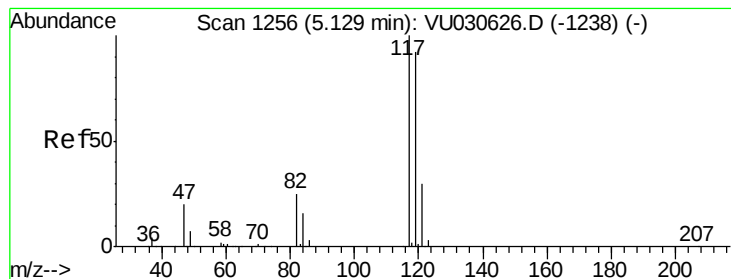
Tgt Ion: 56 Resp: 396373
Ion Ratio Lower Upper
56 100
69 28.9 22.9 34.3
84 76.4 58.9 88.3



#30
1,1,1-Trichloroethane
Concen: 46.173 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU030651.D
Acq: 04 Apr 2019 00:48

Tgt Ion: 97 Resp: 322257
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.6
61 45.7 38.2 57.4





#31

Carbon tetrachloride

Concen: 46.685 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

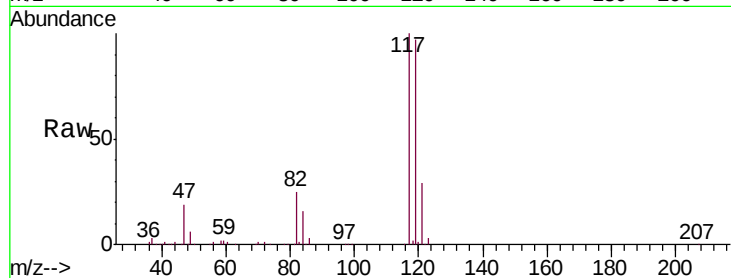
VSTD05045

Tgt Ion:117 Resp: 276179

Ion Ratio Lower Upper

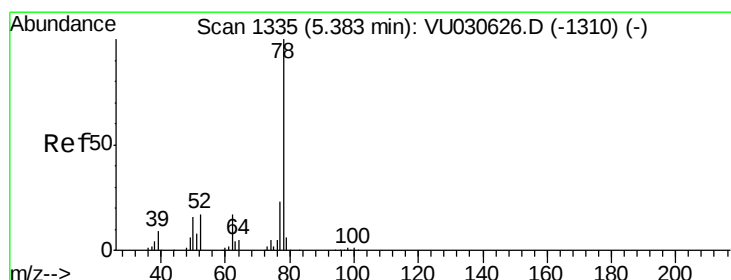
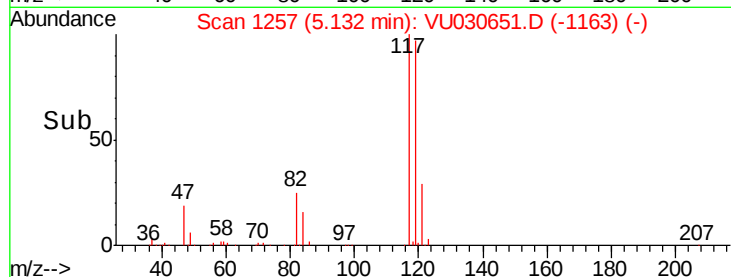
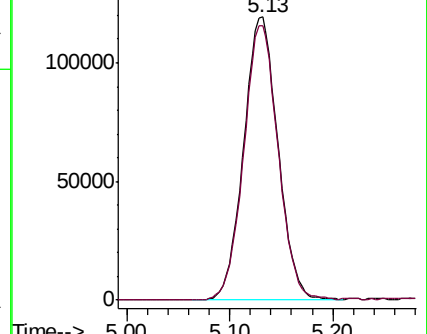
117 100

119 97.3 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.354 ug/L

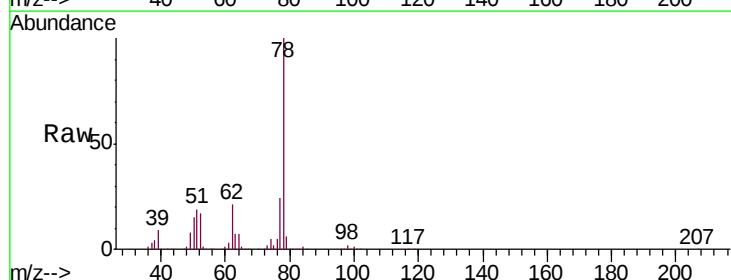
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

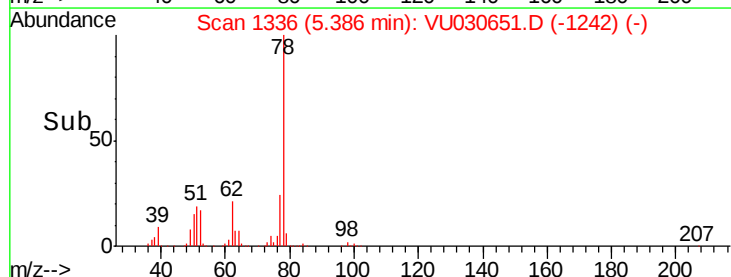
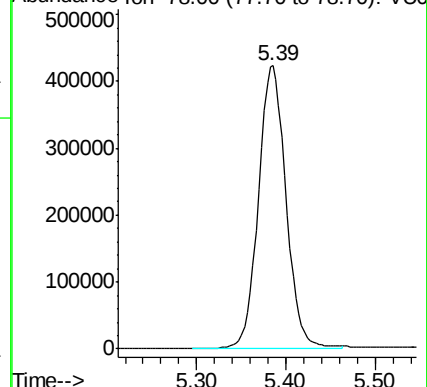
Lab File: VU030651.D

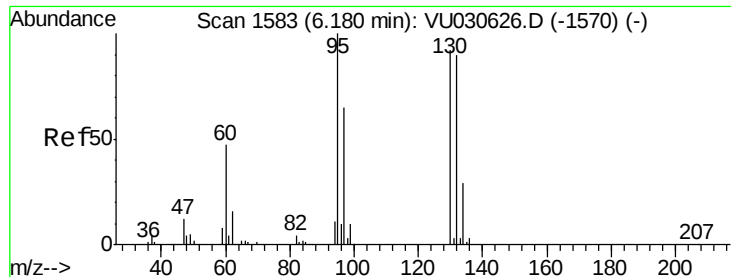
Acq: 04 Apr 2019 00:48

Tgt Ion: 78 Resp: 918837



Abundance Ion 78.00 (77.70 to 78.70): VU0

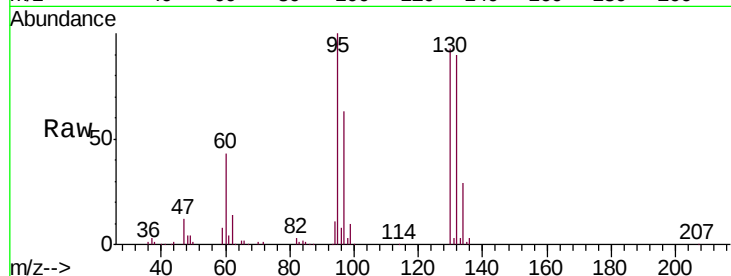




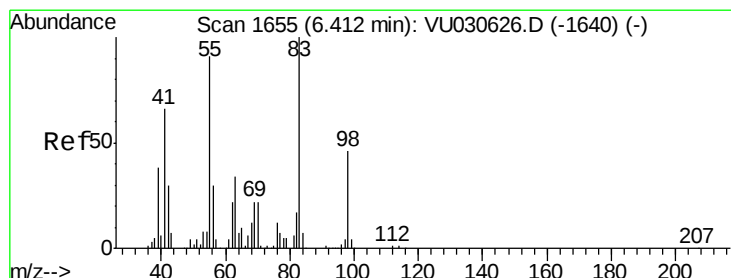
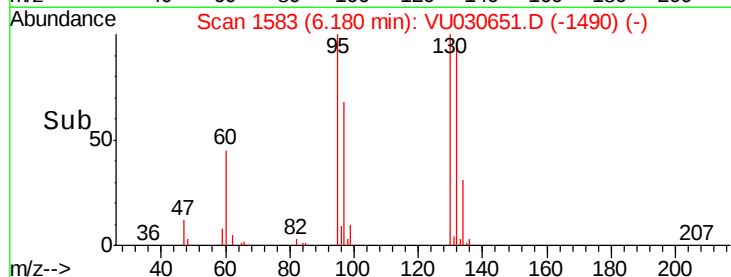
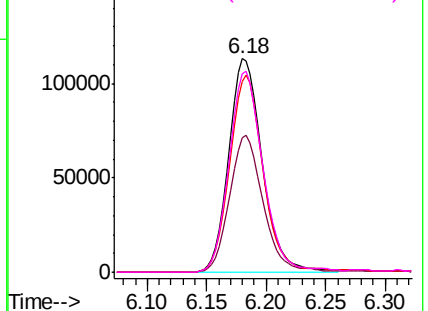
#34
 Trichloroethene
 Concen: 46.499 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion:	95	Resp:	221799
Ion	Ratio	Lower	Upper
95	100		
97	62.9	45.7	84.9
132	89.6	63.8	118.4
130	93.1	65.7	121.9

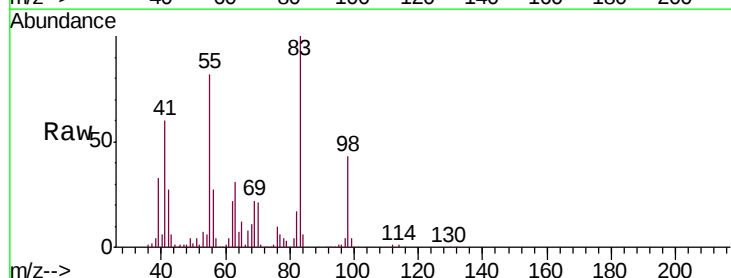


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

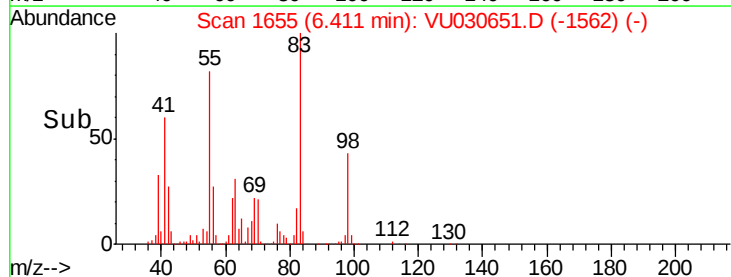
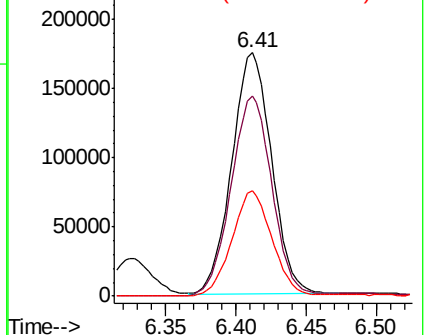


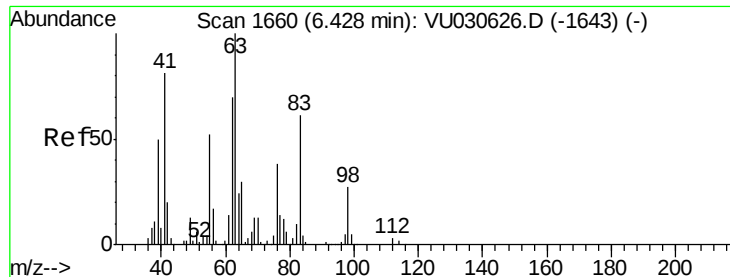
#35
 Methylcyclohexane
 Concen: 44.194 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

Tgt Ion:	83	Resp:	346891
Ion	Ratio	Lower	Upper
83	100		
55	85.0	71.4	107.0
98	43.5	36.0	54.0



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: 45.606 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

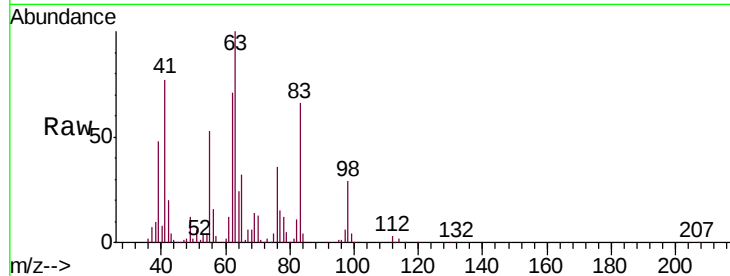
VSTD05045

Tgt Ion: 63 Resp: 251127

Ion Ratio Lower Upper

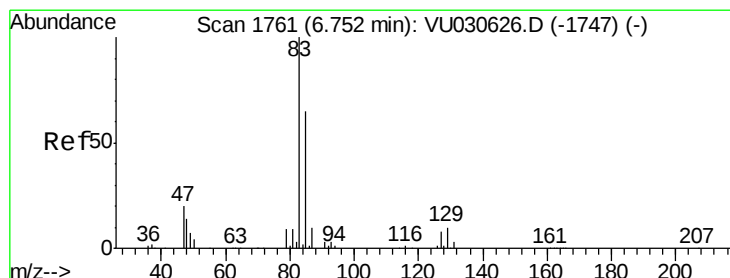
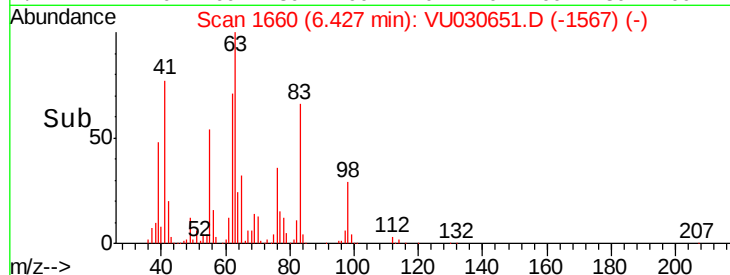
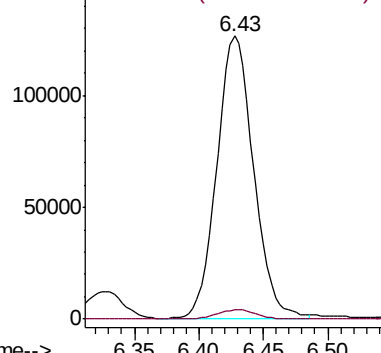
63 100

112 3.4 2.6 4.0



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 45.573 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

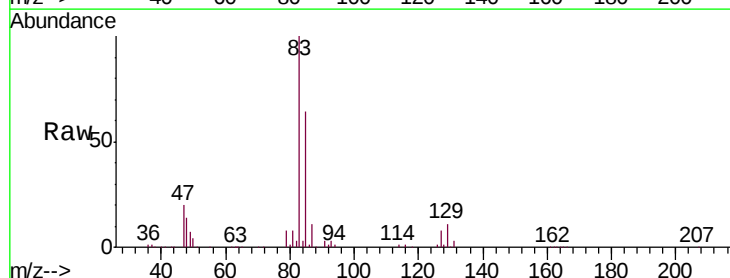
Tgt Ion: 83 Resp: 298174

Ion Ratio Lower Upper

83 100

85 64.2 45.0 83.6

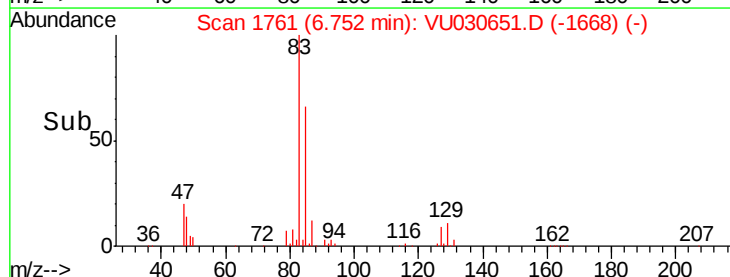
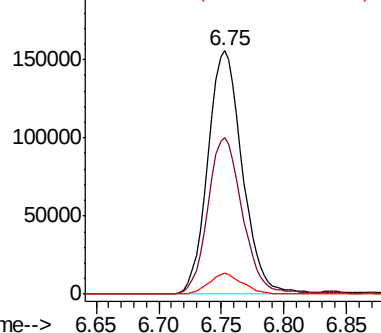
127 8.4 6.6 10.0

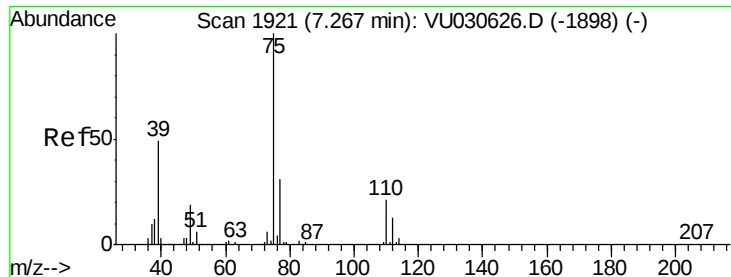


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V



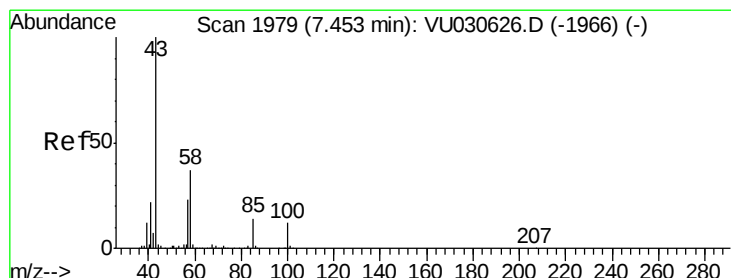
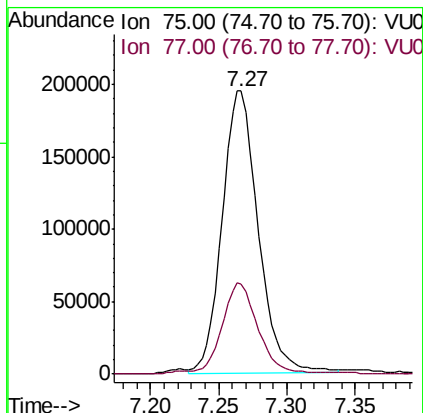
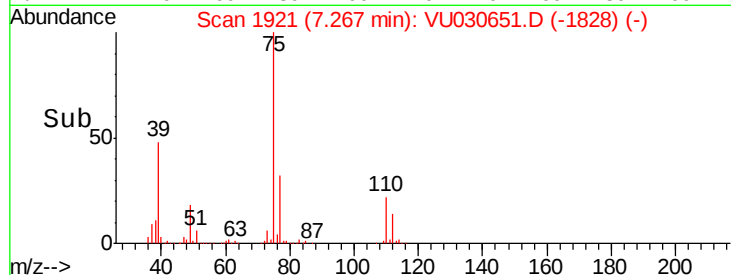
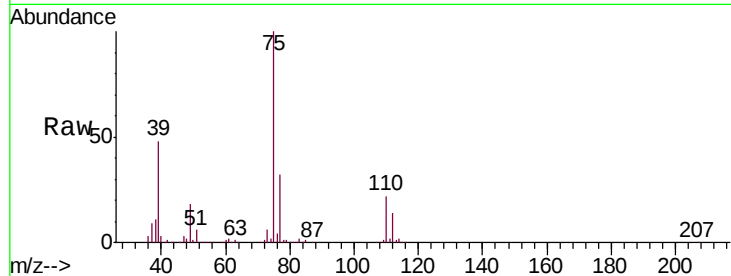


#39

cis-1,3-Dichloropropene
 Concen: 45.406 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

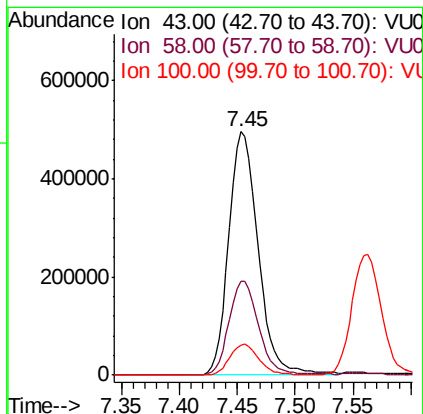
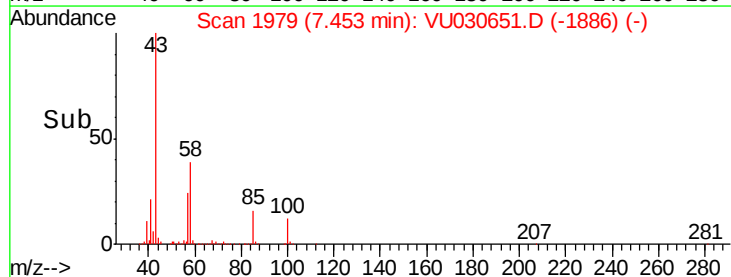
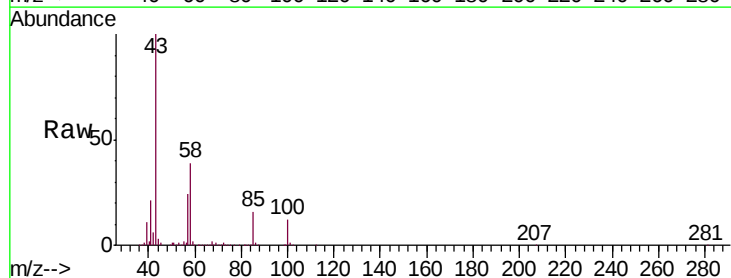
Tgt Ion: 75 Resp: 359376
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.8 40.6

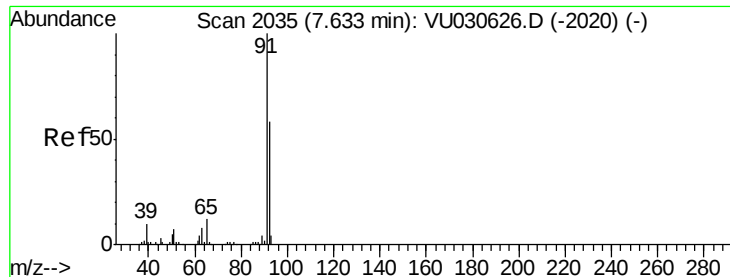


#40

4-Methyl-2-pentanone
 Concen: 94.800 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

Tgt Ion: 43 Resp: 876825
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.6 45.8
 100 12.5 9.5 14.3





#42

Toluene

Concen: 47.758 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

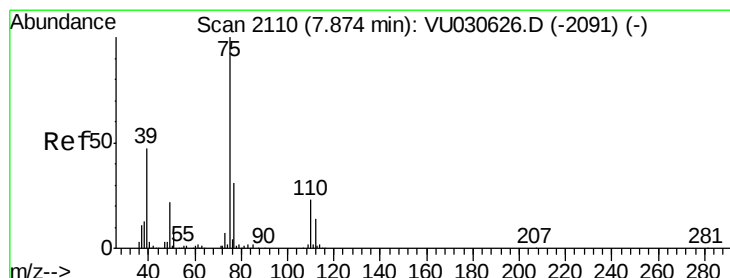
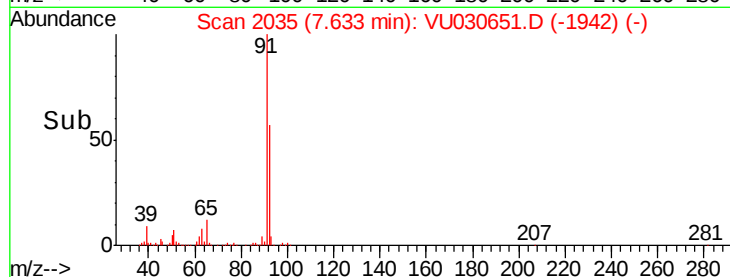
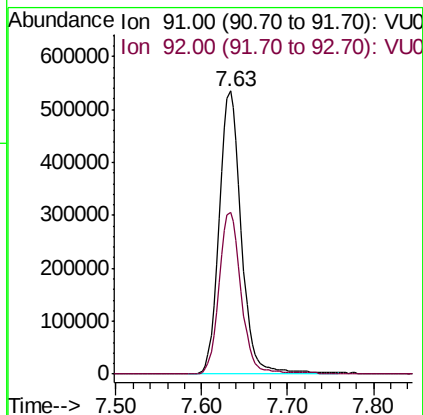
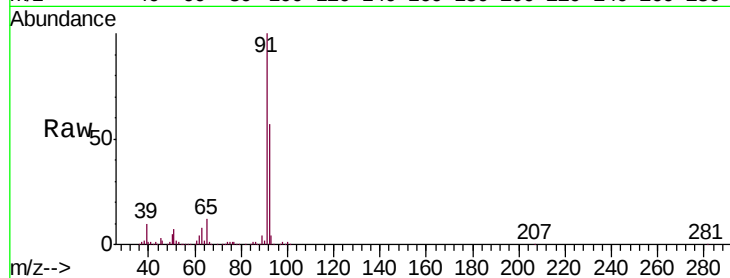
VSTD05045

Tgt Ion: 91 Resp: 961721

Ion Ratio Lower Upper

91 100

92 57.3 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 46.412 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU030651.D

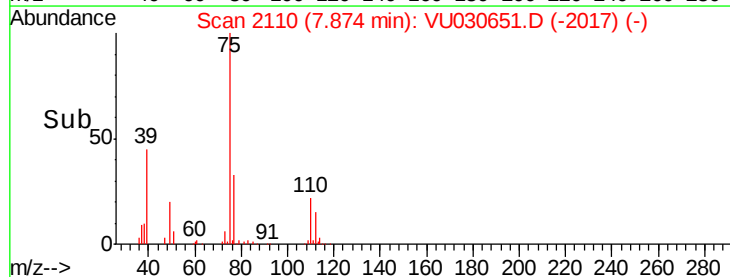
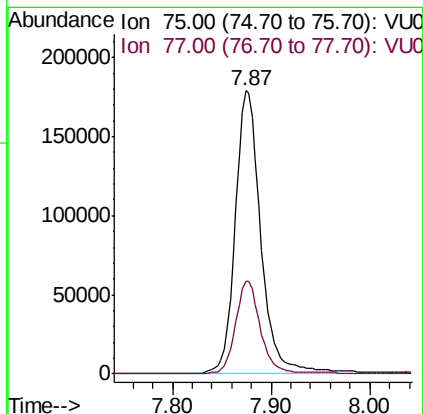
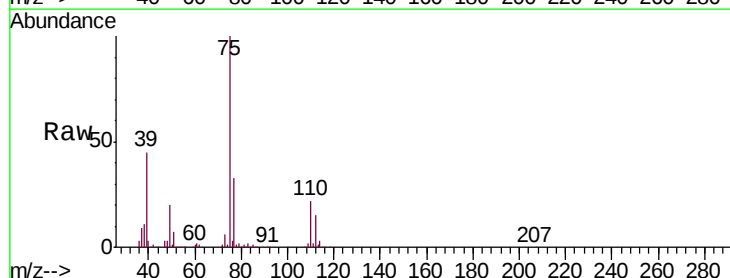
Acq: 04 Apr 2019 00:48

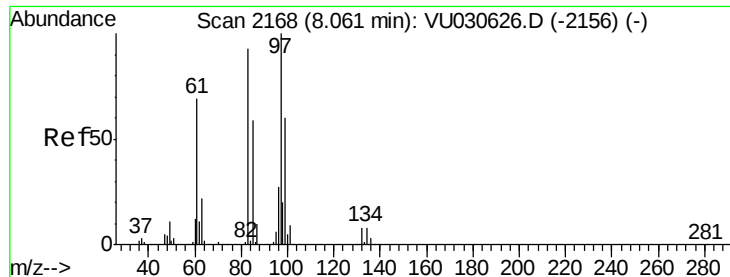
Tgt Ion: 75 Resp: 323220

Ion Ratio Lower Upper

75 100

77 33.0 22.0 40.8

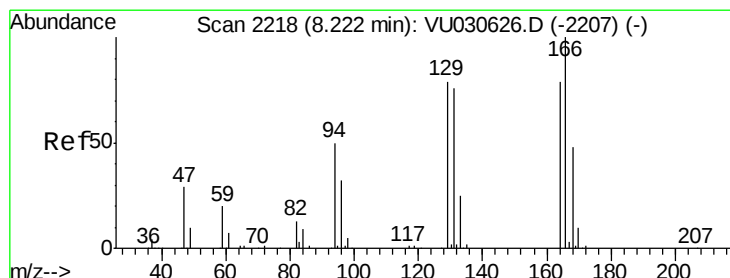
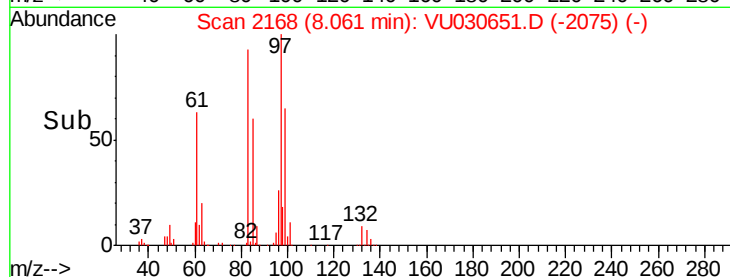
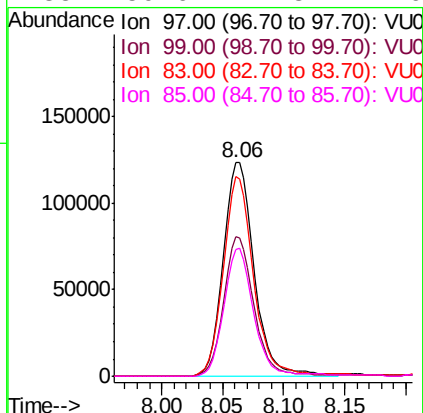
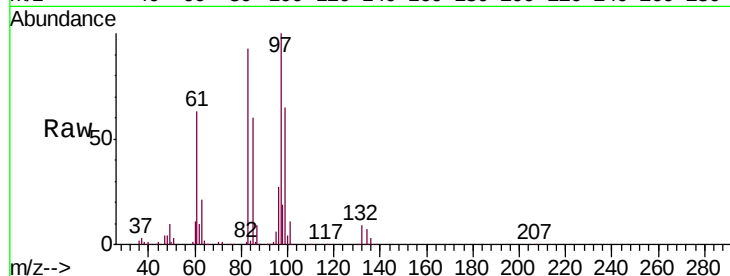




#45
 1,1,2-Trichloroethane
 Concen: 47.470 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

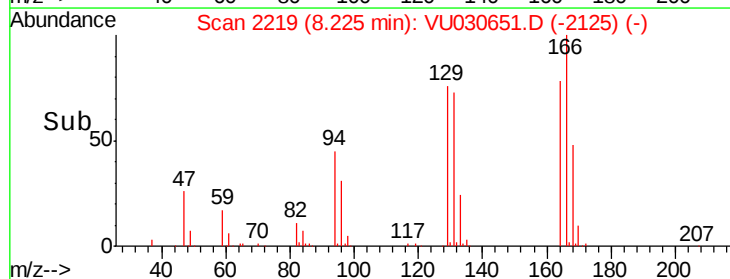
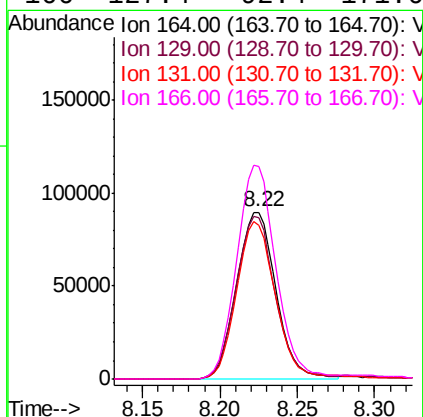
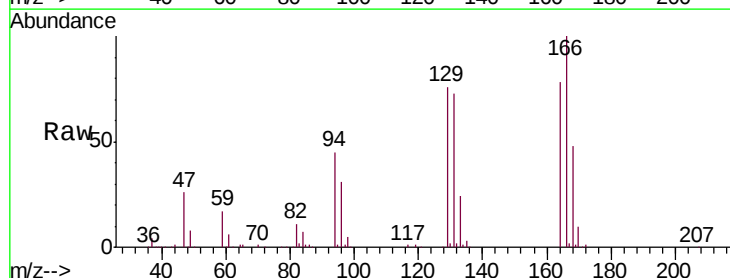
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

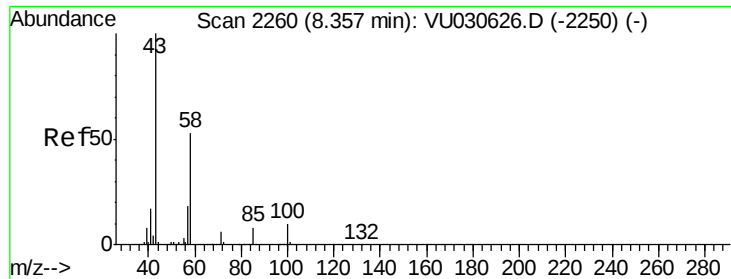
Tgt Ion:	97	Resp:	220860
Ion	Ratio	Lower	Upper
97	100		
99	65.3	44.0	81.8
83	93.3	65.3	121.3
85	59.6	41.8	77.6



#46
 Tetrachloroethene
 Concen: 47.740 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

Tgt Ion:	164	Resp:	159051
Ion	Ratio	Lower	Upper
164	100		
129	96.8	68.1	126.5
131	92.5	67.7	125.7
166	127.4	92.4	171.6

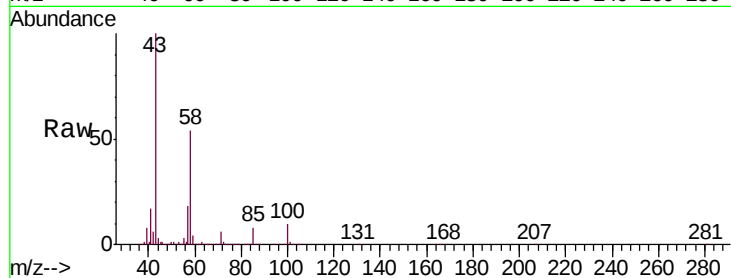




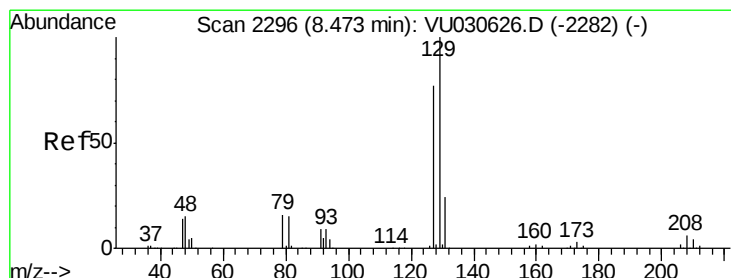
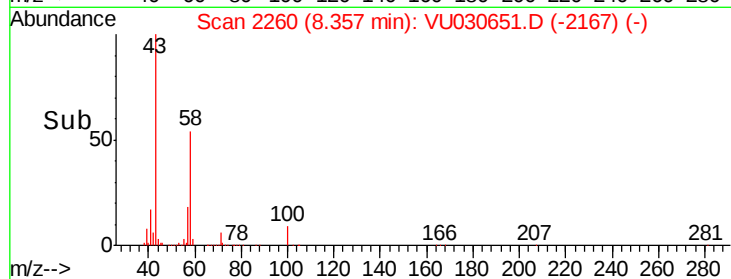
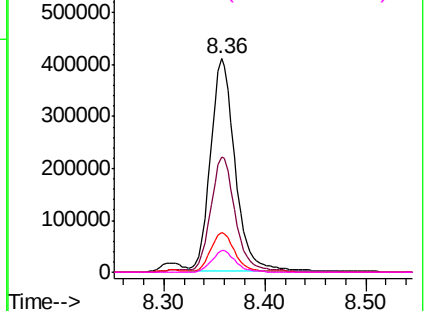
#48
2-Hexanone
Concen: 91.302 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU030651.D
Acq: 04 Apr 2019 00:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Tgt Ion:	43	Resp:	692117
Ion	Ratio	Lower	Upper
43	100		
58	53.7	42.5	63.7
57	17.7	15.0	22.6
100	9.9	7.4	11.2

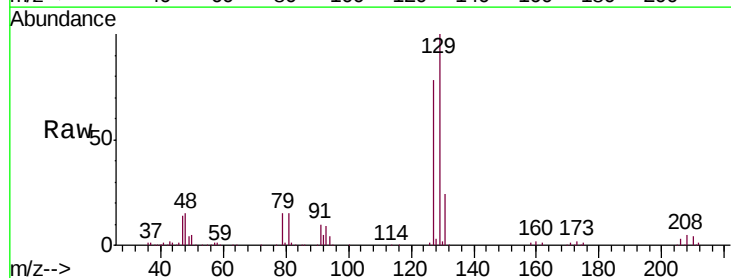


Abundance Ion 43.00 (42.70 to 43.70): VU030626.D (-2250) (-)
Ion 58.00 (57.70 to 58.70): VU030626.D (-2250) (-)
Ion 57.00 (56.70 to 57.70): VU030626.D (-2250) (-)
Ion 100.00 (99.70 to 100.70): VU030626.D (-2250) (-)

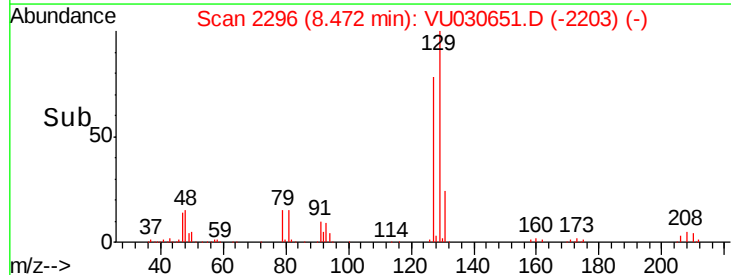
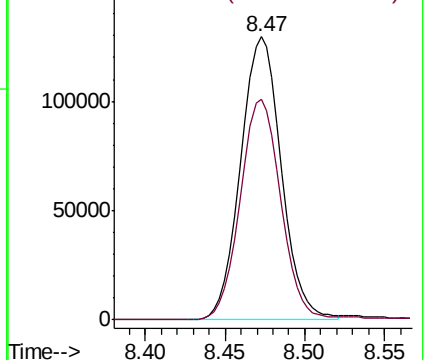


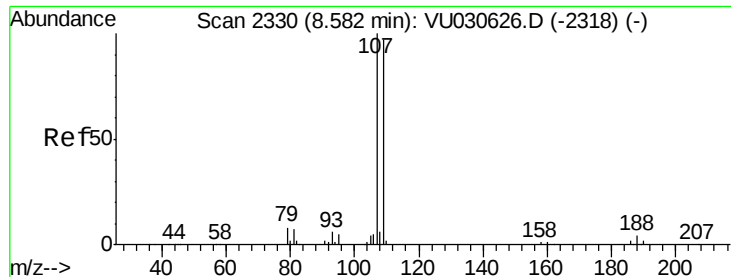
#49
Dibromochloromethane
Concen: 46.567 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030651.D
Acq: 04 Apr 2019 00:48

Tgt Ion:	129	Resp:	225125
Ion	Ratio	Lower	Upper
129	100		
127	78.0	53.2	98.8



Abundance Ion 129.00 (128.70 to 129.70): VU030626.D (-2282) (-)
Ion 127.00 (126.70 to 127.70): VU030626.D (-2282) (-)

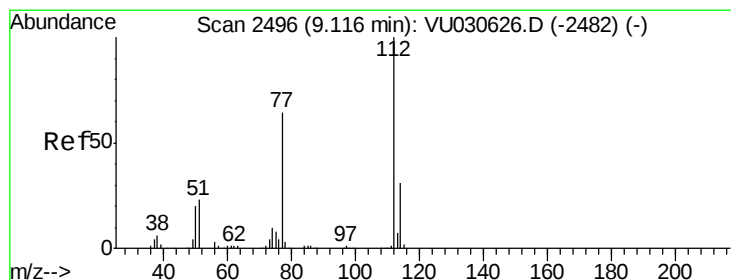
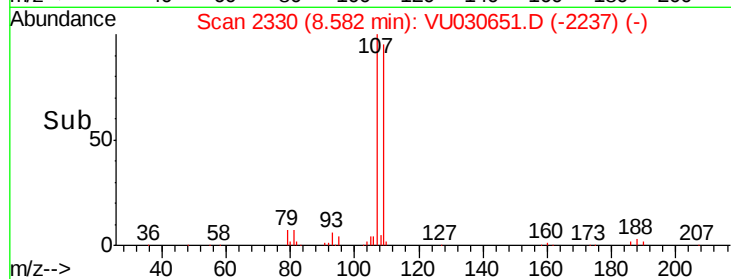
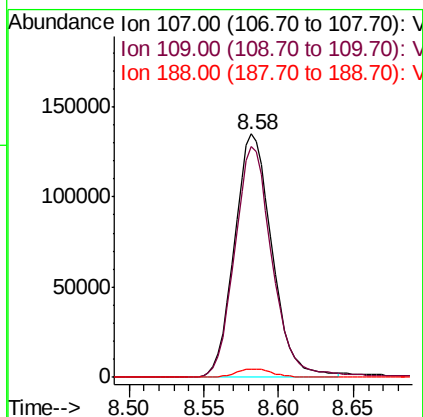
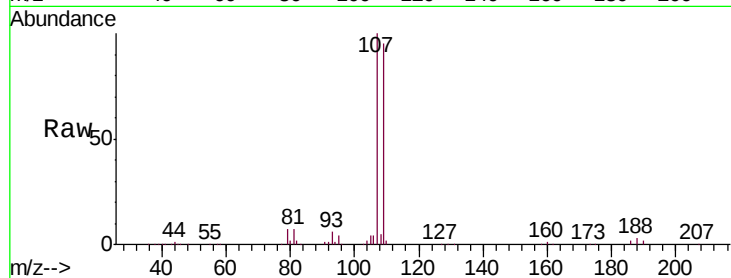




#50
 1,2-Dibromoethane
 Concen: 47.263 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

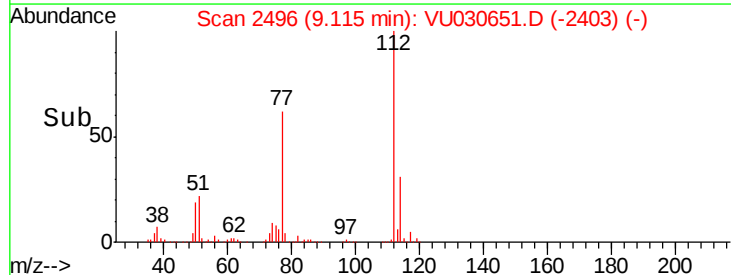
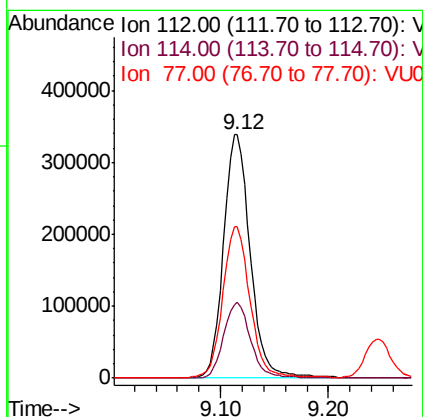
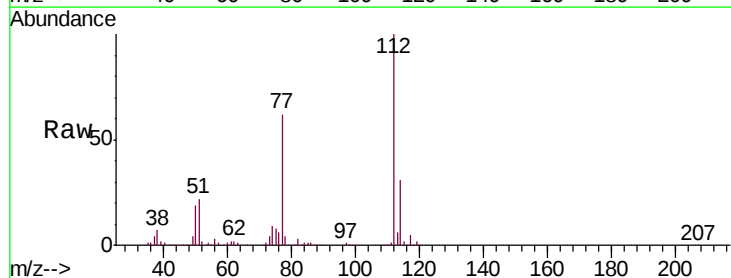
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

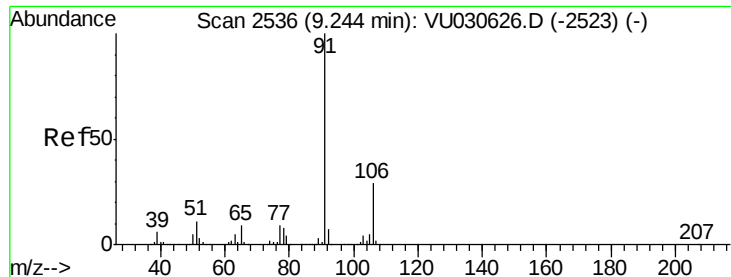
Tgt Ion:107 Resp: 235998
 Ion Ratio Lower Upper
 107 100
 109 95.1 65.8 122.2
 188 3.3 2.6 4.0



#51
 Chlorobenzene
 Concen: 47.929 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. -0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

Tgt Ion:112 Resp: 584949
 Ion Ratio Lower Upper
 112 100
 114 31.0 21.5 39.9
 77 62.1 51.4 77.0





#52

Ethylbenzene

Concen: 47.691 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

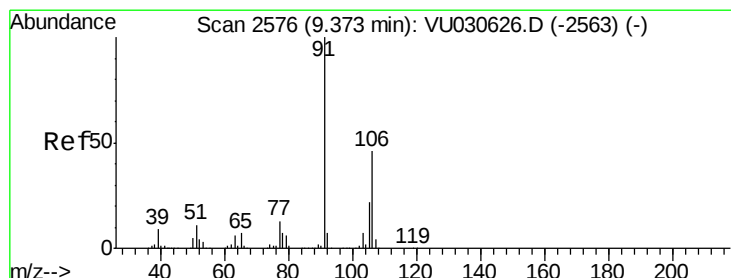
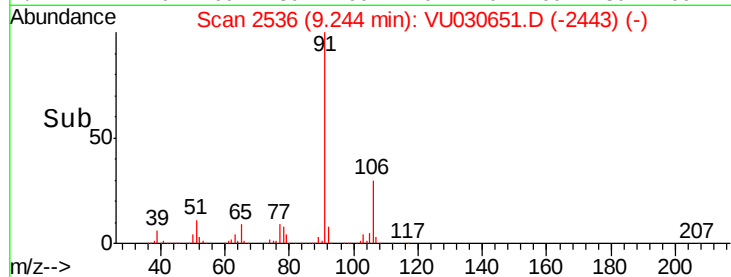
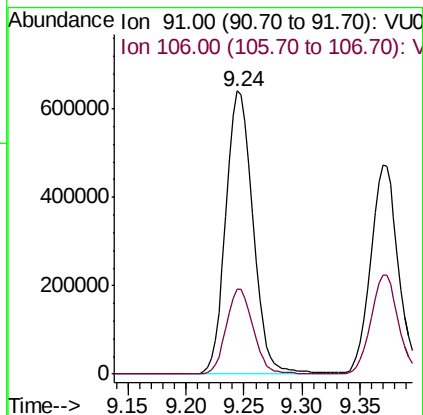
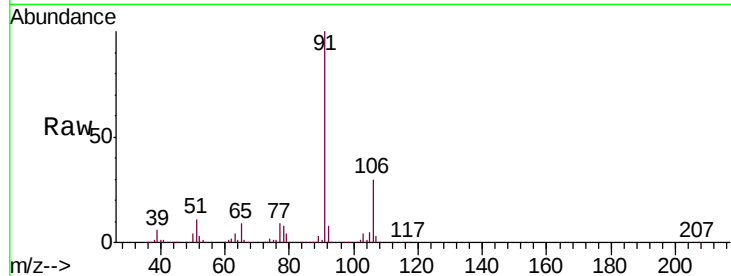
VSTD05045

Tgt Ion: 91 Resp: 1040354

Ion Ratio Lower Upper

91 100

106 30.0 20.6 38.2



#53

m,p-Xylene

Concen: 47.323 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030651.D

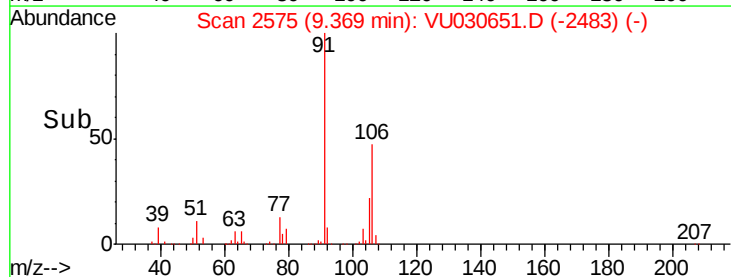
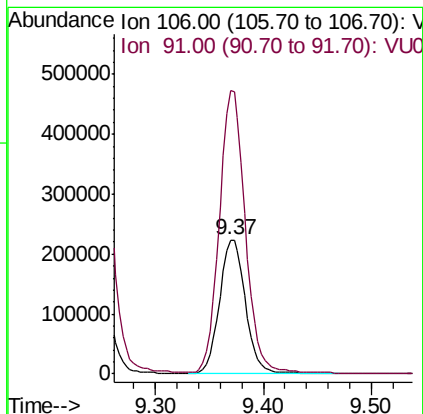
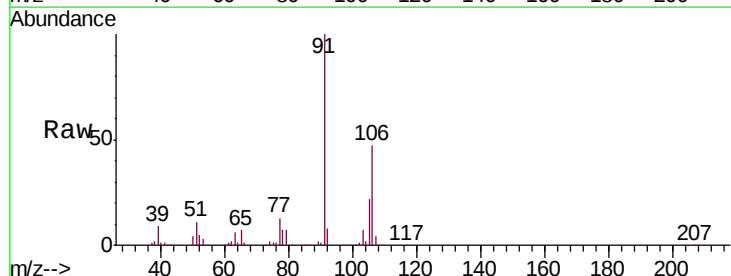
Acq: 04 Apr 2019 00:48

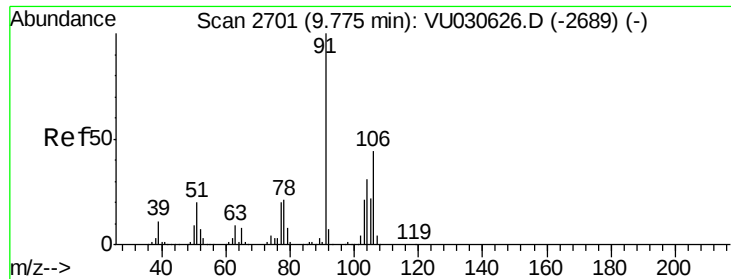
Tgt Ion: 106 Resp: 372746

Ion Ratio Lower Upper

106 100

91 211.5 151.2 280.8





#54

o-xylene

Concen: 48.484 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

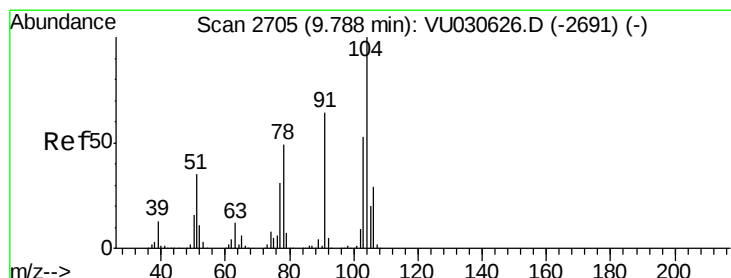
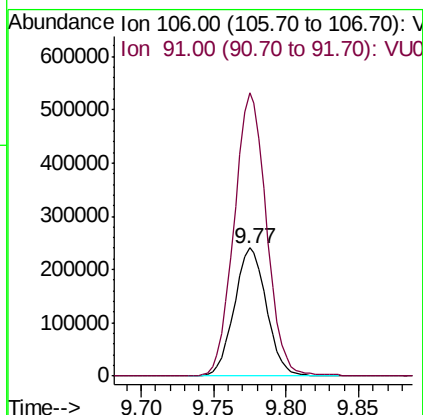
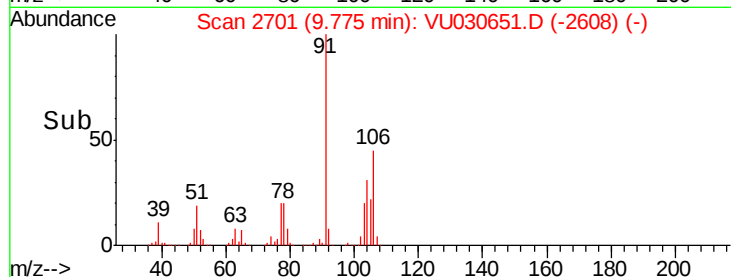
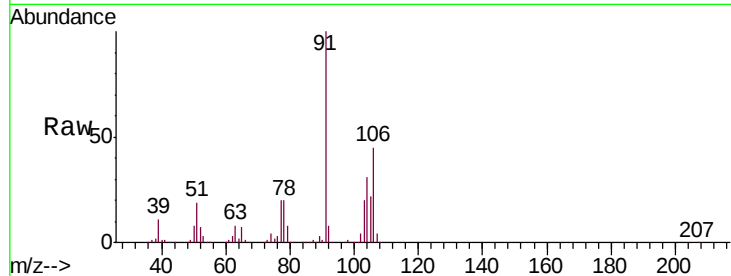
VSTD05045

Tgt Ion:106 Resp: 372624

Ion Ratio Lower Upper

106 100

91 221.1 159.6 296.4



#55

Styrene

Concen: 48.670 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU030651.D

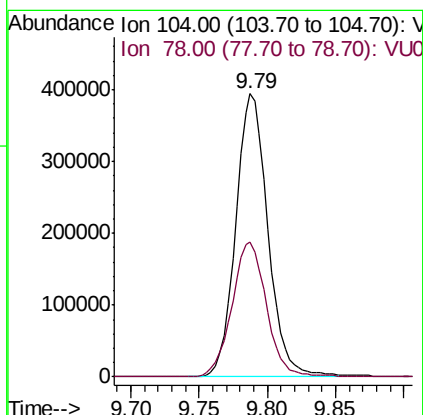
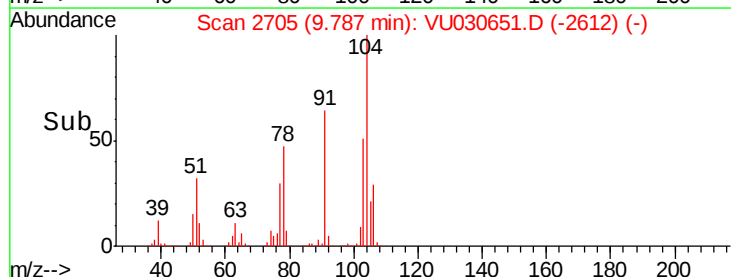
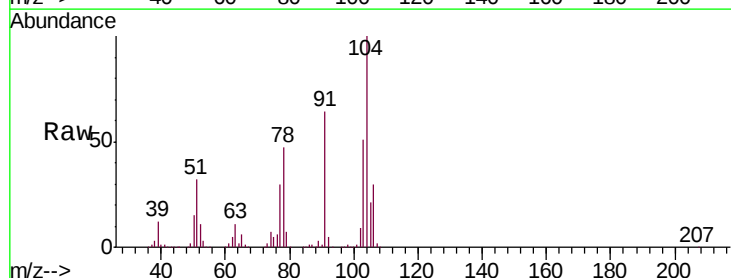
Acq: 04 Apr 2019 00:48

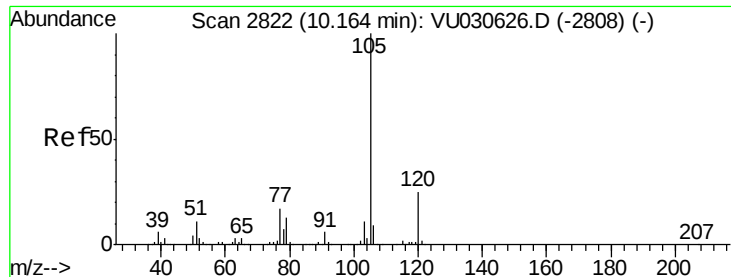
Tgt Ion:104 Resp: 644335

Ion Ratio Lower Upper

104 100

78 47.5 35.1 65.3





#56

Isopropylbenzene

Concen: 48.039 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

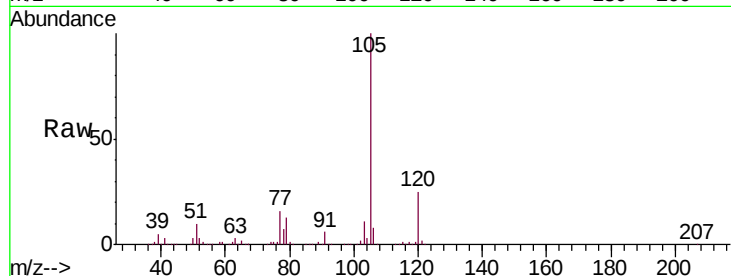
Tgt Ion:105 Resp: 977602

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

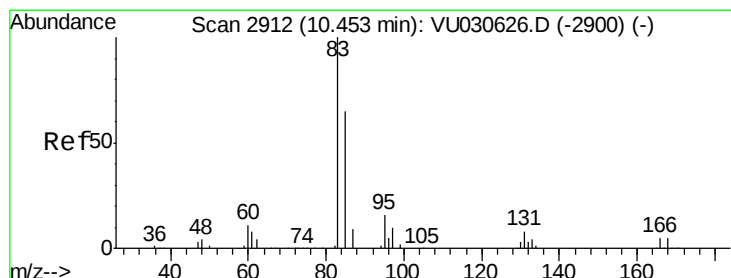
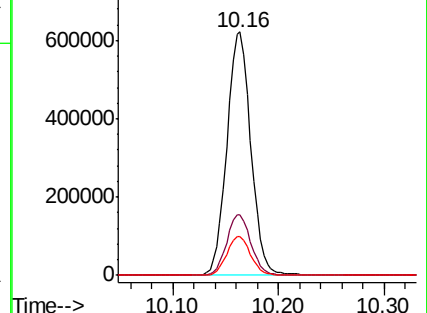
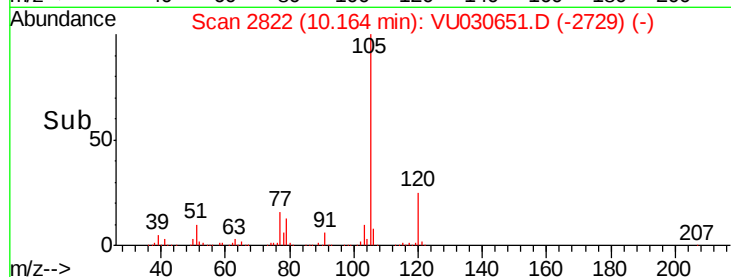
77 16.0 13.2 19.8



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: 46.456 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

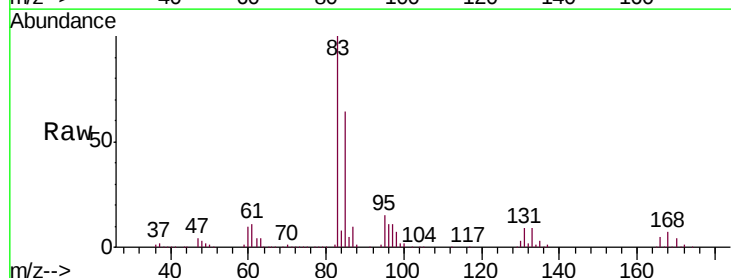
Tgt Ion: 83 Resp: 398353

Ion Ratio Lower Upper

83 100

85 63.6 44.3 82.3

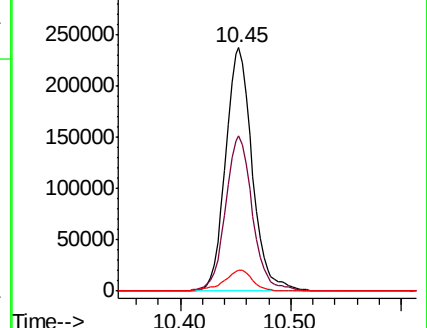
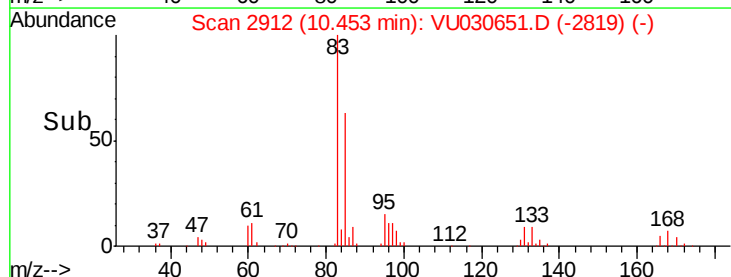
131 8.8 6.7 10.1

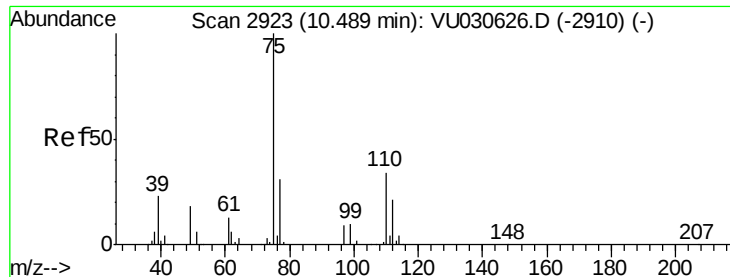


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.223 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

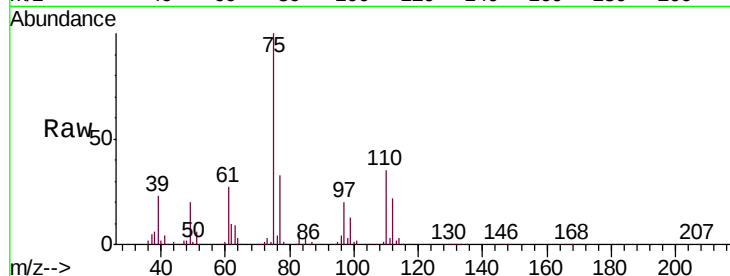
VSTD05045

Tgt Ion: 75 Resp: 316508

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU030626.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU030626.D (-2910) (-)

10.49

200000

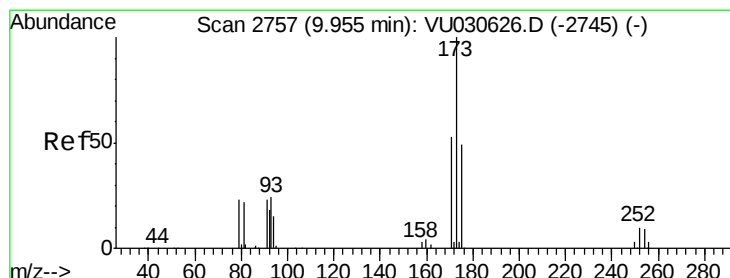
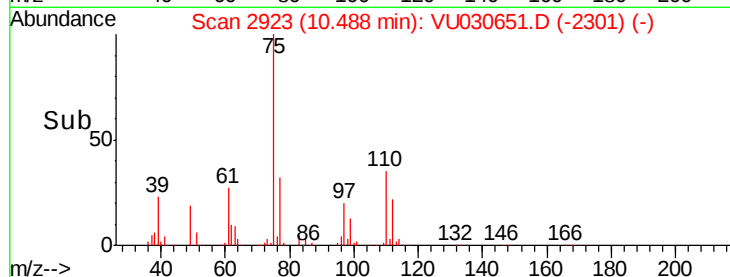
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 47.614 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

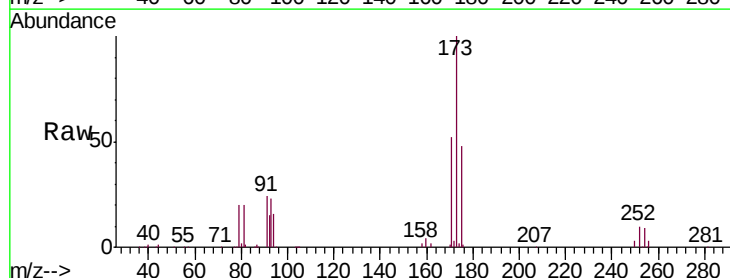
Tgt Ion: 173 Resp: 168877

Ion Ratio Lower Upper

173 100

175 48.0 38.5 57.7

254 8.5 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): VU030626.D (-2745) (-)

Ion 175.00 (174.70 to 175.70): VU030626.D (-2745) (-)

Ion 254.00 (253.70 to 254.70): VU030626.D (-2745) (-)

9.95

120000

100000

80000

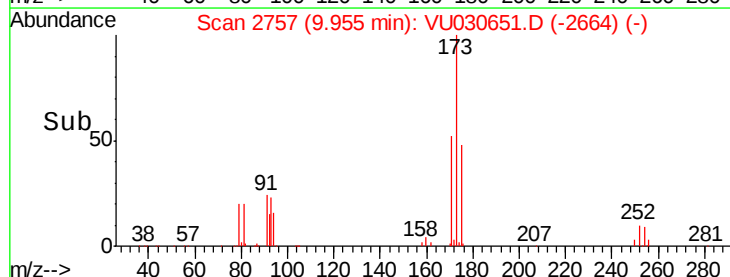
60000

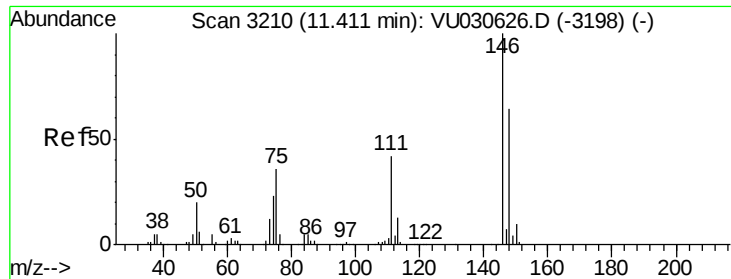
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.151 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

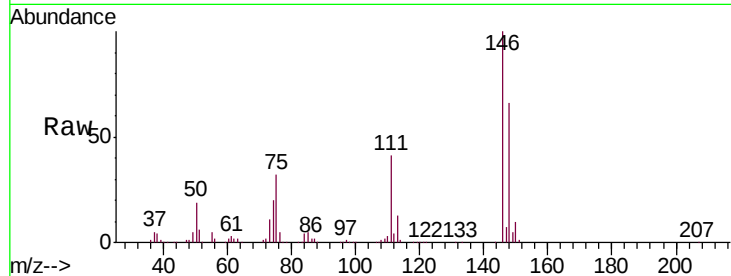
Tgt Ion:146 Resp: 420065

Ion Ratio Lower Upper

146 100

111 41.2 29.2 54.2

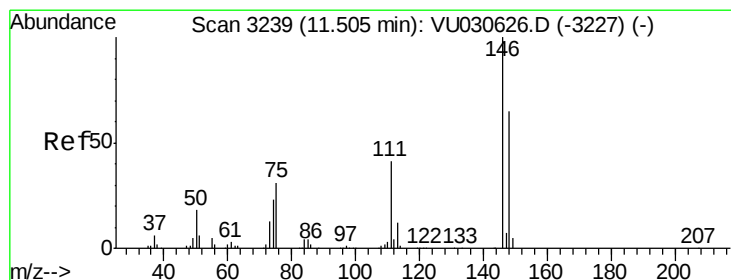
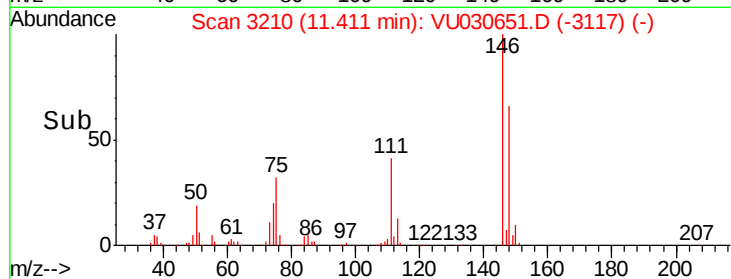
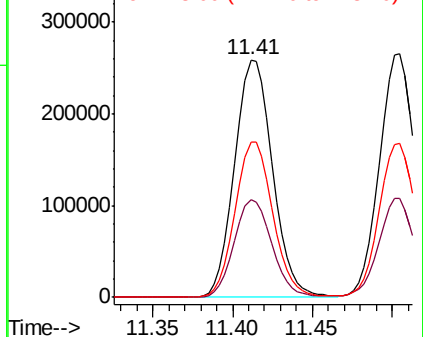
148 65.6 44.4 82.4



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: 47.642 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

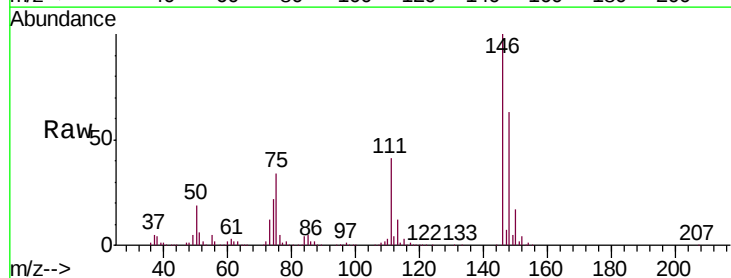
Tgt Ion:146 Resp: 427872

Ion Ratio Lower Upper

146 100

111 40.5 28.7 53.3

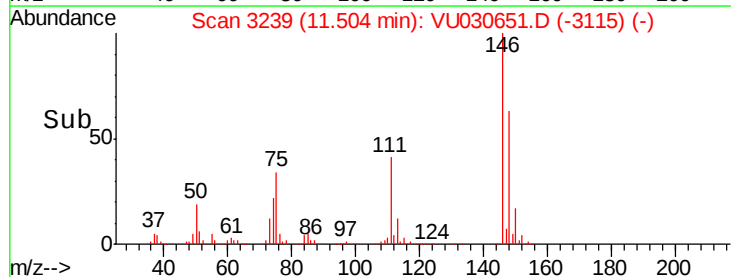
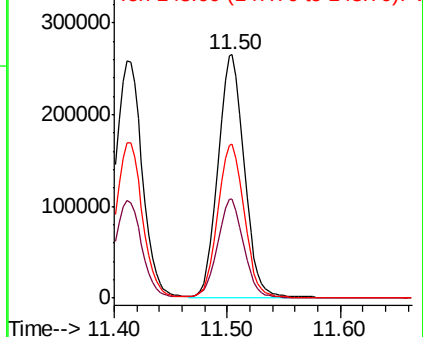
148 63.0 44.3 82.3

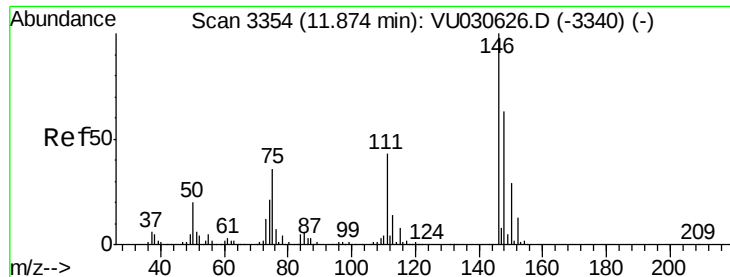


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

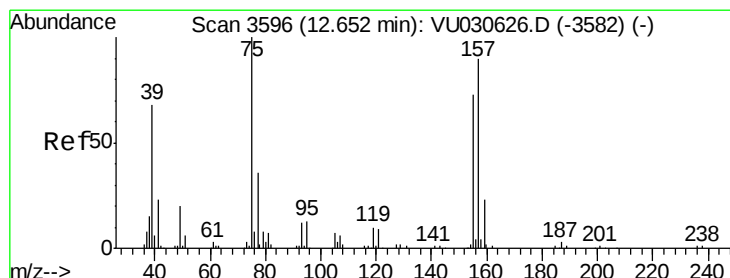
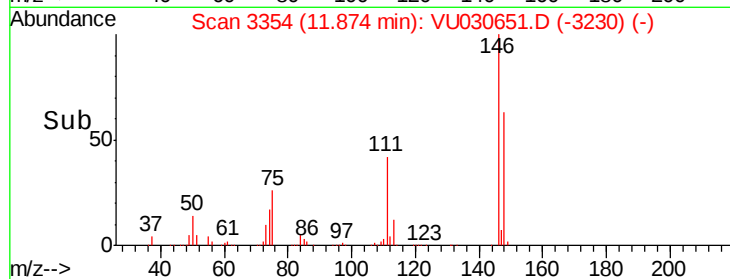
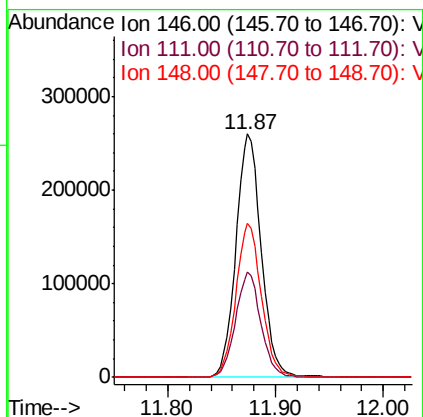
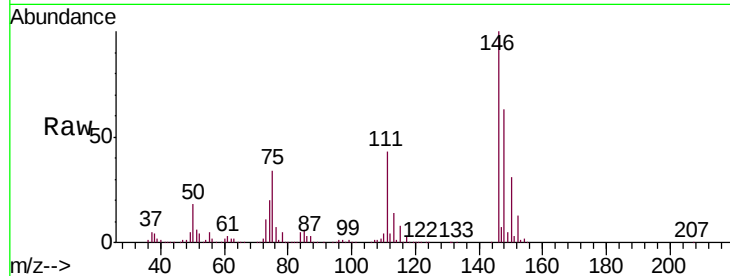




#65
 1,2-Dichlorobenzene
 Concen: 48.363 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

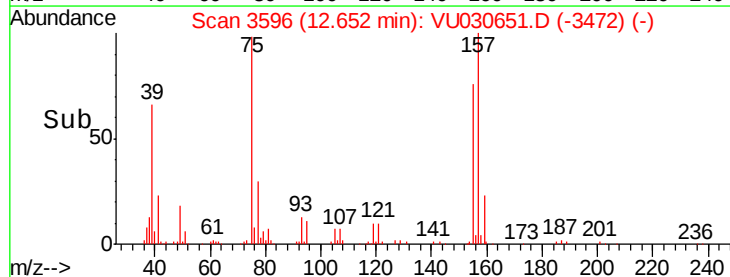
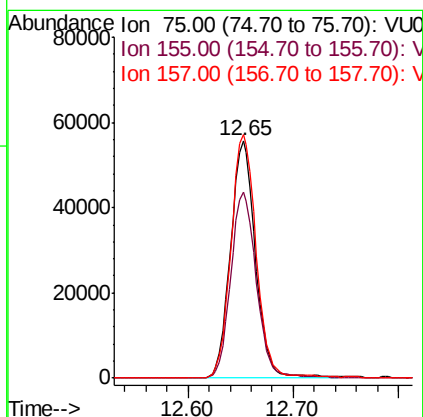
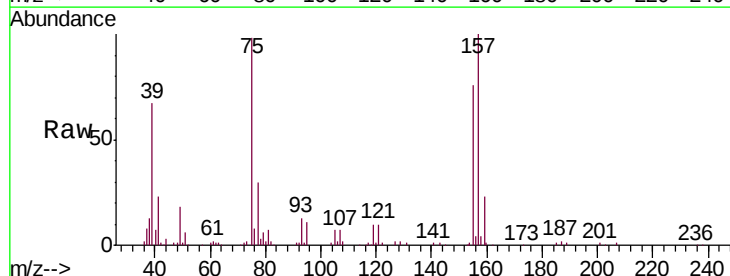
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

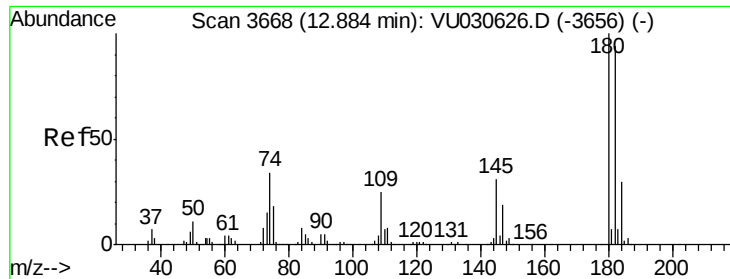
Tgt Ion: 146 Resp: 426623
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.9 52.3
 148 63.3 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.418 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

Tgt Ion: 75 Resp: 91173
 Ion Ratio Lower Upper
 75 100
 155 78.2 61.8 92.6
 157 102.5 80.2 120.4

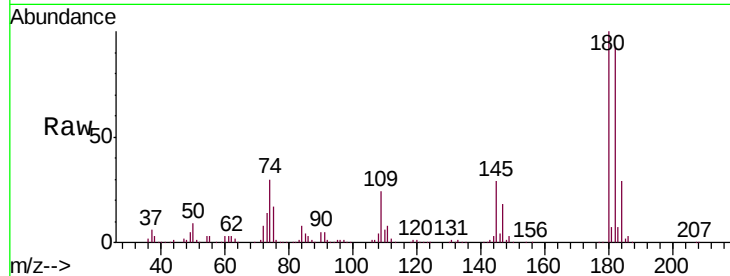




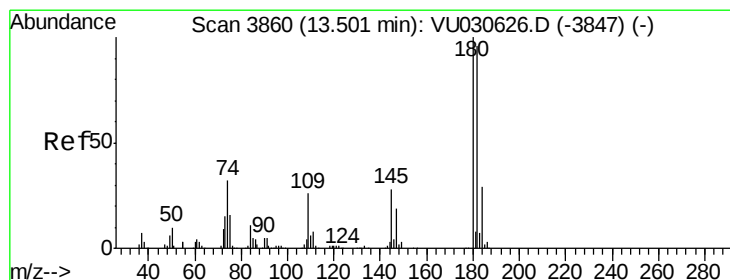
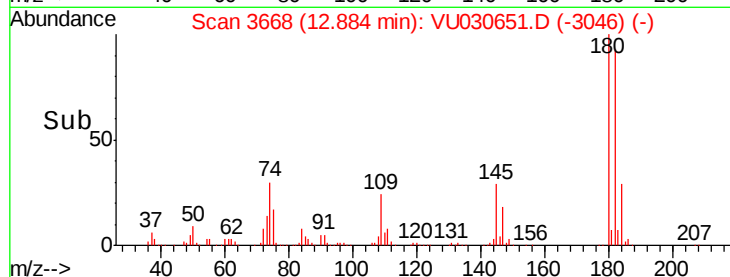
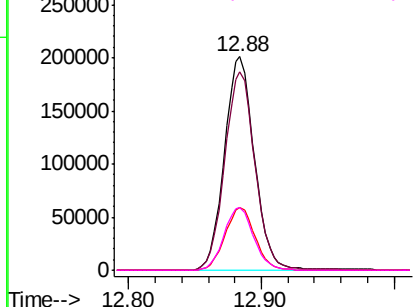
#67
 1,3,5-Trichlorobenzene
 Concen: 48.278 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion:180 Resp: 315301
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.9 113.9
 184 29.4 24.1 36.1
 145 29.3 23.8 35.8

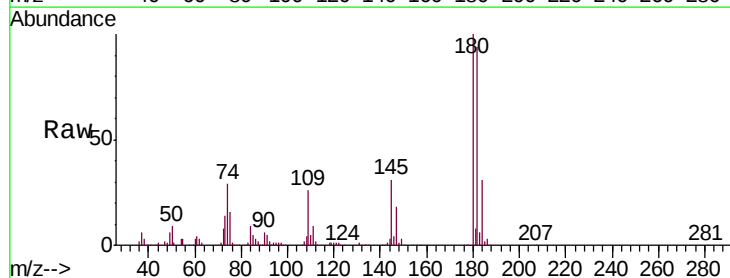


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

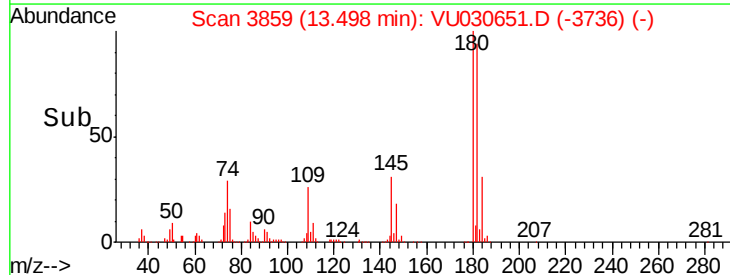
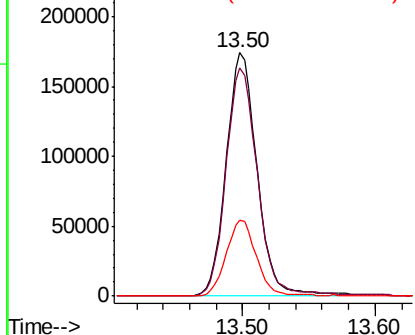


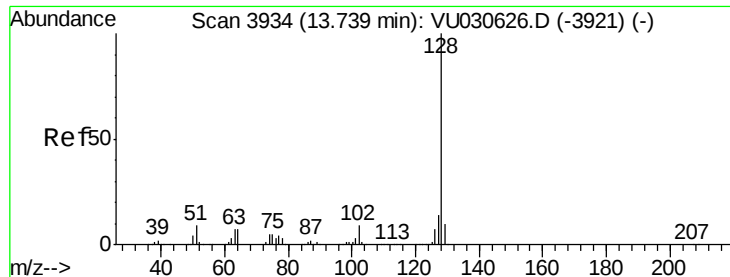
#68
 1,2,4-trichlorobenzene
 Concen: 49.651 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030651.D
 Acq: 04 Apr 2019 00:48

Tgt Ion:180 Resp: 281746
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.1 114.1
 145 30.6 24.5 36.7



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: 48.508 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

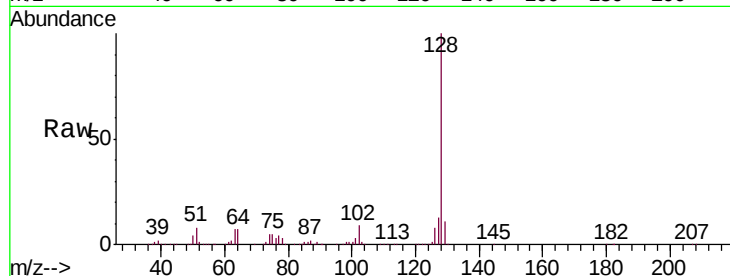
Tgt Ion:128 Resp: 978782

Ion Ratio Lower Upper

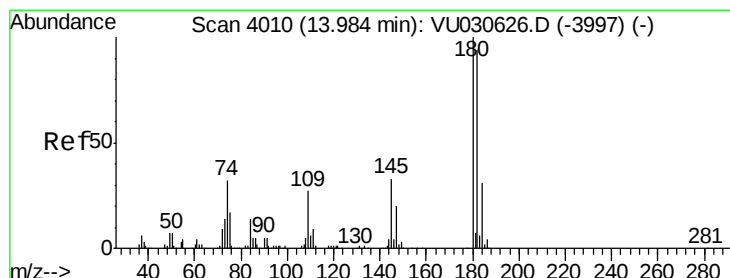
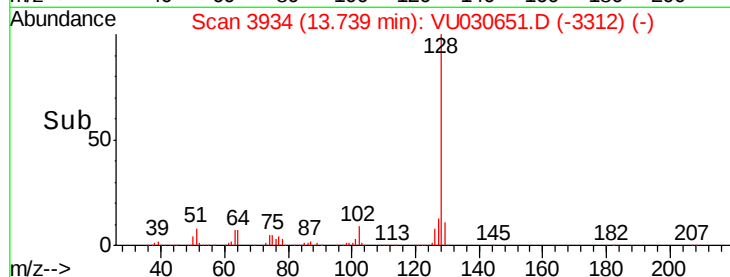
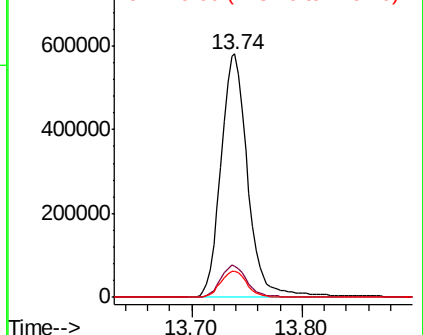
128 100

127 13.0 10.4 15.6

129 10.8 8.4 12.6



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: 48.841 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030651.D

Acq: 04 Apr 2019 00:48

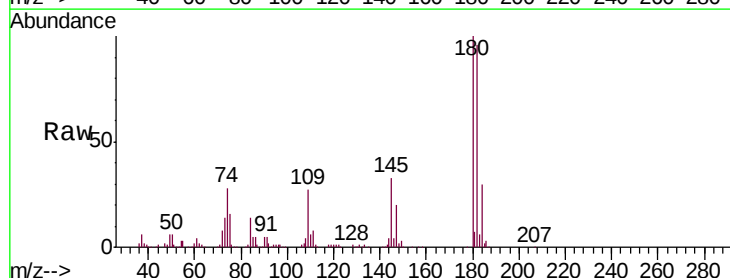
Tgt Ion:180 Resp: 292663

Ion Ratio Lower Upper

180 100

182 95.9 77.4 116.2

145 32.7 25.9 38.9



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

