

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020119\
 Data File : VU029331.D
 Acq On : 01 Feb 2019 12:55
 Operator : JC/SP
 Sample : VSTD02047
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02047

Quant Time: Feb 01 23:07:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR020119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Feb 01 23:02:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	64857	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	66412	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	38012	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	106074	20.29	ug/L	0.00
7) Chloroethane-d5	1.67	69	107772	21.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	289374	20.62	ug/L	0.00
20) 2-Butanone-d5	4.19	46	336807	205.09	ug/L	0.00
24) Chloroform-d	4.64	84	247168	20.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	151449	20.33	ug/L	0.00
32) Benzene-d6	5.34	84	430261	21.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	130508	20.86	ug/L	0.00
41) Toluene-d8	7.56	98	410605	21.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	67033	22.75	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	299867	237.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112008	20.75	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	168778	20.76	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	167238	19.501 ug/L	99
3) Chloromethane	1.32	50	126154	19.729 ug/L	98
5) Vinyl chloride	1.40	62	134258	19.755 ug/L	99
6) Bromomethane	1.62	94	85597	19.022 ug/L	99
8) Chloroethane	1.69	64	93800	18.393 ug/L	98
9) Trichlorofluoromethane	1.88	101	245388	19.607 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	113245	19.147 ug/L	98
12) 1,1-Dichloroethene	2.28	96	100940	20.055 ug/L	93
13) Acetone	2.32	43	266284	175.730 ug/L	100
14) Carbon disulfide	2.47	76	366772	19.330 ug/L	98
15) Methyl Acetate	2.62	43	66649	18.673 ug/L	99
16) Methylene chloride	2.70	84	110502	18.206 ug/L	96
17) Methyl tert-butyl Ether	3.00	73	312496	19.486 ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	105834	18.801 ug/L	98
19) 1,1-Dichloroethane	3.44	63	241799	19.934 ug/L	99
21) 2-Butanone	4.27	43	323731	195.154 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	112433	20.648 ug/L	100
23) Bromochloromethane	4.54	128	47829	19.638 ug/L	98
25) Chloroform	4.67	83	222008	19.356 ug/L	99
27) 1,2-Dichloroethane	5.40	62	168991	19.367 ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	210165	19.433 ug/L	99
30) Cyclohexane	4.99	56	182471	21.446 ug/L	98
31) Carbon tetrachloride	5.13	117	189337	19.947 ug/L	98
33) Benzene	5.39	78	428778	20.036 ug/L	100
34) Trichloroethene	6.18	95	115123	19.835 ug/L	96
35) Methylcyclohexane	6.41	83	189087	22.185 ug/L	97
37) 1,2-Dichloropropane	6.43	63	113187	19.542 ug/L	99
38) Bromodichloromethane	6.75	83	164082	19.599 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	183630	21.772 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	807230	201.611 ug/L	98

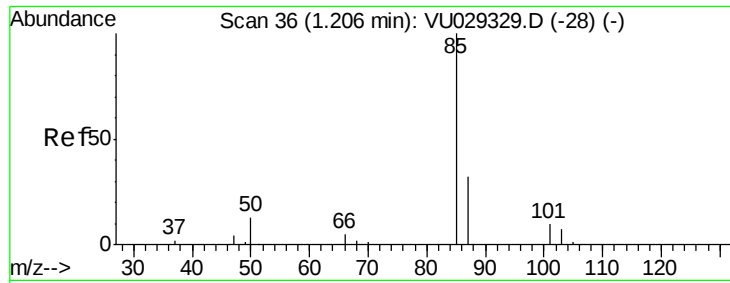
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020119\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	472278	20.901	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	164543	21.552	ug/L	95
45) 1,1,2-Trichloroethane	8.06	97	77253	19.225	ug/L	97
47) Tetrachloroethene	8.22	164	95761	19.936	ug/L	98
48) 2-Hexanone	8.36	43	593875	197.966	ug/L	100
49) Dibromochloromethane	8.48	129	107078	19.899	ug/L	97
50) 1,2-Dibromoethane	8.58	107	75695	19.890	ug/L	98
51) Chlorobenzene	9.12	112	295924	20.178	ug/L	99
52) Ethylbenzene	9.25	91	548505	21.871	ug/L	99
53) m,p-xylene	9.37	106	206246	21.847	ug/L	97
54) o-xylene	9.78	106	199960	22.117	ug/L	99
55) Styrene	9.79	104	348876	22.454	ug/L	97
56) Isopropylbenzene	10.16	105	554270	22.534	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	101509	19.567	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	78408	19.000	ug/L	95
61) Bromoform	9.95	173	64012	18.324	ug/L	96
62) 1,3-Dichlorobenzene	11.41	146	256173	19.689	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	261346	19.250	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	248924	19.576	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	21044	19.006	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	221972	20.283	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	196570	21.027	ug/L	98
69) Naphthalene	13.74	128	333640	22.121	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	179945	19.652	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 19.501 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

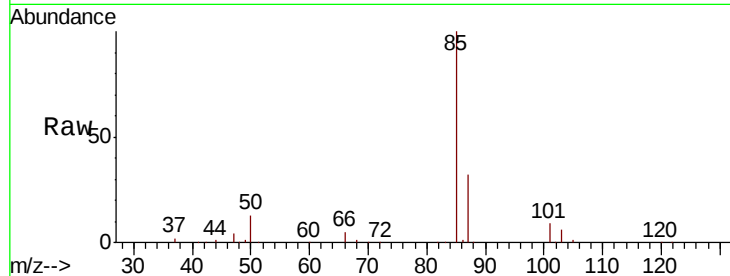
VSTD02047

Tgt Ion: 85 Resp: 167238

Ion Ratio Lower Upper

85 100

87 32.2 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

200000

150000

100000

50000

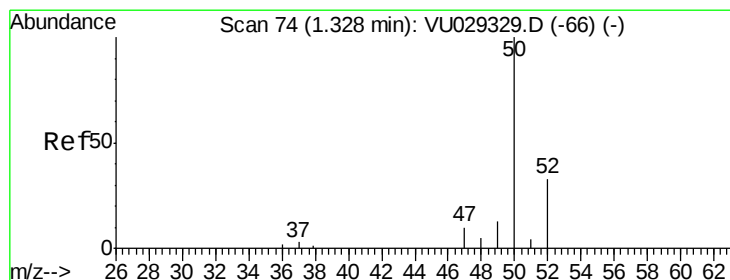
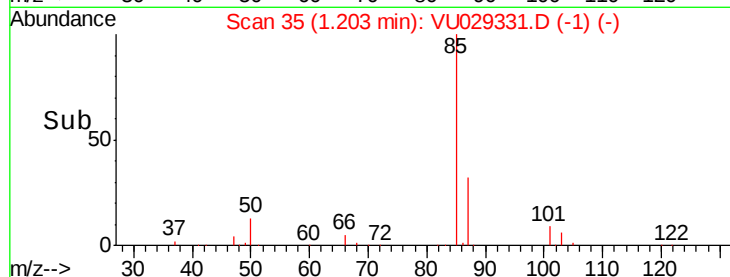
0

1.15

1.20

1.25

Time-->



#3

Chloromethane

Concen: 19.729 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.01 min

Lab File: VU029331.D

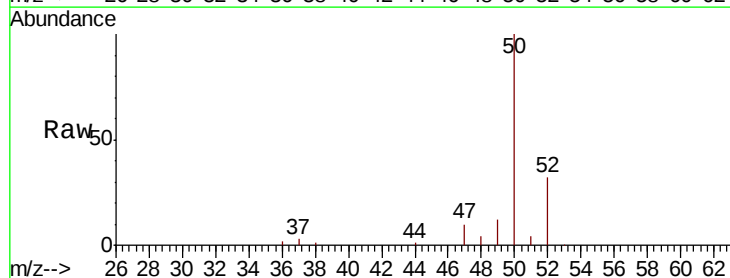
Acq: 01 Feb 2019 12:55

Tgt Ion: 50 Resp: 126154

Ion Ratio Lower Upper

50 100

52 32.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

100000

50000

0

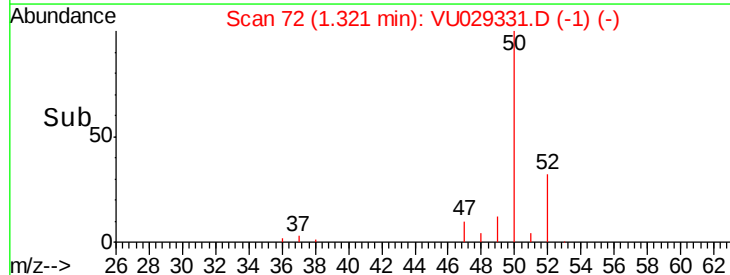
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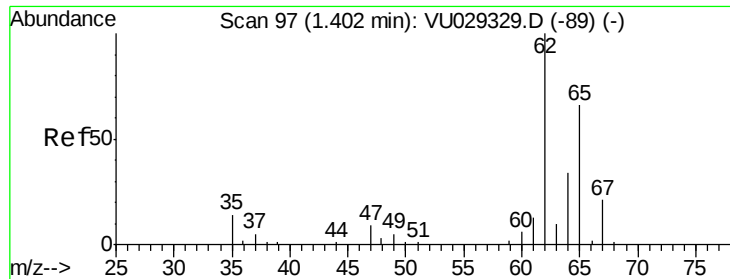
1.32

1.35

1.40

Time-->





#5

Vinyl chloride

Concen: 19.755 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

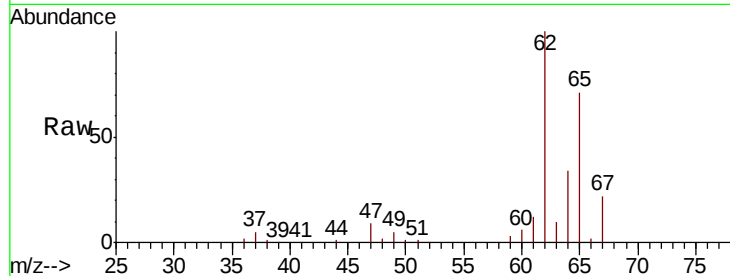
VSTD02047

Tgt Ion: 62 Resp: 134258

Ion Ratio Lower Upper

62 100

64 34.4 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

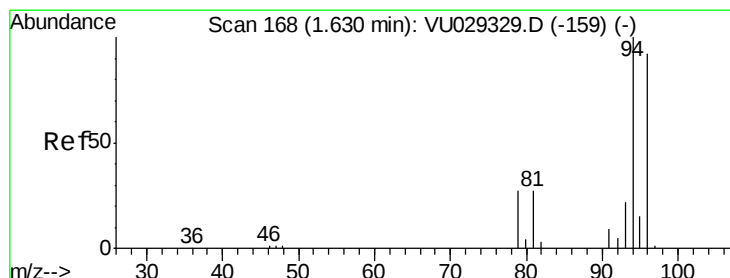
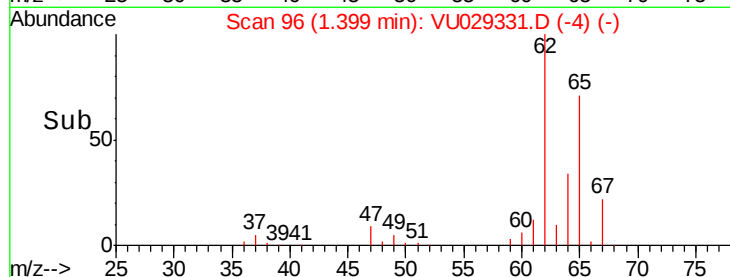
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 19.022 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU029331.D

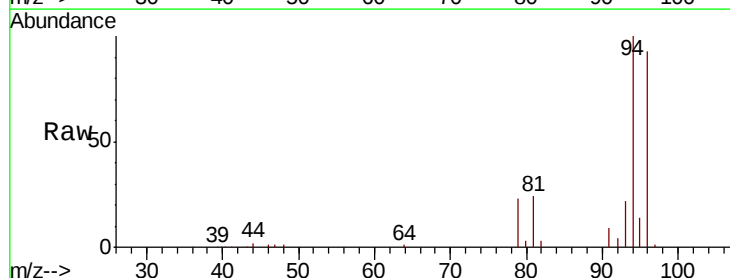
Acq: 01 Feb 2019 12:55

Tgt Ion: 94 Resp: 85597

Ion Ratio Lower Upper

94 100

96 93.4 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

80000

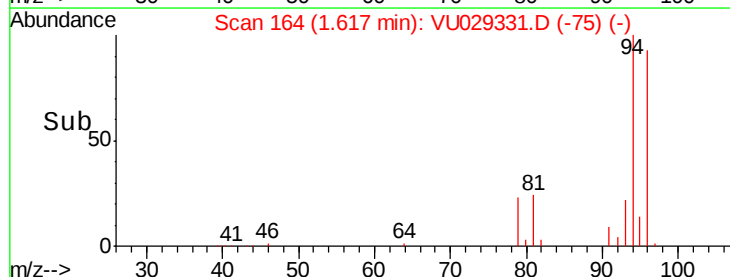
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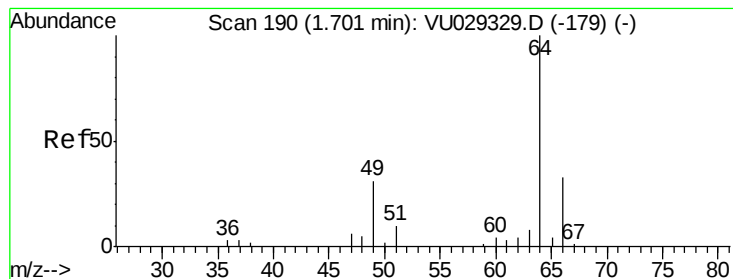
40000

20000

0

Time-->





#8

Chloroethane

Concen: 18.393 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.01 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

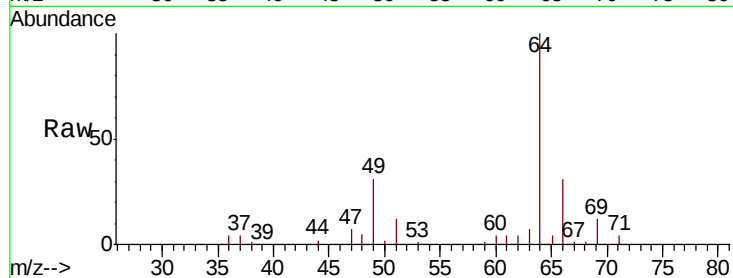
VSTD02047

Tgt Ion: 64 Resp: 93800

Ion Ratio Lower Upper

64 100

66 31.2 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VU029331.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU029331.D (-179) (-)

1.69

80000

60000

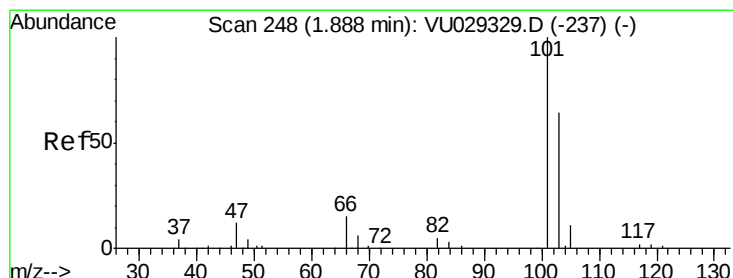
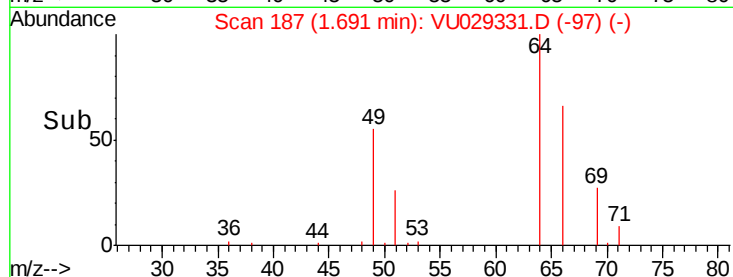
40000

20000

0

1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 19.607 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.01 min

Lab File: VU029331.D

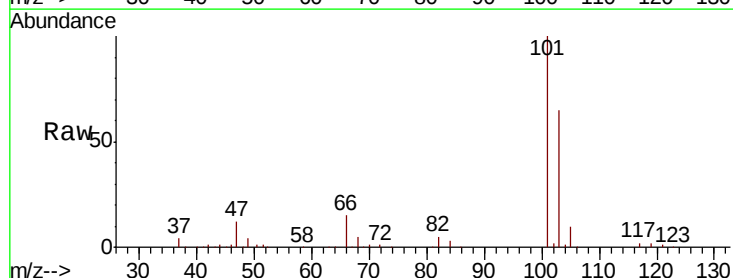
Acq: 01 Feb 2019 12:55

Tgt Ion: 101 Resp: 245388

Ion Ratio Lower Upper

101 100

103 64.7 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU029331.D (-155) (-)

Ion 103.00 (102.70 to 103.70): VU029331.D (-155) (-)

1.88

200000

150000

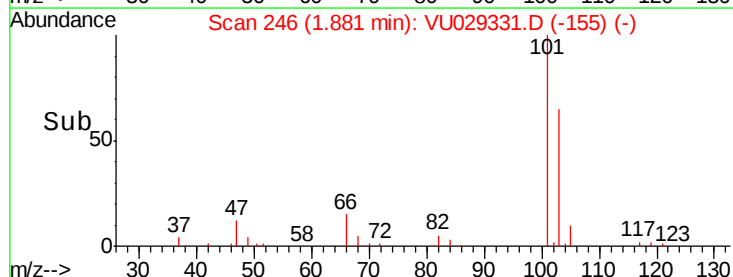
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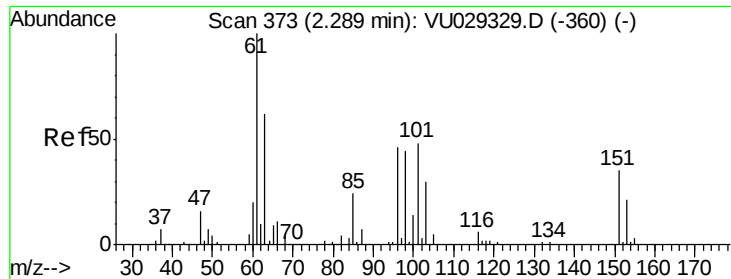
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 19.147 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.01 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

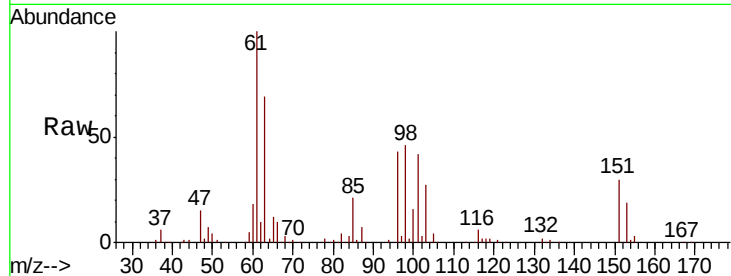
Tgt Ion:101 Resp: 113245

Ion Ratio Lower Upper

101 100

85 50.9 39.6 59.4

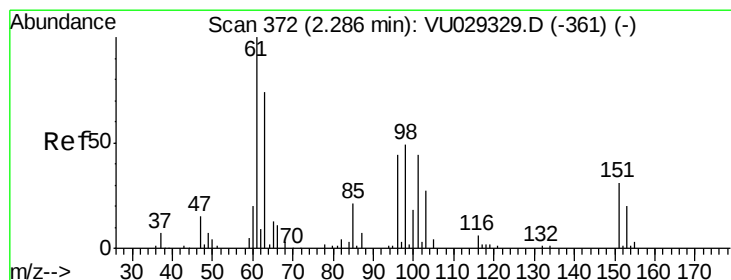
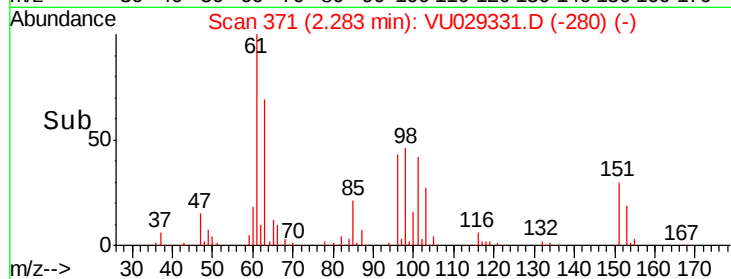
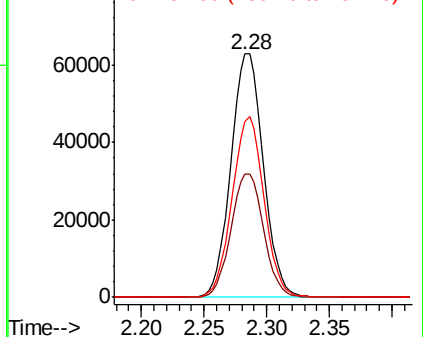
151 72.8 57.2 85.8



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: 20.055 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

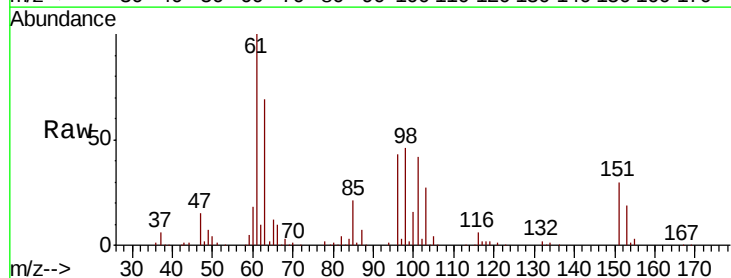
Tgt Ion: 96 Resp: 100940

Ion Ratio Lower Upper

96 100

61 229.9 159.5 296.1

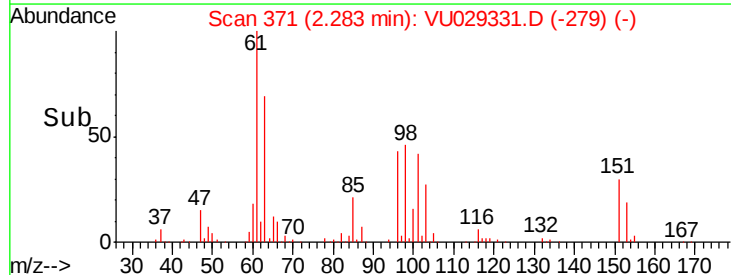
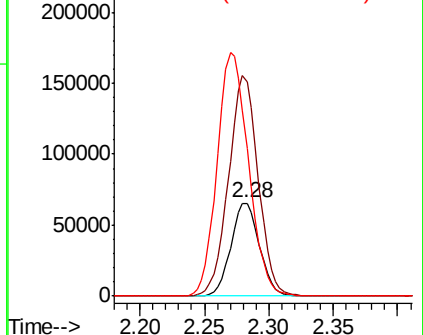
63 158.6 124.3 230.8

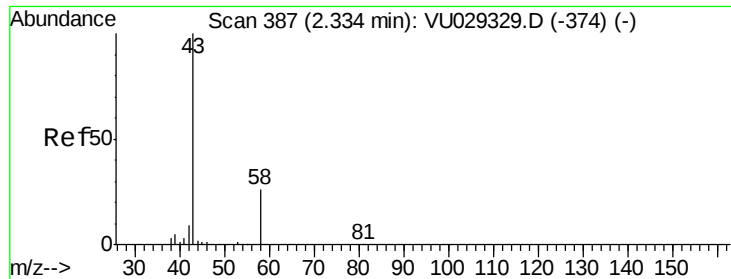


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 175.730 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

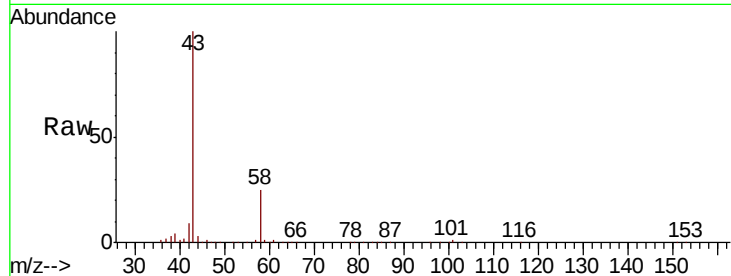
VSTD02047

Tgt Ion: 43 Resp: 266284

Ion Ratio Lower Upper

43 100

58 24.9 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.32

150000

100000

50000

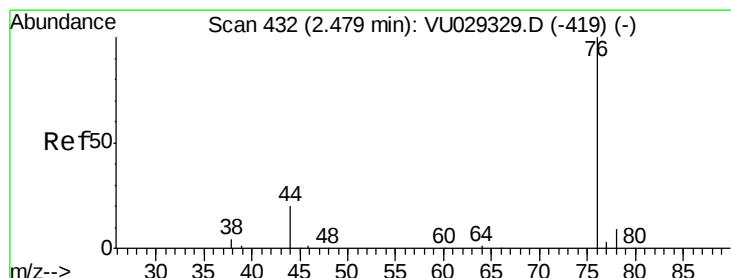
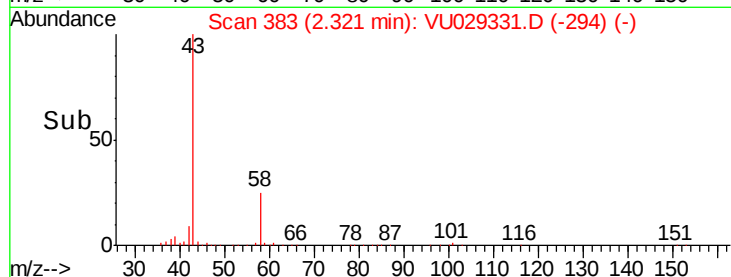
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Time-->

2.20

2.30

2.40



#14

Carbon disulfide

Concen: 19.330 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.01 min

Lab File: VU029331.D

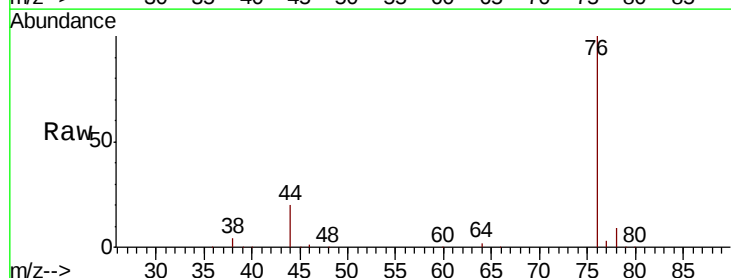
Acq: 01 Feb 2019 12:55

Tgt Ion: 76 Resp: 366772

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.47

250000

200000

150000

100000

50000

0

Time-->

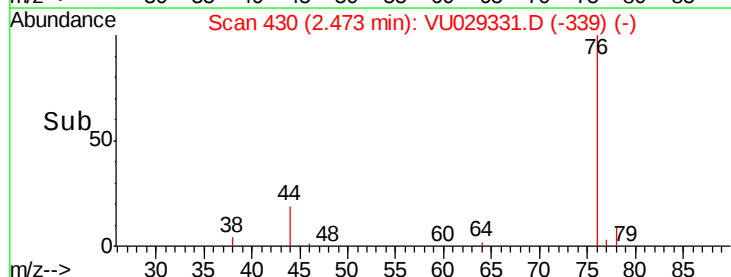
2.40

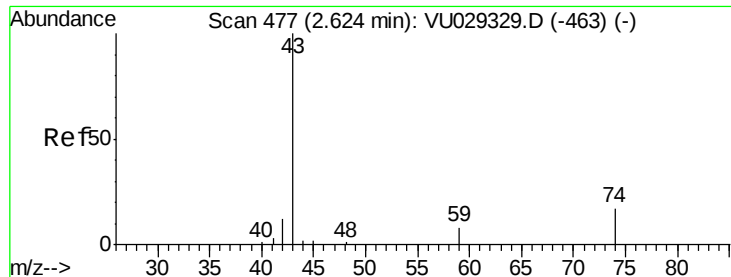
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2.50

2.55

2.60

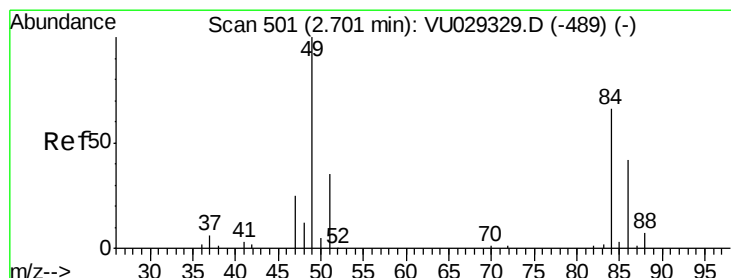
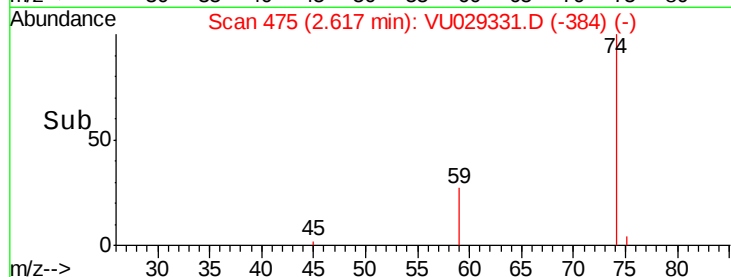
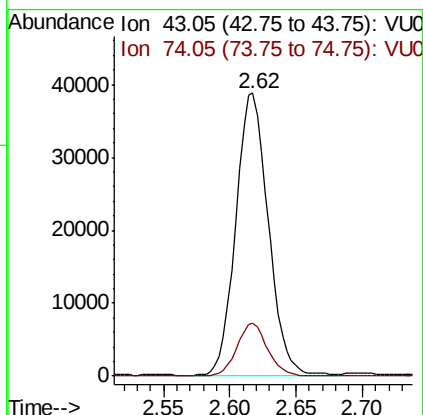
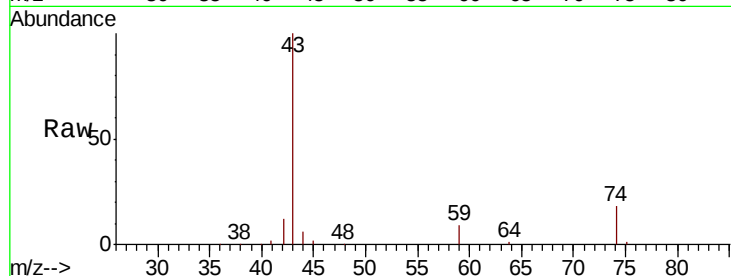




#15
Methyl Acetate
Concen: 18.673 ug/L
RT: 2.62 min Scan# 475
Delta R.T. -0.01 min
Lab File: VU029331.D
Acq: 01 Feb 2019 12:55

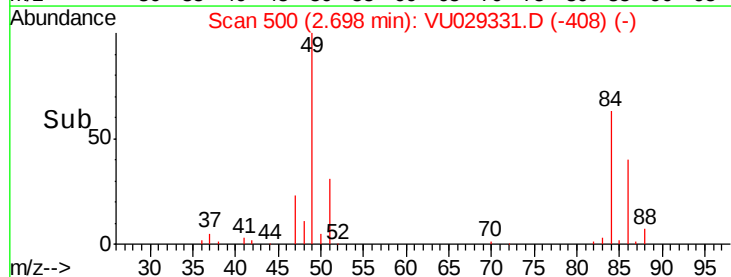
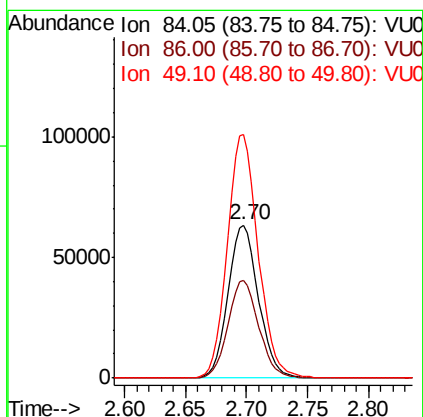
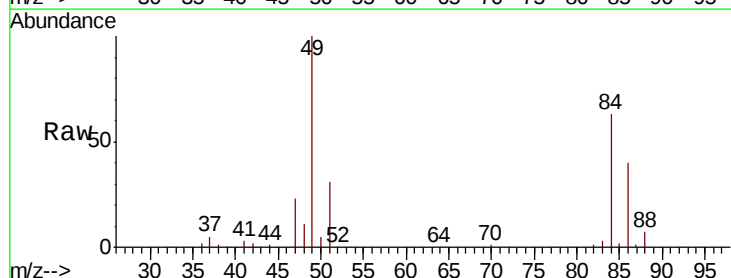
Instrument :
MSVOA_U
ClientSampleId :
VSTD02047

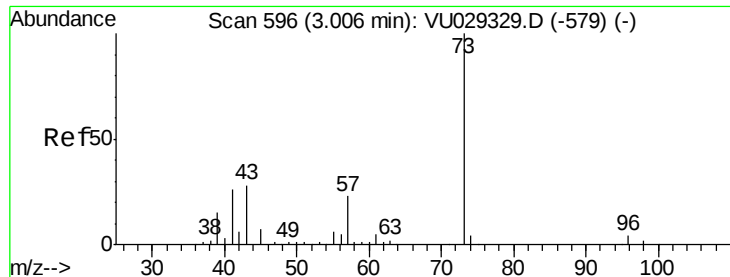
Tgt Ion: 43 Resp: 66649
Ion Ratio Lower Upper
43 100
74 17.4 14.2 21.4



#16
Methylene chloride
Concen: 18.206 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029331.D
Acq: 01 Feb 2019 12:55

Tgt Ion: 84 Resp: 110502
Ion Ratio Lower Upper
84 100
86 63.8 44.3 82.3
49 158.8 106.1 197.1



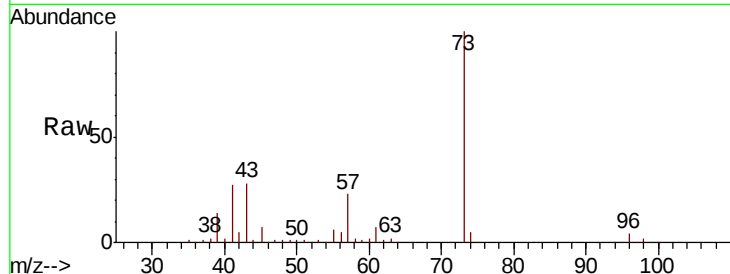


#17

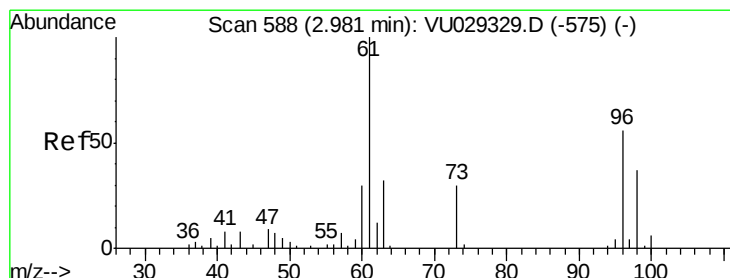
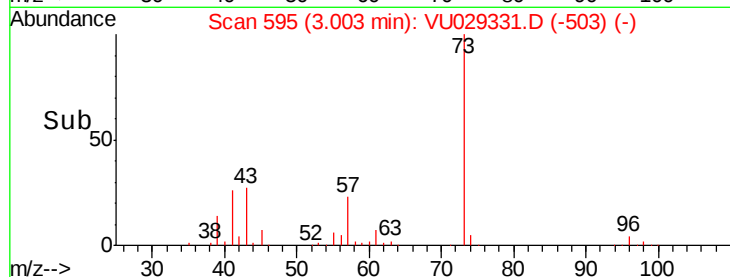
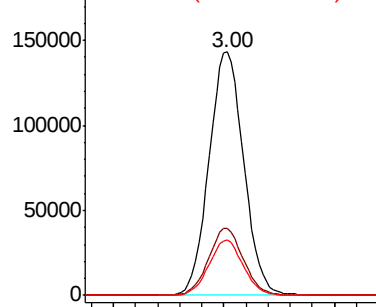
Methyl tert-butyl Ether
 Concen: 19.486 ug/L
 RT: 3.00 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02047

Tgt Ion: 73 Resp: 312496
 Ion Ratio Lower Upper
 73 100
 43 27.6 21.9 32.9
 57 22.5 18.2 27.2



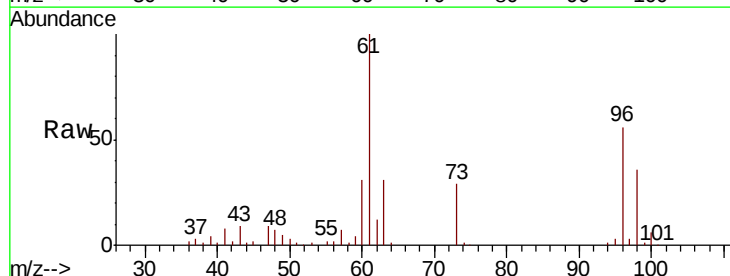
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



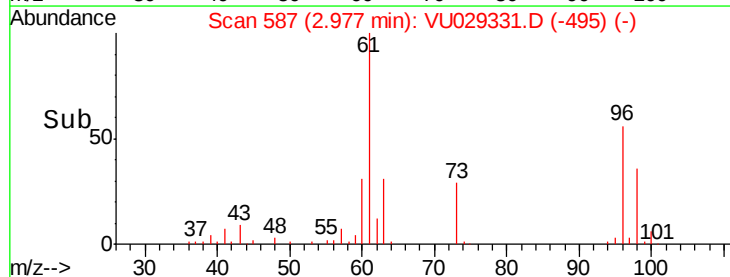
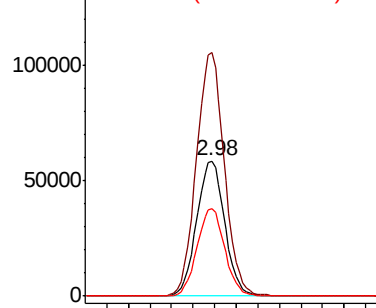
#18

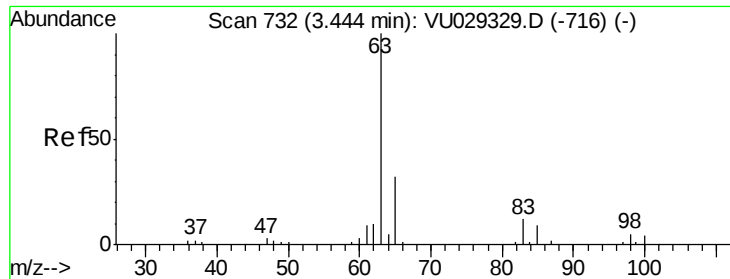
trans-1,2-Dichloroethene
 Concen: 18.801 ug/L
 RT: 2.98 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

Tgt Ion: 96 Resp: 105834
 Ion Ratio Lower Upper
 96 100
 61 180.1 124.3 230.9
 98 64.9 45.9 85.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

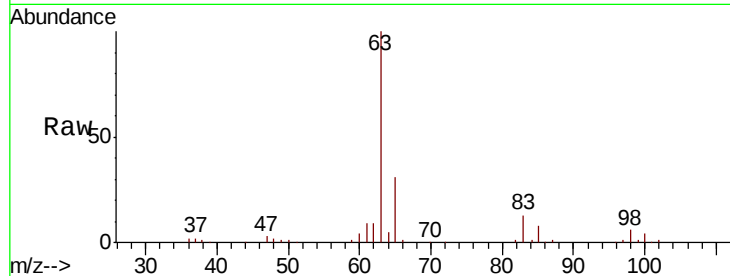




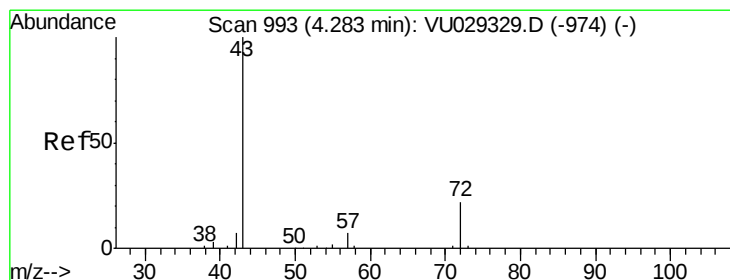
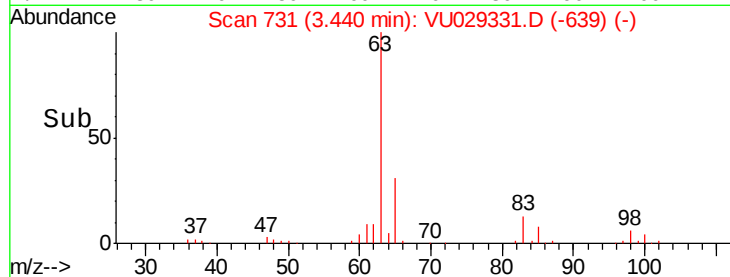
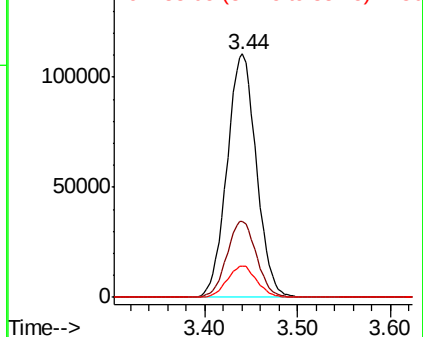
#19
 1,1-Dichloroethane
 Concen: 19.934 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD02047

Tgt Ion: 63 Resp: 241799
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.5 41.7
 83 13.0 8.7 16.1

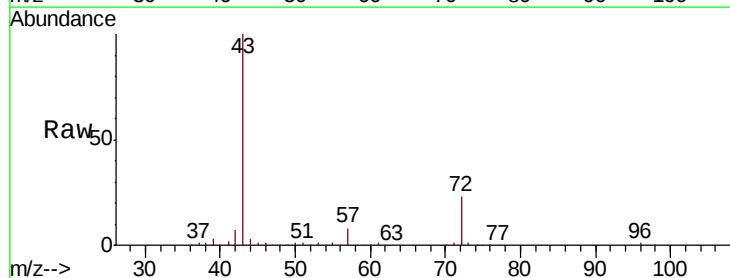


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

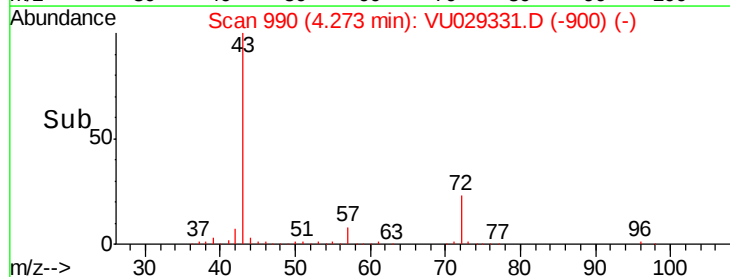
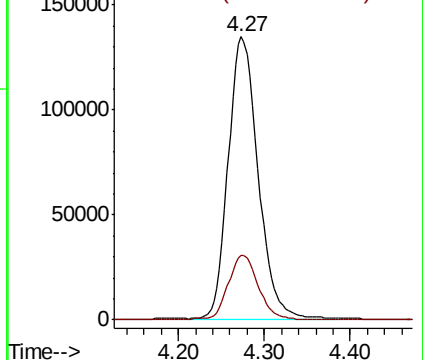


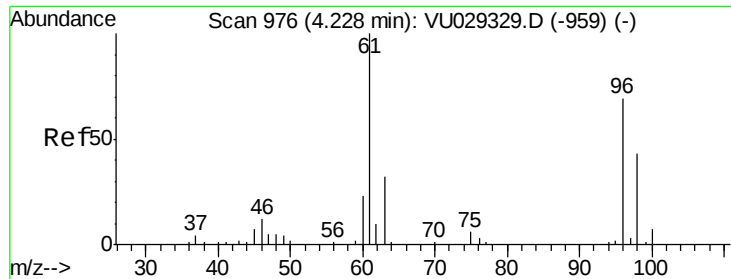
#21
 2-Butanone
 Concen: 195.154 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

Tgt Ion: 43 Resp: 323731
 Ion Ratio Lower Upper
 43 100
 72 23.5 11.8 35.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



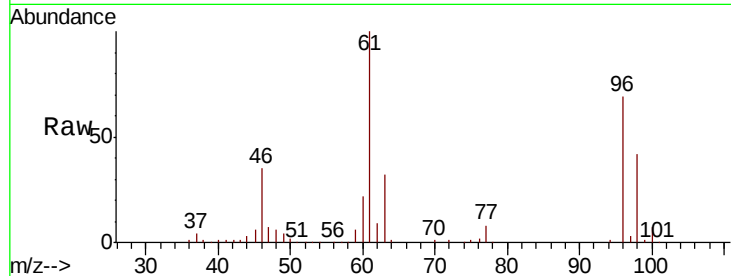


#22

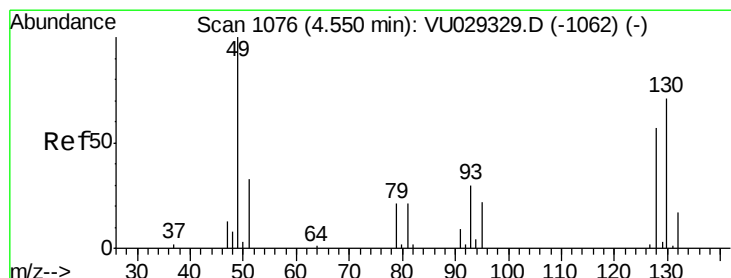
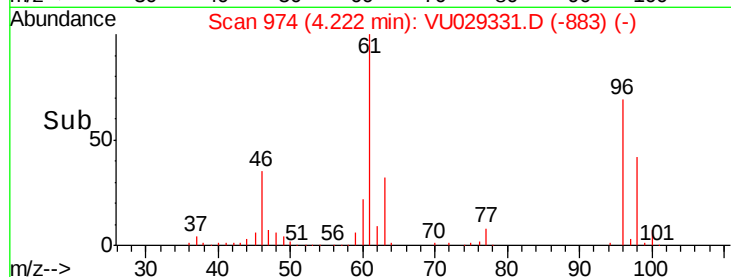
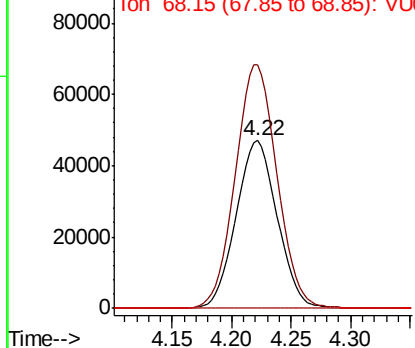
cis-1,2-Dichloroethene
 Concen: 20.648 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.01 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02047

Tgt Ion: 96 Resp: 112433
 Ion Ratio Lower Upper
 96 100
 61 145.3 101.4 188.2
 68 0.0 0.0 0.0



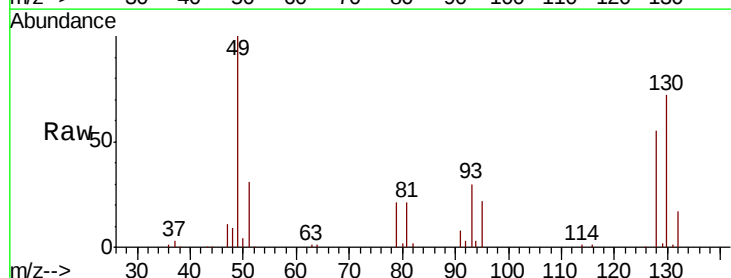
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



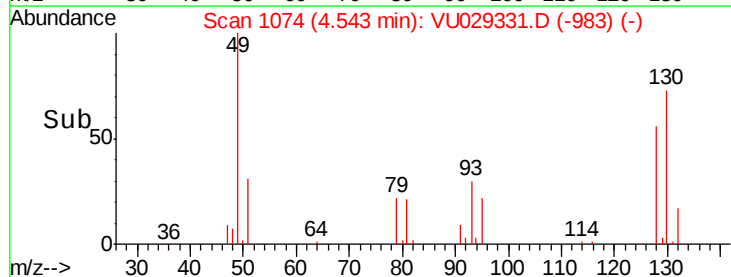
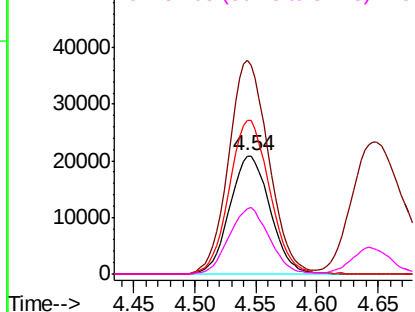
#23

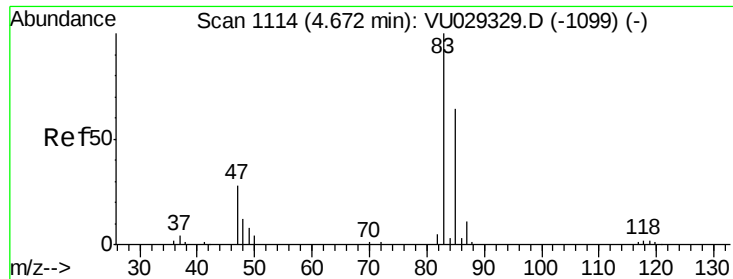
Bromochloromethane
 Concen: 19.638 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

Tgt Ion: 128 Resp: 47829
 Ion Ratio Lower Upper
 128 100
 49 180.6 125.2 232.6
 130 130.0 87.8 163.0
 51 55.7 46.4 69.6



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

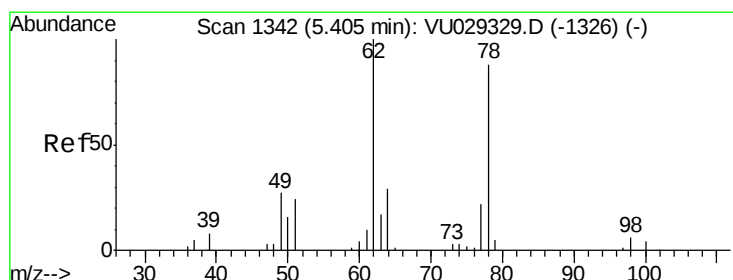
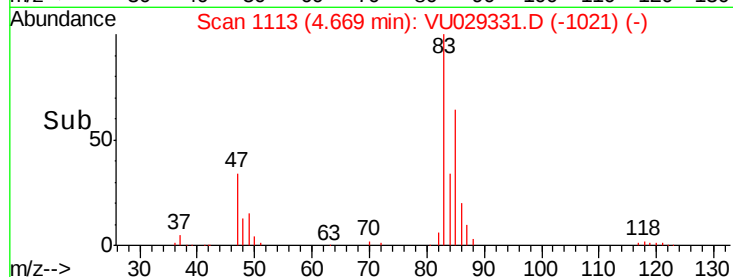
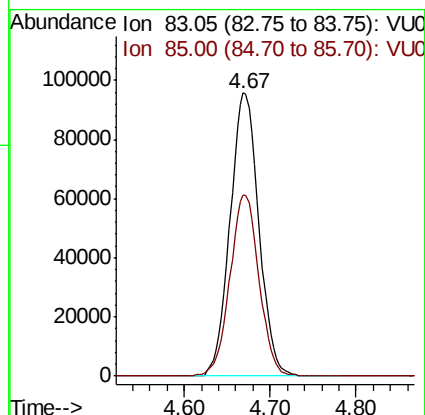
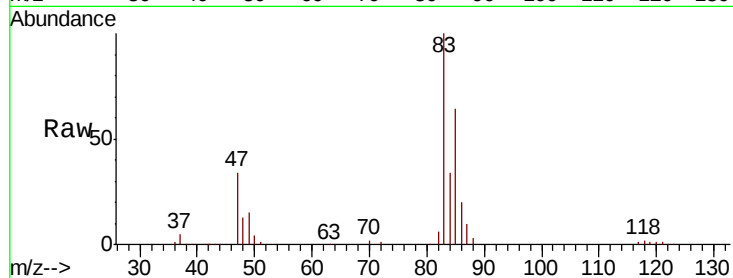




#25
Chloroform
Concen: 19.356 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029331.D
Acq: 01 Feb 2019 12:55

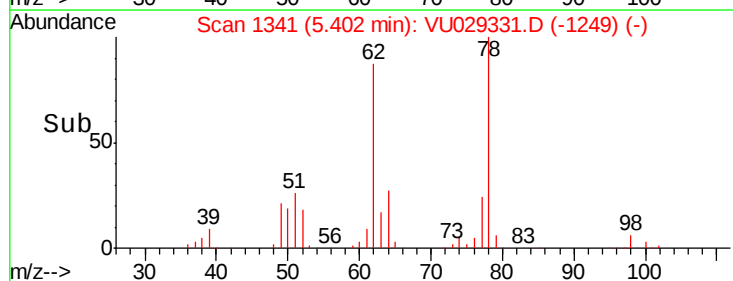
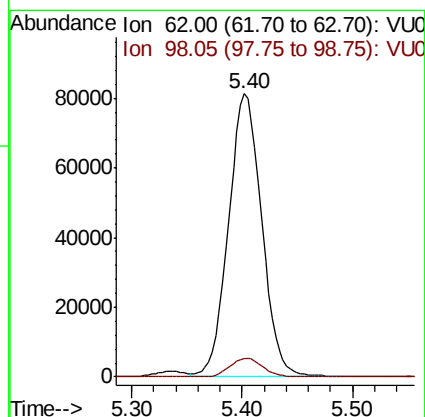
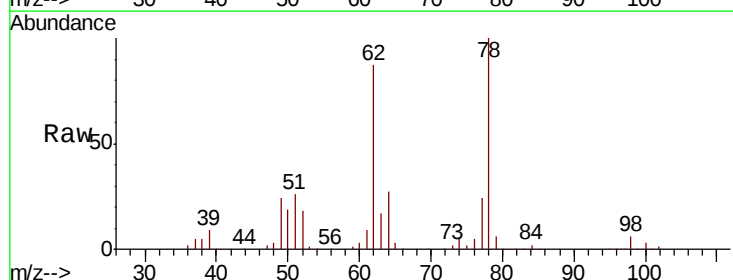
Instrument :
MSVOA_U
ClientSampleId :
VSTD02047

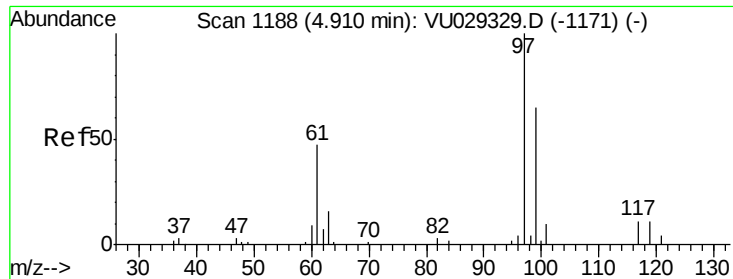
Tgt Ion: 83 Resp: 222008
Ion Ratio Lower Upper
83 100
85 64.1 45.6 84.6



#27
1,2-Dichloroethane
Concen: 19.367 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU029331.D
Acq: 01 Feb 2019 12:55

Tgt Ion: 62 Resp: 168991
Ion Ratio Lower Upper
62 100
98 6.6 4.9 7.3

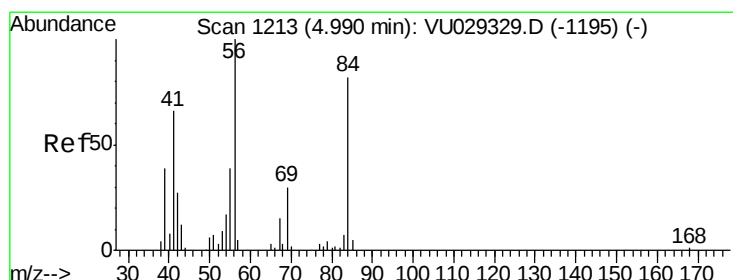
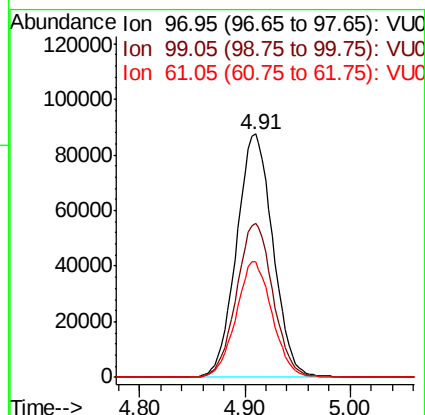
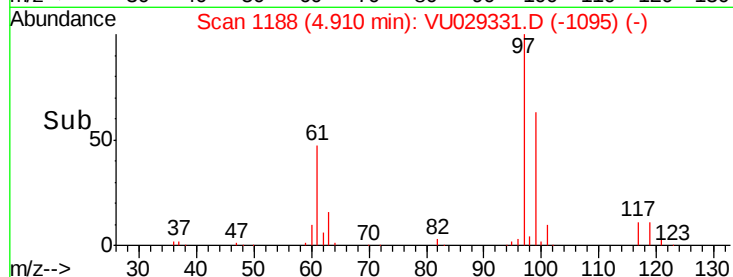
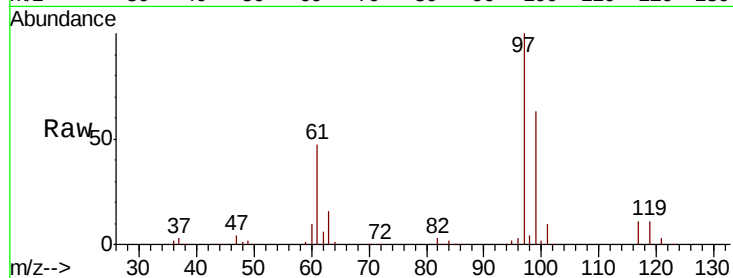




#29
 1,1,1-Trichloroethane
 Concen: 19.433 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

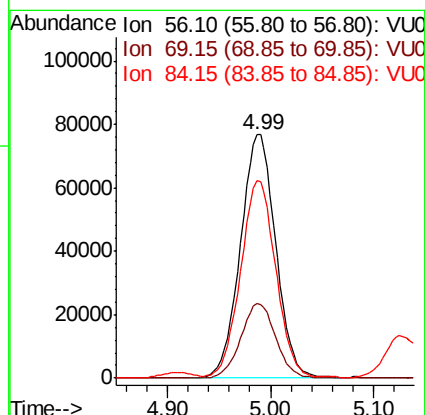
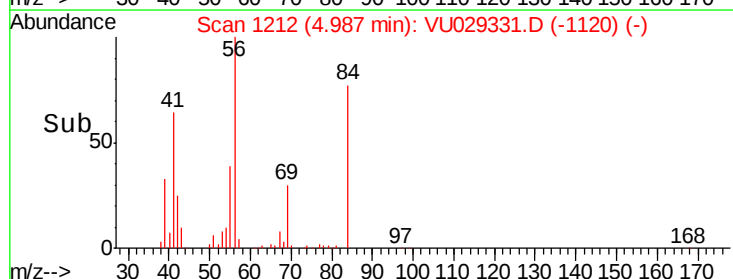
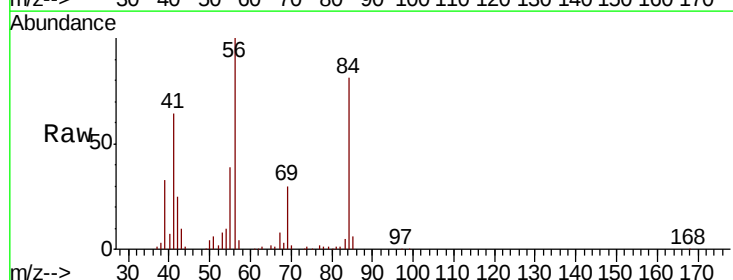
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02047

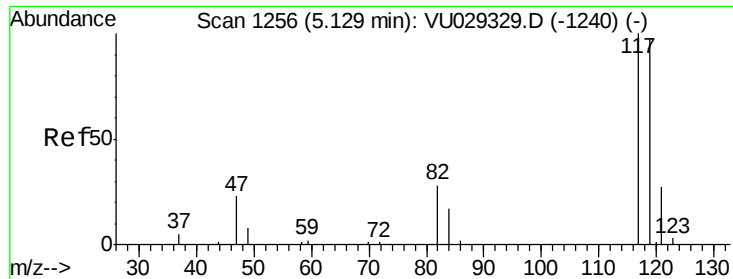
Tgt Ion: 97 Resp: 210165
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.6 77.4
 61 47.1 37.8 56.8



#30
 Cyclohexane
 Concen: 21.446 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

Tgt Ion: 56 Resp: 182471
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.1 36.1
 84 81.3 66.4 99.6





#31

Carbon tetrachloride

Concen: 19.947 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

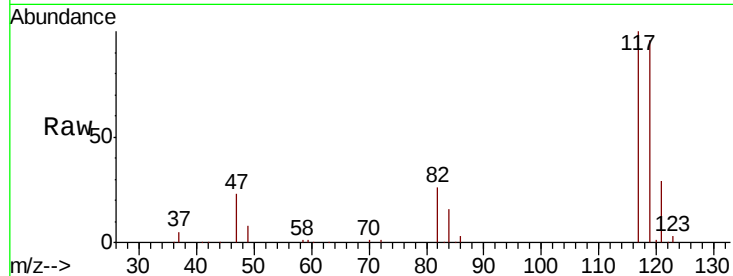
VSTD02047

Tgt Ion:117 Resp: 189337

Ion Ratio Lower Upper

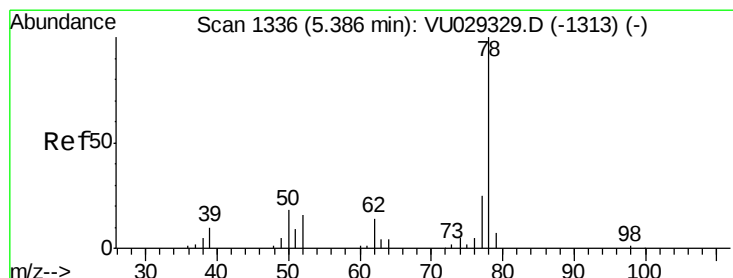
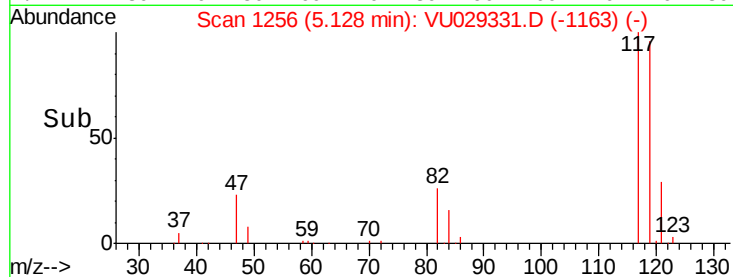
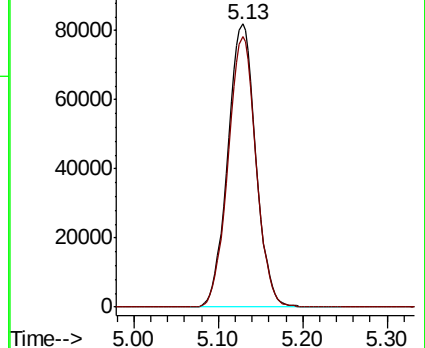
117 100

119 95.2 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 20.036 ug/L

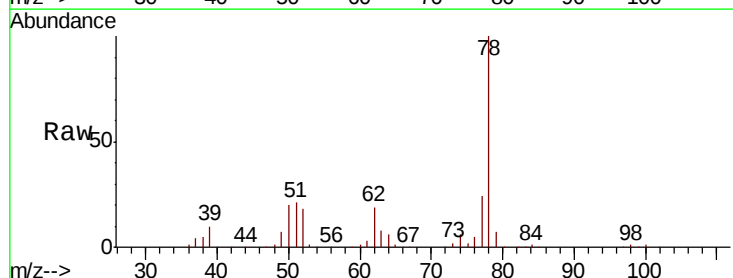
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

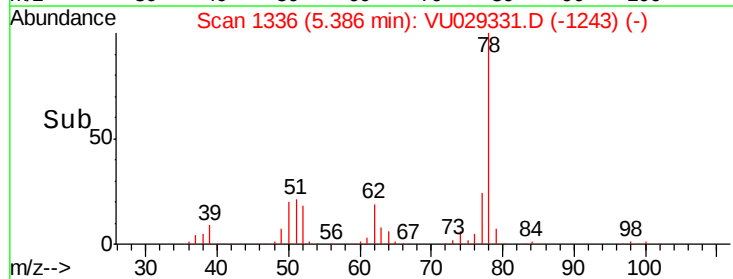
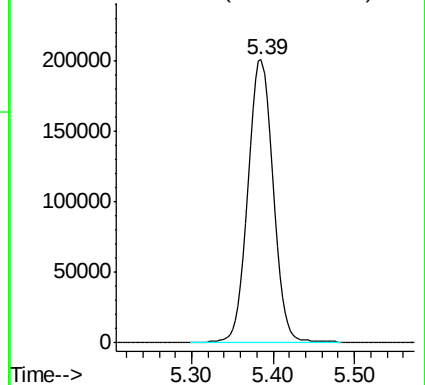
Lab File: VU029331.D

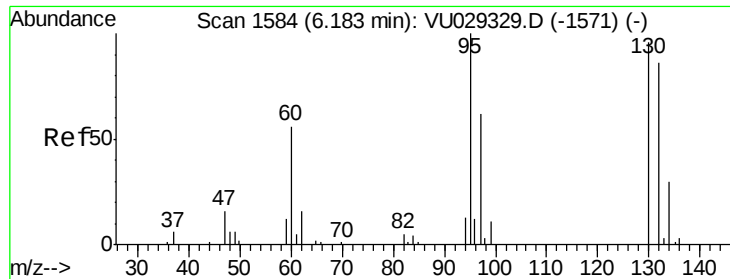
Acq: 01 Feb 2019 12:55

Tgt Ion: 78 Resp: 428778



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 19.835 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

Tgt Ion: 95 Resp: 115123

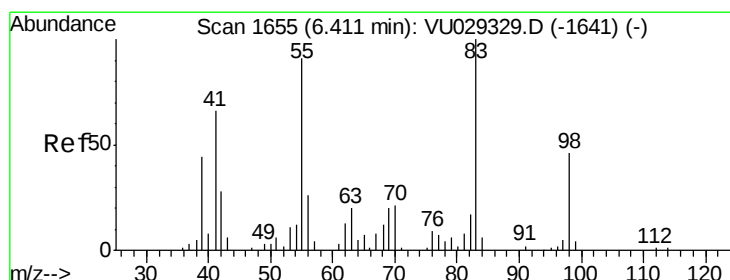
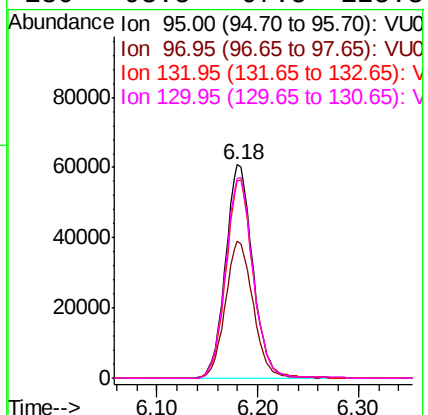
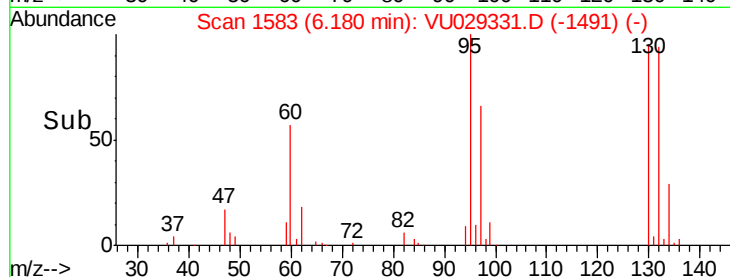
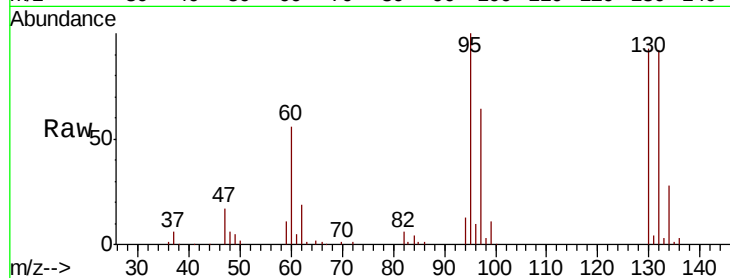
Ion Ratio Lower Upper

95 100

97 64.4 43.3 80.3

132 92.3 60.4 112.2

130 93.5 67.5 125.3



#35

Methylcyclohexane

Concen: 22.185 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

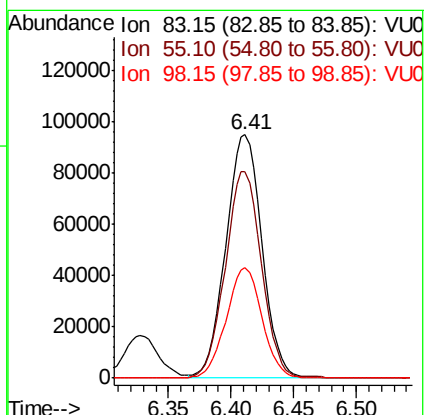
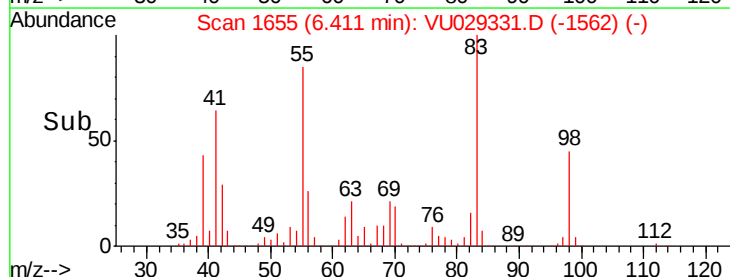
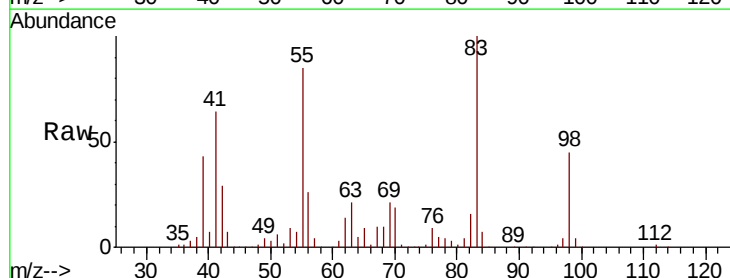
Tgt Ion: 83 Resp: 189087

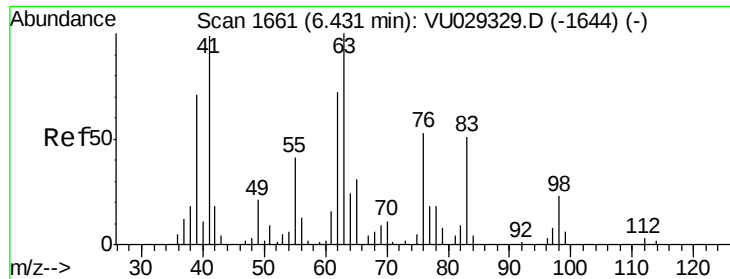
Ion Ratio Lower Upper

83 100

55 85.7 72.2 108.4

98 45.3 36.6 54.8





#37

1,2-Dichloropropane

Concen: 19.542 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

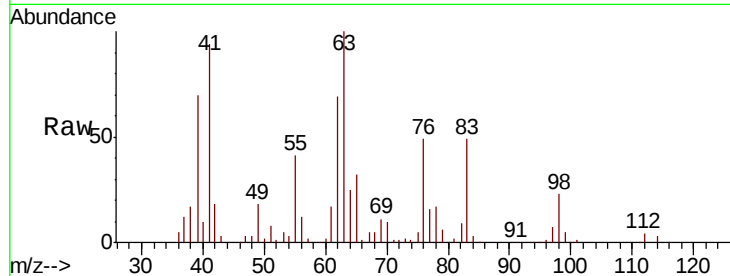
VSTD02047

Tgt Ion: 63 Resp: 113187

Ion Ratio Lower Upper

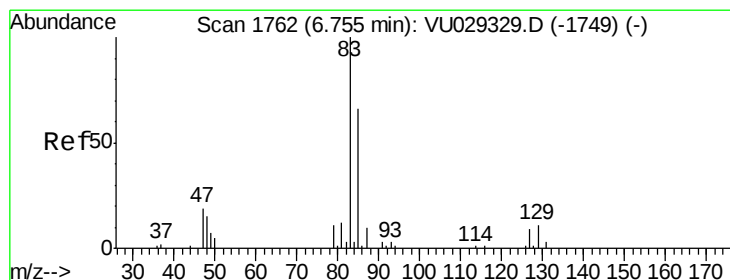
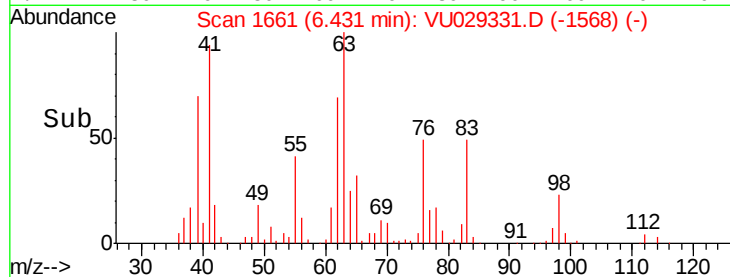
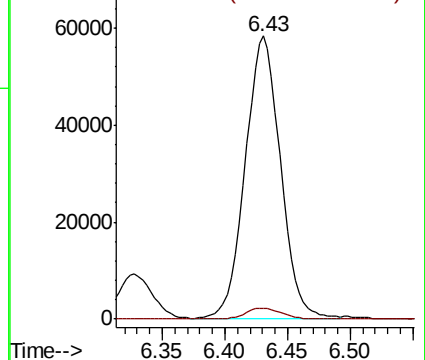
63 100

112 4.0 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 19.599 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

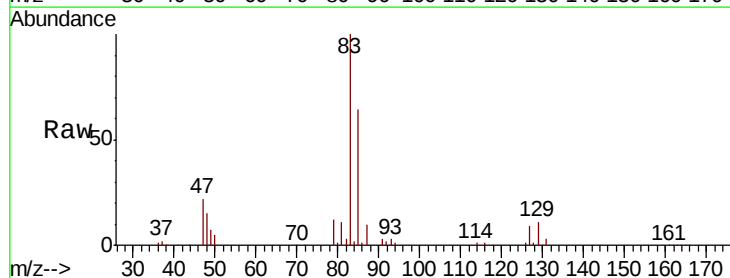
Tgt Ion: 83 Resp: 164082

Ion Ratio Lower Upper

83 100

85 64.2 46.2 85.8

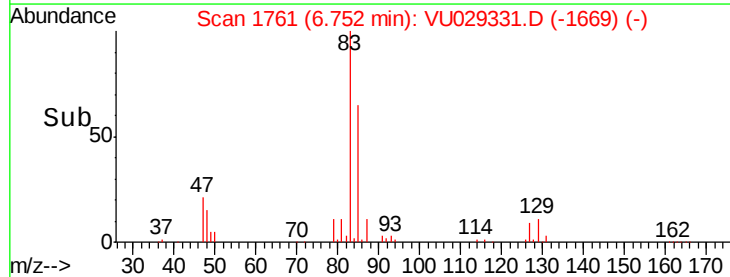
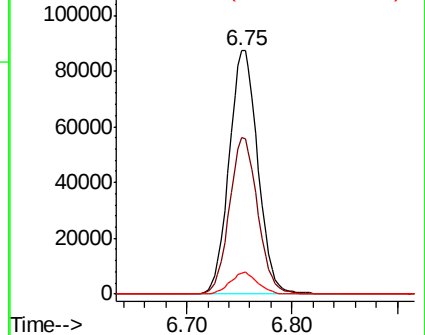
127 8.6 7.3 10.9

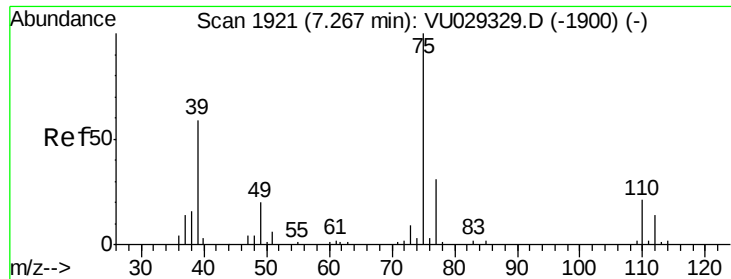


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

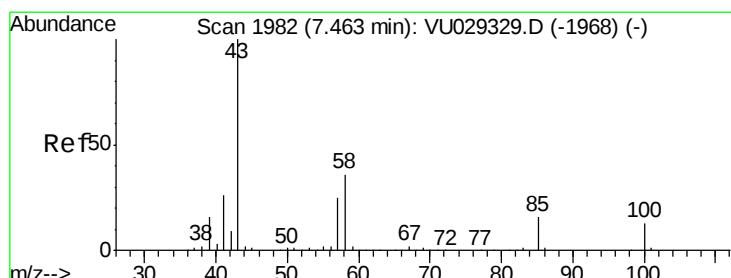
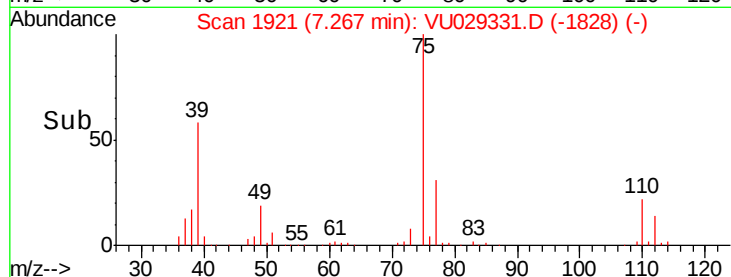
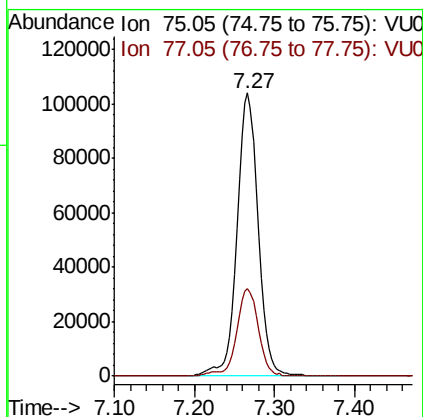
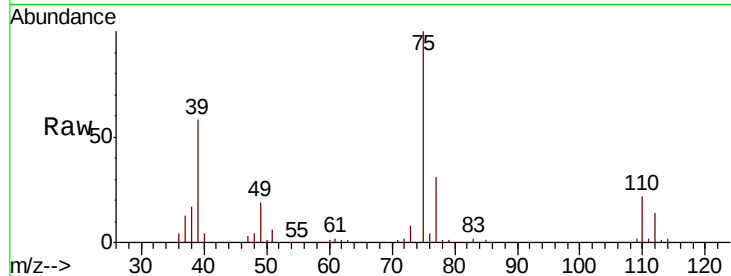




#39
 cis-1,3-Dichloropropene
 Concen: 21.772 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

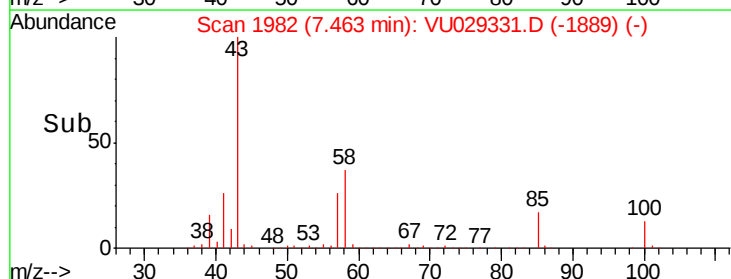
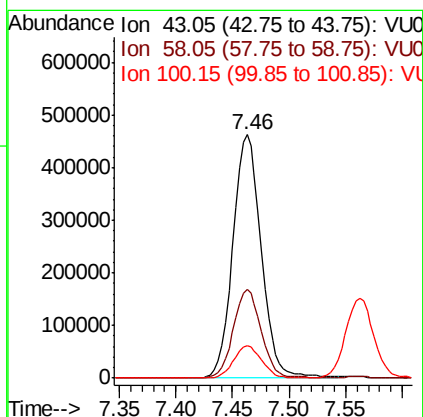
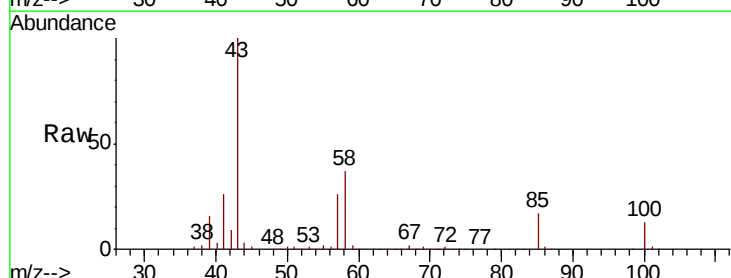
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02047

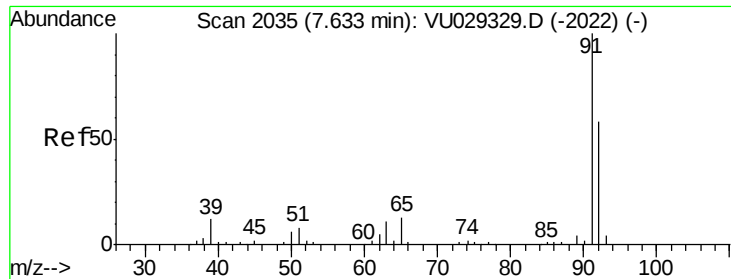
Tgt Ion: 75 Resp: 183630
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 201.611 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

Tgt Ion: 43 Resp: 807230
 Ion Ratio Lower Upper
 43 100
 58 36.0 27.8 41.8
 100 13.2 10.1 15.1





#42

Toluene

Concen: 20.901 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

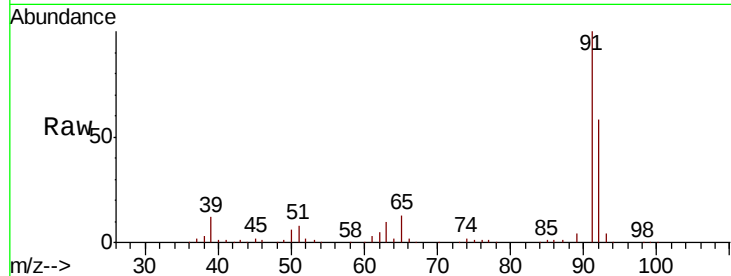
VSTD02047

Tgt Ion: 91 Resp: 472278

Ion Ratio Lower Upper

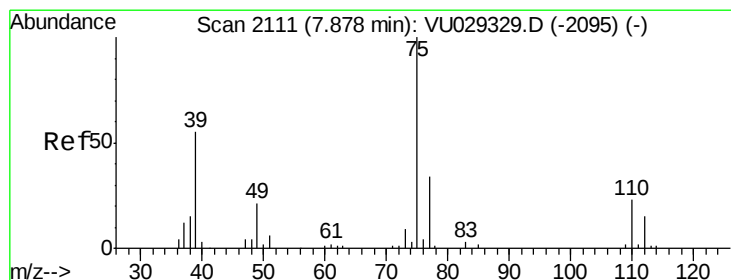
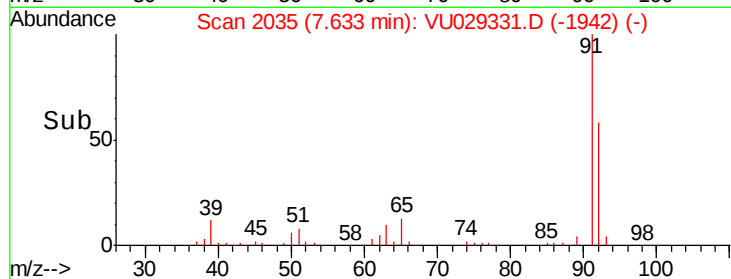
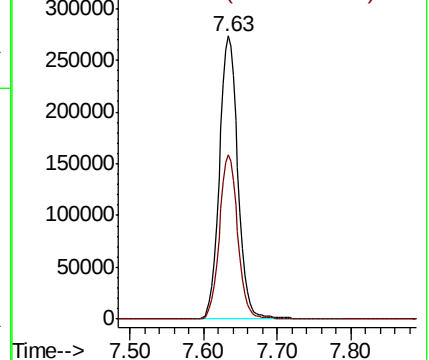
91 100

92 58.2 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 21.552 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029331.D

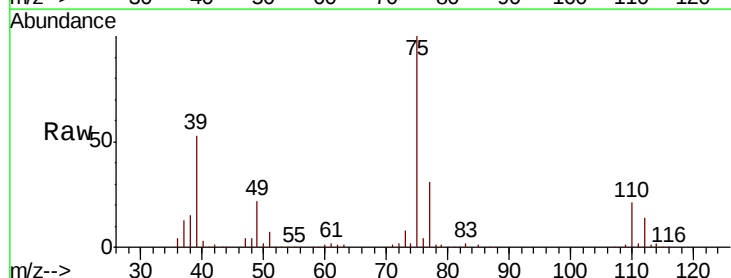
Acq: 01 Feb 2019 12:55

Tgt Ion: 75 Resp: 164543

Ion Ratio Lower Upper

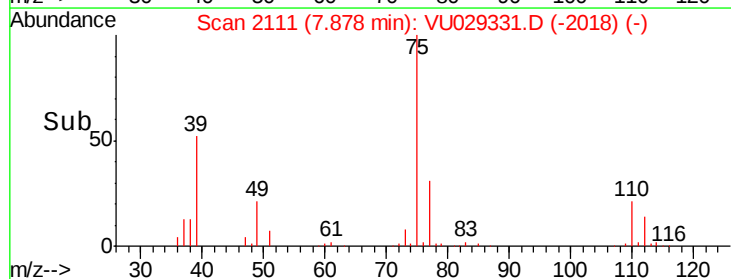
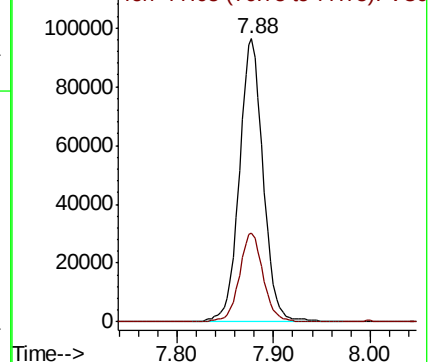
75 100

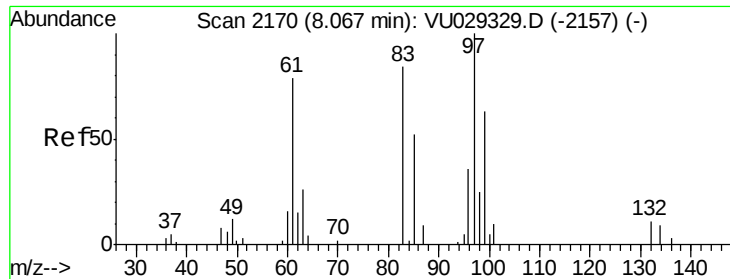
77 31.3 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 19.225 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

Tgt Ion: 97 Resp: 77253

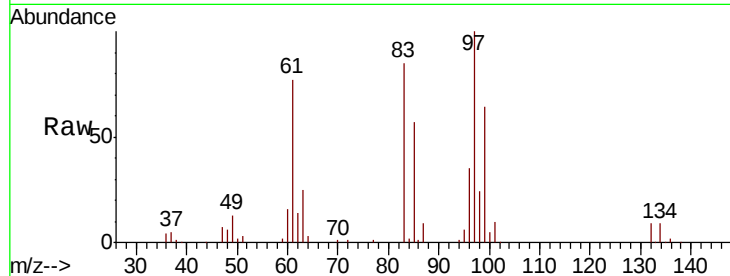
Ion Ratio Lower Upper

97 100

99 63.8 44.2 82.2

83 85.5 59.1 109.7

85 57.0 36.5 67.9

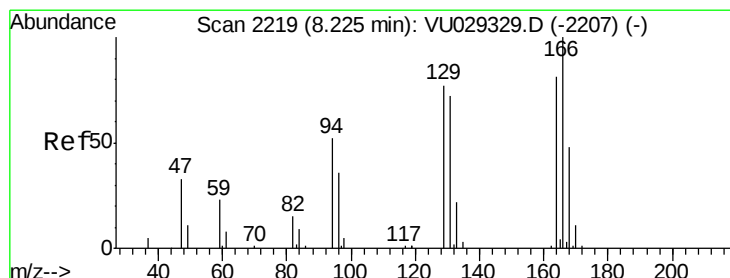
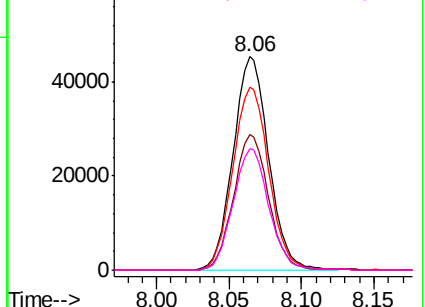
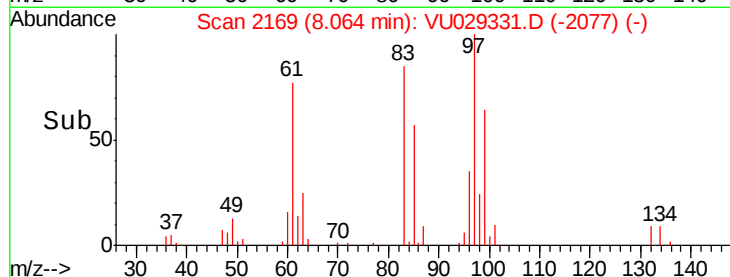


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 19.936 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Tgt Ion: 164 Resp: 95761

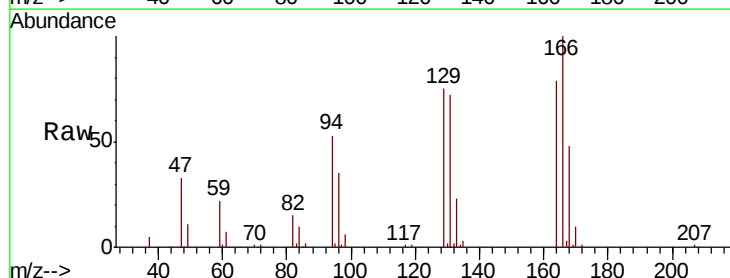
Ion Ratio Lower Upper

164 100

129 94.8 66.1 122.7

131 91.4 62.4 115.8

166 126.9 86.1 159.9

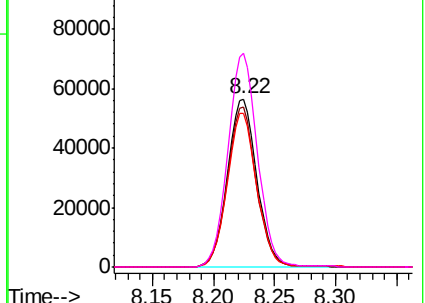
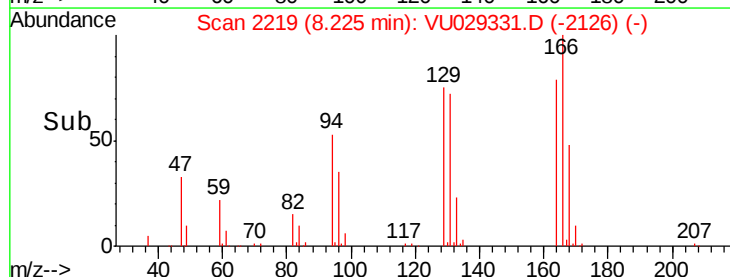


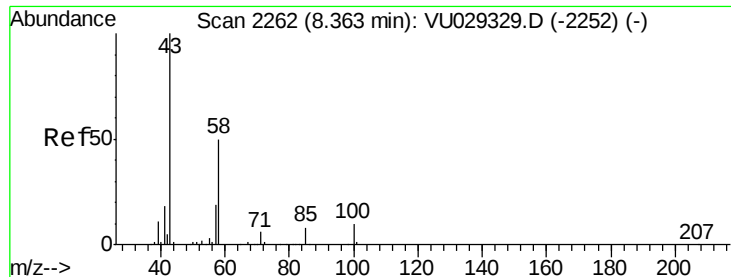
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

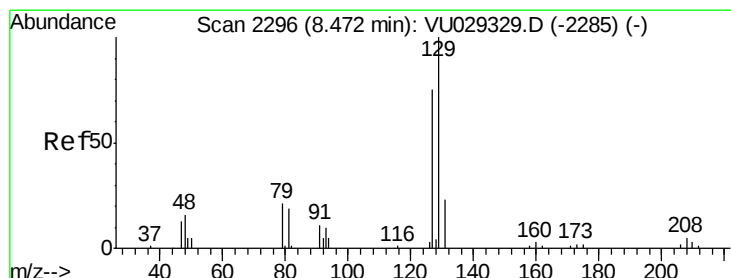
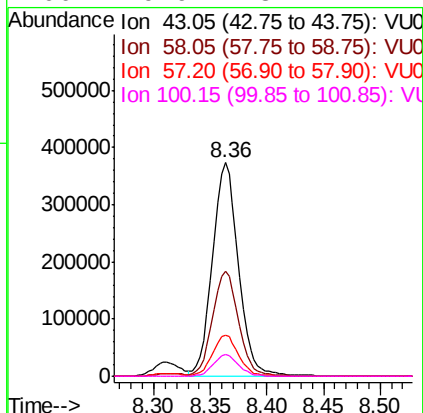
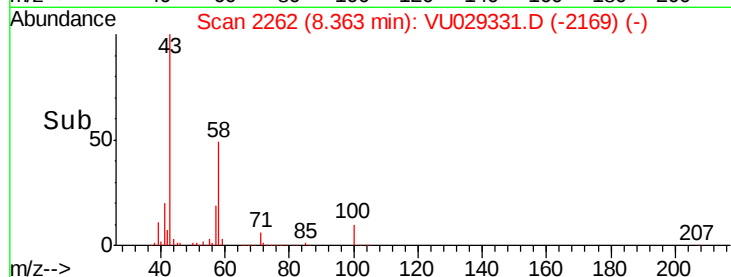
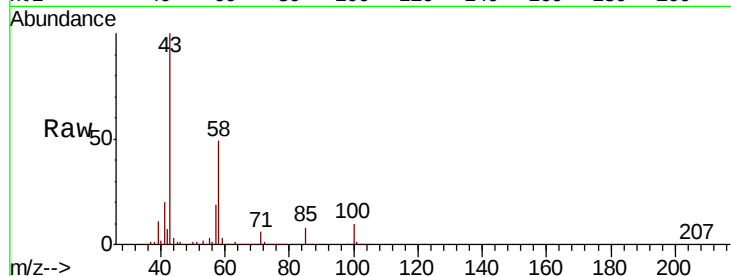




#48
2-Hexanone
Concen: 197.966 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU029331.D
Acq: 01 Feb 2019 12:55

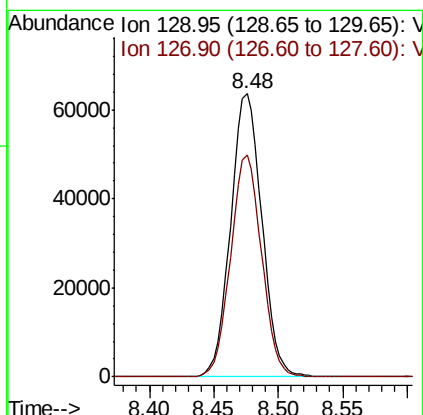
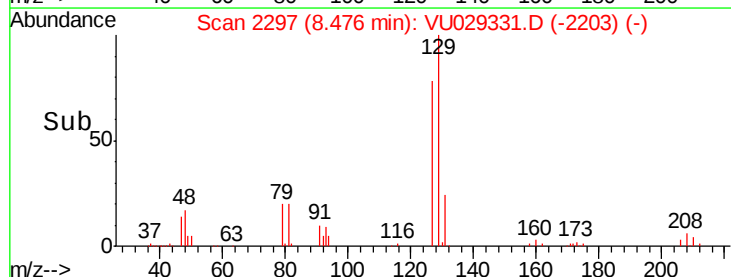
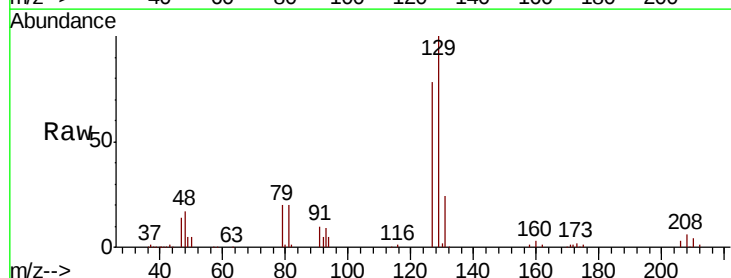
Instrument :
MSVOA_U
ClientSampleId :
VSTD02047

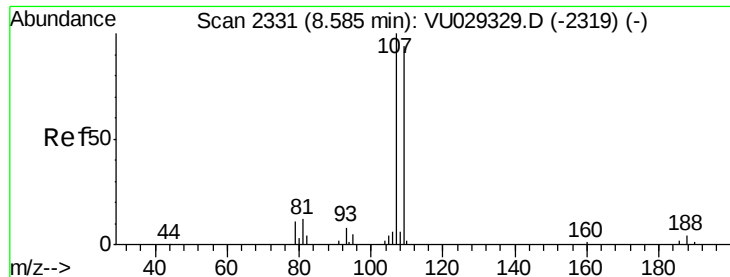
Tgt Ion:	43	Resp:	593875
Ion	Ratio	Lower	Upper
43	100		
58	49.3	39.4	59.0
57	19.0	15.1	22.7
100	9.9	8.2	12.4



#49
Dibromochloromethane
Concen: 19.899 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029331.D
Acq: 01 Feb 2019 12:55

Tgt Ion:	129	Resp:	107078
Ion	Ratio	Lower	Upper
129	100		
127	78.3	52.8	98.0

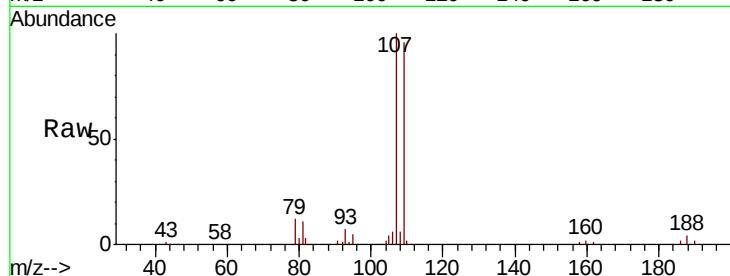




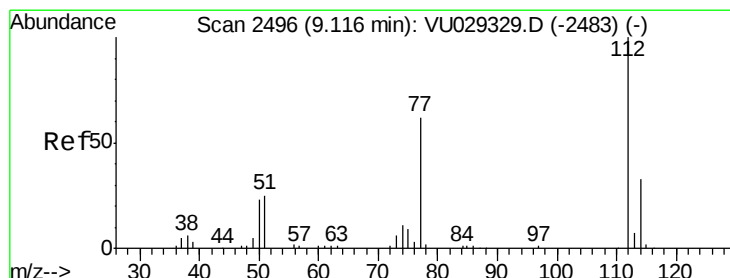
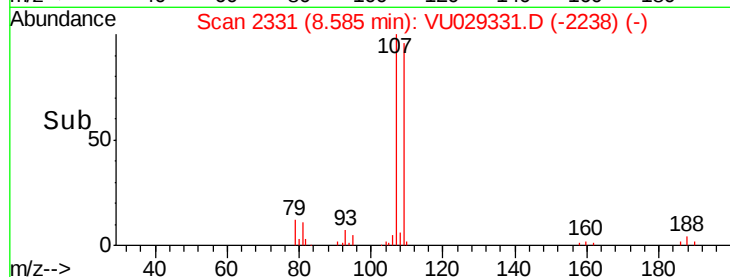
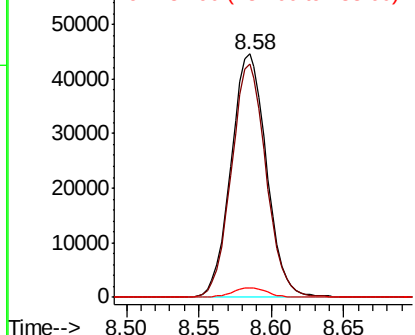
#50
1,2-Dibromoethane
Concen: 19.890 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU029331.D
Acq: 01 Feb 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD02047

Tgt Ion:107 Resp: 75695
Ion Ratio Lower Upper
107 100
109 96.0 65.6 121.8
188 3.9 2.8 4.2

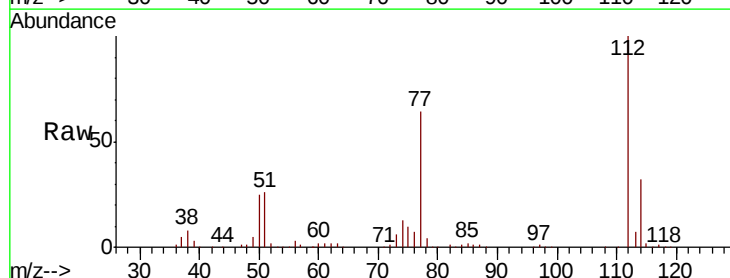


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

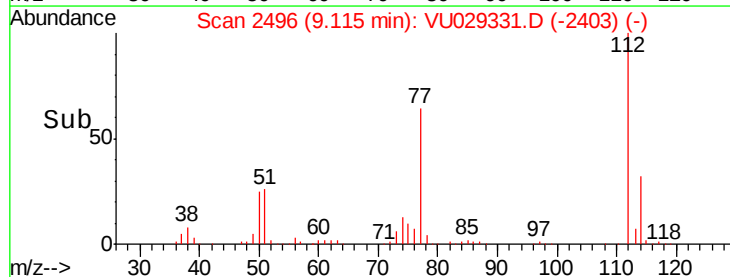
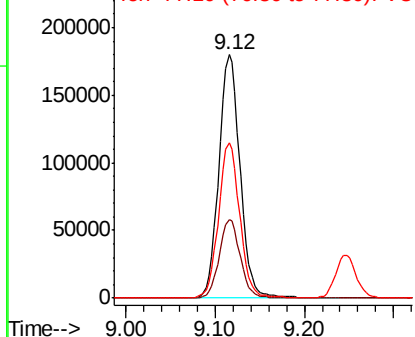


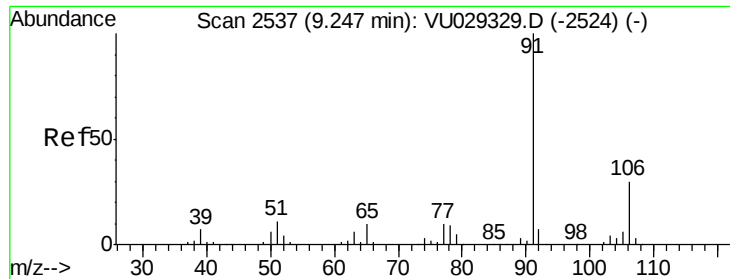
#51
Chlorobenzene
Concen: 20.178 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029331.D
Acq: 01 Feb 2019 12:55

Tgt Ion:112 Resp: 295924
Ion Ratio Lower Upper
112 100
114 32.4 22.8 42.4
77 63.7 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 21.871 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

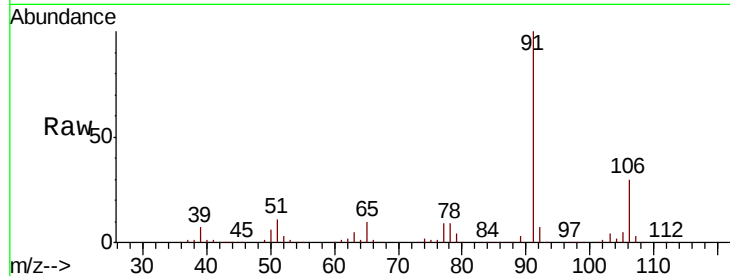
VSTD02047

Tgt Ion: 91 Resp: 548505

Ion Ratio Lower Upper

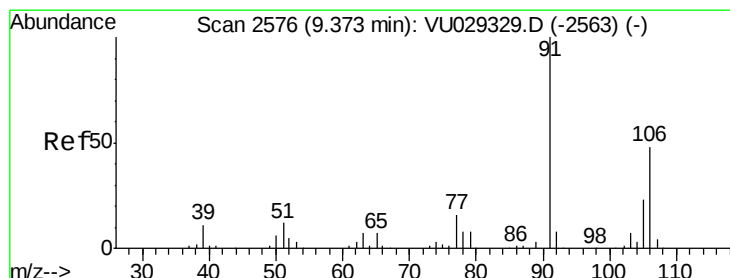
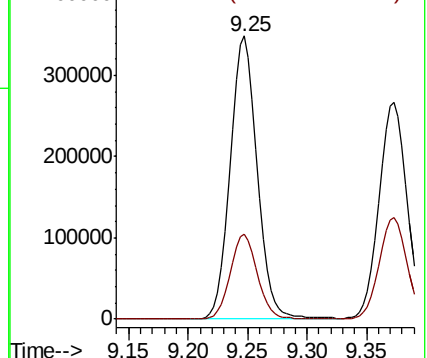
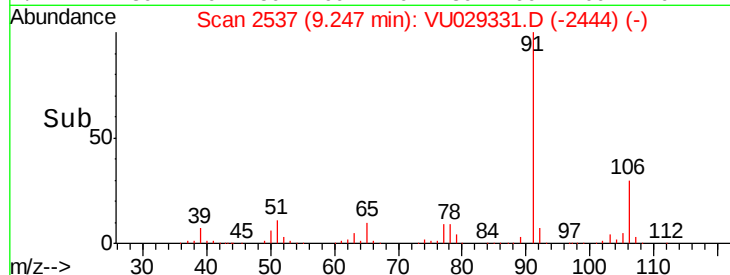
91 100

106 30.0 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU029331.D (-2444) (-)

Ion 106.15 (105.85 to 106.85): VU029331.D (-2444) (-)



#53

m,p-xylene

Concen: 21.847 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029331.D

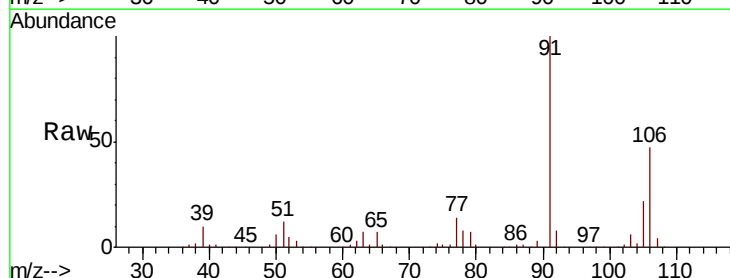
Acq: 01 Feb 2019 12:55

Tgt Ion: 106 Resp: 206246

Ion Ratio Lower Upper

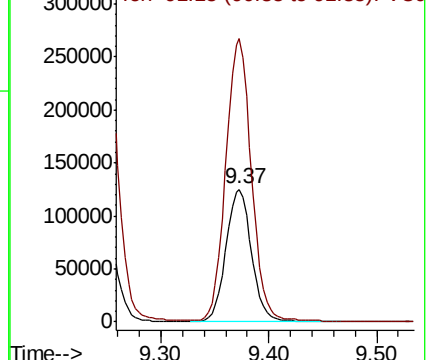
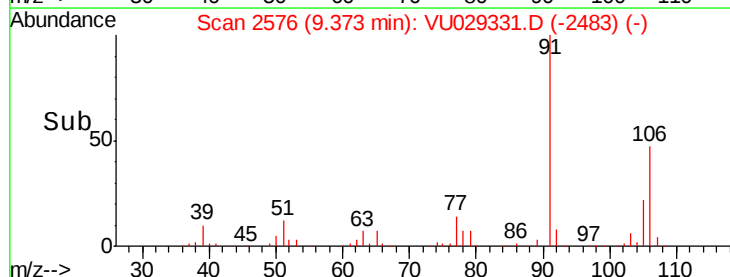
106 100

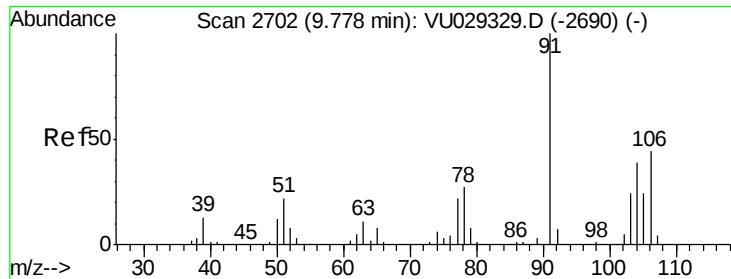
91 213.7 145.9 270.9



Abundance Ion 106.15 (105.85 to 106.85): VU029331.D (-2483) (-)

Ion 91.15 (90.85 to 91.85): VU029331.D (-2483) (-)

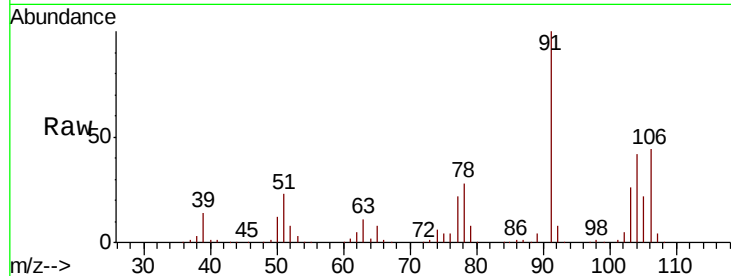




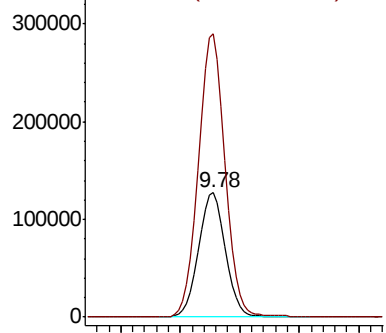
#54
o-xylene
Concen: 22.117 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. -0.00 min
Lab File: VU029331.D
Acq: 01 Feb 2019 12:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD02047

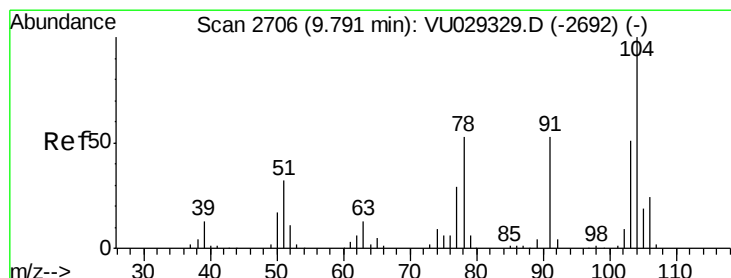
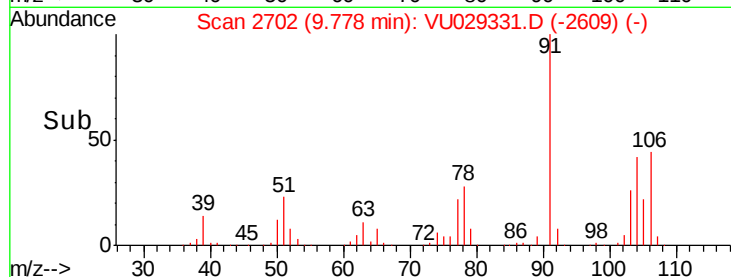
Tgt Ion:106 Resp: 199960
Ion Ratio Lower Upper
106 100
91 227.9 160.9 298.9



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

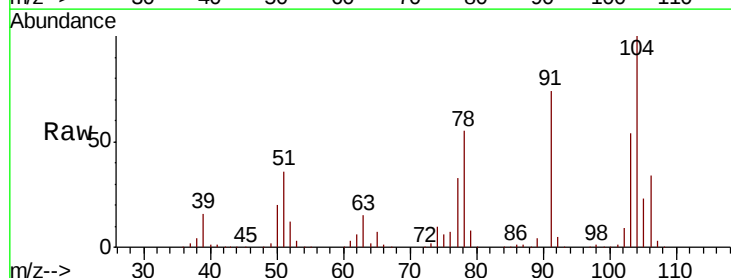


Time-->

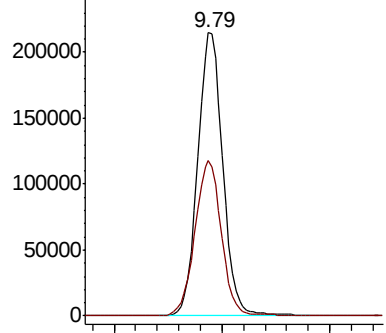


#55
Styrene
Concen: 22.454 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU029331.D
Acq: 01 Feb 2019 12:55

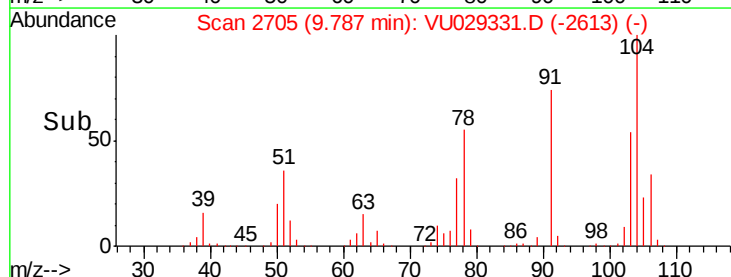
Tgt Ion:104 Resp: 348876
Ion Ratio Lower Upper
104 100
78 54.9 36.8 68.3

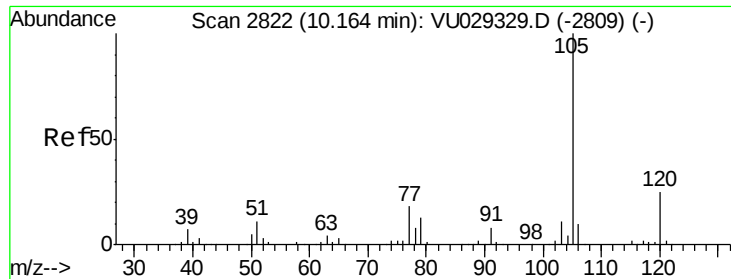


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 22.534 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

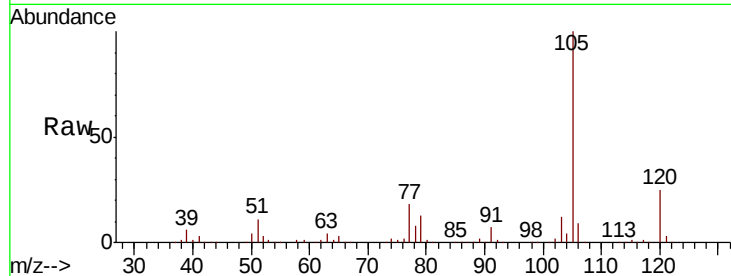
Tgt Ion: 105 Resp: 554270

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

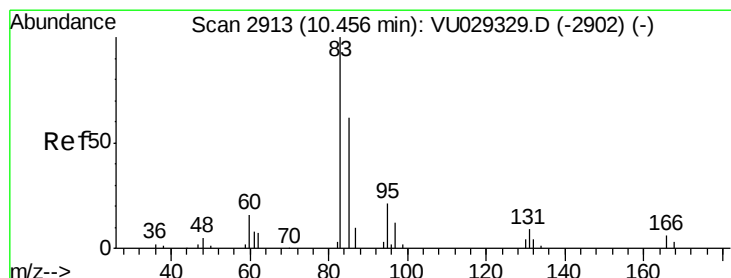
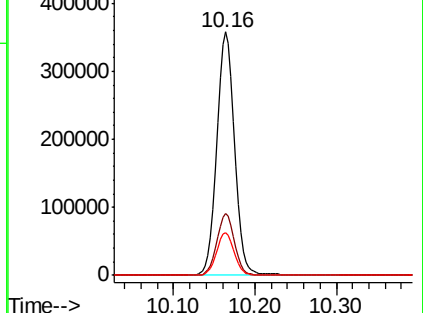
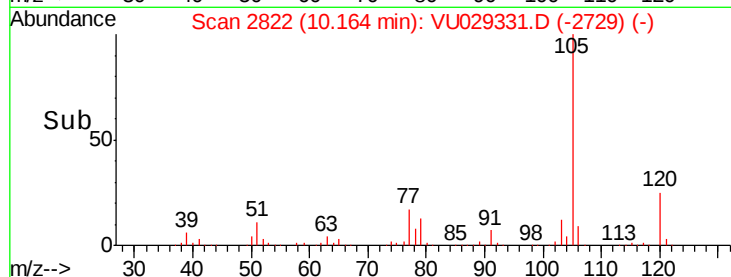
77 17.6 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 19.567 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

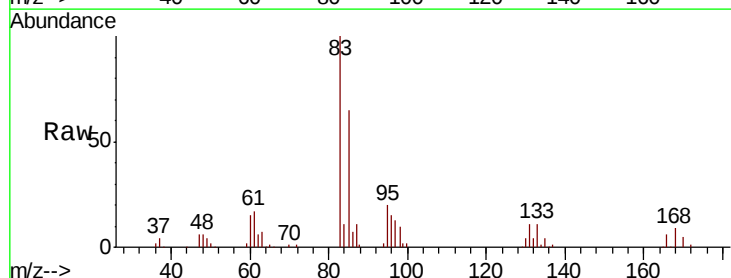
Tgt Ion: 83 Resp: 101509

Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.4

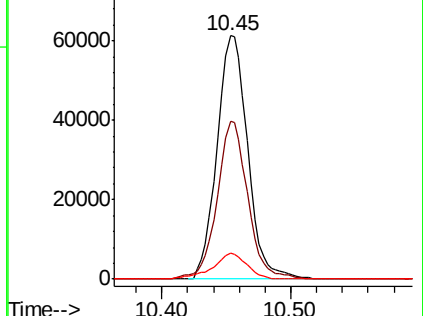
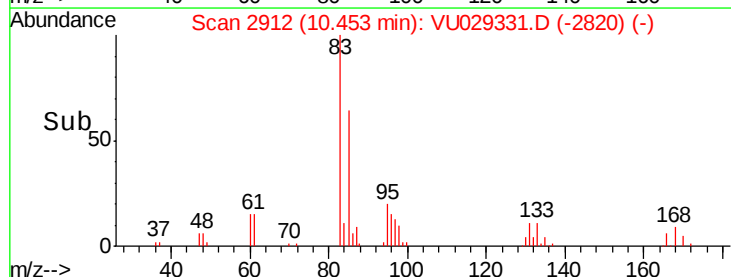
131 10.6 8.9 13.3

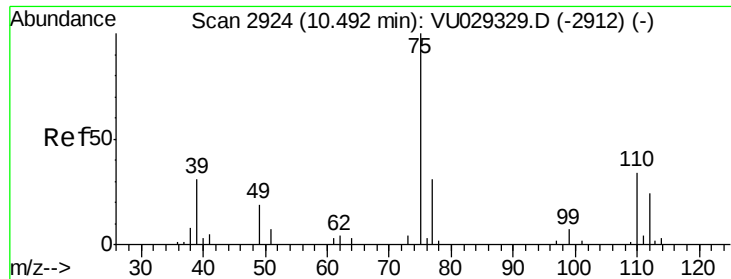


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

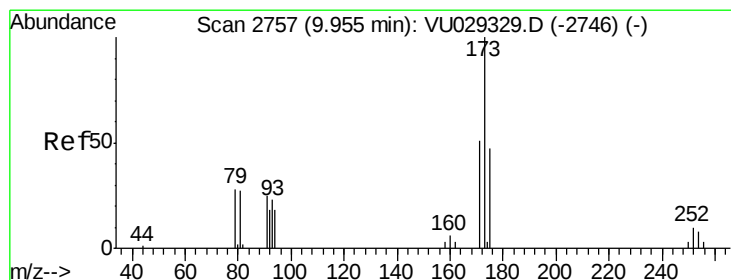
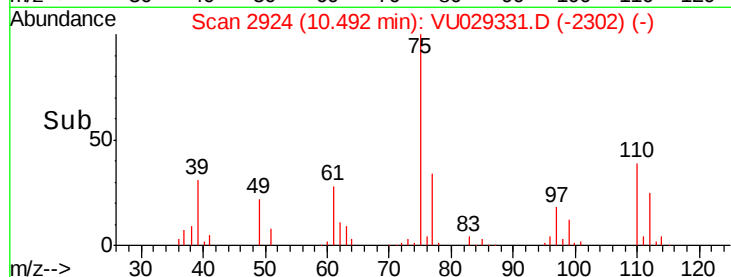
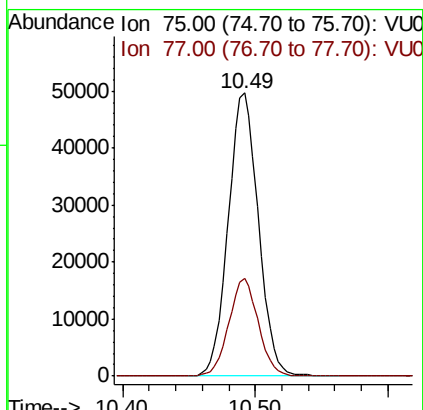
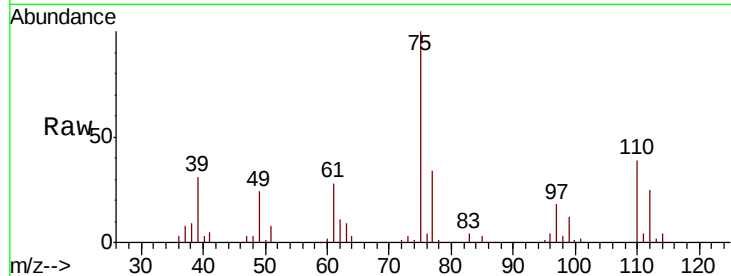




#59
 1,2,3-Trichloropropane
 Concen: 19.000 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

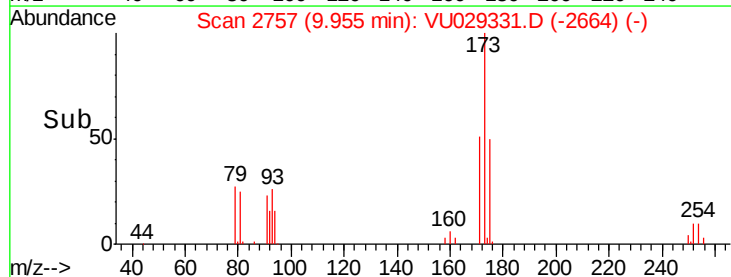
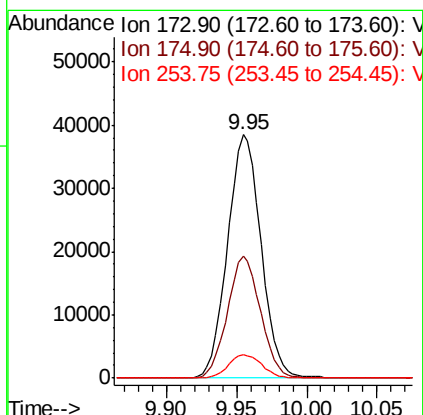
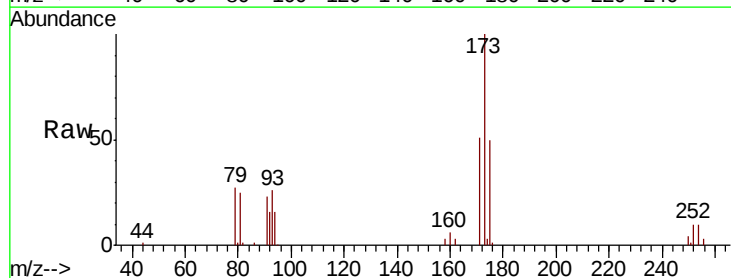
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02047

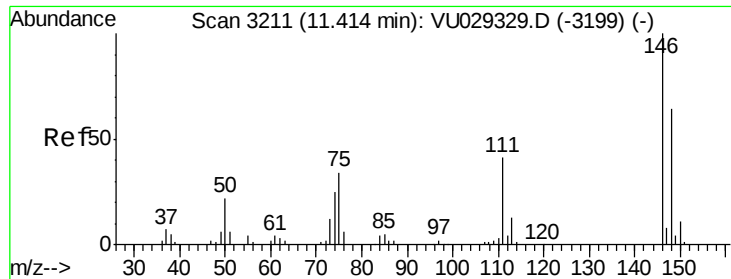
Tgt Ion: 75 Resp: 78408
 Ion Ratio Lower Upper
 75 100
 77 33.6 24.7 37.1



#61
 Bromoform
 Concen: 18.324 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

Tgt Ion: 173 Resp: 64012
 Ion Ratio Lower Upper
 173 100
 175 49.4 37.3 55.9
 254 9.6 6.9 10.3

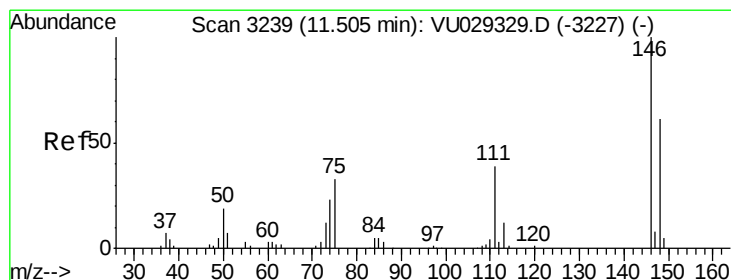
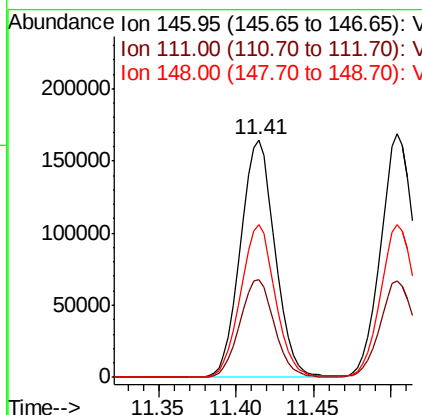
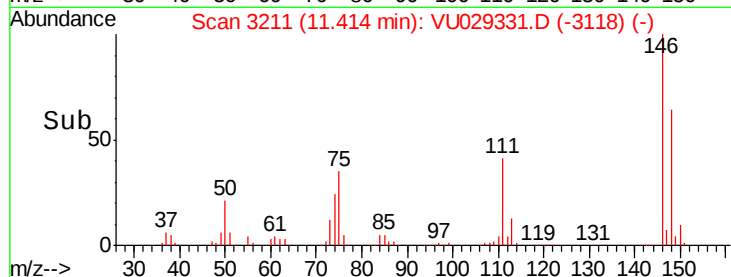
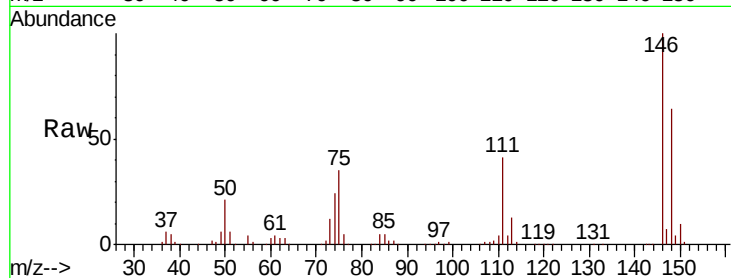




#62
 1,3-Dichlorobenzene
 Concen: 19.689 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

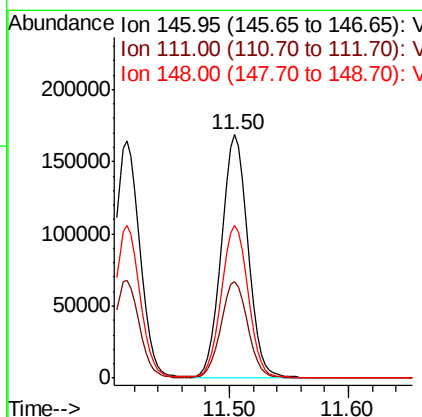
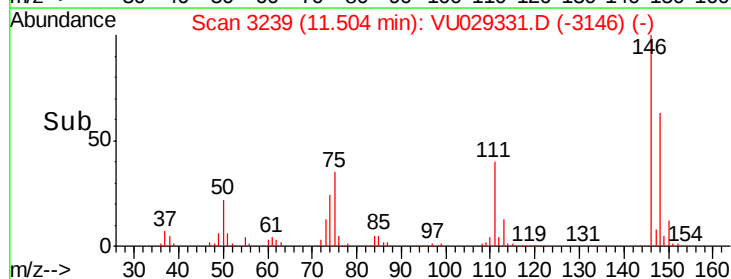
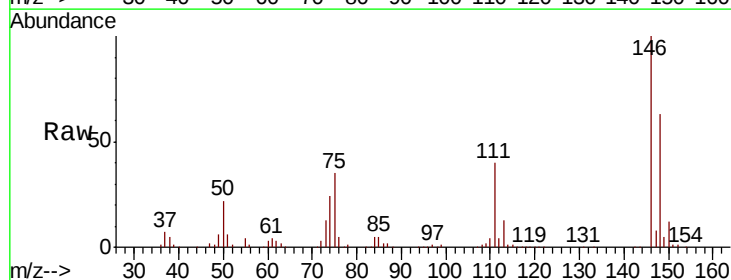
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02047

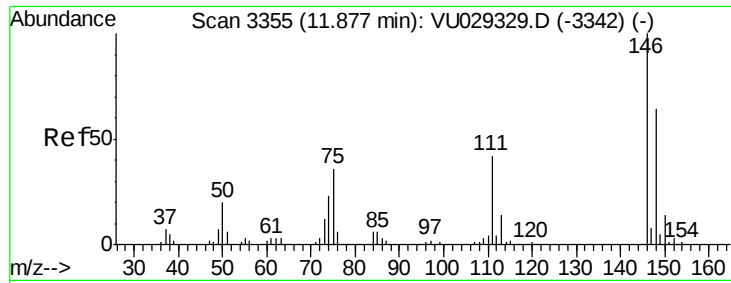
Tgt Ion:146 Resp: 256173
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.8 53.6
 148 64.5 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 19.250 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

Tgt Ion:146 Resp: 261346
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.2 50.6
 148 62.5 43.0 79.8





#65

1,2-Dichlorobenzene

Concen: 19.576 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

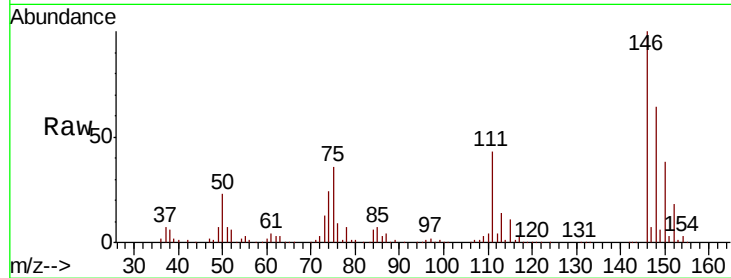
Tgt Ion: 146 Resp: 248924

Ion Ratio Lower Upper

146 100

111 42.7 33.6 50.4

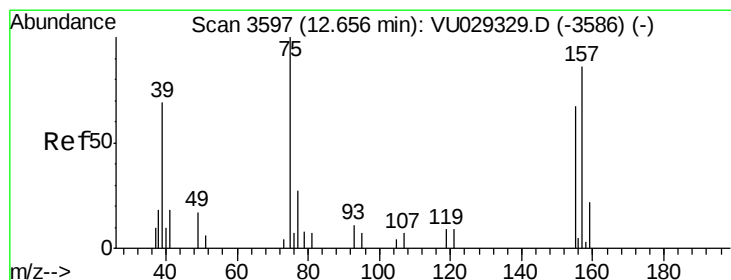
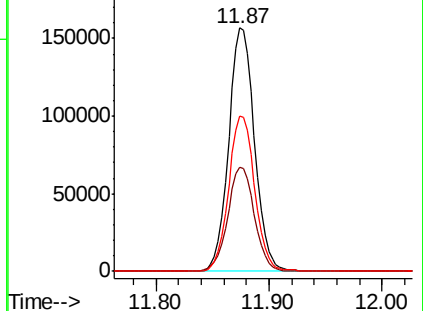
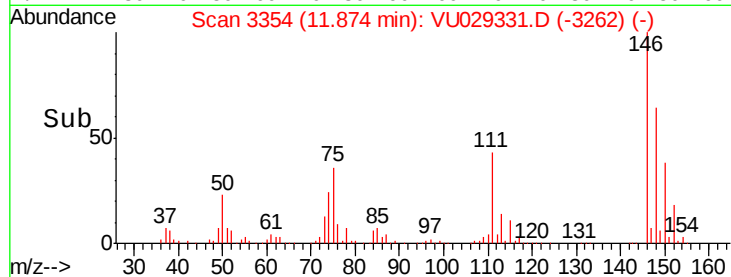
148 63.5 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 19.006 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

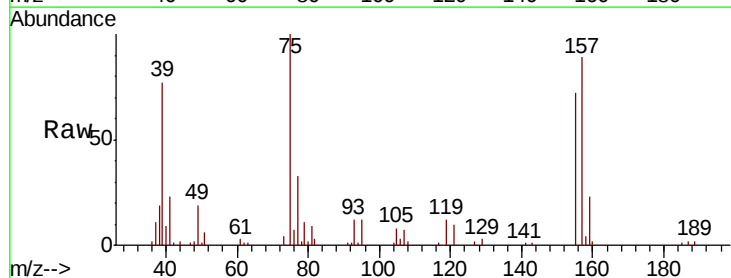
Tgt Ion: 75 Resp: 21044

Ion Ratio Lower Upper

75 100

155 72.2 53.7 80.5

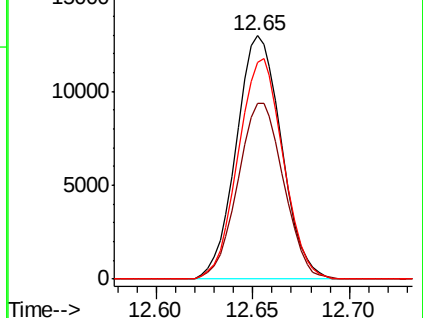
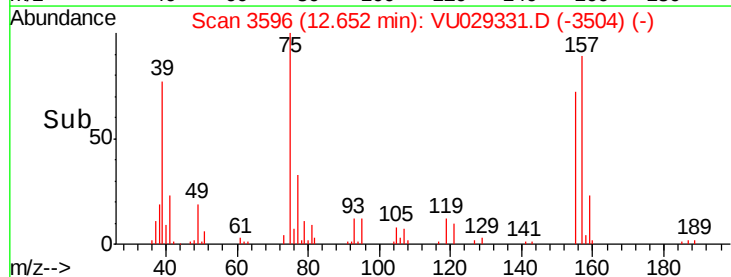
157 89.1 68.8 103.2

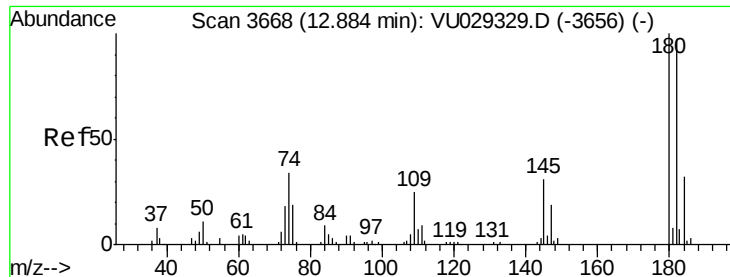


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

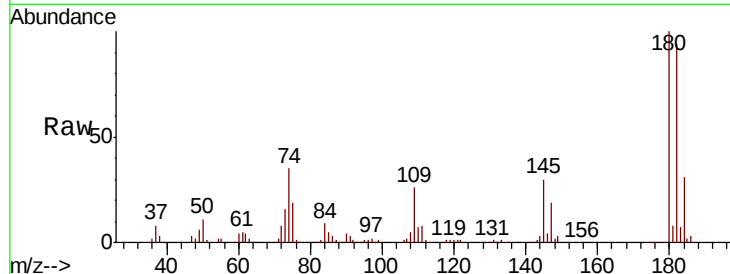




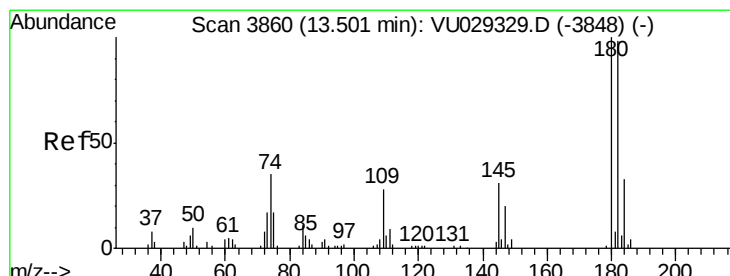
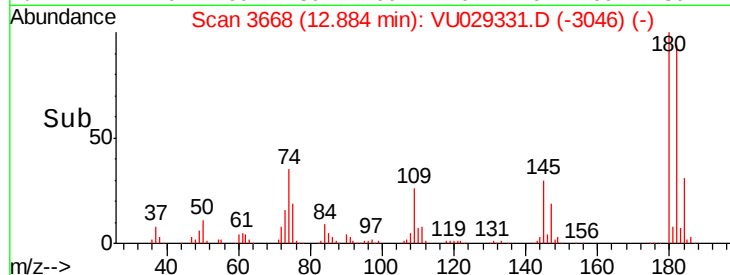
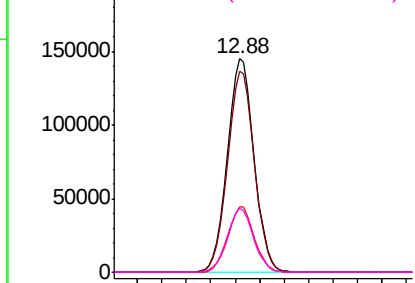
#67
 1,3,5-Trichlorobenzene
 Concen: 20.283 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02047

Tgt Ion:	180	Resp:	221972
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.4	114.6
184	30.2	24.6	36.8
145	29.7	23.7	35.5

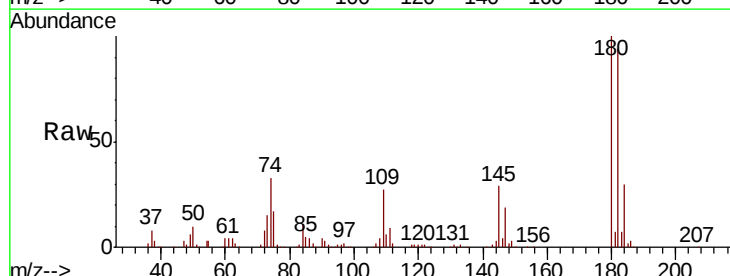


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

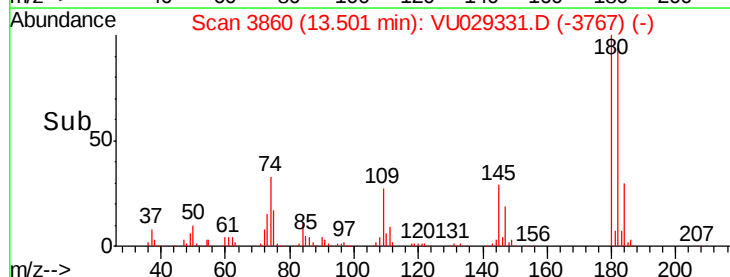
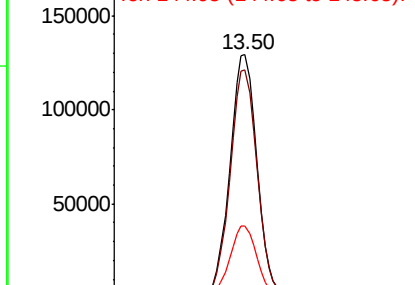


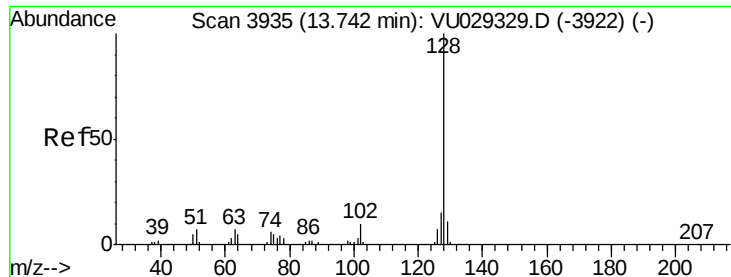
#68
 1,2,4-trichlorobenzene
 Concen: 21.027 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU029331.D
 Acq: 01 Feb 2019 12:55

Tgt Ion:	180	Resp:	196570
Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.6	116.4
145	29.8	24.2	36.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 22.121 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD02047

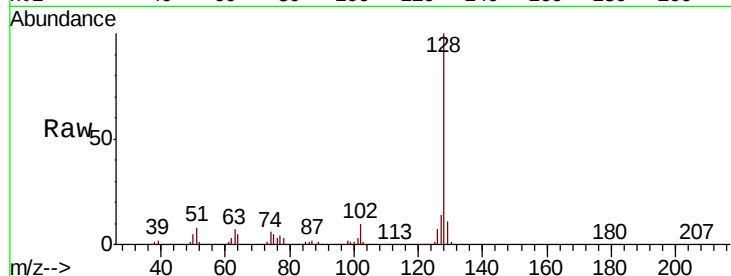
Tgt Ion:128 Resp: 333640

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

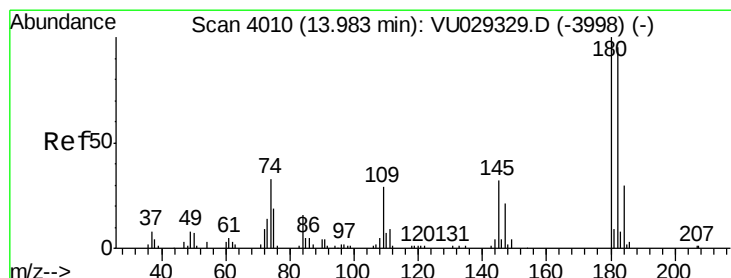
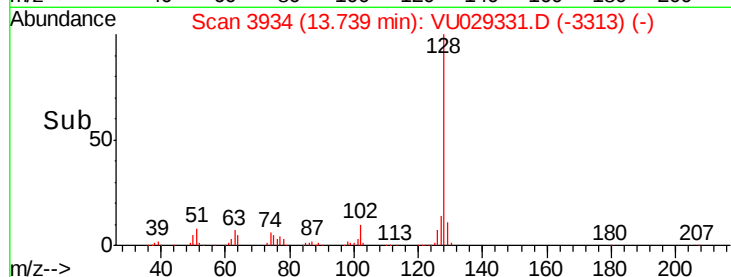
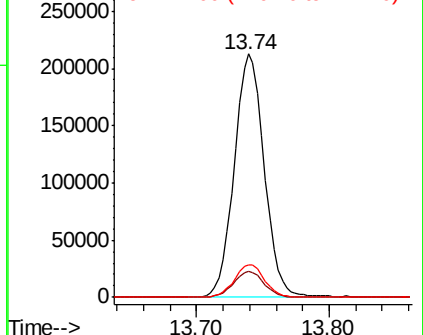
127 13.6 11.5 17.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 19.652 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029331.D

Acq: 01 Feb 2019 12:55

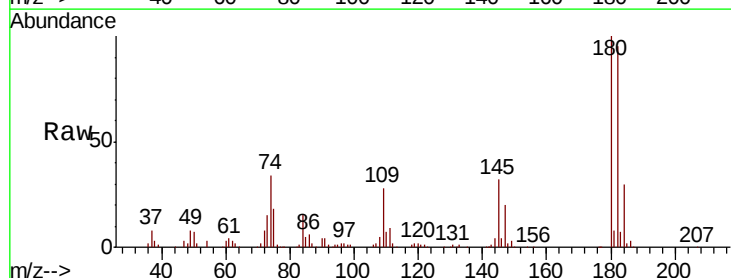
Tgt Ion:180 Resp: 179945

Ion Ratio Lower Upper

180 100

182 95.7 76.1 114.1

145 31.6 25.1 37.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

