

Data File : VU029997.D
Acq On : 12 Mar 2019 03:39
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

Quant Time: Mar 12 07:12:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 07:07:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	521106	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	510613	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	266688	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	170970	49.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.20%
7) Chloroethane-d5	1.68	69	139736	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.44%
11) 1,1-Dichloroethene-d2	2.27	63	314681	50.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.16%
21) 2-Butanone-d5	4.17	46	260525	100.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.88%
24) Chloroform-d	4.65	84	316001	51.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.22%
26) 1,2-Dichloroethane-d4	5.31	65	180369	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.00%
32) Benzene-d6	5.34	84	668405	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
36) 1,2-Dichloropropane-d6	6.33	67	202159	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.50%
41) Toluene-d8	7.56	98	633981	51.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.02%
43) trans-1,3-Dichloropropene-	7.85	79	94818	48.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.32%
47) 2-Hexanone-d5	8.31	63	226893	100.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	306581	49.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	258770	50.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.18%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	161718	49.115 ug/L	98
3) Chloromethane	1.33	50	186743	51.407 ug/L	99
5) Vinyl chloride	1.41	62	196562	49.362 ug/L	99
6) Bromomethane	1.62	94	118554	48.060 ug/L	98
8) Chloroethane	1.70	64	122713	47.018 ug/L	98
9) Trichlorofluoromethane	1.89	101	264424	49.514 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	166344	48.589 ug/L	99
12) 1,1-Dichloroethene	2.28	96	162145	49.644 ug/L	99
13) Acetone	2.32	43	172551	57.146 ug/L	99
14) Carbon disulfide	2.48	76	495565	48.953 ug/L	100
15) Methyl Acetate	2.61	43	194878	49.955 ug/L	99
16) Methylene chloride	2.70	84	190615	49.424 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	175872	49.445 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	527077	49.963 ug/L	100
19) 1,1-Dichloroethane	3.45	63	306243	50.146 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	200530	49.523 ug/L	96
22) 2-Butanone	4.26	43	276658	80.481 ug/L	99

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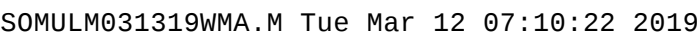
Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

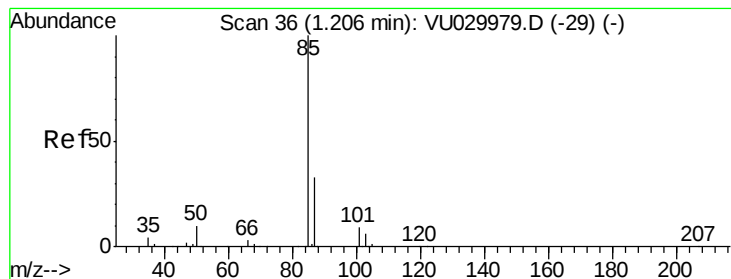
Quant Time: Mar 12 07:12:30 2019
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Quant Title : VOC Analysis
QLast Update : Tue Mar 12 07:07:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	105269	50.187	ug/L	98
25) Chloroform	4.67	83	325479	50.779	ug/L	99
27) 1,2-Dichloroethane	5.40	62	237572	51.553	ug/L	98
29) Cyclohexane	4.99	56	273984	48.650	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	273608	49.084	ug/L	99
31) Carbon tetrachloride	5.13	117	245185	49.811	ug/L	98
33) Benzene	5.39	78	730797	50.015	ug/L	100
34) Trichloroethene	6.18	95	189563	49.501	ug/L	99
35) Methylcyclohexane	6.41	83	297770	47.951	ug/L	99
37) 1,2-Dichloropropane	6.43	63	190094	49.460	ug/L	100
38) Bromodichloromethane	6.76	83	238017	49.802	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	281232	47.021	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	506949	97.689	ug/L	100
42) Toluene	7.63	91	794759	50.028	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	262408	48.052	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	192801	50.161	ug/L	98
46) Tetrachloroethene	8.22	164	163829	48.885	ug/L	99
48) 2-Hexanone	8.36	43	399590	90.259	ug/L	99
49) Dibromochloromethane	8.47	129	211771	49.314	ug/L	100
50) 1,2-Dibromoethane	8.58	107	207188	48.904	ug/L	96
51) Chlorobenzene	9.12	112	525744	49.088	ug/L	99
52) Ethylbenzene	9.25	91	864214	49.416	ug/L	100
53) m,p-Xylene	9.37	106	335487	49.582	ug/L	99
54) o-xylene	9.77	106	335132	50.426	ug/L	99
55) Styrene	9.79	104	569952	50.365	ug/L	98
56) Isopropylbenzene	10.16	105	863045	49.603	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	325461	49.335	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	243598	48.667	ug/L	99
61) Bromoform	9.95	173	165293	49.793	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	417364	48.460	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	424978	48.527	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	426925	49.246	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	70999	50.398	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	318127	47.589	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	295453	48.318	ug/L	100
69) Naphthalene	13.74	128	1009135	50.794	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	311642	49.060	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 49.115 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

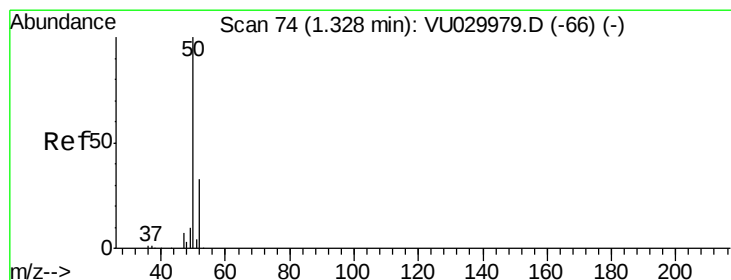
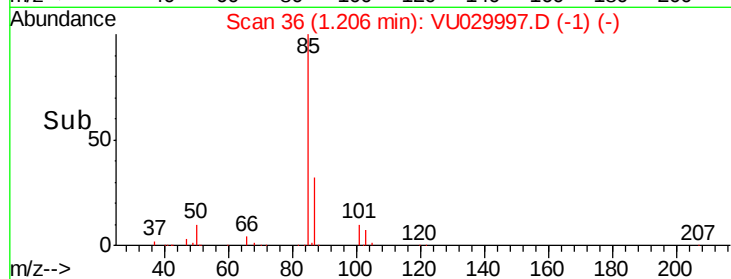
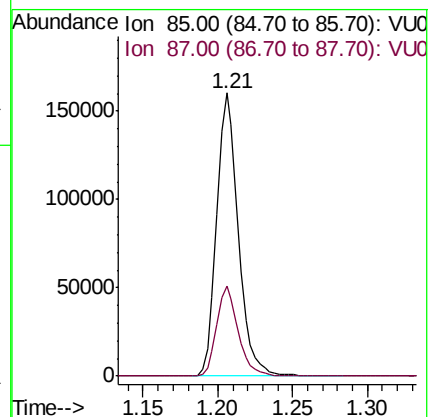
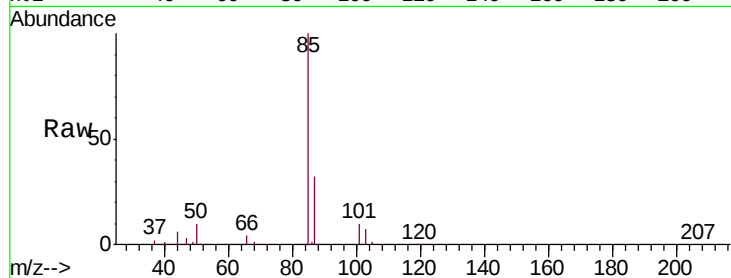
VSTD05031

Tgt Ion: 85 Resp: 161718

Ion Ratio Lower Upper

85 100

87 31.7 26.4 39.6



#3

Chloromethane

Concen: 51.407 ug/L

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU029997.D

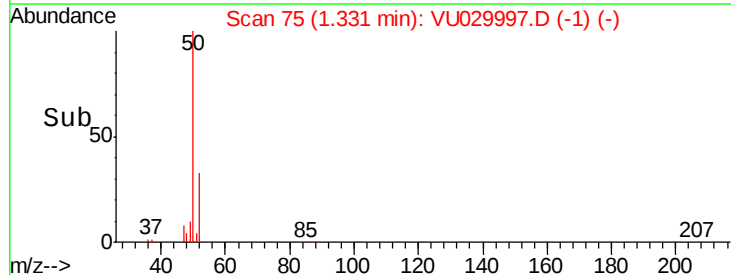
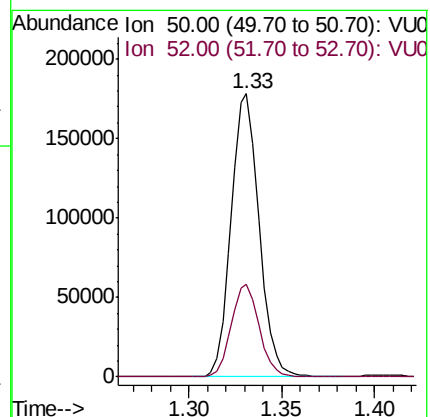
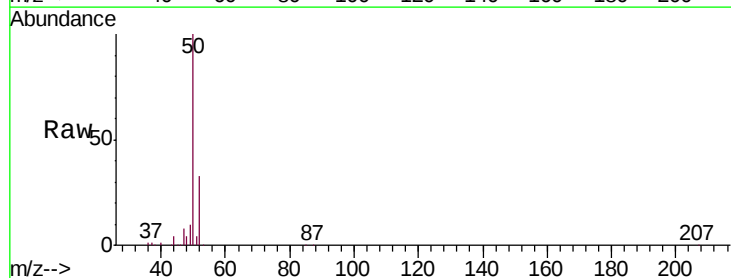
Acq: 12 Mar 2019 03:39

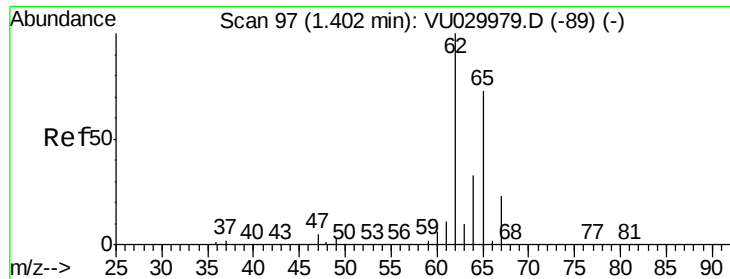
Tgt Ion: 50 Resp: 186743

Ion Ratio Lower Upper

50 100

52 32.7 23.4 43.6





#5

Vinyl chloride

Concen: 49.362 ug/L

RT: 1.41 min Scan# 98

Delta R.T. 0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

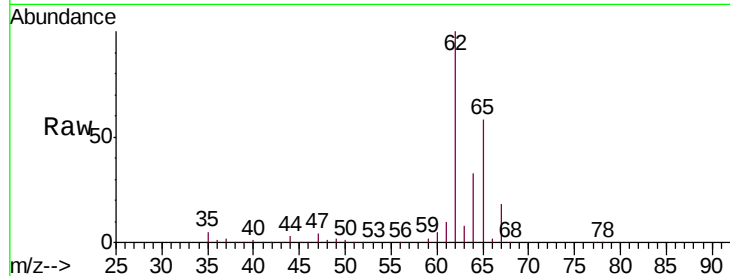
VSTD05031

Tgt Ion: 62 Resp: 196562

Ion Ratio Lower Upper

62 100

64 33.2 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

200000

150000

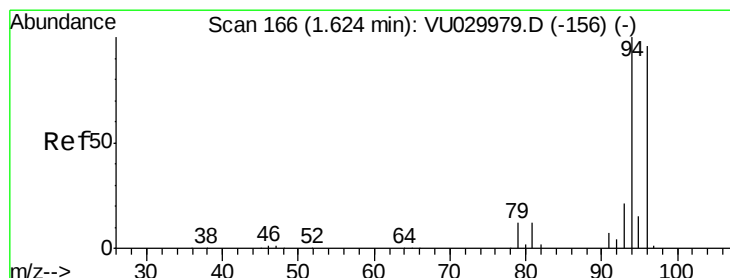
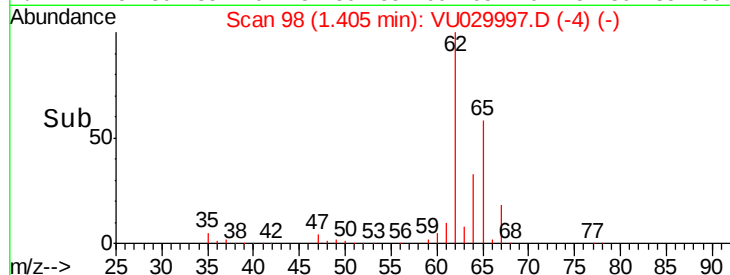
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 48.060 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU029997.D

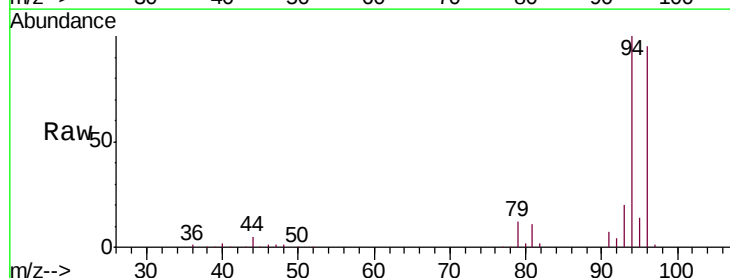
Acq: 12 Mar 2019 03:39

Tgt Ion: 94 Resp: 118554

Ion Ratio Lower Upper

94 100

96 95.1 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

100000

80000

60000

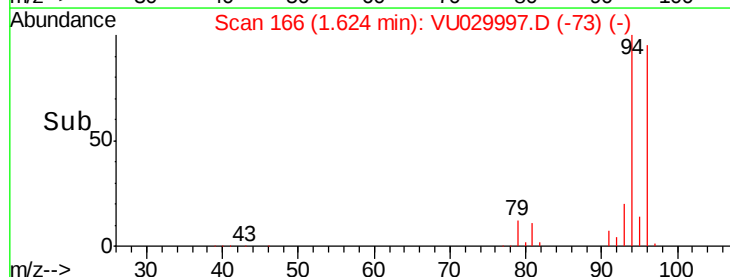
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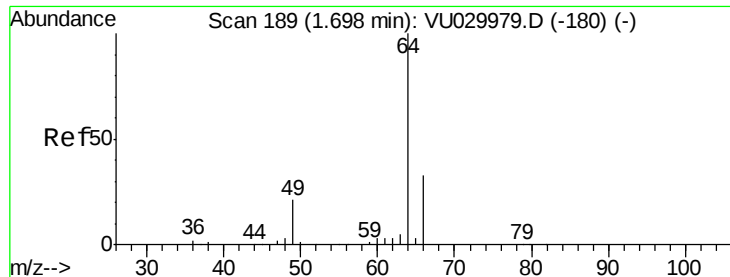
20000

0

1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 47.018 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

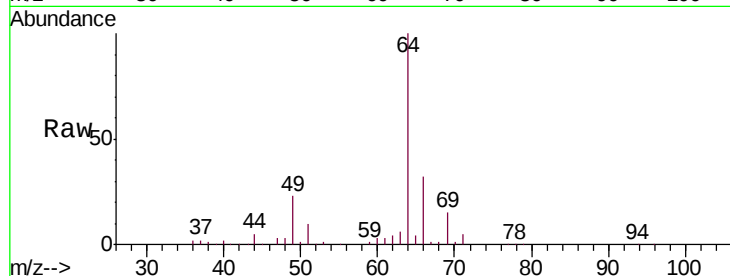
VSTD05031

Tgt Ion: 64 Resp: 122713

Ion Ratio Lower Upper

64 100

66 31.6 21.3 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU029997.D (-180) (-)

Ion 66.00 (65.70 to 66.70): VU029997.D (-180) (-)

1.70

100000

80000

60000

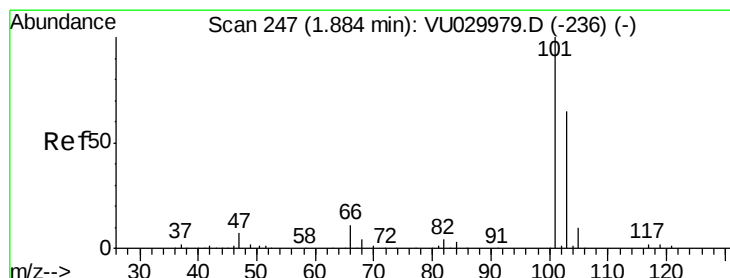
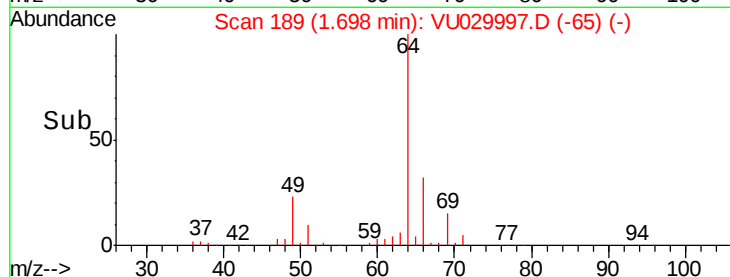
40000

20000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 49.514 ug/L

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU029997.D

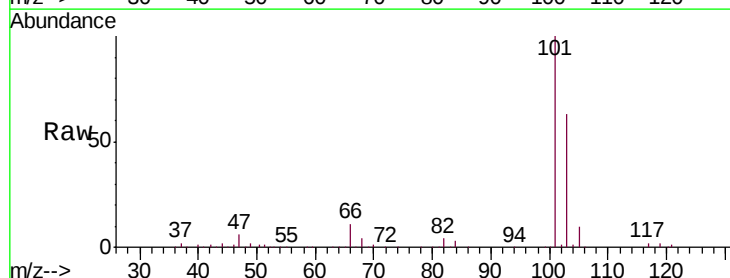
Acq: 12 Mar 2019 03:39

Tgt Ion: 101 Resp: 264424

Ion Ratio Lower Upper

101 100

103 64.5 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU029997.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU029997.D (-236) (-)

1.89

200000

150000

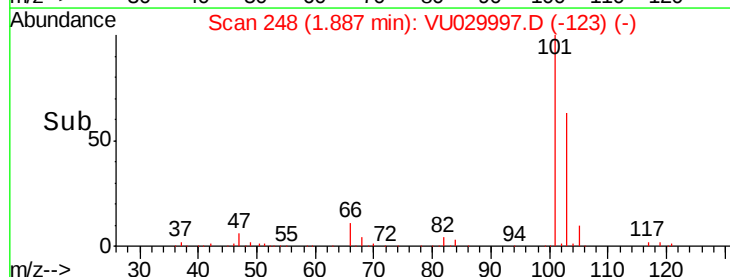
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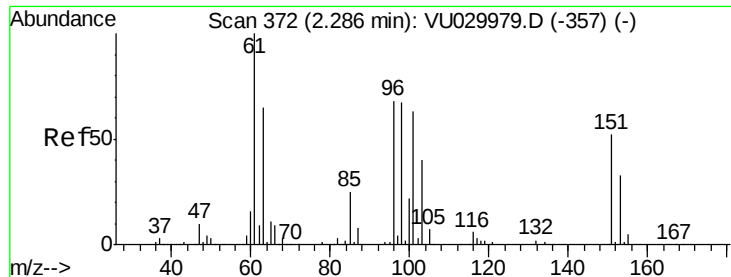
50000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 48.589 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

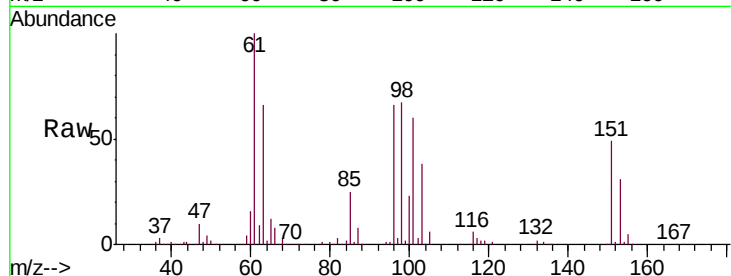
Tgt Ion: 101 Resp: 166344

Ion Ratio Lower Upper

101 100

85 40.7 33.0 49.4

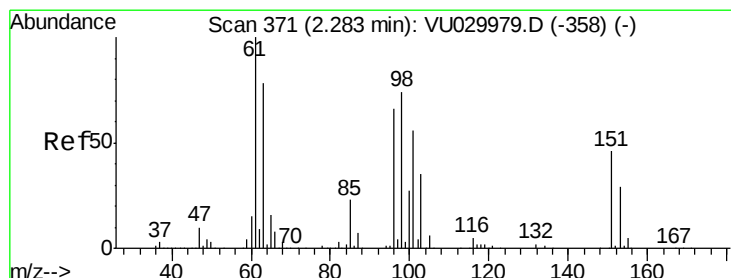
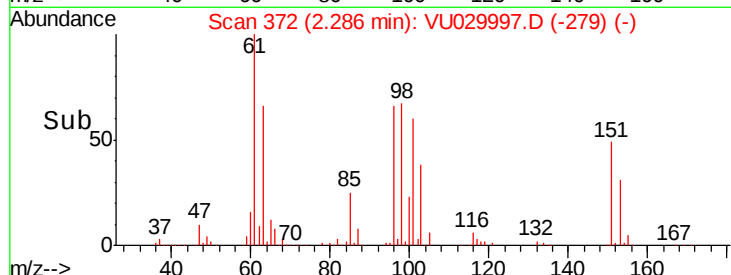
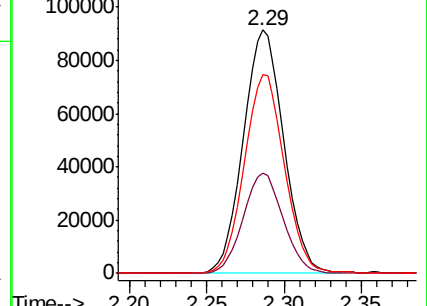
151 81.0 66.1 99.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.644 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

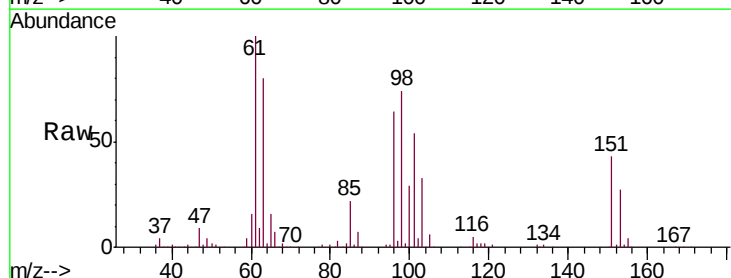
Tgt Ion: 96 Resp: 162145

Ion Ratio Lower Upper

96 100

61 155.9 110.4 205.0

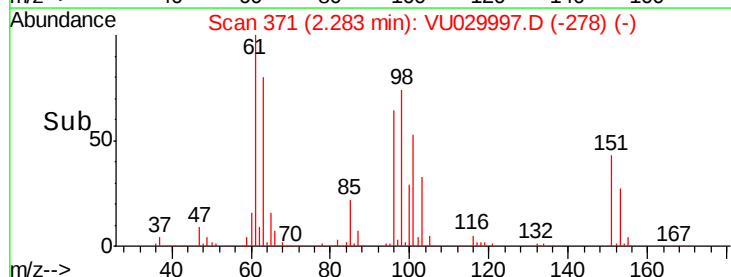
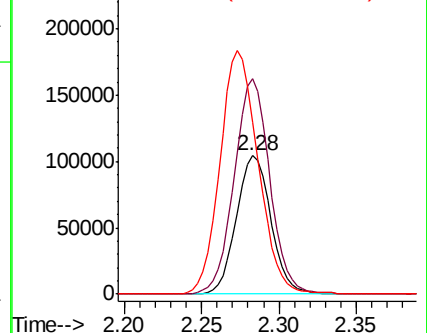
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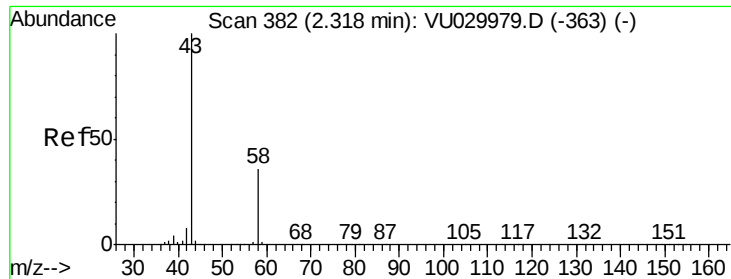


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 57.146 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

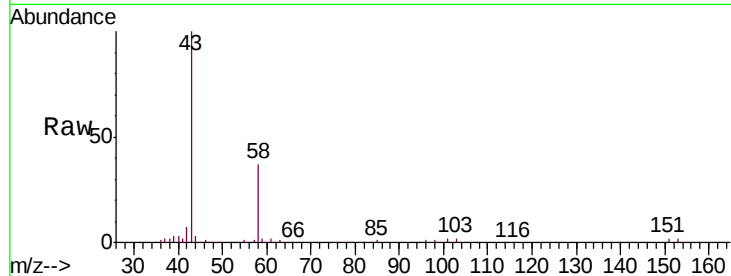
VSTD05031

Tgt Ion: 43 Resp: 172551

Ion Ratio Lower Upper

43 100

58 35.8 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU029997.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU029997.D (-363) (-)

120000

100000

80000

60000

40000

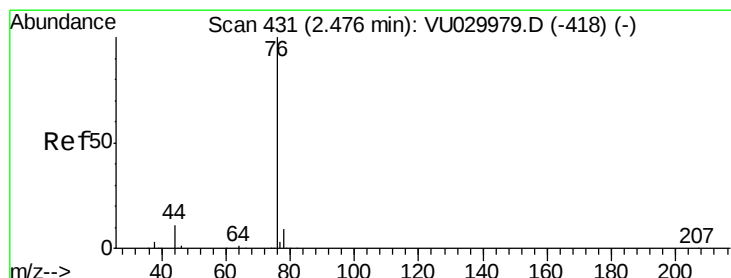
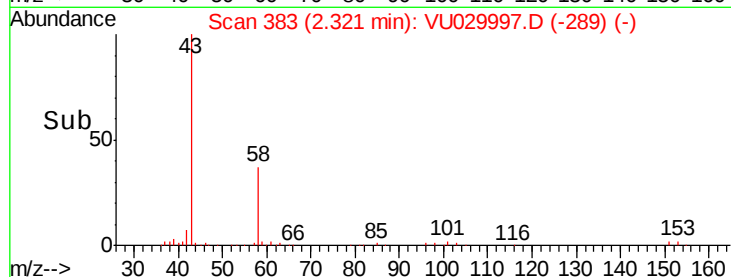
20000

0

2.32

2.30 2.35 2.40

Time-->



#14

Carbon disulfide

Concen: 48.953 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029997.D

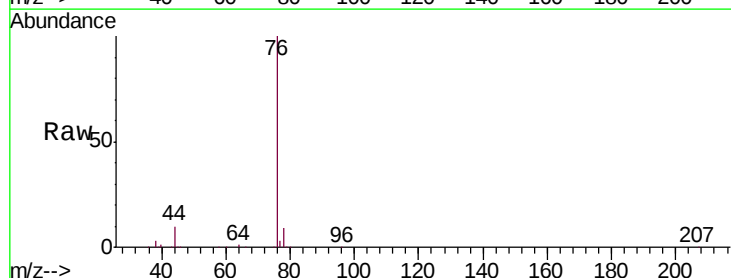
Acq: 12 Mar 2019 03:39

Tgt Ion: 76 Resp: 495565

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU029997.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU029997.D (-418) (-)

300000

200000

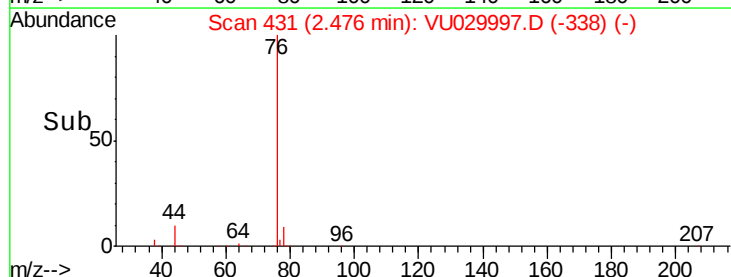
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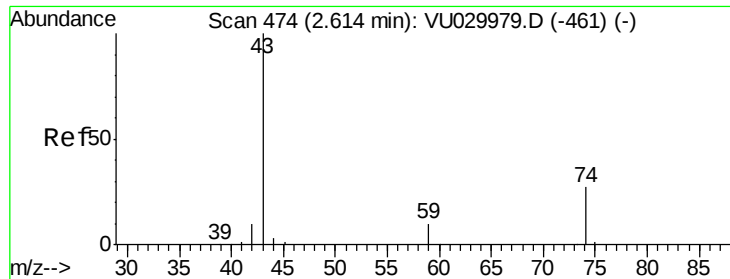
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2.48

2.40 2.45 2.50 2.55 2.60

Time-->

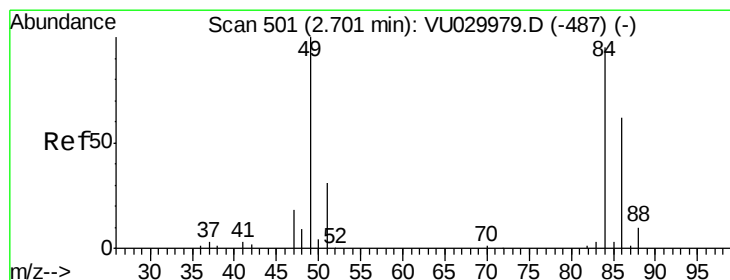
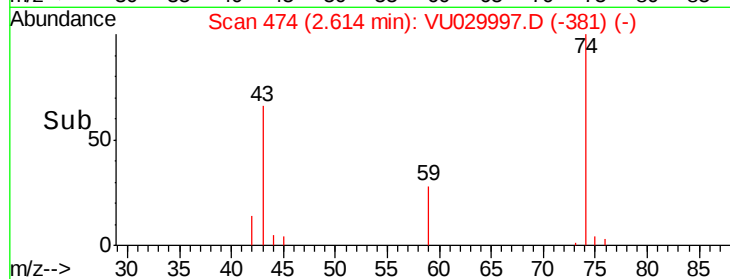
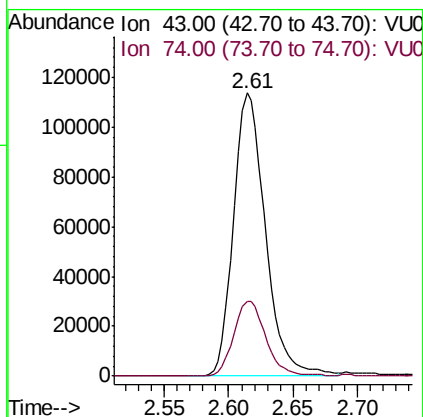
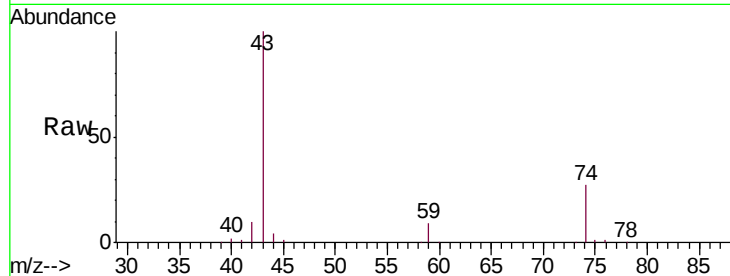




#15
Methyl Acetate
Concen: 49.955 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU029997.D
Acq: 12 Mar 2019 03:39

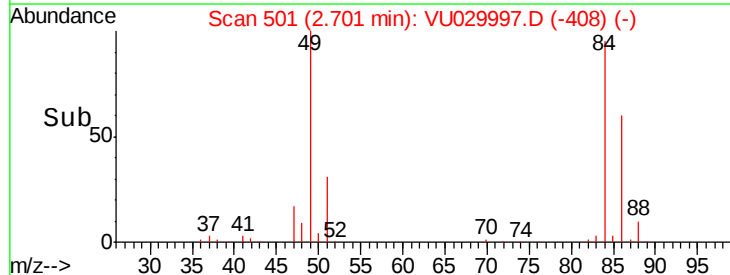
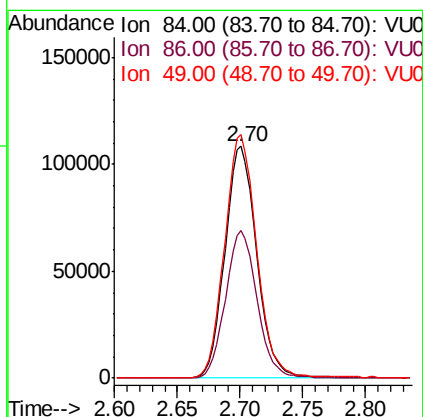
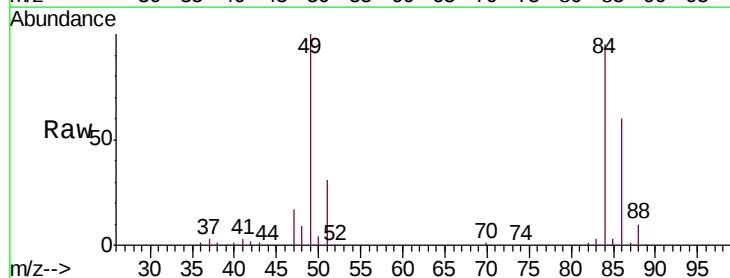
Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

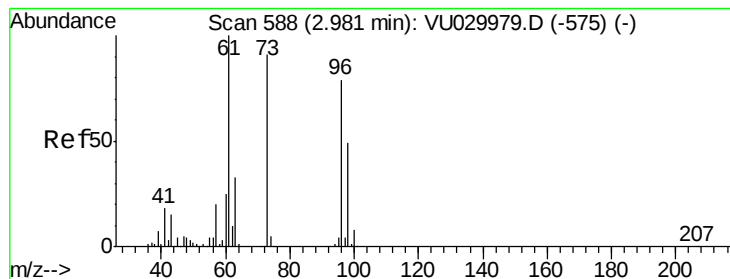
Tgt Ion: 43 Resp: 194878
Ion Ratio Lower Upper
43 100
74 26.9 21.9 32.9



#16
Methylene chloride
Concen: 49.424 ug/L
RT: 2.70 min Scan# 501
Delta R.T. -0.00 min
Lab File: VU029997.D
Acq: 12 Mar 2019 03:39

Tgt Ion: 84 Resp: 190615
Ion Ratio Lower Upper
84 100
86 63.5 45.2 84.0
49 105.0 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 49.445 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

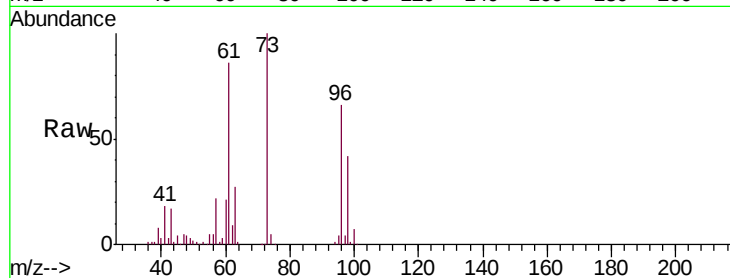
Tgt Ion: 96 Resp: 175872

Ion Ratio Lower Upper

96 100

61 129.3 89.4 166.0

98 63.6 43.3 80.5

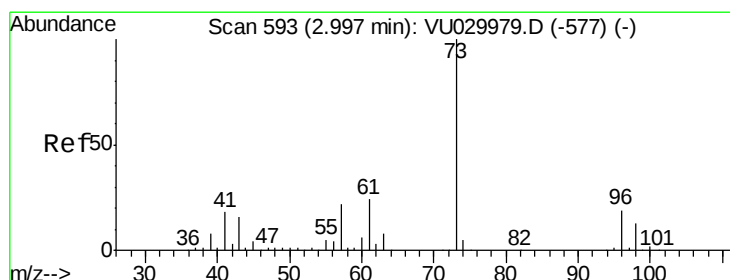
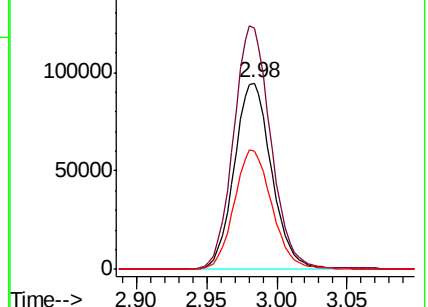
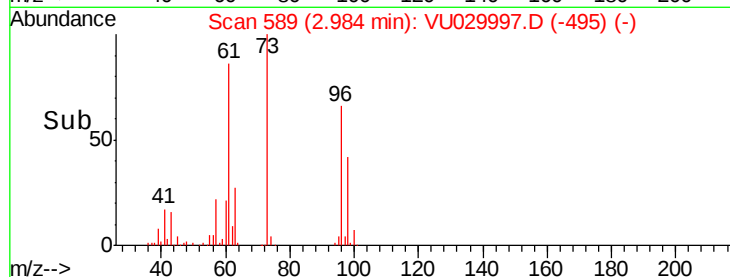


Abundance Ion 96.00 (95.70 to 96.70): VU029997.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VU029997.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VU029997.D (-575) (-)

Time-->



#18

Methyl tert-butyl Ether

Concen: 49.963 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

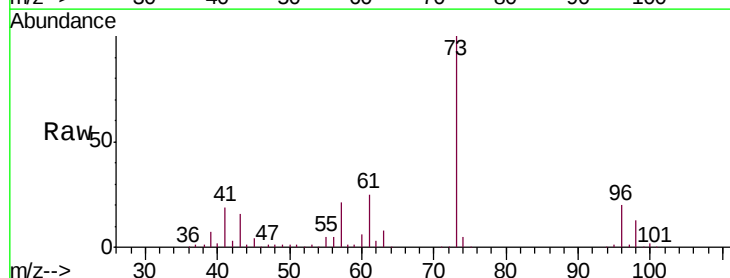
Tgt Ion: 73 Resp: 527077

Ion Ratio Lower Upper

73 100

43 16.5 13.1 19.7

57 21.3 17.1 25.7

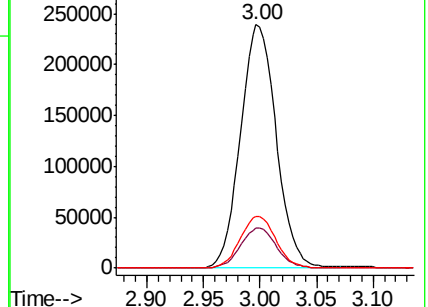
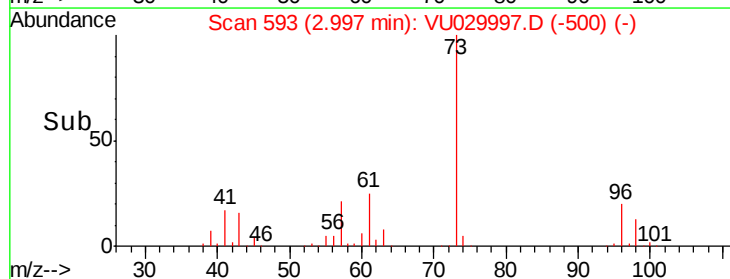


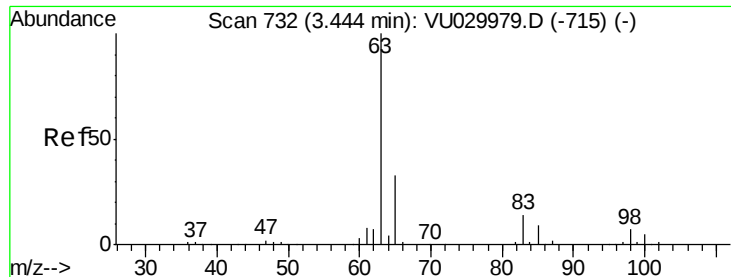
Abundance Ion 73.00 (72.70 to 73.70): VU029997.D (-577) (-)

Ion 43.00 (42.70 to 43.70): VU029997.D (-577) (-)

Ion 57.00 (56.70 to 57.70): VU029997.D (-577) (-)

Time-->

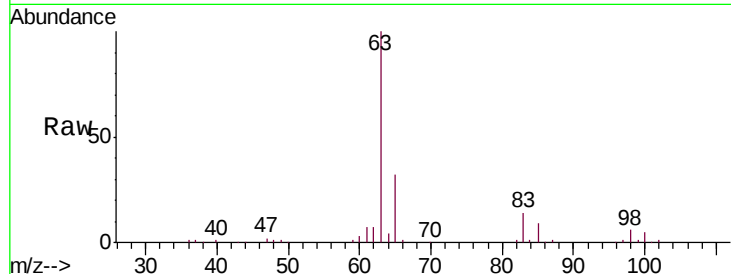




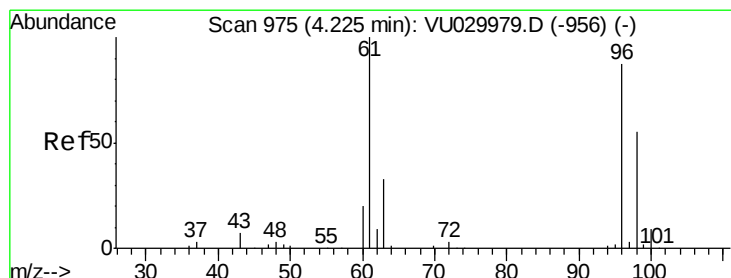
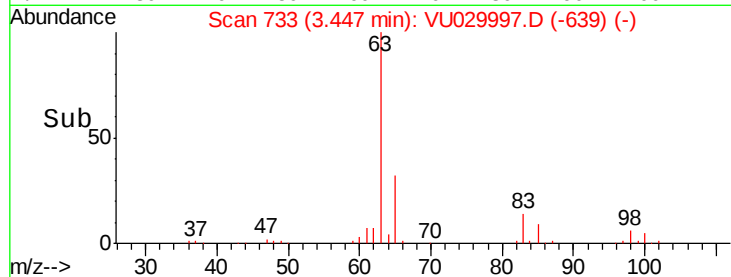
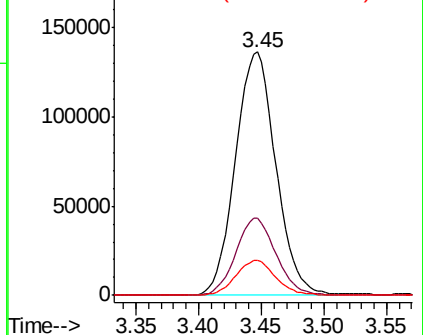
#19
 1,1-Dichloroethane
 Concen: 50.146 ug/L
 RT: 3.45 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: VU029997.D
 Acq: 12 Mar 2019 03:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

Tgt Ion: 63 Resp: 306243
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.0 41.0
 83 14.5 9.7 18.1

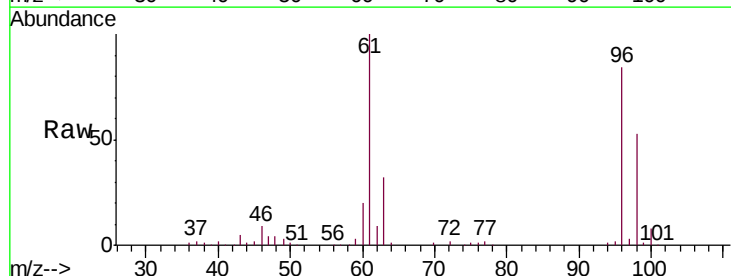


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

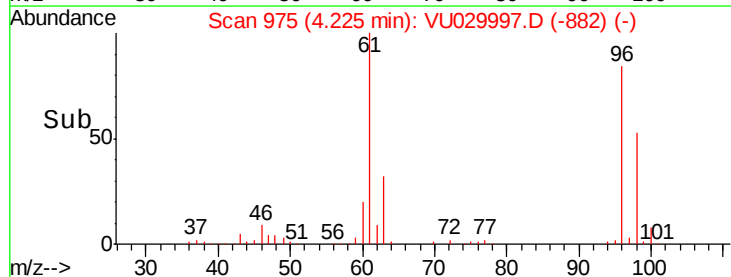
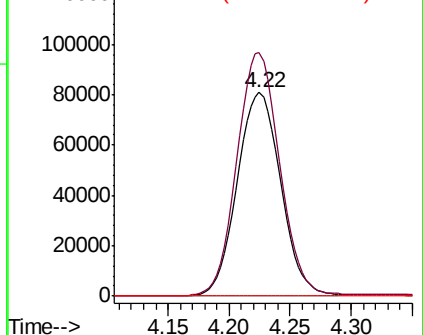


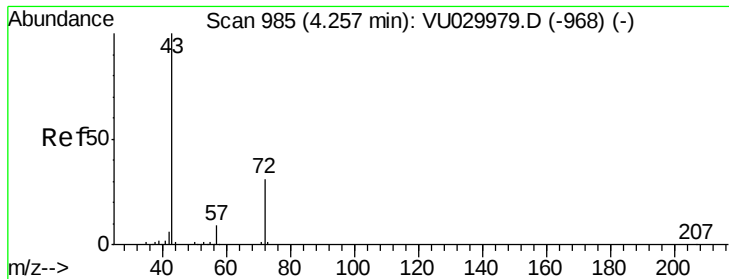
#20
 cis-1,2-Dichloroethene
 Concen: 49.523 ug/L
 RT: 4.22 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: VU029997.D
 Acq: 12 Mar 2019 03:39

Tgt Ion: 96 Resp: 200530
 Ion Ratio Lower Upper
 96 100
 61 119.6 80.8 150.2
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 80.481 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

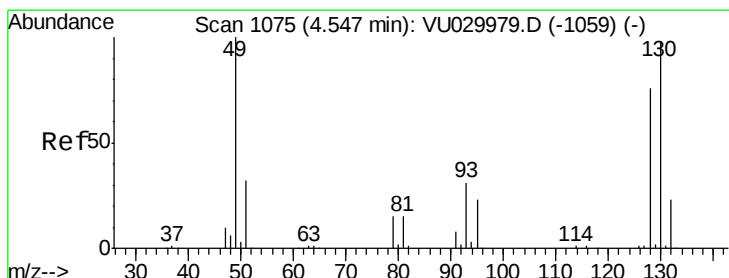
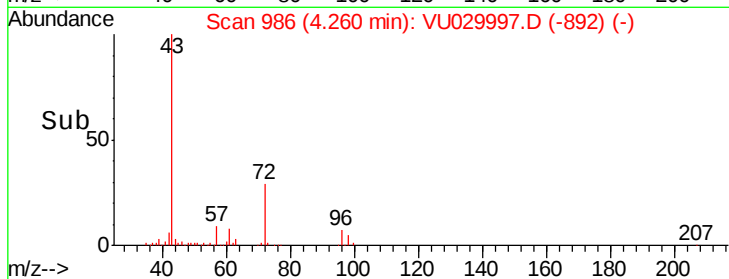
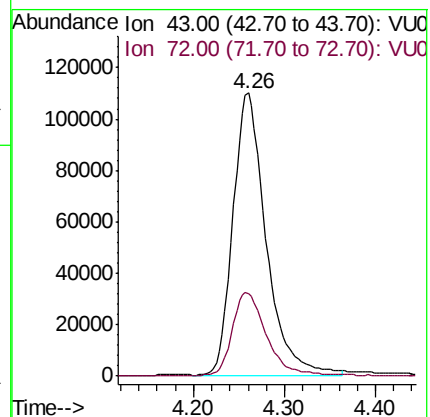
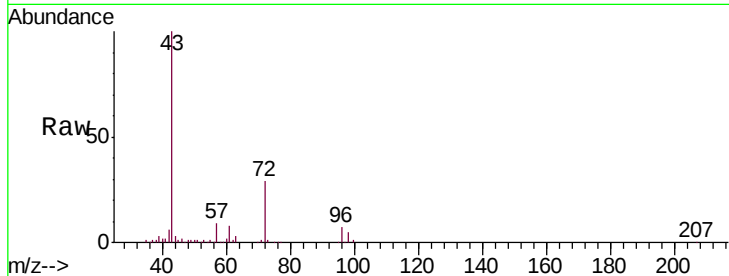
VSTD05031

Tgt Ion: 43 Resp: 276658

Ion Ratio Lower Upper

43 100

72 31.0 15.3 45.9



#23

Bromochloromethane

Concen: 50.187 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Tgt Ion: 128 Resp: 105269

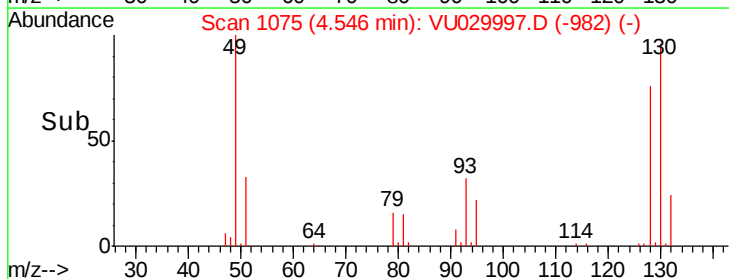
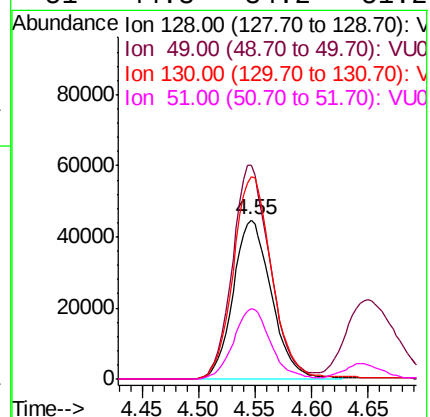
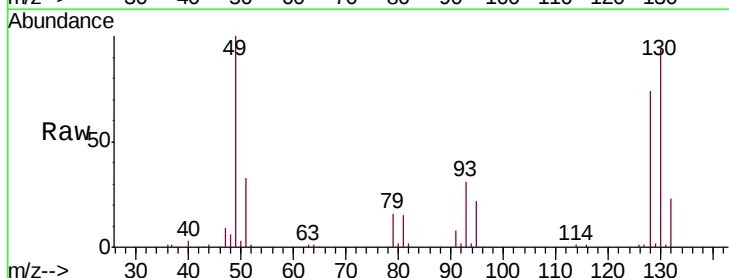
Ion Ratio Lower Upper

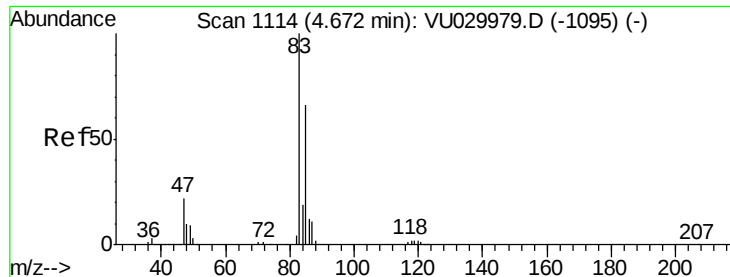
128 100

49 134.3 94.5 175.5

130 126.8 91.4 169.8

51 44.3 34.2 51.2

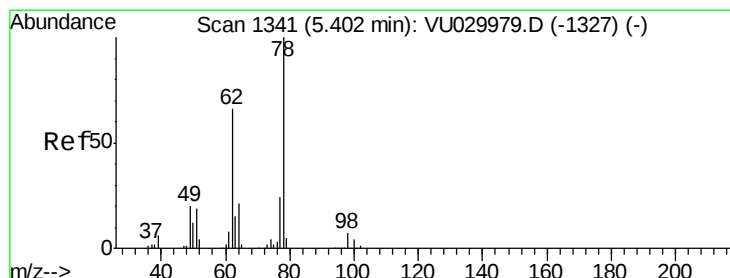
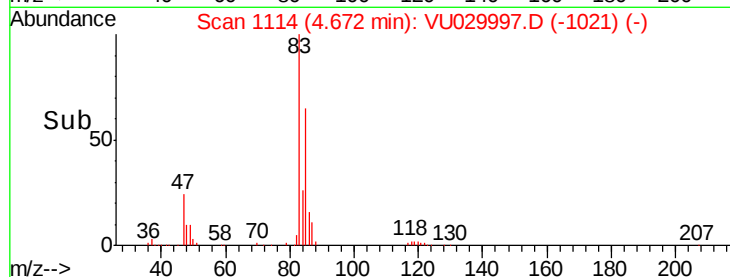
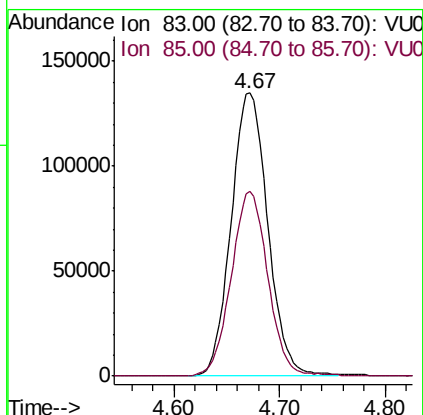
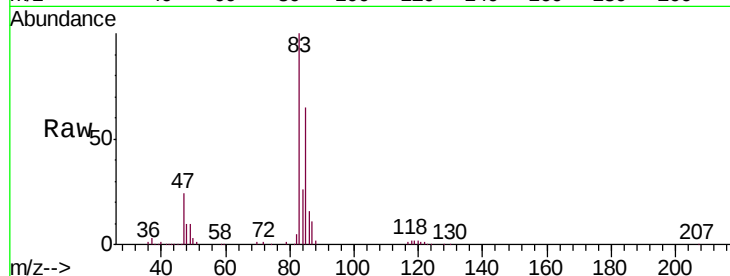




#25
Chloroform
Concen: 50.779 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VU029997.D
Acq: 12 Mar 2019 03:39

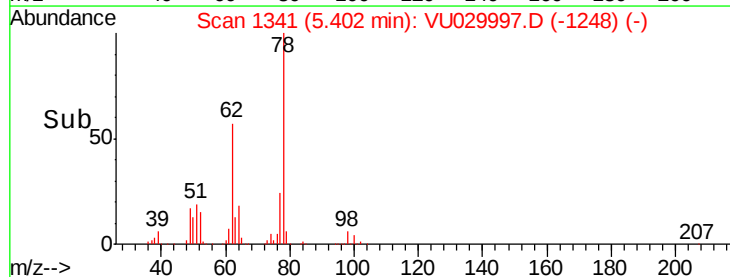
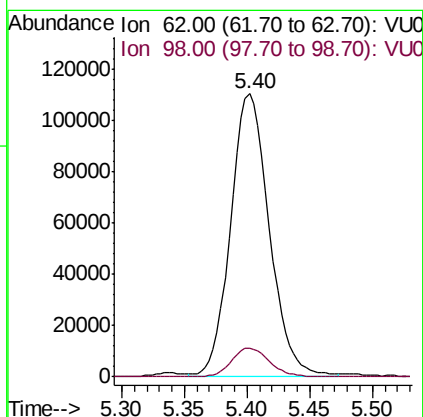
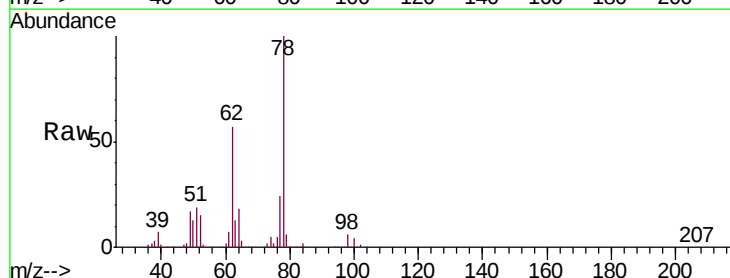
Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

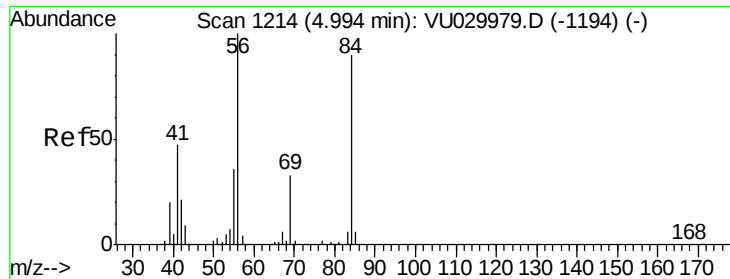
Tgt Ion: 83 Resp: 325479
Ion Ratio Lower Upper
83 100
85 65.1 44.9 83.5



#27
1,2-Dichloroethane
Concen: 51.553 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU029997.D
Acq: 12 Mar 2019 03:39

Tgt Ion: 62 Resp: 237572
Ion Ratio Lower Upper
62 100
98 10.1 8.8 13.2

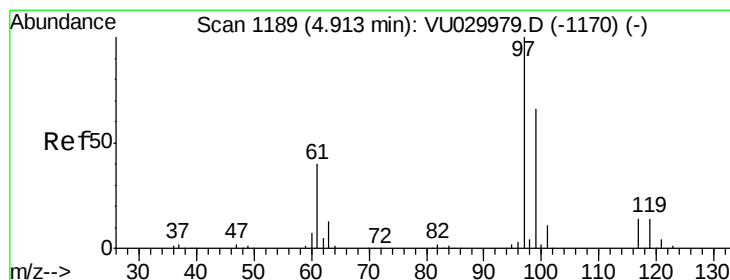
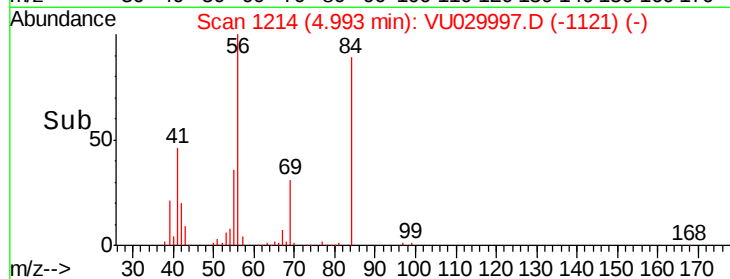
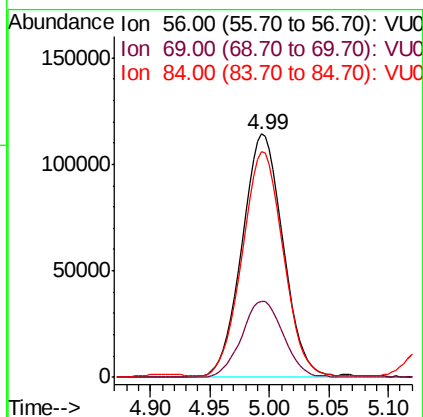
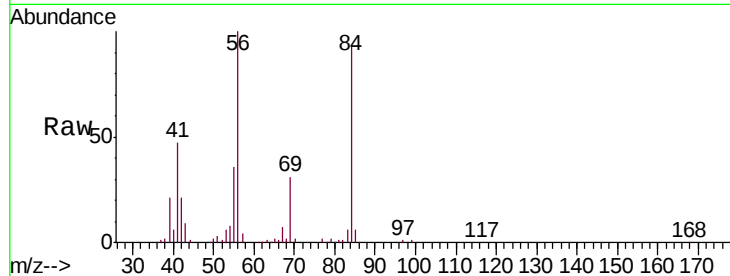




#29
Cyclohexane
Concen: 48.650 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU029997.D
Acq: 12 Mar 2019 03:39

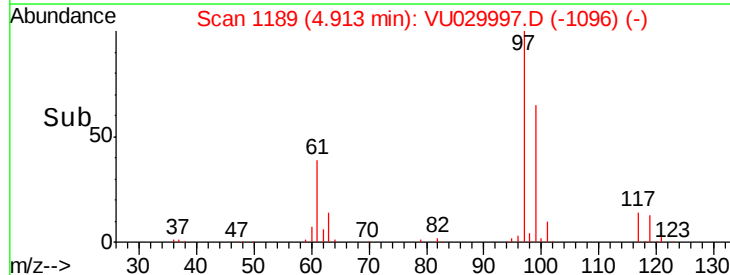
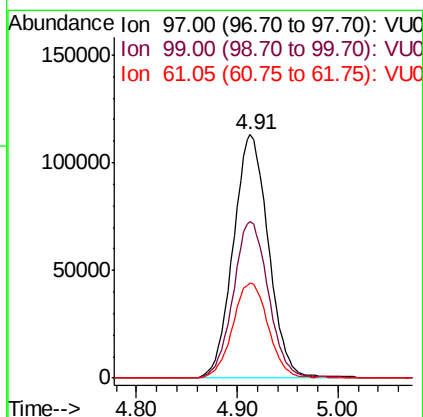
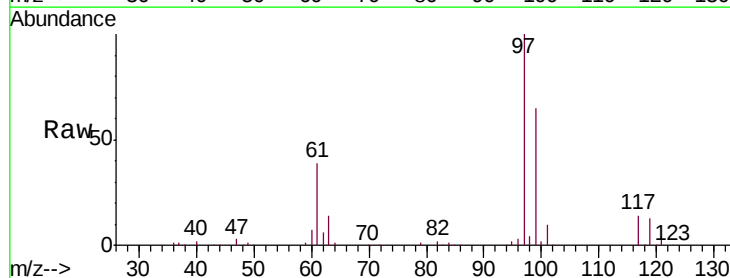
Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

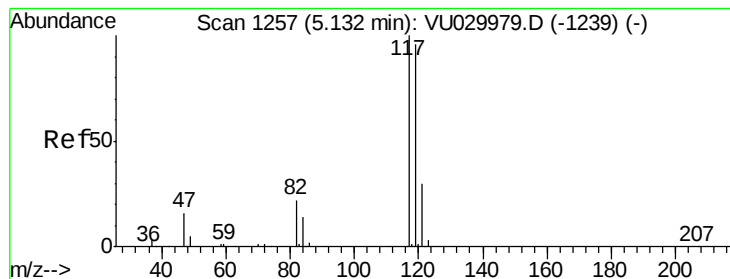
Tgt Ion: 56 Resp: 273984
Ion Ratio Lower Upper
56 100
69 31.7 25.3 37.9
84 91.6 73.5 110.3



#30
1,1,1-Trichloroethane
Concen: 49.084 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU029997.D
Acq: 12 Mar 2019 03:39

Tgt Ion: 97 Resp: 273608
Ion Ratio Lower Upper
97 100
99 64.2 52.2 78.2
61 39.4 32.2 48.4





#31

Carbon tetrachloride

Concen: 49.811 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

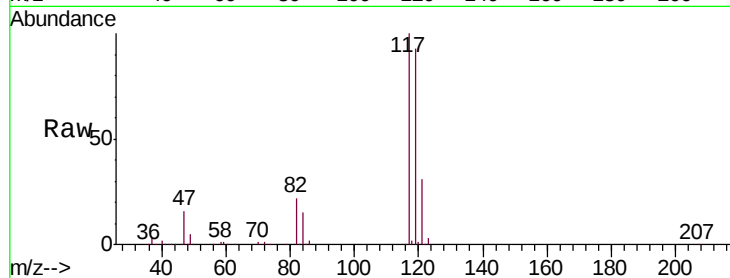
VSTD05031

Tgt Ion:117 Resp: 245185

Ion Ratio Lower Upper

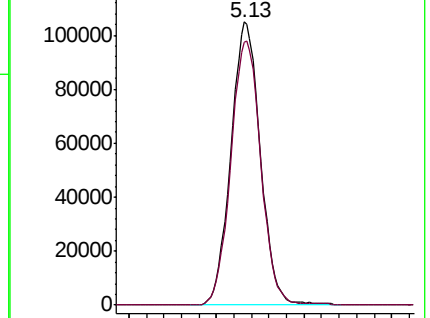
117 100

119 94.6 77.3 115.9

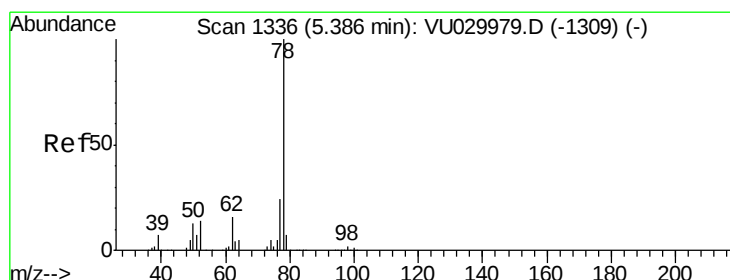
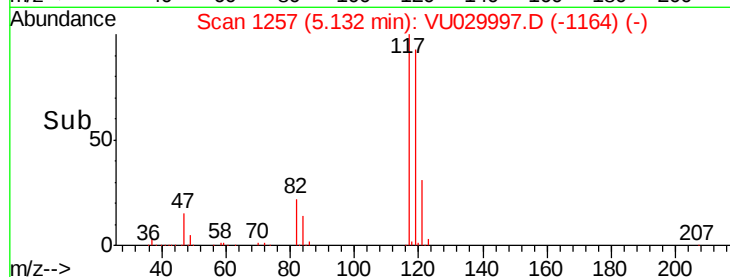


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#33

Benzene

Concen: 50.015 ug/L

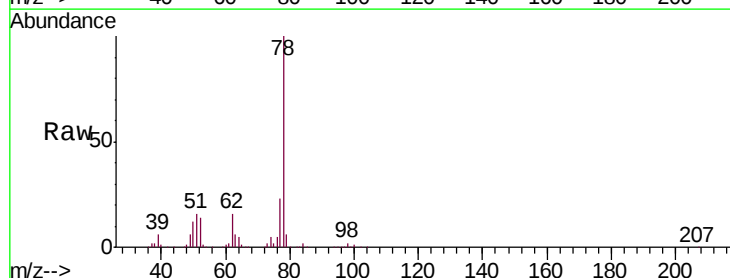
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

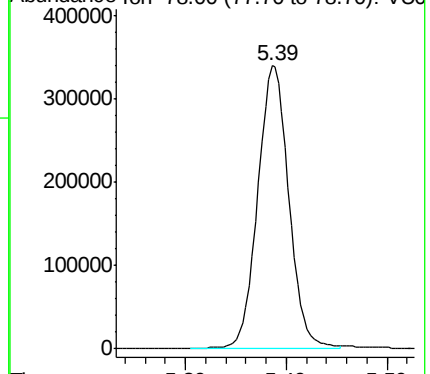
Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

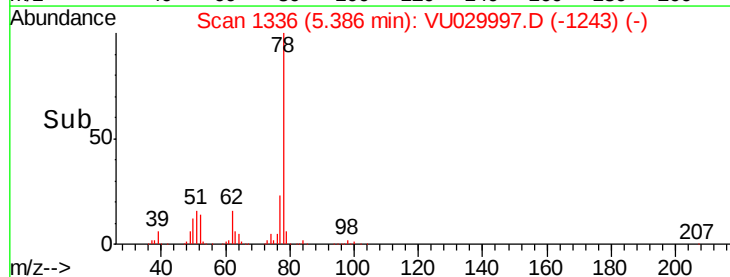
Tgt Ion: 78 Resp: 730797

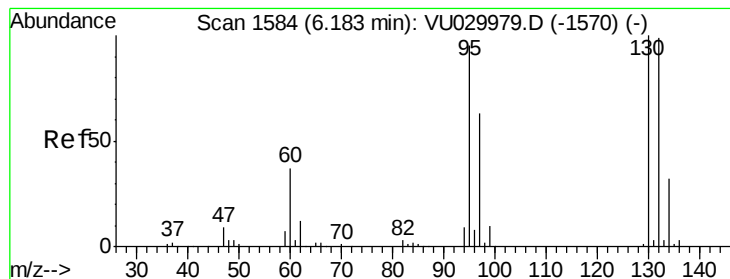


Abundance Ion 78.00 (77.70 to 78.70): VU0



Time-->





#34

Trichloroethene

Concen: 49.501 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

Tgt Ion: 95 Resp: 189563

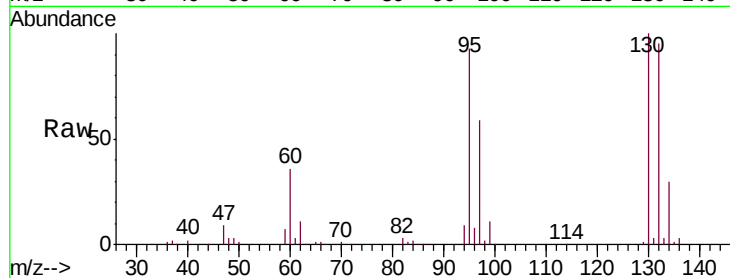
Ion Ratio Lower Upper

95 100

97 63.7 45.5 84.5

132 101.4 71.5 132.7

130 107.1 73.5 136.5

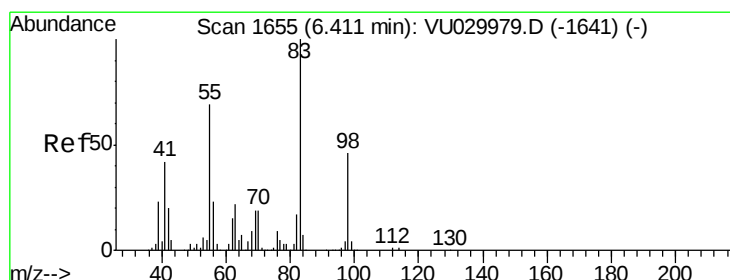
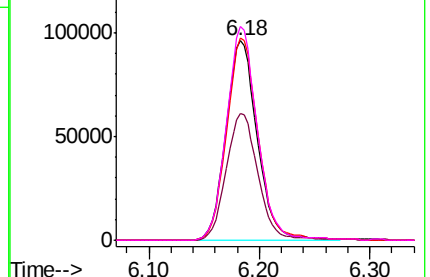
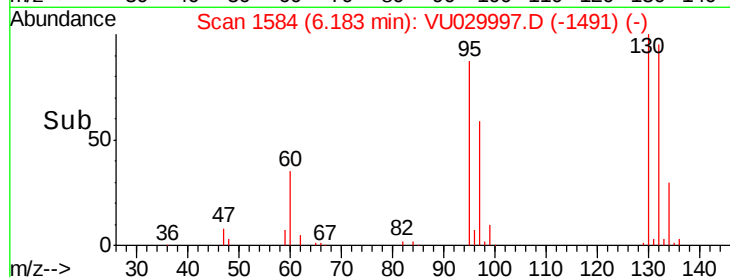


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 47.951 ug/L

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

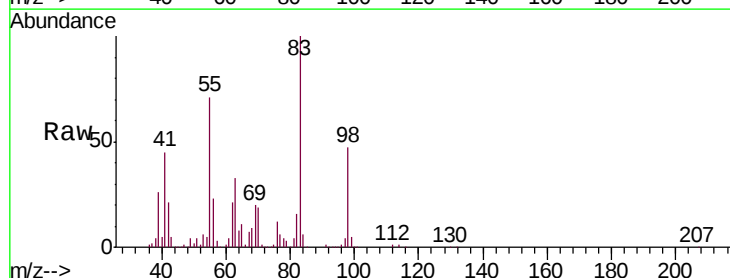
Tgt Ion: 83 Resp: 297770

Ion Ratio Lower Upper

83 100

55 71.2 56.6 84.8

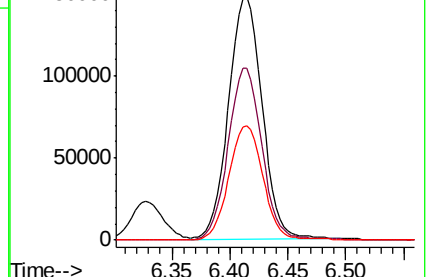
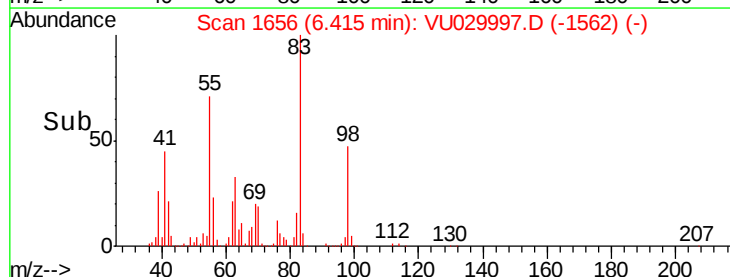
98 48.3 37.8 56.6

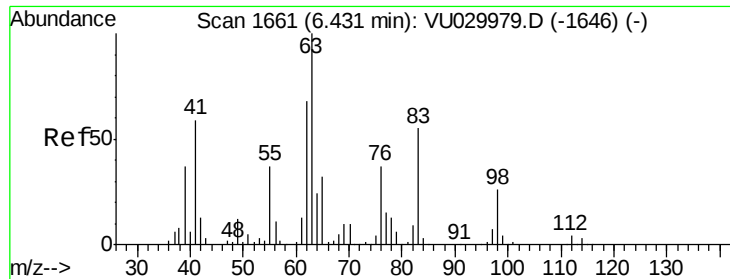


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

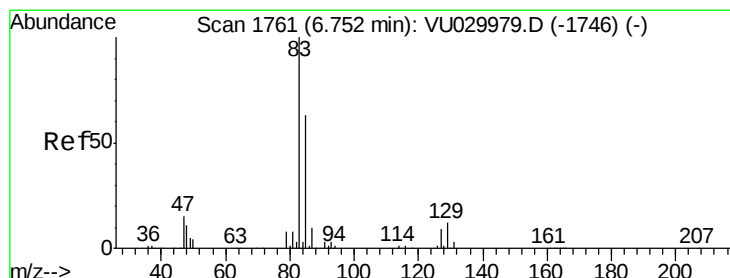
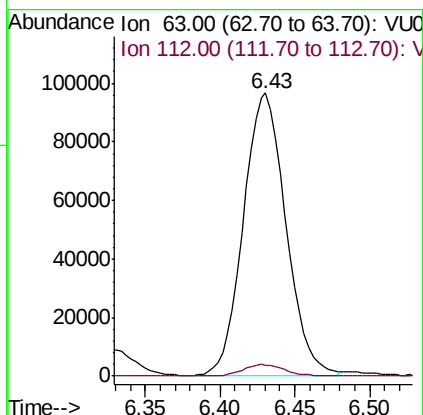
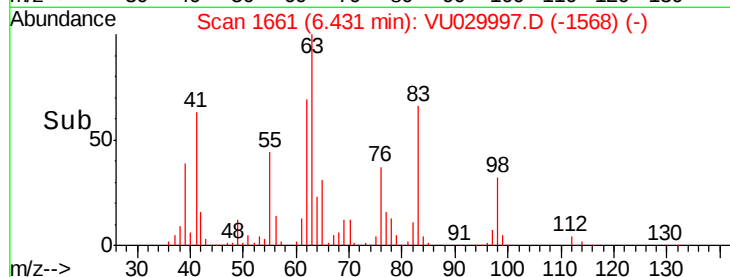
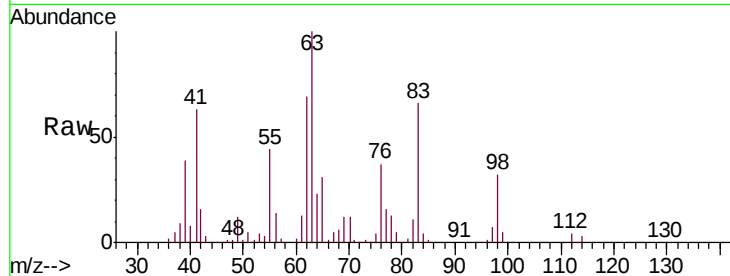




#37
 1,2-Dichloropropane
 Concen: 49.460 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU029997.D
 Acq: 12 Mar 2019 03:39

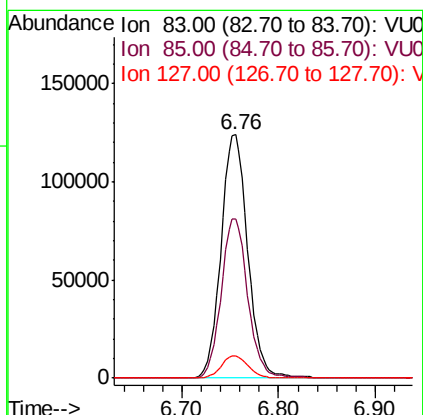
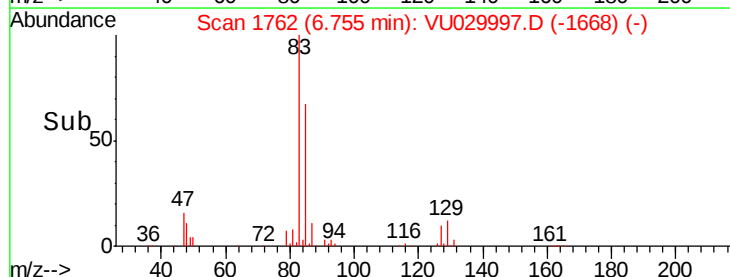
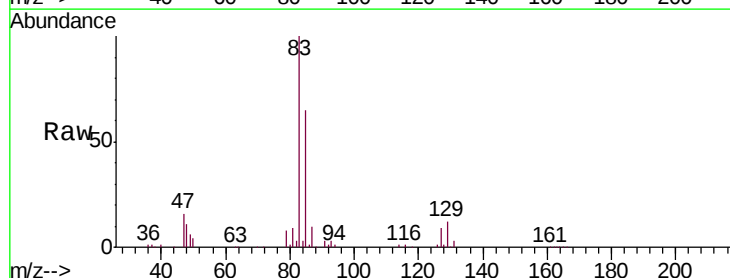
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

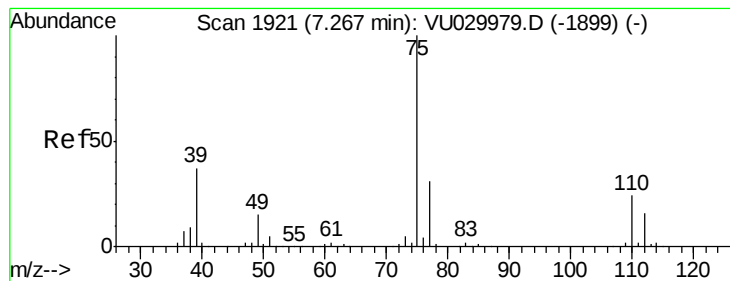
Tgt Ion: 63 Resp: 190094
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#38
 Bromodichloromethane
 Concen: 49.802 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU029997.D
 Acq: 12 Mar 2019 03:39

Tgt Ion: 83 Resp: 238017
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.7 84.9
 127 9.2 7.7 11.5



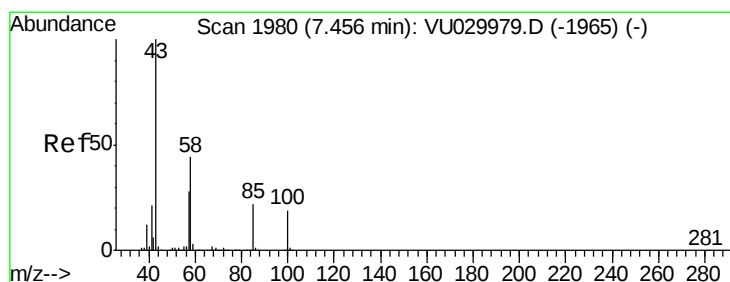
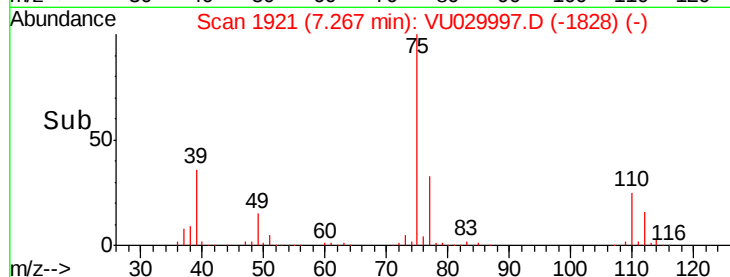
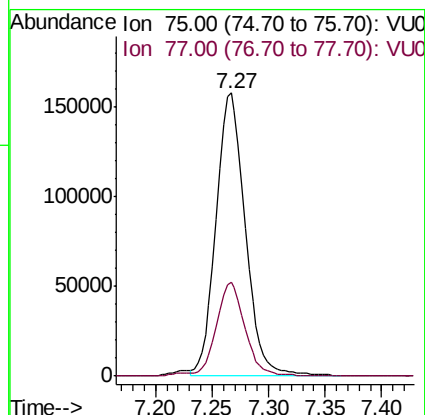
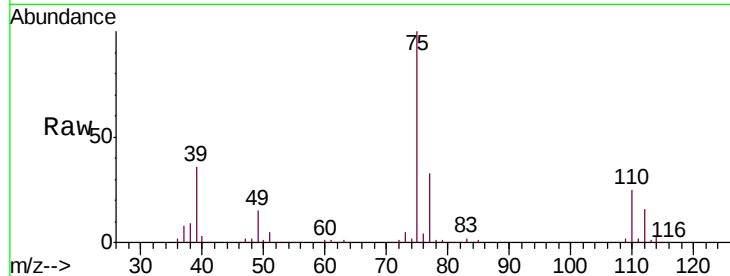


#39

cis-1,3-Dichloropropene
 Concen: 47.021 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029997.D
 Acq: 12 Mar 2019 03:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

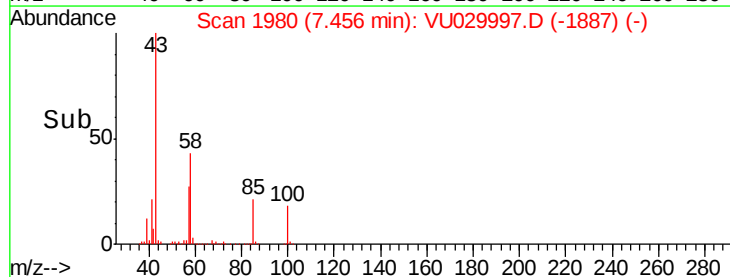
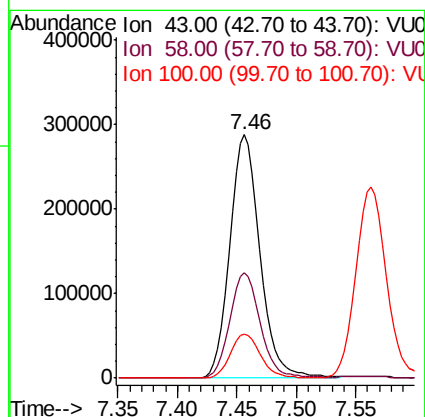
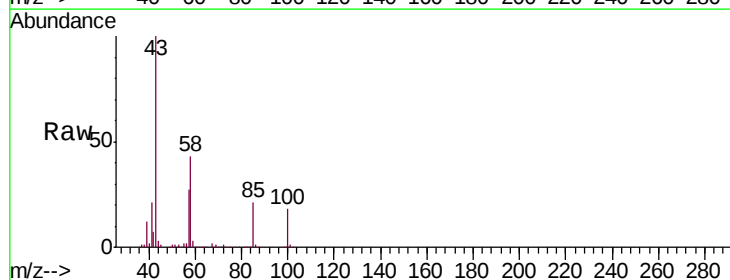
Tgt Ion: 75 Resp: 281232
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.2 41.2

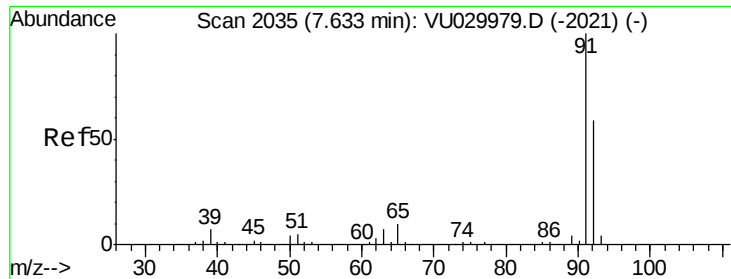


#40

4-Methyl-2-pentanone
 Concen: 97.689 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU029997.D
 Acq: 12 Mar 2019 03:39

Tgt Ion: 43 Resp: 506949
 Ion Ratio Lower Upper
 43 100
 58 43.8 35.1 52.7
 100 18.0 14.4 21.6





#42

Toluene

Concen: 50.028 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

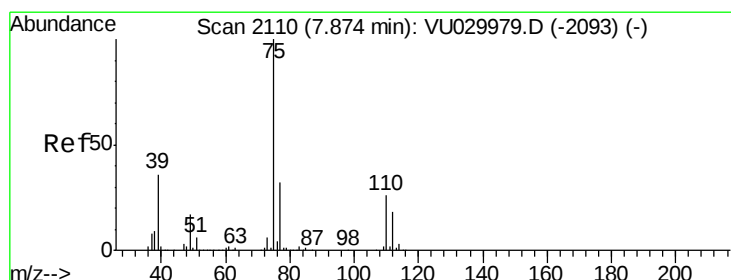
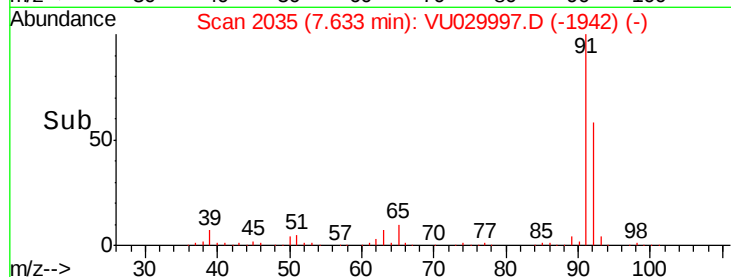
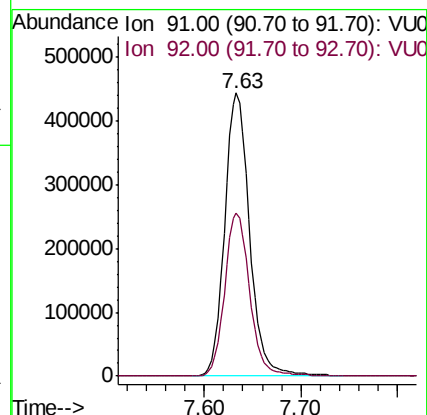
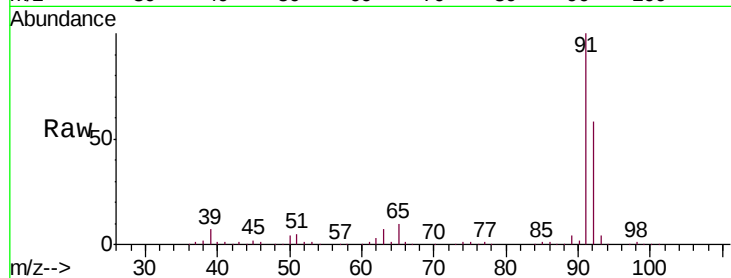
VSTD05031

Tgt Ion: 91 Resp: 794759

Ion Ratio Lower Upper

91 100

92 57.8 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 48.052 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029997.D

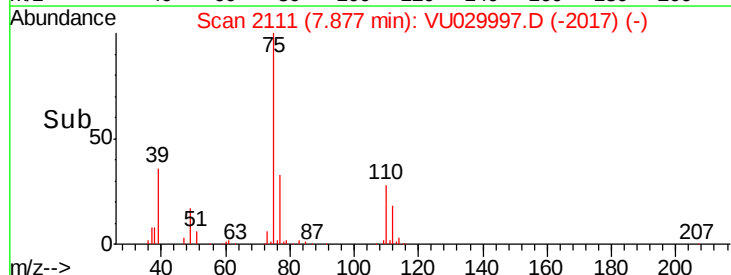
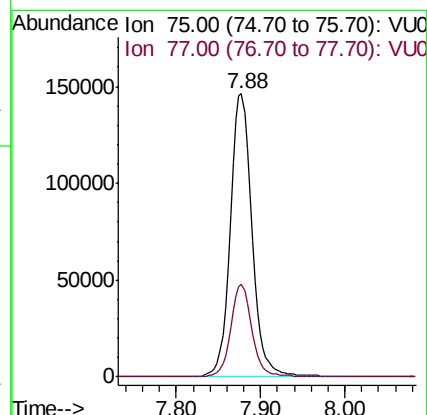
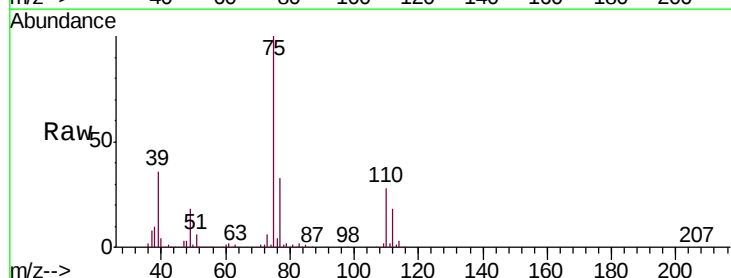
Acq: 12 Mar 2019 03:39

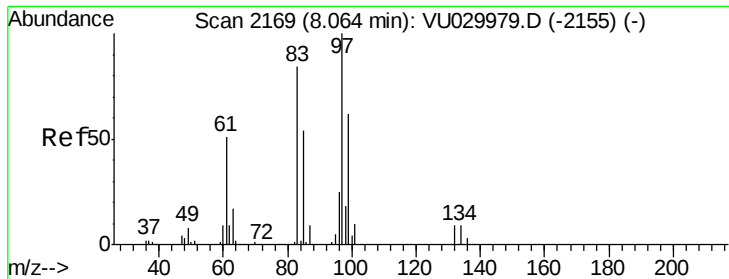
Tgt Ion: 75 Resp: 262408

Ion Ratio Lower Upper

75 100

77 32.7 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 50.161 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

Tgt Ion: 97 Resp: 192801

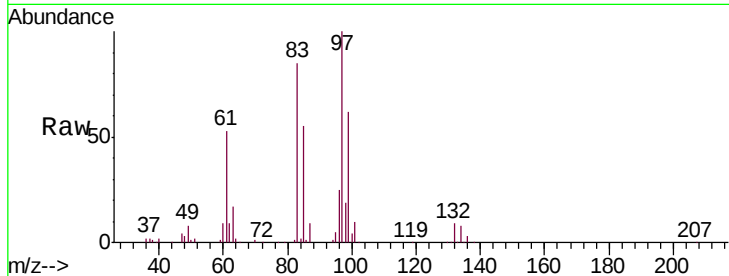
Ion Ratio Lower Upper

97 100

99 62.2 44.7 82.9

83 85.2 58.6 108.8

85 55.1 38.1 70.7

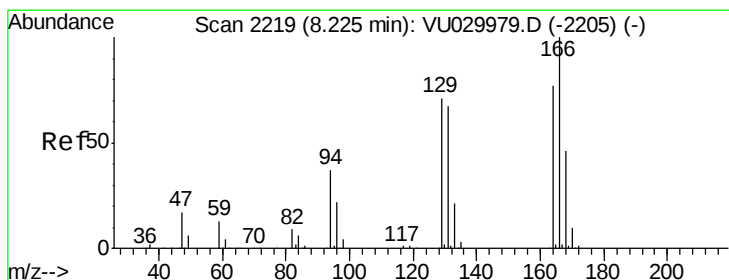
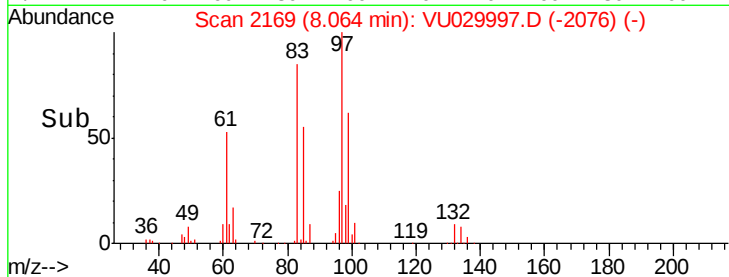
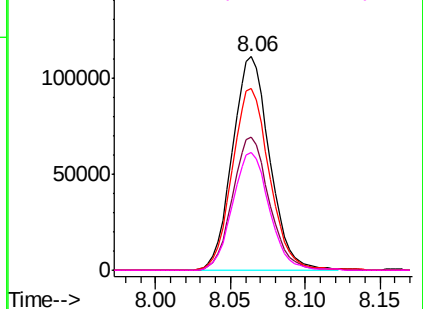


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 48.885 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Tgt Ion:164 Resp: 163829

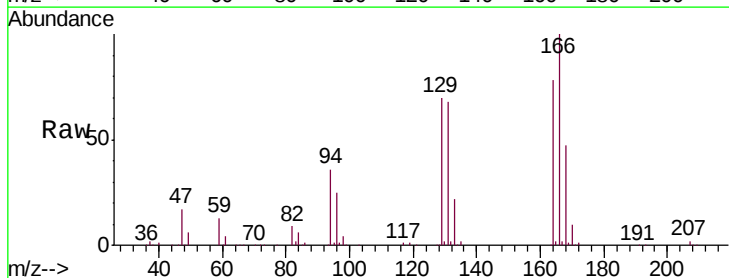
Ion Ratio Lower Upper

164 100

129 89.5 63.3 117.7

131 87.3 62.0 115.2

166 127.5 90.5 168.1

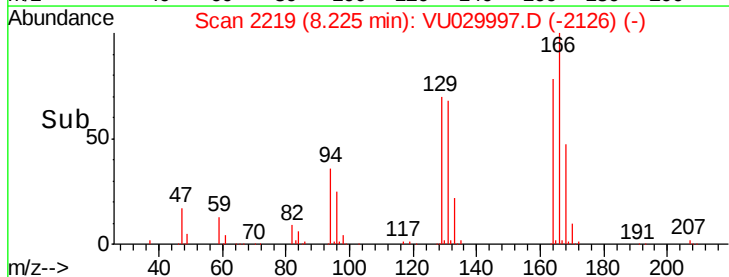
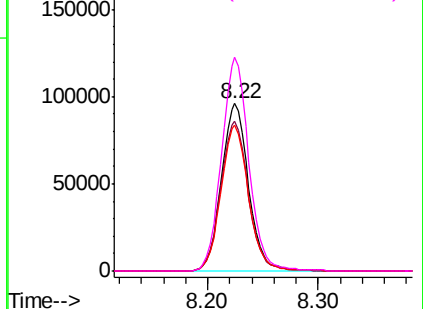


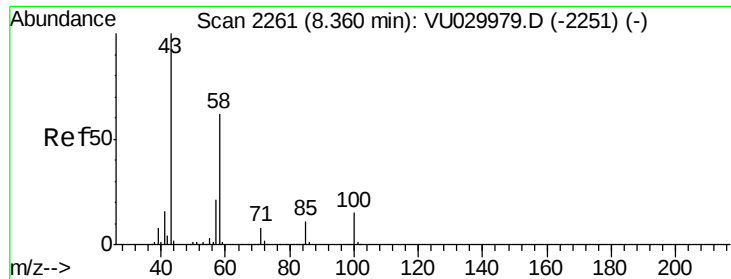
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

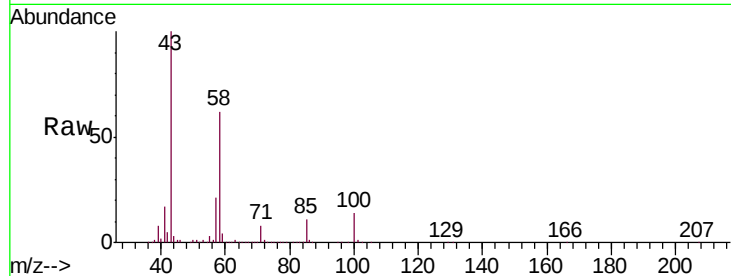




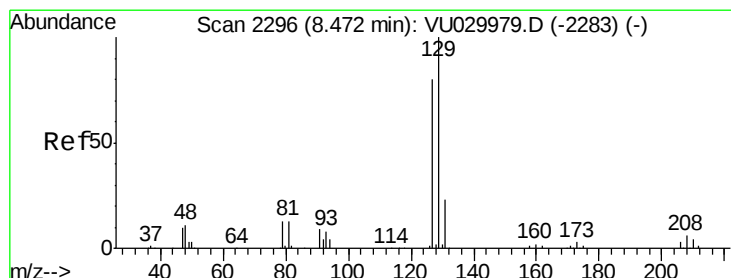
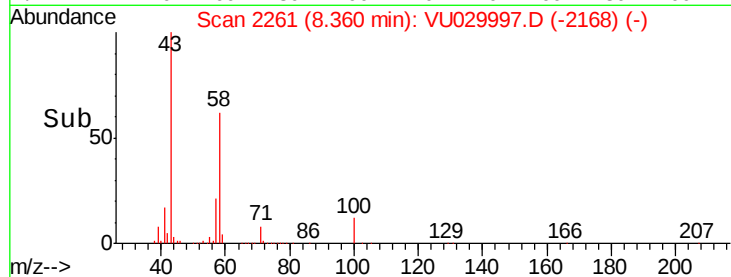
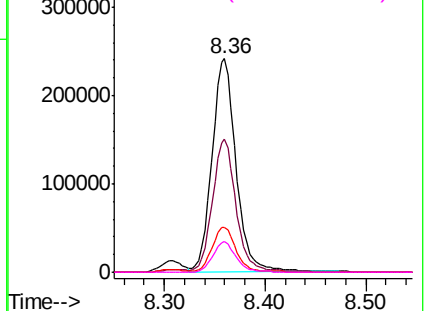
#48
2-Hexanone
Concen: 90.259 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU029997.D
Acq: 12 Mar 2019 03:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

Tgt Ion:	43	Resp:	399590
Ion	Ratio	Lower	Upper
43	100		
58	61.3	48.6	72.8
57	20.7	16.1	24.1
100	14.0	11.6	17.4

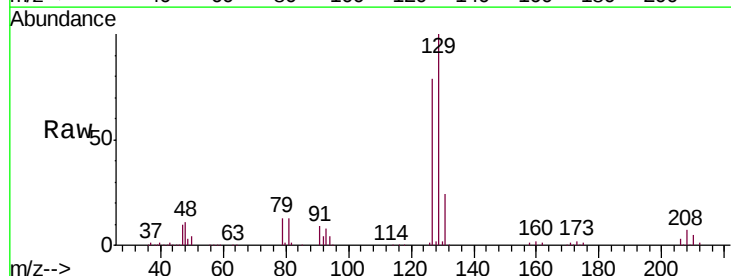


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

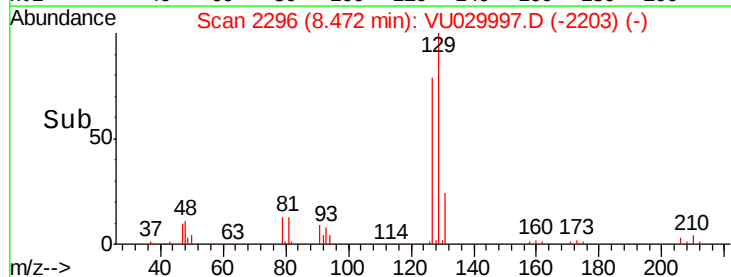
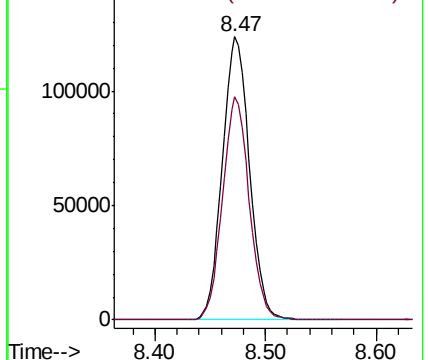


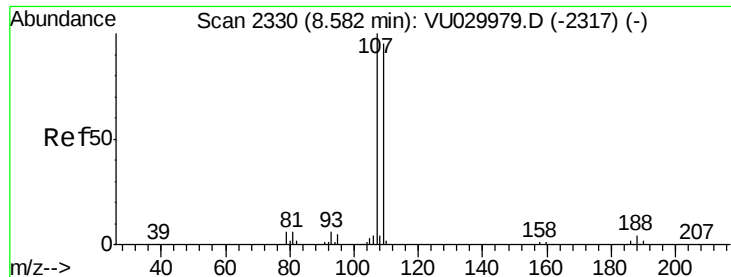
#49
Dibromochloromethane
Concen: 49.314 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029997.D
Acq: 12 Mar 2019 03:39

Tgt Ion:	129	Resp:	211771
Ion	Ratio	Lower	Upper
129	100		
127	78.8	55.2	102.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 48.904 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

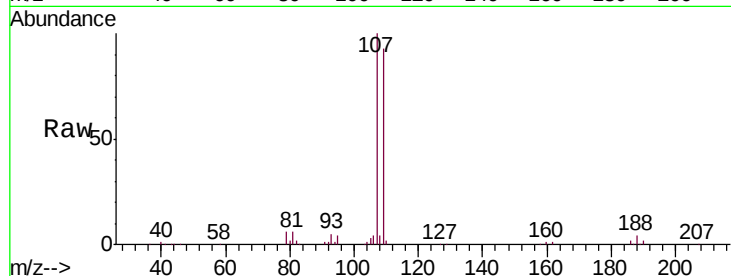
Tgt Ion:107 Resp: 207188

Ion Ratio Lower Upper

107 100

109 92.7 67.8 126.0

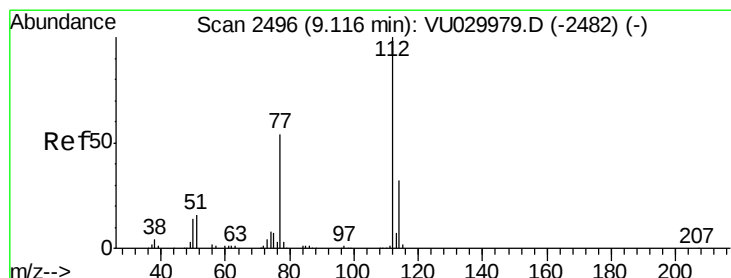
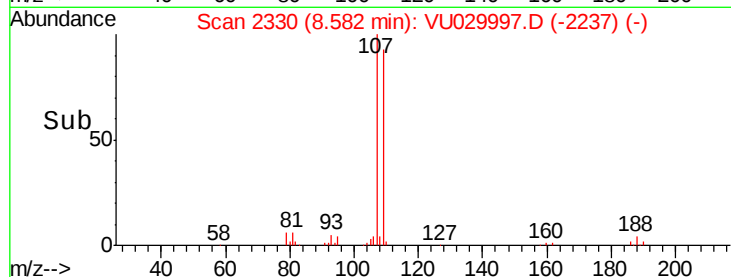
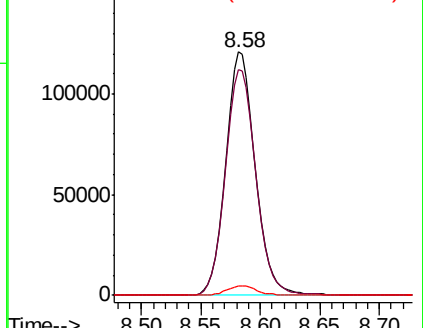
188 3.9 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 49.088 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

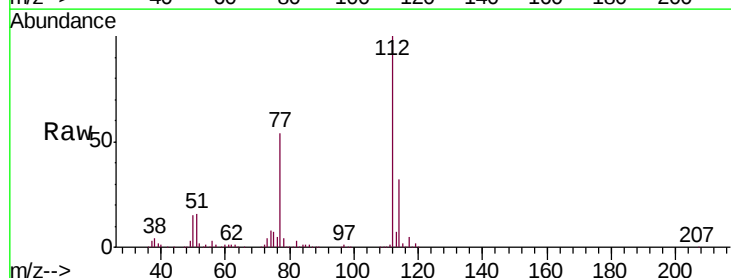
Tgt Ion:112 Resp: 525744

Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.9

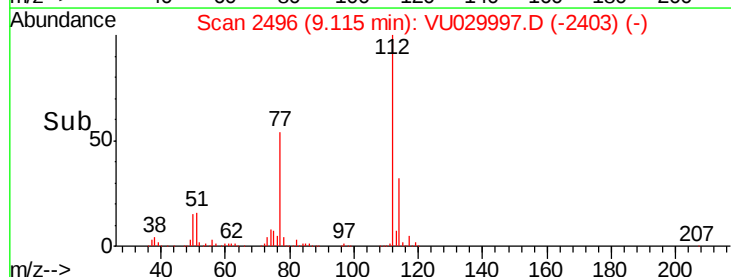
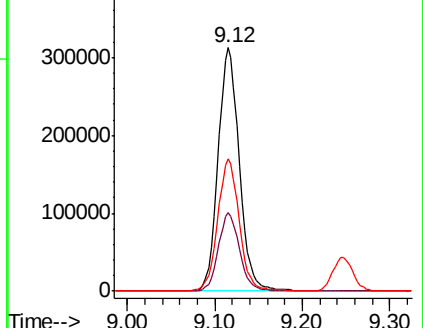
77 54.2 44.6 66.8

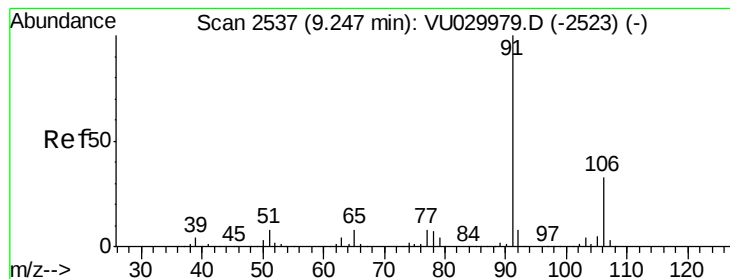


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 49.416 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

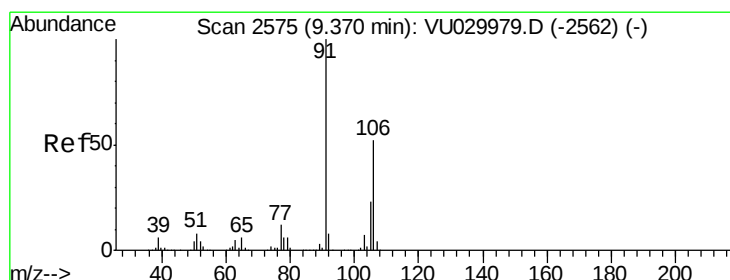
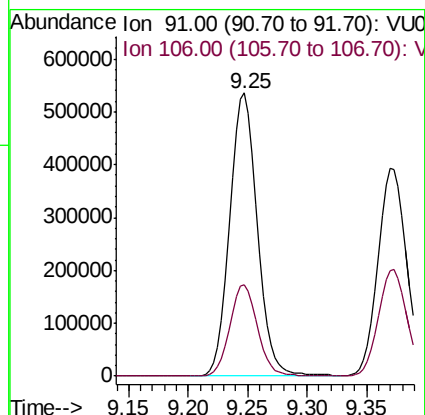
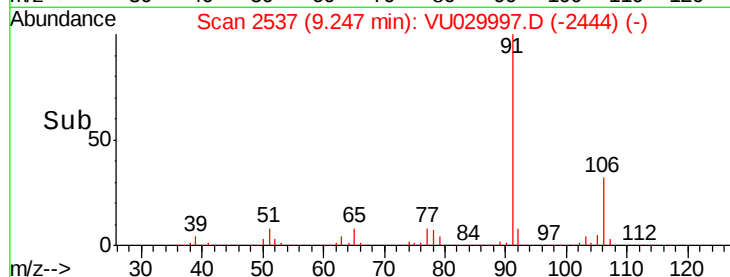
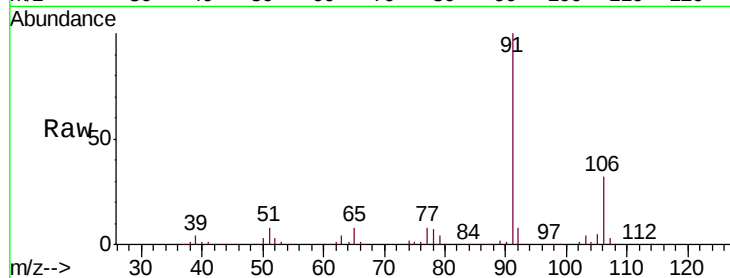
VSTD05031

Tgt Ion: 91 Resp: 864214

Ion Ratio Lower Upper

91 100

106 32.3 22.5 41.9



#53

m,p-Xylene

Concen: 49.582 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029997.D

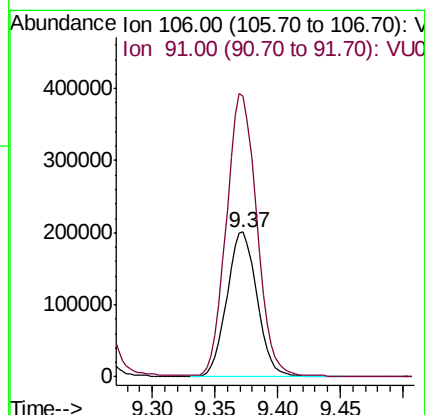
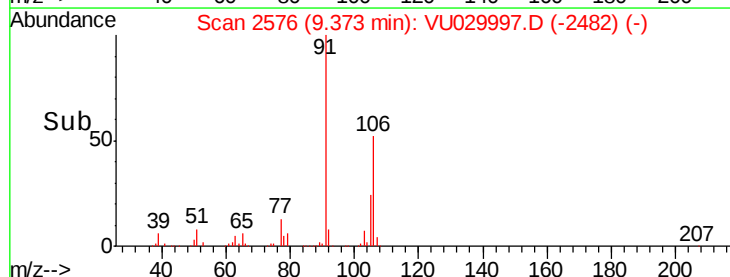
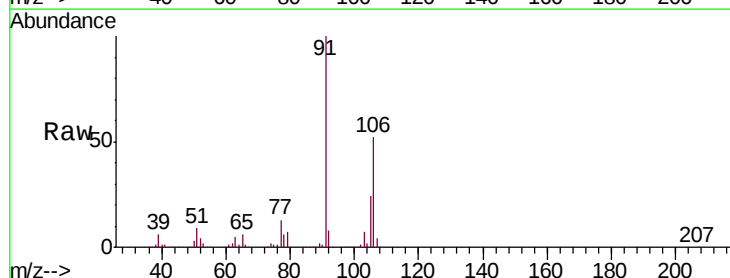
Acq: 12 Mar 2019 03:39

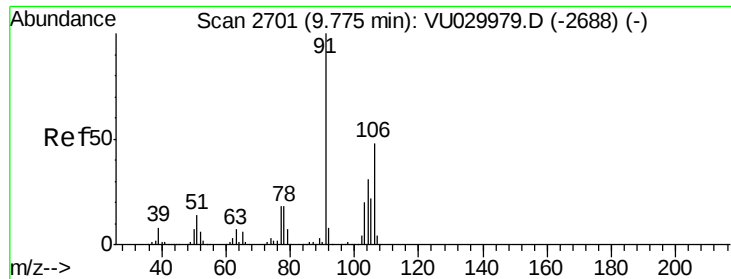
Tgt Ion: 106 Resp: 335487

Ion Ratio Lower Upper

106 100

91 194.0 135.1 250.9





#54

o-xylene

Concen: 50.426 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

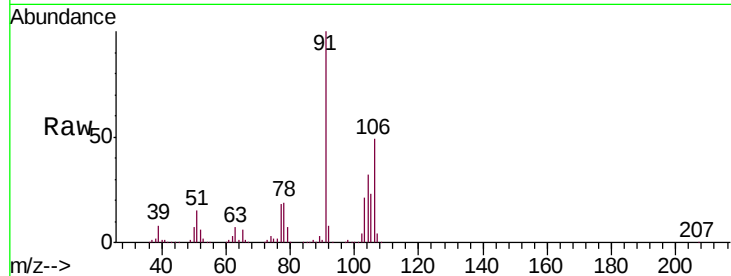
VSTD05031

Tgt Ion:106 Resp: 335132

Ion Ratio Lower Upper

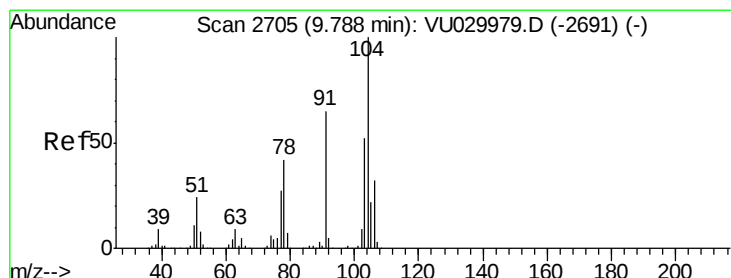
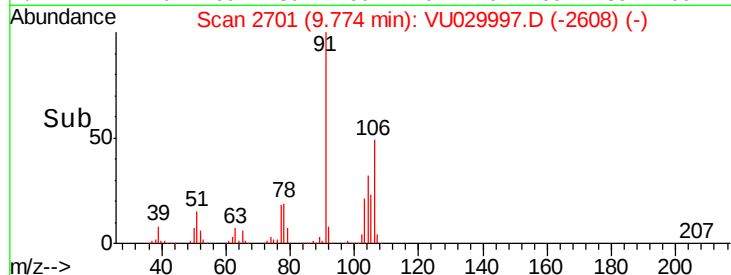
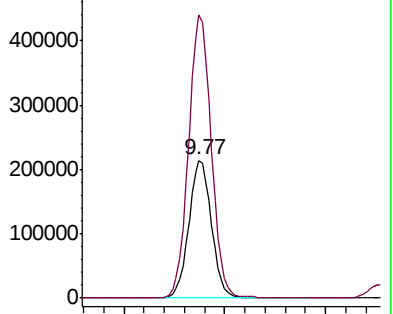
106 100

91 205.5 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.365 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU029997.D

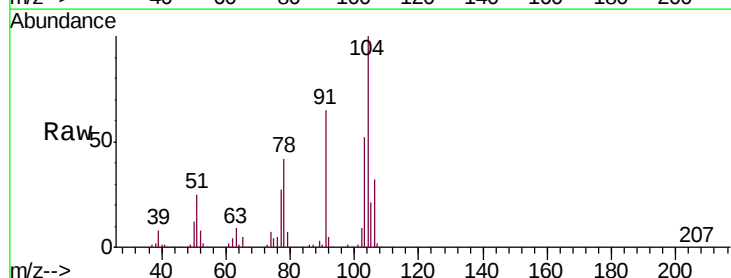
Acq: 12 Mar 2019 03:39

Tgt Ion:104 Resp: 569952

Ion Ratio Lower Upper

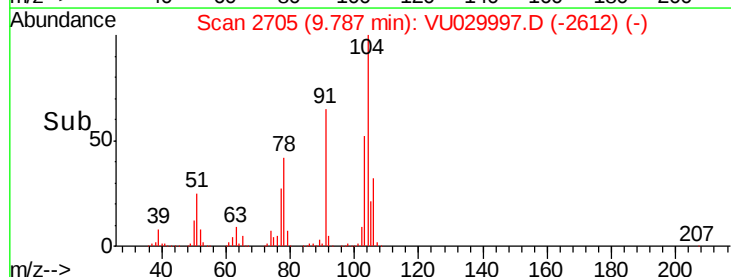
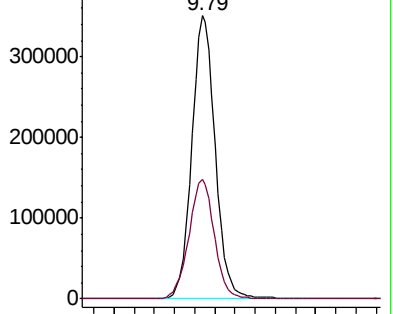
104 100

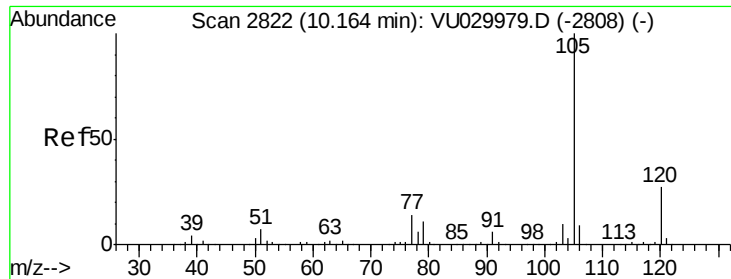
78 42.2 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.603 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

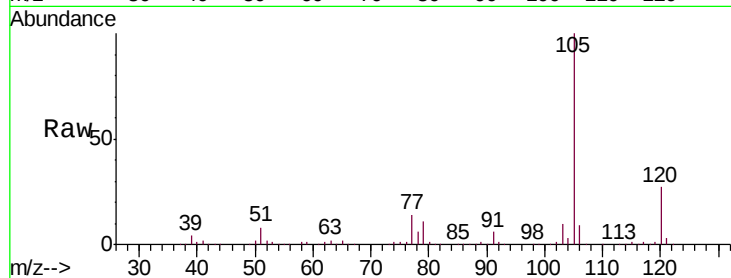
Tgt Ion: 105 Resp: 863045

Ion Ratio Lower Upper

105 100

120 27.3 21.7 32.5

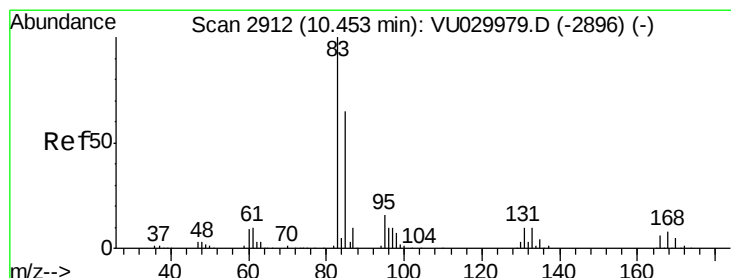
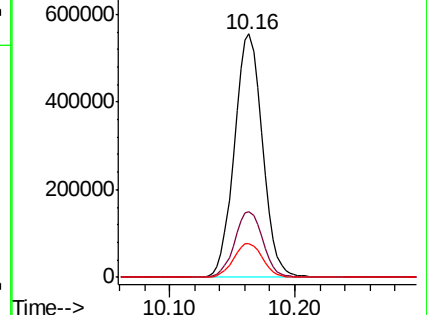
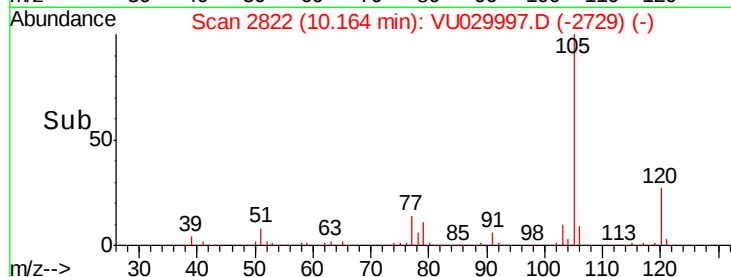
77 14.3 11.1 16.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.335 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

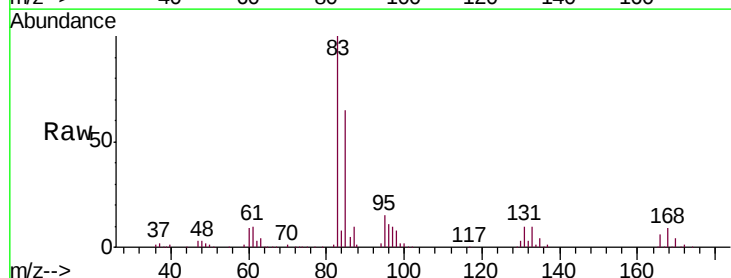
Tgt Ion: 83 Resp: 325461

Ion Ratio Lower Upper

83 100

85 64.9 45.9 85.3

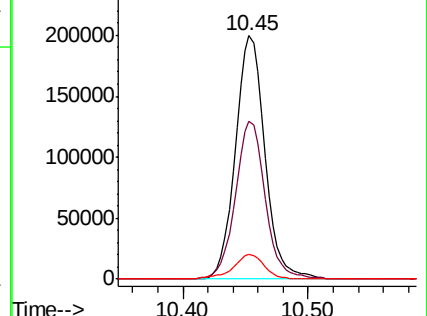
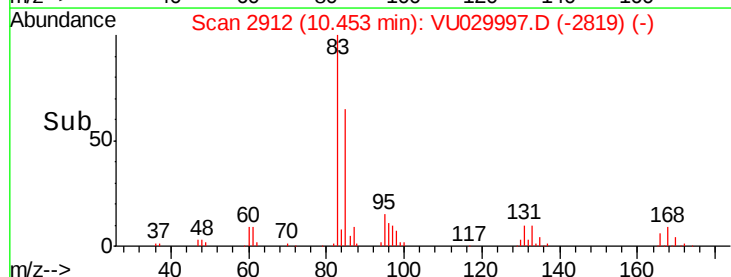
131 10.1 8.5 12.7

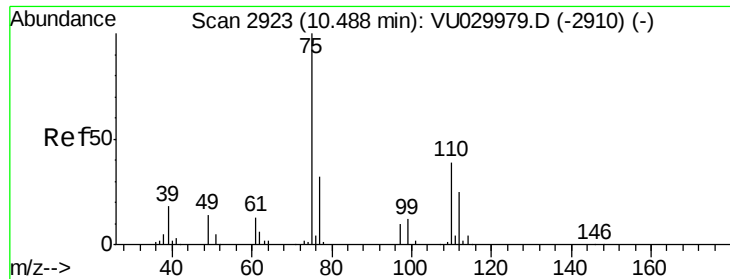


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

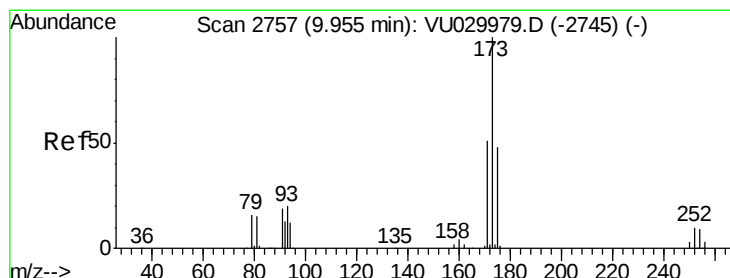
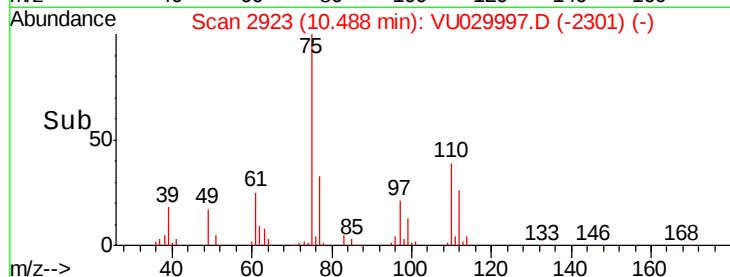
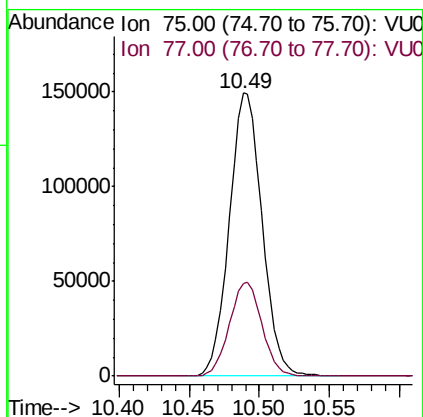
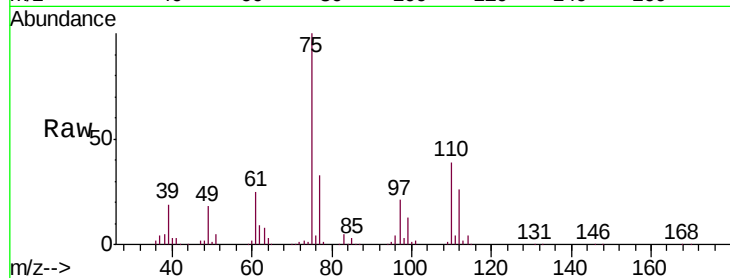




#59
 1,2,3-Trichloropropane
 Concen: 48.667 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU029997.D
 Acq: 12 Mar 2019 03:39

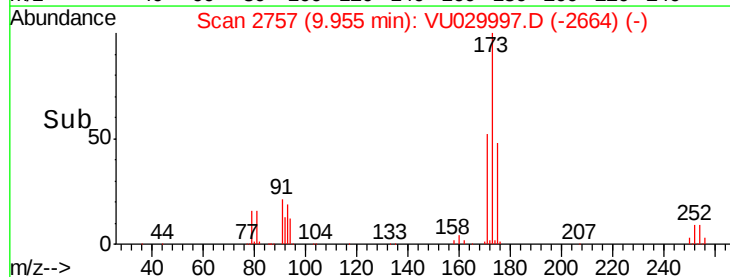
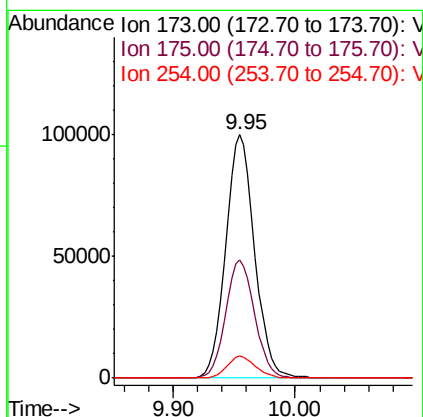
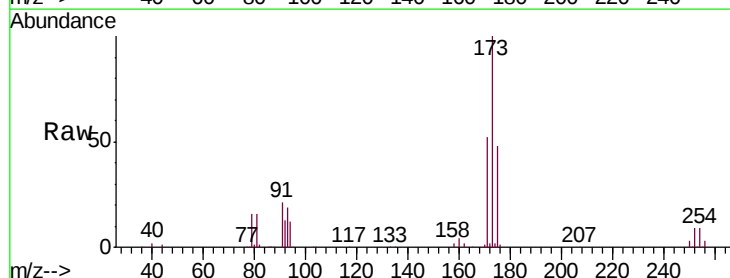
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

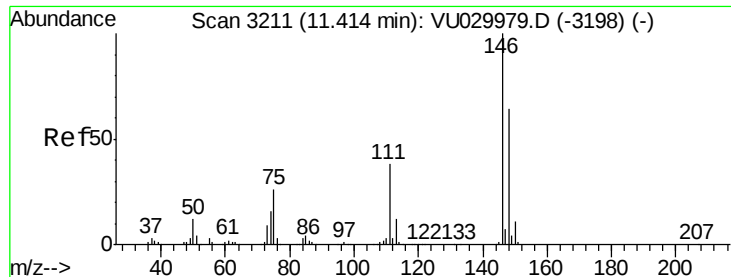
Tgt Ion: 75 Resp: 243598
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.8 38.8



#61
 Bromoform
 Concen: 49.793 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029997.D
 Acq: 12 Mar 2019 03:39

Tgt Ion: 173 Resp: 165293
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.6
 254 8.9 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 48.460 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

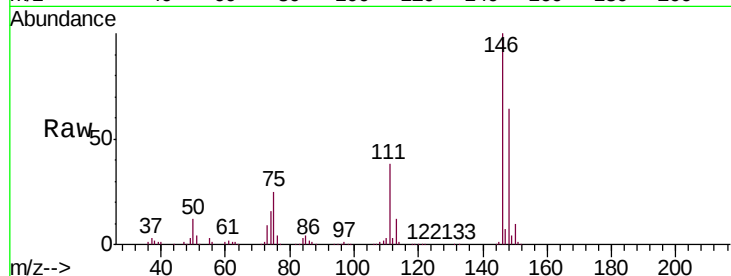
Tgt Ion:146 Resp: 417364

Ion Ratio Lower Upper

146 100

111 37.8 26.7 49.5

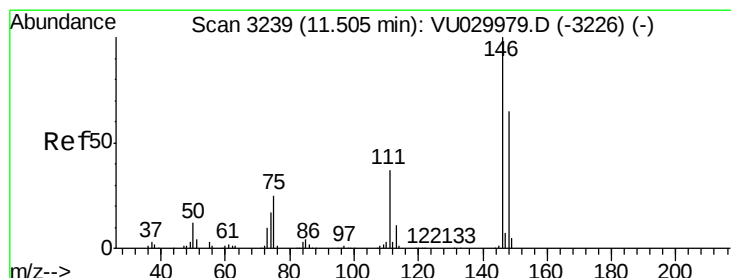
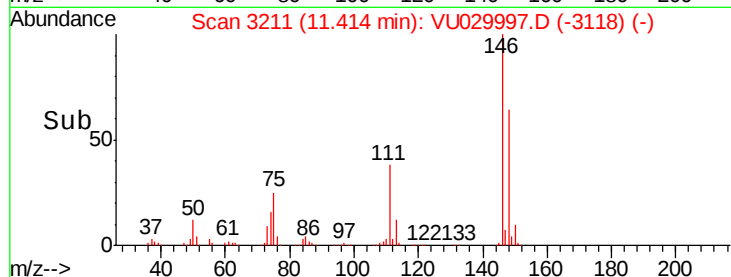
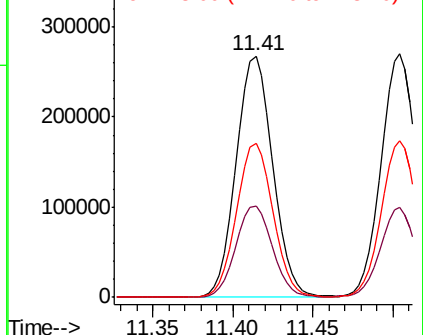
148 63.8 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.527 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

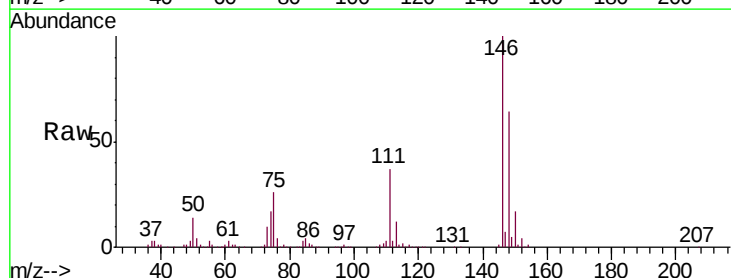
Tgt Ion:146 Resp: 424978

Ion Ratio Lower Upper

146 100

111 36.7 25.5 47.3

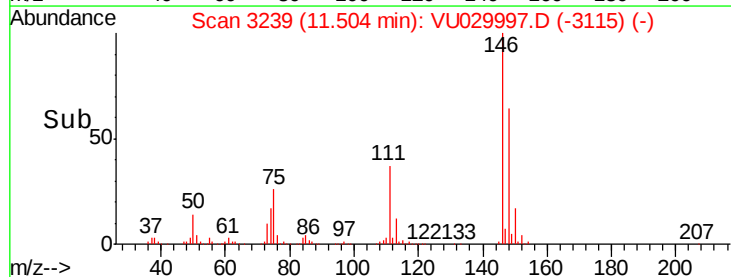
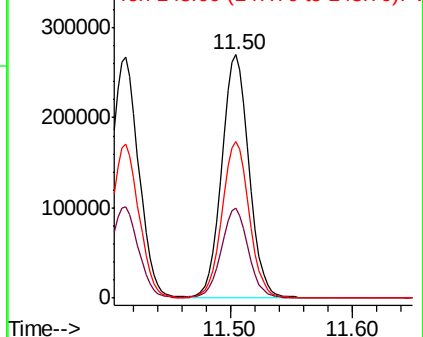
148 64.3 45.0 83.6

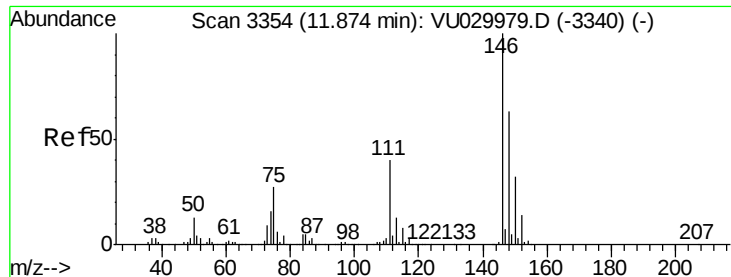


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

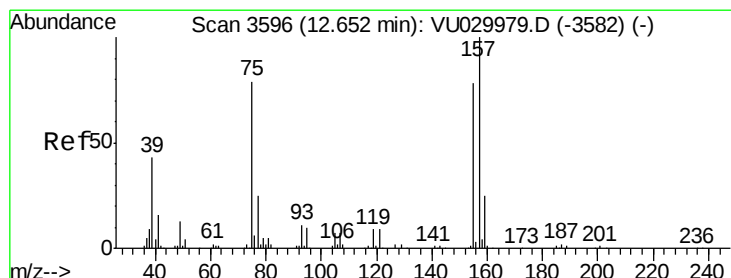
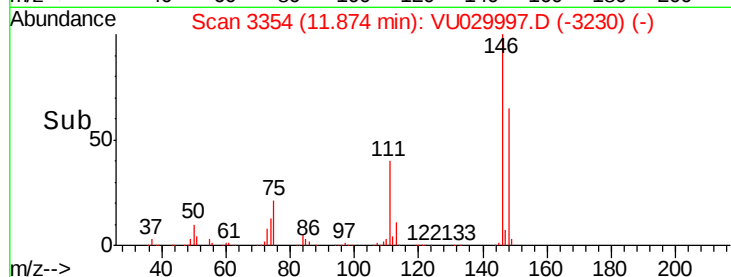
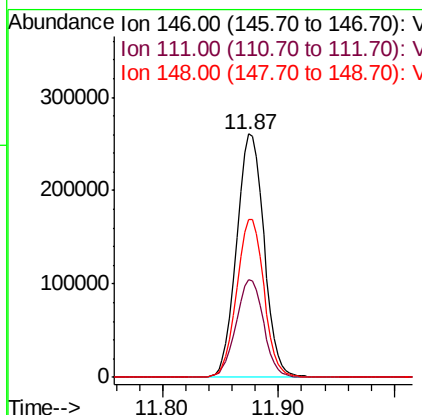
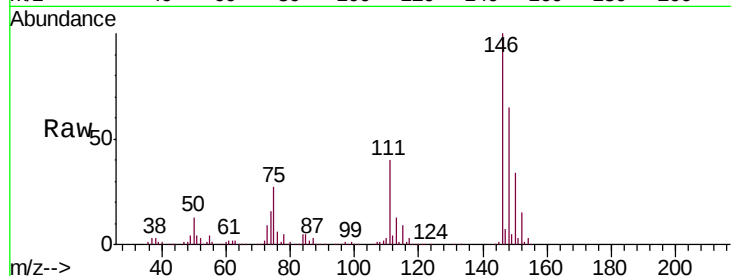




#65
 1,2-Dichlorobenzene
 Concen: 49.246 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029997.D
 Acq: 12 Mar 2019 03:39

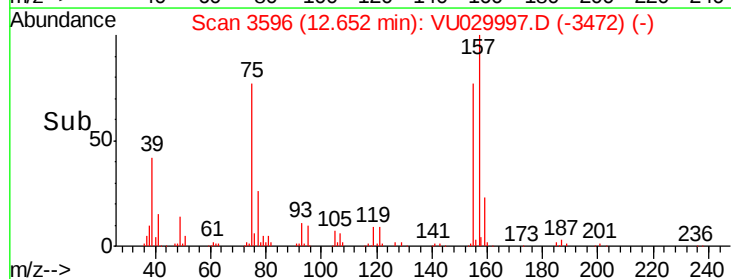
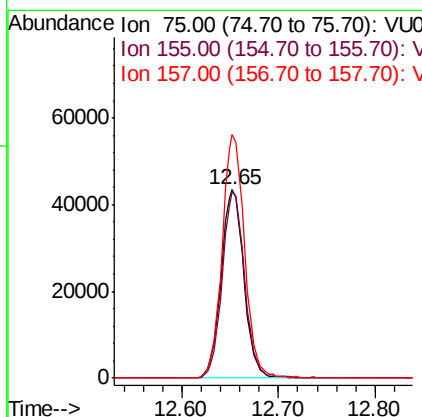
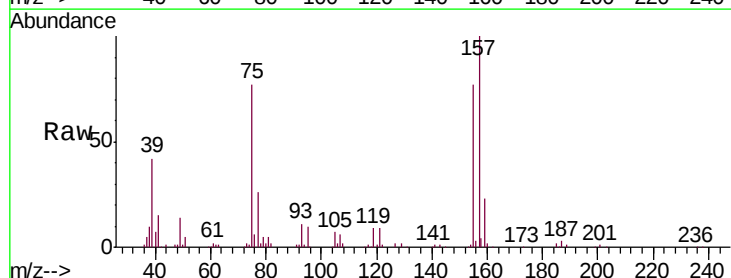
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

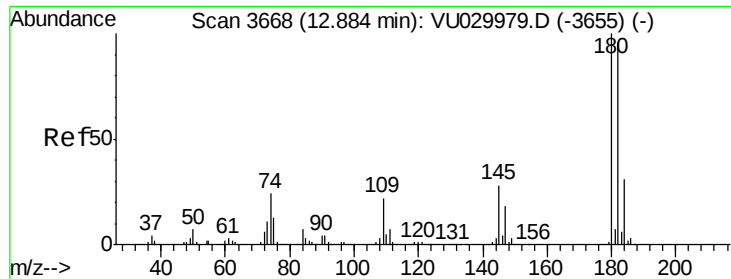
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	30.9	46.3
148	64.8	51.2	76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.398 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029997.D
 Acq: 12 Mar 2019 03:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	80.9	121.3
157	129.4	104.6	156.8

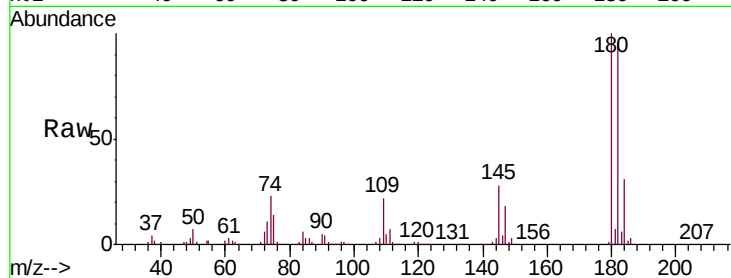




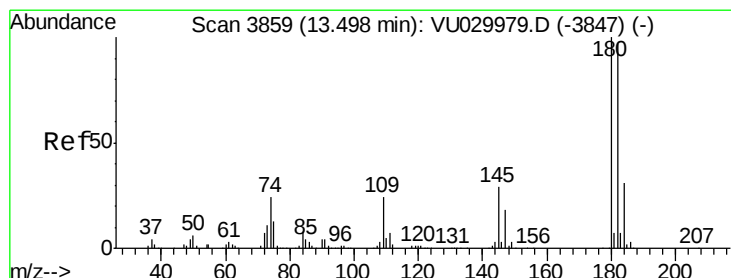
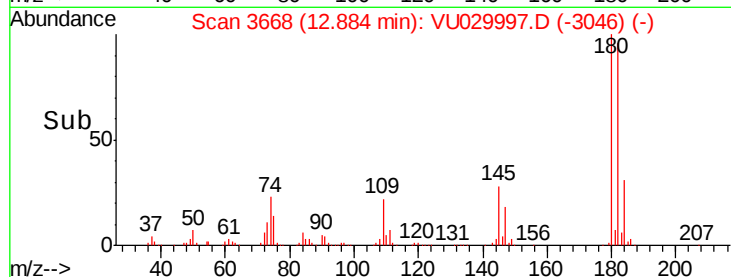
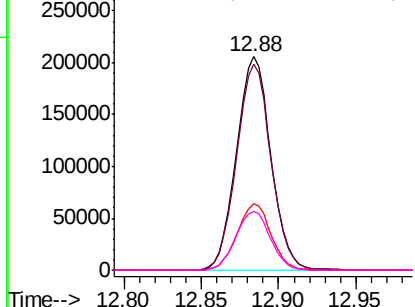
#67
 1,3,5-Trichlorobenzene
 Concen: 47.589 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029997.D
 Acq: 12 Mar 2019 03:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

Tgt Ion:	180	Resp:	318127
Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.3	114.5
184	30.7	24.7	37.1
145	28.0	22.3	33.5

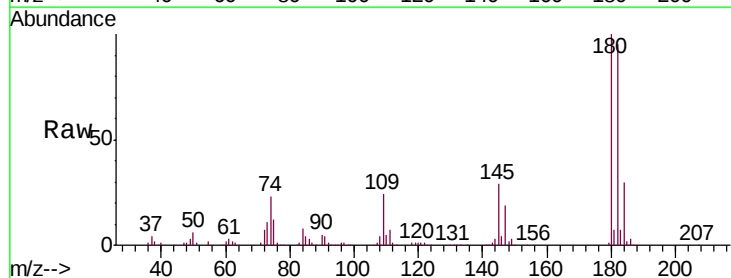


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

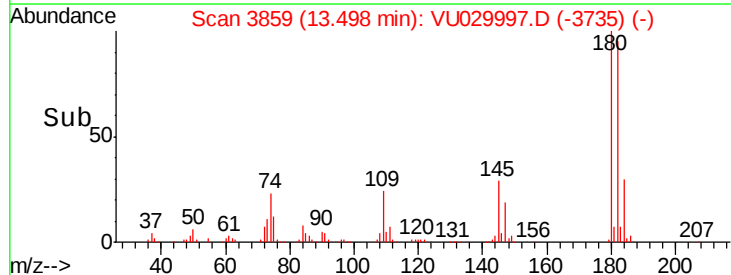
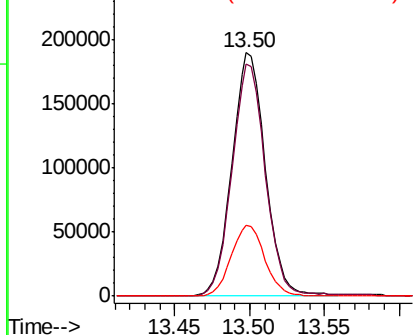


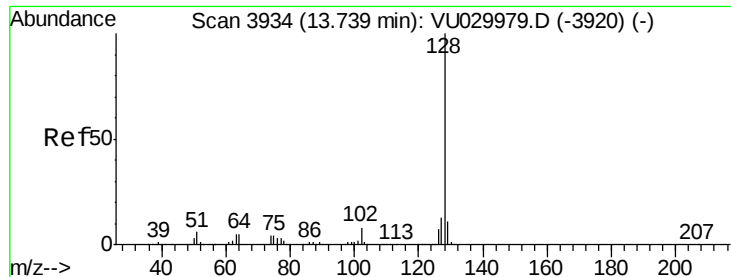
#68
 1,2,4-trichlorobenzene
 Concen: 48.318 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU029997.D
 Acq: 12 Mar 2019 03:39

Tgt Ion:	180	Resp:	295453
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	29.4	23.0	34.4



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: 50.794 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

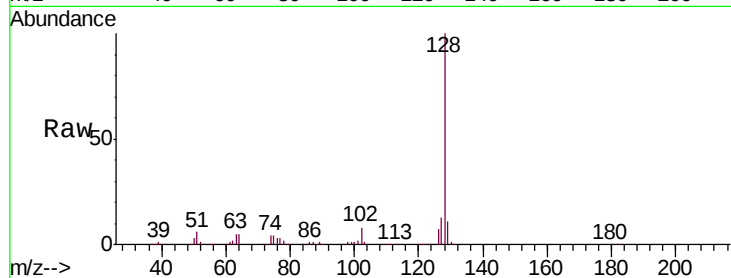
Tgt Ion:128 Resp: 1009135

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

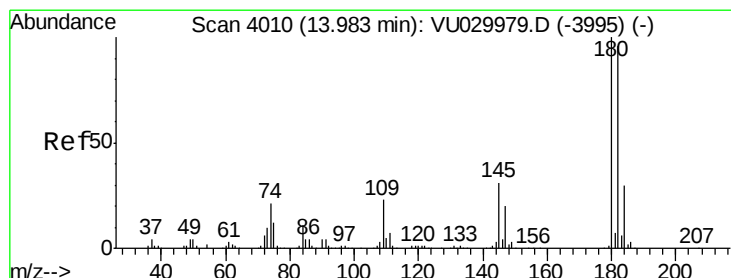
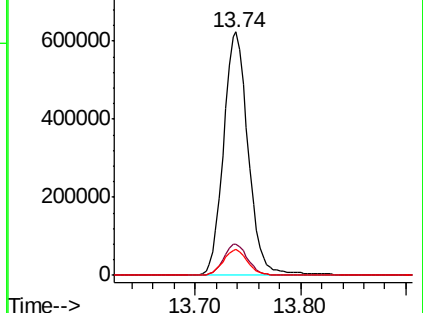
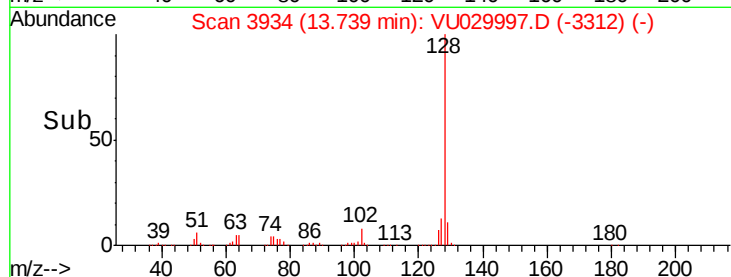
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.060 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029997.D

Acq: 12 Mar 2019 03:39

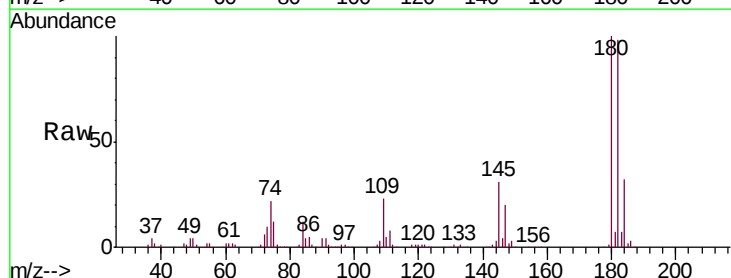
Tgt Ion:180 Resp: 311642

Ion Ratio Lower Upper

180 100

182 96.0 75.9 113.9

145 30.8 24.0 36.0



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

