

Data File : VU030157.D
Acq On : 16 Mar 2019 19:58
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Quant Time: Mar 18 04:30:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 04:23:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	561504	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	554225	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	284173	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	158364	42.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.28%
7) Chloroethane-d5	1.68	69	131939	44.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.02%
11) 1,1-Dichloroethene-d2	2.27	63	293277	43.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.50%
21) 2-Butanone-d5	4.17	46	289389	104.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.00%
24) Chloroform-d	4.64	84	318258	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
26) 1,2-Dichloroethane-d4	5.31	65	180934	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.02%
32) Benzene-d6	5.34	84	645902	45.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.54%
36) 1,2-Dichloropropane-d6	6.33	67	203740	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.32%
41) Toluene-d8	7.56	98	592546	44.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.72%
43) trans-1,3-Dichloropropene-	7.85	79	96131	45.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.90%
47) 2-Hexanone-d5	8.31	63	239542	98.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.05%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	324049	48.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	250782	45.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	155654	43.872 ug/L	97
3) Chloromethane	1.33	50	176439	45.076 ug/L	98
5) Vinyl chloride	1.40	62	195366	45.532 ug/L	99
6) Bromomethane	1.62	94	111288	41.869 ug/L	96
8) Chloroethane	1.69	64	120992	43.023 ug/L	98
9) Trichlorofluoromethane	1.88	101	261752	45.487 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	165941	44.984 ug/L	100
12) 1,1-Dichloroethene	2.28	96	161493	45.887 ug/L	93
13) Acetone	2.32	43	184332	56.655 ug/L	100
14) Carbon disulfide	2.48	76	441504	40.475 ug/L	99
15) Methyl Acetate	2.61	43	208596	49.624 ug/L	98
16) Methylene chloride	2.70	84	192944	46.429 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	170926	44.597 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	541082	47.601 ug/L	99
19) 1,1-Dichloroethane	3.44	63	320471	48.700 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	205484	47.095 ug/L	100
22) 2-Butanone	4.26	43	297545	80.330 ug/L	100

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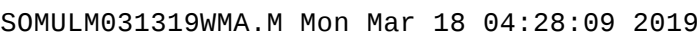
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

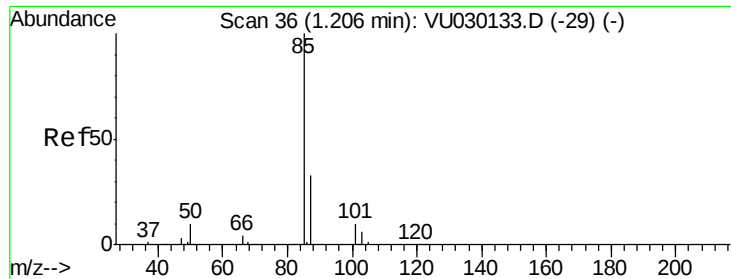
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	105164	46.530	ug/L	99
25) Chloroform	4.67	83	332471	48.138	ug/L	98
27) 1,2-Dichloroethane	5.40	62	237076	47.744	ug/L	100
29) Cyclohexane	4.99	56	262160	42.887	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	278817	46.082	ug/L	100
31) Carbon tetrachloride	5.13	117	239798	44.883	ug/L	100
33) Benzene	5.39	78	741370	46.746	ug/L	100
34) Trichloroethene	6.18	95	187992	45.228	ug/L	98
35) Methylcyclohexane	6.41	83	289099	42.891	ug/L	99
37) 1,2-Dichloropropane	6.43	63	202627	48.573	ug/L	100
38) Bromodichloromethane	6.76	83	246001	47.422	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	297376	45.808	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	538395	95.584	ug/L	99
42) Toluene	7.63	91	803522	46.600	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	272753	46.016	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	200918	48.160	ug/L	99
46) Tetrachloroethene	8.22	164	160276	44.062	ug/L	99
48) 2-Hexanone	8.36	43	423654	88.164	ug/L	99
49) Dibromochloromethane	8.47	129	219140	47.014	ug/L	100
50) 1,2-Dibromoethane	8.58	107	215642	46.894	ug/L	95
51) Chlorobenzene	9.12	112	532735	45.827	ug/L	100
52) Ethylbenzene	9.25	91	877504	46.228	ug/L	99
53) m,p-Xylene	9.37	106	342416	46.624	ug/L	96
54) o-xylene	9.77	106	337382	46.770	ug/L	96
55) Styrene	9.79	104	582674	47.437	ug/L	99
56) Isopropylbenzene	10.16	105	883574	46.787	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	345192	48.208	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	258832	47.642	ug/L	100
61) Bromoform	9.95	173	171226	48.407	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	423229	46.117	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	432544	46.352	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	443405	48.000	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	72682	48.418	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	323626	45.433	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	286365	43.950	ug/L	98
69) Naphthalene	13.74	128	952297	44.984	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	306923	45.344	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 43.872 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

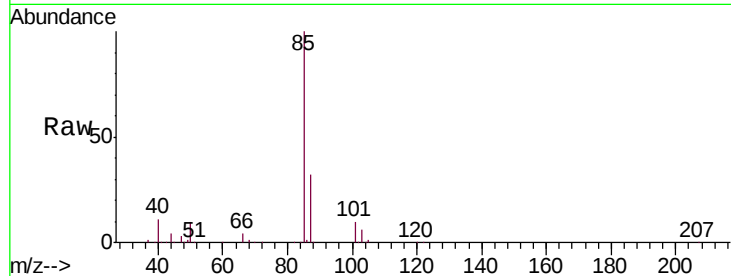
VSTD05042

Tgt Ion: 85 Resp: 155654

Ion Ratio Lower Upper

85 100

87 31.5 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU030157.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU030157.D (-1) (-)

1.21

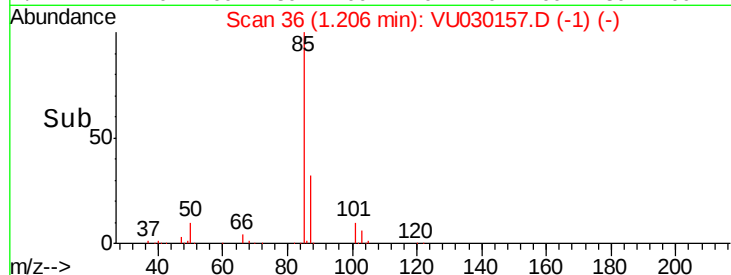
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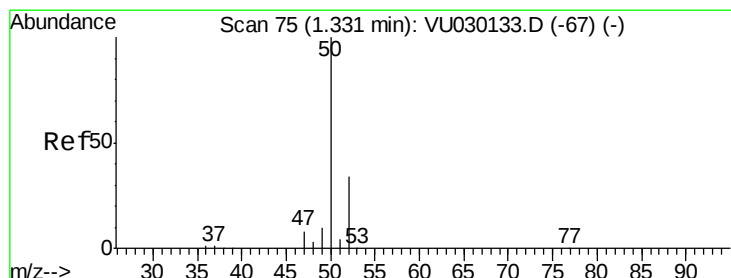
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 45.076 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030157.D

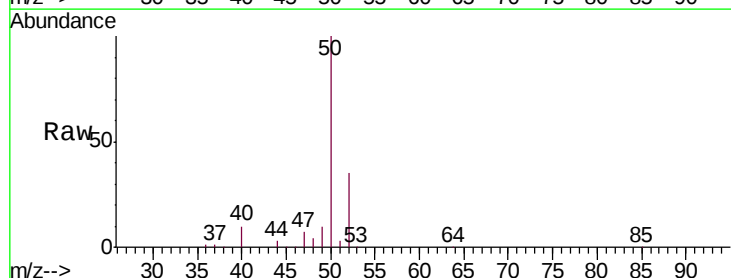
Acq: 16 Mar 2019 19:58

Tgt Ion: 50 Resp: 176439

Ion Ratio Lower Upper

50 100

52 34.7 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VU030157.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU030157.D (-1) (-)

1.33

200000

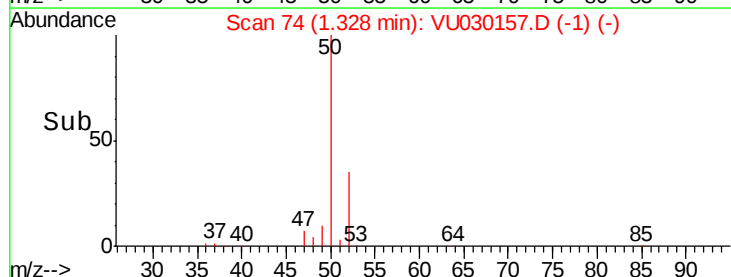
150000

100000

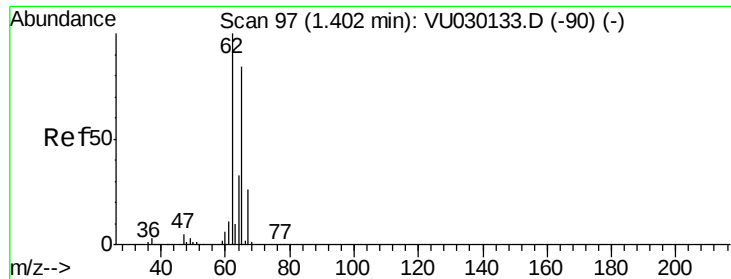
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 45.532 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

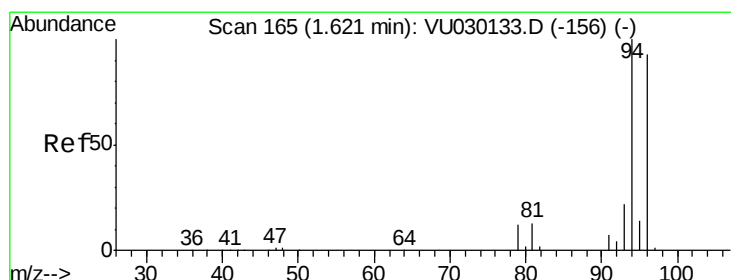
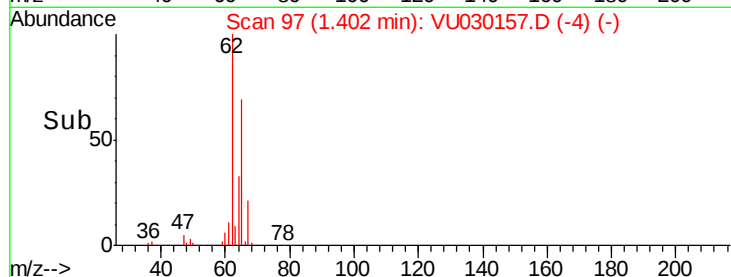
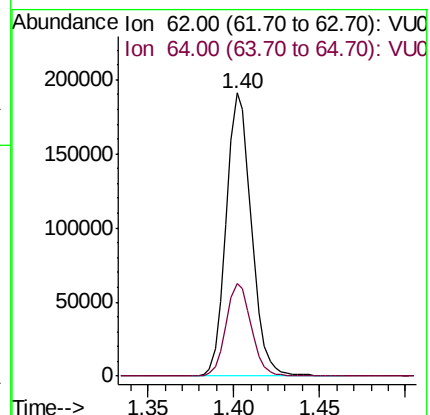
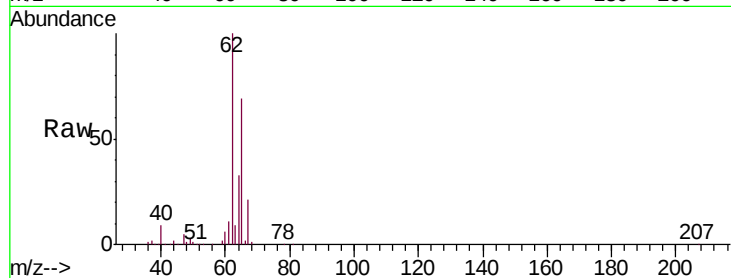
VSTD05042

Tgt Ion: 62 Resp: 195366

Ion Ratio Lower Upper

62 100

64 32.9 23.6 43.8



#6

Bromomethane

Concen: 41.869 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU030157.D

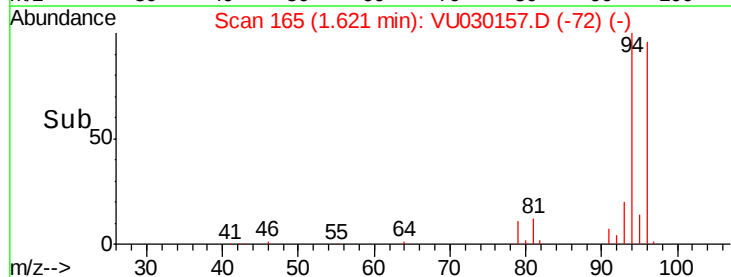
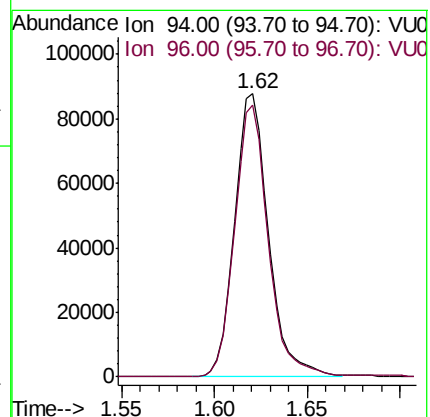
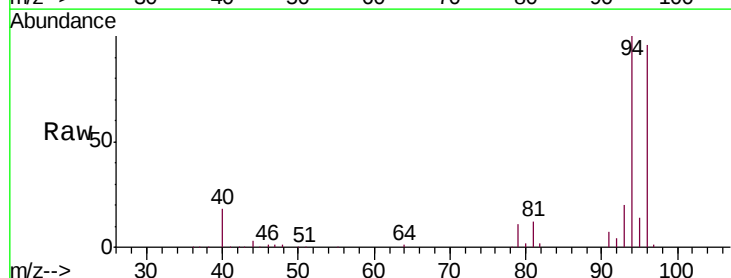
Acq: 16 Mar 2019 19:58

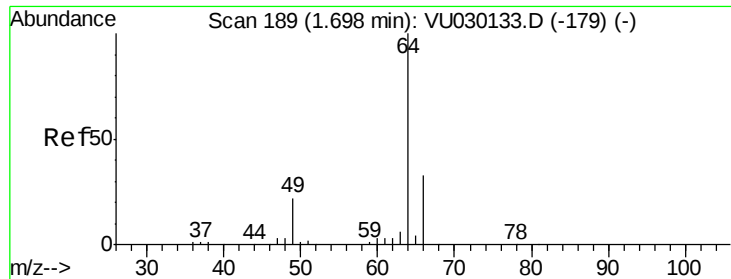
Tgt Ion: 94 Resp: 111288

Ion Ratio Lower Upper

94 100

96 96.2 65.0 120.6





#8

Chloroethane

Concen: 43.023 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

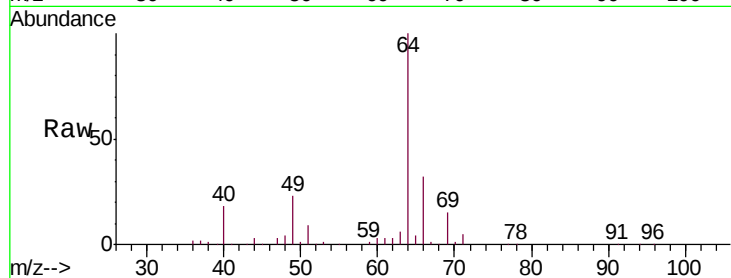
VSTD05042

Tgt Ion: 64 Resp: 120992

Ion Ratio Lower Upper

64 100

66 31.8 21.3 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU030133.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU030133.D (-179) (-)

1.69

100000

80000

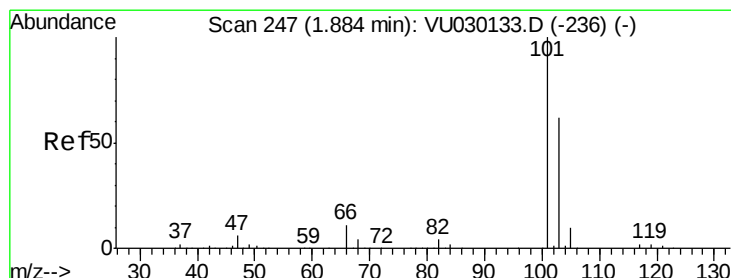
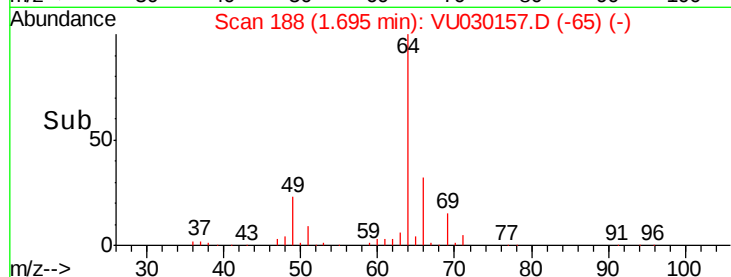
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 45.487 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU030157.D

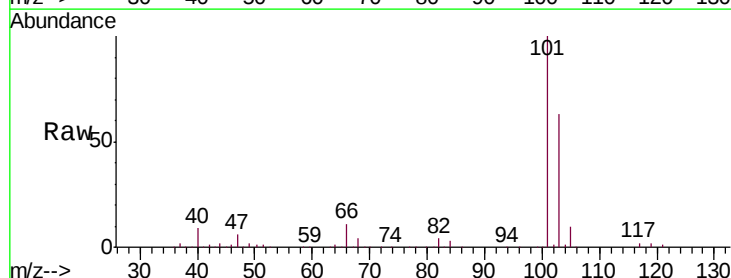
Acq: 16 Mar 2019 19:58

Tgt Ion: 101 Resp: 261752

Ion Ratio Lower Upper

101 100

103 63.4 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU030133.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU030133.D (-236) (-)

1.88

200000

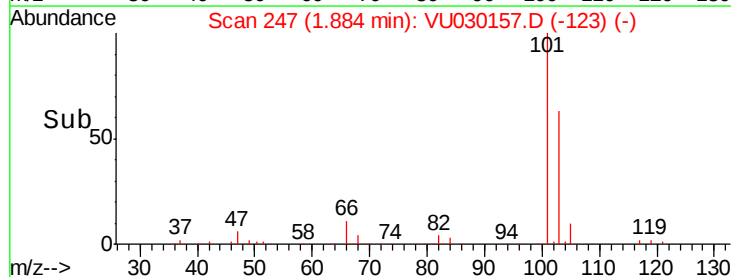
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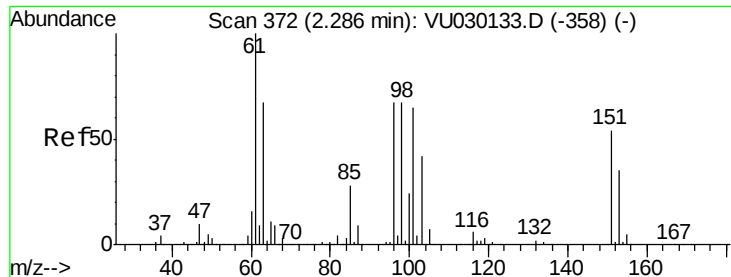
100000

50000

0

Time-->





#10

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

Concen: 44.984 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

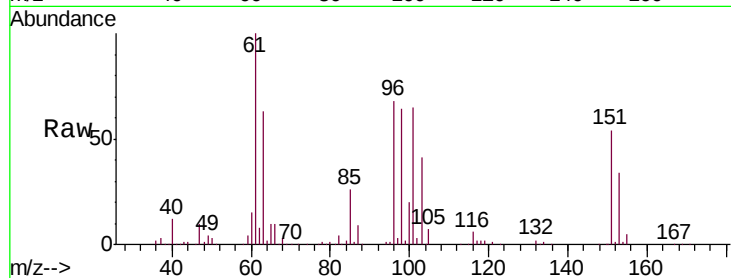
Tgt Ion: 101 Resp: 165941

Ion Ratio Lower Upper

101 100

85 41.1 33.0 49.4

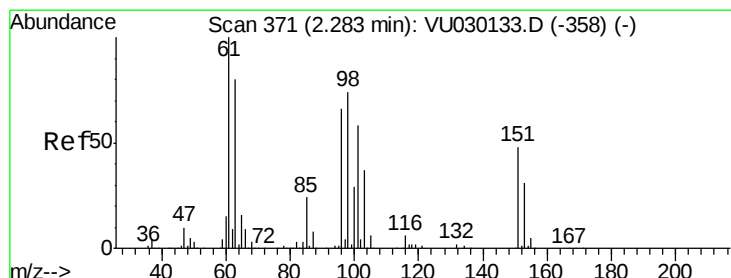
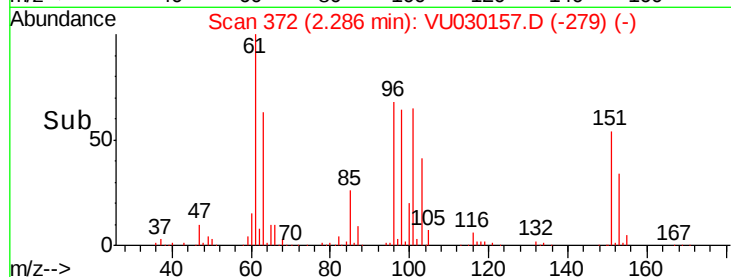
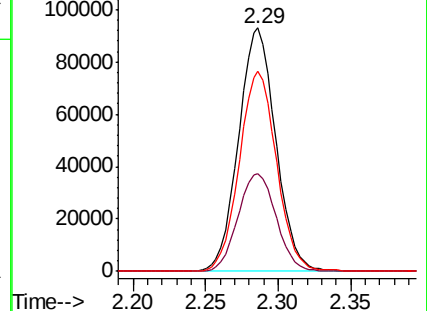
151 82.4 66.1 99.1



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: 45.887 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

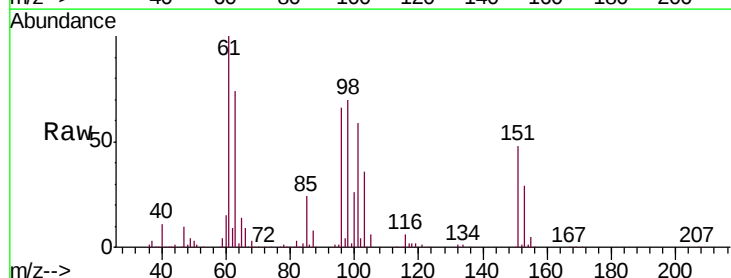
Tgt Ion: 96 Resp: 161493

Ion Ratio Lower Upper

96 100

61 151.0 110.4 205.0

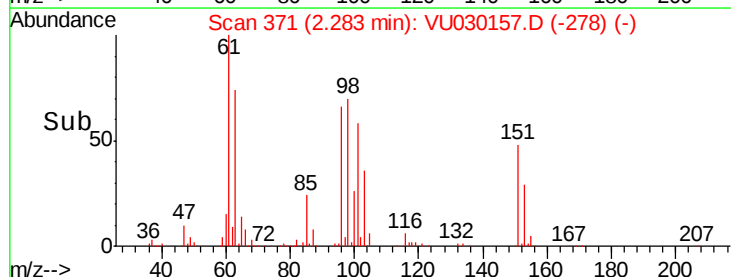
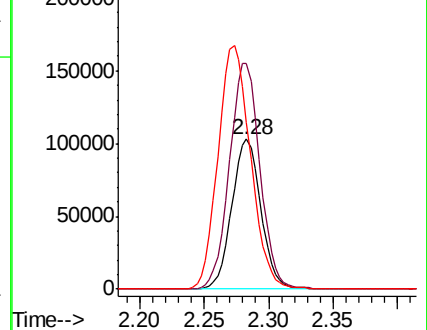
63 111.7 86.5 160.7

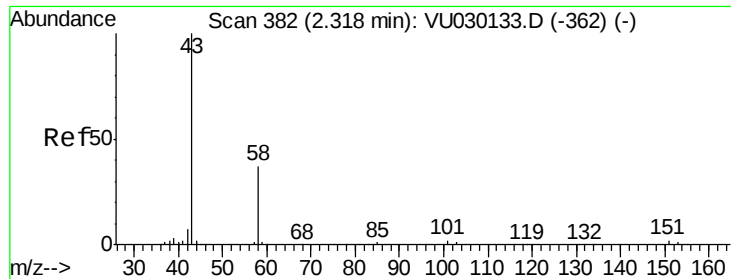


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 56.655 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

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Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

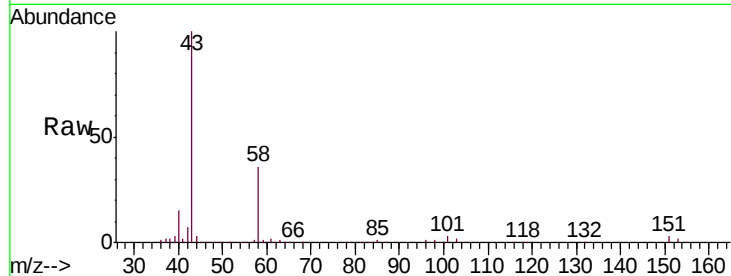
VSTD05042

Tgt Ion: 43 Resp: 184332

Ion Ratio Lower Upper

43 100

58 36.3 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU030133.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030133.D (-362) (-)

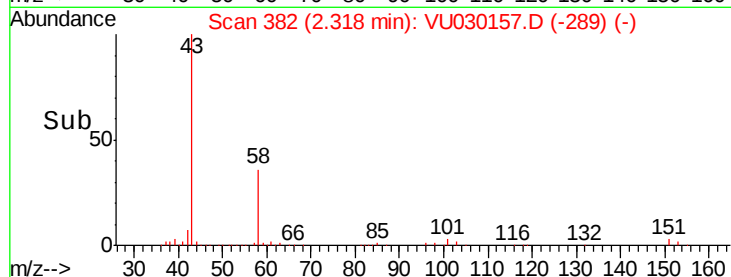
2.32

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 40.475 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU030157.D

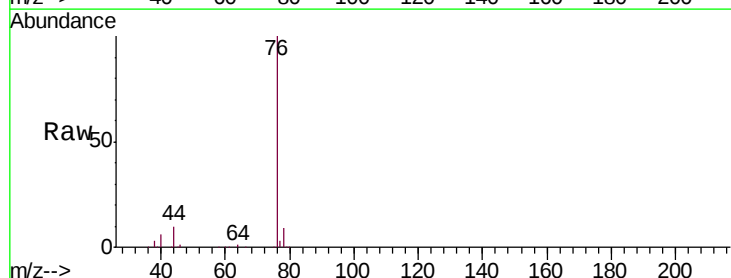
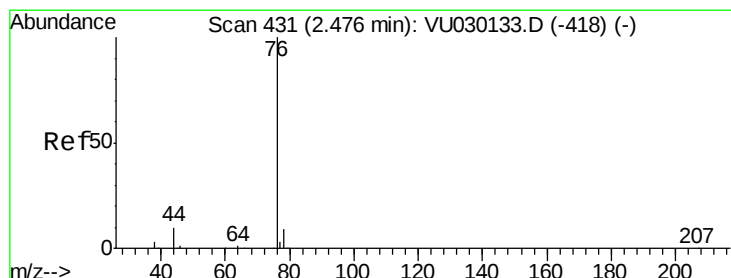
Acq: 16 Mar 2019 19:58

Tgt Ion: 76 Resp: 441504

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU030133.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU030133.D (-418) (-)

2.48

300000

250000

200000

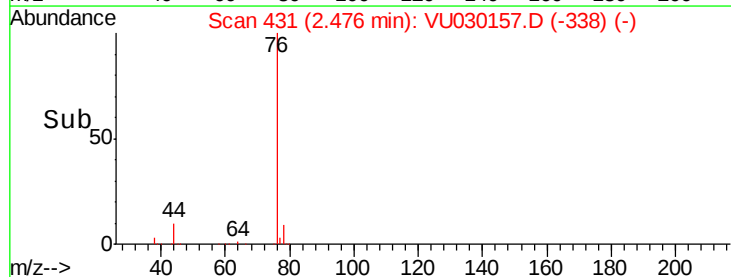
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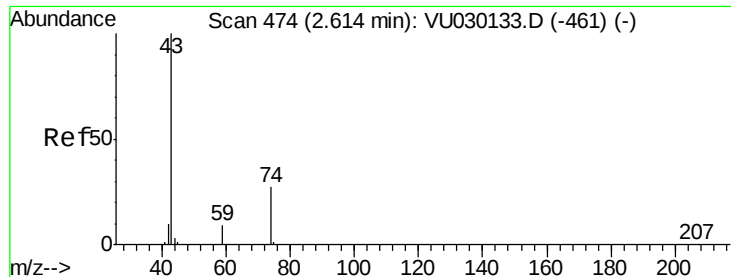
100000

50000

0

Time-->





#15

Methyl Acetate

Concen: 49.624 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

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ClientSampleId :

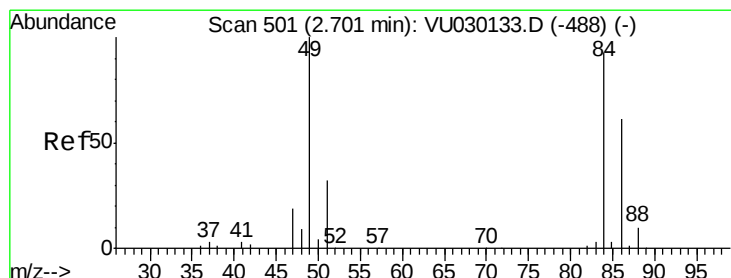
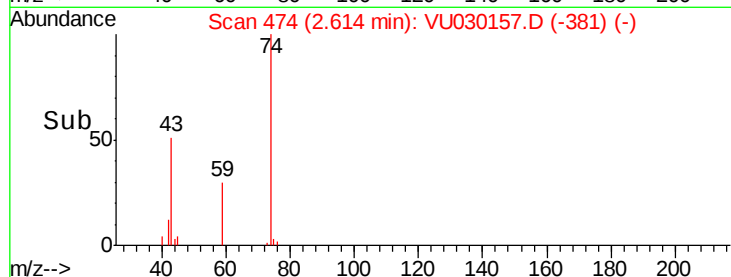
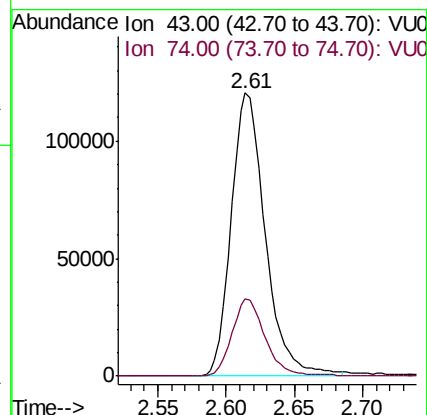
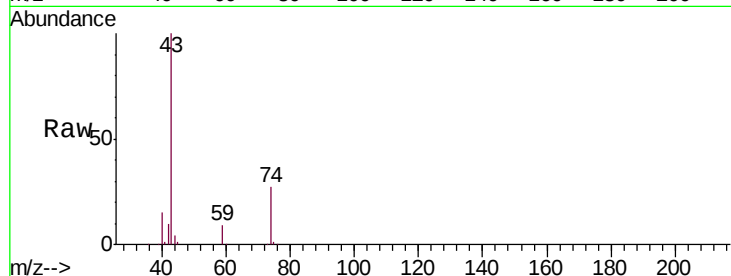
VSTD05042

Tgt Ion: 43 Resp: 208596

Ion Ratio Lower Upper

43 100

74 26.4 21.9 32.9



#16

Methylene chloride

Concen: 46.429 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

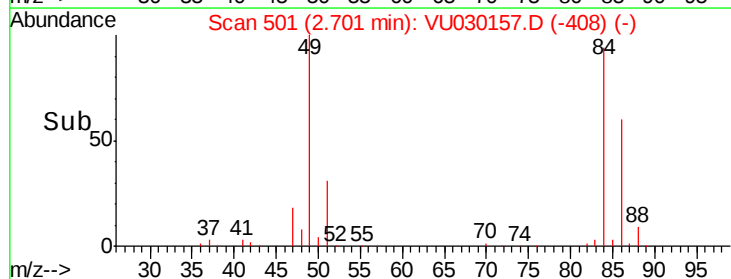
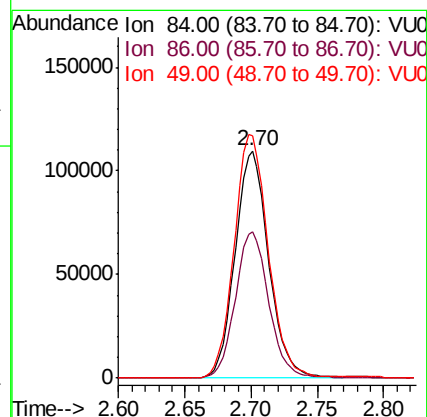
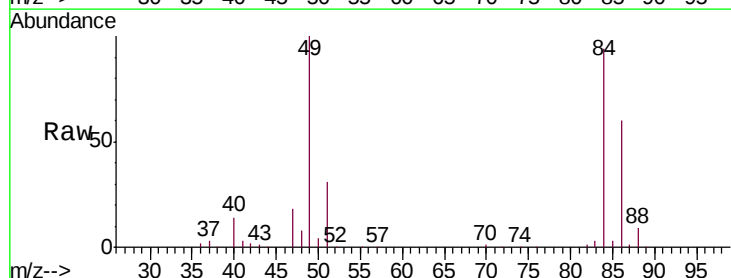
Tgt Ion: 84 Resp: 192944

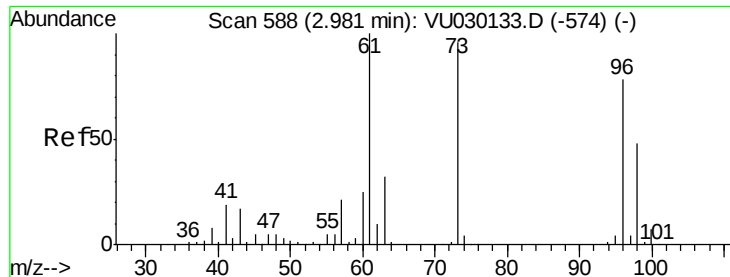
Ion Ratio Lower Upper

84 100

86 64.2 45.2 84.0

49 106.7 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 44.597 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

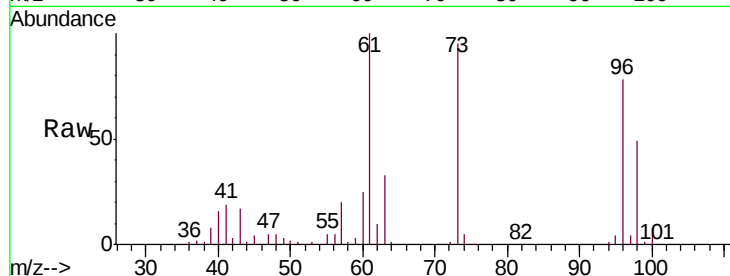
Tgt Ion: 96 Resp: 170926

Ion Ratio Lower Upper

96 100

61 128.3 89.4 166.0

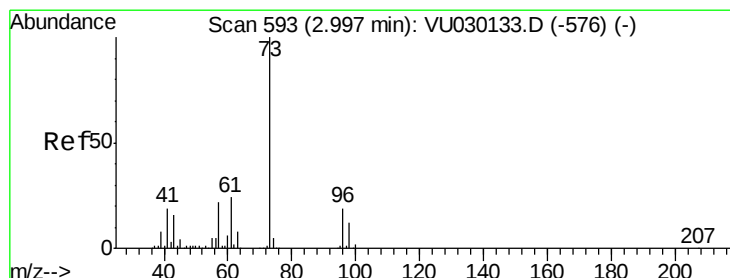
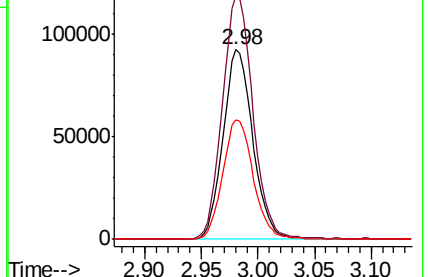
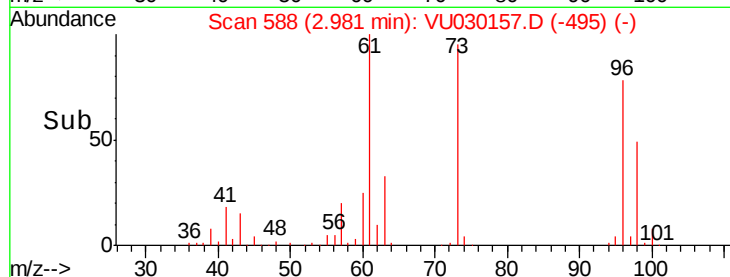
98 63.3 43.3 80.5



Abundance Ion 96.00 (95.70 to 96.70): VU030133.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU030133.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU030133.D (-574) (-)



#18

Methyl tert-butyl Ether

Concen: 47.601 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

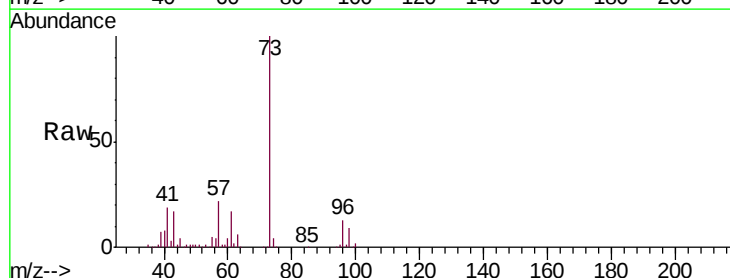
Tgt Ion: 73 Resp: 541082

Ion Ratio Lower Upper

73 100

43 16.6 13.1 19.7

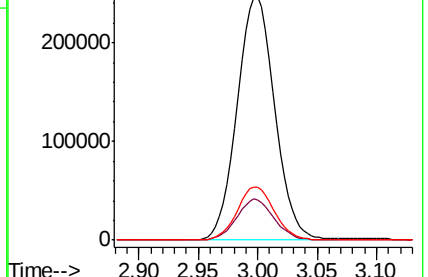
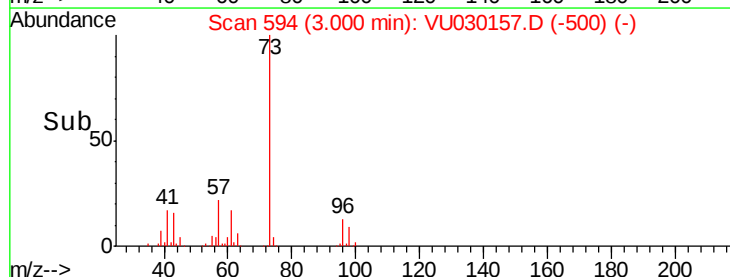
57 21.7 17.1 25.7

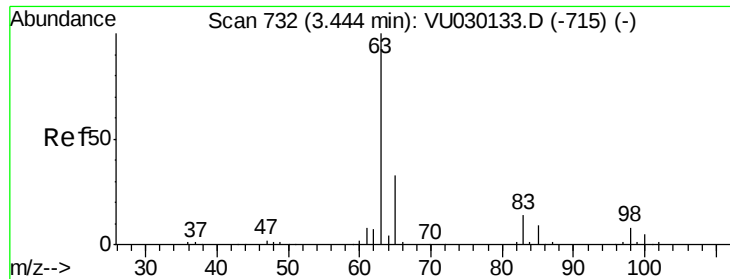


Abundance Ion 73.00 (72.70 to 73.70): VU030133.D (-576) (-)

Ion 43.00 (42.70 to 43.70): VU030133.D (-576) (-)

Ion 57.00 (56.70 to 57.70): VU030133.D (-576) (-)

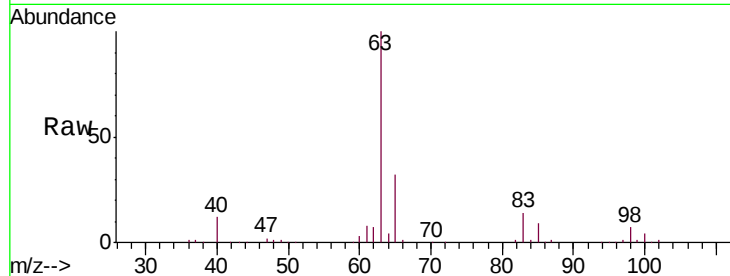




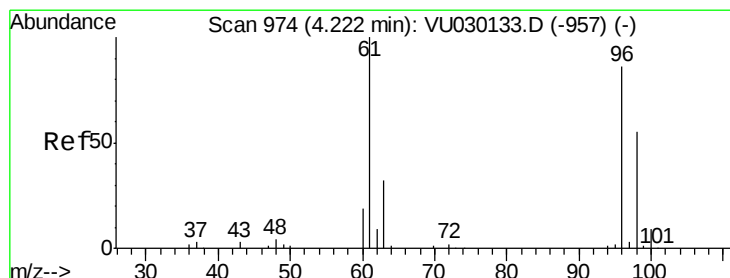
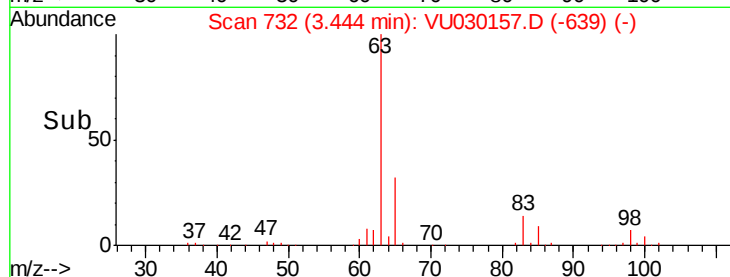
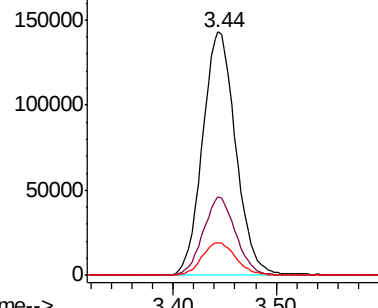
#19
 1,1-Dichloroethane
 Concen: 48.700 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion: 63 Resp: 320471
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.0 41.0
 83 13.5 9.7 18.1

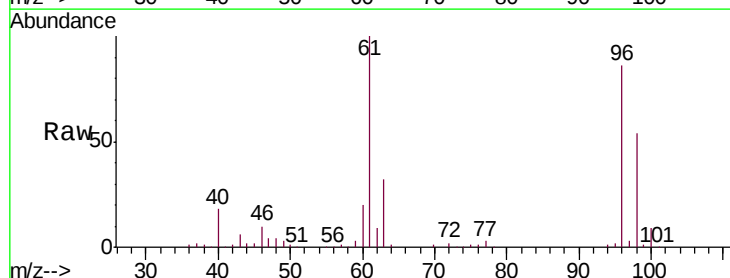


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

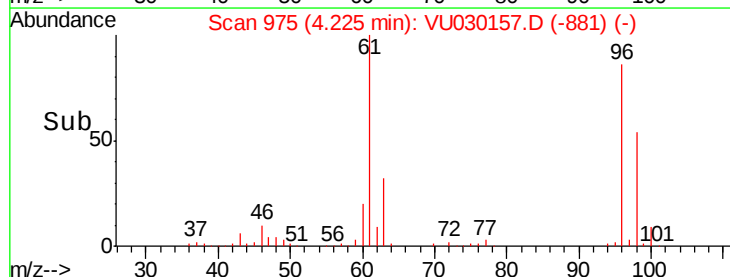
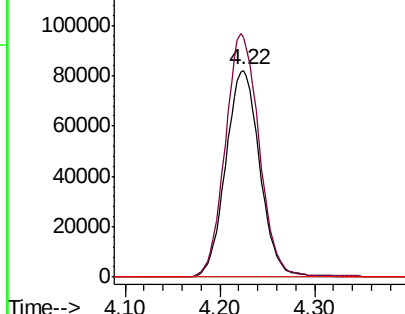


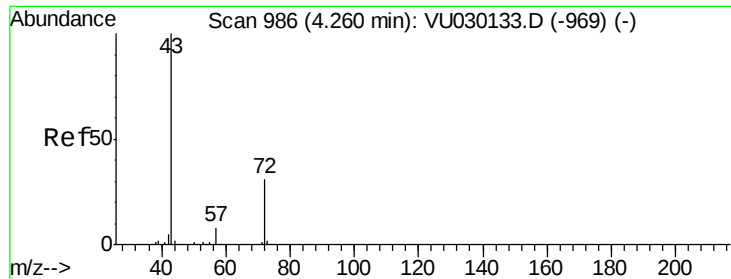
#20
 cis-1,2-Dichloroethene
 Concen: 47.095 ug/L
 RT: 4.22 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

Tgt Ion: 96 Resp: 205484
 Ion Ratio Lower Upper
 96 100
 61 116.0 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: 80.330 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

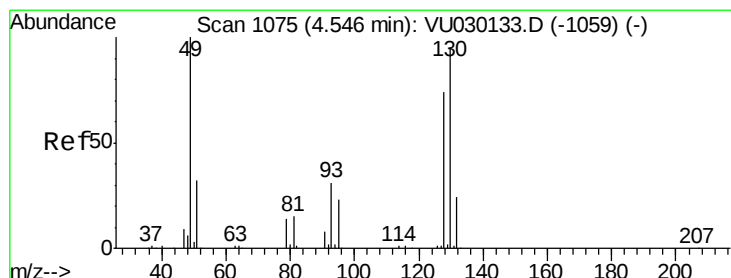
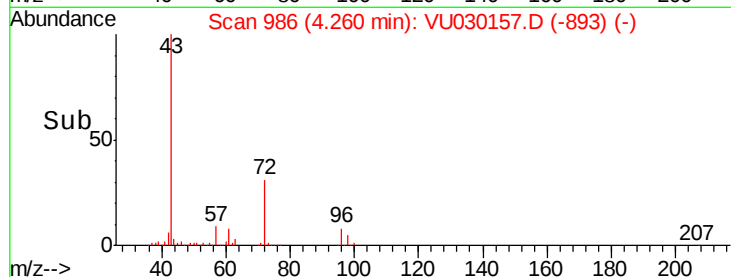
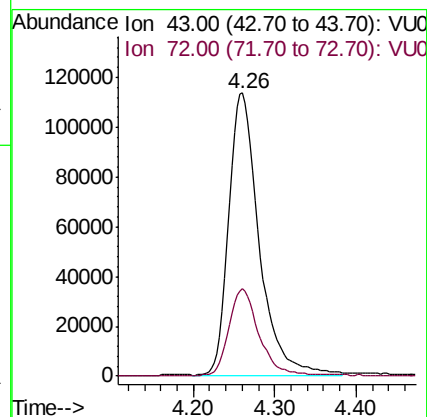
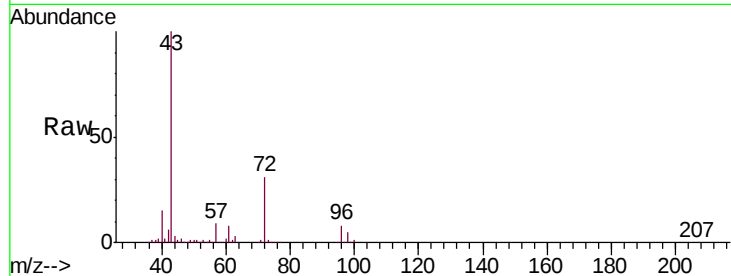
VSTD05042

Tgt Ion: 43 Resp: 297545

Ion Ratio Lower Upper

43 100

72 30.8 15.3 45.9



#23

Bromochloromethane

Concen: 46.530 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Tgt Ion: 128 Resp: 105164

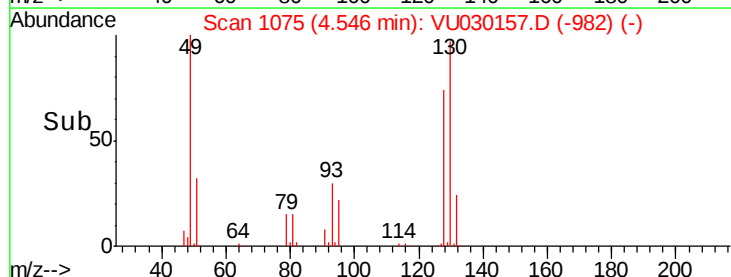
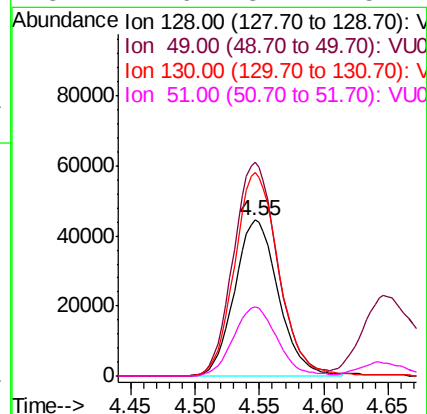
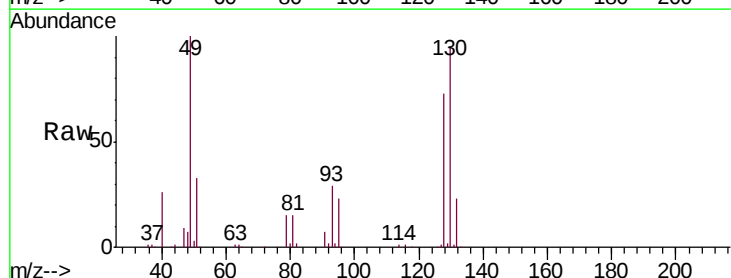
Ion Ratio Lower Upper

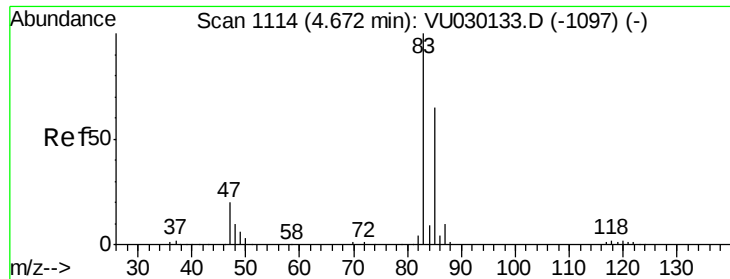
128 100

49 137.2 94.5 175.5

130 130.6 91.4 169.8

51 44.6 34.2 51.2

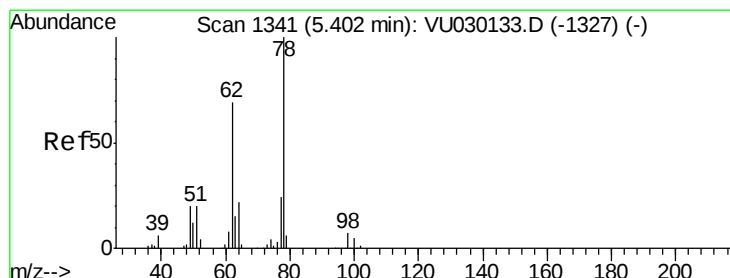
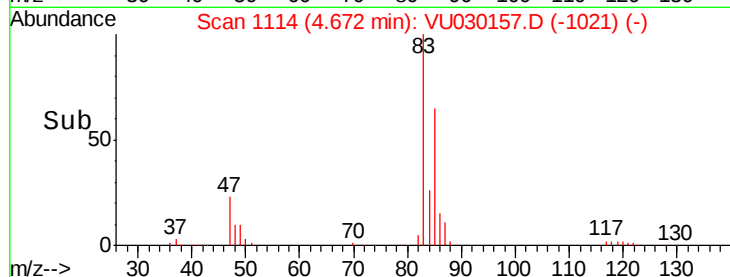
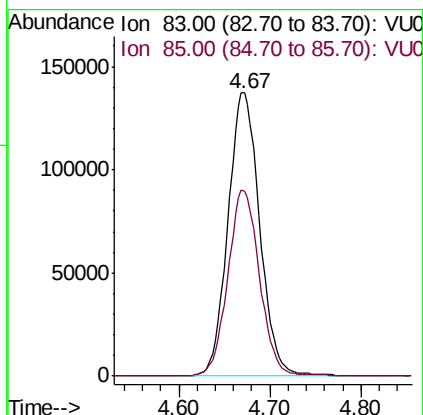
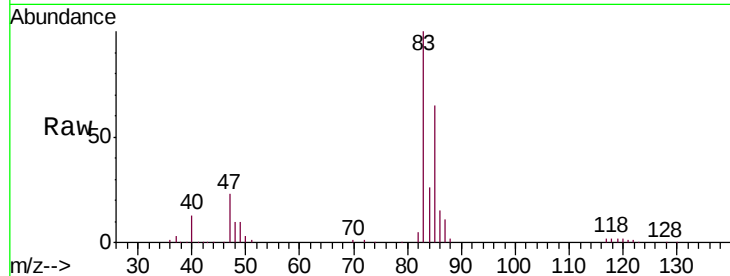




#25
Chloroform
Concen: 48.138 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030157.D
Acq: 16 Mar 2019 19:58

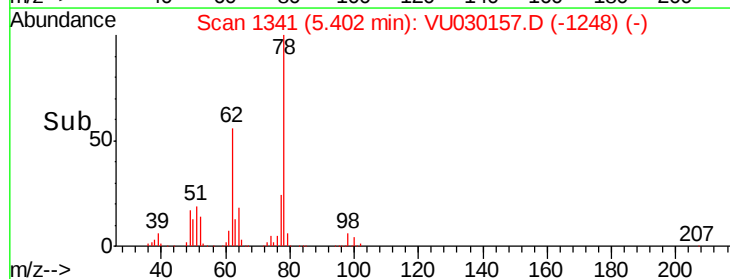
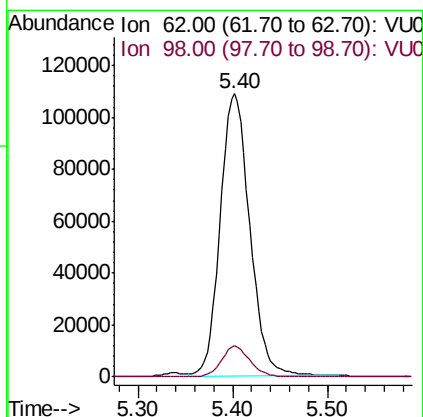
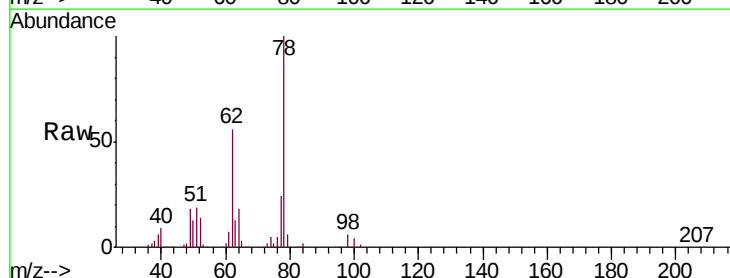
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

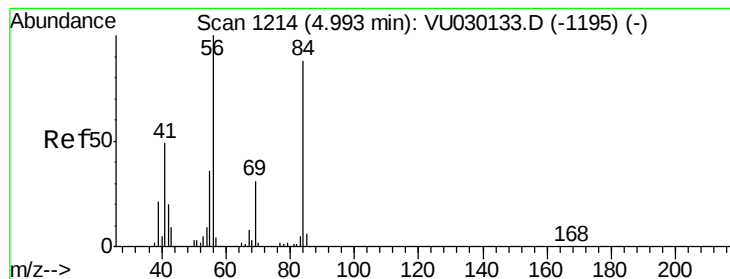
Tgt Ion: 83 Resp: 332471
Ion Ratio Lower Upper
83 100
85 65.4 44.9 83.5



#27
1,2-Dichloroethane
Concen: 47.744 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU030157.D
Acq: 16 Mar 2019 19:58

Tgt Ion: 62 Resp: 237076
Ion Ratio Lower Upper
62 100
98 11.2 8.8 13.2





#29

Cyclohexane

Concen: 42.887 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

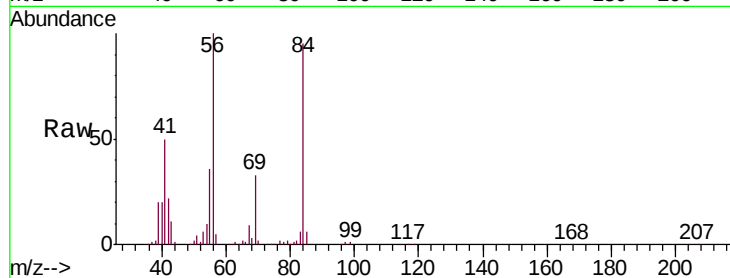
Tgt Ion: 56 Resp: 262160

Ion Ratio Lower Upper

56 100

69 32.0 25.3 37.9

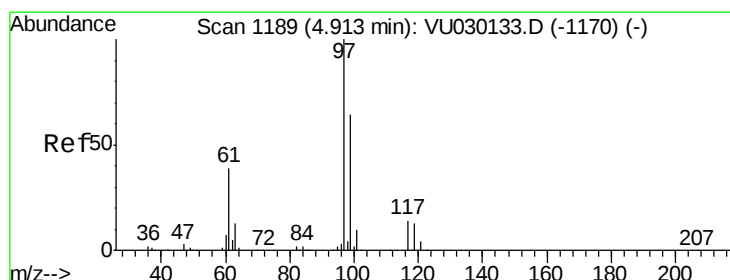
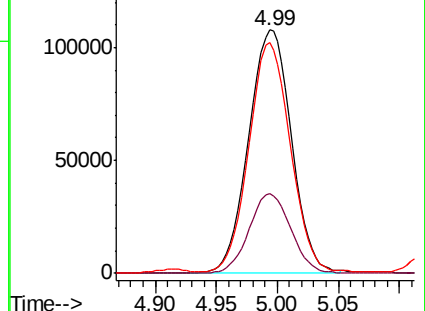
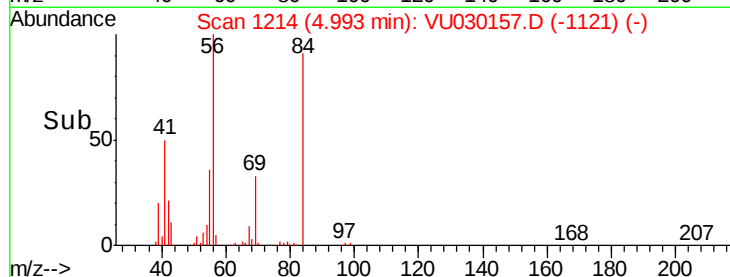
84 90.9 73.5 110.3



Abundance Ion 56.00 (55.70 to 56.70): VU030157.D (-1121) (-)

Ion 69.00 (68.70 to 69.70): VU030157.D (-1121) (-)

Ion 84.00 (83.70 to 84.70): VU030157.D (-1121) (-)



#30

1,1,1-Trichloroethane

Concen: 46.082 ug/L

RT: 4.91 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

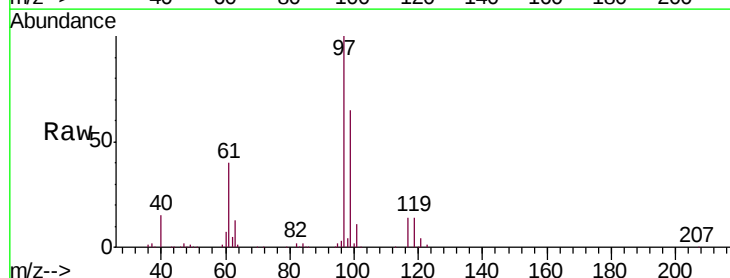
Tgt Ion: 97 Resp: 278817

Ion Ratio Lower Upper

97 100

99 65.2 52.2 78.2

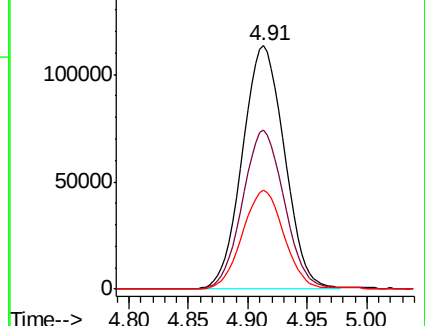
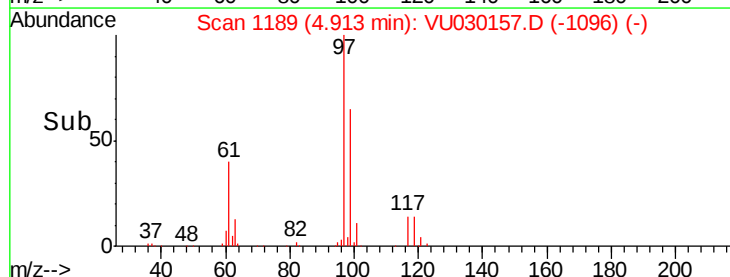
61 40.0 32.2 48.4

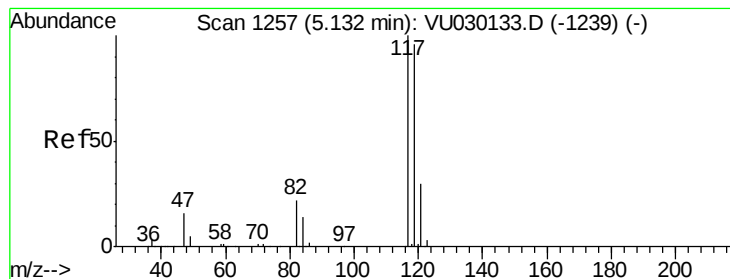


Abundance Ion 97.00 (96.70 to 97.70): VU030157.D (-1096) (-)

Ion 99.00 (98.70 to 99.70): VU030157.D (-1096) (-)

Ion 61.05 (60.75 to 61.75): VU030157.D (-1096) (-)





#31

Carbon tetrachloride

Concen: 44.883 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

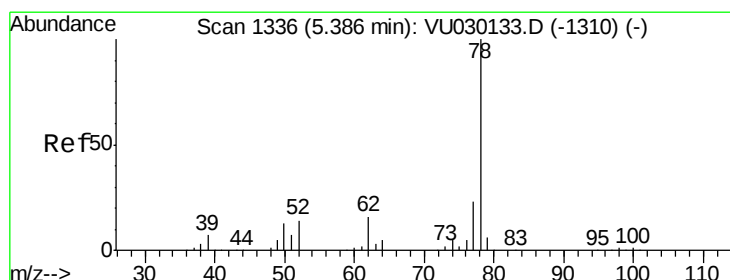
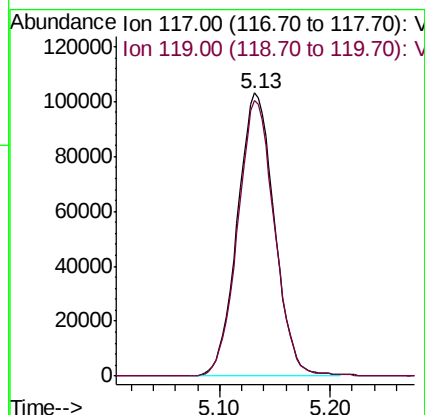
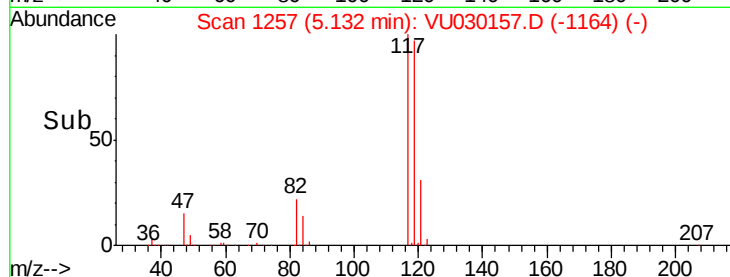
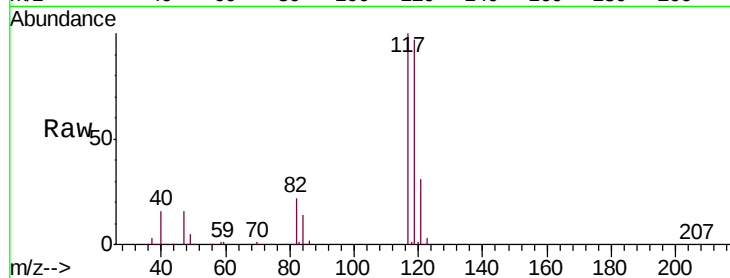
VSTD05042

Tgt Ion:117 Resp: 239798

Ion Ratio Lower Upper

117 100

119 96.8 77.3 115.9



#33

Benzene

Concen: 46.746 ug/L

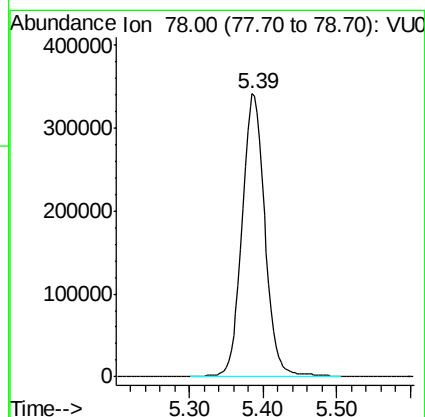
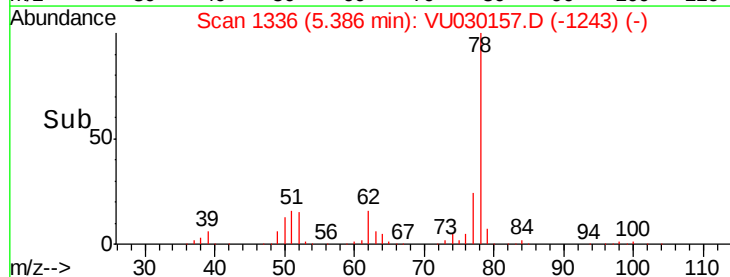
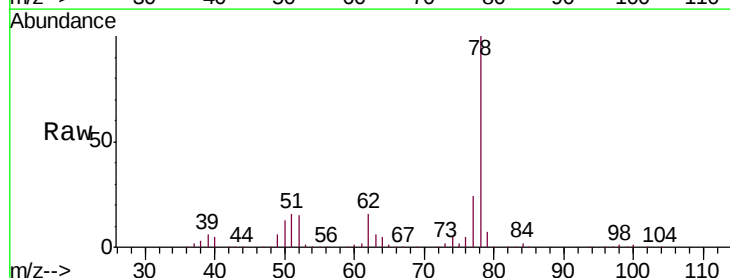
RT: 5.39 min Scan# 1336

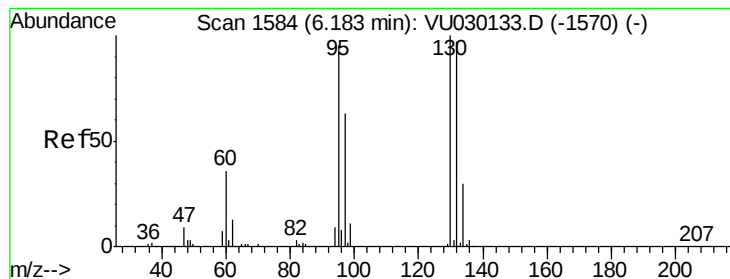
Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Tgt Ion: 78 Resp: 741370





#34

Trichloroethene

Concen: 45.228 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

Tgt Ion: 95 Resp: 187992

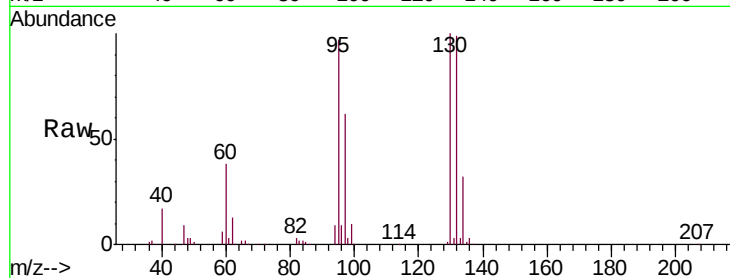
Ion Ratio Lower Upper

95 100

97 63.7 45.5 84.5

132 101.4 71.5 132.7

130 102.6 73.5 136.5

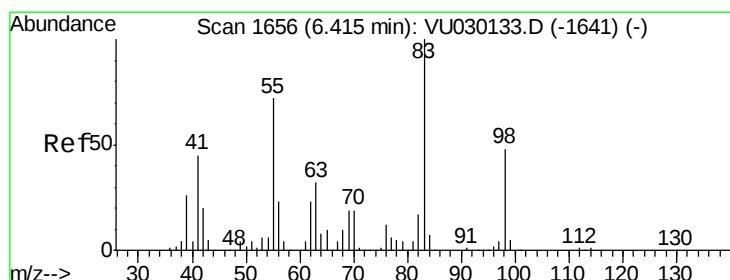
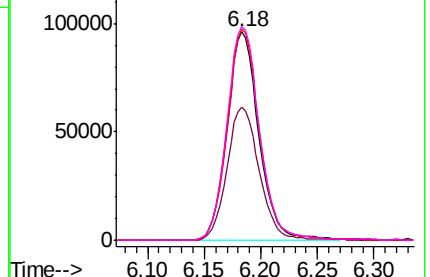
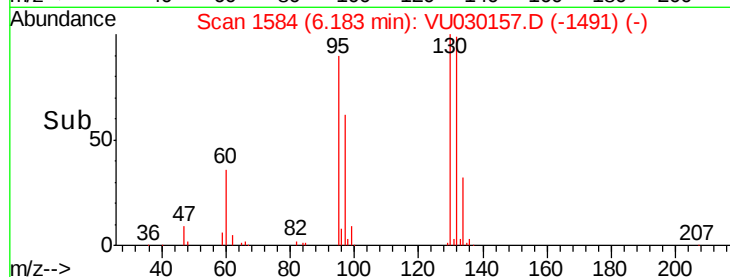


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 42.891 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

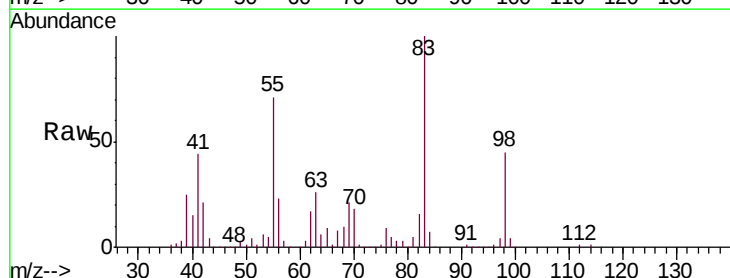
Tgt Ion: 83 Resp: 289099

Ion Ratio Lower Upper

83 100

55 71.7 56.6 84.8

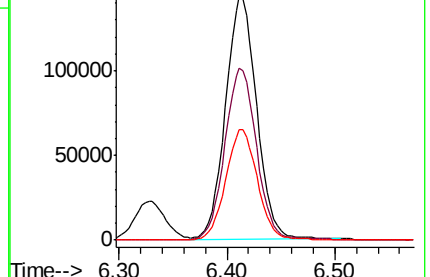
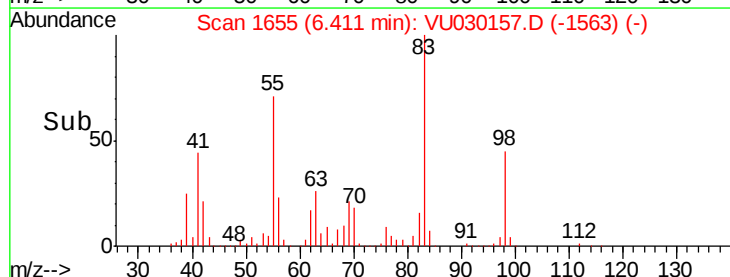
98 46.3 37.8 56.6

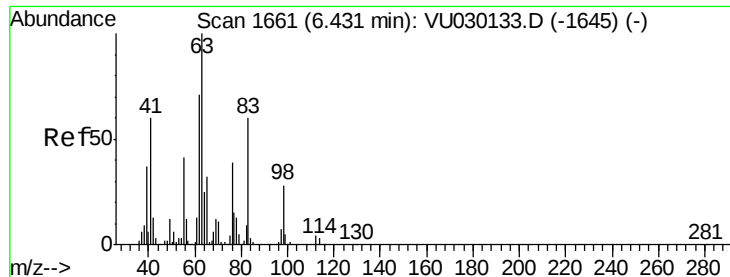


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

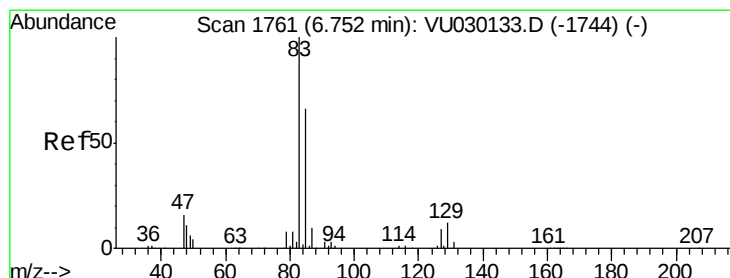
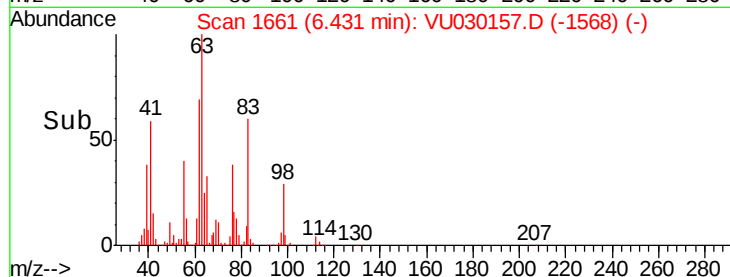
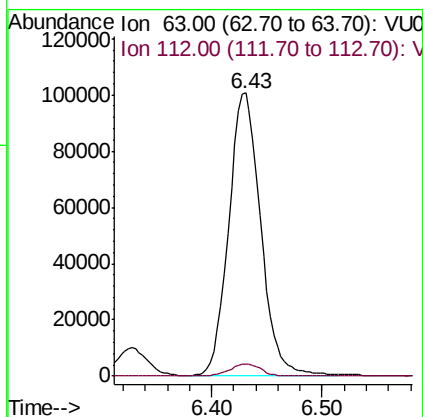
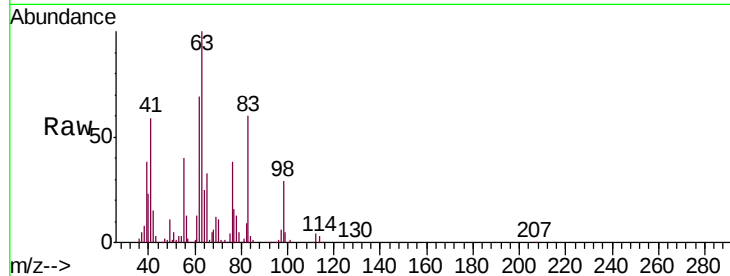




#37
 1,2-Dichloropropane
 Concen: 48.573 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

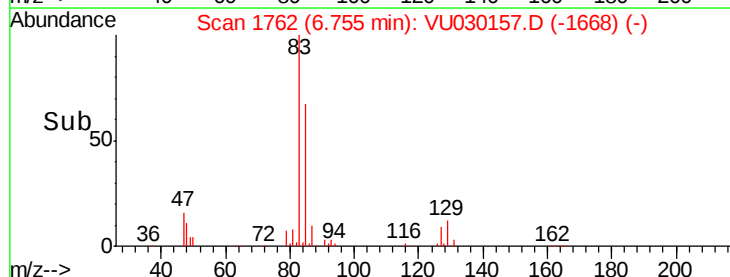
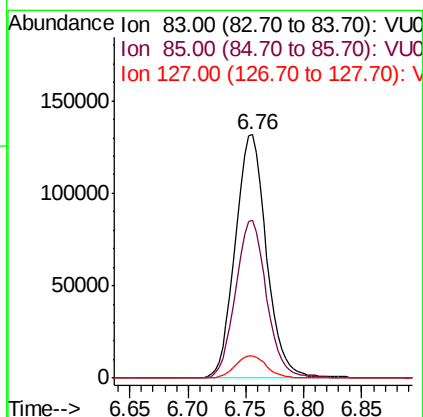
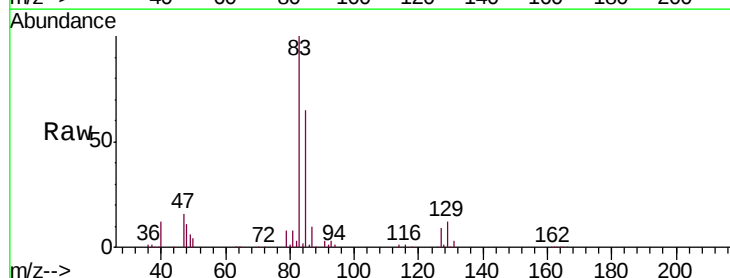
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

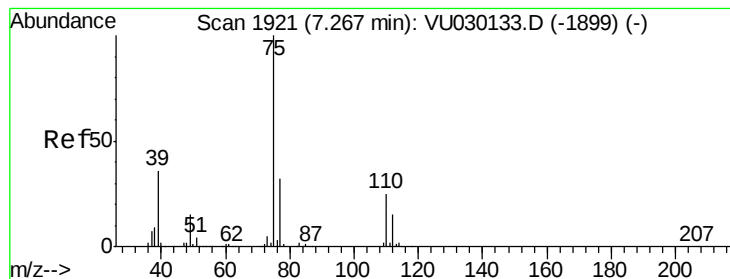
Tgt Ion: 63 Resp: 202627
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#38
 Bromodichloromethane
 Concen: 47.422 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

Tgt Ion: 83 Resp: 246001
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.7 84.9
 127 9.1 7.7 11.5



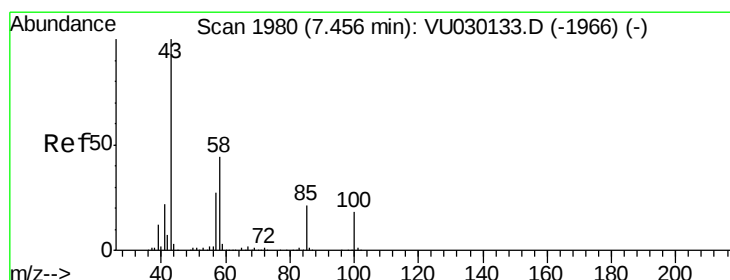
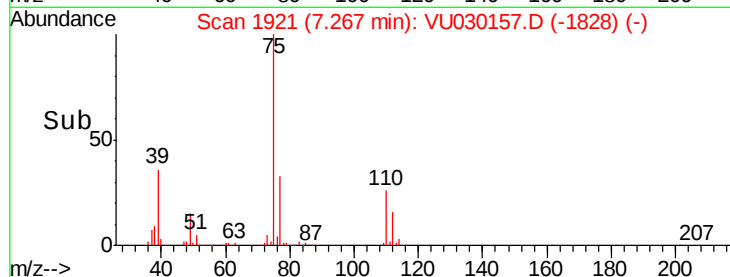
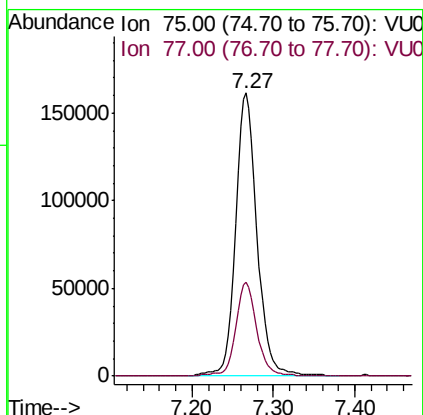
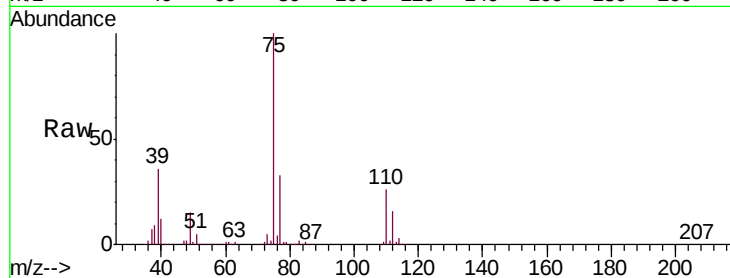


#39

cis-1,3-Dichloropropene
 Concen: 45.808 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

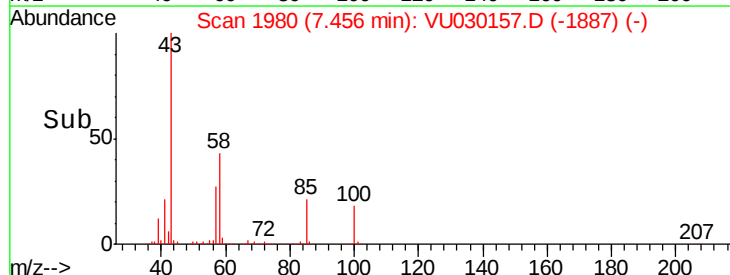
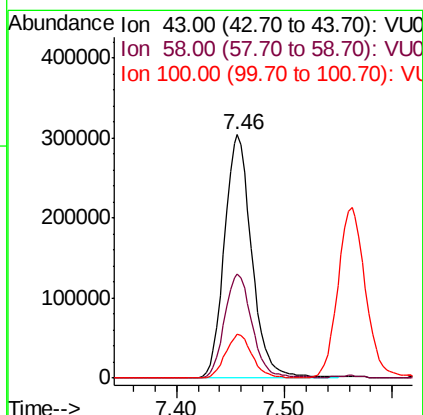
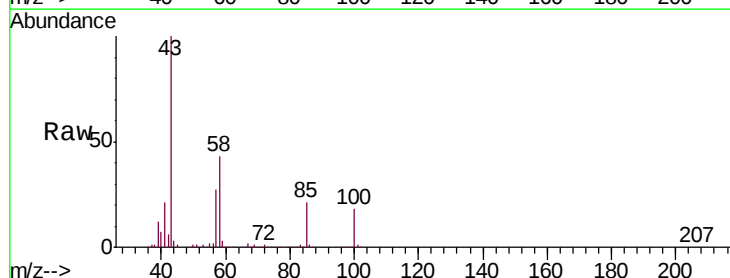
Tgt Ion: 75 Resp: 297376
 Ion Ratio Lower Upper
 75 100
 77 33.2 22.2 41.2

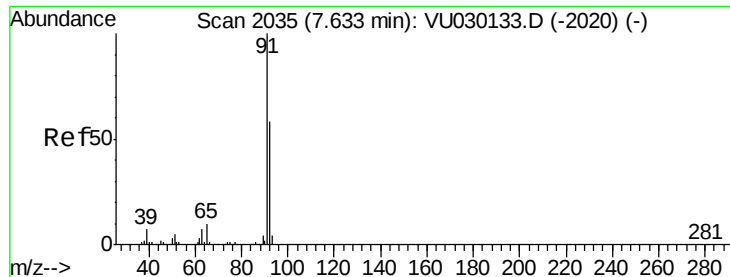


#40

4-Methyl-2-pentanone
 Concen: 95.584 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

Tgt Ion: 43 Resp: 538395
 Ion Ratio Lower Upper
 43 100
 58 43.3 35.1 52.7
 100 17.7 14.4 21.6





#42

Toluene

Concen: 46.600 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

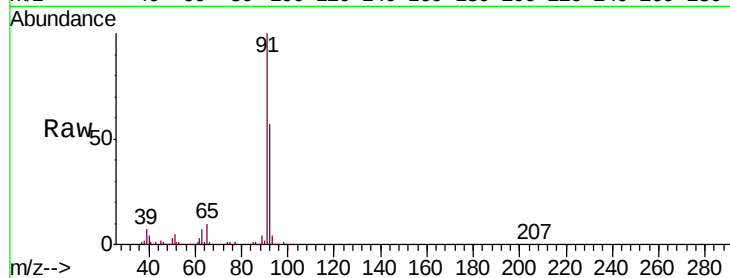
VSTD05042

Tgt Ion: 91 Resp: 803522

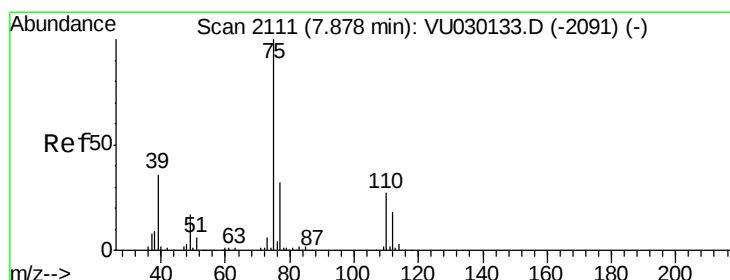
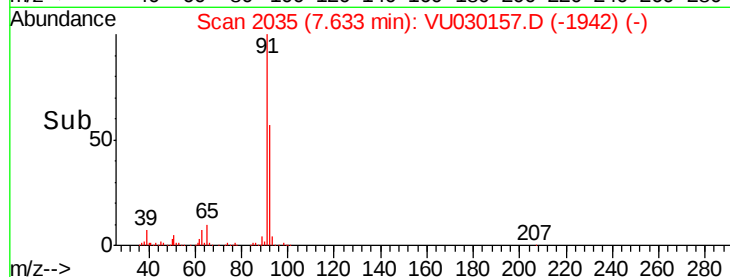
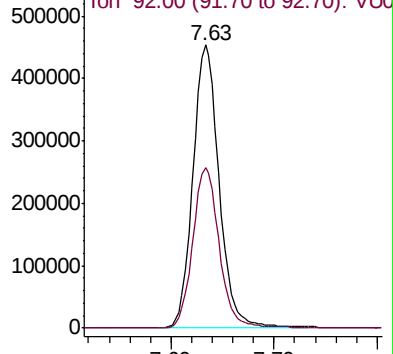
Ion Ratio Lower Upper

91 100

92 56.8 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VU030157.D (-1942) (-)



#44

trans-1,3-Dichloropropene

Concen: 46.016 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030157.D

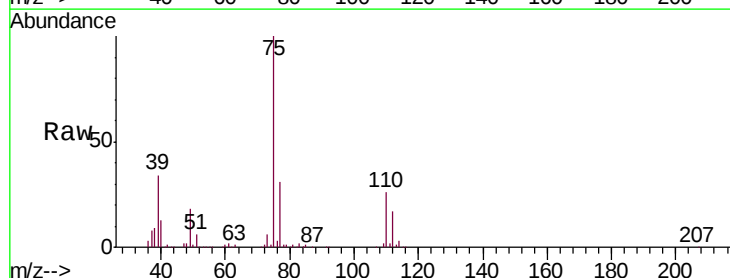
Acq: 16 Mar 2019 19:58

Tgt Ion: 75 Resp: 272753

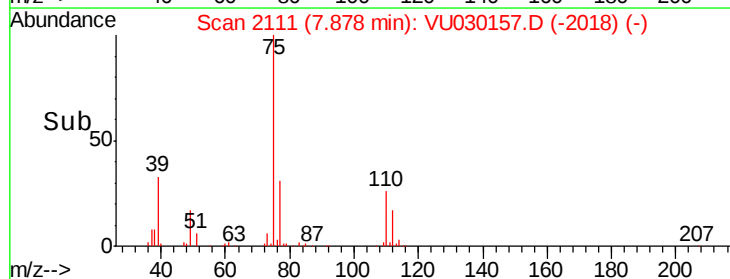
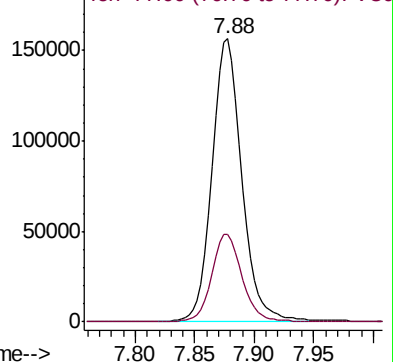
Ion Ratio Lower Upper

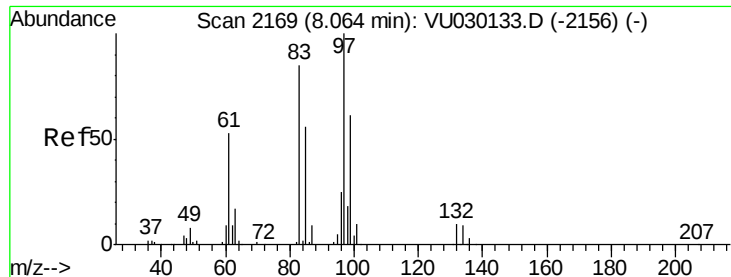
75 100

77 31.1 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VU030157.D (-2018) (-)

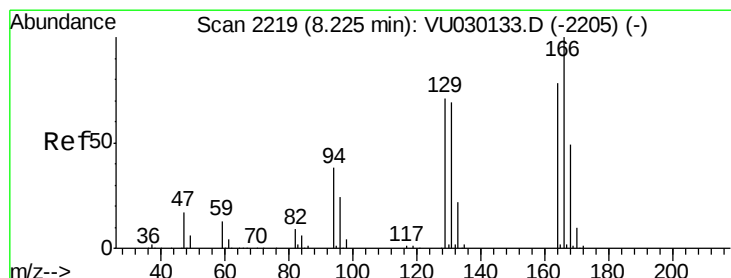
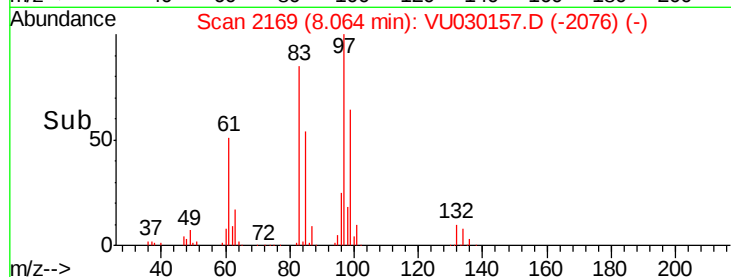
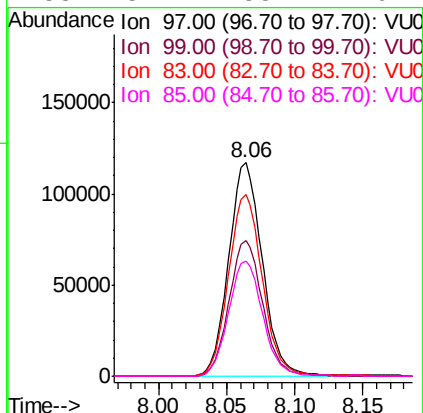
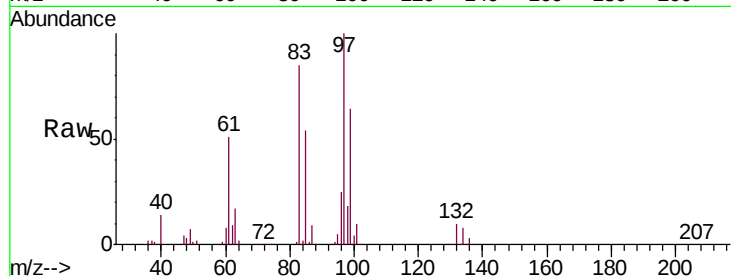




#45
 1,1,2-Trichloroethane
 Concen: 48.160 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

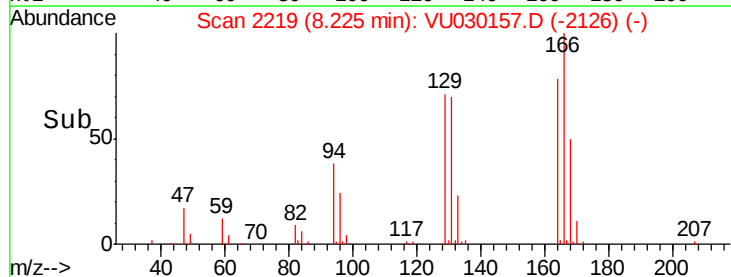
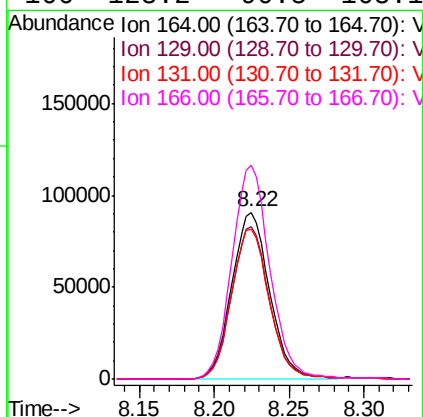
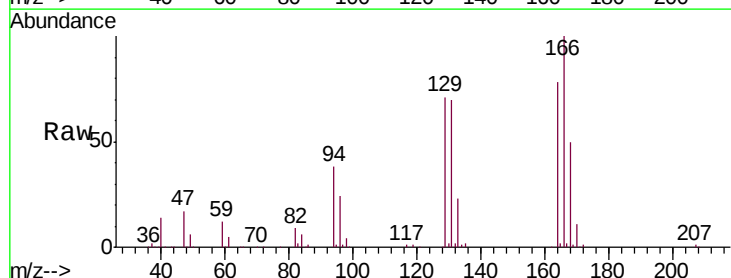
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

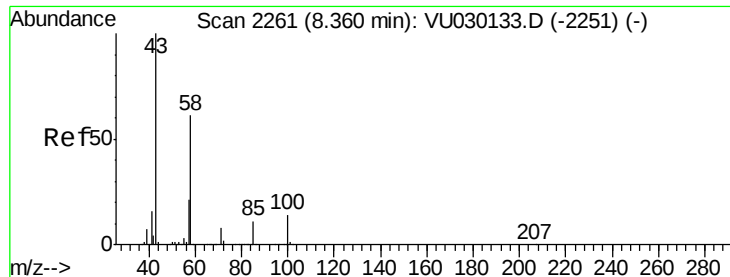
Tgt Ion:	97	Resp:	200918
Ion	Ratio	Lower	Upper
97	100		
99	63.8	44.7	82.9
83	85.0	58.6	108.8
85	54.2	38.1	70.7



#46
 Tetrachloroethene
 Concen: 44.062 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

Tgt Ion:	164	Resp:	160276
Ion	Ratio	Lower	Upper
164	100		
129	91.4	63.3	117.7
131	90.1	62.0	115.2
166	128.2	90.5	168.1

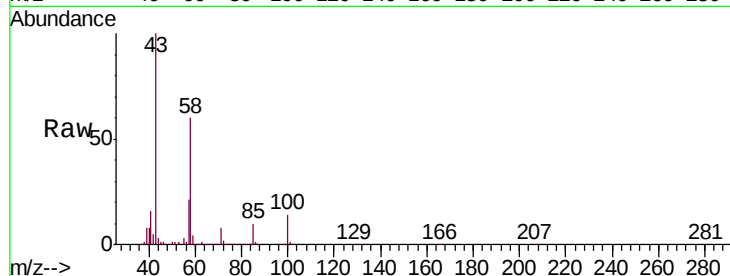




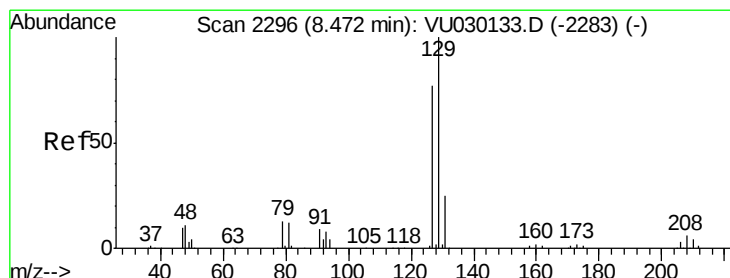
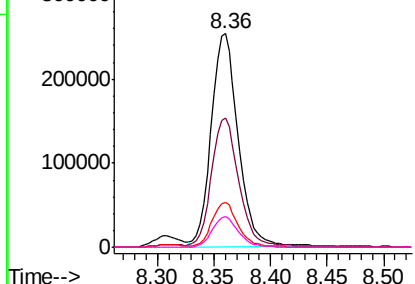
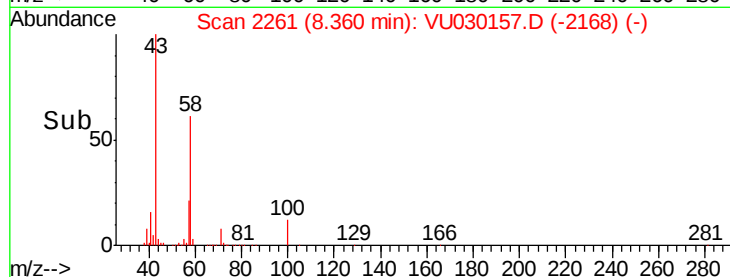
#48
2-Hexanone
Concen: 88.164 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030157.D
Acq: 16 Mar 2019 19:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion:	43	Resp:	423654
Ion	Ratio	Lower	Upper
43	100		
58	61.4	48.6	72.8
57	20.0	16.1	24.1
100	13.9	11.6	17.4

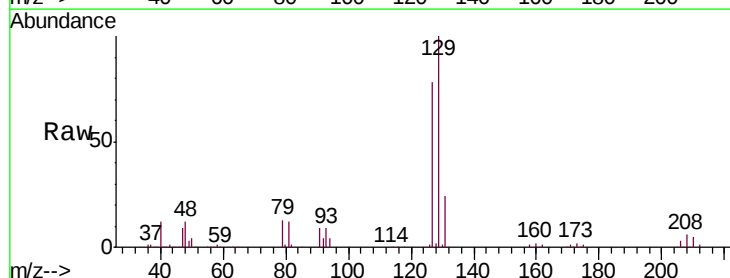


Abundance Ion 43.00 (42.70 to 43.70): VU030157.D (-2168) (-)
Ion 58.00 (57.70 to 58.70): VU030157.D (-2168) (-)
Ion 57.00 (56.70 to 57.70): VU030157.D (-2168) (-)
Ion 100.00 (99.70 to 100.70): VU030157.D (-2168) (-)

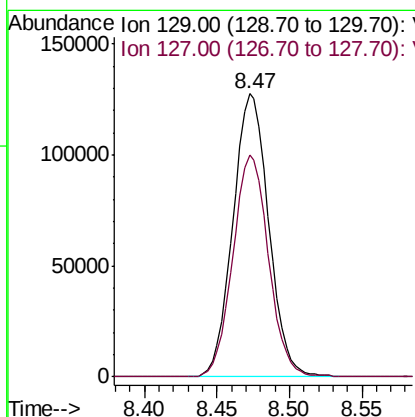
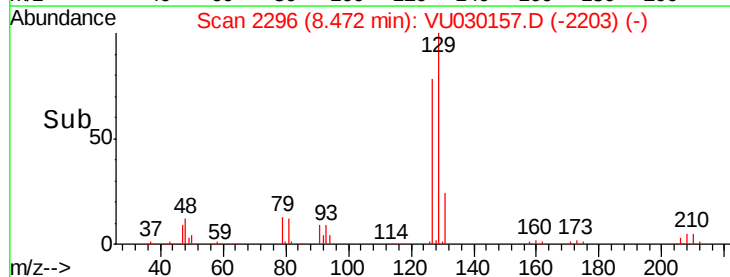


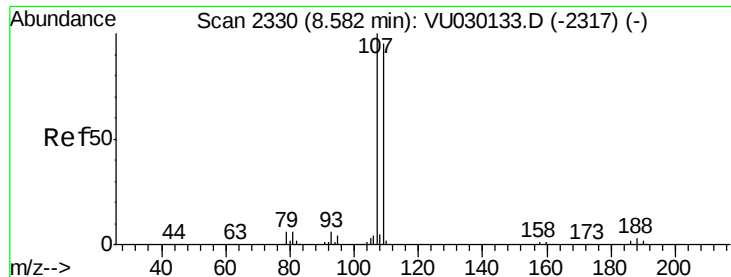
#49
Dibromochloromethane
Concen: 47.014 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030157.D
Acq: 16 Mar 2019 19:58

Tgt Ion:	129	Resp:	219140
Ion	Ratio	Lower	Upper
129	100		
127	78.4	55.2	102.4



Abundance Ion 129.00 (128.70 to 129.70): VU030157.D (-2203) (-)
Ion 127.00 (126.70 to 127.70): VU030157.D (-2203) (-)

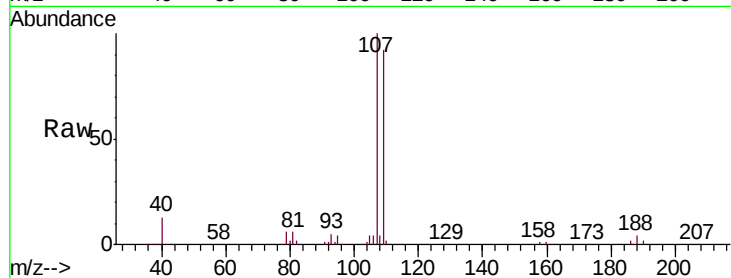




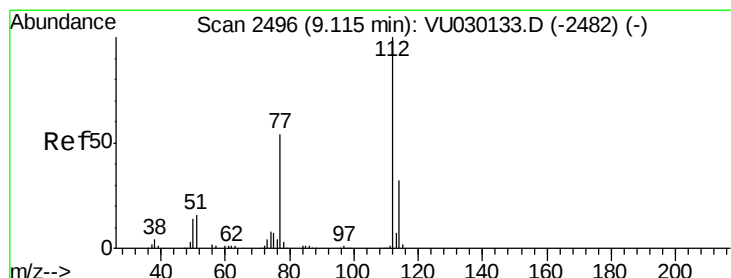
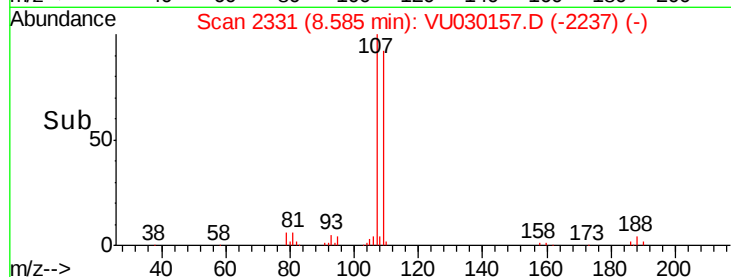
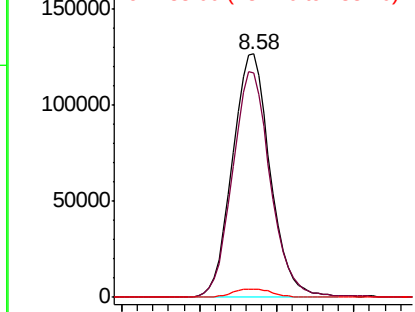
#50
 1,2-Dibromoethane
 Concen: 46.894 ug/L
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion:107 Resp: 215642
 Ion Ratio Lower Upper
 107 100
 109 92.0 67.8 126.0
 188 3.6 3.2 4.8

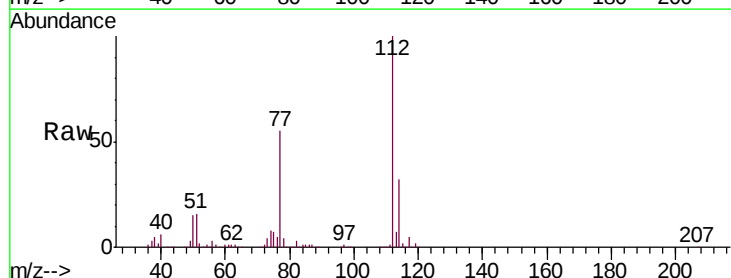


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

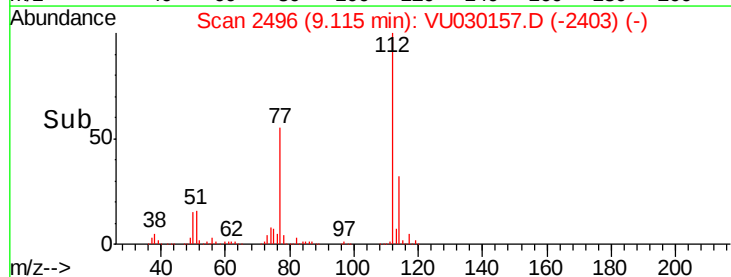
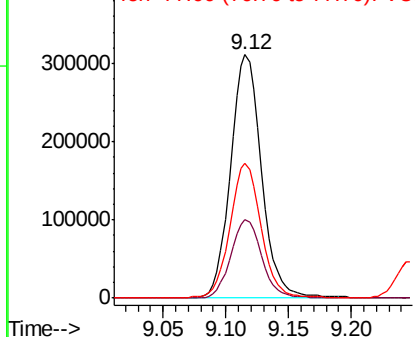


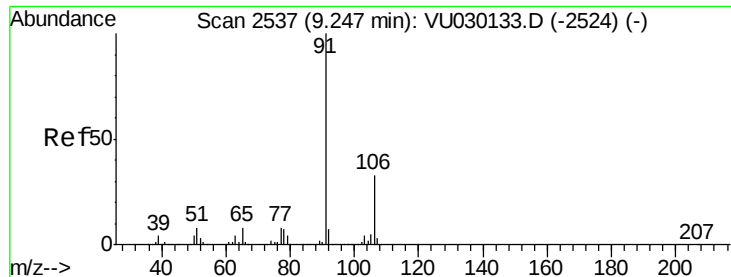
#51
 Chlorobenzene
 Concen: 45.827 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

Tgt Ion:112 Resp: 532735
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.5 41.9
 77 55.2 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): V





#52

Ethylbenzene

Concen: 46.228 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

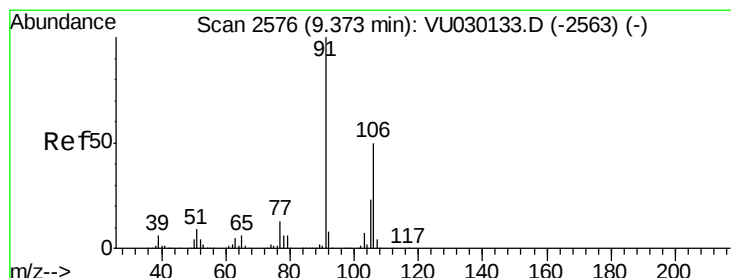
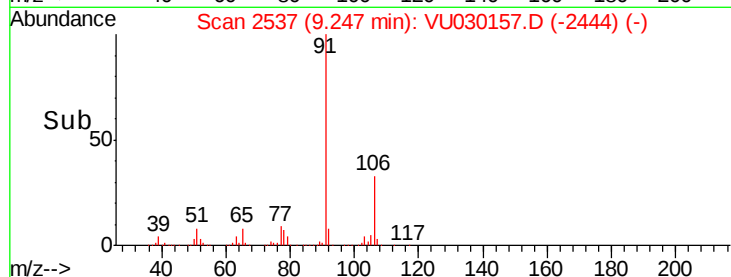
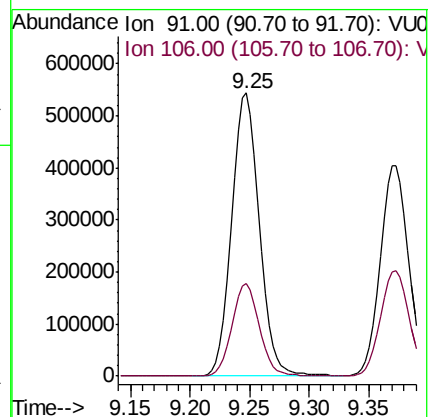
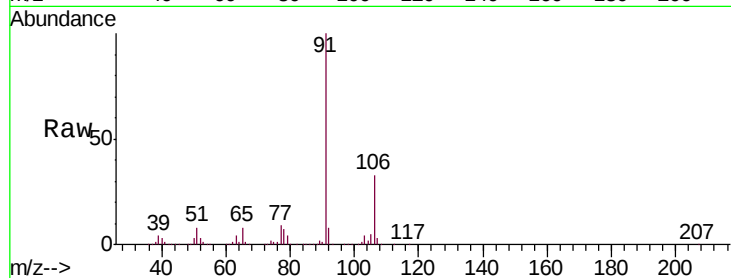
VSTD05042

Tgt Ion: 91 Resp: 877504

Ion Ratio Lower Upper

91 100

106 32.9 22.5 41.9



#53

m,p-Xylene

Concen: 46.624 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030157.D

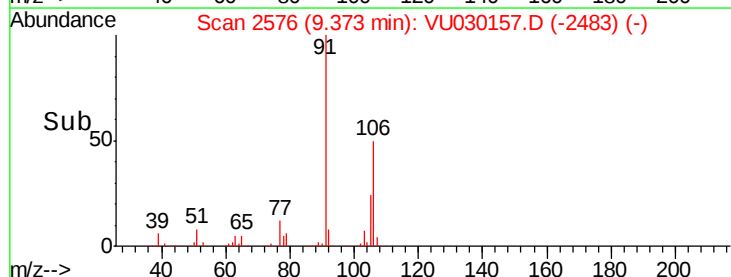
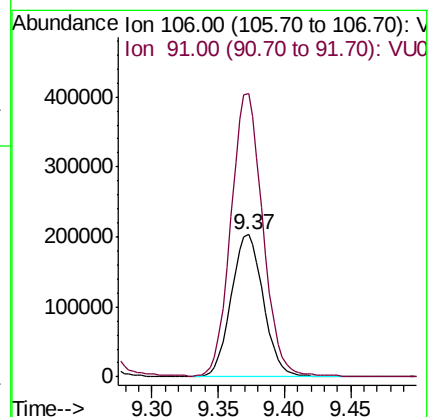
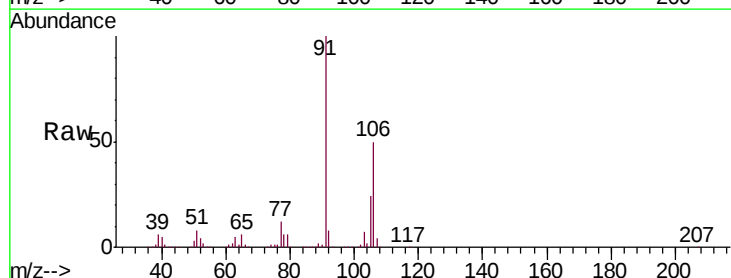
Acq: 16 Mar 2019 19:58

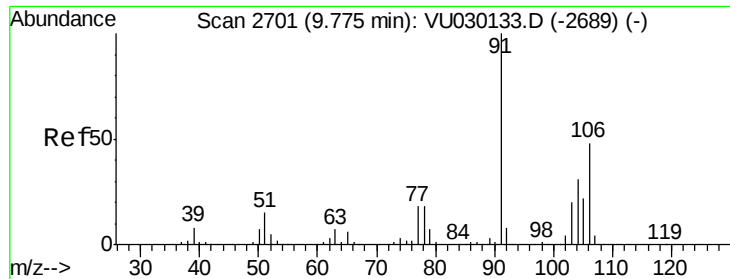
Tgt Ion: 106 Resp: 342416

Ion Ratio Lower Upper

106 100

91 198.9 135.1 250.9





#54

o-xylene

Concen: 46.770 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

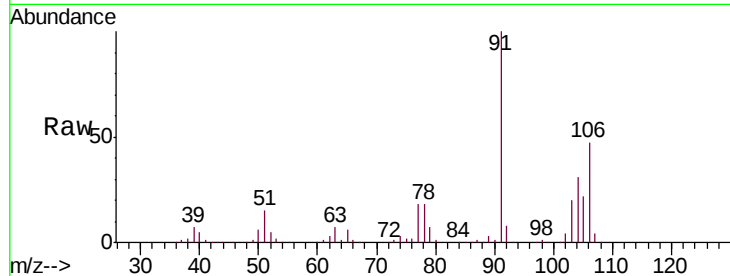
VSTD05042

Tgt Ion:106 Resp: 337382

Ion Ratio Lower Upper

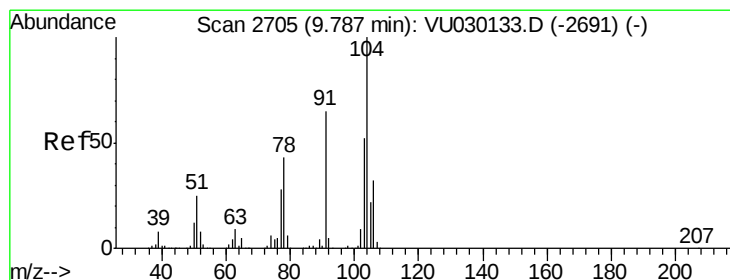
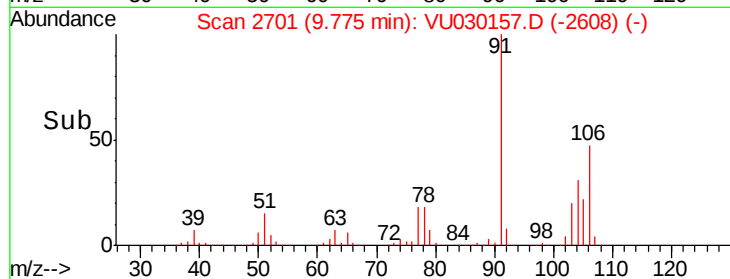
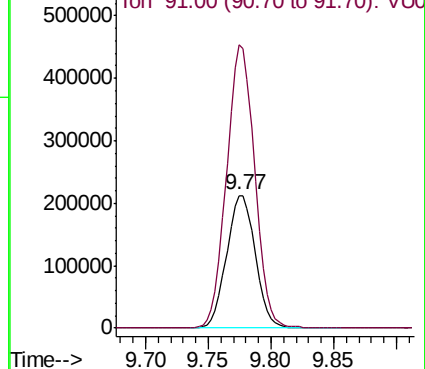
106 100

91 213.1 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 47.437 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU030157.D

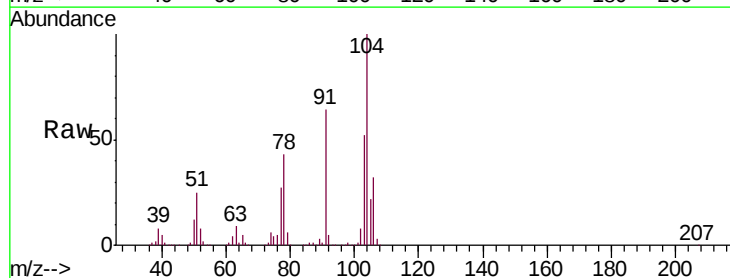
Acq: 16 Mar 2019 19:58

Tgt Ion:104 Resp: 582674

Ion Ratio Lower Upper

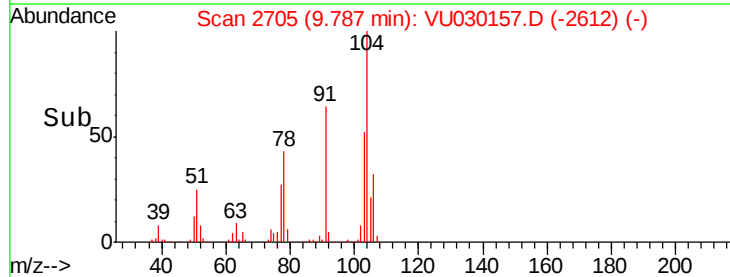
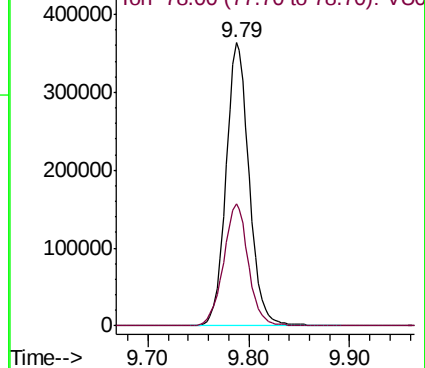
104 100

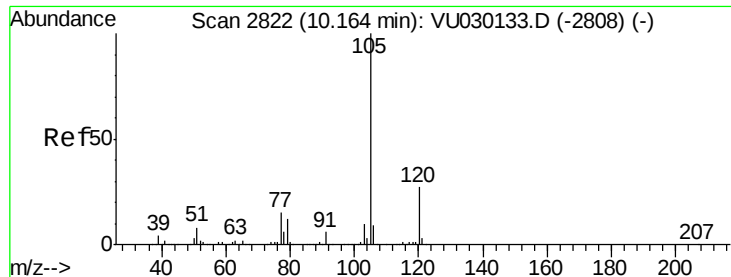
78 43.1 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 46.787 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

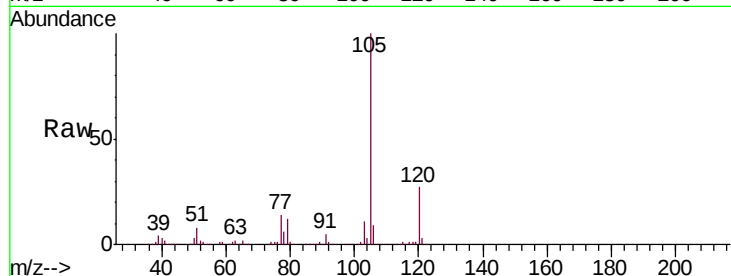
Tgt Ion: 105 Resp: 883574

Ion Ratio Lower Upper

105 100

120 26.8 21.7 32.5

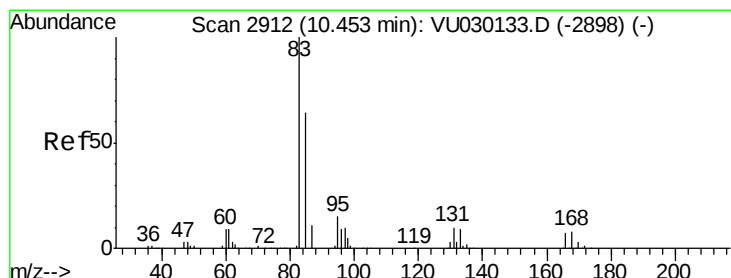
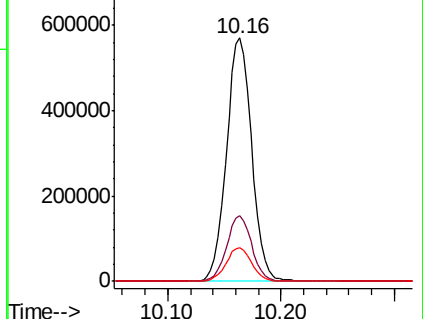
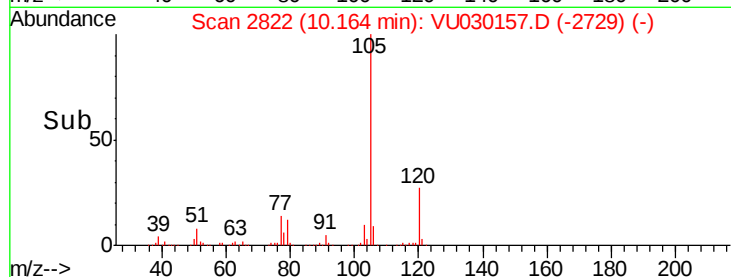
77 14.0 11.1 16.7



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: 48.208 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

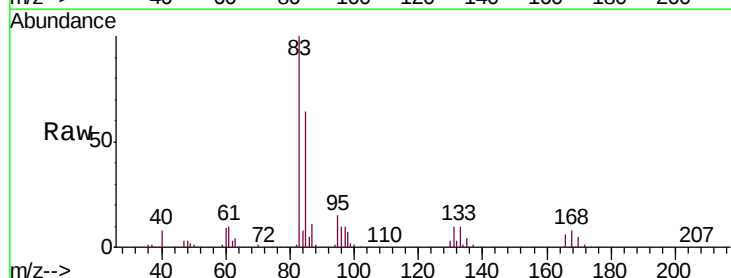
Tgt Ion: 83 Resp: 345192

Ion Ratio Lower Upper

83 100

85 63.9 45.9 85.3

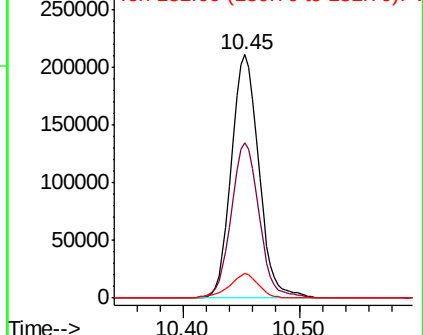
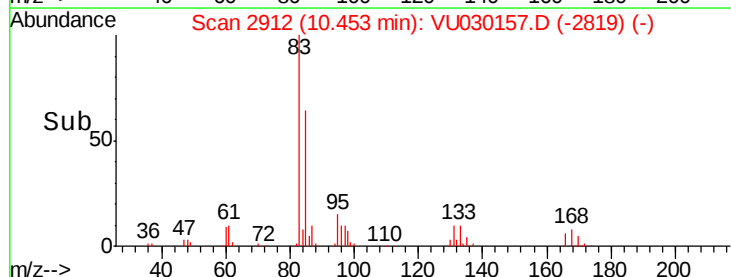
131 9.9 8.5 12.7

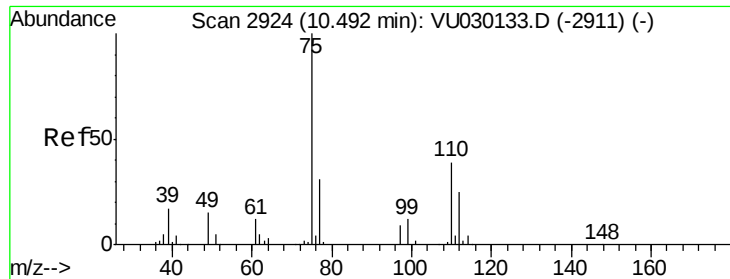


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

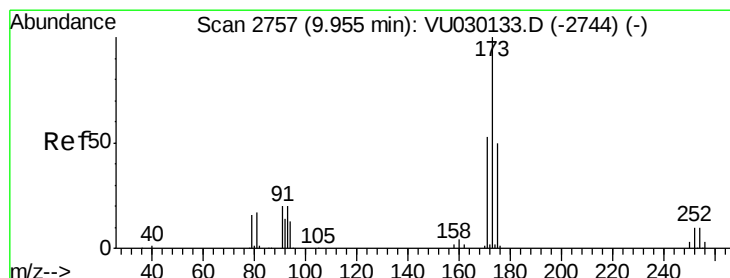
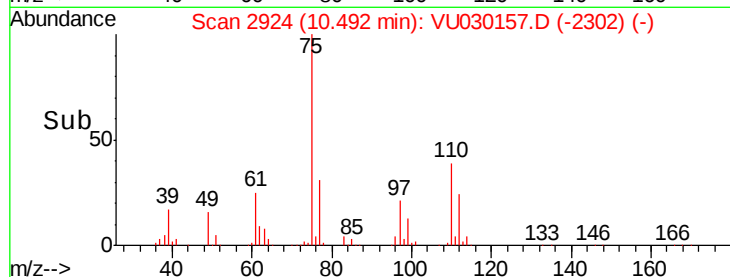
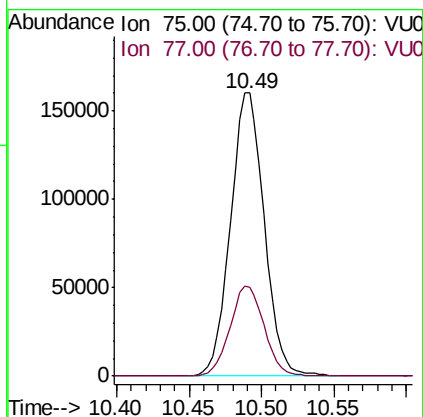
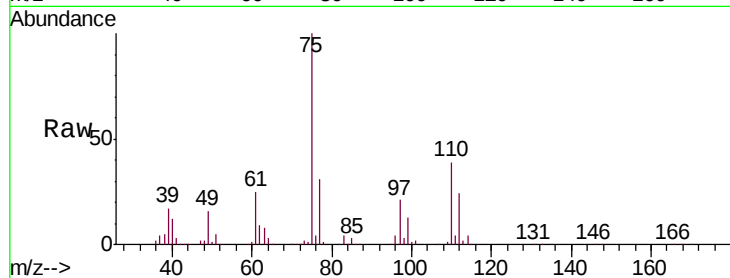




#59
 1,2,3-Trichloropropane
 Concen: 47.642 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

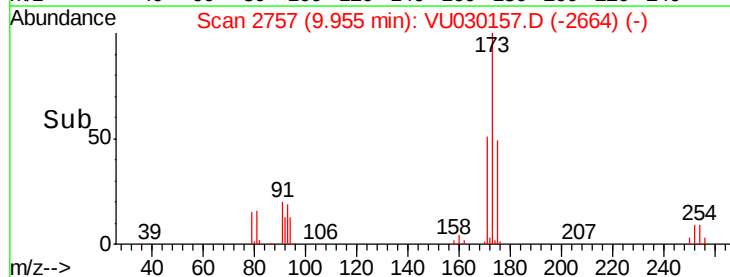
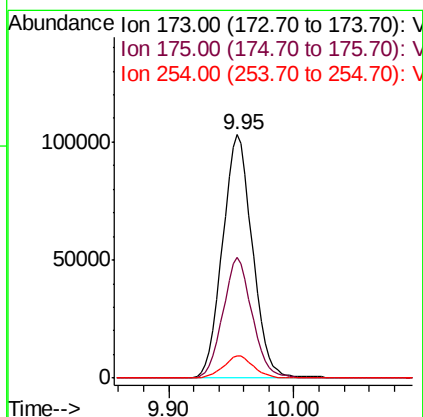
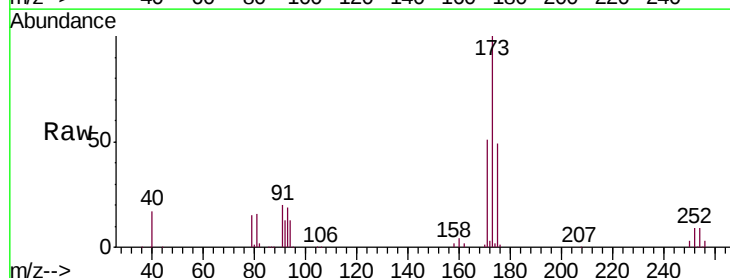
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

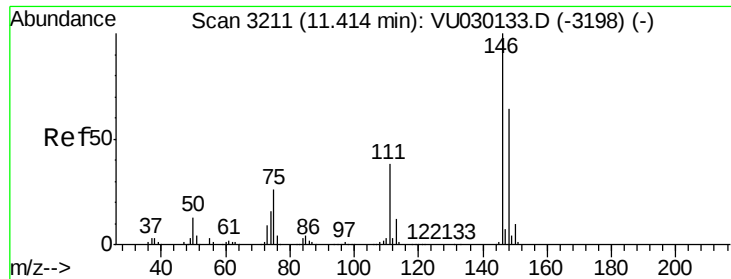
Tgt Ion: 75 Resp: 258832
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#61
 Bromoform
 Concen: 48.407 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

Tgt Ion: 173 Resp: 171226
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.0 58.6
 254 9.2 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 46.117 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

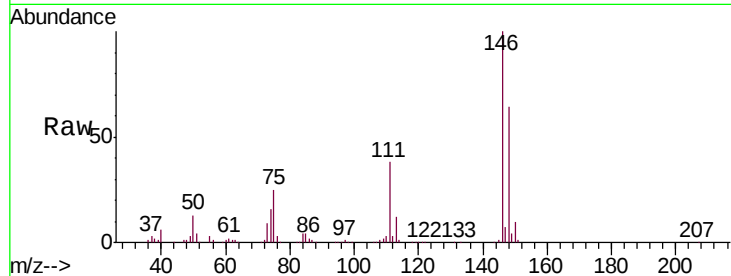
Tgt Ion:146 Resp: 423229

Ion Ratio Lower Upper

146 100

111 37.8 26.7 49.5

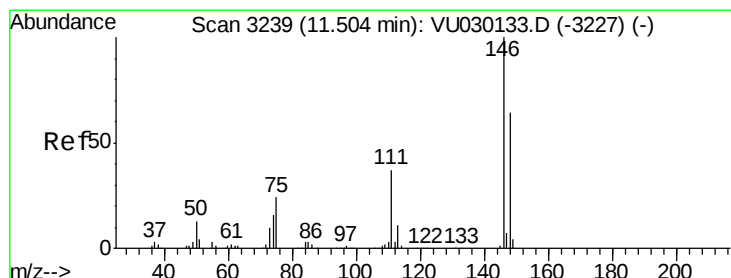
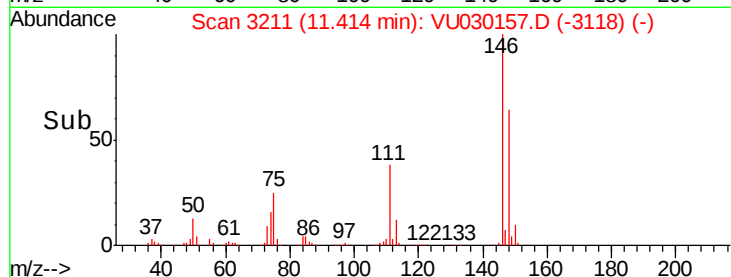
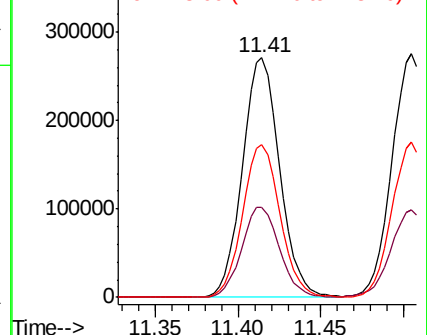
148 64.0 44.9 83.5



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: 46.352 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

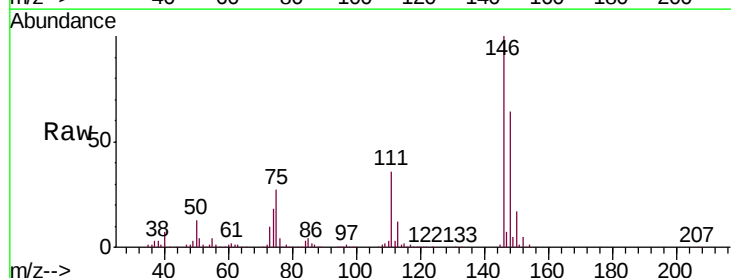
Tgt Ion:146 Resp: 432544

Ion Ratio Lower Upper

146 100

111 36.1 25.5 47.3

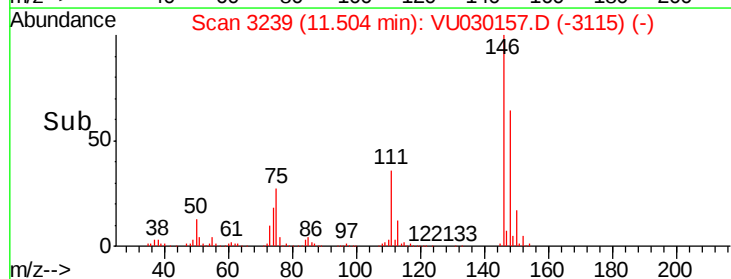
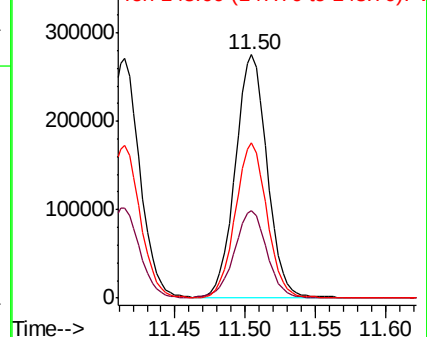
148 63.6 45.0 83.6

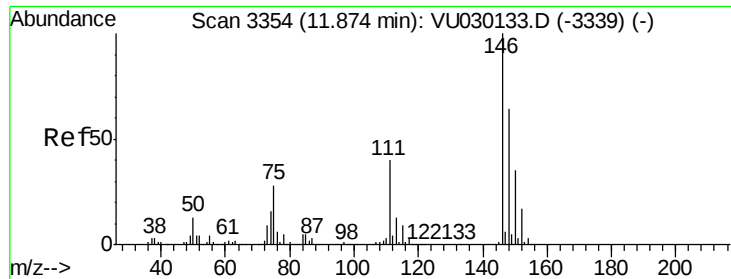


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

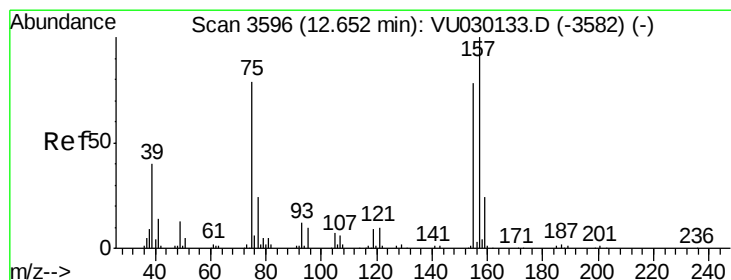
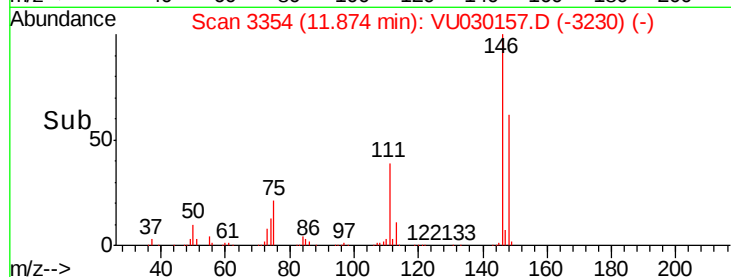
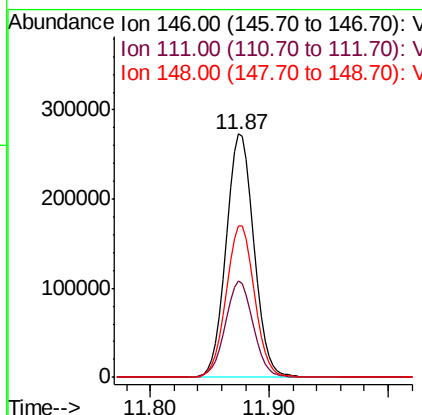
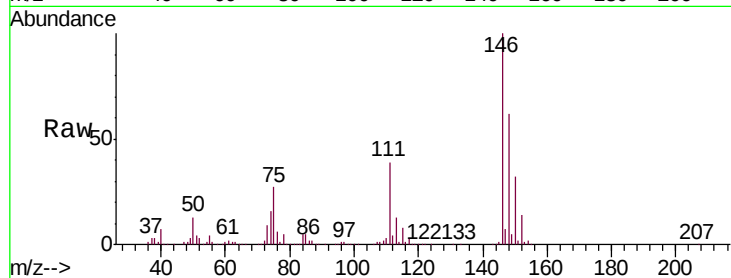




#65
 1,2-Dichlorobenzene
 Concen: 48.000 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

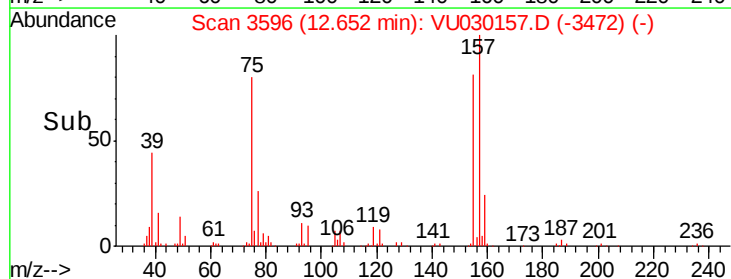
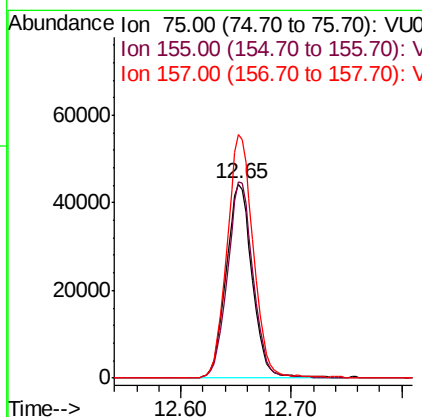
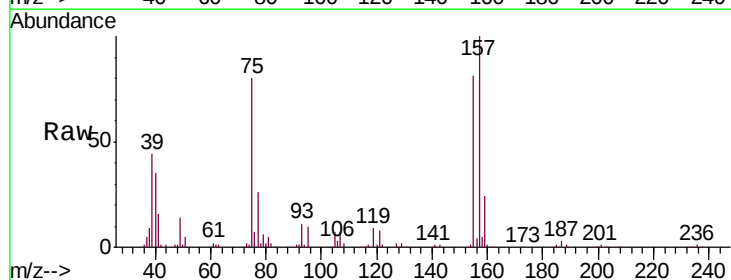
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05042

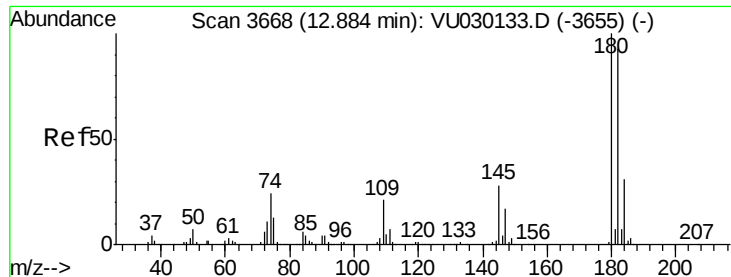
Tgt Ion: 146 Resp: 443405
 Ion Ratio Lower Upper
 146 100
 111 39.5 30.9 46.3
 148 62.2 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.418 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

Tgt Ion: 75 Resp: 72682
 Ion Ratio Lower Upper
 75 100
 155 101.1 80.9 121.3
 157 125.3 104.6 156.8

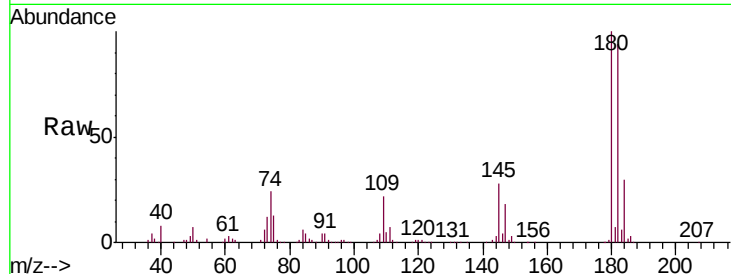




#67
 1,3,5-Trichlorobenzene
 Concen: 45.433 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.3	114.5
184	30.2	24.7	37.1
145	28.2	22.3	33.5



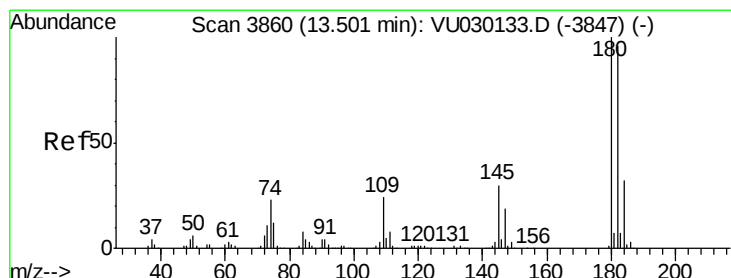
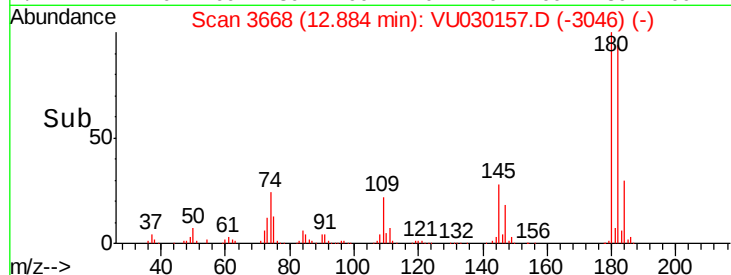
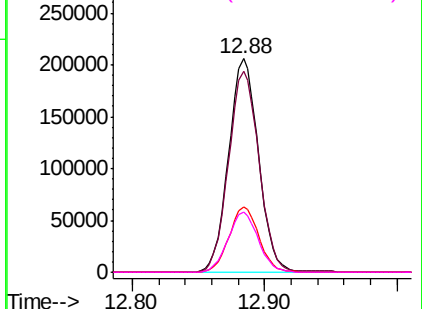
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

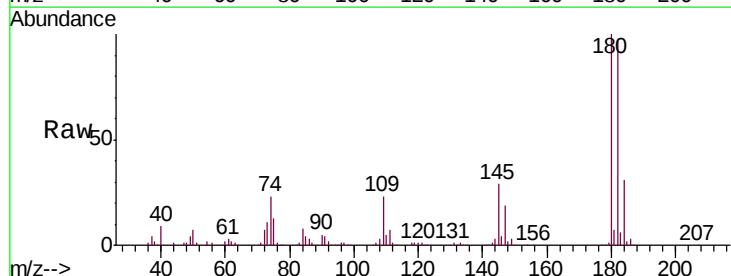
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 43.950 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030157.D
 Acq: 16 Mar 2019 19:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.1	114.1
145	29.5	23.0	34.4

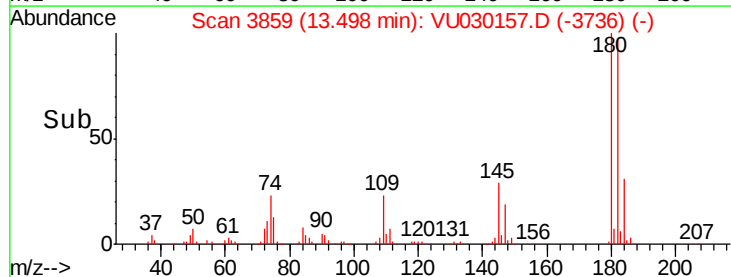
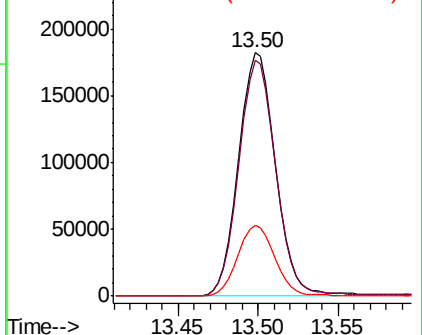


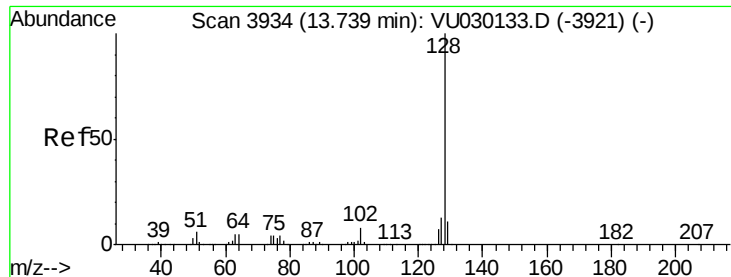
Abundance

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: 44.984 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

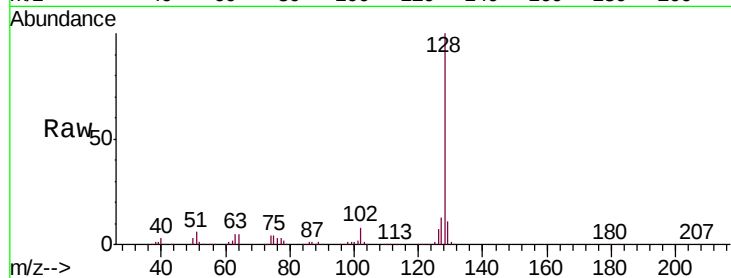
Tgt Ion:128 Resp: 952297

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

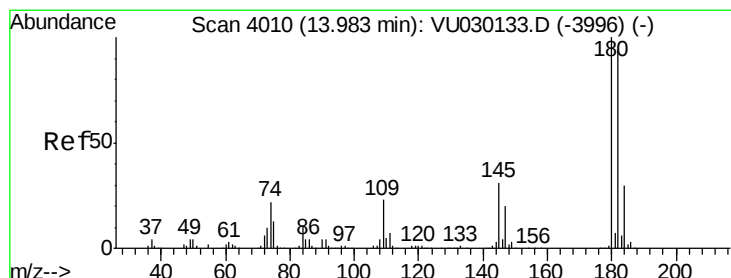
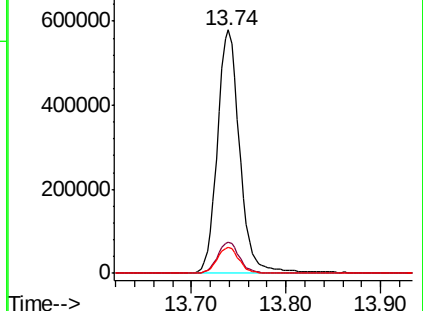
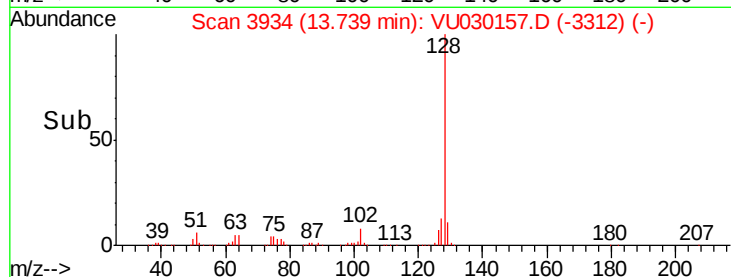
129 10.5 8.7 13.1



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: 45.344 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030157.D

Acq: 16 Mar 2019 19:58

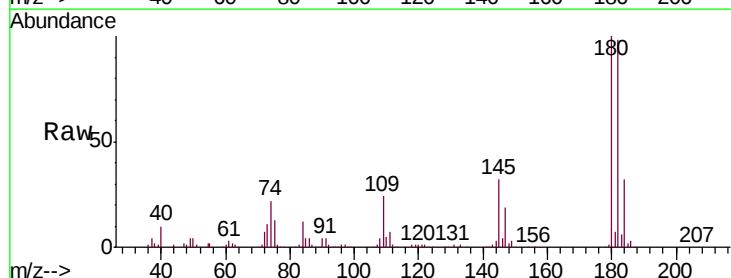
Tgt Ion:180 Resp: 306923

Ion Ratio Lower Upper

180 100

182 95.2 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

