

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041919\
 Data File : VU031303.D
 Acq On : 18 Apr 2019 13:32
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Quant Time: Apr 19 04:33:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 04:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	209538	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	201754	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	94481	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	112129	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.68	69	92675	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.27	63	228175	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.40%
20) 2-Butanone-d5	4.21	46	231653	51.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.60%
24) Chloroform-d	4.64	84	145628	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.31	65	79173	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.34	84	282801	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.33	67	90107	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.56	98	255191	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	7.85	79	36712	5.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.80%
46) 2-Hexanone-d5	8.31	63	170644	52.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	77046	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	86805	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	119098	4.941 ug/L	99
3) Chloromethane	1.32	50	153663	4.711 ug/L	98
5) Vinyl chloride	1.40	62	157560	4.742 ug/L	99
6) Bromomethane	1.63	94	91231	4.954 ug/L	96
8) Chloroethane	1.70	64	93868	4.953 ug/L	98
9) Trichlorofluoromethane	1.88	101	199454	4.772 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	112755	4.993 ug/L	99
12) 1,1-Dichloroethene	2.28	96	108396	4.820 ug/L	99
13) Acetone	2.35	43	241744	48.115 ug/L	99
14) Carbon disulfide	2.47	76	367306	4.891 ug/L	99
15) Methyl Acetate	2.62	43	64628	4.706 ug/L	100
16) Methylene chloride	2.70	84	123620	4.527 ug/L	95
17) Methyl tert-butyl Ether	3.00	73	300509	4.987 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	114213	4.814 ug/L	98
19) 1,1-Dichloroethane	3.43	63	170512	5.150 ug/L	97
21) 2-Butanone	4.30	43	250426	48.497 ug/L	96
22) cis-1,2-Dichloroethene	4.22	96	84008	4.580 ug/L	96

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 Data File : VU031303.D
 Acq On : 18 Apr 2019 13:32
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

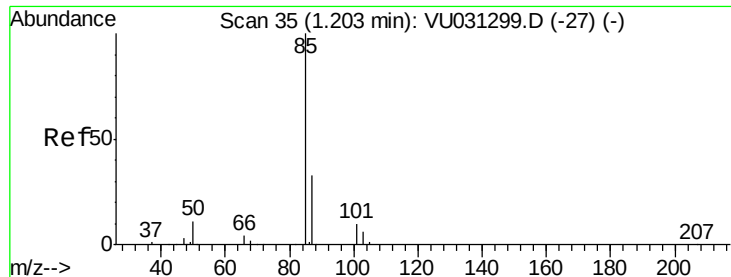
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	40686	4.977	ug/L	99
25) Chloroform	4.67	83	156334	4.793	ug/L	99
27) 1,2-Dichloroethane	5.40	62	99426	4.728	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	133932	4.916	ug/L	99
30) Cyclohexane	4.99	56	132902	4.789	ug/L	97
31) Carbon tetrachloride	5.13	117	118405	4.867	ug/L	97
33) Benzene	5.38	78	331232	4.837	ug/L	100
34) Trichloroethene	6.18	95	86211	4.657	ug/L	98
35) Methylcyclohexane	6.41	83	121002	4.747	ug/L	98
37) 1,2-Dichloropropane	6.43	63	82872	4.591	ug/L	100
38) Bromodichloromethane	6.76	83	110746	4.917	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	122333	5.077	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	572663	49.401	ug/L	99
42) Toluene	7.63	91	346478	5.018	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	97978	4.918	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	61088	4.749	ug/L	96
47) Tetrachloroethene	8.22	164	69524	5.041	ug/L	95
48) 2-Hexanone	8.37	43	406016	49.350	ug/L	100
49) Dibromochloromethane	8.47	129	76391	4.964	ug/L	99
50) 1,2-Dibromoethane	8.58	107	62347	5.118	ug/L #	93
51) Chlorobenzene	9.12	112	214548	4.963	ug/L	98
52) Ethylbenzene	9.25	91	353714	4.959	ug/L	99
53) m,p-Xylene	9.37	106	132607	5.175	ug/L	97
54) o-Xylene	9.78	106	129525	5.129	ug/L	98
55) Styrene	9.79	104	218265	5.204	ug/L	99
56) Isopropylbenzene	10.16	105	341360	5.149	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	78113	4.751	ug/L	93
59) 1,2,3-Trichloropropane	10.49	75	56042	4.757	ug/L	99
61) Bromoform	9.95	173	43974	4.841	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	156478	5.036	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	152371	4.867	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	153709	4.860	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	12133	4.713	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.88	180	119973	4.701	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	93741	5.093	ug/L	97
69) Naphthalene	13.74	128	163577	4.527	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	99444	5.216	ug/L	99

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

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Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1



#2

Dichlorodifluoromethane

Concen: 4.941 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

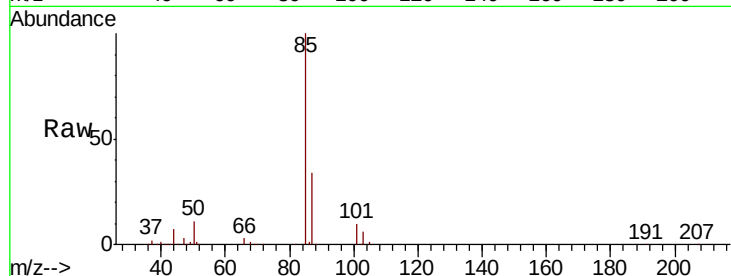
VSTD00542

Tgt Ion: 85 Resp: 119098

Ion Ratio Lower Upper

85 100

87 33.2 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU031299.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031299.D (-27) (-)

1.20

120000

100000

80000

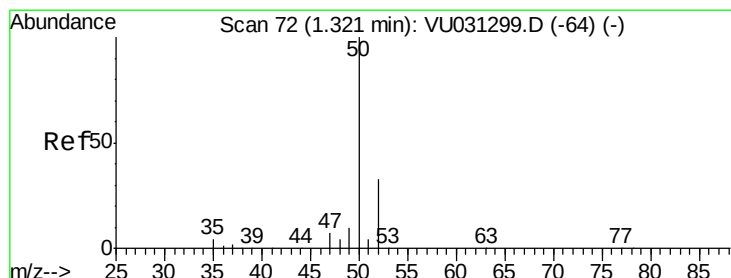
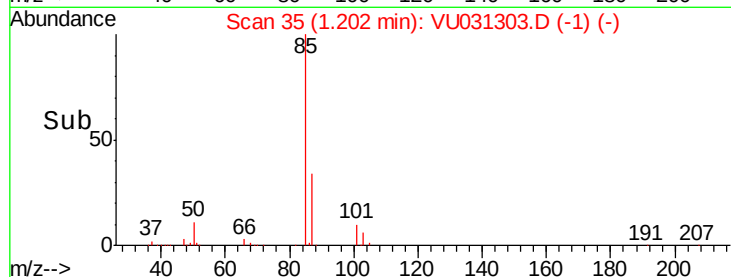
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 4.711 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031303.D

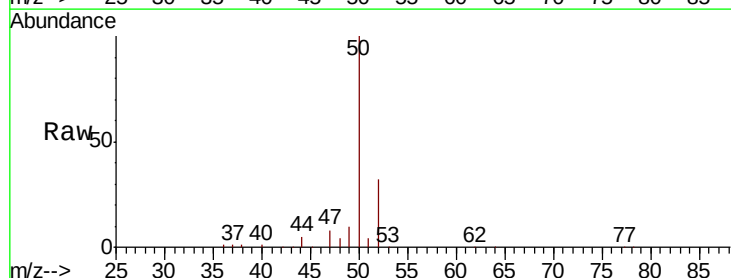
Acq: 18 Apr 2019 13:32

Tgt Ion: 50 Resp: 153663

Ion Ratio Lower Upper

50 100

52 32.2 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU031299.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU031299.D (-64) (-)

1.32

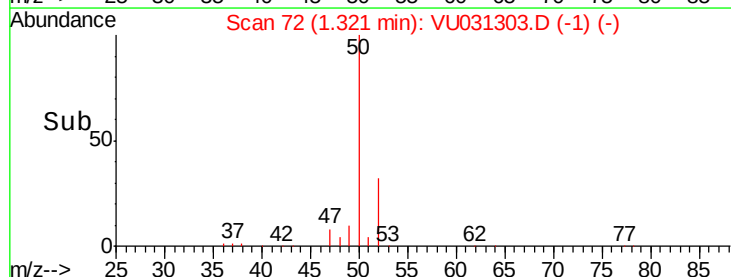
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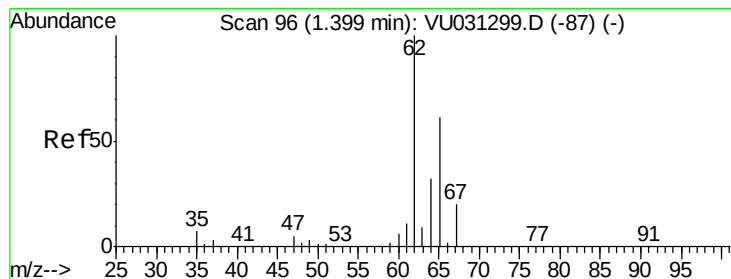
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.742 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

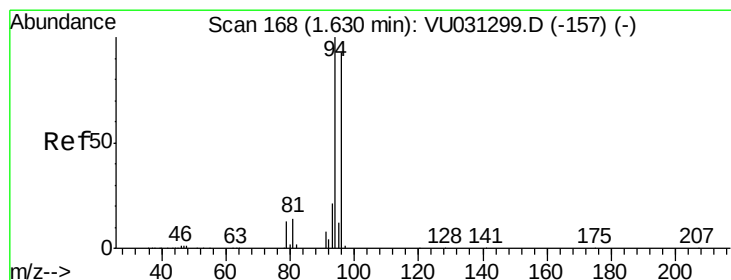
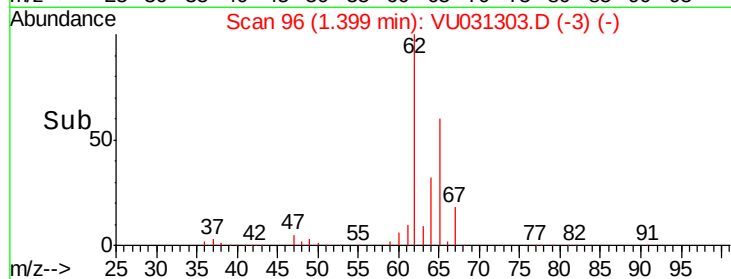
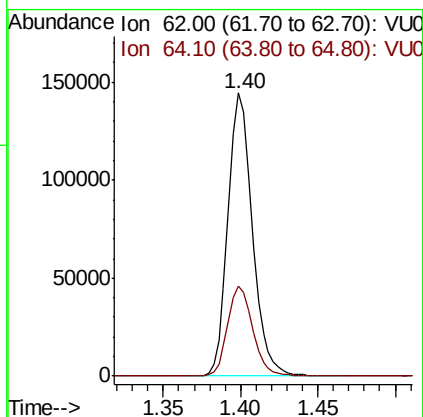
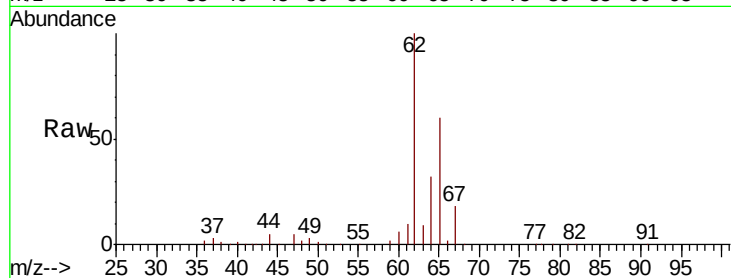
VSTD00542

Tgt Ion: 62 Resp: 157560

Ion Ratio Lower Upper

62 100

64 31.7 22.5 41.7



#6

Bromomethane

Concen: 4.954 ug/L

RT: 1.63 min Scan# 168

Delta R.T. -0.00 min

Lab File: VU031303.D

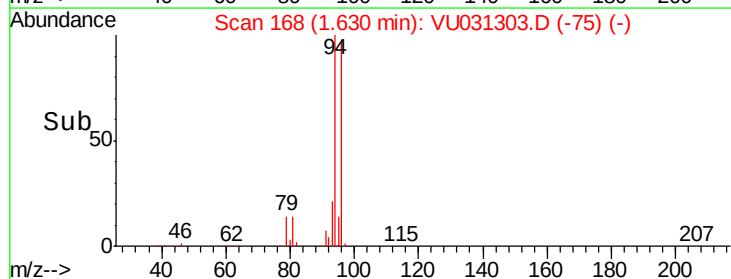
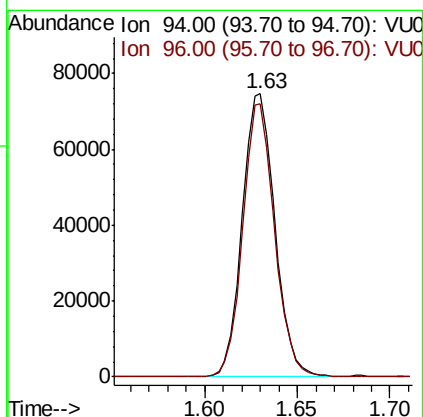
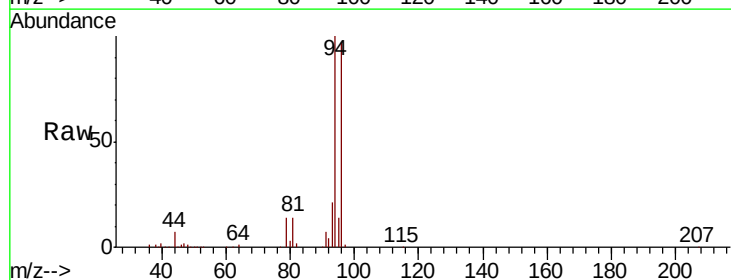
Acq: 18 Apr 2019 13:32

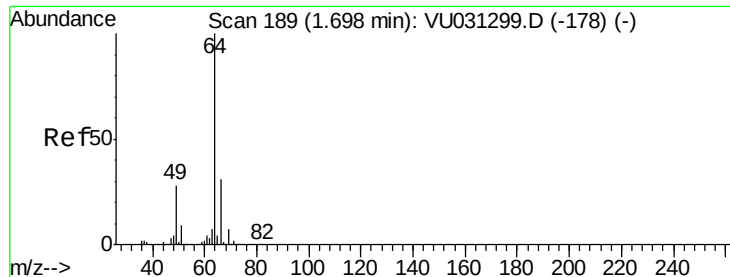
Tgt Ion: 94 Resp: 91231

Ion Ratio Lower Upper

94 100

96 96.7 65.1 120.9





#8

Chloroethane

Concen: 4.953 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

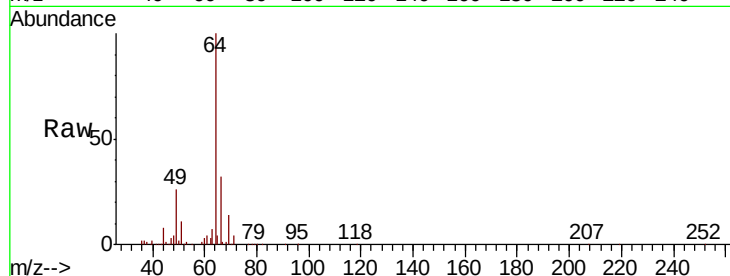
VSTD00542

Tgt Ion: 64 Resp: 93868

Ion Ratio Lower Upper

64 100

66 32.2 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VU031299.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU031299.D (-178) (-)

1.70

80000

60000

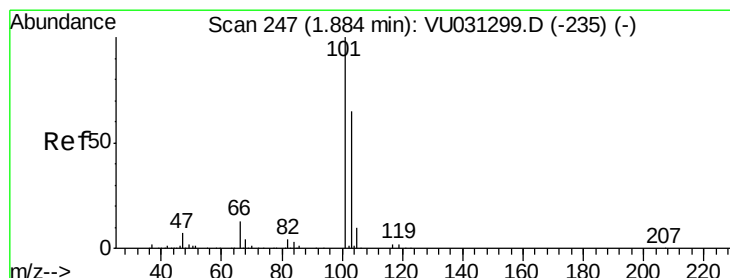
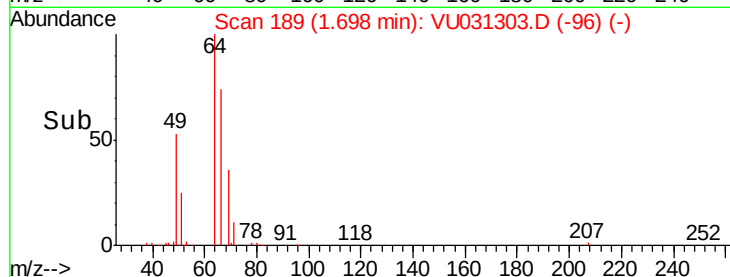
40000

20000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 4.772 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU031303.D

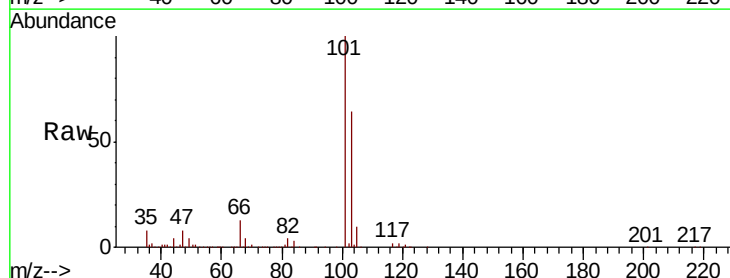
Acq: 18 Apr 2019 13:32

Tgt Ion: 101 Resp: 199454

Ion Ratio Lower Upper

101 100

103 64.9 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU031299.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU031299.D (-235) (-)

1.88

150000

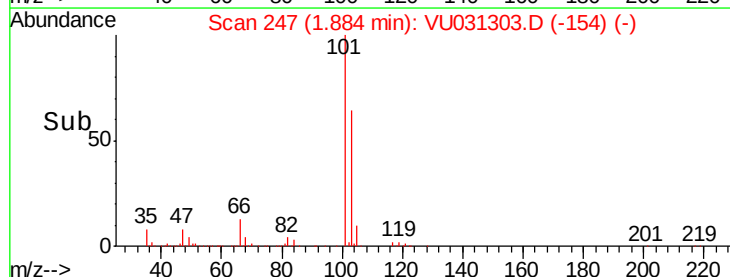
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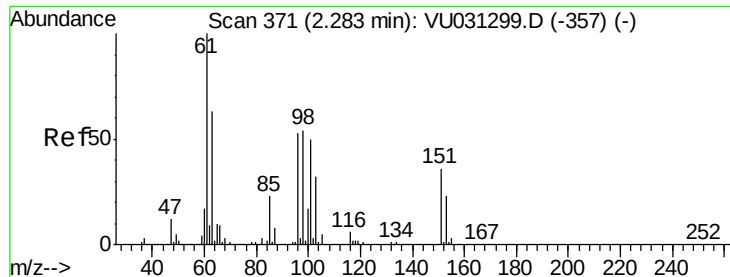
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 4.993 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

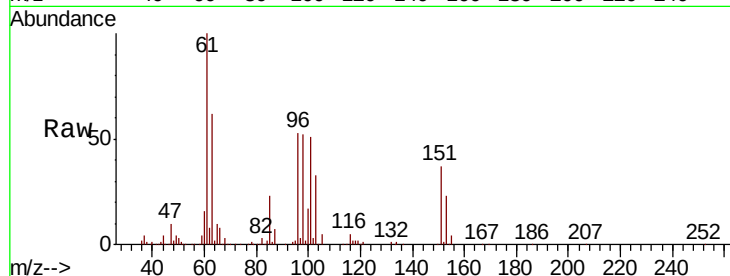
Tgt Ion: 101 Resp: 112755

Ion Ratio Lower Upper

101 100

85 45.2 37.2 55.8

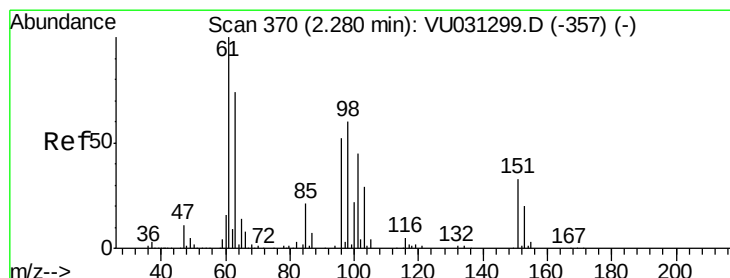
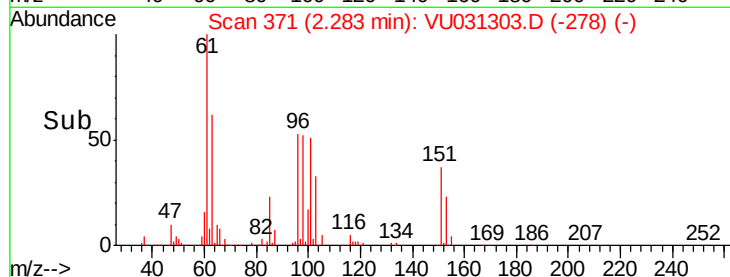
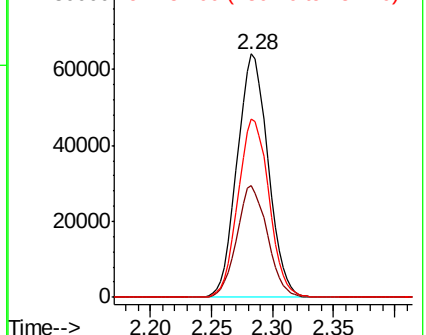
151 73.3 58.9 88.3



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: 4.820 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

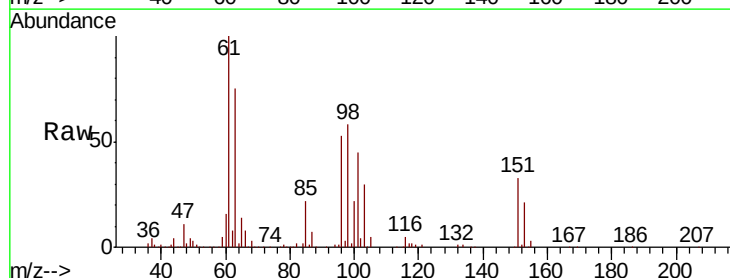
Tgt Ion: 96 Resp: 108396

Ion Ratio Lower Upper

96 100

61 190.1 133.7 248.3

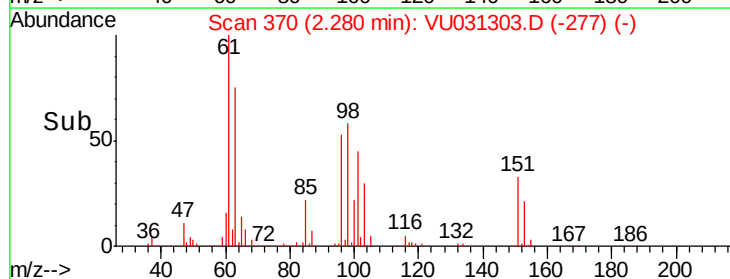
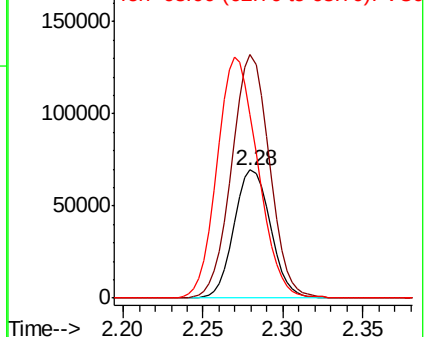
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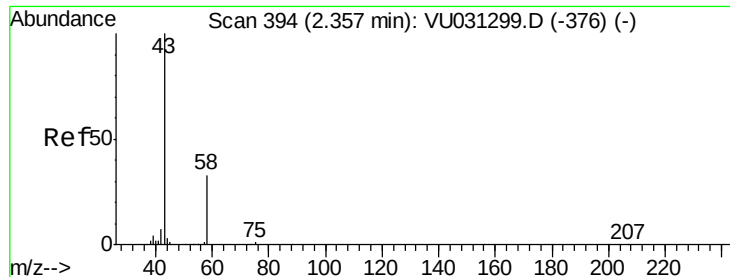


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.115 ug/L

RT: 2.35 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

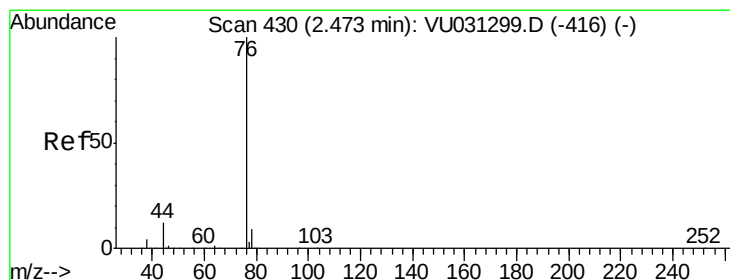
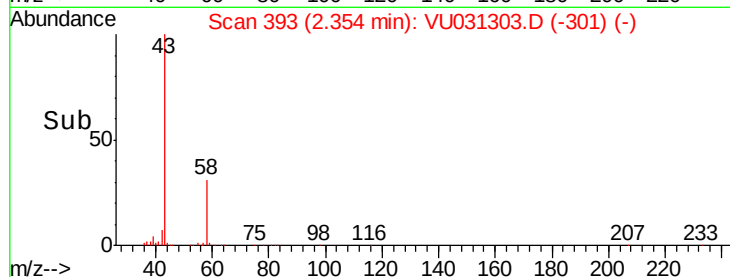
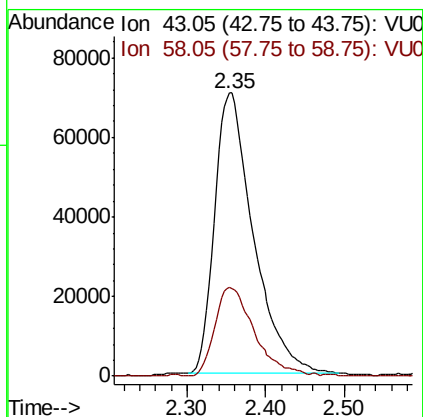
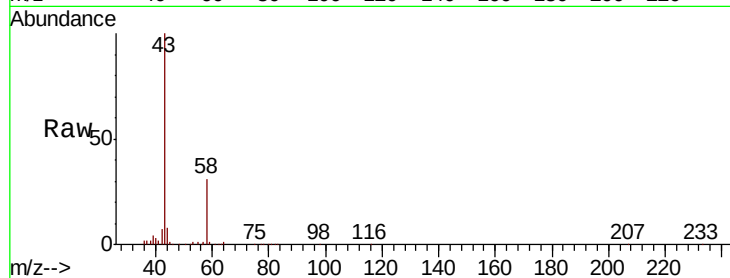
VSTD00542

Tgt Ion: 43 Resp: 241744

Ion Ratio Lower Upper

43 100

58 31.6 0.0 64.4



#14

Carbon disulfide

Concen: 4.891 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU031303.D

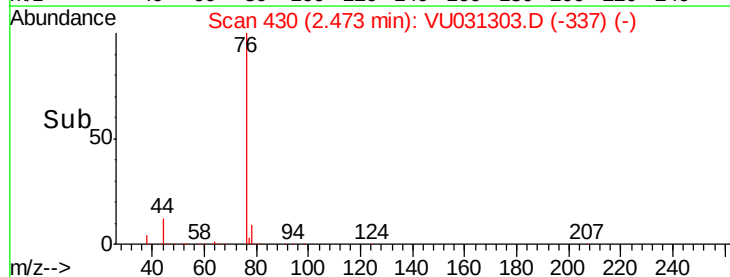
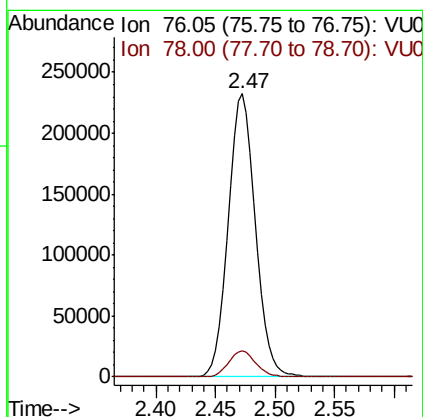
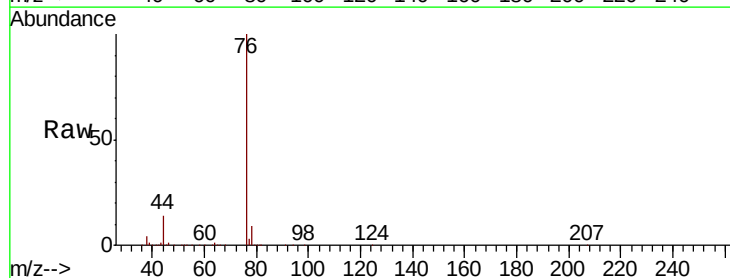
Acq: 18 Apr 2019 13:32

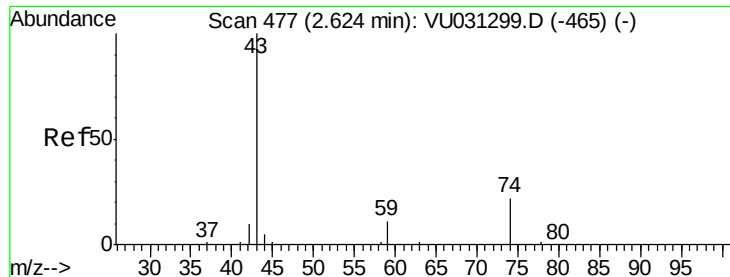
Tgt Ion: 76 Resp: 367306

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

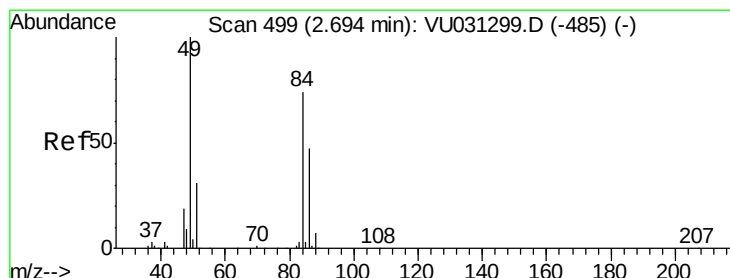
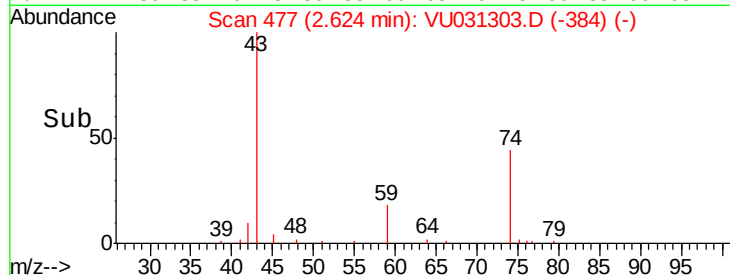
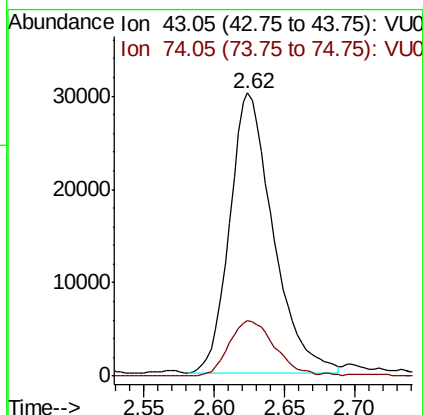
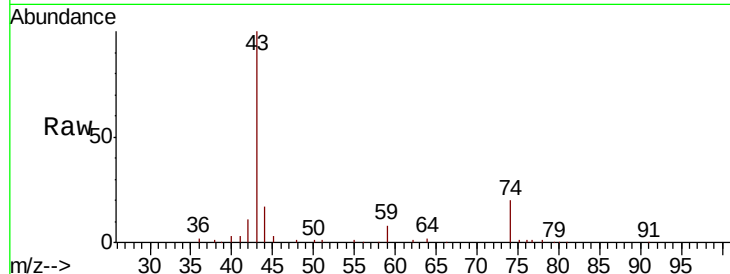




#15
Methyl Acetate
Concen: 4.706 ug/L
RT: 2.62 min Scan# 477
Delta R.T. -0.00 min
Lab File: VU031303.D
Acq: 18 Apr 2019 13:32

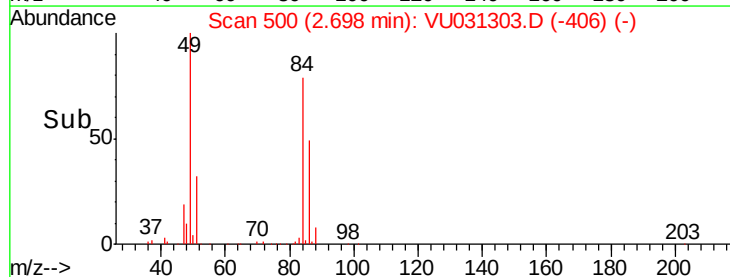
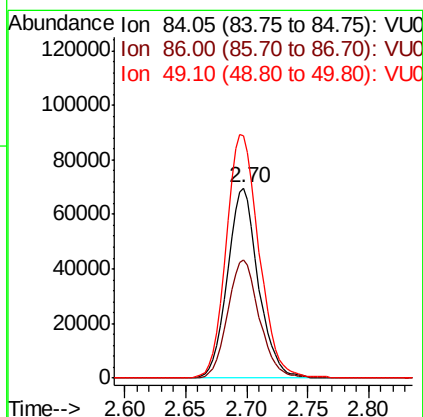
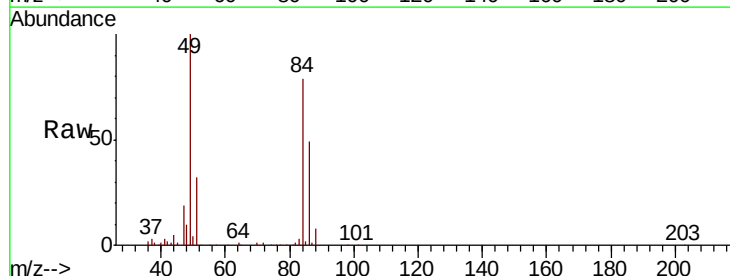
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

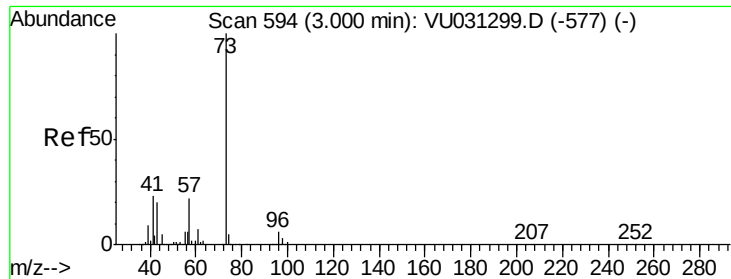
Tgt Ion: 43 Resp: 64628
Ion Ratio Lower Upper
43 100
74 20.8 16.7 25.1



#16
Methylene chloride
Concen: 4.527 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031303.D
Acq: 18 Apr 2019 13:32

Tgt Ion: 84 Resp: 123620
Ion Ratio Lower Upper
84 100
86 62.3 44.1 81.9
49 127.2 94.6 175.6

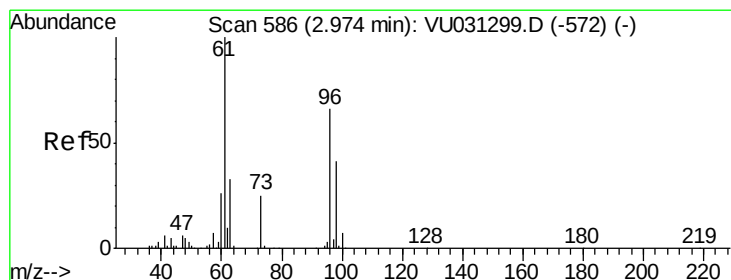
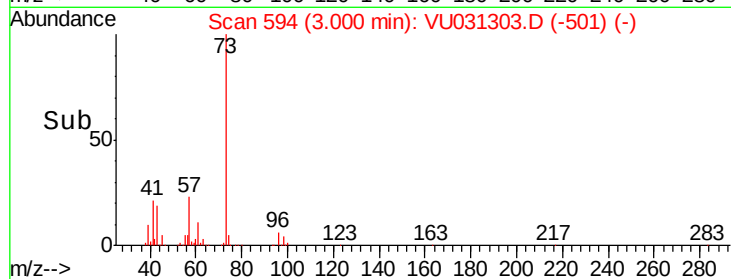
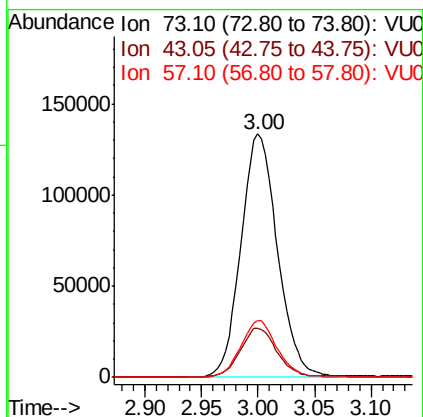
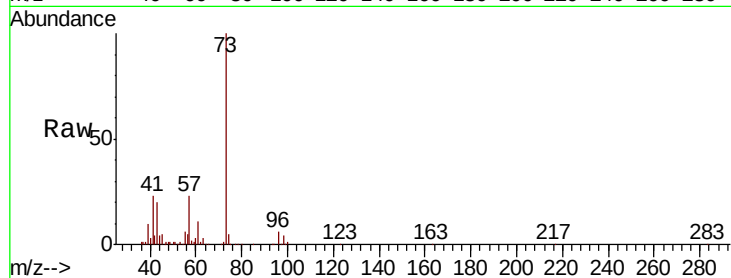




#17
Methyl tert-butyl Ether
Concen: 4.987 ug/L
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU031303.D
Acq: 18 Apr 2019 13:32

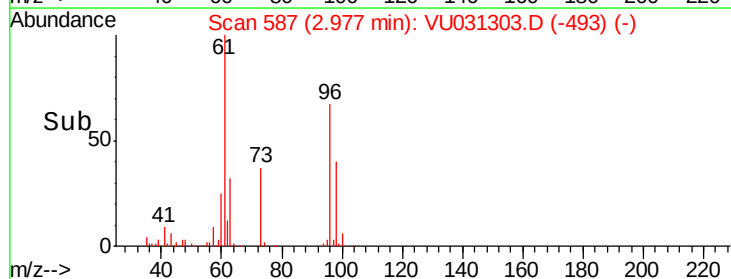
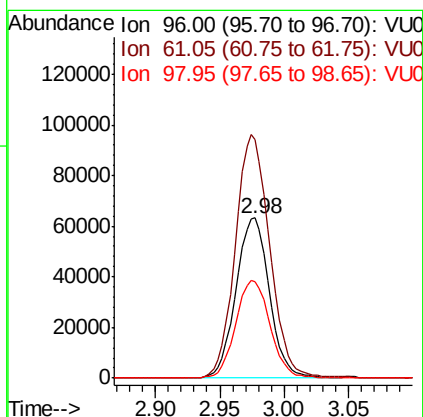
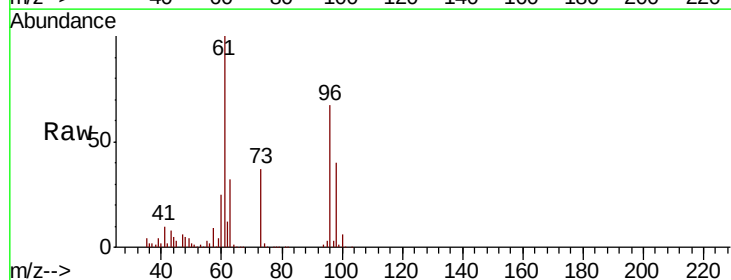
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

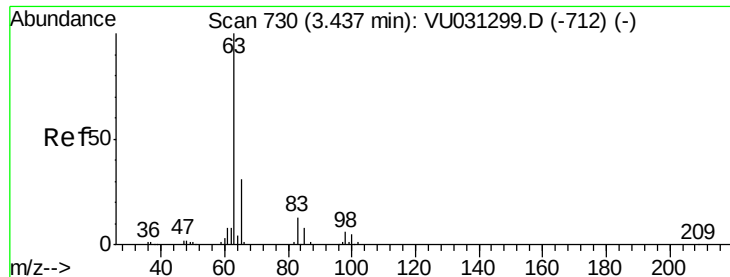
Tgt Ion: 73 Resp: 300509
Ion Ratio Lower Upper
73 100
43 20.1 16.3 24.5
57 23.2 18.8 28.2



#18
trans-1,2-Dichloroethene
Concen: 4.814 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU031303.D
Acq: 18 Apr 2019 13:32

Tgt Ion: 96 Resp: 114213
Ion Ratio Lower Upper
96 100
61 148.9 106.5 197.7
98 60.3 43.5 80.9

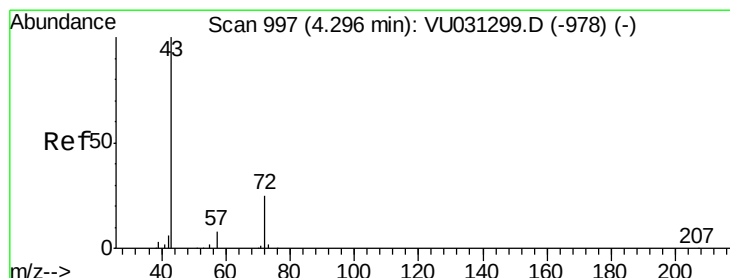
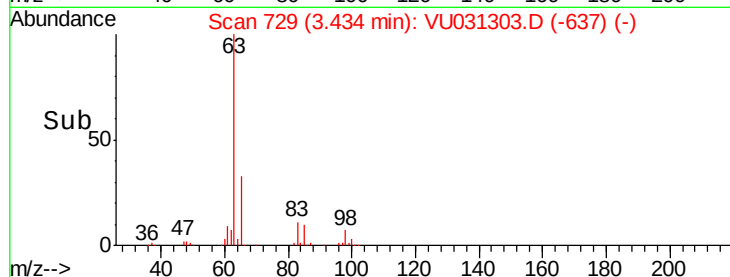
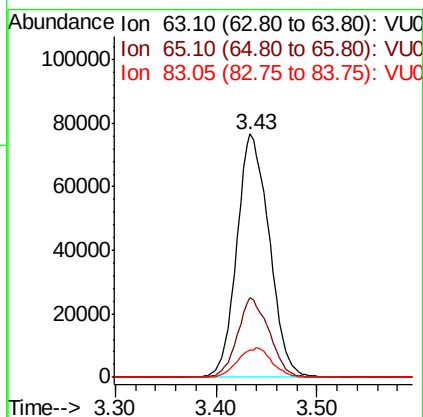
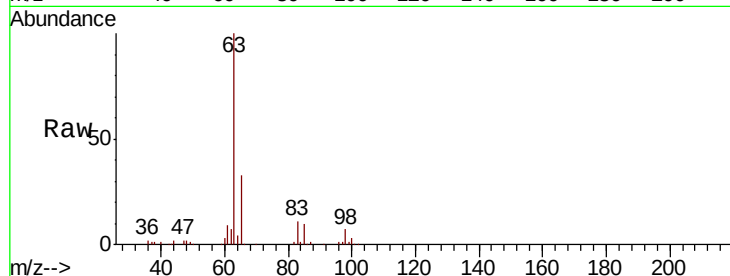




#19
 1,1-Dichloroethane
 Concen: 5.150 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

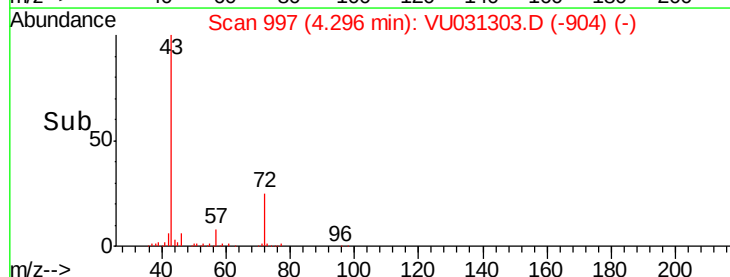
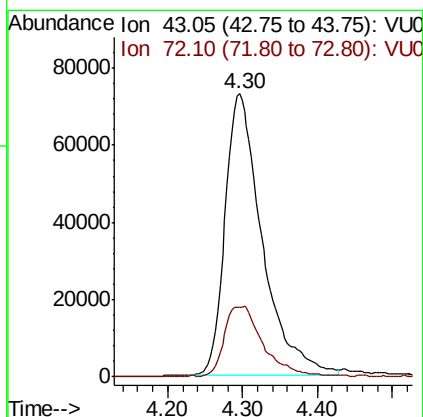
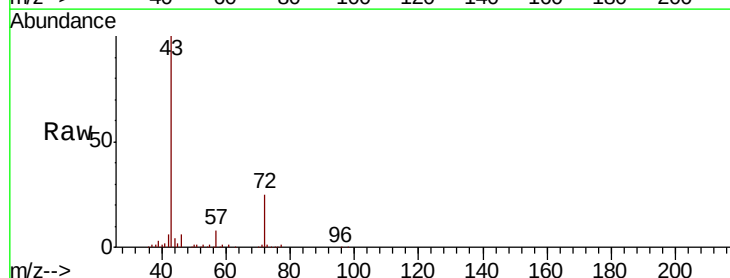
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

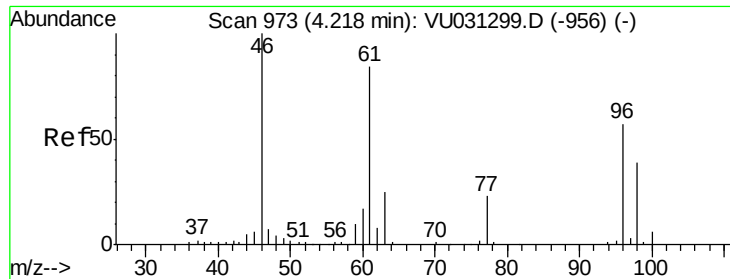
Tgt Ion: 63 Resp: 170512
 Ion Ratio Lower Upper
 63 100
 65 32.7 22.0 41.0
 83 11.0 9.2 17.2



#21
 2-Butanone
 Concen: 48.497 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

Tgt Ion: 43 Resp: 250426
 Ion Ratio Lower Upper
 43 100
 72 25.5 11.8 35.4



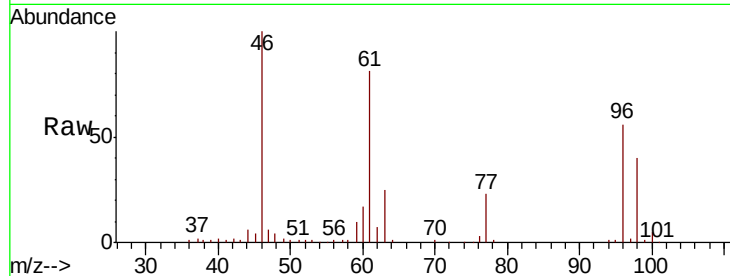


#22

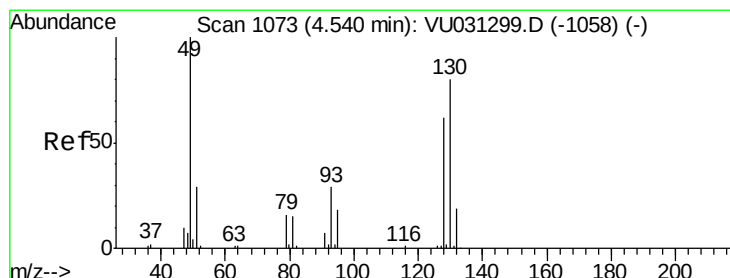
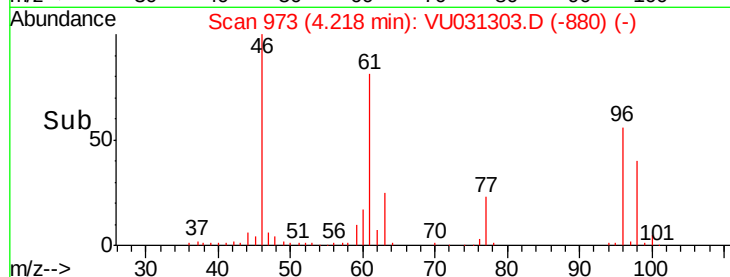
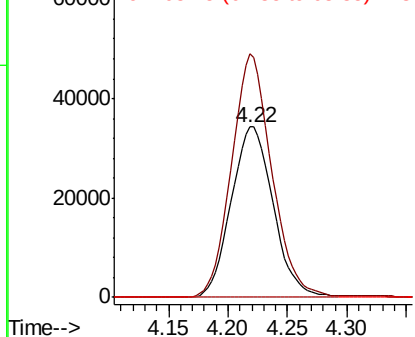
cis-1,2-Dichloroethene
Concen: 4.580 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU031303.D
Acq: 18 Apr 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

Tgt Ion: 96 Resp: 84008
Ion Ratio Lower Upper
96 100
61 142.7 103.5 192.1
68 0.0 0.0 0.0



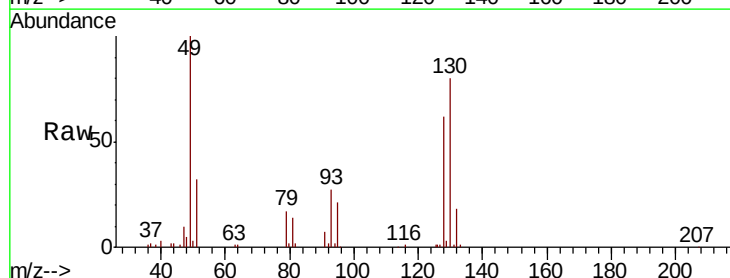
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



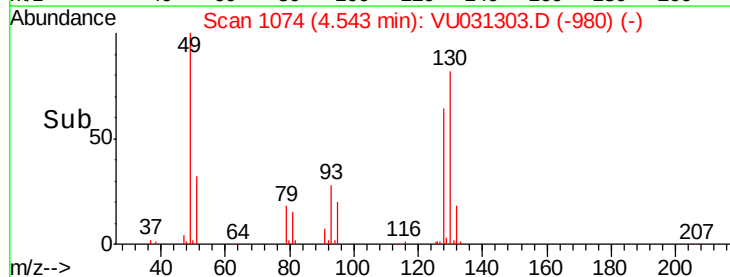
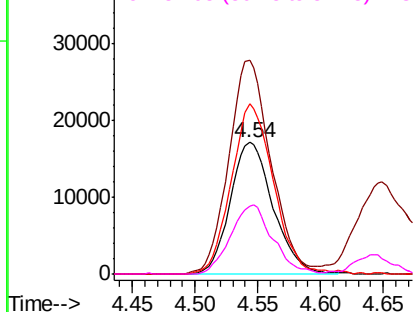
#23

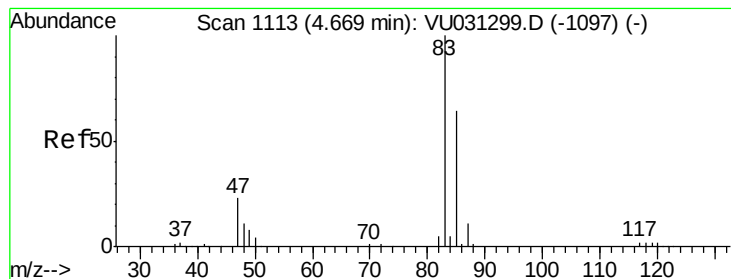
Bromochloromethane
Concen: 4.977 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031303.D
Acq: 18 Apr 2019 13:32

Tgt Ion: 128 Resp: 40686
Ion Ratio Lower Upper
128 100
49 162.1 113.2 210.2
130 128.9 90.1 167.3
51 51.1 37.8 56.8



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





#25

Chloroform

Concen: 4.793 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

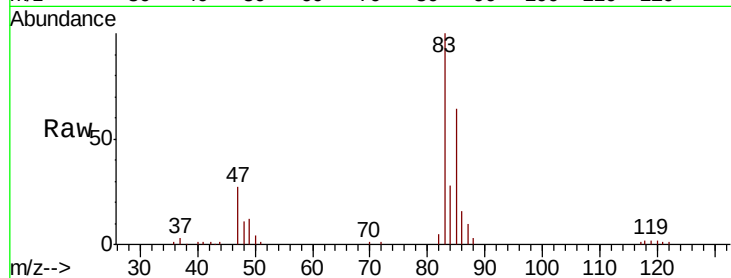
VSTD00542

Tgt Ion: 83 Resp: 156334

Ion Ratio Lower Upper

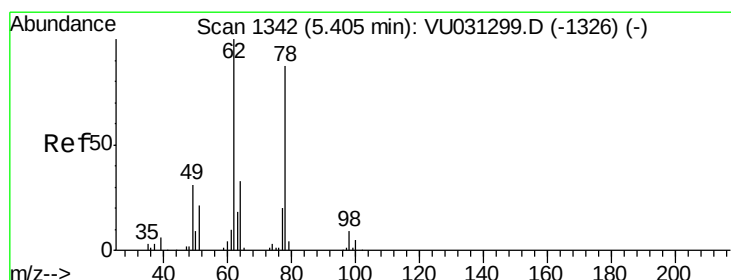
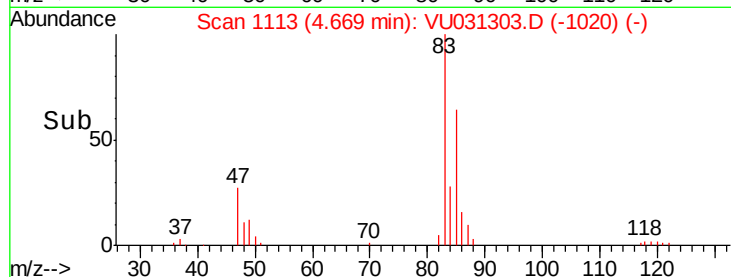
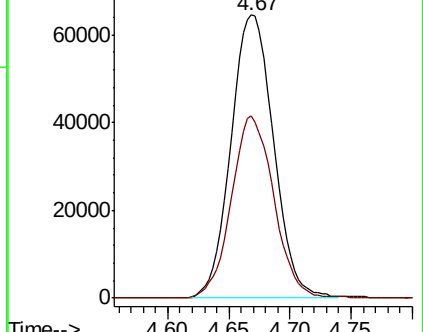
83 100

85 64.3 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU031299.D (-1097) (-)

Ion 85.00 (84.70 to 85.70): VU031299.D (-1097) (-)



#27

1,2-Dichloroethane

Concen: 4.728 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU031303.D

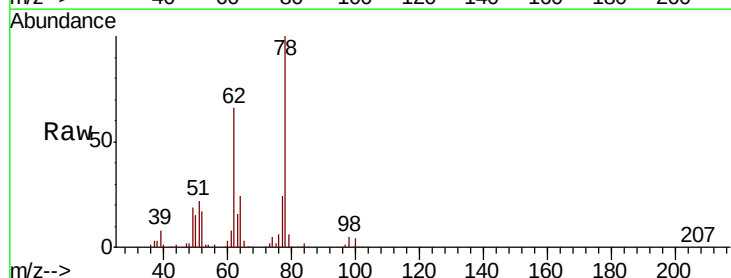
Acq: 18 Apr 2019 13:32

Tgt Ion: 62 Resp: 99426

Ion Ratio Lower Upper

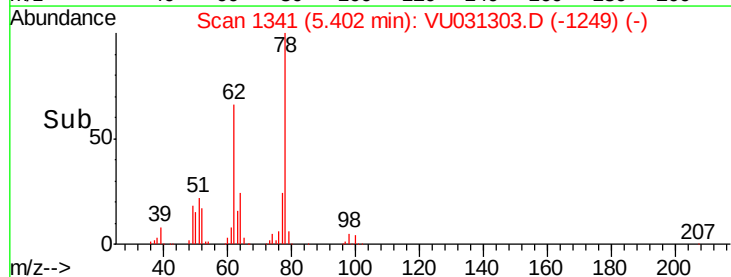
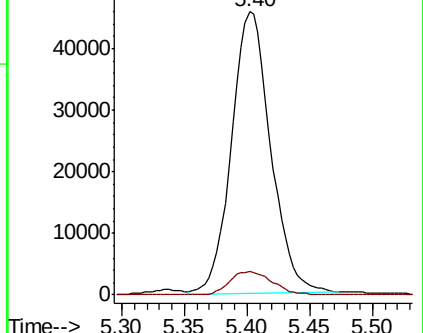
62 100

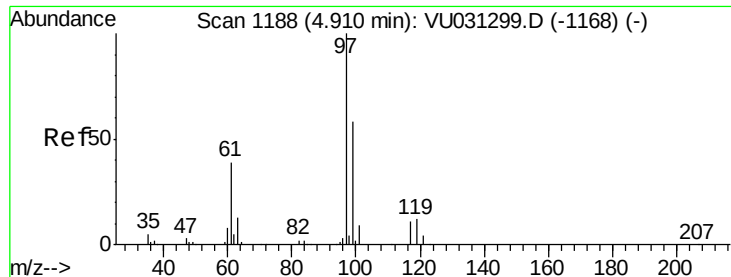
98 8.3 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VU031299.D (-1326) (-)

Ion 98.05 (97.75 to 98.75): VU031299.D (-1326) (-)

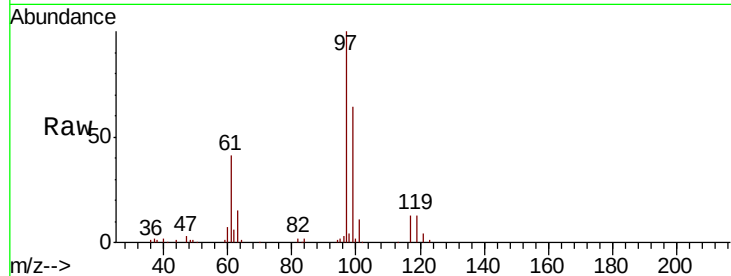




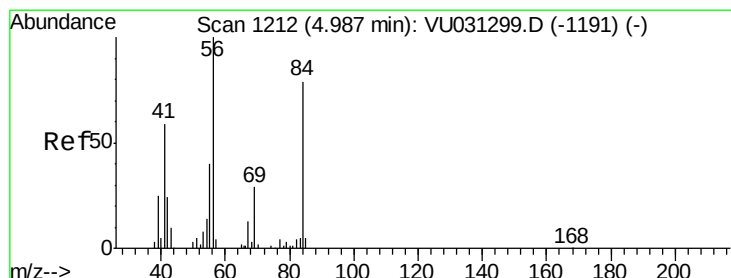
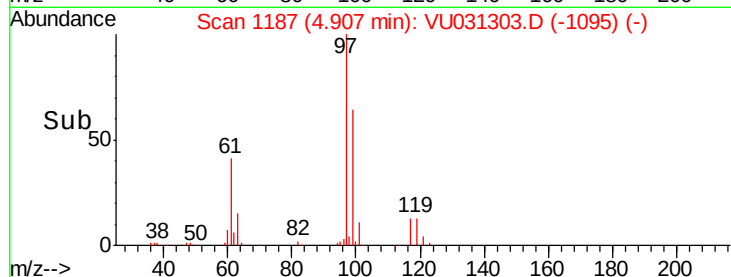
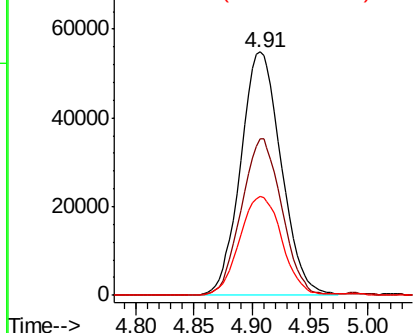
#29
 1,1,1-Trichloroethane
 Concen: 4.916 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Tgt Ion: 97 Resp: 133932
 Ion Ratio Lower Upper
 97 100
 99 63.9 50.6 76.0
 61 42.5 33.9 50.9

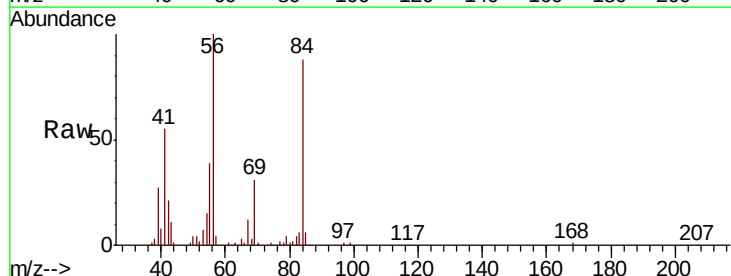


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

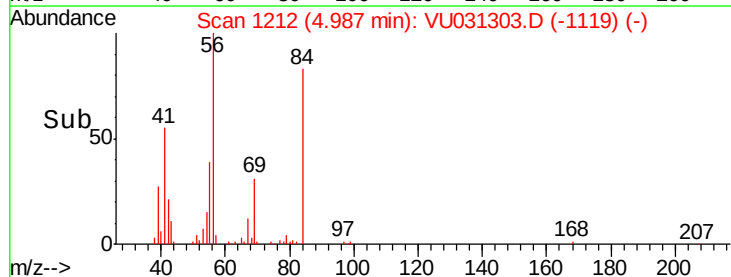
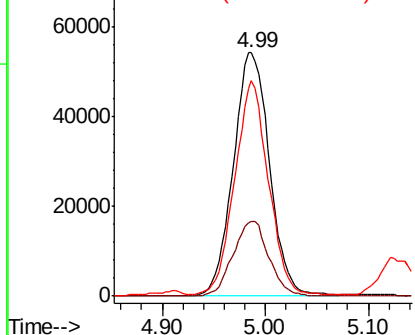


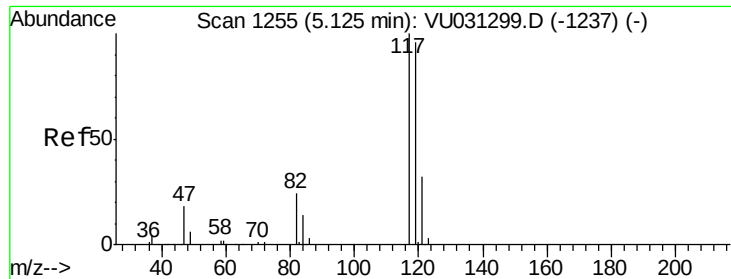
#30
 Cyclohexane
 Concen: 4.789 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

Tgt Ion: 56 Resp: 132902
 Ion Ratio Lower Upper
 56 100
 69 30.1 23.3 34.9
 84 81.7 62.6 94.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

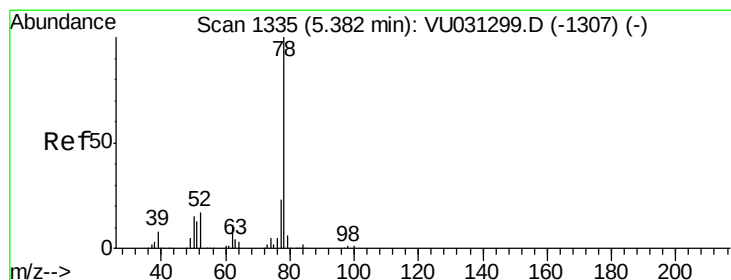
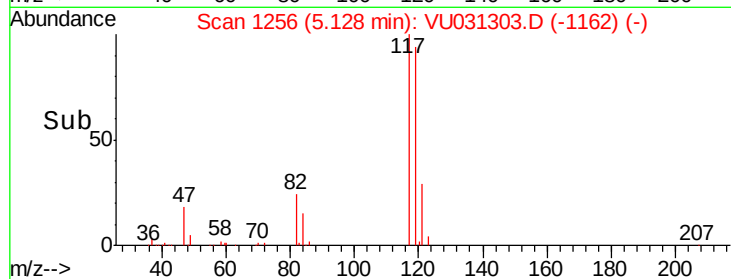
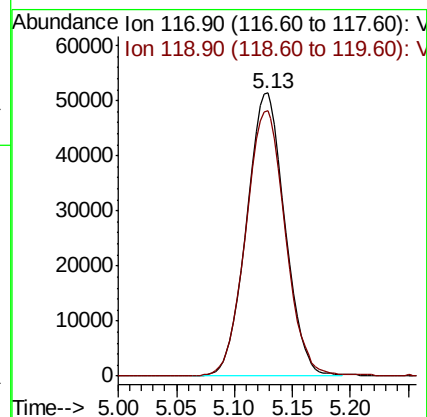
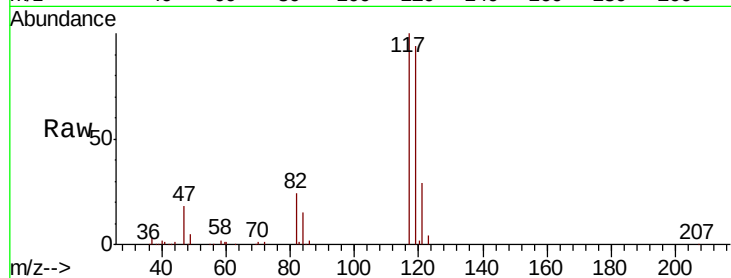




#31
Carbon tetrachloride
Concen: 4.867 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU031303.D
Acq: 18 Apr 2019 13:32

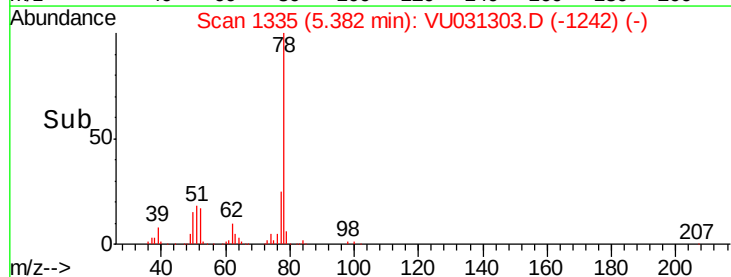
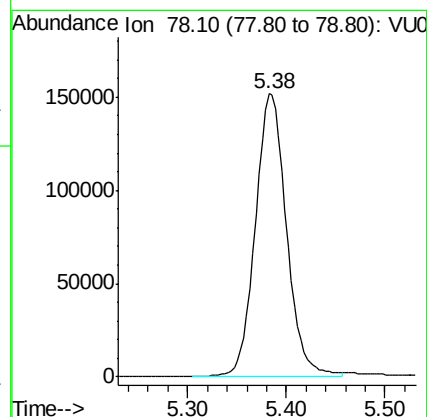
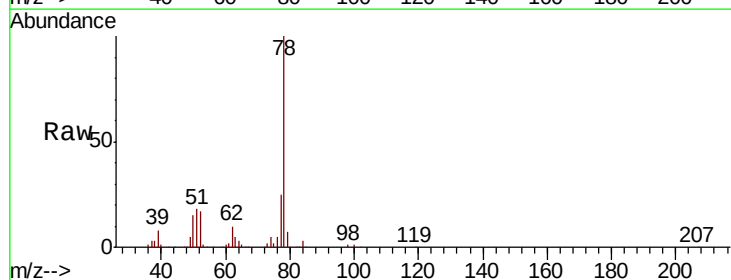
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

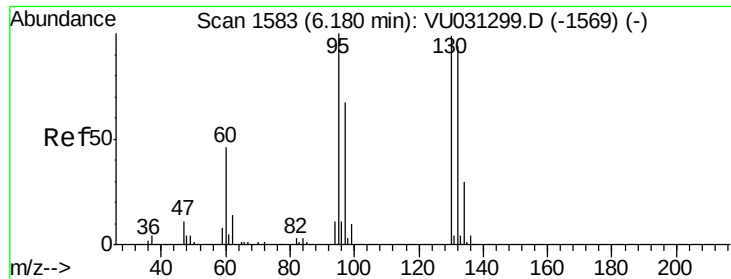
Tgt Ion:117 Resp: 118405
Ion Ratio Lower Upper
117 100
119 96.8 79.6 119.4



#33
Benzene
Concen: 4.837 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU031303.D
Acq: 18 Apr 2019 13:32

Tgt Ion: 78 Resp: 331232

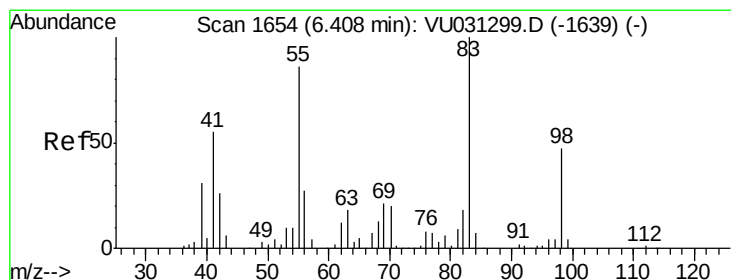
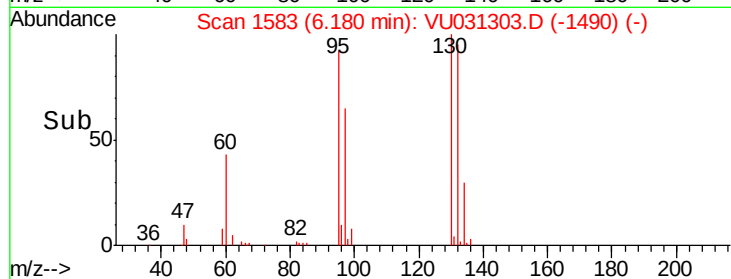
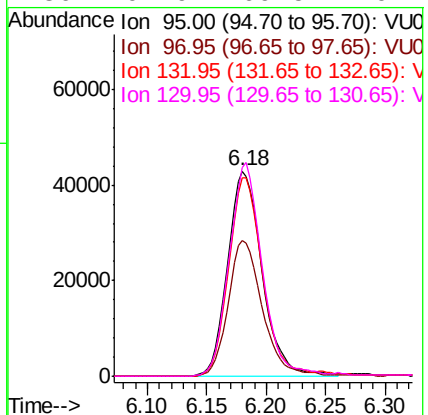
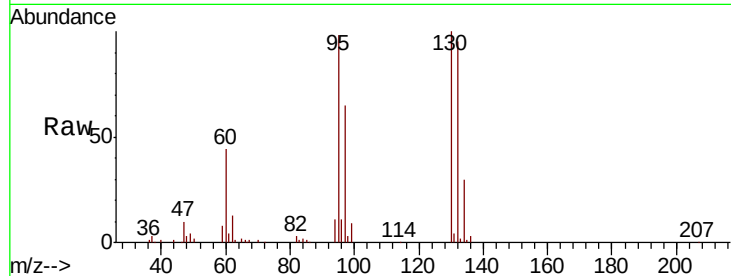




#34
 Trichloroethene
 Concen: 4.657 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

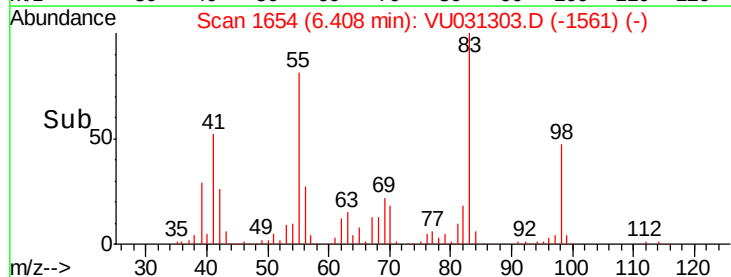
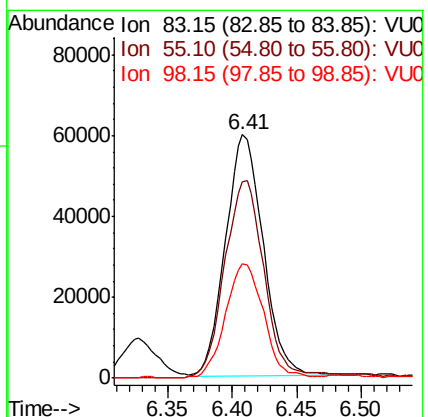
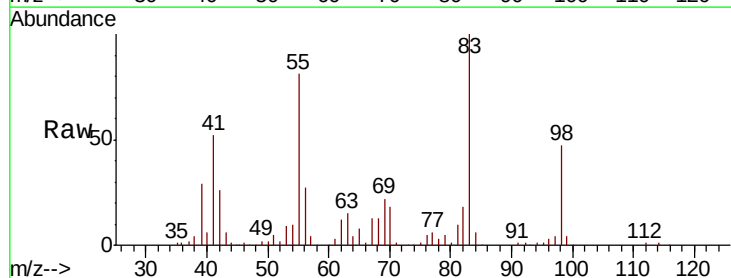
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

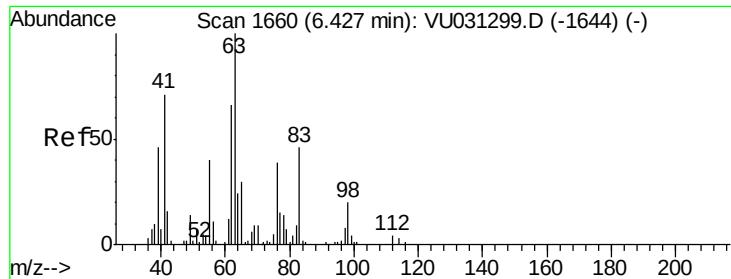
Tgt Ion:	95	Resp:	86211
Ion	Ratio	Lower	Upper
95	100		
97	66.4	46.8	86.8
132	96.5	65.8	122.2
130	101.9	69.5	129.1



#35
 Methylcyclohexane
 Concen: 4.747 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

Tgt Ion:	83	Resp:	121002
Ion	Ratio	Lower	Upper
83	100		
55	86.4	70.6	105.8
98	47.9	37.0	55.4

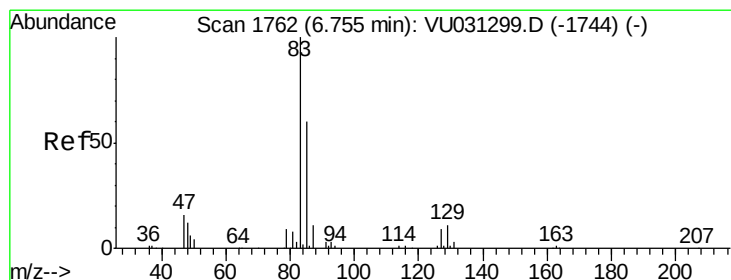
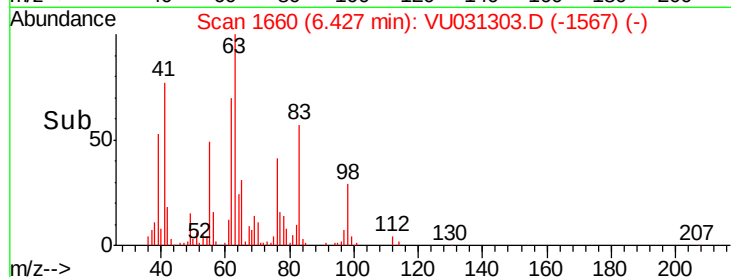
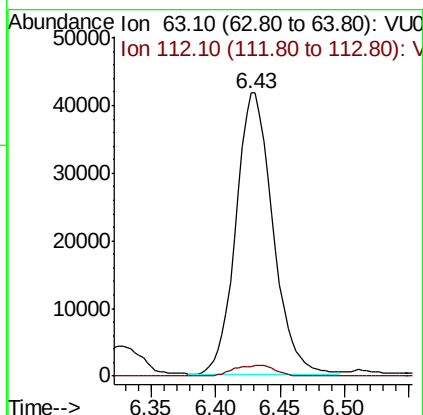
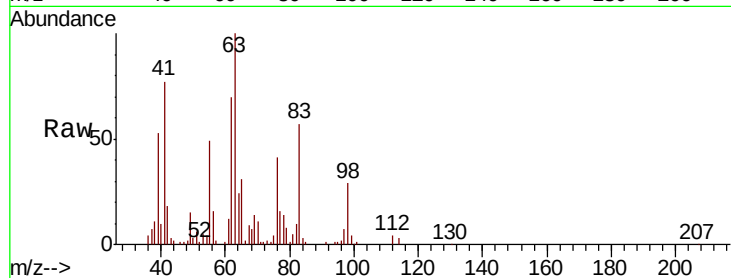




#37
 1,2-Dichloropropane
 Concen: 4.591 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

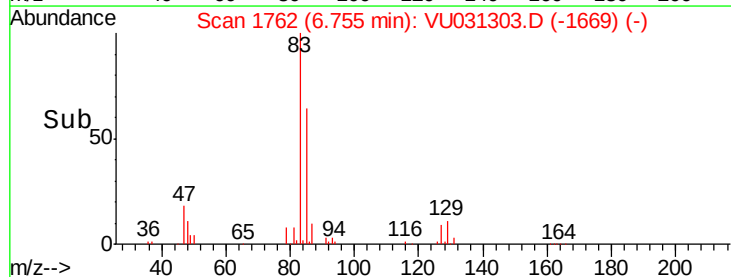
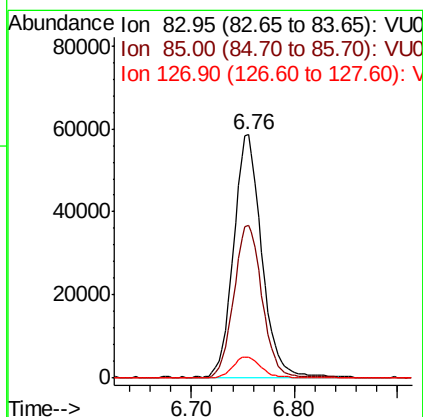
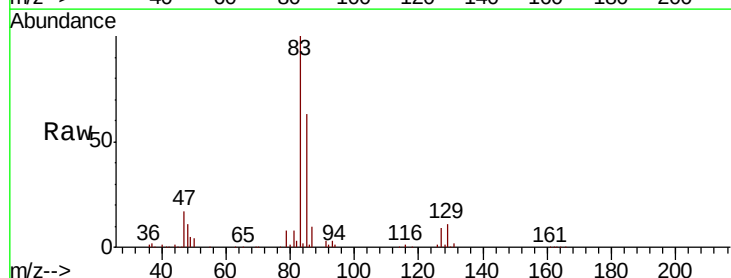
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

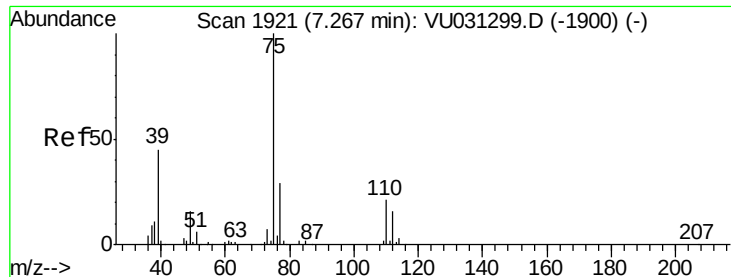
Tgt Ion: 63 Resp: 82872
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.917 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

Tgt Ion: 83 Resp: 110746
 Ion Ratio Lower Upper
 83 100
 85 62.8 41.9 77.7
 127 8.5 7.1 10.7

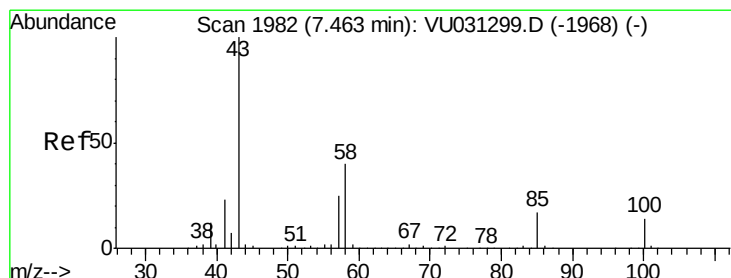
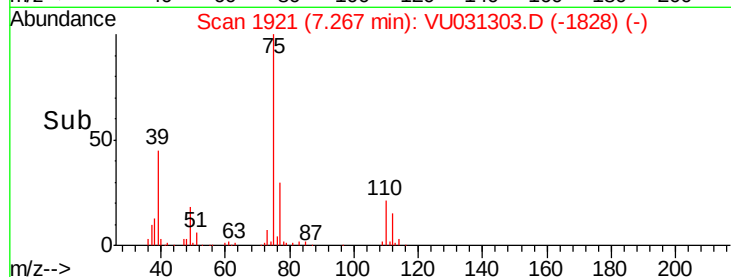
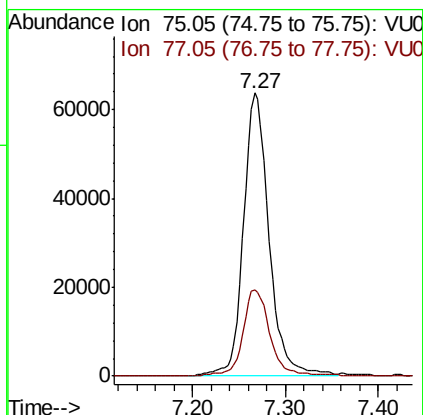
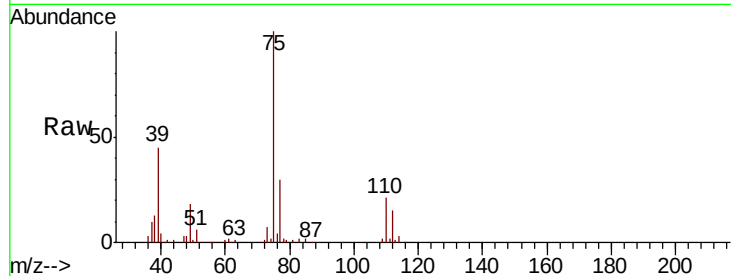




#39
 cis-1,3-Dichloropropene
 Concen: 5.077 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

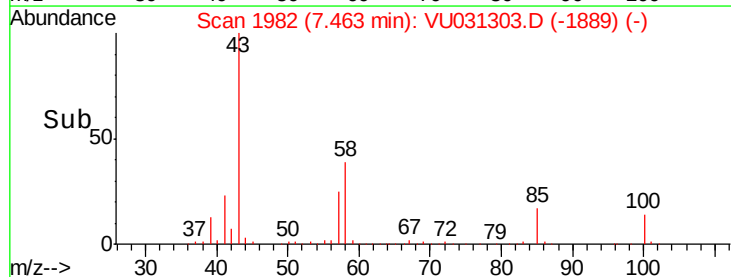
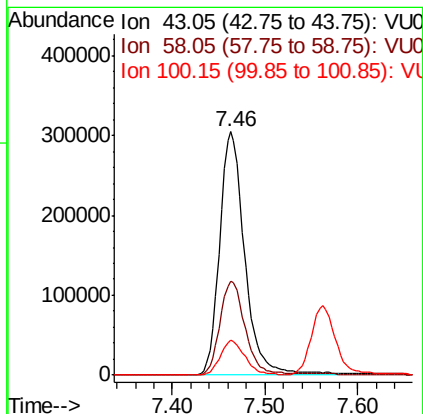
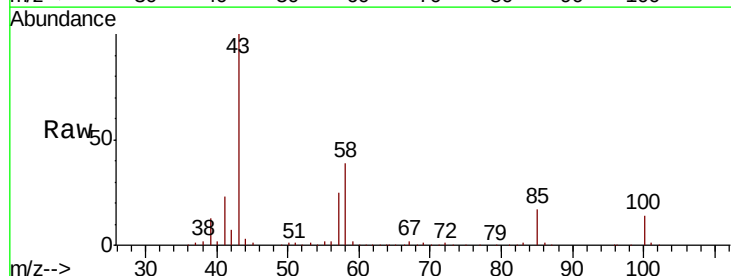
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

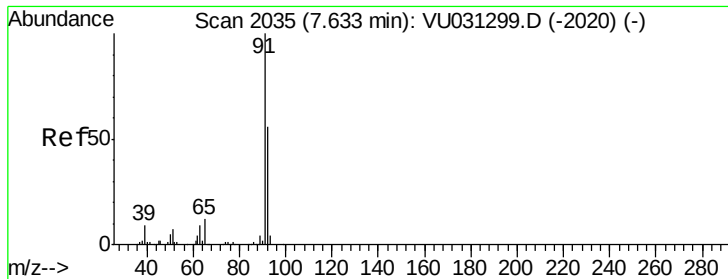
Tgt Ion: 75 Resp: 122333
 Ion Ratio Lower Upper
 75 100
 77 30.3 20.2 37.4



#40
 4-Methyl-2-pentanone
 Concen: 49.401 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

Tgt Ion: 43 Resp: 572663
 Ion Ratio Lower Upper
 43 100
 58 38.9 30.7 46.1
 100 14.2 11.1 16.7





#42

Toluene

Concen: 5.018 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

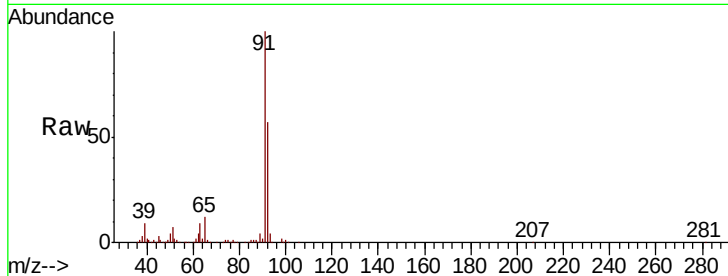
VSTD00542

Tgt Ion: 91 Resp: 346478

Ion Ratio Lower Upper

91 100

92 57.2 39.5 73.3



Abundance Ion 91.15 (90.85 to 91.85): VU031299.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU031299.D (-2020) (-)

7.63

200000

150000

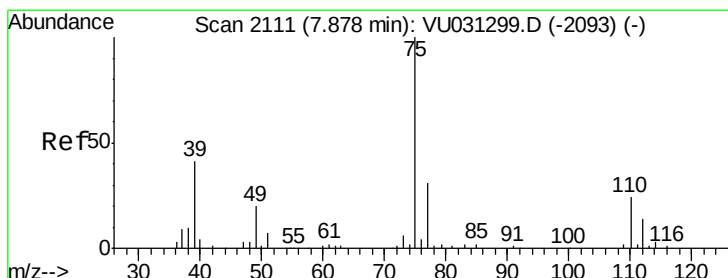
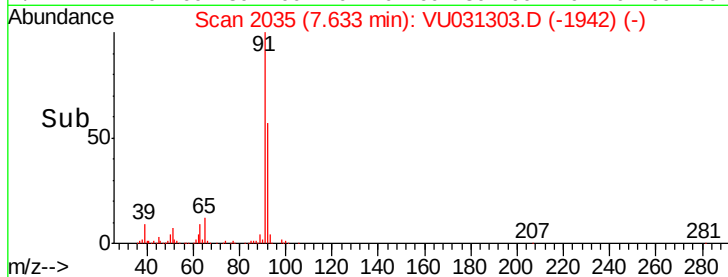
100000

50000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.918 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU031303.D

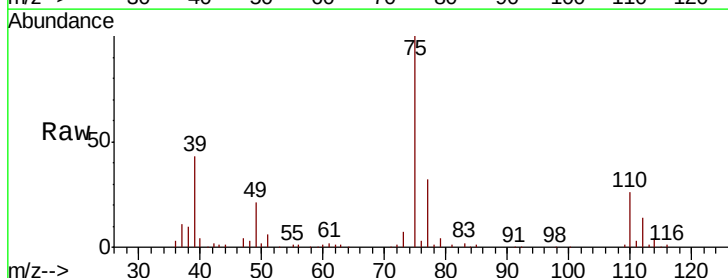
Acq: 18 Apr 2019 13:32

Tgt Ion: 75 Resp: 97978

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU031299.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU031299.D (-2093) (-)

7.88

60000

50000

40000

30000

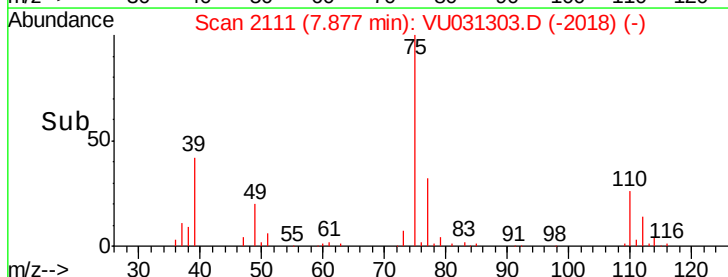
20000

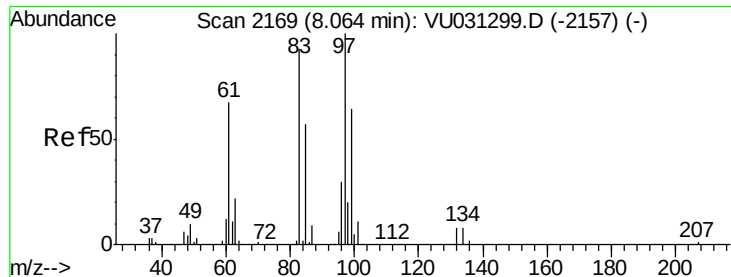
10000

0

7.80 7.85 7.90 7.95 8.00

Time-->

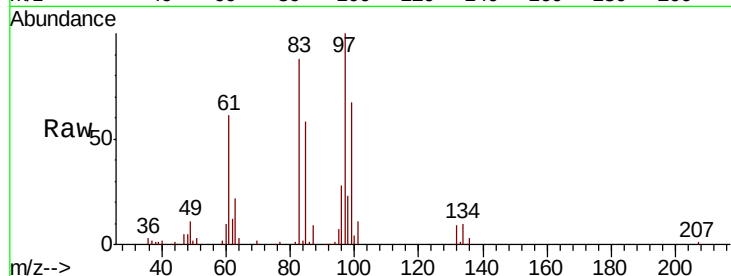




#45
 1,1,2-Trichloroethane
 Concen: 4.749 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

Tgt Ion:	97	Resp:	61088
Ion	Ratio	Lower	Upper
97	100		
99	67.1	44.8	83.2
83	87.9	64.9	120.5
85	57.9	40.1	74.5



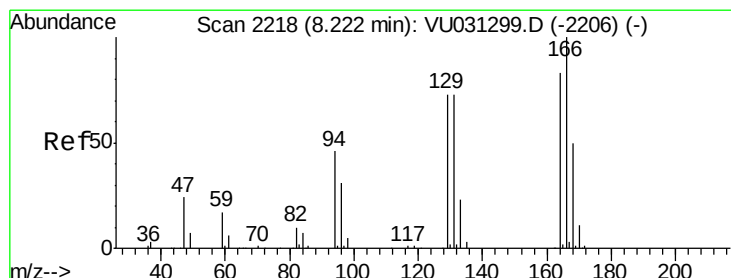
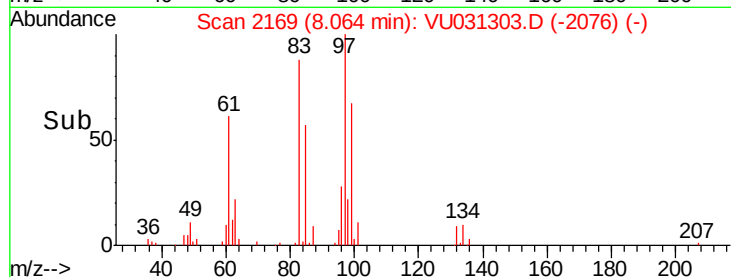
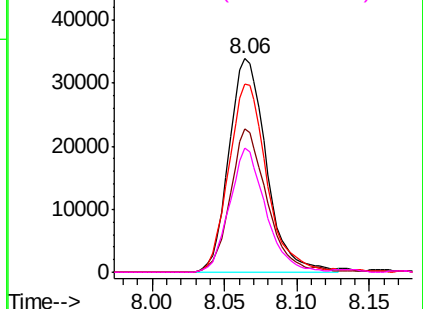
Abundance

Ion 96.95 (96.65 to 97.65): VU031299.D (-2157) (-)

Ion 99.05 (98.75 to 99.75): VU031299.D (-2157) (-)

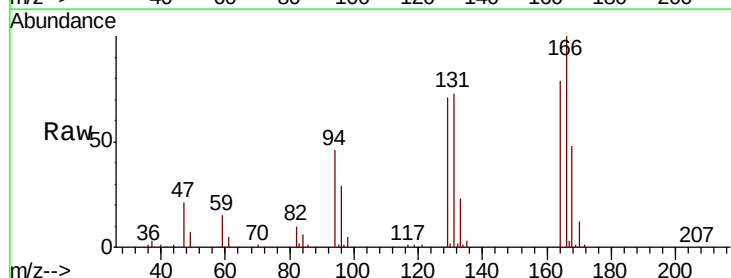
Ion 82.95 (82.65 to 83.65): VU031299.D (-2157) (-)

Ion 85.00 (84.70 to 85.70): VU031299.D (-2157) (-)



#47
 Tetrachloroethene
 Concen: 5.041 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

Tgt Ion:	164	Resp:	69524
Ion	Ratio	Lower	Upper
164	100		
129	90.5	61.9	114.9
131	92.8	61.5	114.3
166	127.3	84.6	157.0



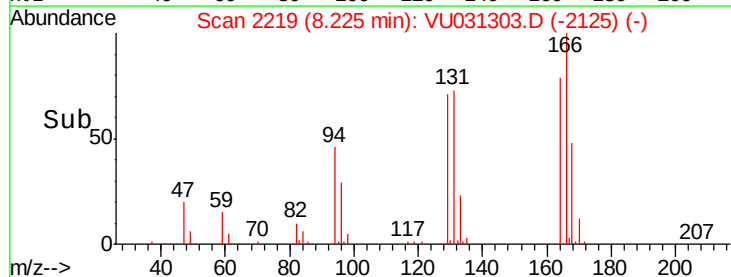
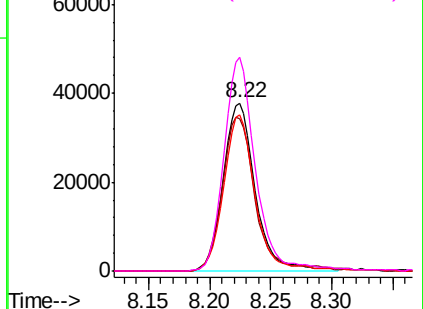
Abundance

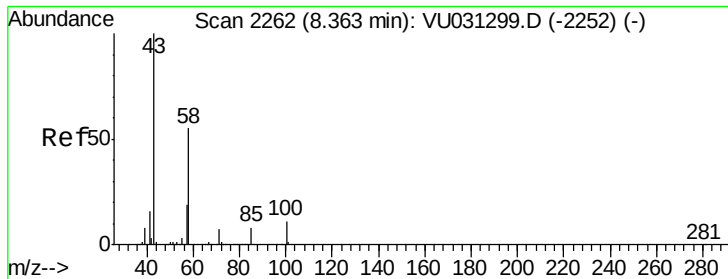
Ion 163.90 (163.60 to 164.60): VU031299.D (-2206) (-)

Ion 128.95 (128.65 to 129.65): VU031299.D (-2206) (-)

Ion 130.95 (130.65 to 131.65): VU031299.D (-2206) (-)

Ion 165.90 (165.60 to 166.60): VU031299.D (-2206) (-)

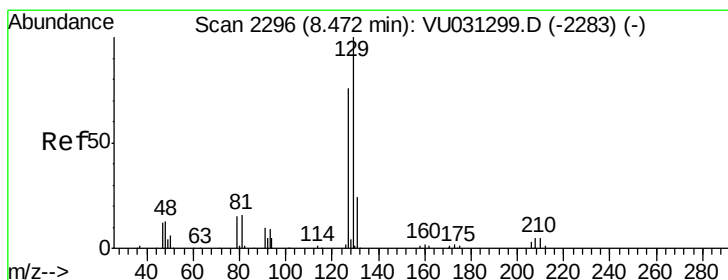
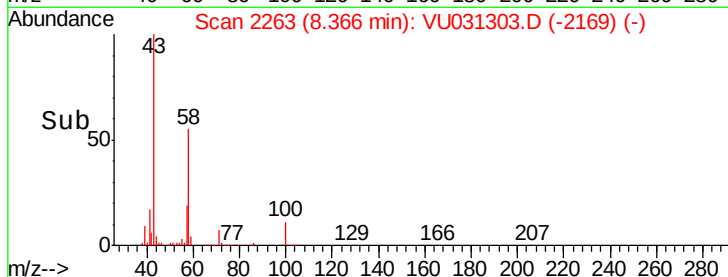
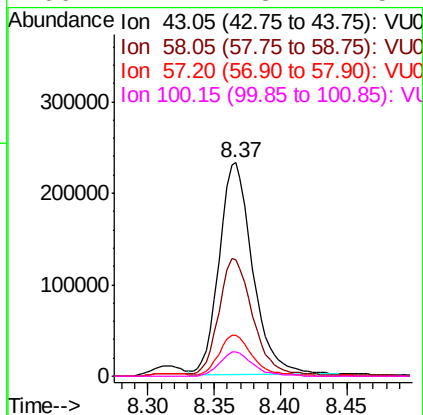
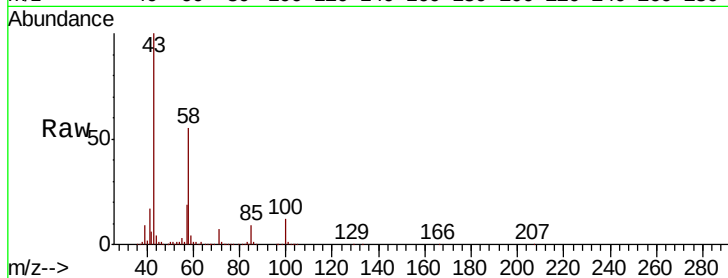




#48
2-Hexanone
Concen: 49.350 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU031303.D
Acq: 18 Apr 2019 13:32

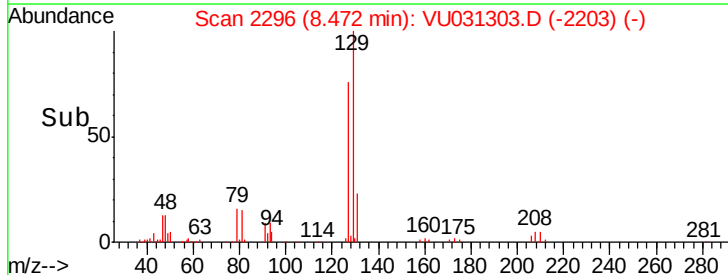
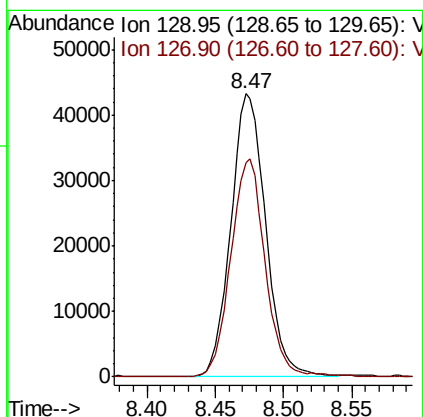
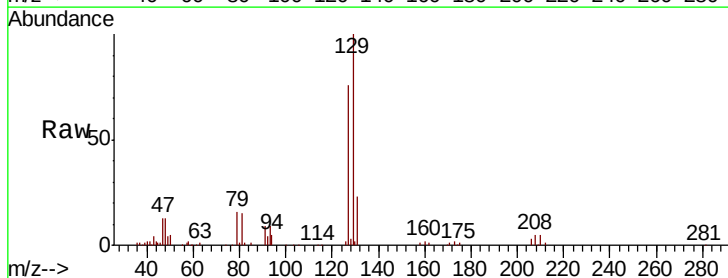
Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

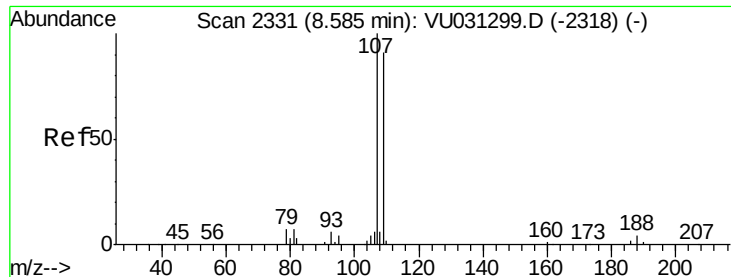
Tgt Ion:	43	Resp:	406016
Ion	Ratio	Lower	Upper
43	100		
58	56.3	45.0	67.6
57	19.5	15.5	23.3
100	11.1	8.7	13.1



#49
Dibromochloromethane
Concen: 4.964 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU031303.D
Acq: 18 Apr 2019 13:32

Tgt Ion:	129	Resp:	76391
Ion	Ratio	Lower	Upper
129	100		
127	75.7	53.3	99.1

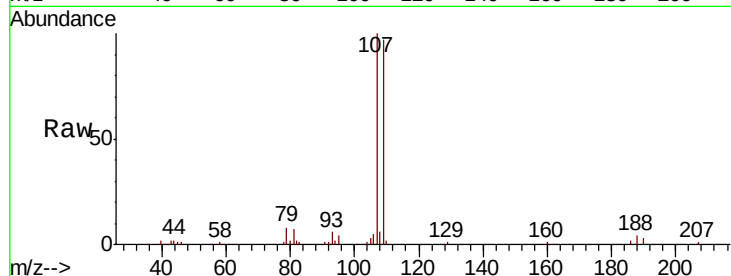




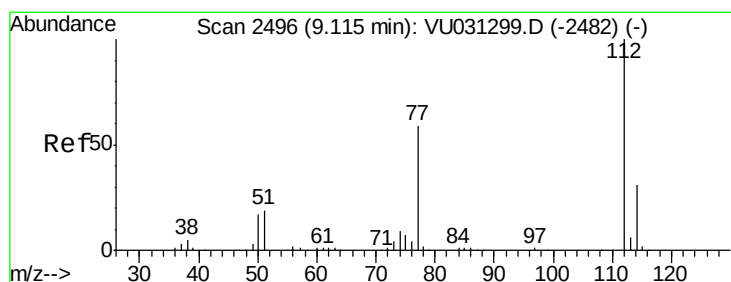
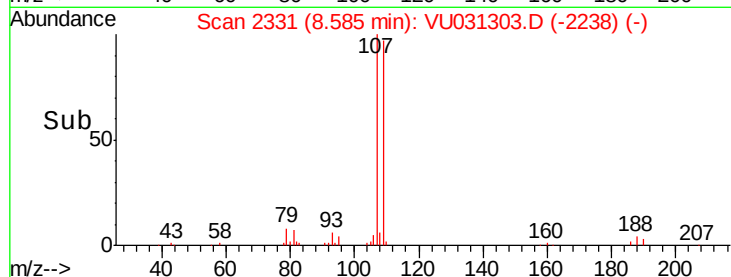
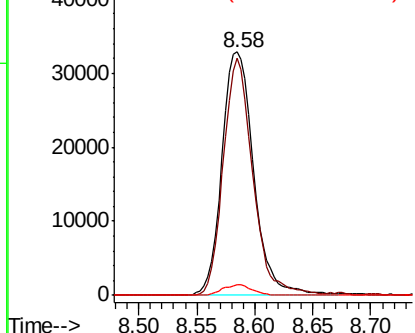
#50
1,2-Dibromoethane
Concen: 5.118 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU031303.D
Acq: 18 Apr 2019 13:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00542

Tgt Ion:107 Resp: 62347
Ion Ratio Lower Upper
107 100
109 97.4 63.6 118.2
188 4.4 2.9 4.3#

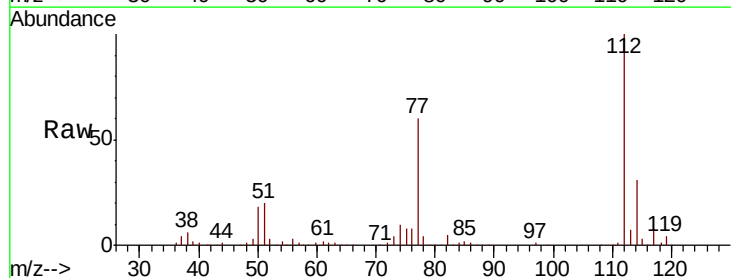


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

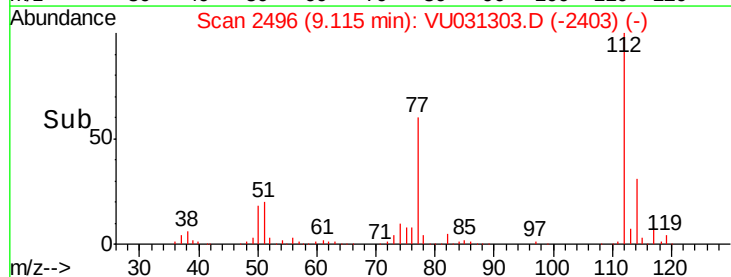
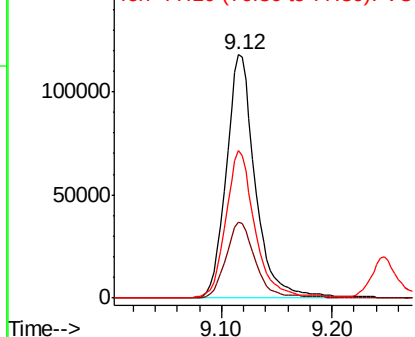


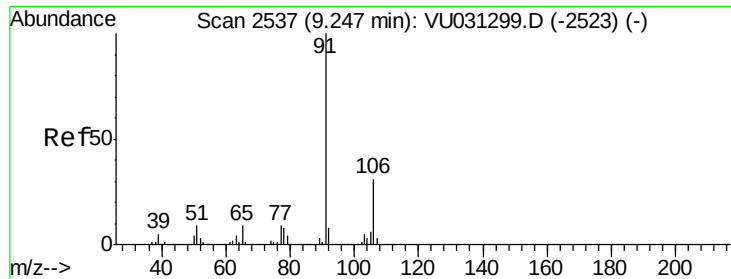
#51
Chlorobenzene
Concen: 4.963 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU031303.D
Acq: 18 Apr 2019 13:32

Tgt Ion:112 Resp: 214548
Ion Ratio Lower Upper
112 100
114 31.3 21.6 40.2
77 60.5 47.1 70.7



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





#52

Ethylbenzene

Concen: 4.959 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

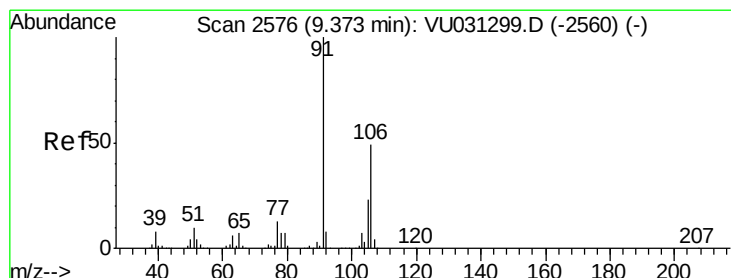
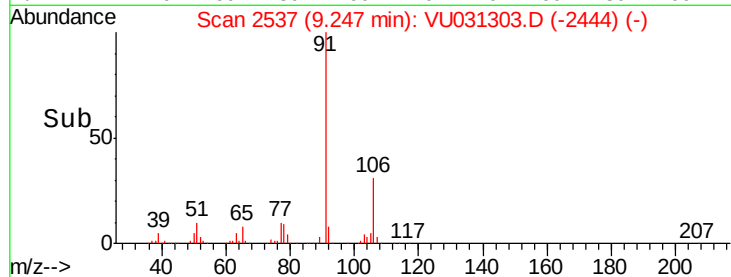
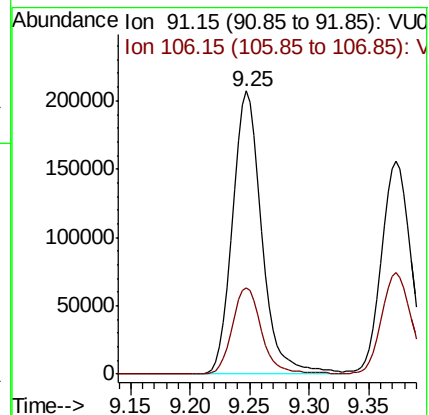
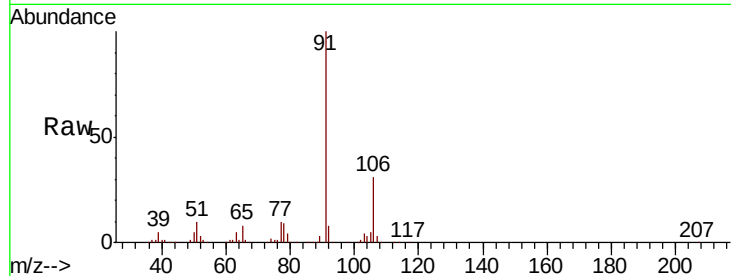
VSTD00542

Tgt Ion: 91 Resp: 353714

Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.4



#53

m,p-Xylene

Concen: 5.175 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031303.D

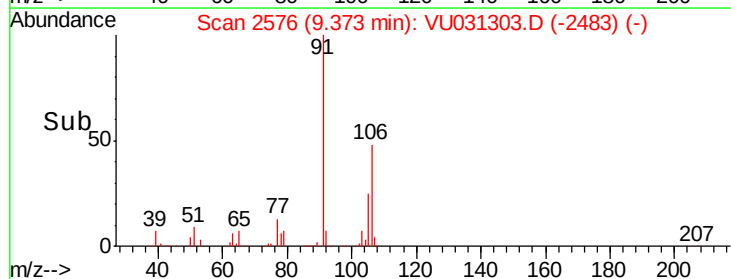
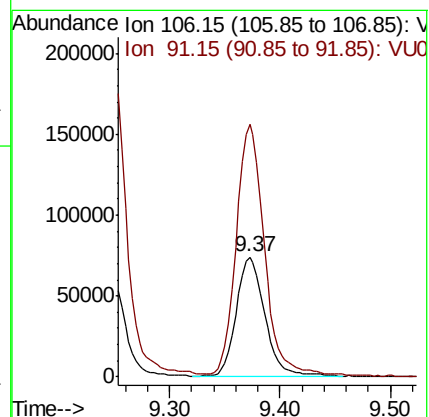
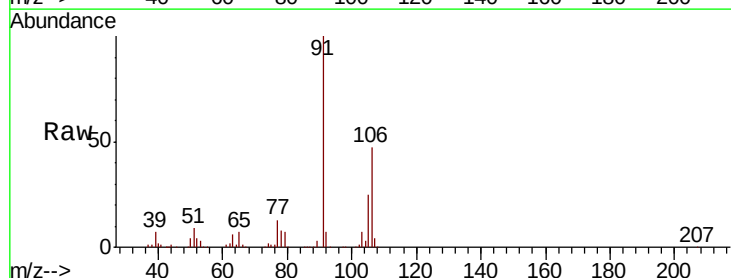
Acq: 18 Apr 2019 13:32

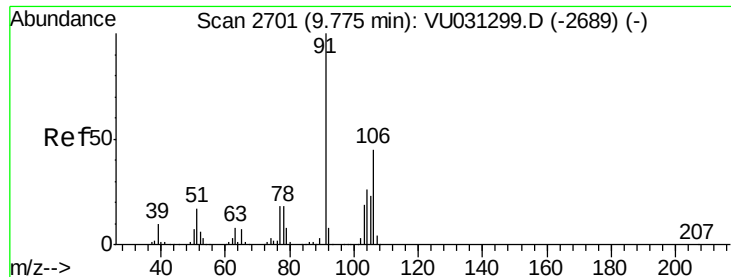
Tgt Ion: 106 Resp: 132607

Ion Ratio Lower Upper

106 100

91 210.6 144.2 267.8





#54

o-Xylene

Concen: 5.129 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

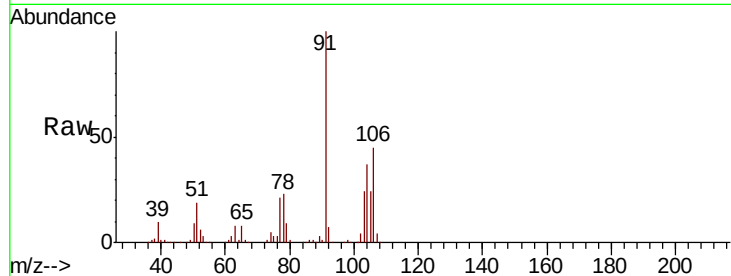
VSTD00542

Tgt Ion:106 Resp: 129525

Ion Ratio Lower Upper

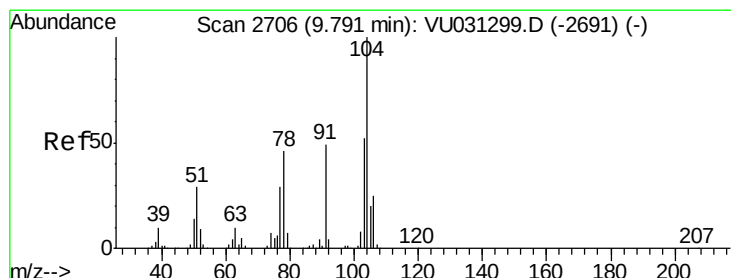
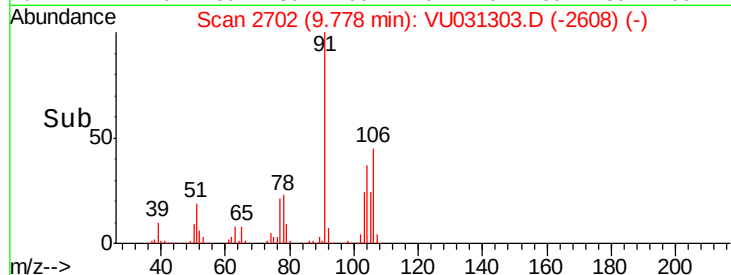
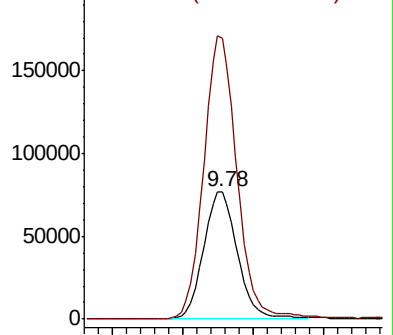
106 100

91 220.0 156.2 290.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU



#55

Styrene

Concen: 5.204 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU031303.D

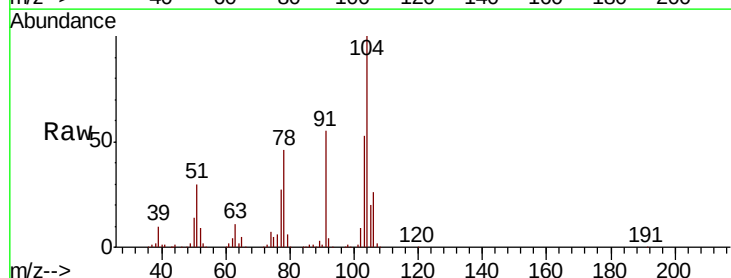
Acq: 18 Apr 2019 13:32

Tgt Ion:104 Resp: 218265

Ion Ratio Lower Upper

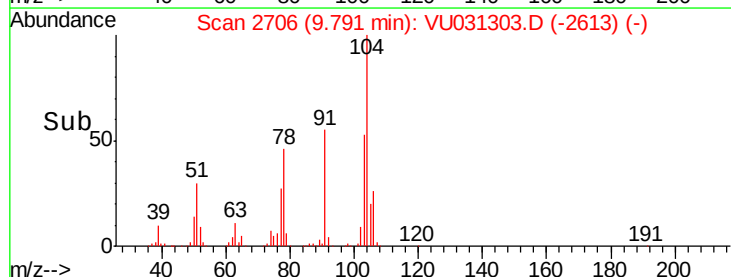
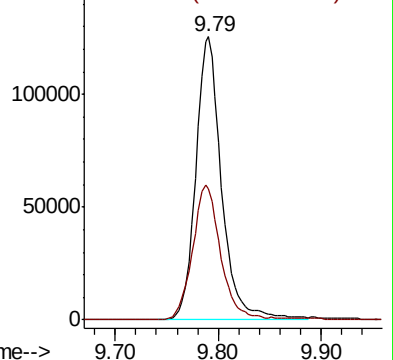
104 100

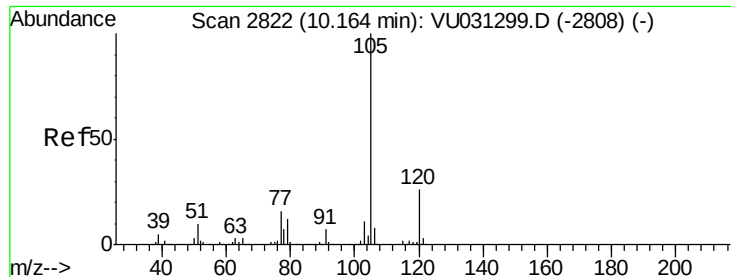
78 46.4 32.0 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU





#56

Isopropylbenzene

Concen: 5.149 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

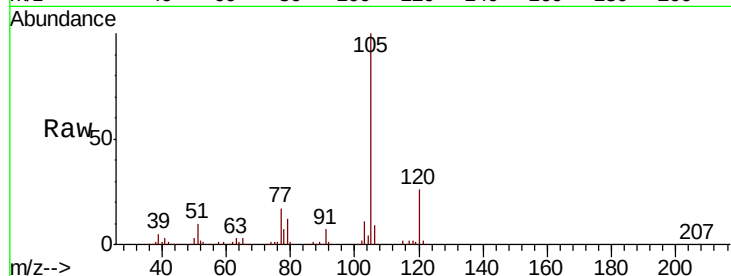
Tgt Ion: 105 Resp: 341360

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

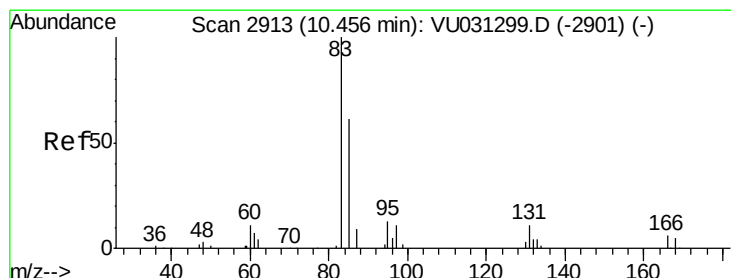
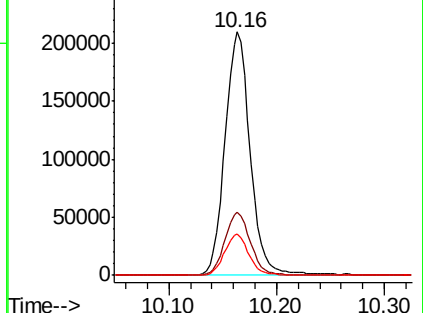
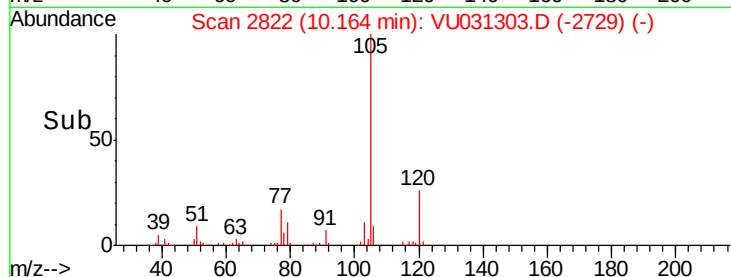
77 16.3 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.751 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

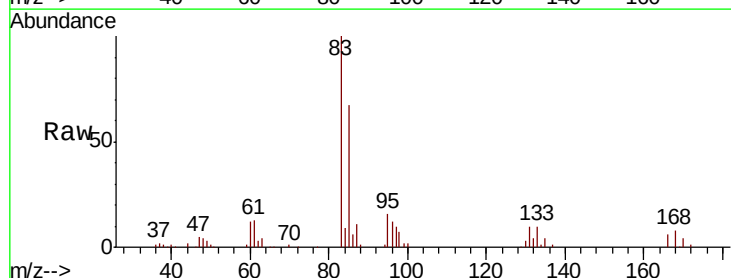
Tgt Ion: 83 Resp: 78113

Ion Ratio Lower Upper

83 100

85 67.2 43.1 80.1

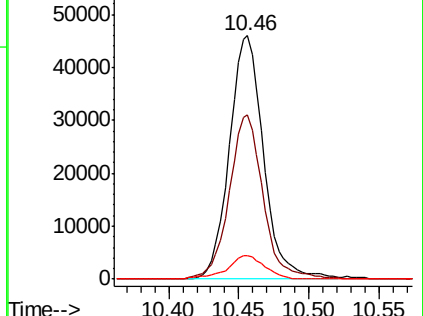
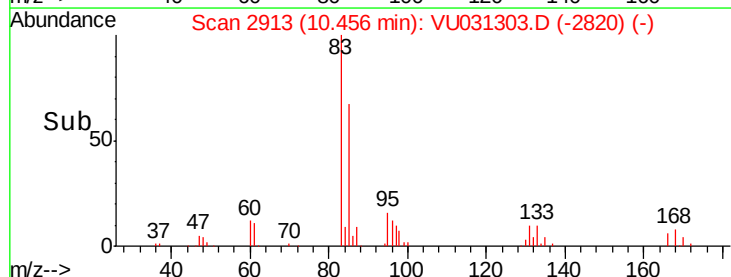
131 9.8 9.4 14.2

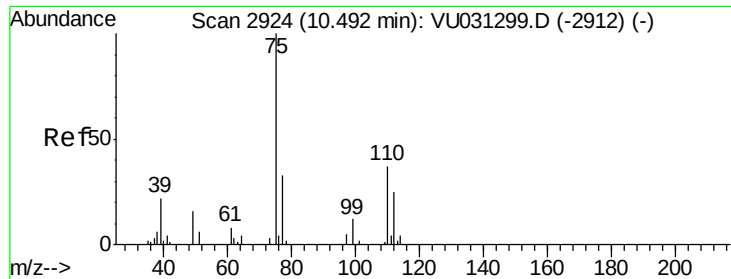


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

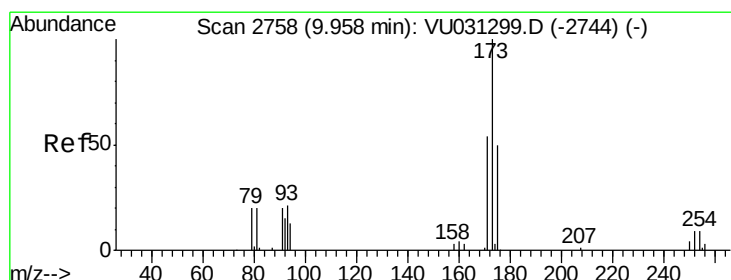
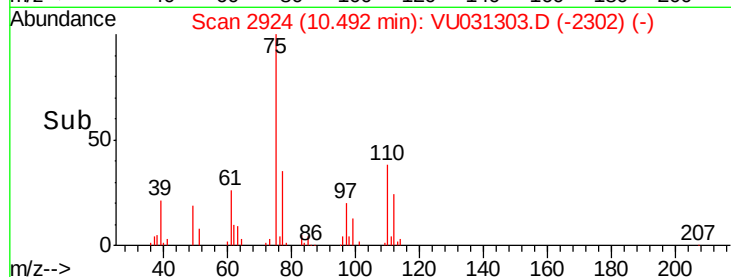
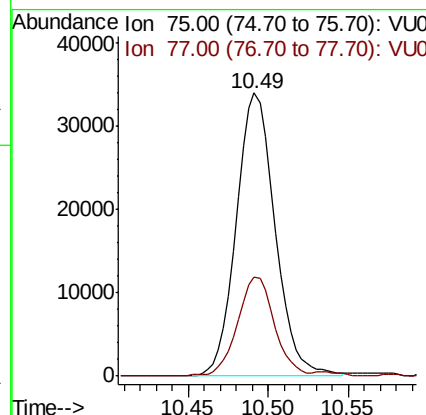
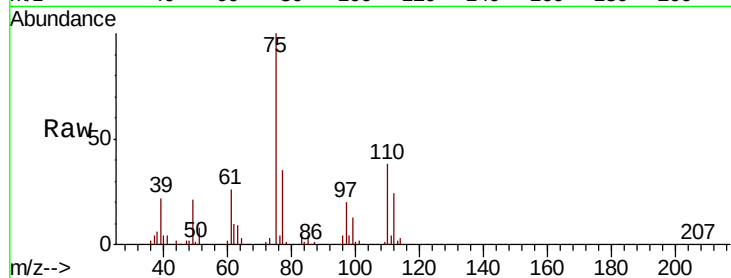




#59
 1,2,3-Trichloropropane
 Concen: 4.757 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

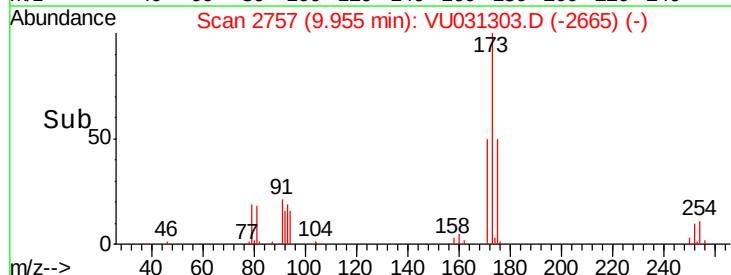
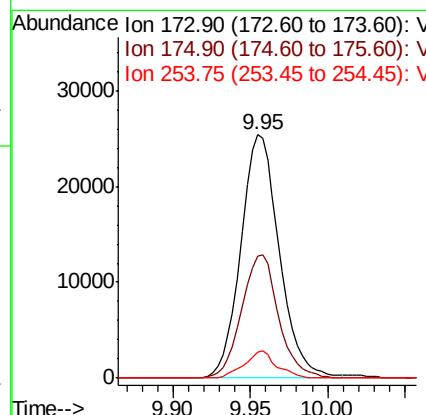
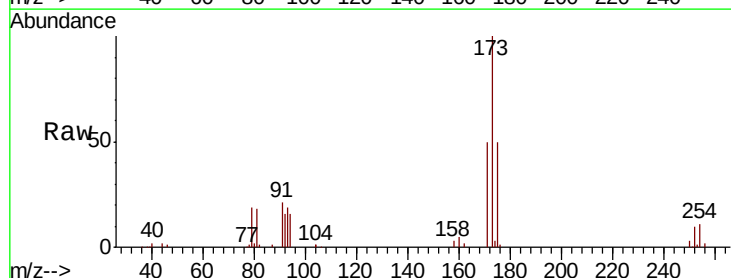
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

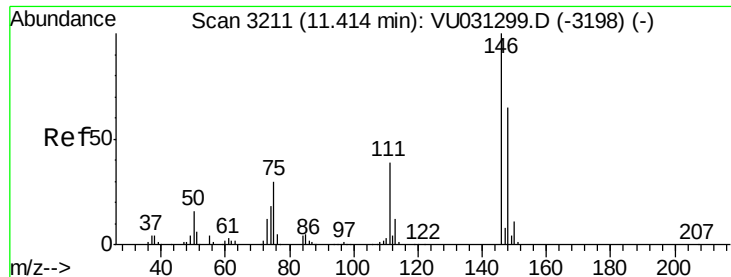
Tgt Ion: 75 Resp: 56042
 Ion Ratio Lower Upper
 75 100
 77 33.5 27.0 40.6



#61
 Bromoform
 Concen: 4.841 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

Tgt Ion: 173 Resp: 43974
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.2 58.8
 254 9.3 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 5.036 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

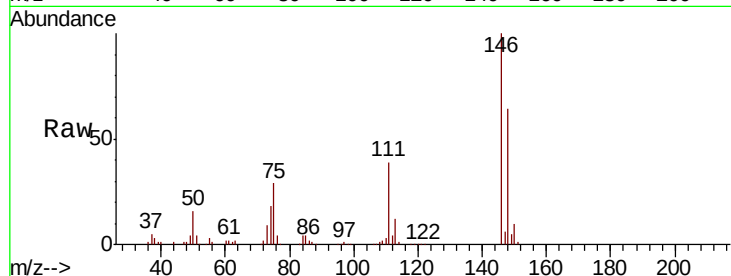
Tgt Ion:146 Resp: 156478

Ion Ratio Lower Upper

146 100

111 38.8 27.6 51.2

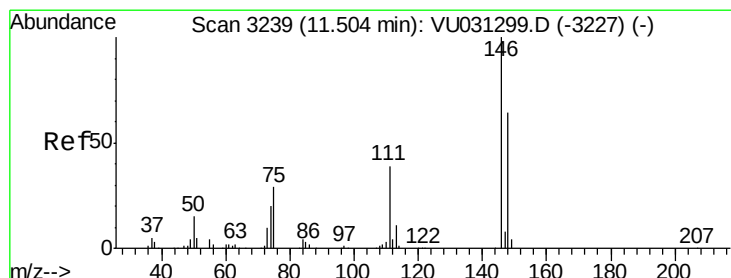
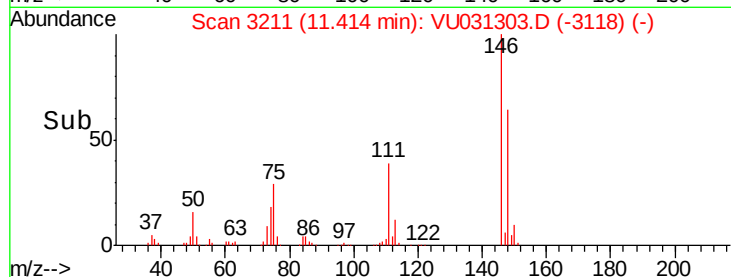
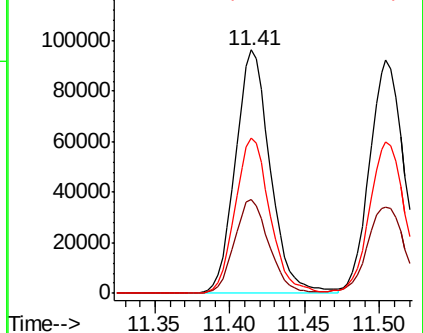
148 63.7 45.4 84.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.867 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

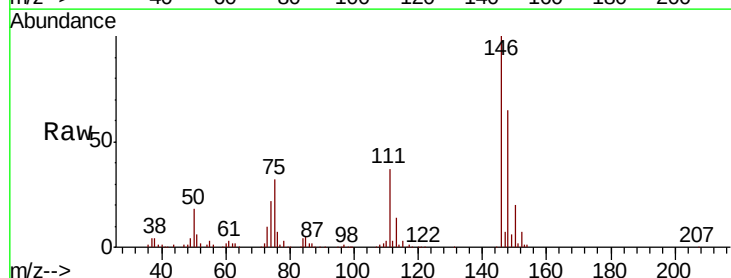
Tgt Ion:146 Resp: 152371

Ion Ratio Lower Upper

146 100

111 37.2 27.6 51.2

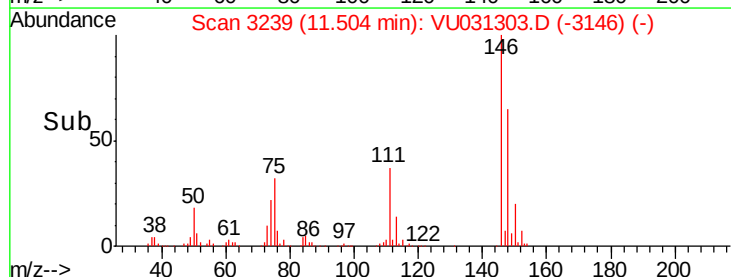
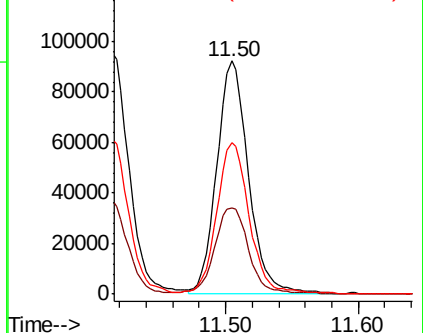
148 64.9 44.9 83.5

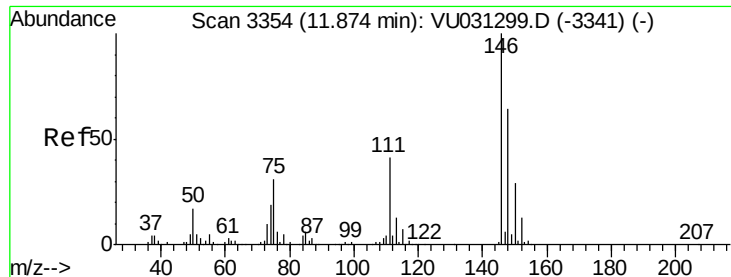


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.860 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

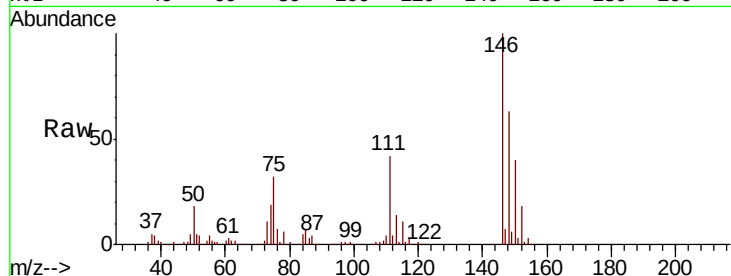
Tgt Ion:146 Resp: 153709

Ion Ratio Lower Upper

146 100

111 41.6 33.0 49.6

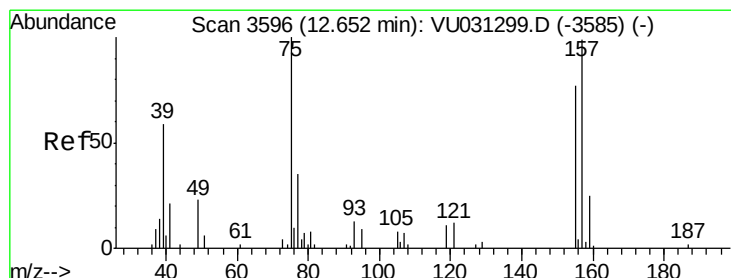
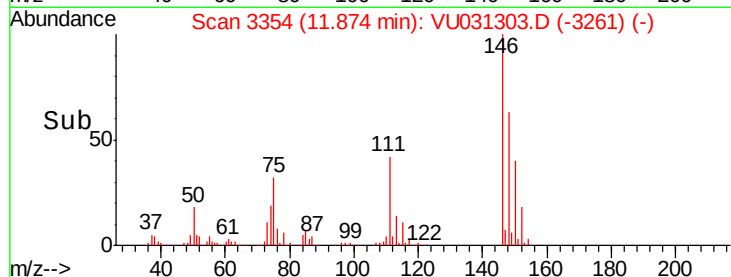
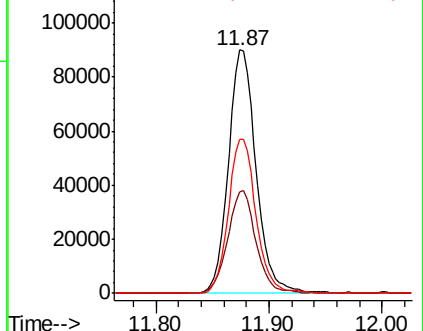
148 63.0 51.4 77.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.713 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

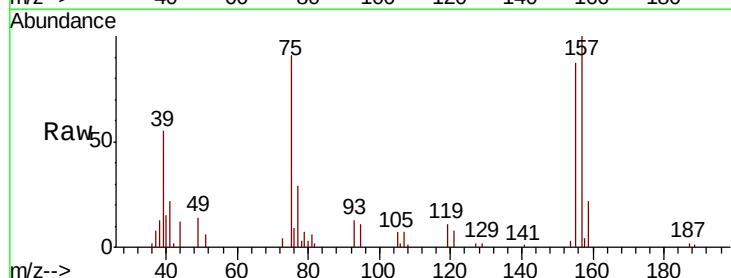
Tgt Ion: 75 Resp: 12133

Ion Ratio Lower Upper

75 100

155 95.5 61.8 92.6#

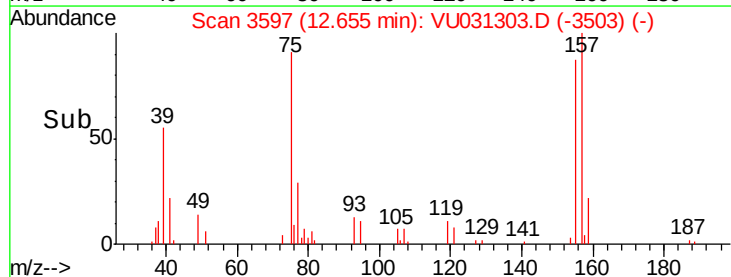
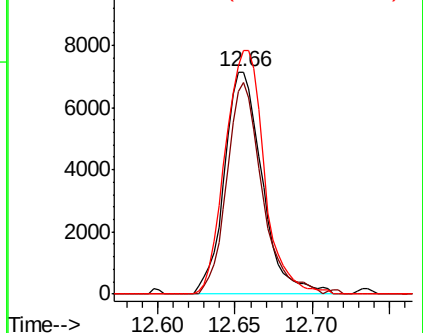
157 109.5 79.4 119.0

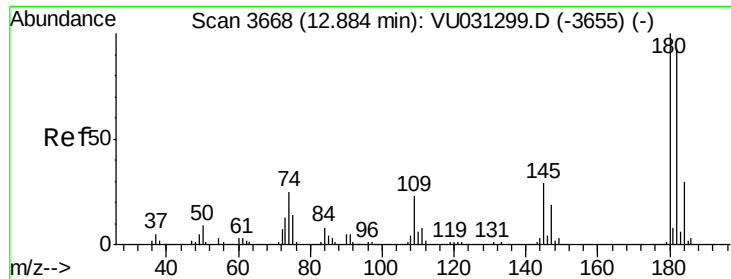


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

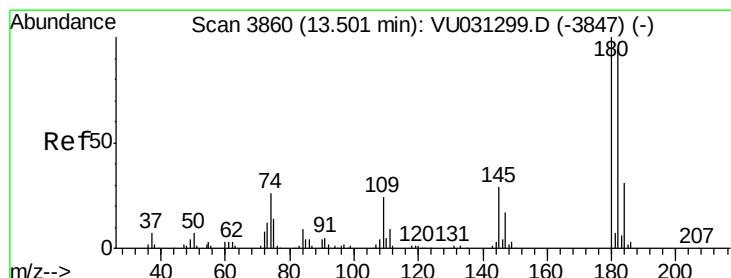
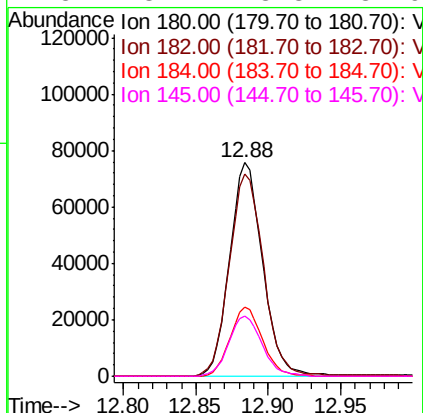
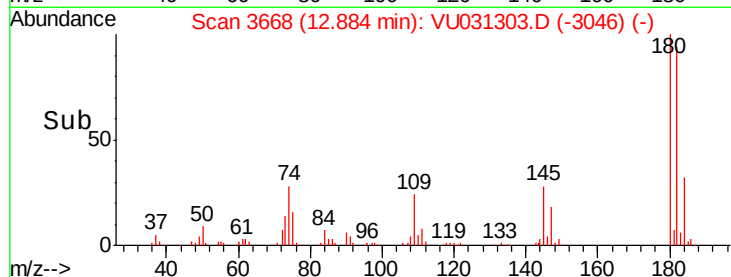
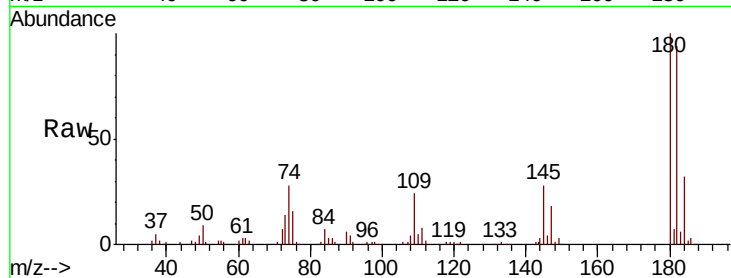




#67
 1,3,5-Trichlorobenzene
 Concen: 4.701 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

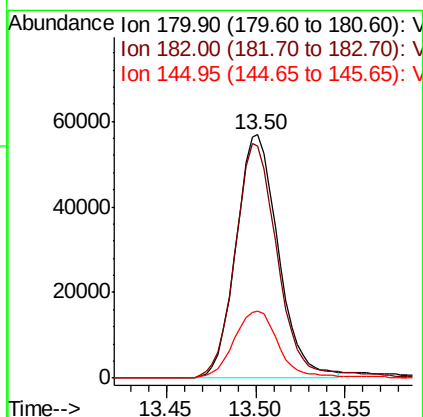
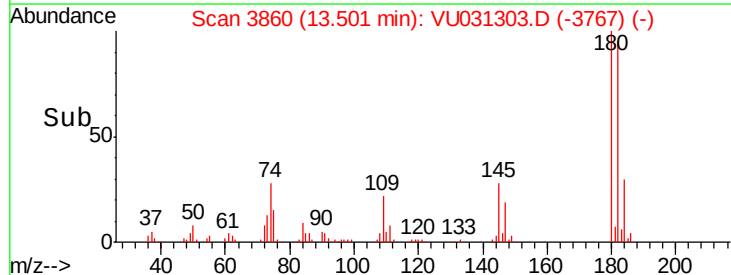
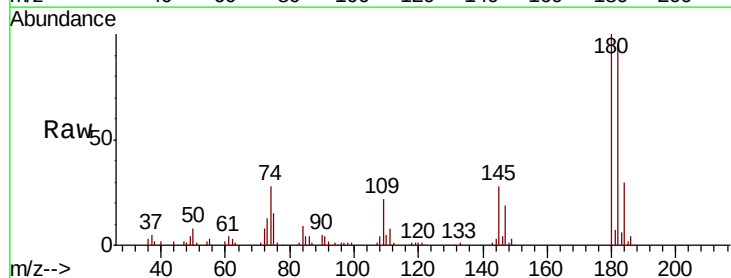
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00542

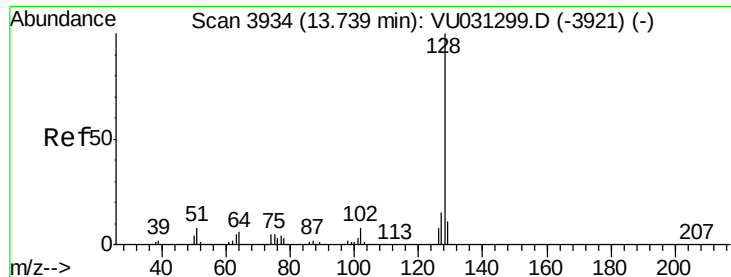
Tgt Ion:	180	Resp:	119973
Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.0	115.6
184	31.6	23.9	35.9
145	28.4	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 5.093 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU031303.D
 Acq: 18 Apr 2019 13:32

Tgt Ion:	180	Resp:	93741
Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.2	112.8
145	29.2	22.7	34.1





#69

Naphthalene

Concen: 4.527 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00542

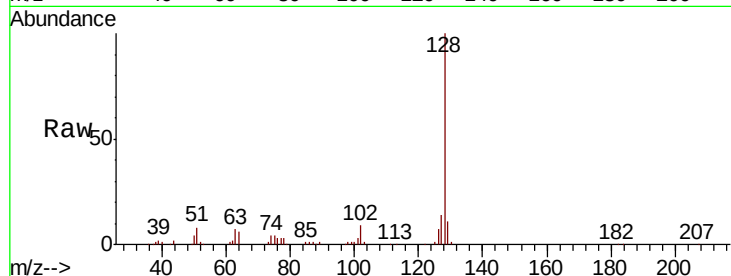
Tgt Ion:128 Resp: 163577

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

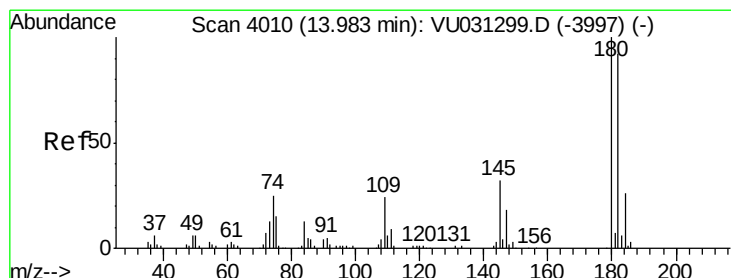
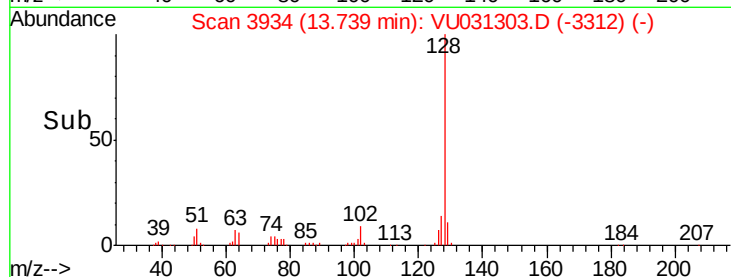
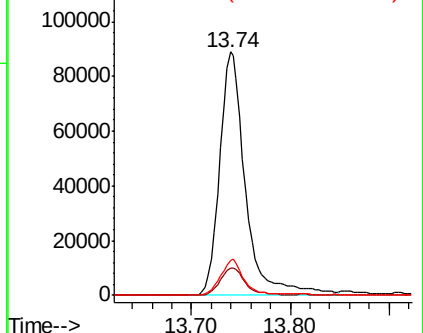
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.216 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU031303.D

Acq: 18 Apr 2019 13:32

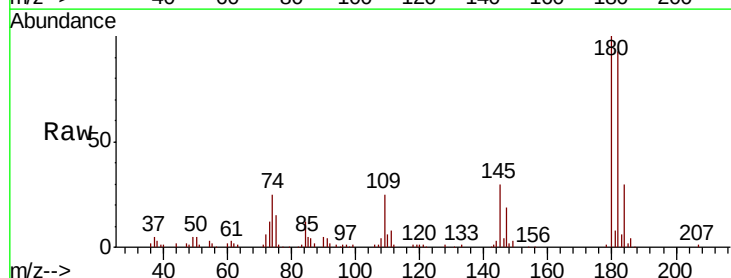
Tgt Ion:180 Resp: 99444

Ion Ratio Lower Upper

180 100

182 93.7 74.3 111.5

145 30.7 25.3 37.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

