

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030718.D
 Acq On : 05 Apr 2019 04:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Apr 05 05:19:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 02:15:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	488684	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	479354	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	223154	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	207573	47.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.16%
7) Chloroethane-d5	1.68	69	160930	48.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.22%
11) 1,1-Dichloroethene-d2	2.27	63	381609	48.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.72%
21) 2-Butanone-d5	4.17	46	361885	104.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.67%
24) Chloroform-d	4.64	84	331043	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.36%
26) 1,2-Dichloroethane-d4	5.31	65	223820	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
32) Benzene-d6	5.34	84	683860	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
36) 1,2-Dichloropropane-d6	6.33	67	234304	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.72%
41) Toluene-d8	7.56	98	617638	49.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.58%
43) trans-1,3-Dichloropropene-	7.85	79	104128	47.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.24%
47) 2-Hexanone-d5	8.31	63	226188	103.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	320784	49.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.18%
64) 1,2-Dichlorobenzene-d4	11.85	152	217583	49.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	196535	45.785	ug/L 99
3) Chloromethane	1.32	50	263031	47.373	ug/L 100
5) Vinyl chloride	1.40	62	257951	47.993	ug/L 98
6) Bromomethane	1.62	94	133540	47.957	ug/L 98
8) Chloroethane	1.69	64	151211	49.327	ug/L 98
9) Trichlorofluoromethane	1.88	101	298138	47.606	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	160189	45.778	ug/L 98
12) 1,1-Dichloroethene	2.28	96	168767	49.960	ug/L 98
13) Acetone	2.32	43	261965	74.045	ug/L 98
14) Carbon disulfide	2.47	76	507074	48.321	ug/L 99
15) Methyl Acetate	2.61	43	275840	50.286	ug/L 97
16) Methylene chloride	2.69	84	197521	48.133	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	167934	46.821	ug/L 99
18) Methyl tert-butyl Ether	2.99	73	595808	49.590	ug/L 99
19) 1,1-Dichloroethane	3.44	63	364814	49.286	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	198918	50.227	ug/L 95
22) 2-Butanone	4.26	43	396820	95.663	ug/L 96

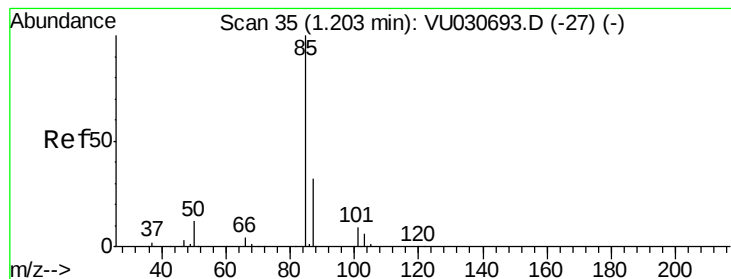
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	92522	49.416	ug/L	98
25) Chloroform	4.67	83	355549	47.792	ug/L	100
27) 1,2-Dichloroethane	5.40	62	278156	48.988	ug/L	98
29) Cyclohexane	4.99	56	329830	48.276	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	283498	48.529	ug/L	99
31) Carbon tetrachloride	5.13	117	239098	47.495	ug/L	98
33) Benzene	5.39	78	777117	49.540	ug/L	100
34) Trichloroethene	6.18	95	188209	48.919	ug/L	99
35) Methylcyclohexane	6.41	83	276926	46.640	ug/L	99
37) 1,2-Dichloropropane	6.43	63	217219	48.903	ug/L	99
38) Bromodichloromethane	6.75	83	259658	48.457	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	309463	48.948	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	717429	100.441	ug/L	98
42) Toluene	7.63	91	804120	50.219	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	272020	48.823	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	189282	50.246	ug/L	97
46) Tetrachloroethene	8.22	164	129474	46.287	ug/L	97
48) 2-Hexanone	8.36	43	560287	100.541	ug/L	99
49) Dibromochloromethane	8.47	129	195981	49.028	ug/L	99
50) 1,2-Dibromoethane	8.58	107	202338	49.637	ug/L	97
51) Chlorobenzene	9.12	112	483977	49.281	ug/L	99
52) Ethylbenzene	9.24	91	863505	49.474	ug/L	100
53) m,p-Xylene	9.37	106	305014	50.107	ug/L	98
54) o-xylene	9.77	106	305276	50.417	ug/L	96
55) Styrene	9.79	104	536432	51.650	ug/L	99
56) Isopropylbenzene	10.16	105	802573	50.344	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	332924	48.860	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	263327	49.499	ug/L	98
61) Bromoform	9.95	173	141174	47.889	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	339757	48.173	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	346413	48.288	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	349635	49.422	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	73691	48.999	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	246596	47.843	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	211893	48.351	ug/L	99
69) Naphthalene	13.74	128	743597	52.341	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	226454	49.458	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 45.785 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

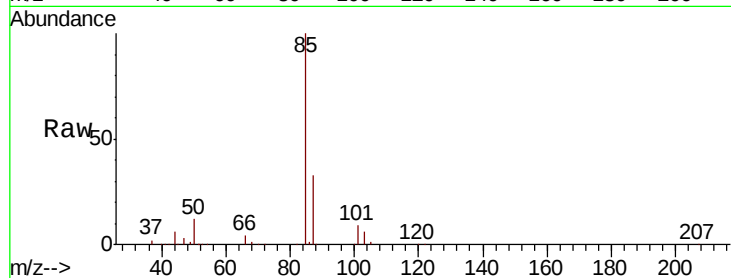
VSTD05049

Tot Ion: 85 Resp: 196535

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU030718.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU030718.D (-1) (-)

1.20

200000

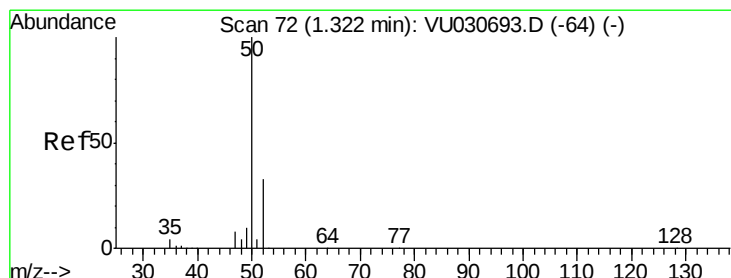
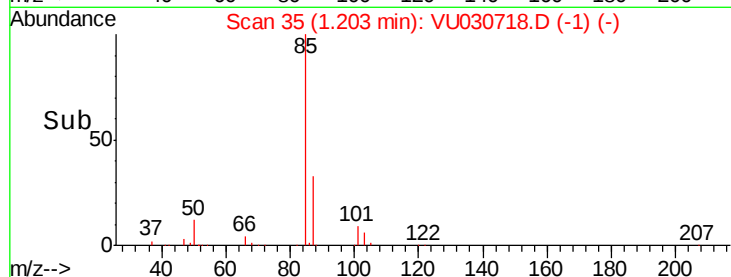
150000

100000

50000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 47.373 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU030718.D

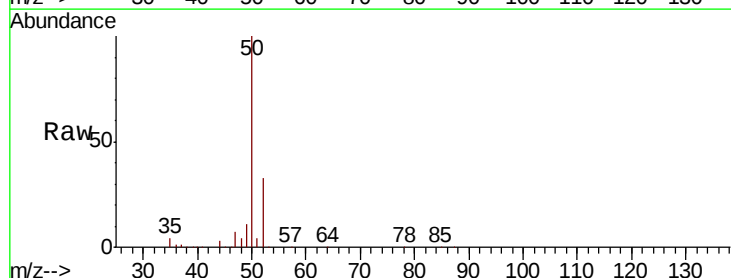
Acq: 05 Apr 2019 04:57

Tgt Ion: 50 Resp: 263031

Ion Ratio Lower Upper

50 100

52 32.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU030718.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU030718.D (-1) (-)

1.32

300000

250000

200000

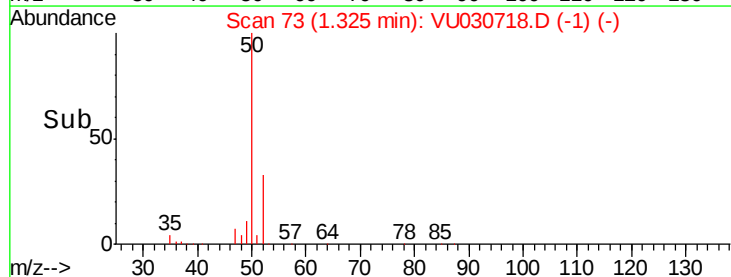
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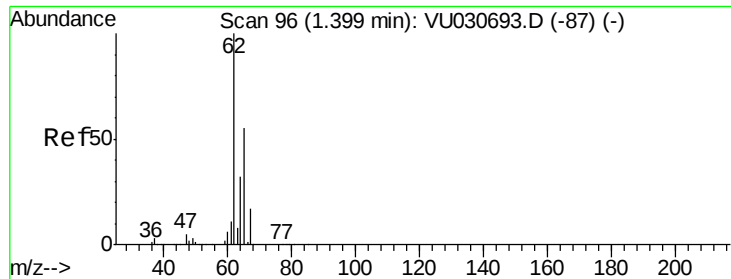
100000

50000

0

Time--> 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 47.993 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

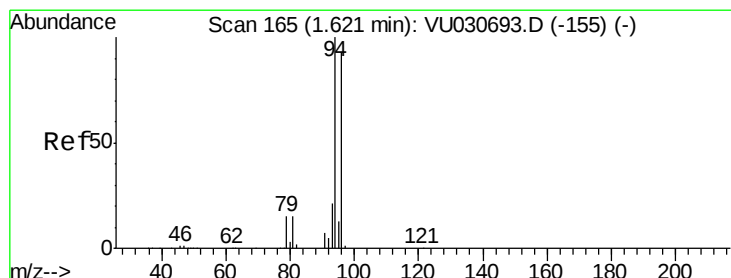
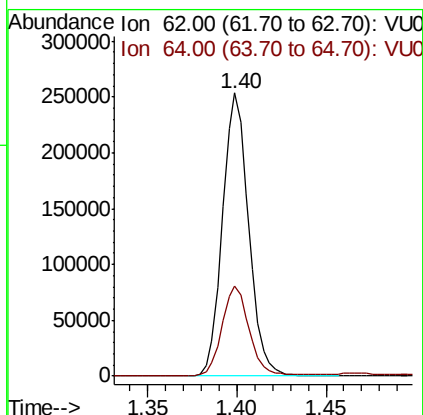
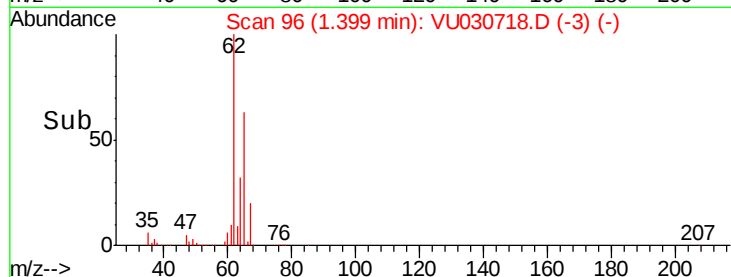
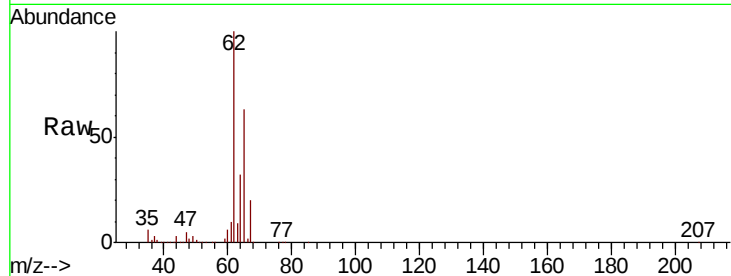
VSTD05049

Tot Ion: 62 Resp: 257951

Ion Ratio Lower Upper

62 100

64 31.9 21.5 39.9



#6

Bromomethane

Concen: 47.957 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU030718.D

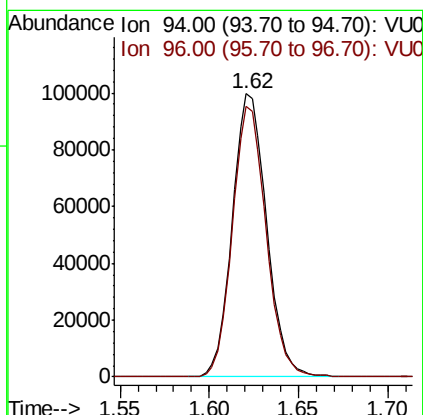
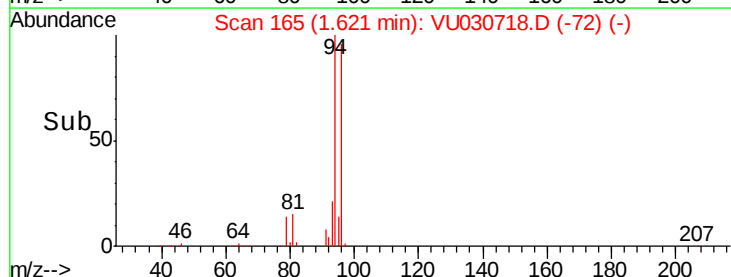
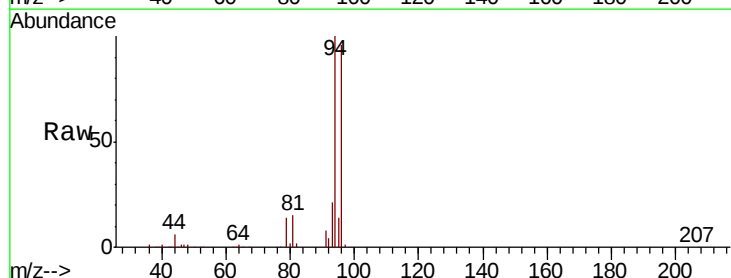
Acq: 05 Apr 2019 04:57

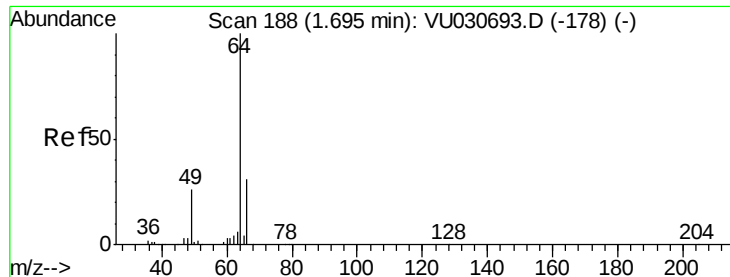
Tgt Ion: 94 Resp: 133540

Ion Ratio Lower Upper

94 100

96 95.5 65.5 121.7

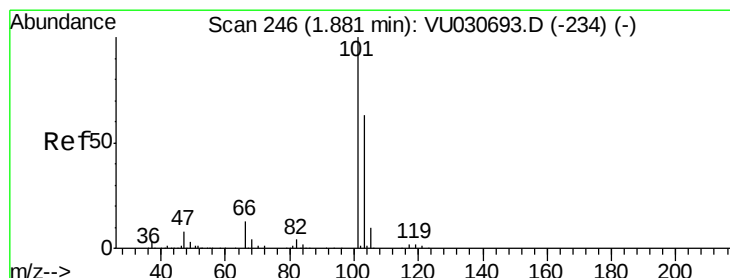
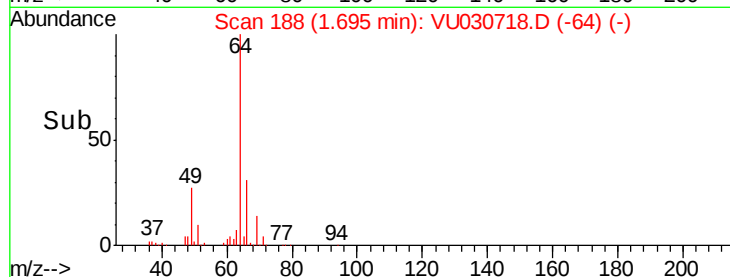
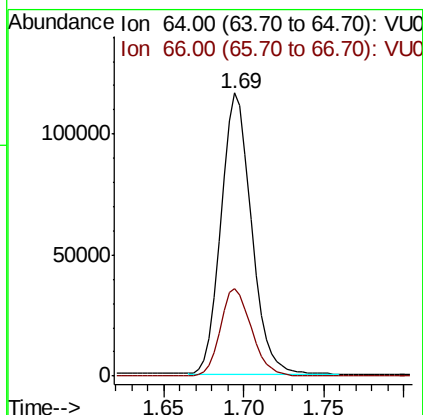
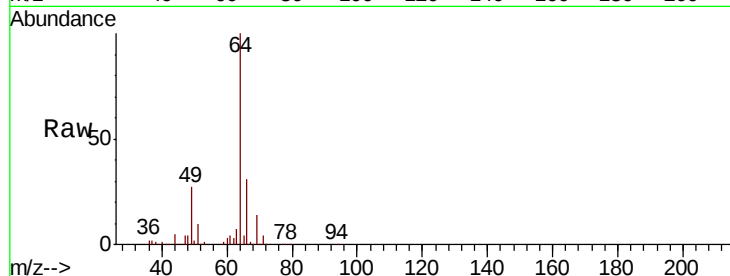




#8
Chloroethane
Concen: 49.327 ug/L
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU030718.D
Acq: 05 Apr 2019 04:57

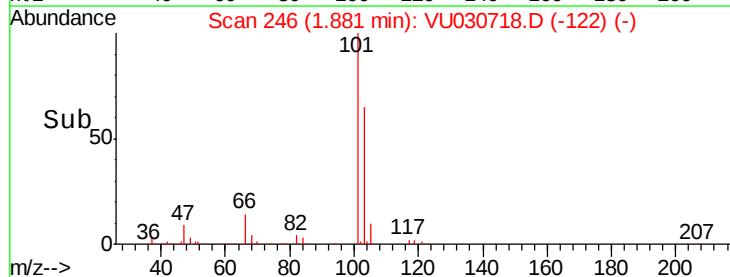
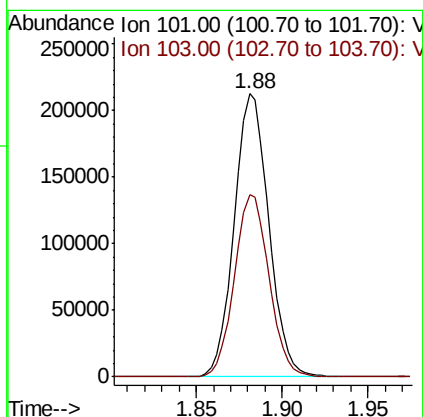
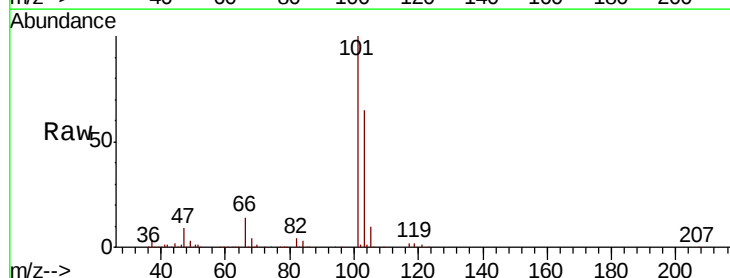
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

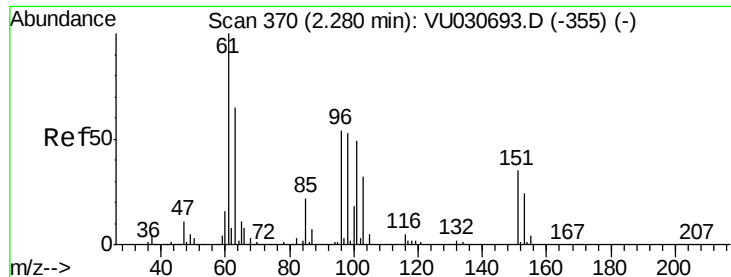
Tot Ion: 64 Resp: 151211
Ion Ratio Lower Upper
64 100
66 31.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 47.606 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU030718.D
Acq: 05 Apr 2019 04:57

Tgt Ion:101 Resp: 298138
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8





#10

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

Concen: 45.778 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

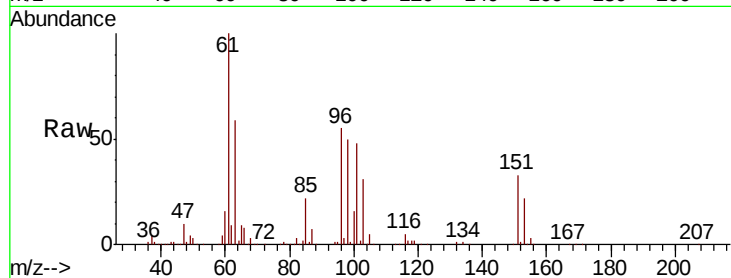
Tot Ion:101 Resp: 160189

Ion Ratio Lower Upper

101 100

85 44.5 36.8 55.2

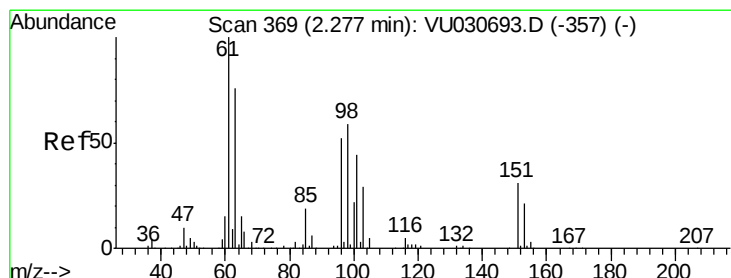
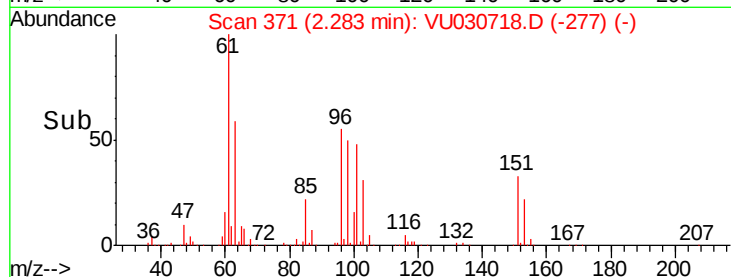
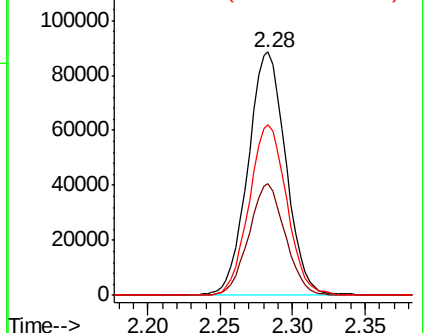
151 70.2 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.960 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

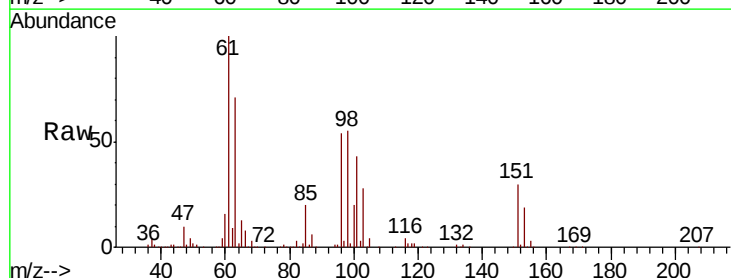
Tgt Ion: 96 Resp: 168767

Ion Ratio Lower Upper

96 100

61 184.4 132.0 245.2

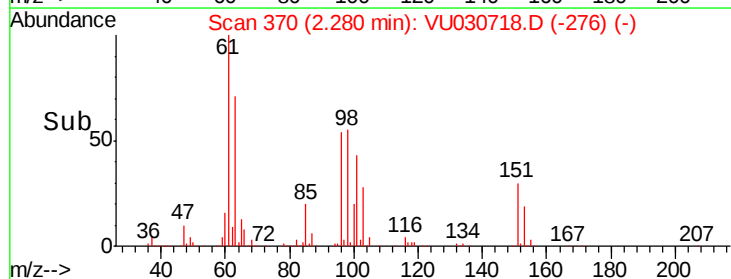
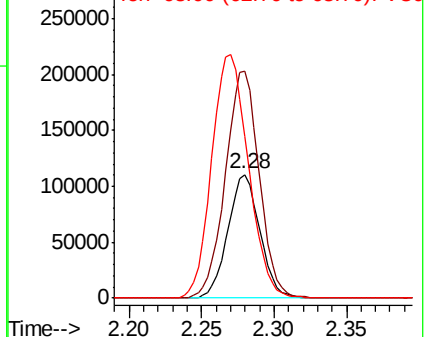
63 130.9 90.9 168.9

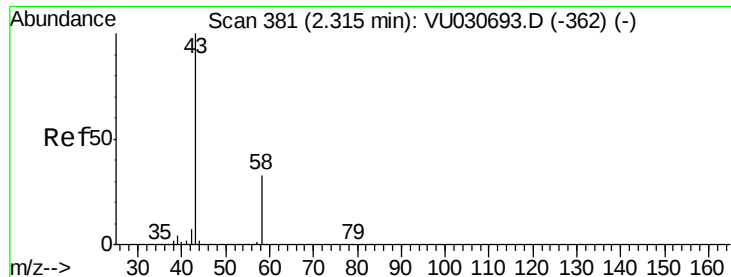


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 74.045 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

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Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

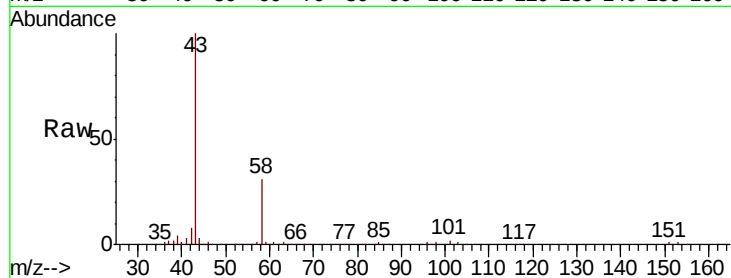
VSTD05049

Tot Ion: 43 Resp: 261965

Ion Ratio Lower Upper

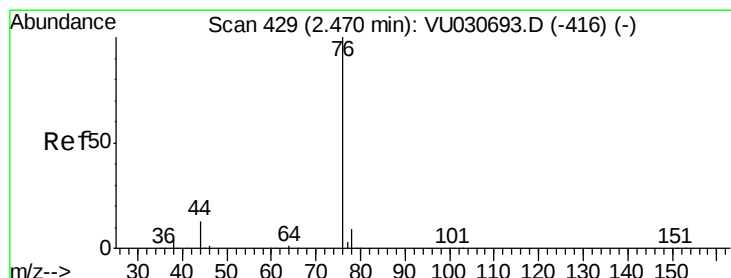
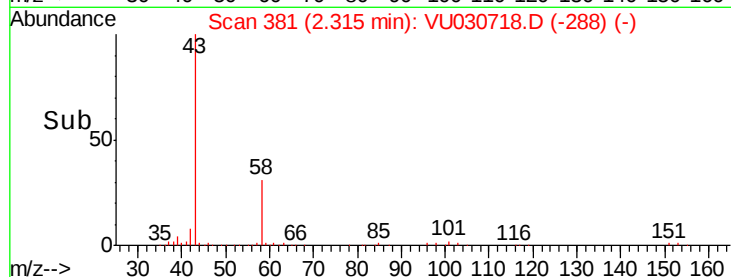
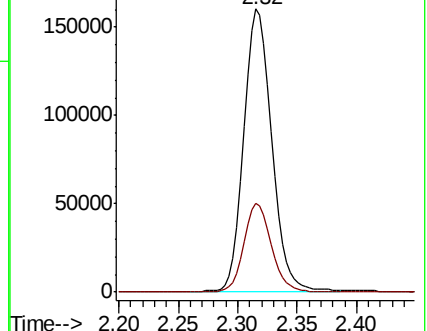
43 100

58 31.0 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030718.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU030718.D (-288) (-)



#14

Carbon disulfide

Concen: 48.321 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030718.D

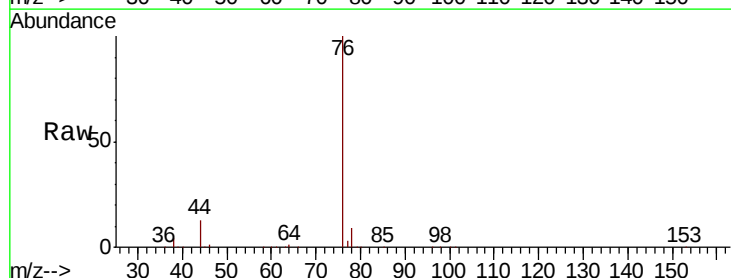
Acq: 05 Apr 2019 04:57

Tgt Ion: 76 Resp: 507074

Ion Ratio Lower Upper

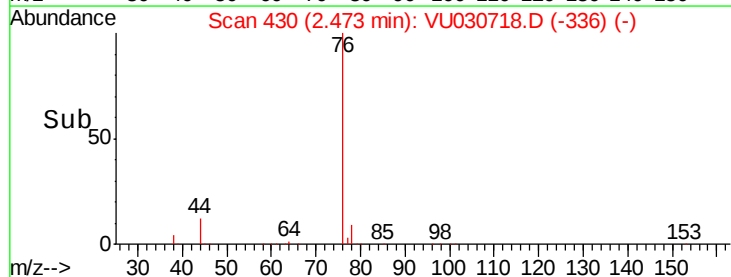
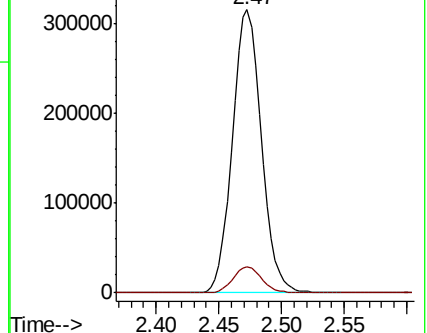
76 100

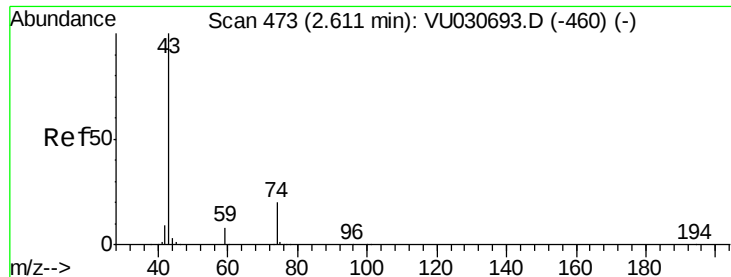
78 9.0 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VU030718.D (-336) (-)

Ion 78.00 (77.70 to 78.70): VU030718.D (-336) (-)

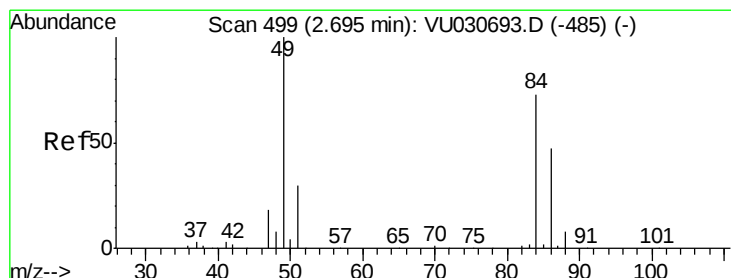
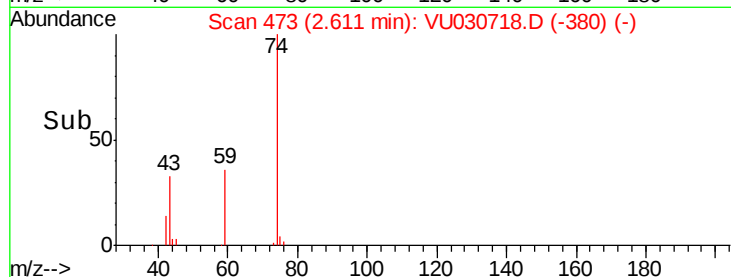
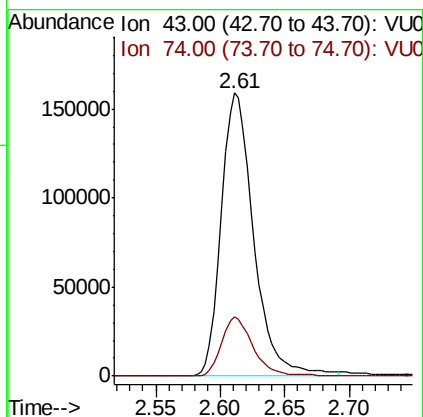
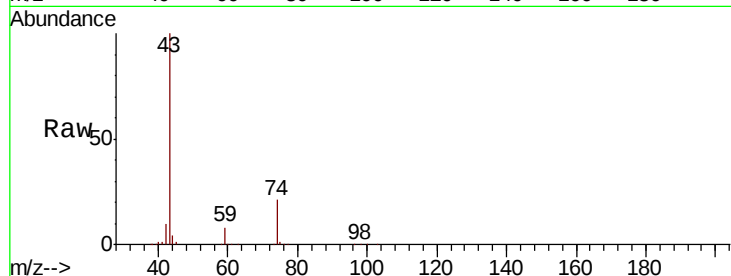




#15
Methvl Acetate
Concen: 50.286 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU030718.D
Acq: 05 Apr 2019 04:57

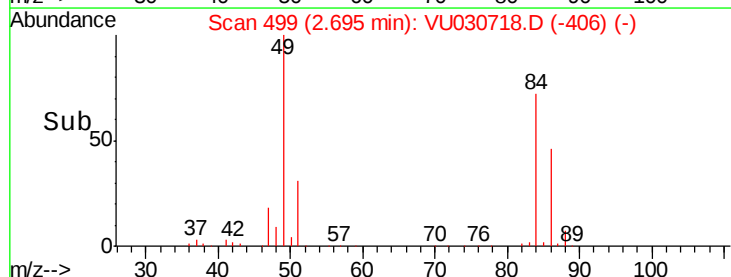
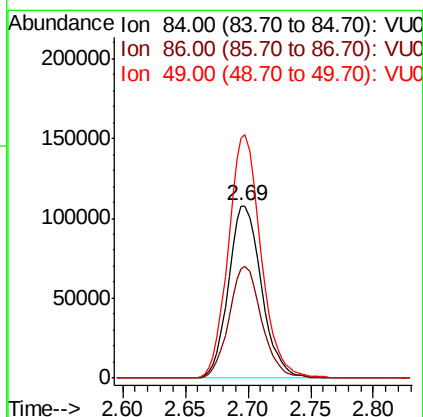
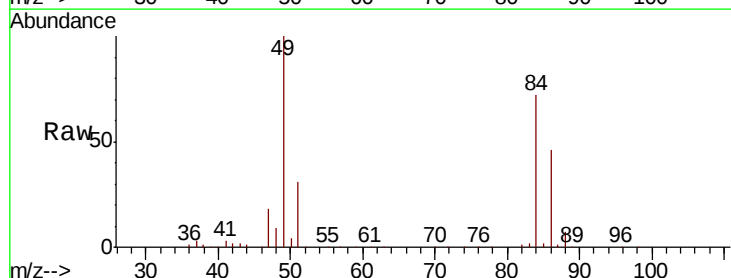
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

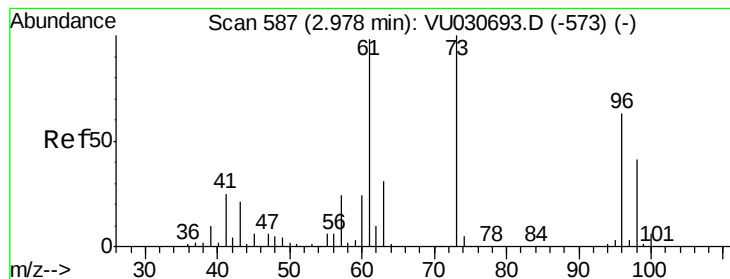
Tot Ion: 43 Resp: 275840
Ion Ratio Lower Upper
43 100
74 20.1 17.1 25.7



#16
Methylene chloride
Concen: 48.133 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU030718.D
Acq: 05 Apr 2019 04:57

Tgt Ion: 84 Resp: 197521
Ion Ratio Lower Upper
84 100
86 63.6 45.1 83.7
49 139.5 96.5 179.1





#17

trans-1,2-Dichloroethene

Concen: 46.821 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

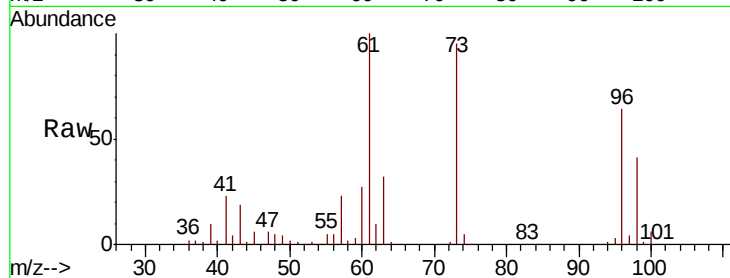
Tot Ion: 96 Resp: 167934

Ion Ratio Lower Upper

96 100

61 156.9 109.5 203.3

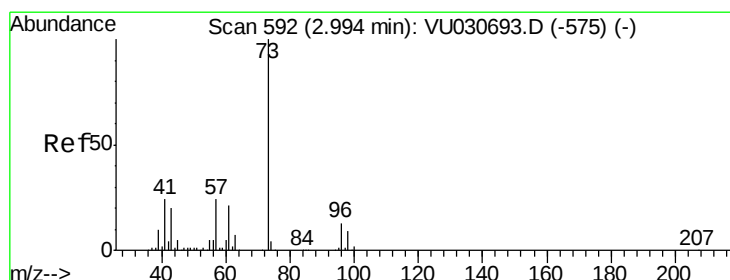
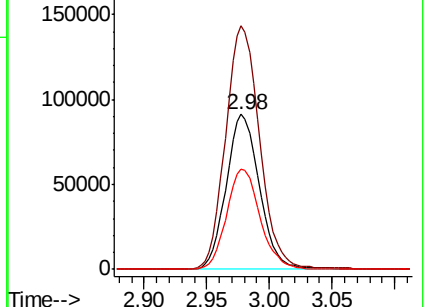
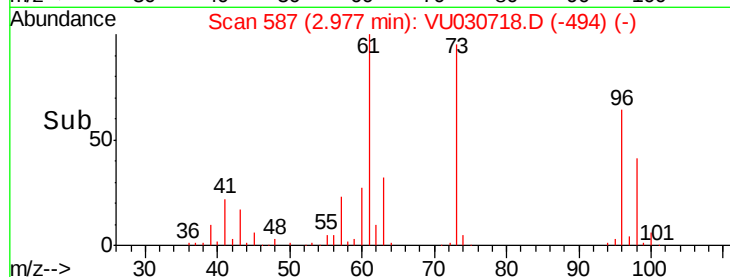
98 64.4 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030718.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU030718.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU030718.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 49.590 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

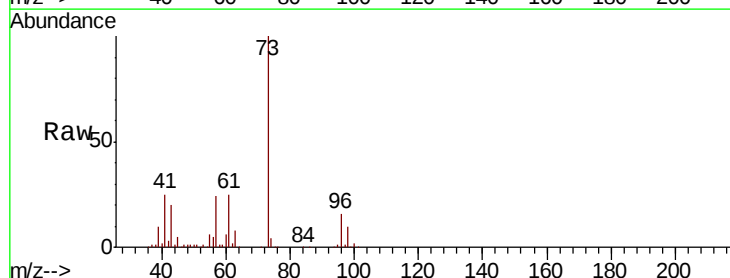
Tgt Ion: 73 Resp: 595808

Ion Ratio Lower Upper

73 100

43 20.1 16.4 24.6

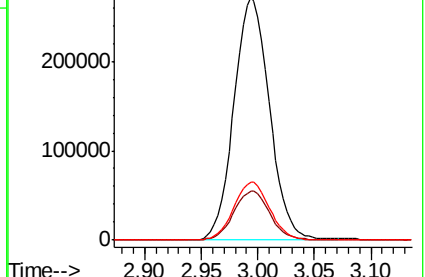
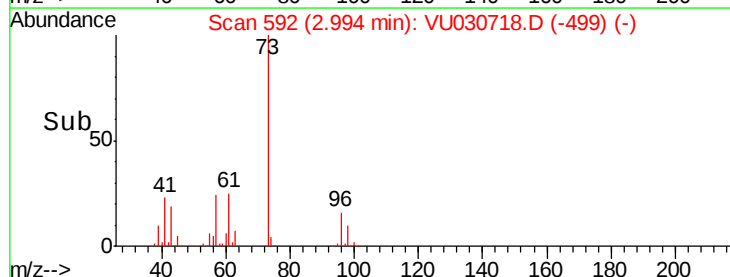
57 24.1 19.0 28.4

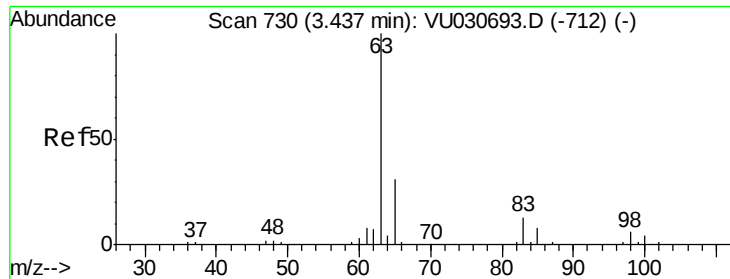


Abundance Ion 73.00 (72.70 to 73.70): VU030718.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU030718.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU030718.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 49.286 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

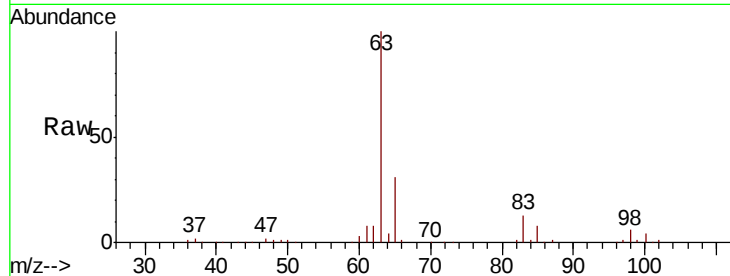
Tot Ion: 63 Resp: 364814

Ion Ratio Lower Upper

63 100

65 30.8 21.4 39.8

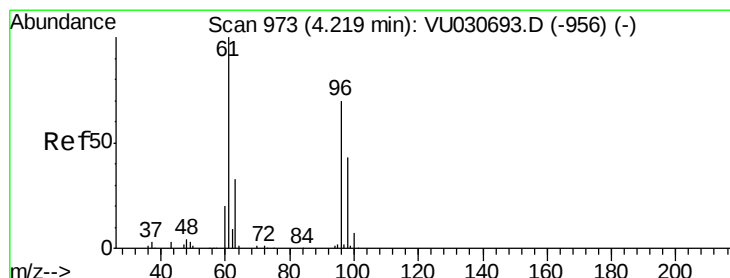
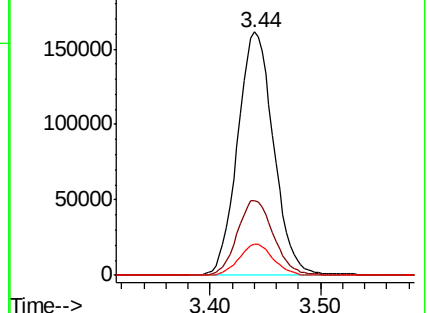
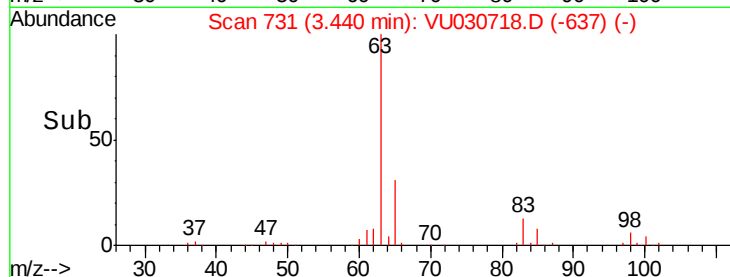
83 13.0 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU030718.D (-637) (-)

Ion 65.00 (64.70 to 65.70): VU030718.D (-637) (-)

Ion 83.00 (82.70 to 83.70): VU030718.D (-637) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.227 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

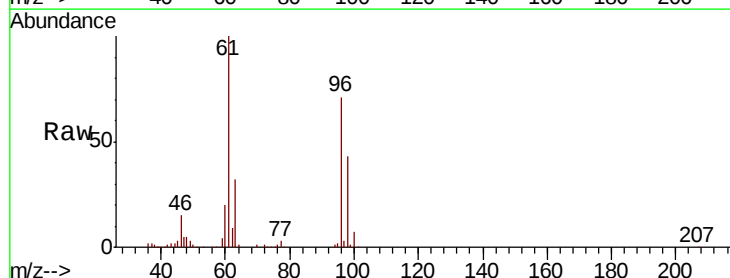
Tgt Ion: 96 Resp: 198918

Ion Ratio Lower Upper

96 100

61 141.3 102.9 191.1

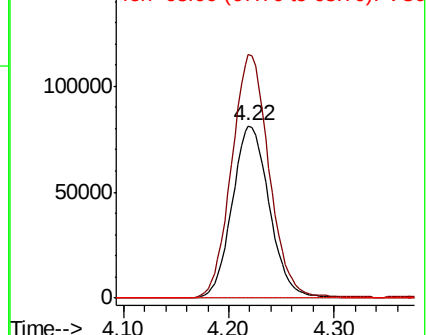
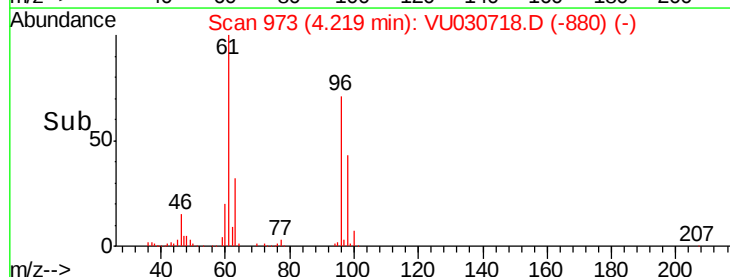
68 0.0 0.0 0.0

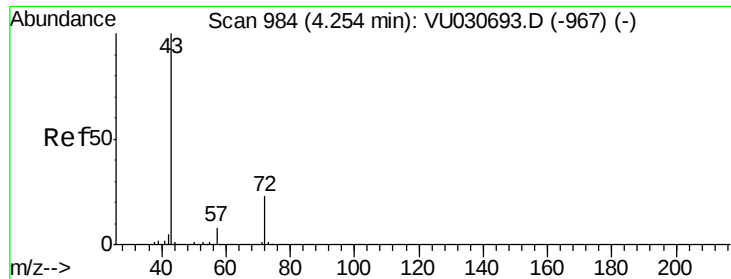


Abundance Ion 96.00 (95.70 to 96.70): VU030718.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU030718.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU030718.D (-880) (-)





#22

2-Butanone

Concen: 95.663 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

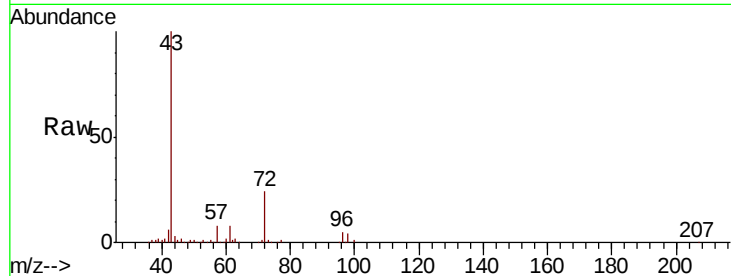
VSTD05049

Tot Ion: 43 Resp: 396820

Ion Ratio Lower Upper

43 100

72 23.7 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VU030718.D (-981) (-)

Ion 72.00 (71.70 to 72.70): VU030718.D (-981) (-)

4.26

150000

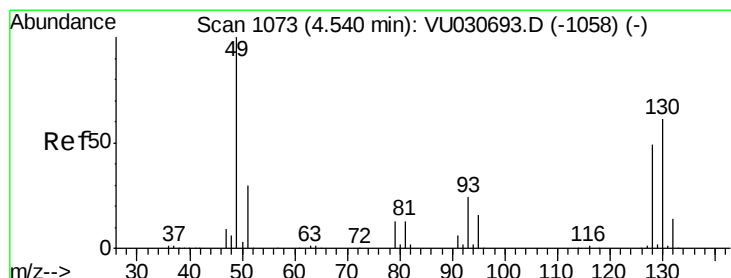
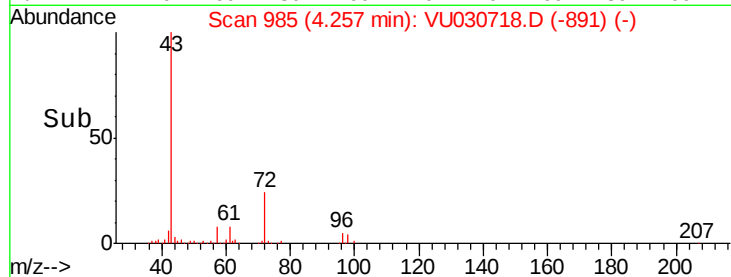
100000

50000

0

4.20 4.30

Time-->



#23

Bromochloromethane

Concen: 49.416 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Tgt Ion: 128 Resp: 92522

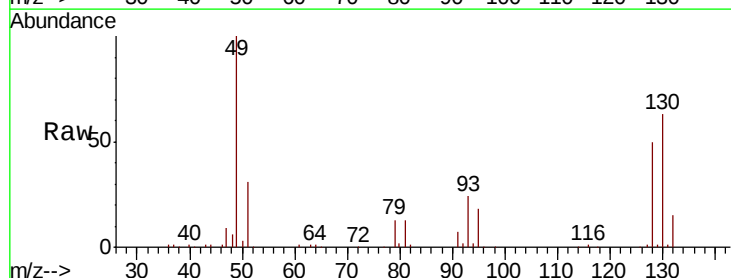
Ion Ratio Lower Upper

128 100

49 201.3 139.9 259.7

130 126.8 86.6 160.8

51 62.6 52.2 78.4



Abundance Ion 128.00 (127.70 to 128.70): VU030718.D (-980) (-)

Ion 49.00 (48.70 to 49.70): VU030718.D (-980) (-)

Ion 130.00 (129.70 to 130.70): VU030718.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VU030718.D (-980) (-)

120000

100000

80000

60000

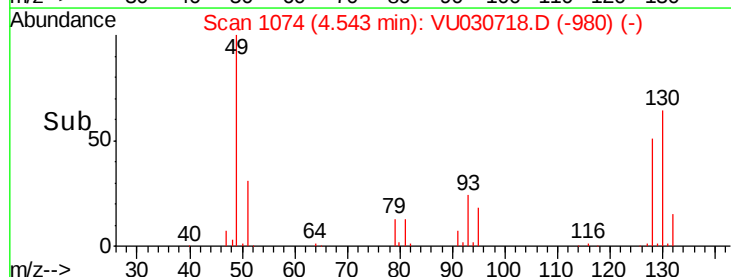
40000

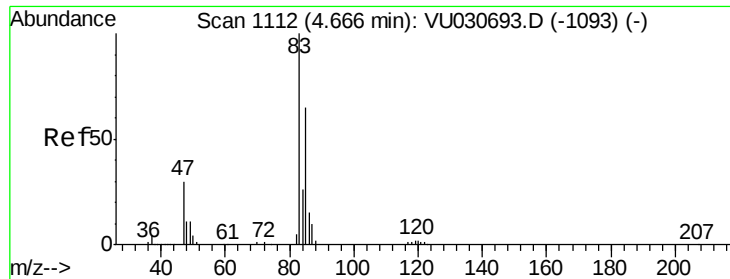
20000

0

4.50 4.60

Time-->

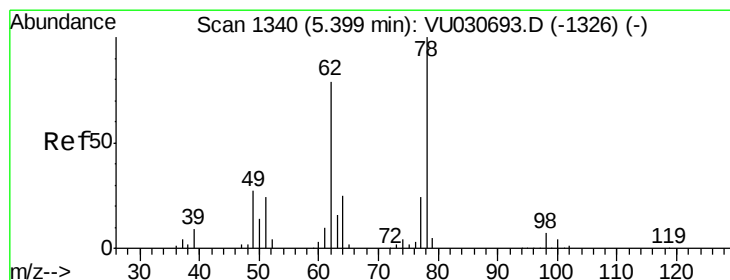
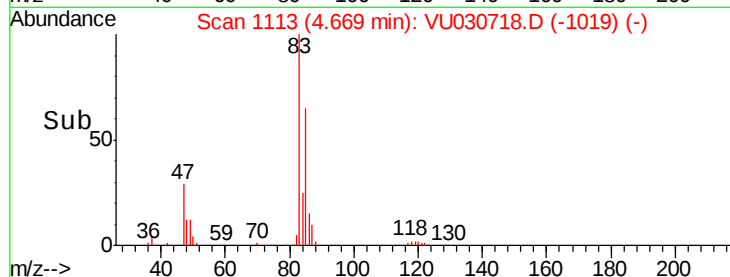
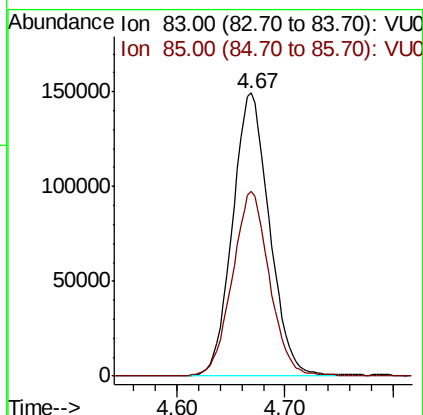
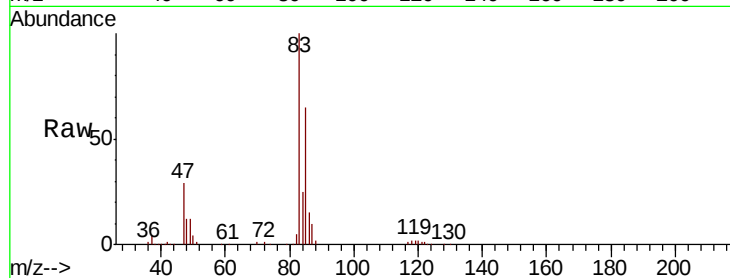




#25
Chloroform
Concen: 47.792 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030718.D
Acq: 05 Apr 2019 04:57

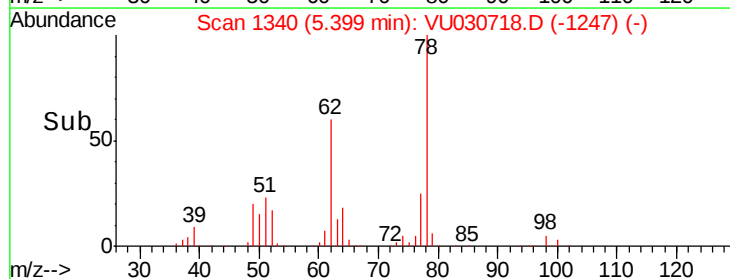
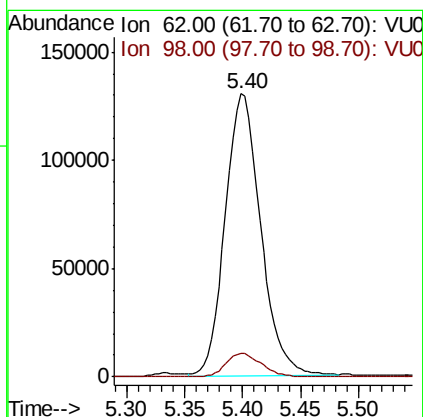
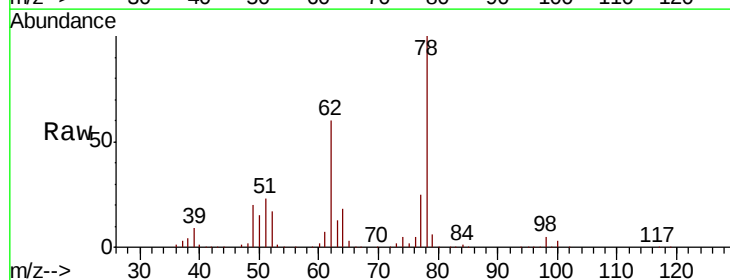
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

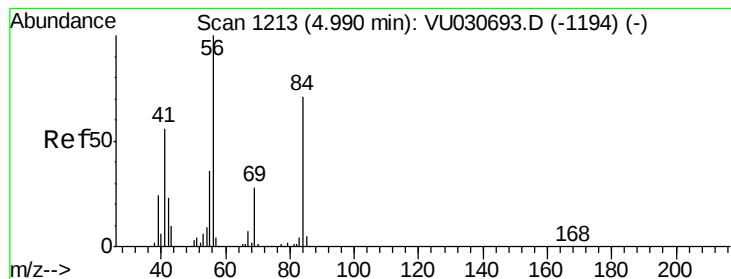
Tot Ion: 83 Resp: 355549
Ion Ratio Lower Upper
83 100
85 65.3 45.8 85.0



#27
1,2-Dichloroethane
Concen: 48.988 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU030718.D
Acq: 05 Apr 2019 04:57

Tgt Ion: 62 Resp: 278156
Ion Ratio Lower Upper
62 100
98 8.4 7.2 10.8





#29

Cyclohexane

Concen: 48.276 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

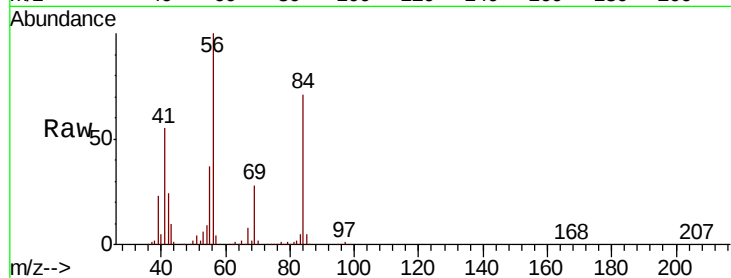
Tot Ion: 56 Resp: 329830

Ion Ratio Lower Upper

56 100

69 27.8 22.0 33.0

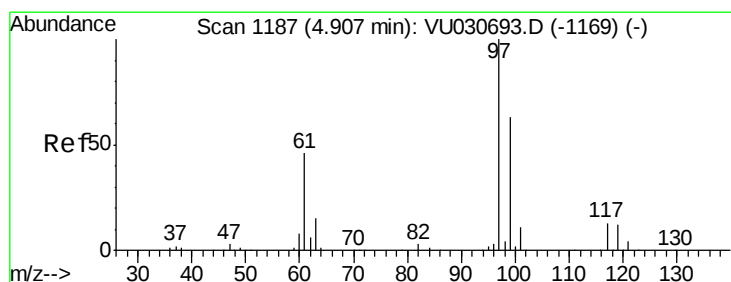
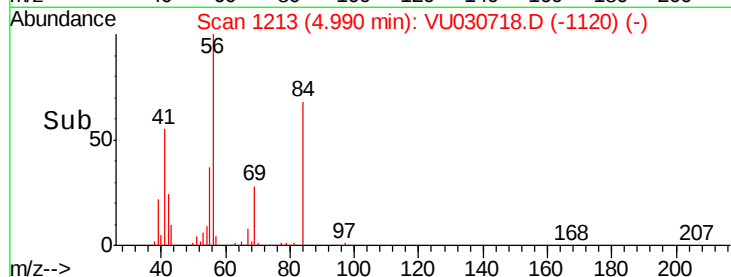
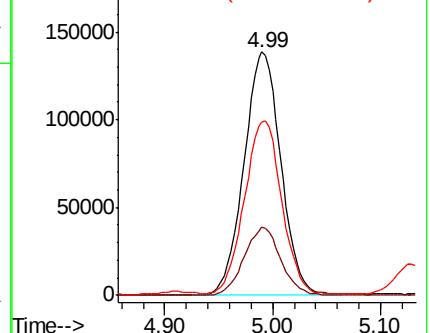
84 72.2 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VU030718.D (-1120) (-)

Ion 69.00 (68.70 to 69.70): VU030718.D (-1120) (-)

Ion 84.00 (83.70 to 84.70): VU030718.D (-1120) (-)



#30

1,1,1-Trichloroethane

Concen: 48.529 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

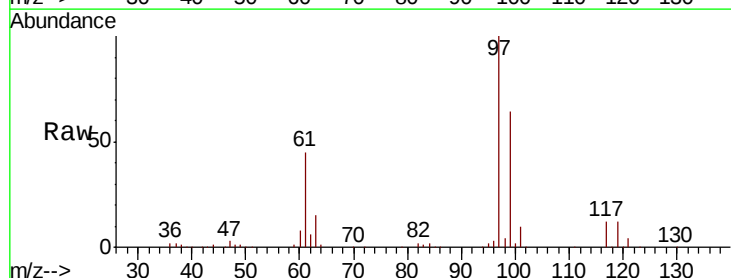
Tgt Ion: 97 Resp: 283498

Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.2

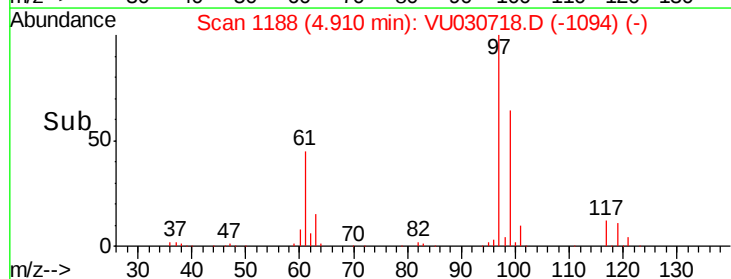
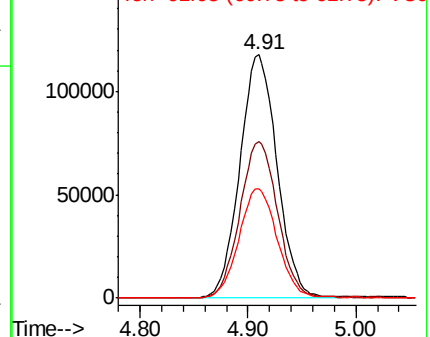
61 46.4 37.1 55.7

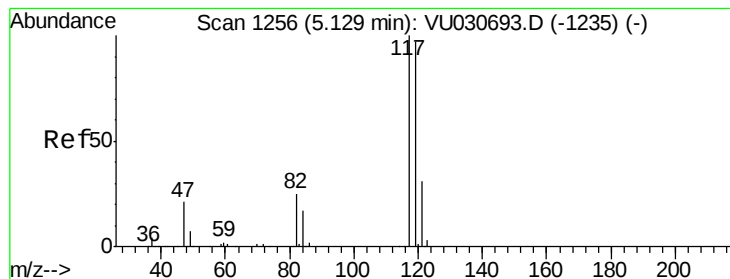


Abundance Ion 97.00 (96.70 to 97.70): VU030718.D (-1094) (-)

Ion 99.00 (98.70 to 99.70): VU030718.D (-1094) (-)

Ion 61.05 (60.75 to 61.75): VU030718.D (-1094) (-)





#31

Carbon tetrachloride

Concen: 47.495 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

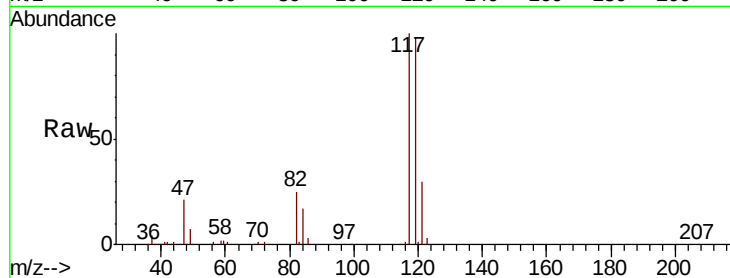
VSTD05049

Tot Ion:117 Resp: 239098

Ion Ratio Lower Upper

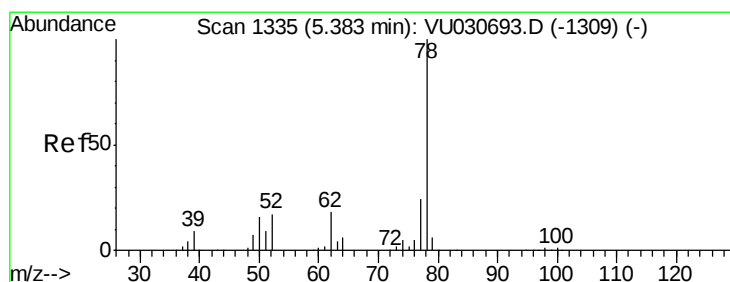
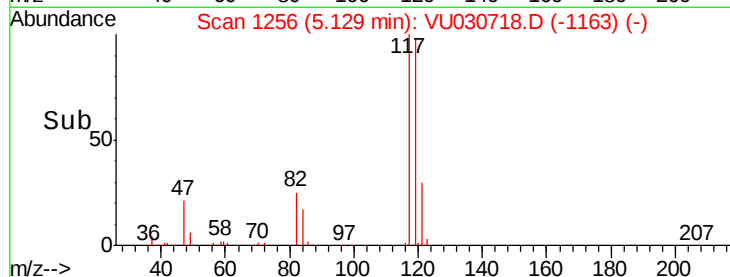
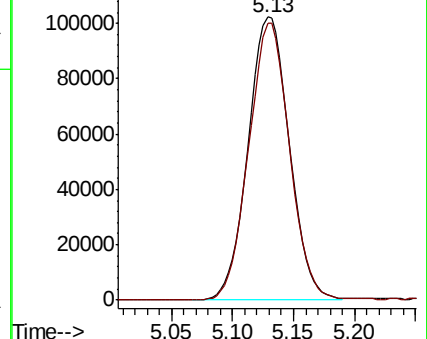
117 100

119 97.0 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.540 ug/L

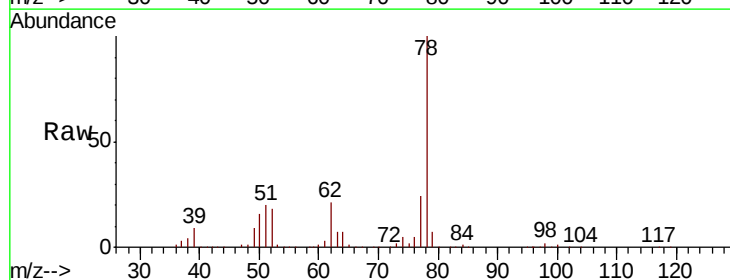
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

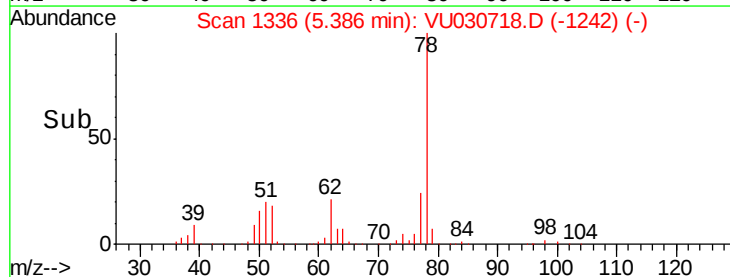
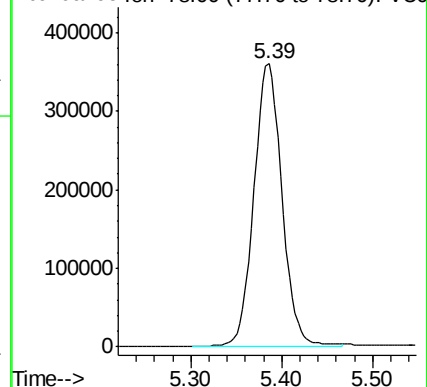
Lab File: VU030718.D

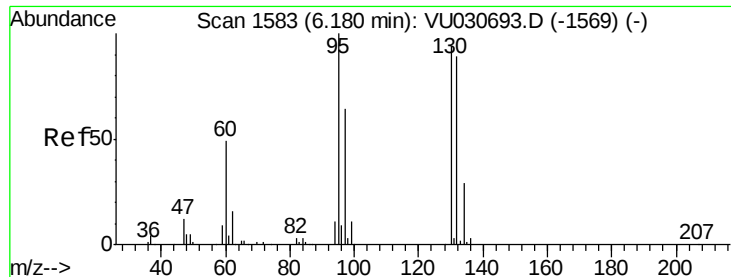
Acq: 05 Apr 2019 04:57

Tgt Ion: 78 Resp: 777117



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 48.919 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

Tot Ion: 95 Resp: 188209

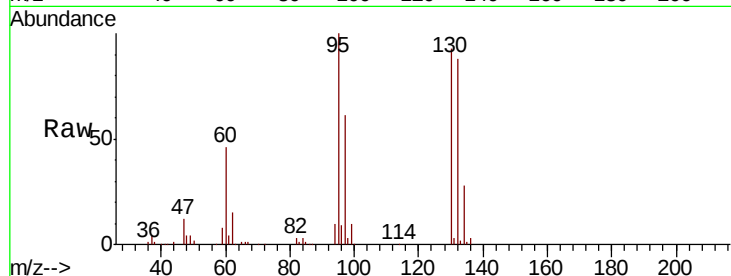
Ion Ratio Lower Upper

95 100

97 61.1 44.5 82.7

132 88.3 61.5 114.1

130 93.4 64.9 120.5

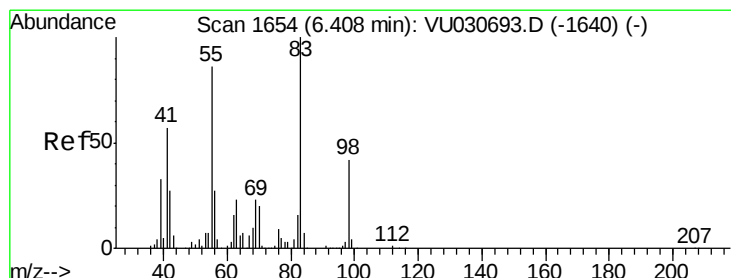
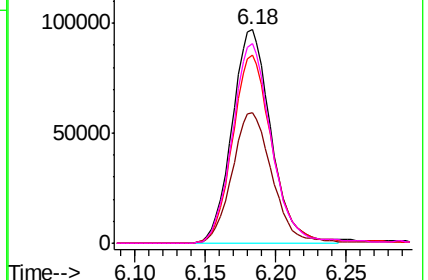
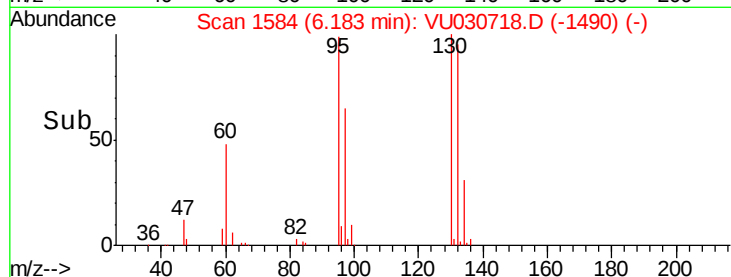


Abundance Ion 95.00 (94.70 to 95.70): VU030718.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU030718.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU030718.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU030718.D (-1569) (-)



#35

Methylcyclohexane

Concen: 46.640 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

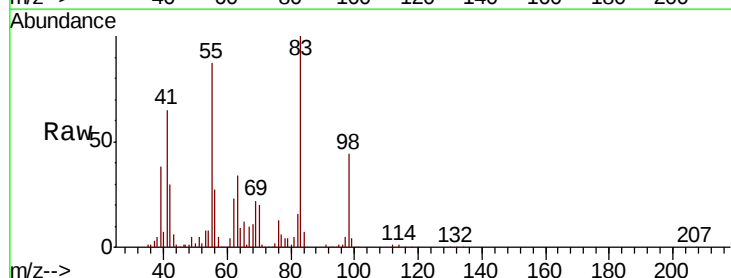
Tgt Ion: 83 Resp: 276926

Ion Ratio Lower Upper

83 100

55 88.0 71.6 107.4

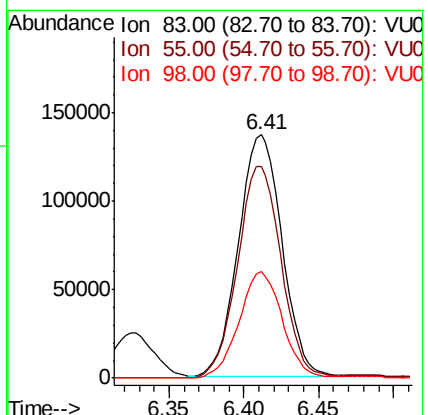
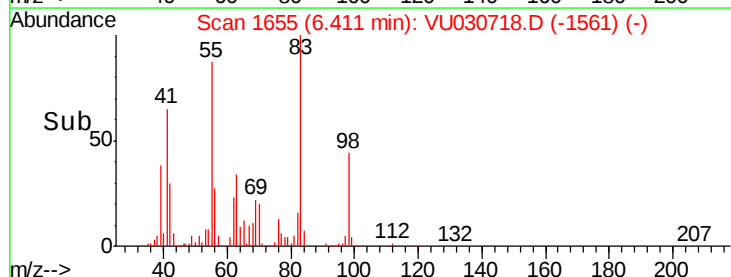
98 43.4 35.4 53.0

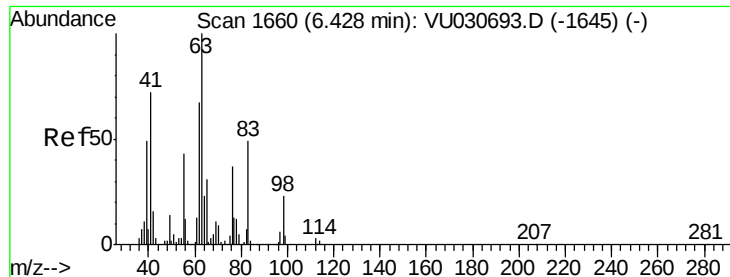


Abundance Ion 83.00 (82.70 to 83.70): VU030718.D (-1561) (-)

Ion 55.00 (54.70 to 55.70): VU030718.D (-1561) (-)

Ion 98.00 (97.70 to 98.70): VU030718.D (-1561) (-)





#37

1,2-Dichloropropane

Concen: 48.903 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

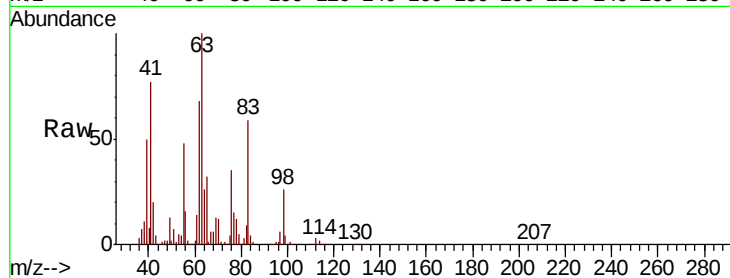
VSTD05049

Tot Ion: 63 Resp: 217219

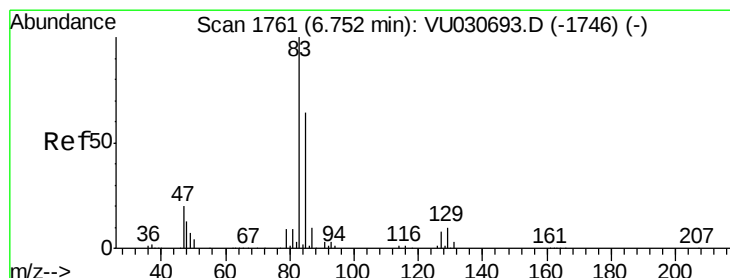
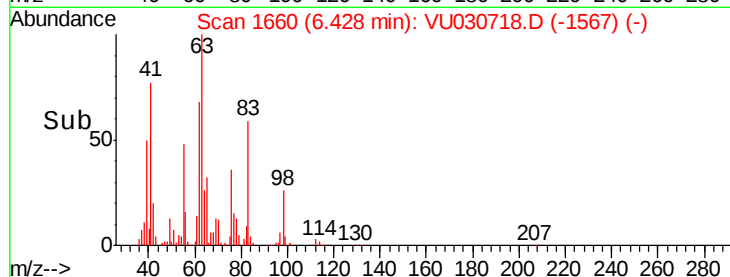
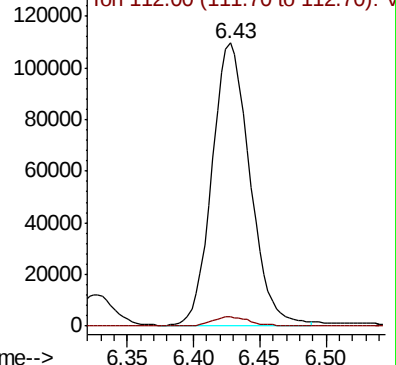
Ion Ratio Lower Upper

63 100

112 3.3 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VU030693.D (-1645) (-)



#38

Bromodichloromethane

Concen: 48.457 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

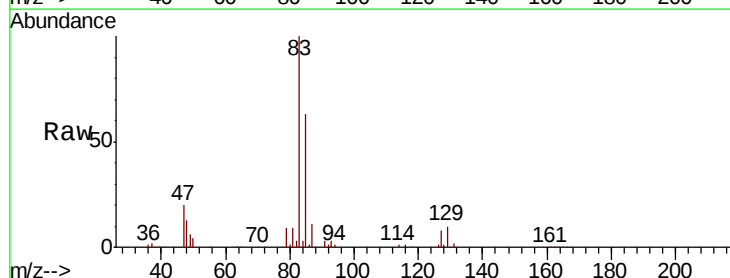
Tgt Ion: 83 Resp: 259658

Ion Ratio Lower Upper

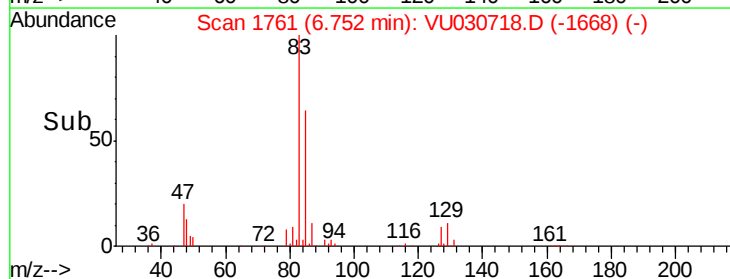
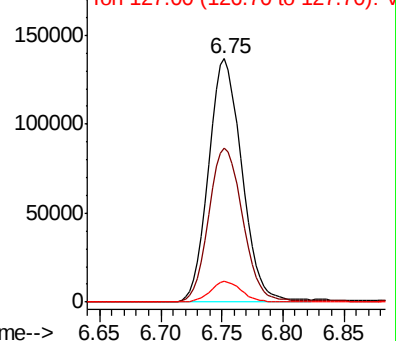
83 100

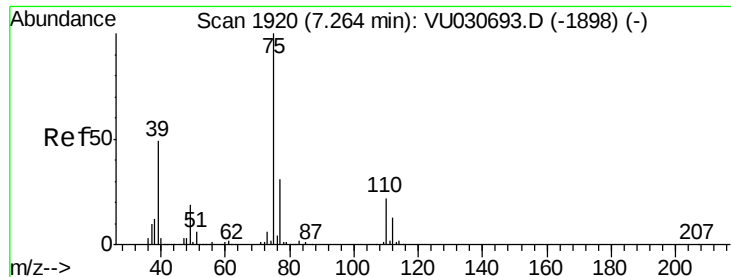
85 63.1 46.5 86.3

127 8.4 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VU030693.D (-1746) (-)



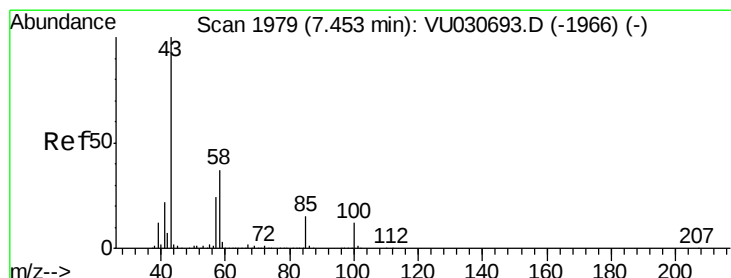
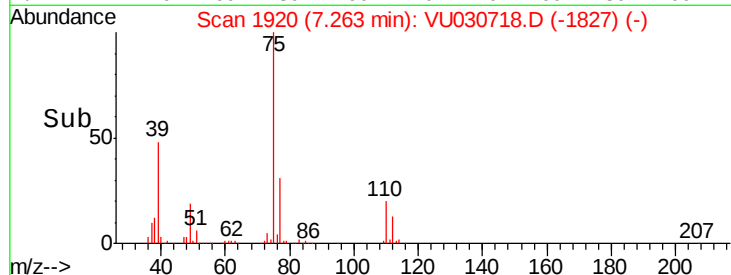
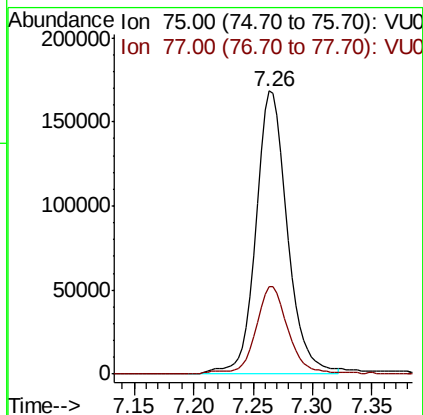
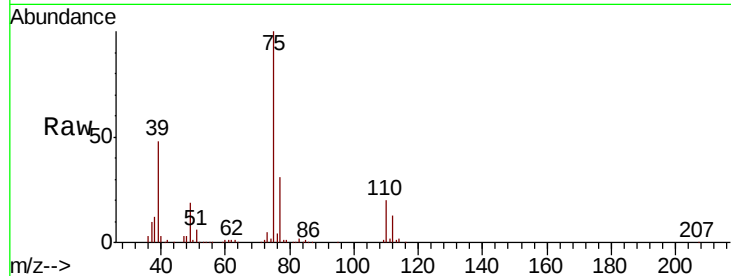


#39

cis-1,3-Dichloropropene
 Concen: 48.948 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU030718.D
 Acq: 05 Apr 2019 04:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

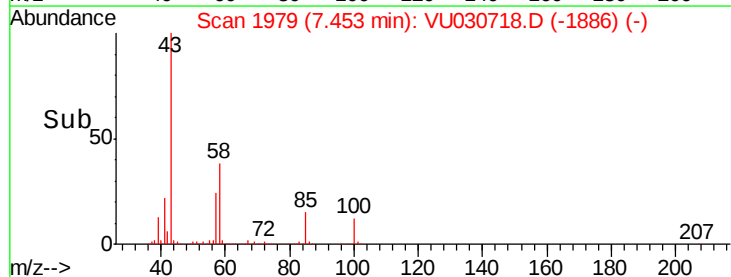
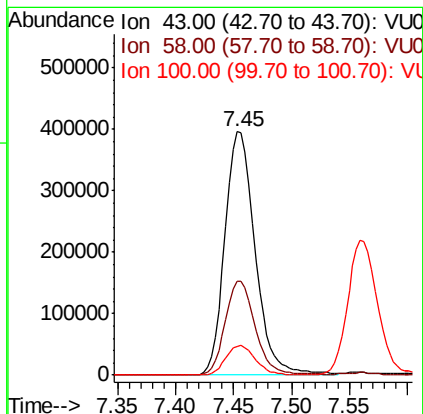
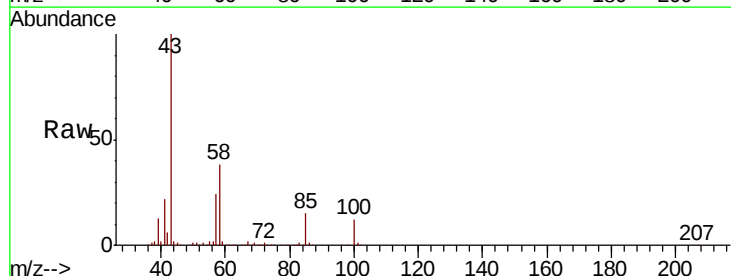
Tot Ion: 75 Resp: 309463
 Ion Ratio Lower Upper
 75 100
 77 31.0 23.1 42.9

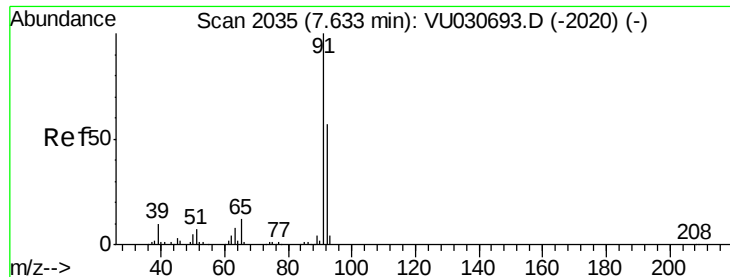


#40

4-Methyl-2-pentanone
 Concen: 100.441 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU030718.D
 Acq: 05 Apr 2019 04:57

Tgt Ion: 43 Resp: 717429
 Ion Ratio Lower Upper
 43 100
 58 38.2 29.7 44.5
 100 12.0 9.8 14.6





#42

Toluene

Concen: 50.219 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

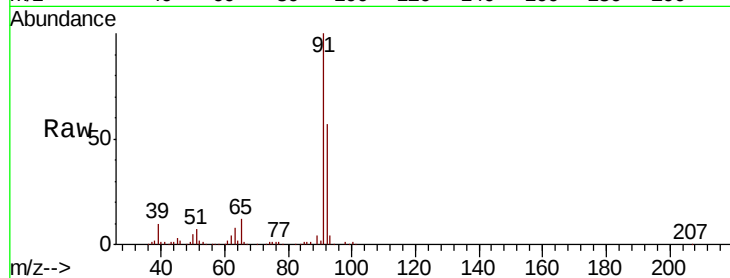
VSTD05049

Tot Ion: 91 Resp: 804120

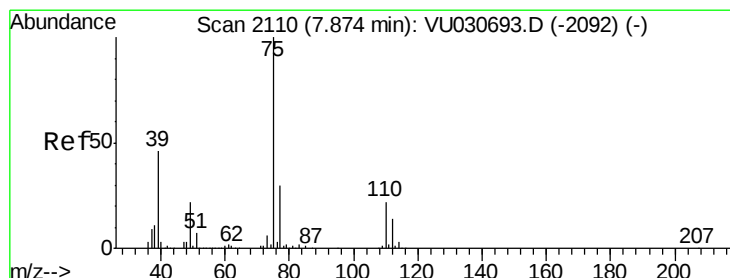
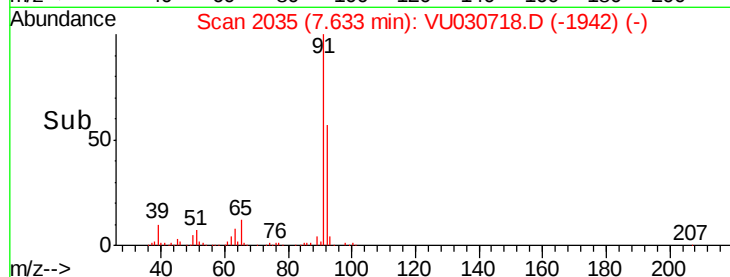
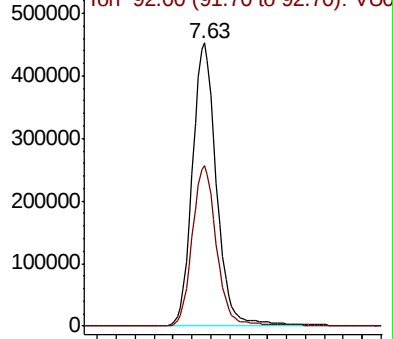
Ion Ratio Lower Upper

91 100

92 56.9 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU030718.D (-1942) (-)



#44

trans-1,3-Dichloropropene

Concen: 48.823 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU030718.D

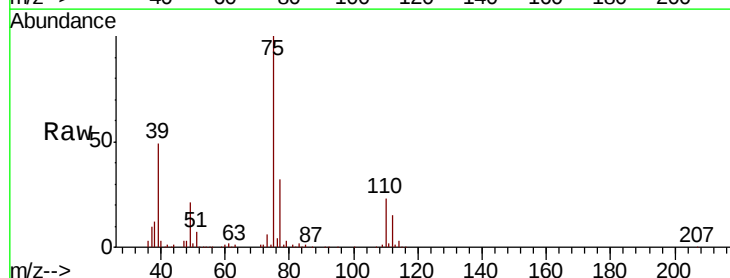
Acq: 05 Apr 2019 04:57

Tgt Ion: 75 Resp: 272020

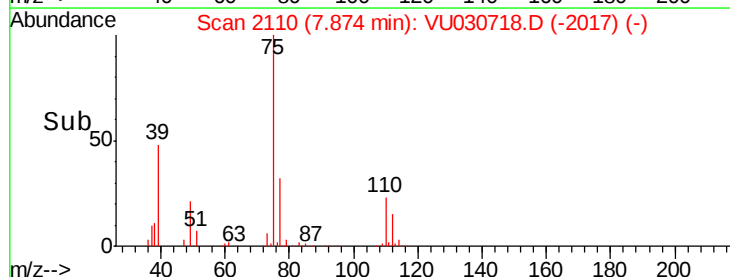
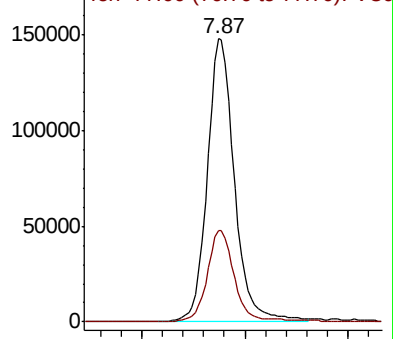
Ion Ratio Lower Upper

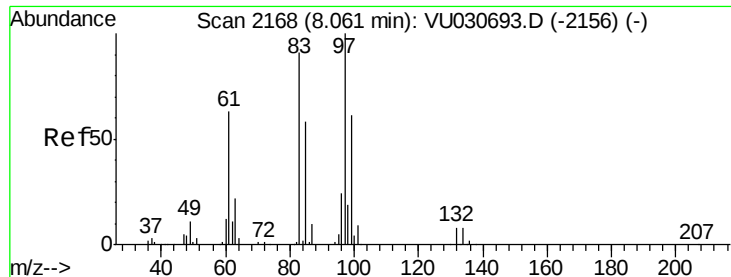
75 100

77 32.4 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU030718.D (-2017) (-)

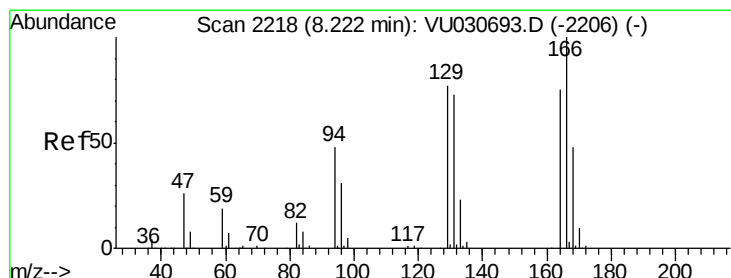
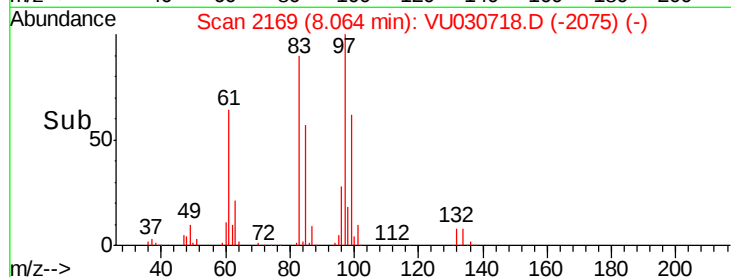
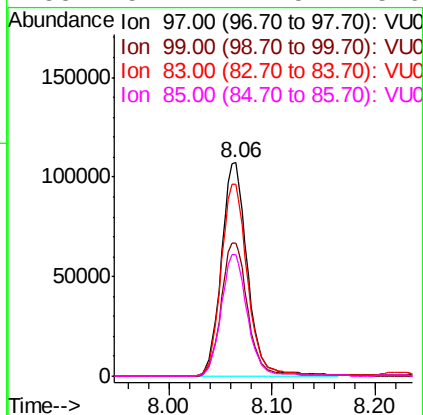
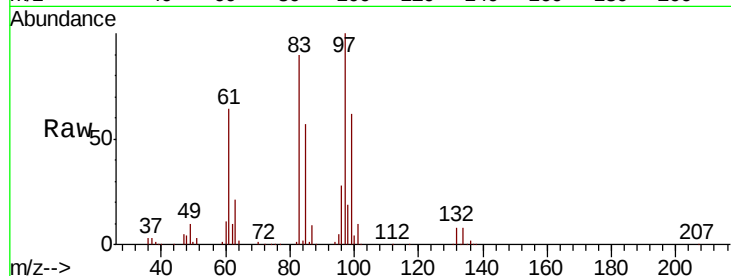




#45
 1,1,2-Trichloroethane
 Concen: 50.246 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030718.D
 Acq: 05 Apr 2019 04:57

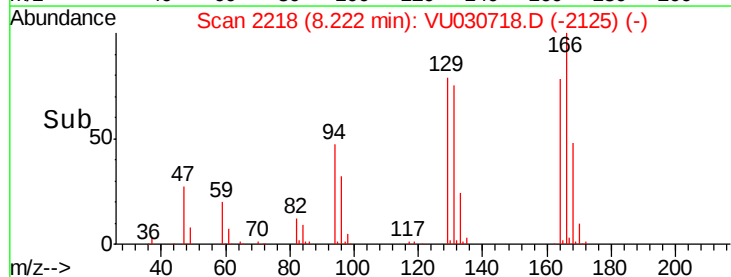
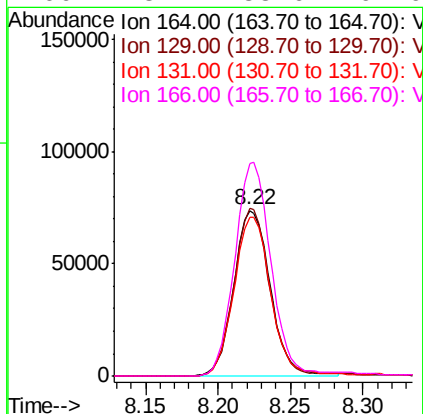
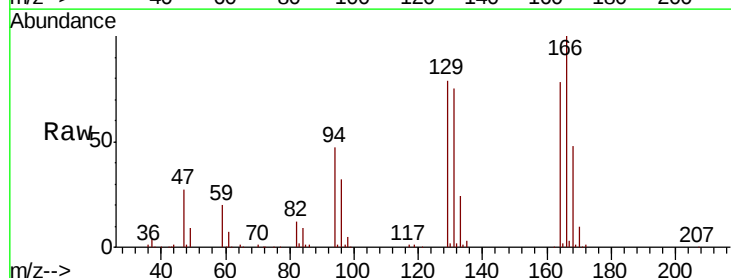
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

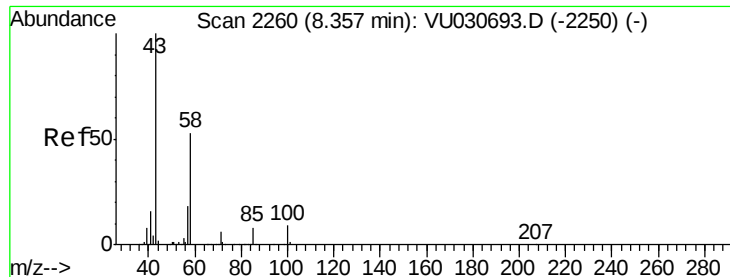
Tot Ion:	97	Resp:	189282
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.0	81.8
83	90.0	65.3	121.3
85	57.2	42.5	78.9



#46
 Tetrachloroethene
 Concen: 46.287 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU030718.D
 Acq: 05 Apr 2019 04:57

Tgt Ion:	164	Resp:	129474
Ion	Ratio	Lower	Upper
164	100		
129	101.2	67.4	125.2
131	95.6	65.9	122.5
166	128.4	88.6	164.6

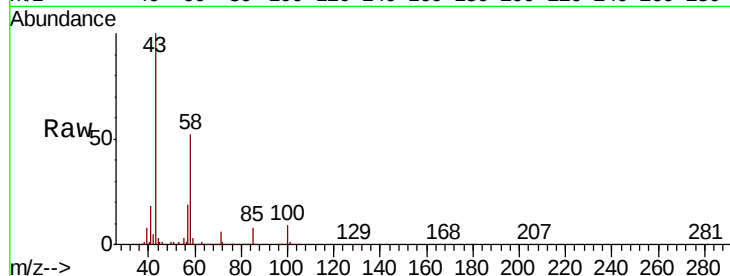




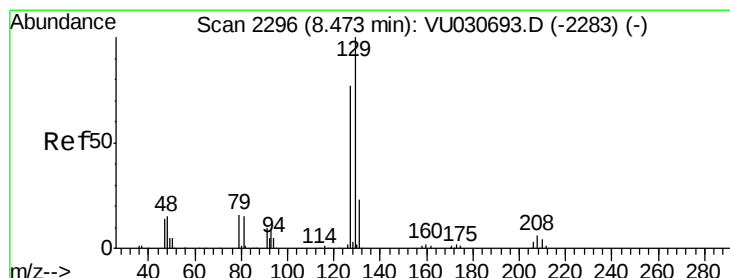
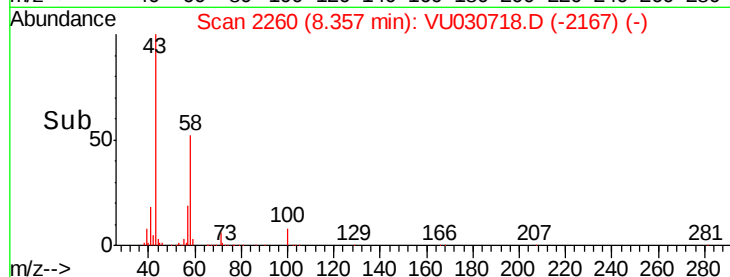
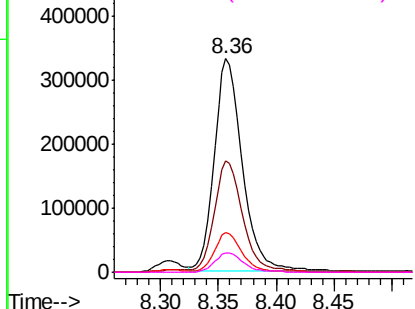
#48
2-Hexanone
Concen: 100.541 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU030718.D
Acq: 05 Apr 2019 04:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

Tot Ion:	43	Resp:	560287
Ion	Ratio	Lower	Upper
43	100		
58	52.7	41.9	62.9
57	19.0	14.3	21.5
100	9.2	7.1	10.7

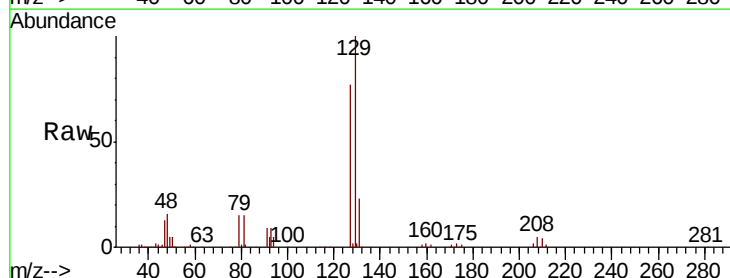


Abundance Ion 43.00 (42.70 to 43.70): VU030718.D (-2167) (-)
Ion 58.00 (57.70 to 58.70): VU030718.D (-2167) (-)
Ion 57.00 (56.70 to 57.70): VU030718.D (-2167) (-)
Ion 100.00 (99.70 to 100.70): VU030718.D (-2167) (-)

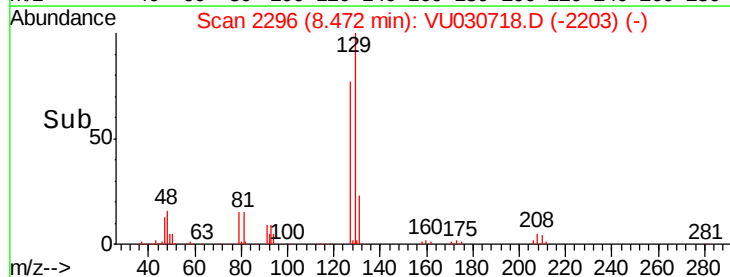
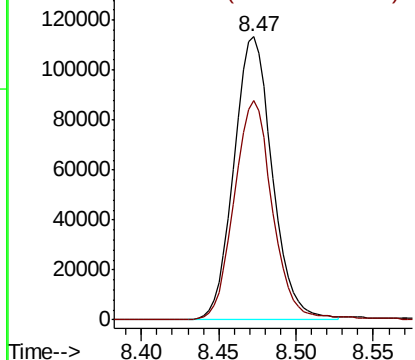


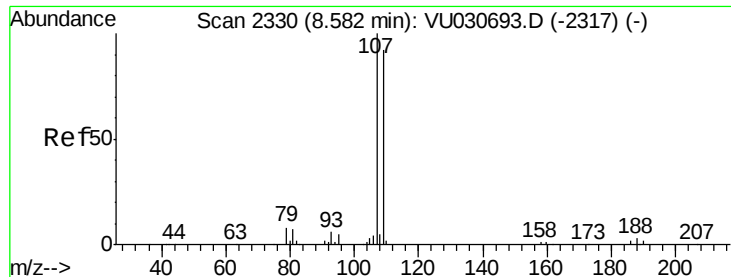
#49
Dibromochloromethane
Concen: 49.028 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030718.D
Acq: 05 Apr 2019 04:57

Tgt Ion:	129	Resp:	195981
Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.5	101.3



Abundance Ion 129.00 (128.70 to 129.70): VU030718.D (-2203) (-)
Ion 127.00 (126.70 to 127.70): VU030718.D (-2203) (-)





#50

1,2-Dibromoethane

Concen: 49.637 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

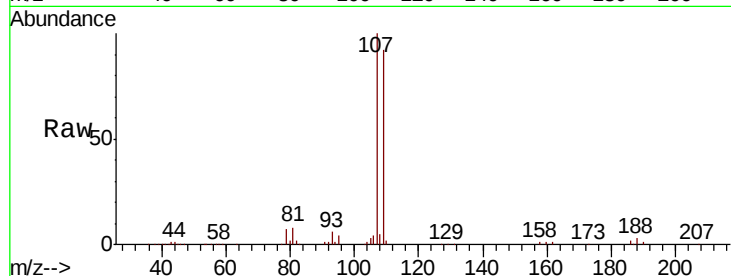
Tot Ion:107 Resp: 202338

Ion Ratio Lower Upper

107 100

109 91.6 66.4 123.2

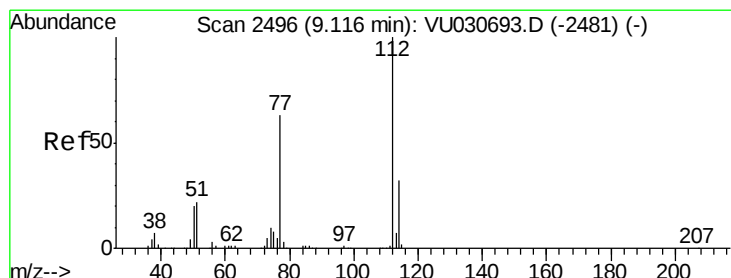
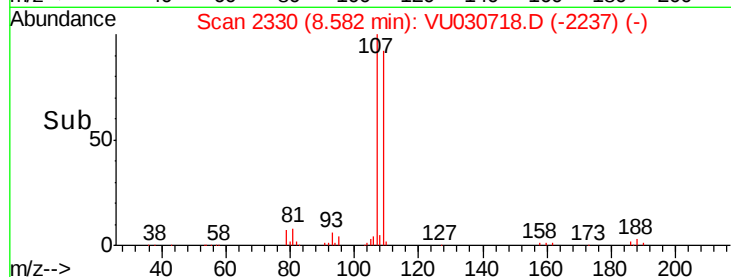
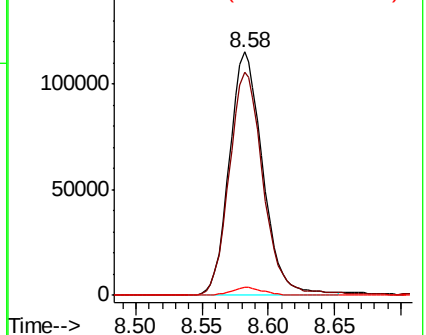
188 3.2 2.6 4.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 49.281 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

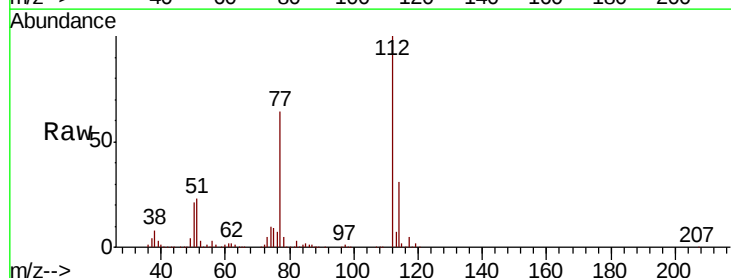
Tgt Ion:112 Resp: 483977

Ion Ratio Lower Upper

112 100

114 31.3 22.2 41.2

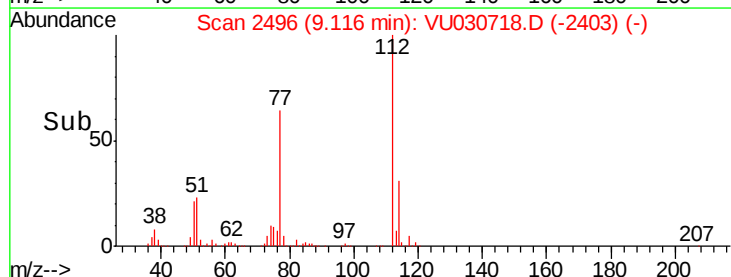
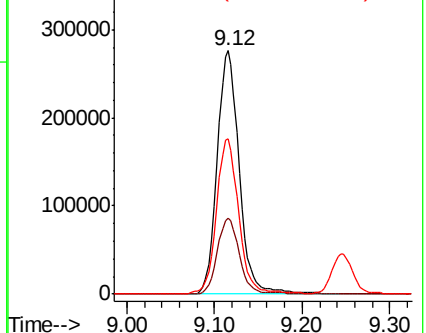
77 63.6 51.7 77.5

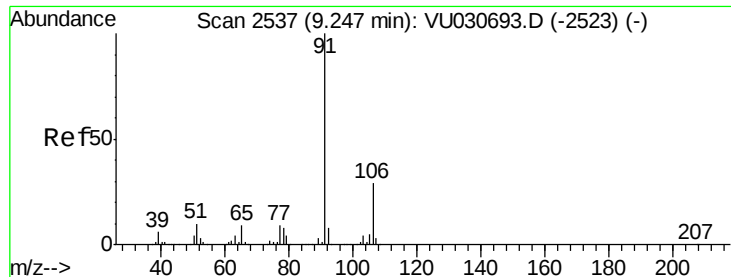


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 49.474 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

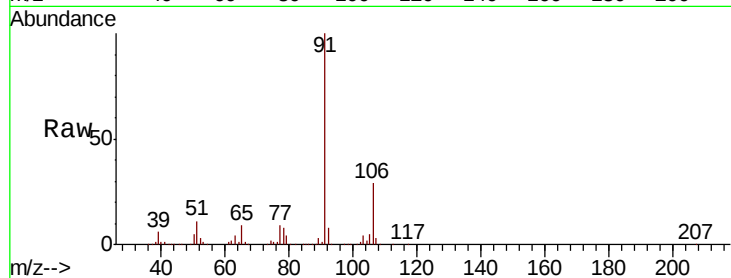
VSTD05049

Tot Ion: 91 Resp: 863505

Ion Ratio Lower Upper

91 100

106 29.2 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU030718.D (-2444) (-)

Ion 106.00 (105.70 to 106.70): VU030718.D (-2444) (-)

600000

500000

400000

300000

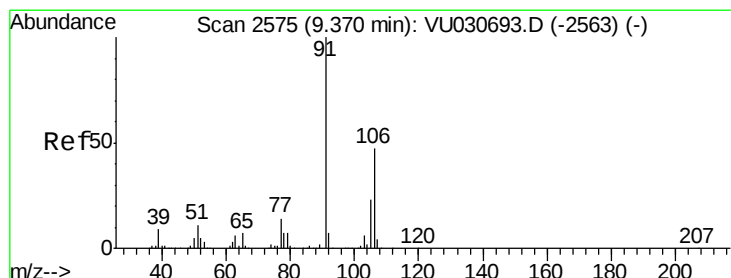
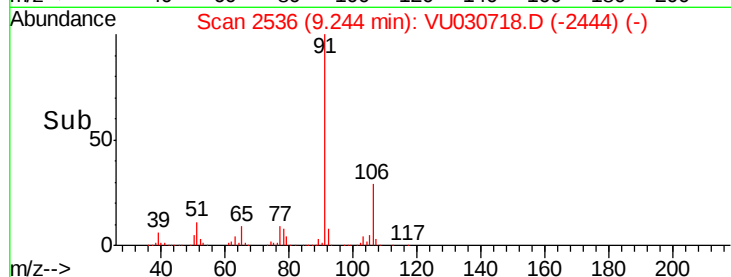
200000

100000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 50.107 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030718.D

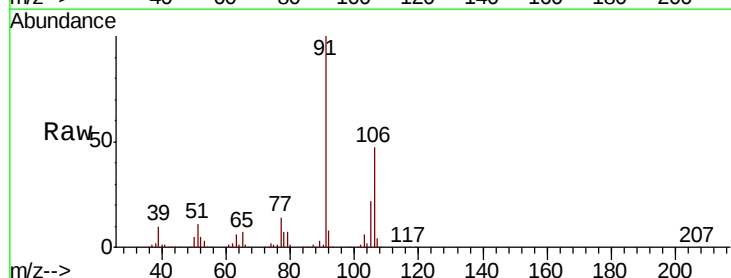
Acq: 05 Apr 2019 04:57

Tgt Ion: 106 Resp: 305014

Ion Ratio Lower Upper

106 100

91 215.0 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): VU030718.D (-2482) (-)

Ion 91.00 (90.70 to 91.70): VU030718.D (-2482) (-)

400000

300000

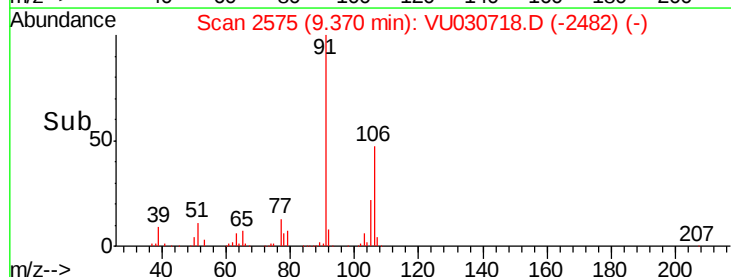
200000

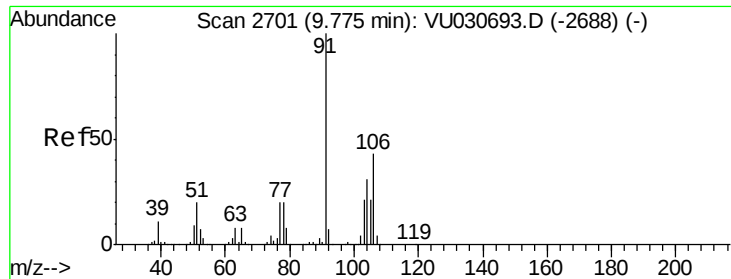
100000

0

9.30 9.35 9.40 9.45 9.50

Time-->





#54

o-xylene

Concen: 50.417 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

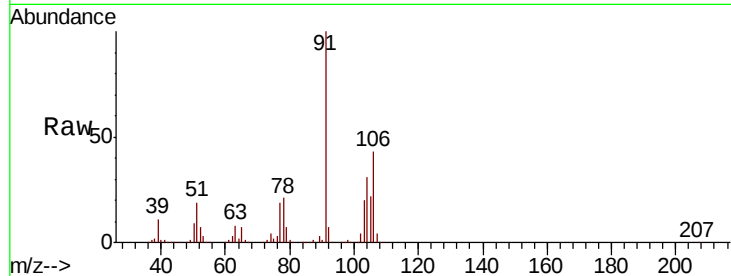
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

Tot Ion:106 Resp: 305276

Ion Ratio Lower Upper

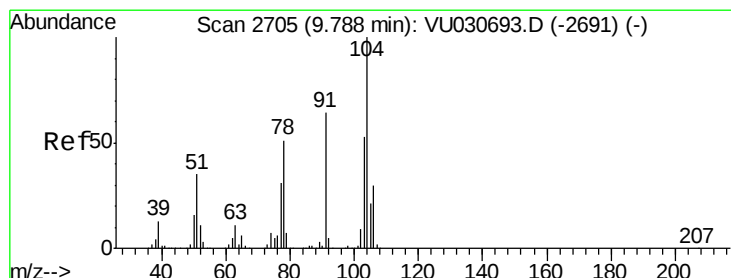
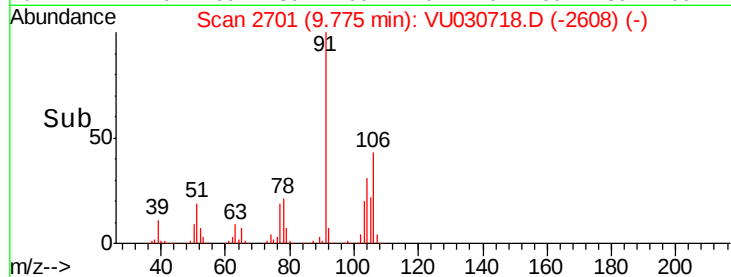
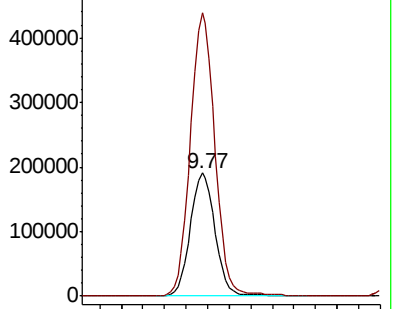
106 100

91 230.5 156.7 290.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.650 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU030718.D

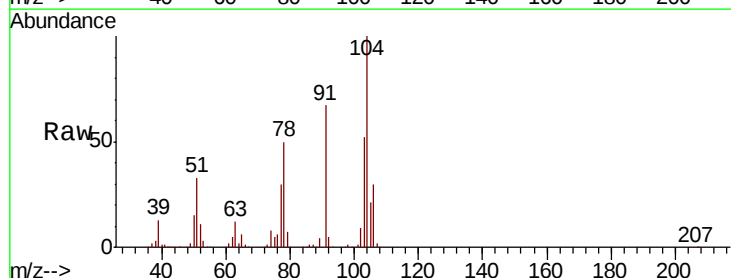
Acq: 05 Apr 2019 04:57

Tgt Ion:104 Resp: 536432

Ion Ratio Lower Upper

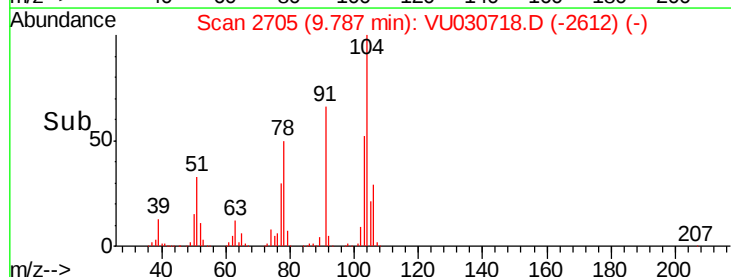
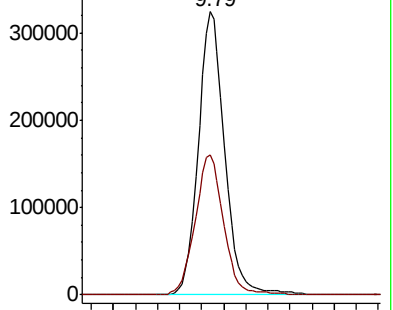
104 100

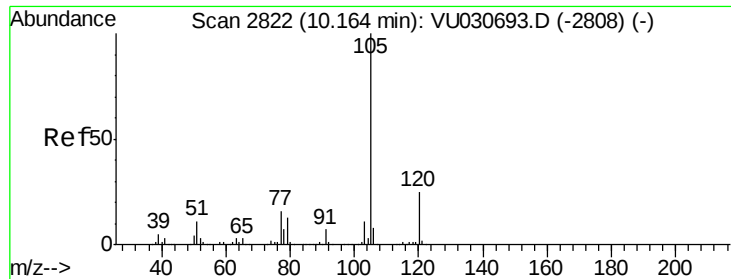
78 49.5 35.1 65.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.344 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

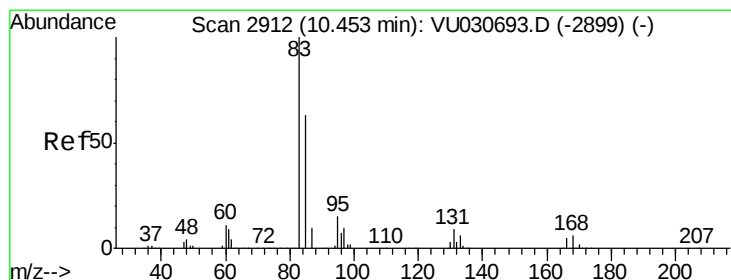
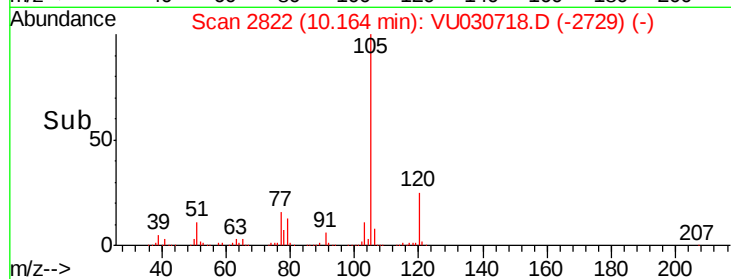
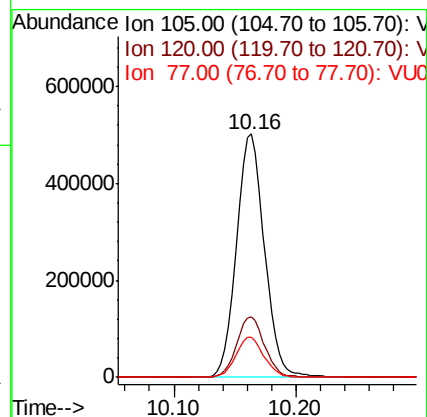
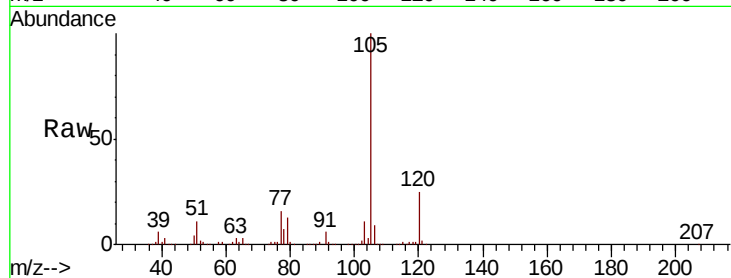
Tot Ion:105 Resp: 802573

Ion Ratio Lower Upper

105 100

120 24.8 20.4 30.6

77 16.7 13.4 20.2



#58

1,1,2,2-Tetrachloroethane

Concen: 48.860 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

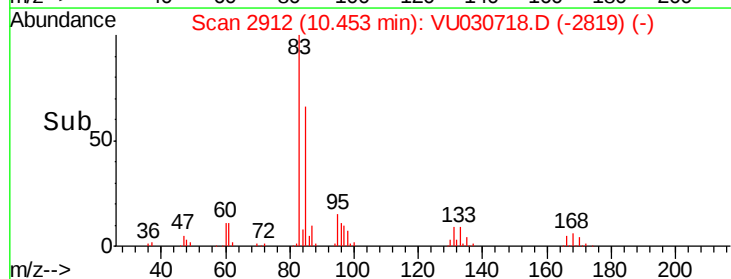
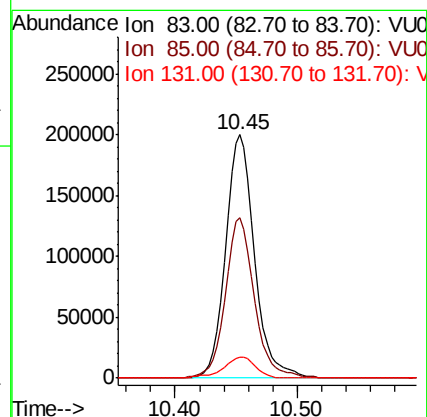
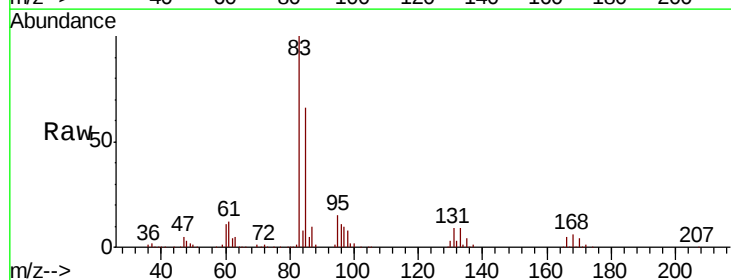
Tgt Ion: 83 Resp: 332924

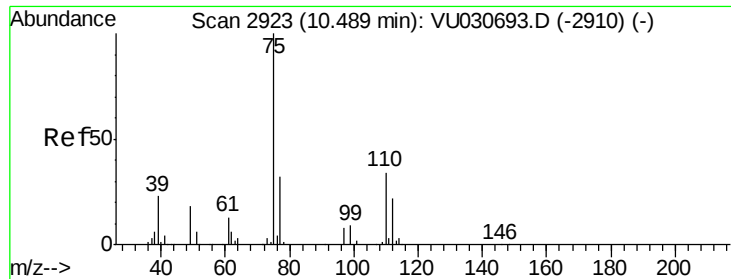
Ion Ratio Lower Upper

83 100

85 65.8 45.3 84.1

131 8.7 6.7 10.1

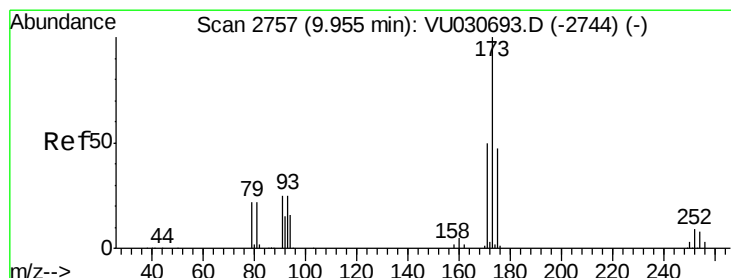
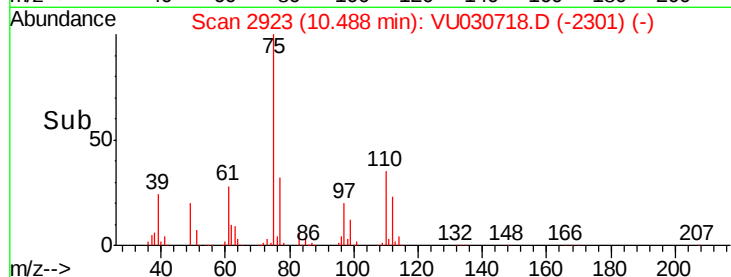
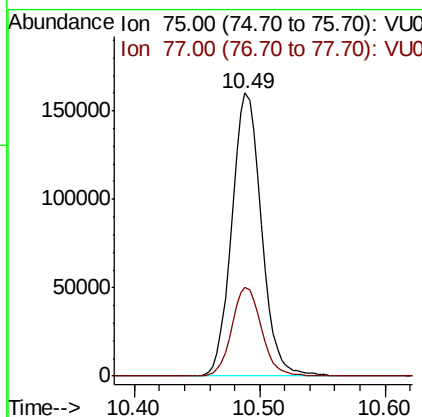
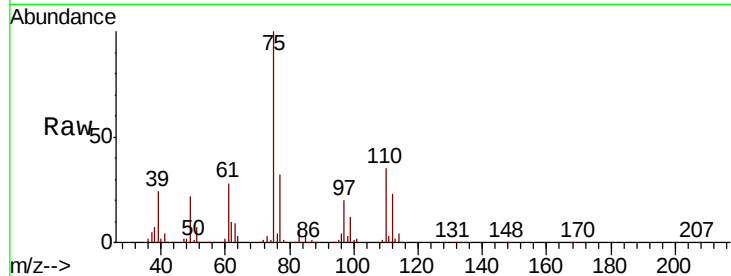




#59
 1,2,3-Trichloropropane
 Concen: 49.499 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU030718.D
 Acq: 05 Apr 2019 04:57

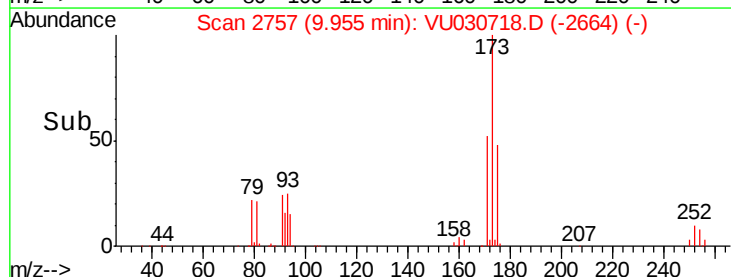
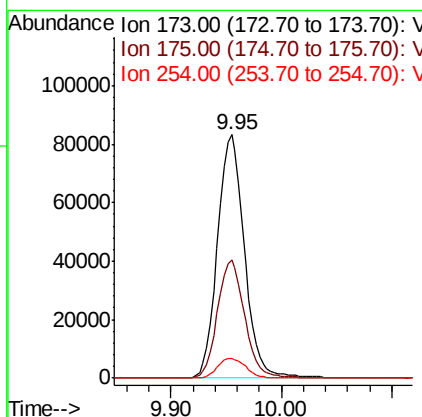
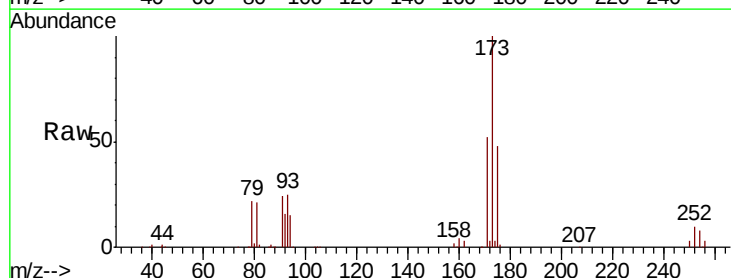
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

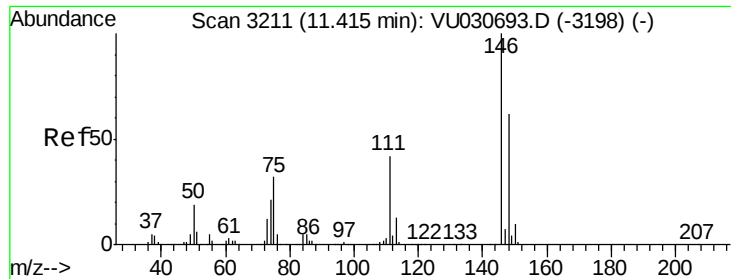
Tot Ion: 75 Resp: 263327
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.1 39.1



#61
 Bromoform
 Concen: 47.889 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU030718.D
 Acq: 05 Apr 2019 04:57

Tgt Ion: 173 Resp: 141174
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.1 58.7
 254 8.5 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 48.173 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

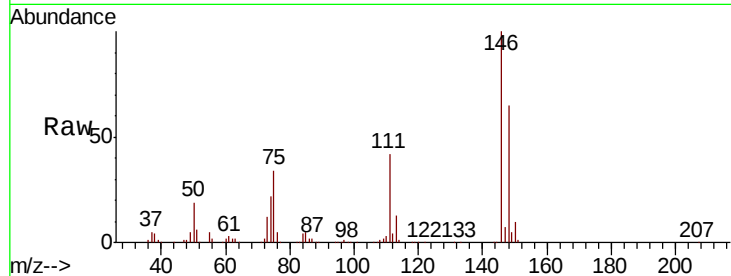
Tot Ion:146 Resp: 339757

Ion Ratio Lower Upper

146 100

111 42.2 30.9 57.5

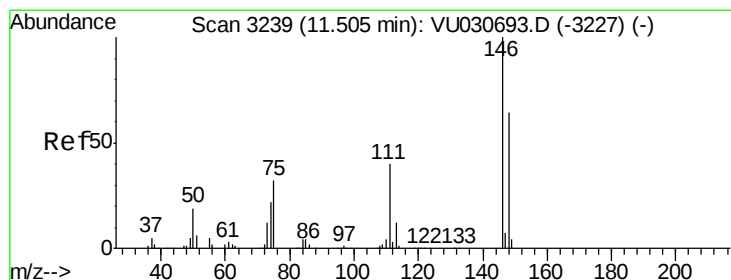
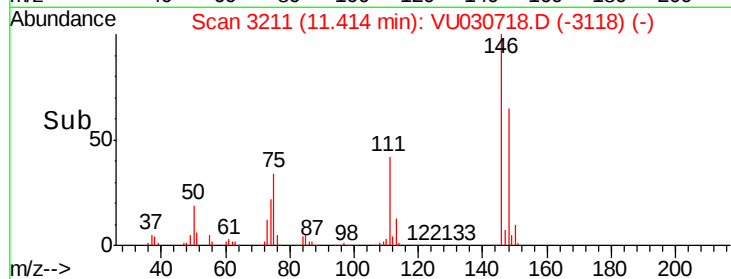
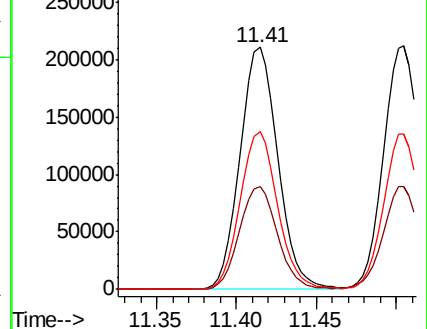
148 65.0 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.288 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

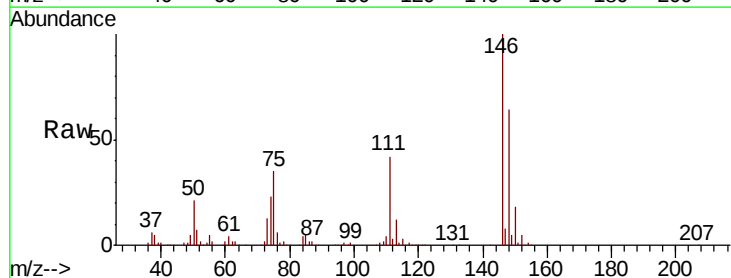
Tgt Ion:146 Resp: 346413

Ion Ratio Lower Upper

146 100

111 42.4 27.7 51.5

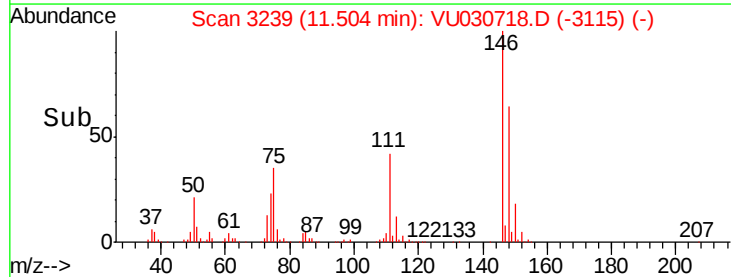
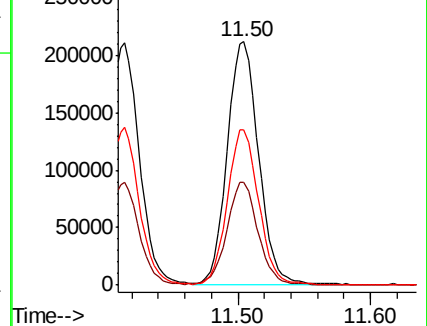
148 64.0 45.4 84.4

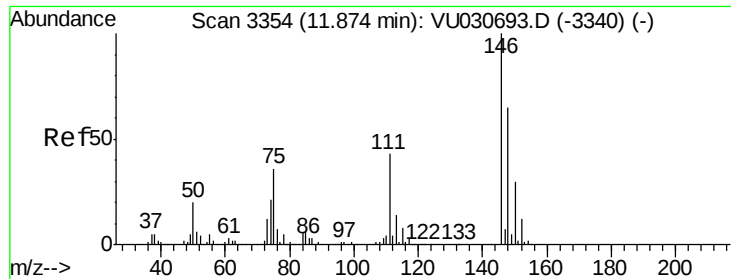


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

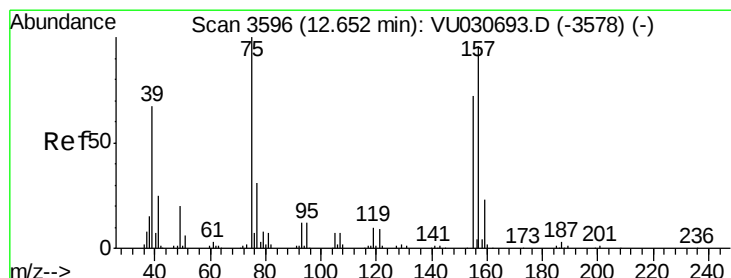
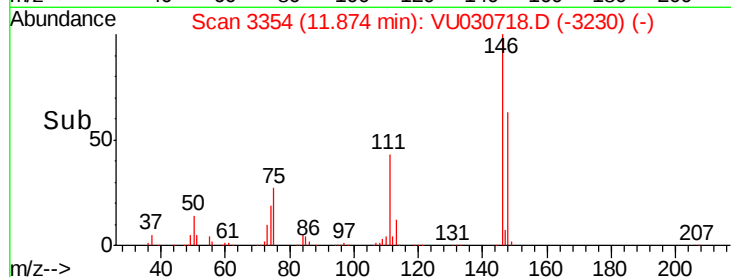
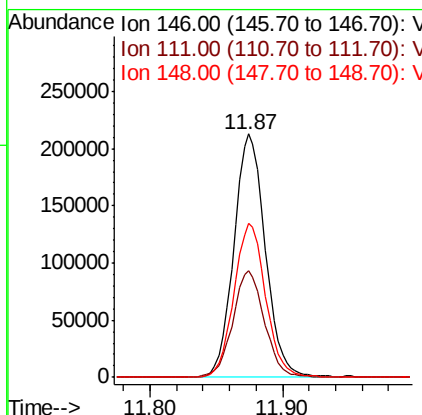
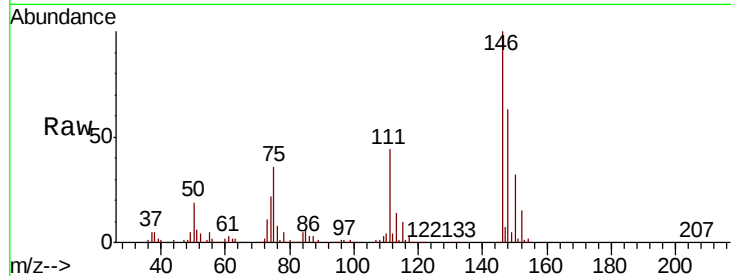




#65
 1,2-Dichlorobenzene
 Concen: 49.422 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030718.D
 Acq: 05 Apr 2019 04:57

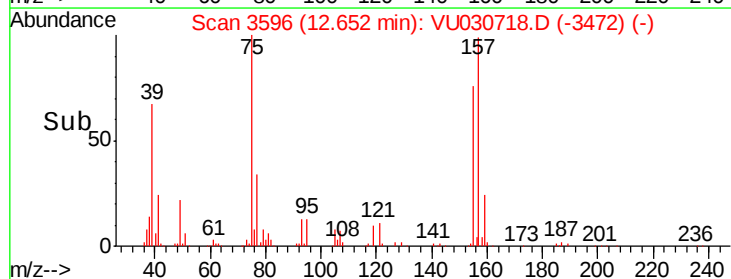
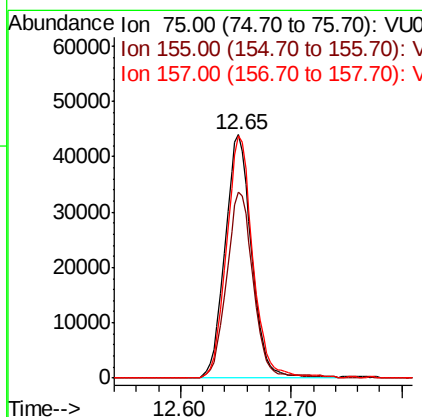
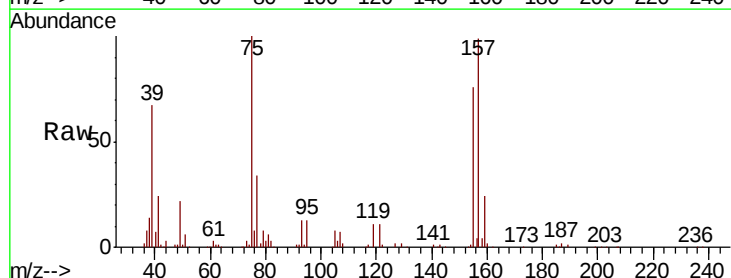
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05049

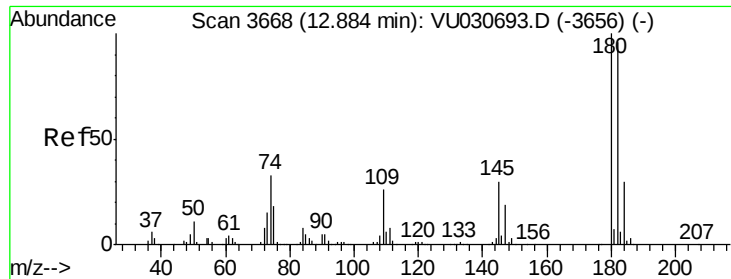
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	34.9	52.3
148	63.0	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.999 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030718.D
 Acq: 05 Apr 2019 04:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	64.1	96.1
157	99.3	80.6	120.8

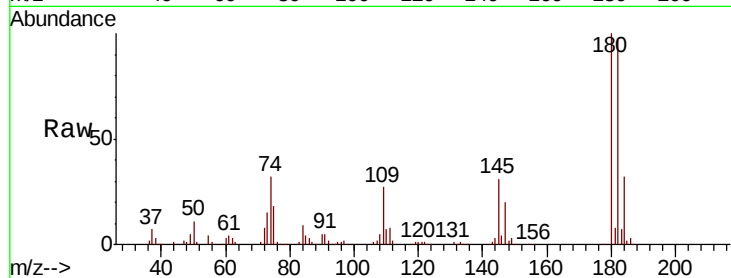




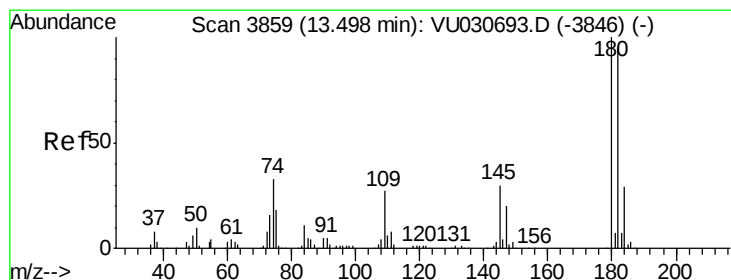
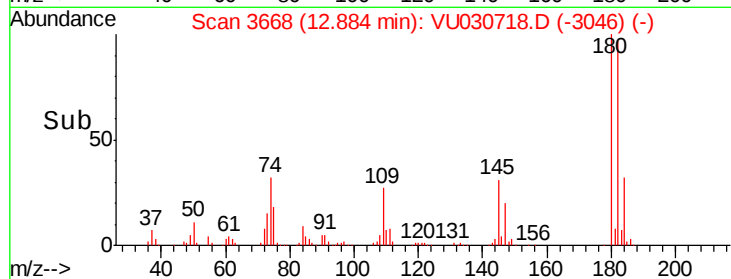
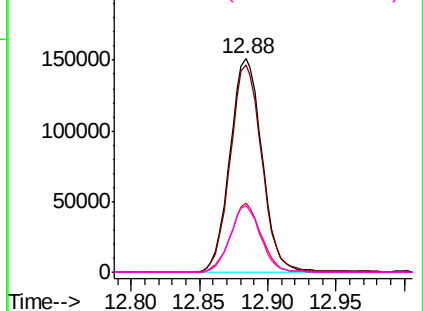
#67
 1,3,5-Trichlorobenzene
 Concen: 47.843 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030718.D
 Acq: 05 Apr 2019 04:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Tot Ion:180	Resp:	246596
Ion Ratio	Lower	Upper
180	100	
182	96.1	78.3 117.5
184	30.6	24.7 37.1
145	29.9	24.2 36.4

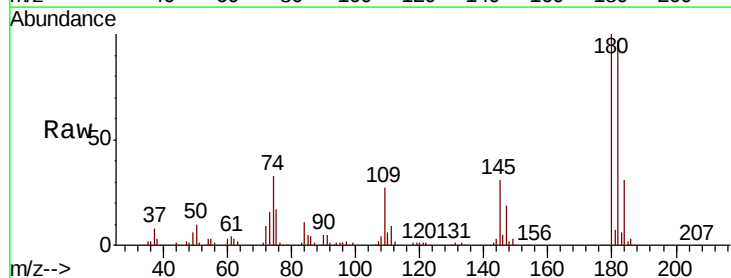


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

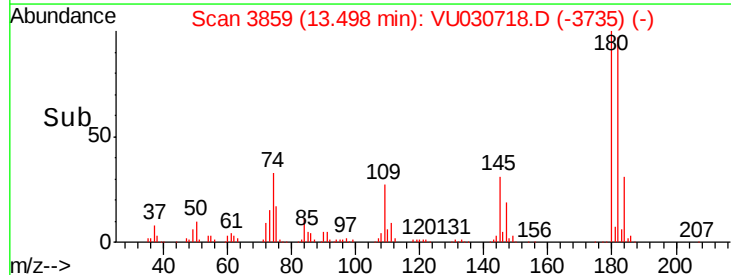
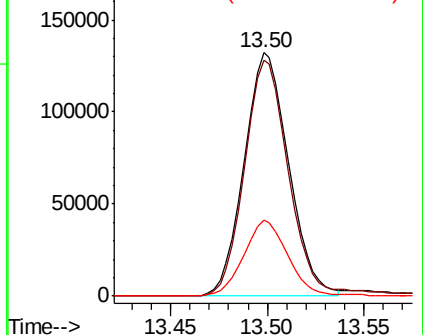


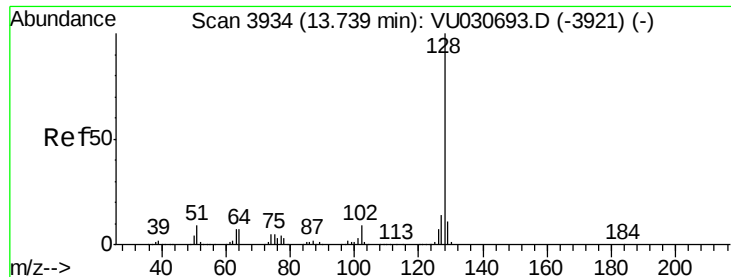
#68
 1,2,4-trichlorobenzene
 Concen: 48.351 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030718.D
 Acq: 05 Apr 2019 04:57

Tgt Ion:180	Resp:	211893
Ion Ratio	Lower	Upper
180	100	
182	97.5	76.7 115.1
145	30.9	24.4 36.6



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: 52.341 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

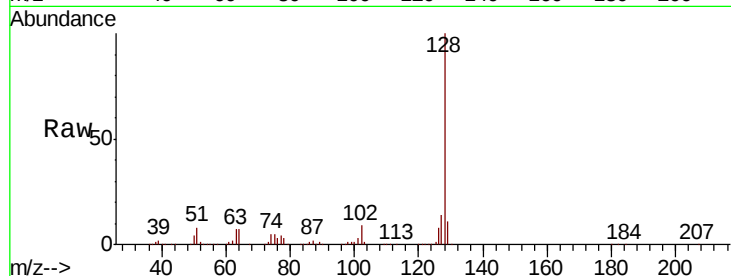
Tot Ion:128 Resp: 743597

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

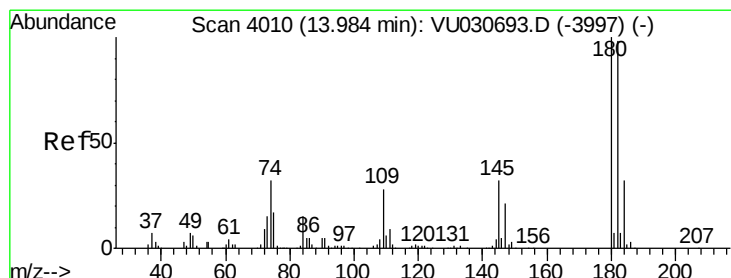
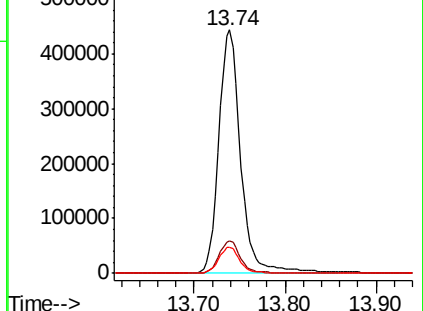
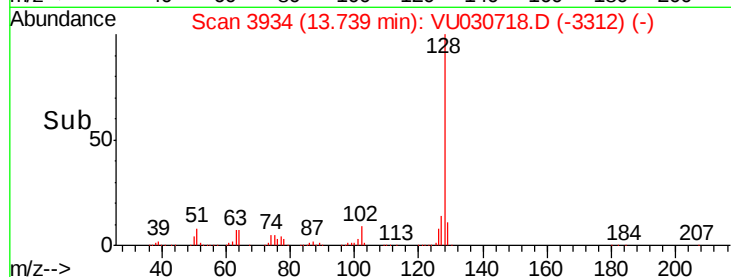
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.458 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030718.D

Acq: 05 Apr 2019 04:57

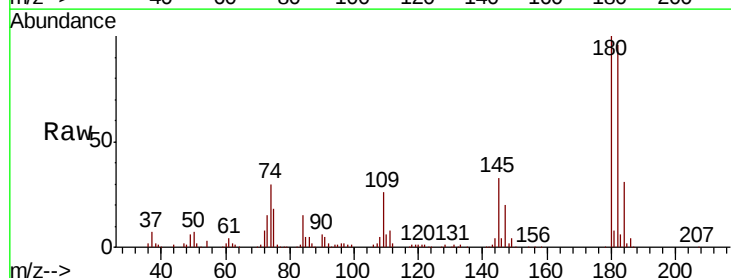
Tgt Ion:180 Resp: 226454

Ion Ratio Lower Upper

180 100

182 96.0 78.1 117.1

145 32.2 26.6 40.0



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

