

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032919\
 Data File : VU030535.D
 Acq On : 29 Mar 2019 10:41
 Operator : JC/SP
 Sample : VSTD02005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Quant Time: Mar 30 00:10:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 30 00:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	216238	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	212702	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106125	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	354973	21.48	ug/L	0.00
7) Chloroethane-d5	1.68	69	280951	21.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	709953	20.99	ug/L	0.00
20) 2-Butanone-d5	4.21	46	946669	222.33	ug/L	-0.01
24) Chloroform-d	4.64	84	606391	21.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	306792	20.63	ug/L	0.00
32) Benzene-d6	5.34	84	1216734	21.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	401632	21.37	ug/L	0.00
41) Toluene-d8	7.56	98	1084885	21.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	156515	22.44	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	761931	251.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	287466	21.36	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	366517	20.64	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	487473	20.236	ug/L 100
3) Chloromethane	1.33	50	549702	19.467	ug/L 99
5) Vinyl chloride	1.40	62	527897	20.403	ug/L 100
6) Bromomethane	1.63	94	257639	20.355	ug/L 99
8) Chloroethane	1.70	64	276511	18.786	ug/L 98
9) Trichlorofluoromethane	1.88	101	586622	20.002	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	325372	19.950	ug/L 98
12) 1,1-Dichloroethene	2.28	96	315505	19.996	ug/L 96
13) Acetone	2.35	43	653743	194.811	ug/L 99
14) Carbon disulfide	2.48	76	1105446	19.978	ug/L 99
15) Methyl Acetate	2.63	43	179687	21.129	ug/L 98
16) Methylene chloride	2.70	84	347640	18.900	ug/L 98
17) Methyl tert-butyl Ether	3.00	73	856690	20.282	ug/L 100
18) trans-1,2-Dichloroethene	2.98	96	334587	20.086	ug/L 98
19) 1,1-Dichloroethane	3.44	63	699333	19.848	ug/L 99
21) 2-Butanone	4.29	43	1120602	212.028	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	362432	20.404	ug/L 96
23) Bromochloromethane	4.55	128	145462	20.499	ug/L 97
25) Chloroform	4.67	83	641612	19.975	ug/L 96
27) 1,2-Dichloroethane	5.40	62	414665	19.895	ug/L 98
29) 1,1,1-Trichloroethane	4.91	97	535506	19.763	ug/L 99
30) Cyclohexane	4.99	56	688558	21.049	ug/L 100
31) Carbon tetrachloride	5.13	117	467116	20.533	ug/L 97
33) Benzene	5.39	78	1458868	20.275	ug/L 100
34) Trichloroethene	6.18	95	364367	20.229	ug/L 98
35) Methylcyclohexane	6.41	83	623503	21.691	ug/L 97
37) 1,2-Dichloropropane	6.43	63	394477	19.922	ug/L 100
38) Bromodichloromethane	6.75	83	459992	19.894	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	572645	21.624	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	2648433	214.406	ug/L 98

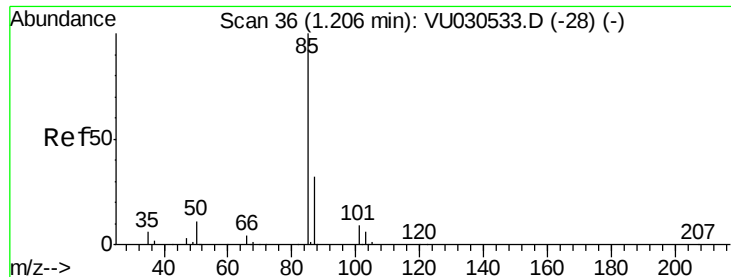
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032919\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1519037	21.051	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	447655	21.840	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	236745	20.051	ug/L	99
47) Tetrachloroethene	8.22	164	257528	20.384	ug/L	98
48) 2-Hexanone	8.36	43	1888389	220.635	ug/L	99
49) Dibromochloromethane	8.48	129	286354	20.281	ug/L	95
50) 1,2-Dibromoethane	8.59	107	231774	21.059	ug/L	98
51) Chlorobenzene	9.12	112	892971	20.068	ug/L	98
52) Ethylbenzene	9.24	91	1667133	21.661	ug/L	100
53) m,p-Xylene	9.37	106	598814	22.274	ug/L	96
54) o-Xylene	9.77	106	583127	22.119	ug/L	99
55) Styrene	9.79	104	1012195	22.757	ug/L	99
56) Isopropylbenzene	10.16	105	1569673	22.288	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	319471	20.352	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	218842	19.779	ug/L	100
61) Bromoform	9.95	173	157894	19.647	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	663324	19.809	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	669213	19.065	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	628170	19.279	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	52998	21.021	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	518037	20.734	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	439872	22.795	ug/L	97
69) Naphthalene	13.74	128	780861	25.199	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	406228	22.590	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 20.236 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

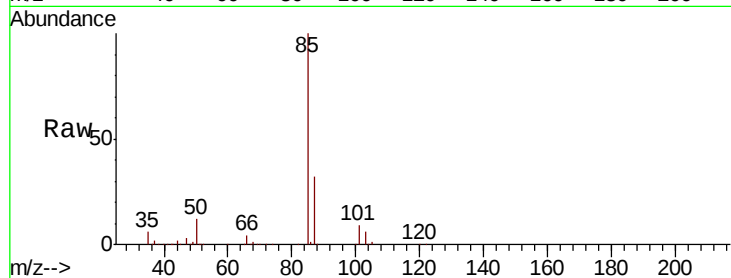
VSTD02005

Tot Ion: 85 Resp: 487473

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU030533.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU030533.D (-28) (-)

1.21

500000

400000

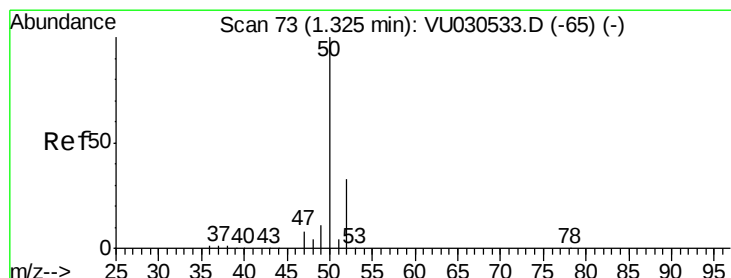
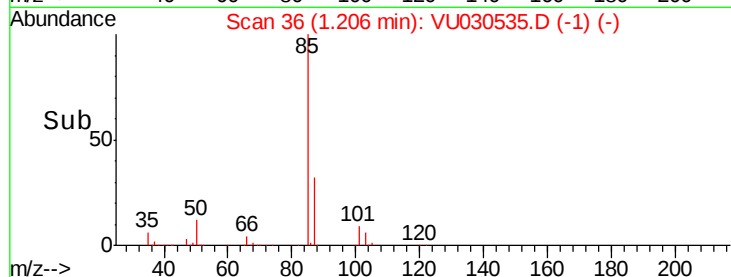
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 19.467 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030535.D

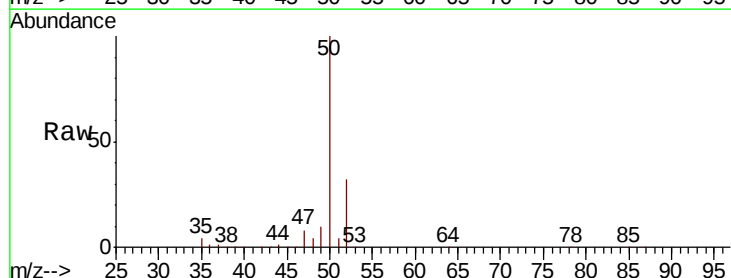
Acq: 29 Mar 2019 10:41

Tgt Ion: 50 Resp: 549702

Ion Ratio Lower Upper

50 100

52 32.2 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU030533.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU030533.D (-65) (-)

1.33

600000

500000

400000

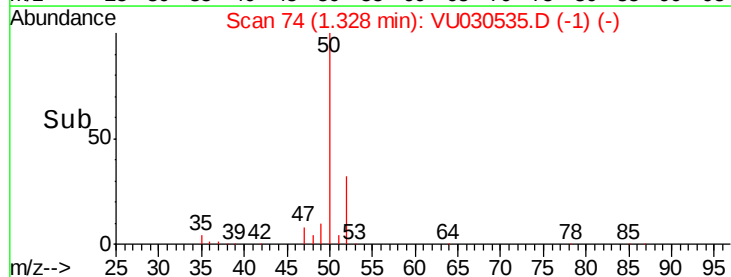
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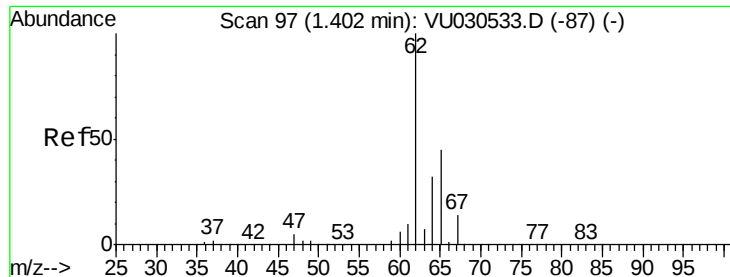
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 20.403 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

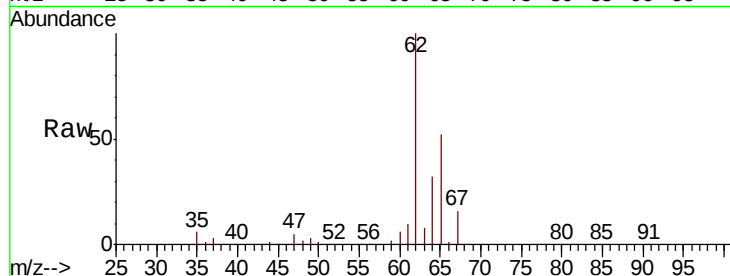
VSTD02005

Tot Ion: 62 Resp: 527897

Ion Ratio Lower Upper

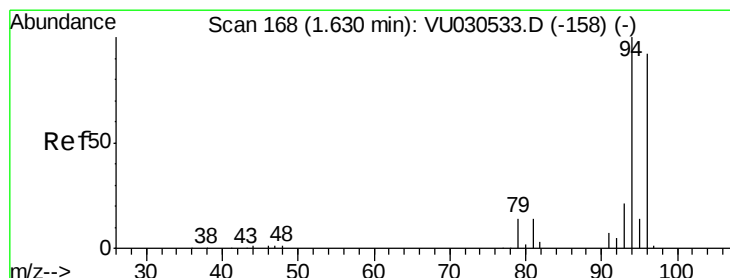
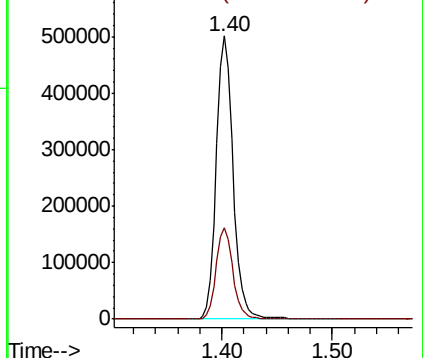
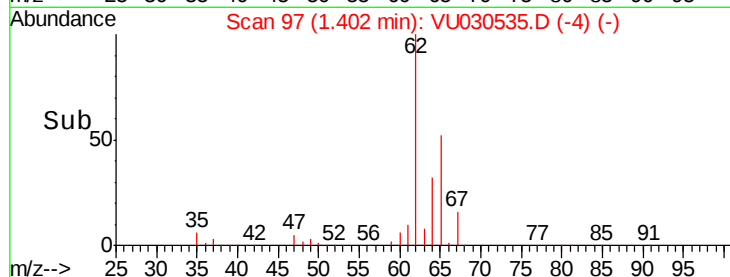
62 100

64 32.2 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU030533.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU030533.D (-87) (-)



#6

Bromomethane

Concen: 20.355 ug/L

RT: 1.63 min Scan# 168

Delta R.T. -0.00 min

Lab File: VU030535.D

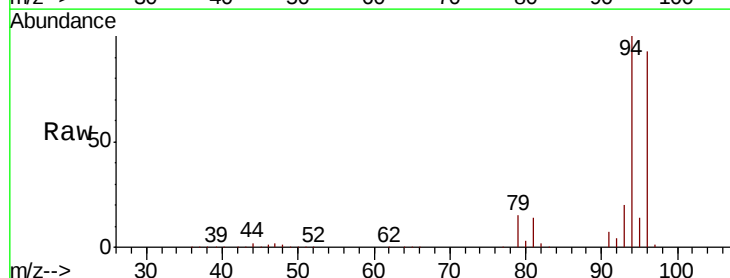
Acq: 29 Mar 2019 10:41

Tgt Ion: 94 Resp: 257639

Ion Ratio Lower Upper

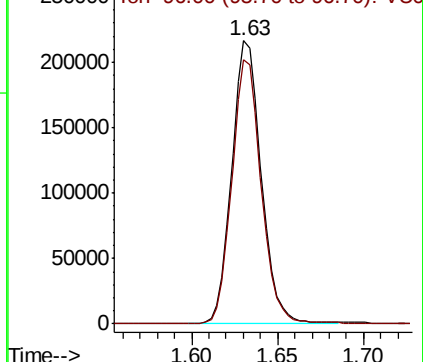
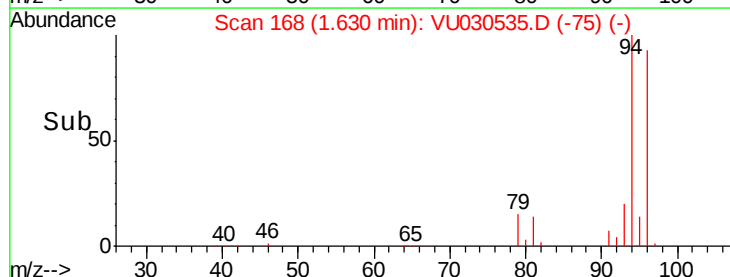
94 100

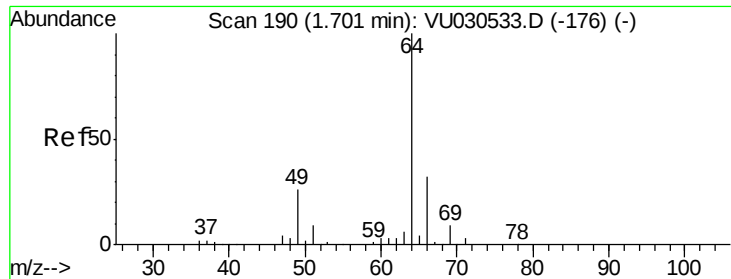
96 93.3 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU030533.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU030533.D (-158) (-)

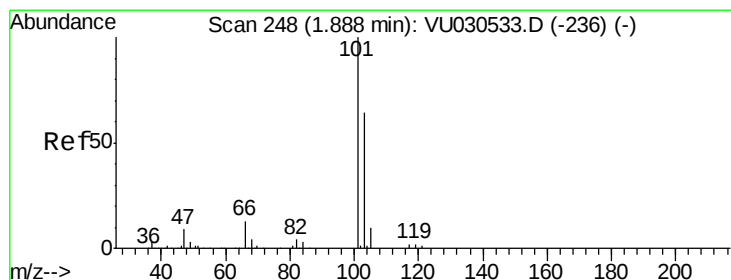
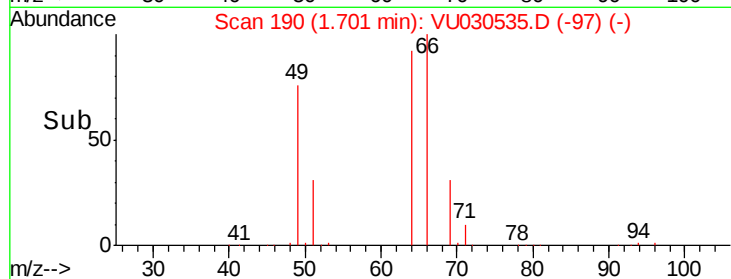
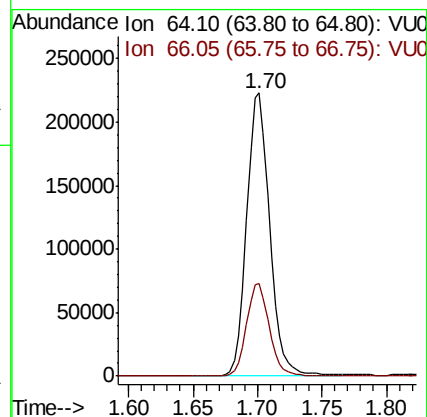
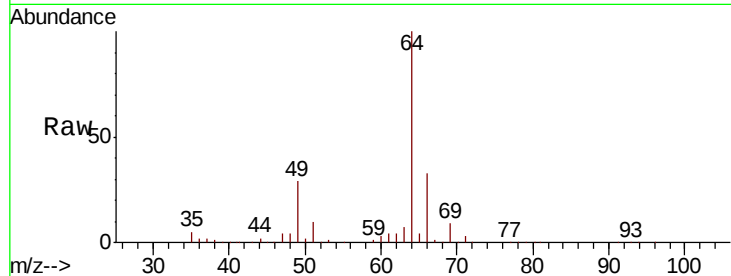




#8
 Chloroethane
 Concen: 18.786 ug/L
 RT: 1.70 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: VU030535.D
 Acq: 29 Mar 2019 10:41

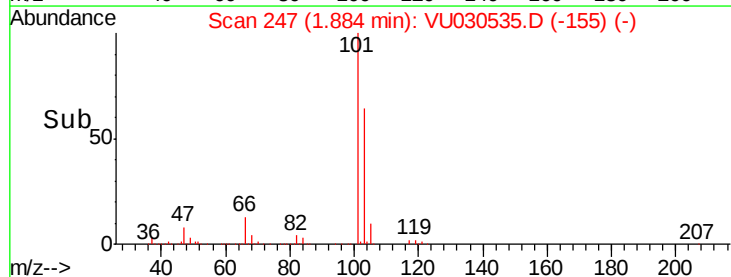
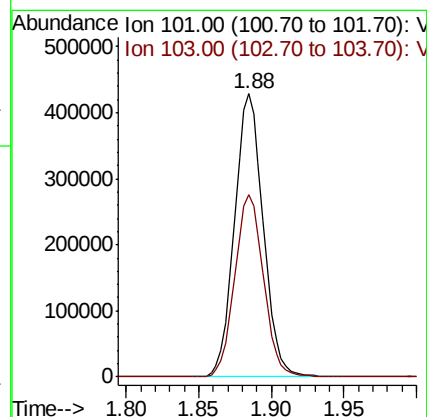
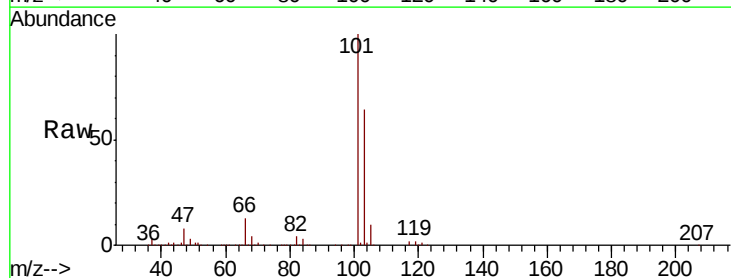
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

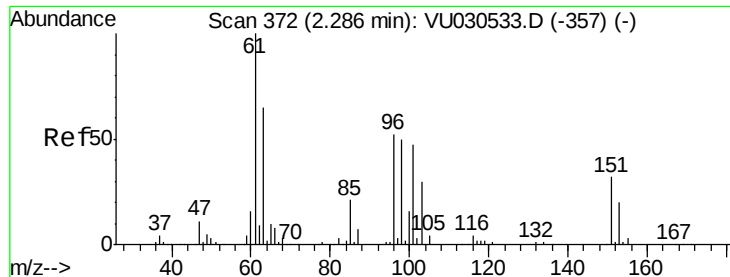
Tot Ion: 64 Resp: 276511
 Ion Ratio Lower Upper
 64 100
 66 32.7 22.1 41.1



#9
 Trichlorofluoromethane
 Concen: 20.002 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU030535.D
 Acq: 29 Mar 2019 10:41

Tgt Ion:101 Resp: 586622
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.0 78.0





#10

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

Concen: 19.950 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

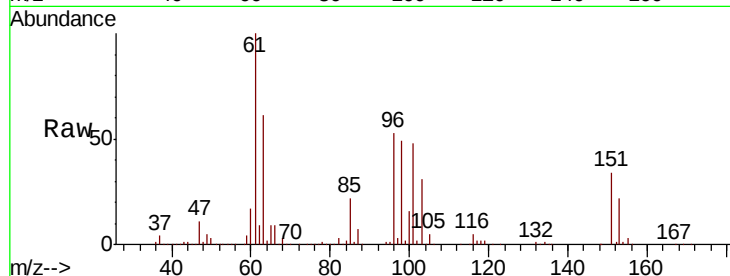
Tot Ion:101 Resp: 325372

Ion Ratio Lower Upper

101 100

85 45.1 35.3 52.9

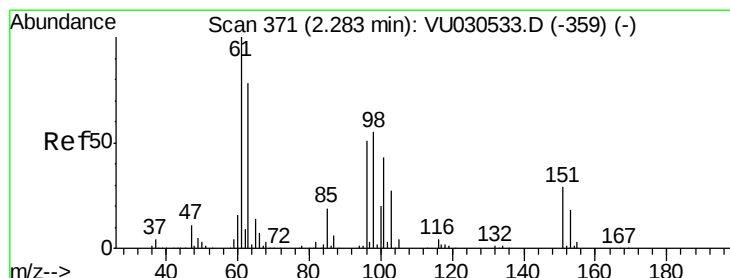
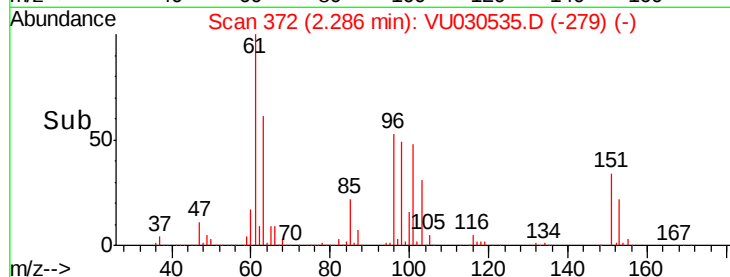
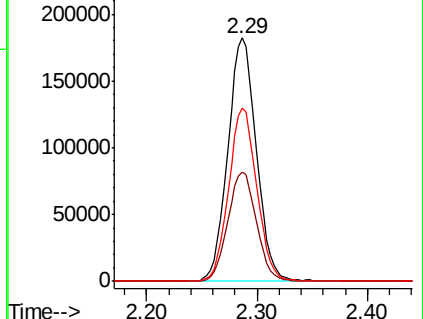
151 70.3 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 19.996 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

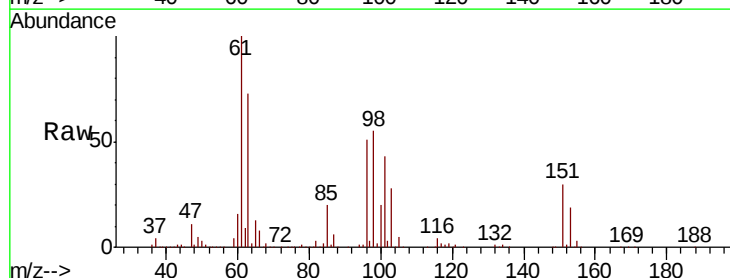
Tgt Ion: 96 Resp: 315505

Ion Ratio Lower Upper

96 100

61 195.0 136.9 254.3

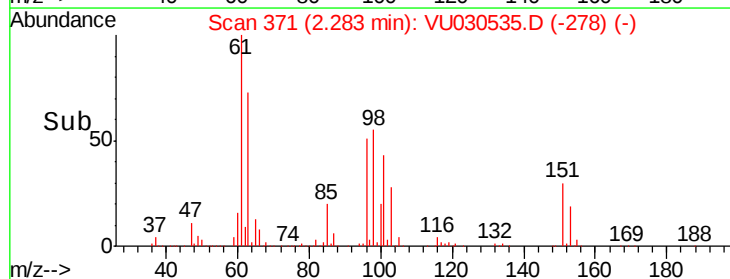
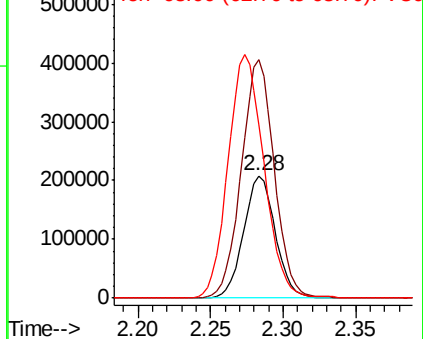
63 142.1 107.7 200.1

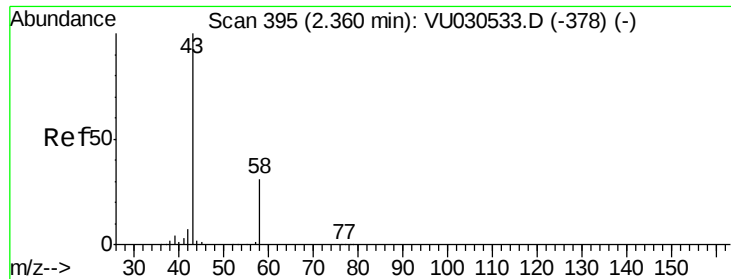


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 194.811 ug/L

RT: 2.35 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

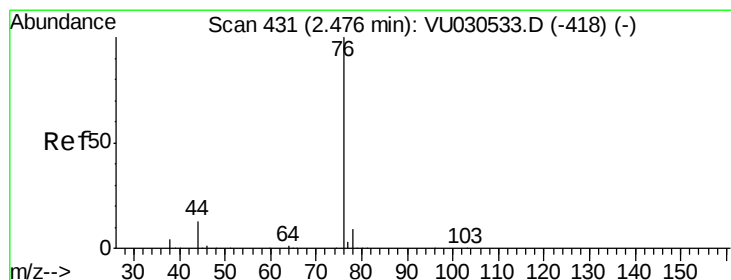
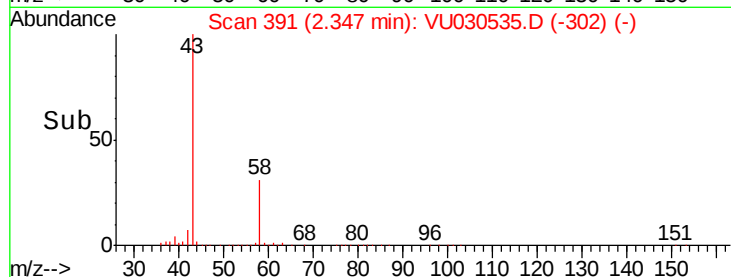
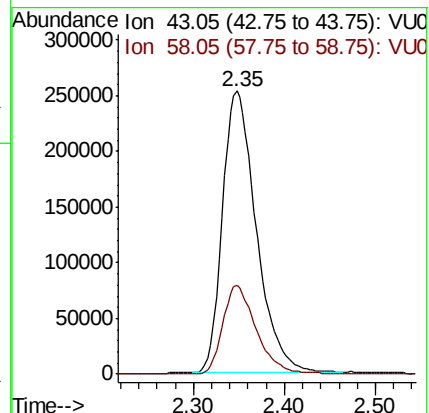
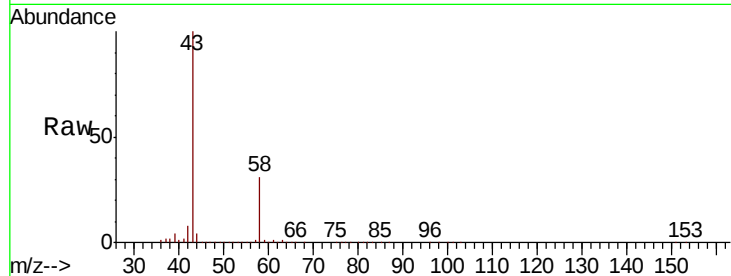
VSTD02005

Tot Ion: 43 Resp: 653743

Ion Ratio Lower Upper

43 100

58 30.8 0.0 62.8



#14

Carbon disulfide

Concen: 19.978 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU030535.D

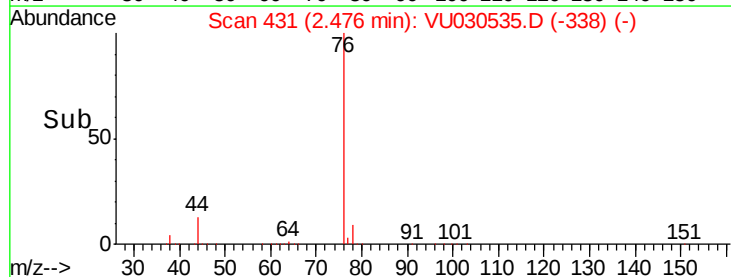
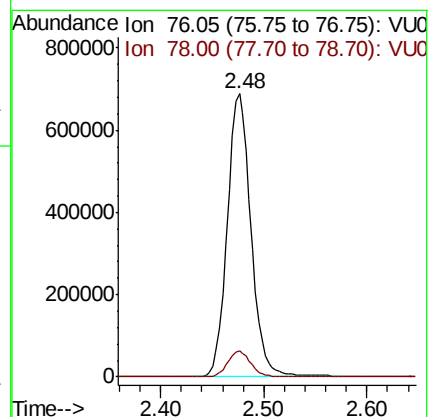
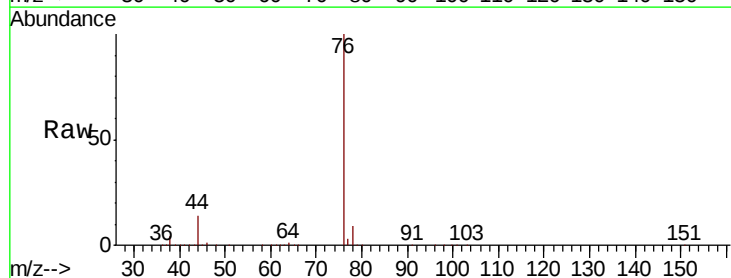
Acq: 29 Mar 2019 10:41

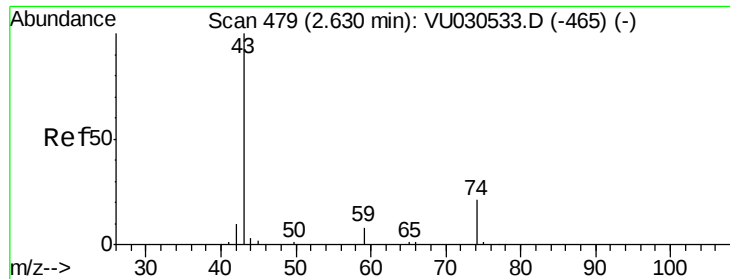
Tgt Ion: 76 Resp: 1105446

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





#15

Methyl Acetate

Concen: 21.129 ug/L

RT: 2.63 min Scan# 478

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

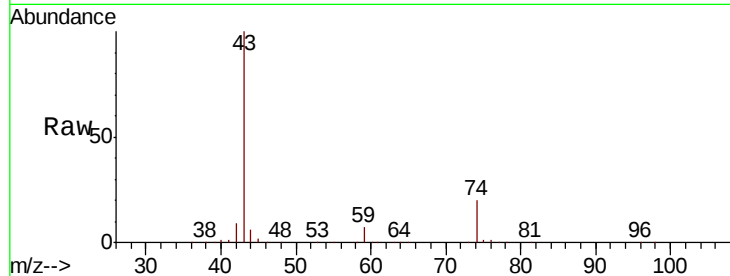
VSTD02005

Tot Ion: 43 Resp: 179687

Ion Ratio Lower Upper

43 100

74 20.4 17.1 25.7



Abundance Ion 43.05 (42.75 to 43.75): VU030533.D (-465) (-)

Ion 74.05 (73.75 to 74.75): VU030533.D (-465) (-)

2.63

100000

80000

60000

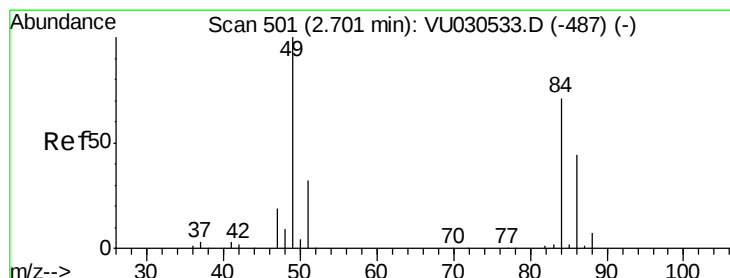
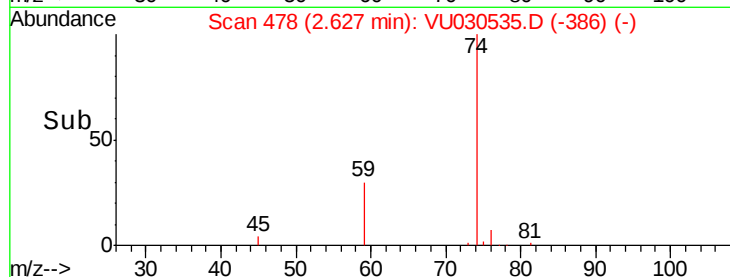
40000

20000

0

2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 18.900 ug/L

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

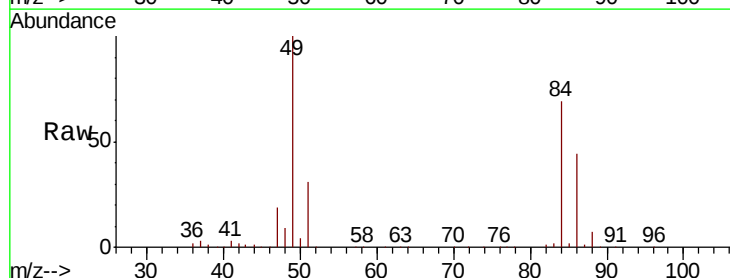
Tgt Ion: 84 Resp: 347640

Ion Ratio Lower Upper

84 100

86 63.2 43.4 80.6

49 143.9 98.5 182.9



Abundance Ion 84.05 (83.75 to 84.75): VU030533.D (-487) (-)

Ion 86.00 (85.70 to 86.70): VU030533.D (-487) (-)

Ion 49.10 (48.80 to 49.80): VU030533.D (-487) (-)

2.70

300000

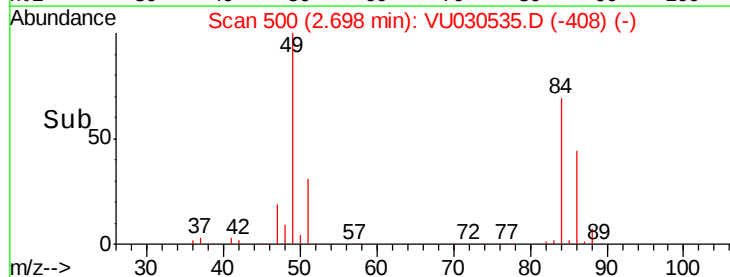
200000

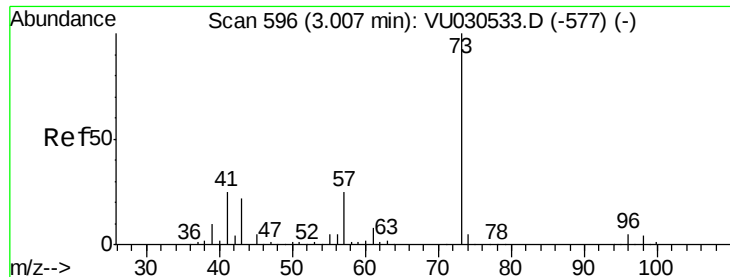
100000

0

2.60 2.70 2.80

Time-->

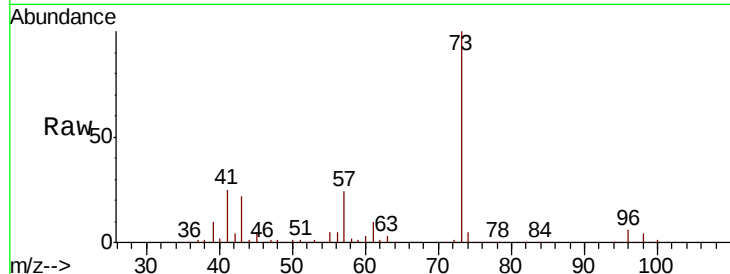




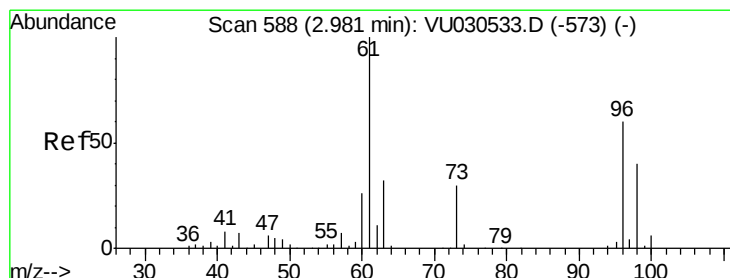
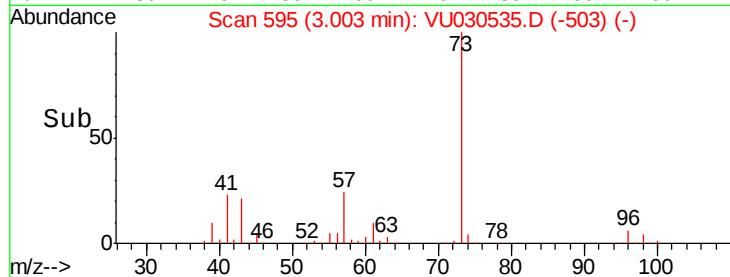
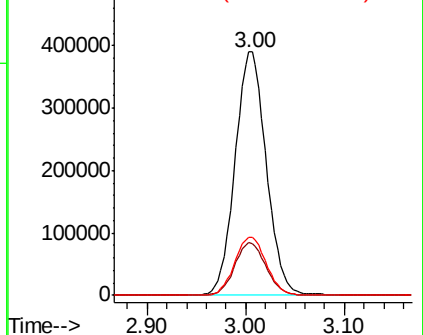
#17
Methvl tert-butvl Ether
Concen: 20.282 ug/L
RT: 3.00 min Scan# 595
Delta R.T. -0.00 min
Lab File: VU030535.D
Acq: 29 Mar 2019 10:41

Instrument :
MSVOA_U
ClientSampled :
VSTD02005

Tot Ion: 73 Resp: 856690
Ion Ratio Lower Upper
73 100
43 21.6 17.0 25.4
57 24.3 19.4 29.2

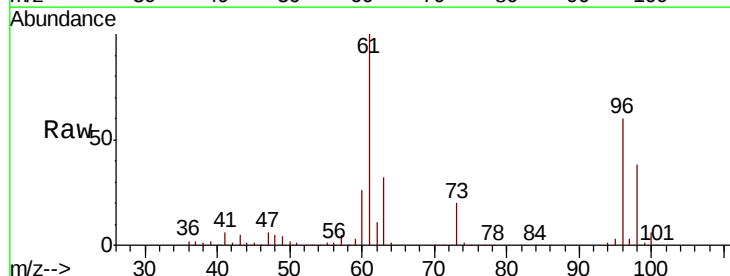


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

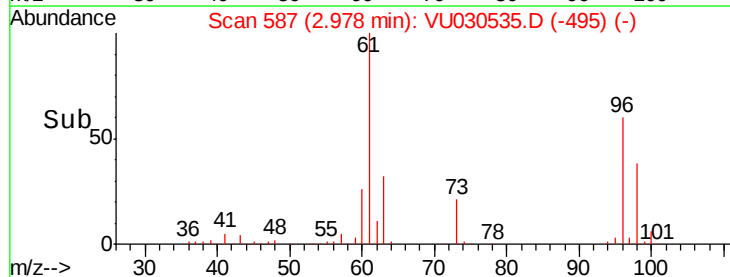
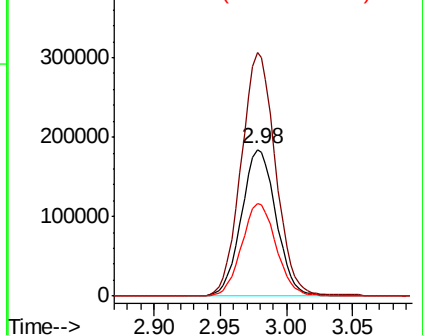


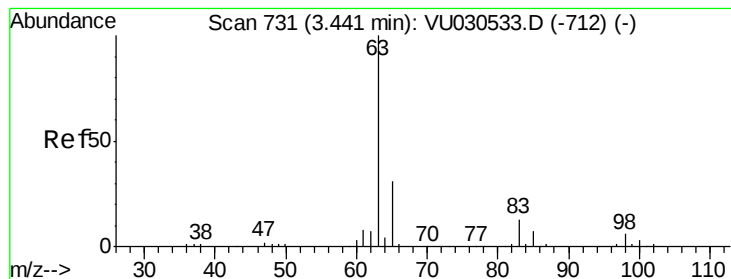
#18
trans-1,2-Dichloroethene
Concen: 20.086 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU030535.D
Acq: 29 Mar 2019 10:41

Tgt Ion: 96 Resp: 334587
Ion Ratio Lower Upper
96 100
61 166.0 116.8 216.8
98 63.1 46.8 87.0



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





#19

1,1-Dichloroethane

Concen: 19.848 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

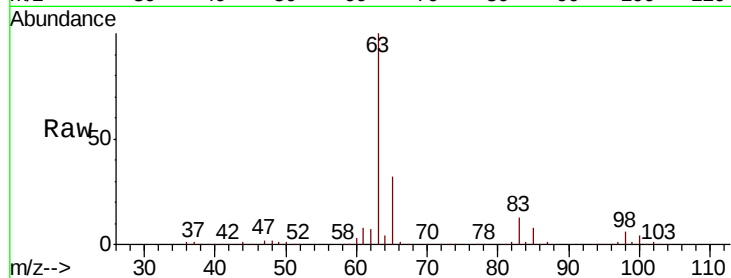
Tot Ion: 63 Resp: 699333

Ion Ratio Lower Upper

63 100

65 31.5 21.6 40.0

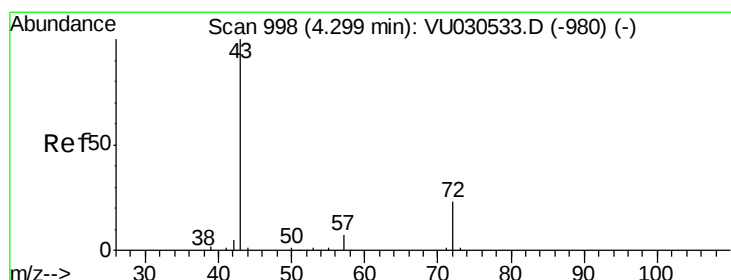
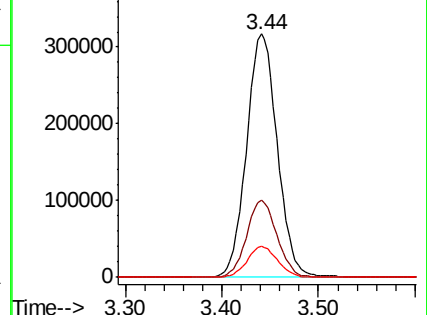
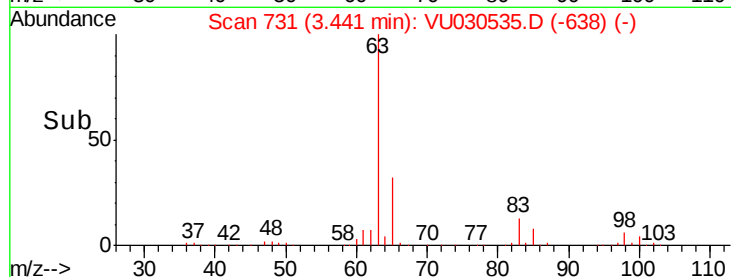
83 12.6 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU030535.D (-638) (-)

Ion 65.10 (64.80 to 65.80): VU030535.D (-638) (-)

Ion 83.05 (82.75 to 83.75): VU030535.D (-638) (-)



#21

2-Butanone

Concen: 212.028 ug/L

RT: 4.29 min Scan# 995

Delta R.T. -0.01 min

Lab File: VU030535.D

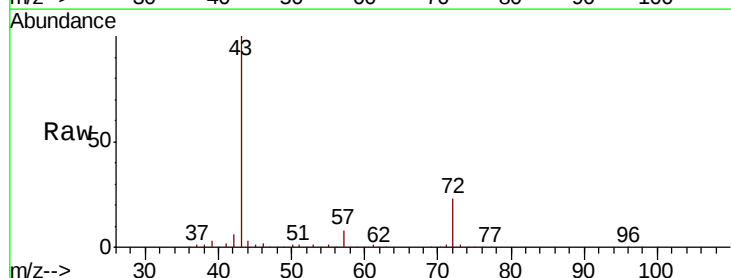
Acq: 29 Mar 2019 10:41

Tgt Ion: 43 Resp: 1120602

Ion Ratio Lower Upper

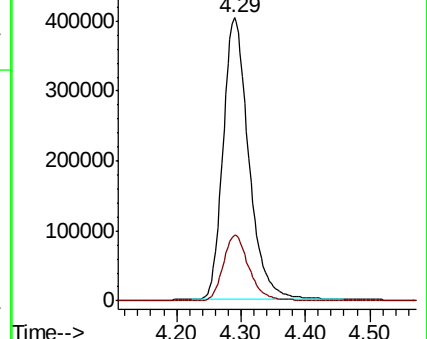
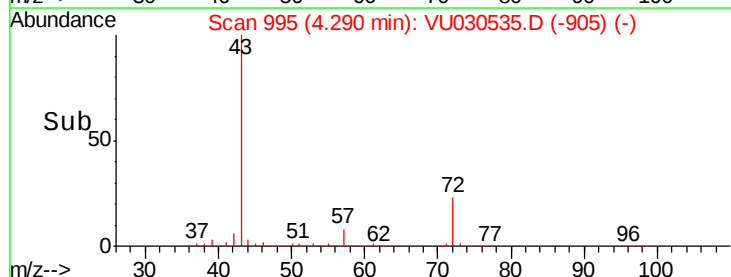
43 100

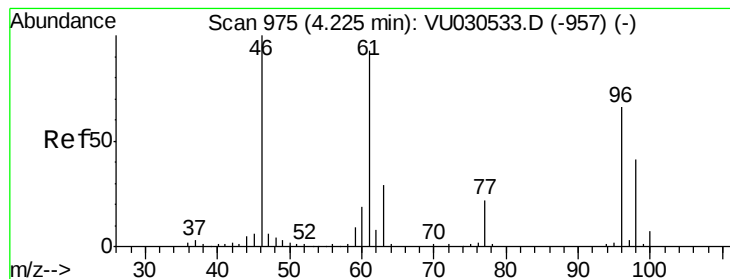
72 22.7 11.2 33.5



Abundance Ion 43.05 (42.75 to 43.75): VU030535.D (-905) (-)

Ion 72.10 (71.80 to 72.80): VU030535.D (-905) (-)



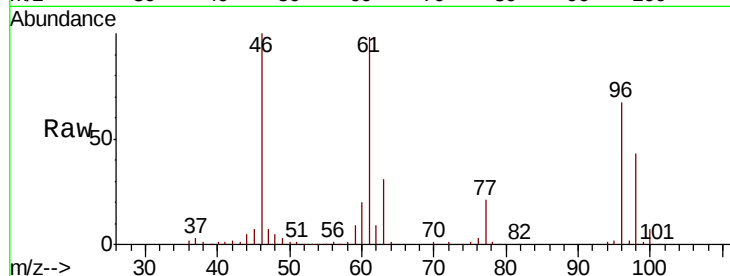


#22

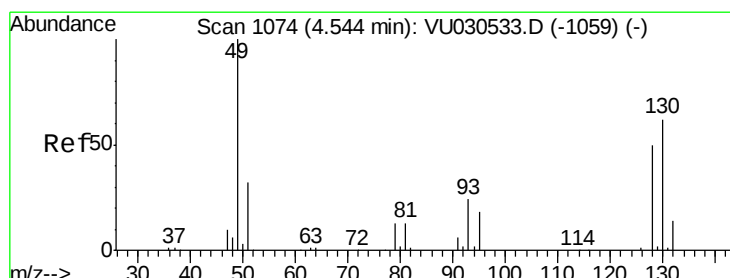
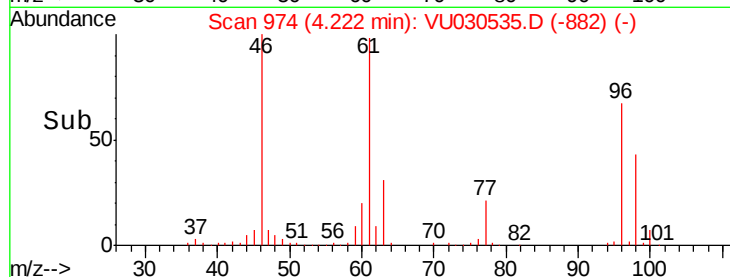
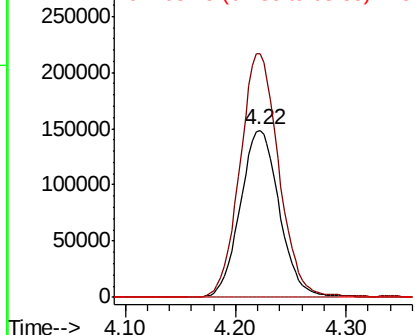
cis-1,2-Dichloroethene
 Concen: 20.404 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU030535.D
 Acq: 29 Mar 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tot Ion: 96 Resp: 362432
 Ion Ratio Lower Upper
 96 100
 61 145.7 98.9 183.7
 68 0.0 0.0 0.0



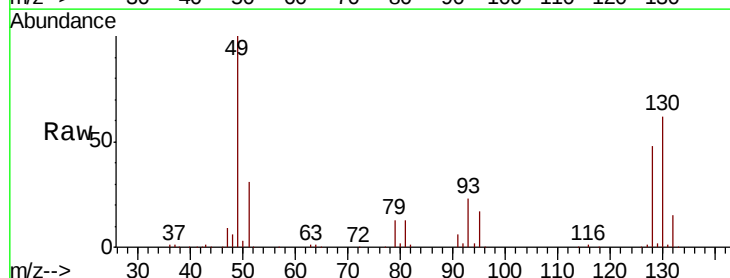
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



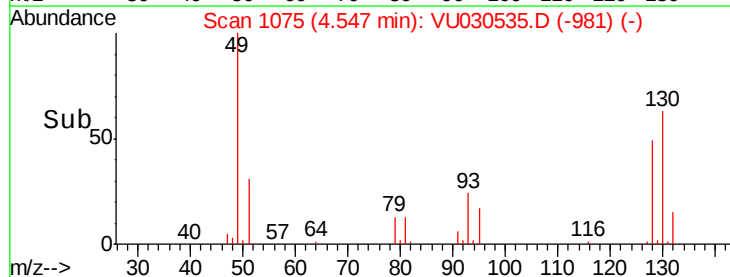
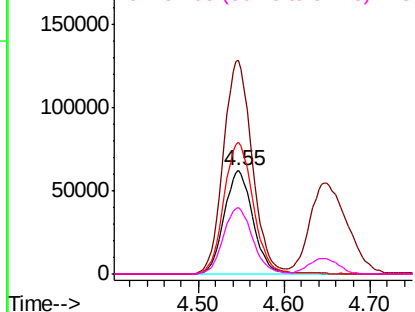
#23

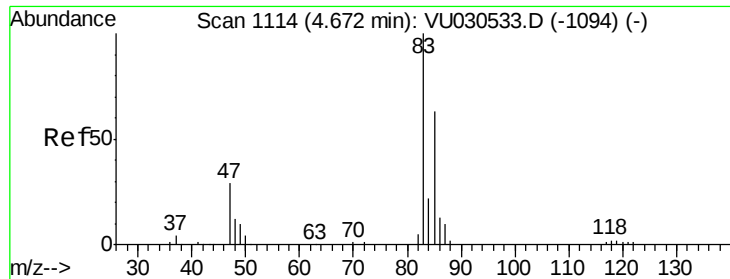
Bromochloromethane
 Concen: 20.499 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU030535.D
 Acq: 29 Mar 2019 10:41

Tgt Ion: 128 Resp: 145462
 Ion Ratio Lower Upper
 128 100
 49 206.9 140.6 261.2
 130 127.7 87.3 162.1
 51 64.2 51.8 77.6



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

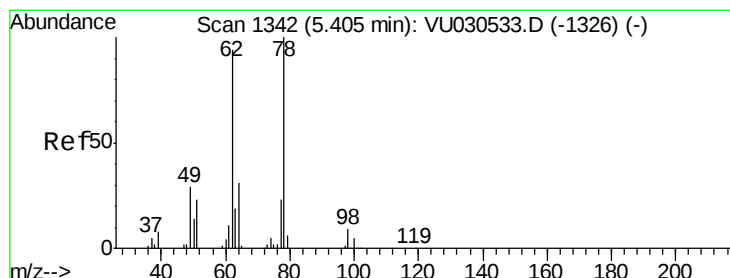
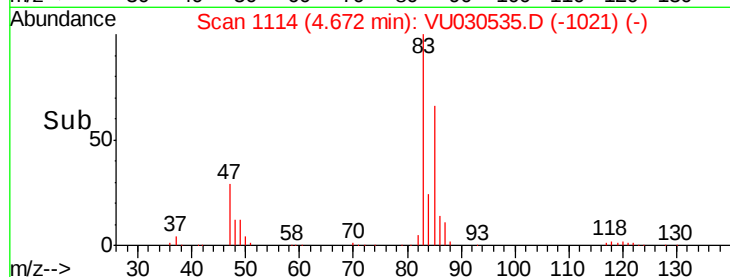
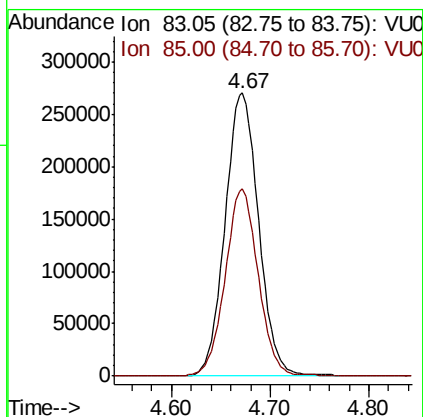
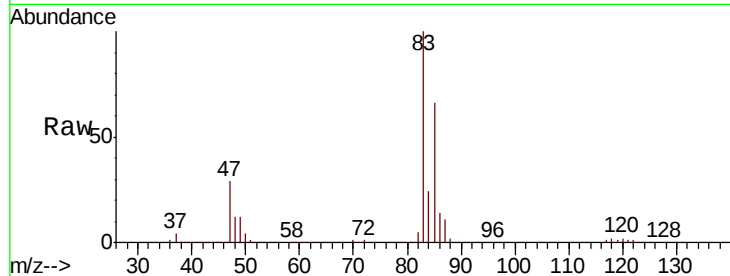




#25
Chloroform
Concen: 19.975 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VU030535.D
Acq: 29 Mar 2019 10:41

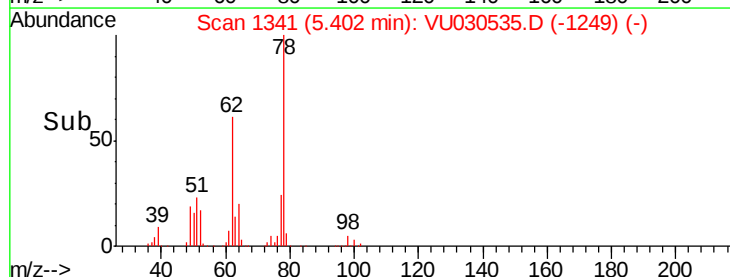
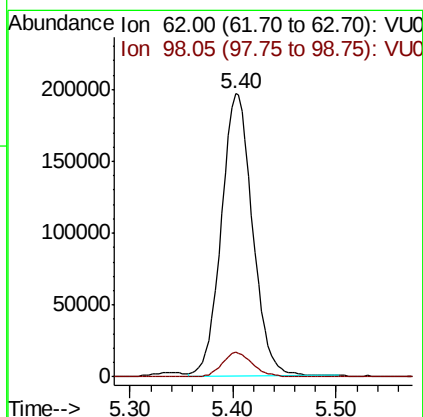
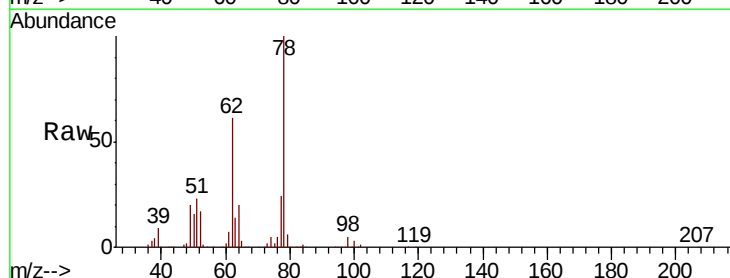
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

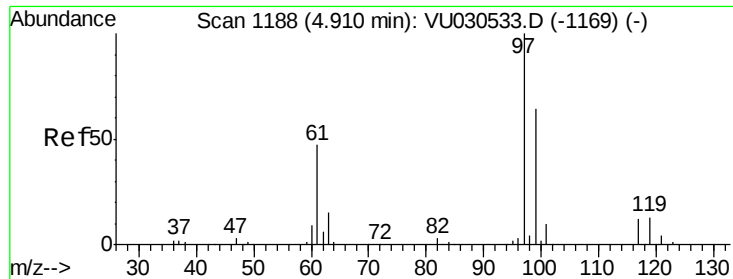
Tot Ion: 83 Resp: 641612
Ion Ratio Lower Upper
83 100
85 66.0 44.2 82.2



#27
1,2-Dichloroethane
Concen: 19.895 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU030535.D
Acq: 29 Mar 2019 10:41

Tgt Ion: 62 Resp: 414665
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.2

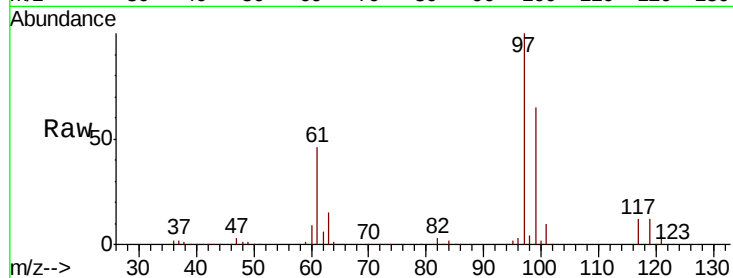




#29
1,1,1-Trichloroethane
Concen: 19.763 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU030535.D
Acq: 29 Mar 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.6
61	46.5	38.1	57.1

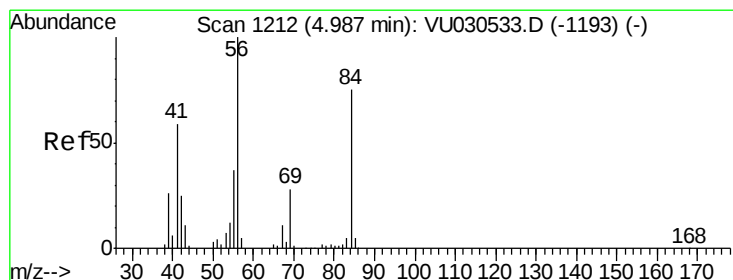
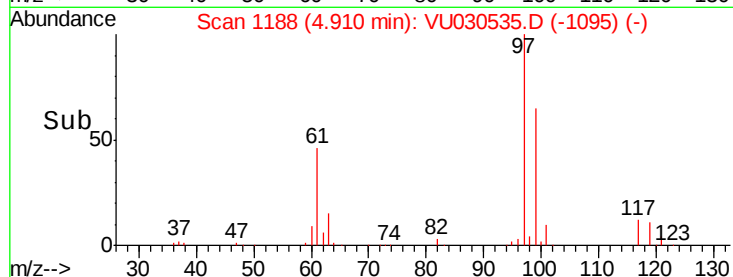
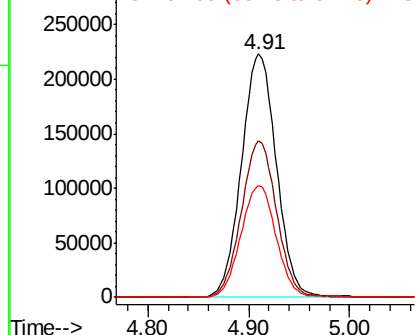


Abundance

Ion 96.95 (96.65 to 97.65): VU0

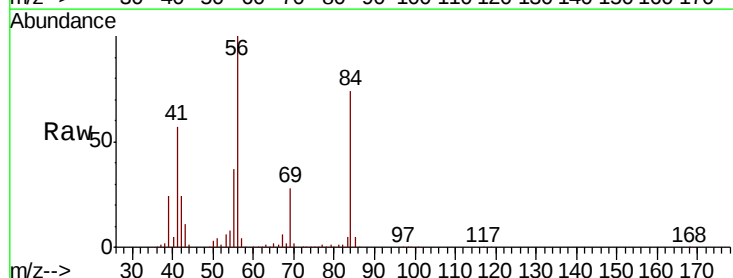
Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30
Cyclohexane
Concen: 21.049 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU030535.D
Acq: 29 Mar 2019 10:41

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.8	22.3	33.5
84	73.4	58.3	87.5

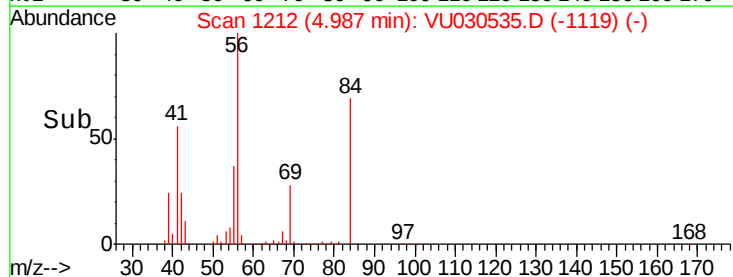
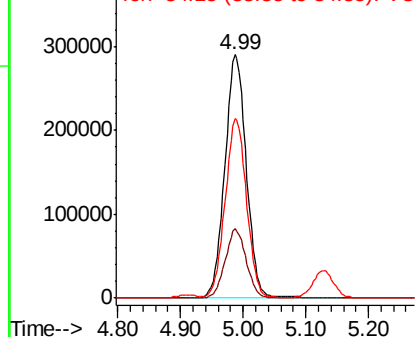


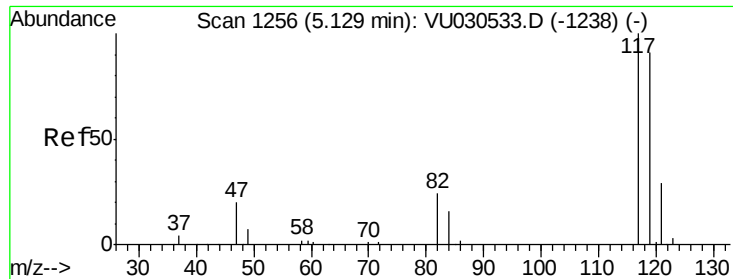
Abundance

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: 20.533 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

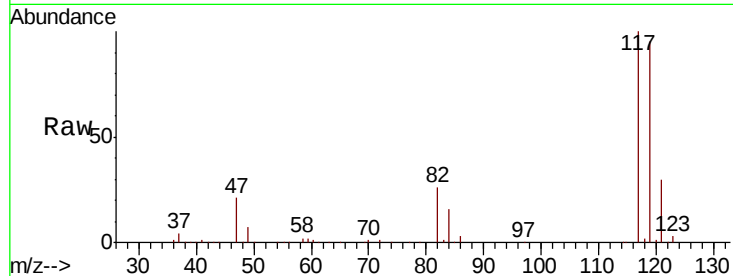
VSTD02005

Tot Ion:117 Resp: 467116

Ion Ratio Lower Upper

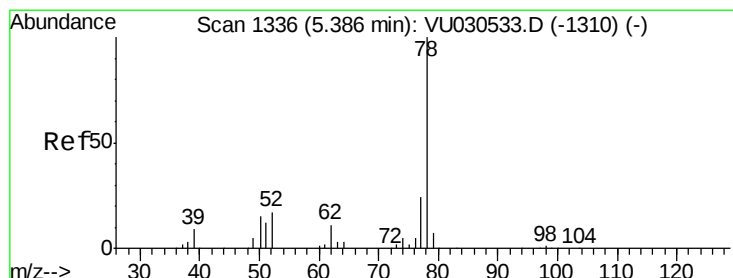
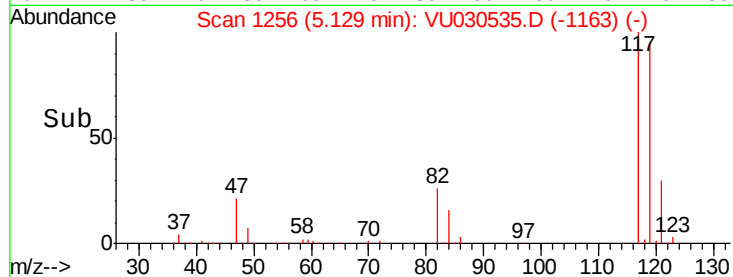
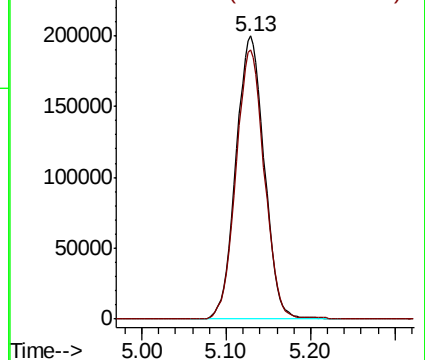
117 100

119 95.0 73.7 110.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 20.275 ug/L

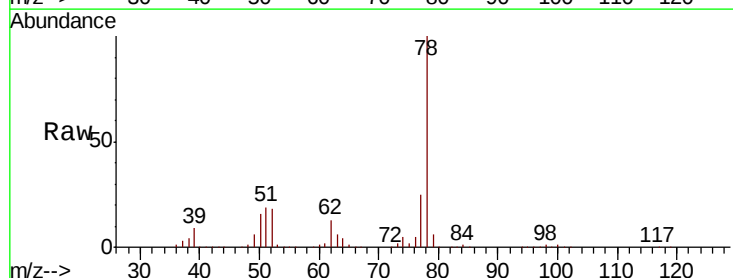
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

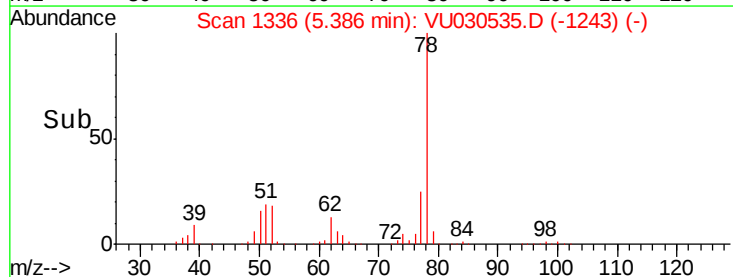
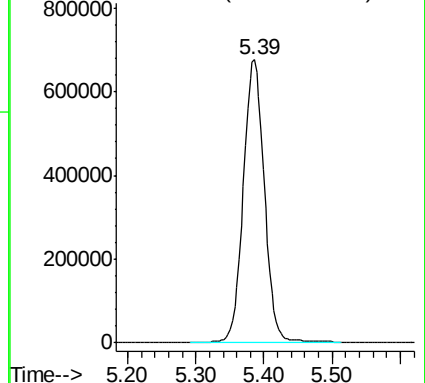
Lab File: VU030535.D

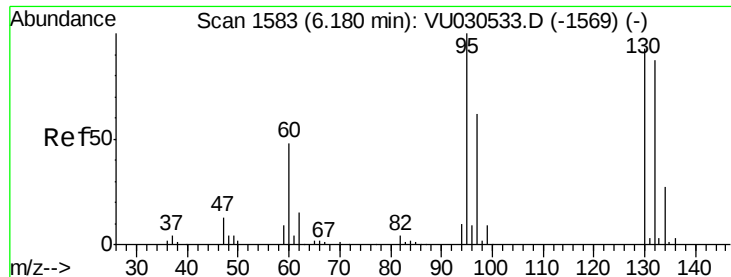
Acq: 29 Mar 2019 10:41

Tgt Ion: 78 Resp: 1458868



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 20.229 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

Tot Ion: 95 Resp: 364367

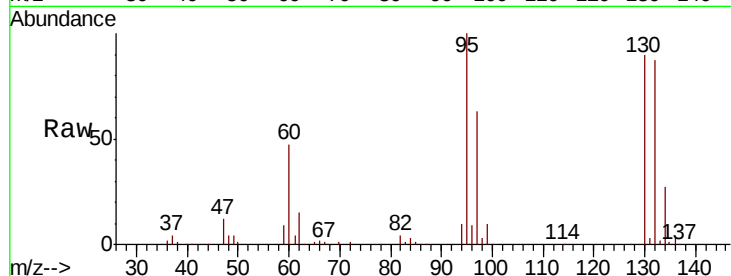
Ion Ratio Lower Upper

95 100

97 62.7 43.5 80.9

132 87.3 60.7 112.7

130 89.9 65.1 120.9



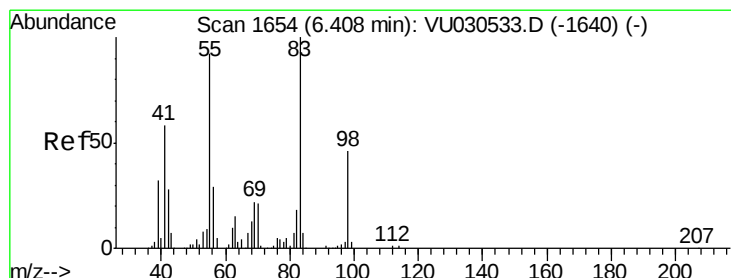
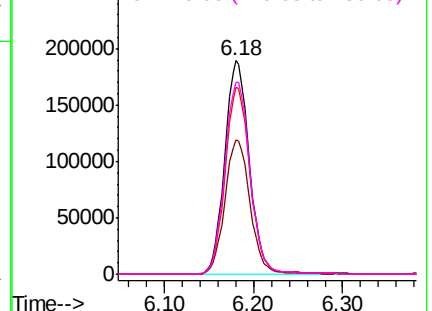
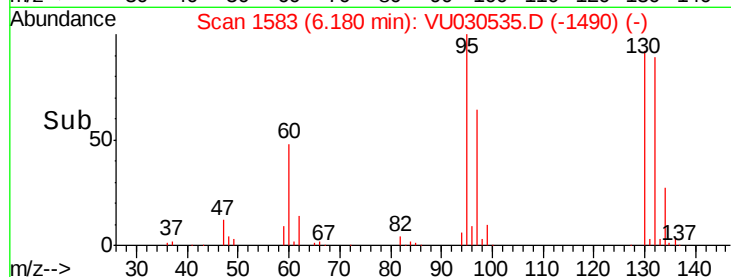
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 21.691 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

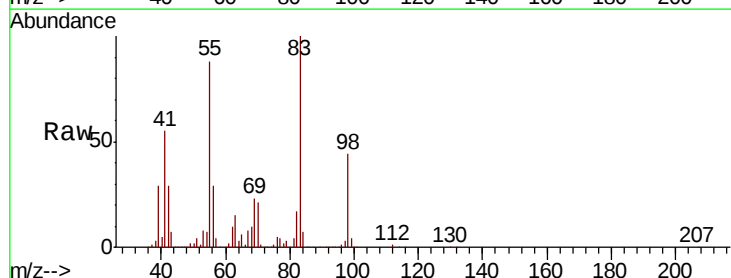
Tgt Ion: 83 Resp: 623503

Ion Ratio Lower Upper

83 100

55 87.3 72.6 108.8

98 44.0 35.0 52.6

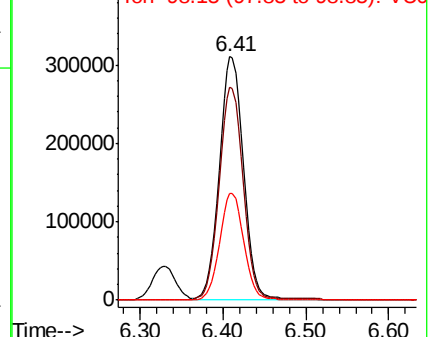
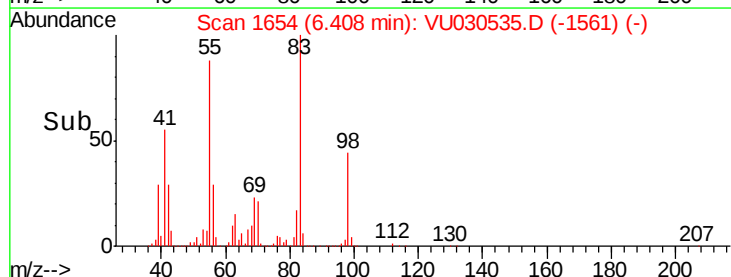


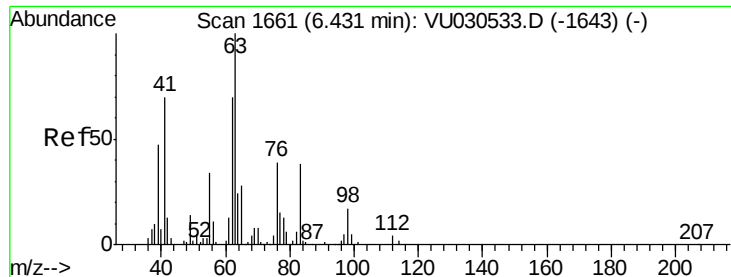
Abundance

Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 19.922 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

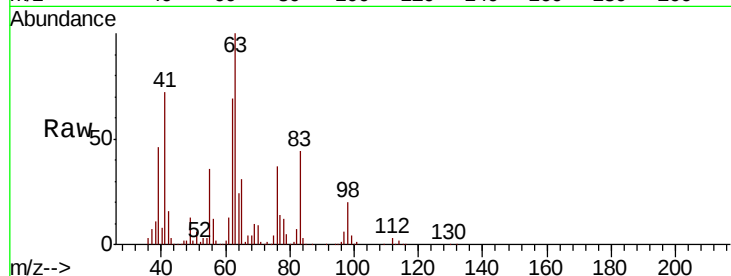
VSTD02005

Tot Ion: 63 Resp: 394477

Ion Ratio Lower Upper

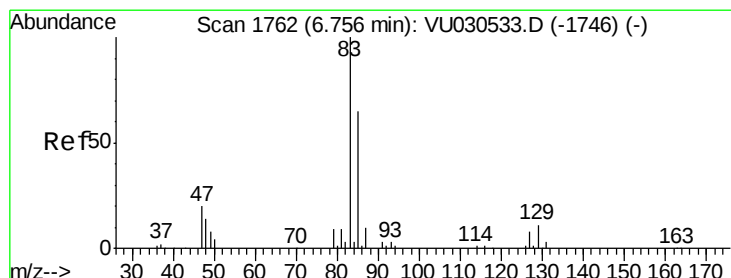
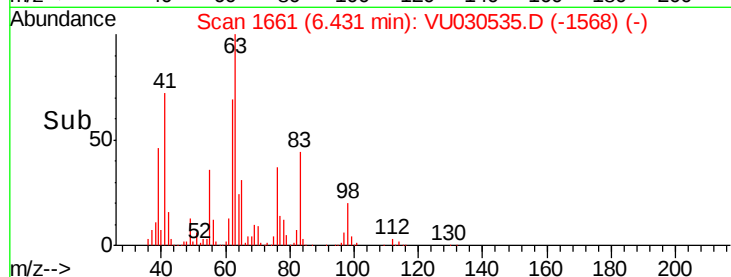
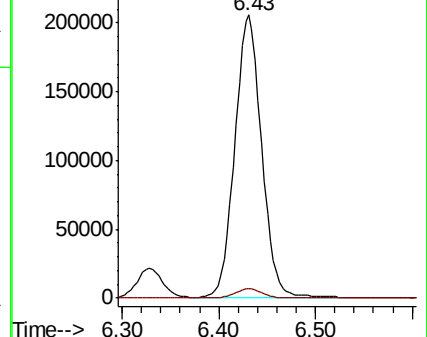
63 100

112 3.5 2.8 4.2



Abundance Ion 63.10 (62.80 to 63.80): VU030533.D (-1643) (-)

Ion 112.10 (111.80 to 112.80): VU030533.D (-1643) (-)



#38

Bromodichloromethane

Concen: 19.894 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

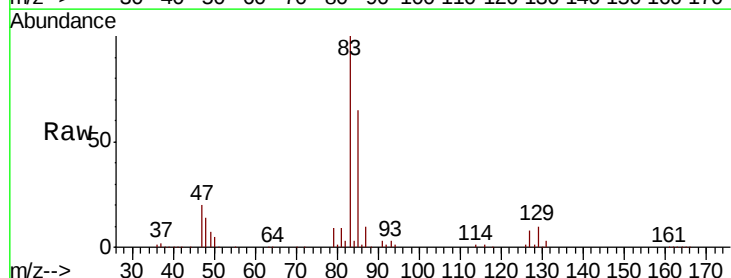
Tgt Ion: 83 Resp: 459992

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.9

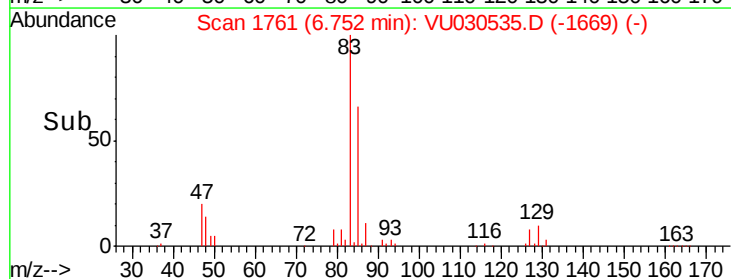
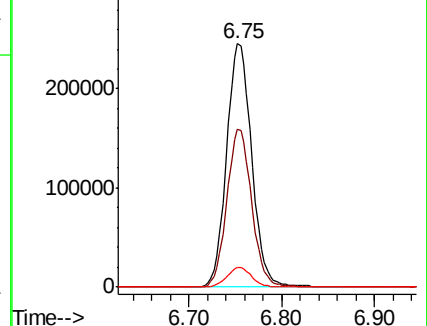
127 8.0 6.5 9.7

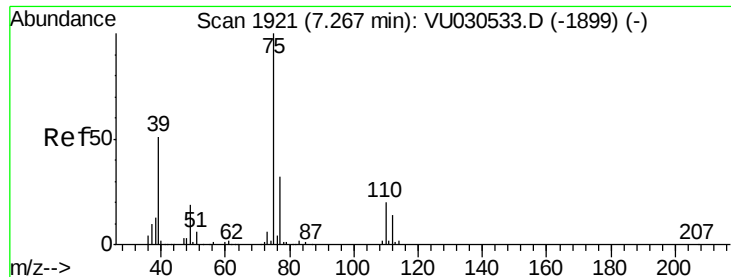


Abundance Ion 82.95 (82.65 to 83.65): VU030533.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VU030533.D (-1746) (-)

Ion 126.90 (126.60 to 127.60): VU030533.D (-1746) (-)

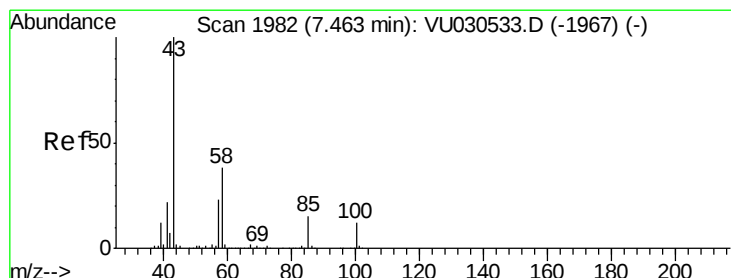
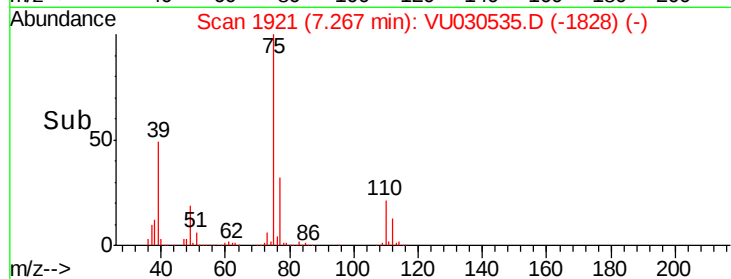
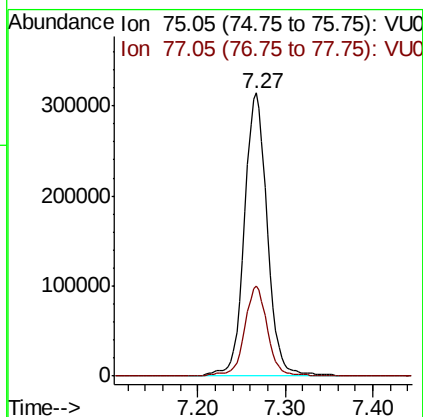
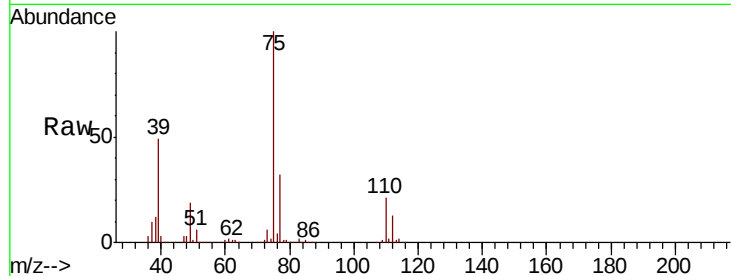




#39
 cis-1,3-Dichloropropene
 Concen: 21.624 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030535.D
 Acq: 29 Mar 2019 10:41

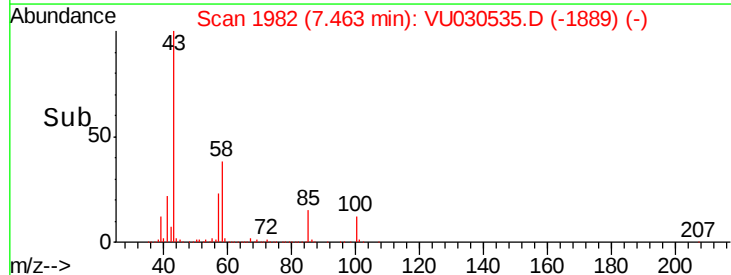
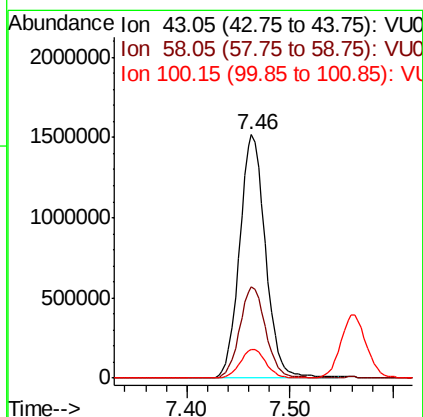
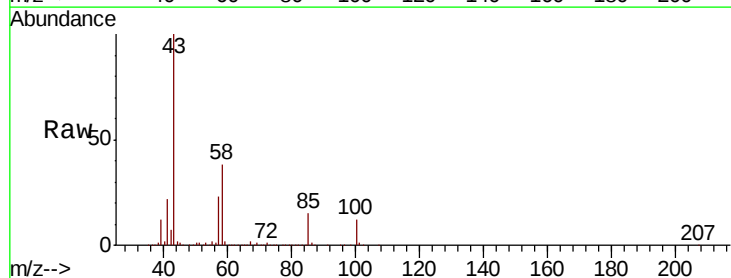
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

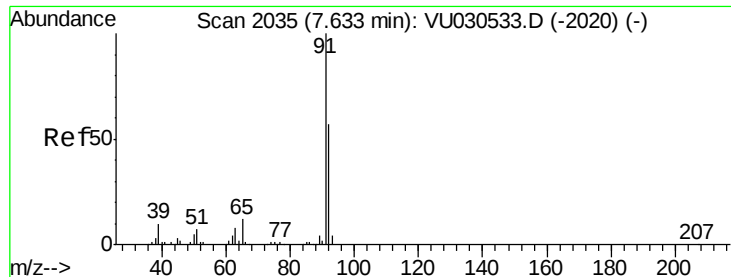
Tot Ion: 75 Resp: 572645
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 214.406 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU030535.D
 Acq: 29 Mar 2019 10:41

Tgt Ion: 43 Resp: 2648433
 Ion Ratio Lower Upper
 43 100
 58 37.8 29.4 44.2
 100 11.9 9.2 13.8





#42

Toluene

Concen: 21.051 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

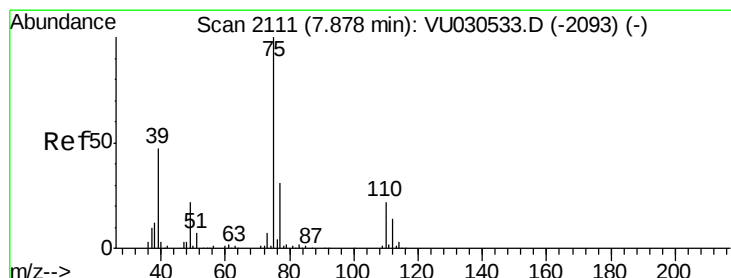
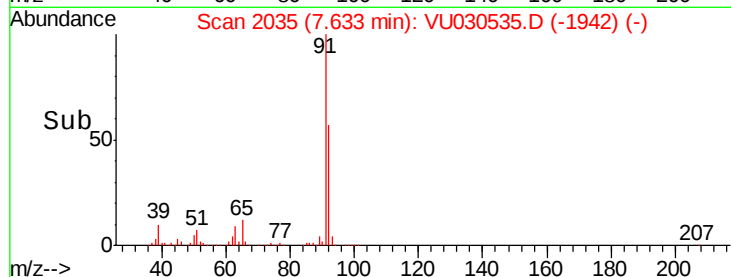
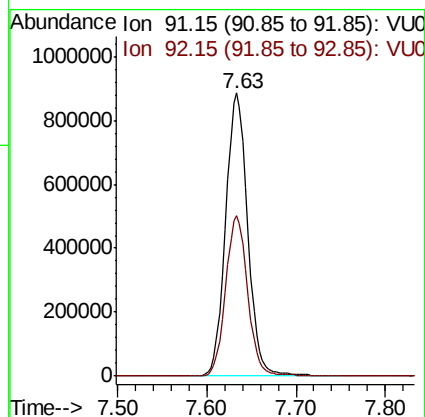
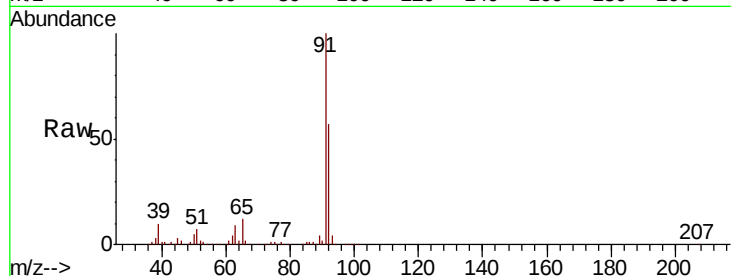
VSTD02005

Tot Ion: 91 Resp: 1519037

Ion Ratio Lower Upper

91 100

92 56.9 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 21.840 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030535.D

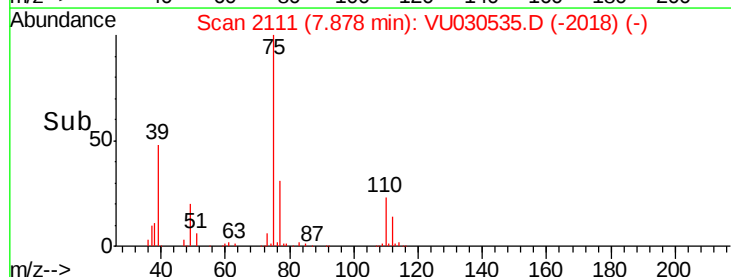
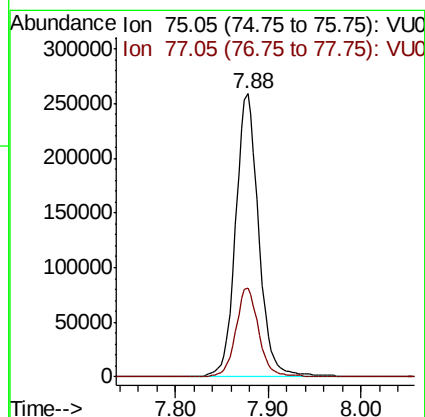
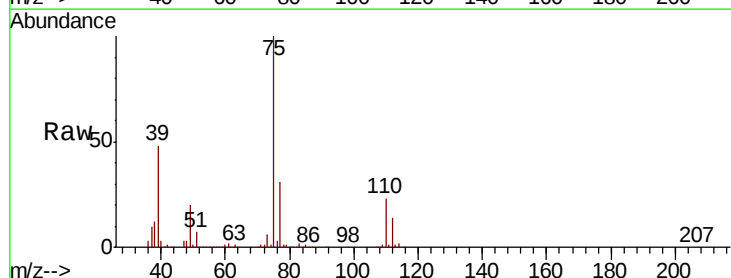
Acq: 29 Mar 2019 10:41

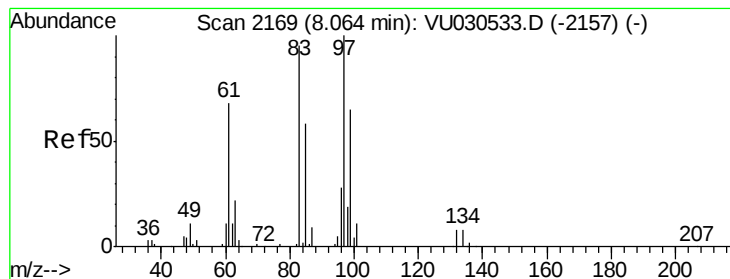
Tgt Ion: 75 Resp: 447655

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 20.051 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

Tot Ion: 97 Resp: 236745

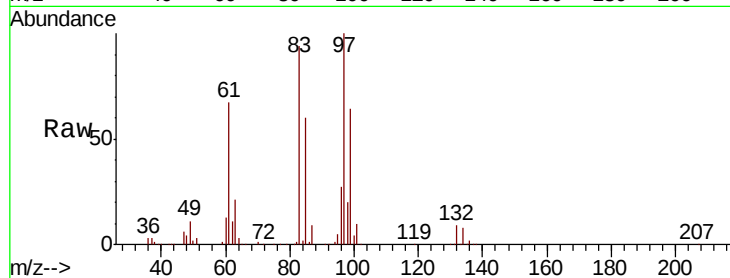
Ion Ratio Lower Upper

97 100

99 63.9 45.3 84.1

83 93.5 66.5 123.5

85 59.6 41.2 76.4

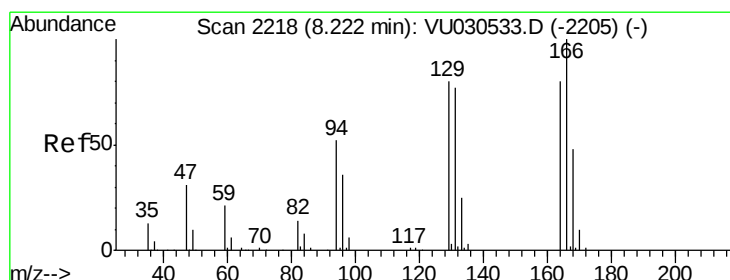
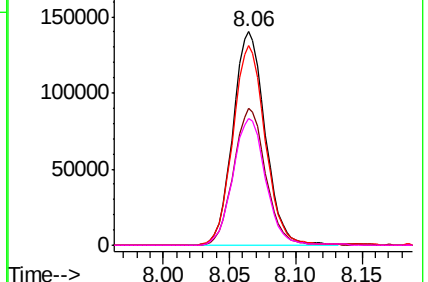
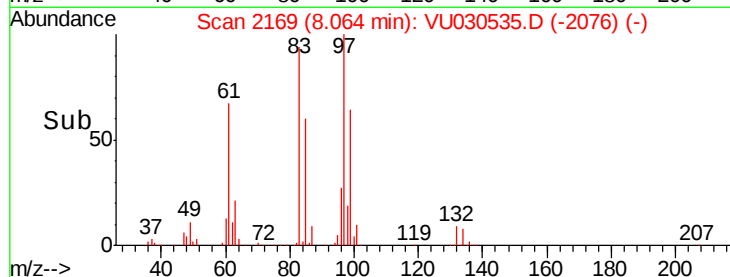


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 20.384 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Tgt Ion: 164 Resp: 257528

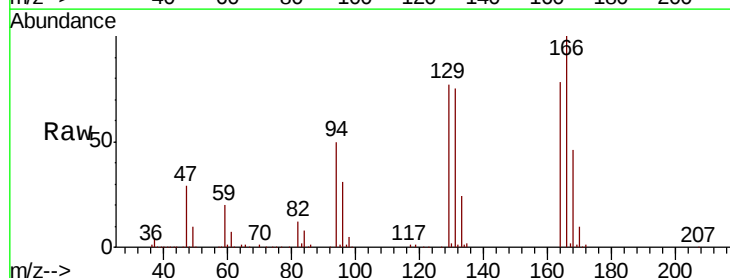
Ion Ratio Lower Upper

164 100

129 97.5 70.1 130.1

131 96.2 67.8 125.8

166 127.4 87.9 163.3

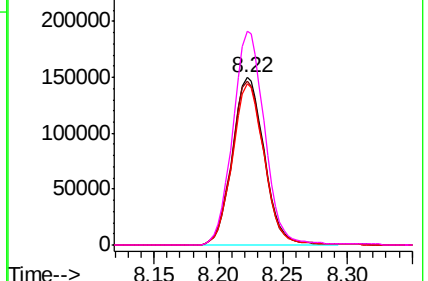
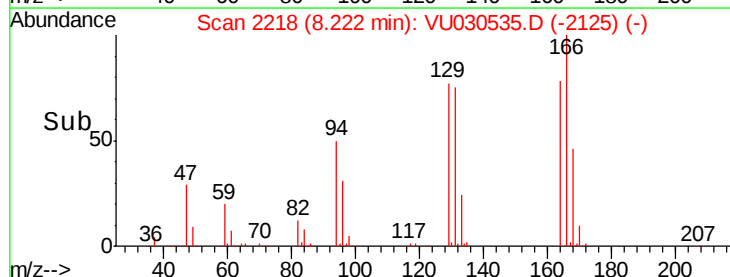


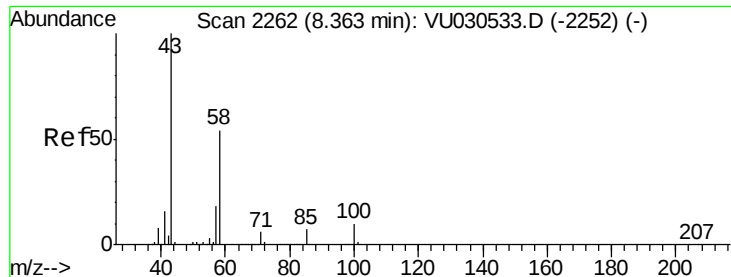
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

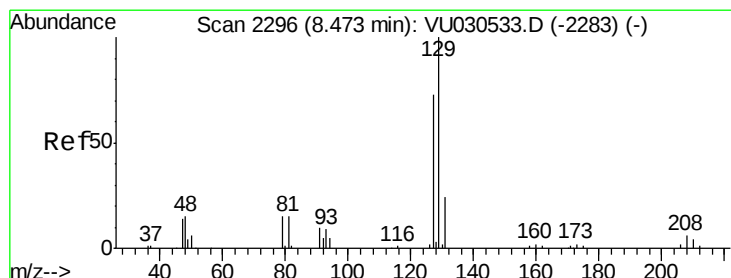
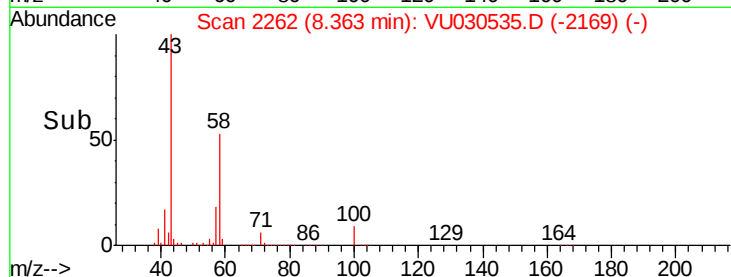
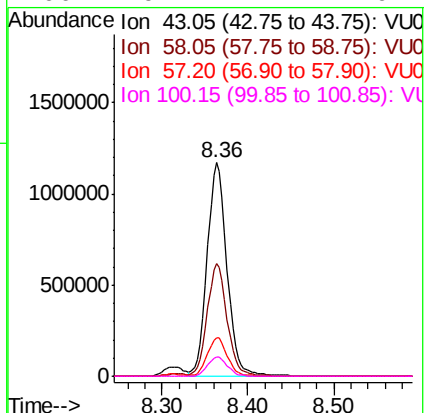
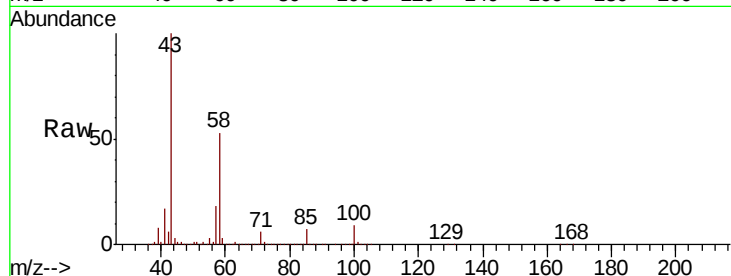




#48
2-Hexanone
Concen: 220.635 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU030535.D
Acq: 29 Mar 2019 10:41

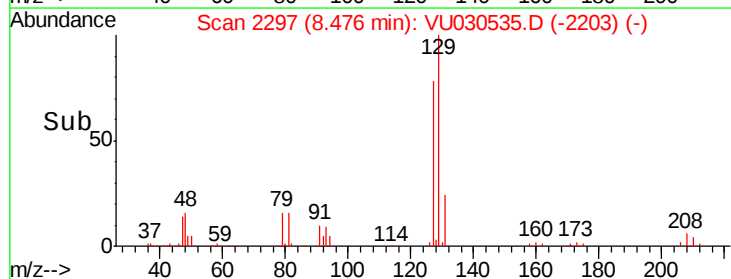
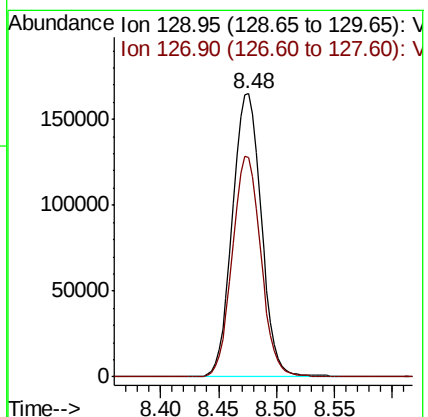
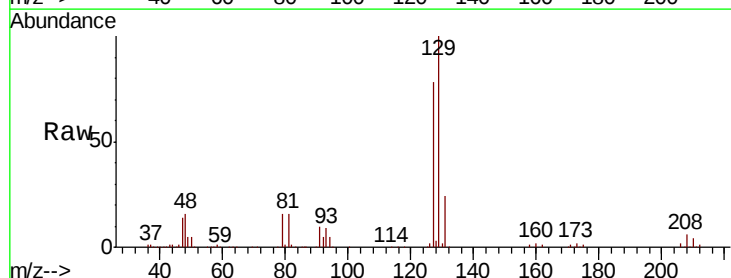
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

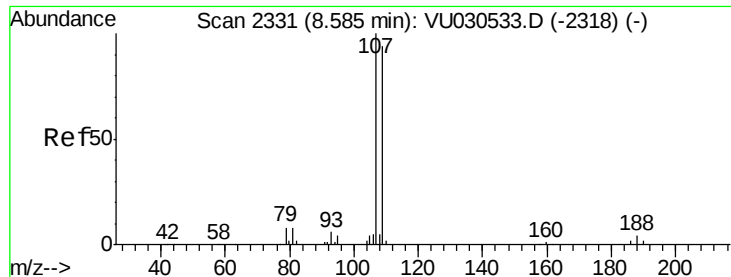
Tot Ion: 43 Resp: 1888389
Ion Ratio Lower Upper
43 100
58 52.9 42.5 63.7
57 18.3 13.9 20.9
100 9.2 7.1 10.7



#49
Dibromochloromethane
Concen: 20.281 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU030535.D
Acq: 29 Mar 2019 10:41

Tgt Ion: 129 Resp: 286354
Ion Ratio Lower Upper
129 100
127 77.6 51.1 94.9





#50

1,2-Dibromoethane

Concen: 21.059 ug/L

RT: 8.59 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

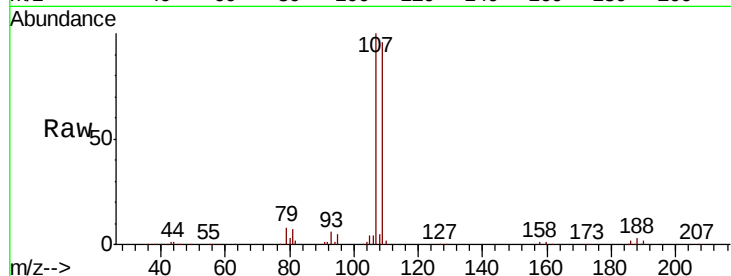
Tot Ion:107 Resp: 231774

Ion Ratio Lower Upper

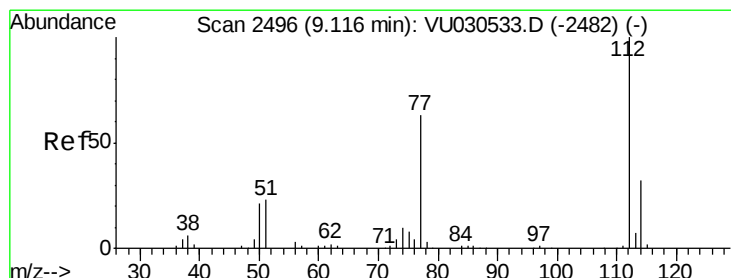
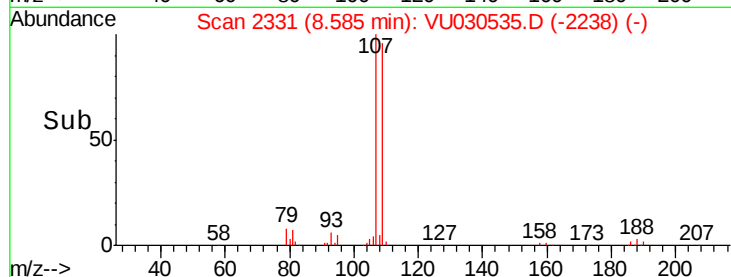
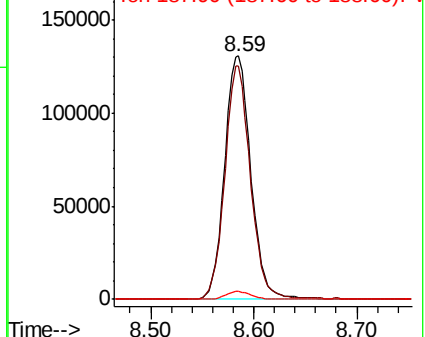
107 100

109 95.6 65.6 121.8

188 3.1 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: 20.068 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

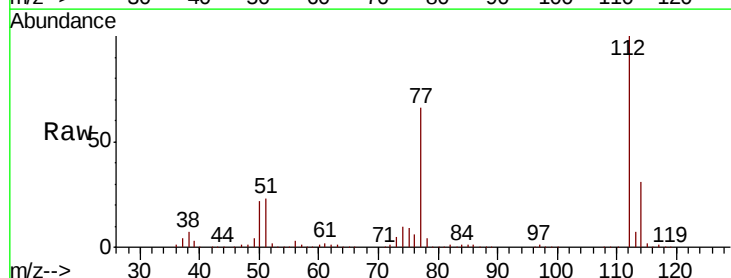
Tgt Ion:112 Resp: 892971

Ion Ratio Lower Upper

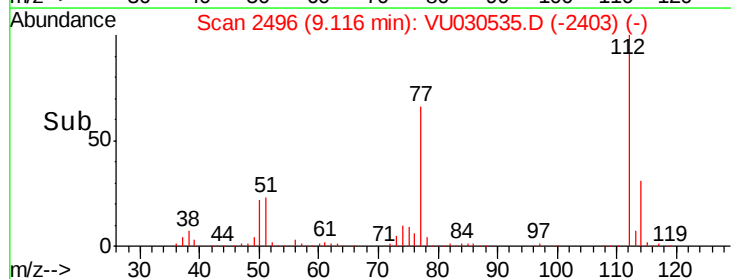
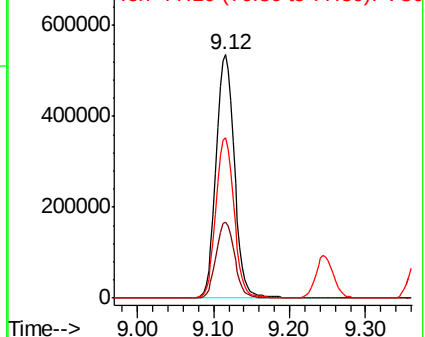
112 100

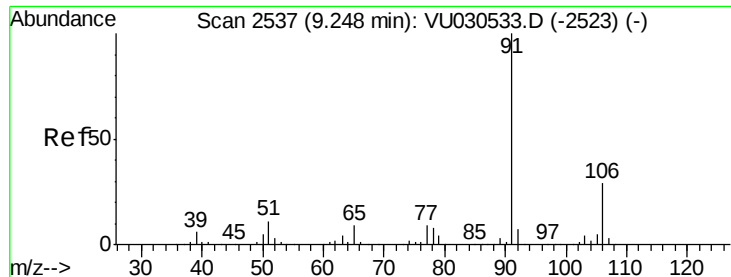
114 31.4 22.3 41.5

77 65.6 51.0 76.6



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





#52

Ethylbenzene

Concen: 21.661 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

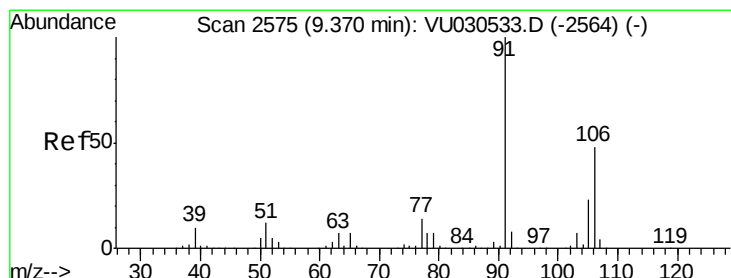
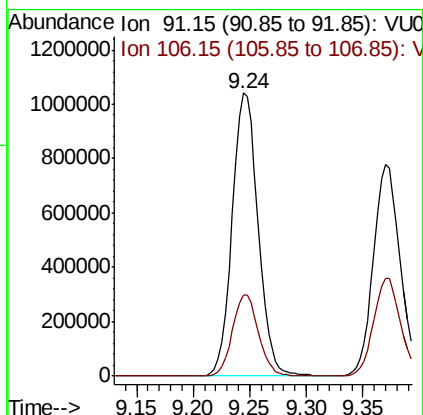
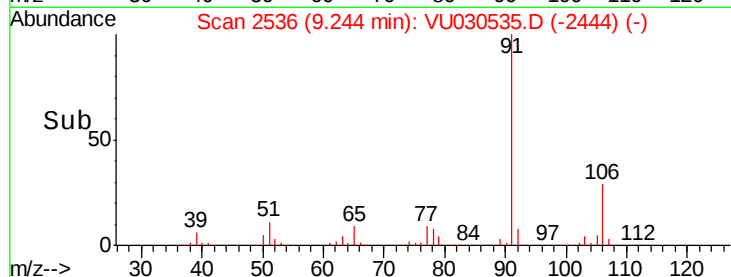
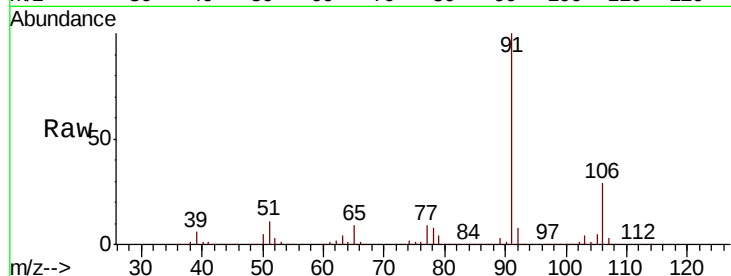
VSTD02005

Tot Ion: 91 Resp: 1667133

Ion Ratio Lower Upper

91 100

106 28.6 20.2 37.4



#53

m,p-Xylene

Concen: 22.274 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030535.D

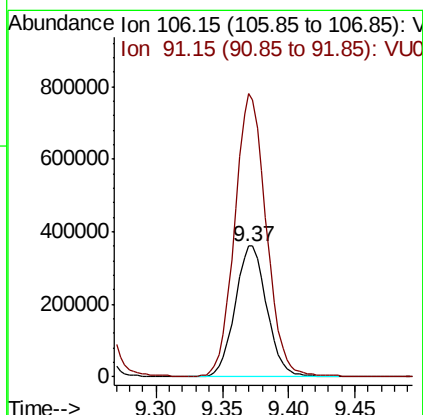
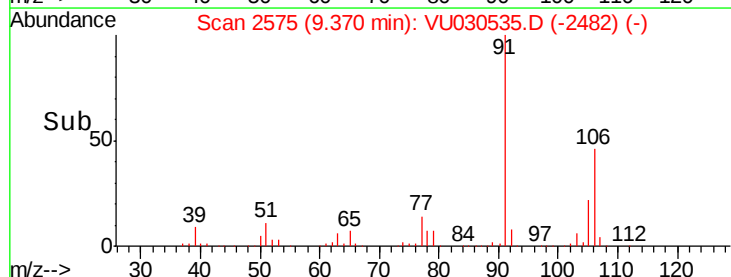
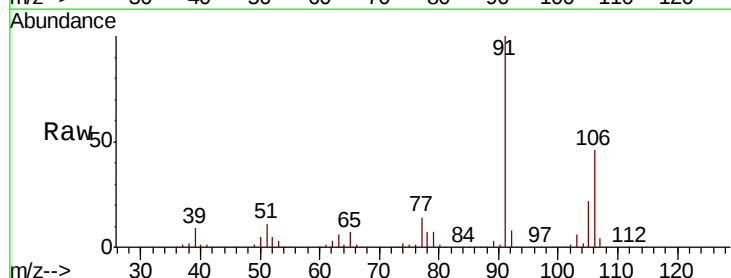
Acq: 29 Mar 2019 10:41

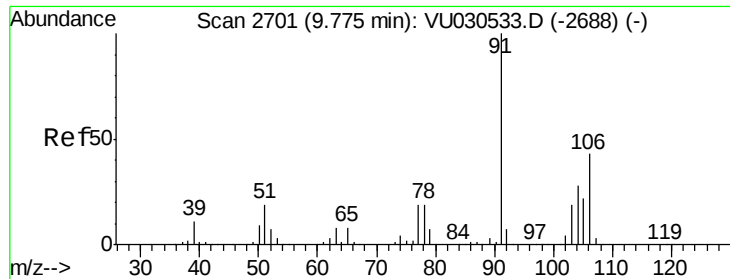
Tgt Ion: 106 Resp: 598814

Ion Ratio Lower Upper

106 100

91 216.1 147.4 273.8

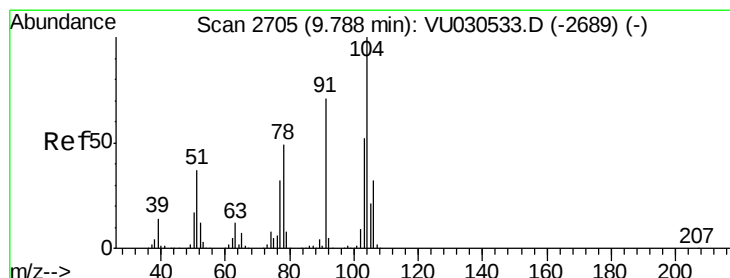
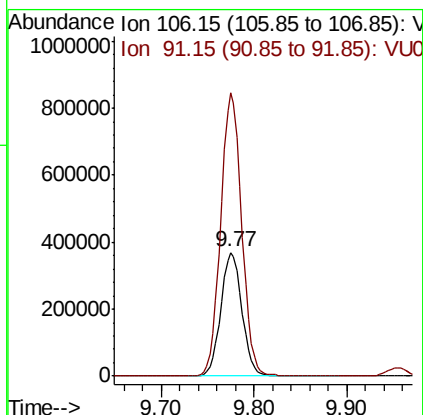
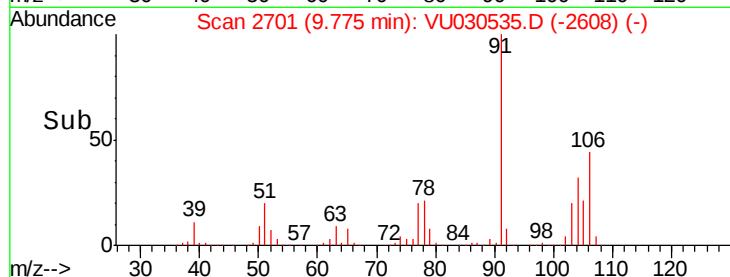
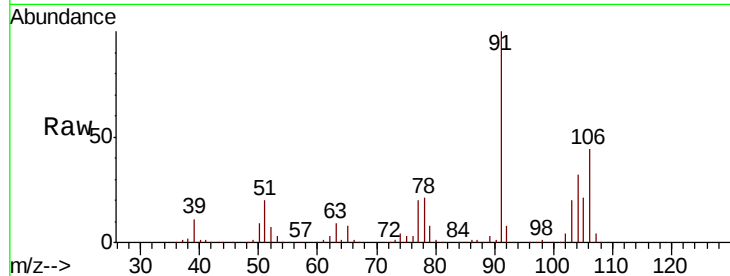




#54
o-Xylene
Concen: 22.119 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030535.D
Acq: 29 Mar 2019 10:41

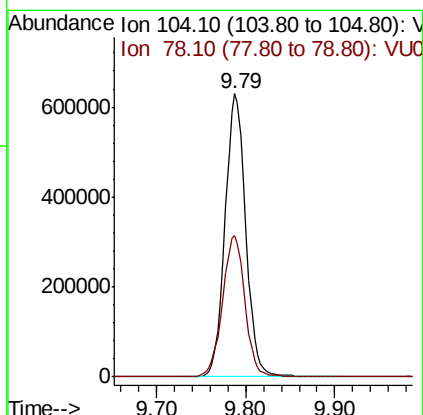
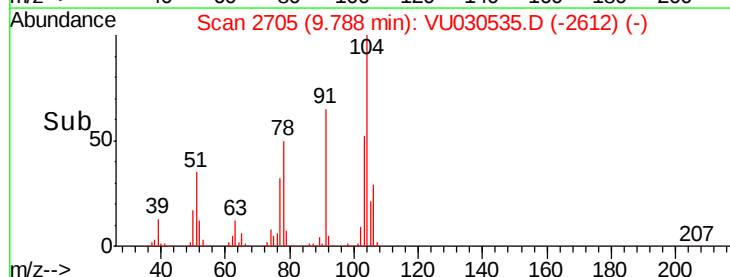
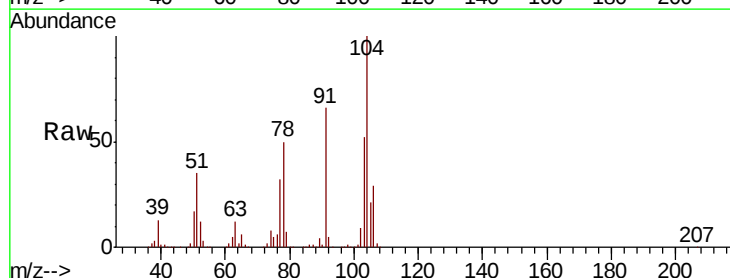
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

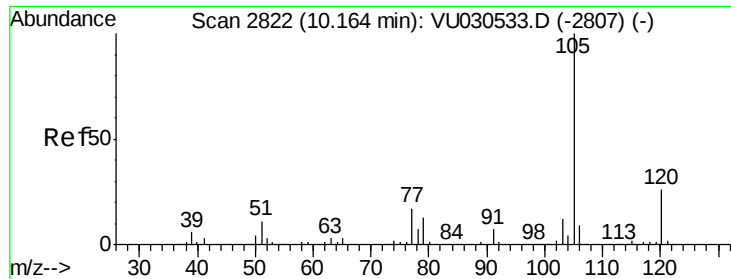
Tot Ion:106 Resp: 583127
Ion Ratio Lower Upper
106 100
91 228.9 161.3 299.7



#55
Styrene
Concen: 22.757 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU030535.D
Acq: 29 Mar 2019 10:41

Tgt Ion:104 Resp: 1012195
Ion Ratio Lower Upper
104 100
78 50.1 34.4 63.8





#56

Isopropylbenzene

Concen: 22.288 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

VSTD02005

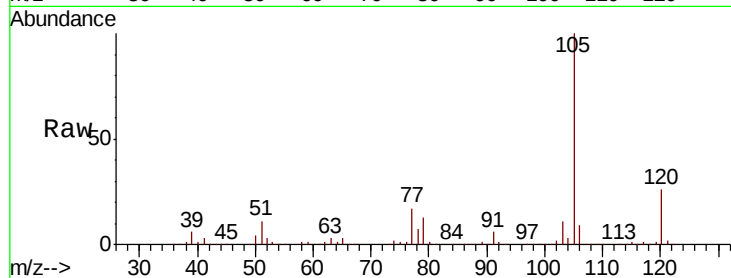
Tot Ion:105 Resp: 1569673

Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

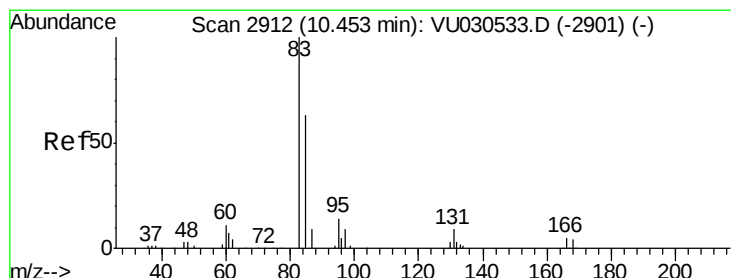
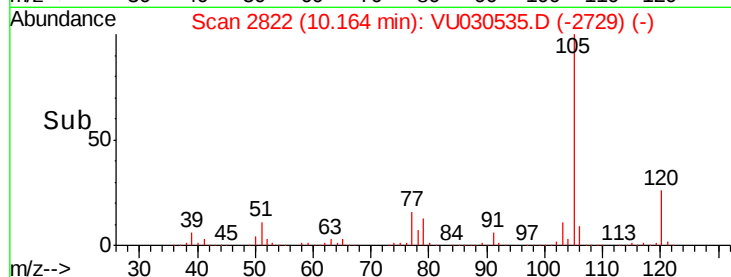
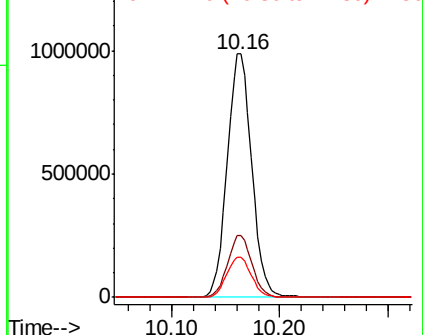
77 16.6 13.8 20.8



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: 20.352 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

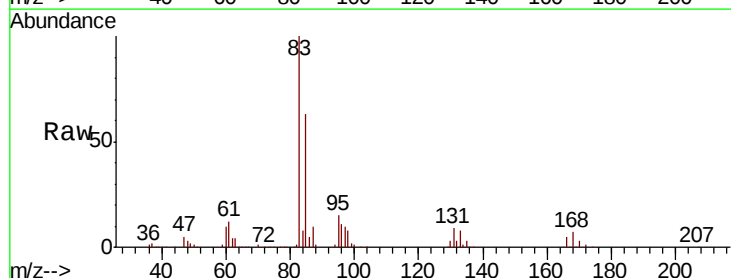
Tgt Ion: 83 Resp: 319471

Ion Ratio Lower Upper

83 100

85 62.8 44.4 82.5

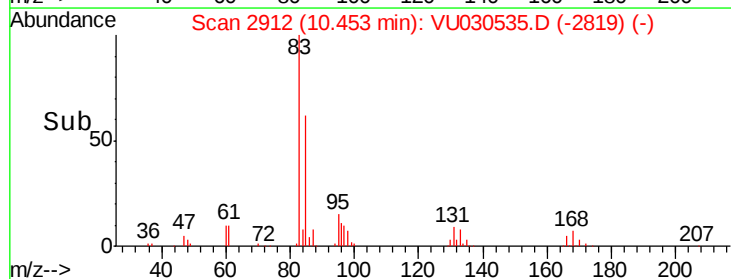
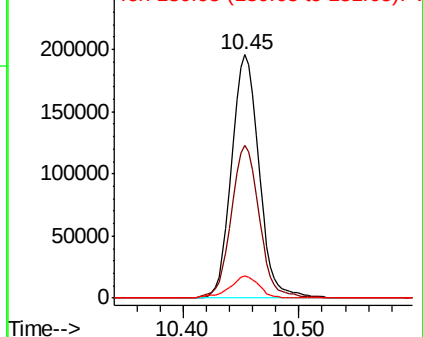
131 8.9 7.4 11.2

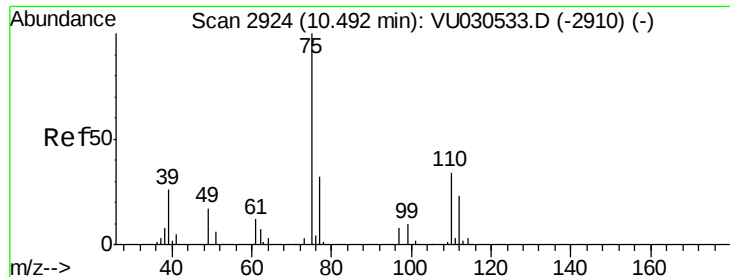


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

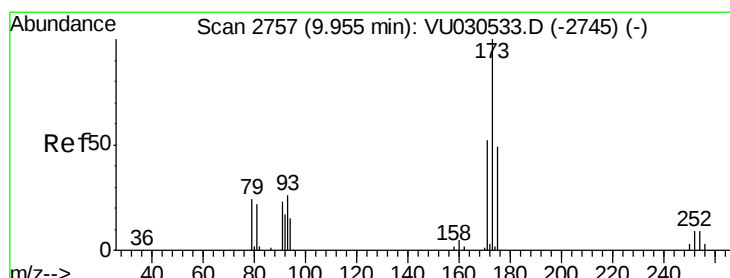
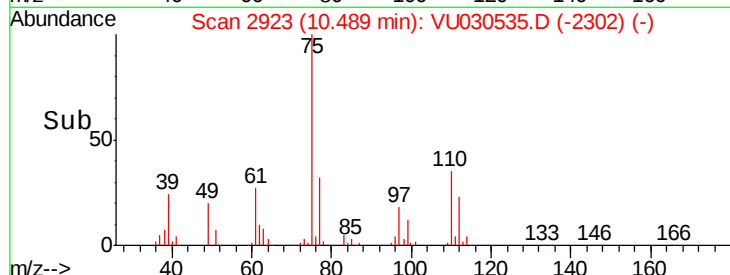
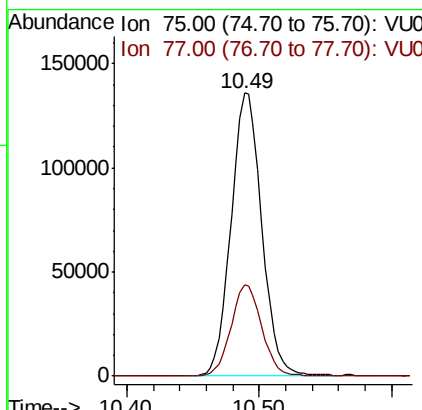
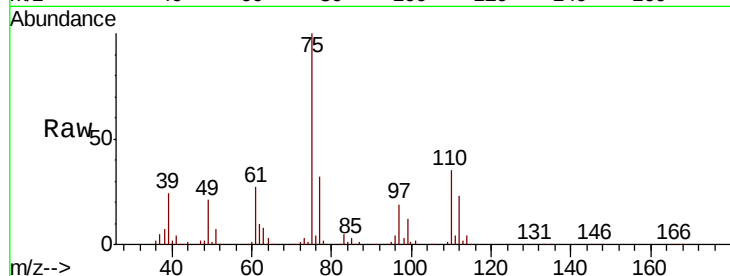




#59
 1,2,3-Trichloropropane
 Concen: 19.779 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU030535.D
 Acq: 29 Mar 2019 10:41

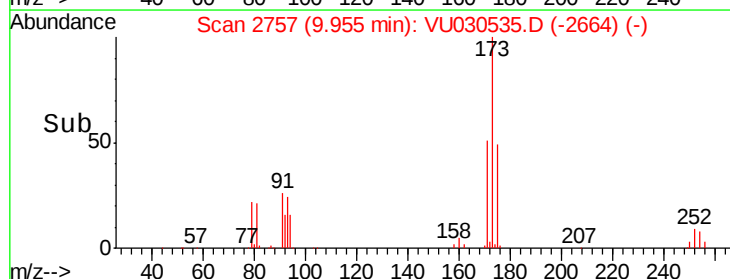
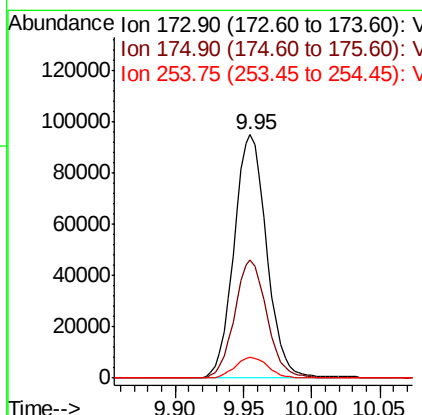
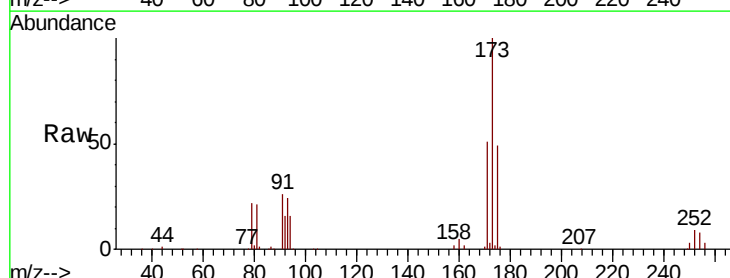
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

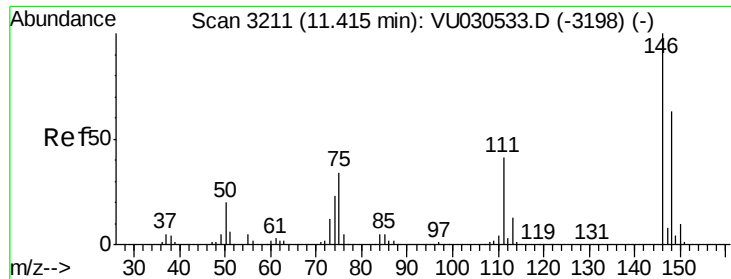
Tot Ion: 75 Resp: 218842
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.6 38.4



#61
 Bromoform
 Concen: 19.647 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU030535.D
 Acq: 29 Mar 2019 10:41

Tgt Ion: 173 Resp: 157894
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.6 58.0
 254 8.7 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 19.809 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

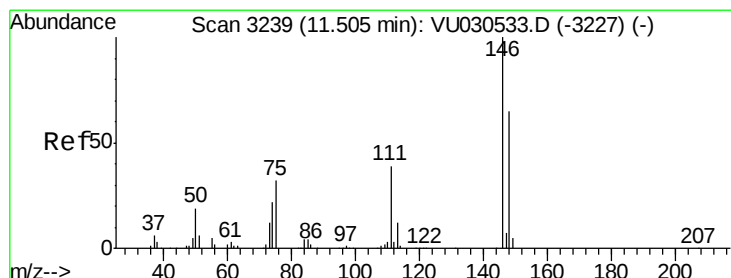
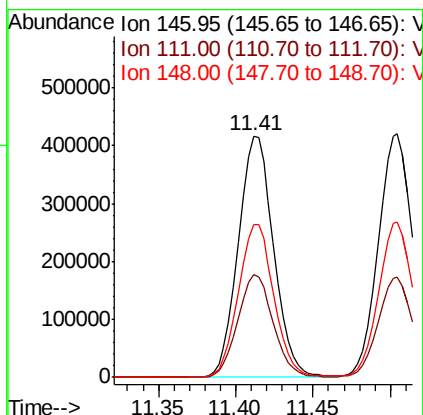
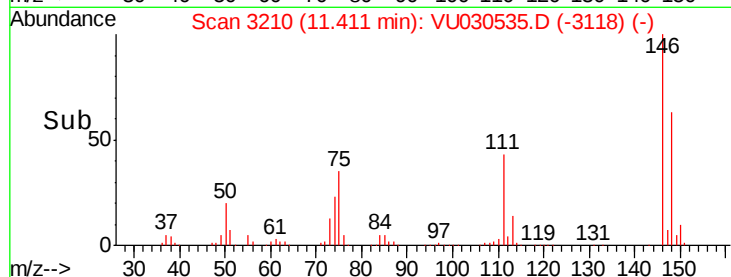
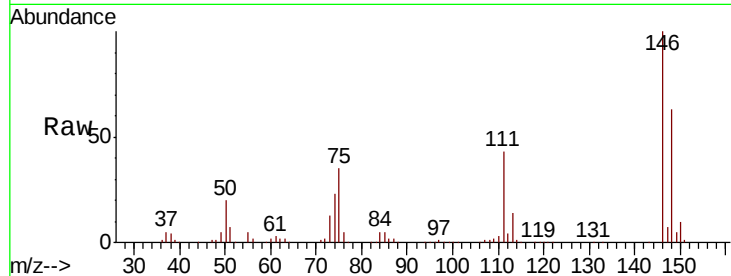
Tot Ion:146 Resp: 663324

Ion Ratio Lower Upper

146 100

111 42.6 28.9 53.7

148 63.4 44.4 82.4



#63

1,4-Dichlorobenzene

Concen: 19.065 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

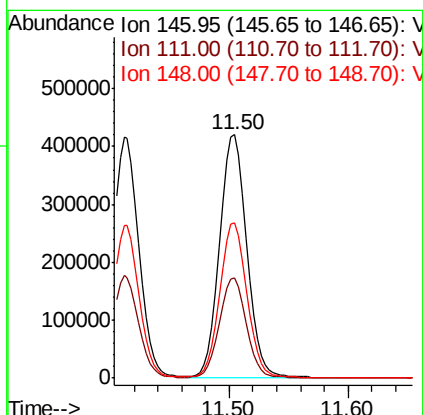
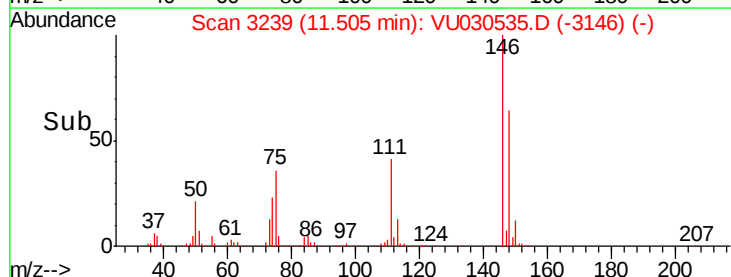
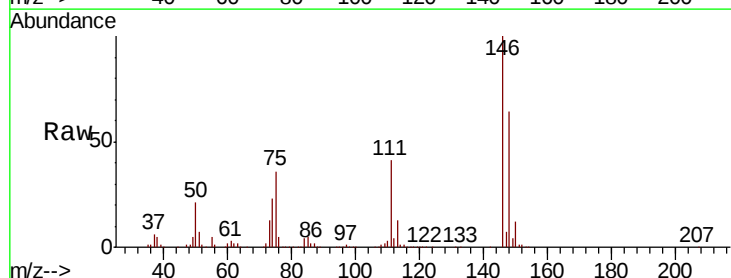
Tgt Ion:146 Resp: 669213

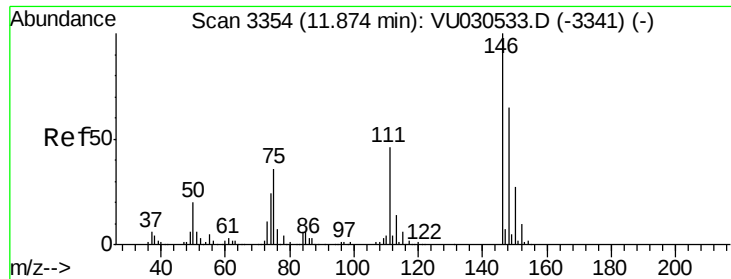
Ion Ratio Lower Upper

146 100

111 41.1 27.9 51.9

148 64.0 45.4 84.4

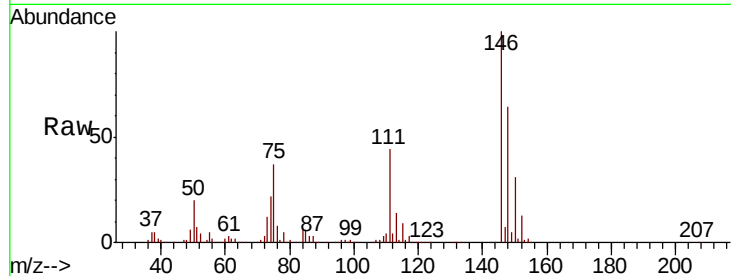




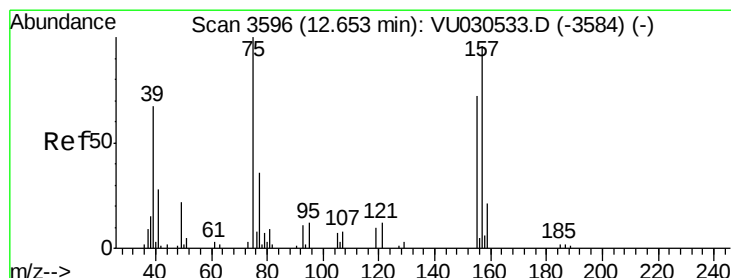
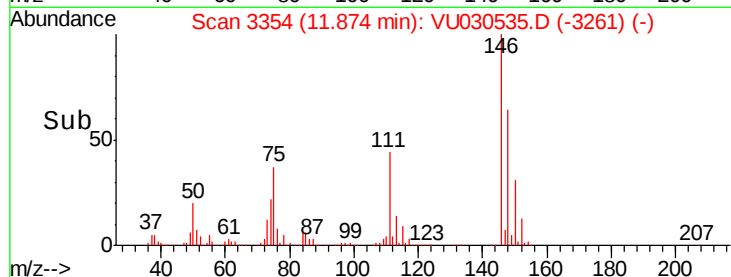
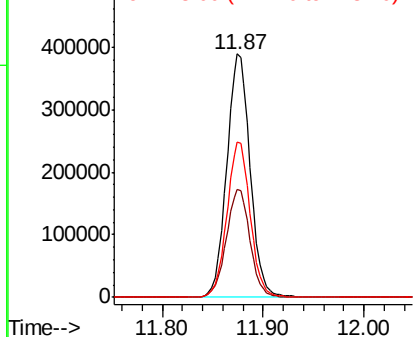
#65
 1,2-Dichlorobenzene
 Concen: 19.279 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030535.D
 Acq: 29 Mar 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tot Ion:146 Resp: 628170
 Ion Ratio Lower Upper
 146 100
 111 44.2 37.1 55.7
 148 64.0 51.8 77.8

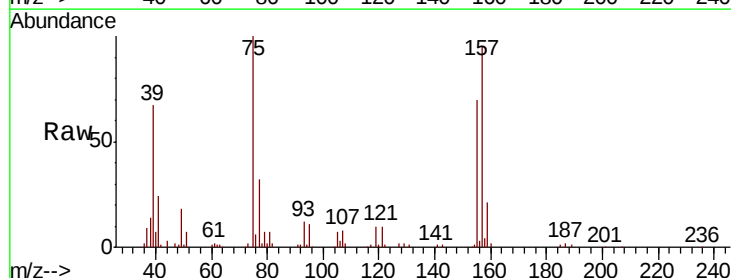


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

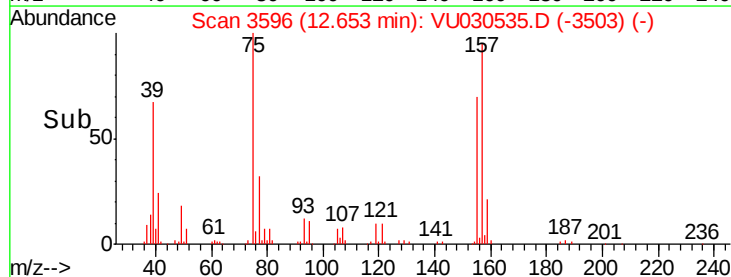
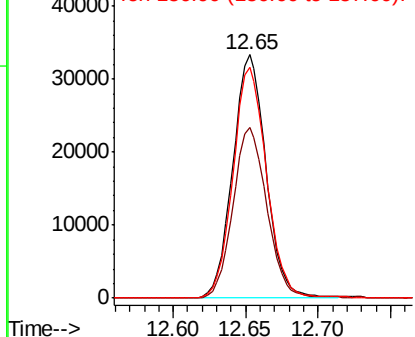


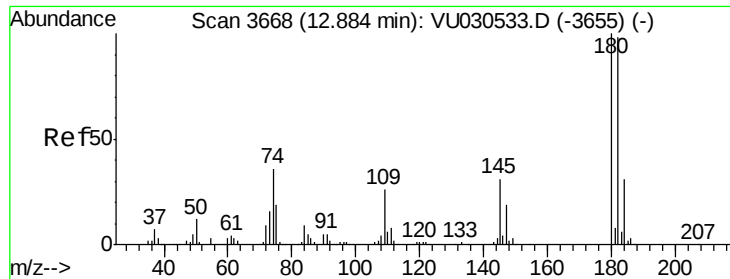
#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.021 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030535.D
 Acq: 29 Mar 2019 10:41

Tgt Ion: 75 Resp: 52998
 Ion Ratio Lower Upper
 75 100
 155 70.2 57.7 86.5
 157 94.6 76.9 115.3



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

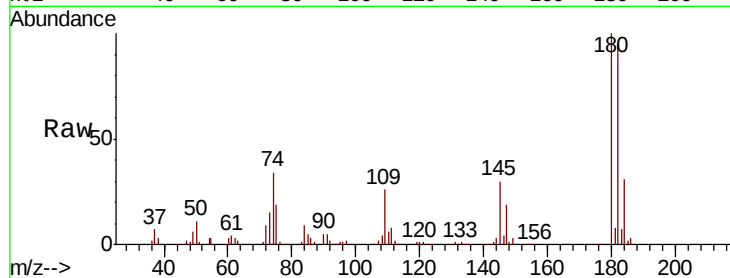




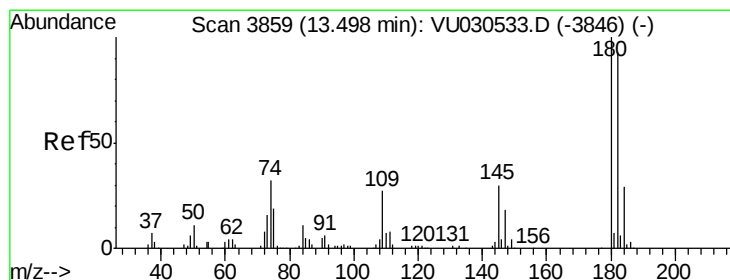
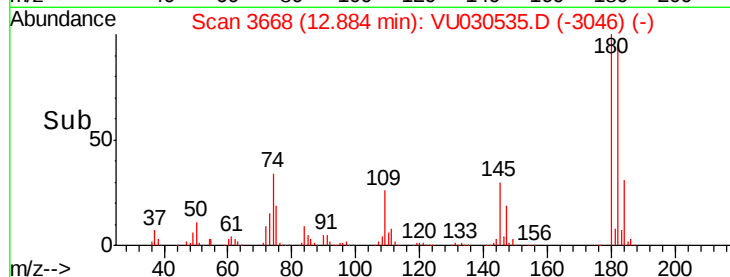
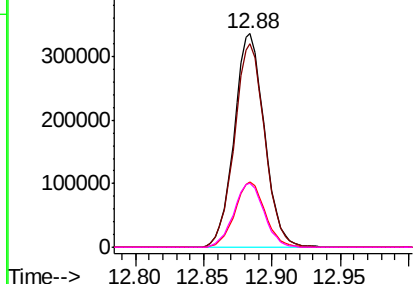
#67
 1,3,5-Trichlorobenzene
 Concen: 20.734 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030535.D
 Acq: 29 Mar 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tot Ion:180	Resp:	518037
Ion	Ratio	Lower Upper
180	100	
182	95.7	76.2 114.2
184	30.4	24.2 36.2
145	30.1	24.1 36.1

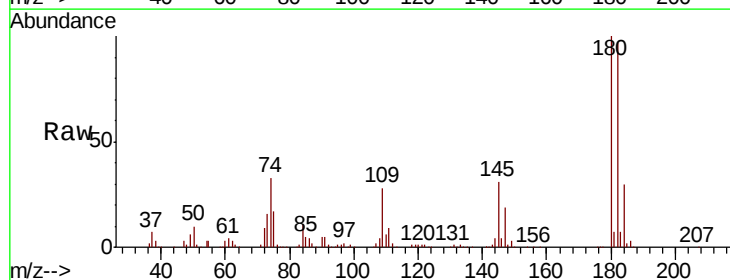


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

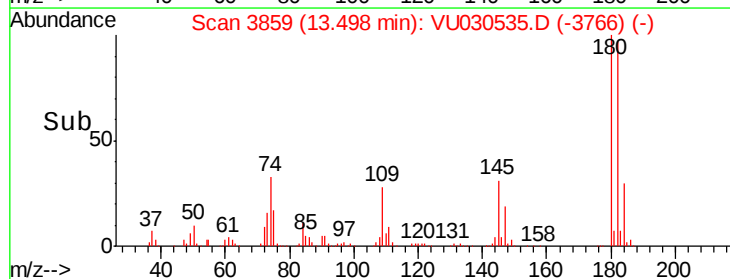
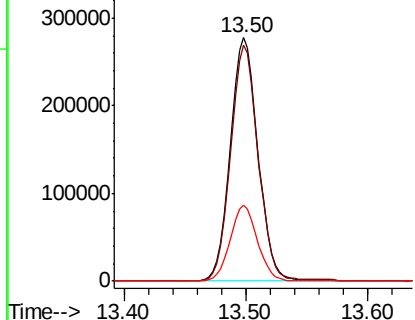


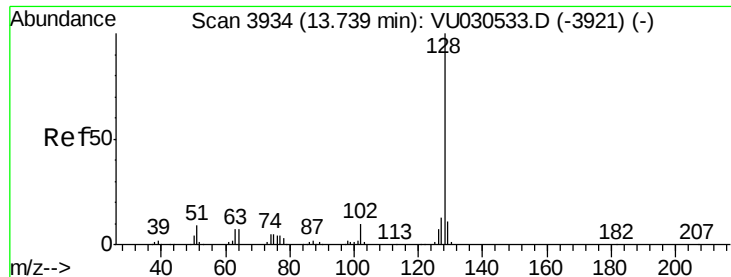
#68
 1,2,4-trichlorobenzene
 Concen: 22.795 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030535.D
 Acq: 29 Mar 2019 10:41

Tgt Ion:180	Resp:	439872
Ion	Ratio	Lower Upper
180	100	
182	96.6	74.6 111.8
145	30.7	23.6 35.4



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





#69

Naphthalene

Concen: 25.199 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

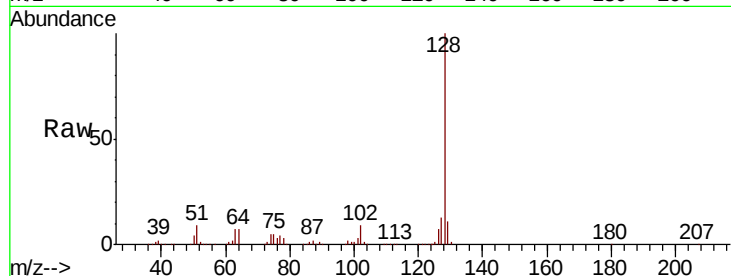
Tot Ion:128 Resp: 780861

Ion Ratio Lower Upper

128 100

129 10.8 8.3 12.5

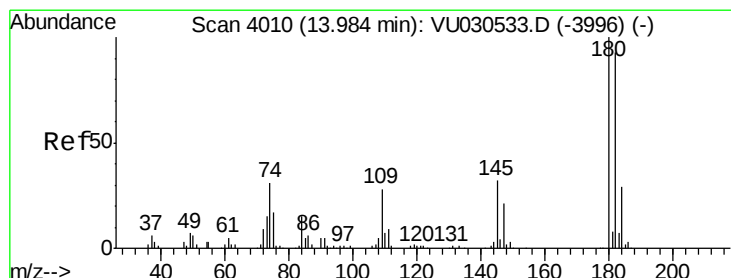
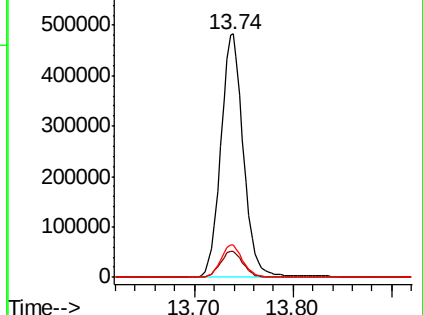
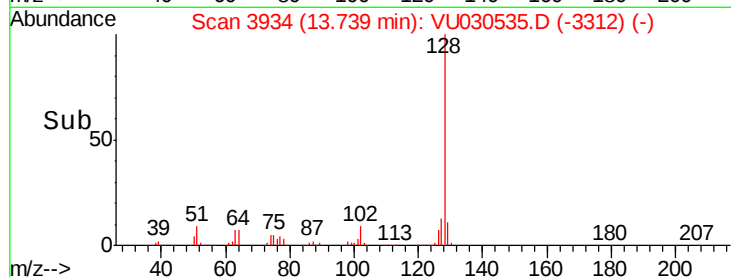
127 13.1 10.5 15.7



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: 22.590 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030535.D

Acq: 29 Mar 2019 10:41

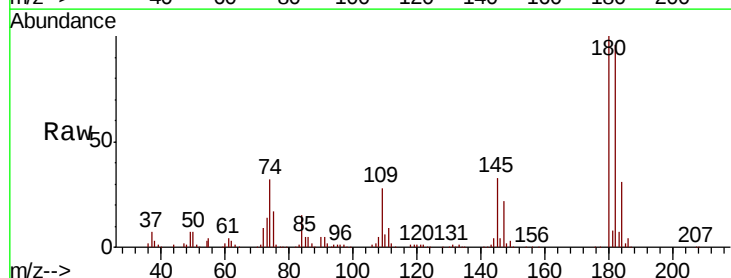
Tgt Ion:180 Resp: 406228

Ion Ratio Lower Upper

180 100

182 95.8 76.8 115.2

145 32.7 26.7 40.1



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

