

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042919\
 Data File : VU031599.D
 Acq On : 29 Apr 2019 20:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Apr 30 02:00:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 01:54:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	683527	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	689202	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	295316	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	252743	44.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.36%
7) Chloroethane-d5	1.68	69	200971	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.92%
11) 1,1-Dichloroethene-d2	2.27	63	540466	47.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.88%
21) 2-Butanone-d5	4.18	46	608983	117.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.49%
24) Chloroform-d	4.64	84	524180	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.06%
26) 1,2-Dichloroethane-d4	5.31	65	354368	51.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.54%
32) Benzene-d6	5.34	84	988964	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
36) 1,2-Dichloropropane-d6	6.32	67	354884	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.32%
41) Toluene-d8	7.56	98	852834	46.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.54%
43) trans-1,3-Dichloropropene-	7.85	79	149771	46.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.72%
47) 2-Hexanone-d5	8.31	63	345876	107.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	496198	49.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	294651	47.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	357558	47.571 ug/L	99
3) Chloromethane	1.32	50	451914	49.693 ug/L	99
5) Vinyl chloride	1.40	62	417087	49.056 ug/L	99
6) Bromomethane	1.63	94	207042	46.176 ug/L	100
8) Chloroethane	1.70	64	231252	49.758 ug/L	96
9) Trichlorofluoromethane	1.88	101	469015	48.390 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	257706	47.035 ug/L	96
12) 1,1-Dichloroethene	2.28	96	257424	48.270 ug/L	99
13) Acetone	2.34	43	460859	78.935 ug/L	98
14) Carbon disulfide	2.48	76	830296	46.918 ug/L	99
15) Methyl Acetate	2.62	43	476793	53.971 ug/L	99
16) Methylene chloride	2.70	84	315447	50.122 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	267554	48.148 ug/L	96
18) Methyl tert-butyl Ether	3.00	73	943533	53.295 ug/L	100
19) 1,1-Dichloroethane	3.44	63	606573	51.831 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	301490	50.579 ug/L	91
22) 2-Butanone	4.27	43	687719	106.320 ug/L	99

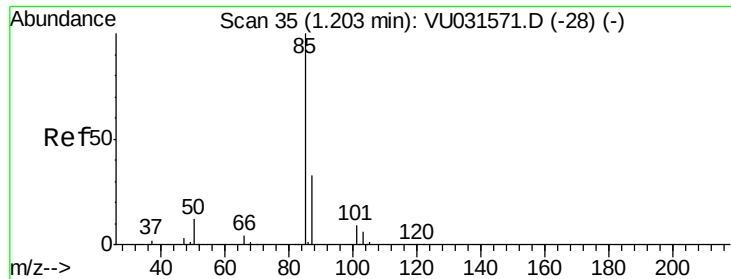
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042919\
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 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 01:54:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	142352	49.147	ug/L	96
25) Chloroform	4.67	83	564963	50.484	ug/L	99
27) 1,2-Dichloroethane	5.40	62	471084	51.825	ug/L	97
29) Cyclohexane	4.99	56	536903	49.222	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	460673	47.706	ug/L	98
31) Carbon tetrachloride	5.13	117	387264	46.920	ug/L	99
33) Benzene	5.39	78	1232877	48.655	ug/L	100
34) Trichloroethene	6.18	95	302640	49.271	ug/L	94
35) Methylcyclohexane	6.41	83	442073	48.024	ug/L	97
37) 1,2-Dichloropropane	6.43	63	367058	51.026	ug/L	99
38) Bromodichloromethane	6.75	83	428105	49.083	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	491887	51.748	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1199777	108.404	ug/L	98
42) Toluene	7.63	91	1236512	48.988	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	431556	50.056	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	290987	49.067	ug/L	96
46) Tetrachloroethene	8.22	164	189582	45.274	ug/L	96
48) 2-Hexanone	8.36	43	969060	108.258	ug/L	98
49) Dibromochloromethane	8.47	129	294850	47.784	ug/L	97
50) 1,2-Dibromoethane	8.58	107	308958	49.328	ug/L	97
51) Chlorobenzene	9.12	112	716692	48.049	ug/L	97
52) Ethylbenzene	9.25	91	1307552	49.939	ug/L	100
53) m,p-Xylene	9.37	106	462915	50.744	ug/L	99
54) o-xylene	9.77	106	459328	50.788	ug/L	99
55) Styrene	9.79	104	802684	51.949	ug/L	97
56) Isopropylbenzene	10.16	105	1208149	50.801	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	525421	49.929	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	428097	50.194	ug/L	98
61) Bromoform	9.95	173	201569	46.046	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	485256	49.640	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	493458	48.742	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	510424	49.130	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	123297	51.134	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	340536	46.511	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	288159	49.714	ug/L	98
69) Naphthalene	13.74	128	1075178	54.405	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	324966	49.244	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 47.571 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

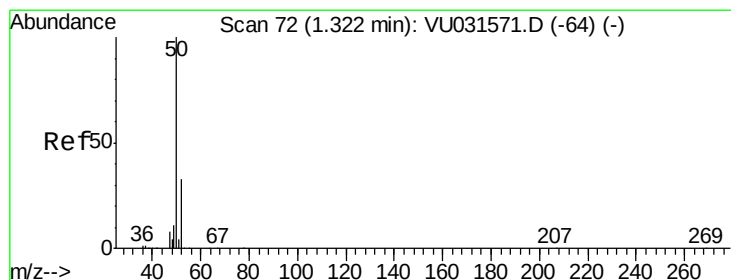
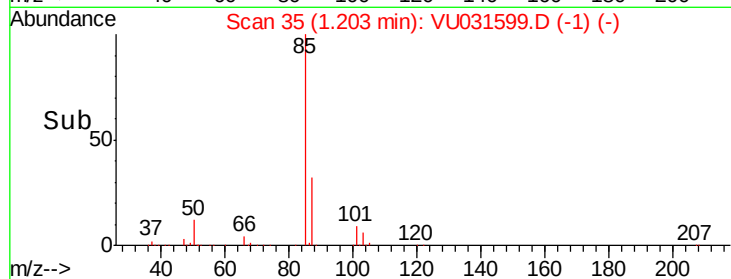
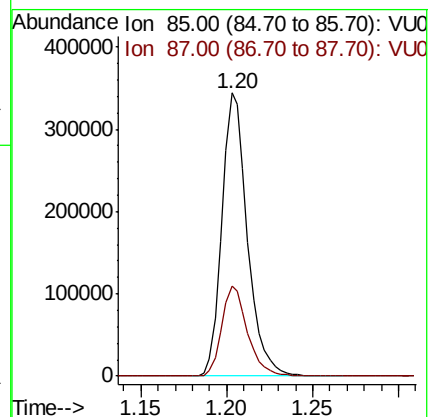
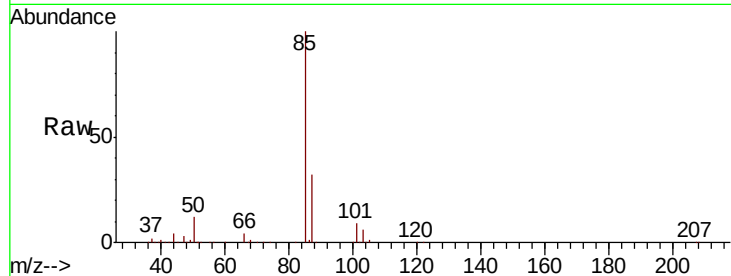
VSTD05053

Tgt Ion: 85 Resp: 357558

Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.0



#3

Chloromethane

Concen: 49.693 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031599.D

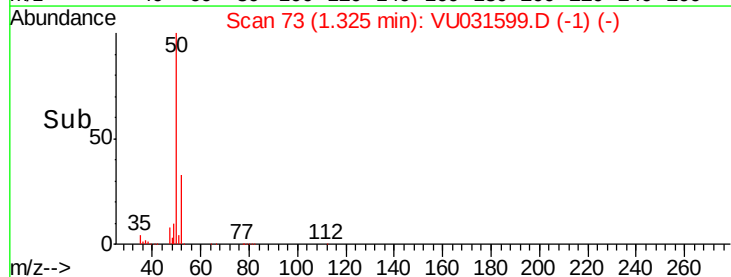
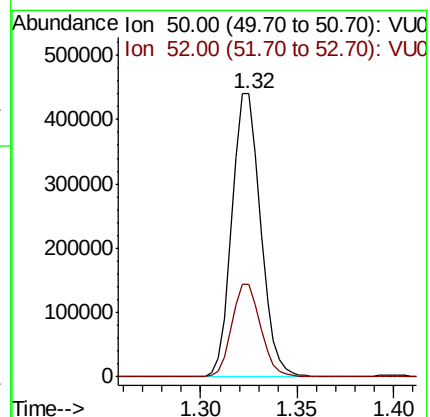
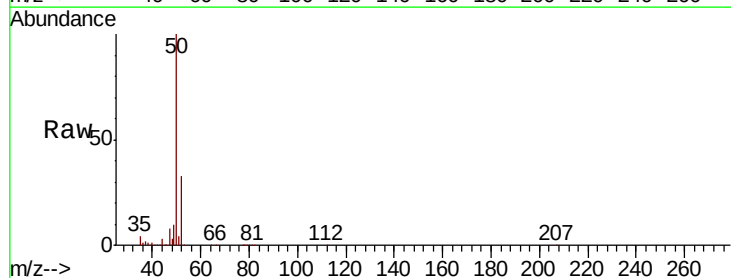
Acq: 29 Apr 2019 20:34

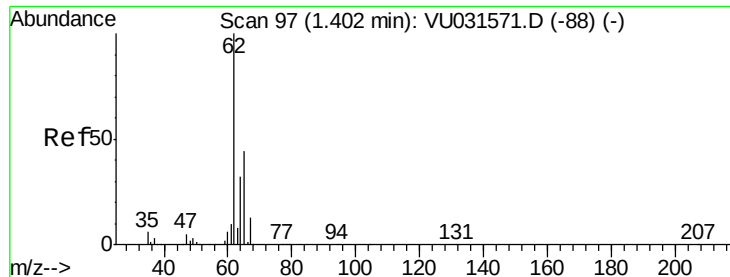
Tgt Ion: 50 Resp: 451914

Ion Ratio Lower Upper

50 100

52 32.7 22.6 42.0





#5

Vinyl chloride

Concen: 49.056 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

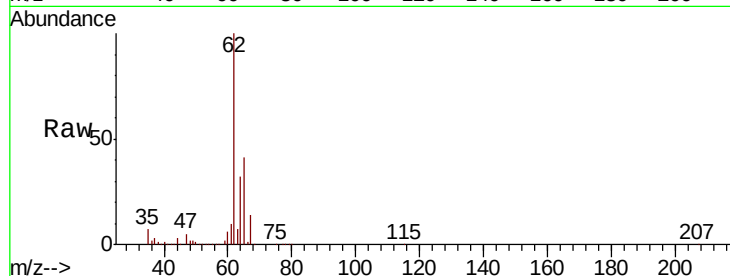
VSTD05053

Tgt Ion: 62 Resp: 417087

Ion Ratio Lower Upper

62 100

64 32.2 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031571.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU031571.D (-88) (-)

1.40

400000

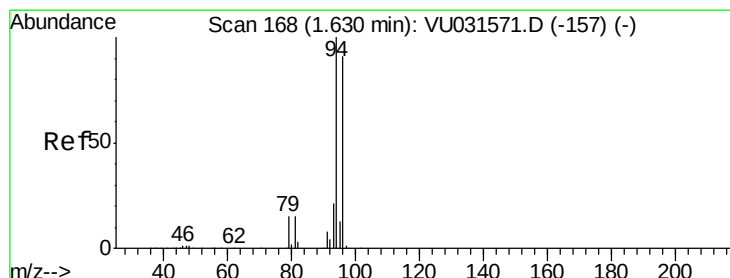
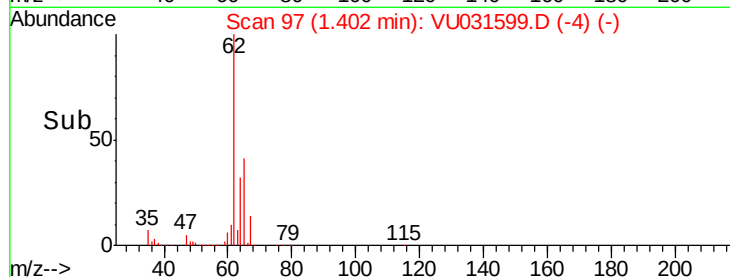
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200000

100000

0

Time-->



#6

Bromomethane

Concen: 46.176 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031599.D

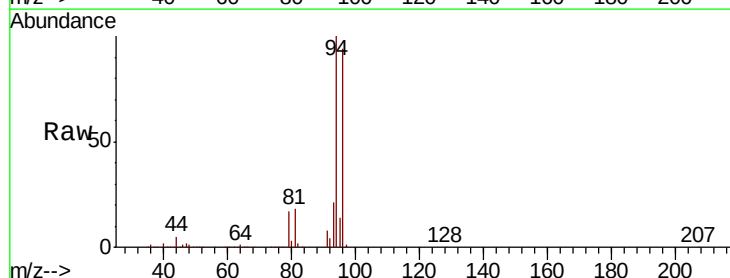
Acq: 29 Apr 2019 20:34

Tgt Ion: 94 Resp: 207042

Ion Ratio Lower Upper

94 100

96 94.4 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU031571.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU031571.D (-157) (-)

1.63

200000

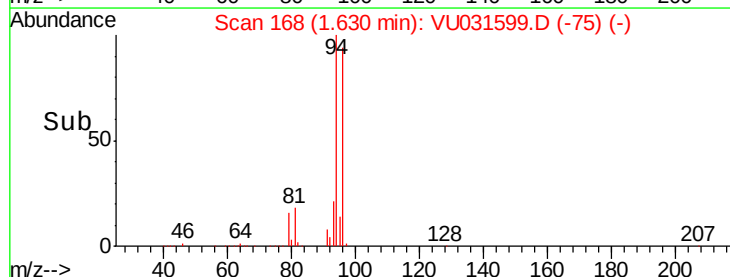
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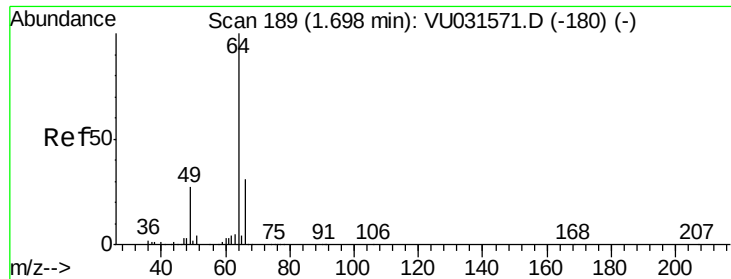
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50000

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Time-->





#8

Chloroethane

Concen: 49.758 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

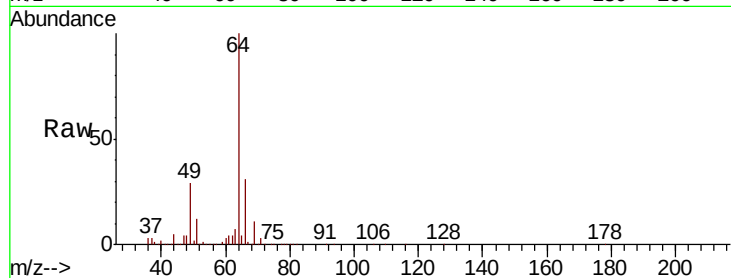
VSTD05053

Tgt Ion: 64 Resp: 231252

Ion Ratio Lower Upper

64 100

66 30.7 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VU031571.D (-180) (-)

Ion 66.00 (65.70 to 66.70): VU031571.D (-180) (-)

1.70

200000

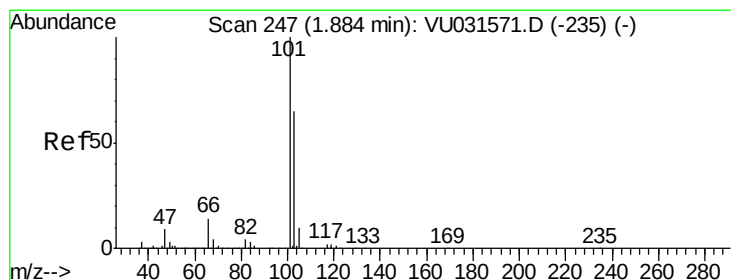
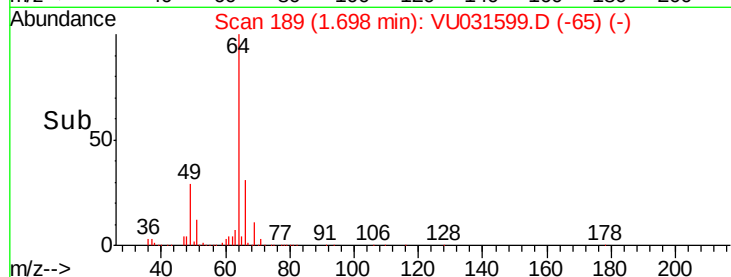
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 48.390 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU031599.D

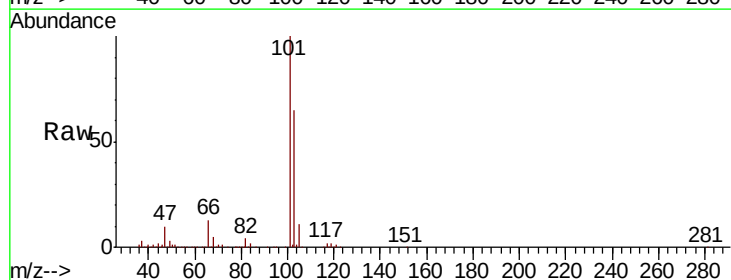
Acq: 29 Apr 2019 20:34

Tgt Ion: 101 Resp: 469015

Ion Ratio Lower Upper

101 100

103 64.5 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VU031571.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU031571.D (-235) (-)

1.88

400000

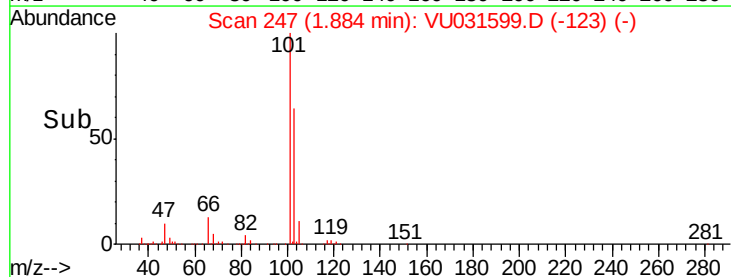
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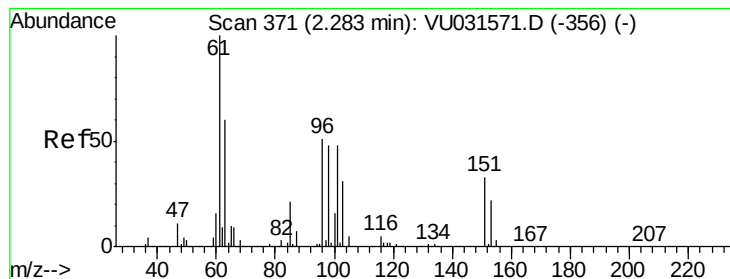
200000

100000

0

Time-->





#10

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

Concen: 47.035 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

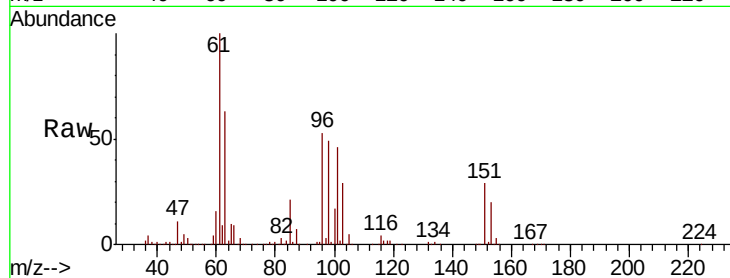
Tgt Ion: 101 Resp: 257706

Ion Ratio Lower Upper

101 100

85 46.7 36.1 54.1

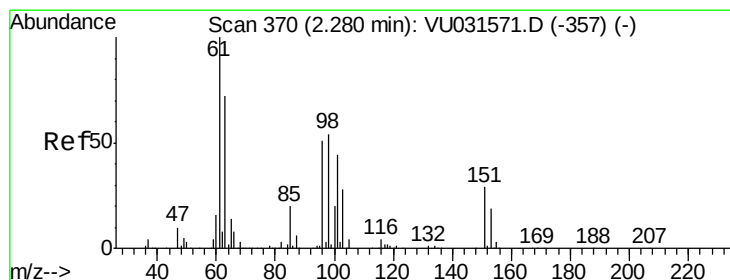
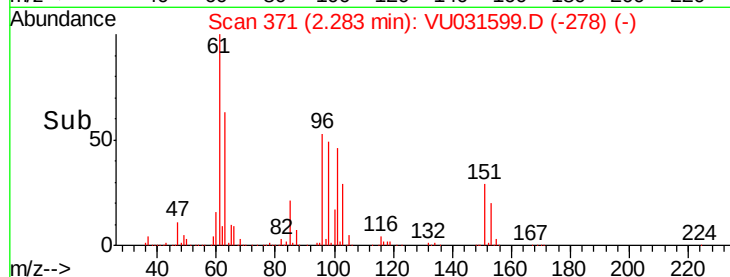
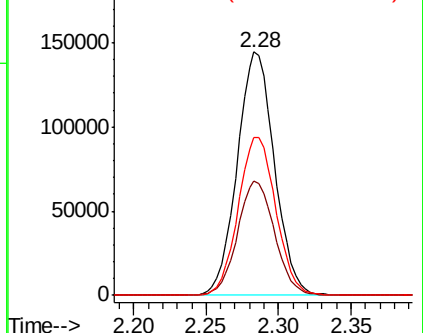
151 65.6 56.1 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.270 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

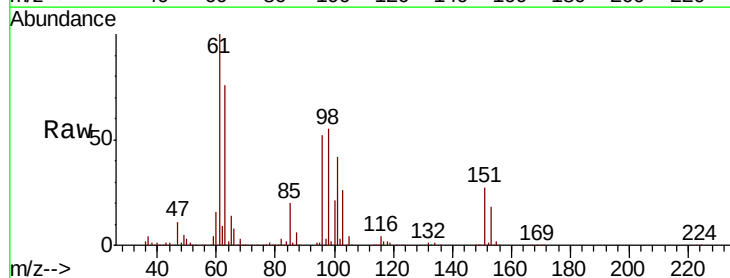
Tgt Ion: 96 Resp: 257424

Ion Ratio Lower Upper

96 100

61 192.2 135.0 250.6

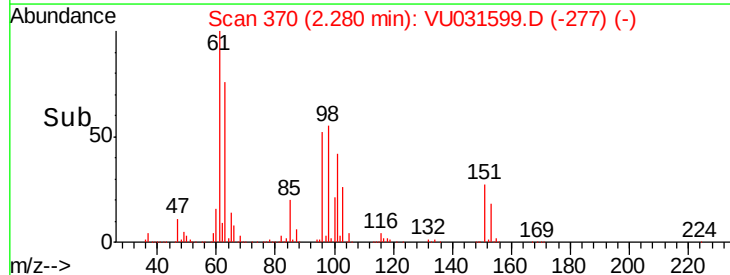
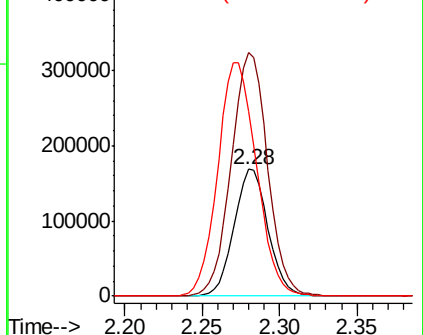
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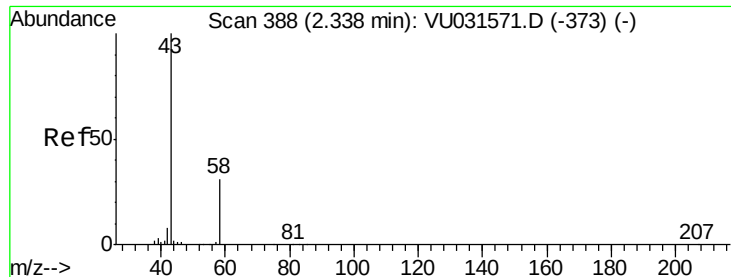


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 78.935 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

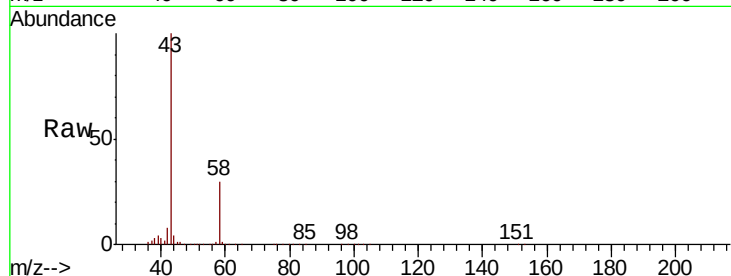
VSTD05053

Tgt Ion: 43 Resp: 460859

Ion Ratio Lower Upper

43 100

58 31.0 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031571.D (-373) (-)

Ion 58.00 (57.70 to 58.70): VU031571.D (-373) (-)

2.34

200000

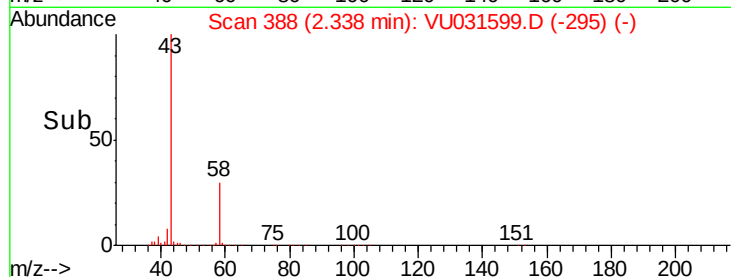
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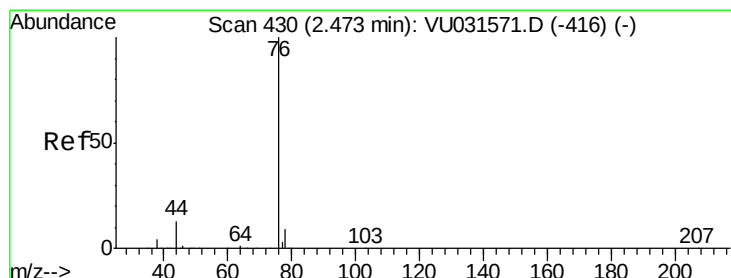
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Time-->



Time-->



#14

Carbon disulfide

Concen: 46.918 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031599.D

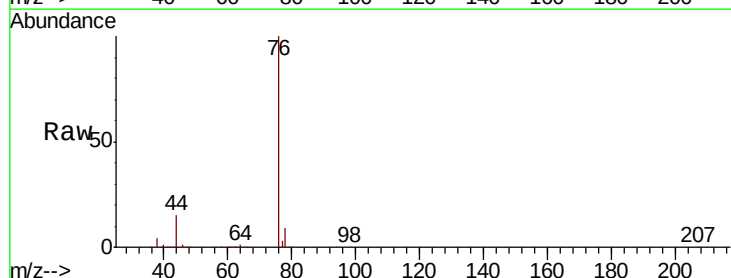
Acq: 29 Apr 2019 20:34

Tgt Ion: 76 Resp: 830296

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU031571.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031571.D (-416) (-)

2.48

600000

500000

400000

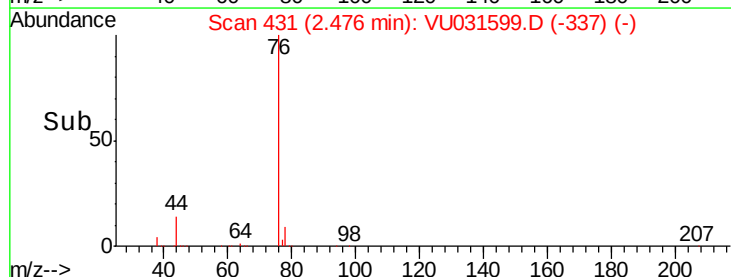
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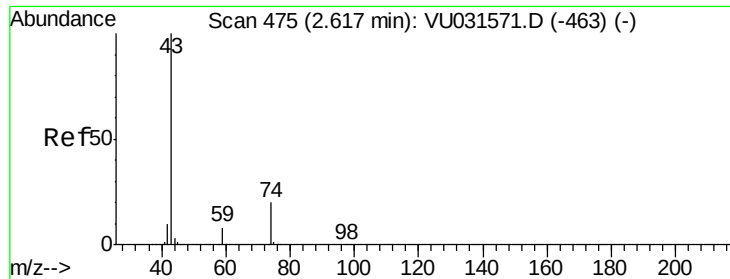
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Time-->



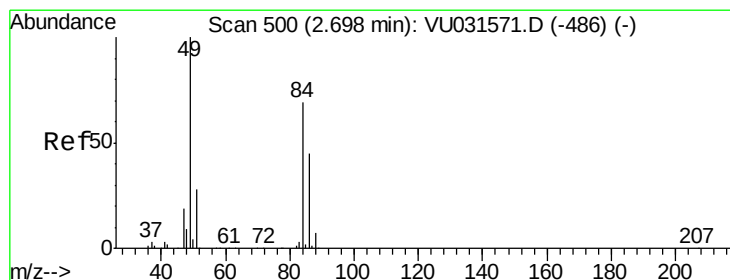
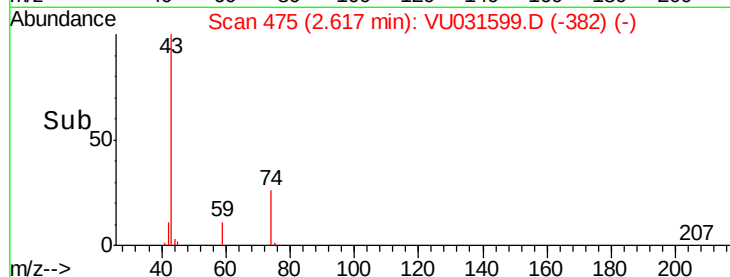
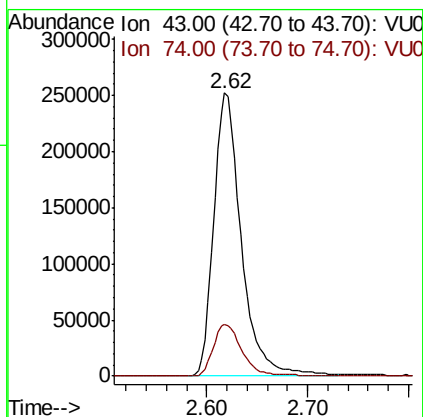
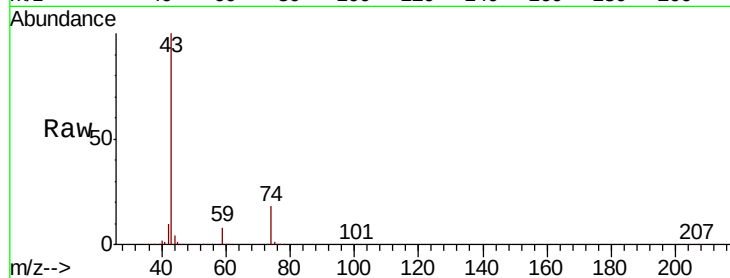
Time-->



#15
Methyl Acetate
Concen: 53.971 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU031599.D
Acq: 29 Apr 2019 20:34

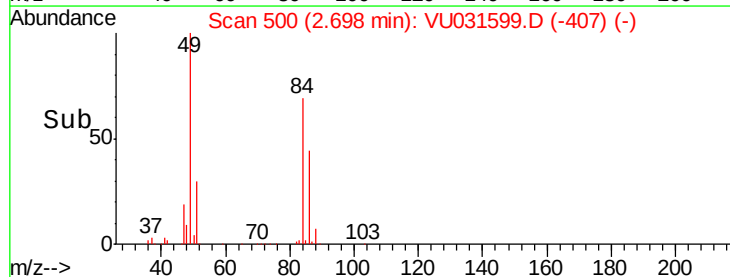
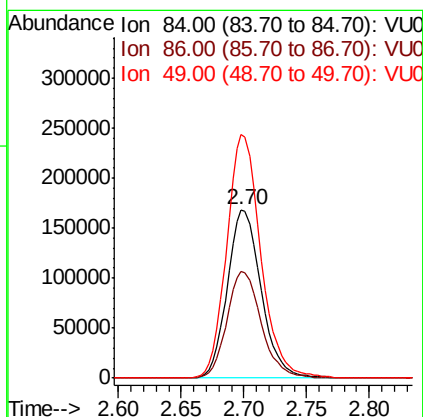
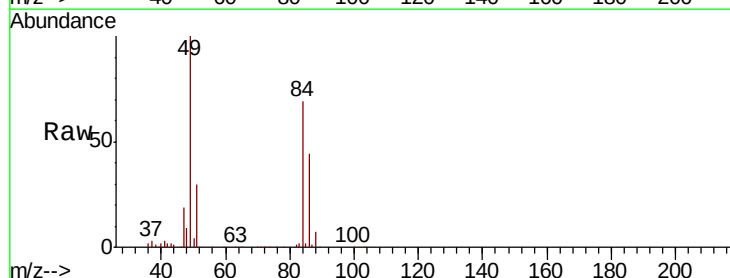
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

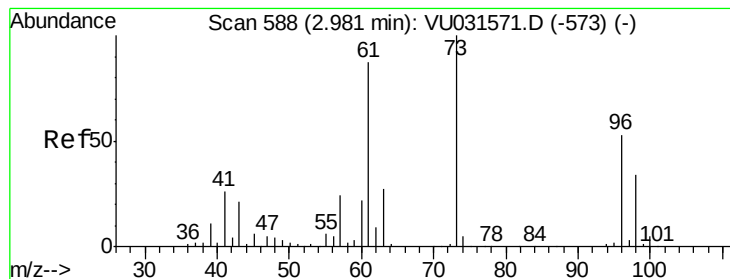
Tgt Ion: 43 Resp: 476793
Ion Ratio Lower Upper
43 100
74 18.9 15.7 23.5



#16
Methylene chloride
Concen: 50.122 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031599.D
Acq: 29 Apr 2019 20:34

Tgt Ion: 84 Resp: 315447
Ion Ratio Lower Upper
84 100
86 63.7 44.7 83.1
49 144.6 96.5 179.3





#17

trans-1,2-Dichloroethene

Concen: 48.148 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

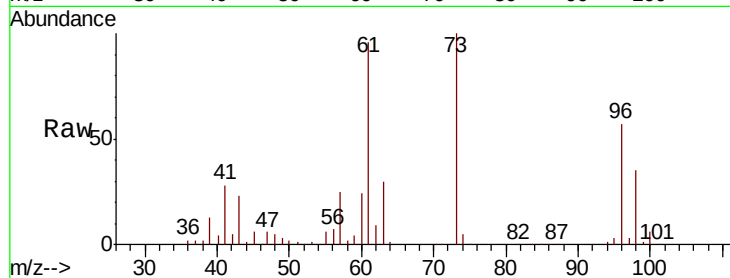
Tgt Ion: 96 Resp: 267554

Ion Ratio Lower Upper

96 100

61 169.1 114.5 212.7

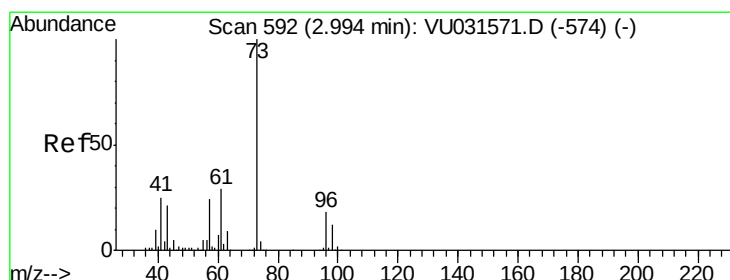
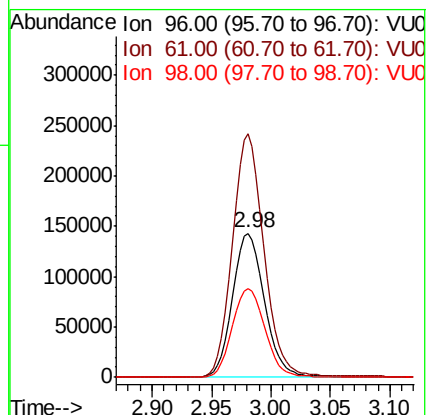
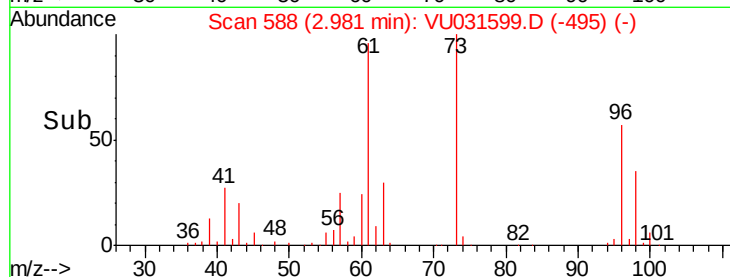
98 61.8 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU031571.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU031571.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU031571.D (-573) (-)



#18

Methyl tert-butyl Ether

Concen: 53.295 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

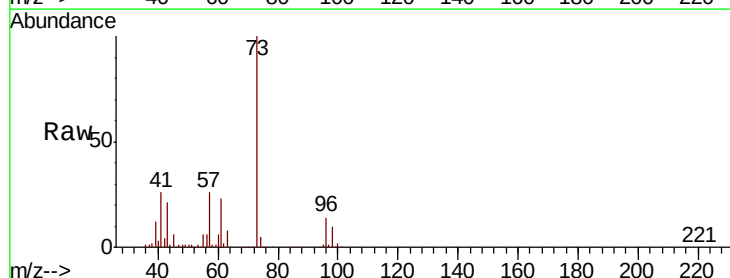
Tgt Ion: 73 Resp: 943533

Ion Ratio Lower Upper

73 100

43 21.5 17.0 25.4

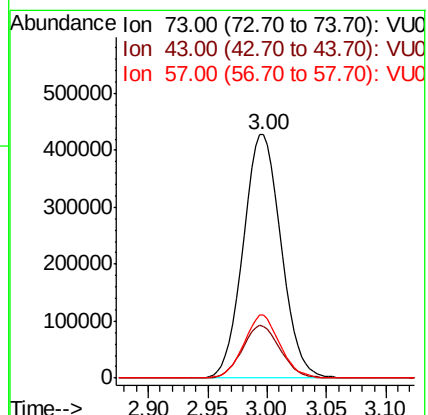
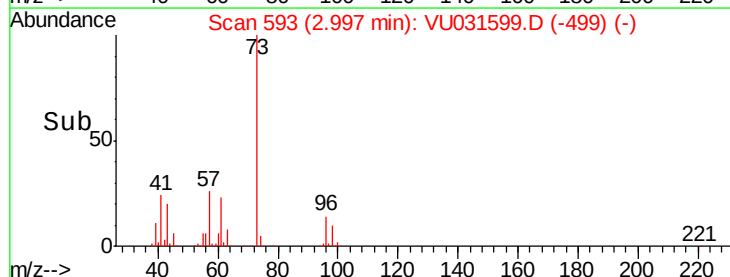
57 24.6 19.5 29.3

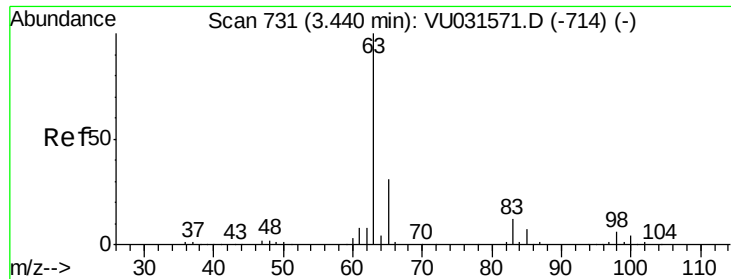


Abundance Ion 73.00 (72.70 to 73.70): VU031571.D (-574) (-)

Ion 43.00 (42.70 to 43.70): VU031571.D (-574) (-)

Ion 57.00 (56.70 to 57.70): VU031571.D (-574) (-)

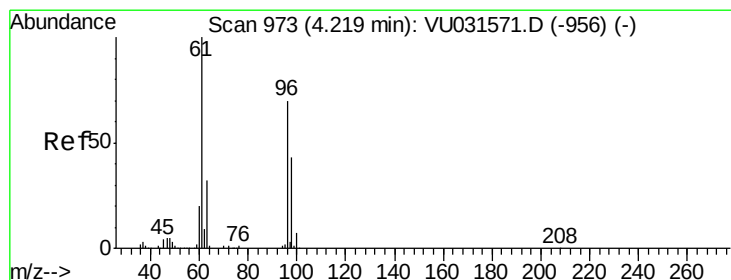
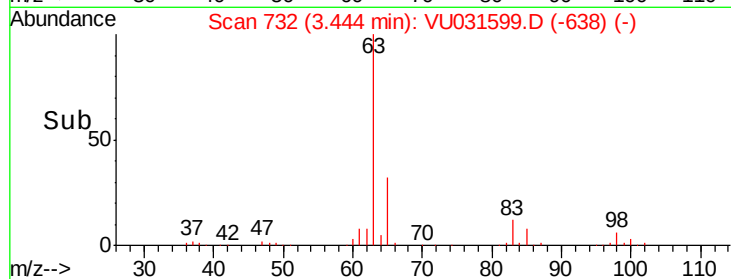
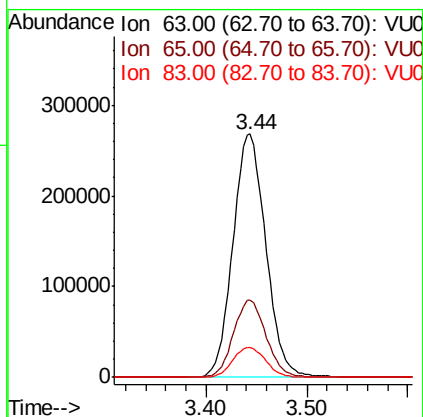
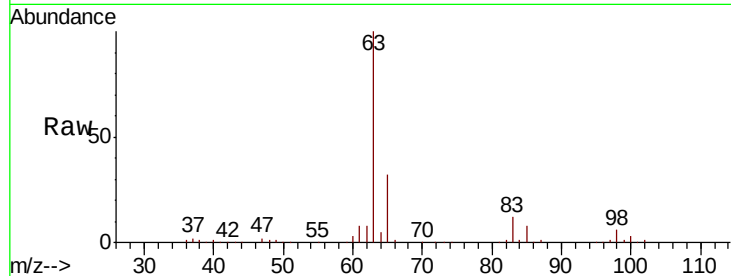




#19
 1,1-Dichloroethane
 Concen: 51.831 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

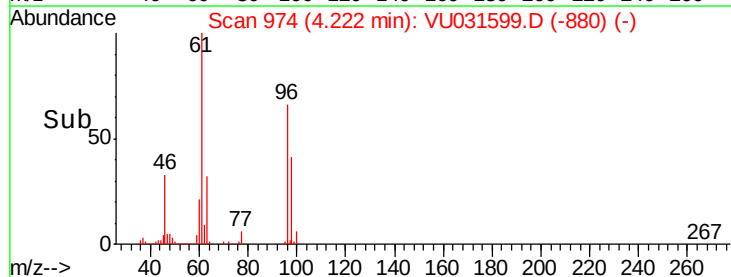
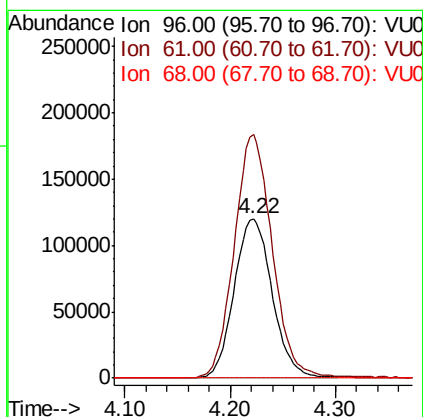
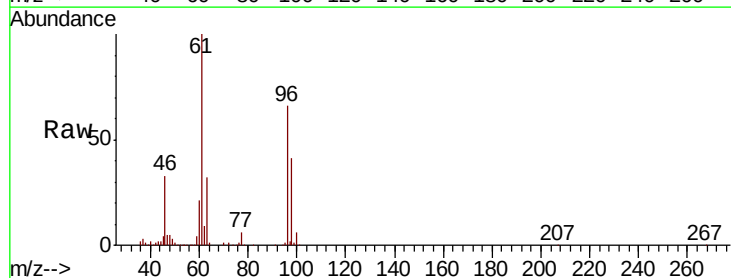
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

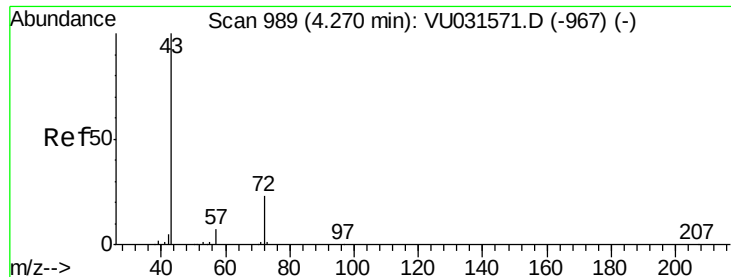
Tgt Ion: 63 Resp: 606573
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.0 40.8
 83 12.4 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 50.579 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

Tgt Ion: 96 Resp: 301490
 Ion Ratio Lower Upper
 96 100
 61 152.6 99.5 184.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 106.320 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

Instrument :

MSVOA_U

ClientSampled :

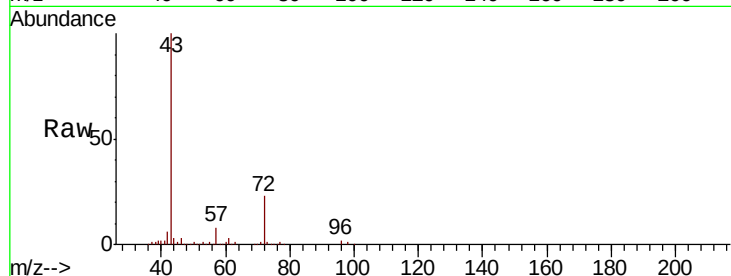
VSTD05053

Tgt Ion: 43 Resp: 687719

Ion Ratio Lower Upper

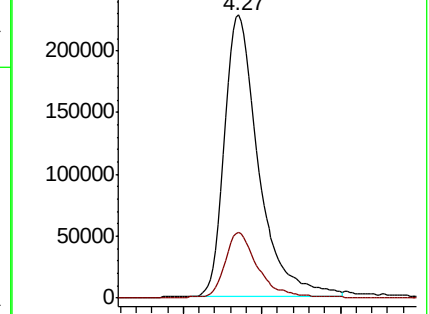
43 100

72 22.2 11.4 34.2

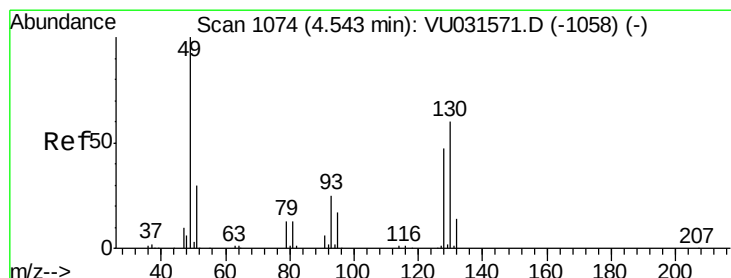
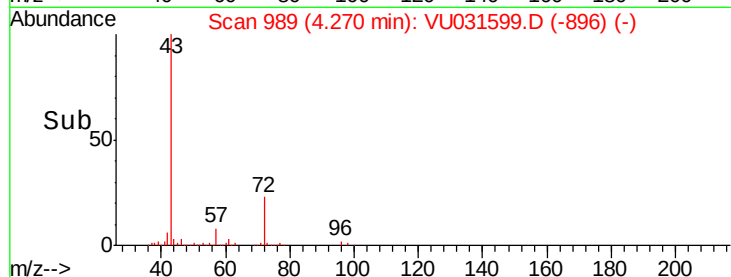


Abundance Ion 43.00 (42.70 to 43.70): VU031571.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU031571.D (-967) (-)



Time-->



#23

Bromochloromethane

Concen: 49.147 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

Tgt Ion: 128 Resp: 142352

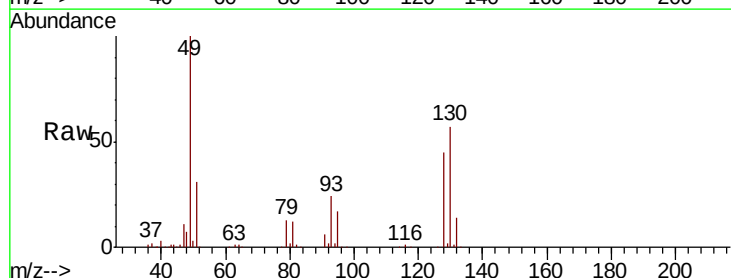
Ion Ratio Lower Upper

128 100

49 224.7 152.6 283.4

130 127.9 93.7 173.9

51 70.0 54.2 81.4

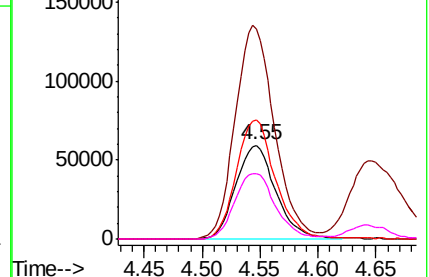


Abundance Ion 128.00 (127.70 to 128.70): VU031571.D (-1058) (-)

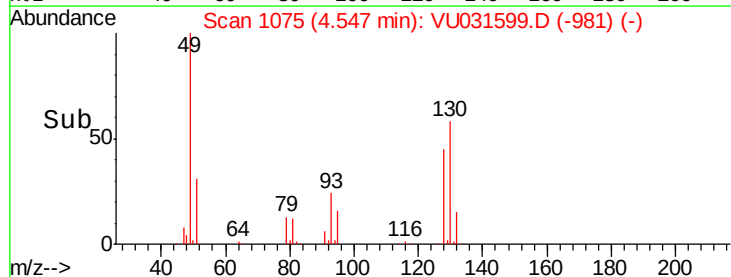
Ion 49.00 (48.70 to 49.70): VU031571.D (-1058) (-)

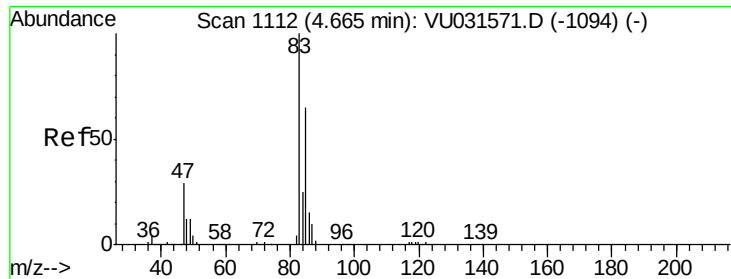
Ion 130.00 (129.70 to 130.70): VU031571.D (-1058) (-)

Ion 51.00 (50.70 to 51.70): VU031571.D (-1058) (-)



Time-->

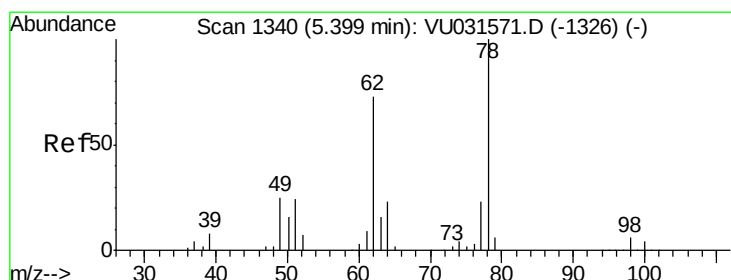
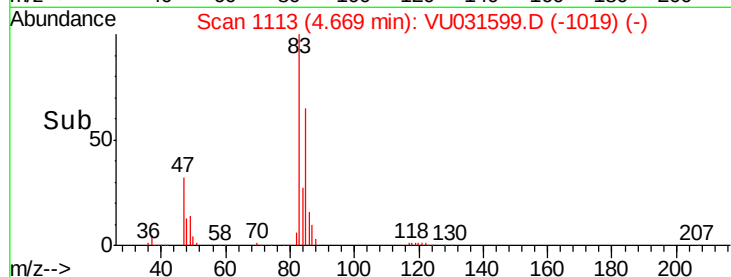
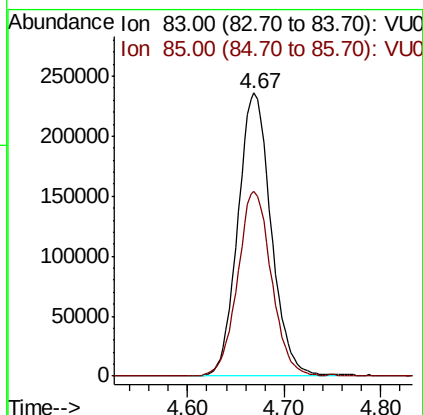
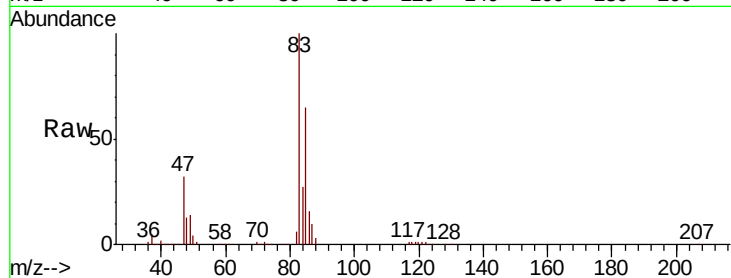




#25
Chloroform
Concen: 50.484 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031599.D
Acq: 29 Apr 2019 20:34

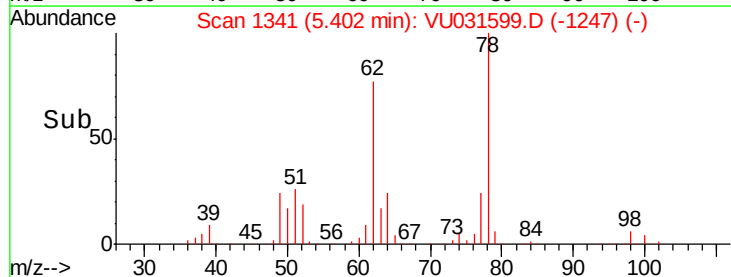
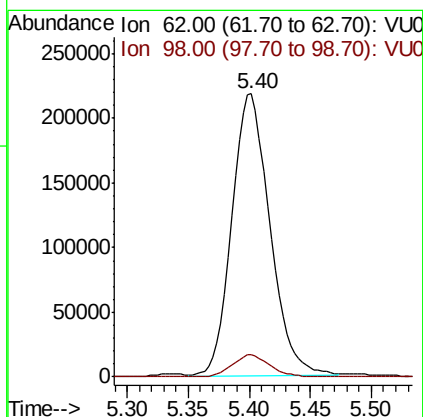
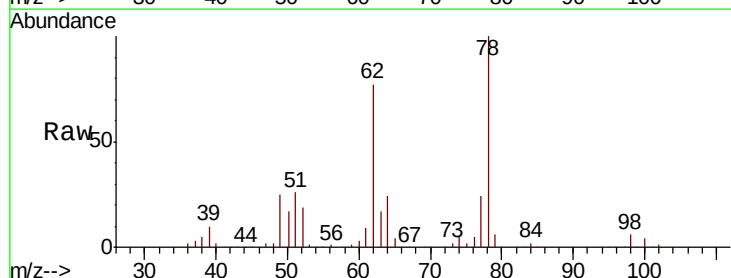
Instrument :
MSVOA_U
ClientSampled :
VSTD05053

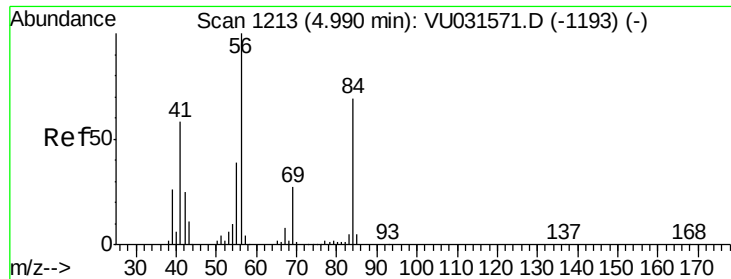
Tgt Ion: 83 Resp: 564963
Ion Ratio Lower Upper
83 100
85 65.2 44.9 83.3



#27
1,2-Dichloroethane
Concen: 51.825 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031599.D
Acq: 29 Apr 2019 20:34

Tgt Ion: 62 Resp: 471084
Ion Ratio Lower Upper
62 100
98 7.9 7.1 10.7

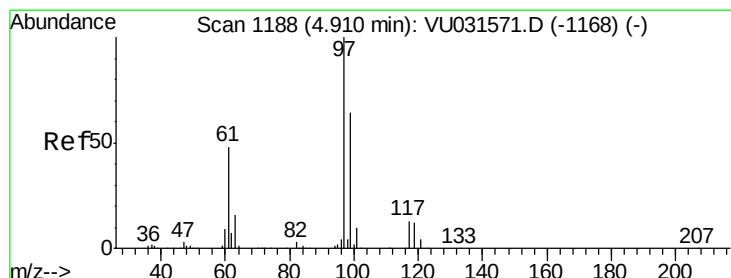
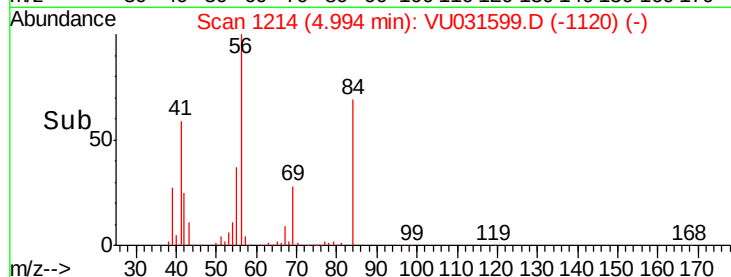
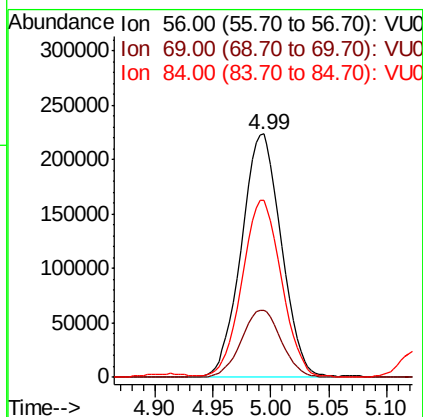
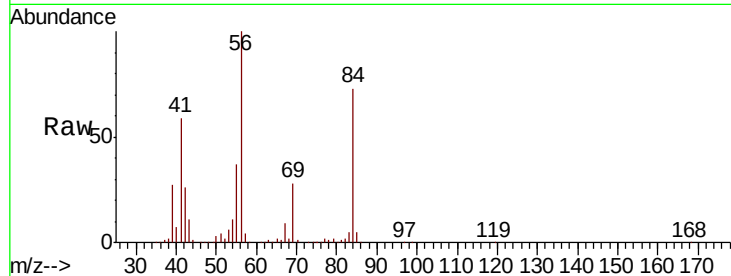




#29
Cyclohexane
Concen: 49.222 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU031599.D
Acq: 29 Apr 2019 20:34

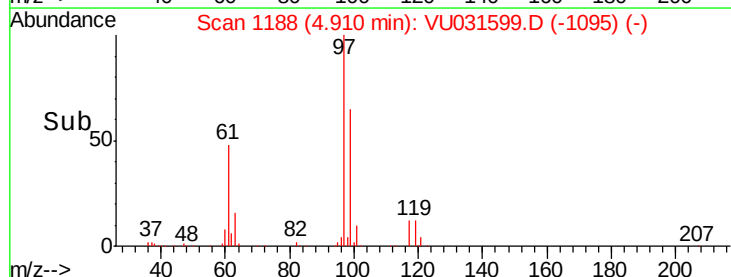
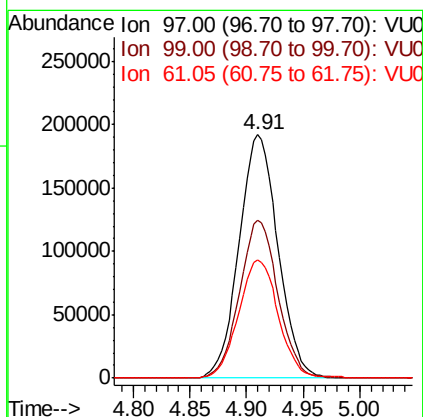
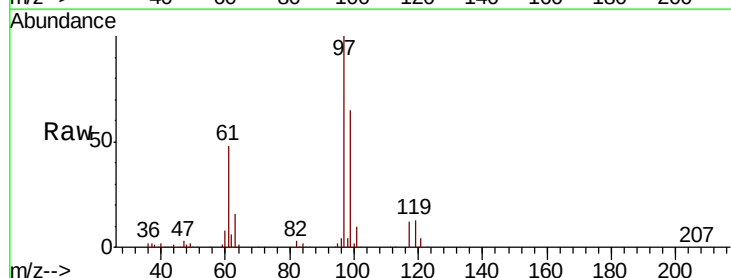
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

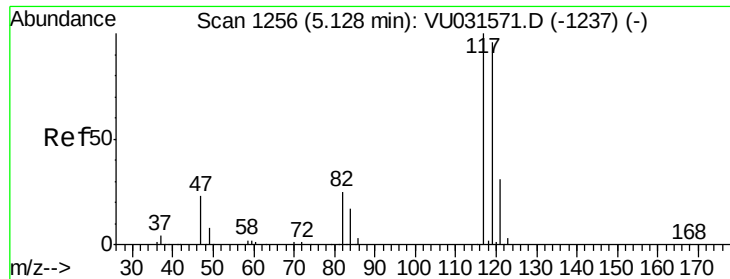
Tgt Ion: 56 Resp: 536903
Ion Ratio Lower Upper
56 100
69 27.7 22.3 33.5
84 71.6 57.5 86.3



#30
1,1,1-Trichloroethane
Concen: 47.706 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031599.D
Acq: 29 Apr 2019 20:34

Tgt Ion: 97 Resp: 460673
Ion Ratio Lower Upper
97 100
99 63.9 52.0 78.0
61 49.5 38.7 58.1

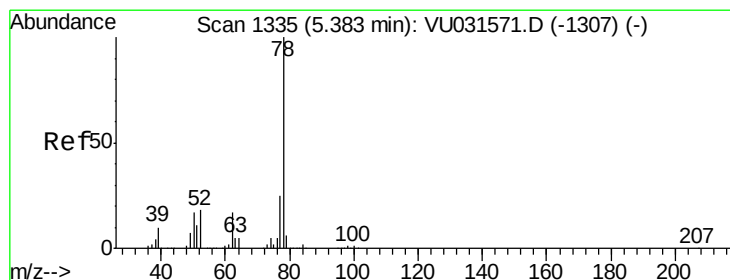
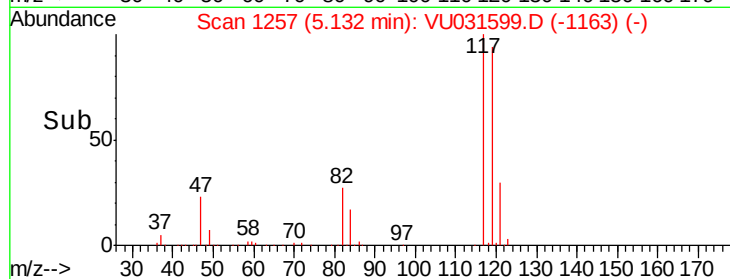
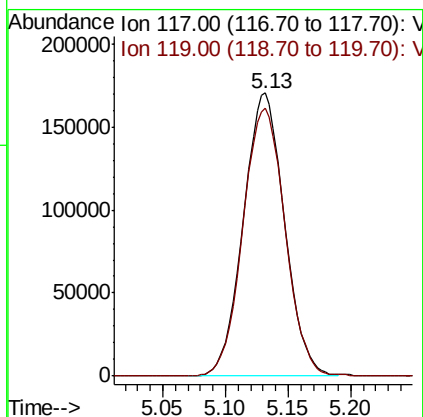
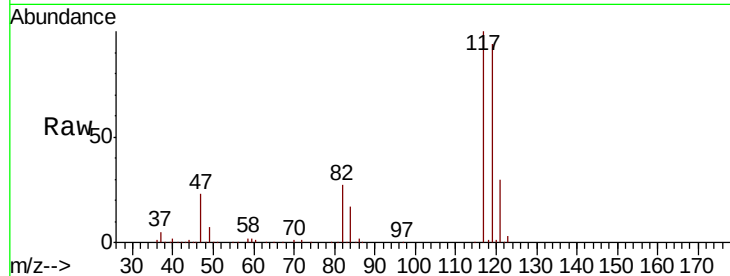




#31
Carbon tetrachloride
Concen: 46.920 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU031599.D
Acq: 29 Apr 2019 20:34

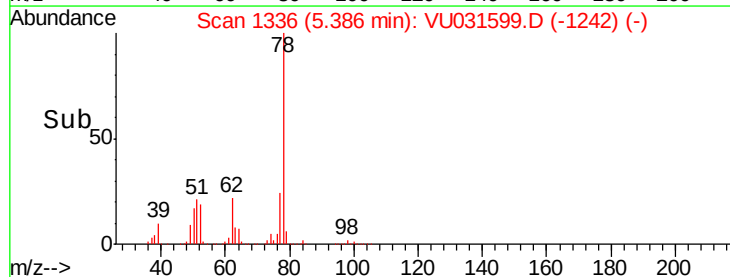
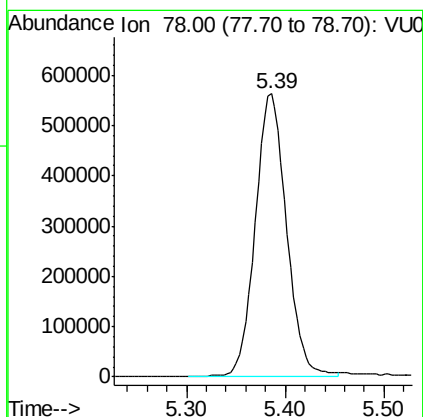
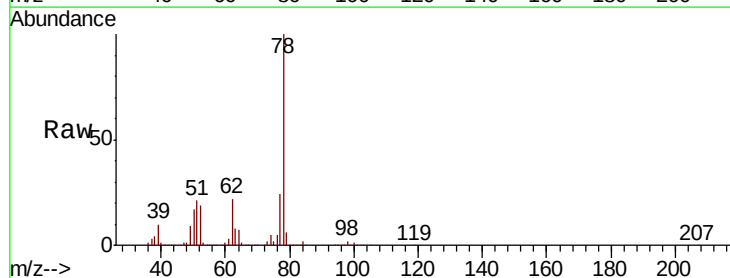
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

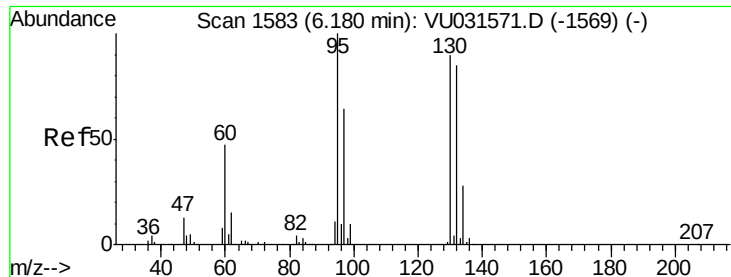
Tgt Ion:117 Resp: 387264
Ion Ratio Lower Upper
117 100
119 97.1 76.6 114.8



#33
Benzene
Concen: 48.655 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU031599.D
Acq: 29 Apr 2019 20:34

Tgt Ion: 78 Resp: 1232877





#34

Trichloroethene

Concen: 49.271 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 95 Resp: 302640

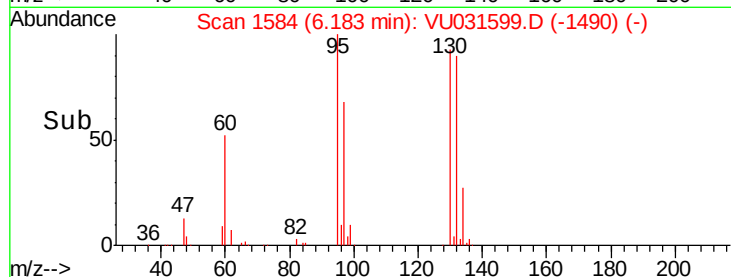
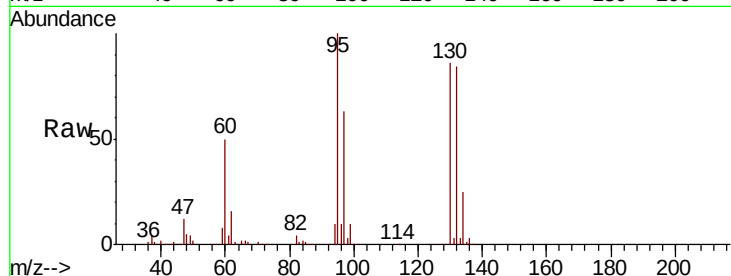
Ion Ratio Lower Upper

95 100

97 63.1 44.8 83.2

132 84.2 63.1 117.1

130 86.3 66.5 123.5

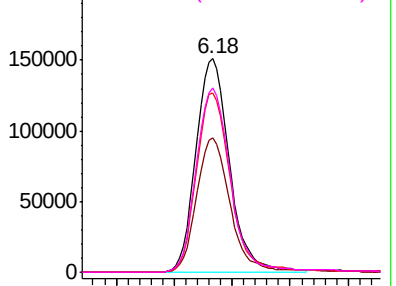


Abundance Ion 95.00 (94.70 to 95.70): VU0

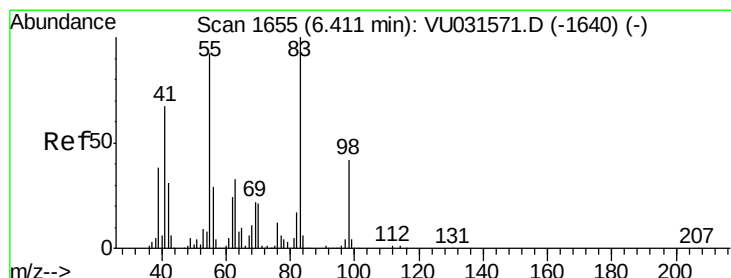
Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#35

Methylcyclohexane

Concen: 48.024 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

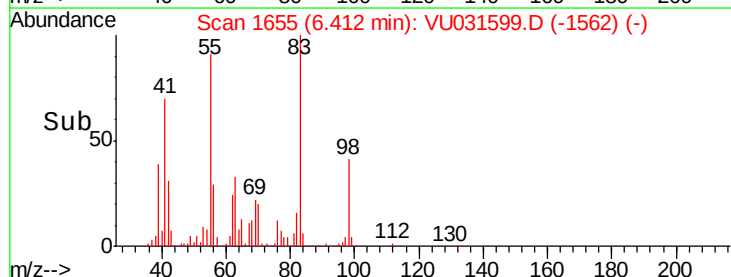
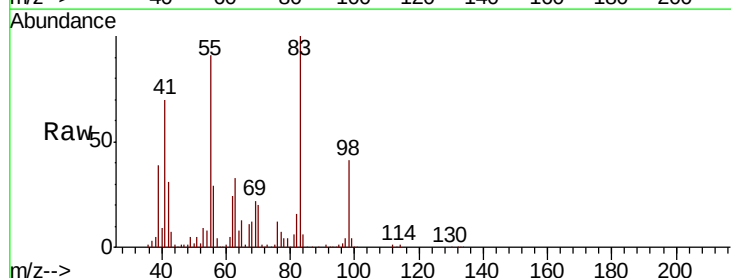
Tgt Ion: 83 Resp: 442073

Ion Ratio Lower Upper

83 100

55 94.1 73.0 109.4

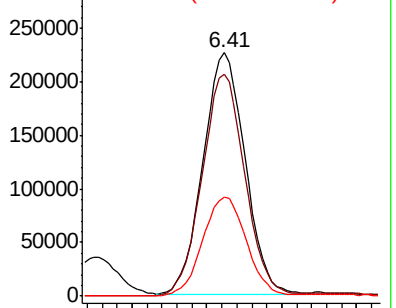
98 42.6 35.3 52.9



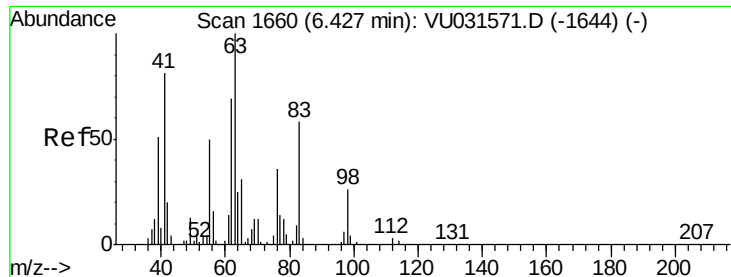
Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



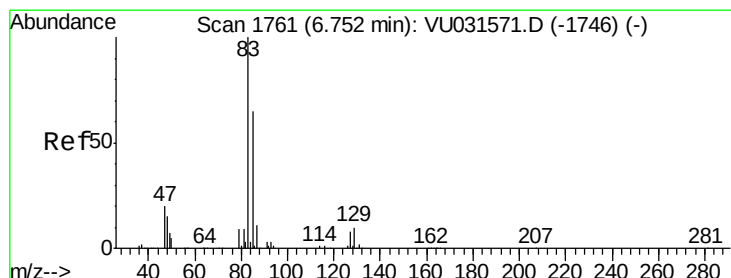
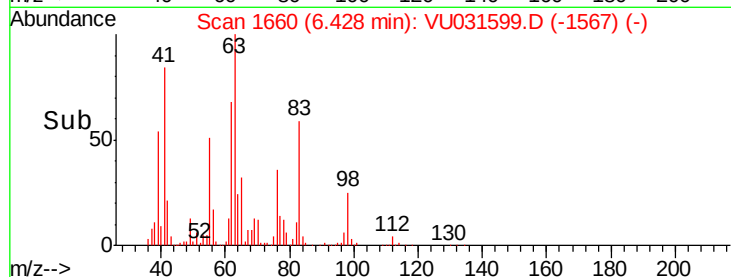
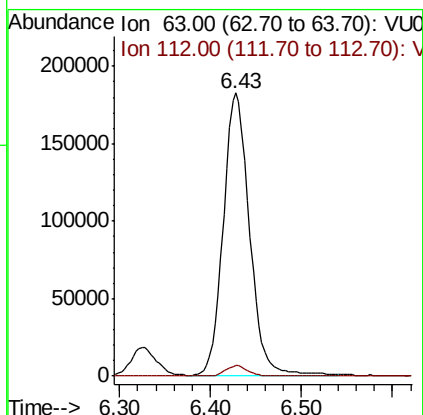
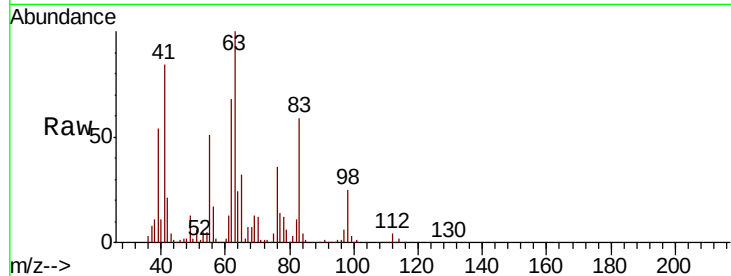
Time-->



#37
 1,2-Dichloropropane
 Concen: 51.026 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

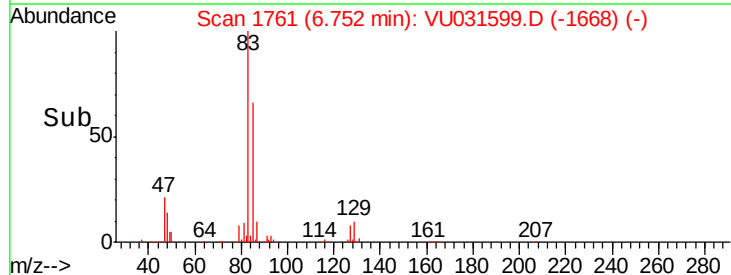
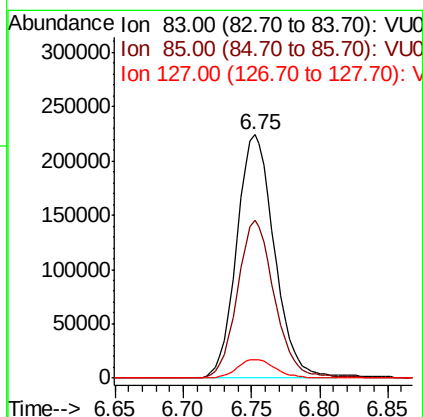
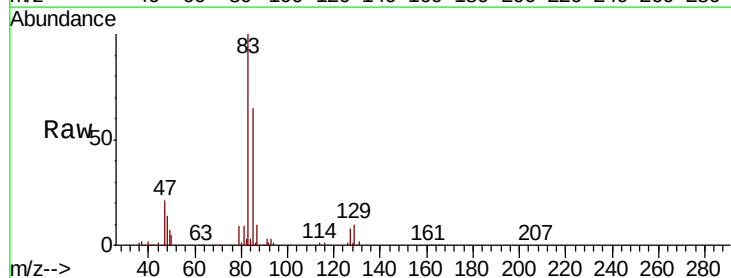
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

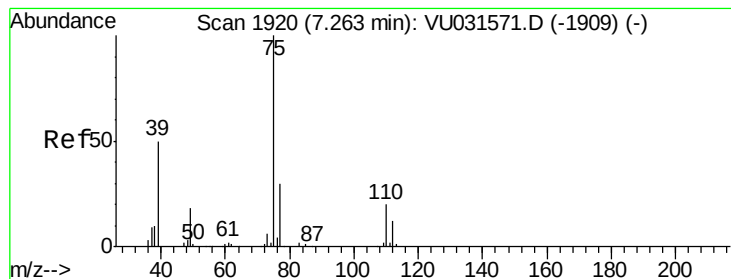
Tgt Ion: 63 Resp: 367058
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.7 4.1



#38
 Bromodichloromethane
 Concen: 49.083 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

Tgt Ion: 83 Resp: 428105
 Ion Ratio Lower Upper
 83 100
 85 64.7 43.7 81.1
 127 7.7 6.7 10.1



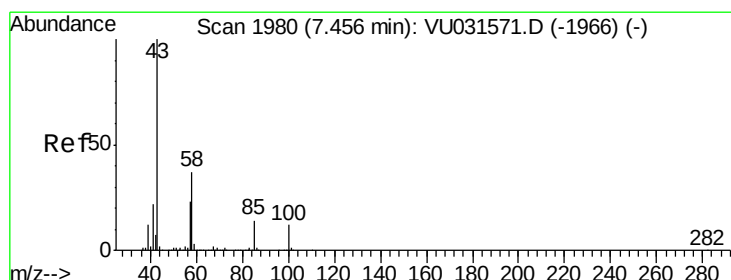
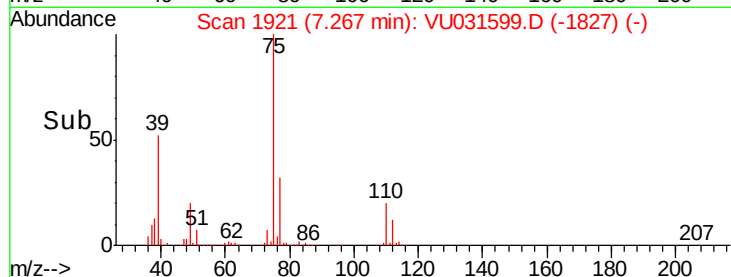
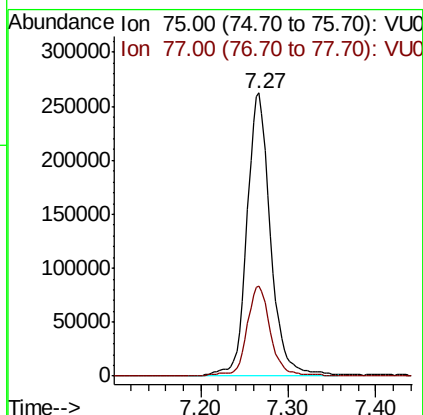
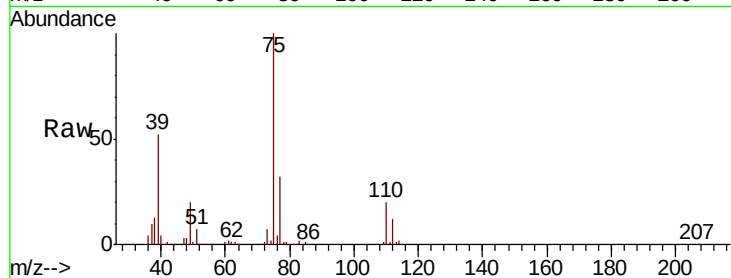


#39

cis-1,3-Dichloropropene
 Concen: 51.748 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

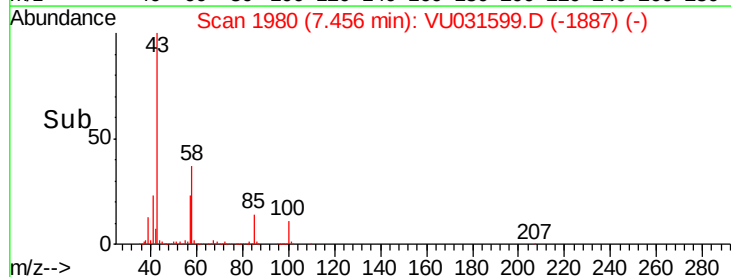
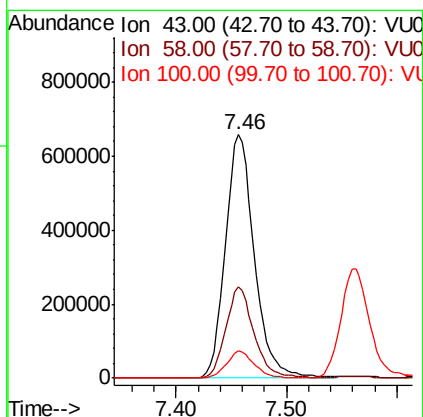
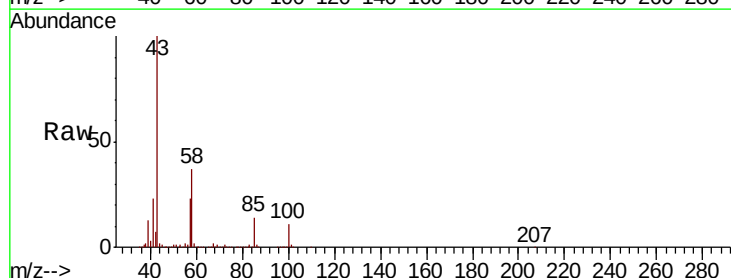
Tgt Ion: 75 Resp: 491887
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.1 41.1

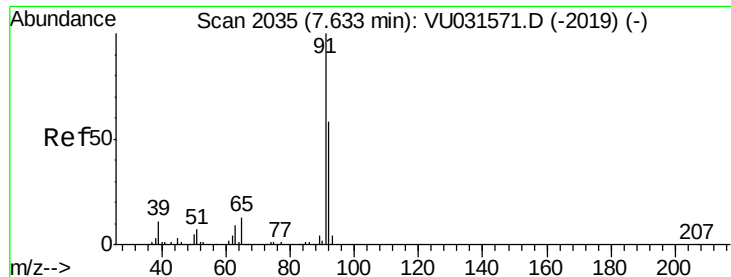


#40

4-Methyl-2-pentanone
 Concen: 108.404 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

Tgt Ion: 43 Resp: 1199777
 Ion Ratio Lower Upper
 43 100
 58 36.4 30.1 45.1
 100 10.7 9.6 14.4





#42

Toluene

Concen: 48.988 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

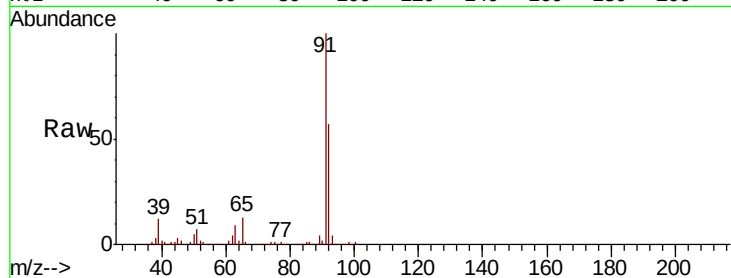
VSTD05053

Tgt Ion: 91 Resp: 1236512

Ion Ratio Lower Upper

91 100

92 56.7 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU031571.D (-2019) (-)

Ion 92.00 (91.70 to 92.70): VU031571.D (-2019) (-)

7.63

600000

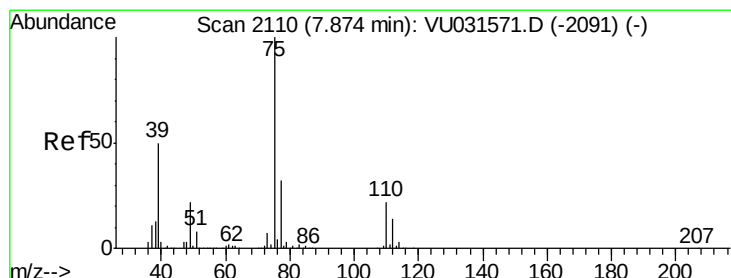
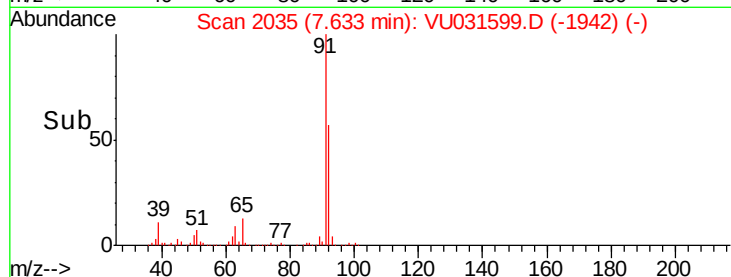
400000

200000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.056 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031599.D

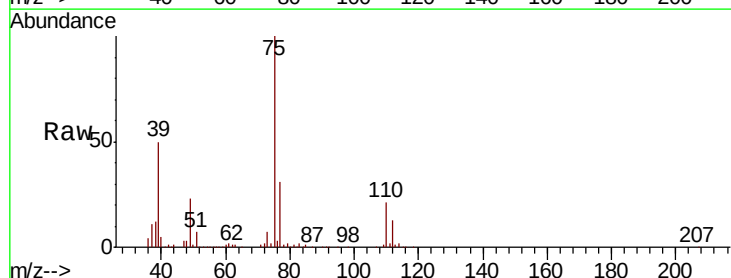
Acq: 29 Apr 2019 20:34

Tgt Ion: 75 Resp: 431556

Ion Ratio Lower Upper

75 100

77 31.5 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031571.D (-2091) (-)

Ion 77.00 (76.70 to 77.70): VU031571.D (-2091) (-)

7.88

250000

200000

150000

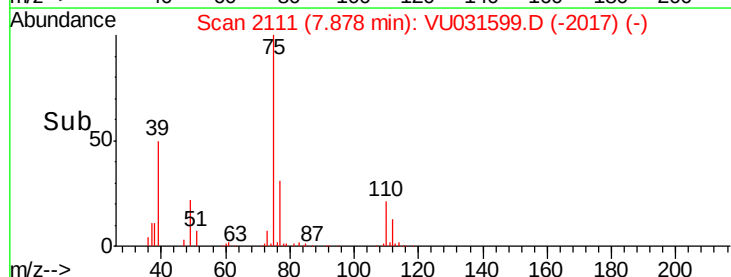
100000

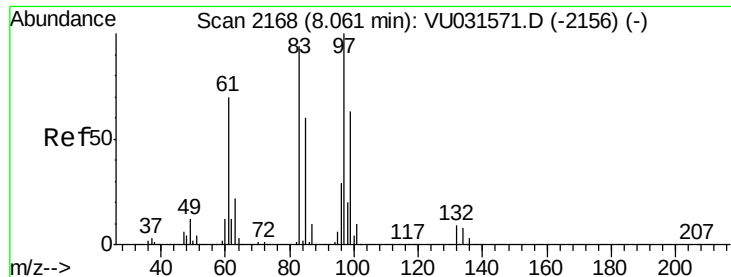
50000

0

7.80 7.90 8.00

Time-->

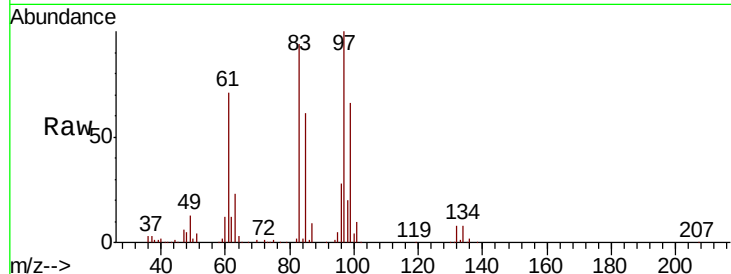




#45
 1,1,2-Trichloroethane
 Concen: 49.067 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion:	97	Resp:	290987
Ion	Ratio	Lower	Upper
97	100		
99	66.0	43.0	80.0
83	93.7	63.6	118.2
85	61.1	40.5	75.3



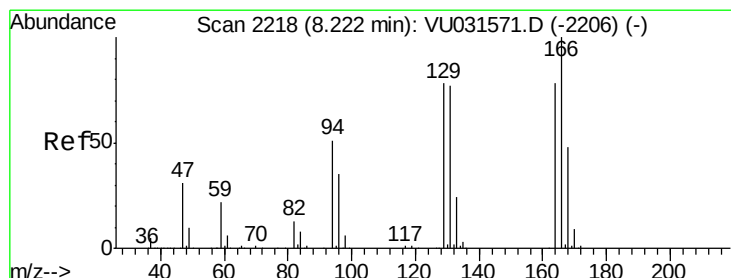
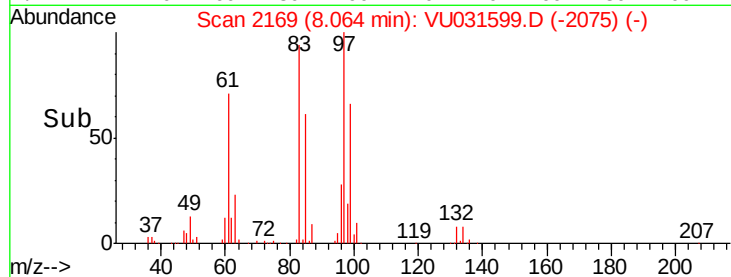
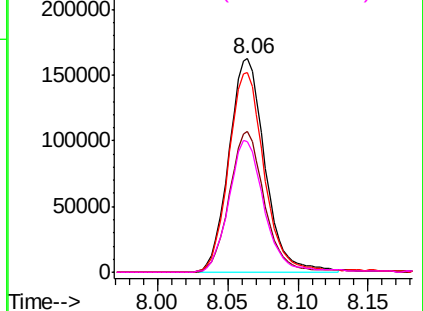
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

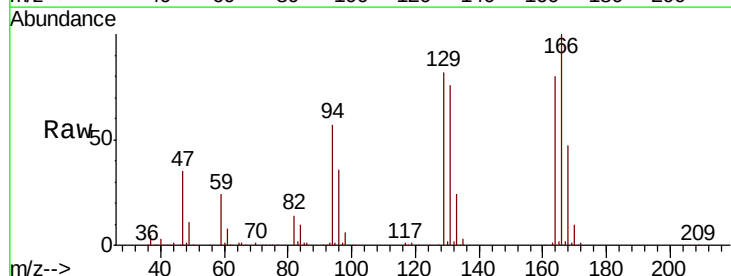
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 45.274 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

Tgt Ion:	164	Resp:	189582
Ion	Ratio	Lower	Upper
164	100		
129	102.1	71.5	132.9
131	94.6	69.0	128.2
166	124.4	93.7	173.9



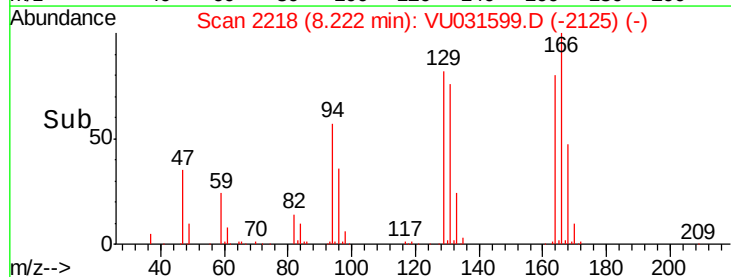
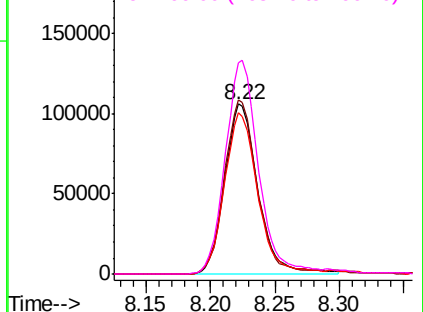
Abundance

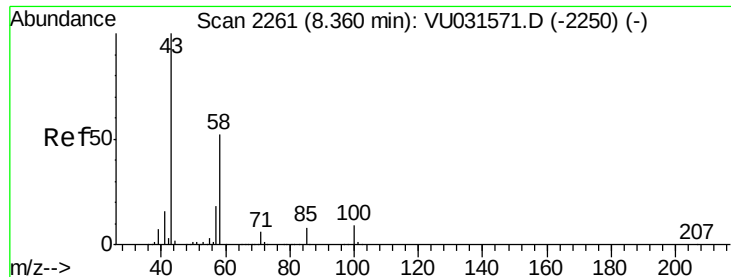
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

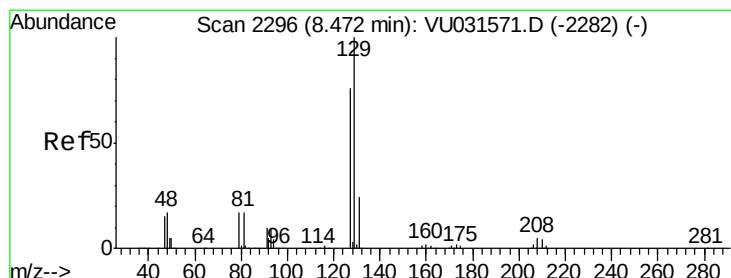
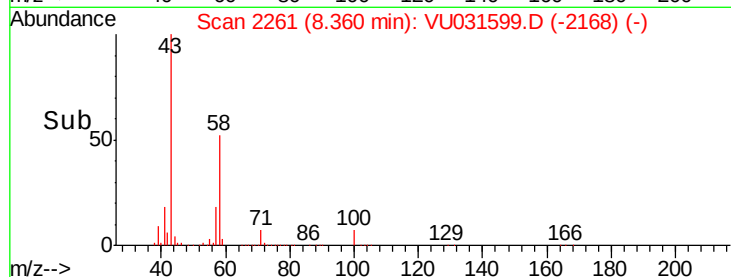
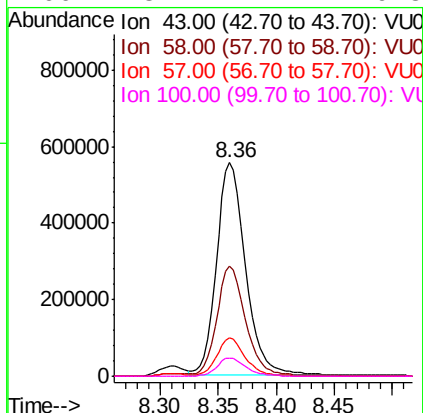
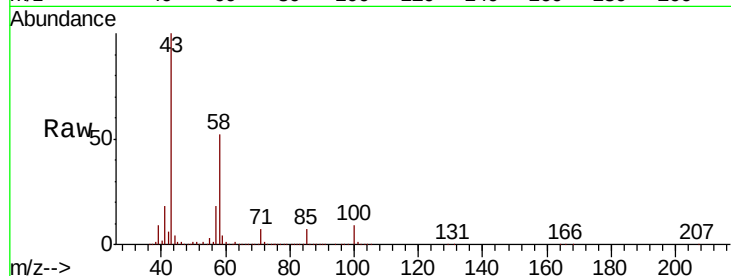




#48
2-Hexanone
Concen: 108.258 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031599.D
Acq: 29 Apr 2019 20:34

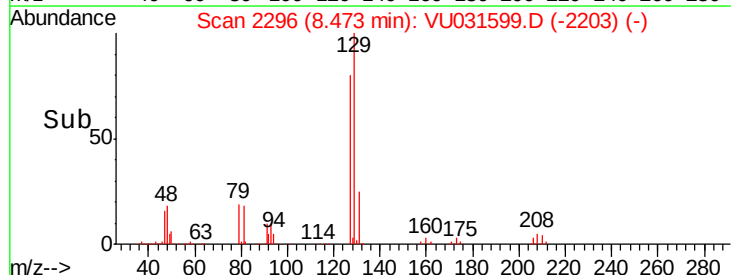
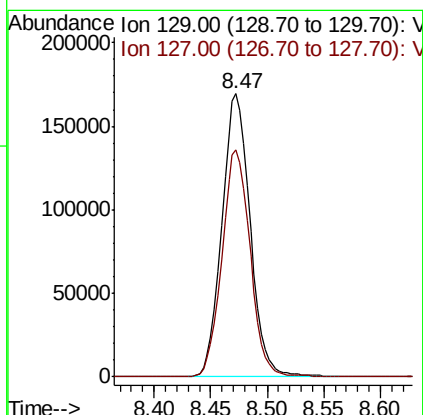
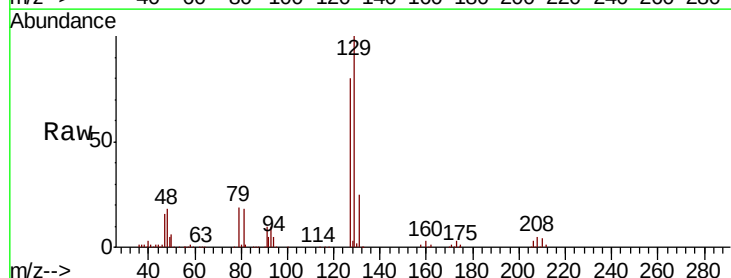
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

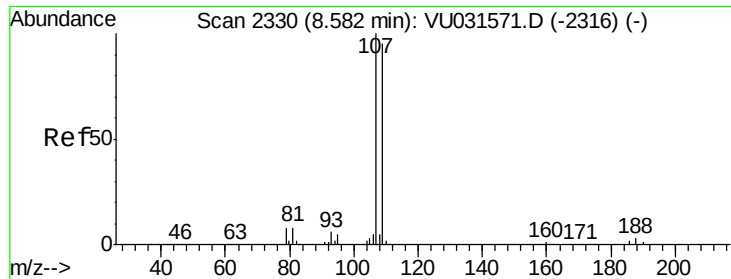
Tgt Ion: 43 Resp: 969060
Ion Ratio Lower Upper
43 100
58 51.1 42.1 63.1
57 17.0 14.6 22.0
100 8.7 7.2 10.8



#49
Dibromochloromethane
Concen: 47.784 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031599.D
Acq: 29 Apr 2019 20:34

Tgt Ion: 129 Resp: 294850
Ion Ratio Lower Upper
129 100
127 80.1 54.0 100.2

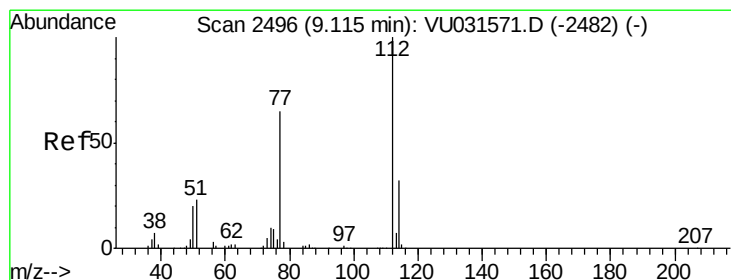
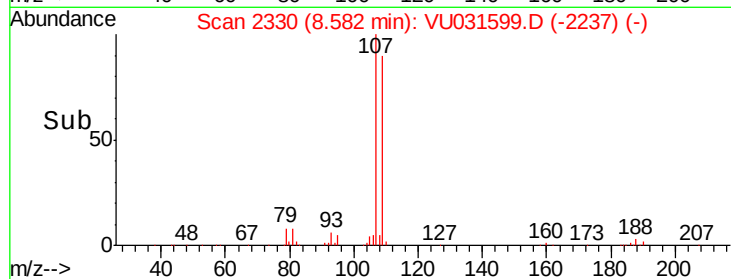
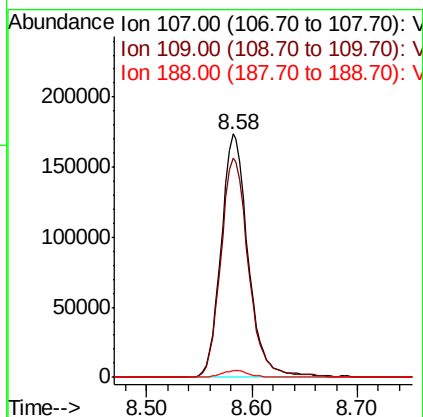
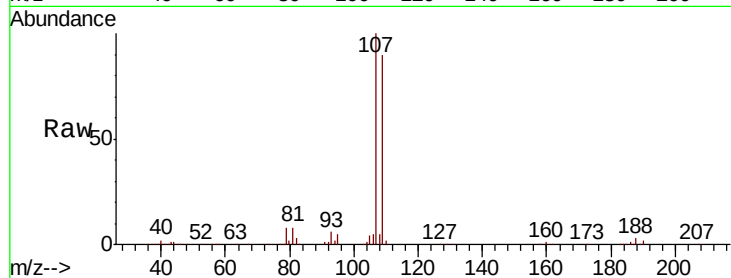




#50
 1,2-Dibromoethane
 Concen: 49.328 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

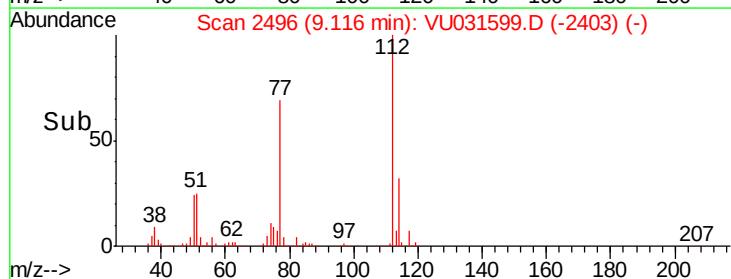
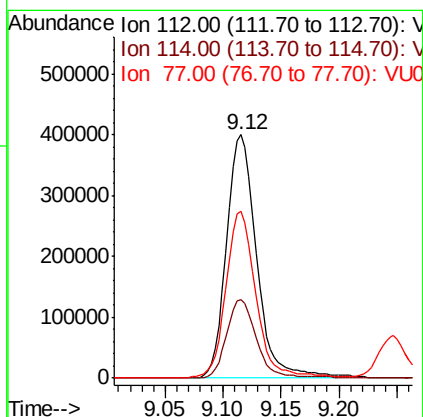
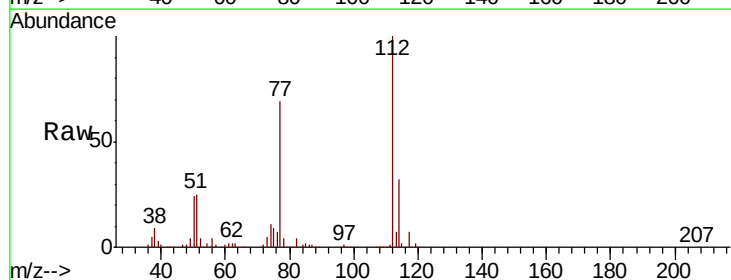
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

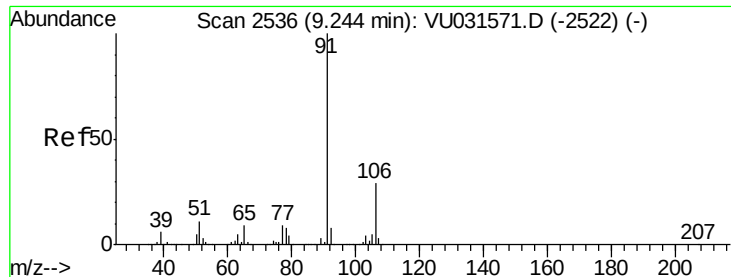
Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.2	64.9	120.5
188	2.8	2.4	3.6



#51
 Chlorobenzene
 Concen: 48.049 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	23.3	43.3
77	68.6	53.0	79.4





#52

Ethylbenzene

Concen: 49.939 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

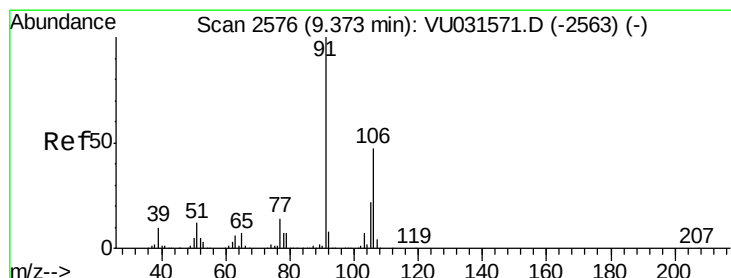
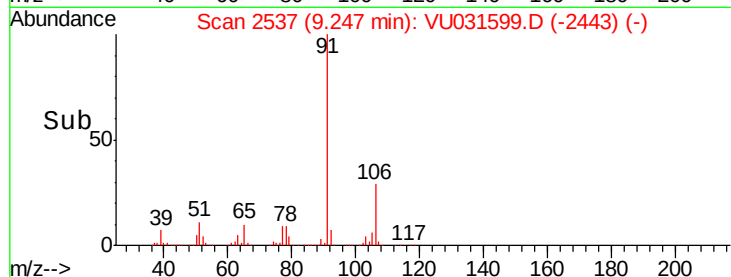
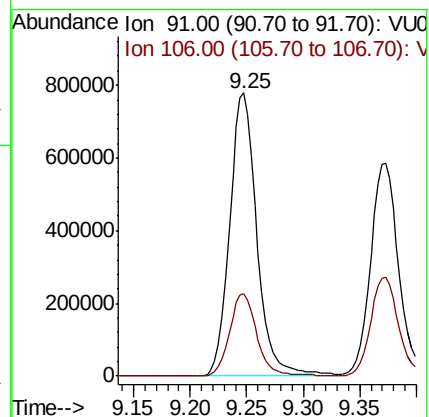
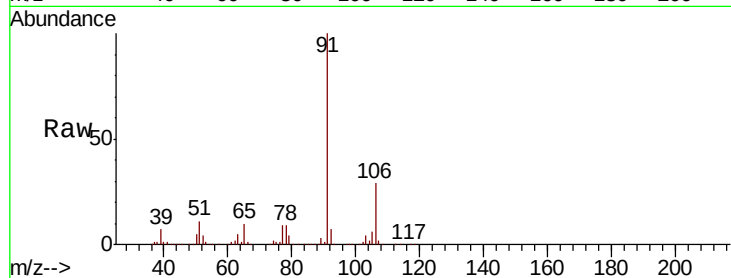
VSTD05053

Tgt Ion: 91 Resp: 1307552

Ion Ratio Lower Upper

91 100

106 29.0 20.4 37.8



#53

m,p-Xylene

Concen: 50.744 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031599.D

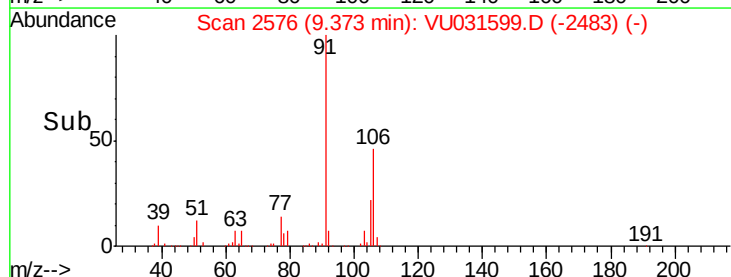
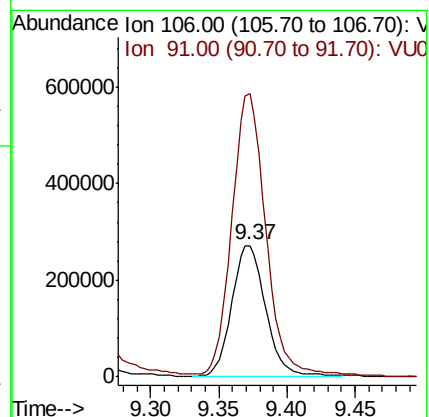
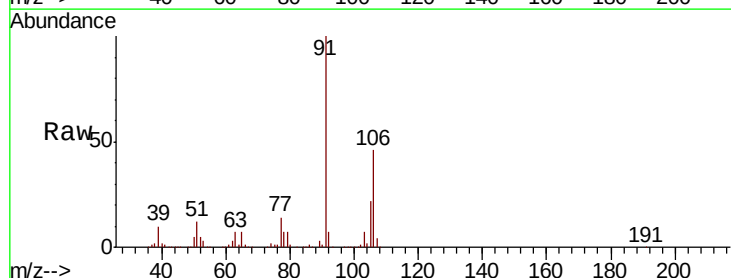
Acq: 29 Apr 2019 20:34

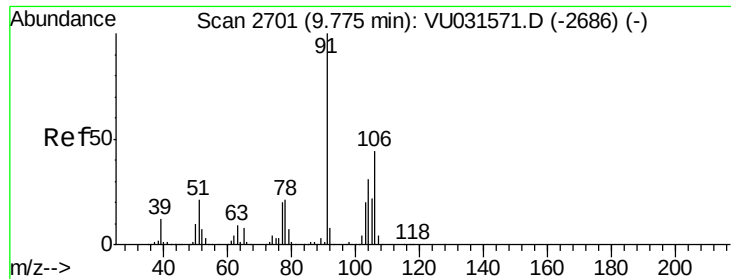
Tgt Ion: 106 Resp: 462915

Ion Ratio Lower Upper

106 100

91 215.8 152.2 282.6

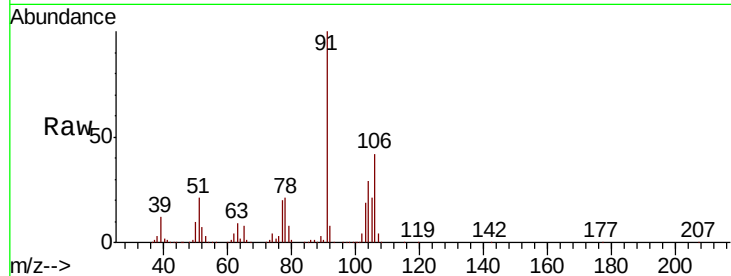




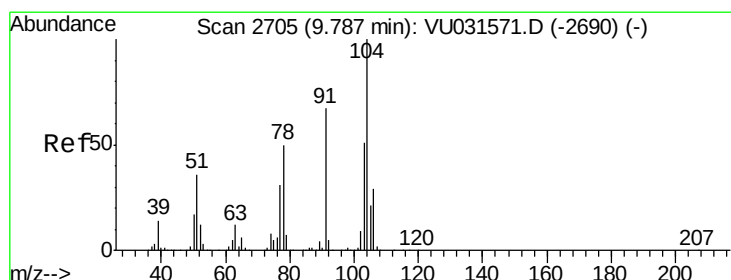
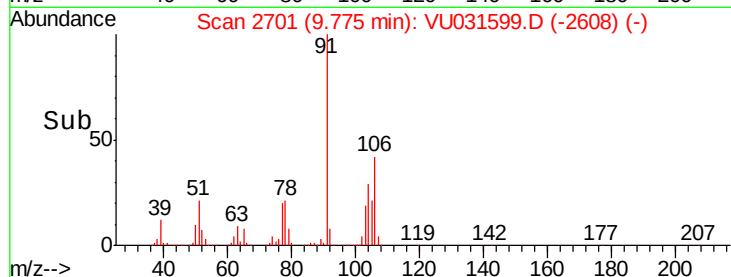
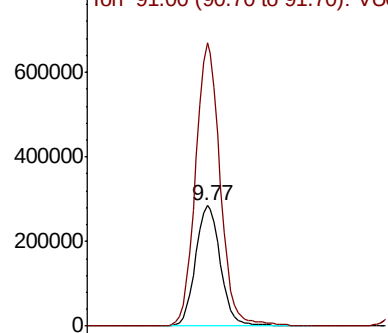
#54
o-xylene
Concen: 50.788 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031599.D
Acq: 29 Apr 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion:106 Resp: 459328
Ion Ratio Lower Upper
106 100
91 235.4 163.2 303.2

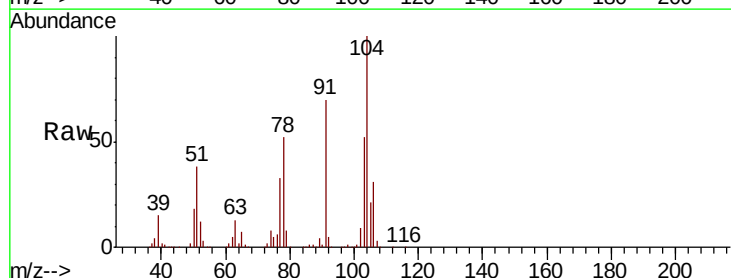


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

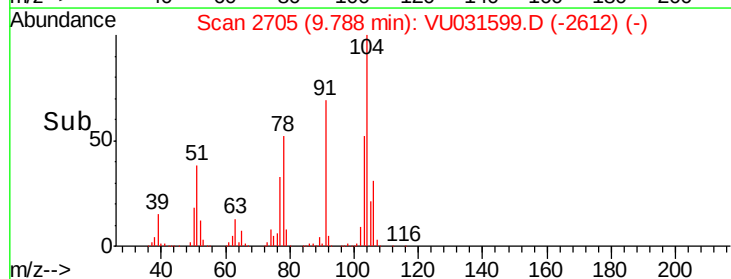
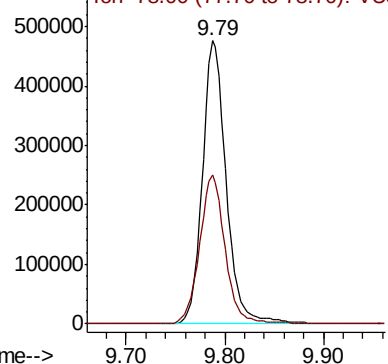


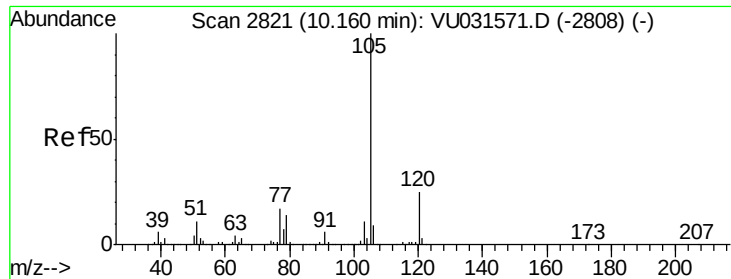
#55
Styrene
Concen: 51.949 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU031599.D
Acq: 29 Apr 2019 20:34

Tgt Ion:104 Resp: 802684
Ion Ratio Lower Upper
104 100
78 52.5 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.801 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

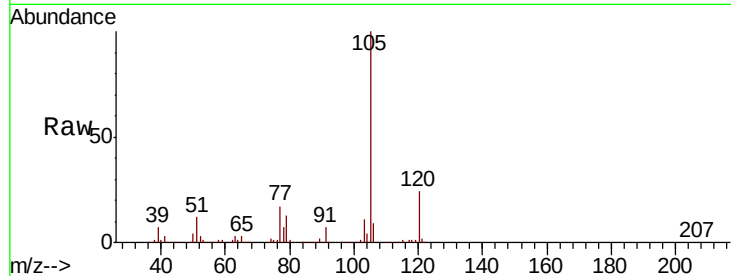
Tgt Ion: 105 Resp: 1208149

Ion Ratio Lower Upper

105 100

120 24.6 20.1 30.1

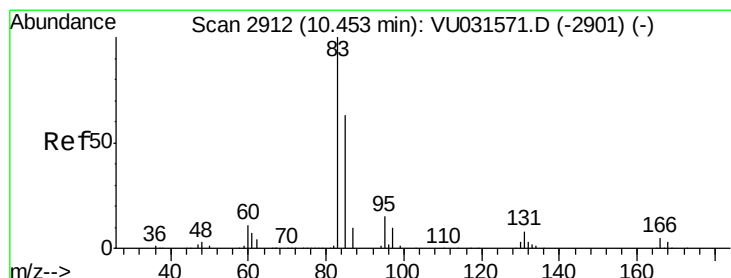
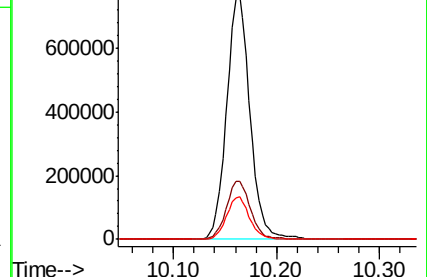
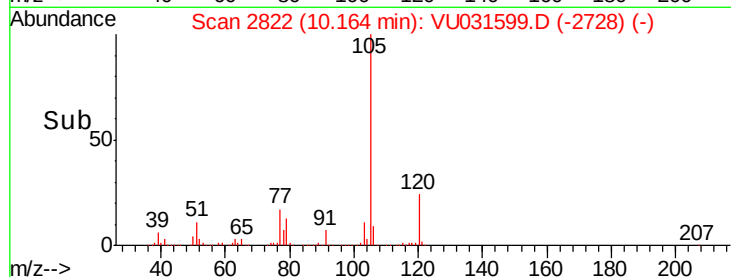
77 17.2 13.8 20.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.929 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

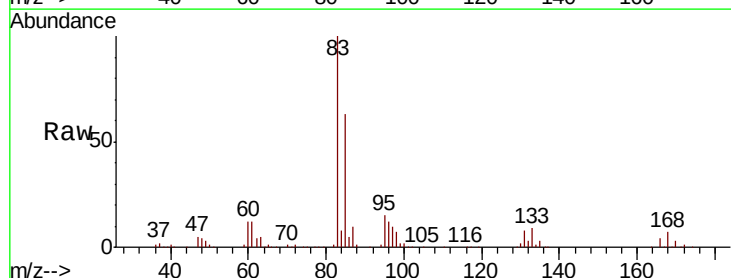
Tgt Ion: 83 Resp: 525421

Ion Ratio Lower Upper

83 100

85 62.9 46.0 85.4

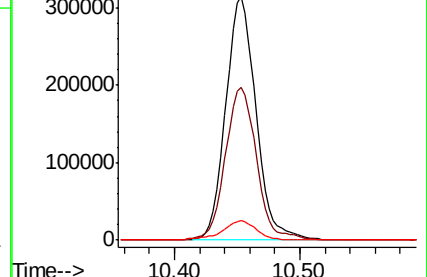
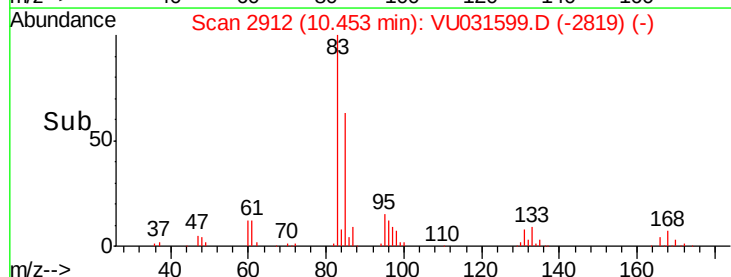
131 8.1 7.3 10.9

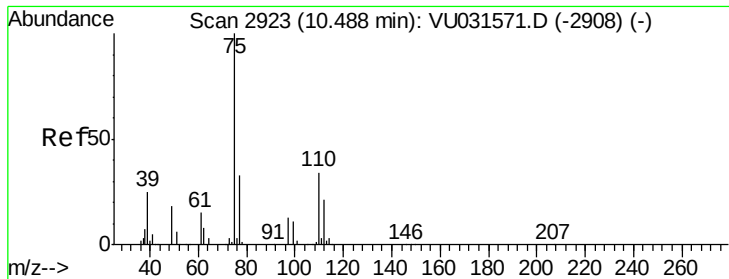


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

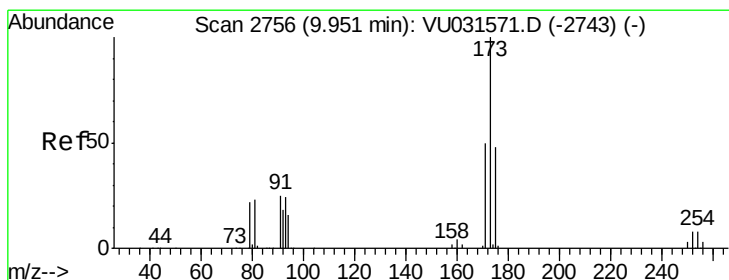
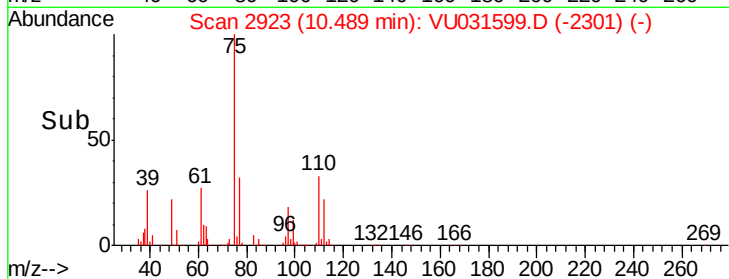
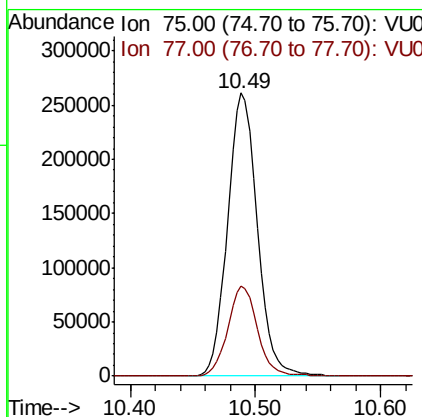
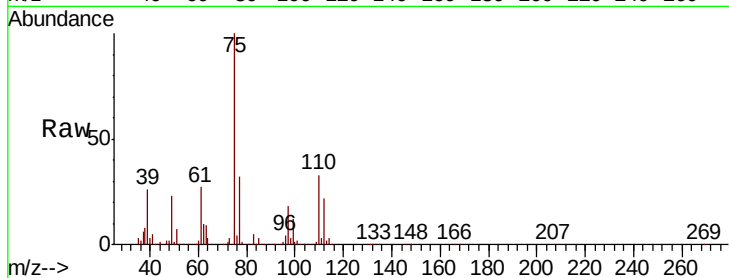




#59
 1,2,3-Trichloropropane
 Concen: 50.194 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

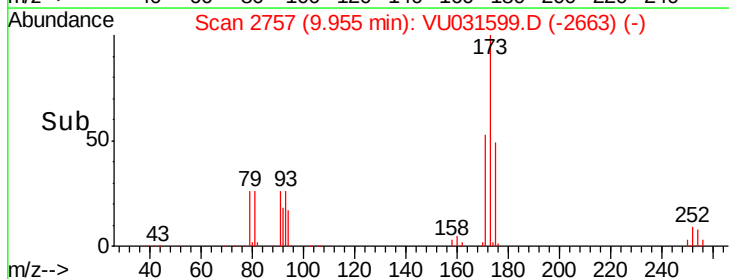
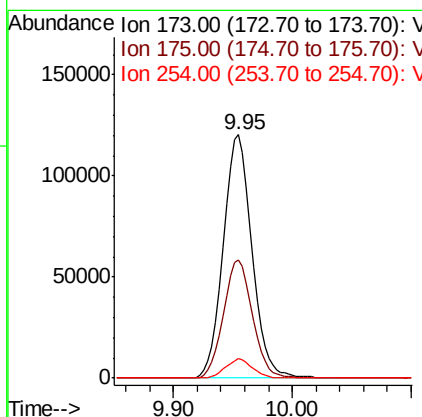
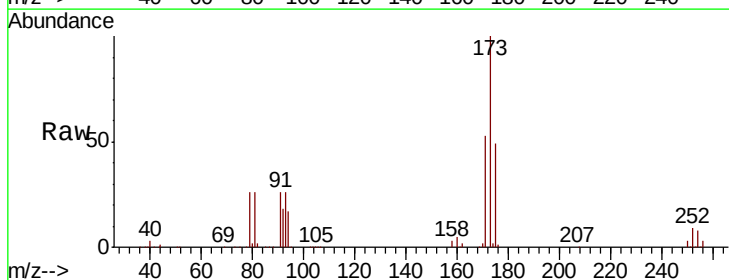
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

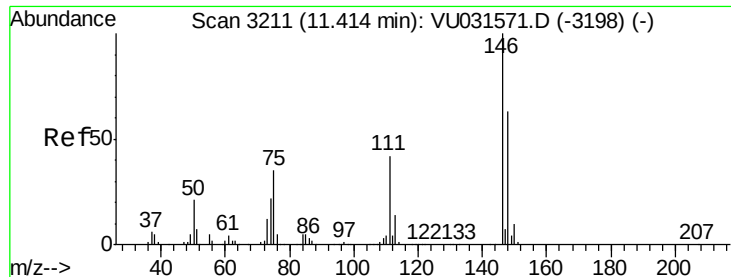
Tgt Ion: 75 Resp: 428097
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.9 38.9



#61
 Bromoform
 Concen: 46.046 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

Tgt Ion: 173 Resp: 201569
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.3 57.5
 254 7.5 6.6 9.8

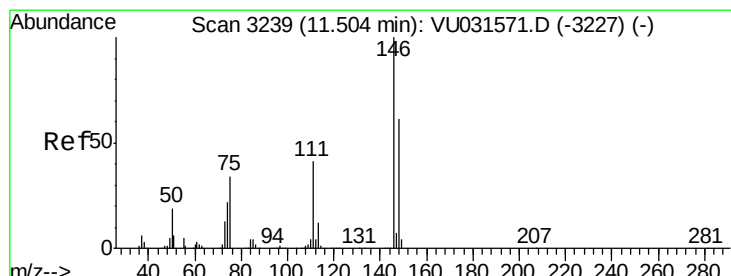
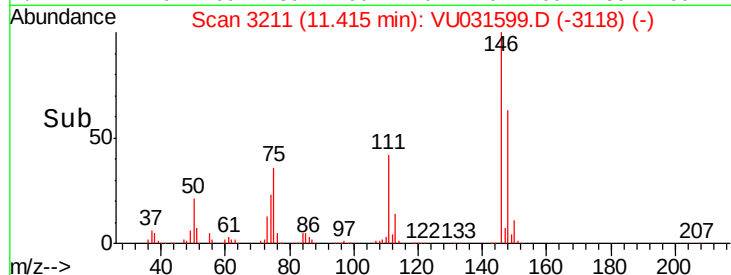
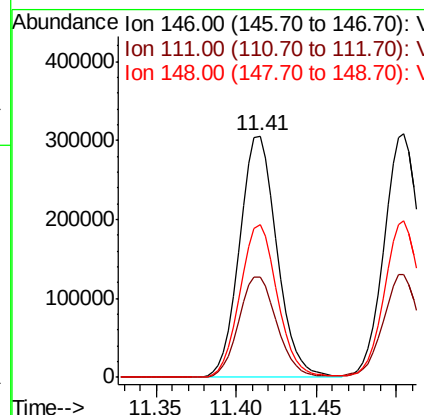
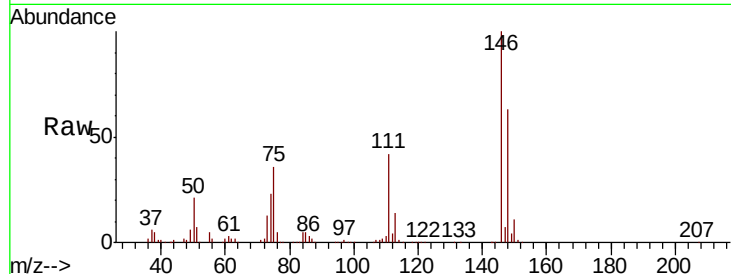




#62
 1,3-Dichlorobenzene
 Concen: 49.640 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

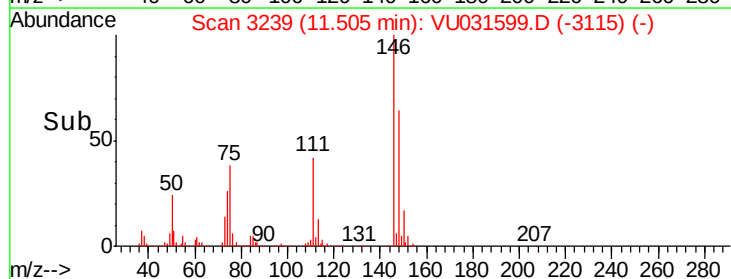
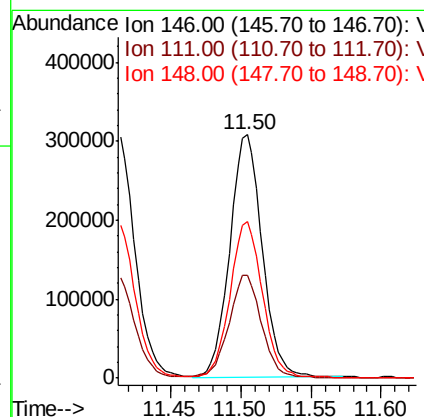
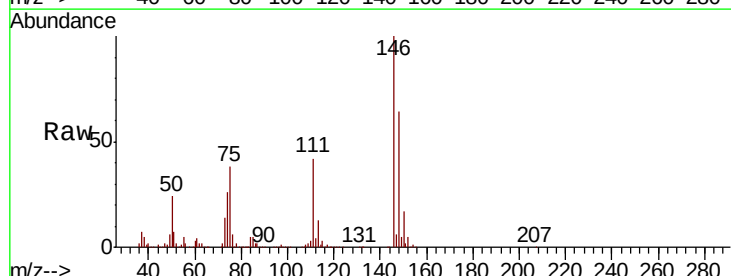
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

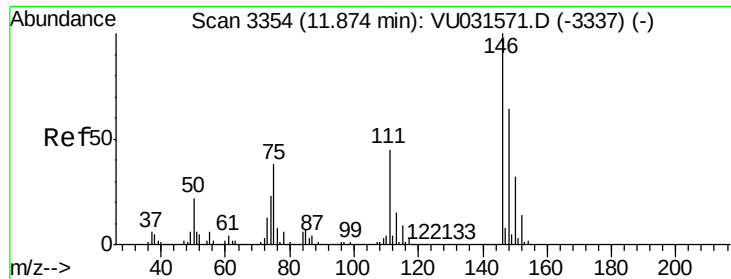
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	29.8	55.4
148	63.4	45.1	83.9



#63
 1,4-Dichlorobenzene
 Concen: 48.742 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	28.2	52.4
148	64.1	45.4	84.4

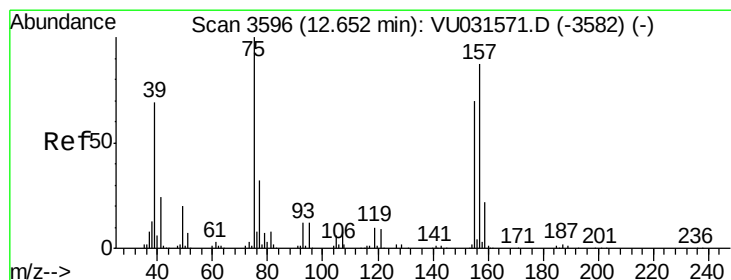
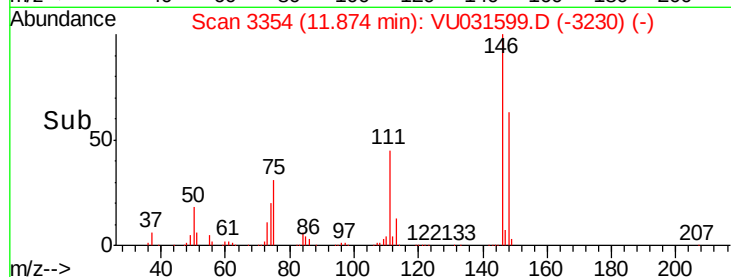
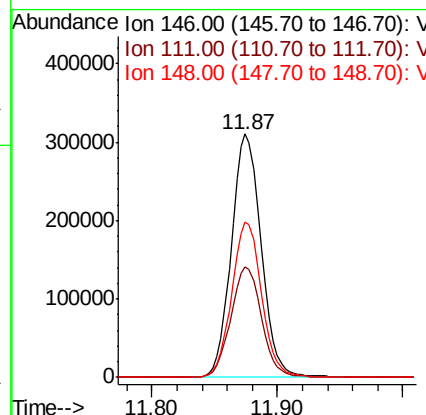
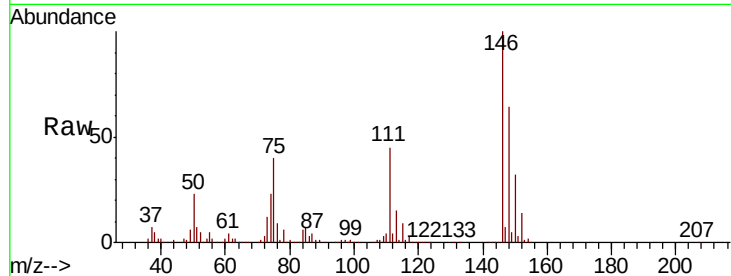




#65
 1,2-Dichlorobenzene
 Concen: 49.130 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

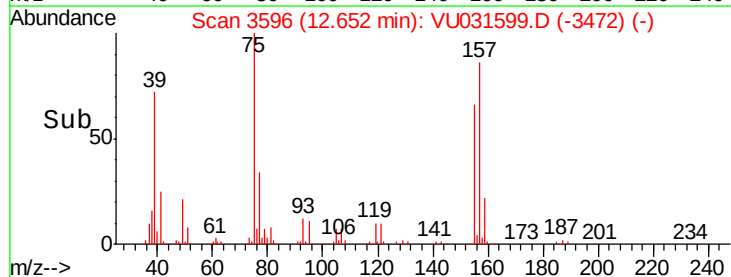
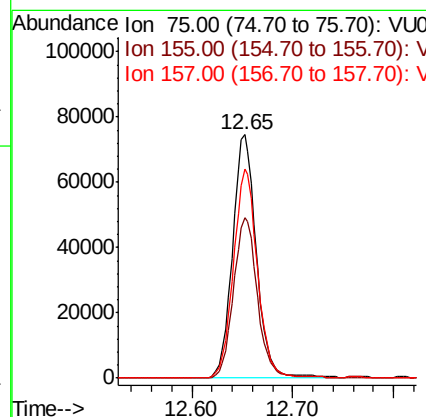
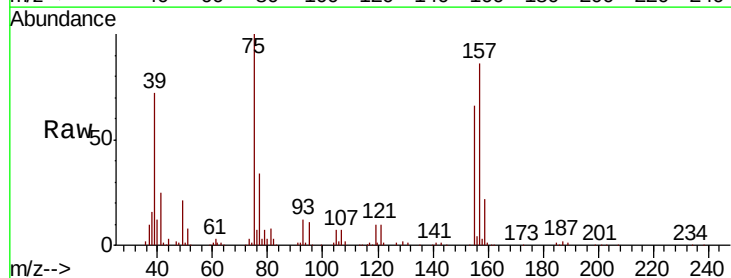
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

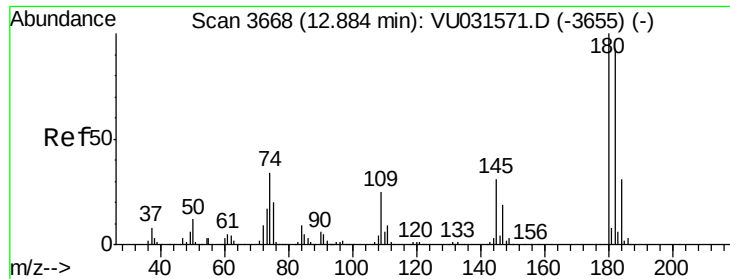
Tgt Ion: 146 Resp: 510424
 Ion Ratio Lower Upper
 146 100
 111 45.4 35.9 53.9
 148 63.7 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.134 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

Tgt Ion: 75 Resp: 123297
 Ion Ratio Lower Upper
 75 100
 155 66.0 54.0 81.0
 157 85.8 69.1 103.7

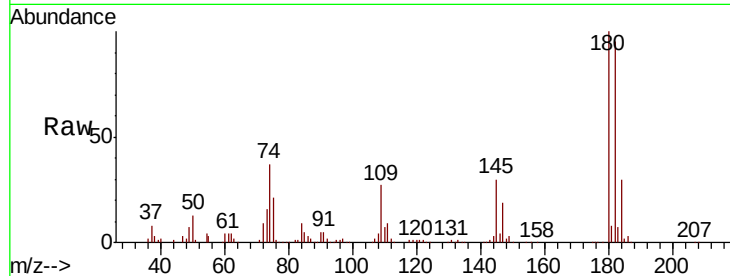




#67
 1,3,5-Trichlorobenzene
 Concen: 46.511 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.3	115.9
184	31.1	24.4	36.6
145	30.4	23.8	35.8



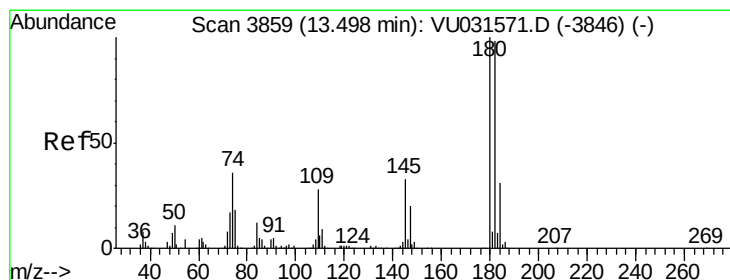
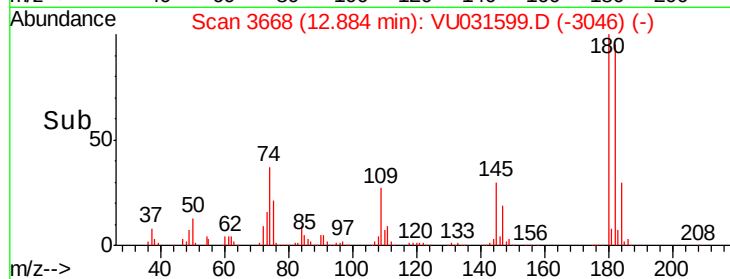
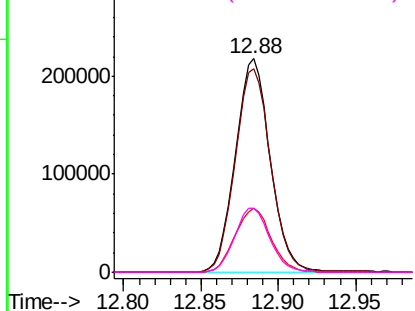
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

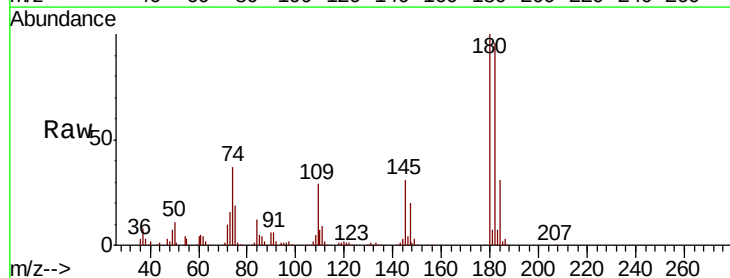
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.714 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031599.D
 Acq: 29 Apr 2019 20:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.8	113.8
145	31.3	24.5	36.7

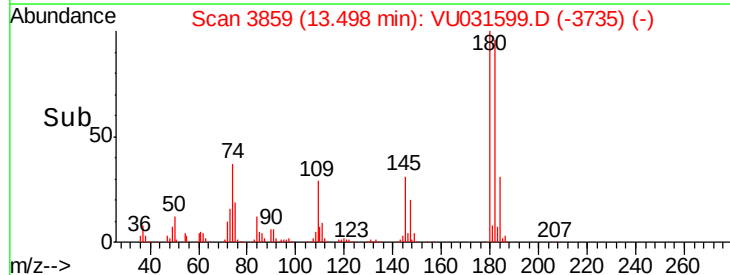
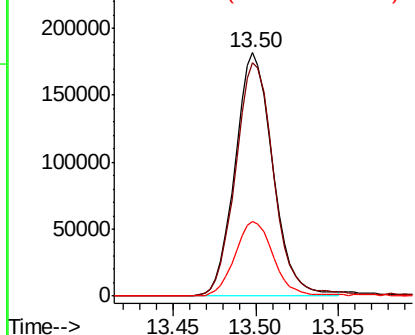


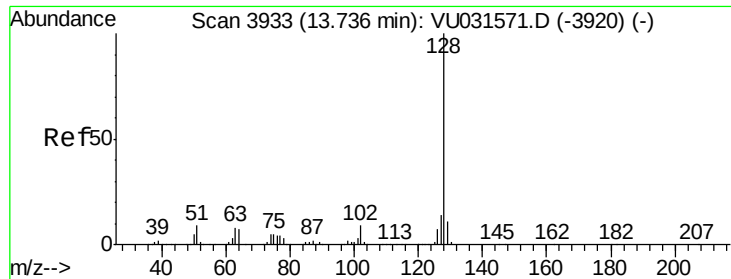
Abundance

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: 54.405 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

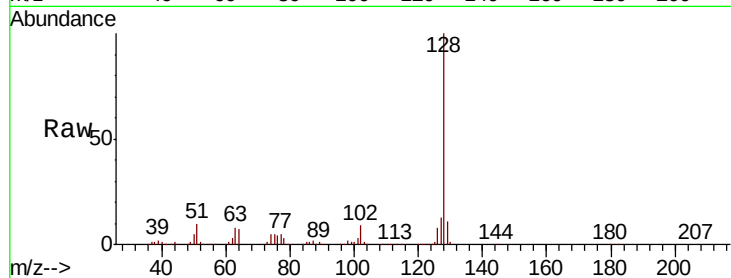
Tgt Ion:128 Resp: 1075178

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

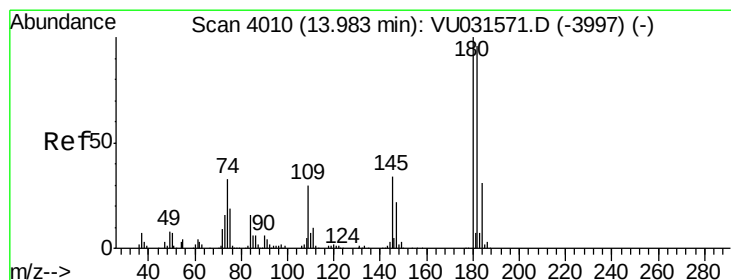
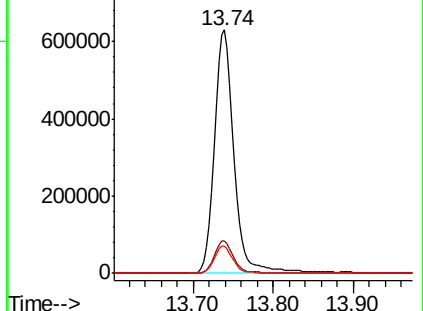
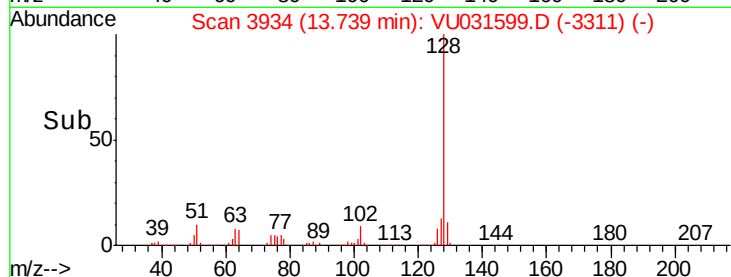
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.244 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031599.D

Acq: 29 Apr 2019 20:34

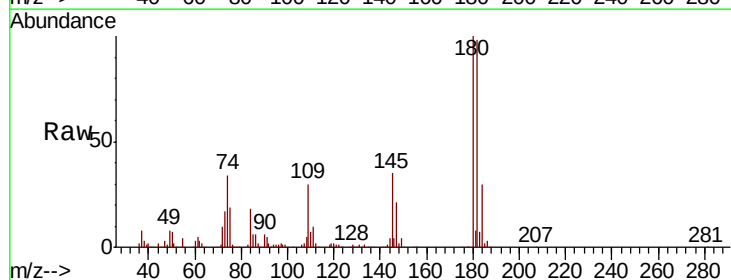
Tgt Ion:180 Resp: 324966

Ion Ratio Lower Upper

180 100

182 94.9 76.1 114.1

145 32.9 26.0 39.0



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

