

Data File : VU029623.D
Acq On : 22 Feb 2019 16:08
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Quant Time: Feb 22 22:19:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 22 22:13:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	489628	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	488237	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	268639	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	165881	46.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.46%
7) Chloroethane-d5	1.68	69	143247	44.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.82%
11) 1,1-Dichloroethene-d2	2.27	63	323224	46.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.18%
21) 2-Butanone-d5	4.17	46	220546	101.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.01%
24) Chloroform-d	4.65	84	298344	51.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.54%
26) 1,2-Dichloroethane-d4	5.31	65	184079	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
32) Benzene-d6	5.34	84	626873	51.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.06%
36) 1,2-Dichloropropane-d6	6.33	67	189075	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.30%
41) Toluene-d8	7.56	98	615122	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%
43) trans-1,3-Dichloropropene-	7.85	79	94574	48.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.48%
47) 2-Hexanone-d5	8.31	63	191741	93.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.15%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	300647	48.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.28%
64) 1,2-Dichlorobenzene-d4	11.86	152	277048	47.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.72%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	169538	50.500	ug/L	99
3) Chloromethane	1.33	50	151120	51.311	ug/L	99
5) Vinyl chloride	1.40	62	198817	49.707	ug/L	100
6) Bromomethane	1.62	94	110790	60.692	ug/L	100
8) Chloroethane	1.70	64	125224	47.070	ug/L	99
9) Trichlorofluoromethane	1.88	101	282106	44.245	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	160694	47.116	ug/L	99
12) 1,1-Dichloroethene	2.28	96	159997	49.345	ug/L	97
13) Acetone	2.32	43	150862	64.662	ug/L	100
14) Carbon disulfide	2.48	76	437743	51.549	ug/L	99
15) Methyl Acetate	2.61	43	159827	52.778	ug/L	99
16) Methylene chloride	2.70	84	167102	53.260	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	156882	52.422	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	478563	51.651	ug/L	100
19) 1,1-Dichloroethane	3.44	63	274221	52.992	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	183808	52.858	ug/L	95
22) 2-Butanone	4.26	43	227485	85.436	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	97725	51.265	ug/L	95
25) Chloroform	4.67	83	298501	51.701	ug/L	99
27) 1,2-Dichloroethane	5.40	62	227808	51.320	ug/L	99
29) Cyclohexane	4.99	56	244677	50.640	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	257520	49.745	ug/L	99
31) Carbon tetrachloride	5.13	117	222129	47.408	ug/L	99
33) Benzene	5.39	78	653851	52.234	ug/L	100
34) Trichloroethene	6.18	95	174063	51.618	ug/L	97
35) Methylcyclohexane	6.41	83	277453	49.544	ug/L	97
37) 1,2-Dichloropropane	6.43	63	170586	51.914	ug/L	99
38) Bromodichloromethane	6.76	83	221385	49.975	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	273504	51.590	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	444788	96.259	ug/L	98
42) Toluene	7.63	91	753866	50.926	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	248691	49.774	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	175027	49.973	ug/L	98
46) Tetrachloroethene	8.22	164	157424	47.696	ug/L	97
48) 2-Hexanone	8.36	43	356894	88.415	ug/L	99
49) Dibromochloromethane	8.47	129	203150	47.845	ug/L	99
50) 1,2-Dibromoethane	8.58	107	196386	50.610	ug/L	96
51) Chlorobenzene	9.12	112	510263	50.221	ug/L	99
52) Ethylbenzene	9.25	91	839607	49.939	ug/L	99
53) m,p-Xylene	9.37	106	329944	48.889	ug/L	98
54) o-xylene	9.78	106	334517	49.345	ug/L	100
55) Styrene	9.79	104	563531	49.243	ug/L	95
56) Isopropylbenzene	10.16	105	863780	48.693	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	301704	48.714	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	227140	48.481	ug/L	100
61) Bromoform	9.95	173	158781	43.890	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	419466	48.973	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	419769	48.699	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	431873	48.303	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	65283	46.921	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	325646	49.822	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	285371	50.479	ug/L	98
69) Naphthalene	13.74	128	898286	51.696	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	299740	49.929	ug/L	99

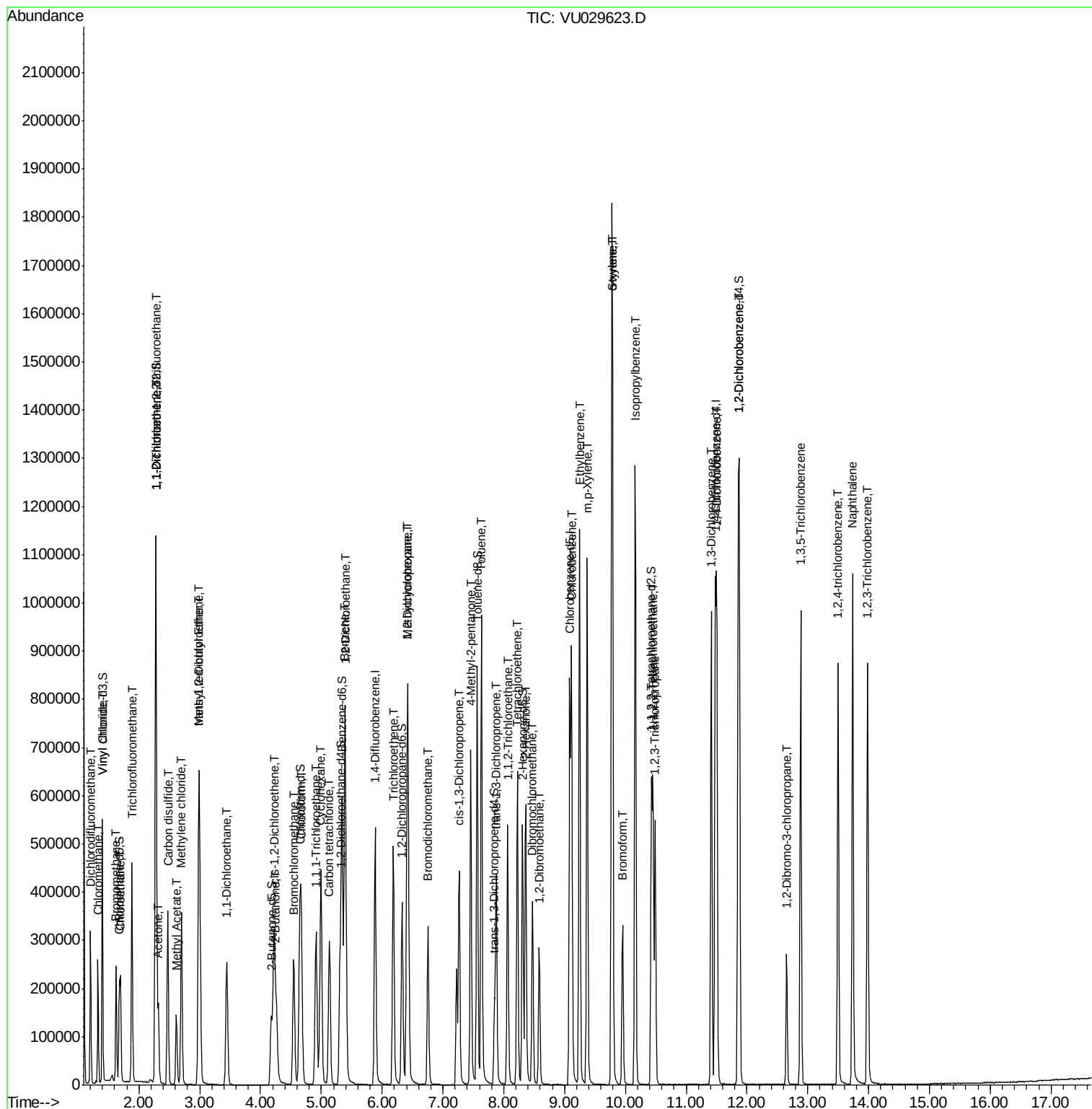
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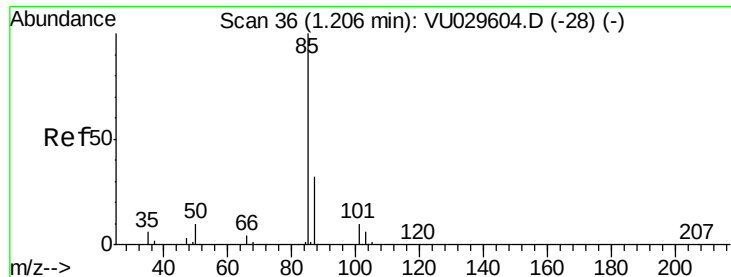
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#2

Dichlorodifluoromethane

Concen: 50.500 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

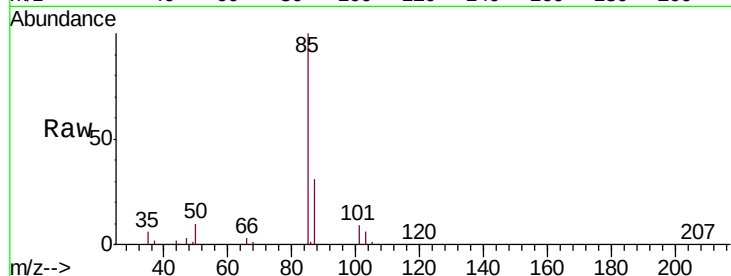
VSTD05054

Tgt Ion: 85 Resp: 169538

Ion Ratio Lower Upper

85 100

87 31.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.21

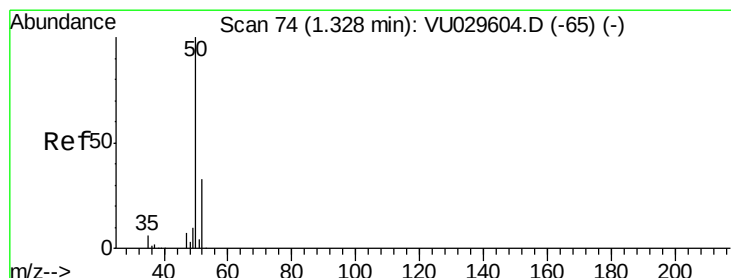
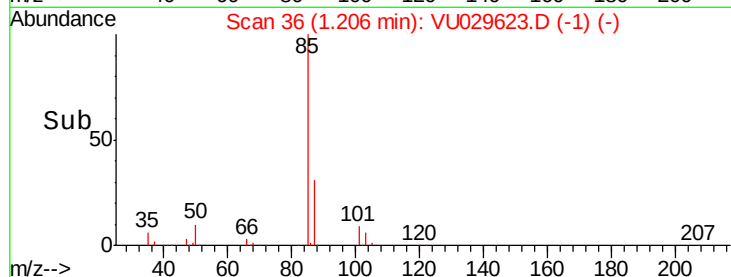
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.311 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029623.D

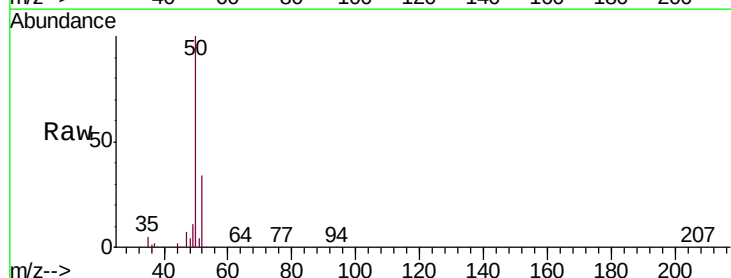
Acq: 22 Feb 2019 16:08

Tgt Ion: 50 Resp: 151120

Ion Ratio Lower Upper

50 100

52 33.5 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

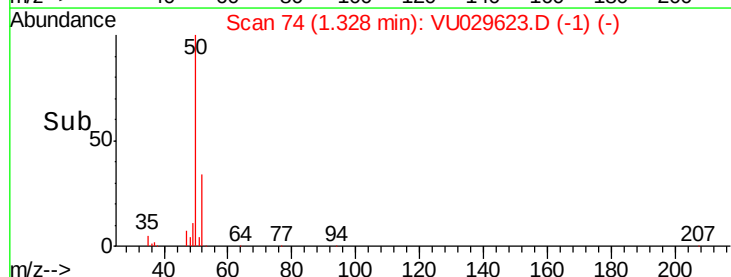
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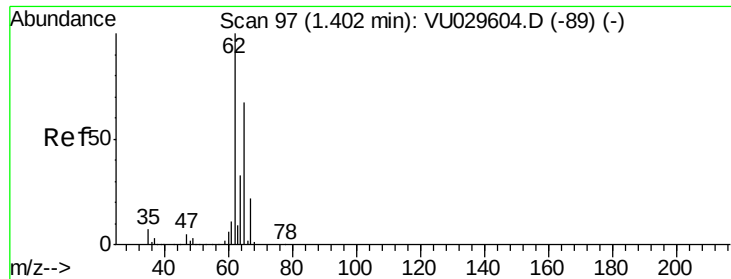
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.707 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

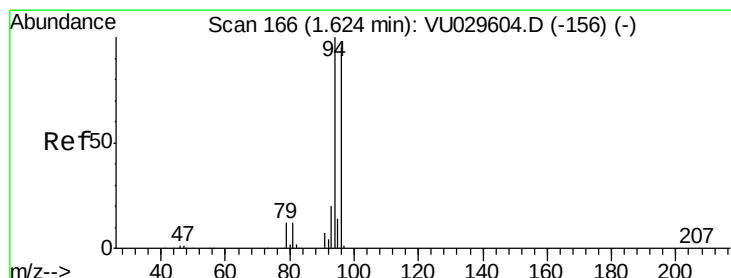
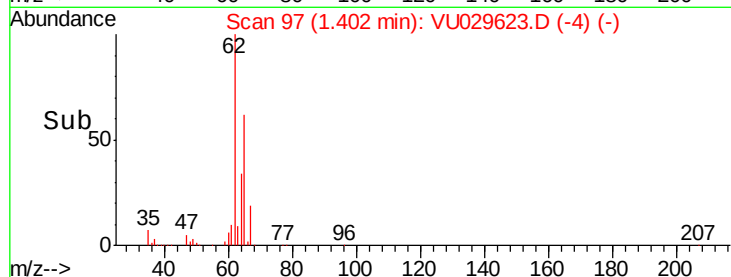
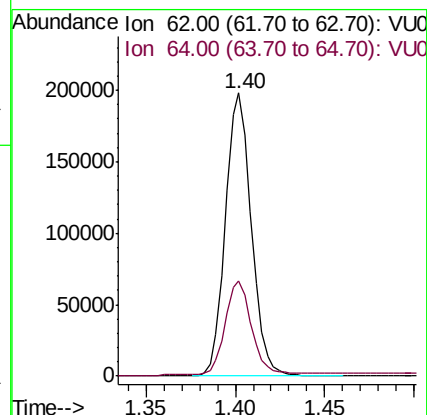
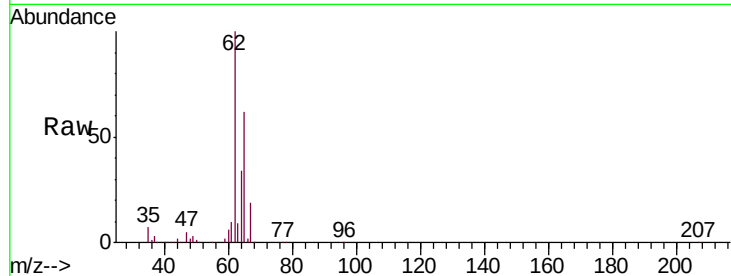
VSTD05054

Tgt Ion: 62 Resp: 198817

Ion Ratio Lower Upper

62 100

64 33.8 23.7 43.9



#6

Bromomethane

Concen: 60.692 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU029623.D

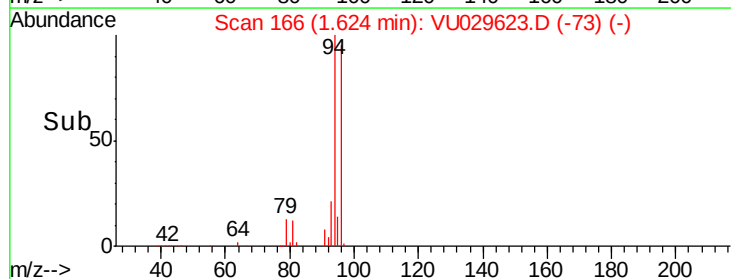
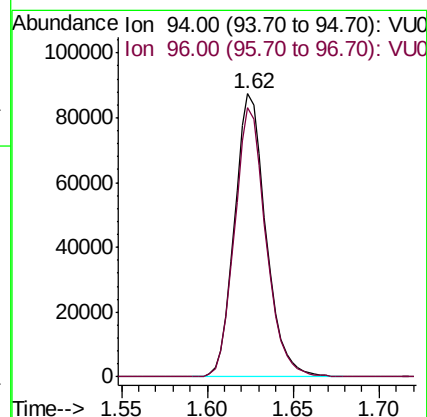
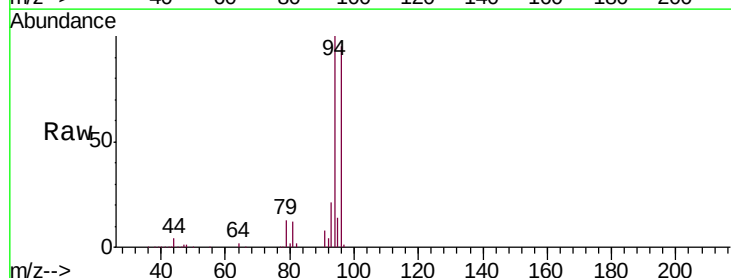
Acq: 22 Feb 2019 16:08

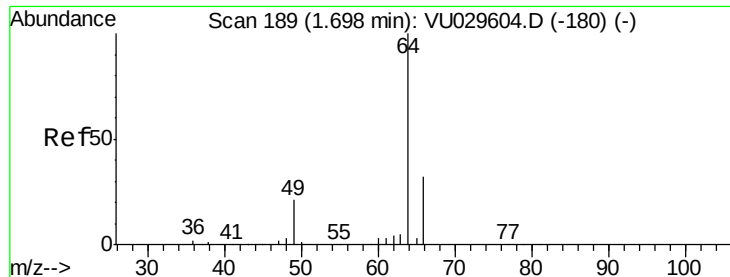
Tgt Ion: 94 Resp: 110790

Ion Ratio Lower Upper

94 100

96 95.1 66.4 123.2





#8

Chloroethane

Concen: 47.070 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

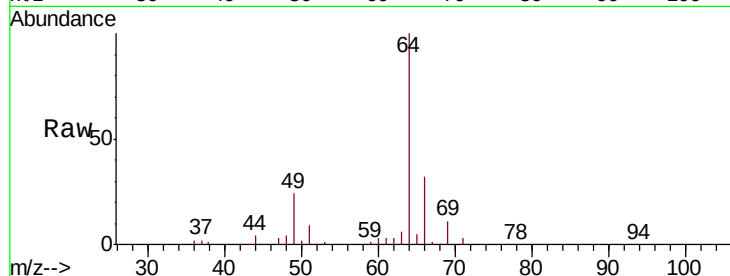
VSTD05054

Tgt Ion: 64 Resp: 125224

Ion Ratio Lower Upper

64 100

66 32.2 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VU029604.D (-180) (-)

Ion 66.00 (65.70 to 66.70): VU029604.D (-180) (-)

1.70

100000

80000

60000

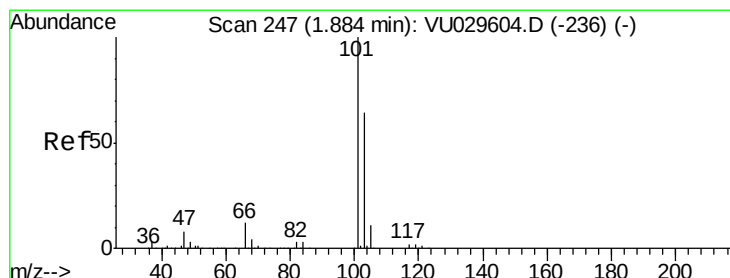
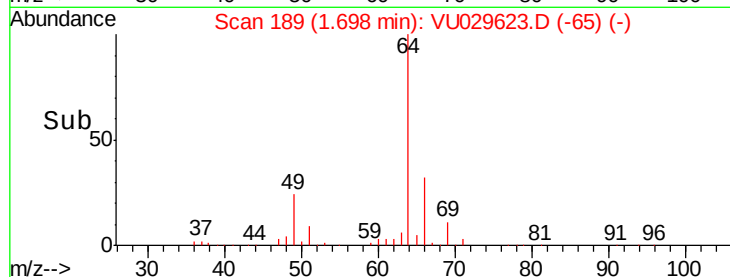
40000

20000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 44.245 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029623.D

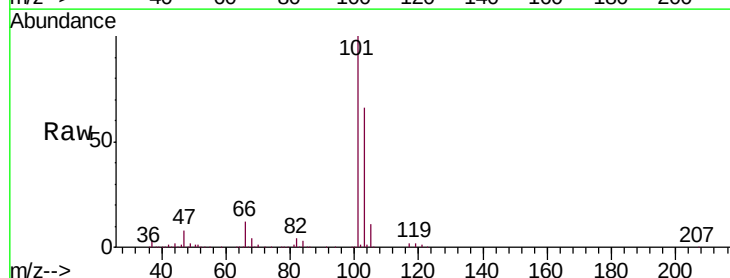
Acq: 22 Feb 2019 16:08

Tgt Ion: 101 Resp: 282106

Ion Ratio Lower Upper

101 100

103 65.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU029604.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU029604.D (-236) (-)

1.88

200000

150000

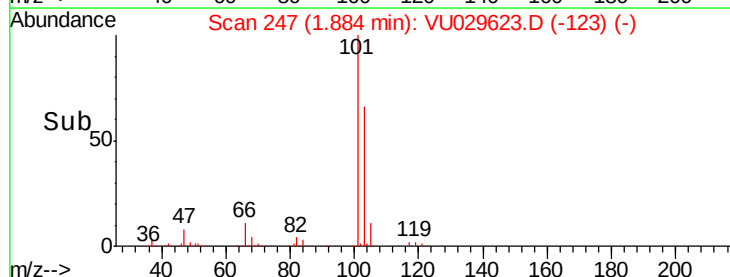
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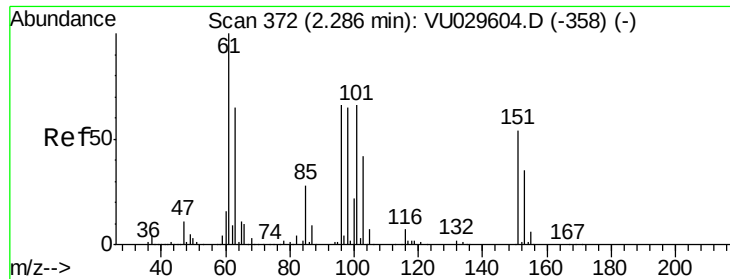
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 47.116 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

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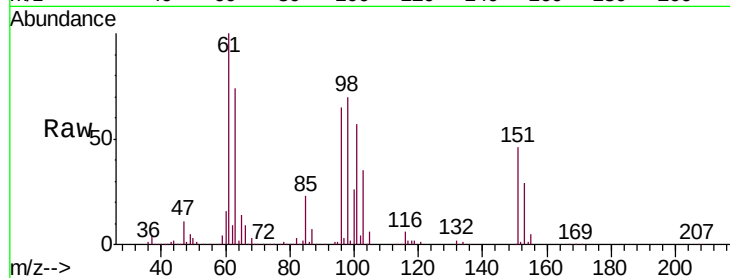
Tgt Ion: 101 Resp: 160694

Ion Ratio Lower Upper

101 100

85 41.2 33.0 49.6

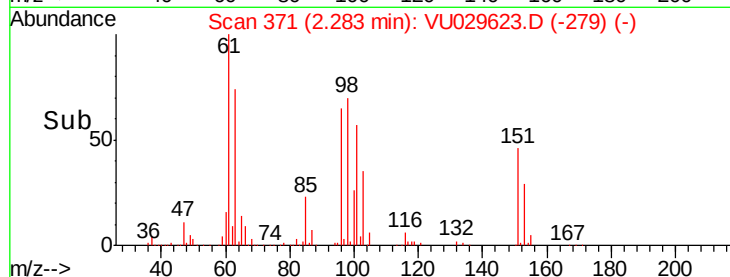
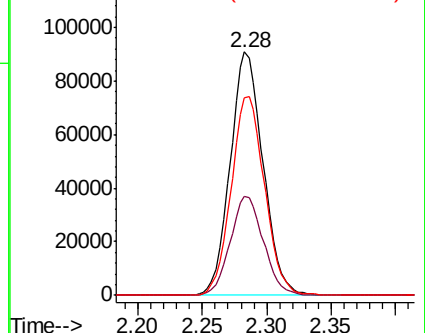
151 83.2 65.7 98.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.345 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

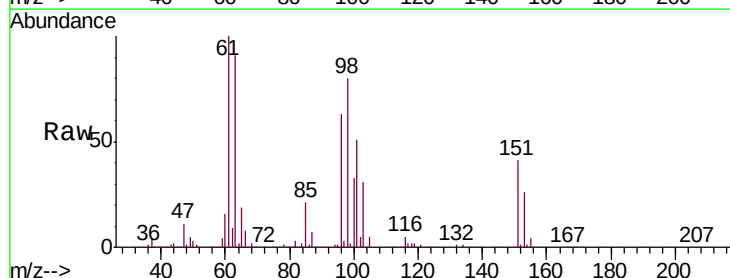
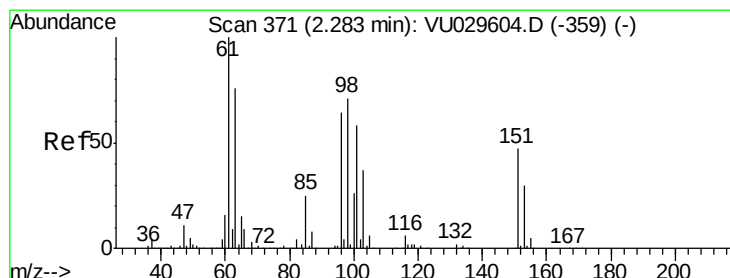
Tgt Ion: 96 Resp: 159997

Ion Ratio Lower Upper

96 100

61 158.5 114.0 211.8

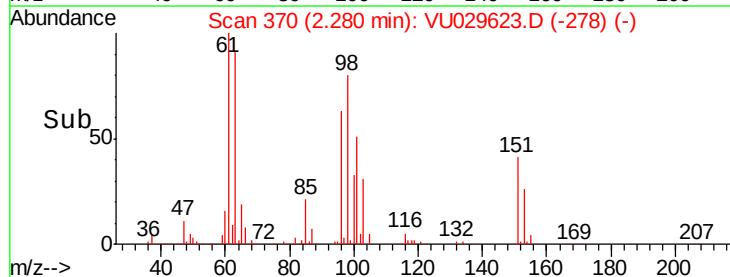
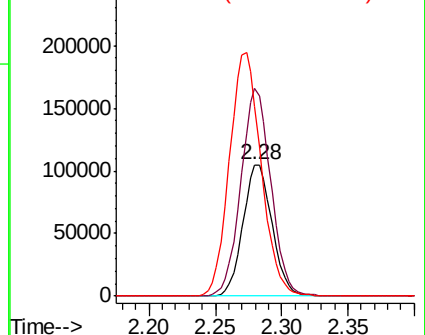
63 144.3 98.7 183.3

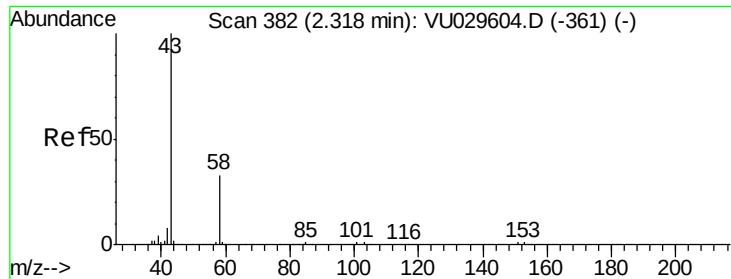


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

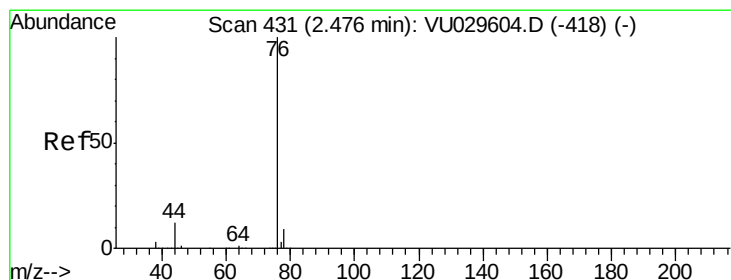
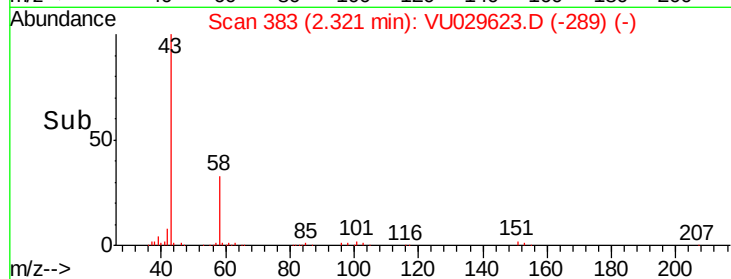
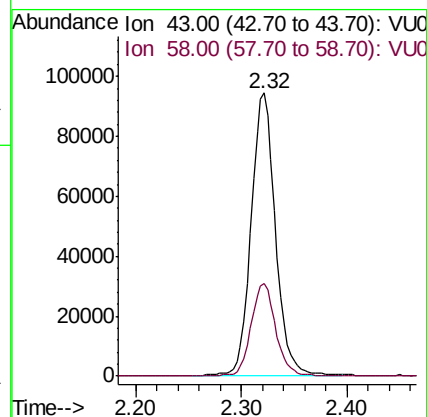
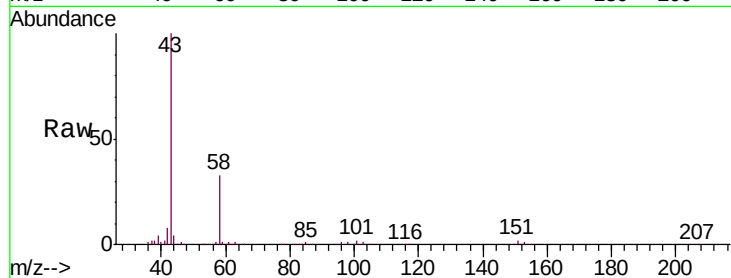




#13
Acetone
Concen: 64.662 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU029623.D
Acq: 22 Feb 2019 16:08

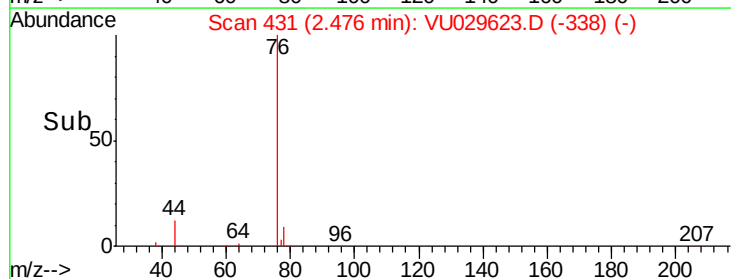
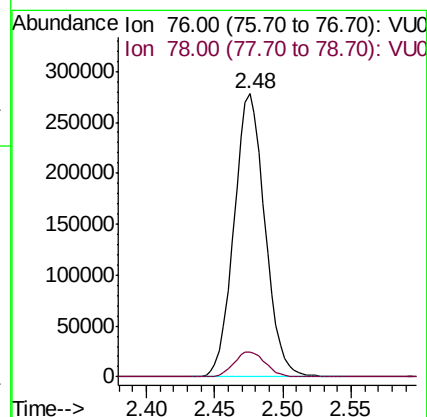
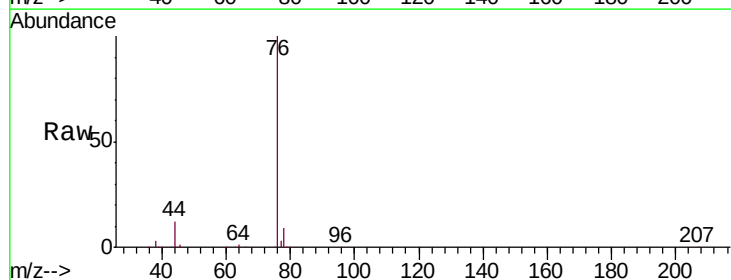
Instrument :
MSVOA_U
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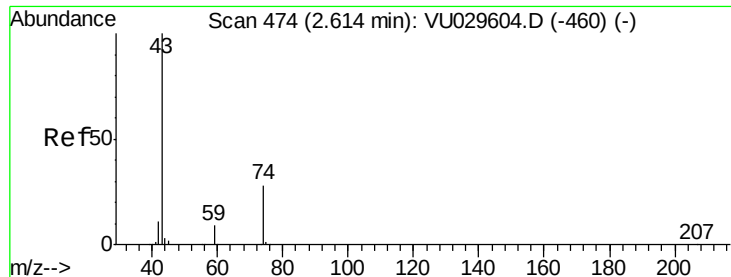
Tgt Ion: 43 Resp: 150862
Ion Ratio Lower Upper
43 100
58 33.3 0.0 66.8



#14
Carbon disulfide
Concen: 51.549 ug/L
RT: 2.48 min Scan# 431
Delta R.T. -0.00 min
Lab File: VU029623.D
Acq: 22 Feb 2019 16:08

Tgt Ion: 76 Resp: 437743
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

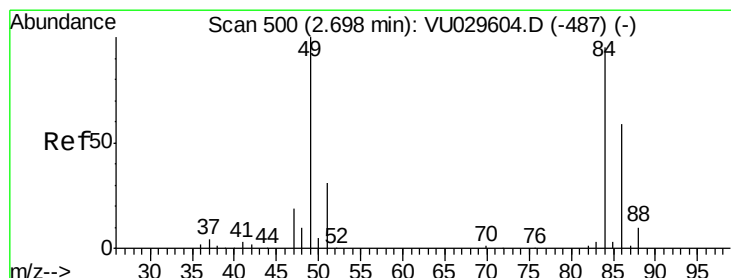
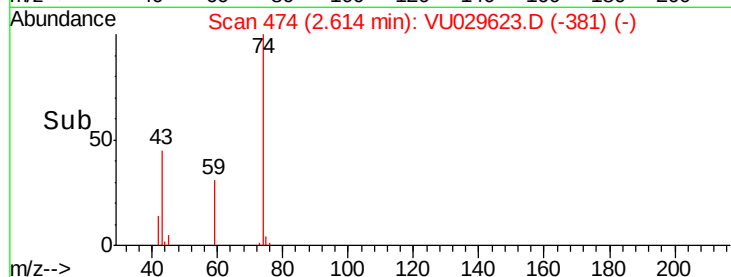
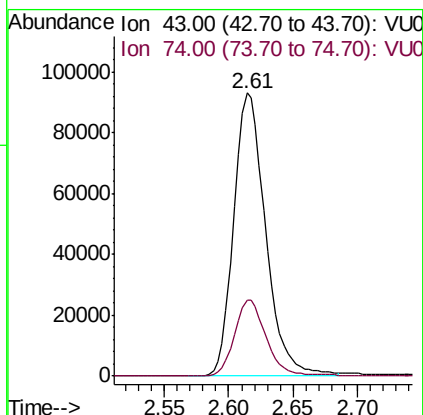
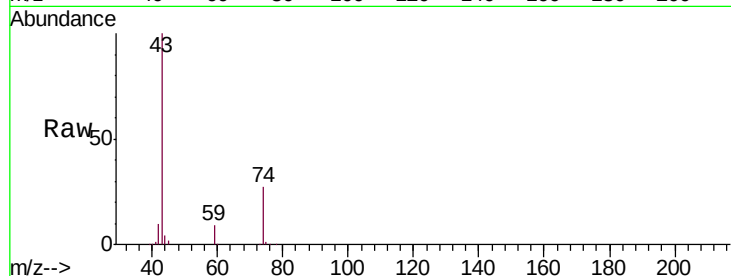




#15
Methyl Acetate
Concen: 52.778 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU029623.D
Acq: 22 Feb 2019 16:08

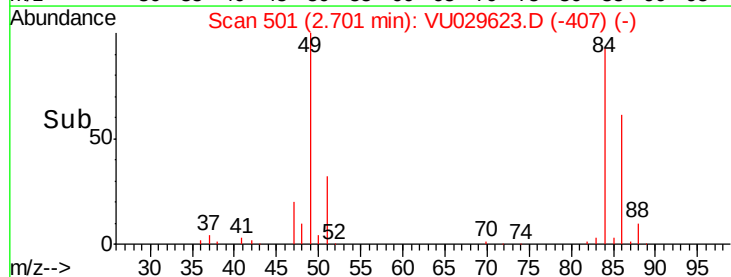
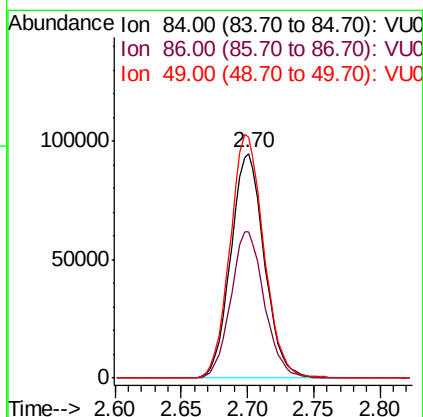
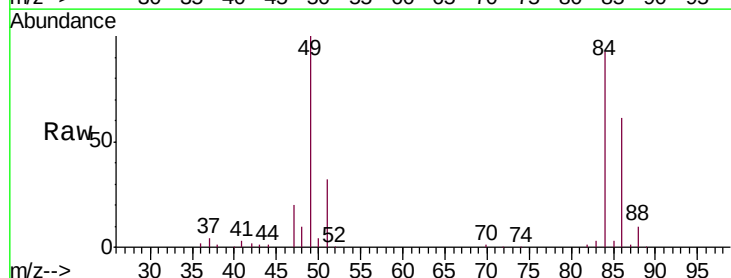
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

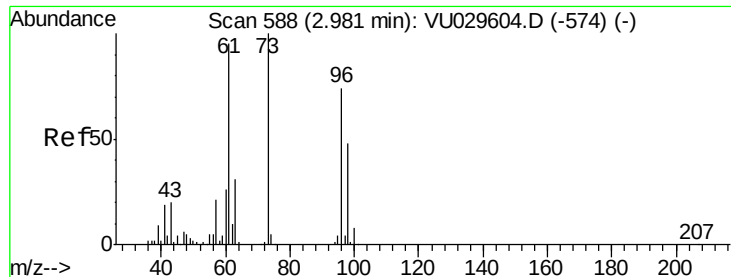
Tgt Ion: 43 Resp: 159827
Ion Ratio Lower Upper
43 100
74 26.3 21.5 32.3



#16
Methylene chloride
Concen: 53.260 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU029623.D
Acq: 22 Feb 2019 16:08

Tgt Ion: 84 Resp: 167102
Ion Ratio Lower Upper
84 100
86 65.1 45.8 85.0
49 107.5 75.1 139.5





#17

trans-1,2-Dichloroethene

Concen: 52.422 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

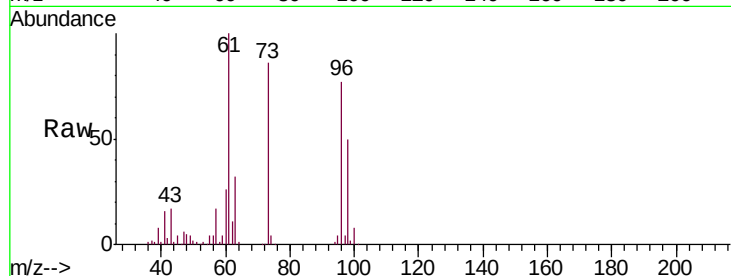
Tgt Ion: 96 Resp: 156882

Ion Ratio Lower Upper

96 100

61 130.1 88.3 163.9

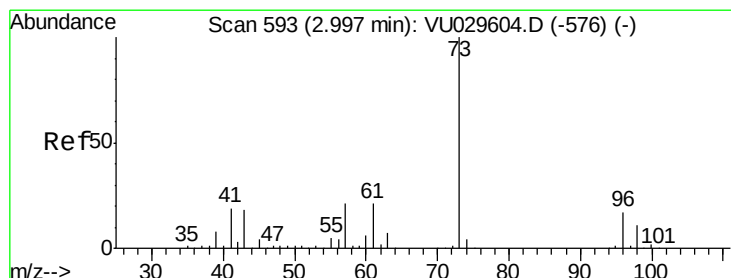
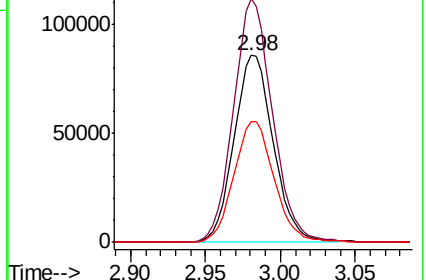
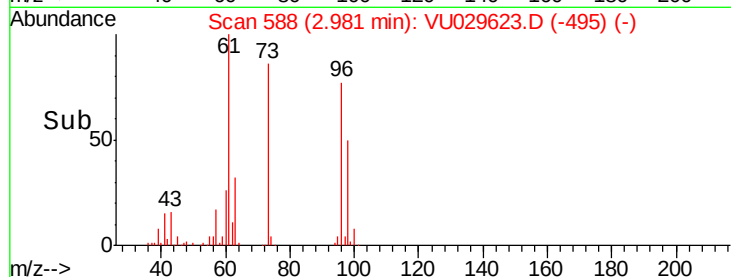
98 64.5 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VU029623.D (-500) (-)

Ion 61.00 (60.70 to 61.70): VU029623.D (-500) (-)

Ion 98.00 (97.70 to 98.70): VU029623.D (-500) (-)



#18

Methyl tert-butyl Ether

Concen: 51.651 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

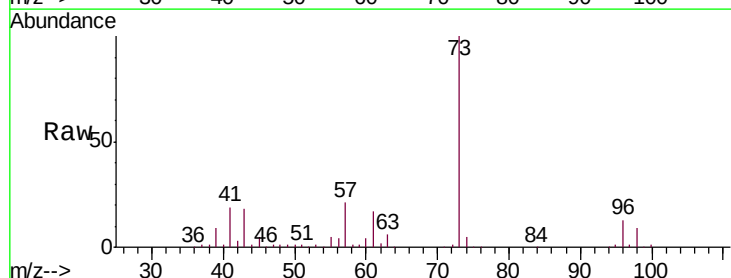
Tgt Ion: 73 Resp: 478563

Ion Ratio Lower Upper

73 100

43 18.4 14.8 22.2

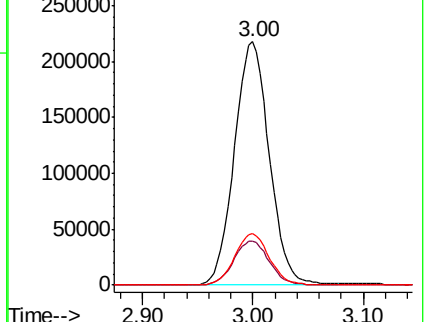
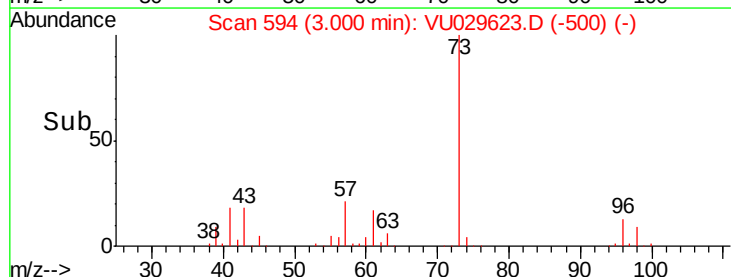
57 20.9 16.5 24.7

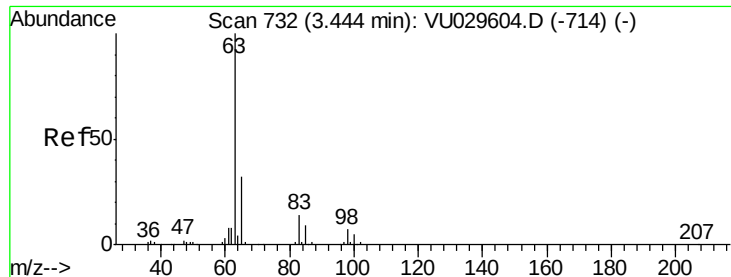


Abundance Ion 73.00 (72.70 to 73.70): VU029623.D (-500) (-)

Ion 43.00 (42.70 to 43.70): VU029623.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU029623.D (-500) (-)

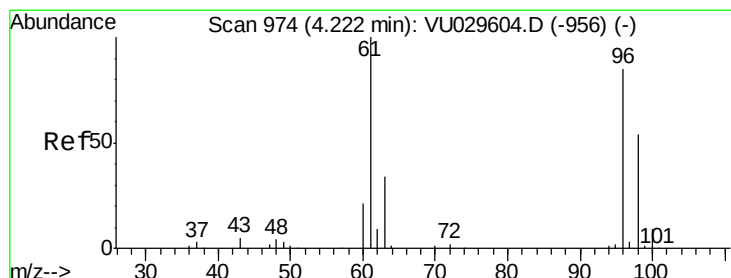
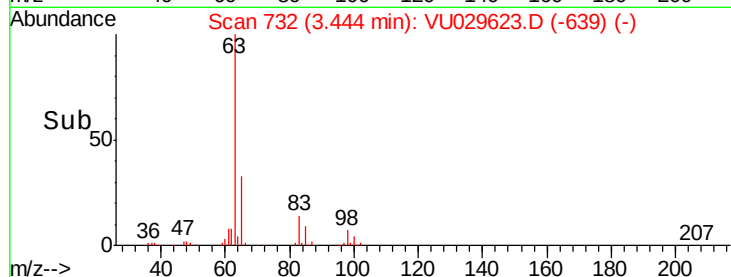
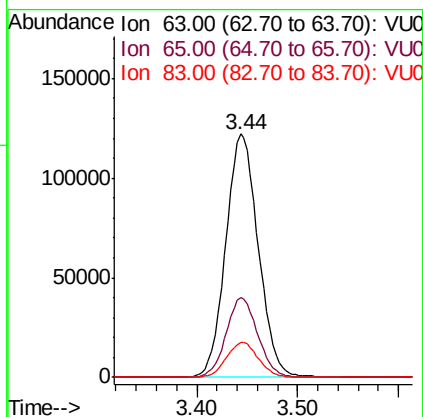
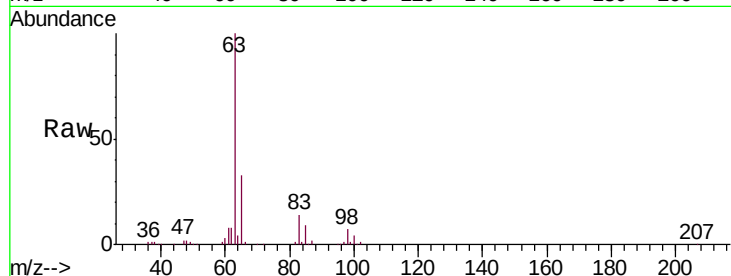




#19
 1,1-Dichloroethane
 Concen: 52.992 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

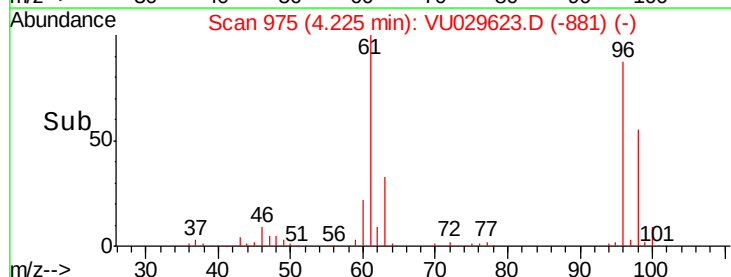
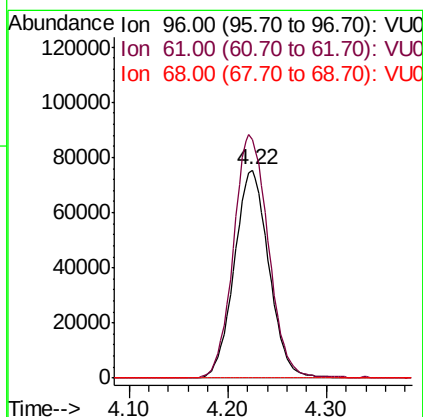
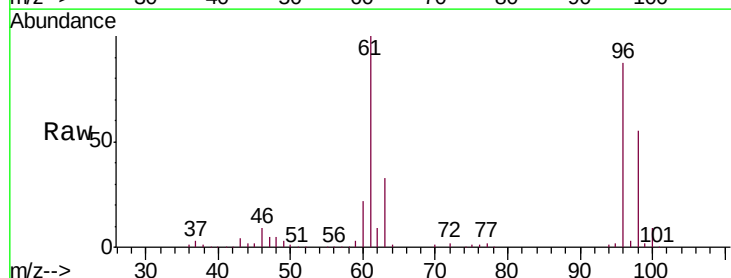
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

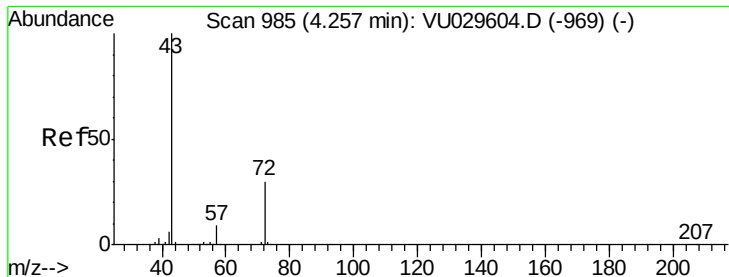
Tgt Ion: 63 Resp: 274221
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.3 41.3
 83 14.2 9.9 18.3



#20
 cis-1,2-Dichloroethene
 Concen: 52.858 ug/L
 RT: 4.22 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

Tgt Ion: 96 Resp: 183808
 Ion Ratio Lower Upper
 96 100
 61 114.7 83.9 155.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 85.436 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

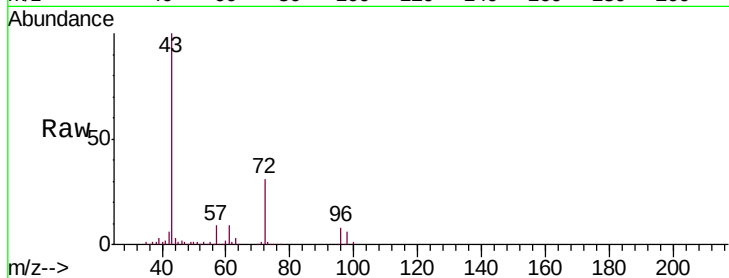
VSTD05054

Tgt Ion: 43 Resp: 227485

Ion Ratio Lower Upper

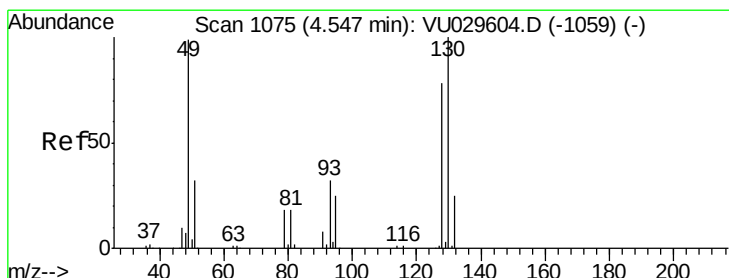
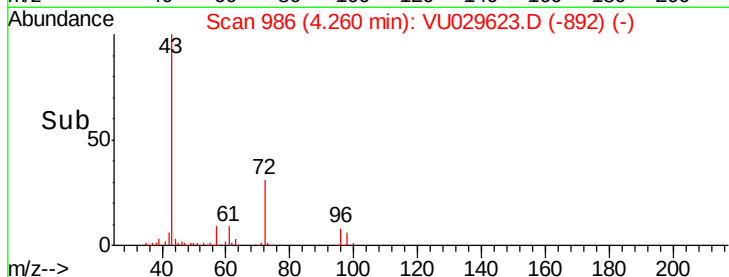
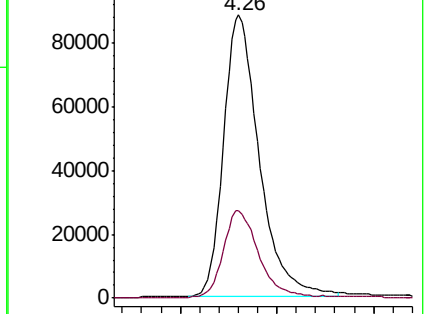
43 100

72 31.1 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU029604.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU029604.D (-969) (-)



#23

Bromochloromethane

Concen: 51.265 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Tgt Ion: 128 Resp: 97725

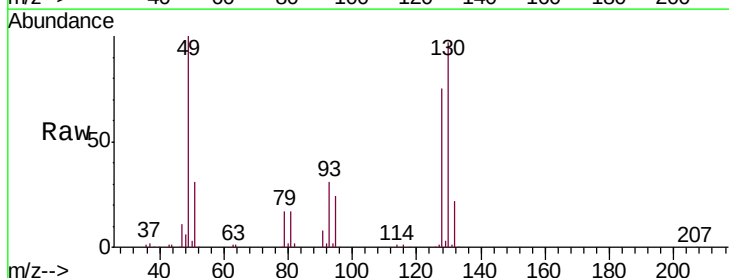
Ion Ratio Lower Upper

128 100

49 132.8 85.9 159.5

130 128.7 91.3 169.5

51 41.4 32.2 48.2

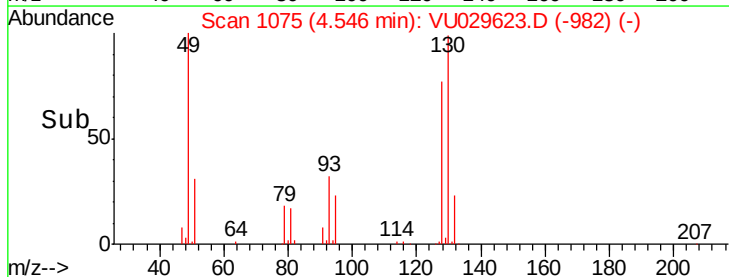
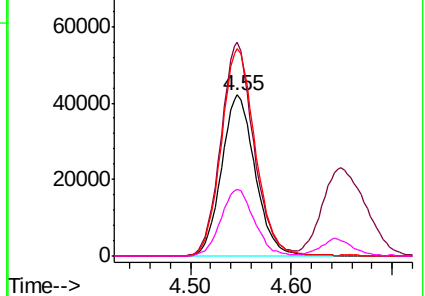


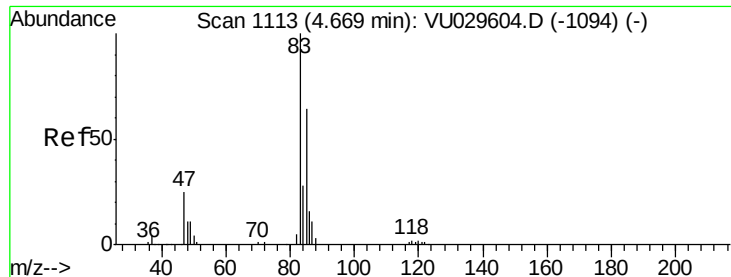
Abundance Ion 128.00 (127.70 to 128.70): VU029604.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU029604.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU029604.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU029604.D (-1059) (-)

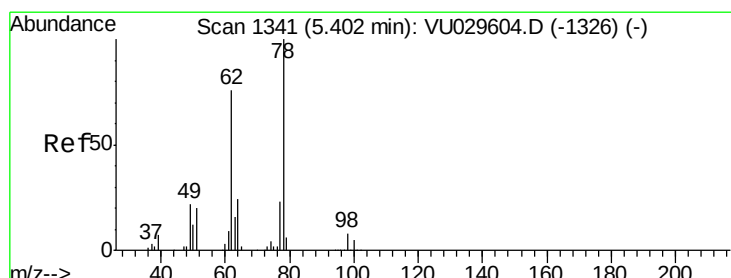
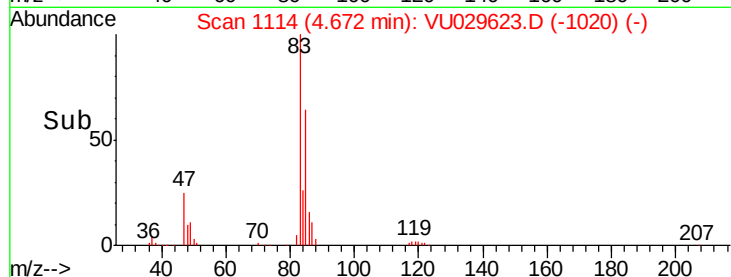
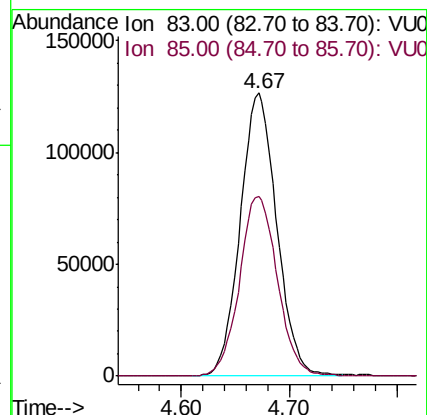
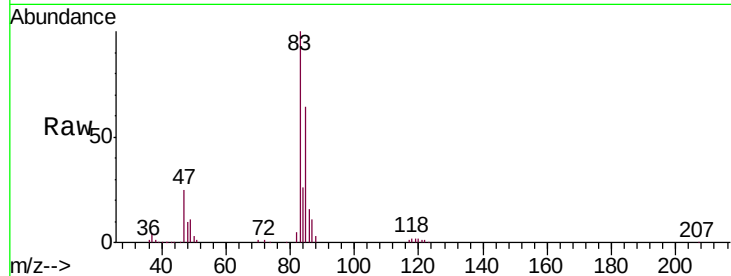




#25
Chloroform
Concen: 51.701 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029623.D
Acq: 22 Feb 2019 16:08

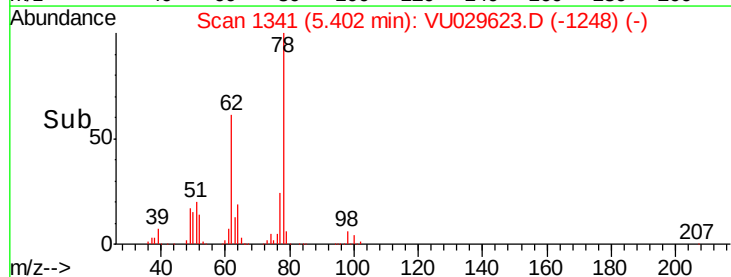
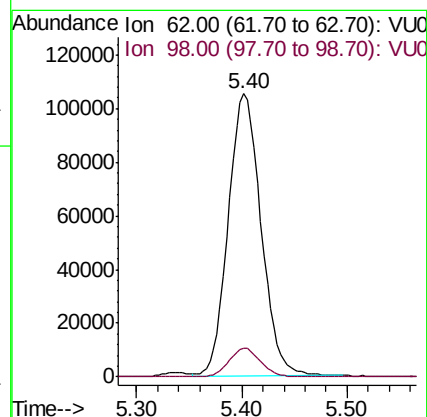
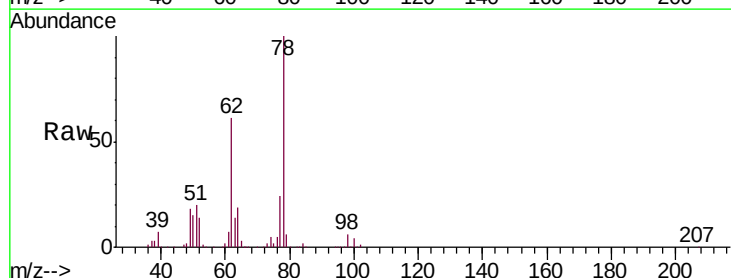
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

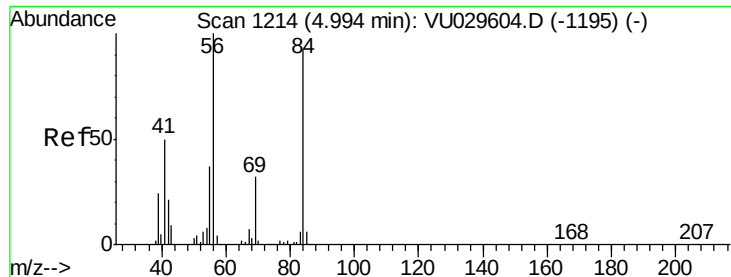
Tgt Ion: 83 Resp: 298501
Ion Ratio Lower Upper
83 100
85 63.7 45.4 84.2



#27
1,2-Dichloroethane
Concen: 51.320 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU029623.D
Acq: 22 Feb 2019 16:08

Tgt Ion: 62 Resp: 227808
Ion Ratio Lower Upper
62 100
98 10.2 7.8 11.8

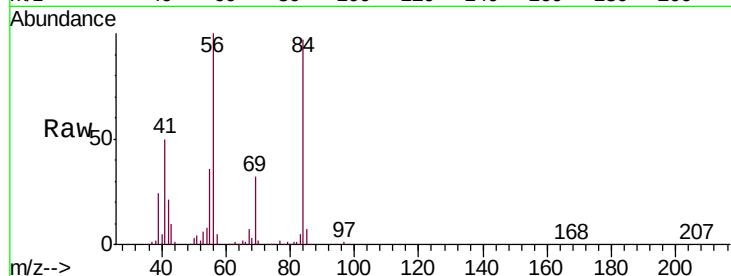




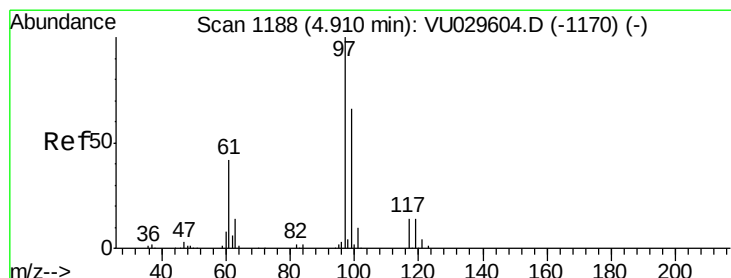
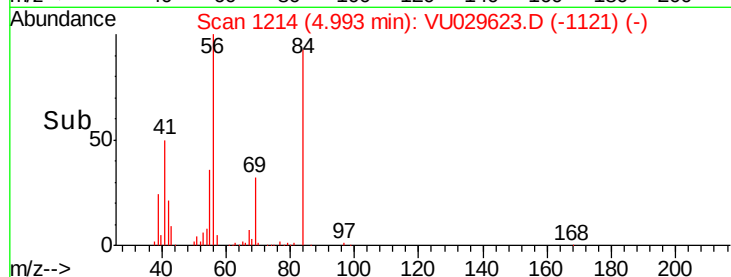
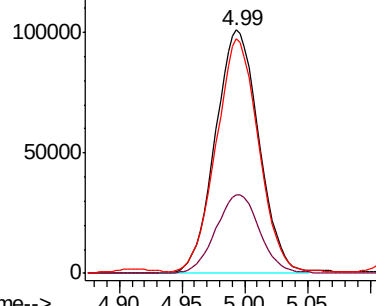
#29
Cyclohexane
Concen: 50.640 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU029623.D
Acq: 22 Feb 2019 16:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion: 56 Resp: 244677
Ion Ratio Lower Upper
56 100
69 32.7 25.7 38.5
84 93.2 77.1 115.7

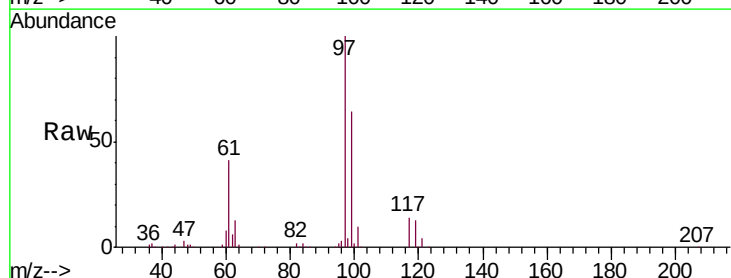


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

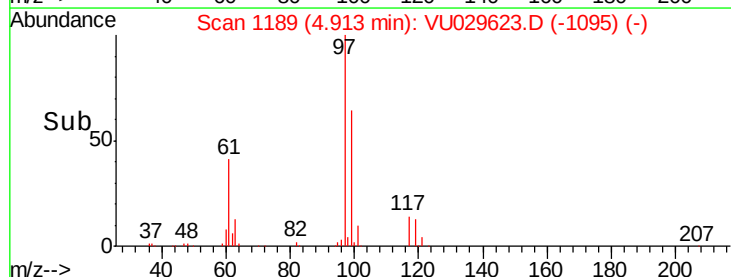
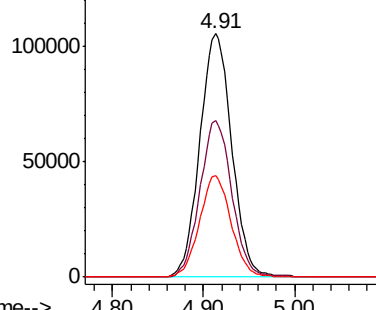


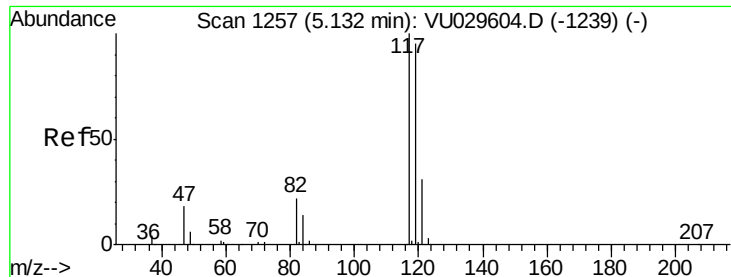
#30
1,1,1-Trichloroethane
Concen: 49.745 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU029623.D
Acq: 22 Feb 2019 16:08

Tgt Ion: 97 Resp: 257520
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.0
61 41.2 32.3 48.5



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 47.408 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

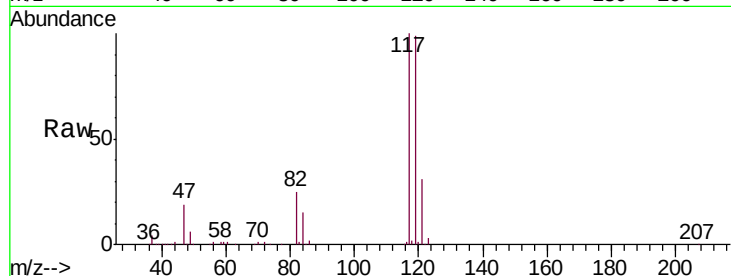
VSTD05054

Tgt Ion:117 Resp: 222129

Ion Ratio Lower Upper

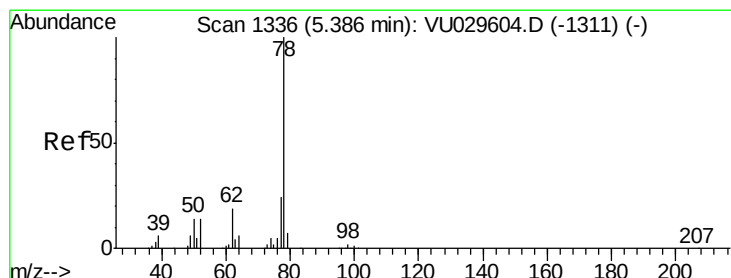
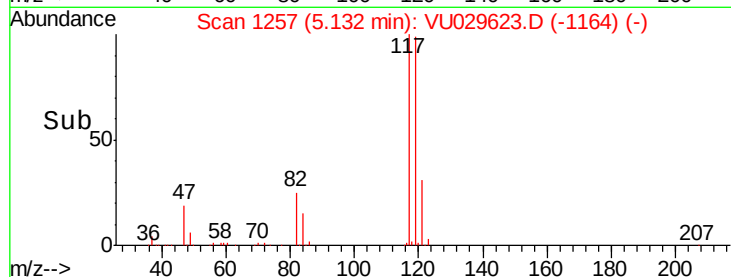
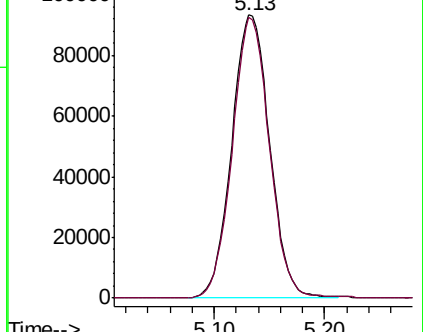
117 100

119 96.7 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.234 ug/L

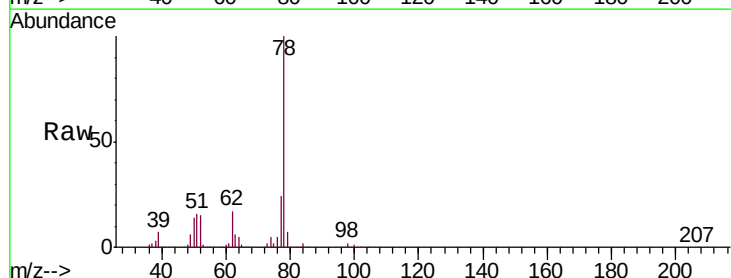
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

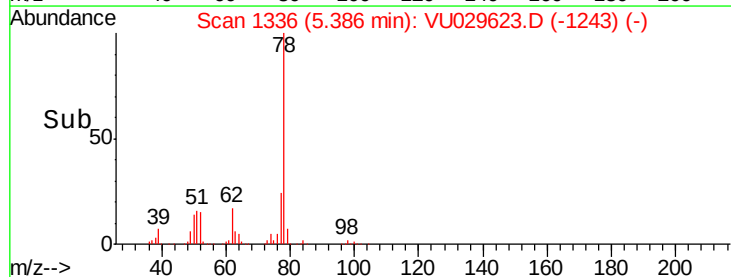
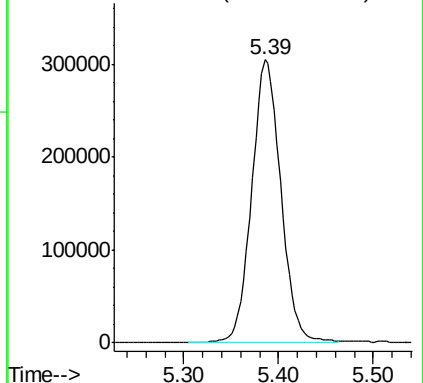
Lab File: VU029623.D

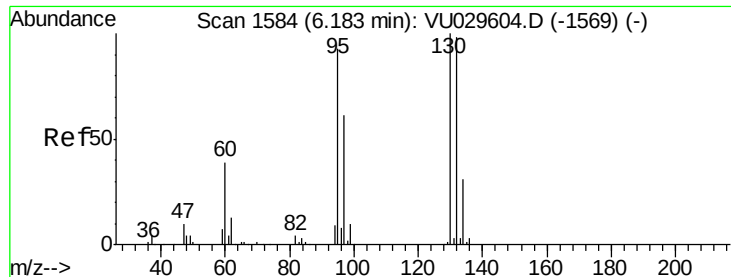
Acq: 22 Feb 2019 16:08

Tgt Ion: 78 Resp: 653851



Abundance Ion 78.00 (77.70 to 78.70): VU0

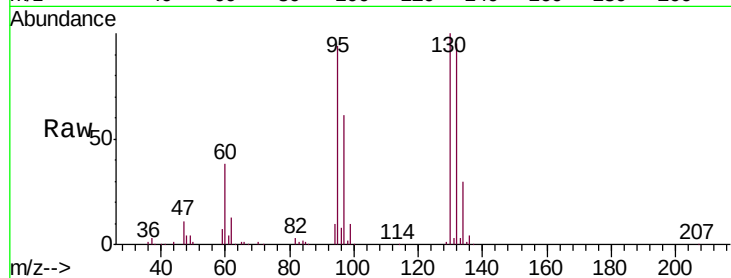




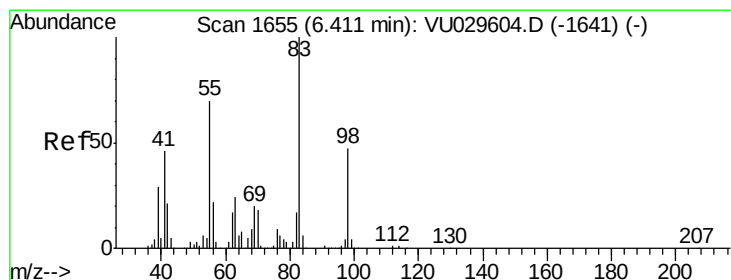
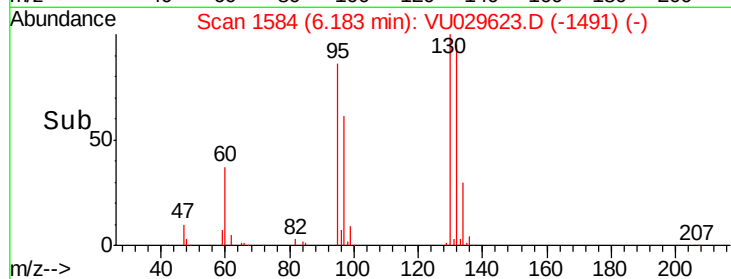
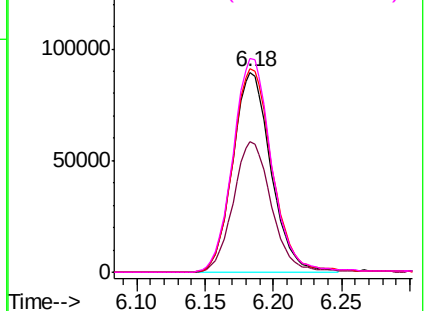
#34
 Trichloroethene
 Concen: 51.618 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion: 95 Resp: 174063
 Ion Ratio Lower Upper
 95 100
 97 65.1 44.6 82.8
 132 102.0 74.6 138.6
 130 106.9 77.2 143.4

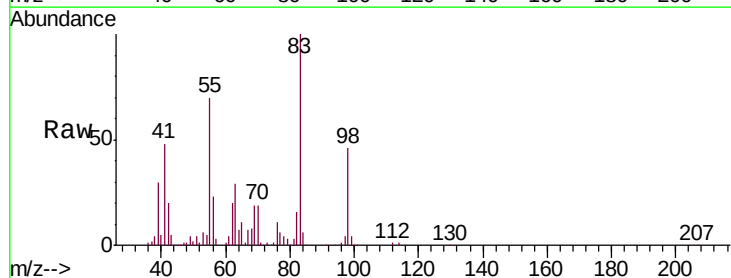


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

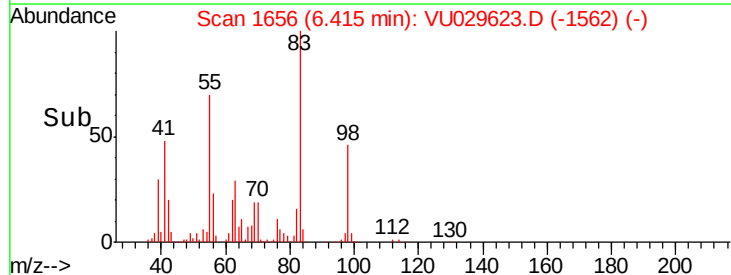
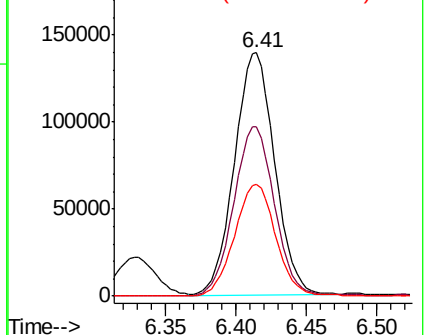


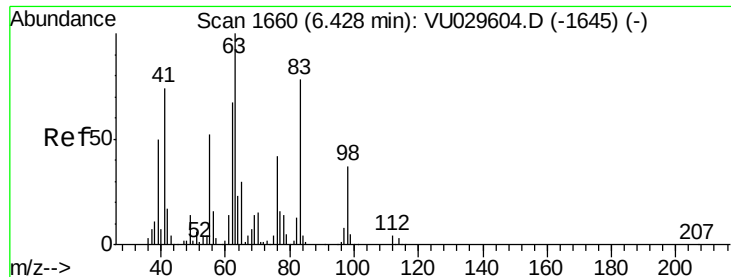
#35
 Methylcyclohexane
 Concen: 49.544 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

Tgt Ion: 83 Resp: 277453
 Ion Ratio Lower Upper
 83 100
 55 71.6 55.2 82.8
 98 47.4 39.4 59.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

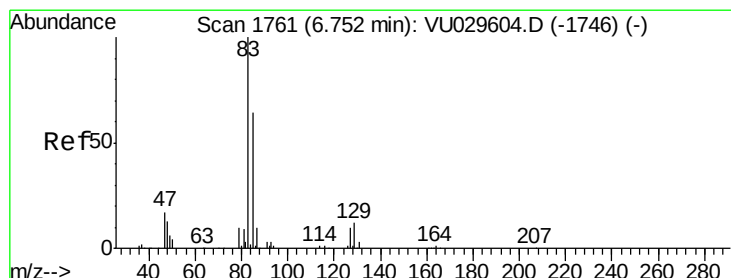
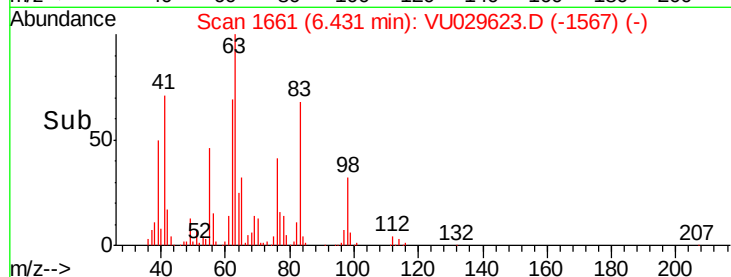
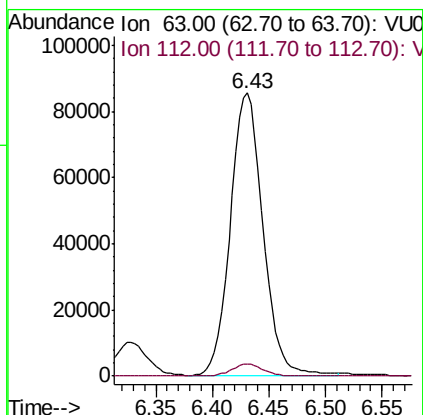
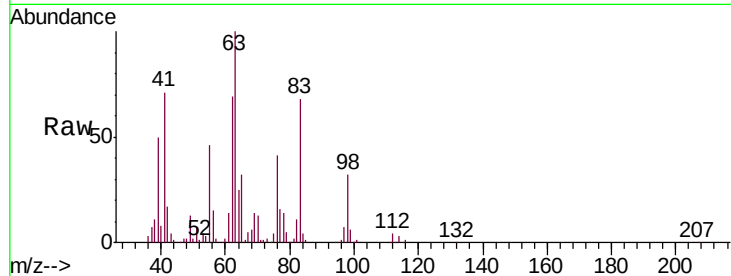




#37
 1,2-Dichloropropane
 Concen: 51.914 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

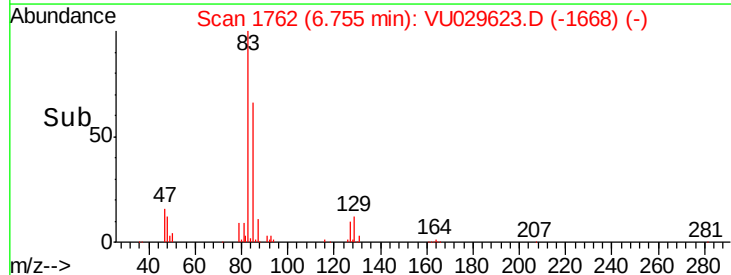
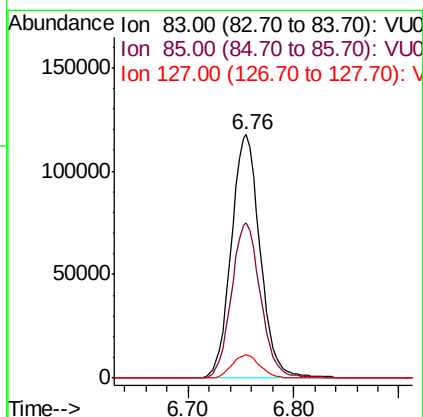
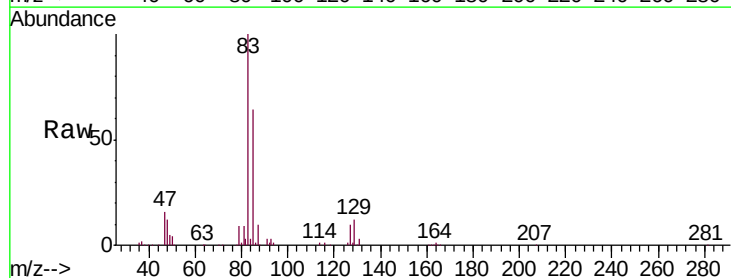
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05054

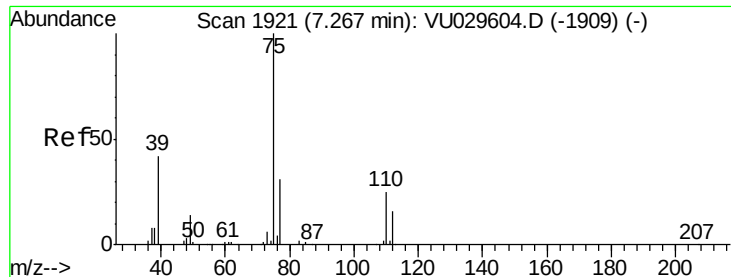
Tgt Ion: 63 Resp: 170586
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 49.975 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

Tgt Ion: 83 Resp: 221385
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.2 82.0
 127 9.7 8.3 12.5

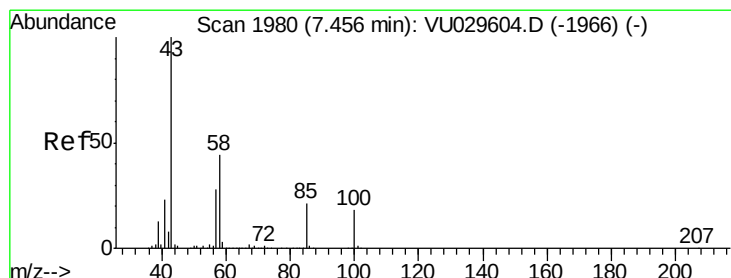
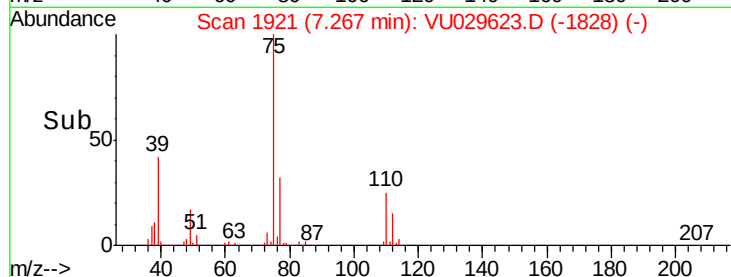
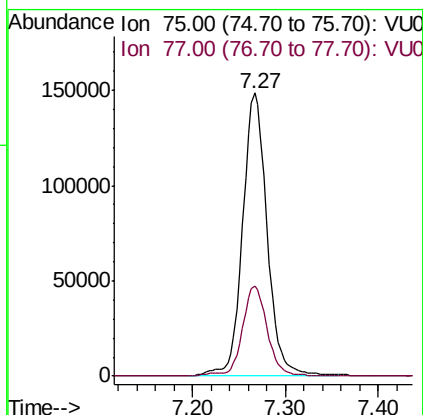
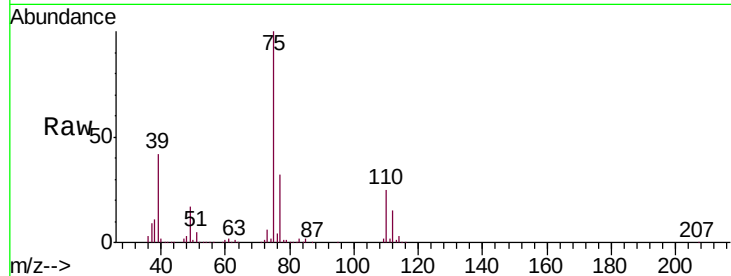




#39
 cis-1,3-Dichloropropene
 Concen: 51.590 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

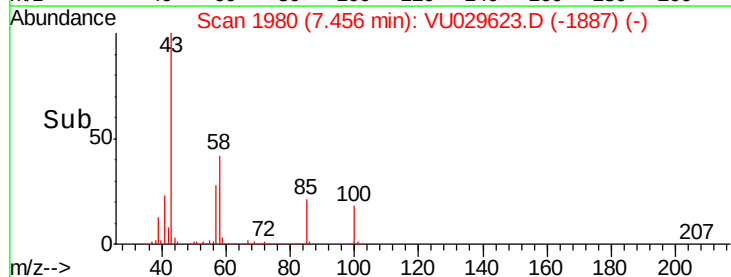
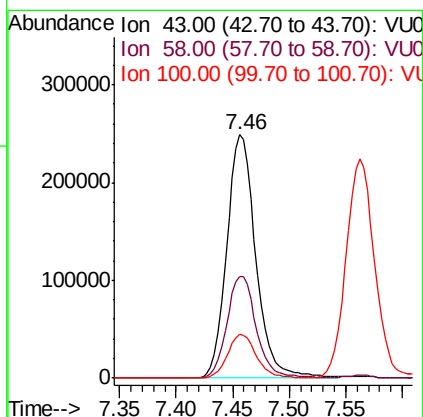
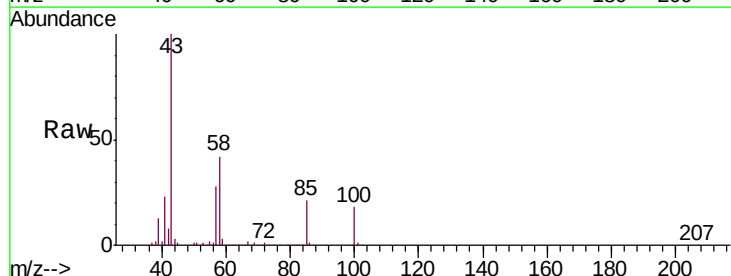
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

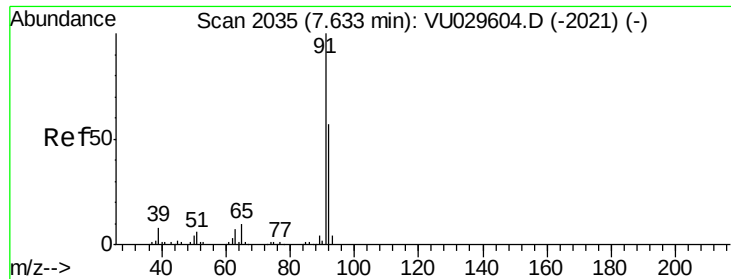
Tgt Ion: 75 Resp: 273504
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 96.259 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

Tgt Ion: 43 Resp: 444788
 Ion Ratio Lower Upper
 43 100
 58 42.6 33.0 49.4
 100 17.9 14.5 21.7





#42

Toluene

Concen: 50.926 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

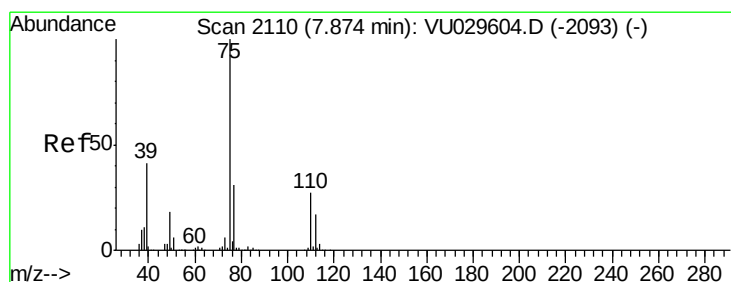
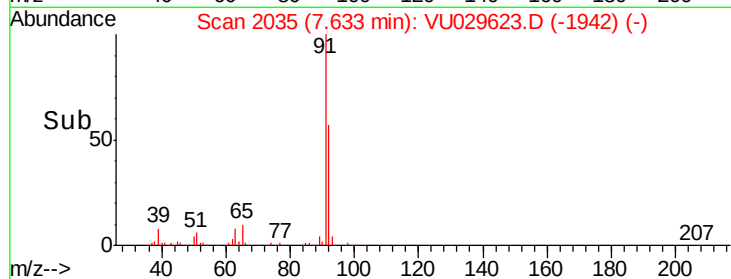
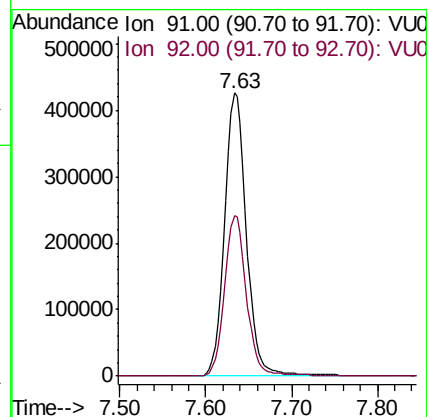
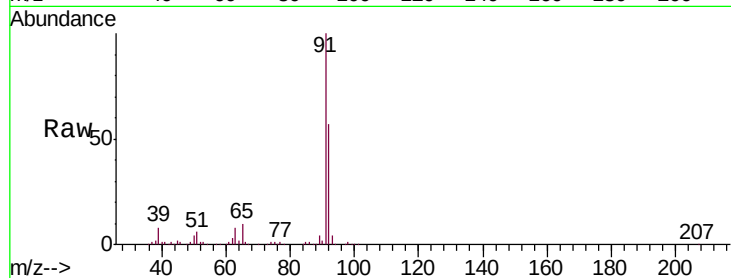
VSTD05054

Tgt Ion: 91 Resp: 753866

Ion Ratio Lower Upper

91 100

92 56.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 49.774 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029623.D

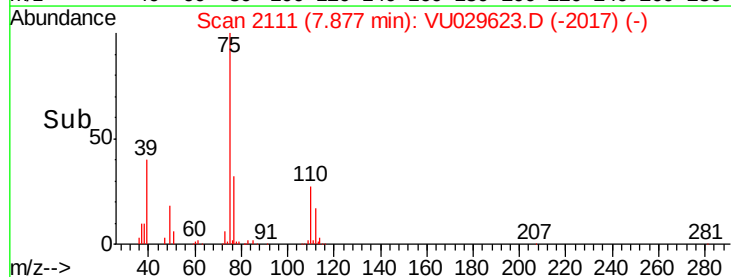
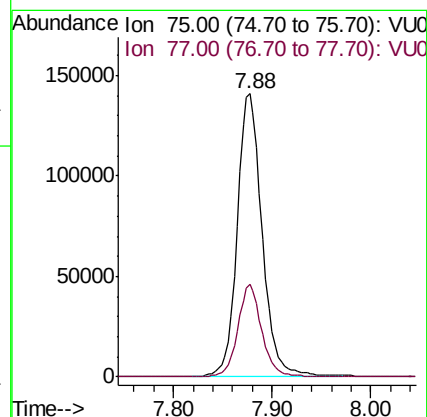
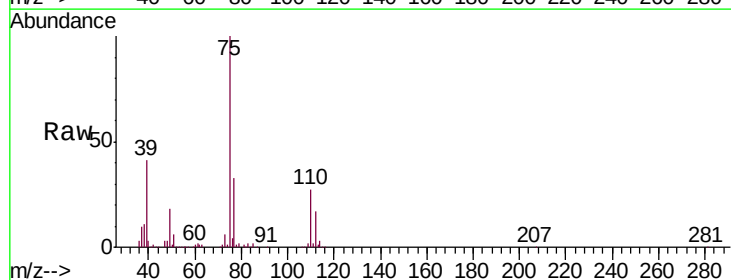
Acq: 22 Feb 2019 16:08

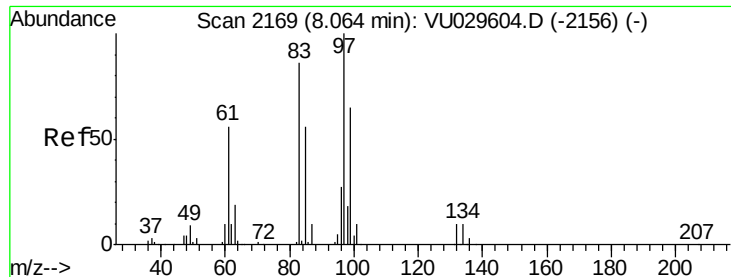
Tgt Ion: 75 Resp: 248691

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1

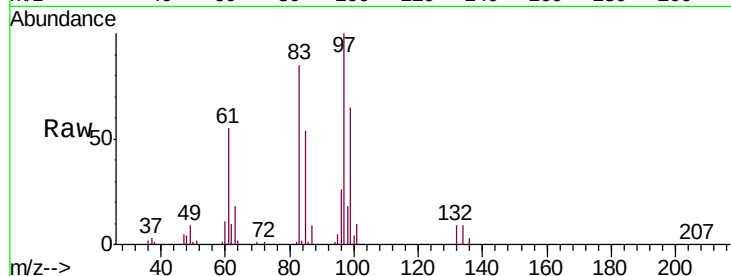




#45
 1,1,2-Trichloroethane
 Concen: 49.973 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion:	97	Resp:	175027
Ion	Ratio	Lower	Upper
97	100		
99	64.5	43.8	81.3
83	84.8	57.7	107.1
85	53.8	38.5	71.5



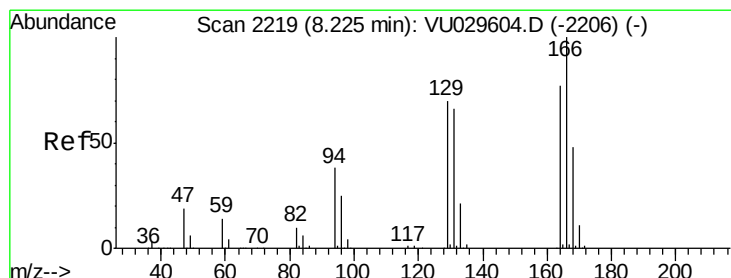
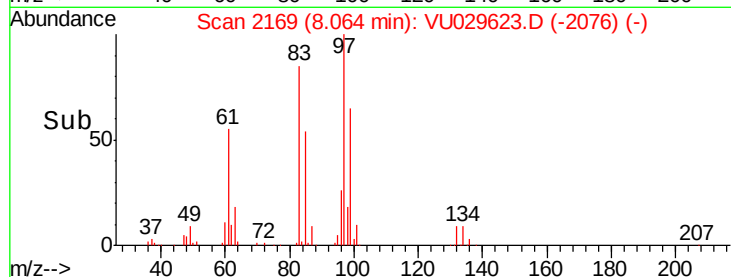
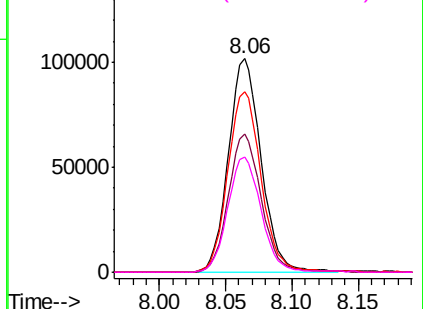
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

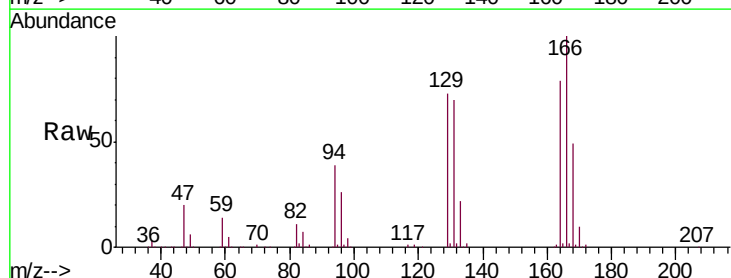
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 47.696 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

Tgt Ion:	164	Resp:	157424
Ion	Ratio	Lower	Upper
164	100		
129	92.9	62.1	115.3
131	88.6	60.1	111.5
166	127.1	89.7	166.5



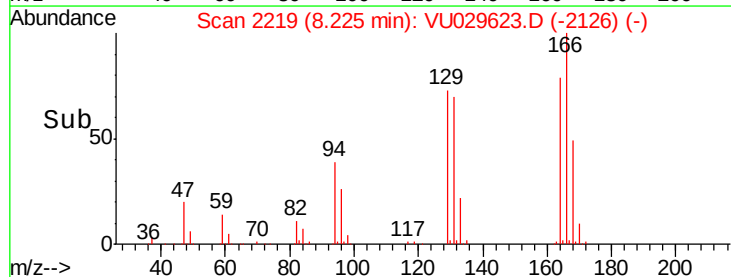
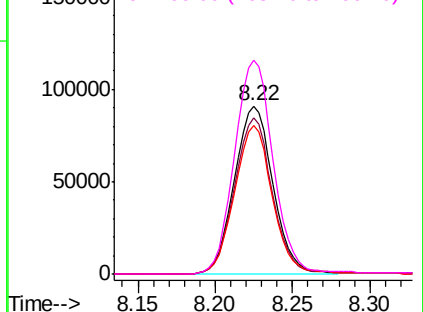
Abundance

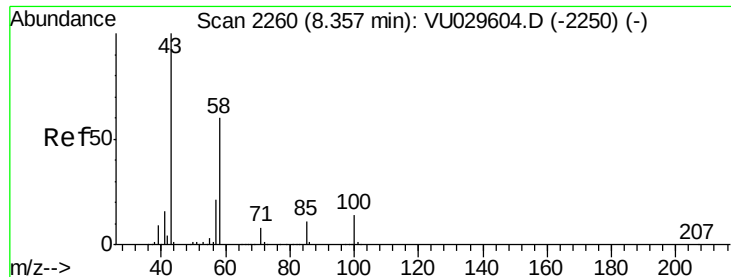
Ion 164.00 (163.70 to 164.70): V

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

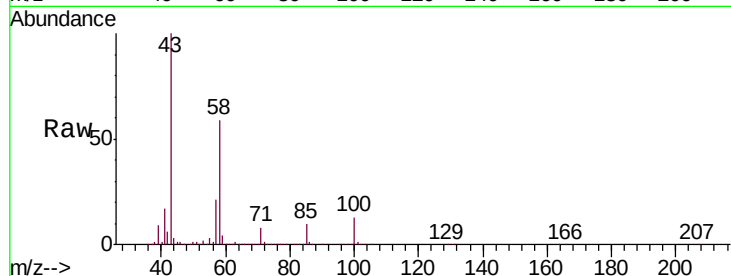




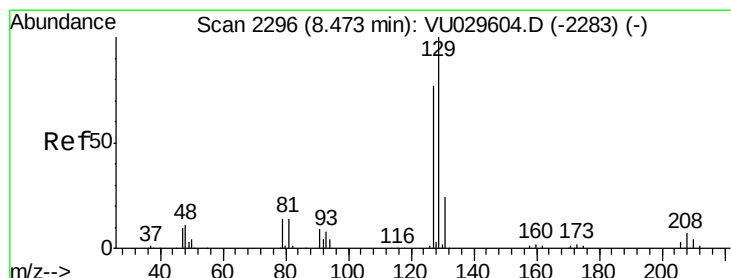
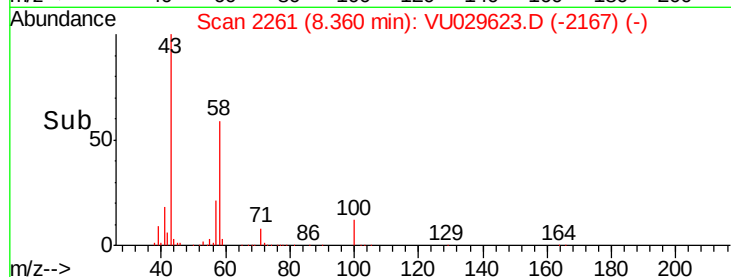
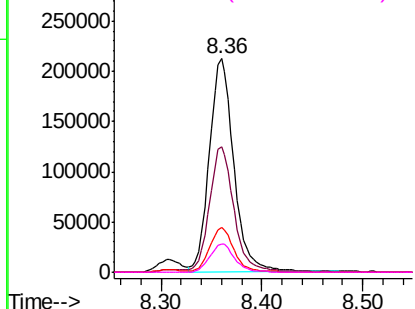
#48
2-Hexanone
Concen: 88.415 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU029623.D
Acq: 22 Feb 2019 16:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion: 43 Resp: 356894
Ion Ratio Lower Upper
43 100
58 57.3 46.4 69.6
57 20.5 15.7 23.5
100 13.6 10.9 16.3

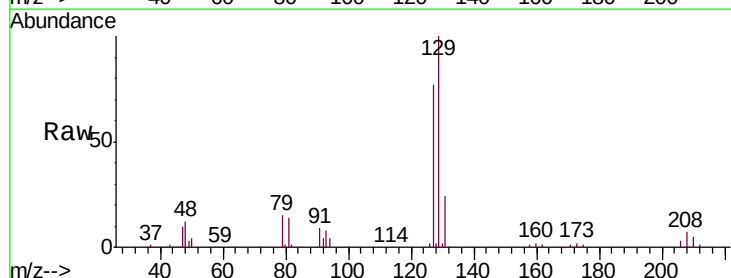


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

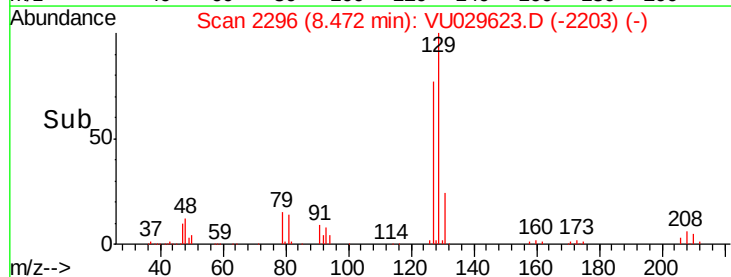
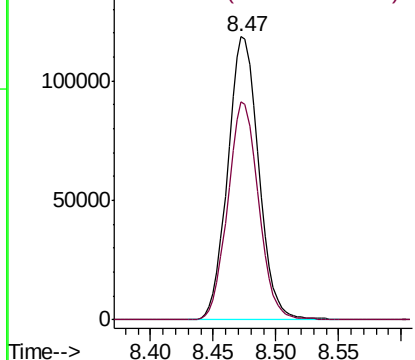


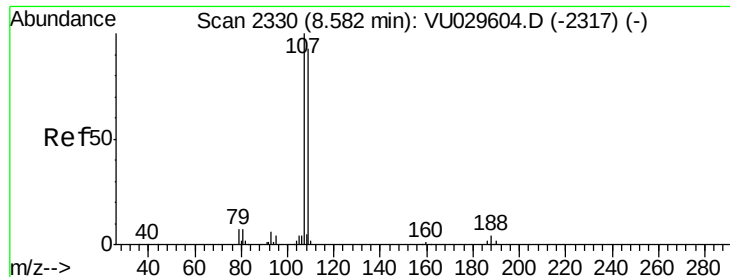
#49
Dibromochloromethane
Concen: 47.845 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029623.D
Acq: 22 Feb 2019 16:08

Tgt Ion: 129 Resp: 203150
Ion Ratio Lower Upper
129 100
127 77.1 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

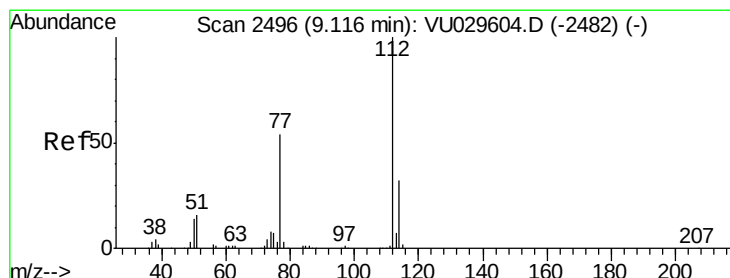
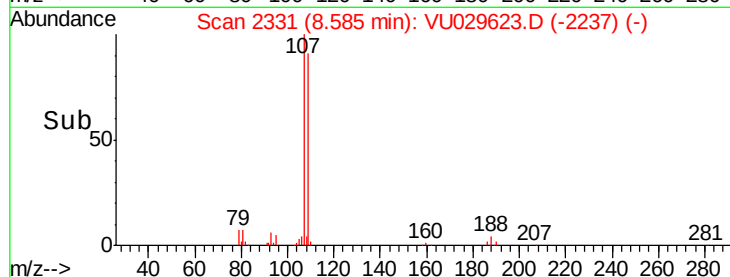
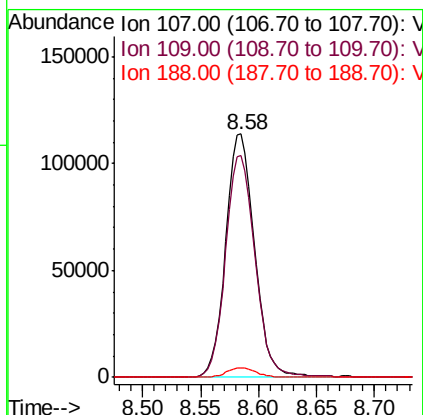
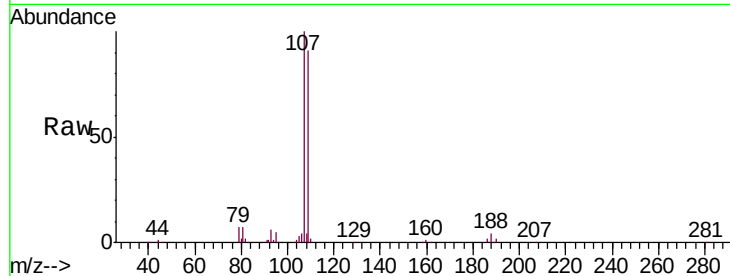




#50
1,2-Dibromoethane
Concen: 50.610 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU029623.D
Acq: 22 Feb 2019 16:08

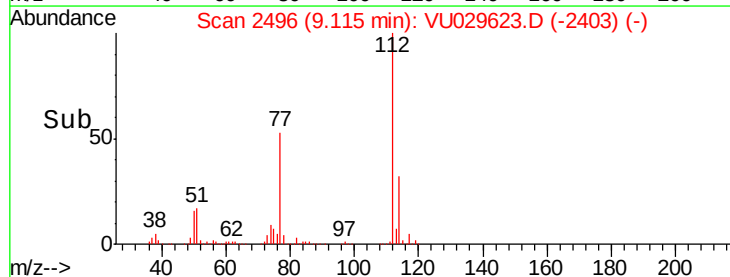
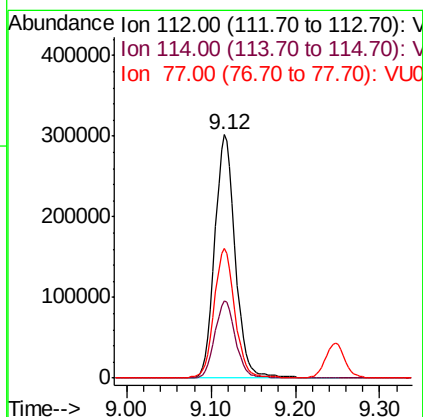
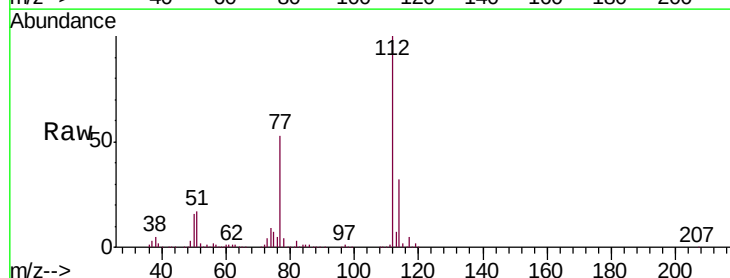
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

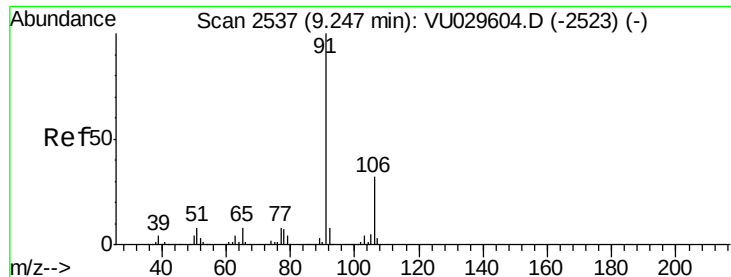
Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.1	66.4	123.4
188	3.9	3.5	5.3



#51
Chlorobenzene
Concen: 50.221 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029623.D
Acq: 22 Feb 2019 16:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.7	42.1
77	53.3	42.1	63.1





#52

Ethylbenzene

Concen: 49.939 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

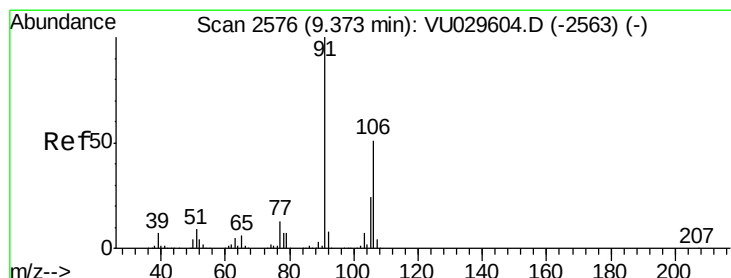
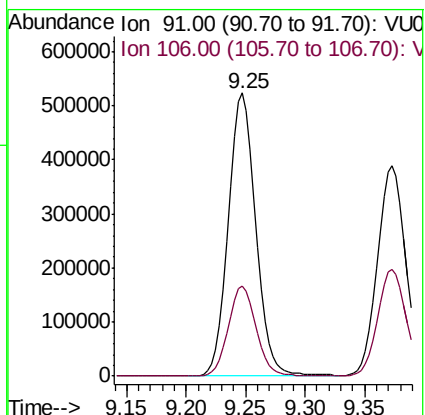
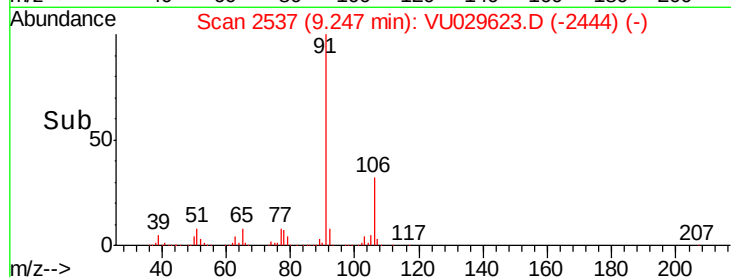
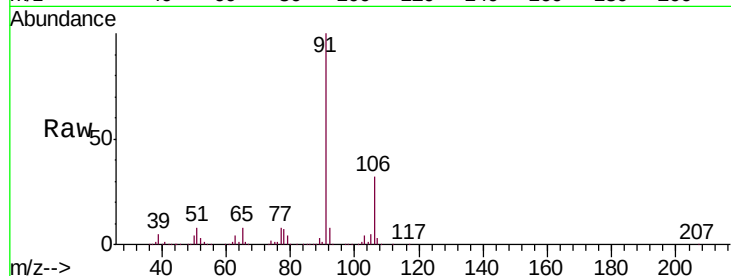
VSTD05054

Tgt Ion: 91 Resp: 839607

Ion Ratio Lower Upper

91 100

106 32.0 22.7 42.1



#53

m,p-Xylene

Concen: 48.889 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029623.D

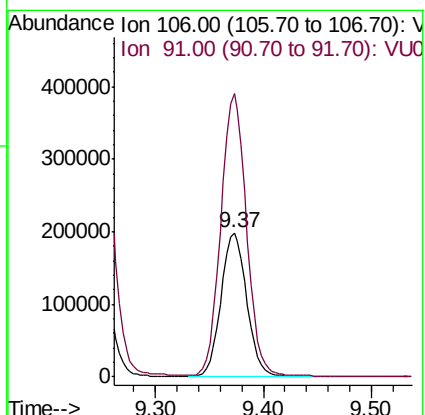
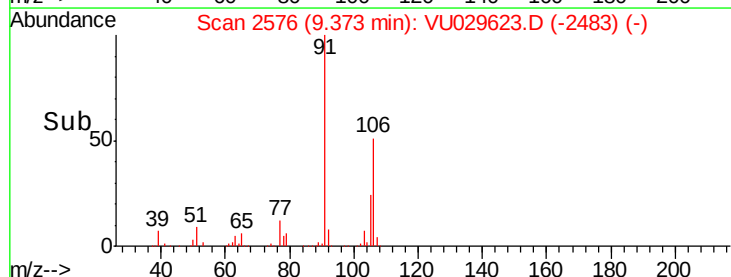
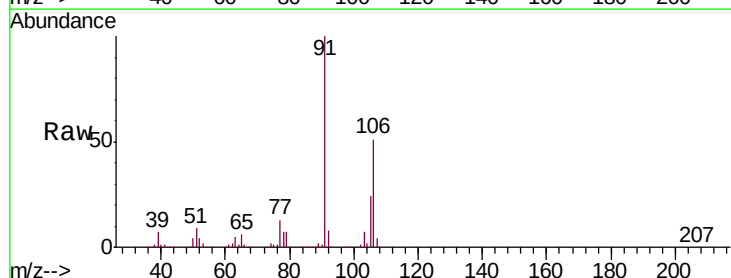
Acq: 22 Feb 2019 16:08

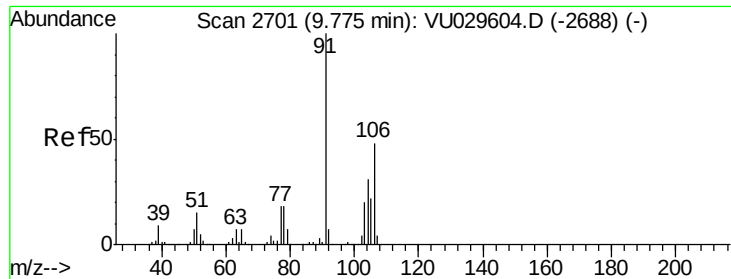
Tgt Ion: 106 Resp: 329944

Ion Ratio Lower Upper

106 100

91 196.6 135.3 251.3





#54

o-xylene

Concen: 49.345 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

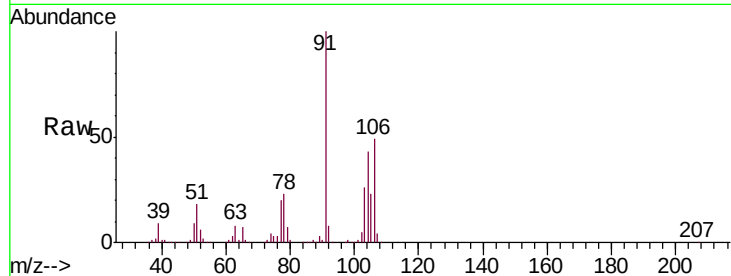
VSTD05054

Tgt Ion:106 Resp: 334517

Ion Ratio Lower Upper

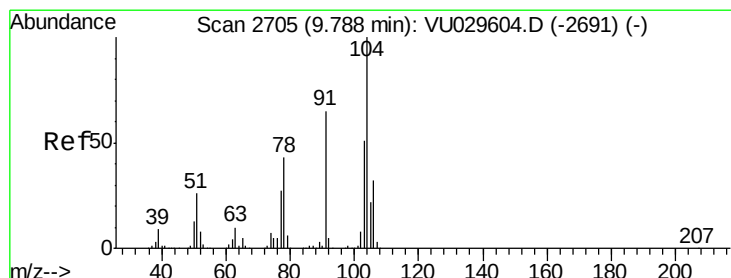
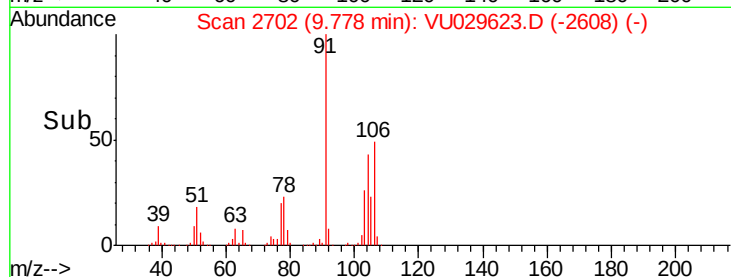
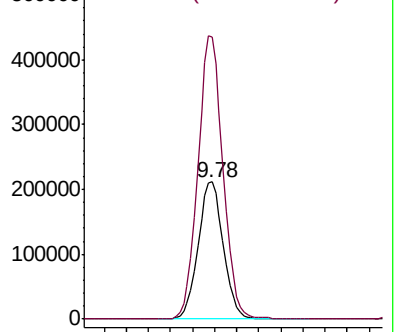
106 100

91 206.1 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.243 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029623.D

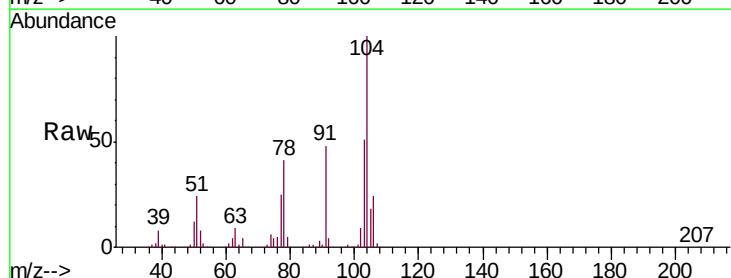
Acq: 22 Feb 2019 16:08

Tgt Ion:104 Resp: 563531

Ion Ratio Lower Upper

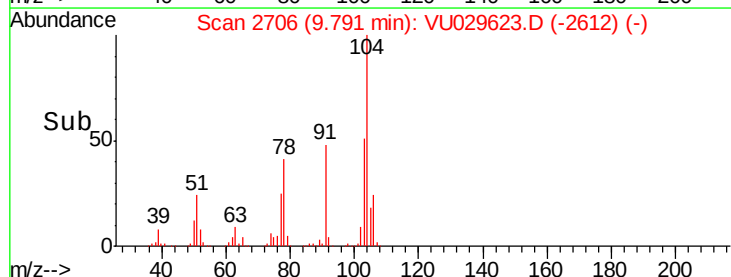
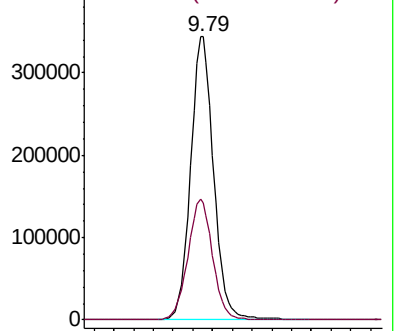
104 100

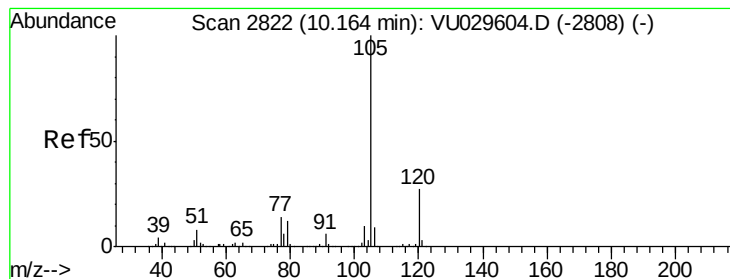
78 41.3 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.693 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

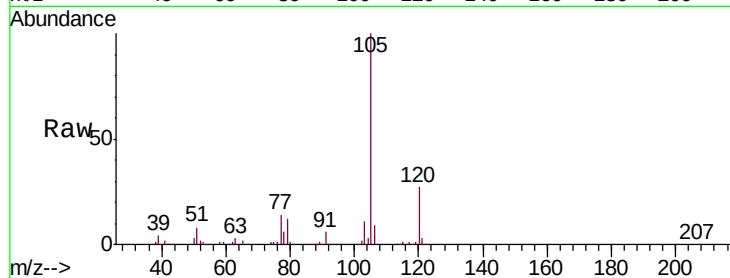
Tgt Ion:105 Resp: 863780

Ion Ratio Lower Upper

105 100

120 27.5 21.9 32.9

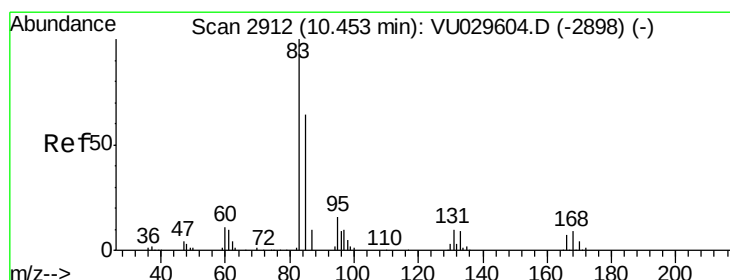
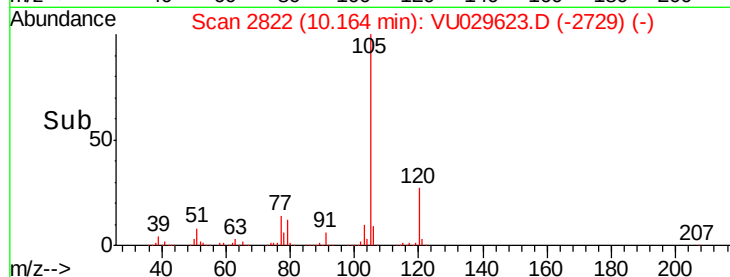
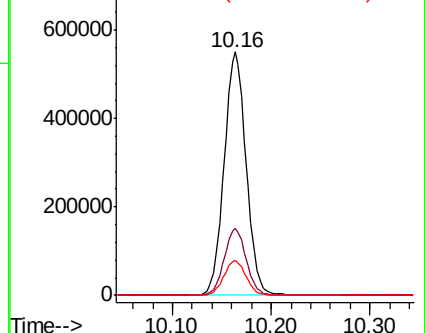
77 14.5 11.7 17.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.714 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

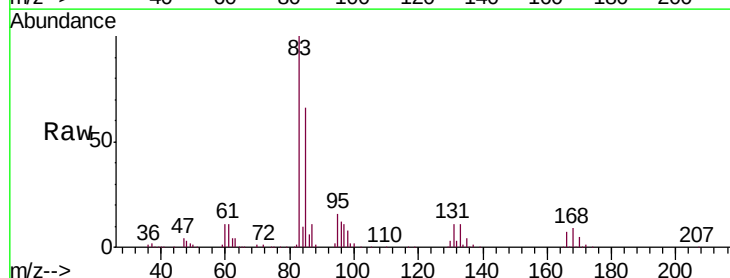
Tgt Ion: 83 Resp: 301704

Ion Ratio Lower Upper

83 100

85 65.8 45.5 84.5

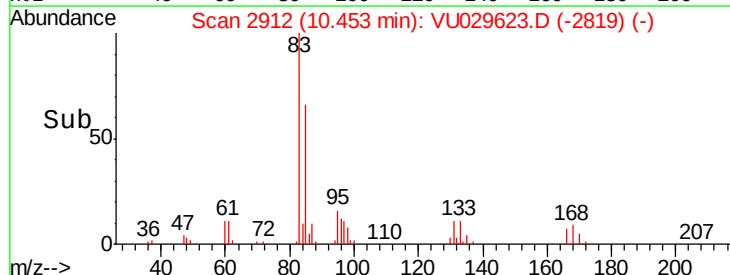
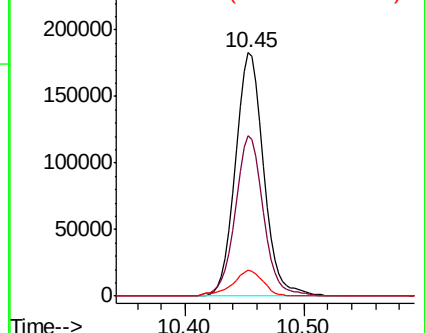
131 10.7 8.6 12.8

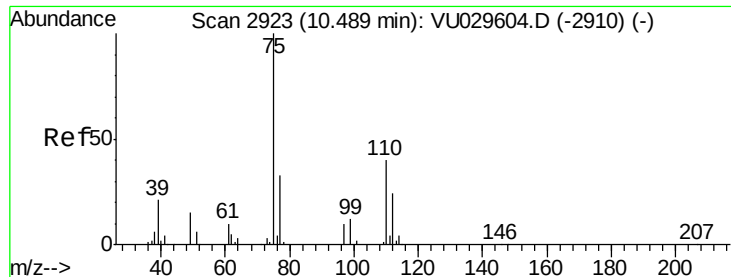


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.481 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

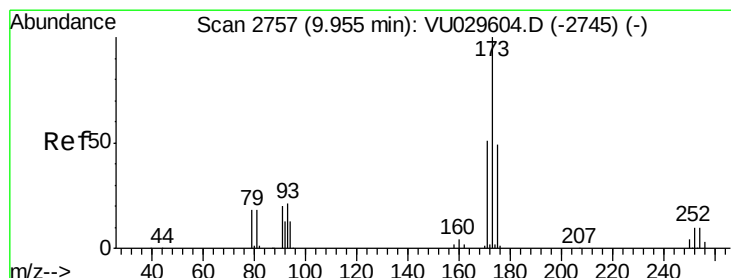
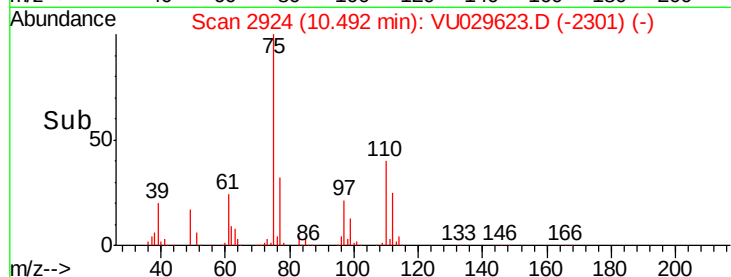
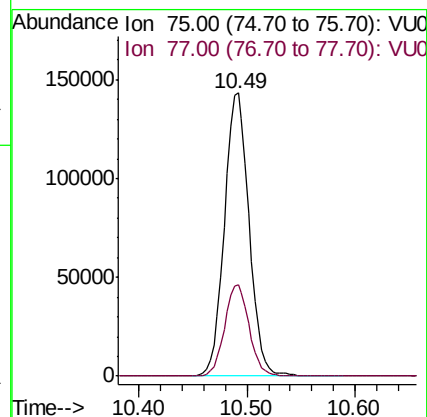
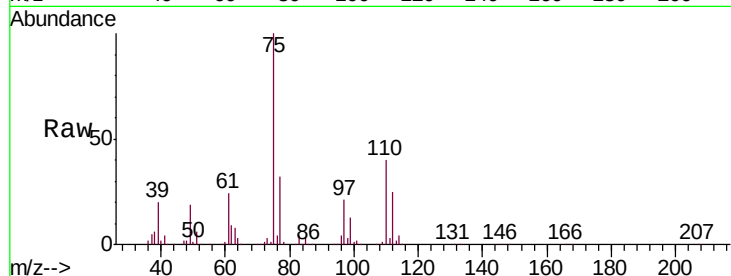
VSTD05054

Tgt Ion: 75 Resp: 227140

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#61

Bromoform

Concen: 43.890 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

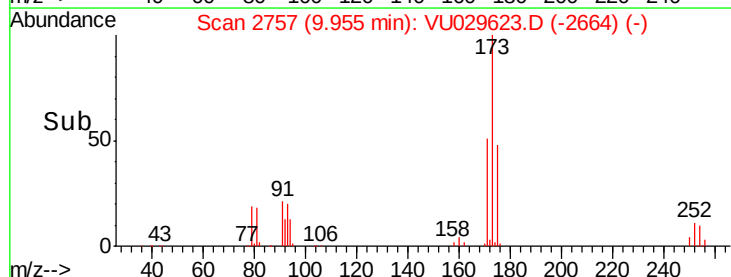
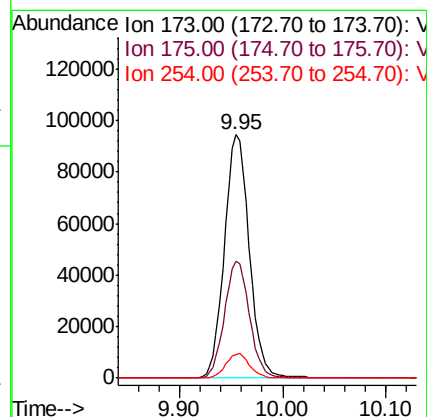
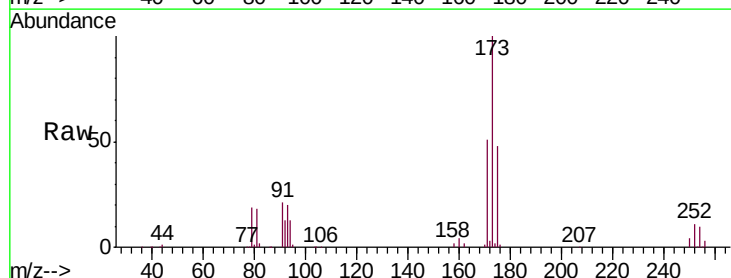
Tgt Ion: 173 Resp: 158781

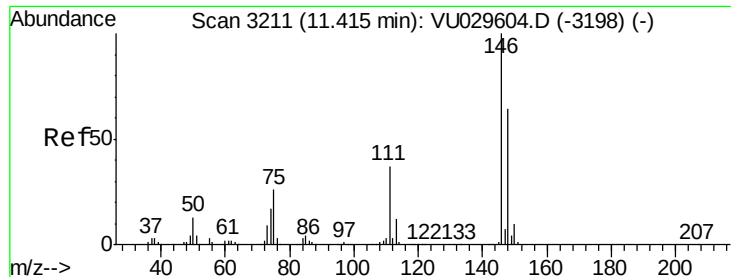
Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.4

254 9.6 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 48.973 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

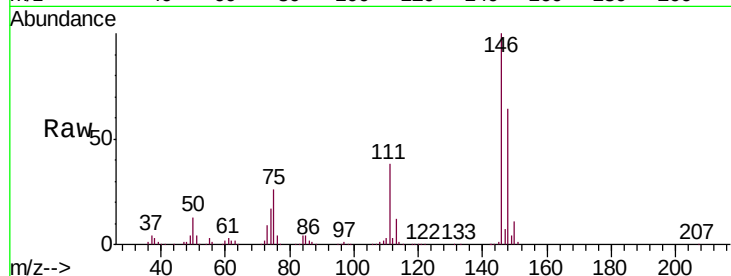
Tgt Ion:146 Resp: 419466

Ion Ratio Lower Upper

146 100

111 38.4 26.7 49.5

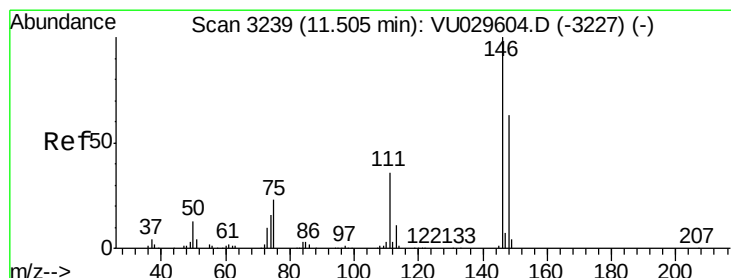
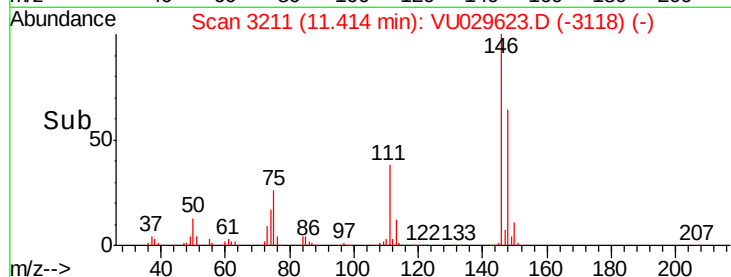
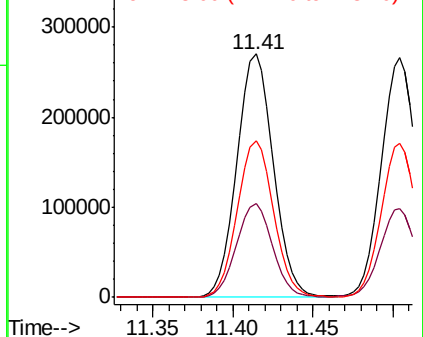
148 64.5 45.9 85.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.699 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

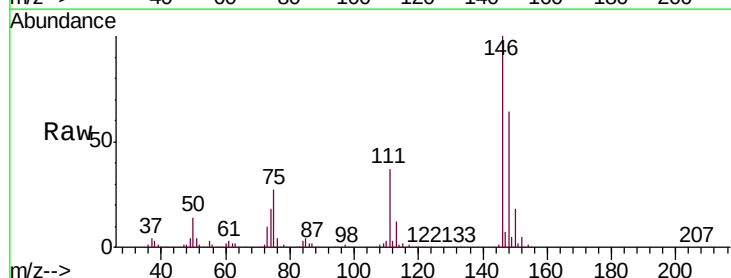
Tgt Ion:146 Resp: 419769

Ion Ratio Lower Upper

146 100

111 36.9 25.1 46.5

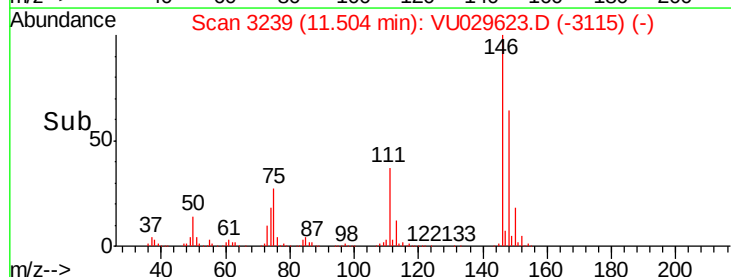
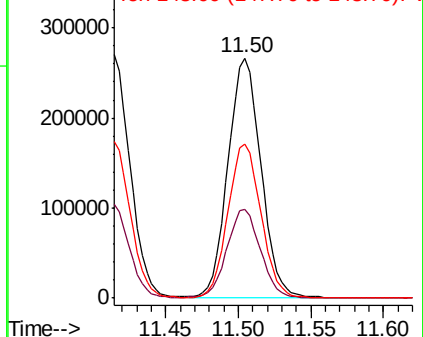
148 64.4 45.0 83.6

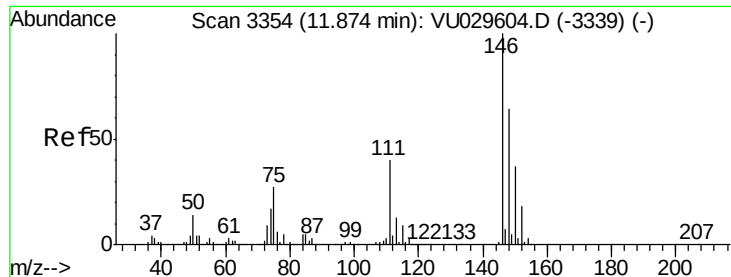


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

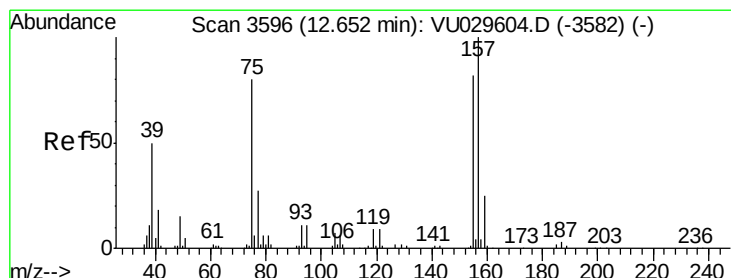
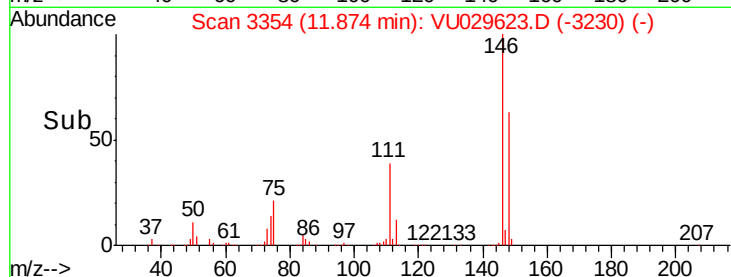
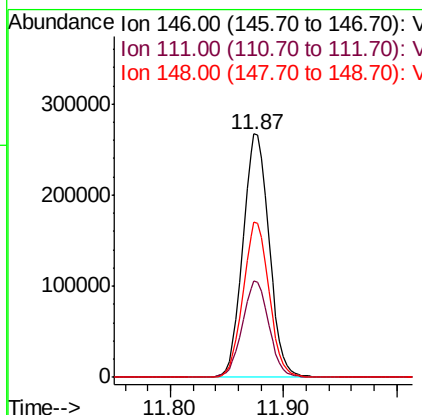
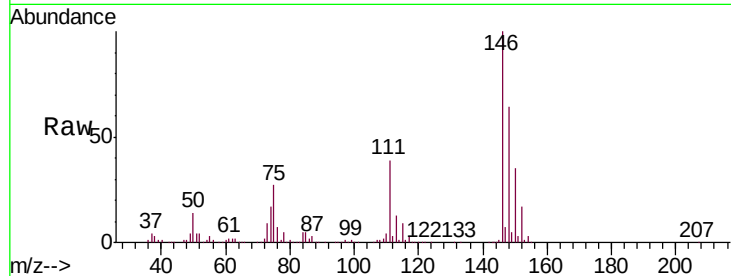




#65
 1,2-Dichlorobenzene
 Concen: 48.303 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

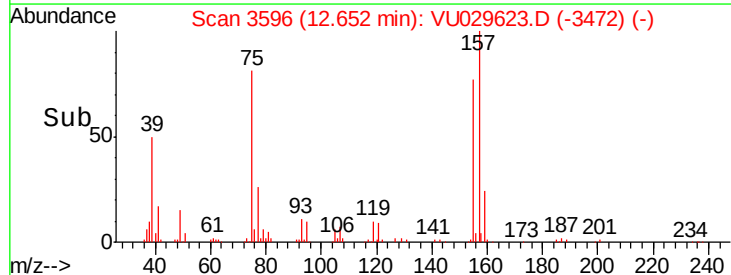
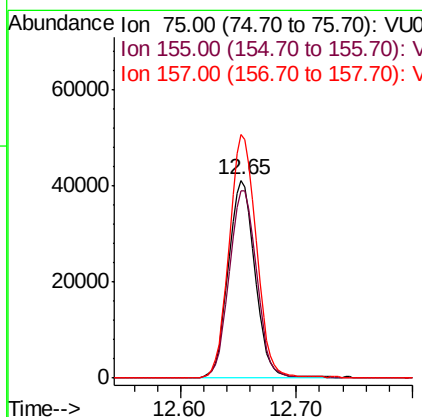
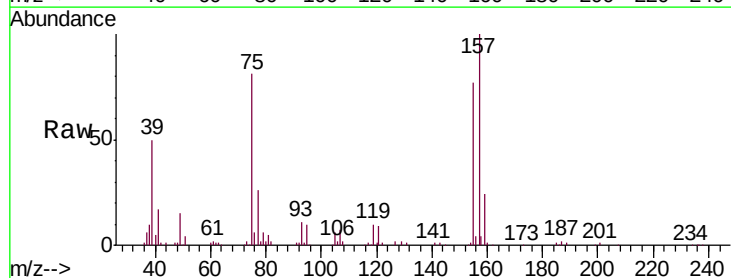
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

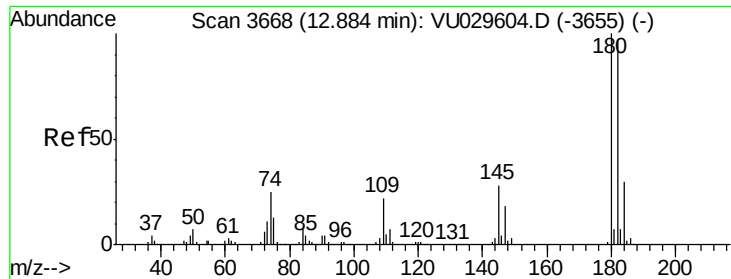
Tgt Ion:146 Resp: 431873
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.2 46.8
 148 63.6 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.921 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

Tgt Ion: 75 Resp: 65283
 Ion Ratio Lower Upper
 75 100
 155 94.5 79.5 119.3
 157 122.9 103.4 155.0

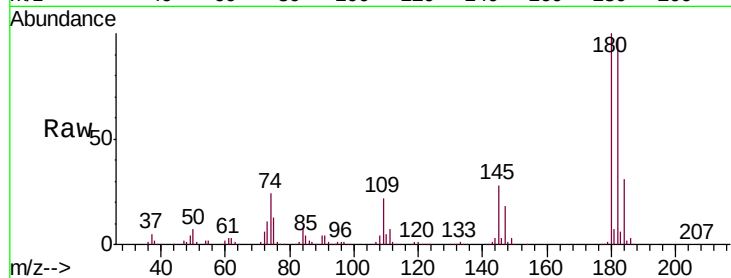




#67
 1,3,5-Trichlorobenzene
 Concen: 49.822 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.9	116.9
184	30.3	24.5	36.7
145	28.0	22.4	33.6



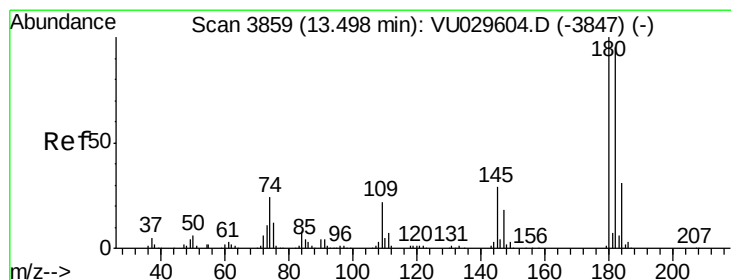
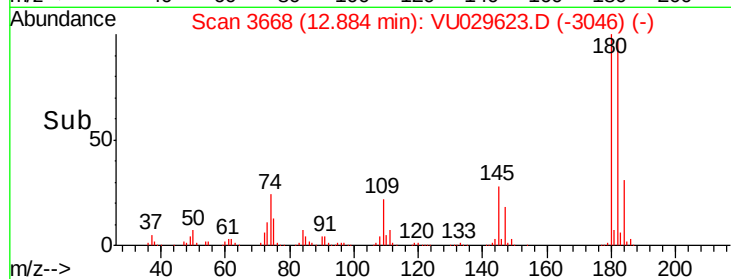
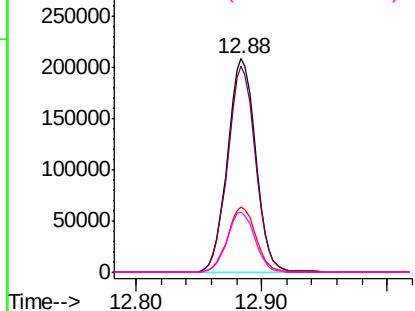
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

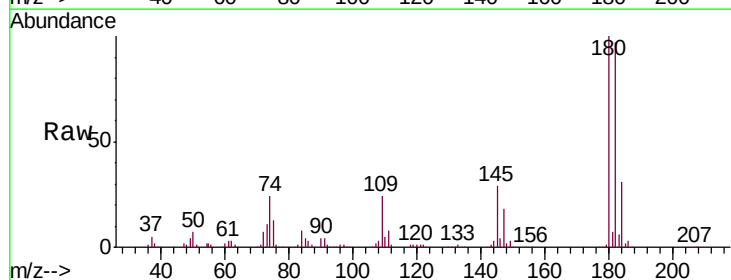
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.479 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU029623.D
 Acq: 22 Feb 2019 16:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.2	114.2
145	28.6	22.7	34.1

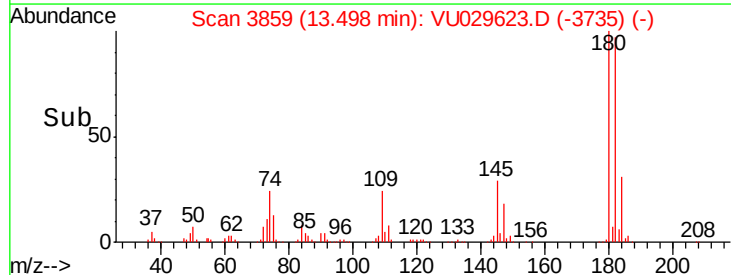
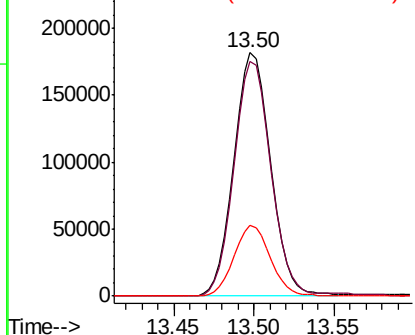


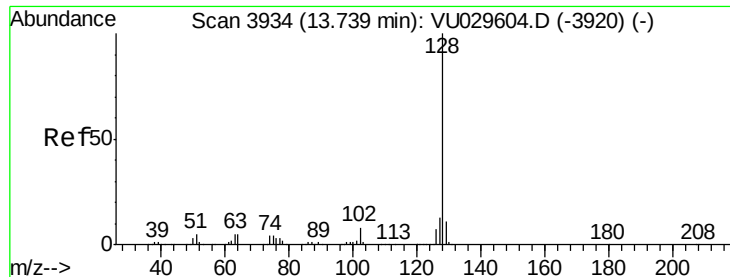
Abundance

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: 51.696 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

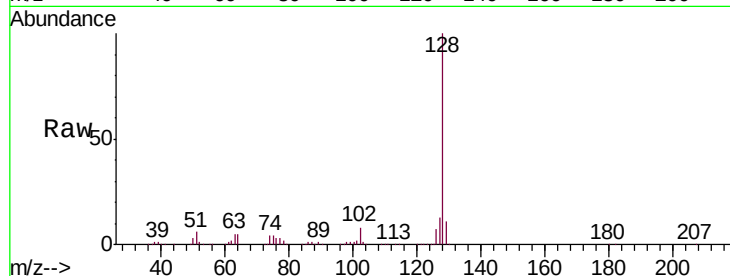
Tgt Ion:128 Resp: 898286

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

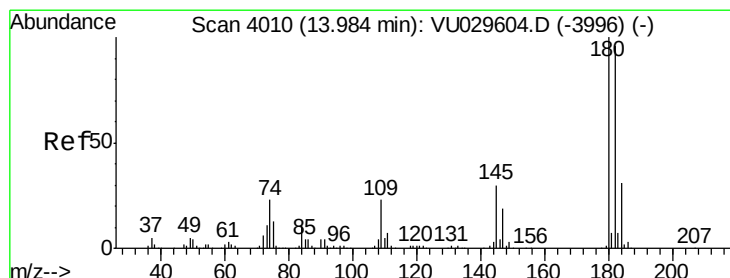
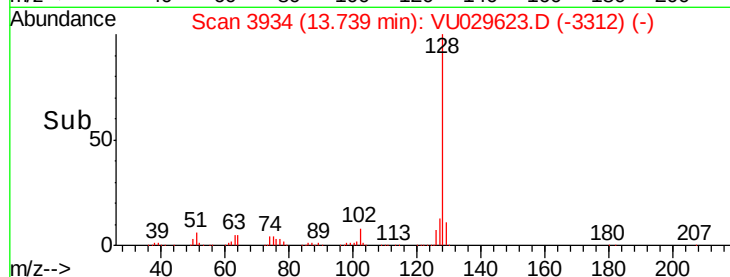
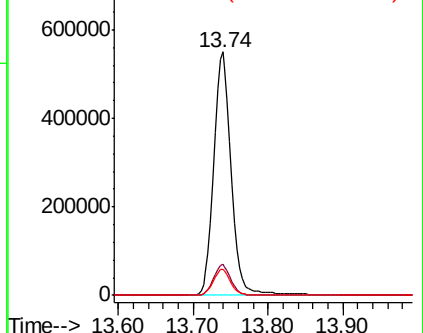
129 10.6 8.5 12.7



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: 49.929 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029623.D

Acq: 22 Feb 2019 16:08

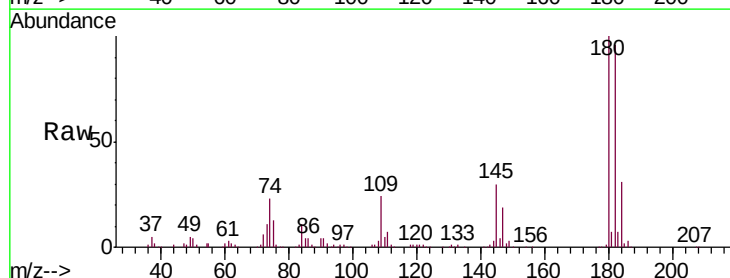
Tgt Ion:180 Resp: 299740

Ion Ratio Lower Upper

180 100

182 95.0 76.8 115.2

145 30.1 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

