

Data File : VU029806.D
Acq On : 05 Mar 2019 00:37
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Quant Time: Mar 05 01:33:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 05 01:28:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	463811	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	462270	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	253133	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	135084	39.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.50%
7) Chloroethane-d5	1.68	69	117611	38.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.86%
11) 1,1-Dichloroethene-d2	2.27	63	276577	41.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.26%
21) 2-Butanone-d5	4.17	46	247263	119.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.55%
24) Chloroform-d	4.64	84	275684	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.02%
26) 1,2-Dichloroethane-d4	5.31	65	165346	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
32) Benzene-d6	5.34	84	571300	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.22%
36) 1,2-Dichloropropane-d6	6.33	67	175508	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.30%
41) Toluene-d8	7.56	98	555418	46.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.58%
43) trans-1,3-Dichloropropene-	7.85	79	82080	44.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.44%
47) 2-Hexanone-d5	8.31	63	212846	109.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	298472	50.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	247894	45.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.88%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	160613	50.504	ug/L	99
3) Chloromethane	1.32	50	156927	56.249	ug/L	99
5) Vinyl chloride	1.40	62	186248	49.156	ug/L	99
6) Bromomethane	1.62	94	109686	63.432	ug/L	98
8) Chloroethane	1.69	64	114990	45.629	ug/L	100
9) Trichlorofluoromethane	1.88	101	256639	42.491	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	155747	48.208	ug/L	99
12) 1,1-Dichloroethene	2.28	96	153318	49.917	ug/L	89
13) Acetone	2.32	43	165864	75.049	ug/L	98
14) Carbon disulfide	2.47	76	427772	53.179	ug/L	100
15) Methyl Acetate	2.61	43	182604	63.656	ug/L	99
16) Methylene chloride	2.70	84	173236	58.288	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	158197	55.804	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	480178	54.710	ug/L	99
19) 1,1-Dichloroethane	3.44	63	280114	57.144	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	186605	56.650	ug/L	96
22) 2-Butanone	4.26	43	259796	103.002	ug/L	100

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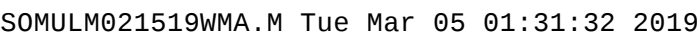
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

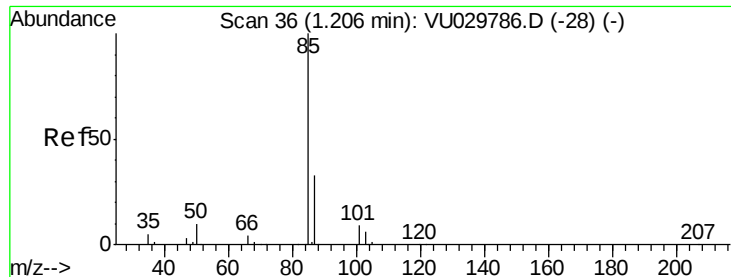
Quant Time: Mar 05 01:33:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 05 01:28:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	98230	54.398	ug/L	95
25) Chloroform	4.67	83	304911	55.751	ug/L	100
27) 1,2-Dichloroethane	5.40	62	218082	51.863	ug/L	98
29) Cyclohexane	4.99	56	239909	52.443	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	250515	51.110	ug/L	99
31) Carbon tetrachloride	5.13	117	220848	49.782	ug/L	99
33) Benzene	5.39	78	650104	54.852	ug/L	100
34) Trichloroethene	6.18	95	171919	53.846	ug/L	97
35) Methylcyclohexane	6.41	83	268967	50.727	ug/L	98
37) 1,2-Dichloropropane	6.43	63	174480	56.082	ug/L	99
38) Bromodichloromethane	6.75	83	220440	52.557	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	260995	51.995	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	486342	111.164	ug/L	98
42) Toluene	7.63	91	733004	52.298	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	237075	50.115	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	180701	54.491	ug/L	99
46) Tetrachloroethene	8.22	164	149225	47.752	ug/L	98
48) 2-Hexanone	8.36	43	388665	101.694	ug/L	97
49) Dibromochloromethane	8.47	129	200127	49.781	ug/L	98
50) 1,2-Dibromoethane	8.58	107	194467	52.930	ug/L	100
51) Chlorobenzene	9.12	112	493069	51.255	ug/L	99
52) Ethylbenzene	9.25	91	809637	50.862	ug/L	100
53) m,p-Xylene	9.37	106	319072	49.934	ug/L	98
54) o-xylene	9.77	106	317151	49.412	ug/L	99
55) Styrene	9.79	104	542611	50.078	ug/L	97
56) Isopropylbenzene	10.16	105	824729	49.104	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	312405	53.275	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	234038	52.759	ug/L	99
61) Bromoform	9.95	173	160545	47.096	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	396774	49.161	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	408257	50.265	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	411803	48.880	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	68306	52.101	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	307353	49.904	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	272352	51.127	ug/L	99
69) Naphthalene	13.74	128	900093	54.973	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	285849	50.531	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 50.504 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

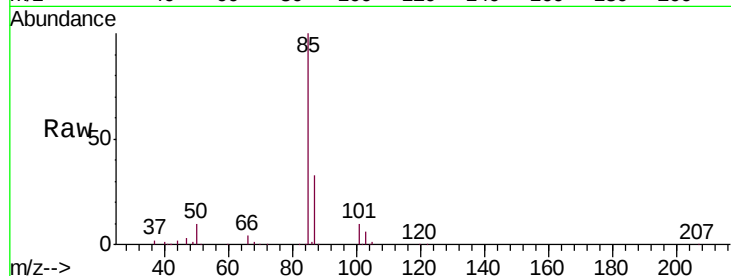
VSTD05048

Tgt Ion: 85 Resp: 160613

Ion Ratio Lower Upper

85 100

87 32.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU029786.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU029786.D (-28) (-)

1.21

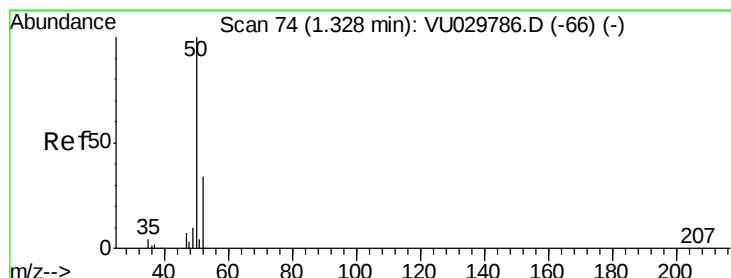
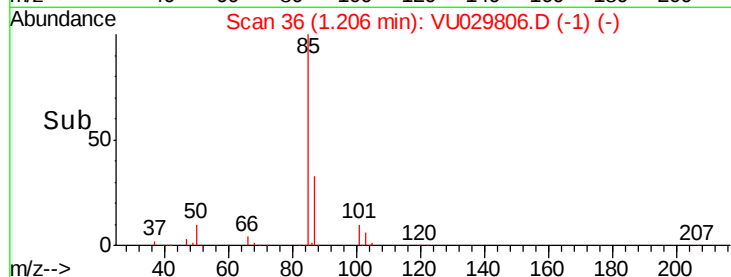
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 56.249 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029806.D

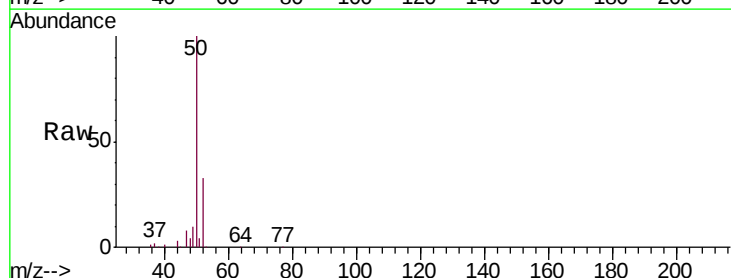
Acq: 05 Mar 2019 00:37

Tgt Ion: 50 Resp: 156927

Ion Ratio Lower Upper

50 100

52 33.4 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VU029786.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU029786.D (-66) (-)

1.32

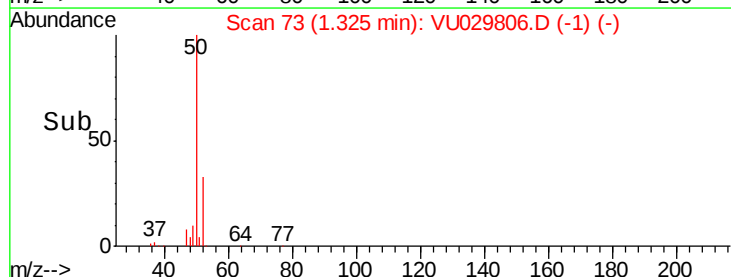
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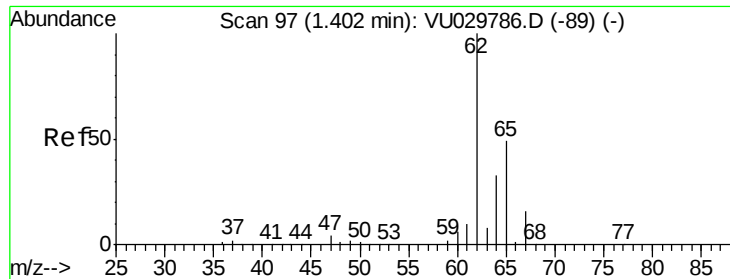
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.156 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

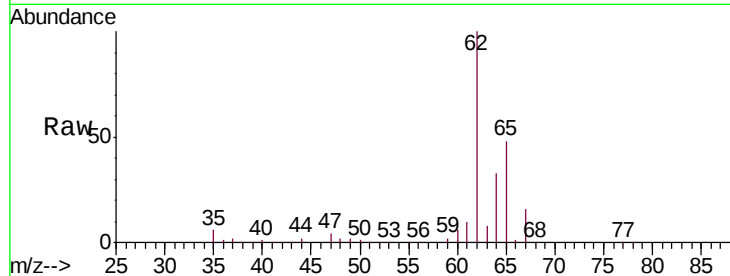
VSTD05048

Tgt Ion: 62 Resp: 186248

Ion Ratio Lower Upper

62 100

64 33.1 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

200000

150000

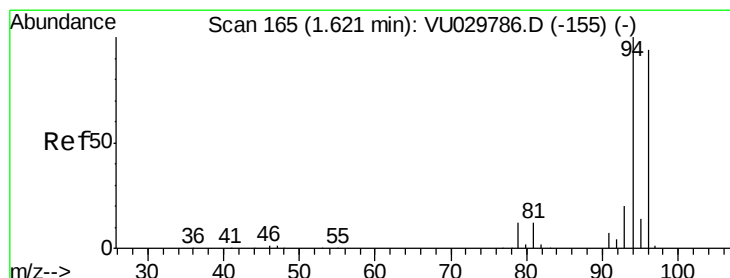
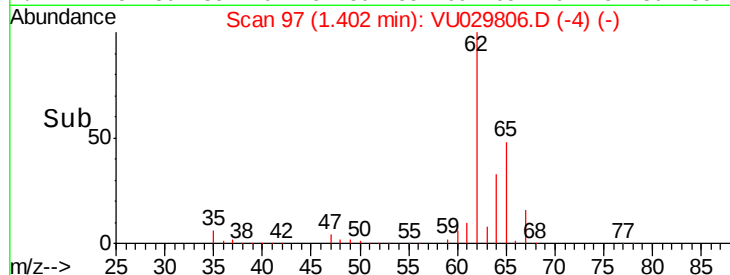
100000

50000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 63.432 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU029806.D

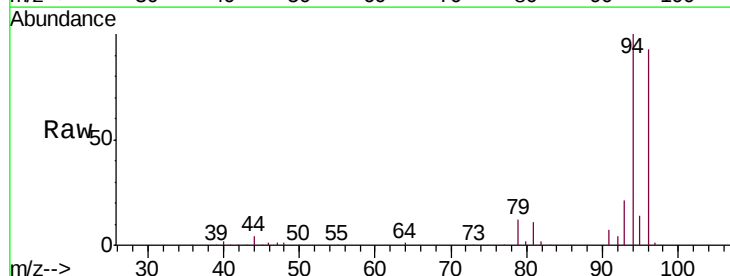
Acq: 05 Mar 2019 00:37

Tgt Ion: 94 Resp: 109686

Ion Ratio Lower Upper

94 100

96 93.3 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

100000

80000

60000

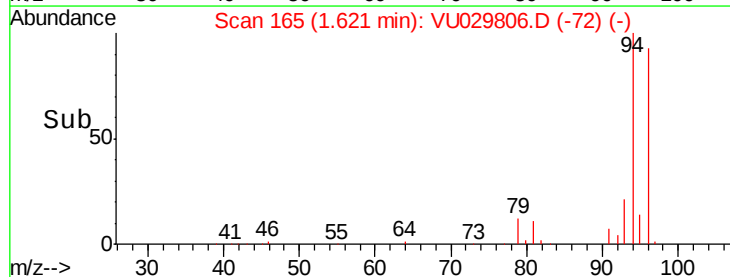
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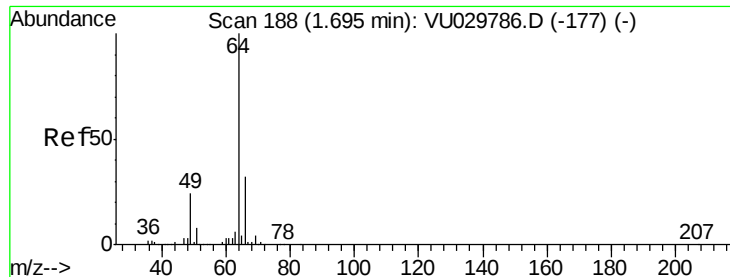
20000

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Time-->

1.55 1.60 1.65 1.70

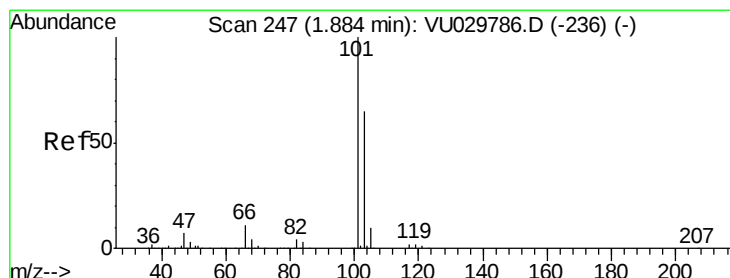
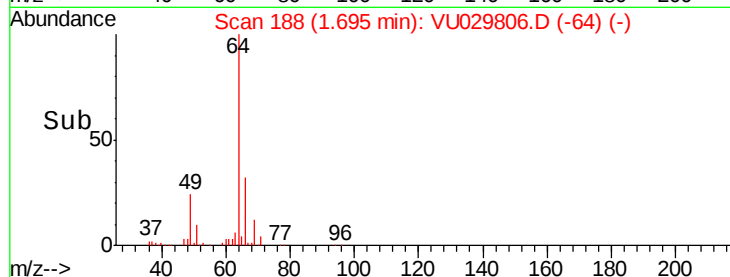
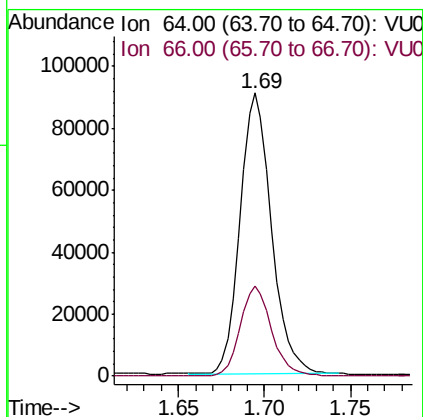
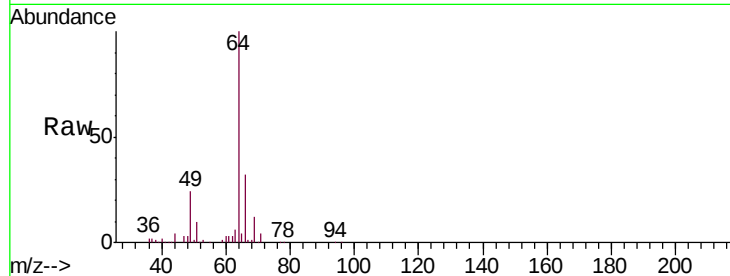




#8
 Chloroethane
 Concen: 45.629 ug/L
 RT: 1.69 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

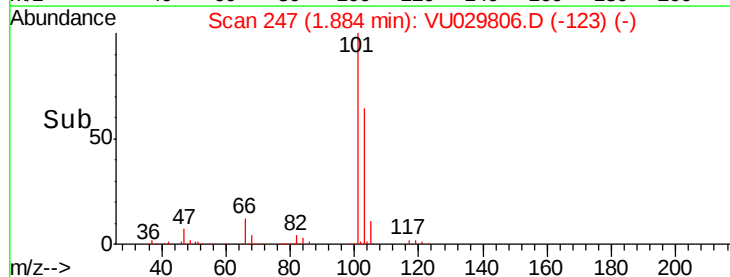
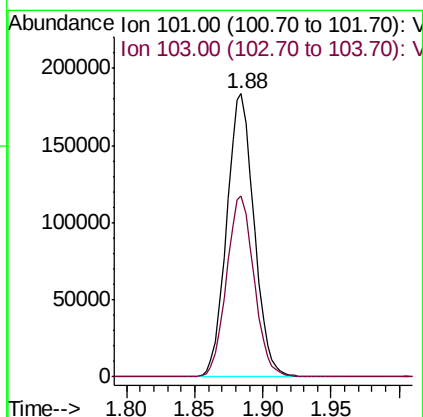
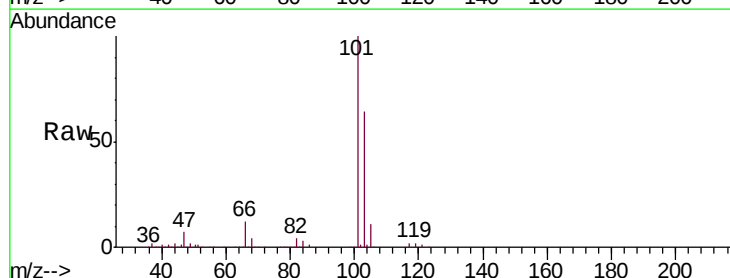
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

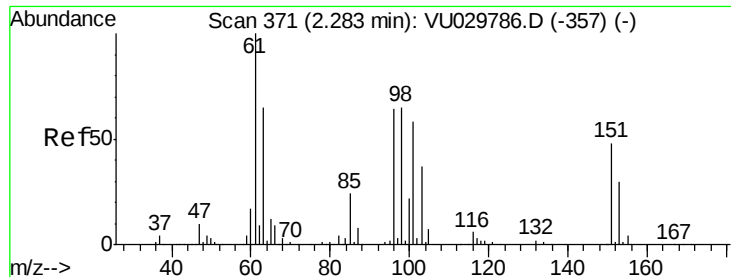
Tgt Ion: 64 Resp: 114990
 Ion Ratio Lower Upper
 64 100
 66 31.7 22.0 41.0



#9
 Trichlorofluoromethane
 Concen: 42.491 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

Tgt Ion: 101 Resp: 256639
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.2





#10

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

Concen: 48.208 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

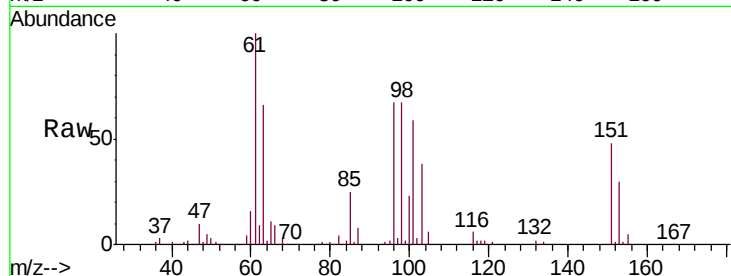
Tgt Ion: 101 Resp: 155747

Ion Ratio Lower Upper

101 100

85 41.9 33.0 49.6

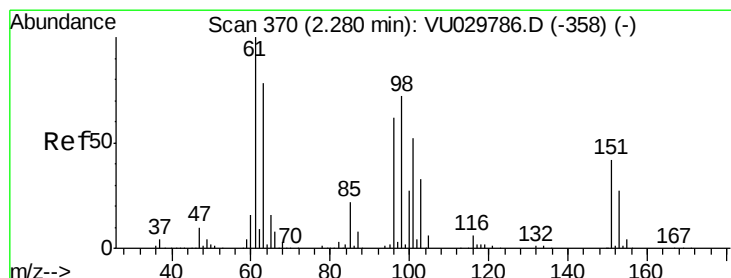
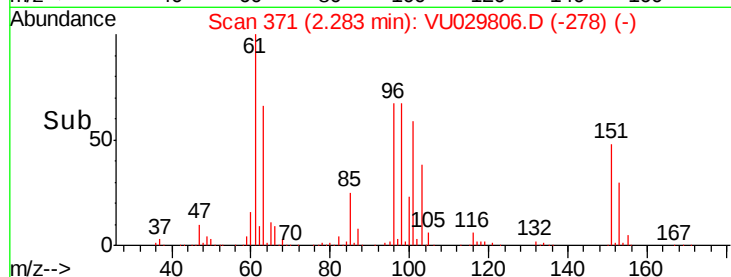
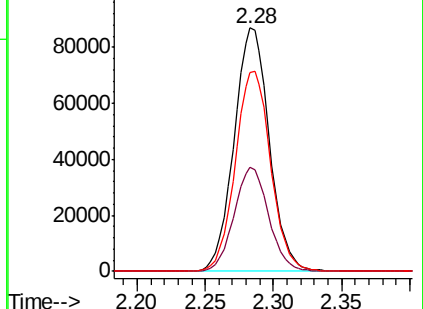
151 82.7 65.7 98.5



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: 49.917 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

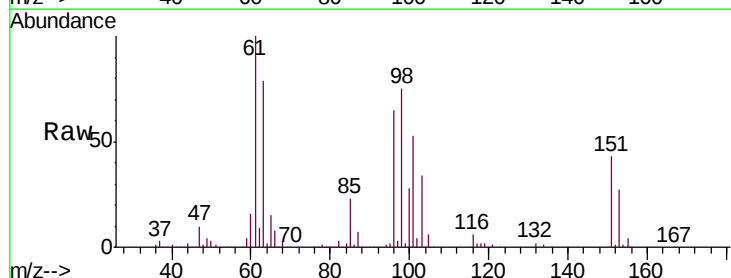
Tgt Ion: 96 Resp: 153318

Ion Ratio Lower Upper

96 100

61 154.3 114.0 211.8

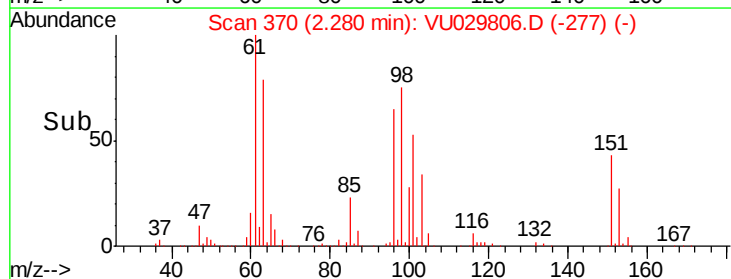
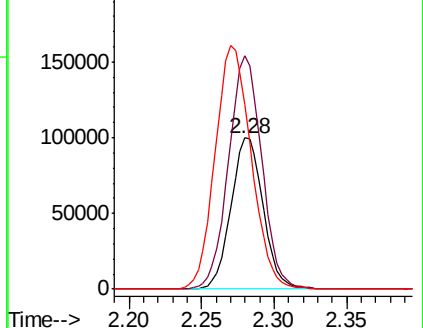
63 121.9 98.7 183.3

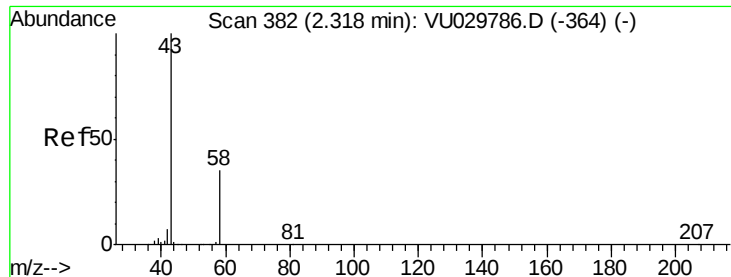


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 75.049 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampled :

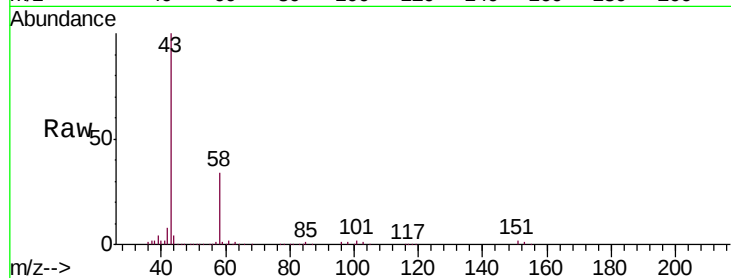
VSTD05048

Tgt Ion: 43 Resp: 165864

Ion Ratio Lower Upper

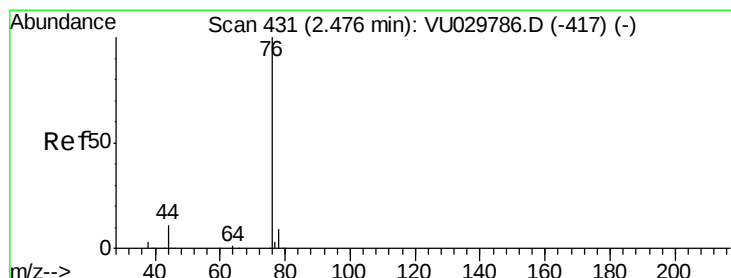
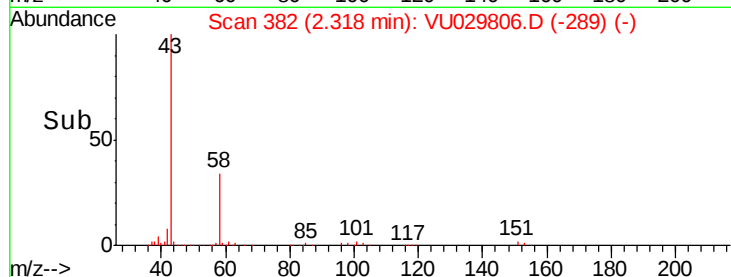
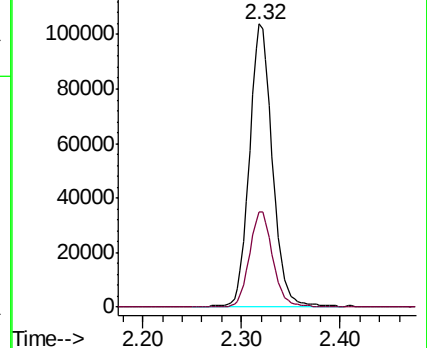
43 100

58 34.6 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU029786.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU029786.D (-364) (-)



#14

Carbon disulfide

Concen: 53.179 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029806.D

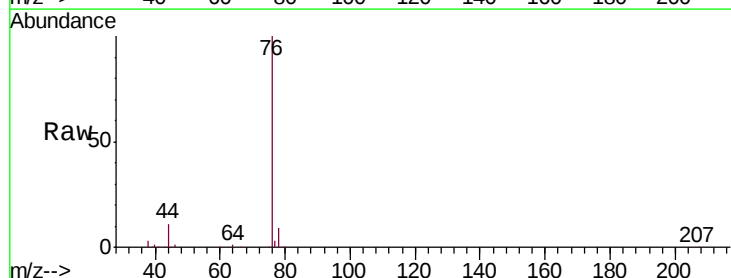
Acq: 05 Mar 2019 00:37

Tgt Ion: 76 Resp: 427772

Ion Ratio Lower Upper

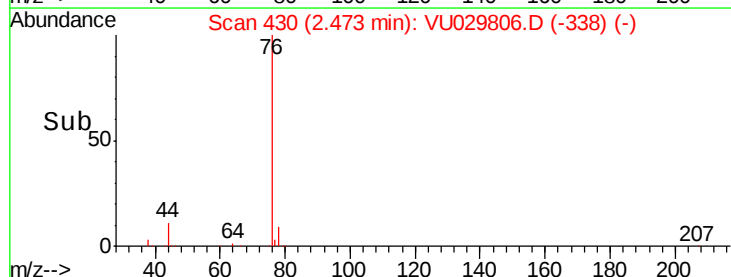
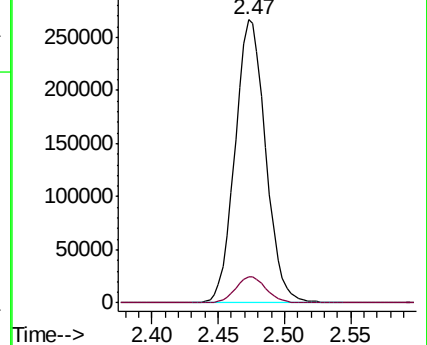
76 100

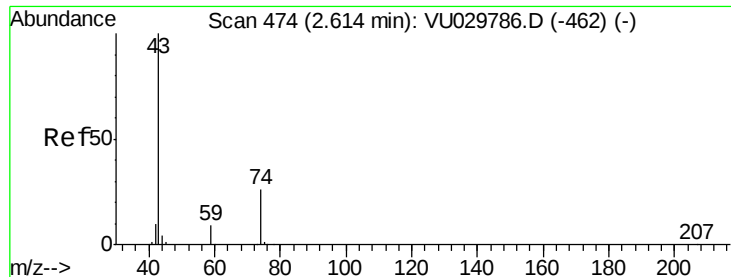
78 9.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU029786.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU029786.D (-417) (-)

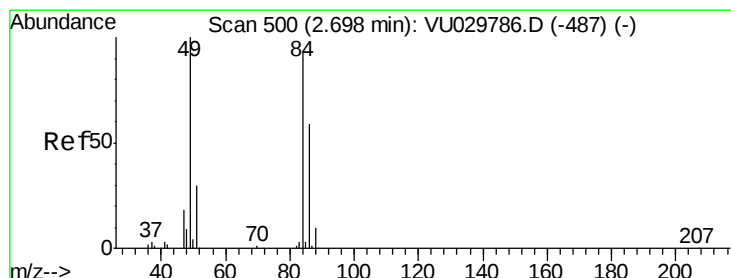
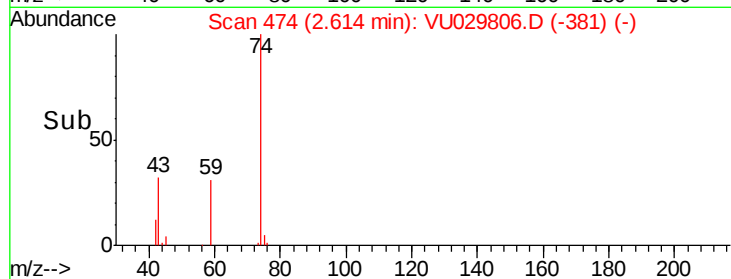
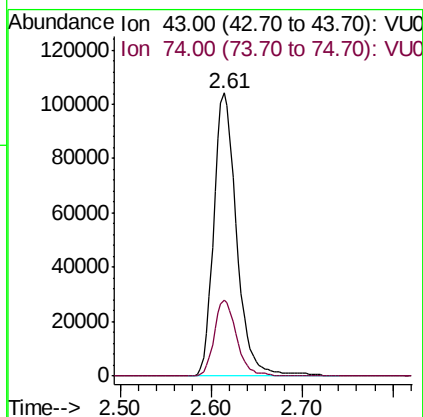
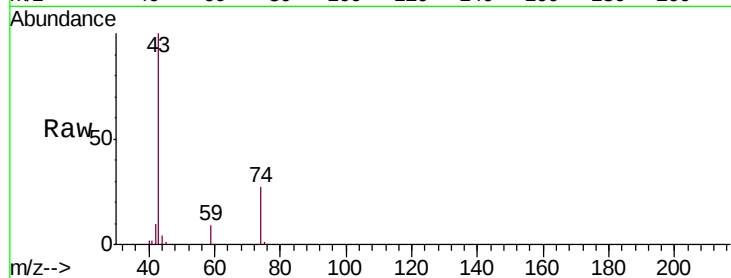




#15
Methyl Acetate
Concen: 63.656 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU029806.D
Acq: 05 Mar 2019 00:37

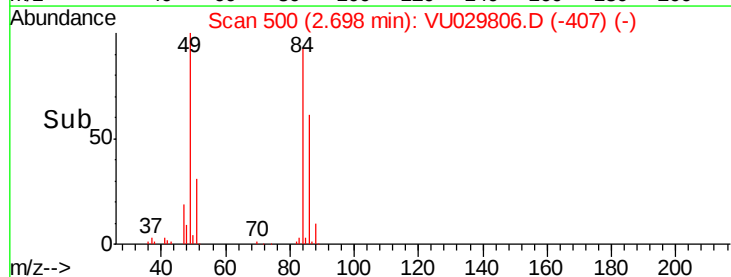
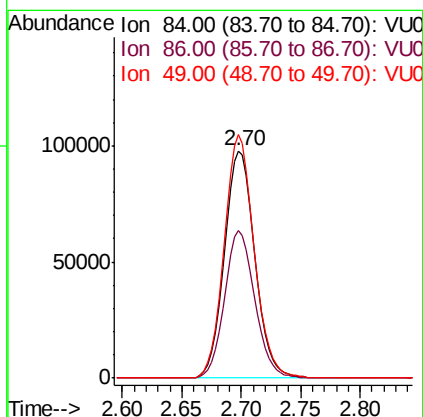
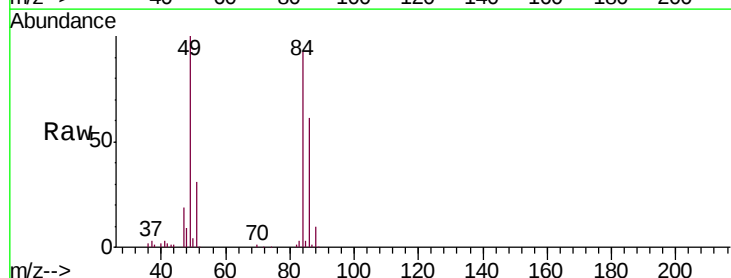
Instrument :
MSVOA_U
ClientSampled :
VSTD05048

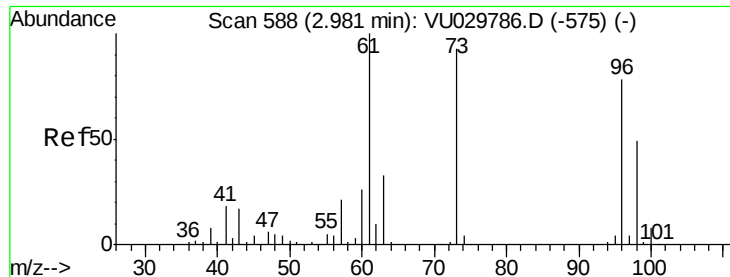
Tgt Ion: 43 Resp: 182604
Ion Ratio Lower Upper
43 100
74 26.3 21.5 32.3



#16
Methylene chloride
Concen: 58.288 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029806.D
Acq: 05 Mar 2019 00:37

Tgt Ion: 84 Resp: 173236
Ion Ratio Lower Upper
84 100
86 64.9 45.8 85.0
49 107.0 75.1 139.5

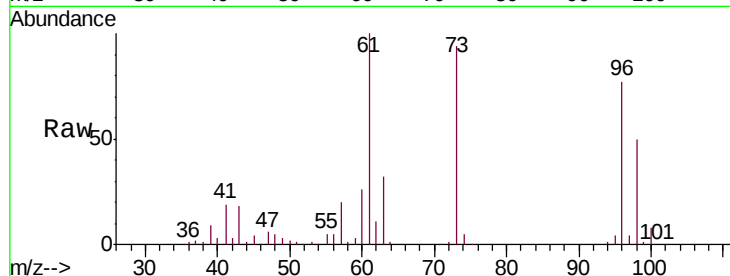




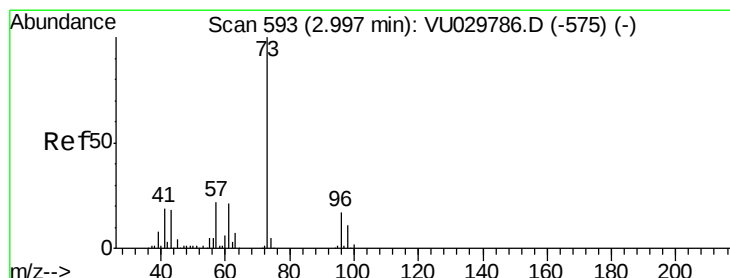
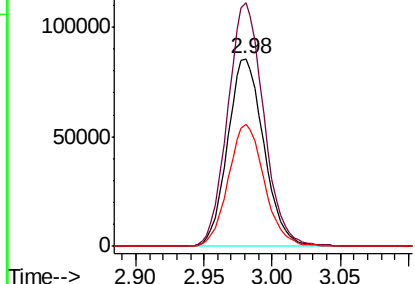
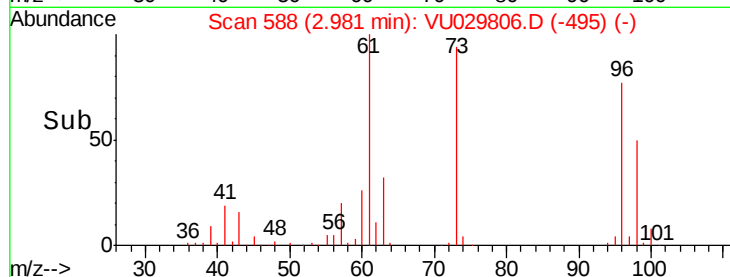
#17
trans-1,2-Dichloroethene
Concen: 55.804 ug/L
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU029806.D
Acq: 05 Mar 2019 00:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Tgt Ion: 96 Resp: 158197
Ion Ratio Lower Upper
96 100
61 130.0 88.3 163.9
98 65.2 44.8 83.2

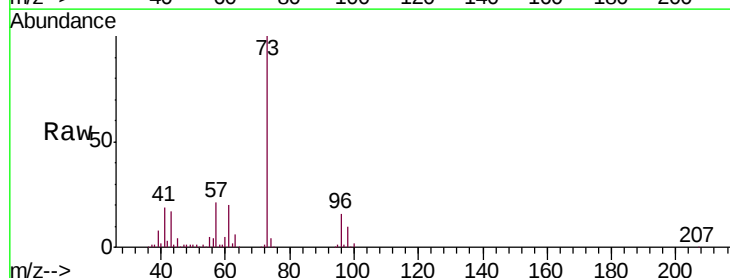


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

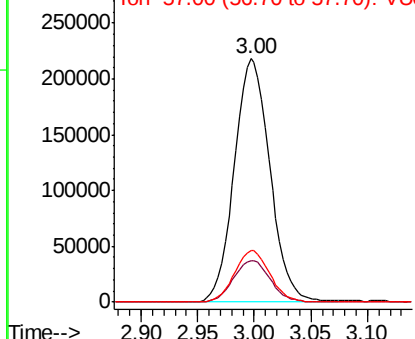
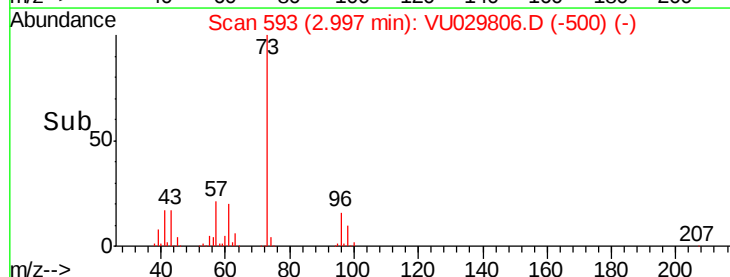


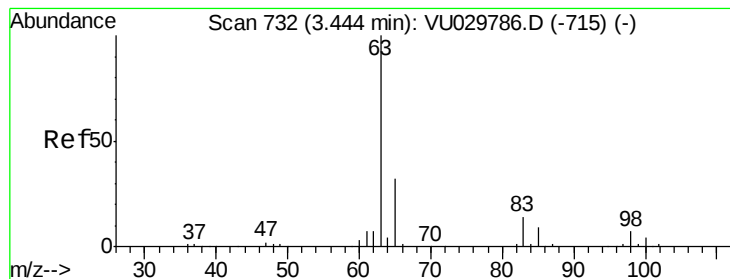
#18
Methyl tert-butyl Ether
Concen: 54.710 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU029806.D
Acq: 05 Mar 2019 00:37

Tgt Ion: 73 Resp: 480178
Ion Ratio Lower Upper
73 100
43 17.6 14.8 22.2
57 21.0 16.5 24.7



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 57.144 ug/L

RT: 3.44 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

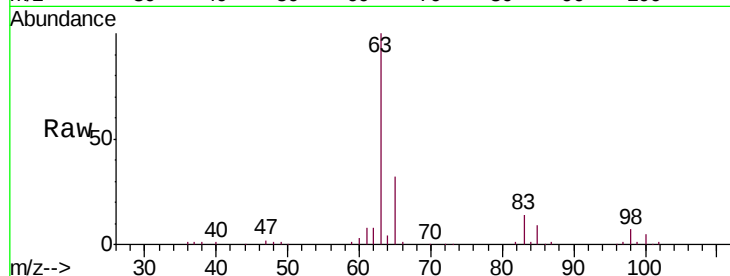
Tgt Ion: 63 Resp: 280114

Ion Ratio Lower Upper

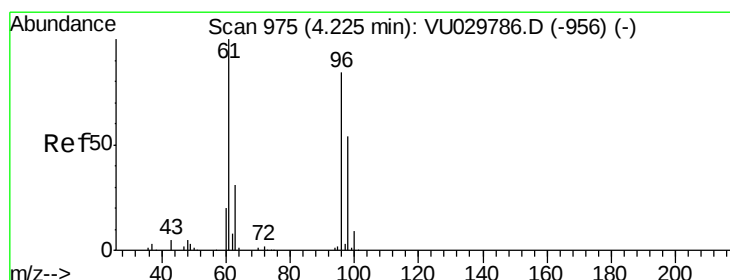
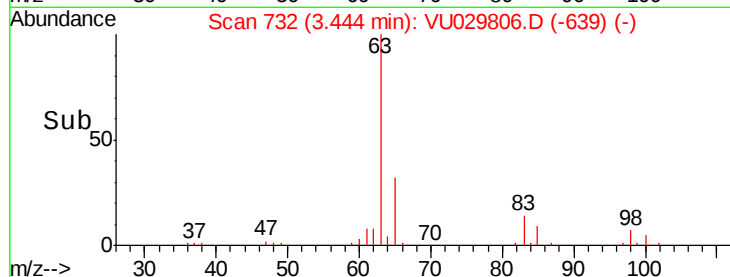
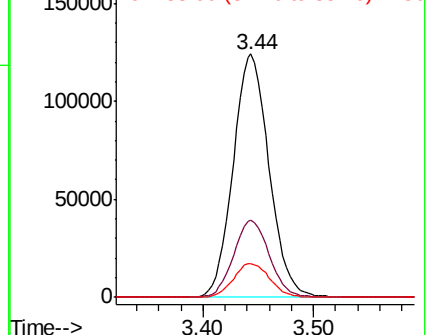
63 100

65 31.8 22.3 41.3

83 13.7 9.9 18.3



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 56.650 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

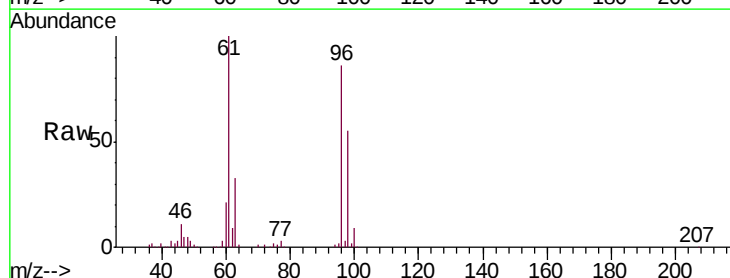
Tgt Ion: 96 Resp: 186605

Ion Ratio Lower Upper

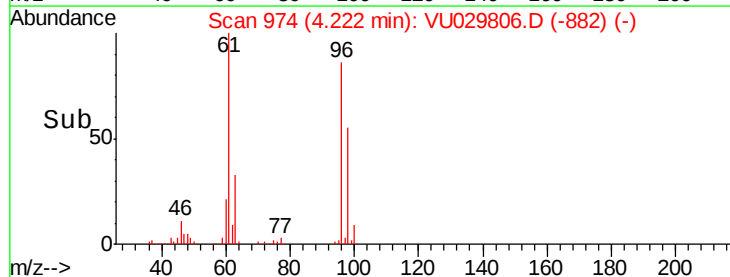
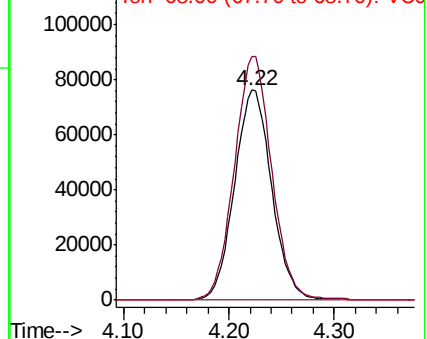
96 100

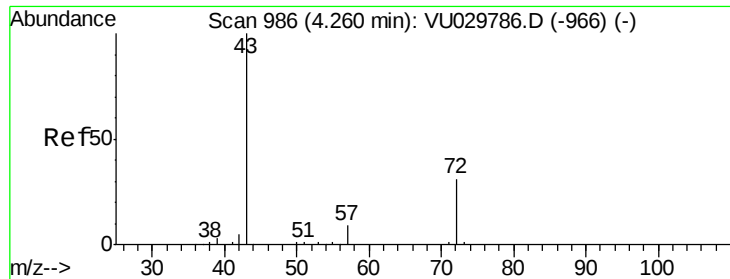
61 115.9 83.9 155.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 103.002 ug/L

RT: 4.26 min Scan# 986

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

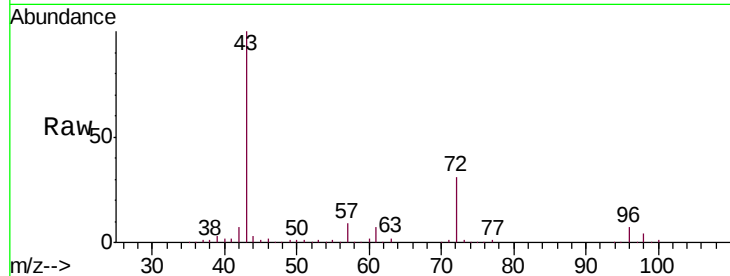
VSTD05048

Tgt Ion: 43 Resp: 259796

Ion Ratio Lower Upper

43 100

72 30.3 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU029786.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU029786.D (-966) (-)

120000

100000

80000

60000

40000

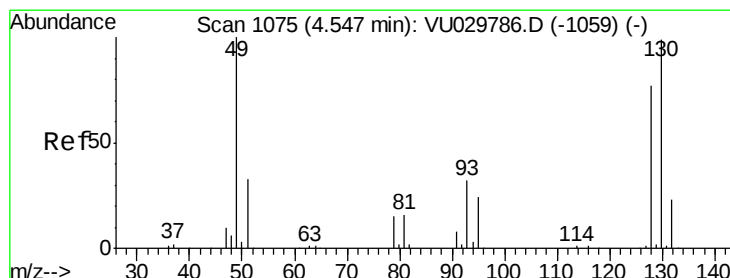
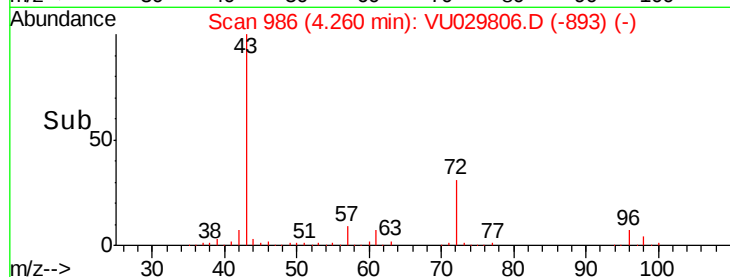
20000

0

4.26

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 54.398 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Tgt Ion: 128 Resp: 98230

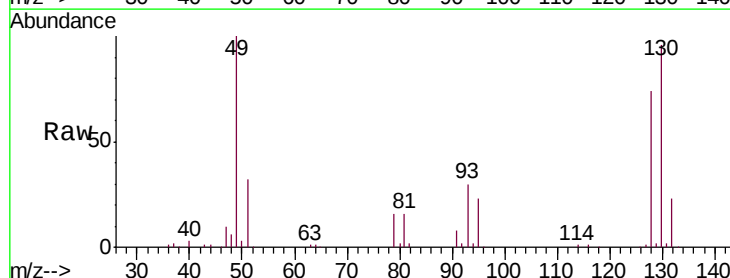
Ion Ratio Lower Upper

128 100

49 134.6 85.9 159.5

130 129.9 91.3 169.5

51 42.5 32.2 48.2



Abundance Ion 128.00 (127.70 to 128.70): VU029786.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU029786.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU029786.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU029786.D (-1059) (-)

80000

60000

40000

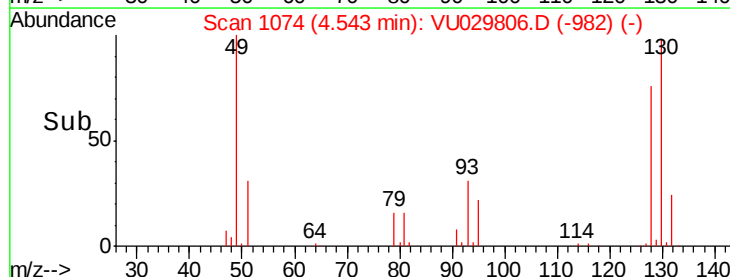
20000

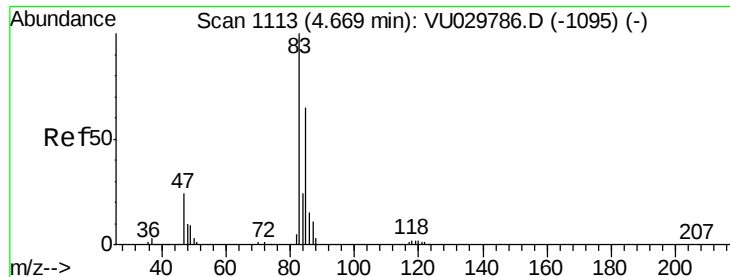
0

4.54

4.45 4.50 4.55 4.60 4.65

Time-->

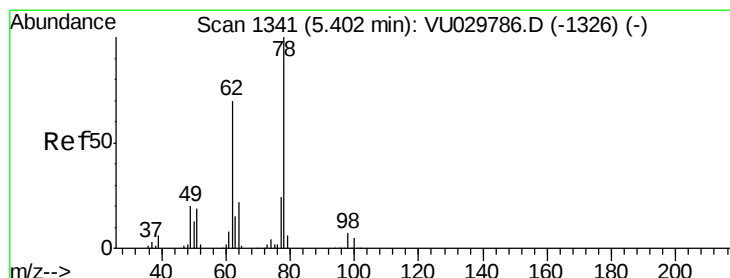
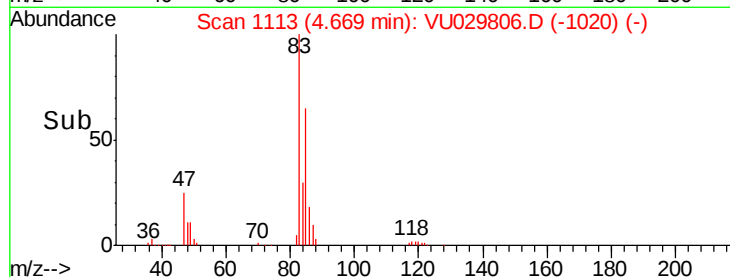
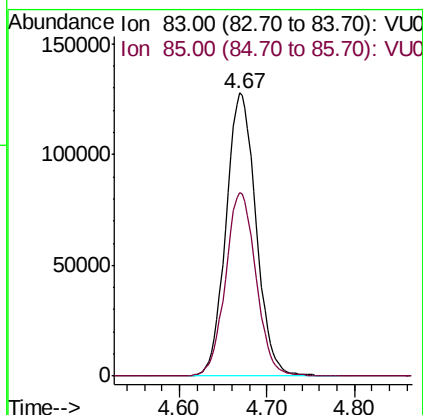
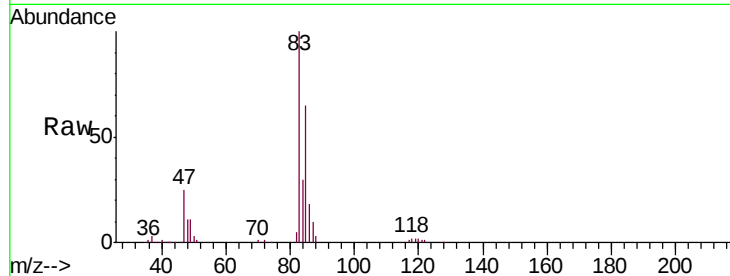




#25
Chloroform
Concen: 55.751 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029806.D
Acq: 05 Mar 2019 00:37

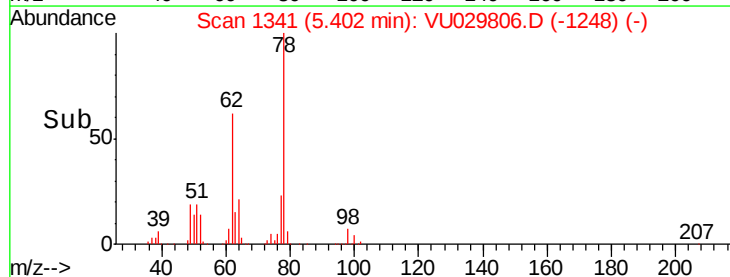
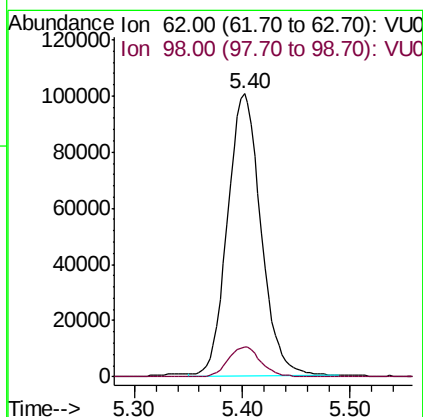
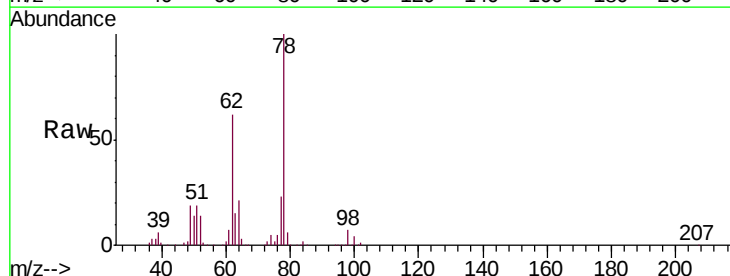
Instrument :
MSVOA_U
ClientSampled :
VSTD05048

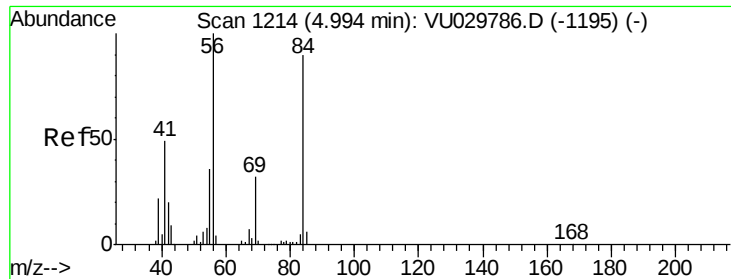
Tgt Ion: 83 Resp: 304911
Ion Ratio Lower Upper
83 100
85 64.7 45.4 84.2



#27
1,2-Dichloroethane
Concen: 51.863 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU029806.D
Acq: 05 Mar 2019 00:37

Tgt Ion: 62 Resp: 218082
Ion Ratio Lower Upper
62 100
98 10.7 7.8 11.8

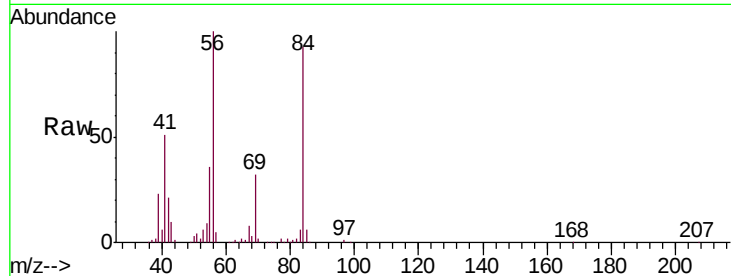




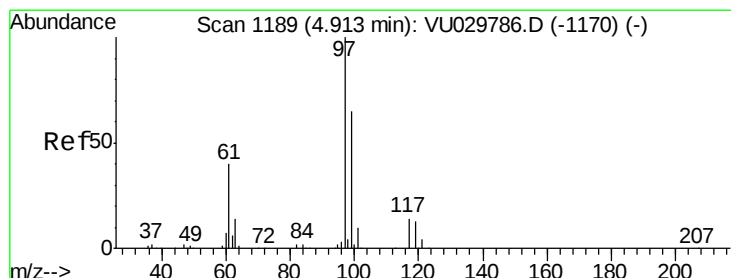
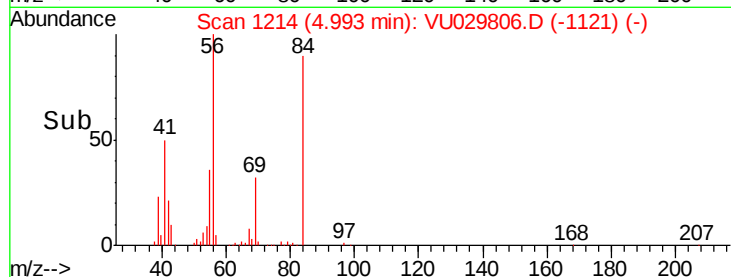
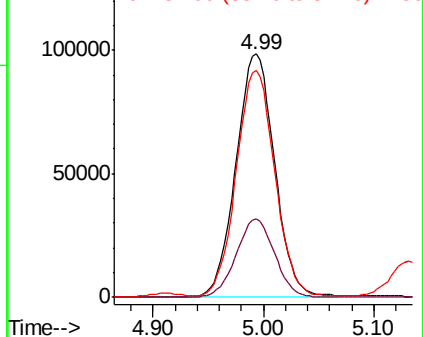
#29
Cyclohexane
Concen: 52.443 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU029806.D
Acq: 05 Mar 2019 00:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

Tgt Ion: 56 Resp: 239909
Ion Ratio Lower Upper
56 100
69 31.8 25.7 38.5
84 92.8 77.1 115.7

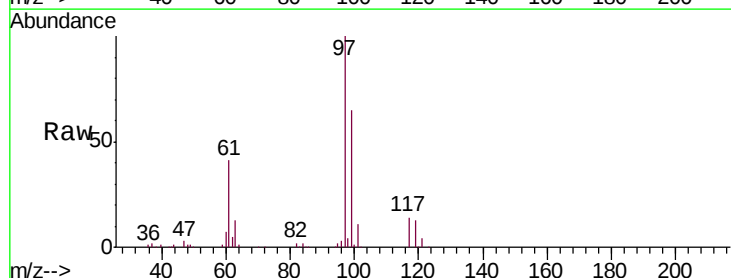


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

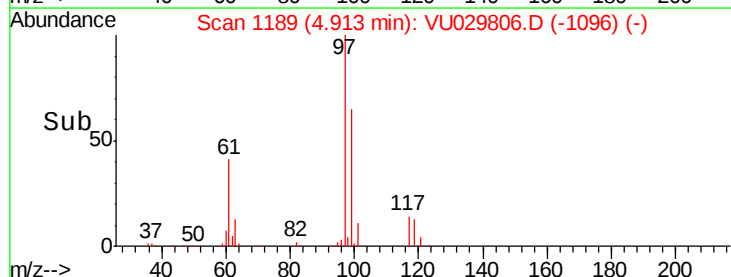
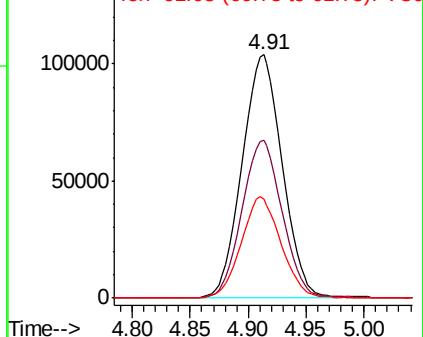


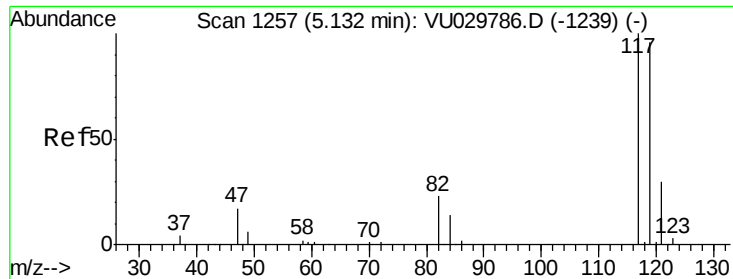
#30
1,1,1-Trichloroethane
Concen: 51.110 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU029806.D
Acq: 05 Mar 2019 00:37

Tgt Ion: 97 Resp: 250515
Ion Ratio Lower Upper
97 100
99 64.9 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: 49.782 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

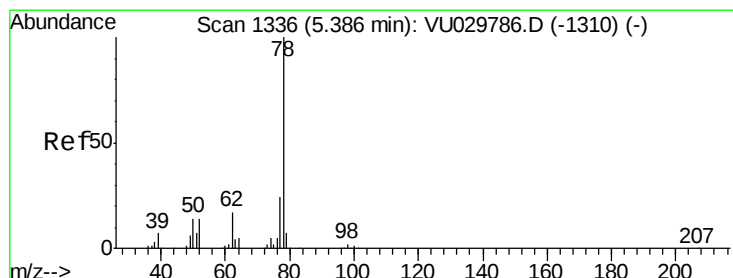
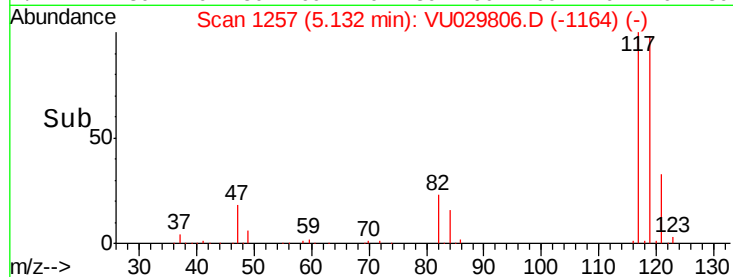
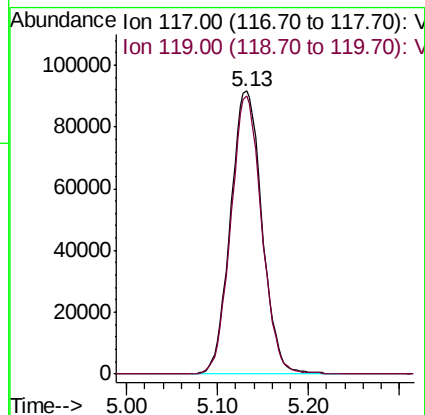
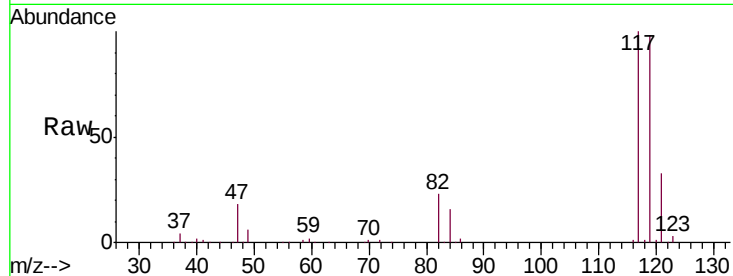
VSTD05048

Tgt Ion:117 Resp: 220848

Ion Ratio Lower Upper

117 100

119 95.8 77.8 116.8



#33

Benzene

Concen: 54.852 ug/L

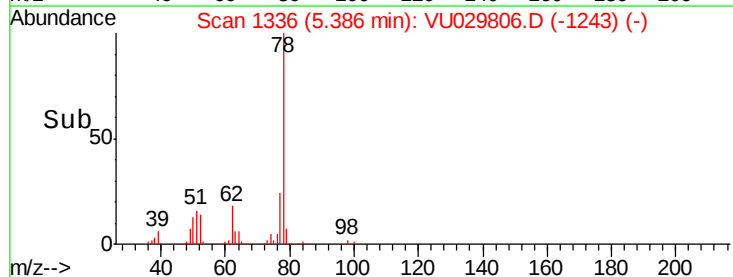
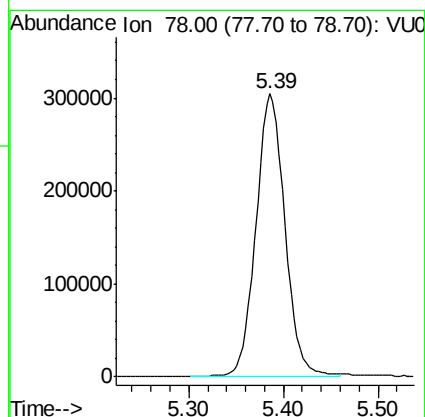
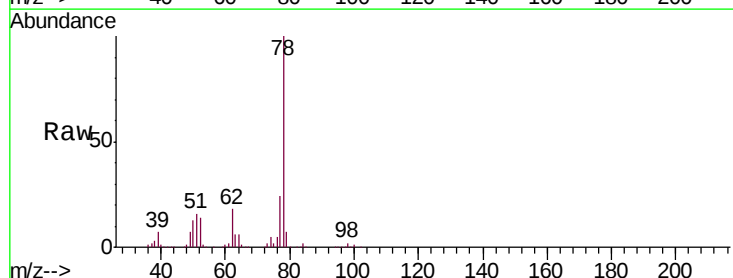
RT: 5.39 min Scan# 1336

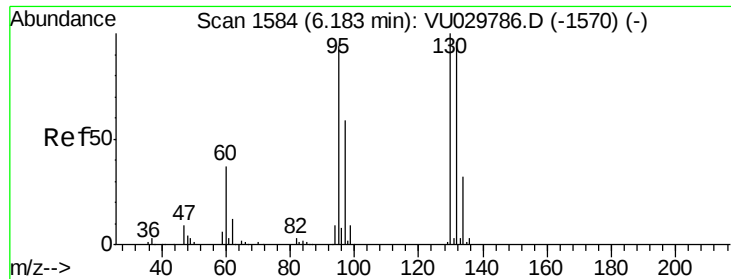
Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Tgt Ion: 78 Resp: 650104





#34

Trichloroethene

Concen: 53.846 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

Tgt Ion: 95 Resp: 171919

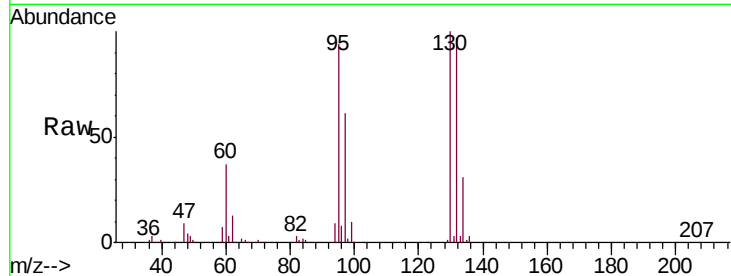
Ion Ratio Lower Upper

95 100

97 64.5 44.6 82.8

132 103.4 74.6 138.6

130 106.2 77.2 143.4

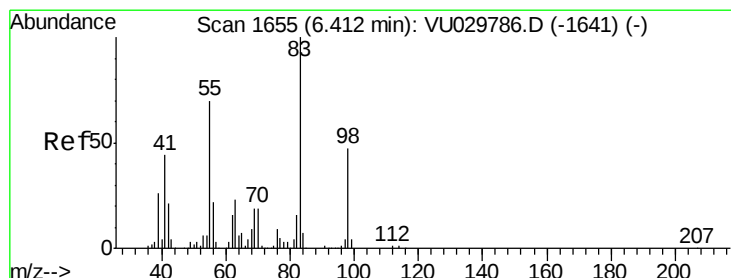
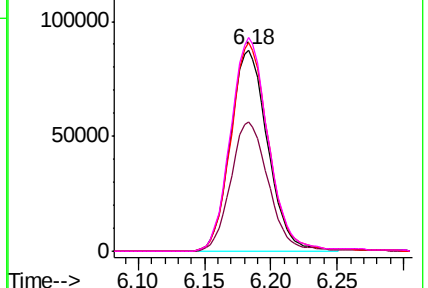
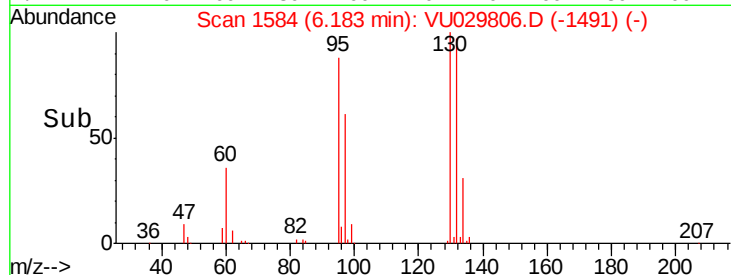


Abundance Ion 95.00 (94.70 to 95.70): VU029786.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU029786.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU029786.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU029786.D (-1570) (-)



#35

Methylcyclohexane

Concen: 50.727 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

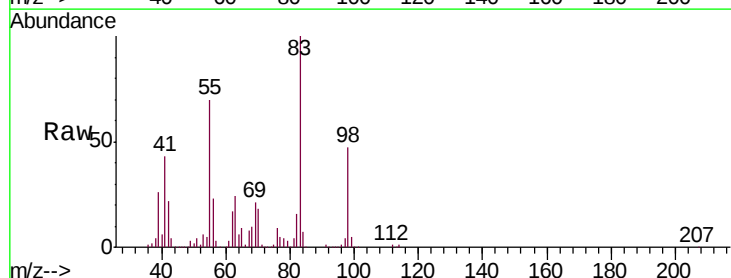
Tgt Ion: 83 Resp: 268967

Ion Ratio Lower Upper

83 100

55 70.0 55.2 82.8

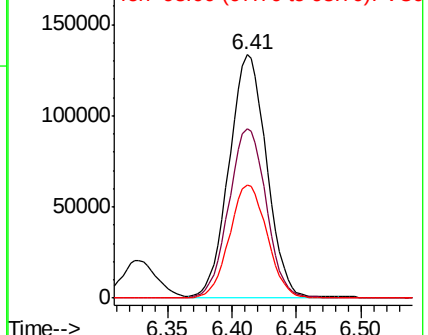
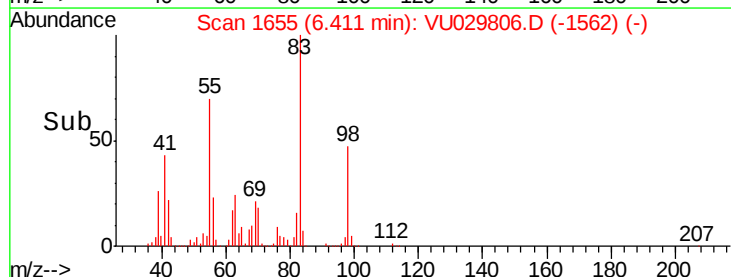
98 47.0 39.4 59.2

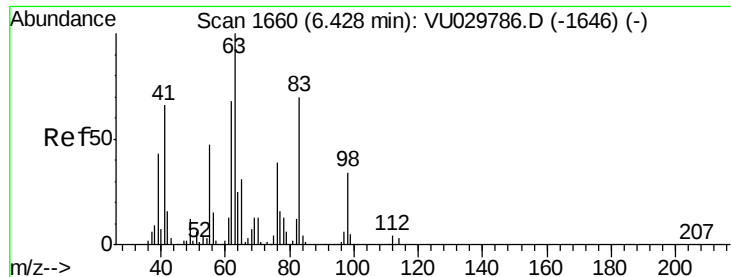


Abundance Ion 83.00 (82.70 to 83.70): VU029786.D (-1641) (-)

Ion 55.00 (54.70 to 55.70): VU029786.D (-1641) (-)

Ion 98.00 (97.70 to 98.70): VU029786.D (-1641) (-)

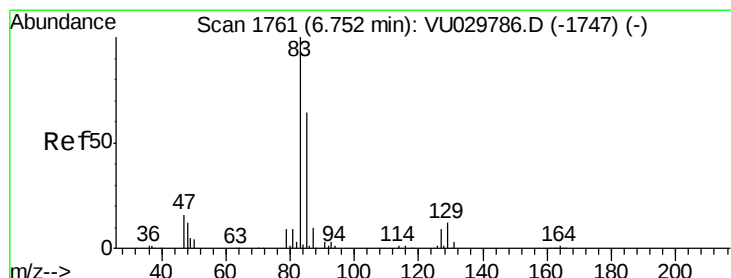
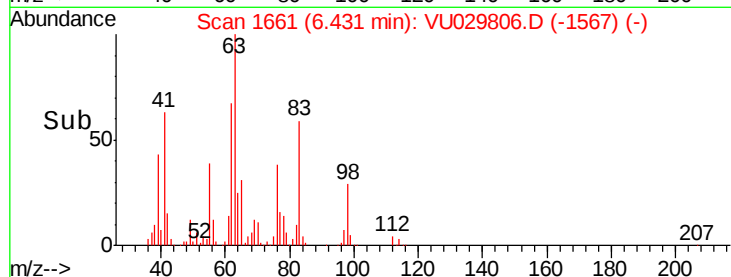
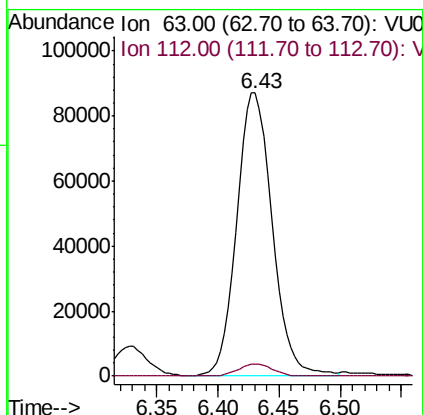
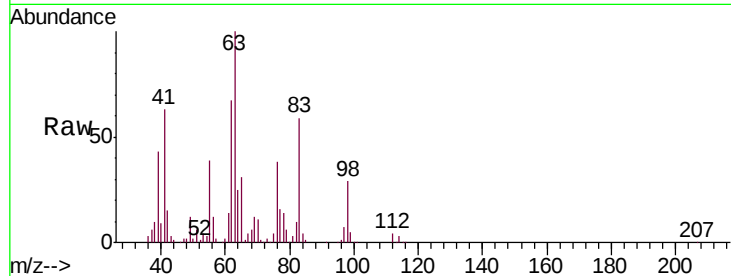




#37
 1,2-Dichloropropane
 Concen: 56.082 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

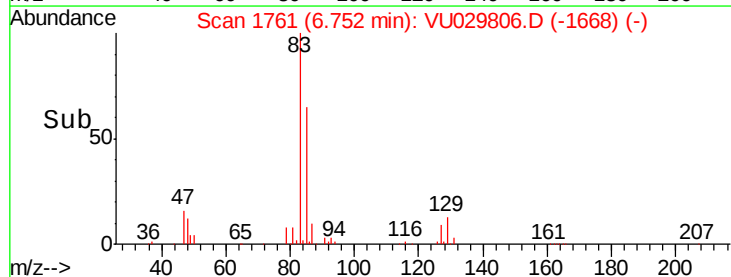
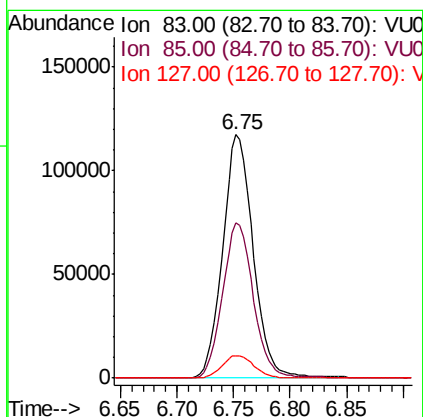
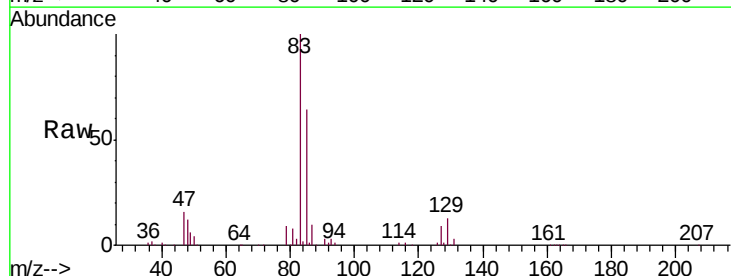
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

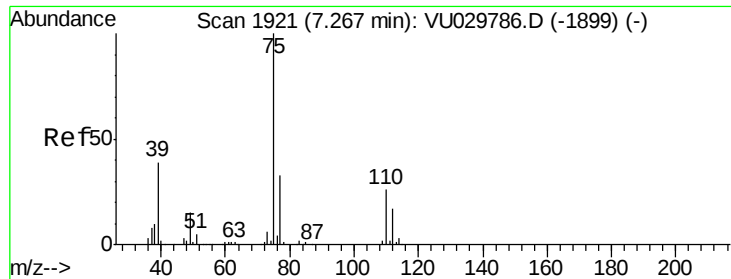
Tgt Ion: 63 Resp: 174480
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 52.557 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

Tgt Ion: 83 Resp: 220440
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.2 82.0
 127 9.3 8.3 12.5

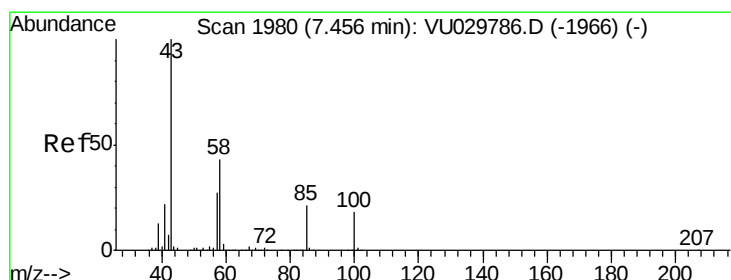
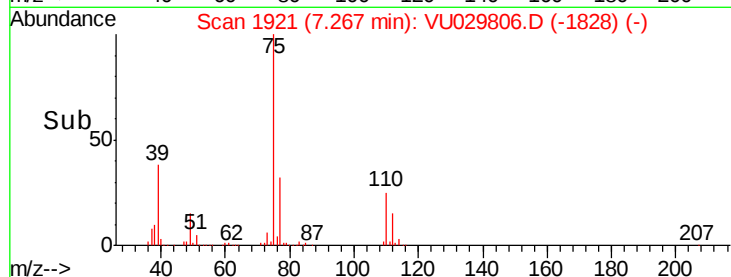
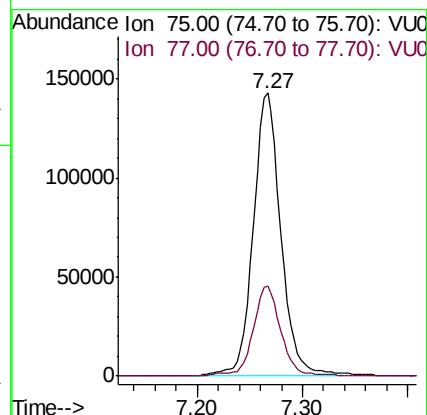
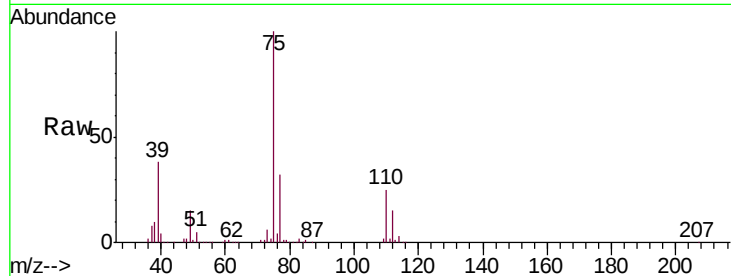




#39
 cis-1,3-Dichloropropene
 Concen: 51.995 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

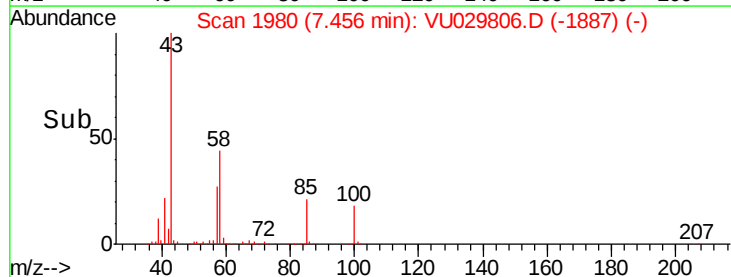
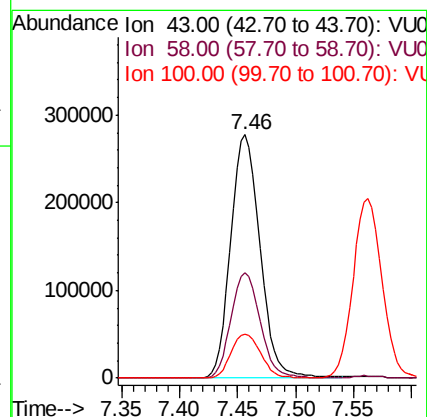
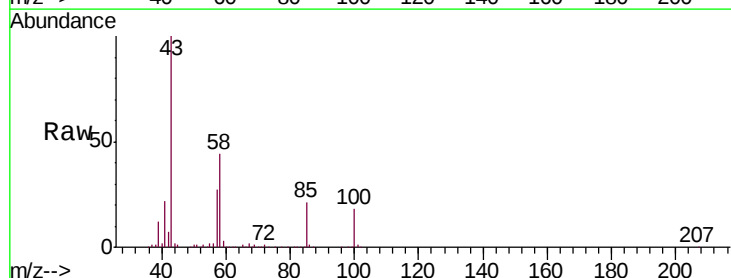
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

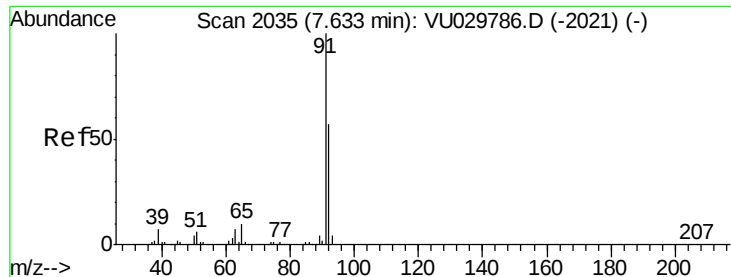
Tgt Ion: 75 Resp: 260995
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 111.164 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

Tgt Ion: 43 Resp: 486342
 Ion Ratio Lower Upper
 43 100
 58 42.9 33.0 49.4
 100 18.4 14.5 21.7





#42

Toluene

Concen: 52.298 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

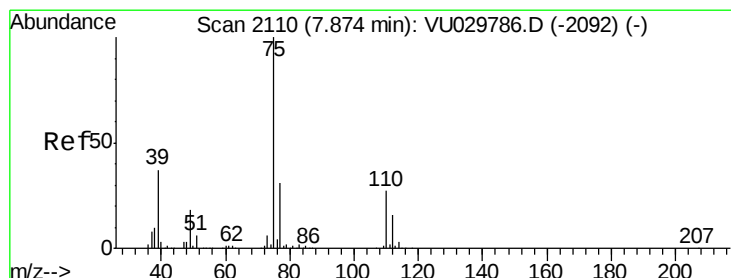
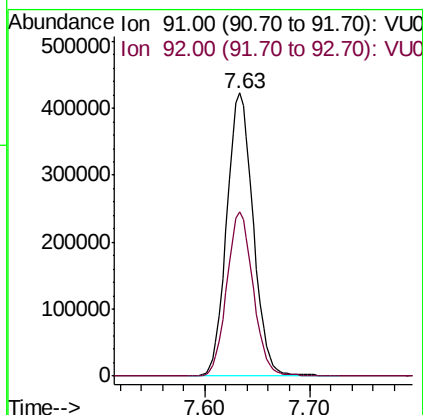
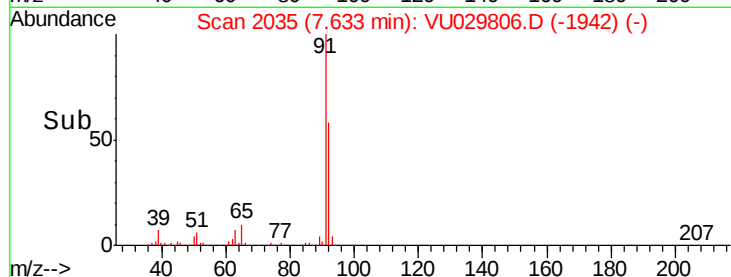
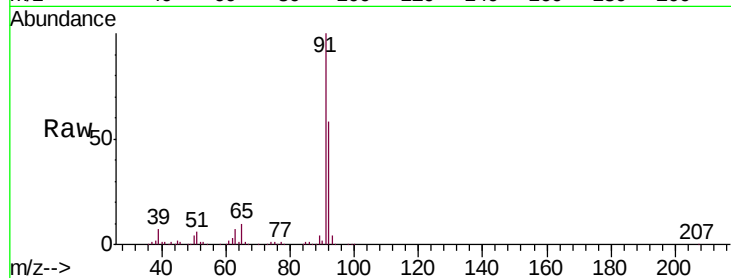
VSTD05048

Tgt Ion: 91 Resp: 733004

Ion Ratio Lower Upper

91 100

92 58.0 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 50.115 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU029806.D

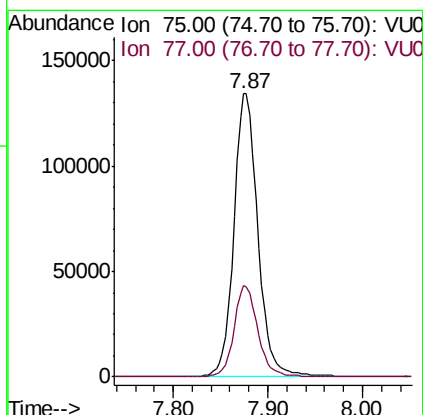
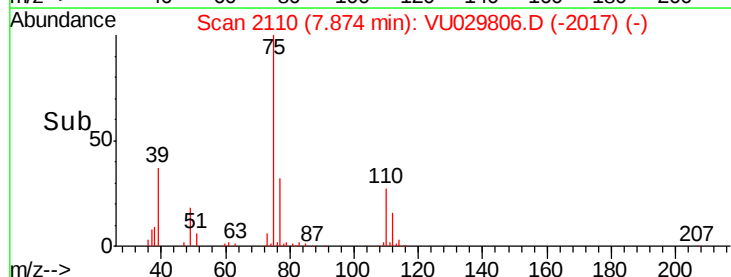
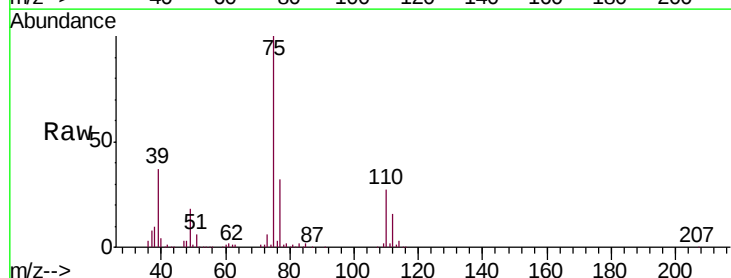
Acq: 05 Mar 2019 00:37

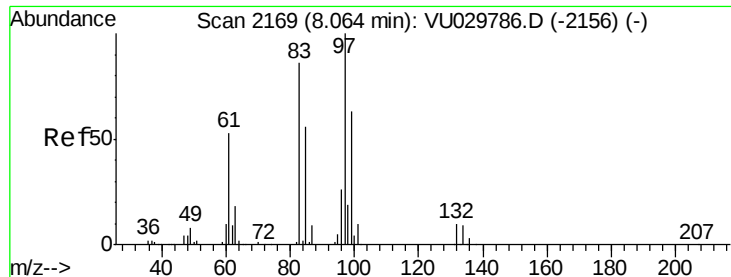
Tgt Ion: 75 Resp: 237075

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1

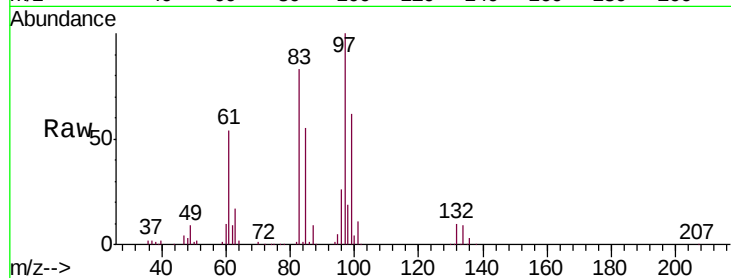




#45
 1,1,2-Trichloroethane
 Concen: 54.491 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Tgt Ion:	97	Resp:	180701
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.8	81.3
83	83.2	57.7	107.1
85	55.2	38.5	71.5



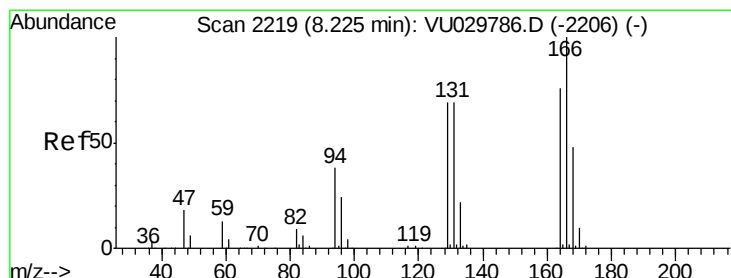
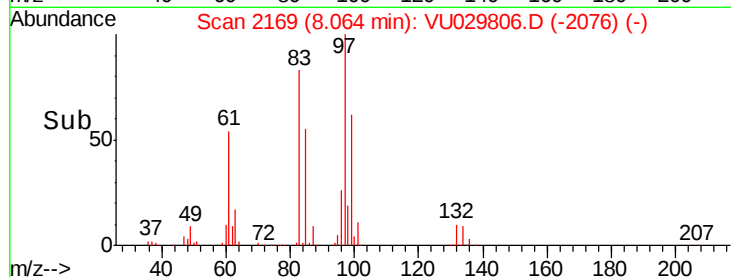
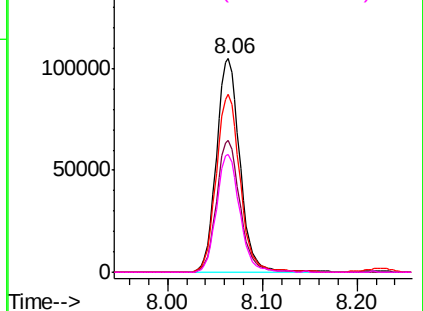
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

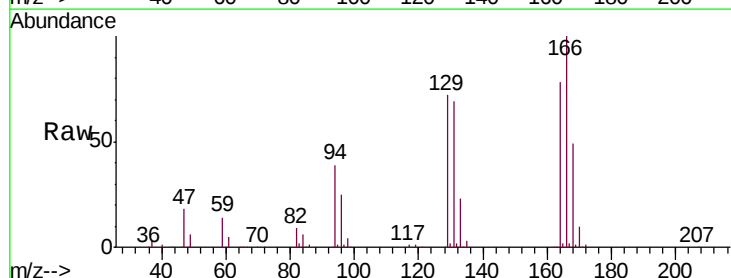
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 47.752 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

Tgt Ion:	164	Resp:	149225
Ion	Ratio	Lower	Upper
164	100		
129	91.8	62.1	115.3
131	87.4	60.1	111.5
166	127.4	89.7	166.5



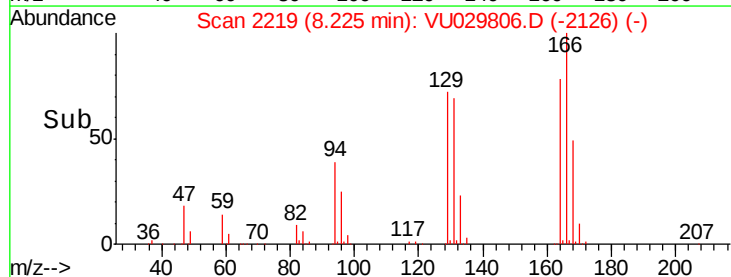
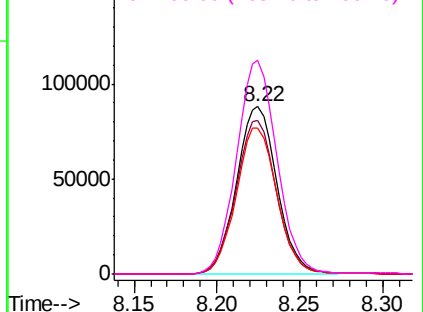
Abundance

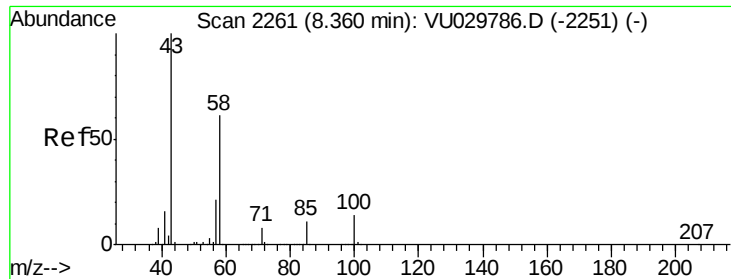
Ion 164.00 (163.70 to 164.70): V

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

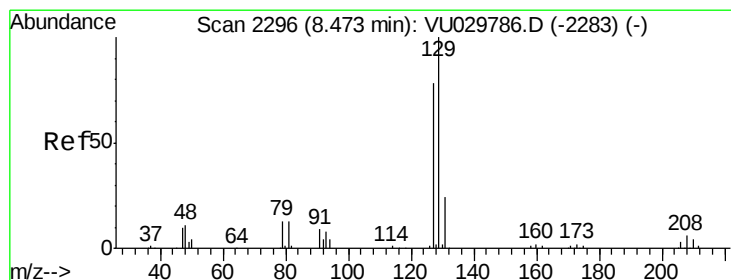
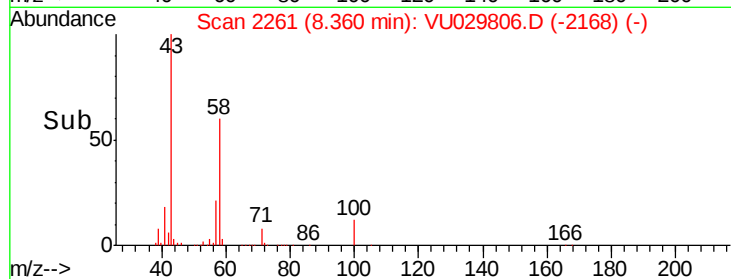
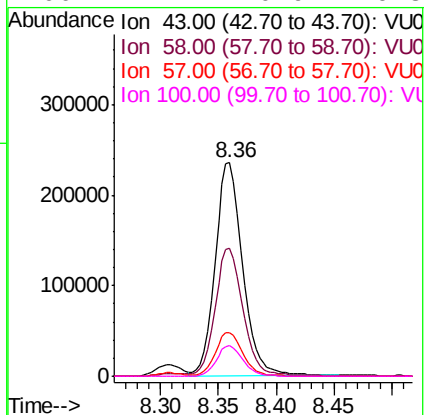
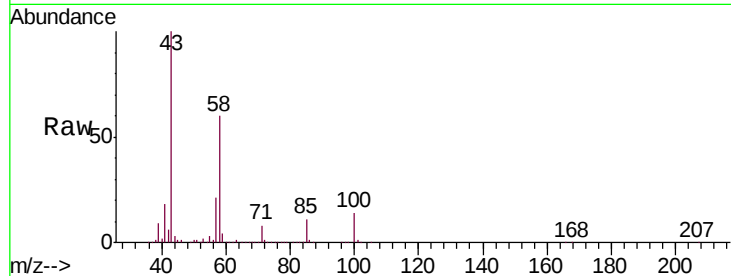




#48
2-Hexanone
Concen: 101.694 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU029806.D
Acq: 05 Mar 2019 00:37

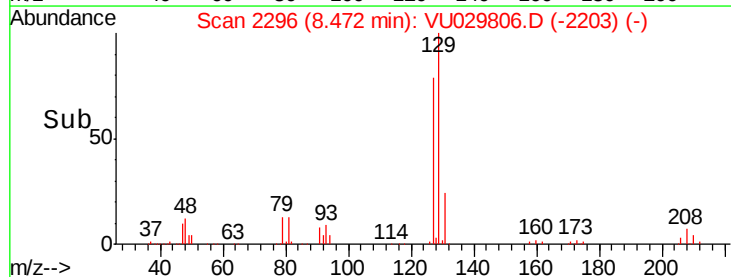
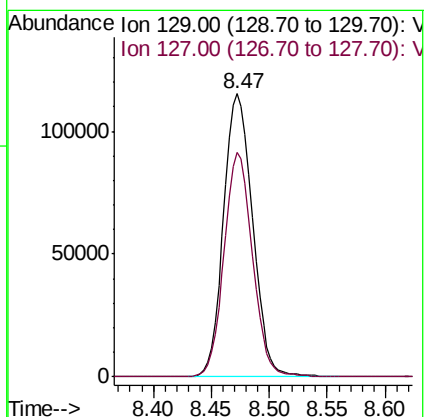
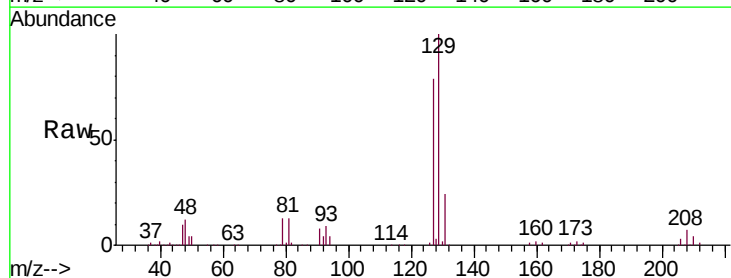
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

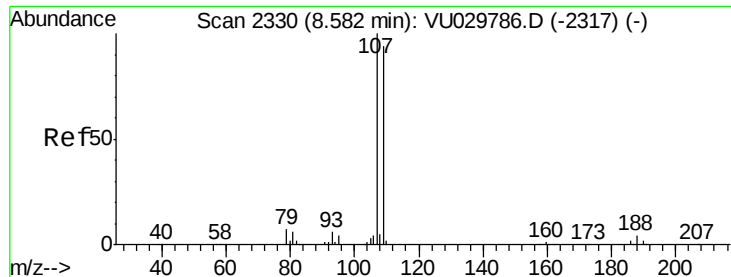
Tgt Ion:	43	Resp:	388665
Ion	Ratio	Lower	Upper
43	100		
58	60.7	46.4	69.6
57	20.2	15.7	23.5
100	14.2	10.9	16.3



#49
Dibromochloromethane
Concen: 49.781 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029806.D
Acq: 05 Mar 2019 00:37

Tgt Ion:	129	Resp:	200127
Ion	Ratio	Lower	Upper
129	100		
127	79.1	54.4	101.0

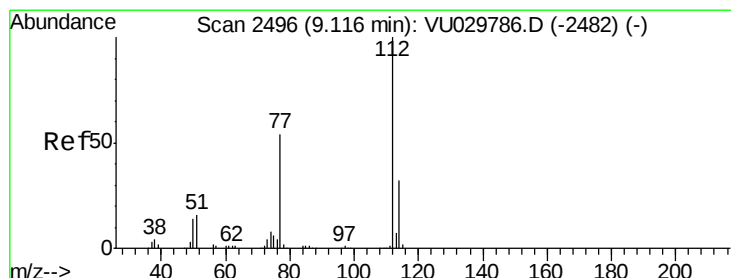
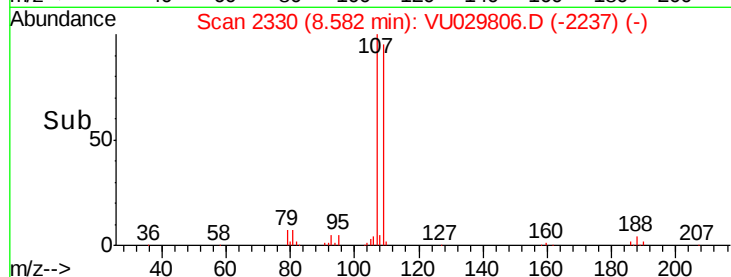
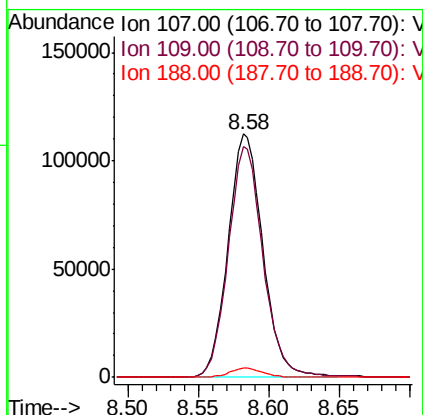
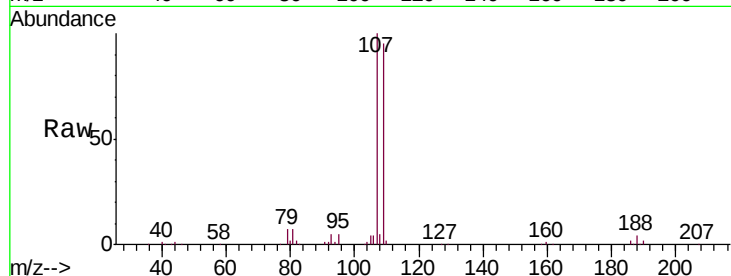




#50
1,2-Dibromoethane
Concen: 52.930 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU029806.D
Acq: 05 Mar 2019 00:37

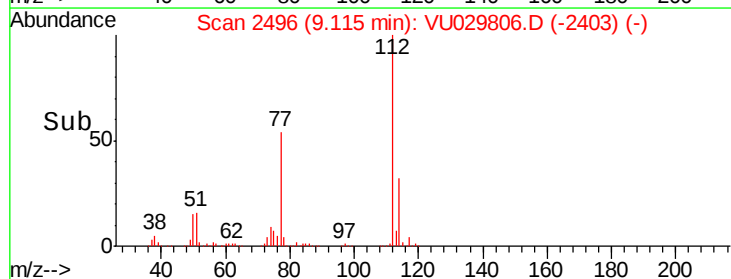
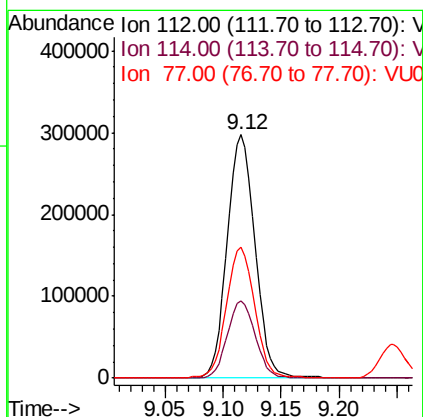
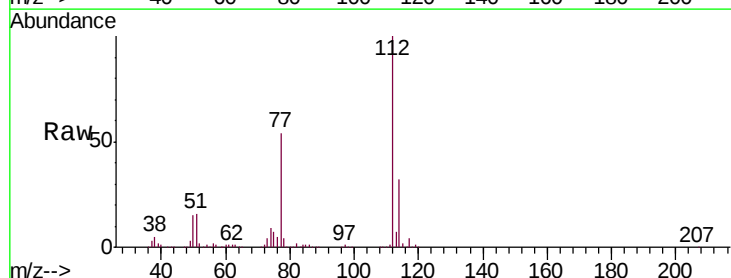
Instrument :
MSVOA_U
ClientSampleId :
VSTD05048

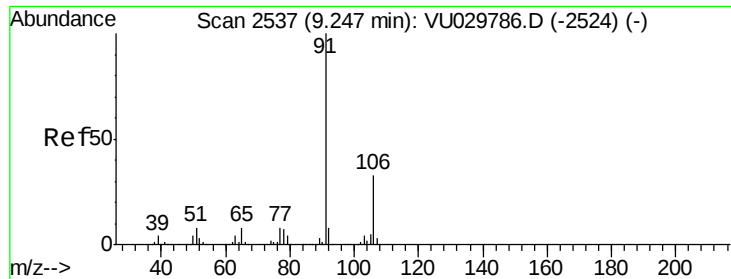
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.7	66.4	123.4
188	3.8	3.5	5.3



#51
Chlorobenzene
Concen: 51.255 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029806.D
Acq: 05 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.7	42.1
77	53.6	42.1	63.1





#52

Ethylbenzene

Concen: 50.862 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

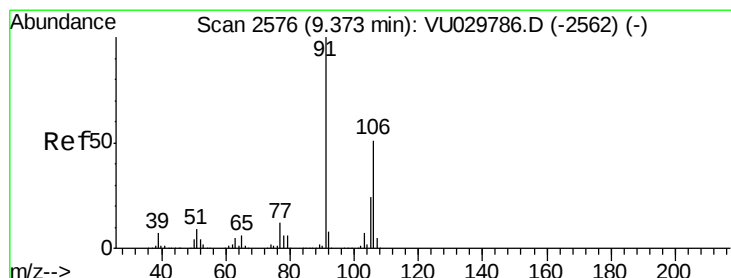
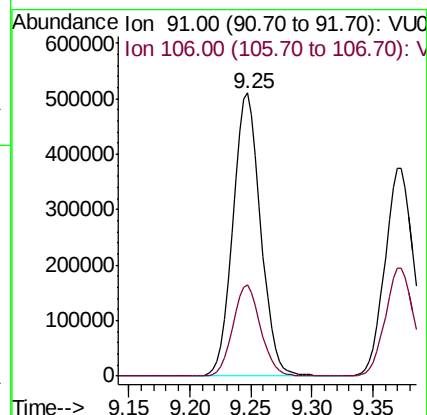
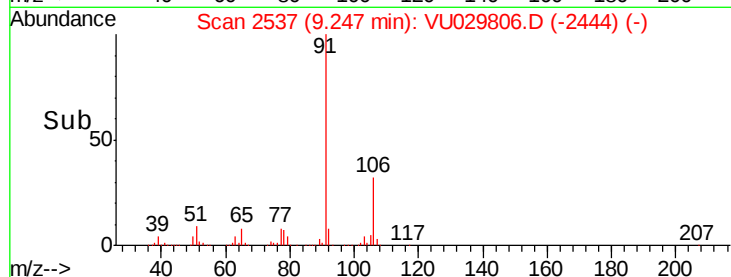
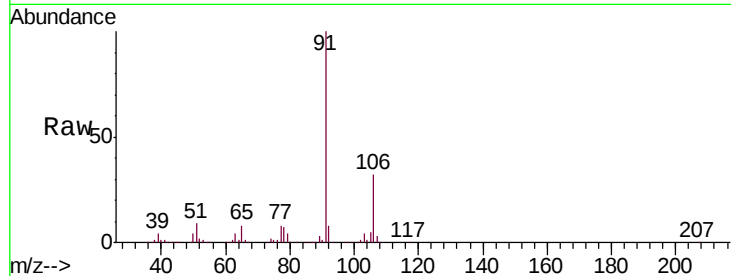
VSTD05048

Tgt Ion: 91 Resp: 809637

Ion Ratio Lower Upper

91 100

106 32.1 22.7 42.1



#53

m,p-Xylene

Concen: 49.934 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029806.D

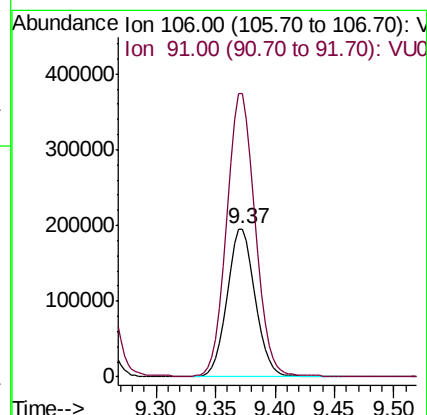
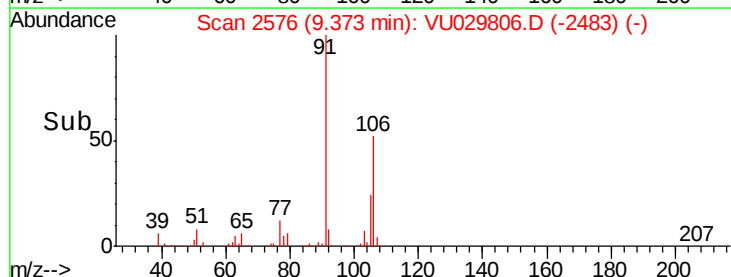
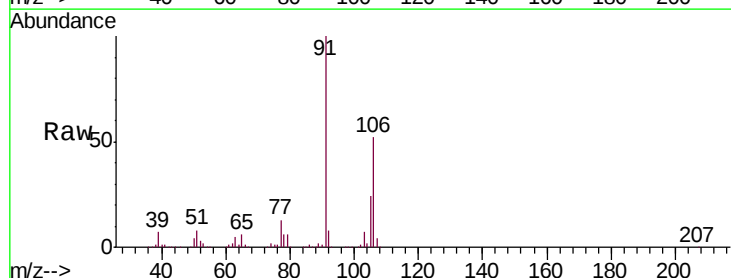
Acq: 05 Mar 2019 00:37

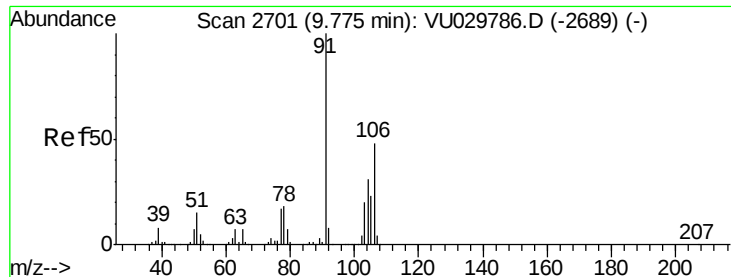
Tgt Ion: 106 Resp: 319072

Ion Ratio Lower Upper

106 100

91 191.0 135.3 251.3





#54

o-xylene

Concen: 49.412 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

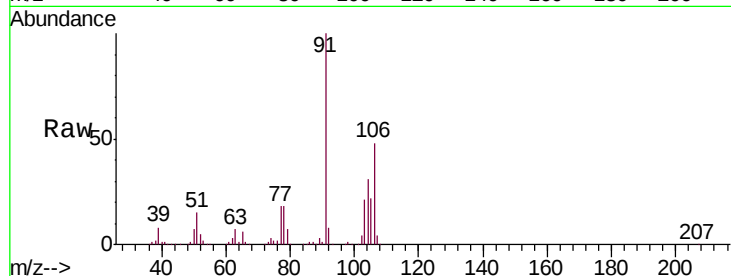
VSTD05048

Tgt Ion:106 Resp: 317151

Ion Ratio Lower Upper

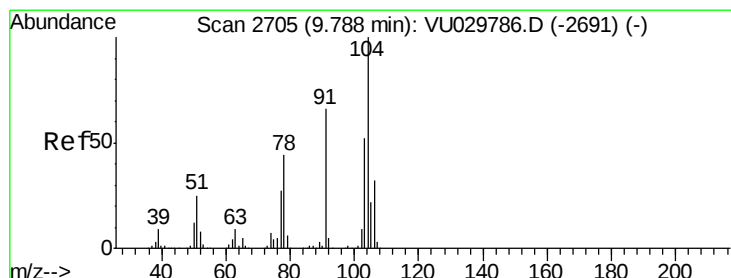
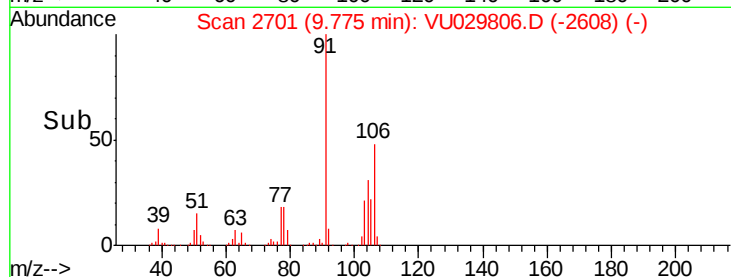
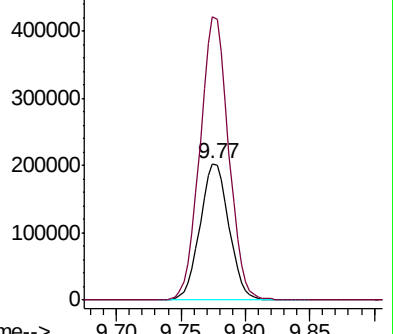
106 100

91 207.6 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.078 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU029806.D

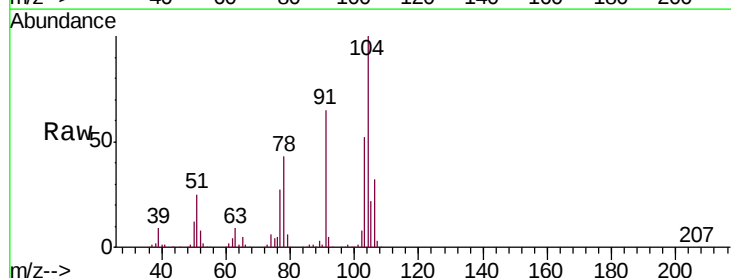
Acq: 05 Mar 2019 00:37

Tgt Ion:104 Resp: 542611

Ion Ratio Lower Upper

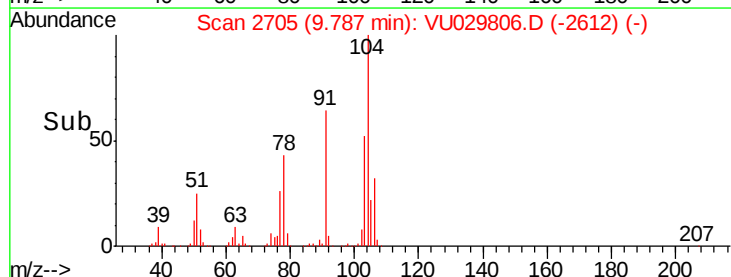
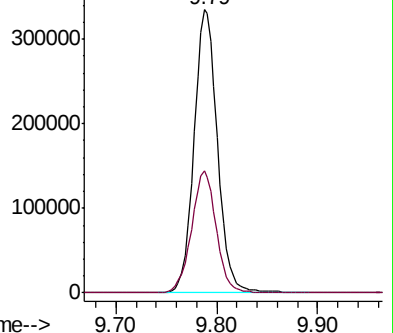
104 100

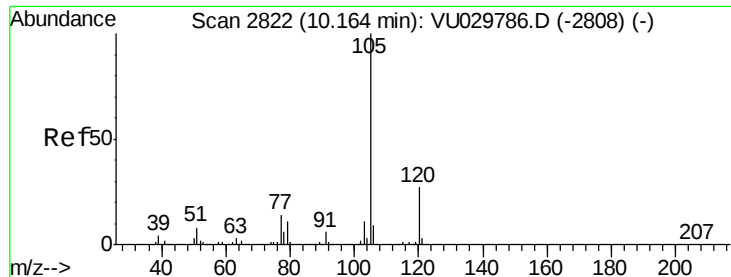
78 43.0 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.104 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

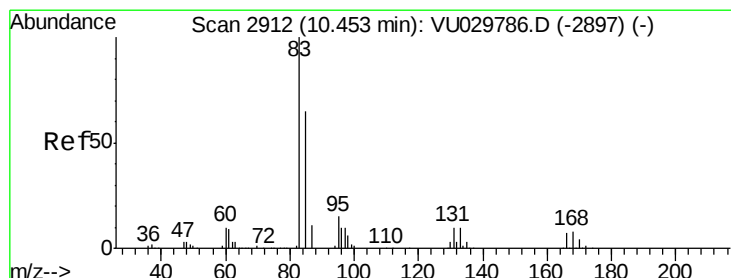
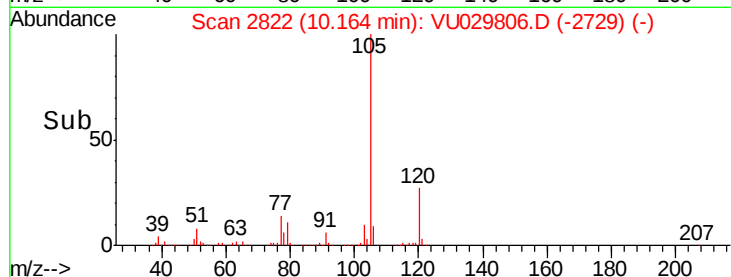
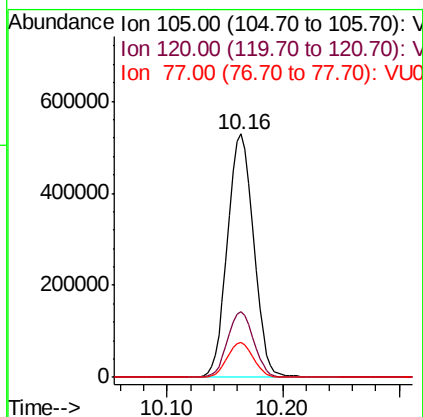
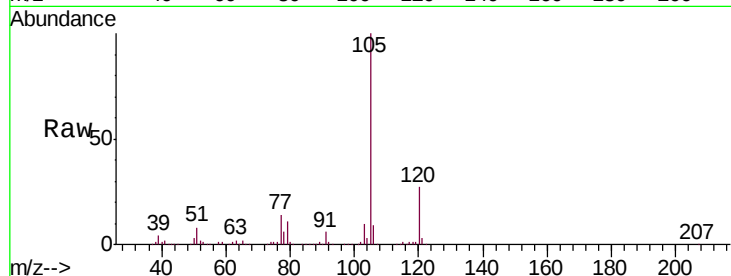
Tgt Ion:105 Resp: 824729

Ion Ratio Lower Upper

105 100

120 26.9 21.9 32.9

77 14.3 11.7 17.5



#58

1,1,2,2-Tetrachloroethane

Concen: 53.275 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

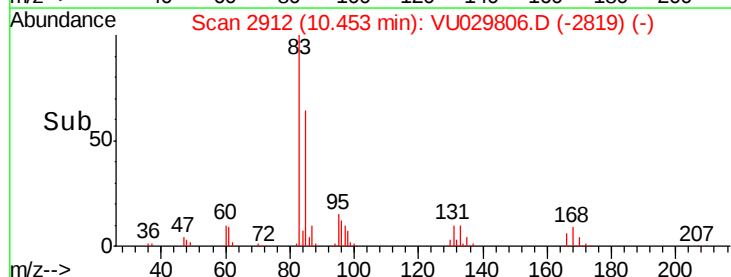
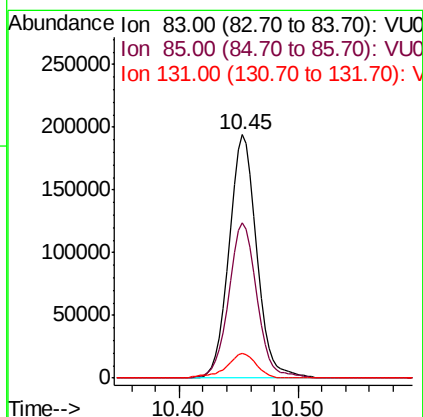
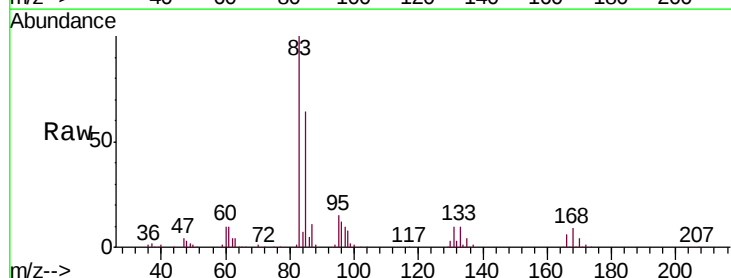
Tgt Ion: 83 Resp: 312405

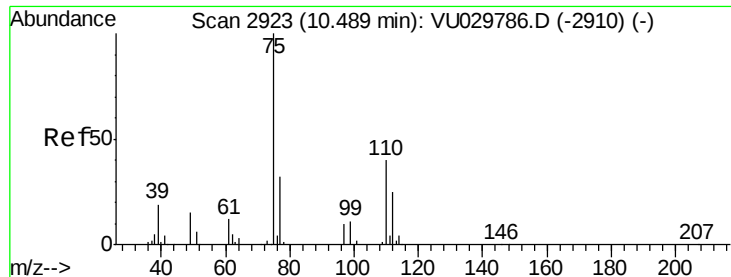
Ion Ratio Lower Upper

83 100

85 64.0 45.5 84.5

131 10.2 8.6 12.8

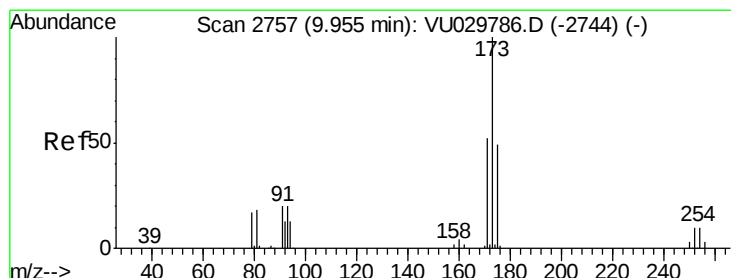
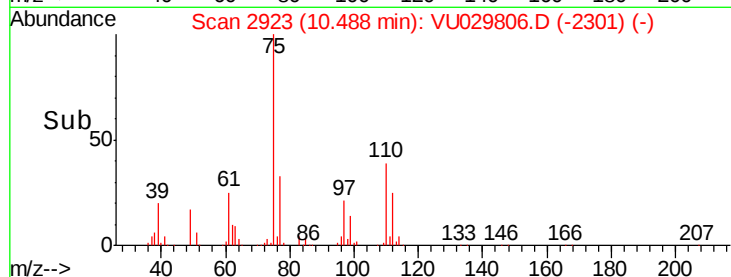
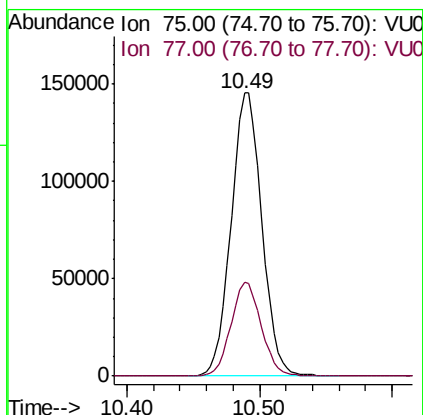
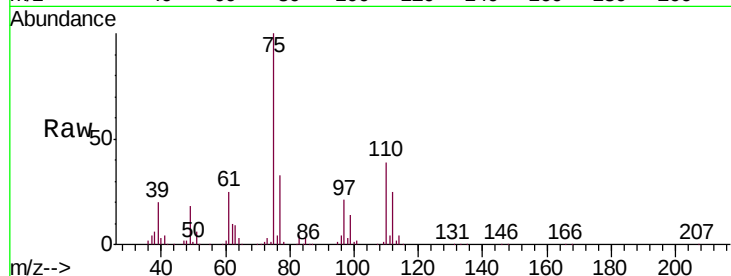




#59
 1,2,3-Trichloropropane
 Concen: 52.759 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

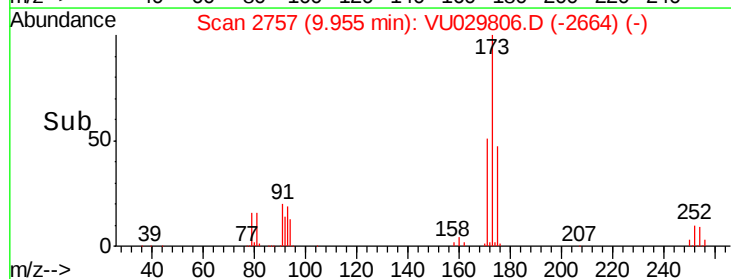
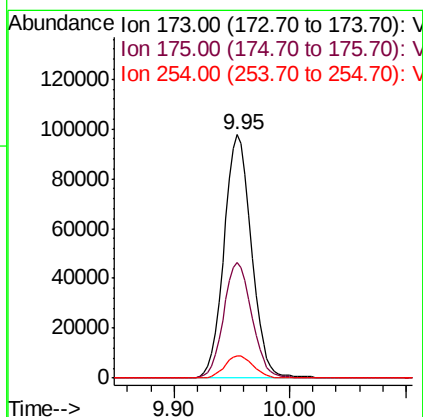
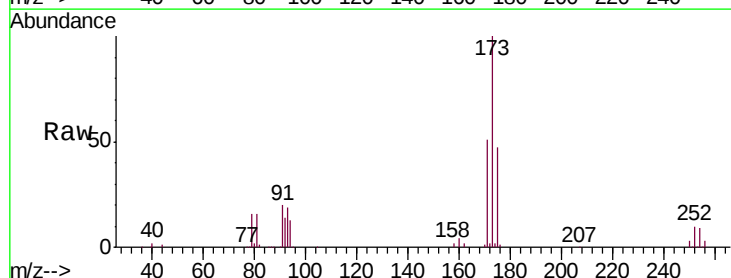
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

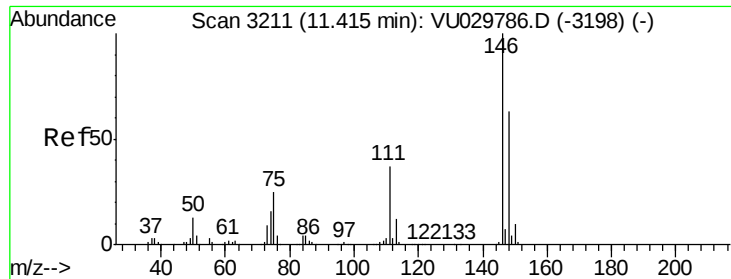
Tgt Ion: 75 Resp: 234038
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.7 38.5



#61
 Bromoform
 Concen: 47.096 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

Tgt Ion: 173 Resp: 160545
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.0 58.4
 254 9.5 8.1 12.1

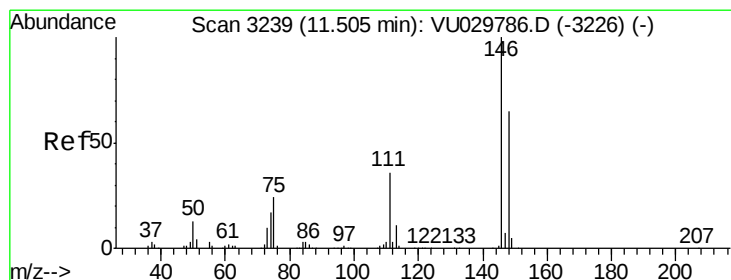
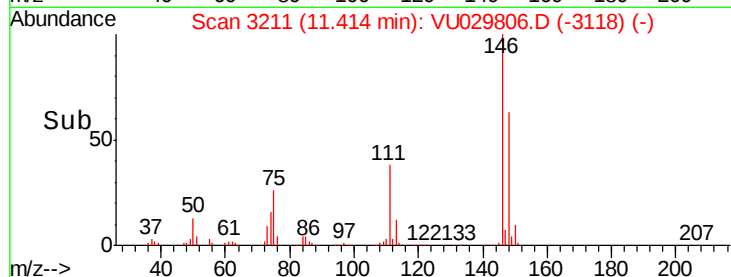
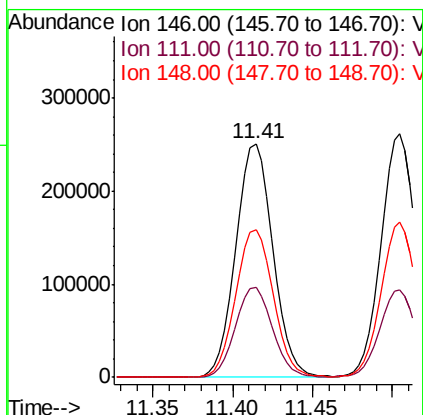
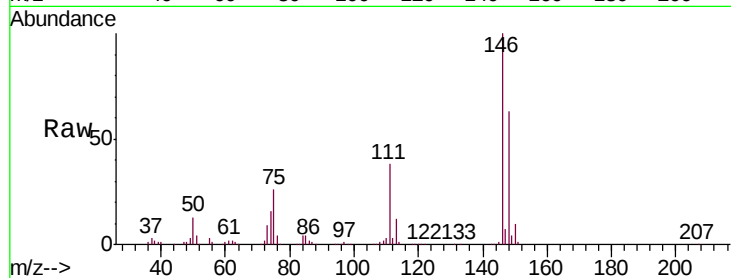




#62
 1,3-Dichlorobenzene
 Concen: 49.161 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

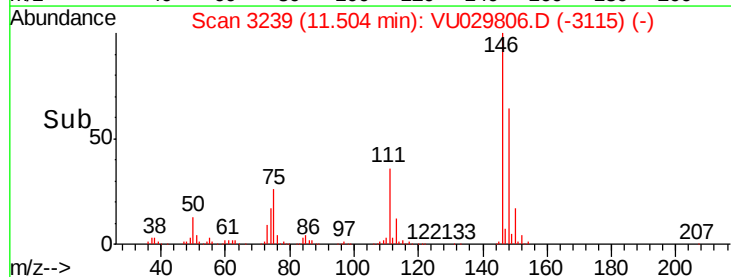
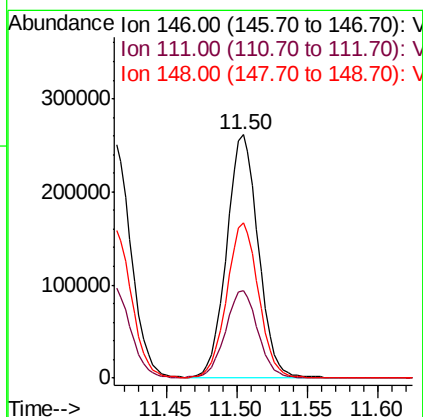
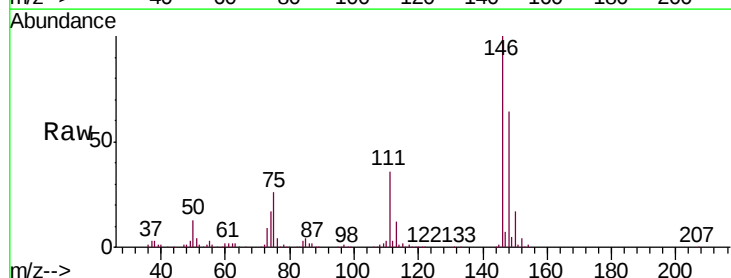
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

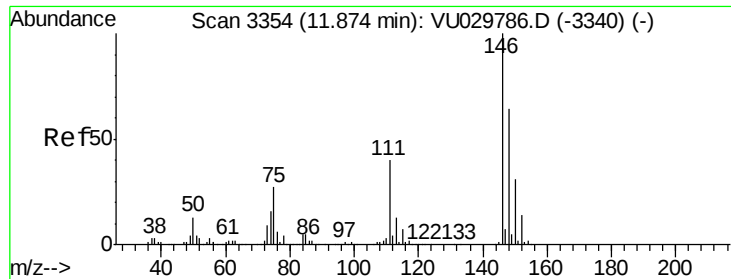
Tgt Ion:146 Resp: 396774
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.7 49.5
 148 63.0 45.9 85.3



#63
 1,4-Dichlorobenzene
 Concen: 50.265 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

Tgt Ion:146 Resp: 408257
 Ion Ratio Lower Upper
 146 100
 111 35.8 25.1 46.5
 148 63.6 45.0 83.6

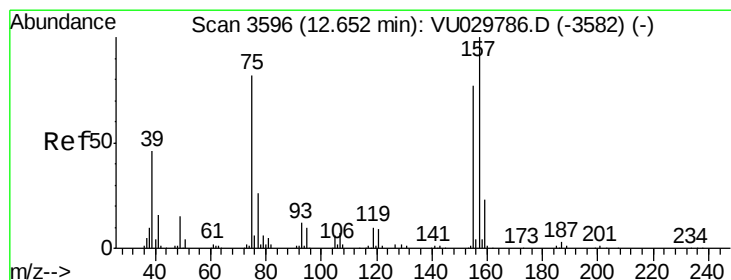
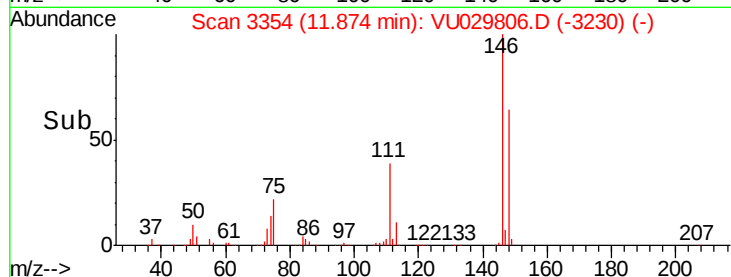
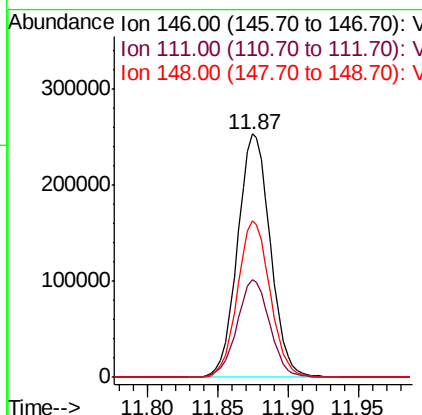
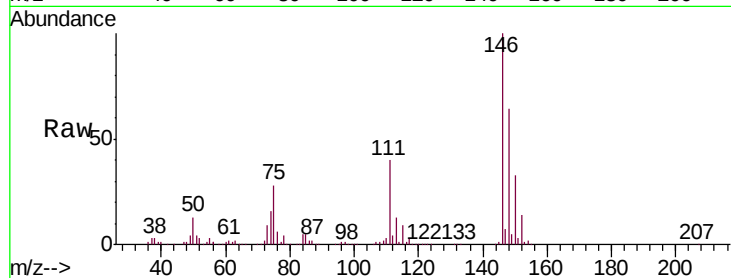




#65
 1,2-Dichlorobenzene
 Concen: 48.880 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

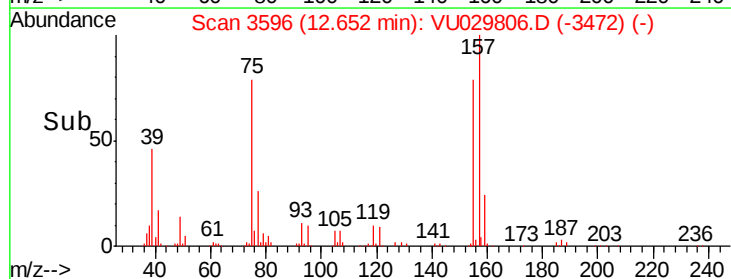
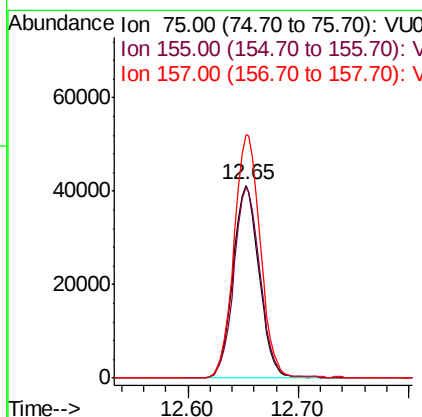
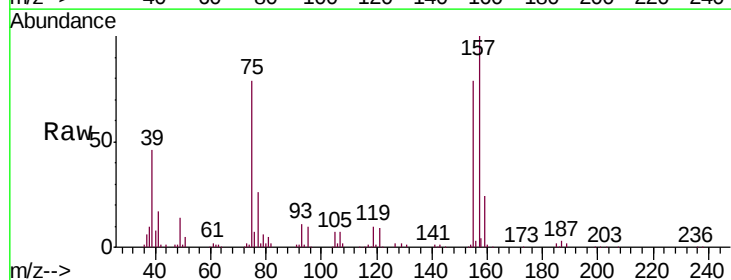
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

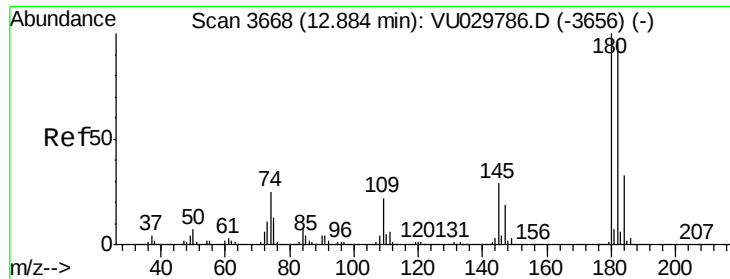
Tgt Ion: 146 Resp: 411803
 Ion Ratio Lower Upper
 146 100
 111 39.9 31.2 46.8
 148 64.1 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.101 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

Tgt Ion: 75 Resp: 68306
 Ion Ratio Lower Upper
 75 100
 155 99.3 79.5 119.3
 157 126.3 103.4 155.0

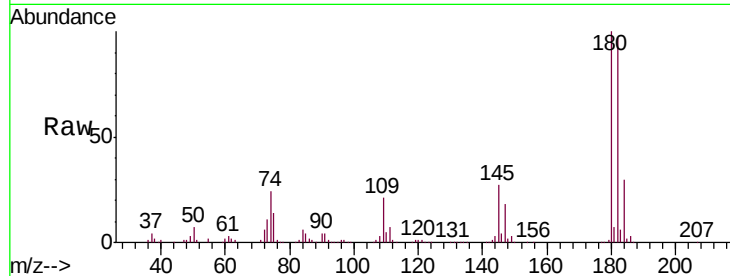




#67
 1,3,5-Trichlorobenzene
 Concen: 49.904 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.9	116.9
184	29.9	24.5	36.7
145	27.1	22.4	33.6



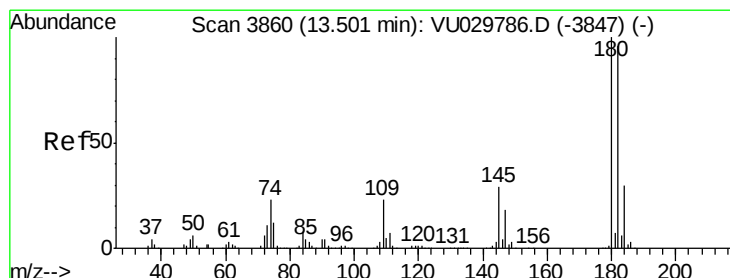
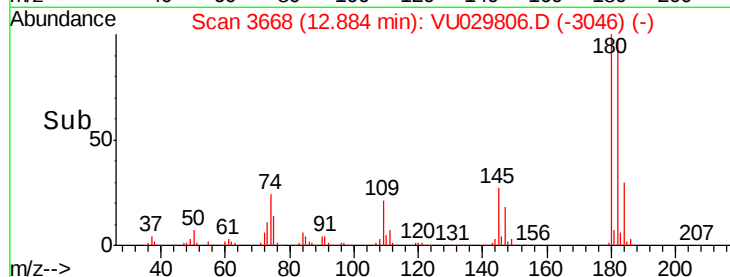
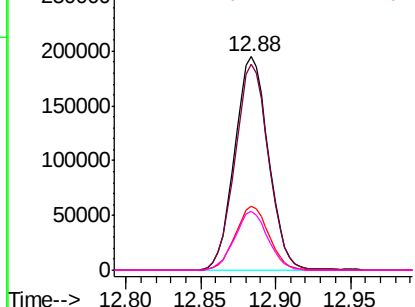
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

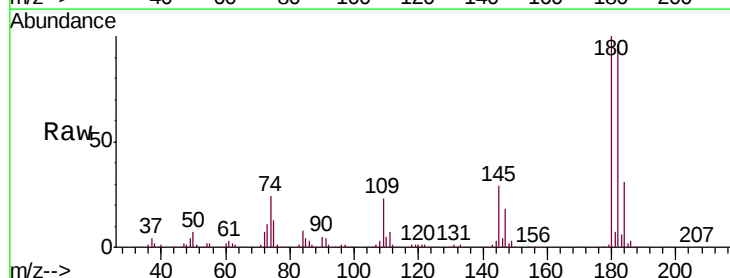
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.127 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU029806.D
 Acq: 05 Mar 2019 00:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.2	114.2
145	28.6	22.7	34.1

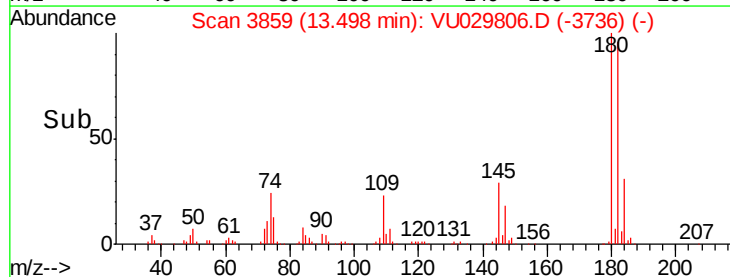
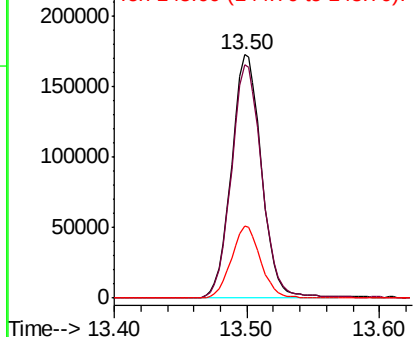


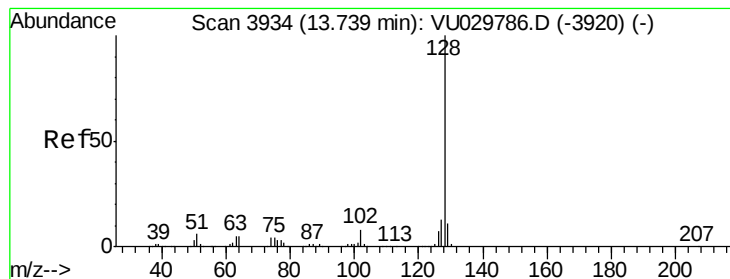
Abundance

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: 54.973 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05048

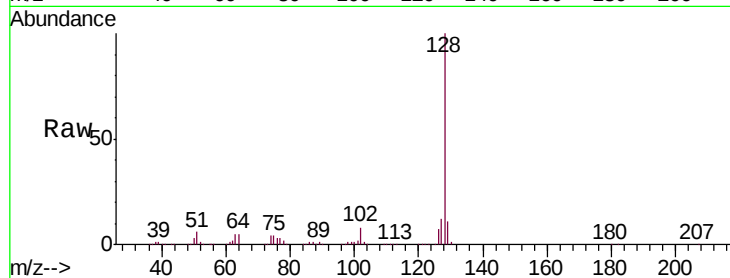
Tgt Ion:128 Resp: 900093

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

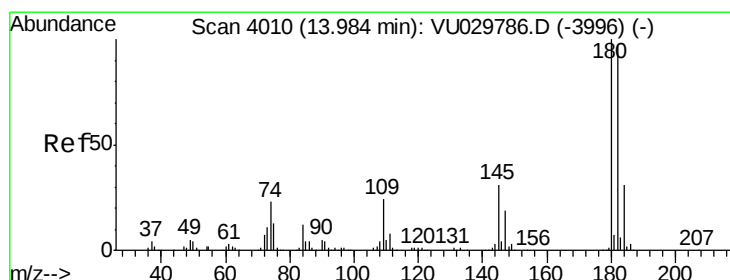
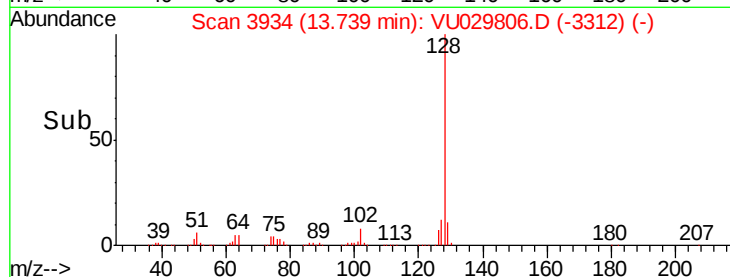
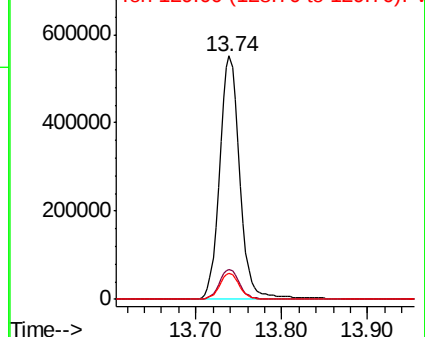
129 10.6 8.5 12.7



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: 50.531 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029806.D

Acq: 05 Mar 2019 00:37

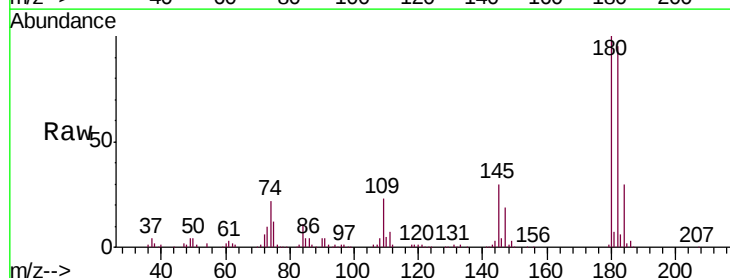
Tgt Ion:180 Resp: 285849

Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

145 30.3 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

