

Data File : VU031396.D
Acq On : 22 Apr 2019 16:01
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Apr 23 01:04:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 00:59:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	504380	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	482686	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	237873	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	240456	51.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.54%
7) Chloroethane-d5	1.68	69	189623	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.04%
11) 1,1-Dichloroethene-d2	2.27	63	414906	45.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.18%
21) 2-Butanone-d5	4.19	46	399041	117.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.95%
24) Chloroform-d	4.65	84	411739	53.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.26%
26) 1,2-Dichloroethane-d4	5.31	65	234182	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.14%
32) Benzene-d6	5.34	84	831122	54.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.94%
36) 1,2-Dichloropropane-d6	6.33	67	203618	41.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.24%
41) Toluene-d8	7.56	98	594886	44.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.85	79	97601	41.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.46%
47) 2-Hexanone-d5	8.31	63	208461	89.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.17%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	353065	51.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.70%
64) 1,2-Dichlorobenzene-d4	11.85	152	231842	42.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	203114	43.629 ug/L	99
3) Chloromethane	1.32	50	303122	54.662 ug/L	100
5) Vinyl chloride	1.40	62	310322	56.224 ug/L	94
6) Bromomethane	1.63	94	180395	49.745 ug/L	100
8) Chloroethane	1.70	64	177763	50.094 ug/L	99
9) Trichlorofluoromethane	1.88	101	382985	49.844 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	213697	53.169 ug/L	95
12) 1,1-Dichloroethene	2.28	96	206880	52.480 ug/L	82
13) Acetone	2.34	43	335575	128.896 ug/L	97
14) Carbon disulfide	2.47	76	482626	45.193 ug/L	100
15) Methyl Acetate	2.62	43	214742	47.409 ug/L	96
16) Methylene chloride	2.70	84	186104	48.380 ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	174817	48.671 ug/L	92
18) Methyl tert-butyl Ether	3.00	73	567938	50.216 ug/L	98
19) 1,1-Dichloroethane	3.44	63	329782	46.192 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	253881	60.736 ug/L	87
22) 2-Butanone	4.27	43	483199	135.431 ug/L	98

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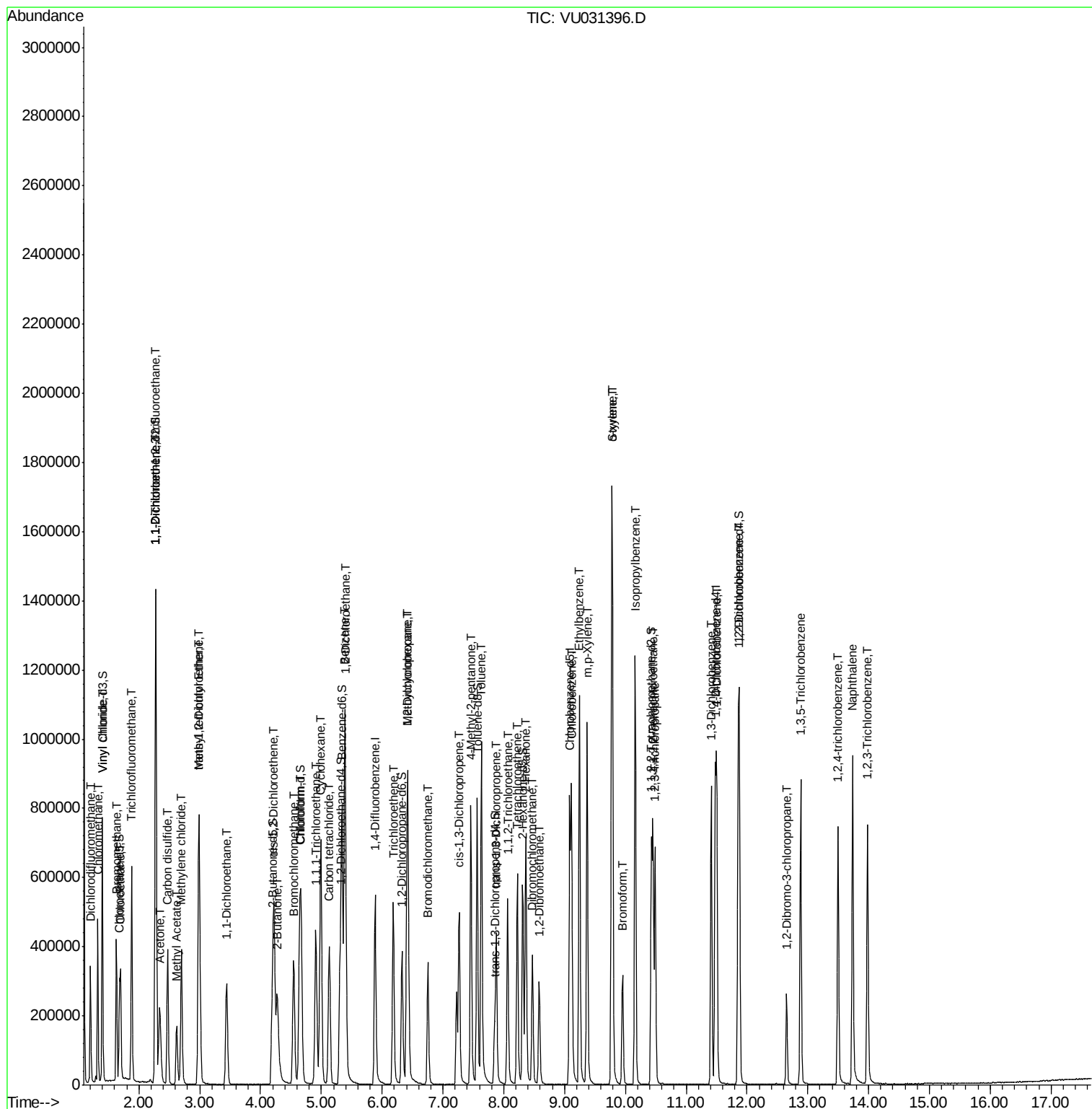
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	124943	60.334	ug/L	96
25) Chloroform	4.67	83	422480	57.695	ug/L	97
27) 1,2-Dichloroethane	5.40	62	293800	52.750	ug/L #	94
29) Cyclohexane	4.99	56	405748	59.764	ug/L	95
30) 1,1,1-Trichloroethane	4.91	97	350363	54.856	ug/L	99
31) Carbon tetrachloride	5.13	117	300980	54.466	ug/L	98
33) Benzene	5.39	78	907779	55.915	ug/L	100
34) Trichloroethene	6.18	95	194793	47.954	ug/L	95
35) Methylcyclohexane	6.41	83	295268	48.825	ug/L	95
37) 1,2-Dichloropropane	6.43	63	189550	44.087	ug/L	99
38) Bromodichloromethane	6.75	83	237564	43.472	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	320034	49.671	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	571821	94.268	ug/L	96
42) Toluene	7.63	91	784895	48.603	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	257872	46.096	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	182116	47.062	ug/L	97
46) Tetrachloroethene	8.22	164	155975	51.051	ug/L	97
48) 2-Hexanone	8.36	43	479973	99.487	ug/L	99
49) Dibromochloromethane	8.47	129	200375	47.906	ug/L	100
50) 1,2-Dibromoethane	8.58	107	215438	52.697	ug/L	99
51) Chlorobenzene	9.12	112	489874	48.536	ug/L	97
52) Ethylbenzene	9.25	91	853035	48.522	ug/L	98
53) m,p-Xylene	9.37	106	324800	52.353	ug/L	97
54) o-xylene	9.77	106	321948	51.244	ug/L	95
55) Styrene	9.79	104	543093	51.209	ug/L	95
56) Isopropylbenzene	10.16	105	843958	52.409	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	375479	56.350	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	293981	57.489	ug/L	100
61) Bromoform	9.95	173	157336	47.777	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	372334	47.363	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	382560	48.535	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	386289	46.716	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	69213	43.870	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	292594	49.733	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	250256	52.491	ug/L	98
69) Naphthalene	13.74	128	810103	54.153	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	260923	50.394	ug/L	98

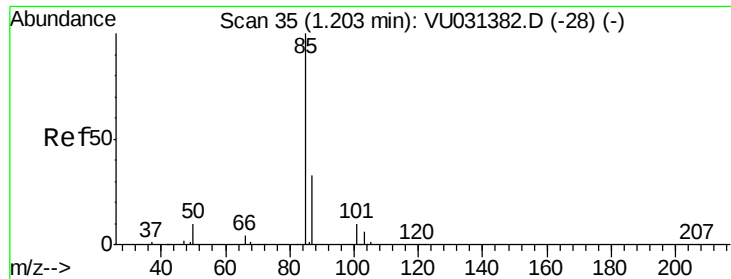
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 43.629 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

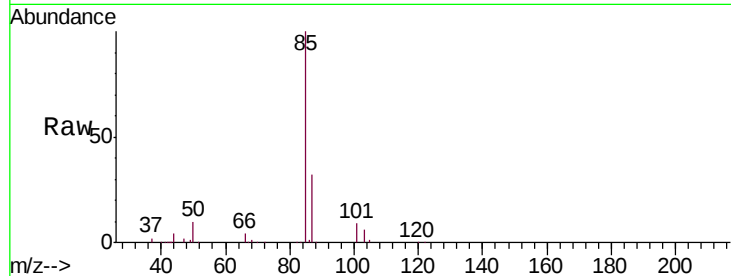
VSTD05045

Tgt Ion: 85 Resp: 203114

Ion Ratio Lower Upper

85 100

87 32.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU031382.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU031382.D (-28) (-)

1.20

200000

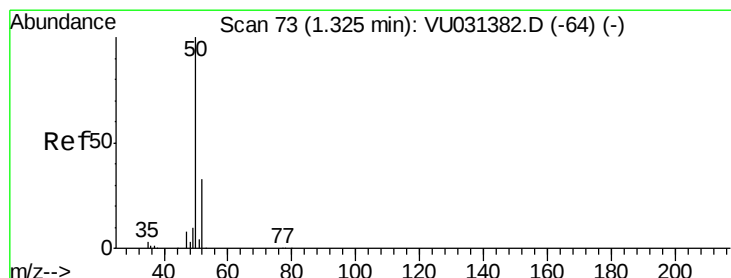
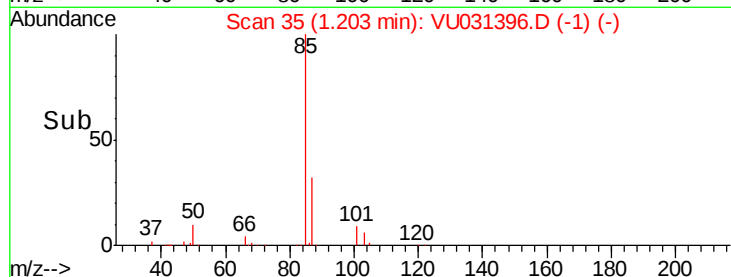
150000

100000

50000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 54.662 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031396.D

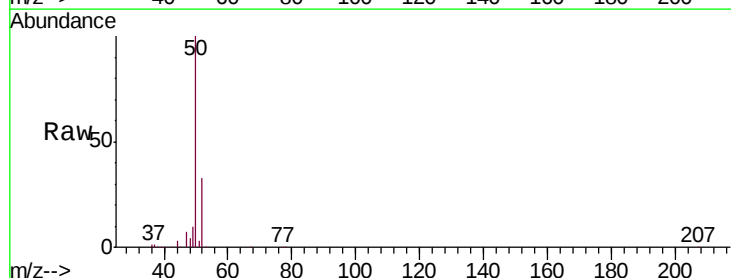
Acq: 22 Apr 2019 16:01

Tgt Ion: 50 Resp: 303122

Ion Ratio Lower Upper

50 100

52 32.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VU031382.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU031382.D (-64) (-)

1.32

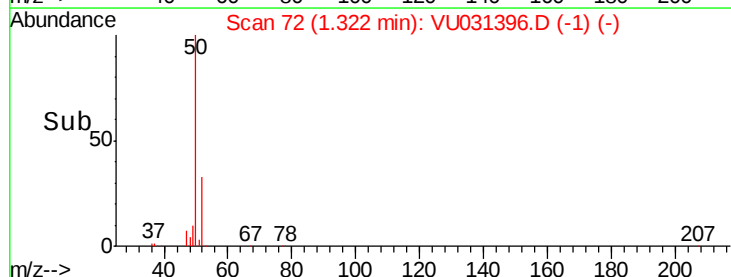
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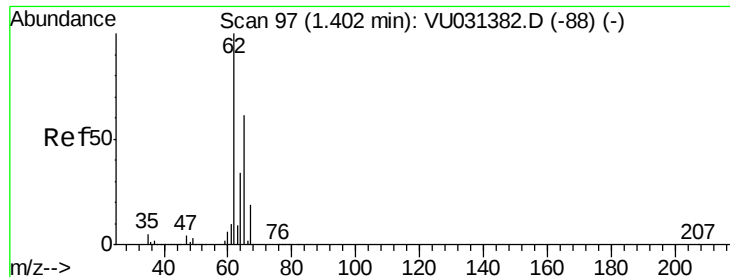
200000

100000

0

Time--> 1.30 1.35





#5

Vinyl chloride

Concen: 56.224 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

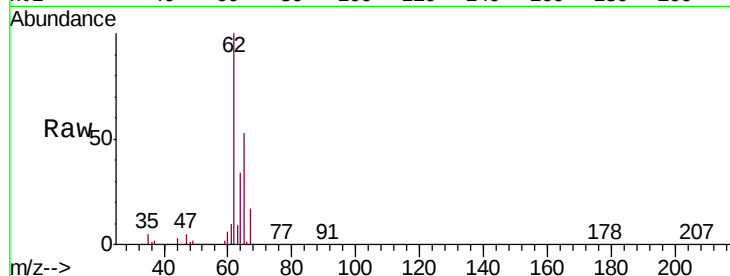
VSTD05045

Tgt Ion: 62 Resp: 310322

Ion Ratio Lower Upper

62 100

64 34.3 21.8 40.6



Abundance Ion 62.00 (61.70 to 62.70): VU031382.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU031396.D (-75) (-)

1.40

250000

200000

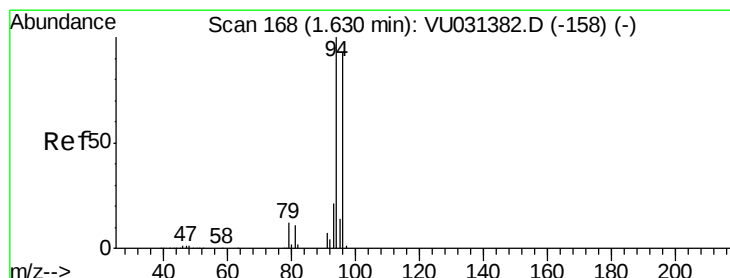
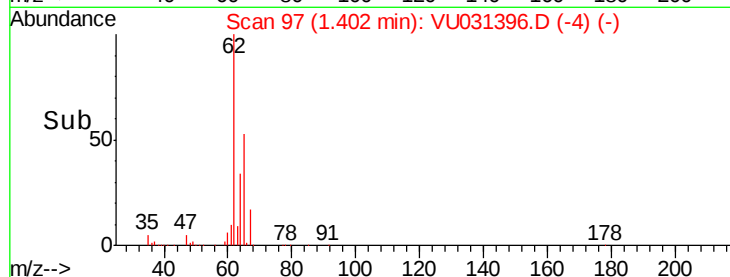
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 49.745 ug/L

RT: 1.63 min Scan# 168

Delta R.T. -0.00 min

Lab File: VU031396.D

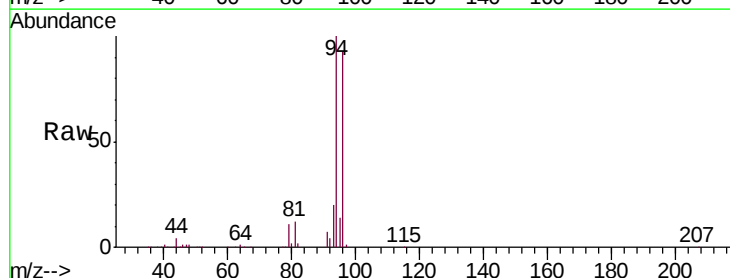
Acq: 22 Apr 2019 16:01

Tgt Ion: 94 Resp: 180395

Ion Ratio Lower Upper

94 100

96 92.7 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU031382.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU031396.D (-75) (-)

1.63

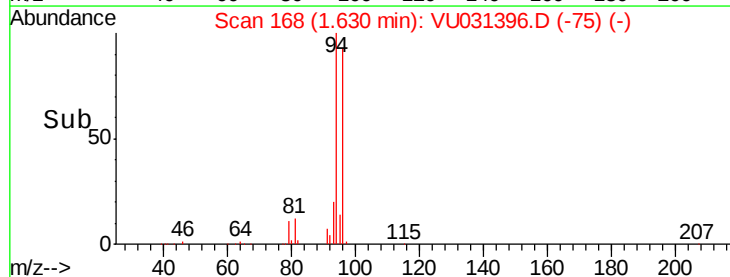
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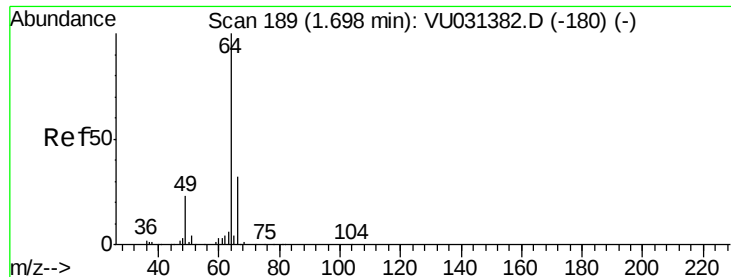
100000

50000

0

Time-->





#8

Chloroethane

Concen: 50.094 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

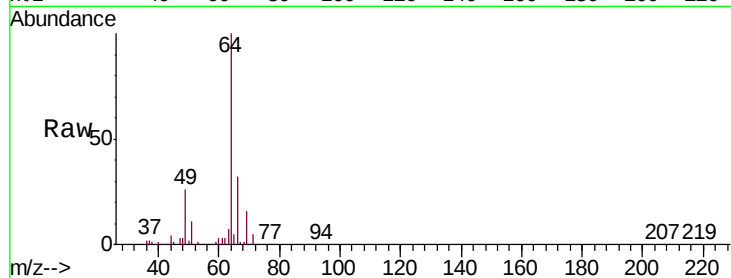
VSTD05045

Tgt Ion: 64 Resp: 177763

Ion Ratio Lower Upper

64 100

66 31.9 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VU031382.D (-180) (-)

Ion 66.00 (65.70 to 66.70): VU031382.D (-180) (-)

1.70

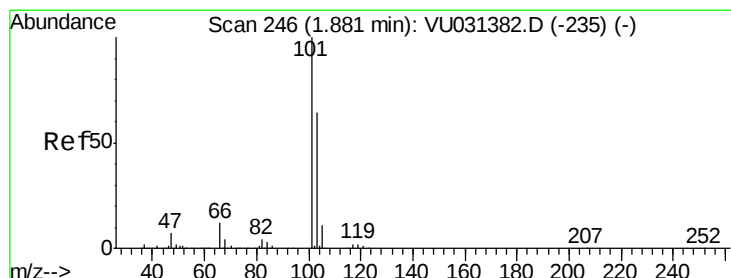
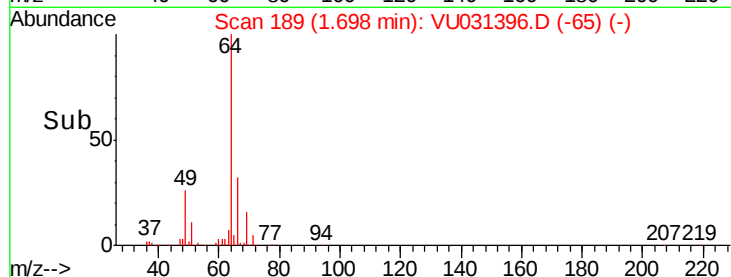
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 49.844 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031396.D

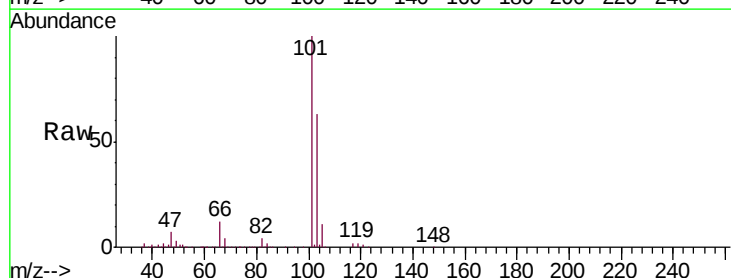
Acq: 22 Apr 2019 16:01

Tgt Ion: 101 Resp: 382985

Ion Ratio Lower Upper

101 100

103 63.4 53.0 79.6



Abundance Ion 101.00 (100.70 to 101.70): VU031382.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU031382.D (-235) (-)

1.88

300000

250000

200000

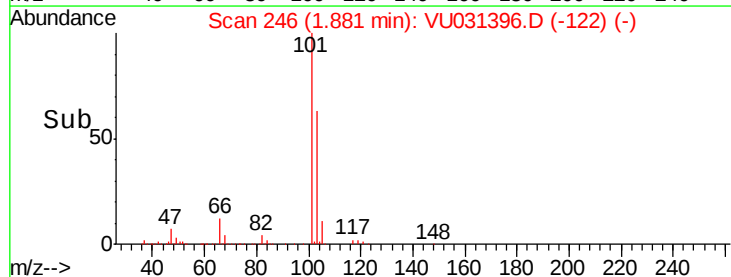
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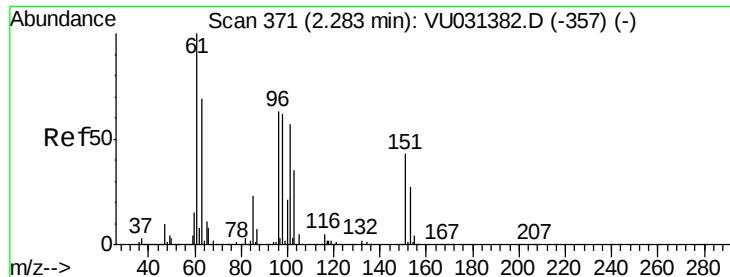
100000

50000

0

Time-->





#10

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

Concen: 53.169 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

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ClientSampleId :

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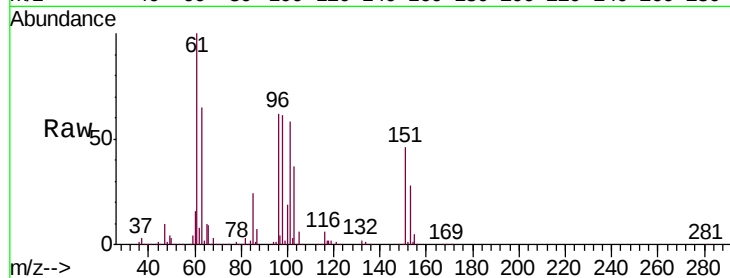
Tgt Ion:101 Resp: 213697

Ion Ratio Lower Upper

101 100

85 41.4 35.4 53.0

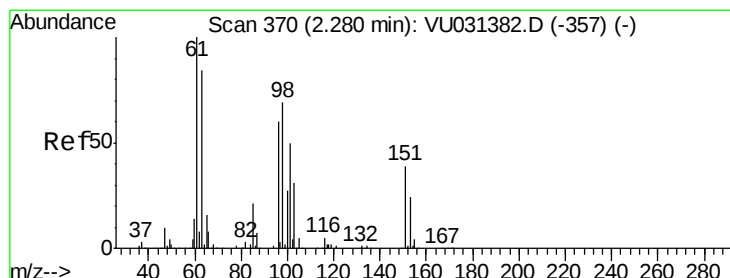
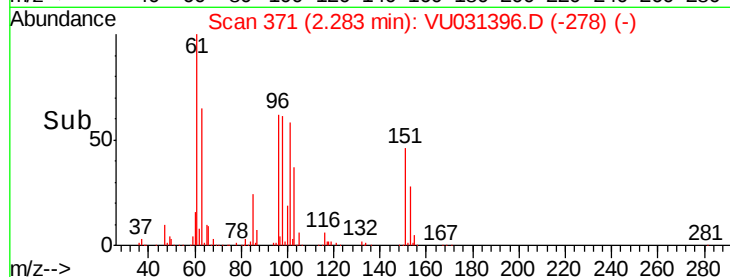
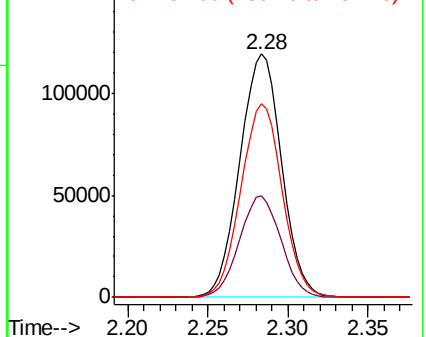
151 79.0 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 52.480 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

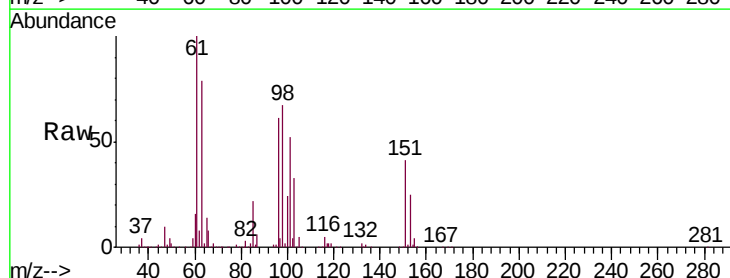
Tgt Ion: 96 Resp: 206880

Ion Ratio Lower Upper

96 100

61 163.1 130.4 242.2

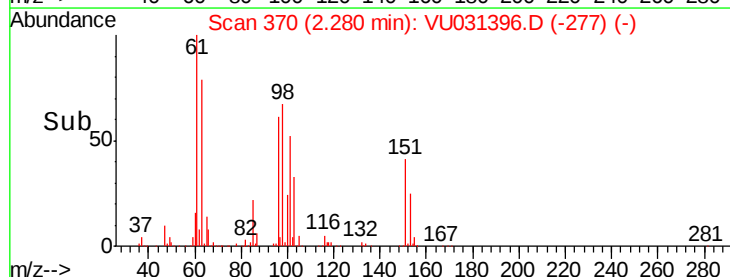
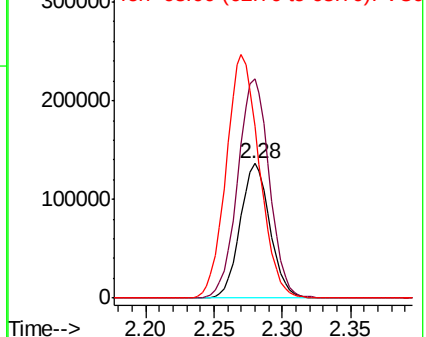
63 128.3 108.9 202.3

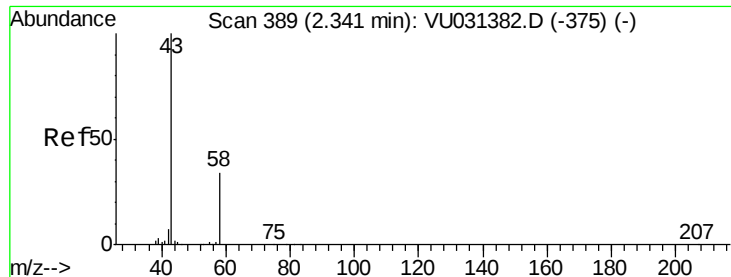


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 128.896 ug/L

RT: 2.34 min Scan# 389

Delta R.T. -0.00 min

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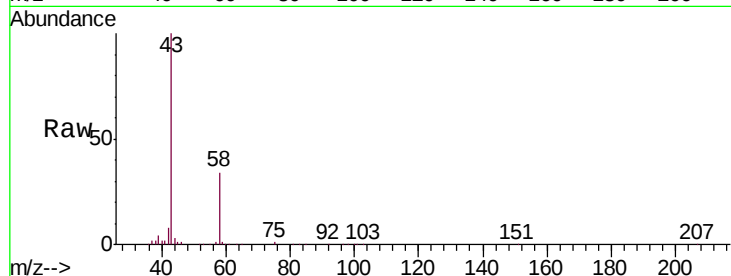
VSTD05045

Tgt Ion: 43 Resp: 335575

Ion Ratio Lower Upper

43 100

58 34.2 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU031382.D (-375) (-)

Ion 58.00 (57.70 to 58.70): VU031382.D (-375) (-)

2.34

150000

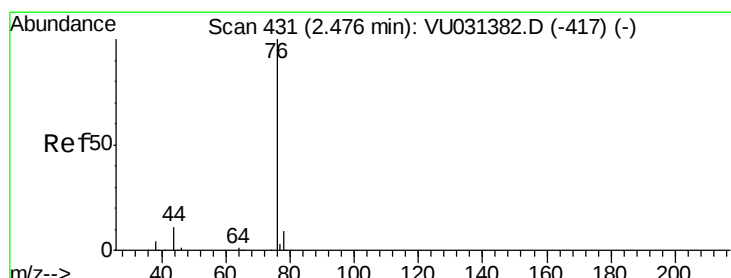
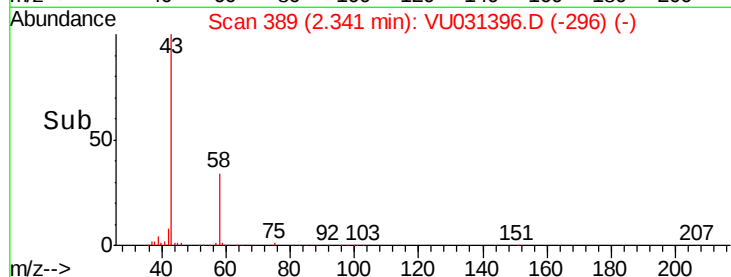
100000

50000

0

2.30 2.35 2.40 2.45 2.50

Time-->



#14

Carbon disulfide

Concen: 45.193 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU031396.D

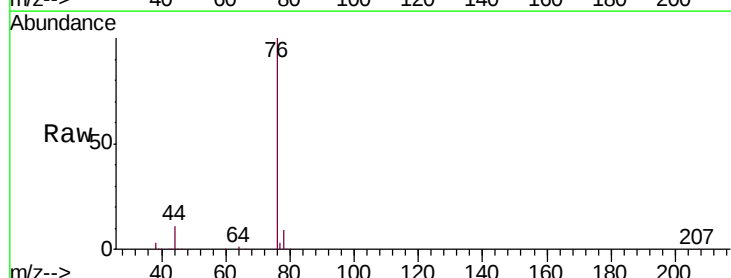
Acq: 22 Apr 2019 16:01

Tgt Ion: 76 Resp: 482626

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU031382.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU031382.D (-417) (-)

2.47

300000

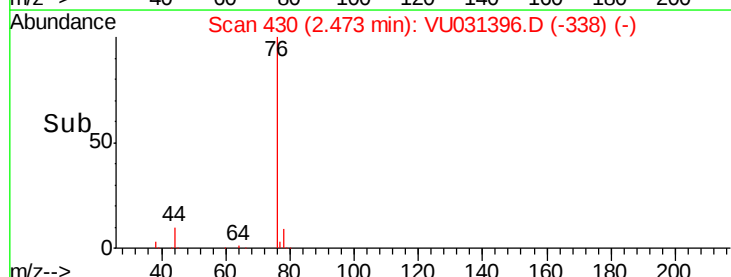
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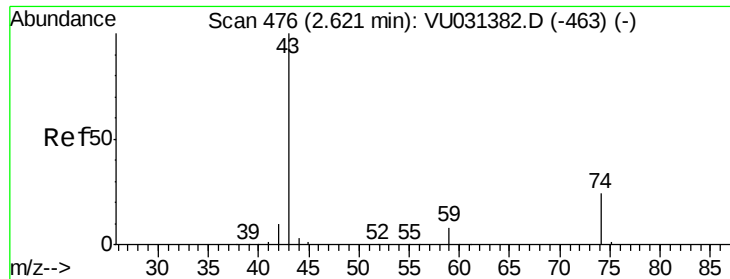
100000

0

2.40 2.45 2.50 2.55

Time-->

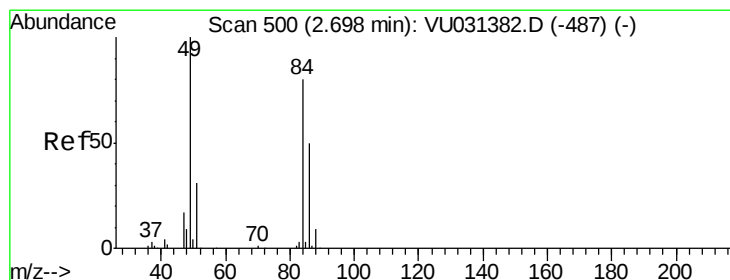
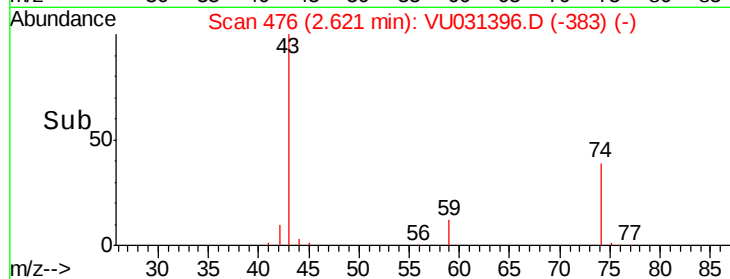
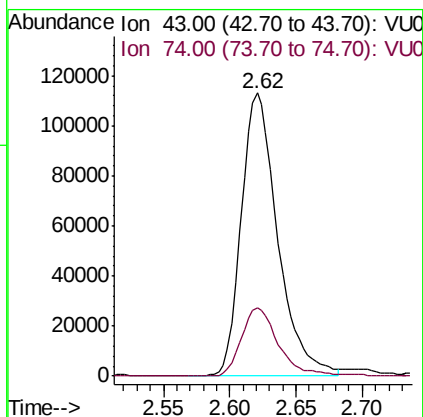
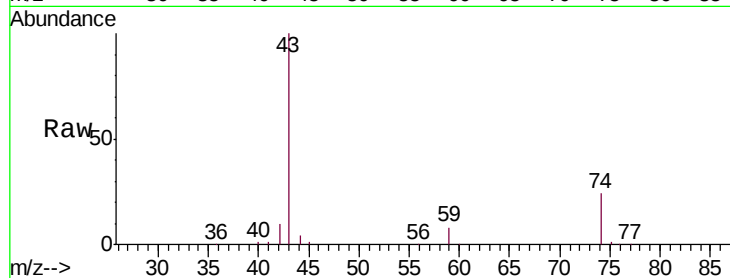




#15
Methyl Acetate
Concen: 47.409 ug/L
RT: 2.62 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU031396.D
Acq: 22 Apr 2019 16:01

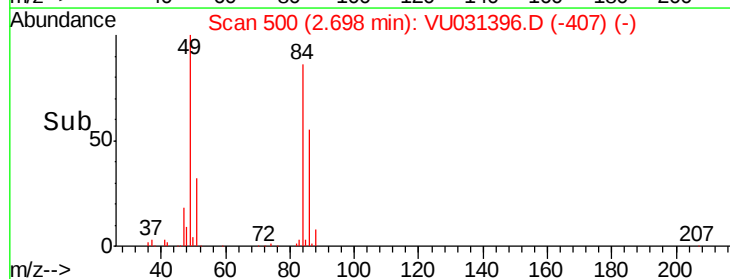
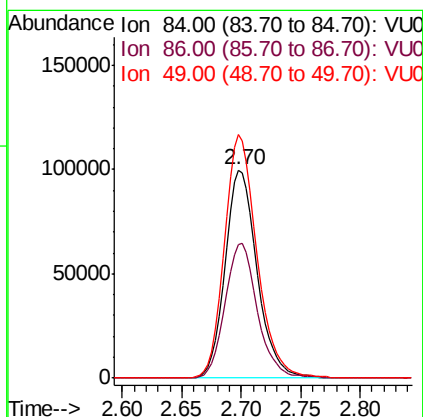
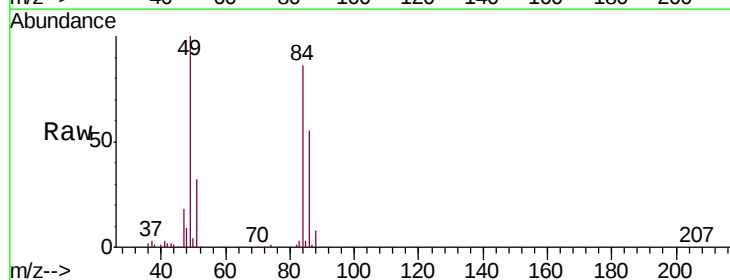
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

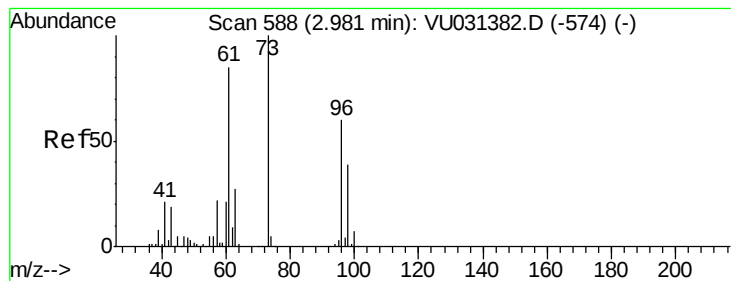
Tgt Ion: 43 Resp: 214742
Ion Ratio Lower Upper
43 100
74 24.8 18.3 27.5



#16
Methylene chloride
Concen: 48.380 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU031396.D
Acq: 22 Apr 2019 16:01

Tgt Ion: 84 Resp: 186104
Ion Ratio Lower Upper
84 100
86 63.9 44.0 81.8
49 116.8 88.0 163.4





#17

trans-1,2-Dichloroethene

Concen: 48.671 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

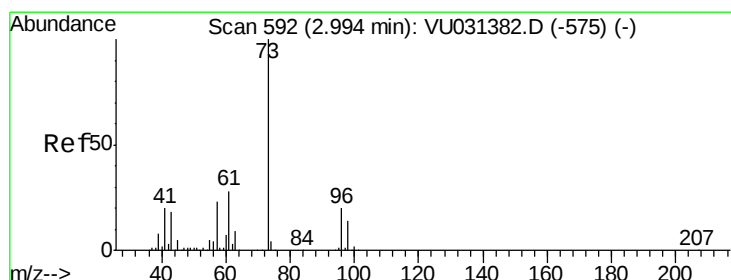
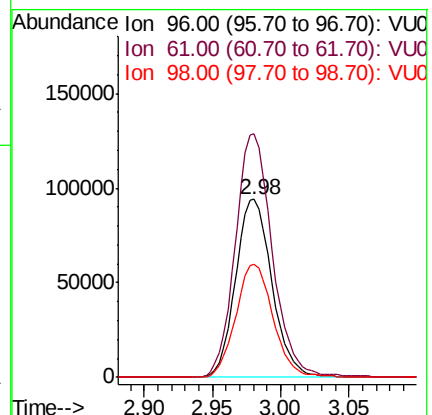
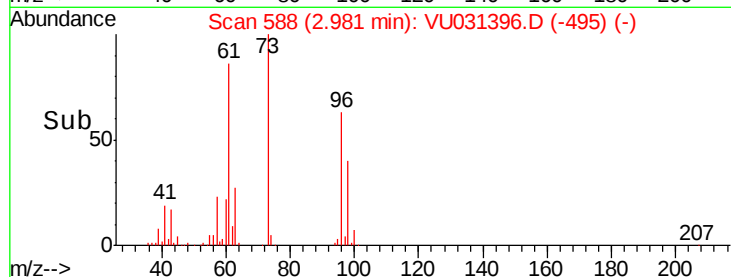
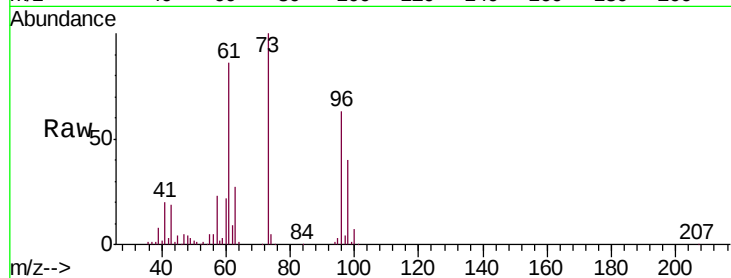
Tgt Ion: 96 Resp: 174817

Ion Ratio Lower Upper

96 100

61 136.8 105.5 195.9

98 63.7 45.4 84.4



#18

Methyl tert-butyl Ether

Concen: 50.216 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

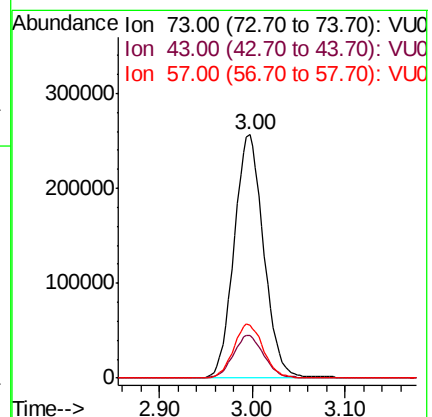
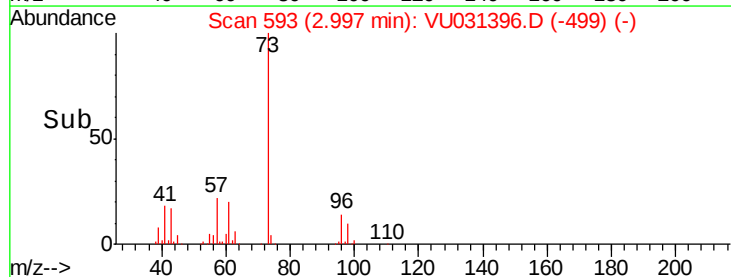
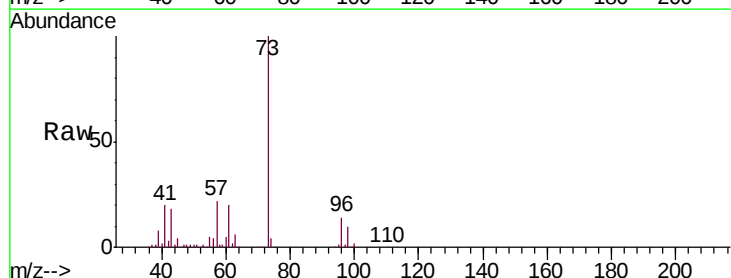
Tgt Ion: 73 Resp: 567938

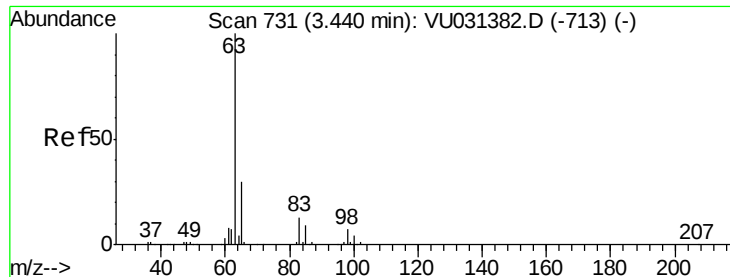
Ion Ratio Lower Upper

73 100

43 17.9 15.6 23.4

57 22.4 18.0 27.0

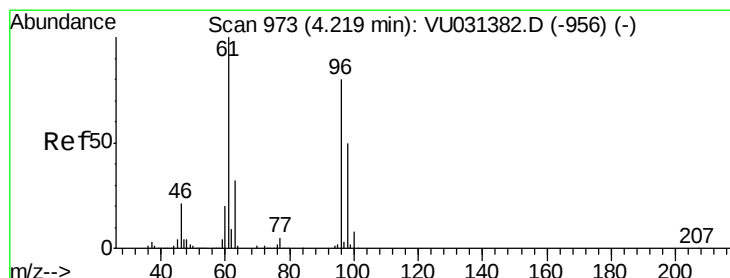
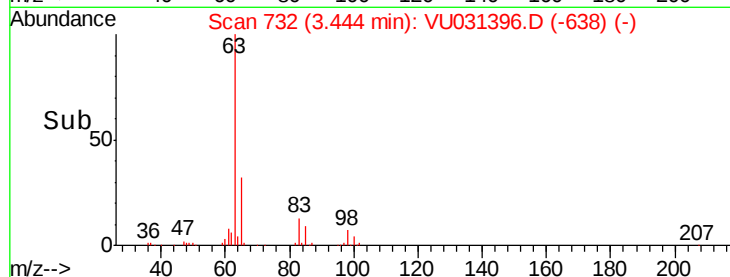
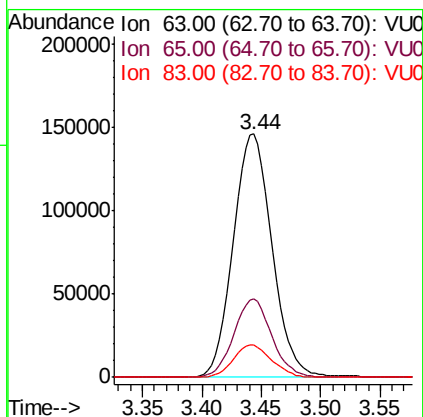
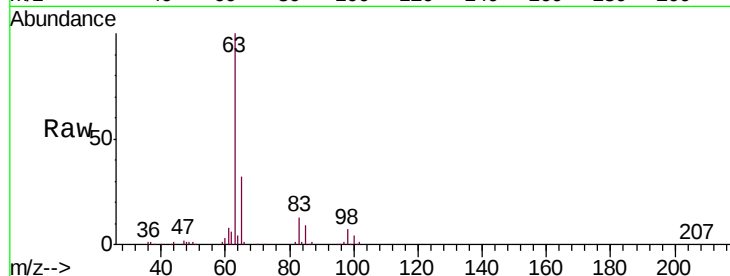




#19
 1,1-Dichloroethane
 Concen: 46.192 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU031396.D
 Acq: 22 Apr 2019 16:01

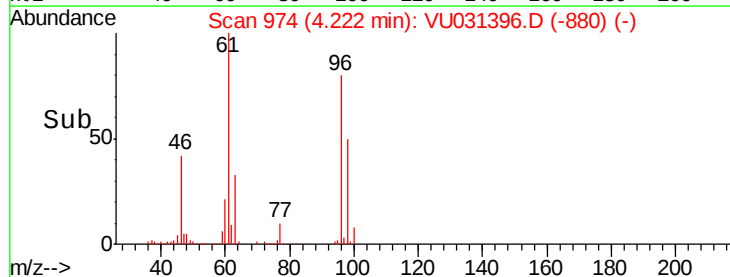
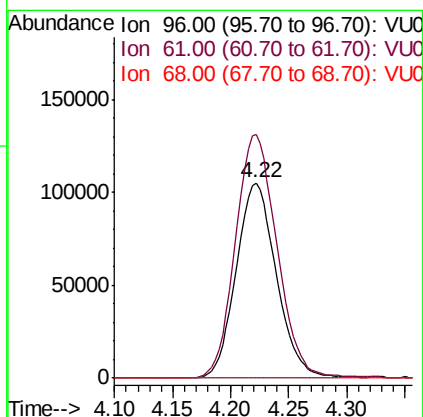
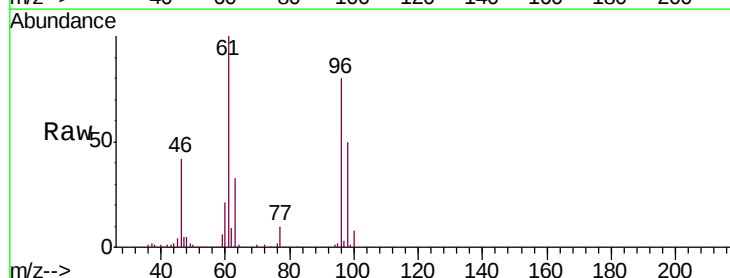
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

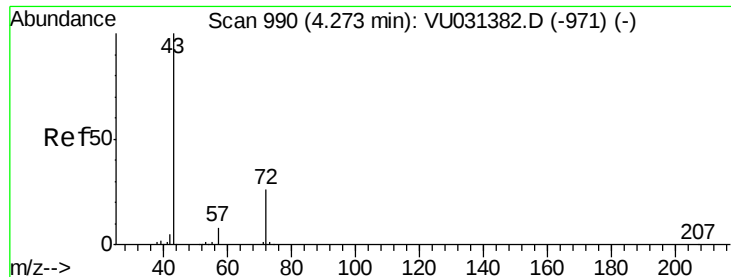
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.8	42.4
83	13.1	9.7	17.9



#20
 cis-1,2-Dichloroethene
 Concen: 60.736 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031396.D
 Acq: 22 Apr 2019 16:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.7	98.2	182.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 135.431 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

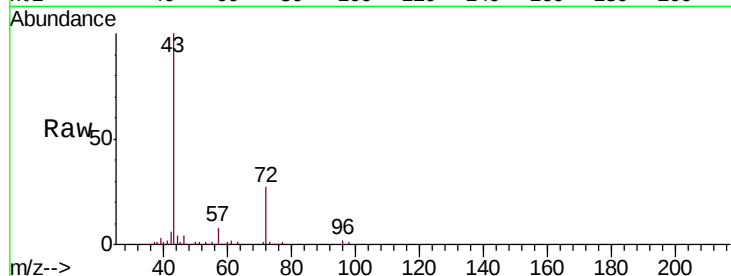
VSTD05045

Tgt Ion: 43 Resp: 483199

Ion Ratio Lower Upper

43 100

72 26.1 12.6 37.8



Abundance Ion 43.00 (42.70 to 43.70): VU031382.D (-971) (-)

Ion 72.00 (71.70 to 72.70): VU031382.D (-971) (-)

4.27

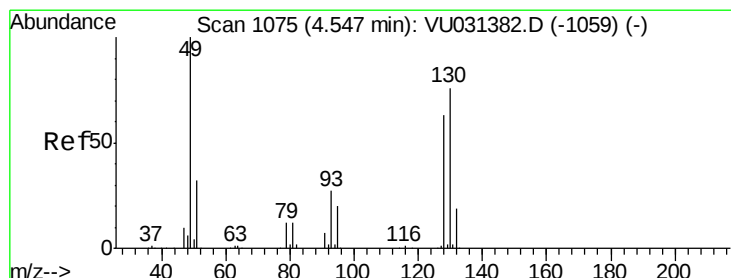
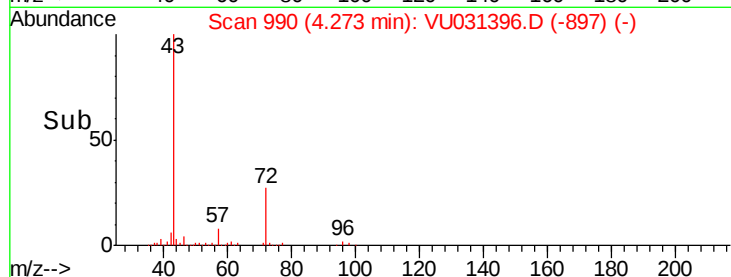
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 60.334 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Tgt Ion: 128 Resp: 124943

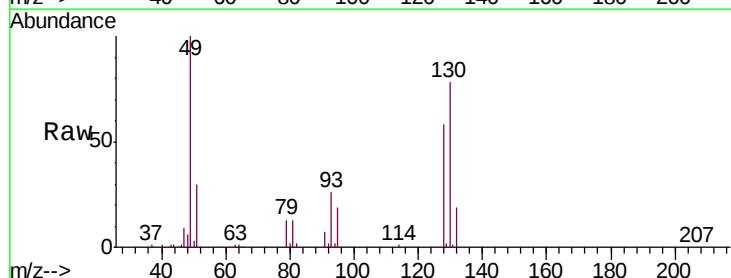
Ion Ratio Lower Upper

128 100

49 172.0 124.0 230.4

130 133.7 89.7 166.5

51 52.4 45.2 67.8



Abundance Ion 128.00 (127.70 to 128.70): VU031382.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU031382.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU031382.D (-1059) (-)

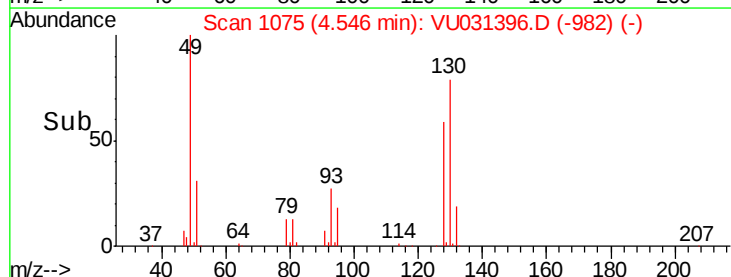
Ion 51.00 (50.70 to 51.70): VU031382.D (-1059) (-)

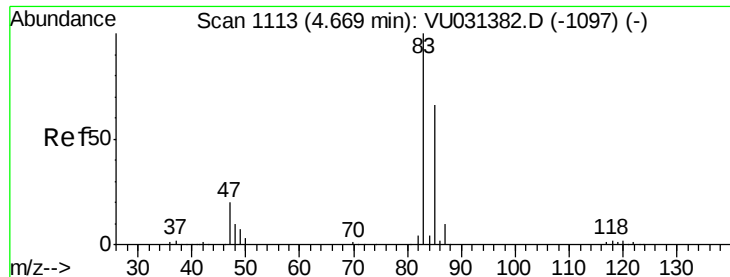
100000

50000

0

Time-->

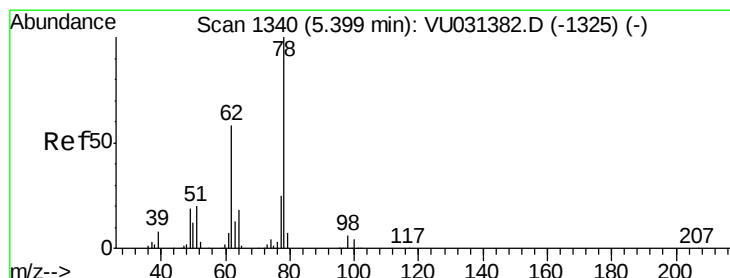
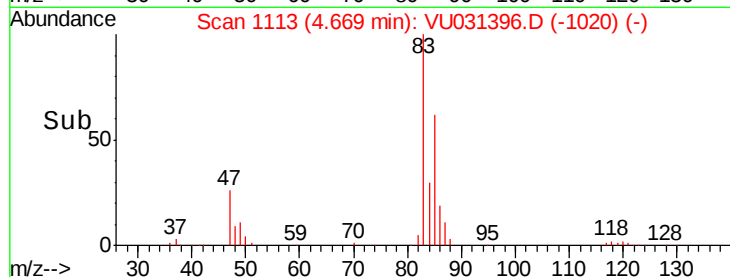
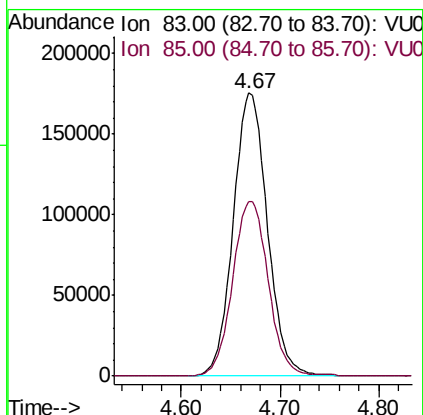
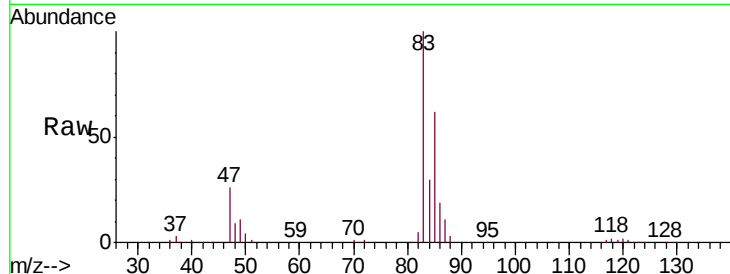




#25
Chloroform
Concen: 57.695 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU031396.D
Acq: 22 Apr 2019 16:01

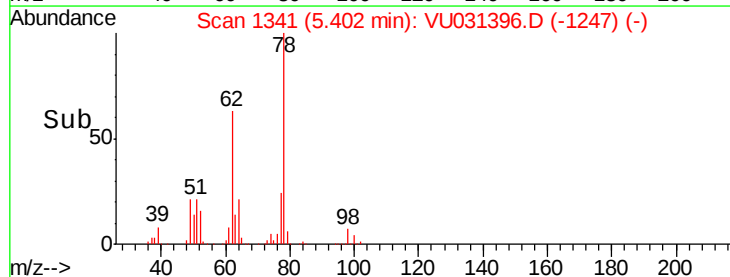
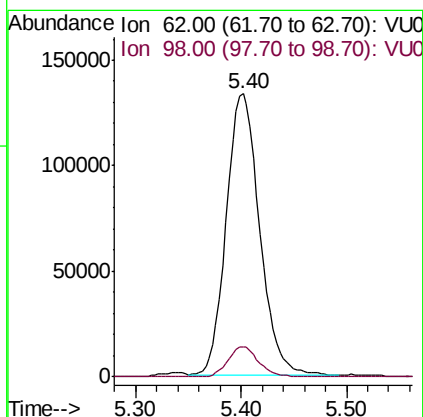
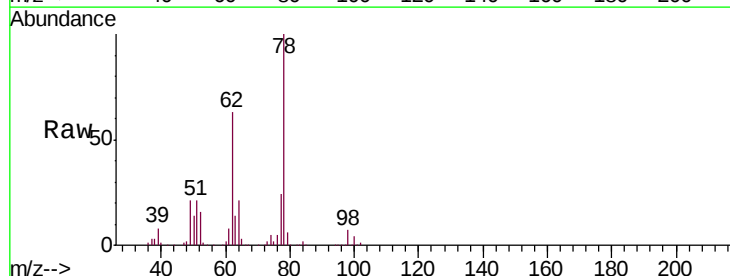
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

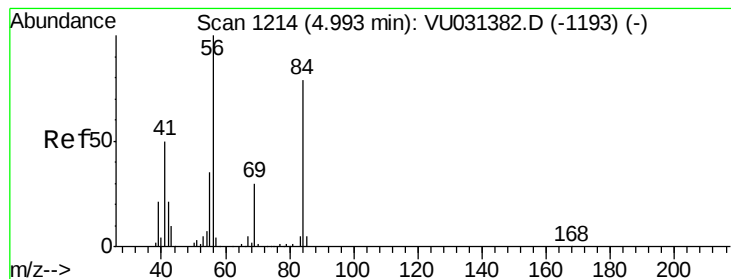
Tgt Ion: 83 Resp: 422480
Ion Ratio Lower Upper
83 100
85 61.6 44.8 83.2



#27
1,2-Dichloroethane
Concen: 52.750 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031396.D
Acq: 22 Apr 2019 16:01

Tgt Ion: 62 Resp: 293800
Ion Ratio Lower Upper
62 100
98 10.8 7.0 10.6#





#29

Cyclohexane

Concen: 59.764 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

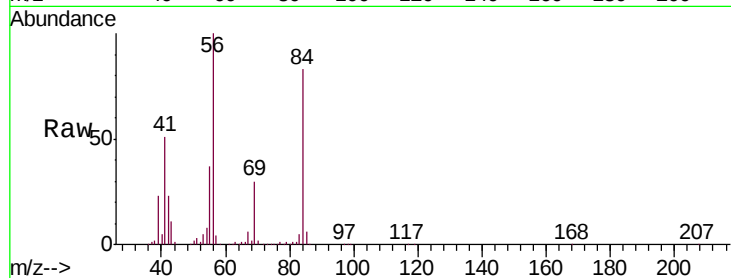
Tgt Ion: 56 Resp: 405748

Ion Ratio Lower Upper

56 100

69 29.9 23.0 34.6

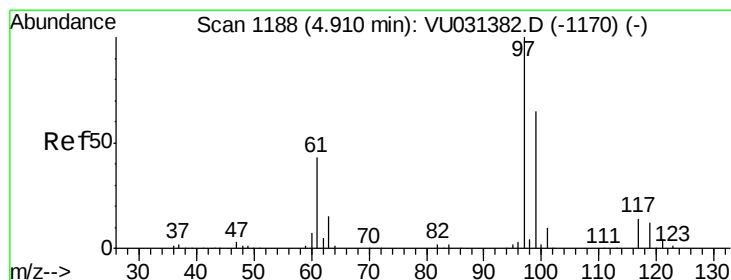
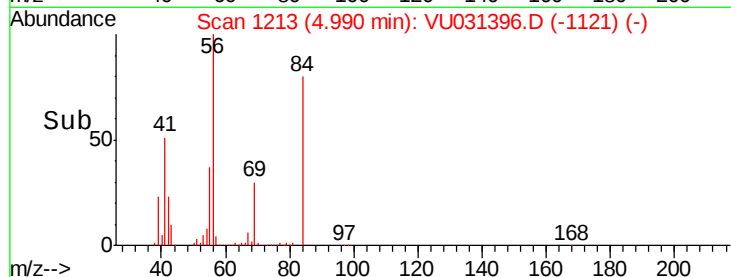
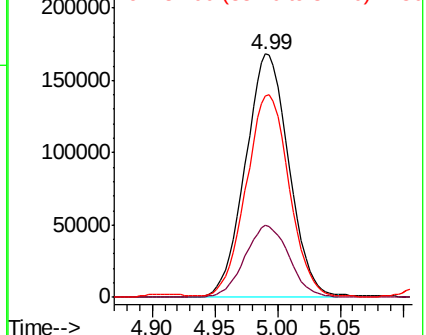
84 82.8 61.8 92.6



Abundance Ion 56.00 (55.70 to 56.70): VU031382.D (-1193) (-)

Ion 69.00 (68.70 to 69.70): VU031382.D (-1193) (-)

Ion 84.00 (83.70 to 84.70): VU031382.D (-1193) (-)



#30

1,1,1-Trichloroethane

Concen: 54.856 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

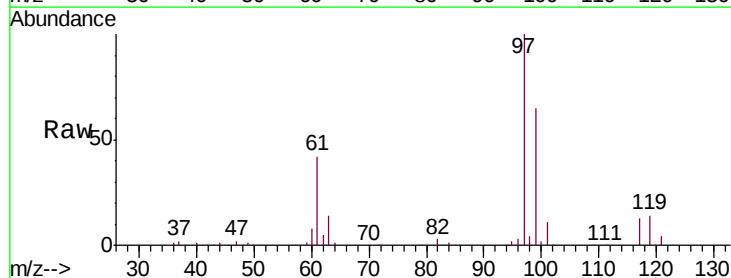
Tgt Ion: 97 Resp: 350363

Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.2

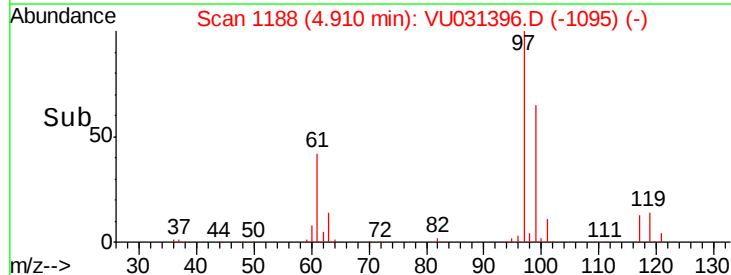
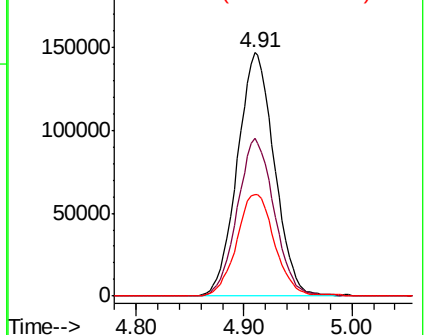
61 43.0 35.0 52.4

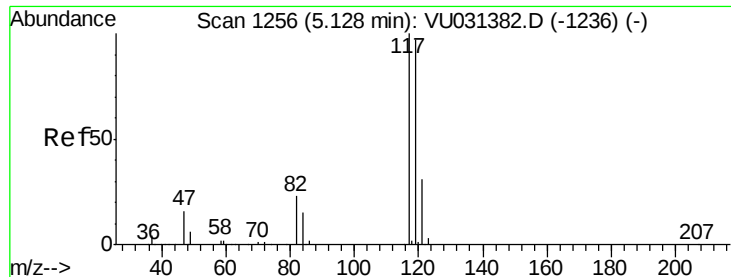


Abundance Ion 97.00 (96.70 to 97.70): VU031382.D (-1170) (-)

Ion 99.00 (98.70 to 99.70): VU031382.D (-1170) (-)

Ion 61.05 (60.75 to 61.75): VU031382.D (-1170) (-)





#31

Carbon tetrachloride

Concen: 54.466 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

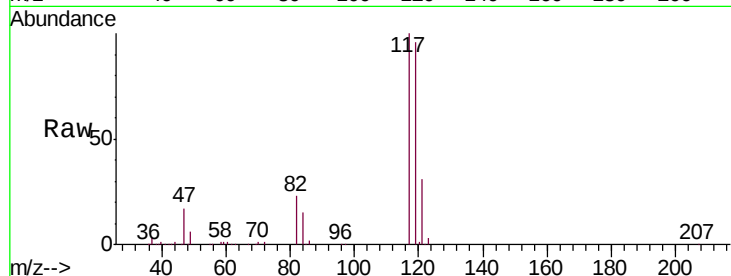
VSTD05045

Tgt Ion:117 Resp: 300980

Ion Ratio Lower Upper

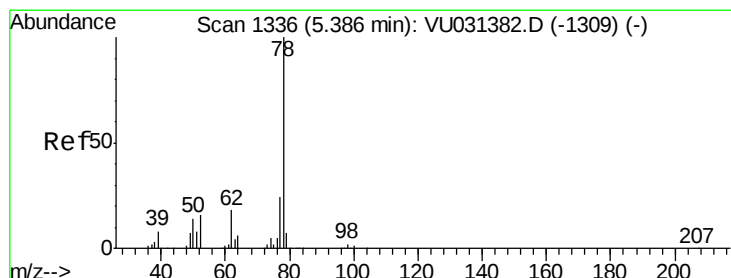
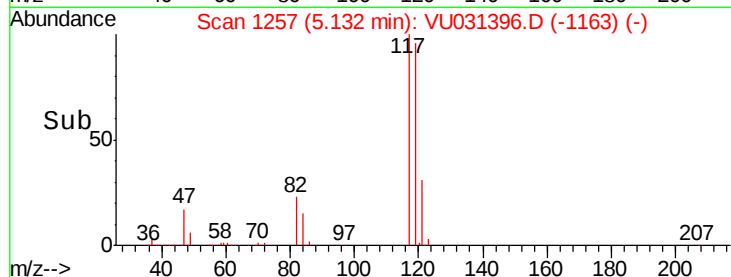
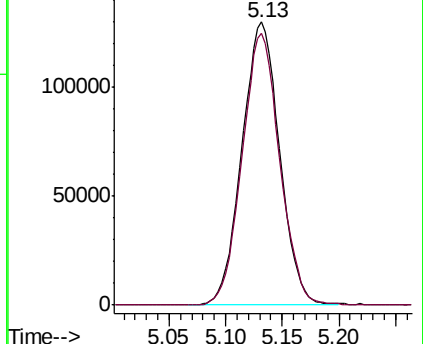
117 100

119 95.7 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 55.915 ug/L

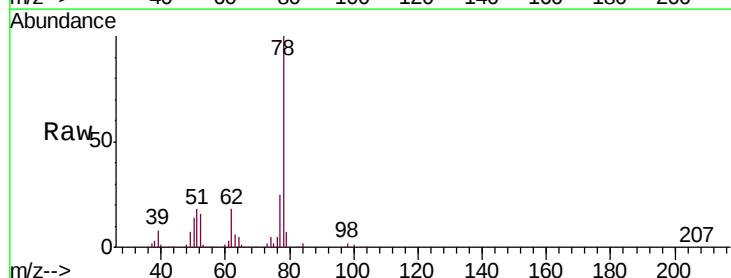
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

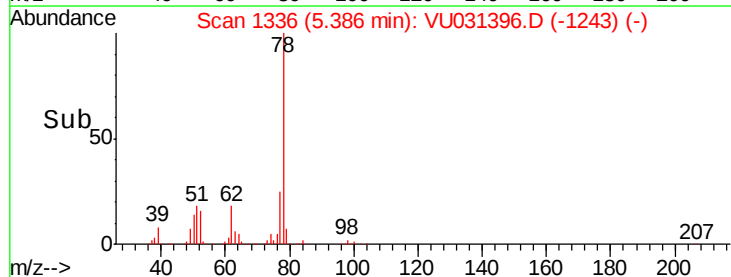
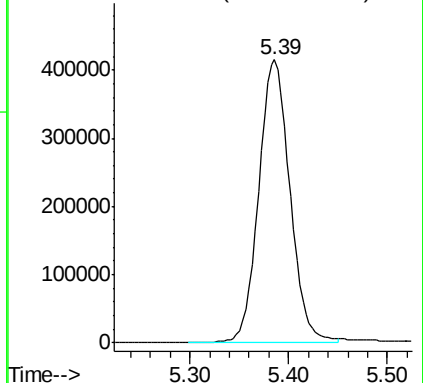
Lab File: VU031396.D

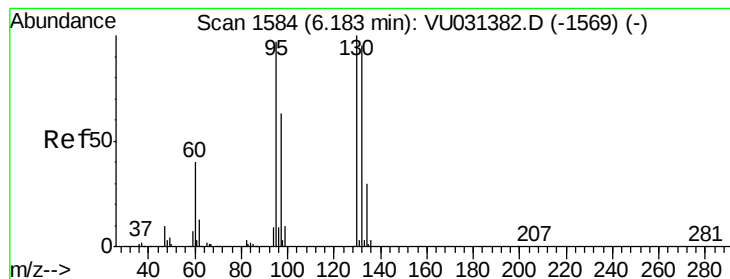
Acq: 22 Apr 2019 16:01

Tgt Ion: 78 Resp: 907779



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 47.954 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

Tgt Ion: 95 Resp: 194793

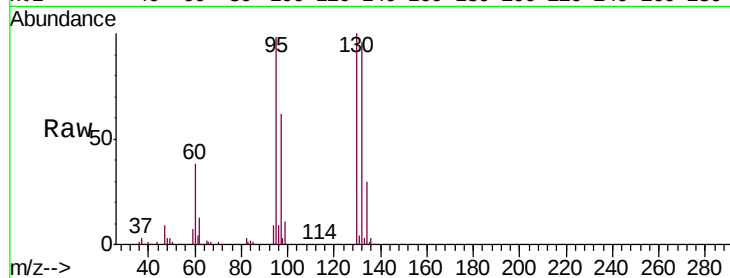
Ion Ratio Lower Upper

95 100

97 63.9 43.6 81.0

132 98.0 64.5 119.7

130 102.4 68.0 126.2



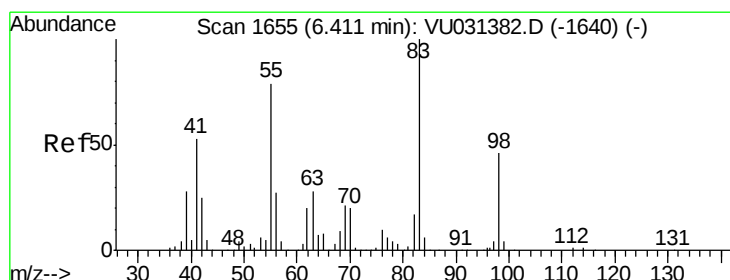
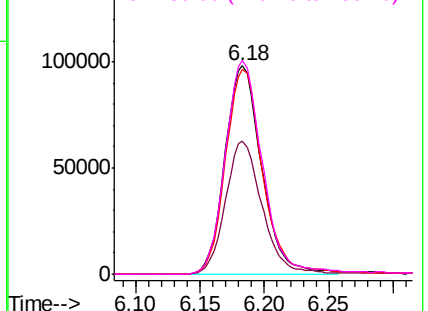
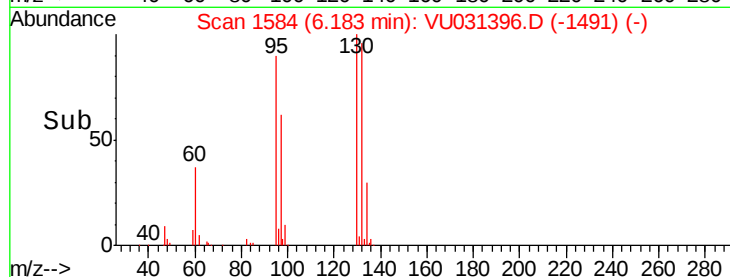
Abundance

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: 48.825 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

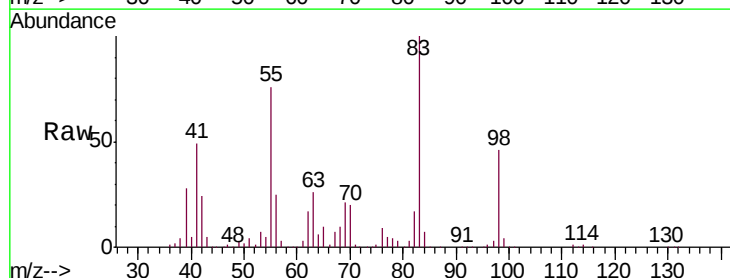
Tgt Ion: 83 Resp: 295268

Ion Ratio Lower Upper

83 100

55 77.3 67.0 100.4

98 46.6 36.9 55.3

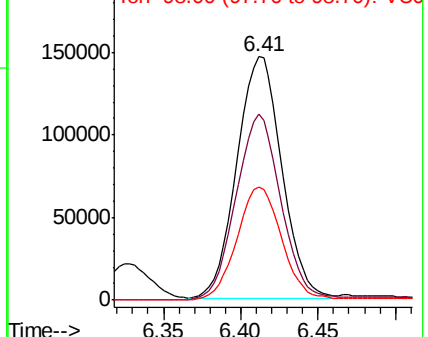
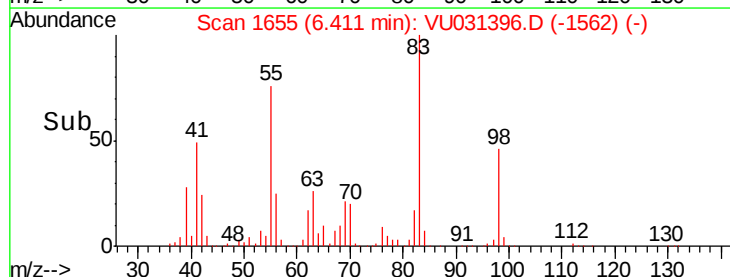


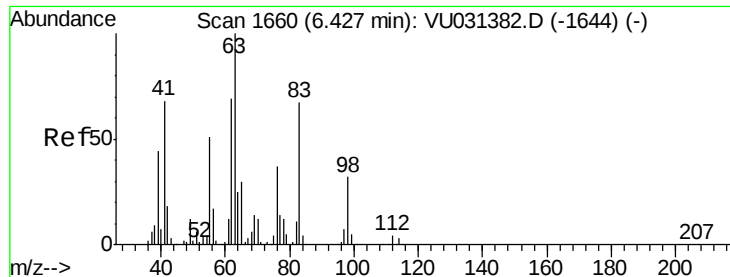
Abundance

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

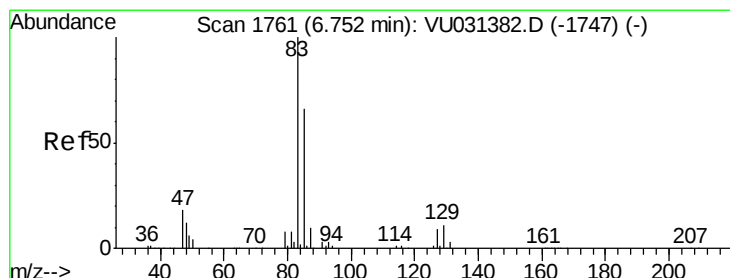
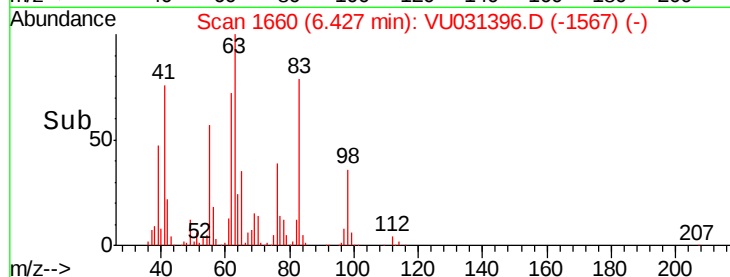
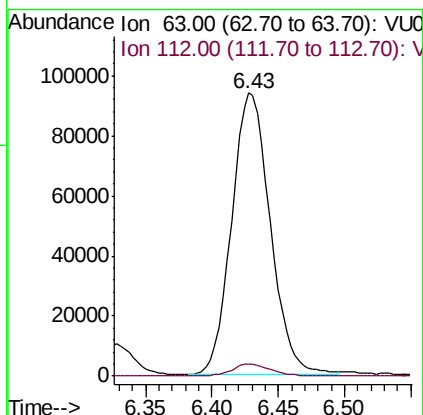
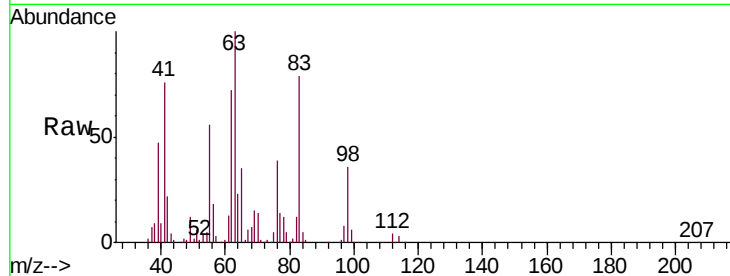




#37
 1,2-Dichloropropane
 Concen: 44.087 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU031396.D
 Acq: 22 Apr 2019 16:01

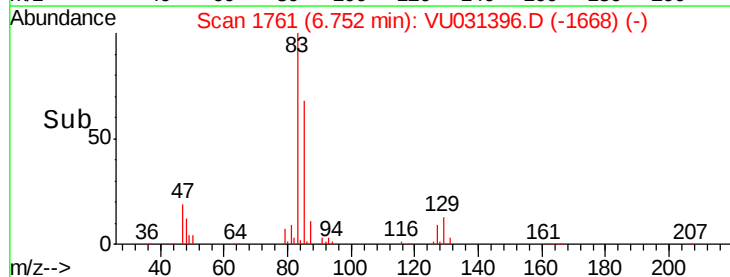
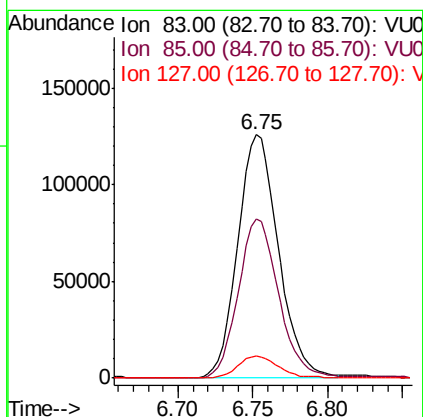
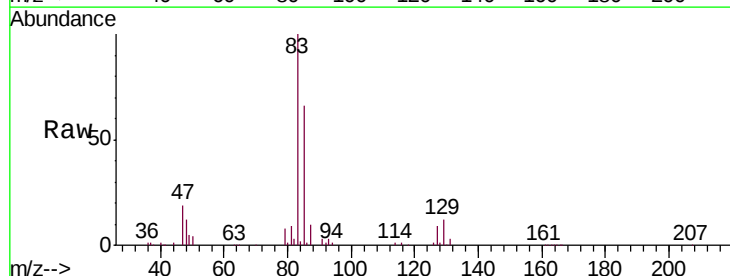
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

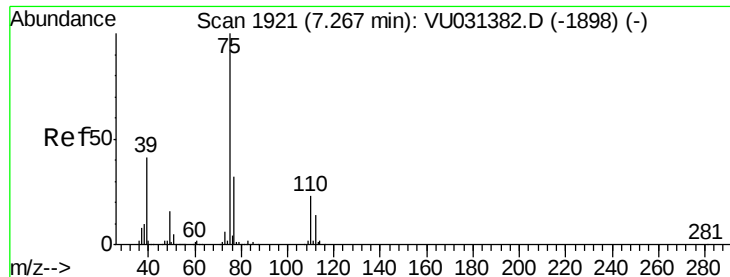
Tgt Ion: 63 Resp: 189550
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 43.472 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU031396.D
 Acq: 22 Apr 2019 16:01

Tgt Ion: 83 Resp: 237564
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.5 82.7
 127 8.9 6.6 9.8

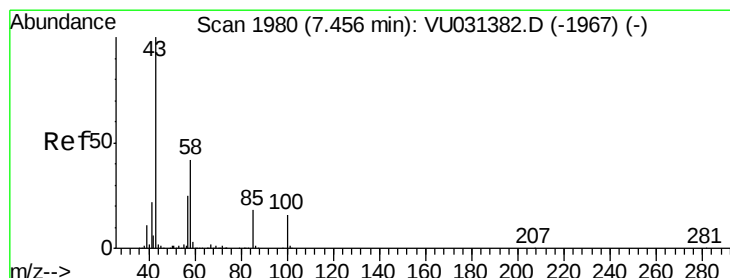
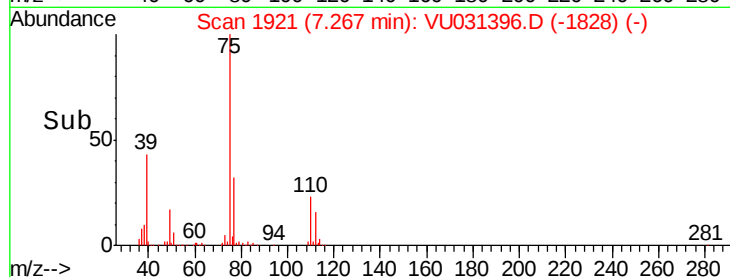
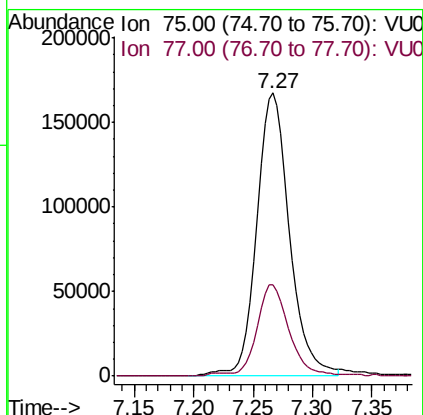
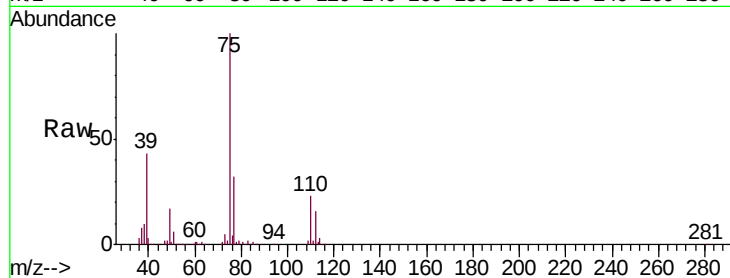




#39
 cis-1,3-Dichloropropene
 Concen: 49.671 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU031396.D
 Acq: 22 Apr 2019 16:01

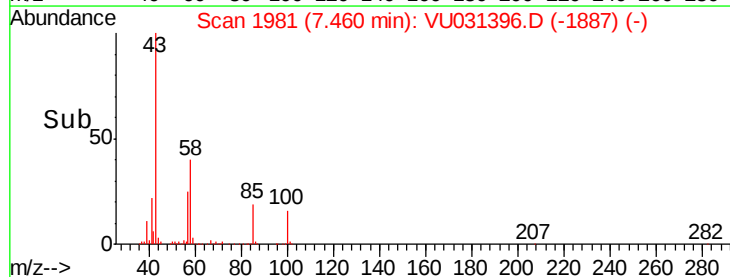
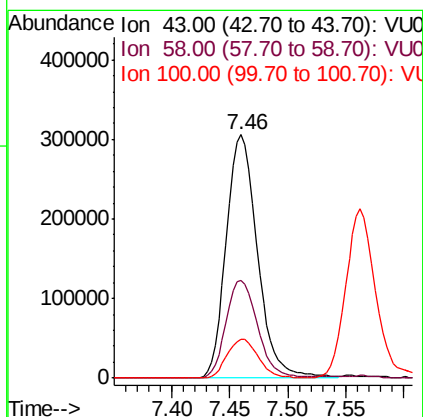
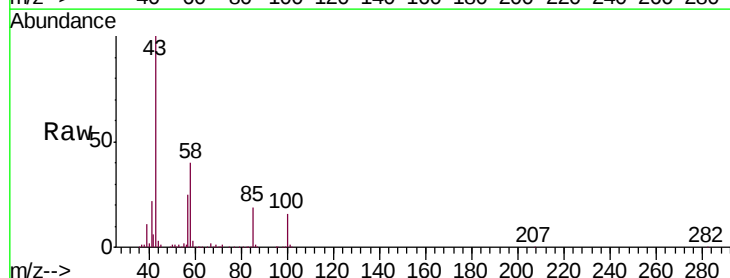
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

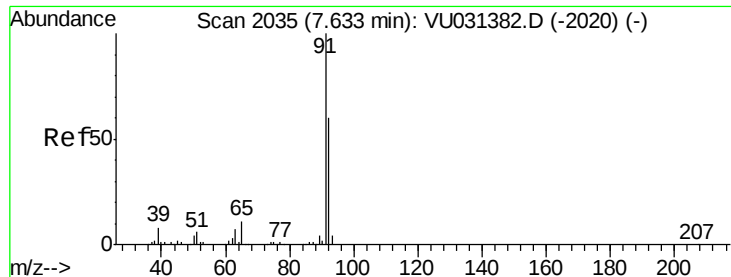
Tgt Ion: 75 Resp: 320034
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 94.268 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU031396.D
 Acq: 22 Apr 2019 16:01

Tgt Ion: 43 Resp: 571821
 Ion Ratio Lower Upper
 43 100
 58 40.6 31.0 46.4
 100 15.9 10.6 16.0





#42

Toluene

Concen: 48.603 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

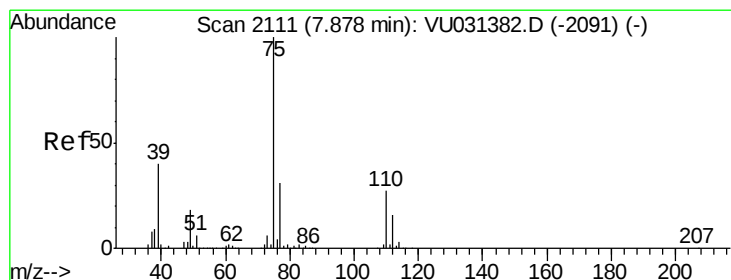
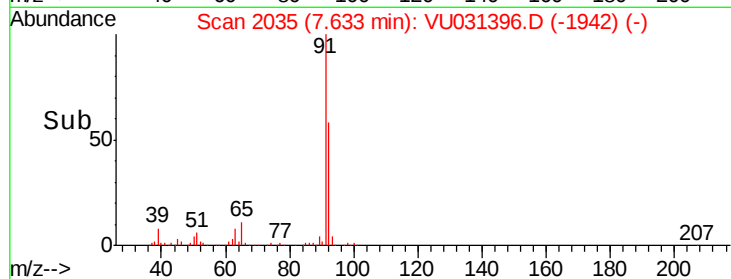
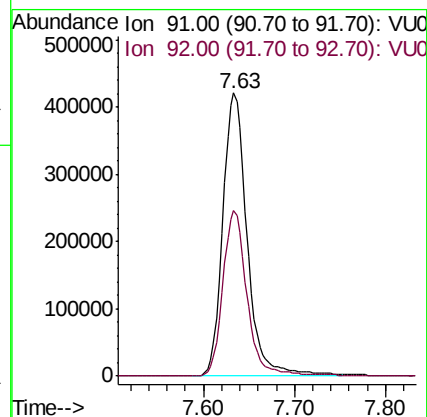
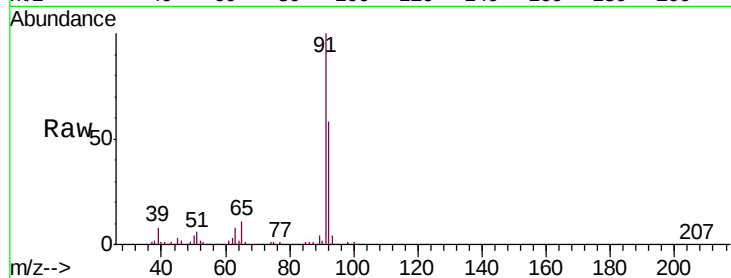
VSTD05045

Tgt Ion: 91 Resp: 784895

Ion Ratio Lower Upper

91 100

92 58.3 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 46.096 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU031396.D

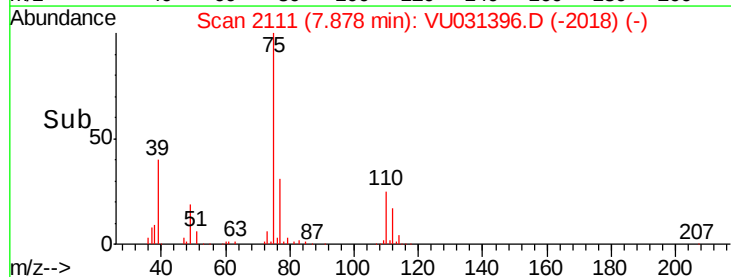
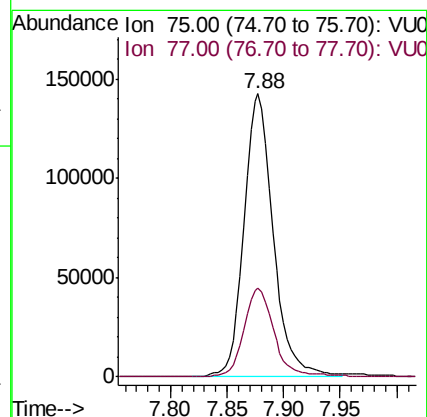
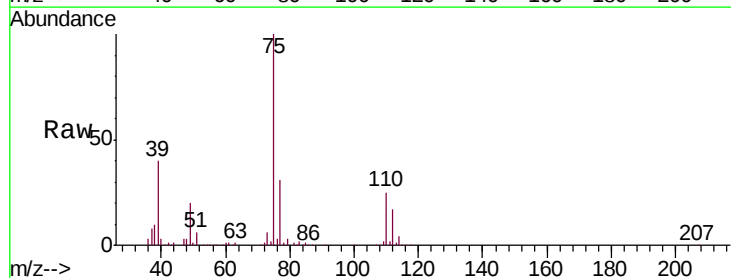
Acq: 22 Apr 2019 16:01

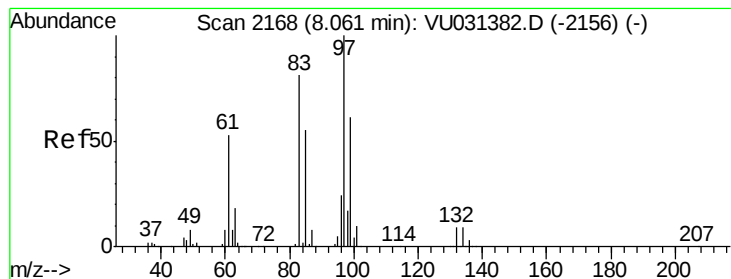
Tgt Ion: 75 Resp: 257872

Ion Ratio Lower Upper

75 100

77 31.4 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 47.062 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

Tgt Ion: 97 Resp: 182116

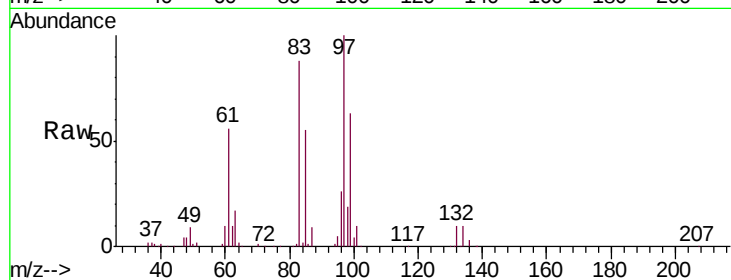
Ion Ratio Lower Upper

97 100

99 63.4 42.2 78.4

83 88.1 59.8 111.1

85 55.2 39.5 73.4



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

150000

100000

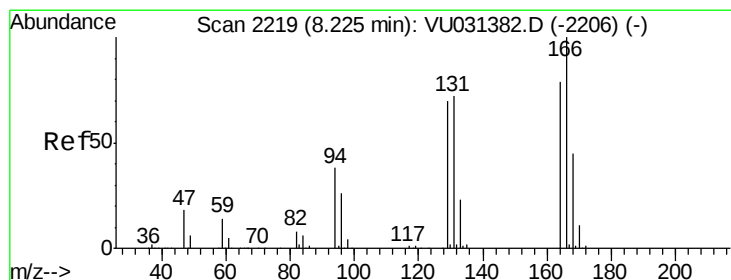
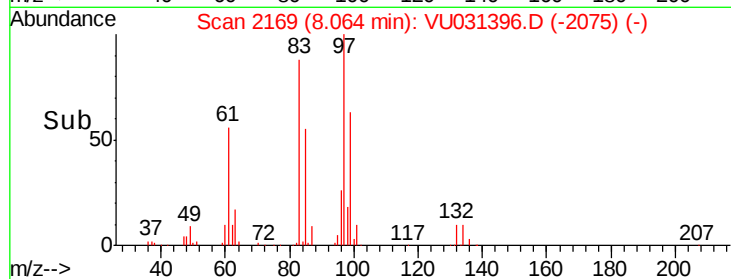
50000

0

8.06

8.00 8.05 8.10 8.15

Time-->



#46

Tetrachloroethene

Concen: 51.051 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Tgt Ion: 164 Resp: 155975

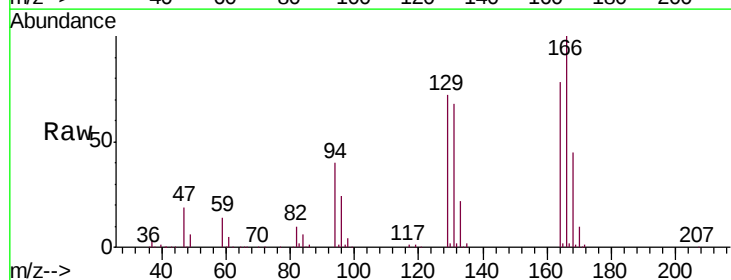
Ion Ratio Lower Upper

164 100

129 91.3 66.5 123.5

131 86.7 62.3 115.7

166 127.6 90.6 168.3



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

150000

100000

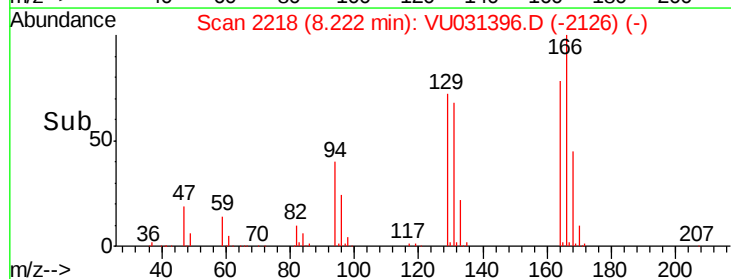
50000

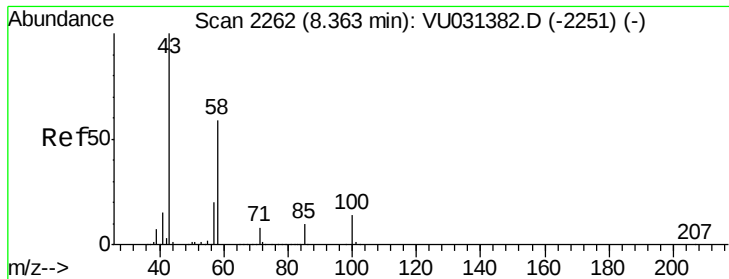
0

8.22

8.15 8.20 8.25 8.30

Time-->

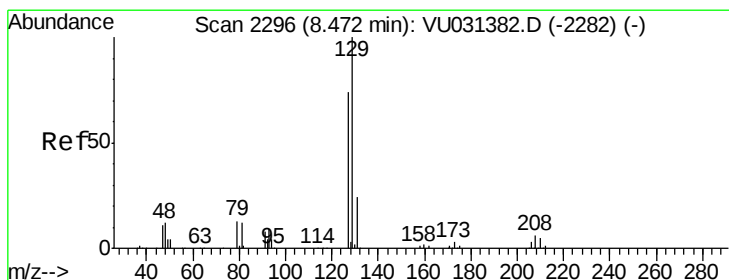
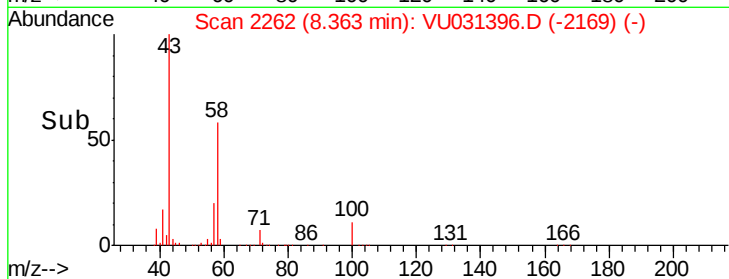
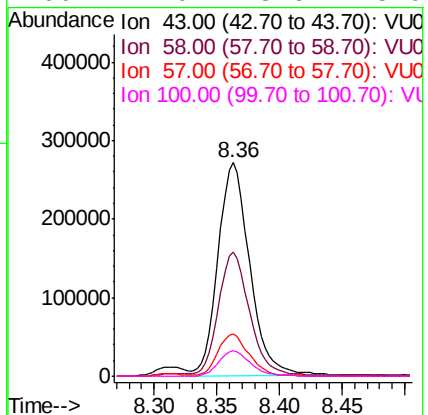
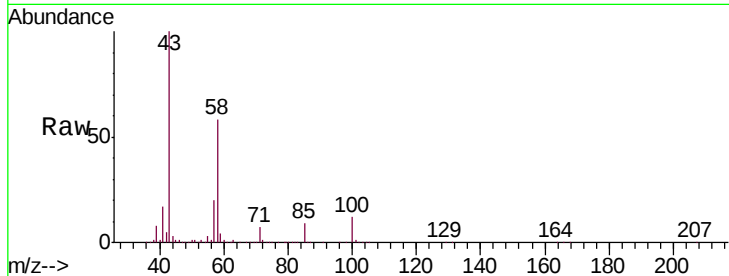




#48
2-Hexanone
Concen: 99.487 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU031396.D
Acq: 22 Apr 2019 16:01

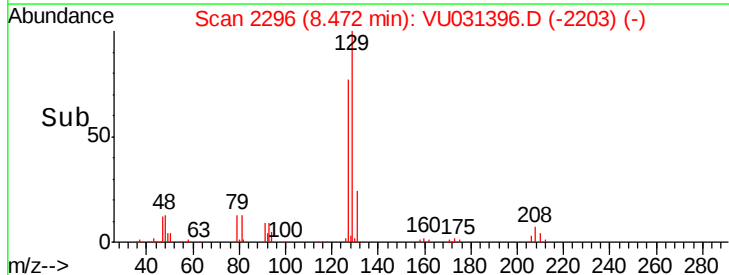
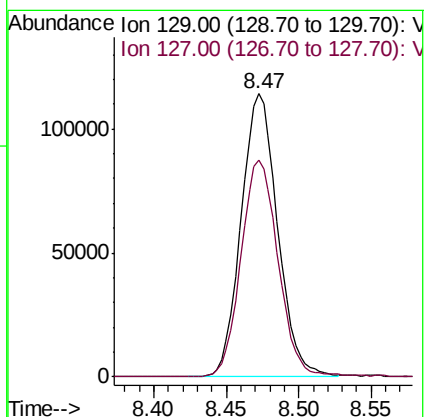
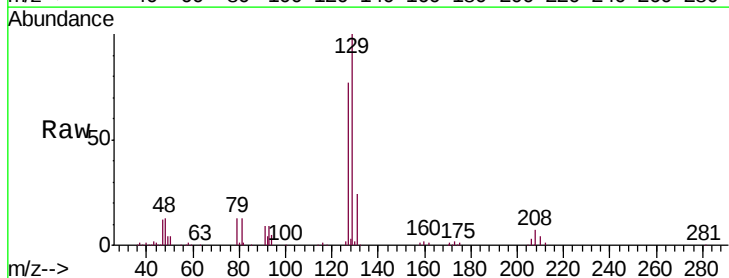
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

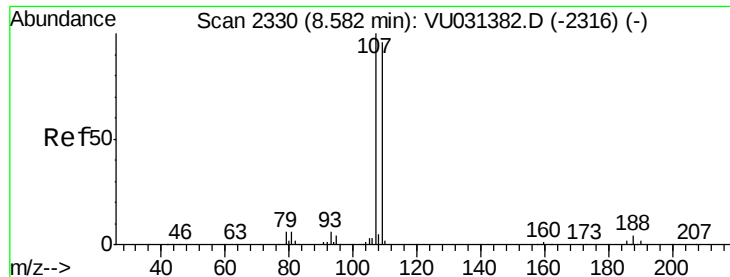
Tgt Ion:	43	Resp:	479973
Ion	Ratio	Lower	Upper
43	100		
58	56.9	44.9	67.3
57	19.6	15.1	22.7
100	12.0	8.6	13.0



#49
Dibromochloromethane
Concen: 47.906 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU031396.D
Acq: 22 Apr 2019 16:01

Tgt Ion:	129	Resp:	200375
Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.6	99.6





#50

1,2-Dibromoethane

Concen: 52.697 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

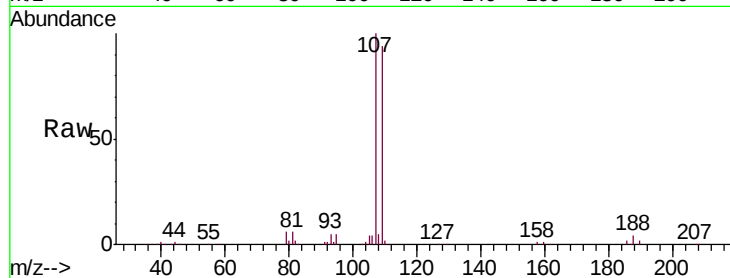
Tgt Ion:107 Resp: 215438

Ion Ratio Lower Upper

107 100

109 93.8 65.0 120.8

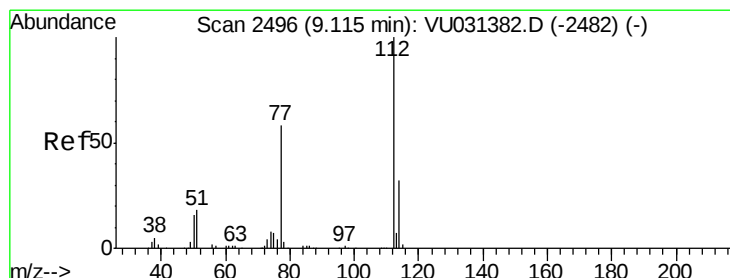
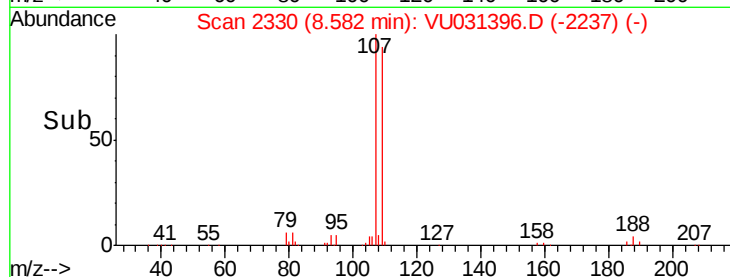
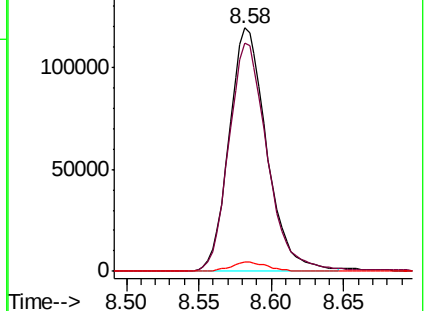
188 3.7 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 48.536 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

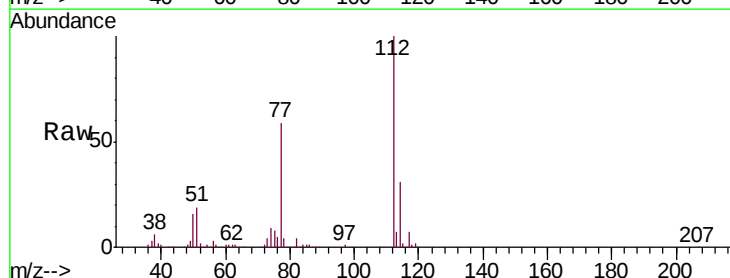
Tgt Ion:112 Resp: 489874

Ion Ratio Lower Upper

112 100

114 31.2 21.6 40.0

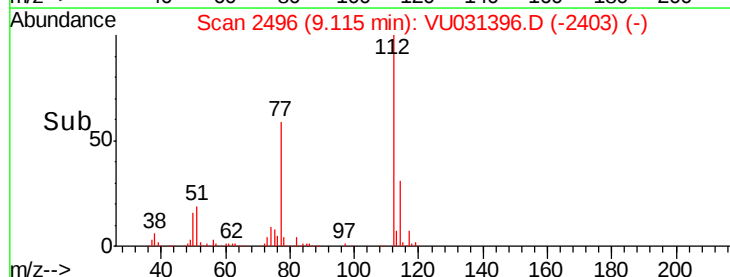
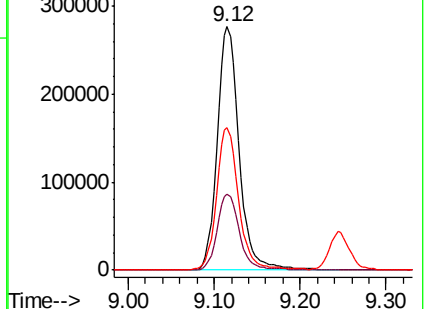
77 58.5 49.0 73.4

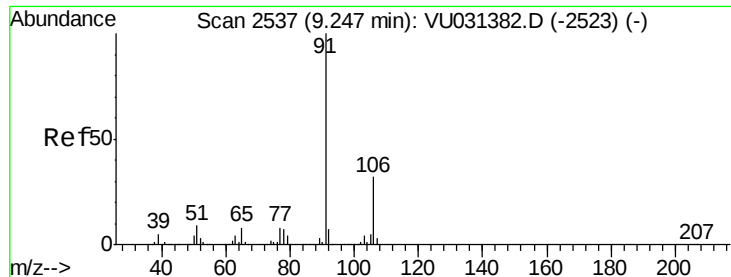


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 48.522 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

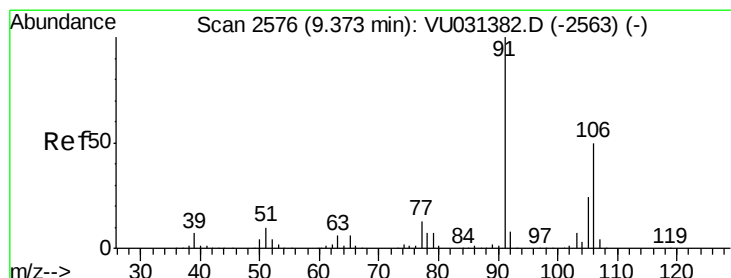
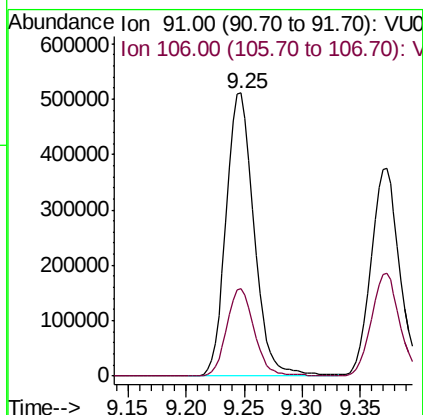
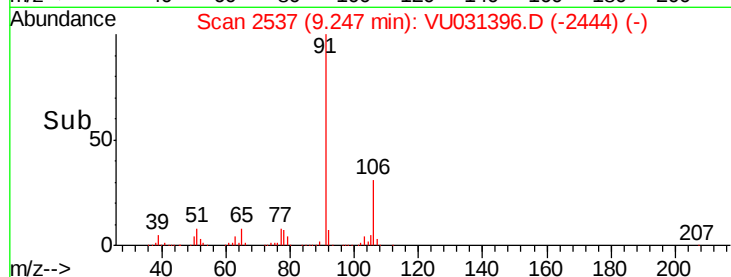
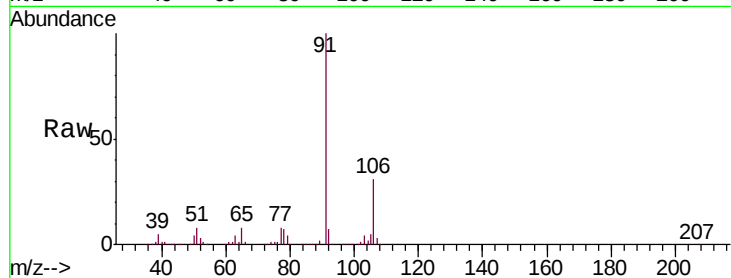
VSTD05045

Tgt Ion: 91 Resp: 853035

Ion Ratio Lower Upper

91 100

106 30.9 20.9 38.7



#53

m,p-Xylene

Concen: 52.353 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031396.D

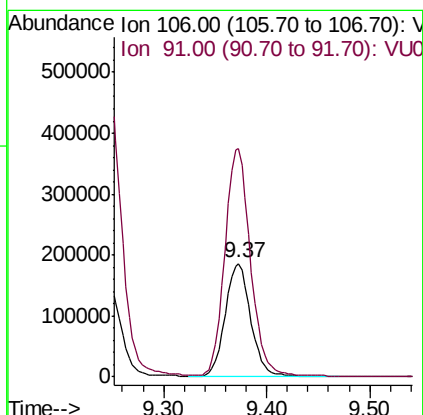
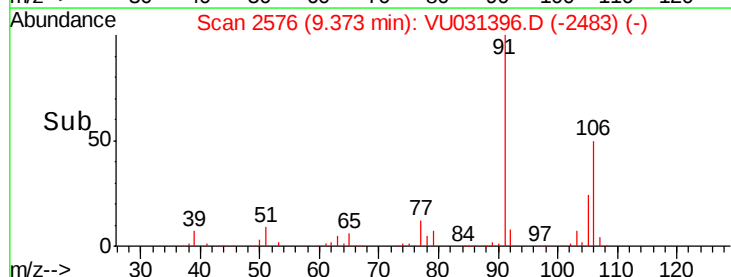
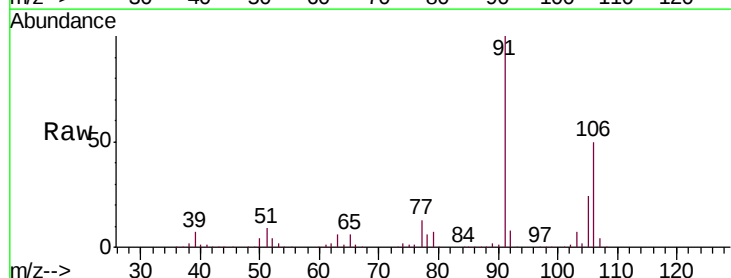
Acq: 22 Apr 2019 16:01

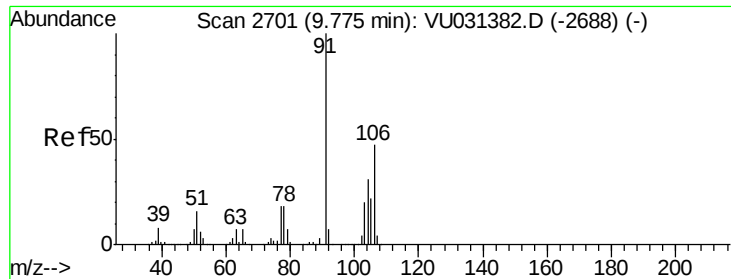
Tgt Ion: 106 Resp: 324800

Ion Ratio Lower Upper

106 100

91 201.7 144.5 268.4





#54

o-xylene

Concen: 51.244 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

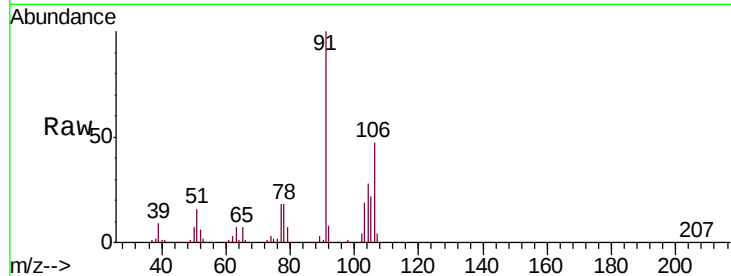
VSTD05045

Tgt Ion:106 Resp: 321948

Ion Ratio Lower Upper

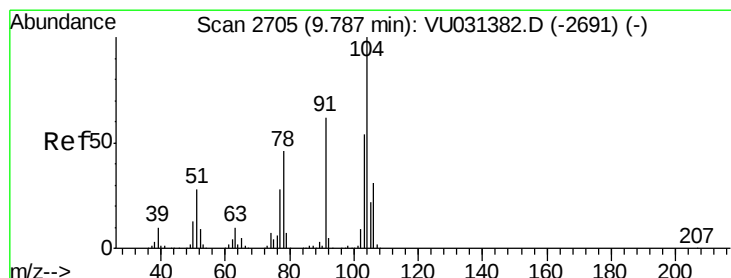
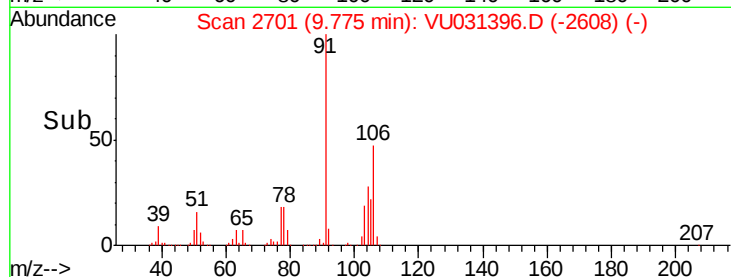
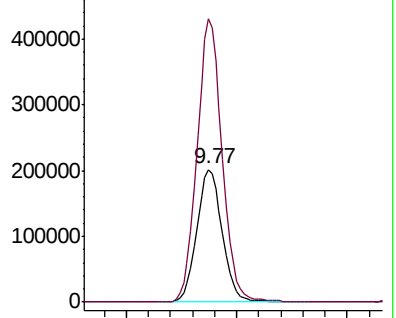
106 100

91 213.0 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.209 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU031396.D

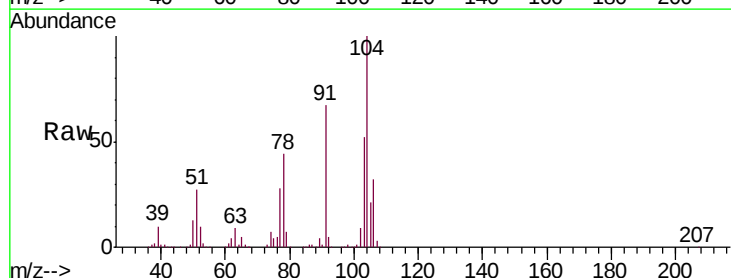
Acq: 22 Apr 2019 16:01

Tgt Ion:104 Resp: 543093

Ion Ratio Lower Upper

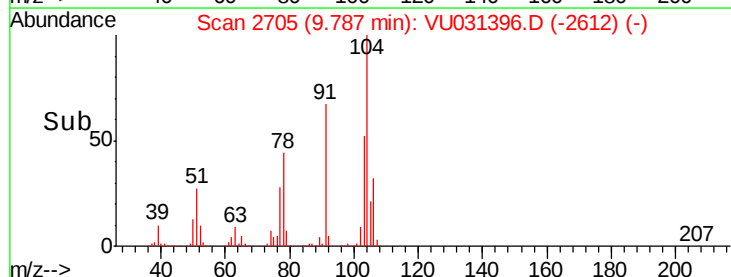
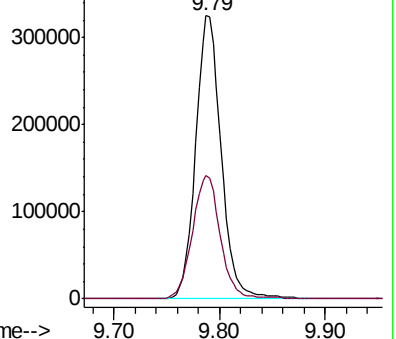
104 100

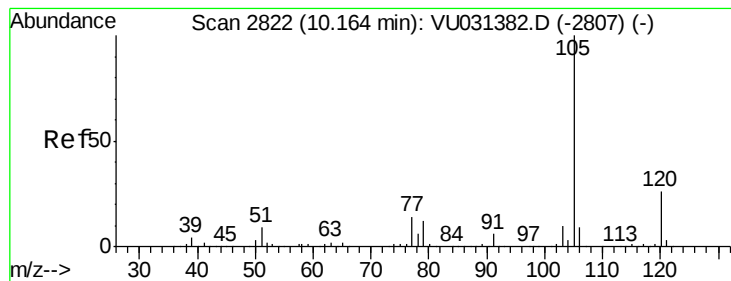
78 43.7 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.409 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

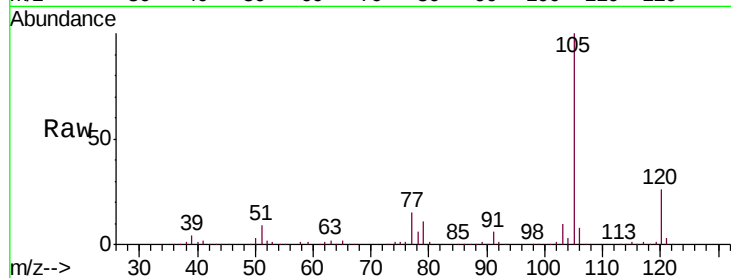
Tgt Ion: 105 Resp: 843958

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

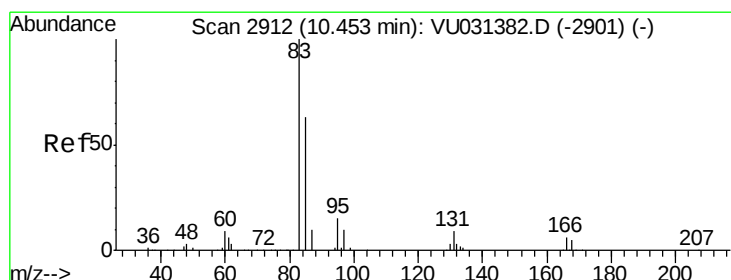
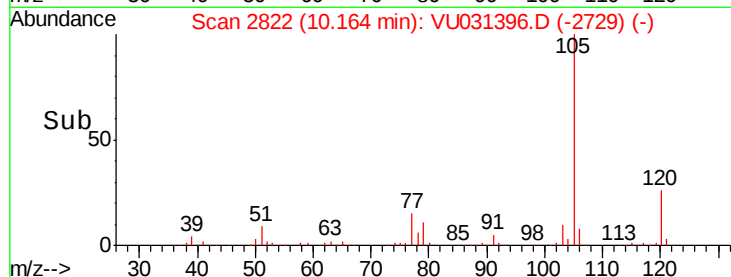
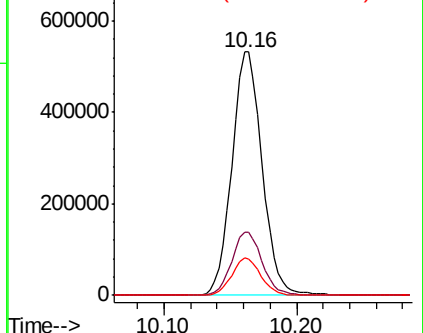
77 14.7 13.0 19.4



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: 56.350 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

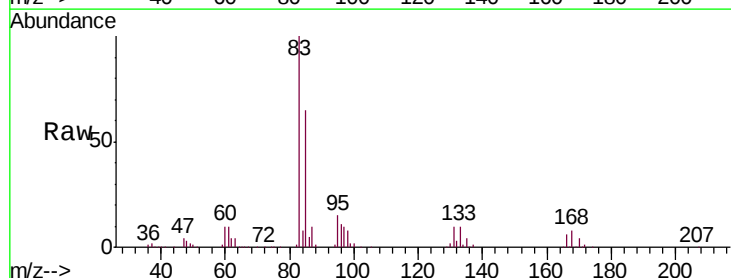
Tgt Ion: 83 Resp: 375479

Ion Ratio Lower Upper

83 100

85 65.3 45.4 84.4

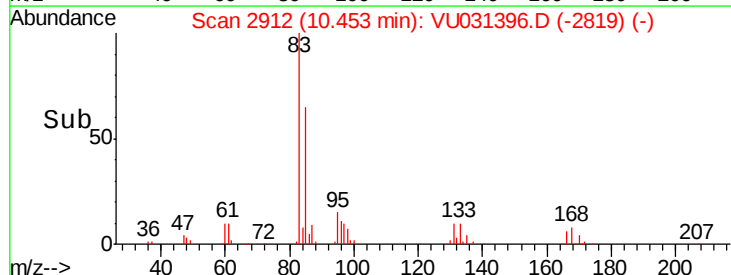
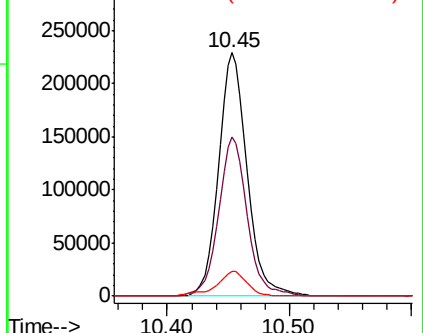
131 10.1 7.4 11.0

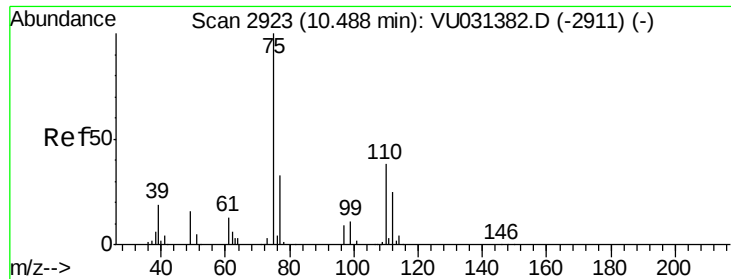


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

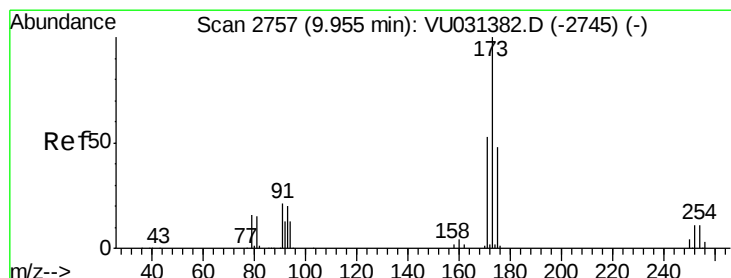
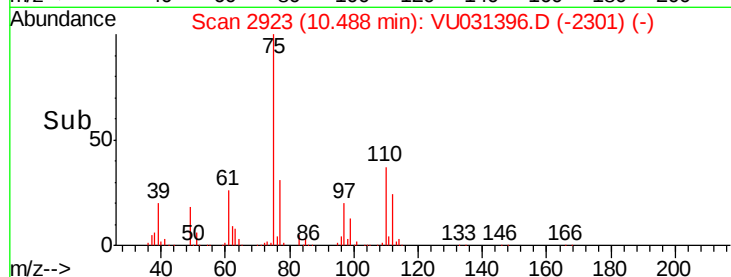
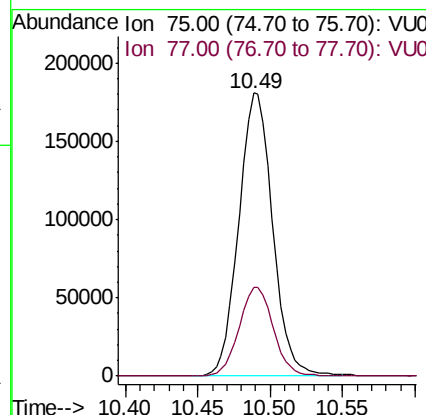
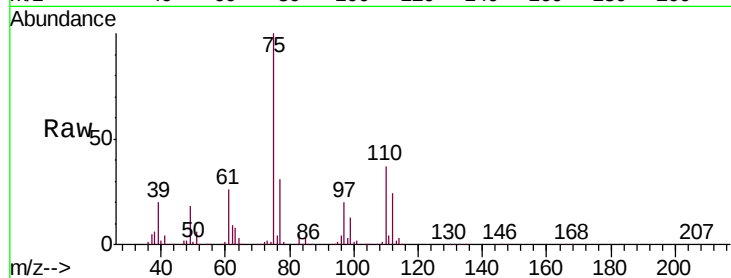




#59
 1,2,3-Trichloropropane
 Concen: 57.489 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU031396.D
 Acq: 22 Apr 2019 16:01

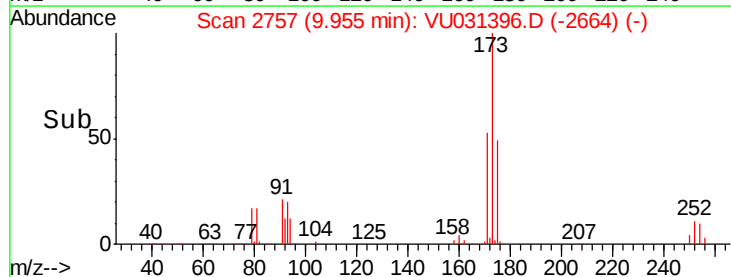
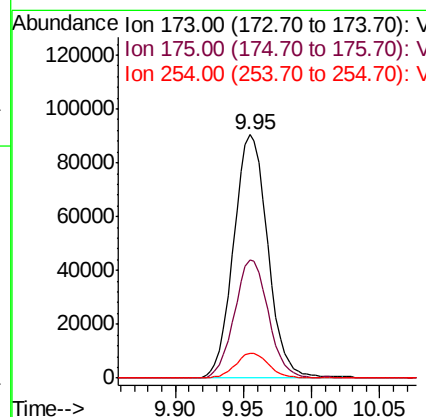
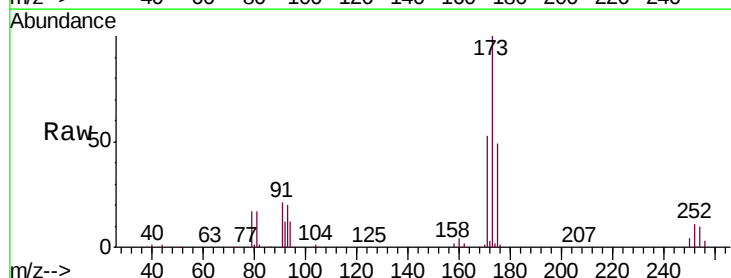
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

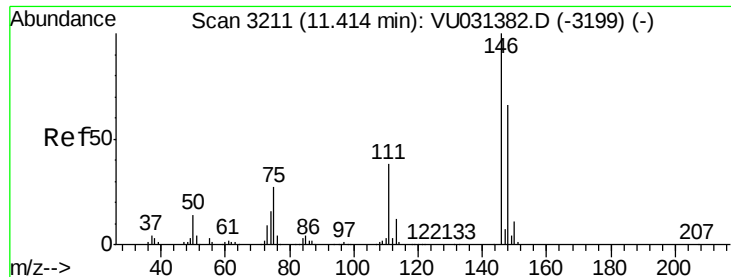
Tgt Ion: 75 Resp: 293981
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2



#61
 Bromoform
 Concen: 47.777 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU031396.D
 Acq: 22 Apr 2019 16:01

Tgt Ion: 173 Resp: 157336
 Ion Ratio Lower Upper
 173 100
 175 48.2 37.8 56.8
 254 9.9 7.2 10.8





#62

1,3-Dichlorobenzene

Concen: 47.363 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

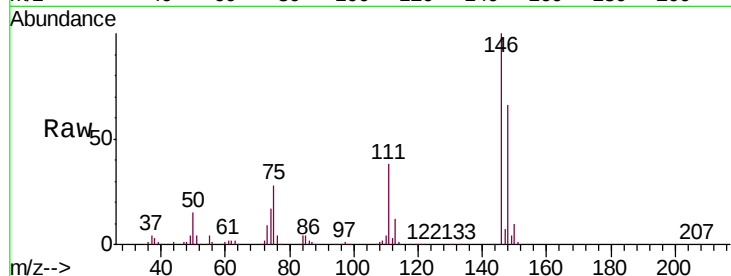
Tgt Ion:146 Resp: 372334

Ion Ratio Lower Upper

146 100

111 37.6 28.7 53.3

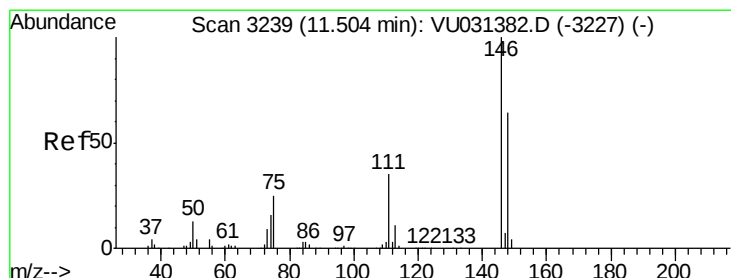
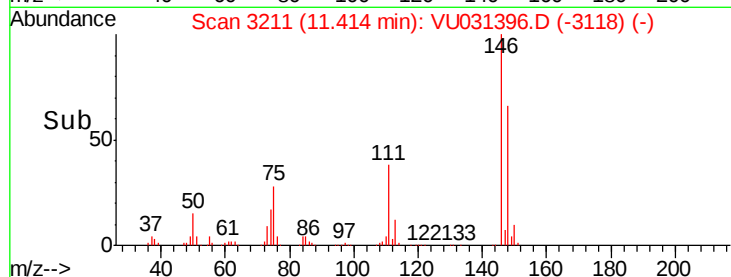
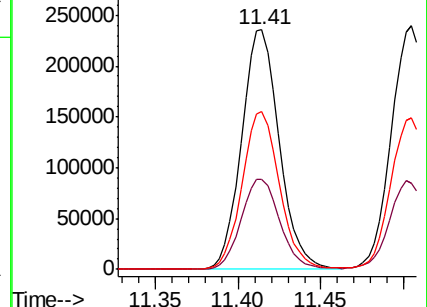
148 65.7 44.0 81.6



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



#63

1,4-Dichlorobenzene

Concen: 48.535 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

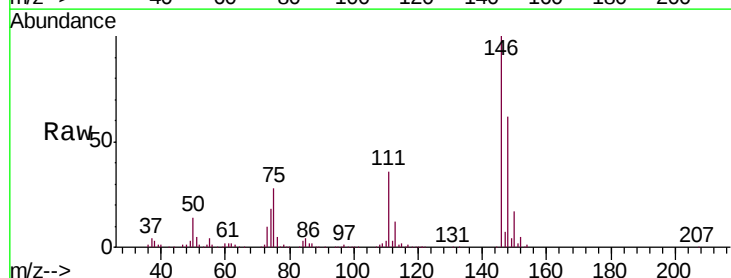
Tgt Ion:146 Resp: 382560

Ion Ratio Lower Upper

146 100

111 35.6 27.4 50.8

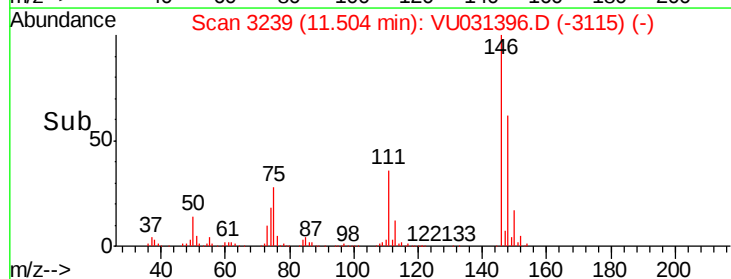
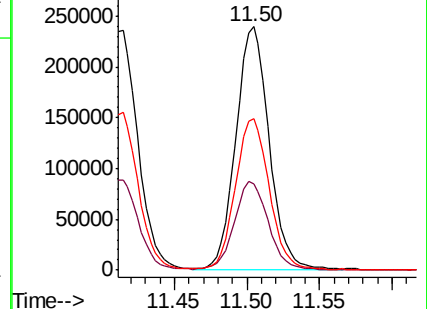
148 62.2 44.5 82.7

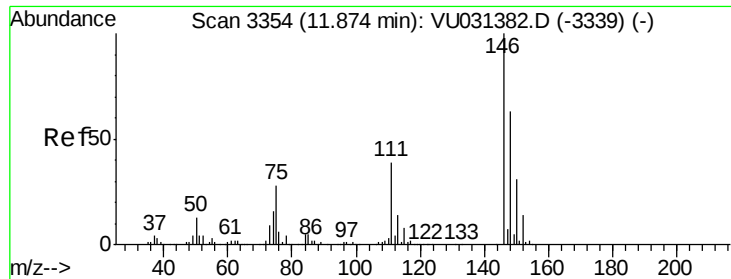


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

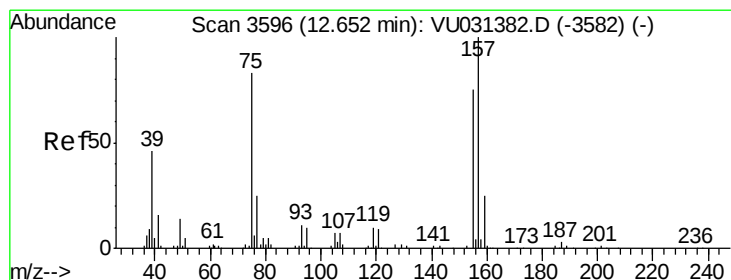
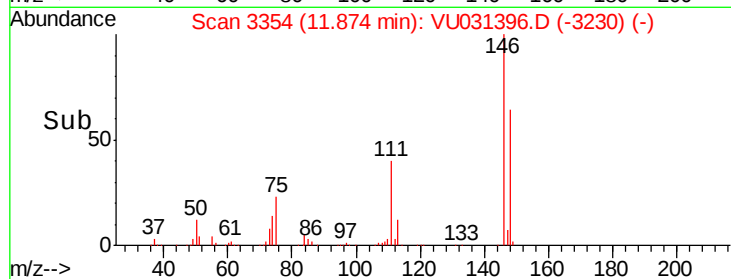
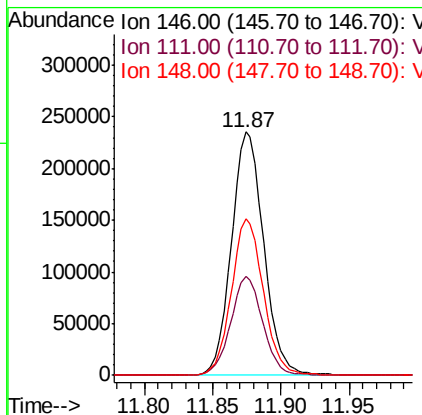
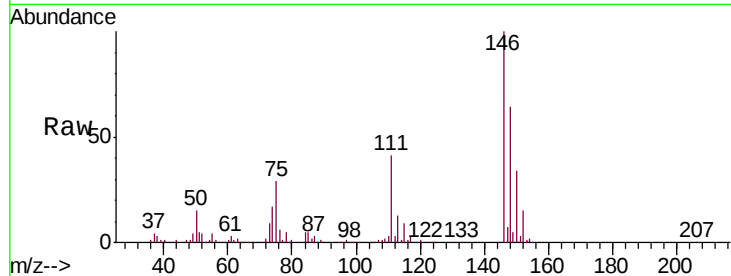




#65
 1,2-Dichlorobenzene
 Concen: 46.716 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU031396.D
 Acq: 22 Apr 2019 16:01

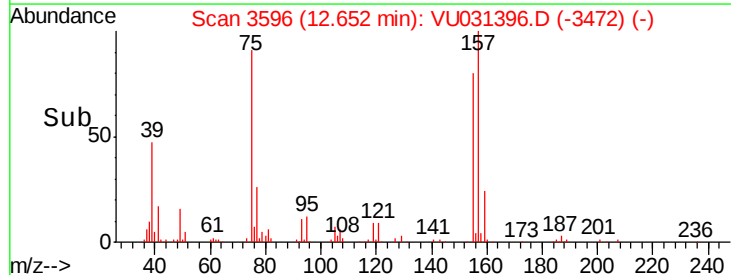
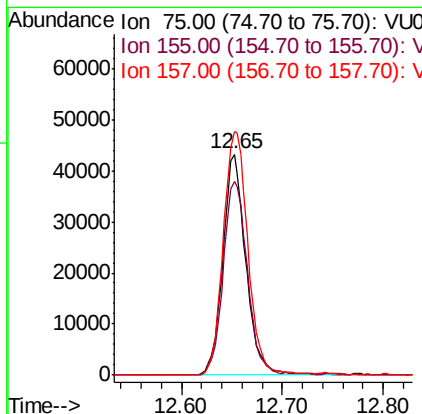
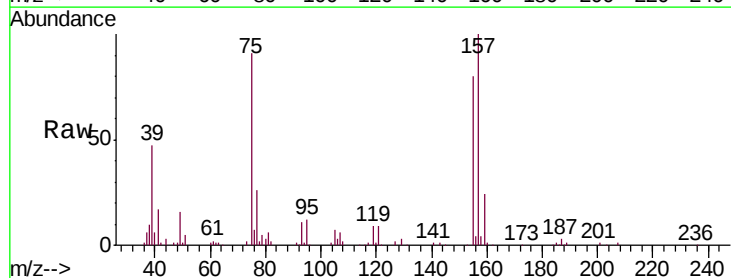
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

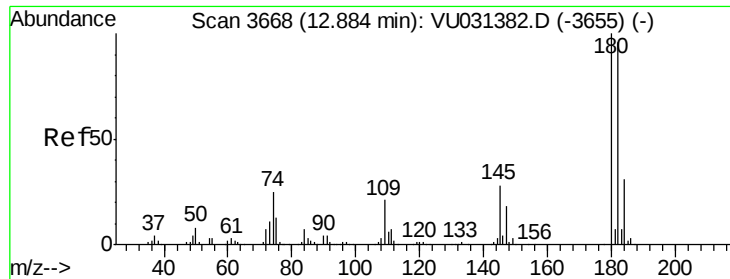
Tgt Ion:146 Resp: 386289
 Ion Ratio Lower Upper
 146 100
 111 40.5 33.4 50.2
 148 64.1 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.870 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU031396.D
 Acq: 22 Apr 2019 16:01

Tgt Ion: 75 Resp: 69213
 Ion Ratio Lower Upper
 75 100
 155 87.9 66.7 100.1
 157 110.2 86.5 129.7

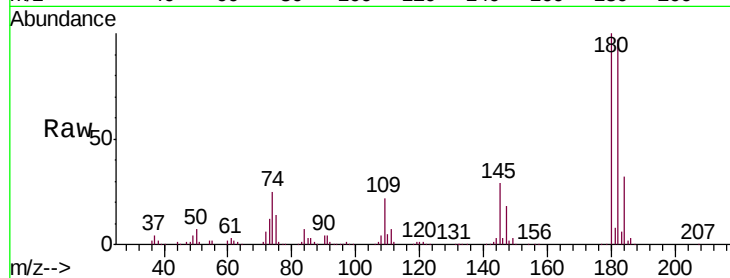




#67
 1,3,5-Trichlorobenzene
 Concen: 49.733 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU031396.D
 Acq: 22 Apr 2019 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.7	115.1
184	31.0	24.2	36.4
145	28.9	23.9	35.9



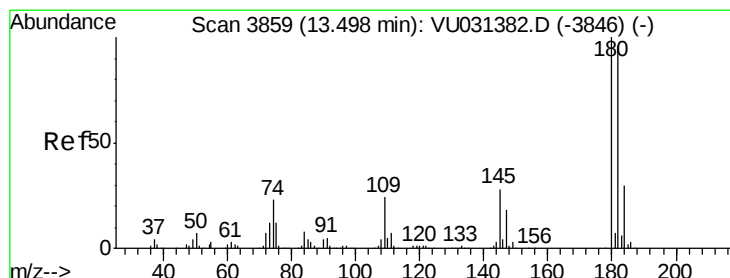
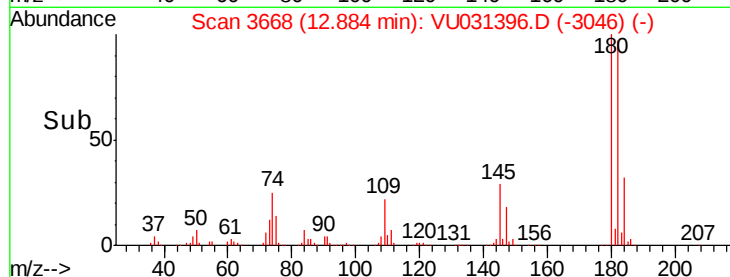
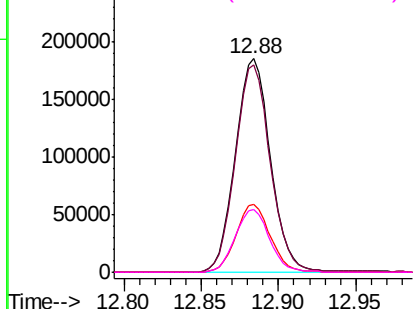
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

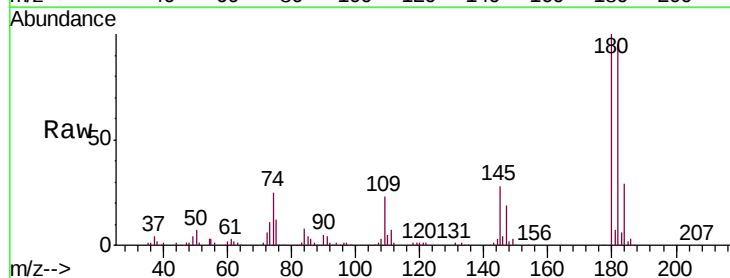
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.491 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU031396.D
 Acq: 22 Apr 2019 16:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.5	113.3
145	28.5	23.1	34.7

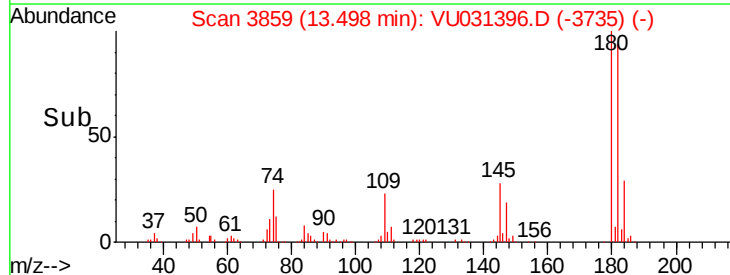
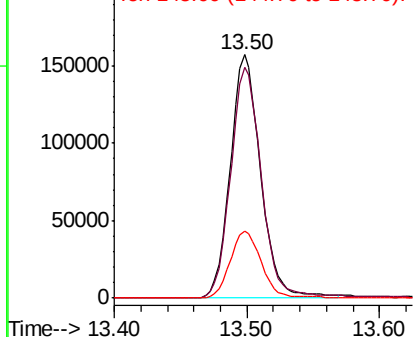


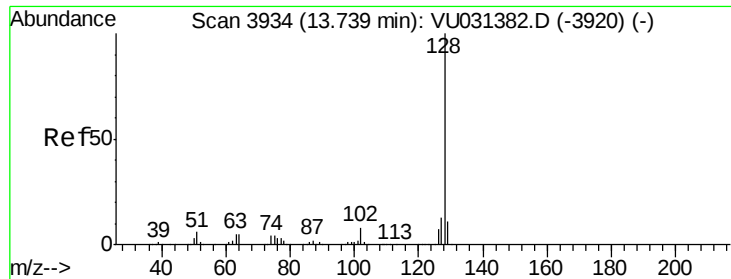
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 54.153 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

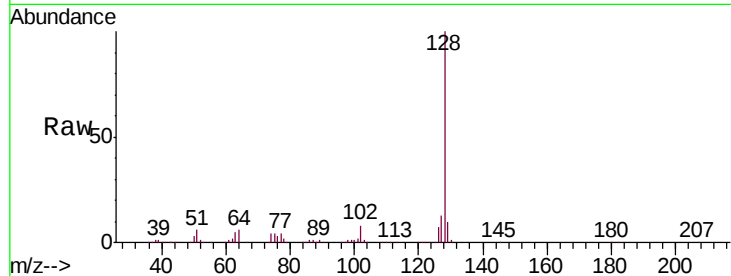
Tgt Ion:128 Resp: 810103

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

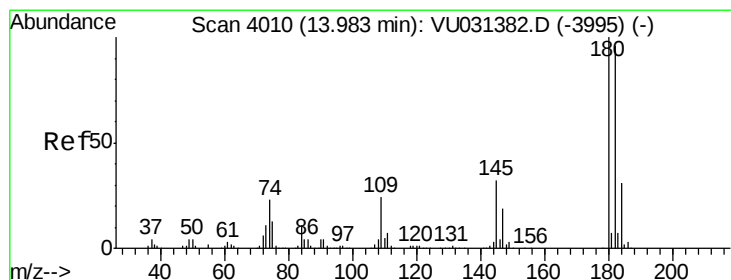
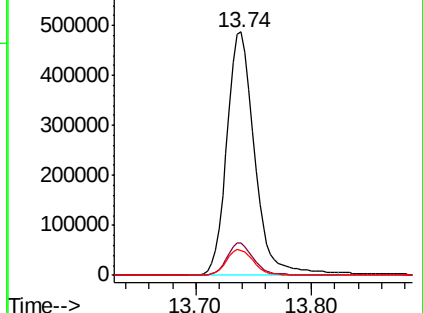
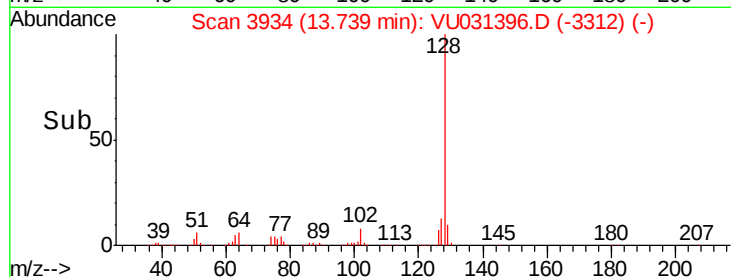
129 10.7 8.2 12.2



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: 50.394 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU031396.D

Acq: 22 Apr 2019 16:01

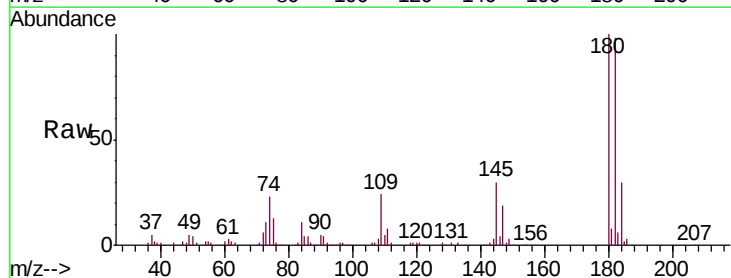
Tgt Ion:180 Resp: 260923

Ion Ratio Lower Upper

180 100

182 96.1 78.2 117.4

145 29.3 25.0 37.6



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

