

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071918\
 Data File : VU025526.D
 Acq On : 19 Jul 2018 17:00
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Jul 20 02:46:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 20 02:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	314830	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	292421	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	153021	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	57460	38.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.40%
7) Chloroethane-d5	1.68	69	56790	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.28	63	152676	46.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.66%
21) 2-Butanone-d5	4.18	46	154052	97.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.51%
24) Chloroform-d	4.65	84	186259	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.72%
26) 1,2-Dichloroethane-d4	5.31	65	124700	47.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.16%
32) Benzene-d6	5.35	84	332277	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
36) 1,2-Dichloropropane-d6	6.34	67	110826	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.72%
41) Toluene-d8	7.57	98	320302	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%
43) trans-1,3-Dichloropropene-	7.85	79	57089	46.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.72%
47) 2-Hexanone-d5	8.31	63	113954	93.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.92%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	174939	50.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	146864	47.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.78%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	126376	48.791	ug/L 99
3) Chloromethane	1.33	50	93479	40.783	ug/L 99
5) Vinyl chloride	1.41	62	107289	46.553	ug/L 99
6) Bromomethane	1.63	94	21159	16.845	ug/L 99
8) Chloroethane	1.70	64	67057	48.620	ug/L 98
9) Trichlorofluoromethane	1.89	101	167664	49.486	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	100271	54.508	ug/L 99
12) 1,1-Dichloroethene	2.29	96	89292	52.327	ug/L 98
13) Acetone	2.32	43	157454	114.130	ug/L 98
14) Carbon disulfide	2.48	76	258965	46.965	ug/L 99
15) Methyl Acetate	2.62	43	120161	47.129	ug/L 98
16) Methylene chloride	2.71	84	119430	53.518	ug/L 96
17) trans-1,2-Dichloroethene	2.99	96	99390	49.242	ug/L 94
18) Methyl tert-butyl Ether	3.00	73	354982	49.636	ug/L 100
19) 1,1-Dichloroethane	3.45	63	200253	49.596	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	124128	50.229	ug/L 97
22) 2-Butanone	4.26	43	195344	102.870	ug/L 99

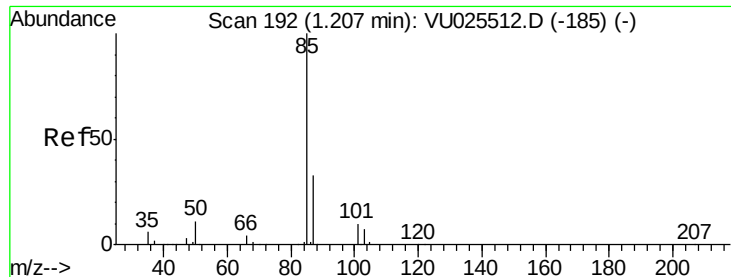
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071918\
 Data File : VU025526.D
 Acq On : 19 Jul 2018 17:00
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Jul 20 02:46:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 20 02:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	65180	52.623	ug/L	96
25) Chloroform	4.68	83	211631	49.881	ug/L	96
27) 1,2-Dichloroethane	5.41	62	176205	50.011	ug/L	100
29) Cyclohexane	5.00	56	168323	49.987	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	192554	49.482	ug/L	99
31) Carbon tetrachloride	5.14	117	171935	50.294	ug/L	99
33) Benzene	5.39	78	428751	49.561	ug/L	100
34) Trichloroethene	6.19	95	113301	49.475	ug/L	98
35) Methylcyclohexane	6.42	83	180926	52.036	ug/L	98
37) 1,2-Dichloropropane	6.44	63	118925	49.833	ug/L	99
38) Bromodichloromethane	6.76	83	157362	48.836	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	189389	51.220	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	325236	93.968	ug/L	100
42) Toluene	7.64	91	466390	50.561	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	178324	50.237	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	116399	51.444	ug/L	96
46) Tetrachloroethene	8.23	164	97426	50.997	ug/L	97
48) 2-Hexanone	8.36	43	268337	97.038	ug/L	98
49) Dibromochloromethane	8.48	129	138975	50.738	ug/L	98
50) 1,2-Dibromoethane	8.59	107	125015	50.058	ug/L	99
51) Chlorobenzene	9.12	112	314621	50.833	ug/L	99
52) Ethylbenzene	9.25	91	519988	50.500	ug/L	100
53) m,p-Xylene	9.38	106	201685	51.103	ug/L	97
54) o-xylene	9.78	106	204454	51.351	ug/L	97
55) Styrene	9.80	104	339659	51.652	ug/L	100
56) Isopropylbenzene	10.17	105	534154	51.805	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	190900	49.005	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	151843	47.846	ug/L	99
61) Bromoform	9.96	173	101757	47.142	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	250359	49.365	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	256141	49.977	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	264667	49.422	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	43717	43.622	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	198956	51.037	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	172572	49.646	ug/L	100
69) Naphthalene	13.74	128	558408	46.428	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	185888	49.584	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.791 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

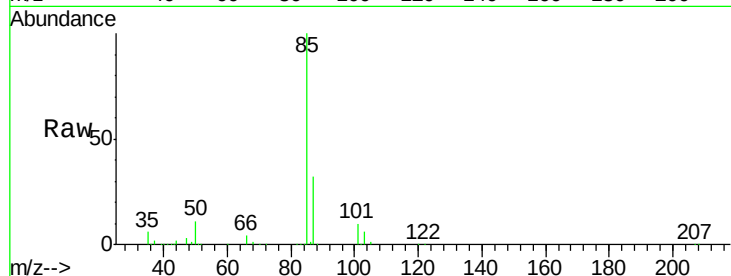
VSTD05052

Tgt Ion: 85 Resp: 126376

Ion Ratio Lower Upper

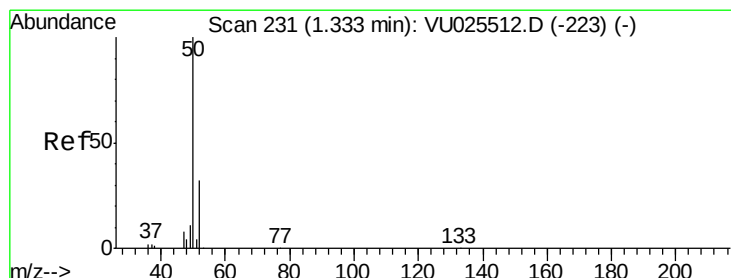
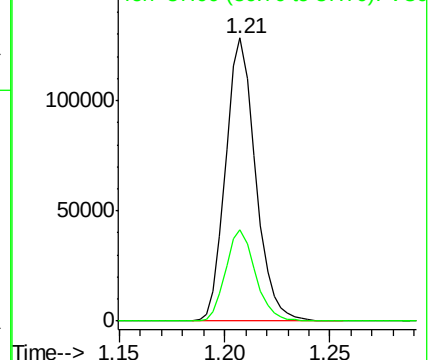
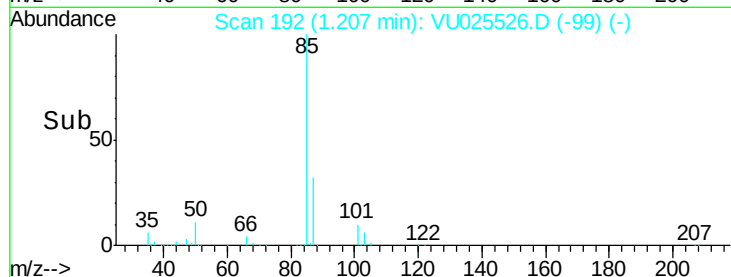
85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU025526.D (-99) (-)

Ion 87.00 (86.70 to 87.70): VU025526.D (-99) (-)



#3

Chloromethane

Concen: 40.783 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025526.D

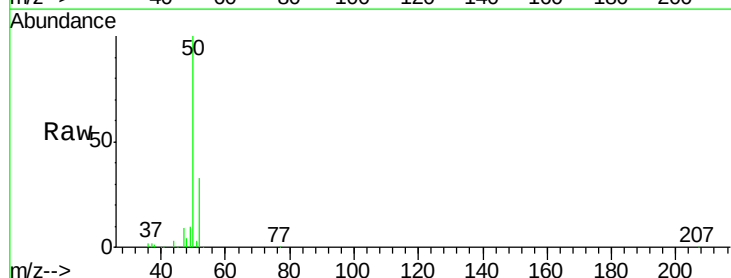
Acq: 19 Jul 2018 17:00

Tgt Ion: 50 Resp: 93479

Ion Ratio Lower Upper

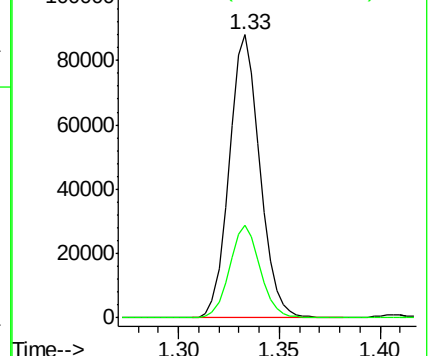
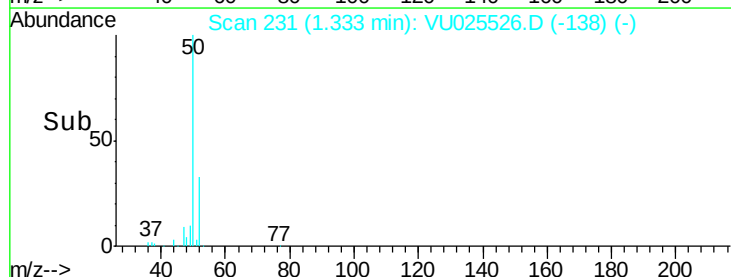
50 100

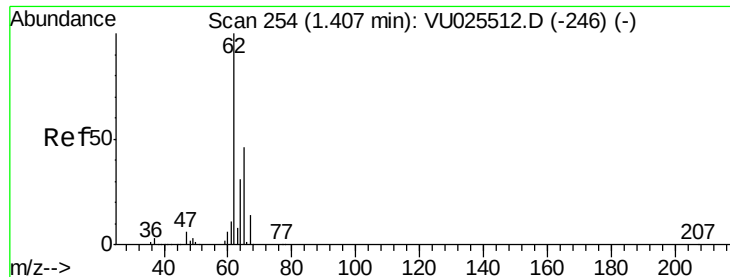
52 32.8 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VU025526.D (-138) (-)

Ion 52.00 (51.70 to 52.70): VU025526.D (-138) (-)





#5

Vinyl chloride

Concen: 46.553 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

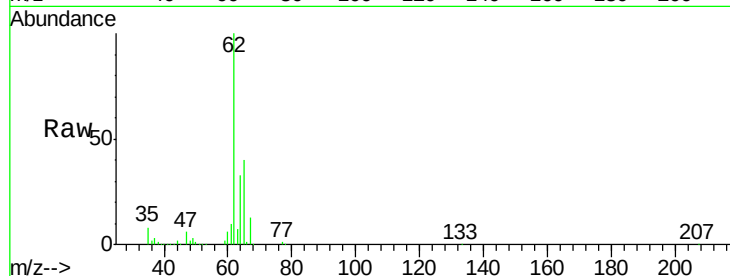
VSTD05052

Tgt Ion: 62 Resp: 107289

Ion Ratio Lower Upper

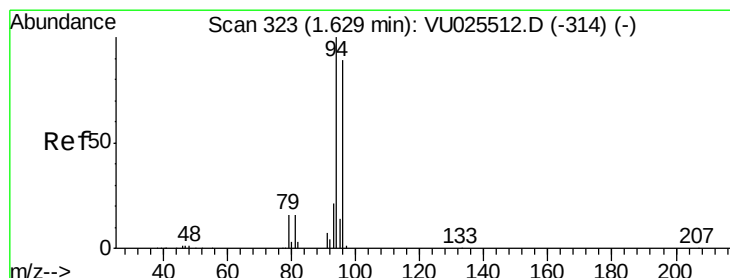
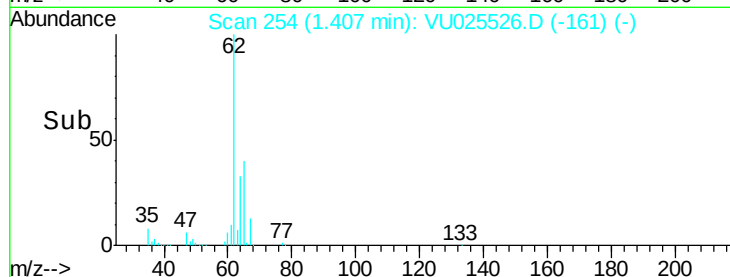
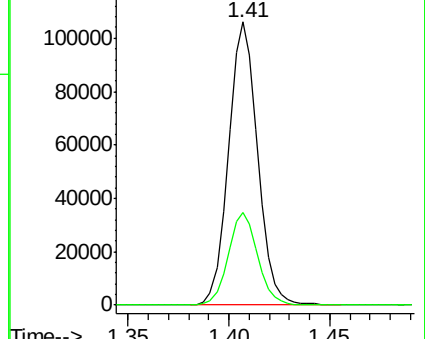
62 100

64 32.9 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 16.845 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU025526.D

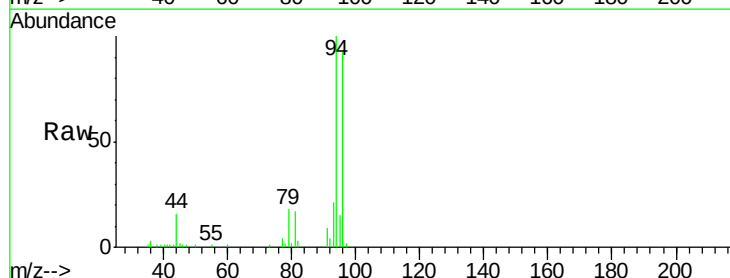
Acq: 19 Jul 2018 17:00

Tgt Ion: 94 Resp: 21159

Ion Ratio Lower Upper

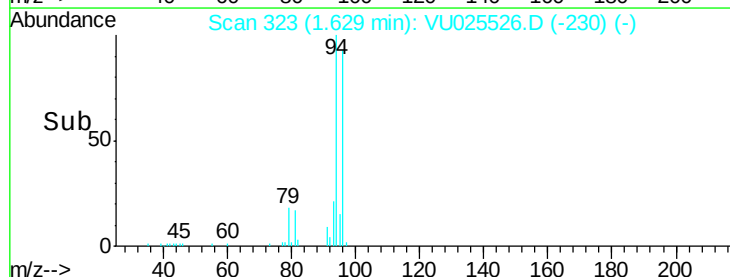
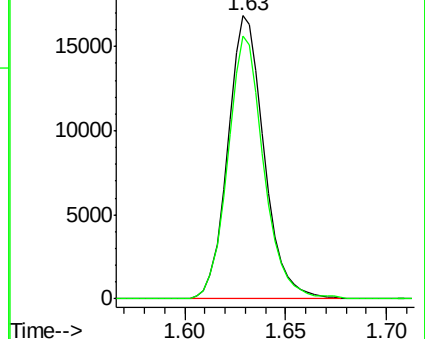
94 100

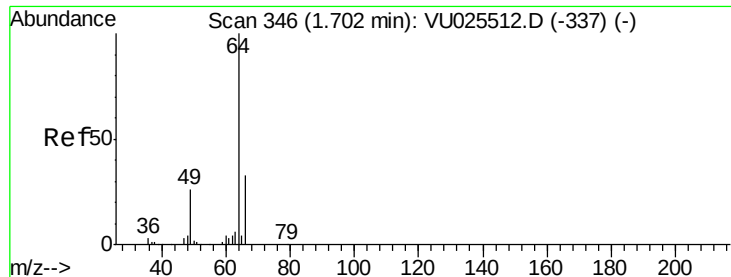
96 92.7 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 48.620 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

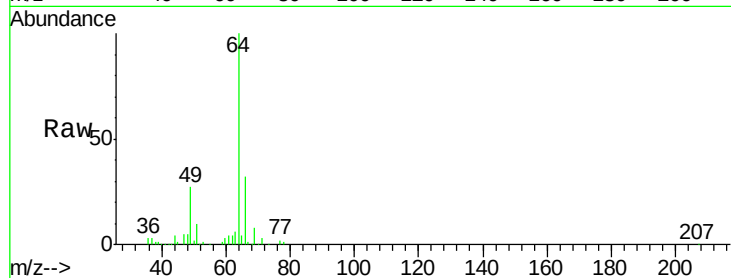
VSTD05052

Tgt Ion: 64 Resp: 67057

Ion Ratio Lower Upper

64 100

66 31.9 23.0 42.8

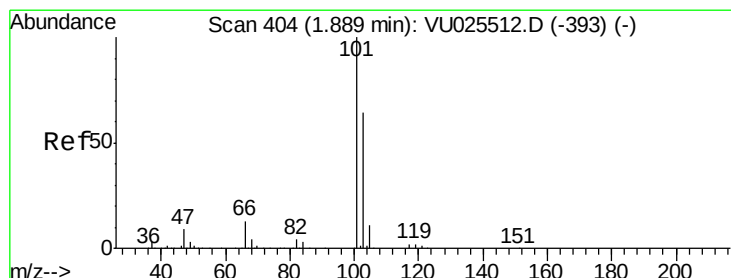
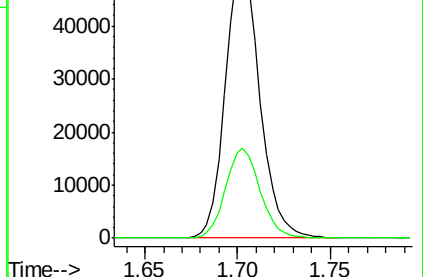
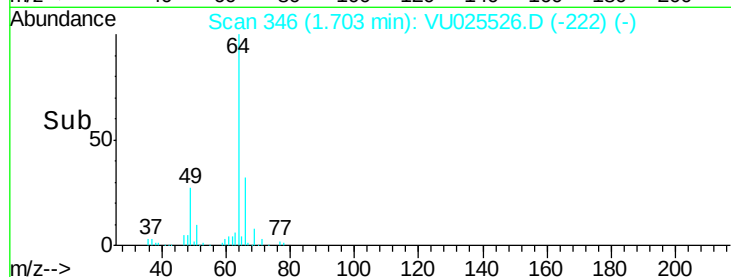


Abundance Ion 64.00 (63.70 to 64.70): VU025512.D (-337) (-)

Ion 66.00 (65.70 to 66.70): VU025512.D (-337) (-)

1.70

Time-->



#9

Trichlorofluoromethane

Concen: 49.486 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025526.D

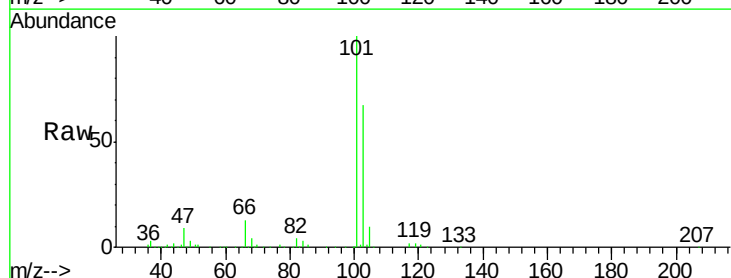
Acq: 19 Jul 2018 17:00

Tgt Ion: 101 Resp: 167664

Ion Ratio Lower Upper

101 100

103 65.8 52.3 78.5

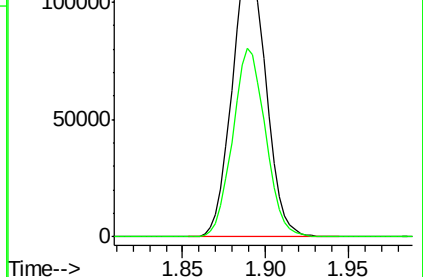
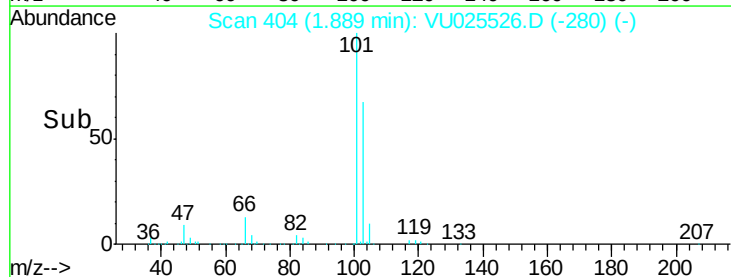


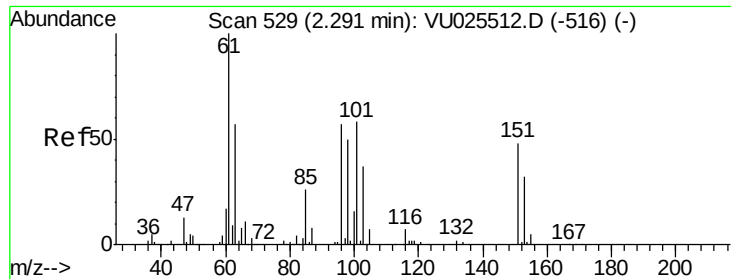
Abundance Ion 101.00 (100.70 to 101.70): VU025512.D (-393) (-)

Ion 103.00 (102.70 to 103.70): VU025512.D (-393) (-)

1.89

Time-->





#10

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

Concen: 54.508 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

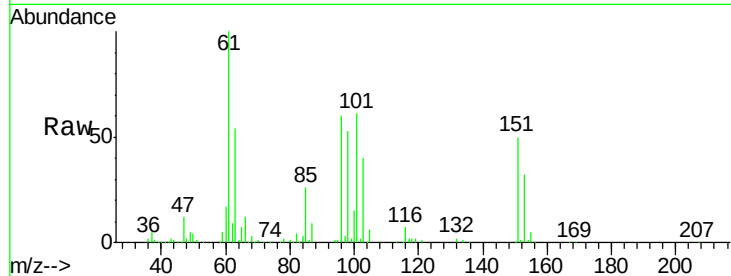
Tgt Ion: 101 Resp: 100271

Ion Ratio Lower Upper

101 100

85 44.8 35.4 53.2

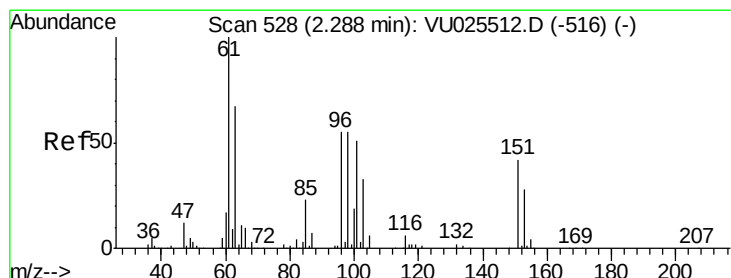
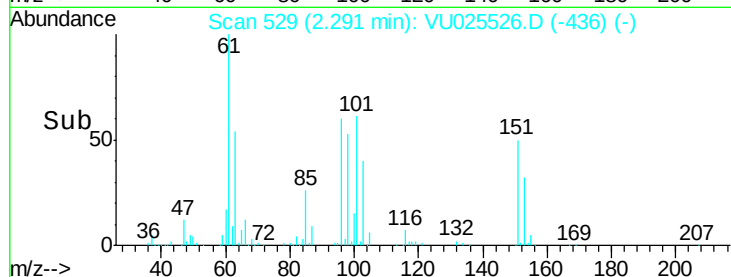
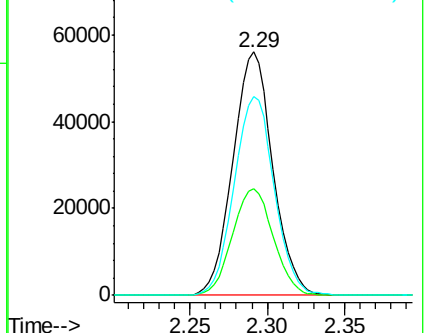
151 82.4 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VU025512.D (-516) (-)

Ion 85.00 (84.70 to 85.70): VU025512.D (-516) (-)

Ion 151.00 (150.70 to 151.70): VU025512.D (-516) (-)



#12

1,1-Dichloroethene

Concen: 52.327 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

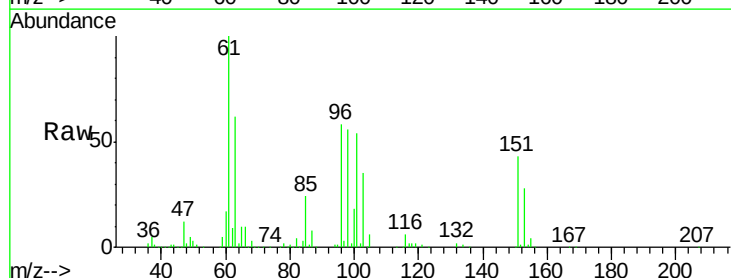
Tgt Ion: 96 Resp: 89292

Ion Ratio Lower Upper

96 100

61 172.5 120.6 224.0

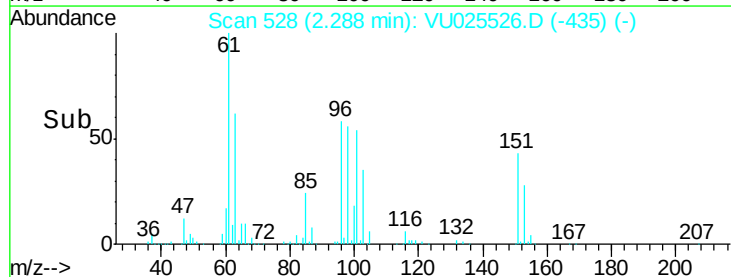
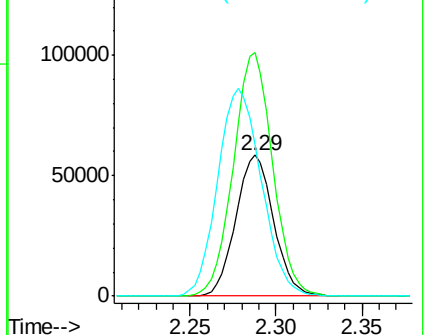
63 107.1 79.3 147.3

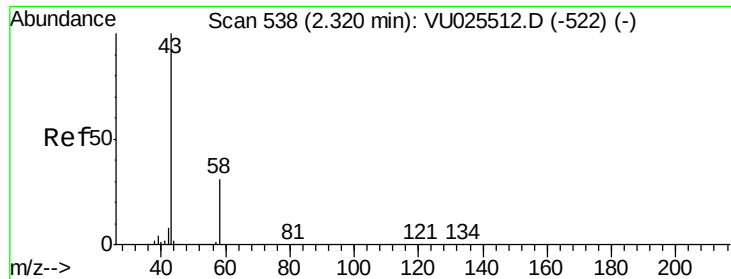


Abundance Ion 96.00 (95.70 to 96.70): VU025512.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VU025512.D (-516) (-)

Ion 63.00 (62.70 to 63.70): VU025512.D (-516) (-)





#13

Acetone

Concen: 114.130 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

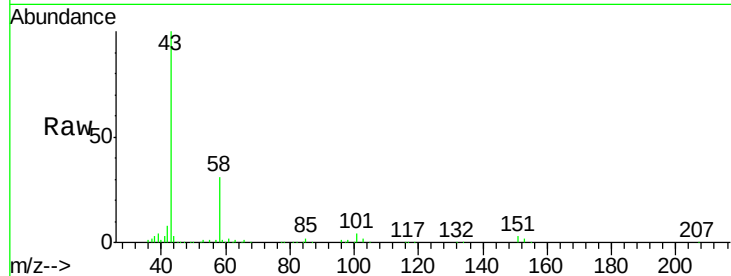
VSTD05052

Tgt Ion: 43 Resp: 157454

Ion Ratio Lower Upper

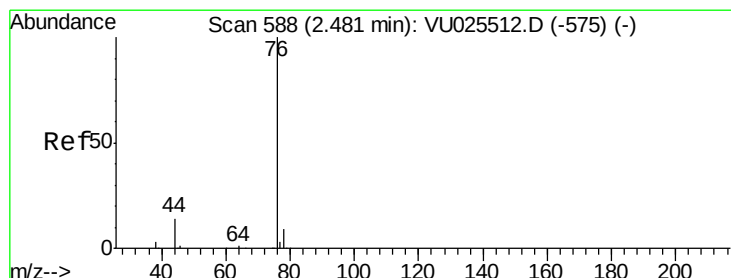
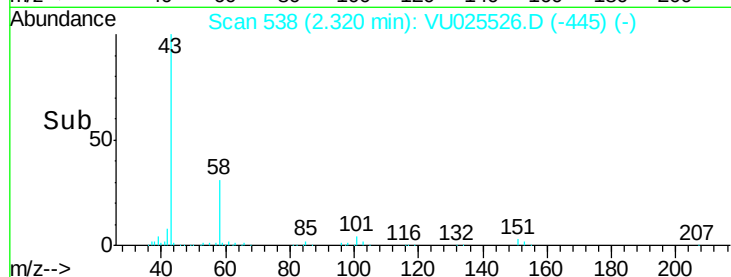
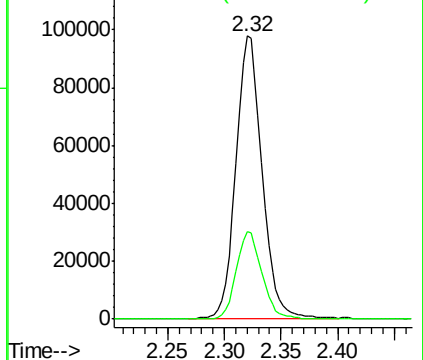
43 100

58 30.5 0.0 59.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 46.965 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025526.D

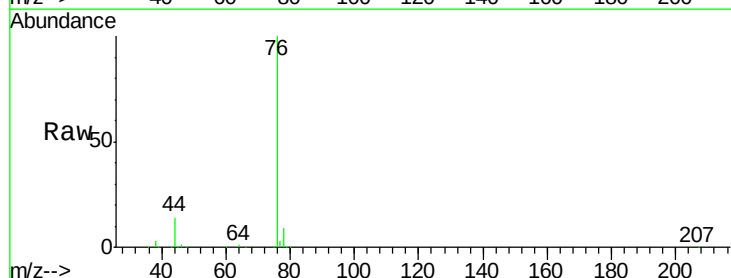
Acq: 19 Jul 2018 17:00

Tgt Ion: 76 Resp: 258965

Ion Ratio Lower Upper

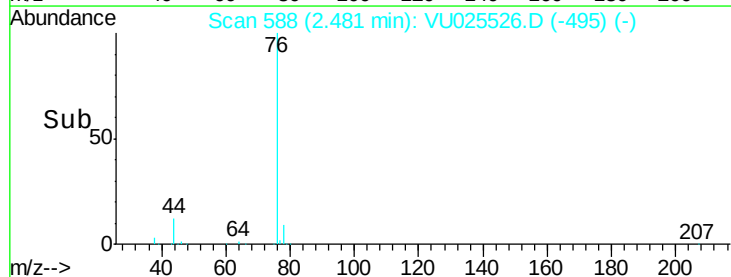
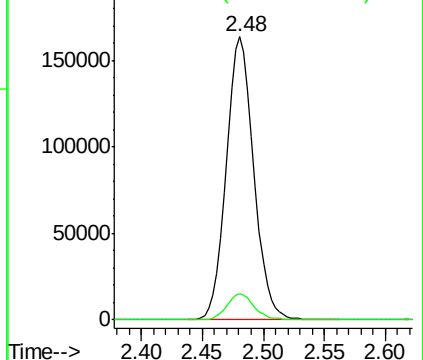
76 100

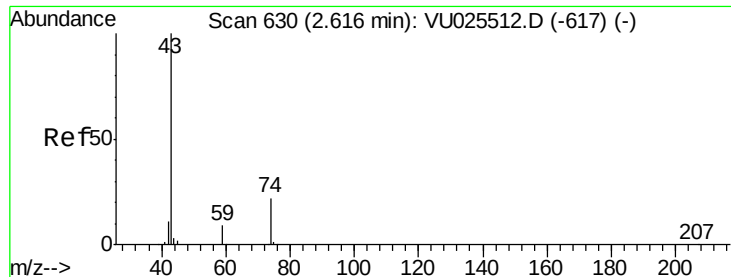
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

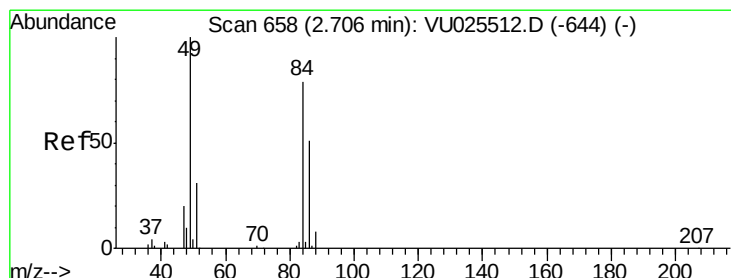
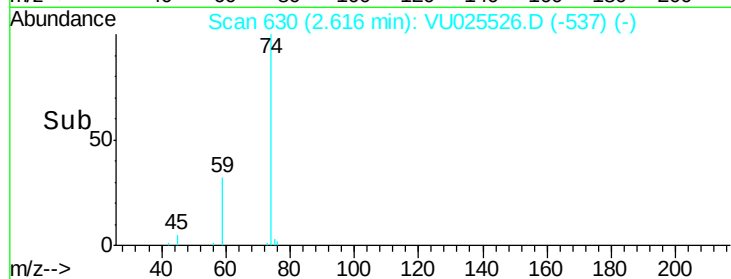
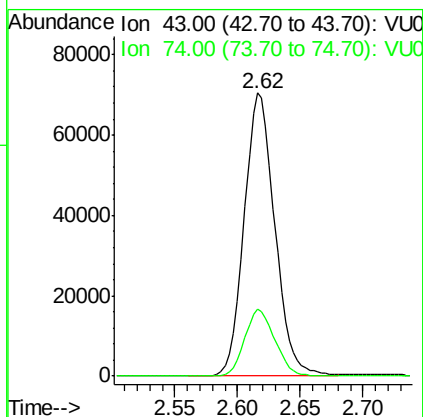
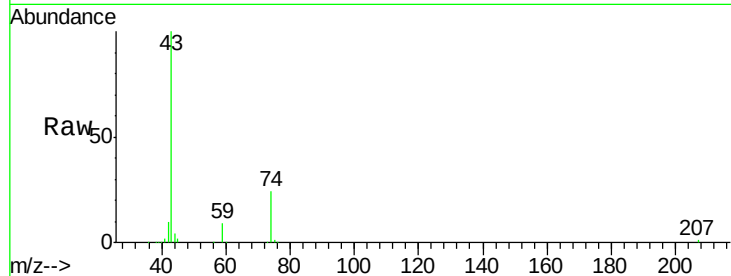




#15
Methyl Acetate
Concen: 47.129 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025526.D
Acq: 19 Jul 2018 17:00

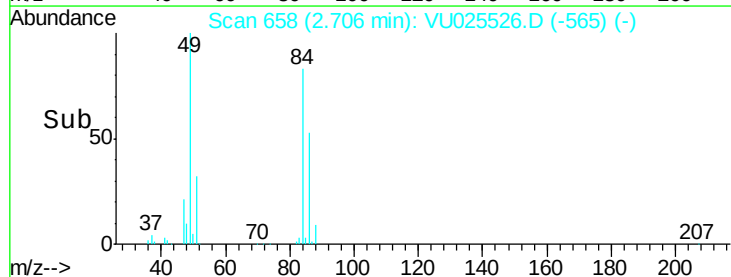
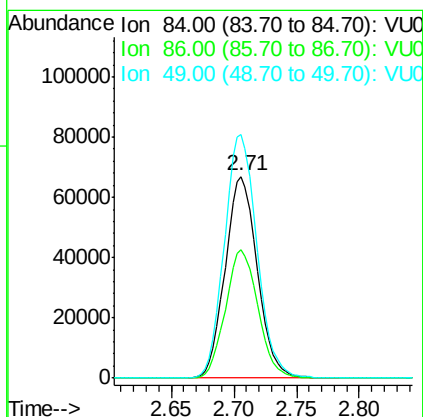
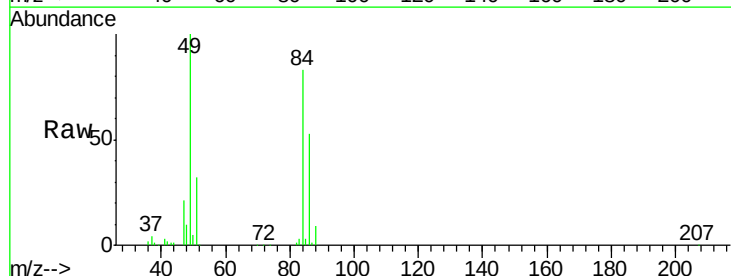
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

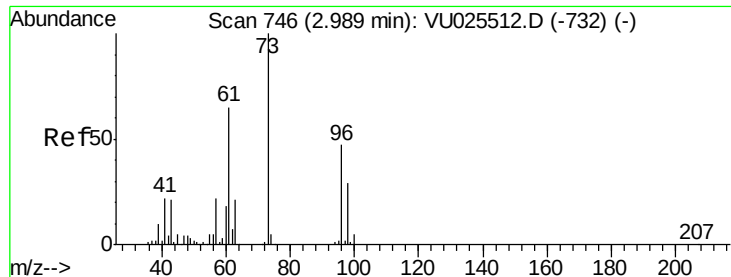
Tgt Ion: 43 Resp: 120161
Ion Ratio Lower Upper
43 100
74 23.3 17.8 26.8



#16
Methylene chloride
Concen: 53.518 ug/L
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025526.D
Acq: 19 Jul 2018 17:00

Tgt Ion: 84 Resp: 119430
Ion Ratio Lower Upper
84 100
86 63.9 46.3 85.9
49 120.6 87.9 163.3





#17

trans-1,2-Dichloroethene

Concen: 49.242 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

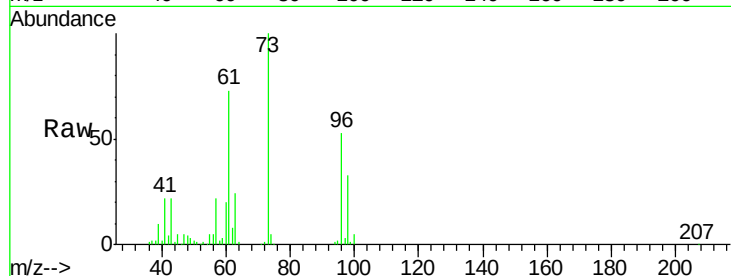
Tgt Ion: 96 Resp: 99390

Ion Ratio Lower Upper

96 100

61 138.2 103.6 192.4

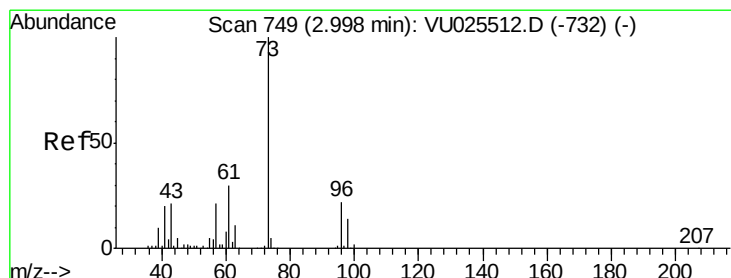
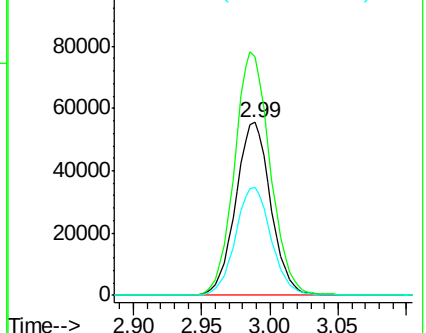
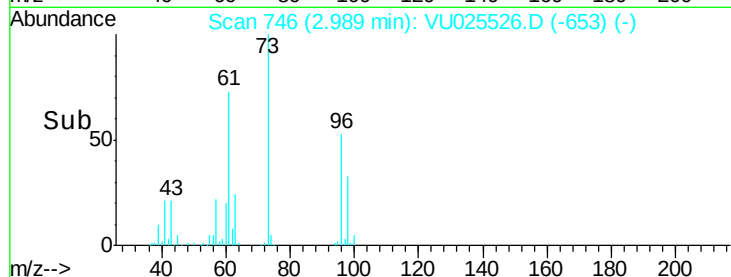
98 62.6 44.8 83.2



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: 49.636 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

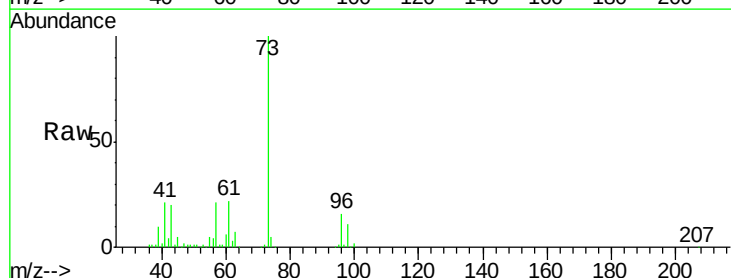
Tgt Ion: 73 Resp: 354982

Ion Ratio Lower Upper

73 100

43 20.6 16.6 24.8

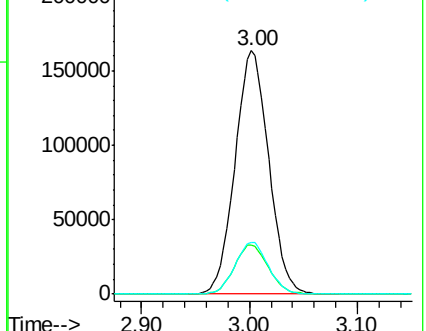
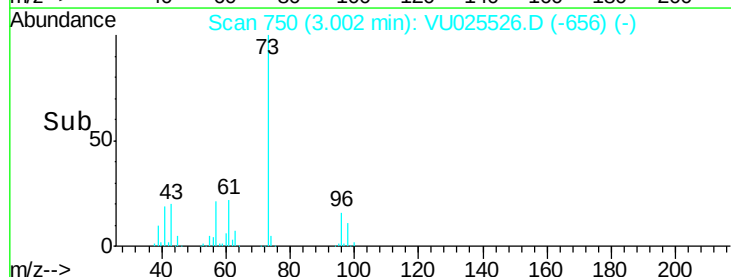
57 21.2 17.0 25.6

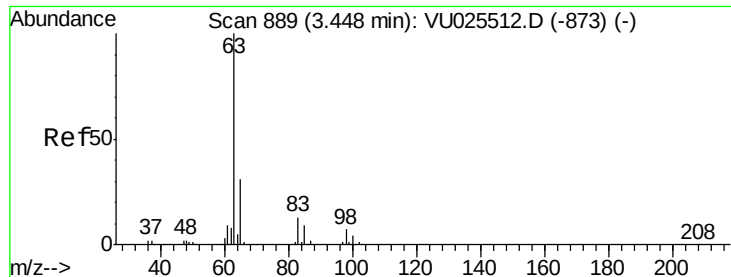


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

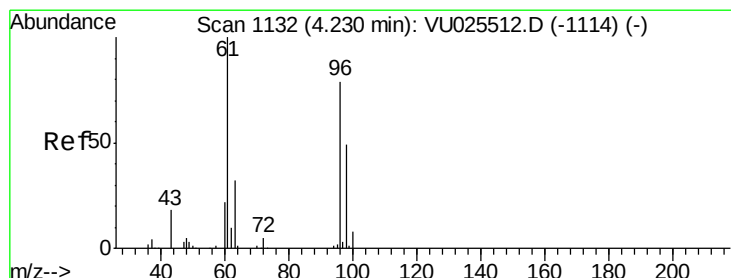
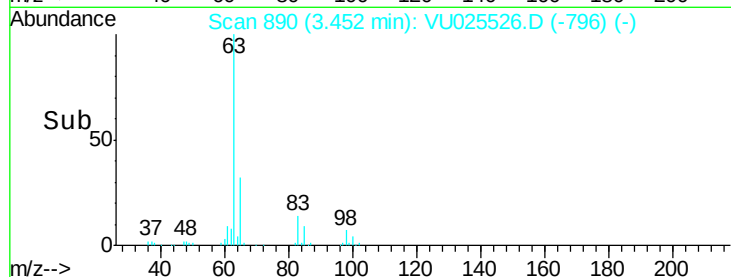
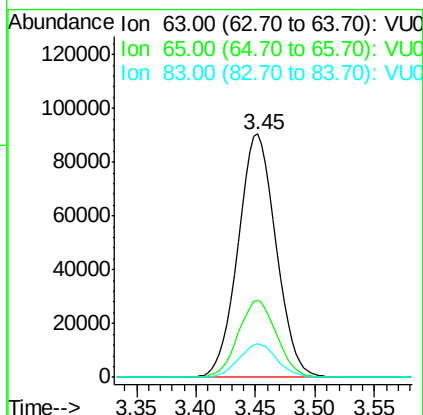
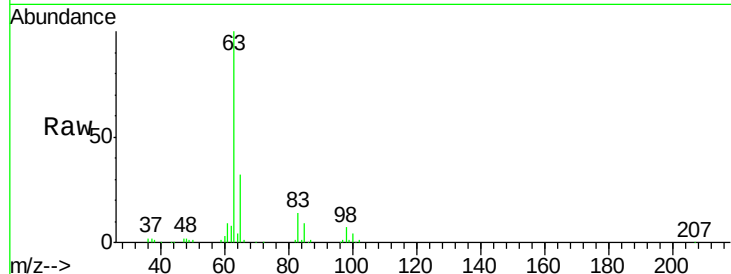




#19
 1,1-Dichloroethane
 Concen: 49.596 ug/L
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU025526.D
 Acq: 19 Jul 2018 17:00

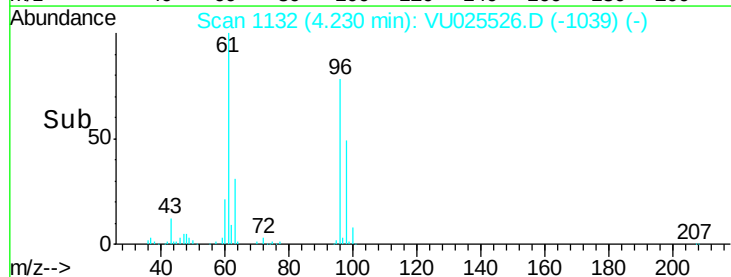
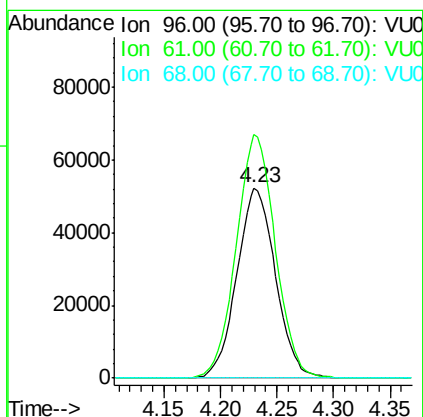
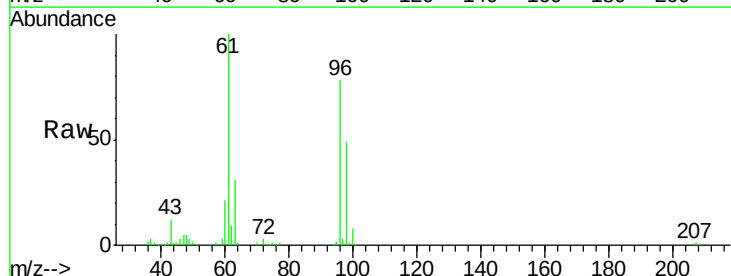
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

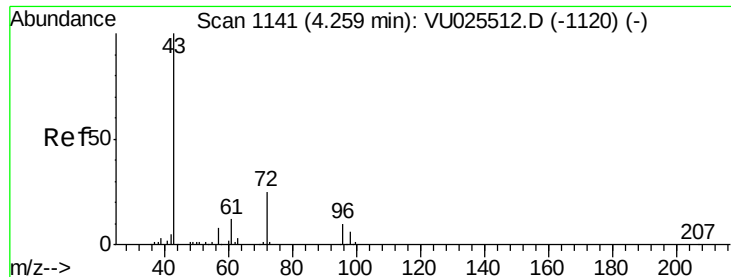
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.7	42.1
83	13.8	9.9	18.3



#20
 cis-1,2-Dichloroethene
 Concen: 50.229 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025526.D
 Acq: 19 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.0	91.7	170.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 102.870 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

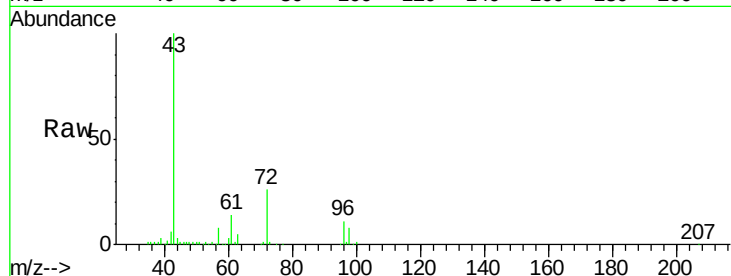
VSTD05052

Tgt Ion: 43 Resp: 195344

Ion Ratio Lower Upper

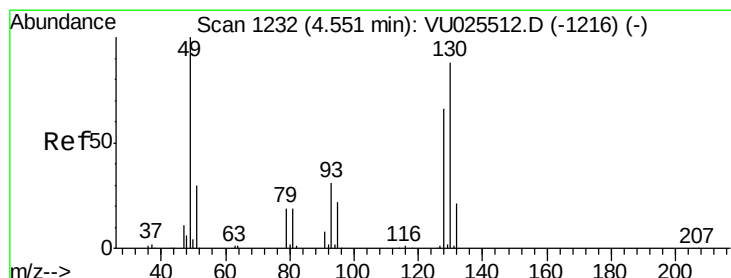
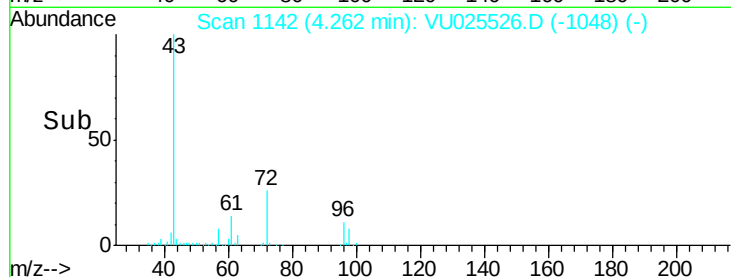
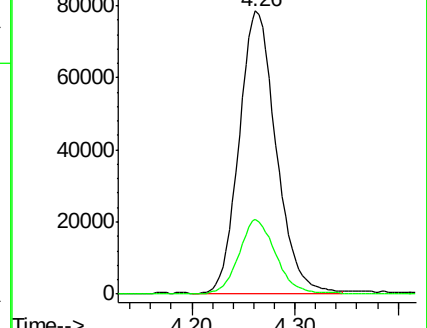
43 100

72 26.4 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU025526.D (-1142) (-)

Ion 72.00 (71.70 to 72.70): VU025526.D (-1142) (-)



#23

Bromochloromethane

Concen: 52.623 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Tgt Ion: 128 Resp: 65180

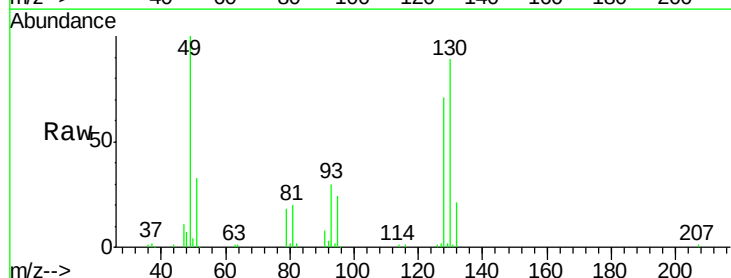
Ion Ratio Lower Upper

128 100

49 140.2 103.0 191.2

130 124.5 88.5 164.3

51 45.7 38.7 58.1

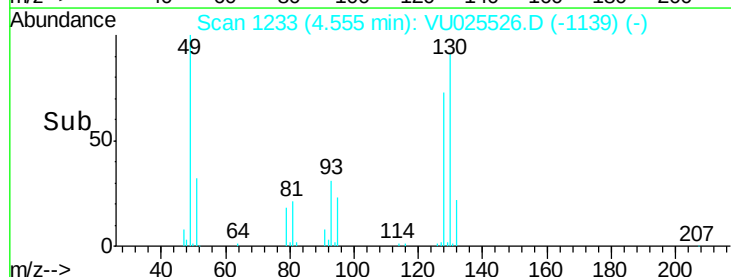
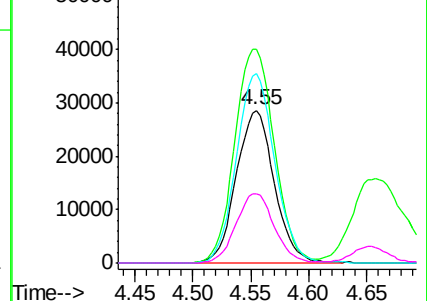


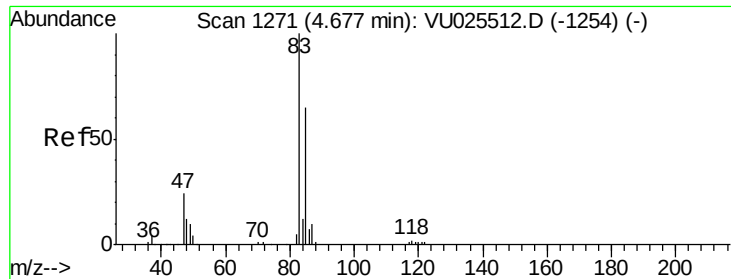
Abundance Ion 128.00 (127.70 to 128.70): VU025526.D (-1233) (-)

Ion 49.00 (48.70 to 49.70): VU025526.D (-1233) (-)

Ion 130.00 (129.70 to 130.70): VU025526.D (-1233) (-)

Ion 51.00 (50.70 to 51.70): VU025526.D (-1233) (-)





#25

Chloroform

Concen: 49.881 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

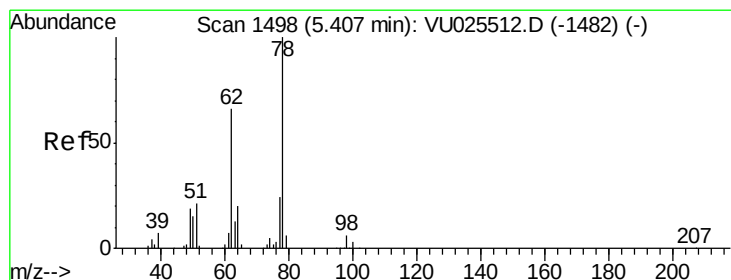
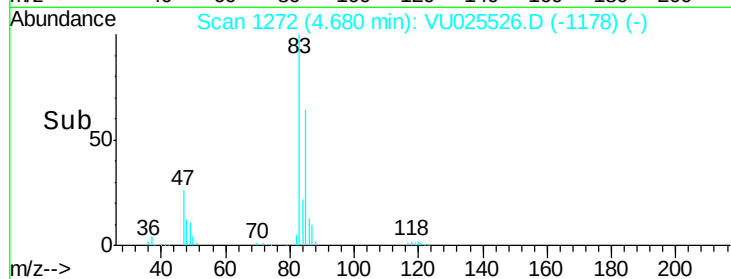
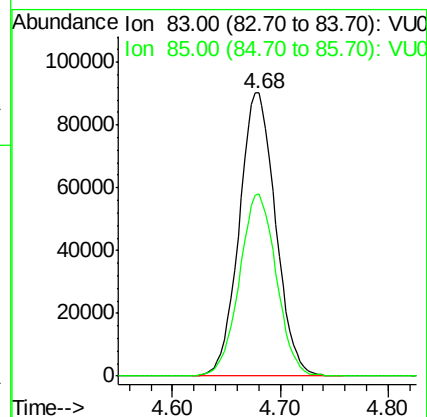
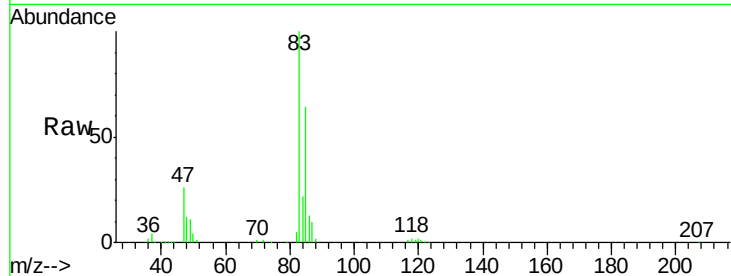
VSTD05052

Tgt Ion: 83 Resp: 211631

Ion Ratio Lower Upper

83 100

85 64.4 47.2 87.6



#27

1,2-Dichloroethane

Concen: 50.011 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025526.D

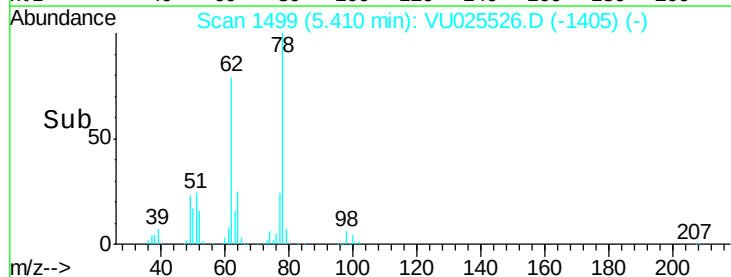
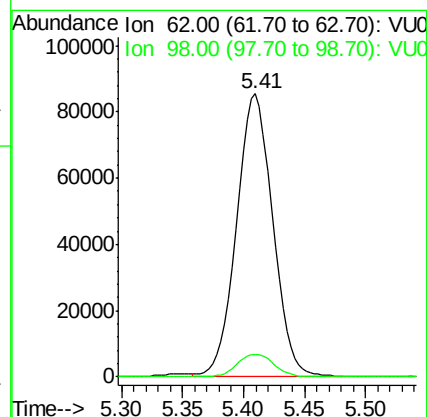
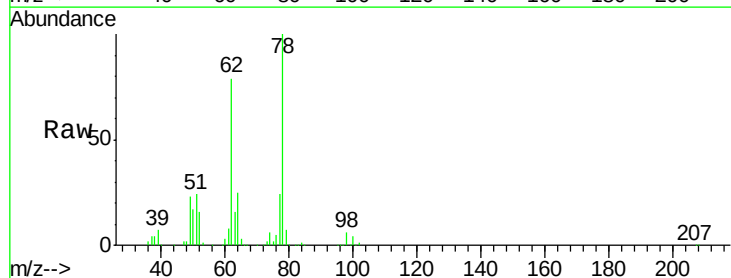
Acq: 19 Jul 2018 17:00

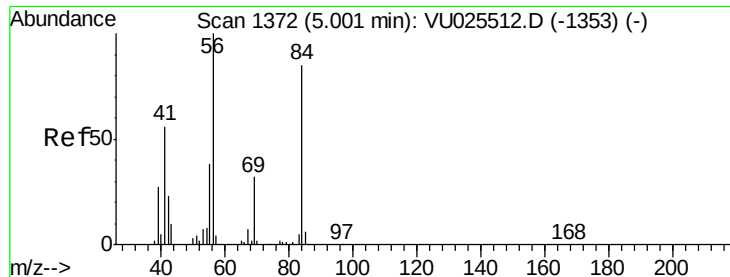
Tgt Ion: 62 Resp: 176205

Ion Ratio Lower Upper

62 100

98 8.0 6.5 9.7

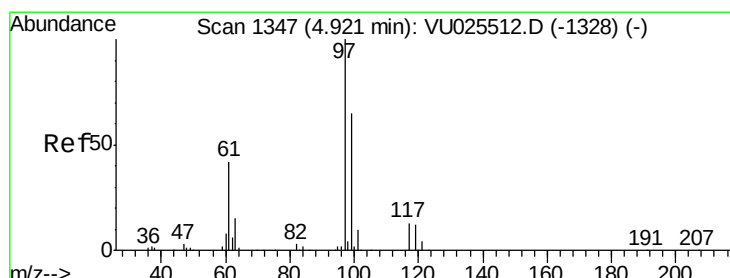
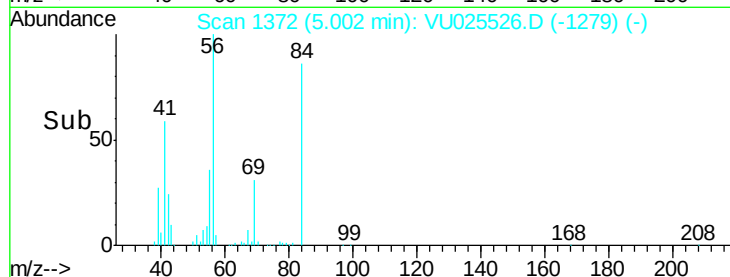
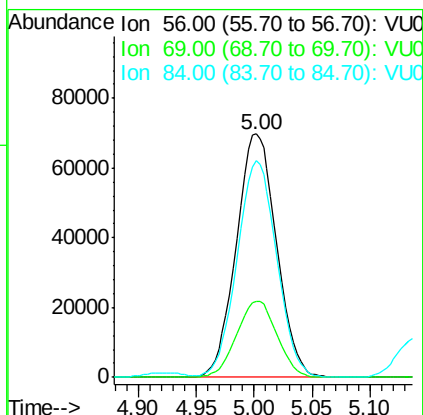
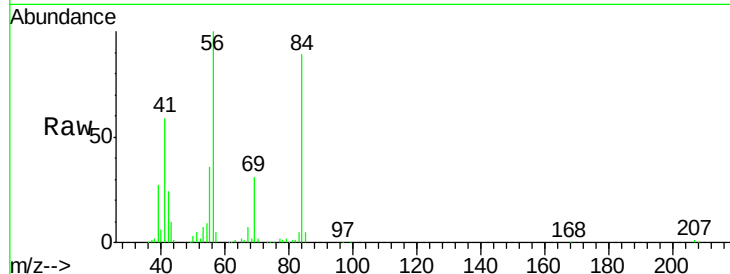




#29
Cyclohexane
Concen: 49.987 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025526.D
Acq: 19 Jul 2018 17:00

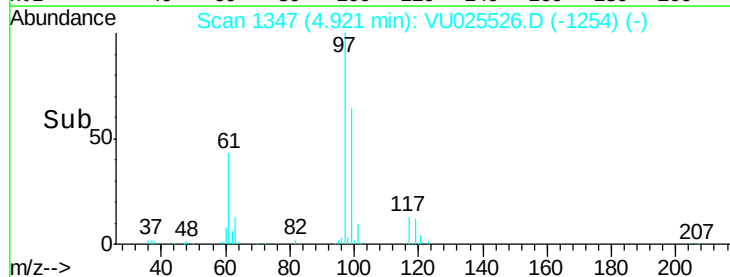
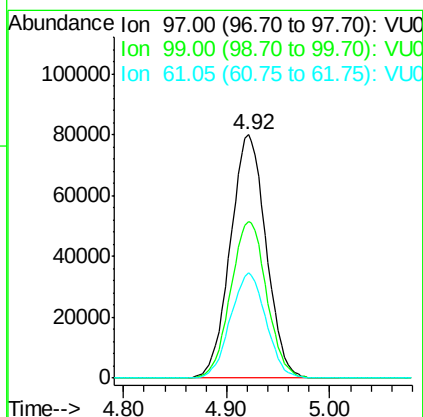
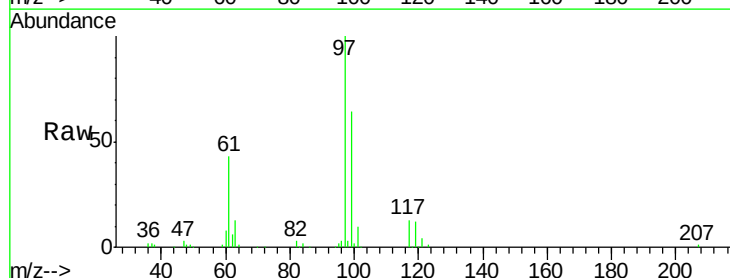
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

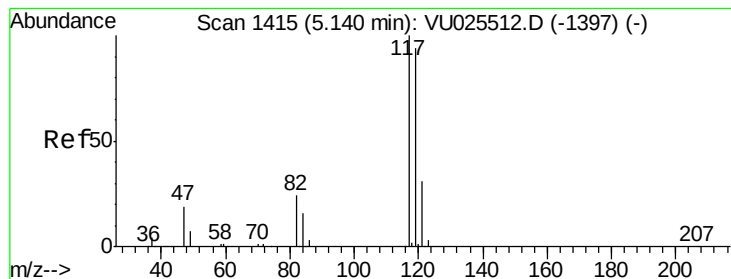
Tgt Ion: 56 Resp: 168323
Ion Ratio Lower Upper
56 100
69 31.5 25.0 37.4
84 87.8 70.3 105.5



#30
1,1,1-Trichloroethane
Concen: 49.482 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025526.D
Acq: 19 Jul 2018 17:00

Tgt Ion: 97 Resp: 192554
Ion Ratio Lower Upper
97 100
99 64.7 51.5 77.3
61 43.0 34.1 51.1





#31

Carbon tetrachloride

Concen: 50.294 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

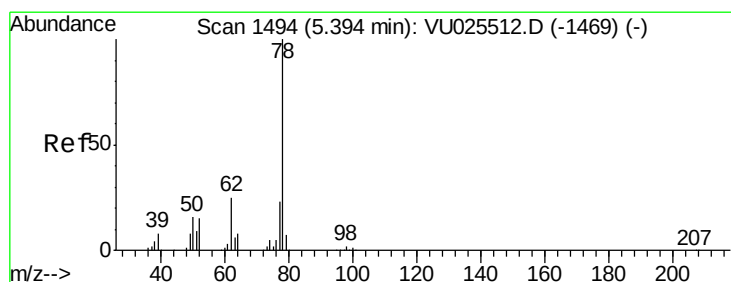
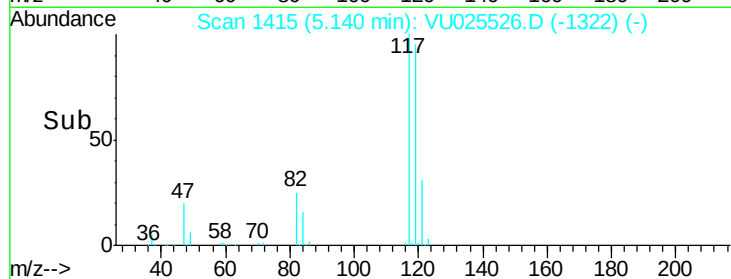
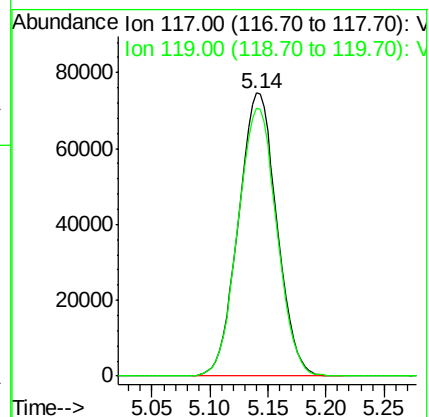
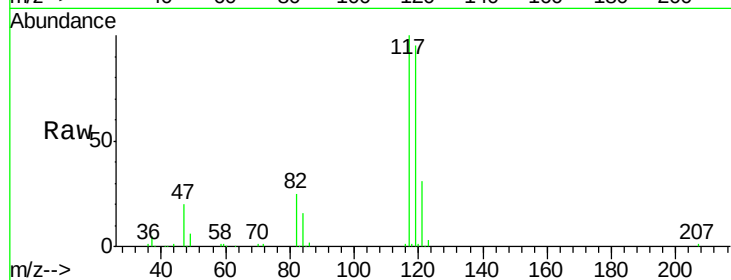
VSTD05052

Tgt Ion:117 Resp: 171935

Ion Ratio Lower Upper

117 100

119 95.8 77.1 115.7



#33

Benzene

Concen: 49.561 ug/L

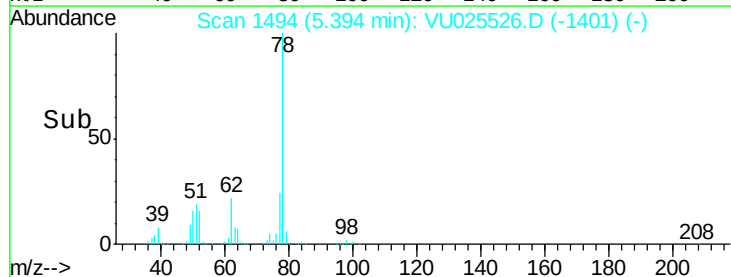
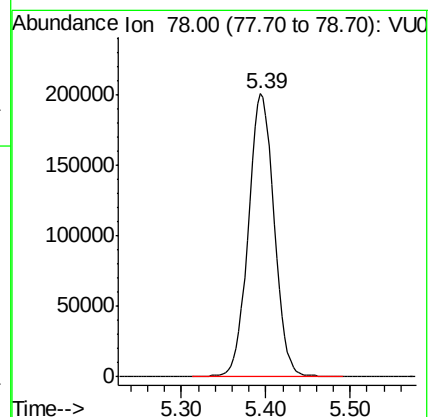
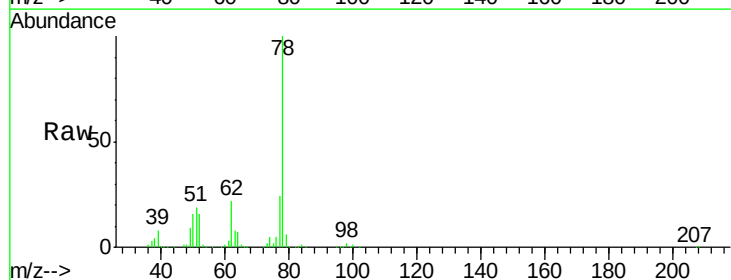
RT: 5.39 min Scan# 1494

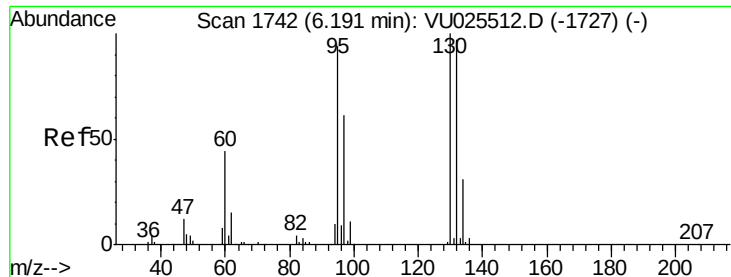
Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Tgt Ion: 78 Resp: 428751

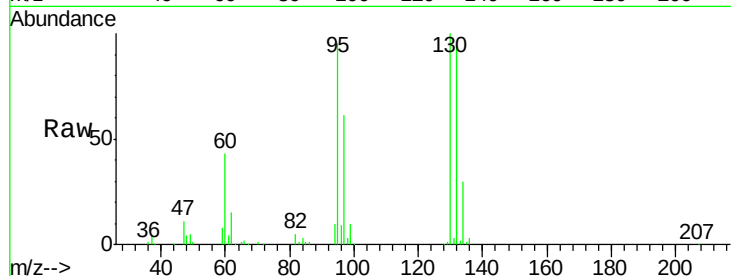




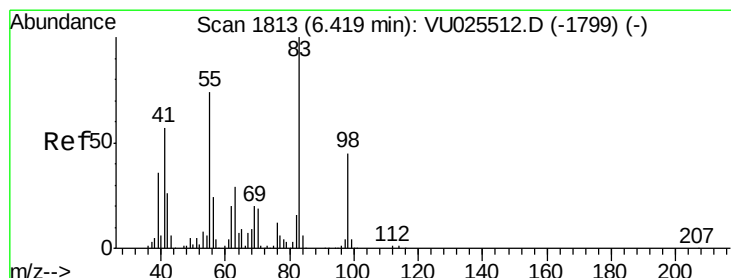
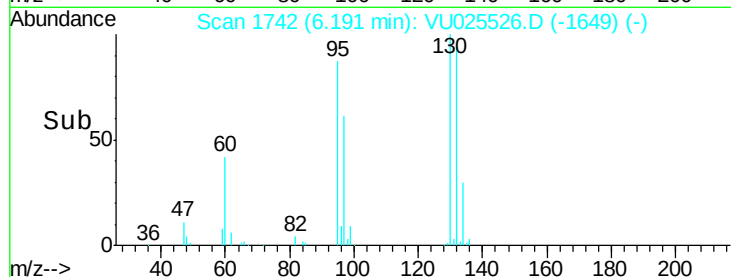
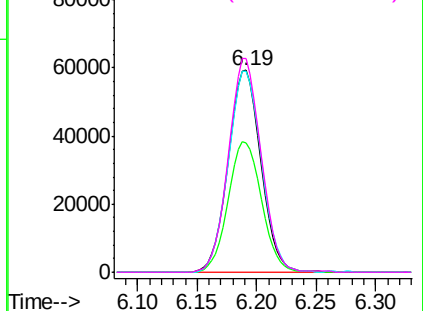
#34
 Trichloroethene
 Concen: 49.475 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025526.D
 Acq: 19 Jul 2018 17:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion:	95	Resp:	113301
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.9	85.3
132	99.7	68.2	126.6
130	105.8	71.8	133.4

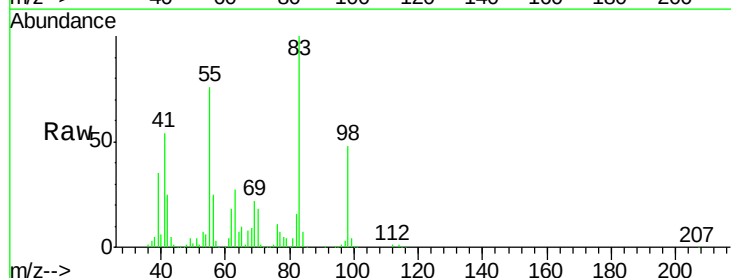


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

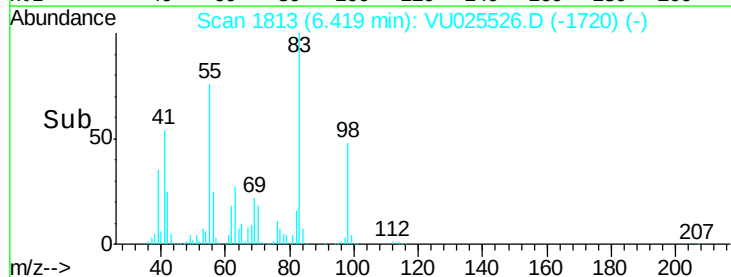
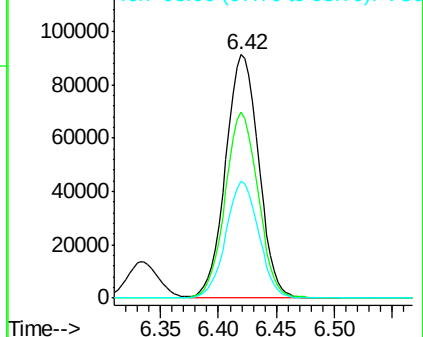


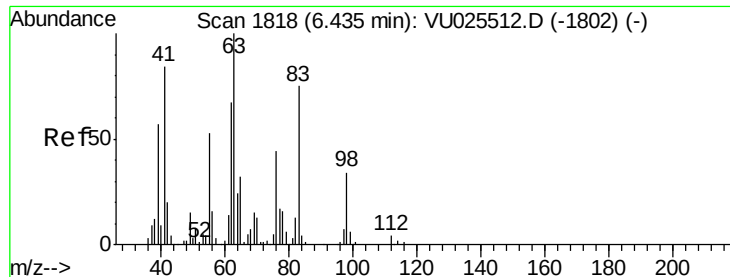
#35
 Methylcyclohexane
 Concen: 52.036 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025526.D
 Acq: 19 Jul 2018 17:00

Tgt Ion:	83	Resp:	180926
Ion	Ratio	Lower	Upper
83	100		
55	75.9	61.8	92.8
98	47.3	38.7	58.1



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

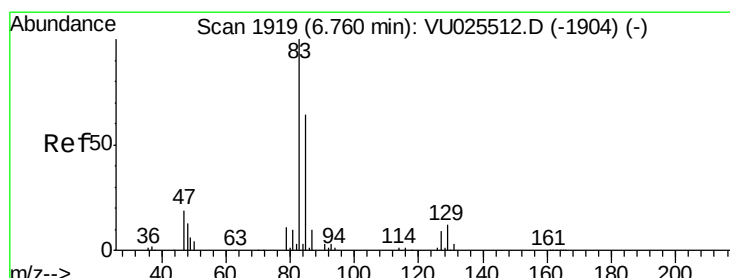
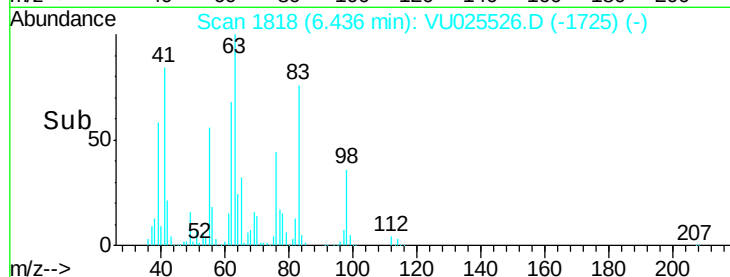
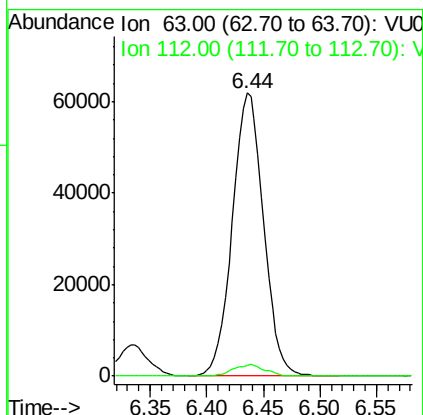
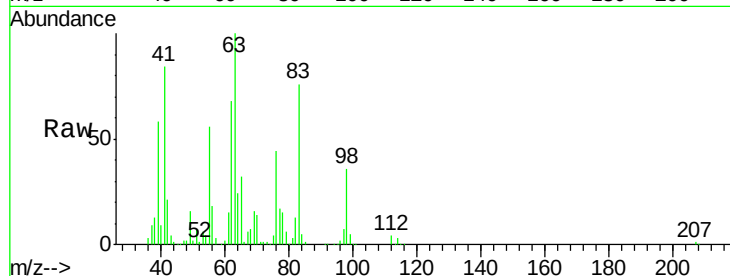




#37
 1,2-Dichloropropane
 Concen: 49.833 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025526.D
 Acq: 19 Jul 2018 17:00

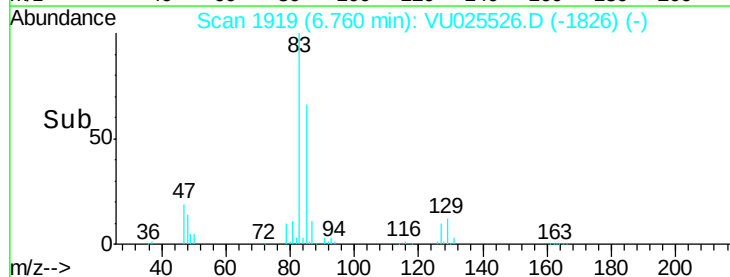
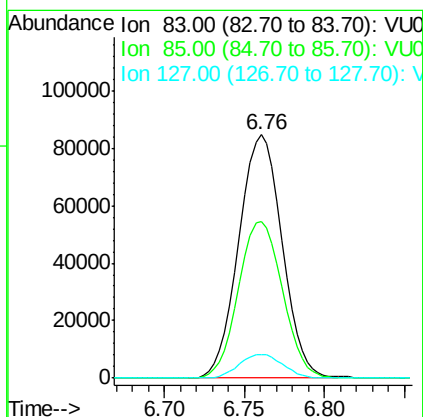
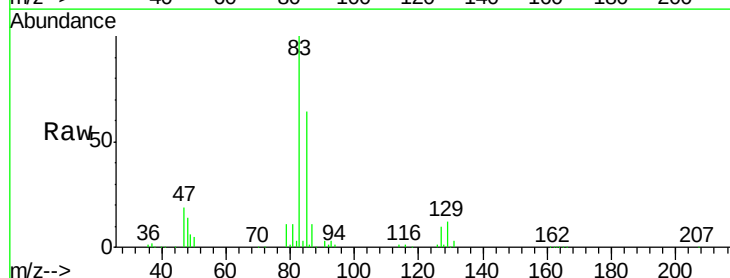
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

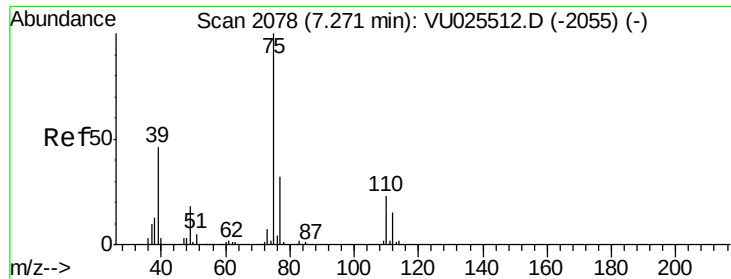
Tgt Ion: 63 Resp: 118925
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 48.836 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025526.D
 Acq: 19 Jul 2018 17:00

Tgt Ion: 83 Resp: 157362
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.8 85.2
 127 9.8 7.3 10.9

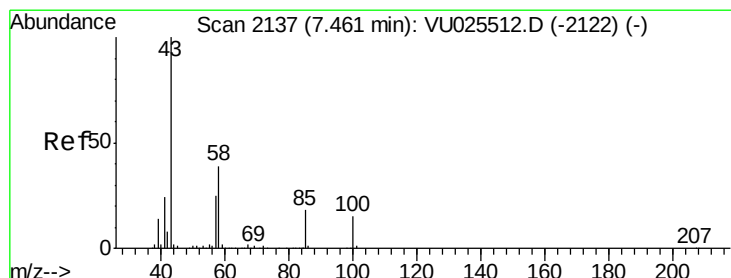
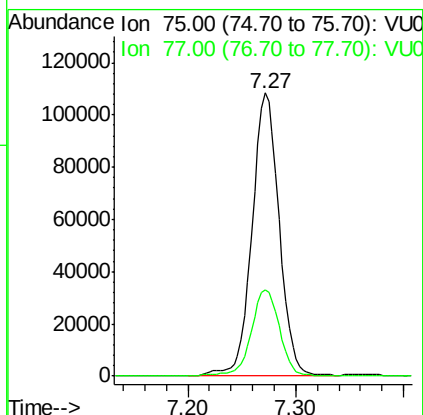
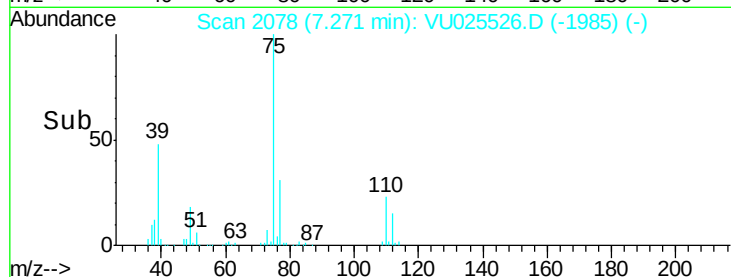
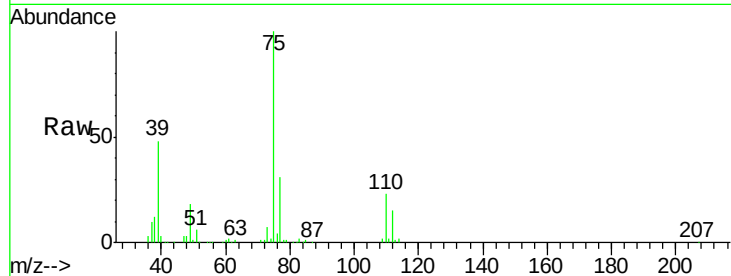




#39
 cis-1,3-Dichloropropene
 Concen: 51.220 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025526.D
 Acq: 19 Jul 2018 17:00

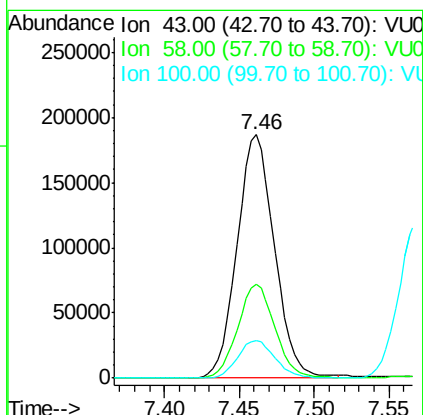
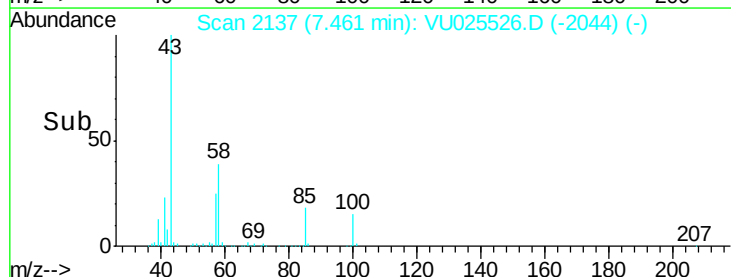
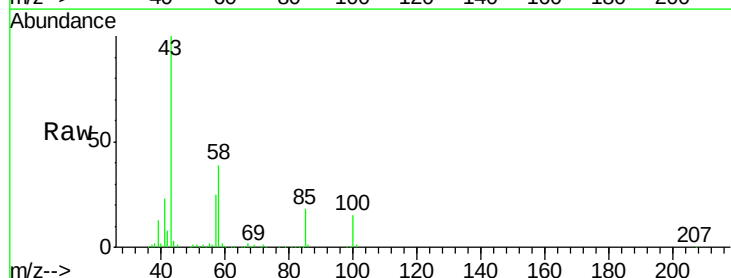
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

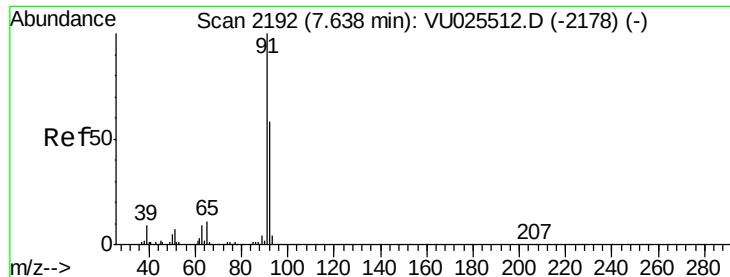
Tgt Ion: 75 Resp: 189389
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 93.968 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025526.D
 Acq: 19 Jul 2018 17:00

Tgt Ion: 43 Resp: 325236
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.9 46.3
 100 15.4 12.4 18.6





#42

Toluene

Concen: 50.561 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

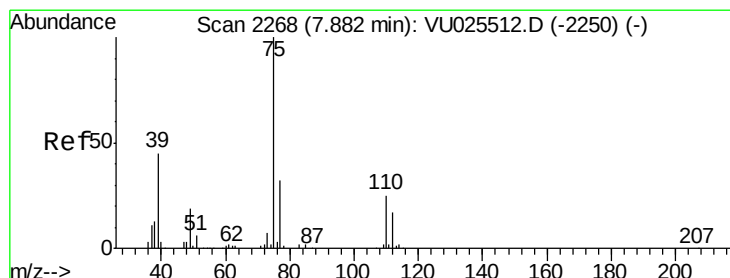
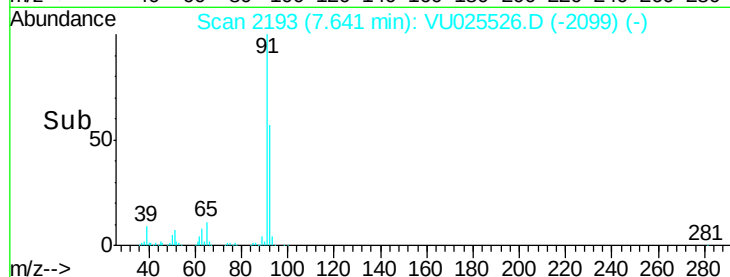
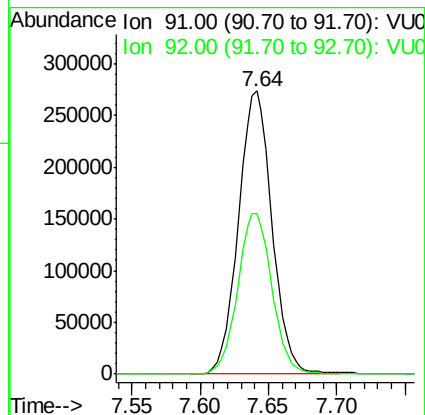
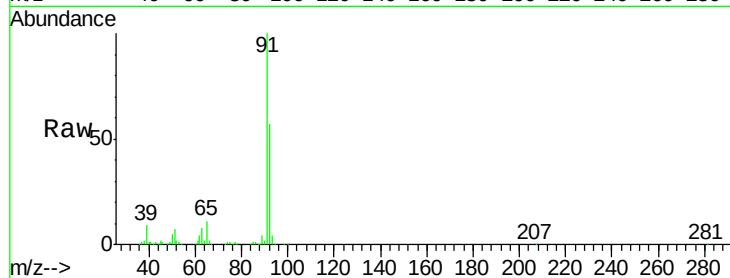
VSTD05052

Tgt Ion: 91 Resp: 466390

Ion Ratio Lower Upper

91 100

92 56.6 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 50.237 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025526.D

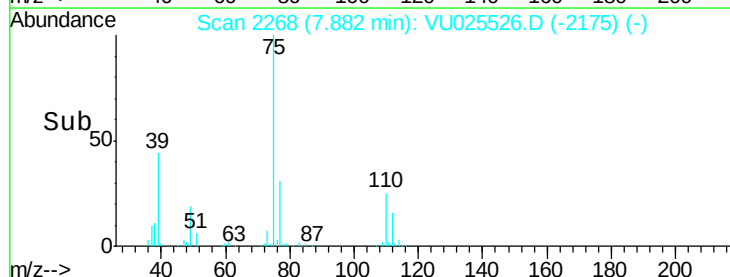
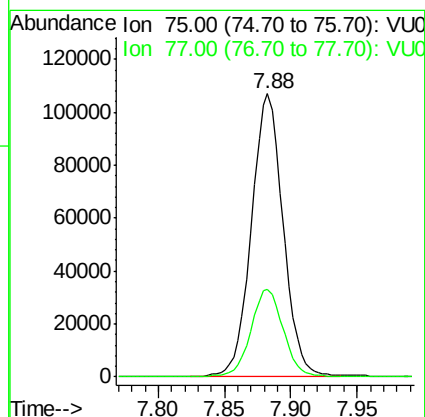
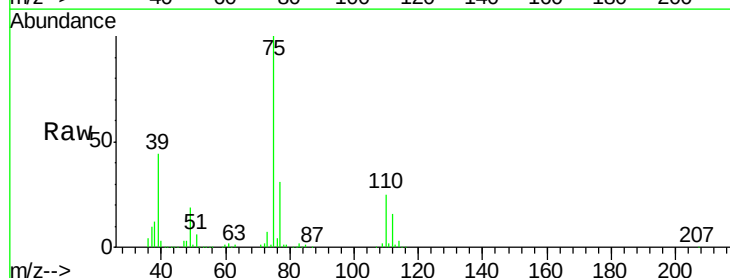
Acq: 19 Jul 2018 17:00

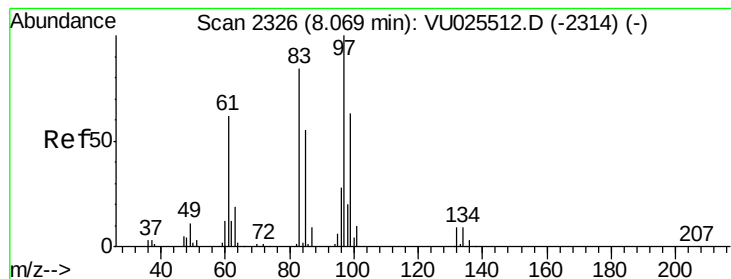
Tgt Ion: 75 Resp: 178324

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 51.444 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

Tgt Ion: 97 Resp: 116399

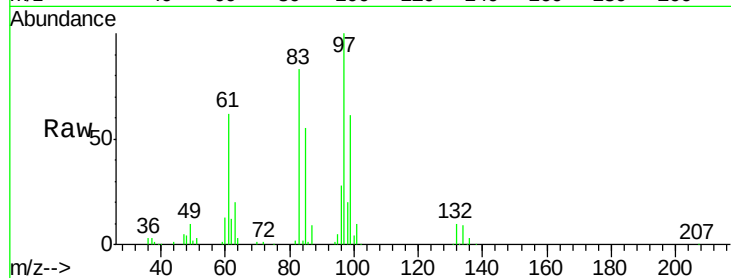
Ion Ratio Lower Upper

97 100

99 61.3 44.7 83.1

83 83.3 62.0 115.2

85 54.6 39.6 73.6

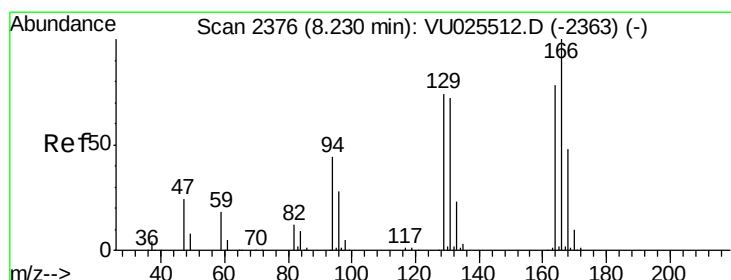
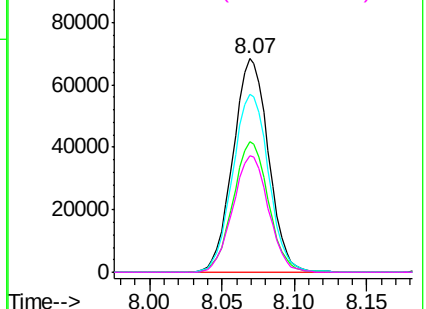
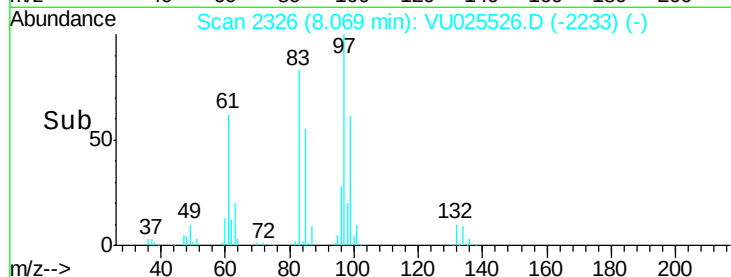


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 50.997 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Tgt Ion: 164 Resp: 97426

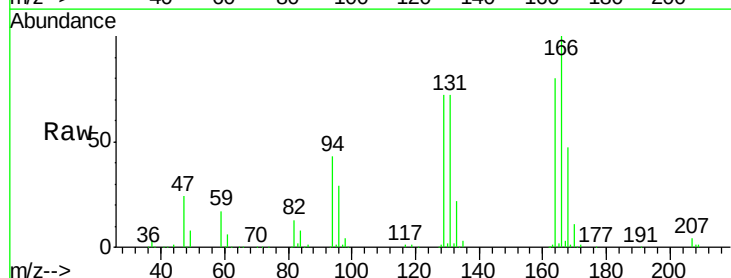
Ion Ratio Lower Upper

164 100

129 90.4 66.5 123.5

131 89.8 63.7 118.3

166 125.2 90.8 168.6

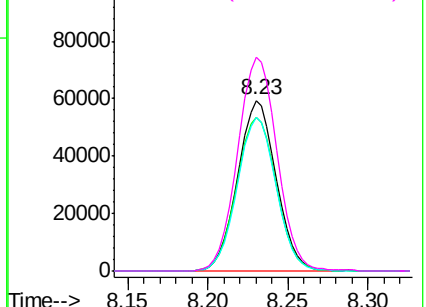
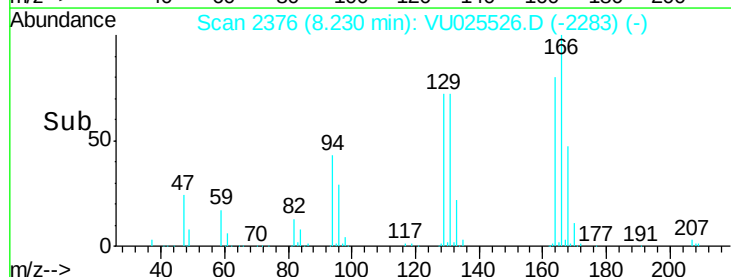


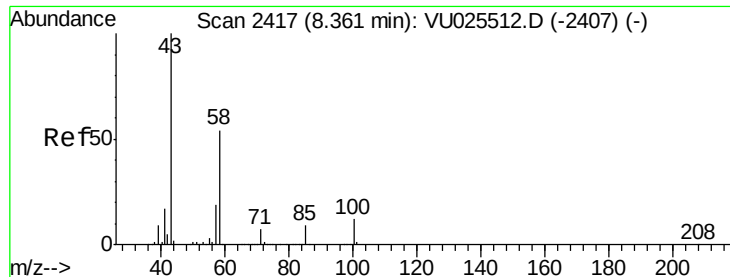
Abundance Ion 164.00 (163.70 to 164.70): V

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

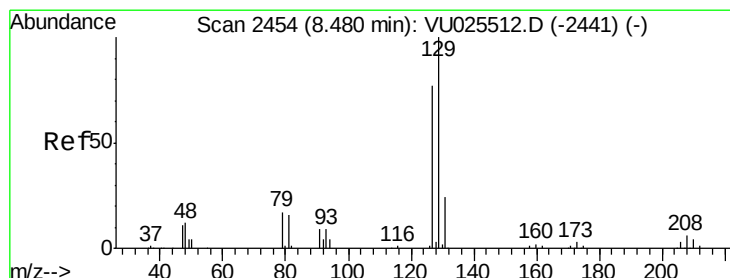
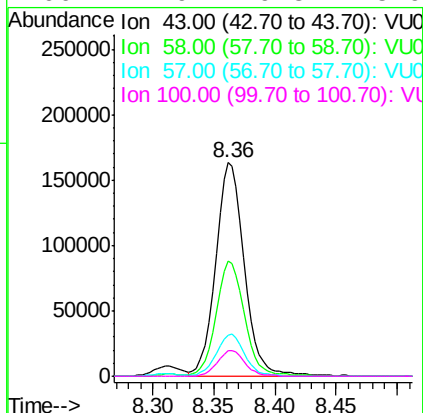
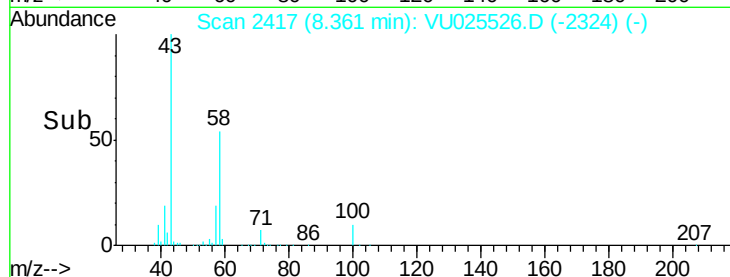
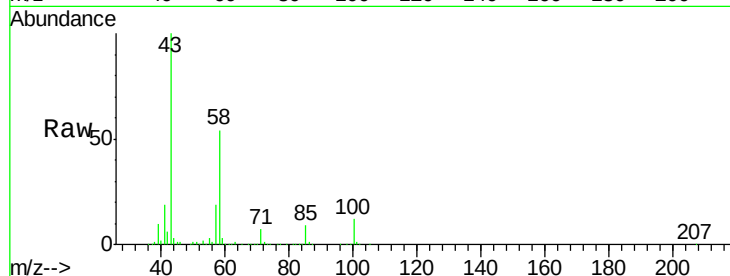




#48
2-Hexanone
Concen: 97.038 ug/L
RT: 8.36 min Scan# 2417
Delta R.T. 0.00 min
Lab File: VU025526.D
Acq: 19 Jul 2018 17:00

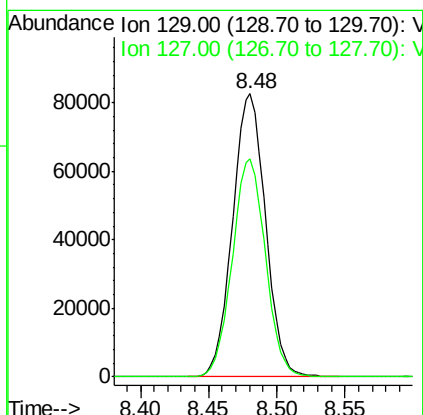
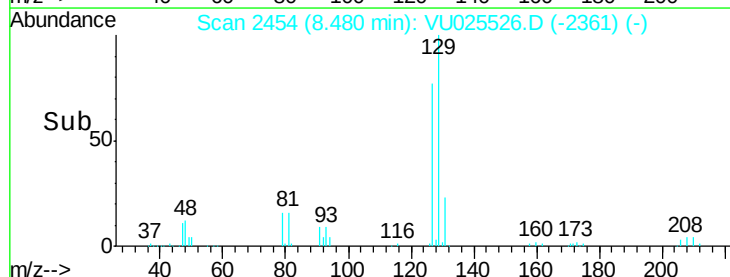
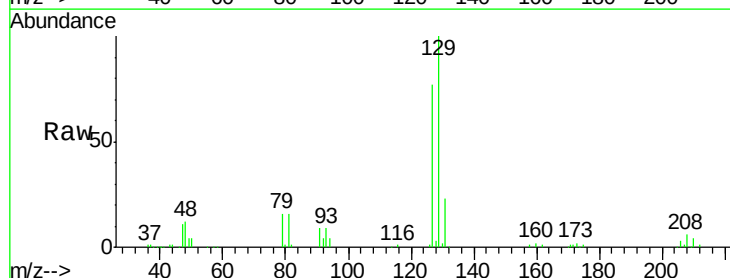
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

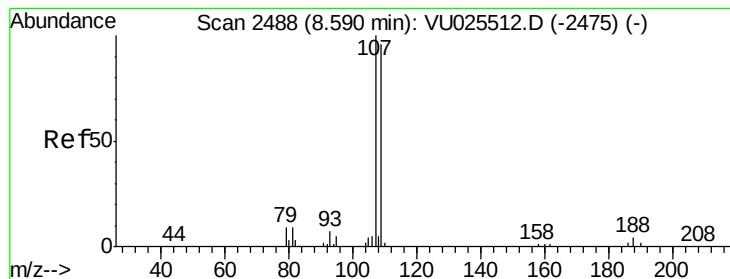
Tgt Ion:	43	Resp:	268337
Ion	Ratio	Lower	Upper
43	100		
58	54.3	42.3	63.5
57	19.9	15.6	23.4
100	11.9	9.3	13.9



#49
Dibromochloromethane
Concen: 50.738 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025526.D
Acq: 19 Jul 2018 17:00

Tgt Ion:	129	Resp:	138975
Ion	Ratio	Lower	Upper
129	100		
127	76.9	52.4	97.2





#50

1,2-Dibromoethane

Concen: 50.058 ug/L

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

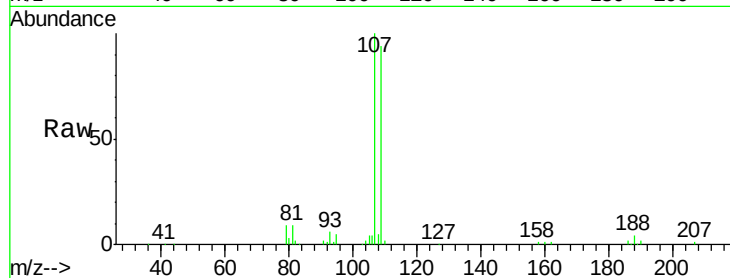
Tgt Ion:107 Resp: 125015

Ion Ratio Lower Upper

107 100

109 94.0 66.5 123.5

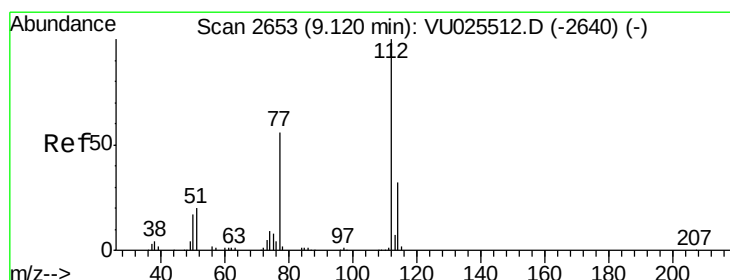
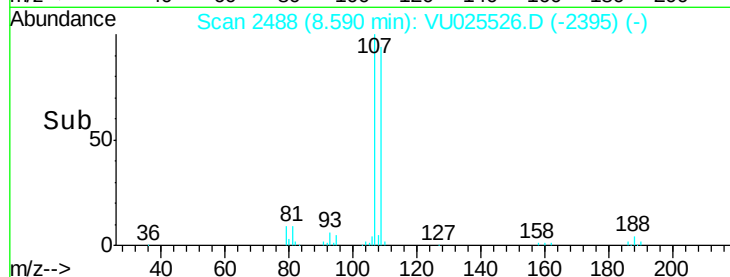
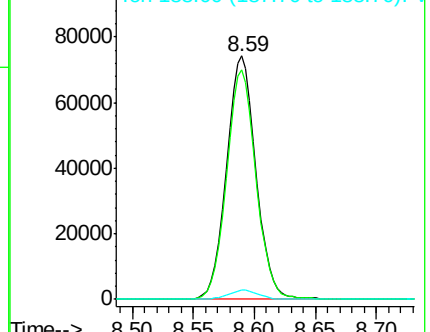
188 3.9 3.4 5.0



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: 50.833 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

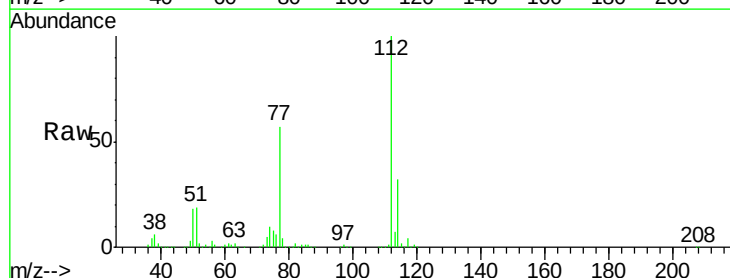
Tgt Ion:112 Resp: 314621

Ion Ratio Lower Upper

112 100

114 32.1 22.8 42.4

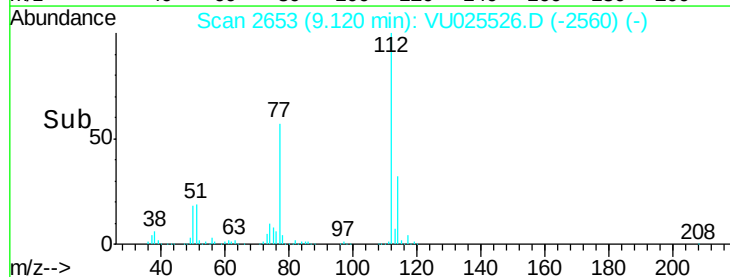
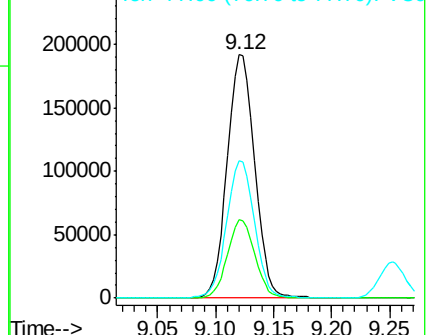
77 56.5 45.8 68.8

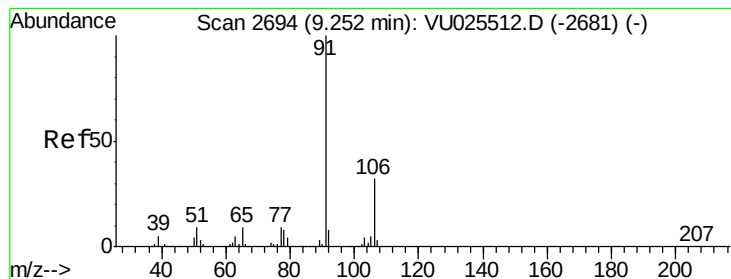


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 50.500 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

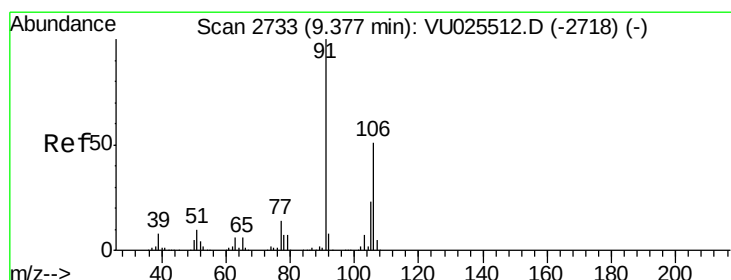
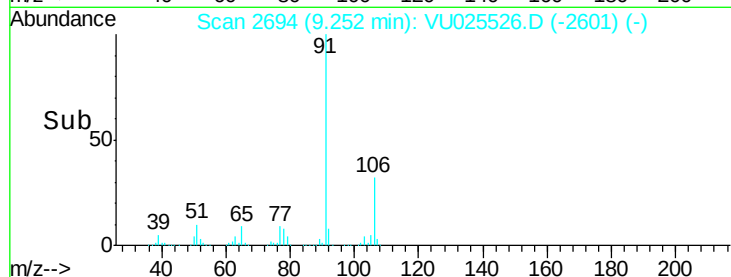
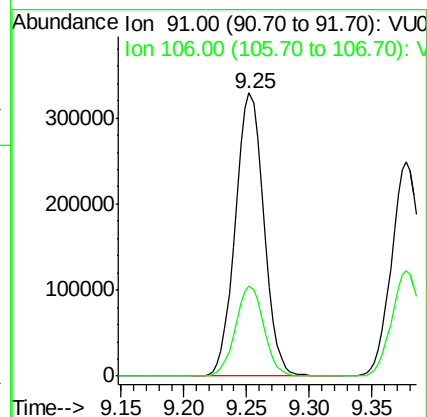
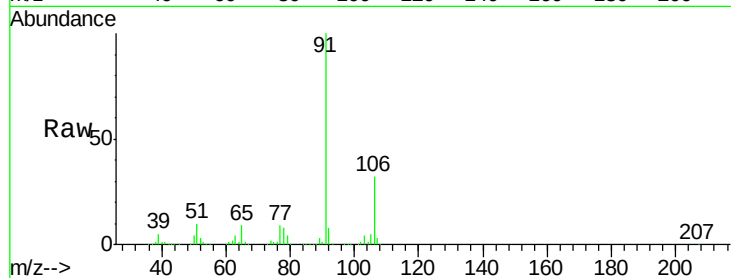
VSTD05052

Tgt Ion: 91 Resp: 519988

Ion Ratio Lower Upper

91 100

106 31.8 22.4 41.6



#53

m,p-Xylene

Concen: 51.103 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025526.D

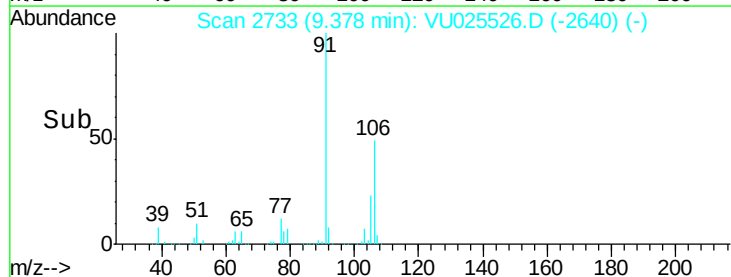
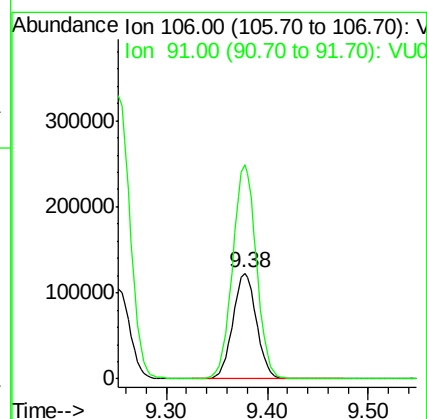
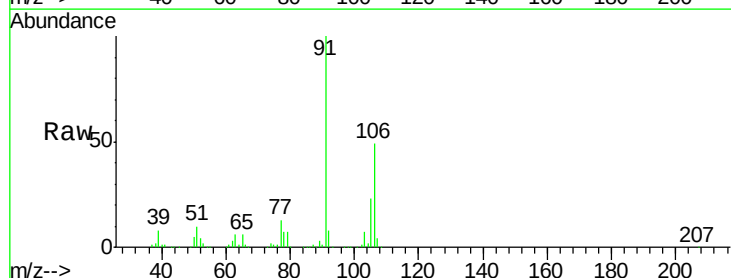
Acq: 19 Jul 2018 17:00

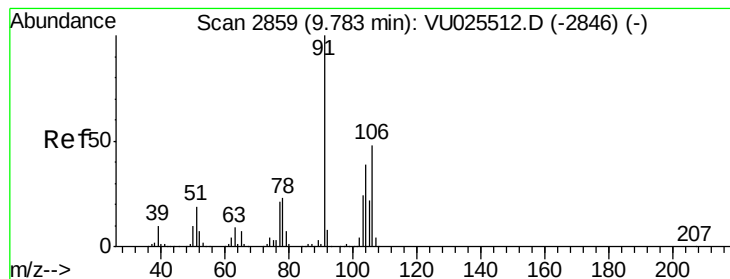
Tgt Ion: 106 Resp: 201685

Ion Ratio Lower Upper

106 100

91 202.4 138.6 257.4





#54

o-xylene

Concen: 51.351 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

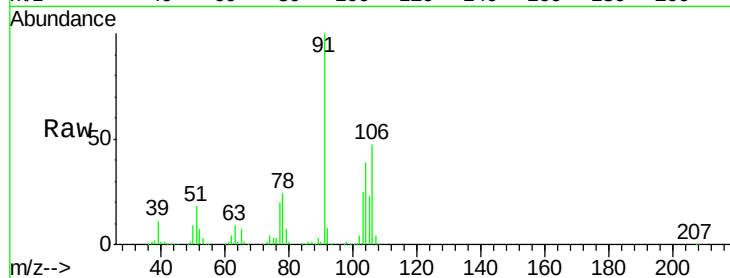
VSTD05052

Tgt Ion:106 Resp: 204454

Ion Ratio Lower Upper

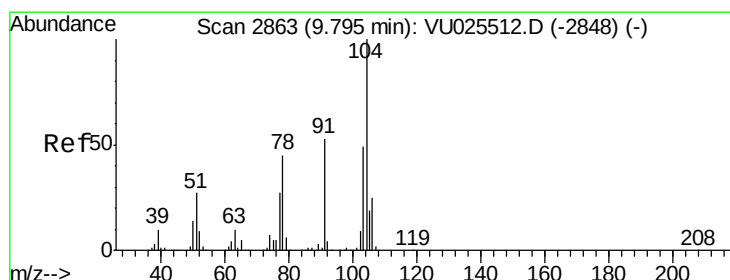
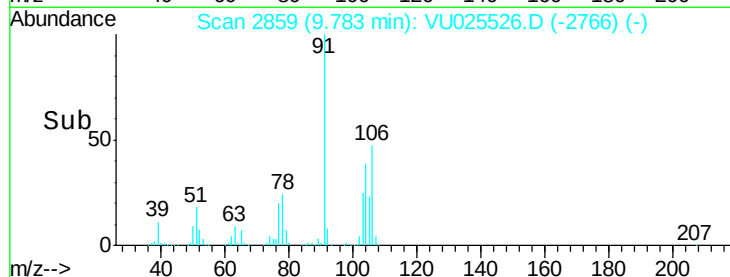
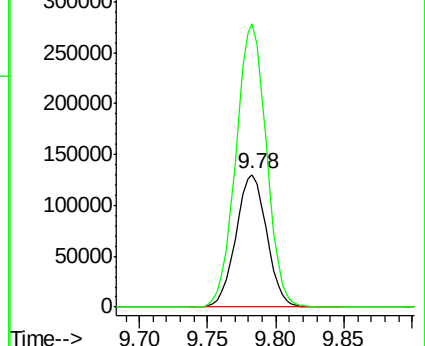
106 100

91 213.6 152.8 283.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.652 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025526.D

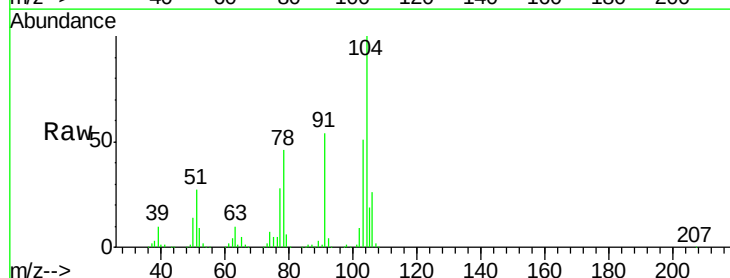
Acq: 19 Jul 2018 17:00

Tgt Ion:104 Resp: 339659

Ion Ratio Lower Upper

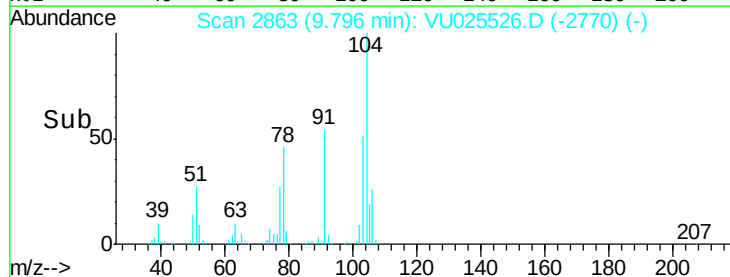
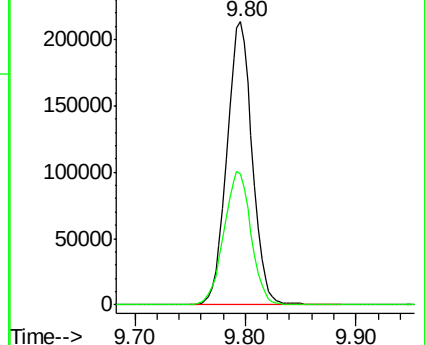
104 100

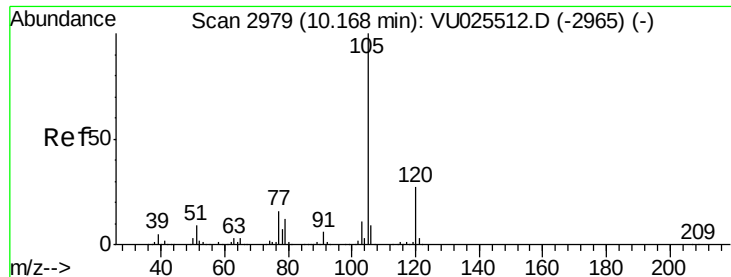
78 46.3 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.805 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

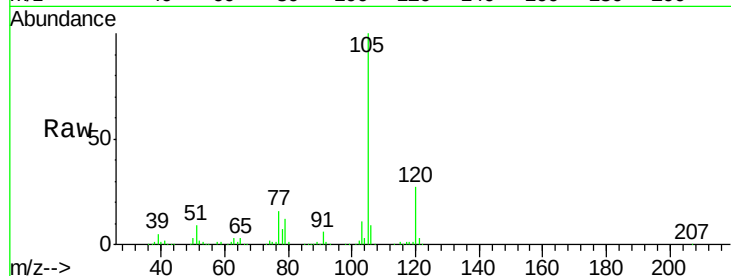
Tgt Ion: 105 Resp: 534154

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

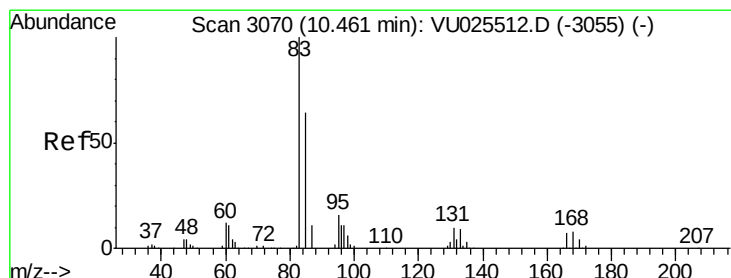
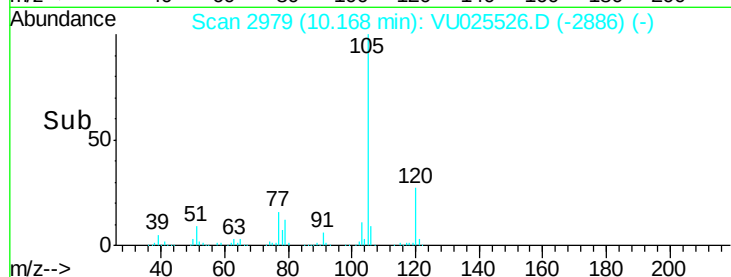
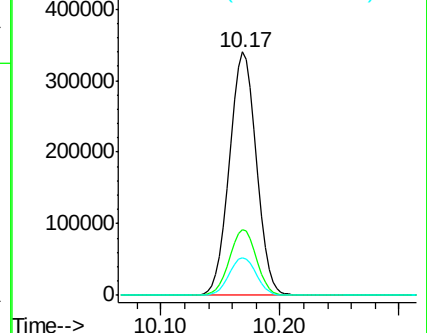
77 15.6 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.005 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

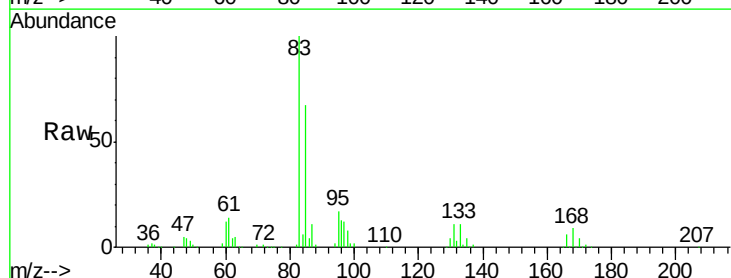
Tgt Ion: 83 Resp: 190900

Ion Ratio Lower Upper

83 100

85 67.2 44.9 83.5

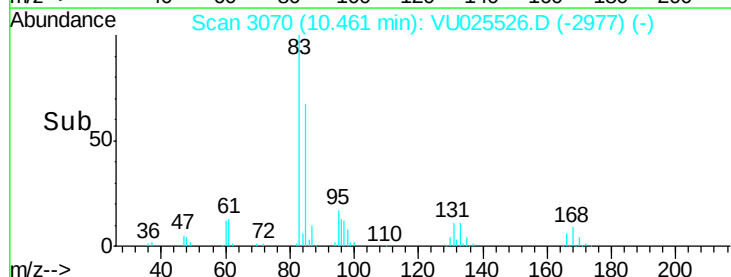
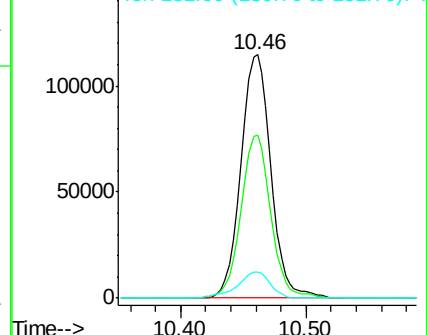
131 10.8 8.9 13.3

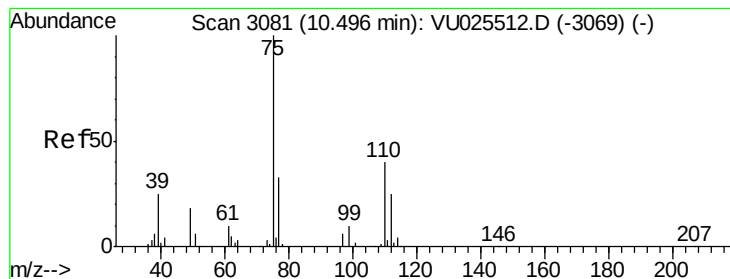


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.846 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

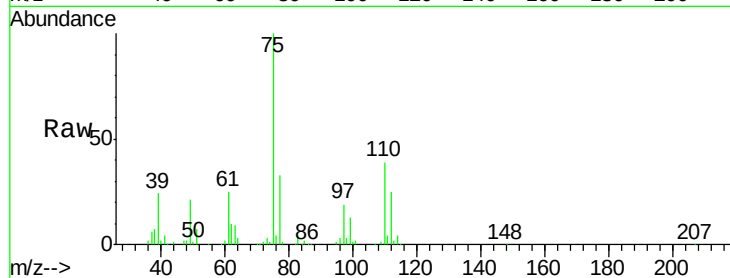
VSTD05052

Tgt Ion: 75 Resp: 151843

Ion Ratio Lower Upper

75 100

77 33.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU025512.D (-3069) (-)

Ion 77.00 (76.70 to 77.70): VU025512.D (-3069) (-)

10.50

80000

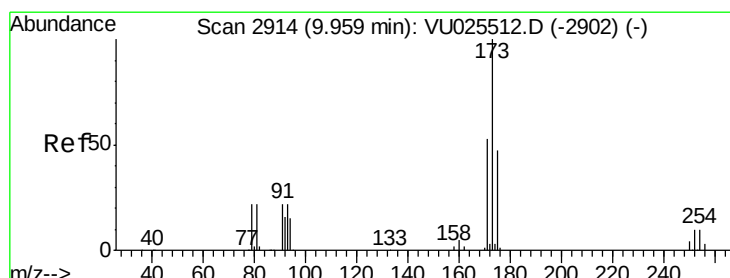
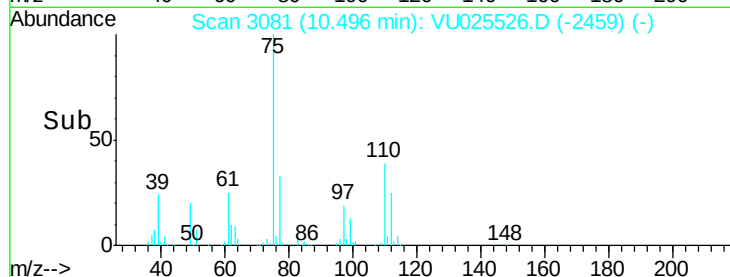
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 47.142 ug/L

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

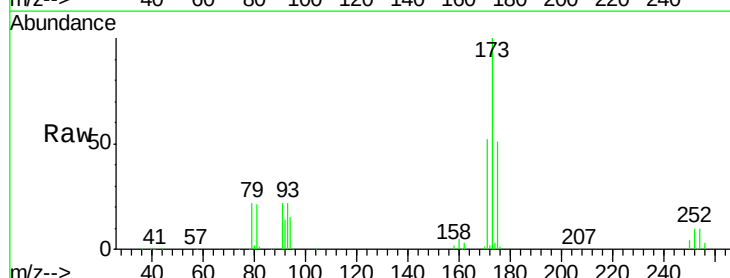
Tgt Ion: 173 Resp: 101757

Ion Ratio Lower Upper

173 100

175 49.8 39.1 58.7

254 9.7 7.3 10.9



Abundance Ion 173.00 (172.70 to 173.70): VU025512.D (-2902) (-)

Ion 175.00 (174.70 to 175.70): VU025512.D (-2902) (-)

Ion 254.00 (253.70 to 254.70): VU025512.D (-2902) (-)

9.96

80000

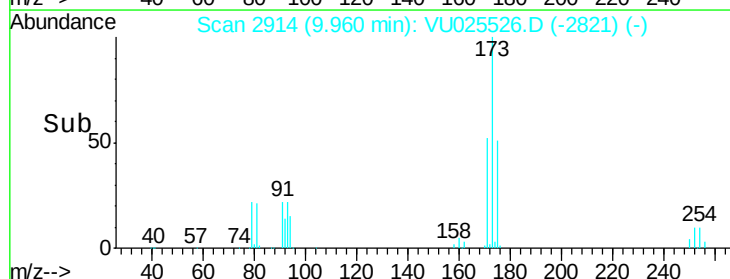
60000

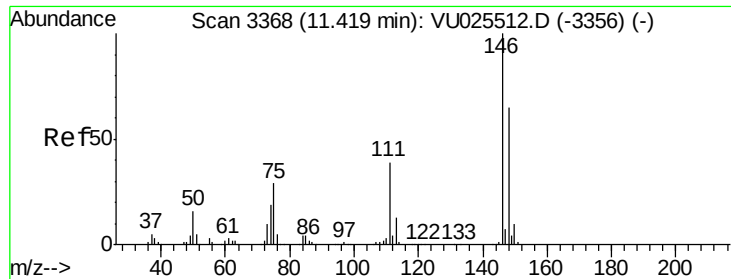
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.365 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

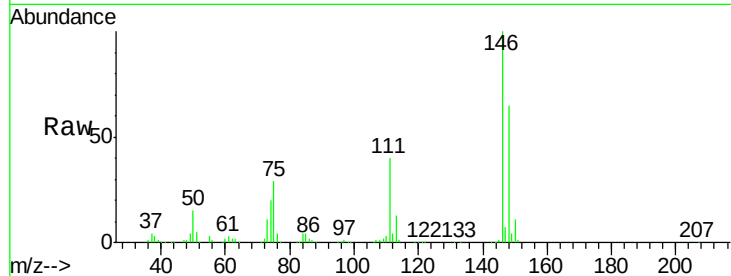
Tgt Ion:146 Resp: 250359

Ion Ratio Lower Upper

146 100

111 40.0 28.1 52.3

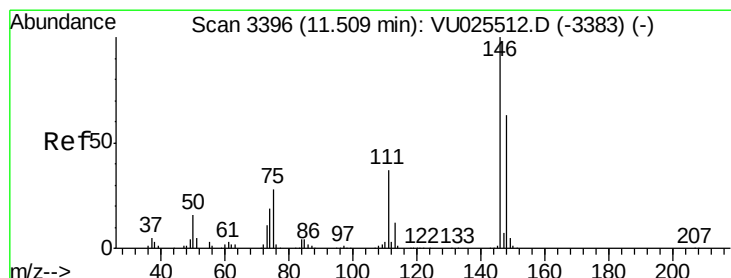
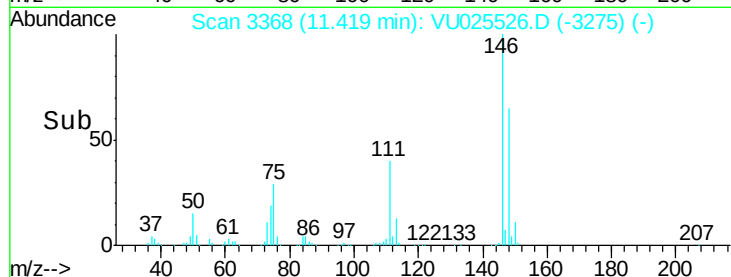
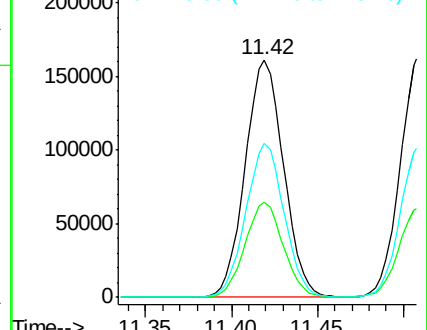
148 65.0 45.1 83.9



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: 49.977 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

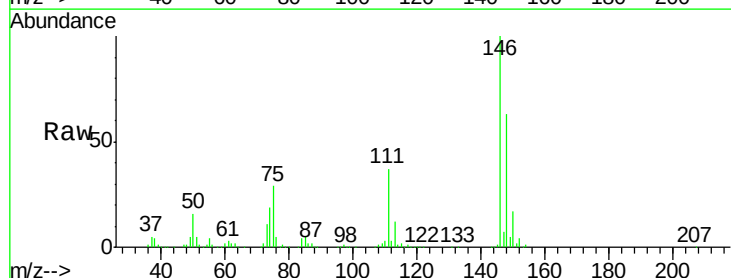
Tgt Ion:146 Resp: 256141

Ion Ratio Lower Upper

146 100

111 36.8 26.4 49.0

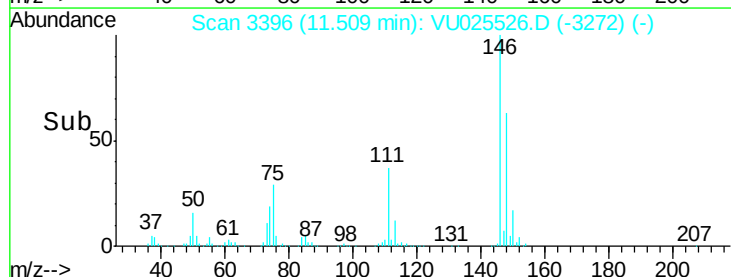
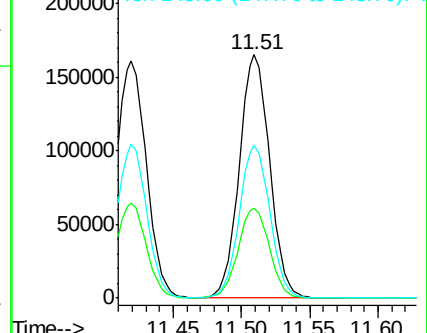
148 62.5 45.6 84.8

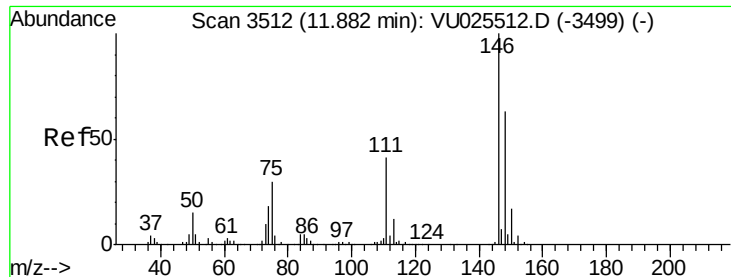


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

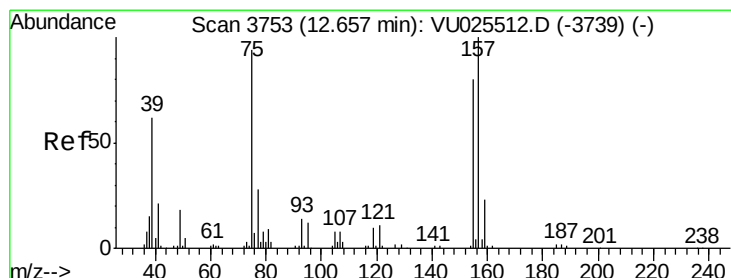
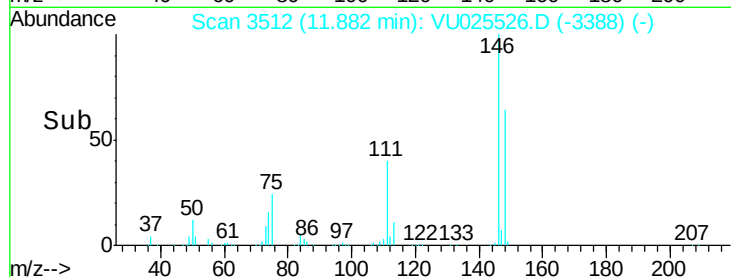
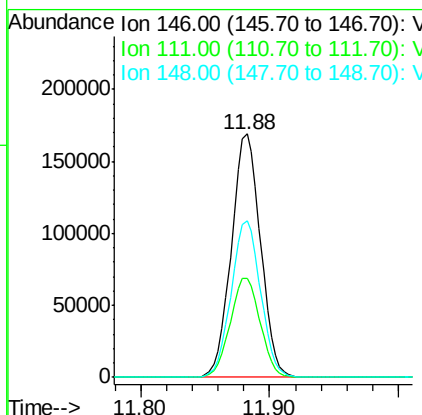
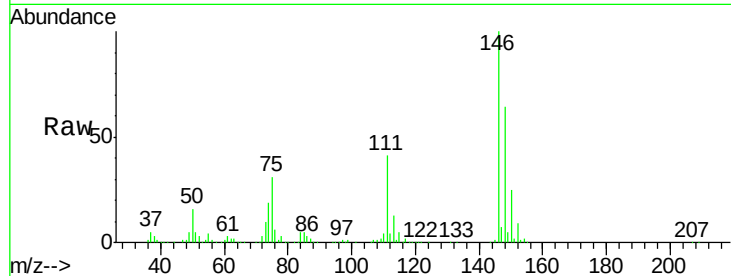




#65
 1,2-Dichlorobenzene
 Concen: 49.422 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025526.D
 Acq: 19 Jul 2018 17:00

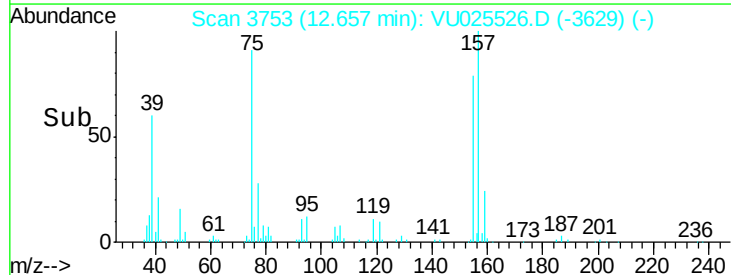
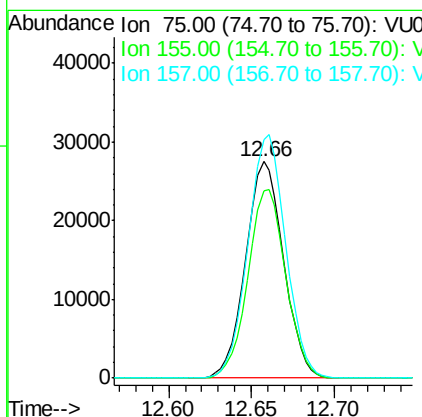
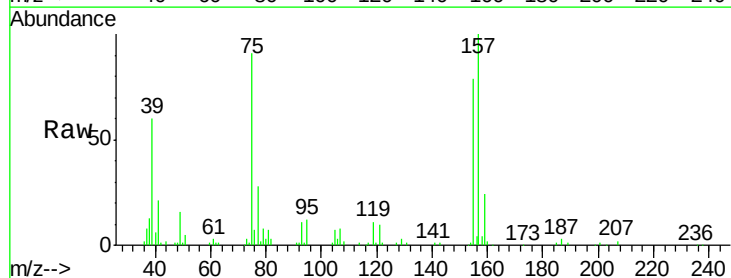
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

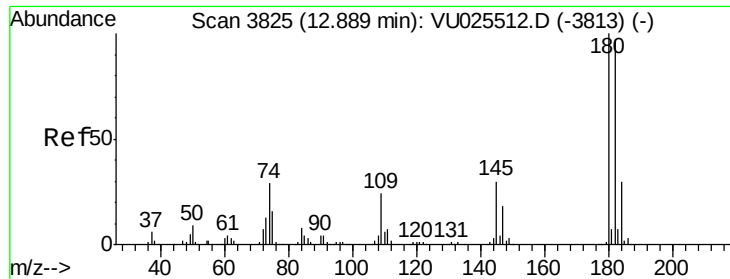
Tgt Ion:146 Resp: 264667
 Ion Ratio Lower Upper
 146 100
 111 40.5 33.8 50.6
 148 64.4 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.622 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025526.D
 Acq: 19 Jul 2018 17:00

Tgt Ion: 75 Resp: 43717
 Ion Ratio Lower Upper
 75 100
 155 86.7 67.4 101.0
 157 110.3 87.9 131.9

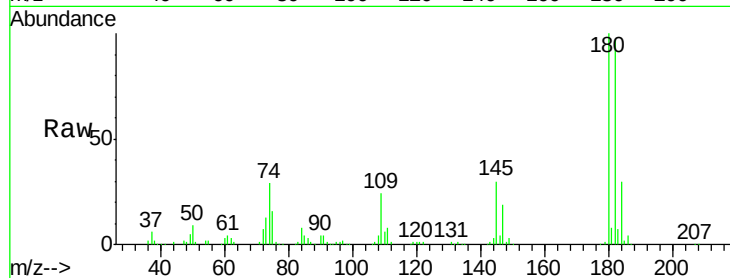




#67
 1,3,5-Trichlorobenzene
 Concen: 51.037 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU025526.D
 Acq: 19 Jul 2018 17:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.1	112.7
184	30.2	24.6	36.8
145	29.5	23.1	34.7



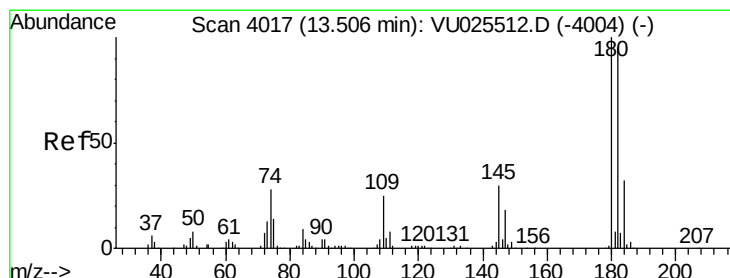
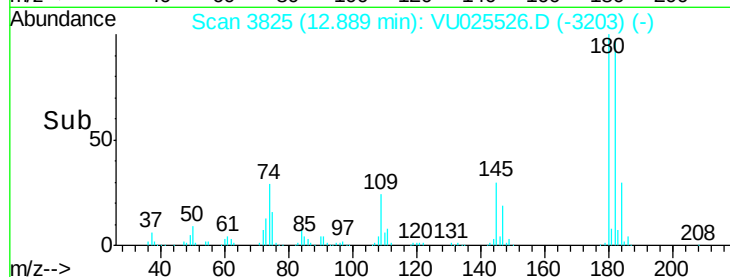
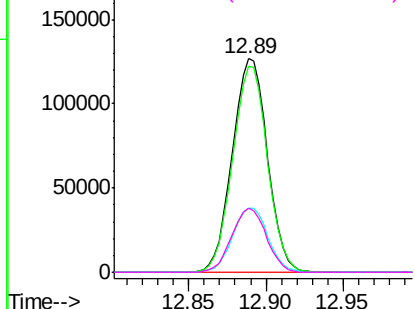
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

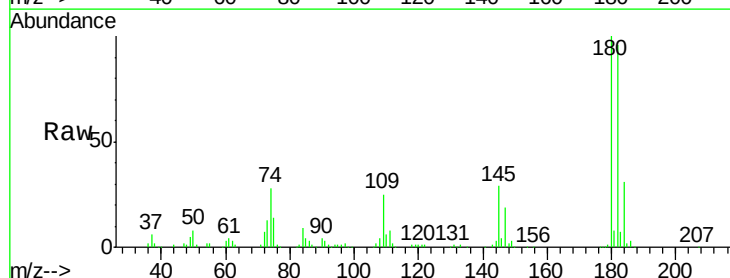
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.646 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025526.D
 Acq: 19 Jul 2018 17:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	29.3	23.4	35.2

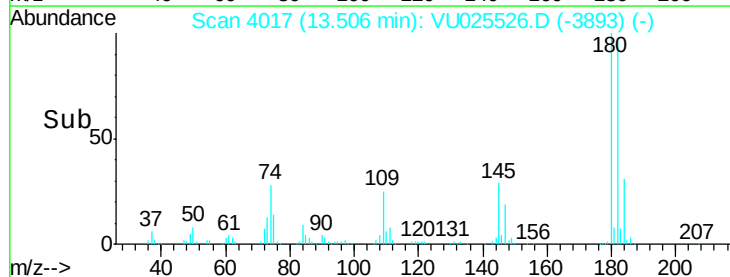
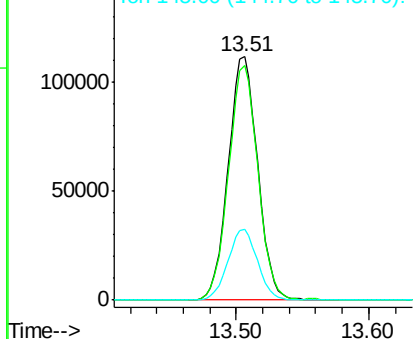


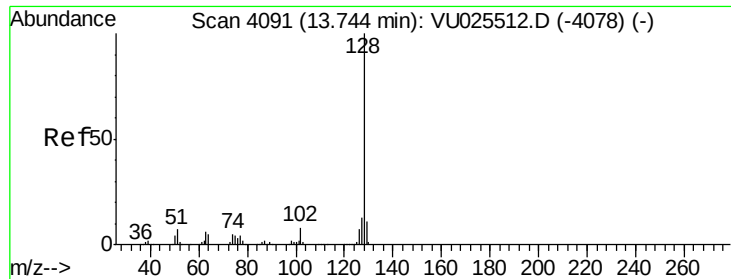
Abundance

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: 46.428 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

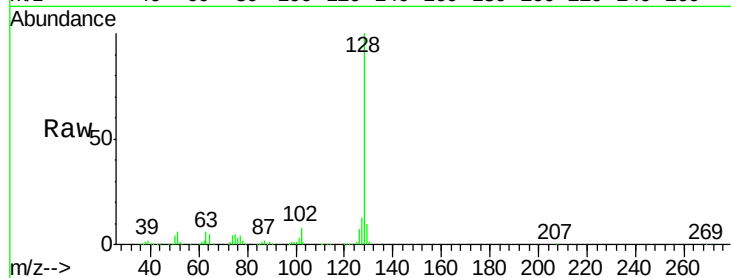
Tgt Ion:128 Resp: 558408

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

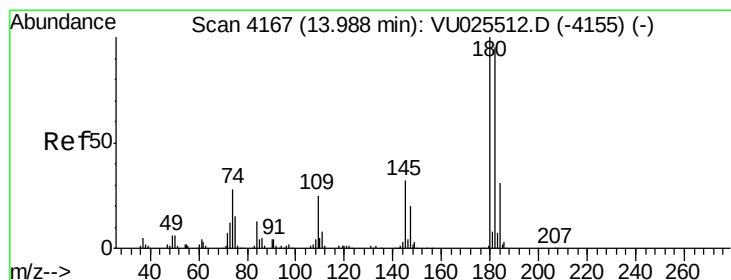
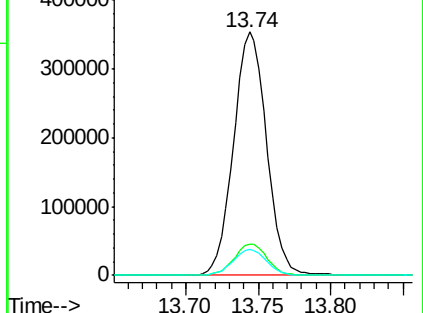
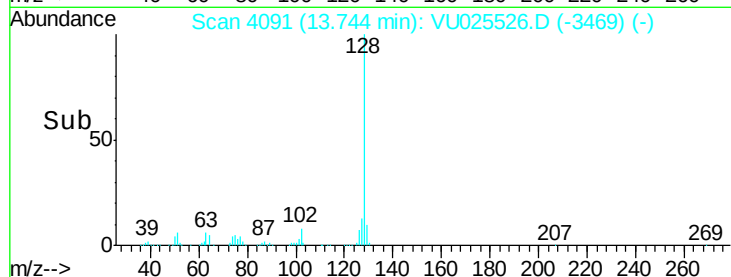
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.584 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025526.D

Acq: 19 Jul 2018 17:00

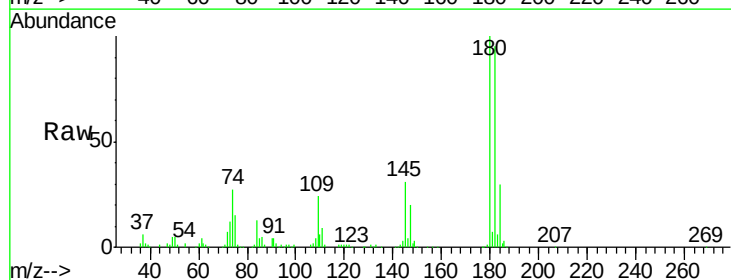
Tgt Ion:180 Resp: 185888

Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.8

145 31.4 25.3 37.9



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

