

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081418\
 Data File : VU026092.D
 Acq On : 14 Aug 2018 10:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Aug 14 11:06:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 11 00:58:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	291154	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	277485	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	146391	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82313	38.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.36%
7) Chloroethane-d5	1.67	69	71436	42.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.68%
11) 1,1-Dichloroethene-d2	2.27	63	170911	42.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.52%
21) 2-Butanone-d5	4.18	46	140191	79.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.04%
24) Chloroform-d	4.65	84	201842	44.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.44%
26) 1,2-Dichloroethane-d4	5.31	65	130927	42.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.90%
32) Benzene-d6	5.34	84	378586	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.33	67	122093	43.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.58%
41) Toluene-d8	7.57	98	360802	43.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.54%
43) trans-1,3-Dichloropropene-	7.85	79	61868	44.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.08%
47) 2-Hexanone-d5	8.31	63	102861	81.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.23%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	179254	43.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	156305	43.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.62%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	137925	54.374	ug/L 100
3) Chloromethane	1.33	50	121508	53.386	ug/L 98
5) Vinyl chloride	1.40	62	120421	54.831	ug/L 98
6) Bromomethane	1.62	94	69562	59.233	ug/L 99
8) Chloroethane	1.69	64	72067	54.608	ug/L 99
9) Trichlorofluoromethane	1.88	101	175342	55.803	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	99763	54.580	ug/L 97
12) 1,1-Dichloroethene	2.28	96	85995	51.158	ug/L 84
13) Acetone	2.32	43	146266	132.742	ug/L 98
14) Carbon disulfide	2.48	76	298839	54.037	ug/L 100
15) Methyl Acetate	2.61	43	113956	49.373	ug/L 98
16) Methylene chloride	2.70	84	115812	53.967	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	104898	56.006	ug/L 94
18) Methyl tert-butyl Ether	3.00	73	335428	54.496	ug/L 99
19) 1,1-Dichloroethane	3.45	63	201933	55.588	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	118904	55.174	ug/L 95
22) 2-Butanone	4.26	43	183429	115.049	ug/L 100

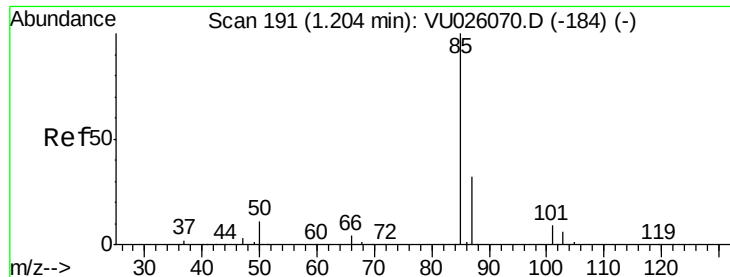
Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081418\
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 Quant Title : VOC Analysis
 QLast Update : Sat Aug 11 00:58:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	64689	56.359	ug/L	99
25) Chloroform	4.67	83	208558	55.133	ug/L	97
27) 1,2-Dichloroethane	5.41	62	167988	53.768	ug/L	98
29) Cyclohexane	5.00	56	169733	54.729	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	190590	54.437	ug/L	99
31) Carbon tetrachloride	5.14	117	175977	55.044	ug/L	97
33) Benzene	5.39	78	437619	55.371	ug/L	100
34) Trichloroethene	6.19	95	113094	54.775	ug/L	98
35) Methylcyclohexane	6.42	83	184915	58.654	ug/L	99
37) 1,2-Dichloropropane	6.44	63	120700	55.814	ug/L	100
38) Bromodichloromethane	6.76	83	162458	56.389	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	180681	55.128	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	302362	101.761	ug/L	99
42) Toluene	7.64	91	476898	56.849	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	176477	56.571	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	114101	55.343	ug/L	97
46) Tetrachloroethene	8.23	164	100118	56.978	ug/L	98
48) 2-Hexanone	8.36	43	254982	110.151	ug/L	99
49) Dibromochloromethane	8.48	129	141270	56.823	ug/L	100
50) 1,2-Dibromoethane	8.59	107	122558	54.581	ug/L	100
51) Chlorobenzene	9.12	112	316119	55.888	ug/L	100
52) Ethylbenzene	9.25	91	521905	56.856	ug/L	99
53) m,p-Xylene	9.38	106	204462	58.292	ug/L	98
54) o-xylene	9.78	106	202397	58.140	ug/L	99
55) Styrene	9.80	104	345537	59.618	ug/L	99
56) Isopropylbenzene	10.17	105	524640	58.500	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	189925	54.202	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	147993	53.062	ug/L	98
61) Bromoform	9.96	173	104634	52.790	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	250913	55.056	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	255984	53.581	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	266421	54.920	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	41390	48.612	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	192031	56.378	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	152635	52.991	ug/L	98
69) Naphthalene	13.74	128	447070	48.111	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	165827	53.564	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 54.374 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

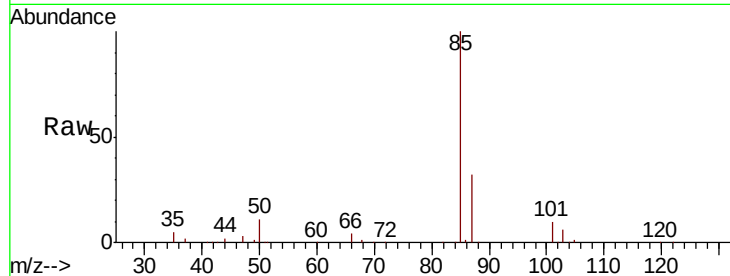
VSTD05056

Tgt Ion: 85 Resp: 137925

Ion Ratio Lower Upper

85 100

87 32.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.20

150000

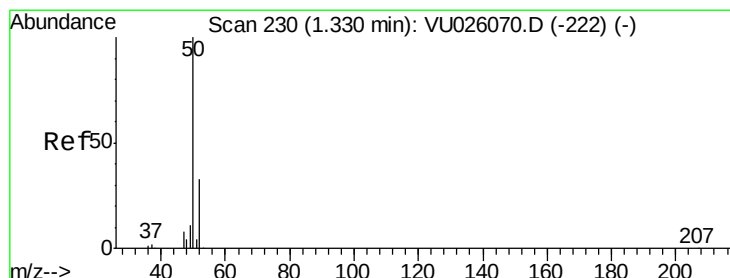
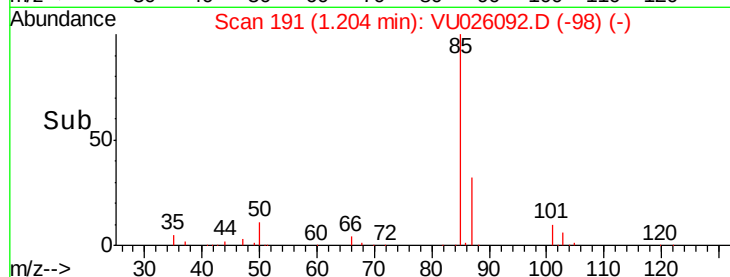
100000

50000

0

Time-->

1.15 1.20 1.25



#3

Chloromethane

Concen: 53.386 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026092.D

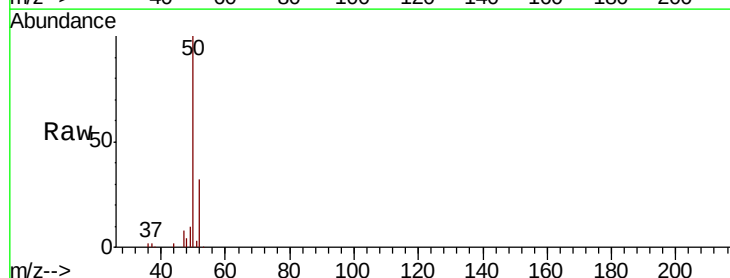
Acq: 14 Aug 2018 10:28

Tgt Ion: 50 Resp: 121508

Ion Ratio Lower Upper

50 100

52 32.3 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

120000

100000

80000

60000

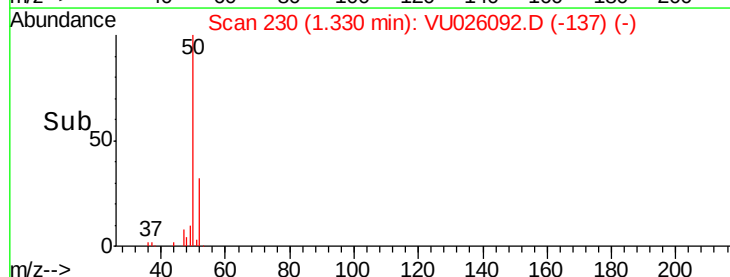
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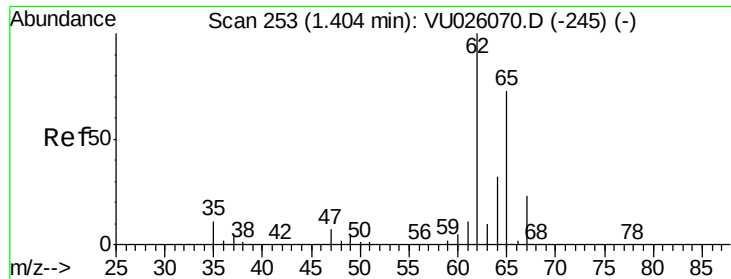
20000

0

Time-->

1.30 1.35 1.40





#5

Vinyl chloride

Concen: 54.831 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

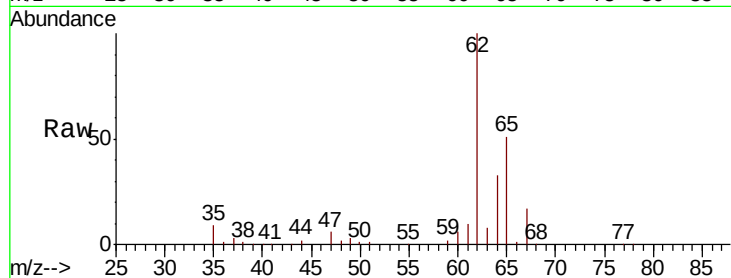
VSTD05056

Tgt Ion: 62 Resp: 120421

Ion Ratio Lower Upper

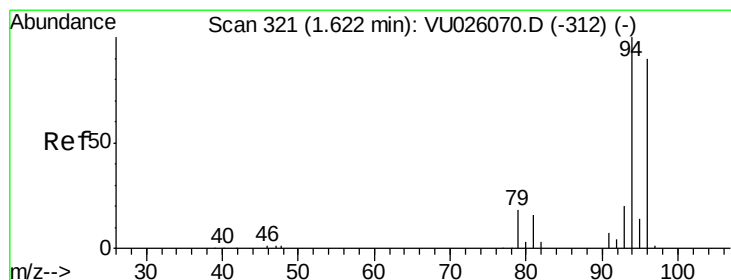
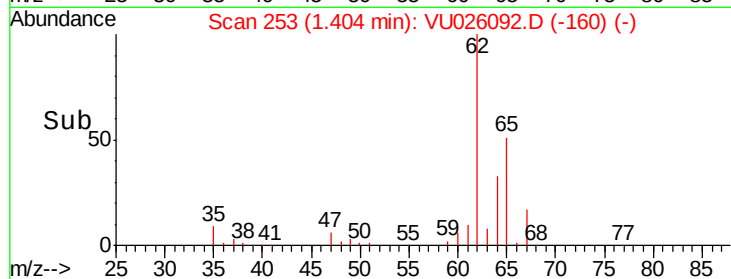
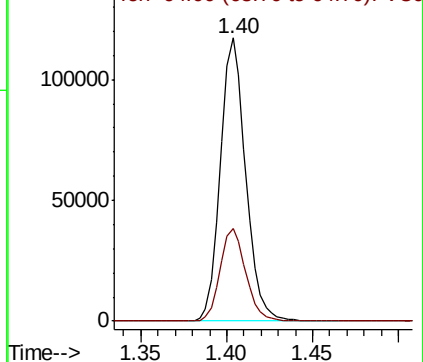
62 100

64 32.6 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 59.233 ug/L

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU026092.D

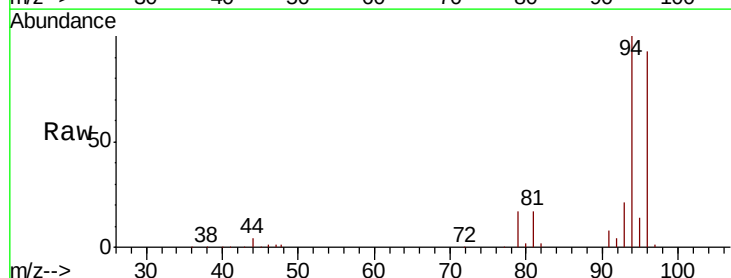
Acq: 14 Aug 2018 10:28

Tgt Ion: 94 Resp: 69562

Ion Ratio Lower Upper

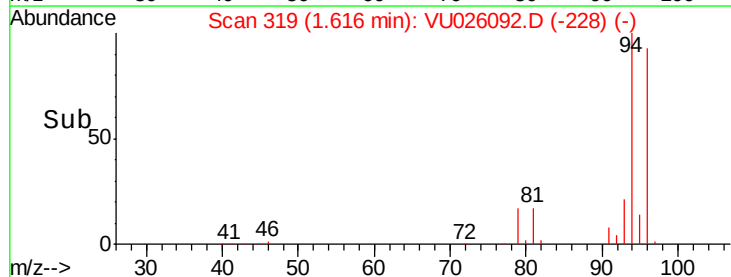
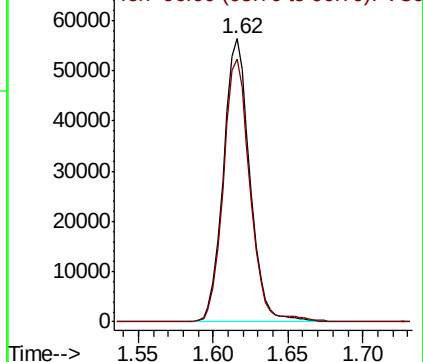
94 100

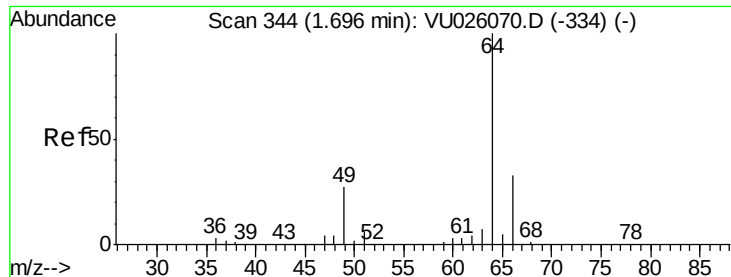
96 93.0 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 54.608 ug/L

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

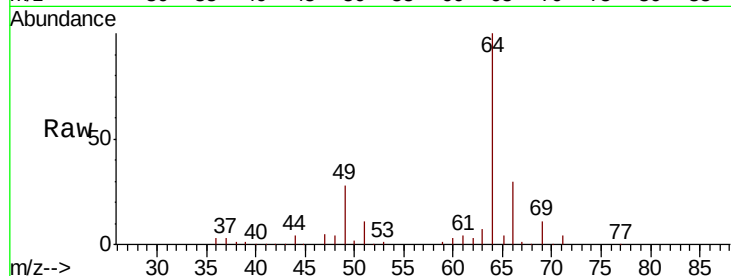
VSTD05056

Tgt Ion: 64 Resp: 72067

Ion Ratio Lower Upper

64 100

66 29.9 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VU026070.D (-334) (-)

Ion 66.00 (65.70 to 66.70): VU026092.D (-220) (-)

1.69

60000

50000

40000

30000

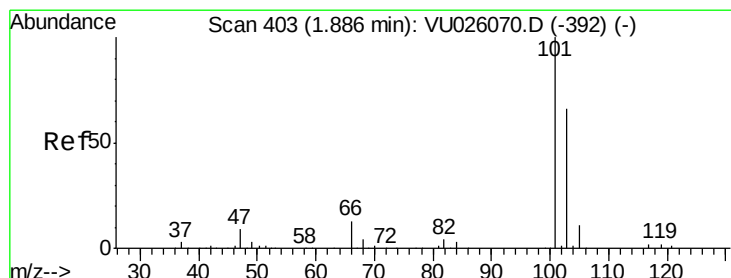
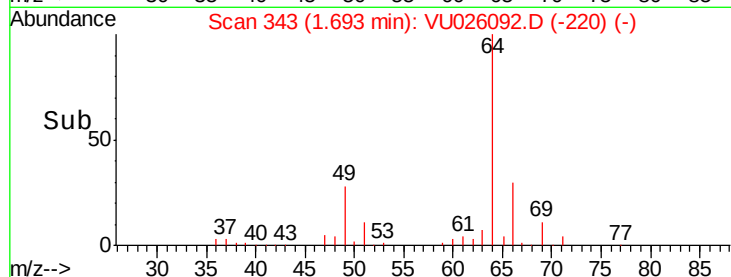
20000

10000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 55.803 ug/L

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU026092.D

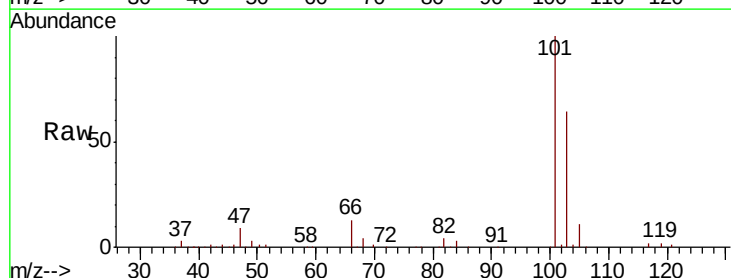
Acq: 14 Aug 2018 10:28

Tgt Ion: 101 Resp: 175342

Ion Ratio Lower Upper

101 100

103 66.0 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU026070.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU026092.D (-279) (-)

1.88

150000

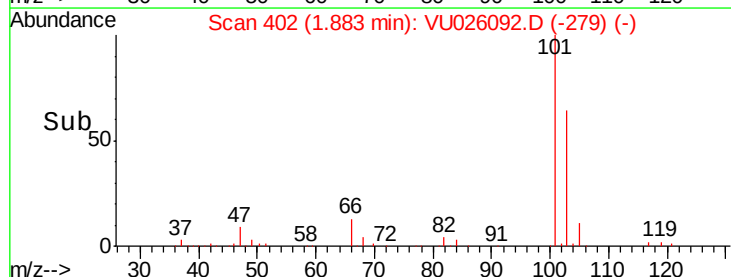
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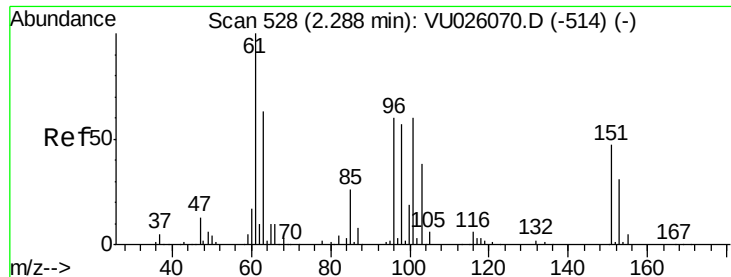
50000

0

1.85 1.90 1.95

Time-->





#10

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

Concen: 54.580 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

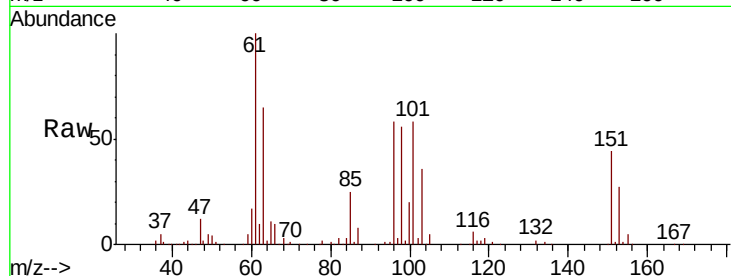
Tgt Ion: 101 Resp: 99763

Ion Ratio Lower Upper

101 100

85 44.2 36.0 54.0

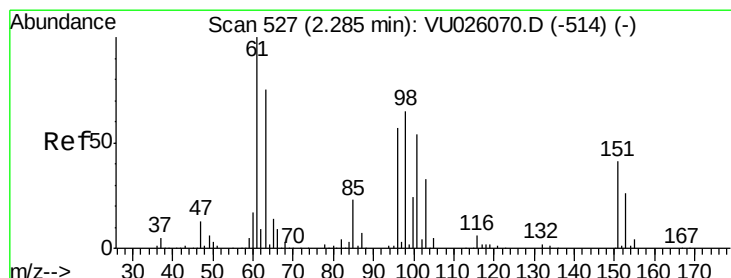
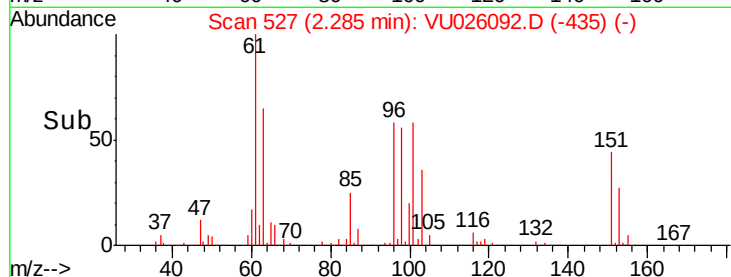
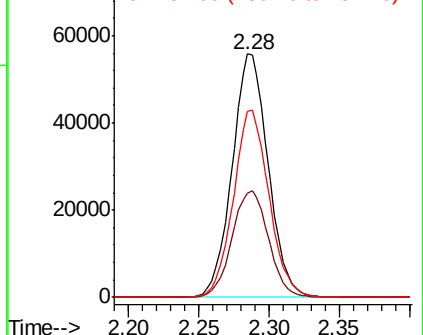
151 76.1 64.2 96.2



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: 51.158 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

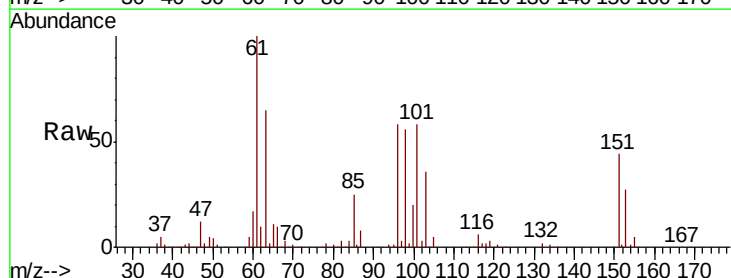
Tgt Ion: 96 Resp: 85995

Ion Ratio Lower Upper

96 100

61 172.1 121.2 225.2

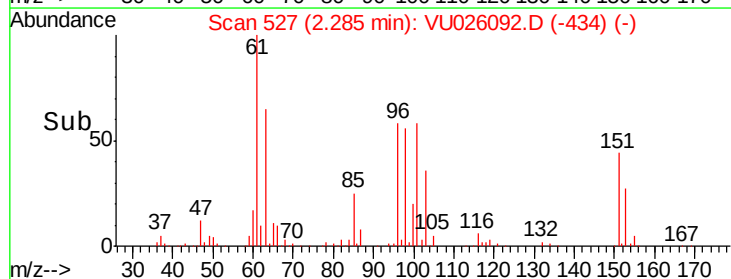
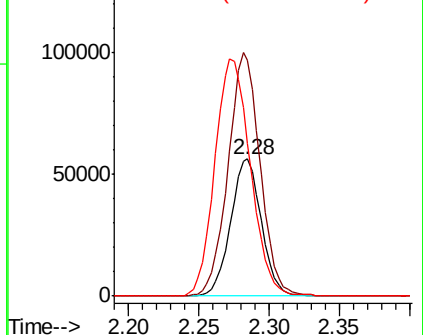
63 111.8 108.7 201.9

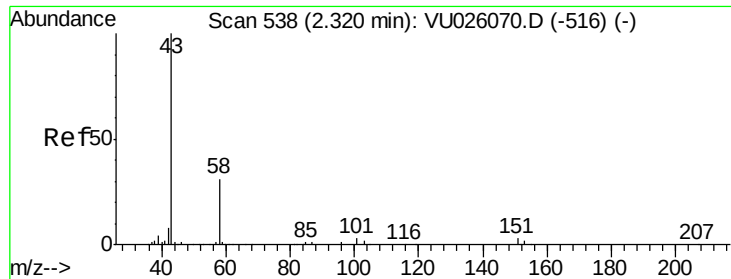


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 132.742 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

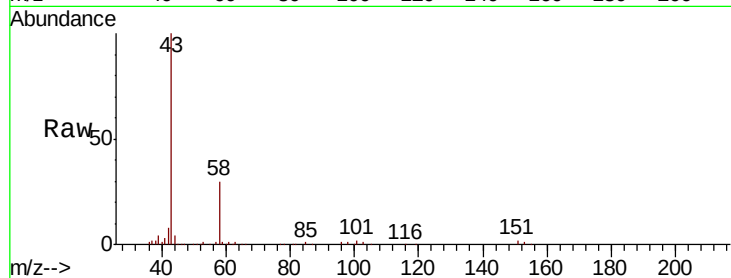
VSTD05056

Tgt Ion: 43 Resp: 146266

Ion Ratio Lower Upper

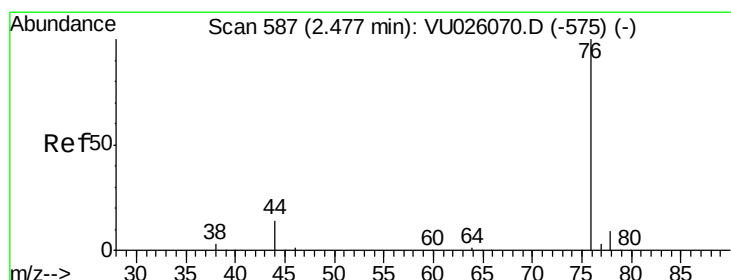
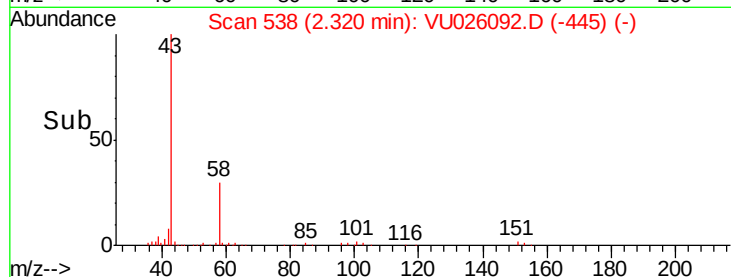
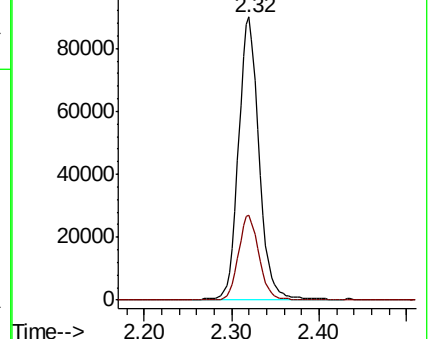
43 100

58 29.7 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU026092.D (-445) (-)

Ion 58.00 (57.70 to 58.70): VU026092.D (-445) (-)



#14

Carbon disulfide

Concen: 54.037 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026092.D

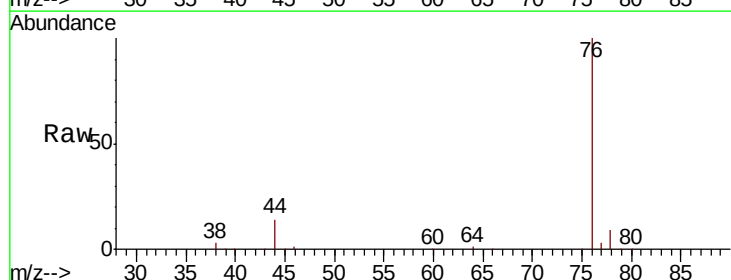
Acq: 14 Aug 2018 10:28

Tgt Ion: 76 Resp: 298839

Ion Ratio Lower Upper

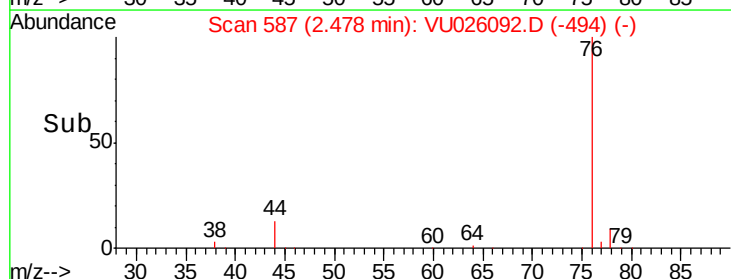
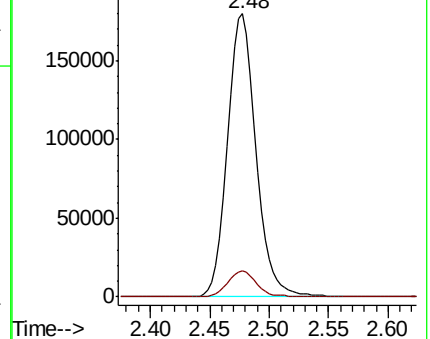
76 100

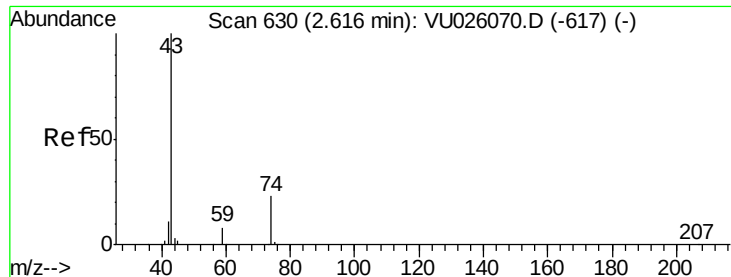
78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU026092.D (-494) (-)

Ion 78.00 (77.70 to 78.70): VU026092.D (-494) (-)





#15

Methyl Acetate

Concen: 49.373 ug/L

RT: 2.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

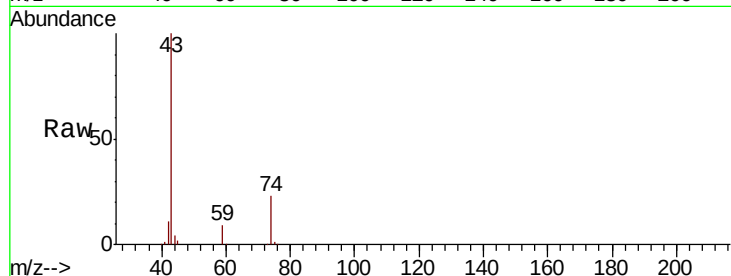
VSTD05056

Tgt Ion: 43 Resp: 113956

Ion Ratio Lower Upper

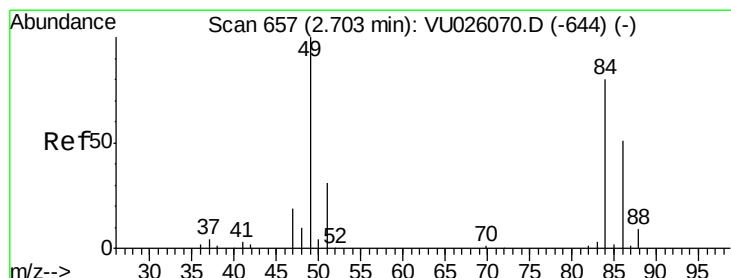
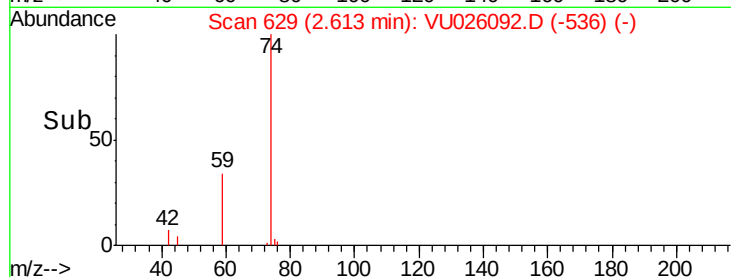
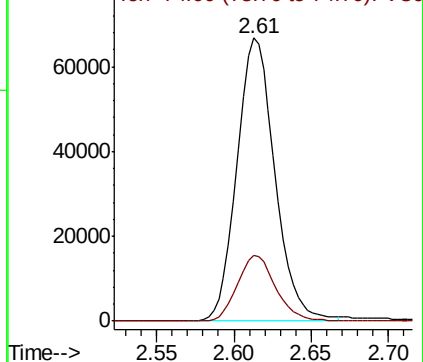
43 100

74 23.4 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VU026092.D (-536) (-)

Ion 74.00 (73.70 to 74.70): VU026092.D (-536) (-)



#16

Methylene chloride

Concen: 53.967 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

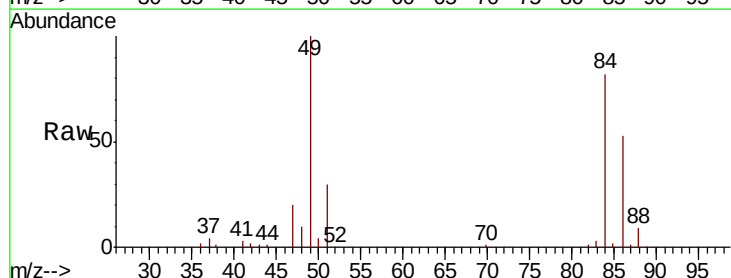
Tgt Ion: 84 Resp: 115812

Ion Ratio Lower Upper

84 100

86 64.2 45.8 85.0

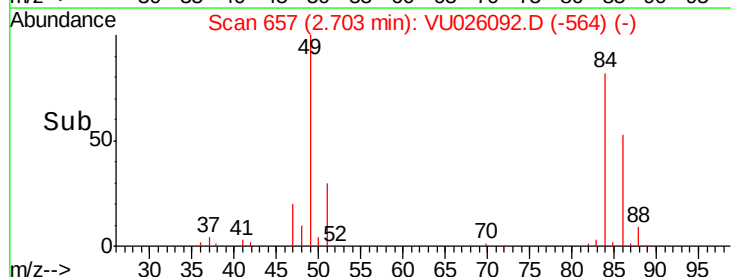
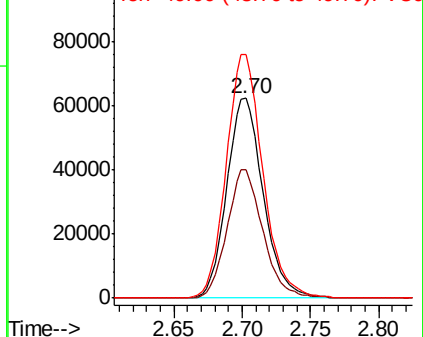
49 121.9 85.0 157.8

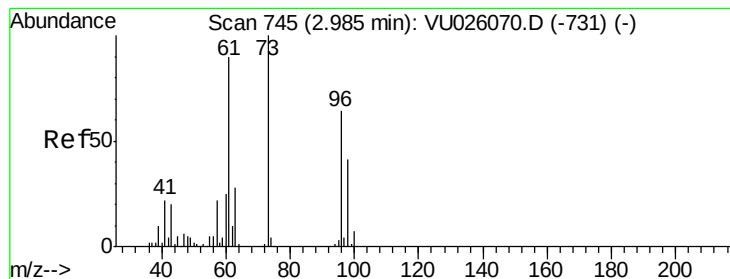


Abundance Ion 84.00 (83.70 to 84.70): VU026092.D (-564) (-)

Ion 86.00 (85.70 to 86.70): VU026092.D (-564) (-)

Ion 49.00 (48.70 to 49.70): VU026092.D (-564) (-)





#17

trans-1,2-Dichloroethene

Concen: 56.006 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

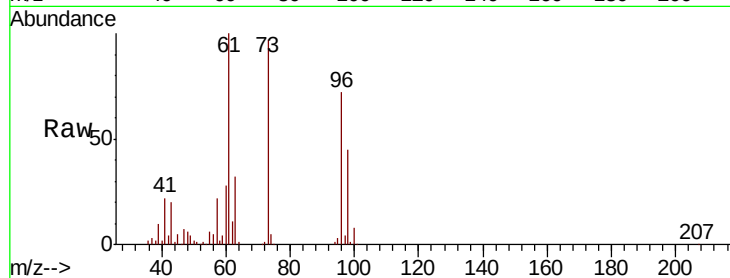
Tgt Ion: 96 Resp: 104898

Ion Ratio Lower Upper

96 100

61 138.1 102.8 190.8

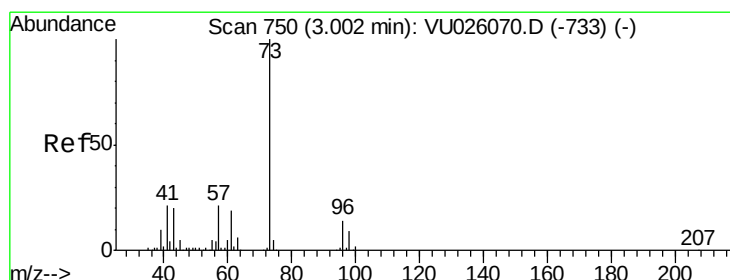
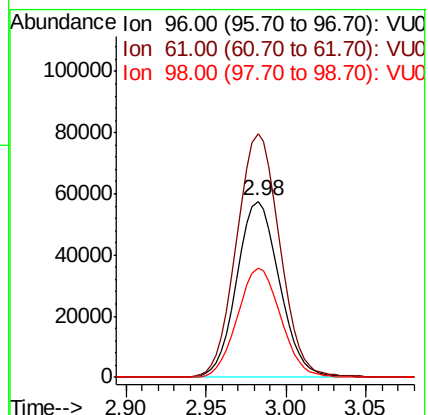
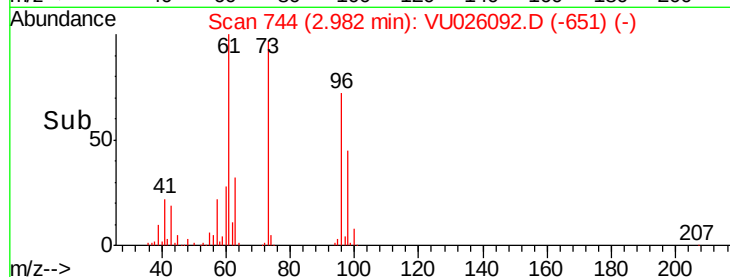
98 61.8 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU026092.D (-651) (-)

Ion 61.00 (60.70 to 61.70): VU026092.D (-651) (-)

Ion 98.00 (97.70 to 98.70): VU026092.D (-651) (-)



#18

Methyl tert-butyl Ether

Concen: 54.496 ug/L

RT: 3.00 min Scan# 749

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

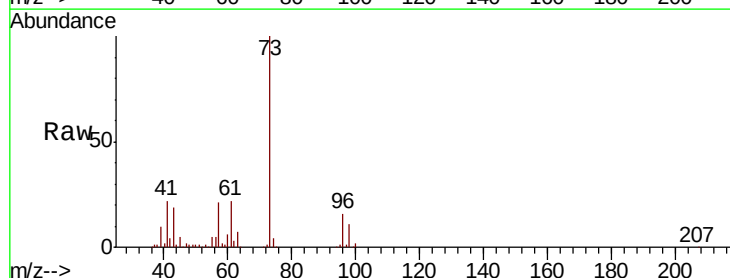
Tgt Ion: 73 Resp: 335428

Ion Ratio Lower Upper

73 100

43 19.9 16.3 24.5

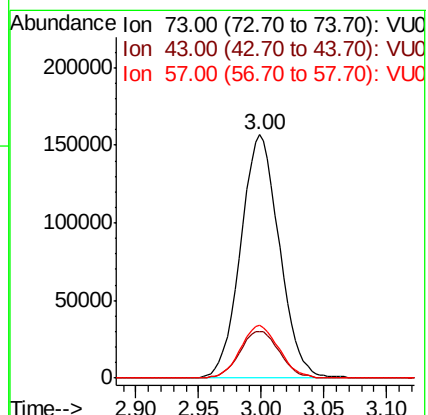
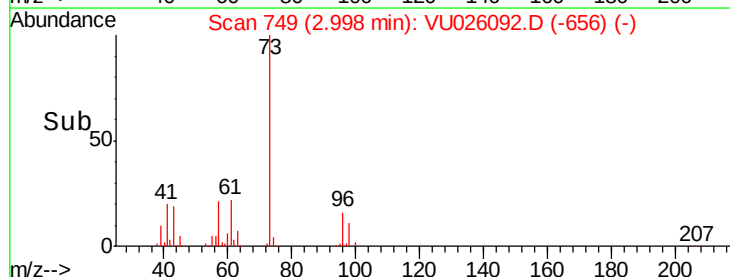
57 21.6 17.1 25.7

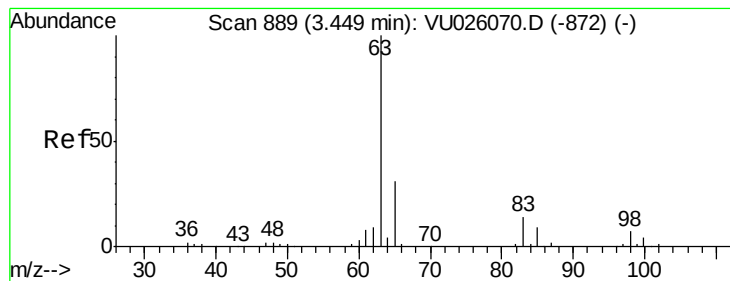


Abundance Ion 73.00 (72.70 to 73.70): VU026092.D (-656) (-)

Ion 43.00 (42.70 to 43.70): VU026092.D (-656) (-)

Ion 57.00 (56.70 to 57.70): VU026092.D (-656) (-)





#19

1,1-Dichloroethane

Concen: 55.588 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

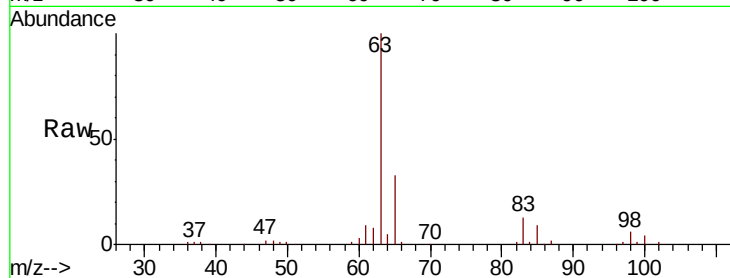
Tgt Ion: 63 Resp: 201933

Ion Ratio Lower Upper

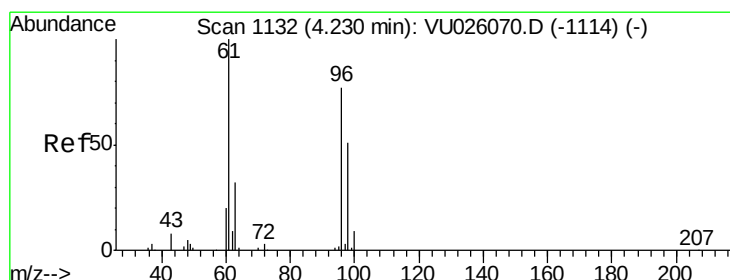
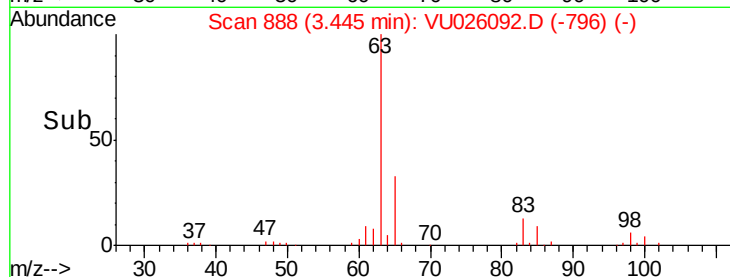
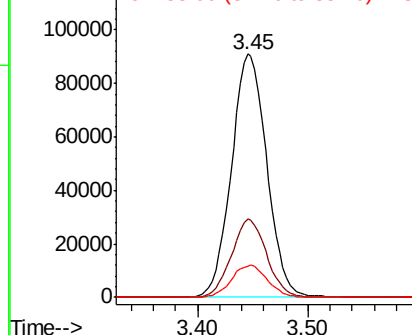
63 100

65 32.5 22.4 41.6

83 13.0 10.1 18.9



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



#20

cis-1,2-Dichloroethene

Concen: 55.174 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

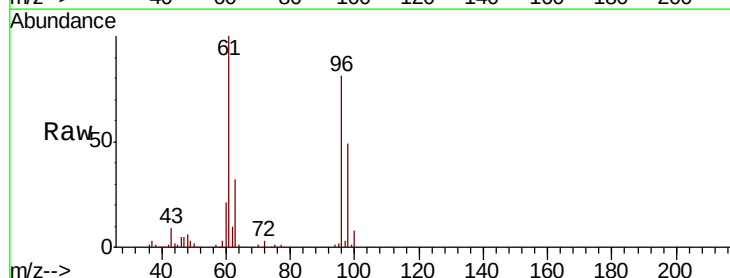
Tgt Ion: 96 Resp: 118904

Ion Ratio Lower Upper

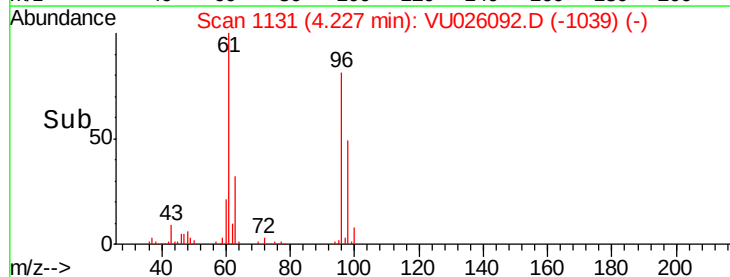
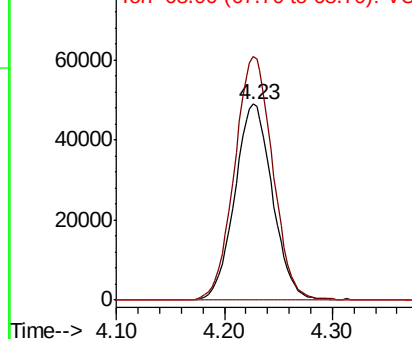
96 100

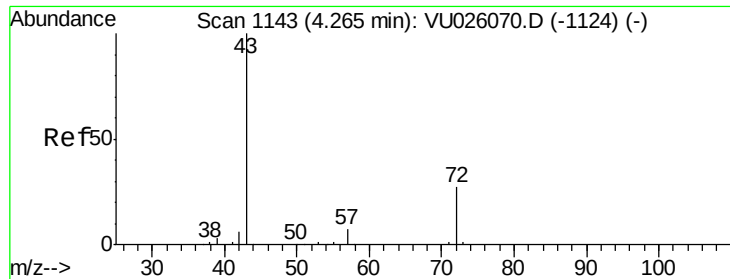
61 124.1 90.7 168.5

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 115.049 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

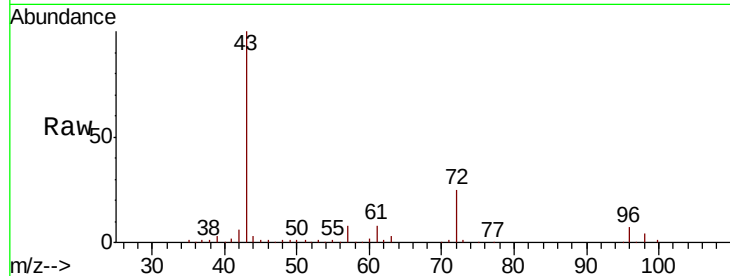
VSTD05056

Tgt Ion: 43 Resp: 183429

Ion Ratio Lower Upper

43 100

72 27.0 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU026092.D (-1142) (-)

Ion 72.00 (71.70 to 72.70): VU026092.D (-1142) (-)

4.26

80000

60000

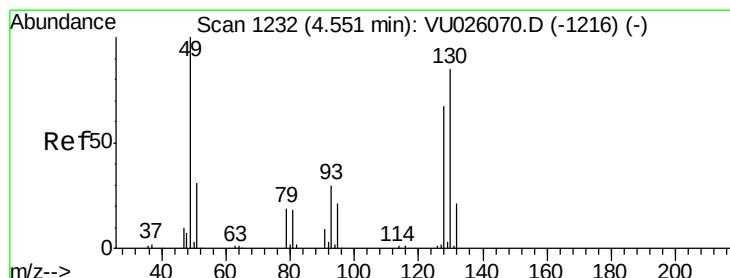
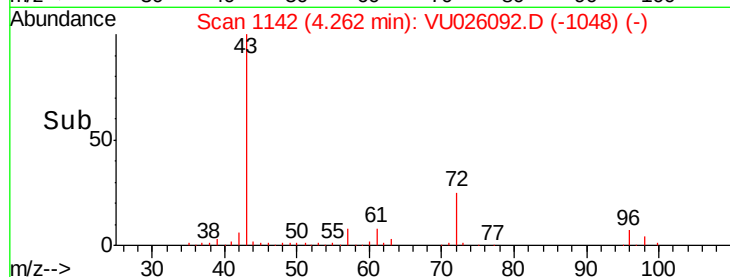
40000

20000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 56.359 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Tgt Ion: 128 Resp: 64689

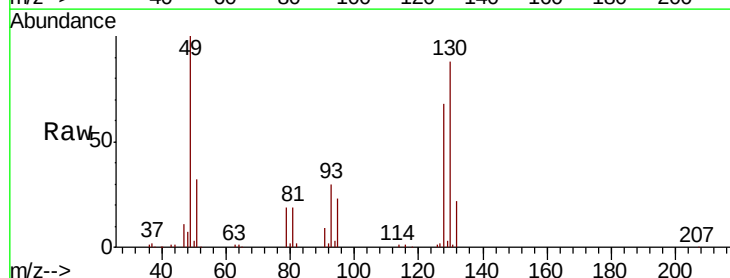
Ion Ratio Lower Upper

128 100

49 146.0 103.0 191.2

130 128.3 89.5 166.1

51 46.7 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU026092.D (-1232) (-)

Ion 49.00 (48.70 to 49.70): VU026092.D (-1232) (-)

Ion 130.00 (129.70 to 130.70): VU026092.D (-1232) (-)

Ion 51.00 (50.70 to 51.70): VU026092.D (-1232) (-)

60000

50000

40000

30000

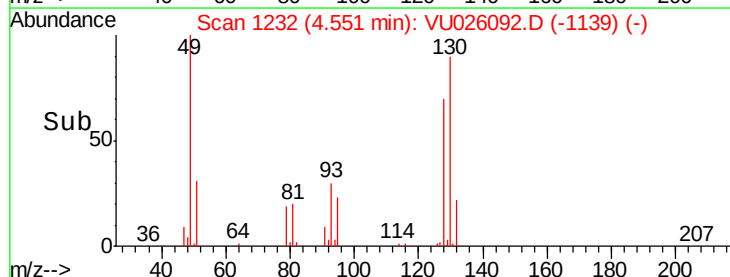
20000

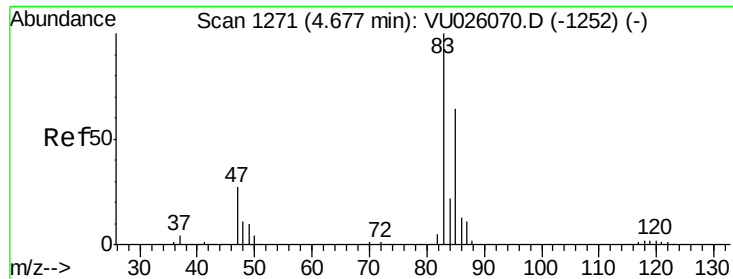
10000

0

4.45 4.50 4.55 4.60 4.65

Time-->

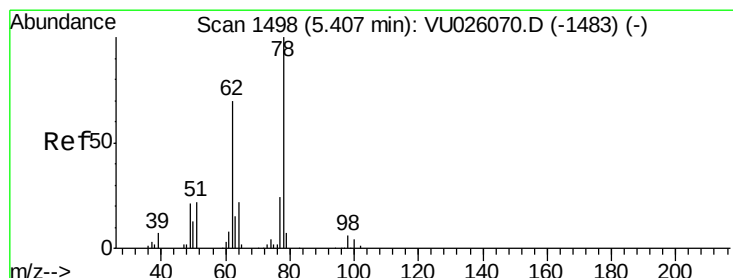
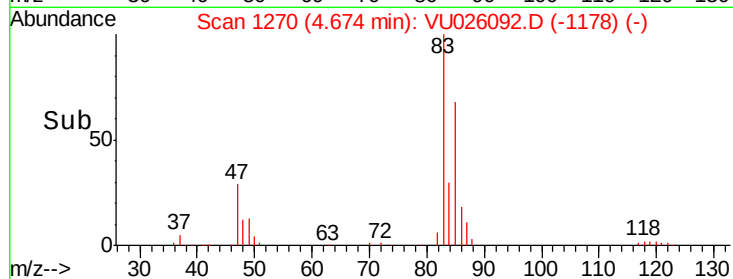
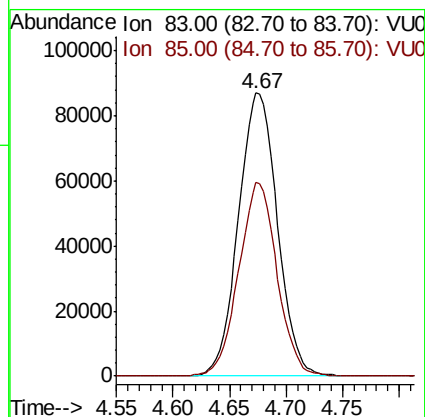
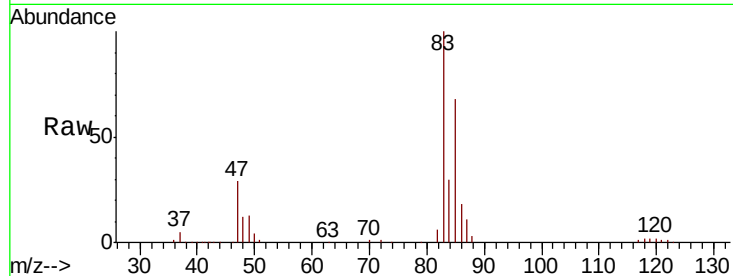




#25
Chloroform
Concen: 55.133 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026092.D
Acq: 14 Aug 2018 10:28

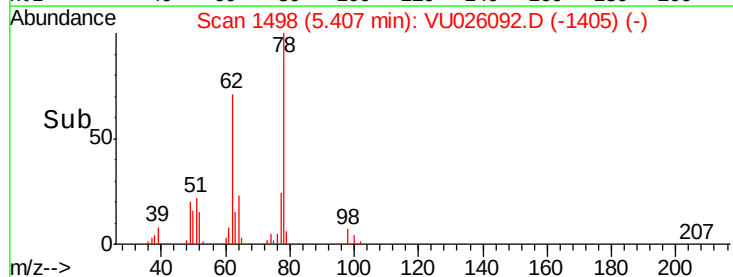
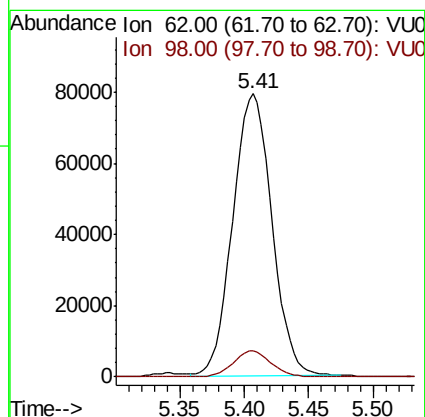
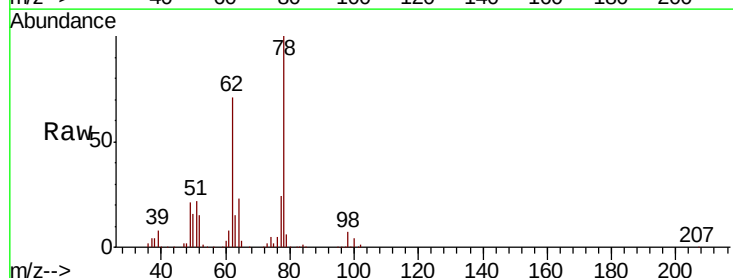
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

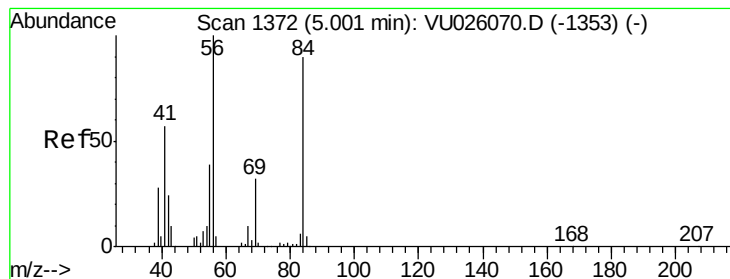
Tgt Ion: 83 Resp: 208558
Ion Ratio Lower Upper
83 100
85 68.3 45.9 85.3



#27
1,2-Dichloroethane
Concen: 53.768 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026092.D
Acq: 14 Aug 2018 10:28

Tgt Ion: 62 Resp: 167988
Ion Ratio Lower Upper
62 100
98 9.3 7.0 10.4





#29

Cyclohexane

Concen: 54.729 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

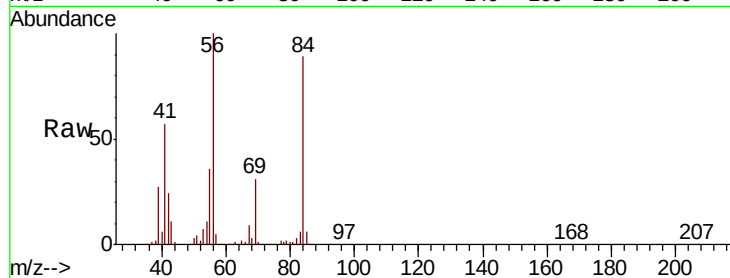
Tgt Ion: 56 Resp: 169733

Ion Ratio Lower Upper

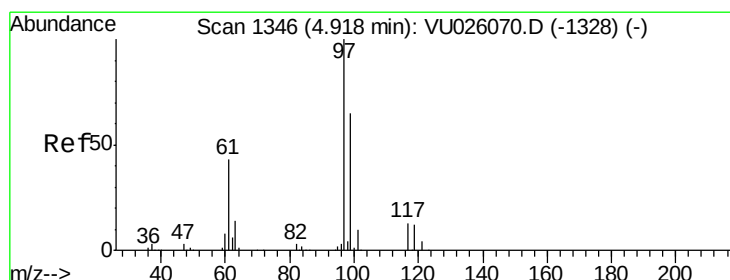
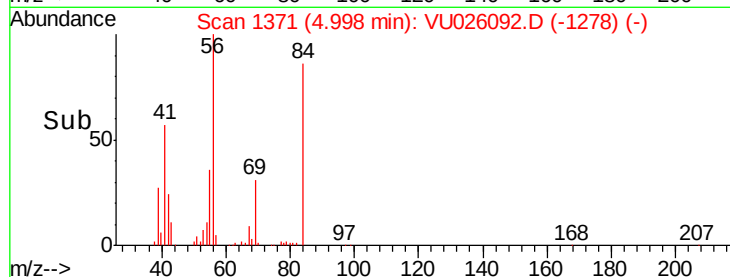
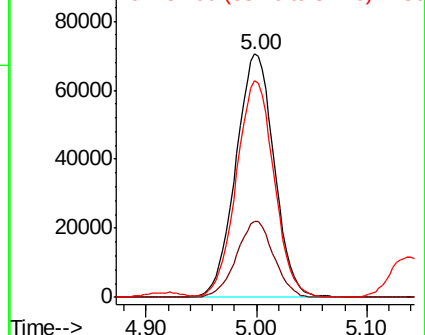
56 100

69 30.3 24.6 37.0

84 87.6 68.6 103.0



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



#30

1,1,1-Trichloroethane

Concen: 54.437 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

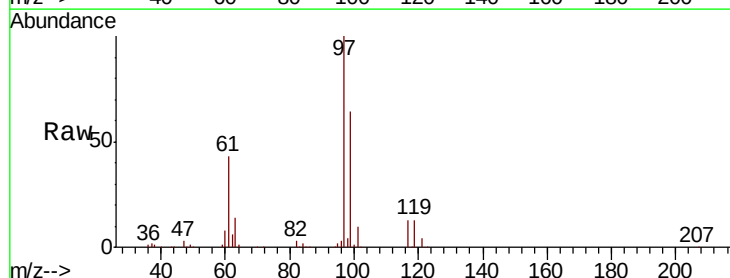
Tgt Ion: 97 Resp: 190590

Ion Ratio Lower Upper

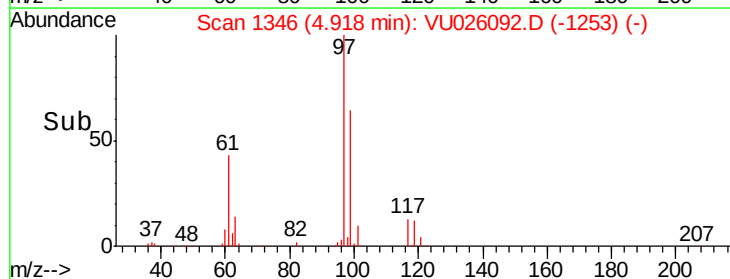
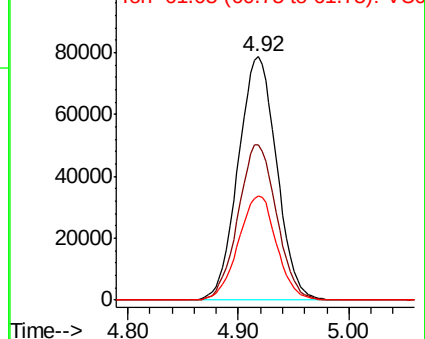
97 100

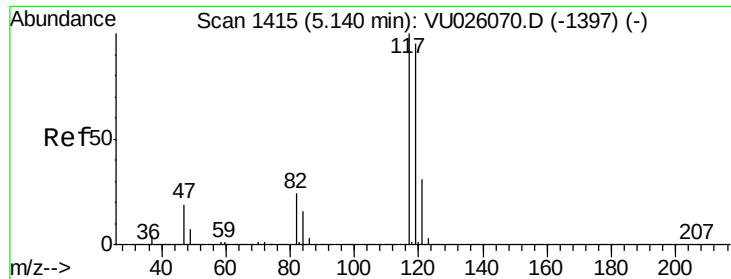
99 63.7 51.8 77.6

61 42.5 34.7 52.1



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

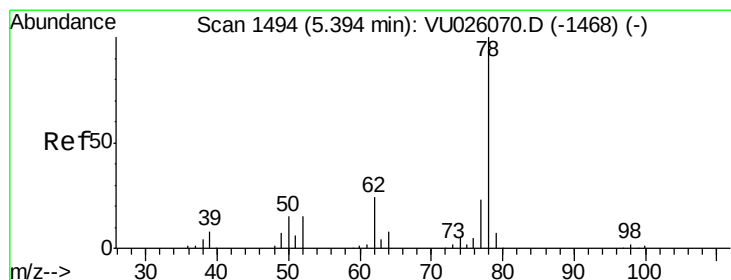
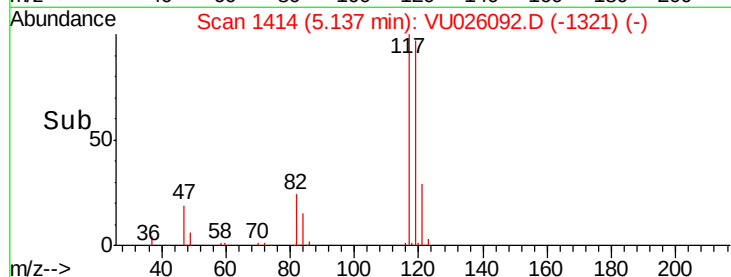
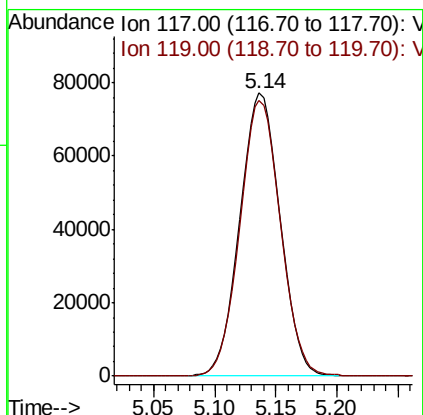
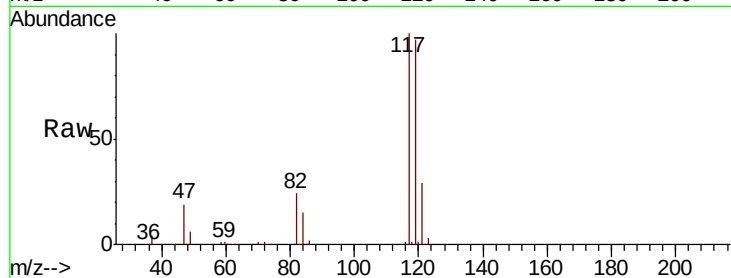




#31
Carbon tetrachloride
Concen: 55.044 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU026092.D
Acq: 14 Aug 2018 10:28

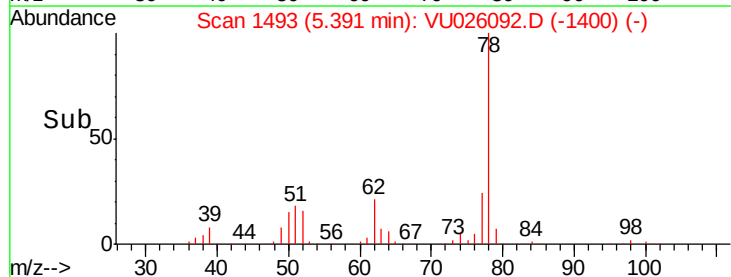
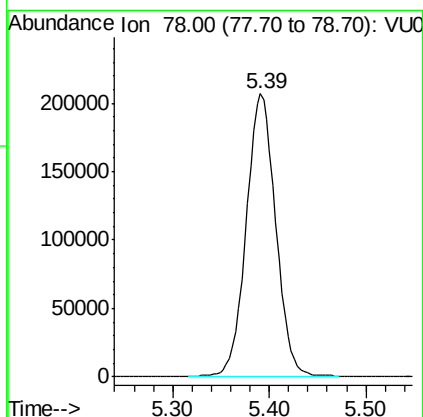
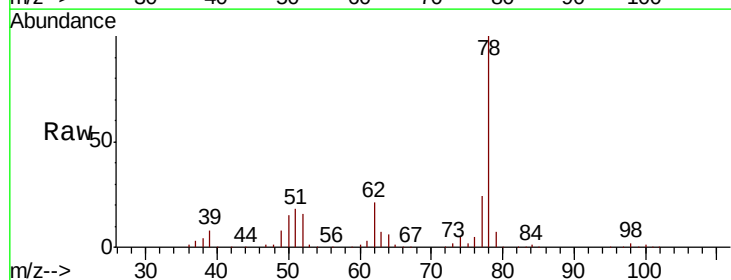
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

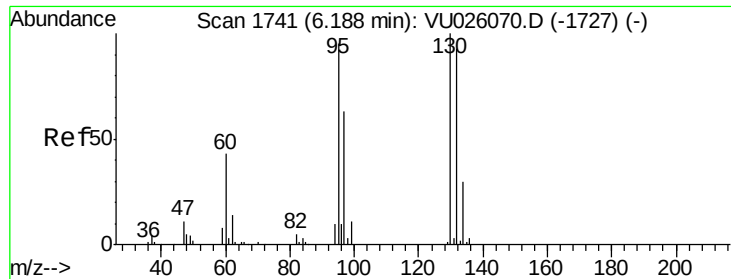
Tgt Ion:117 Resp: 175977
Ion Ratio Lower Upper
117 100
119 98.2 76.3 114.5



#33
Benzene
Concen: 55.371 ug/L
RT: 5.39 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VU026092.D
Acq: 14 Aug 2018 10:28

Tgt Ion: 78 Resp: 437619

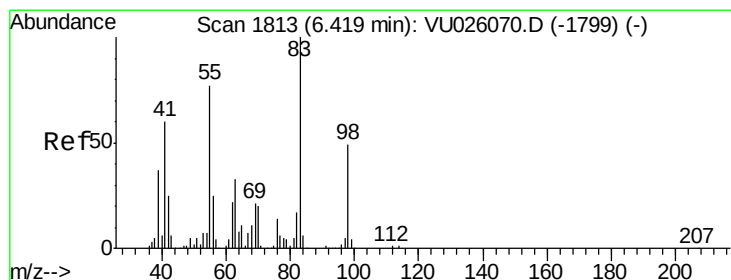
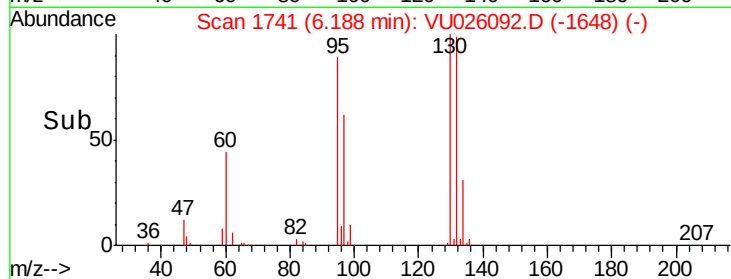
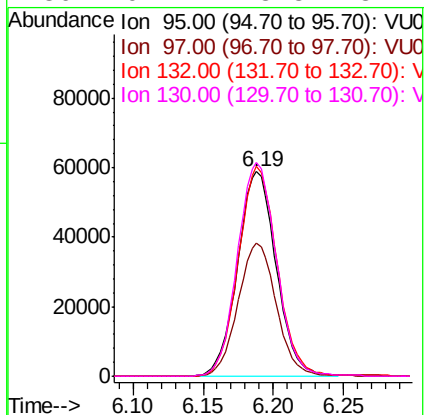
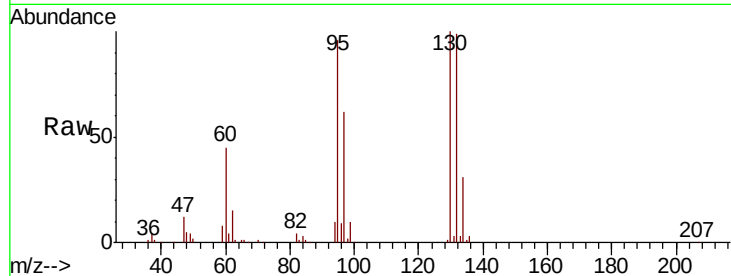




#34
 Trichloroethene
 Concen: 54.775 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

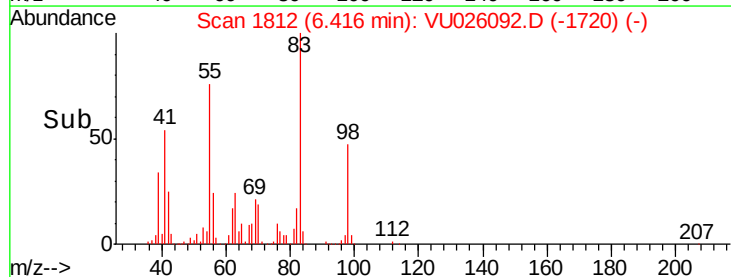
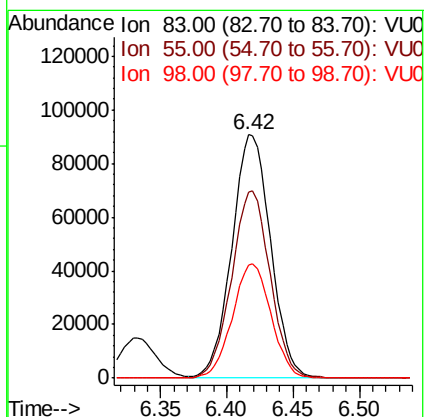
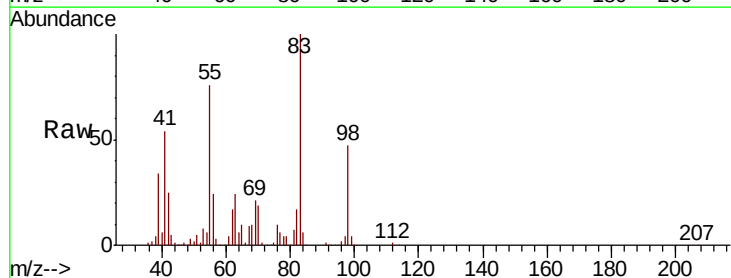
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

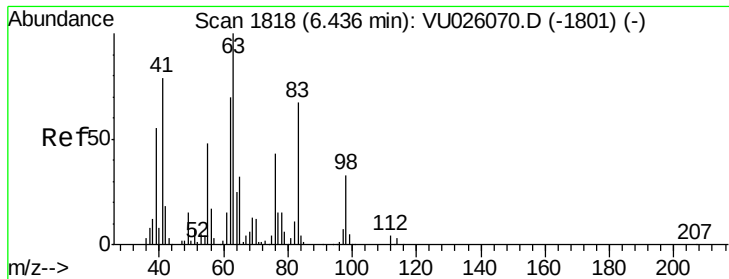
Tgt Ion:	95	Resp:	113094
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.2	84.0
132	102.8	68.2	126.6
130	104.4	73.8	137.2



#35
 Methylcyclohexane
 Concen: 58.654 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

Tgt Ion:	83	Resp:	184915
Ion	Ratio	Lower	Upper
83	100		
55	76.1	61.0	91.6
98	46.6	38.1	57.1

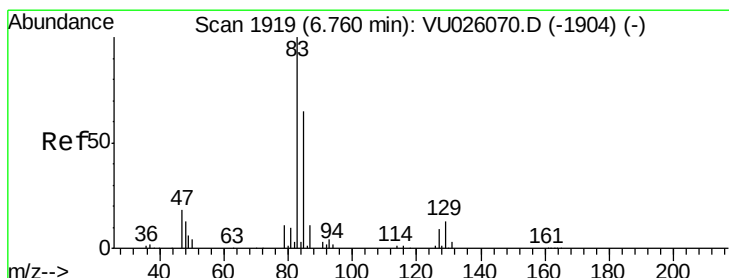
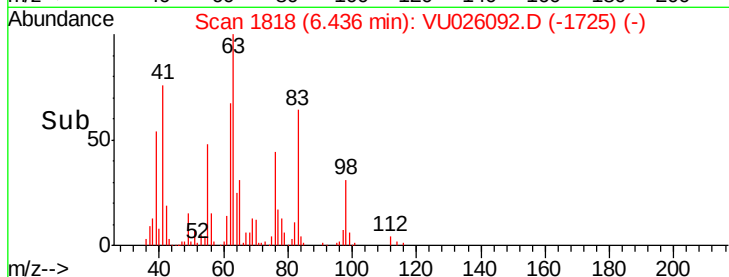
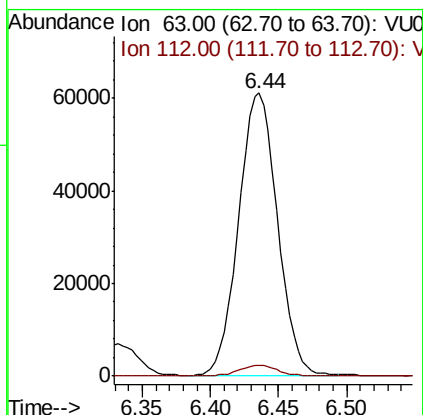
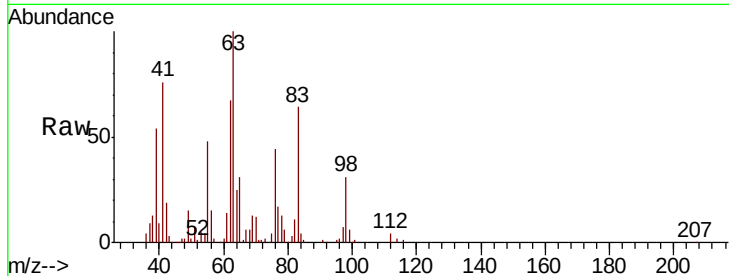




#37
 1,2-Dichloropropane
 Concen: 55.814 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

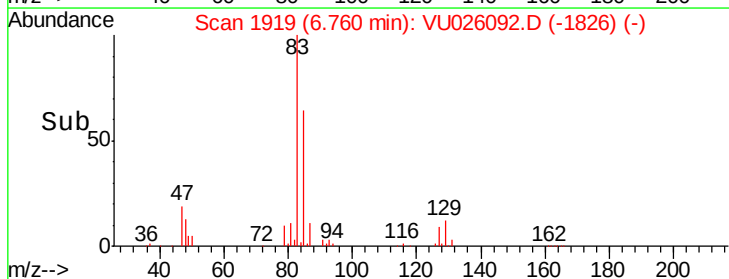
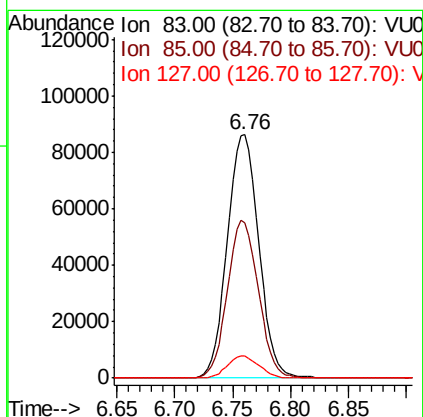
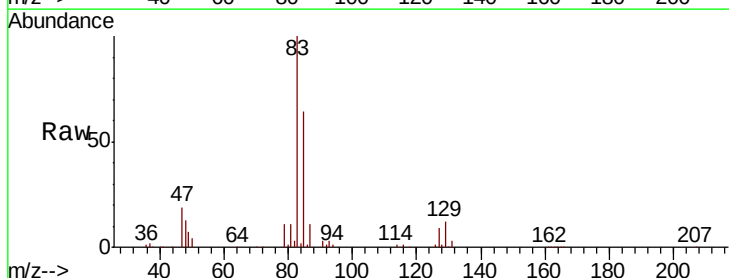
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

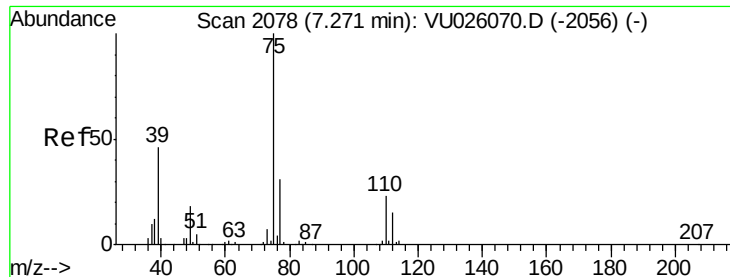
Tgt Ion: 63 Resp: 120700
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#38
 Bromodichloromethane
 Concen: 56.389 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

Tgt Ion: 83 Resp: 162458
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.3 84.1
 127 9.0 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 55.128 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

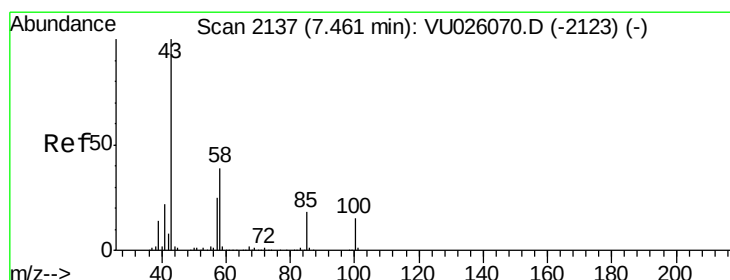
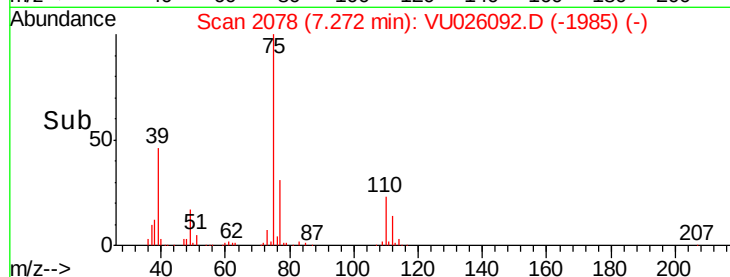
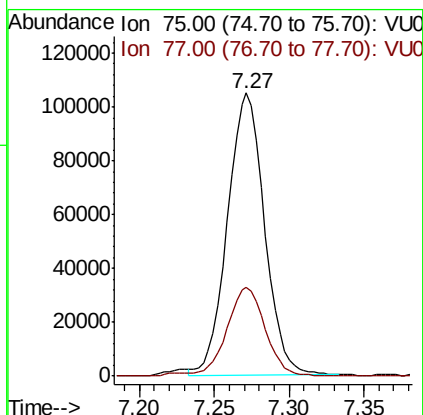
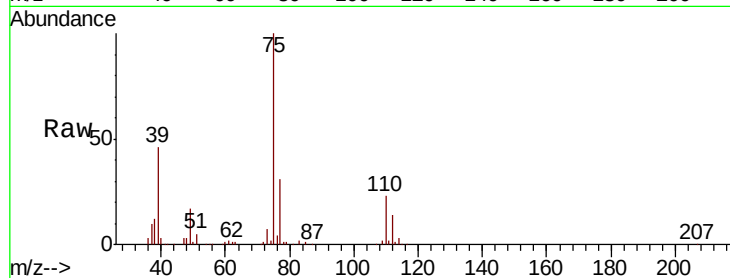
VSTD05056

Tgt Ion: 75 Resp: 180681

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 101.761 ug/L

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

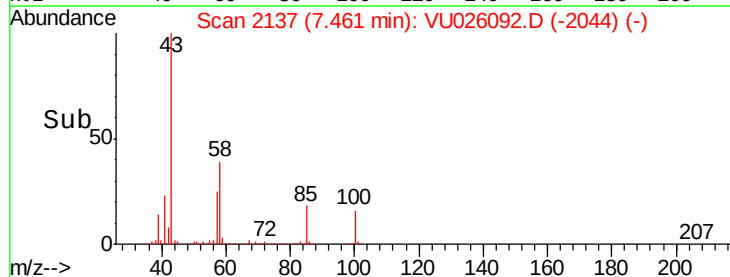
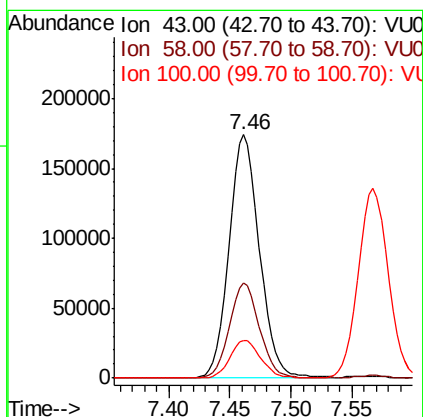
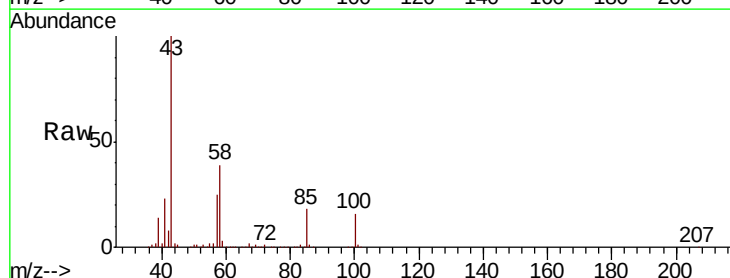
Tgt Ion: 43 Resp: 302362

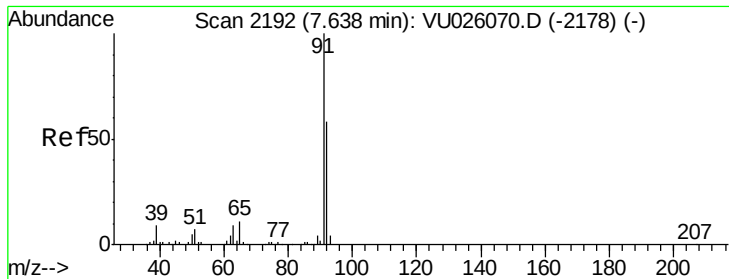
Ion Ratio Lower Upper

43 100

58 38.7 30.6 46.0

100 15.5 11.8 17.6





#42

Toluene

Concen: 56.849 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

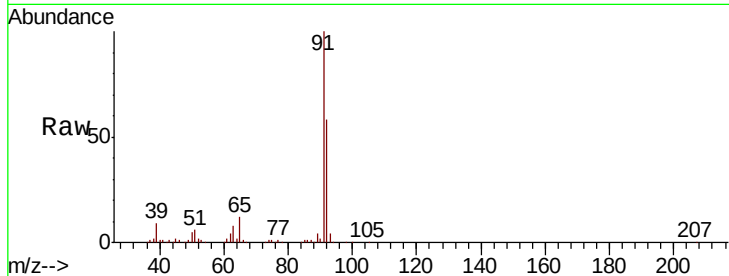
VSTD05056

Tgt Ion: 91 Resp: 476898

Ion Ratio Lower Upper

91 100

92 57.5 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

300000

250000

200000

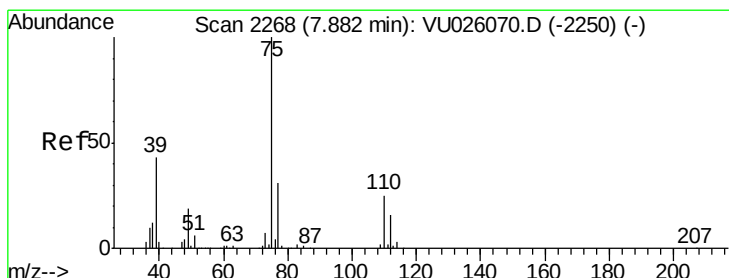
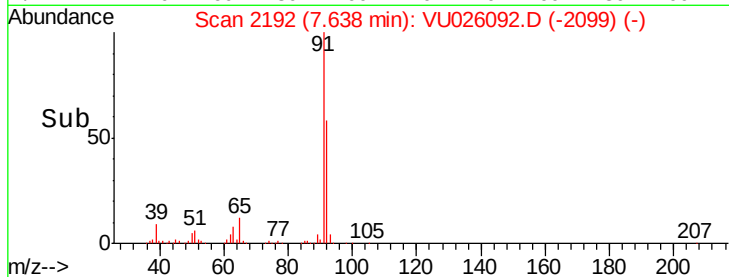
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 56.571 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026092.D

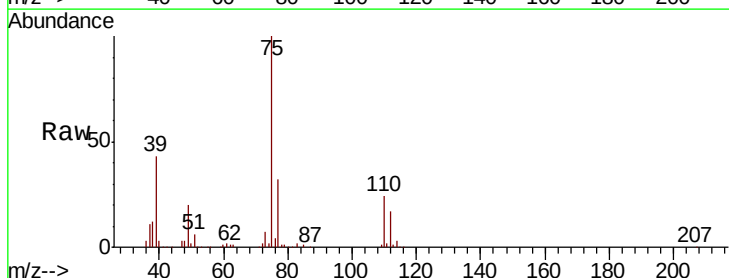
Acq: 14 Aug 2018 10:28

Tgt Ion: 75 Resp: 176477

Ion Ratio Lower Upper

75 100

77 31.7 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

120000

100000

80000

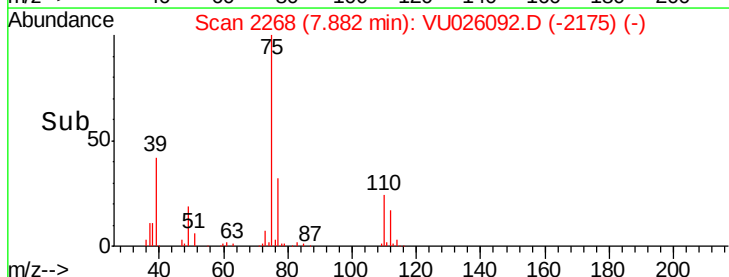
60000

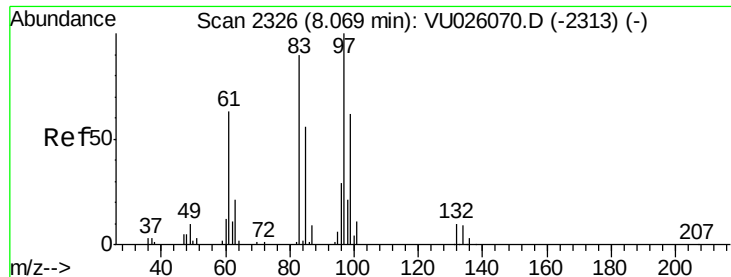
40000

20000

0

Time-->

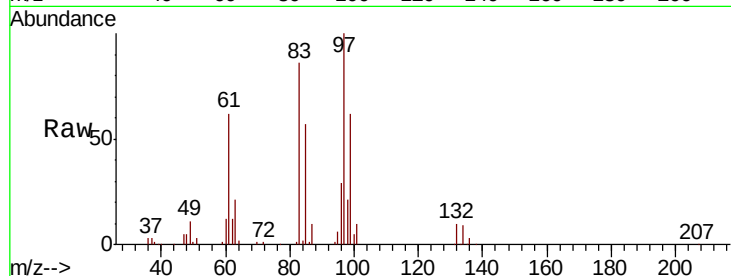




#45
 1,1,2-Trichloroethane
 Concen: 55.343 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tgt Ion:	97	Resp:	114101
Ion	Ratio	Lower	Upper
97	100		
99	62.4	41.6	77.2
83	86.1	59.0	109.6
85	56.9	37.9	70.5



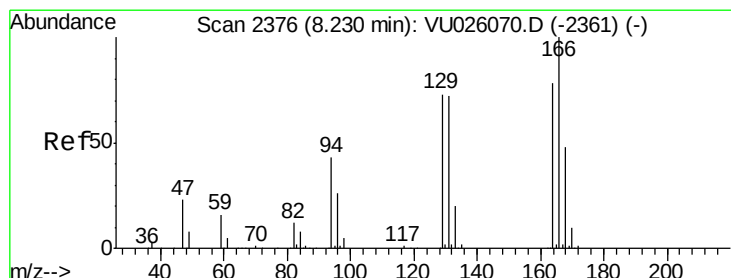
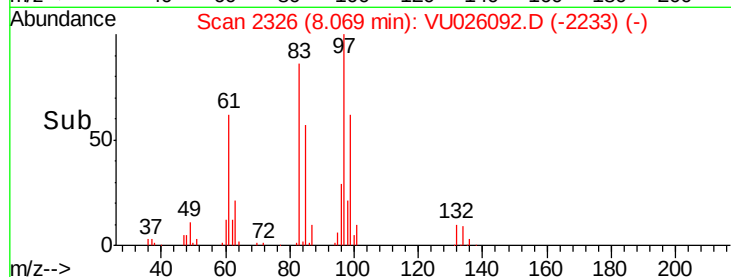
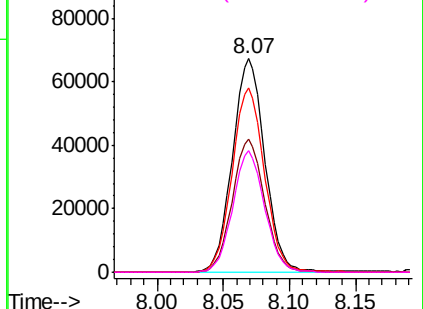
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

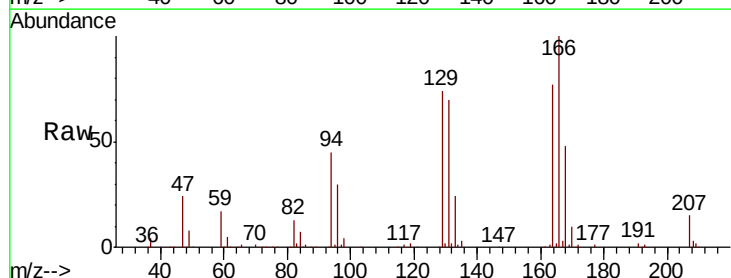
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 56.978 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

Tgt Ion:	164	Resp:	100118
Ion	Ratio	Lower	Upper
164	100		
129	95.2	64.8	120.3
131	90.3	62.8	116.6
166	129.3	89.0	165.4



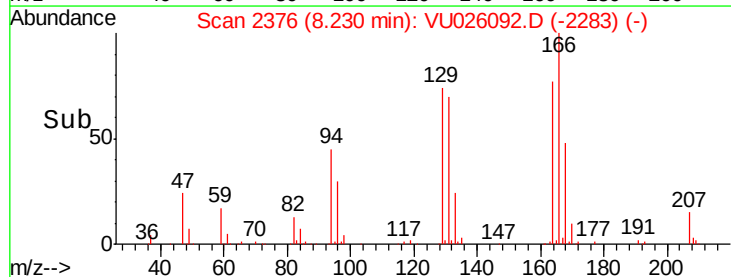
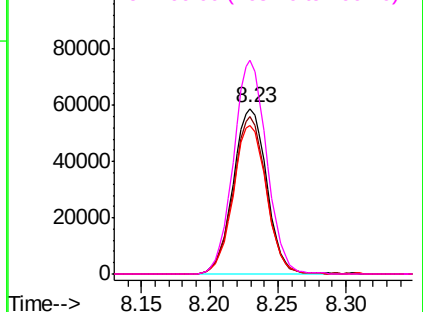
Abundance

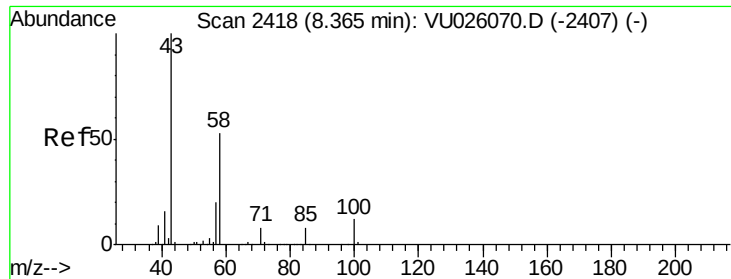
Ion 164.00 (163.70 to 164.70): V

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

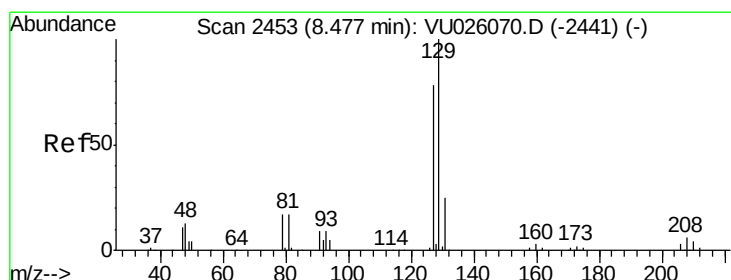
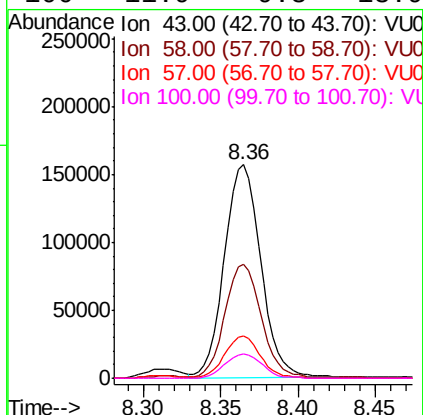
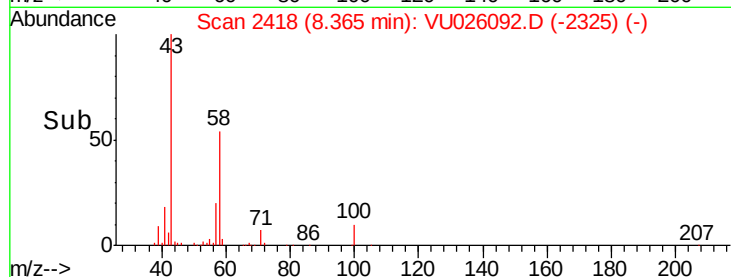
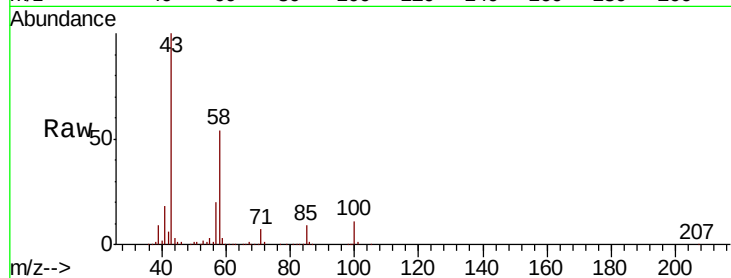




#48
2-Hexanone
Concen: 110.151 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026092.D
Acq: 14 Aug 2018 10:28

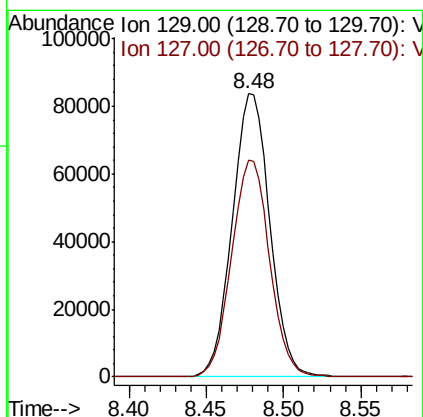
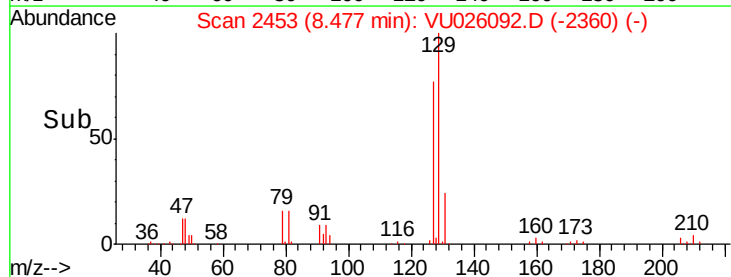
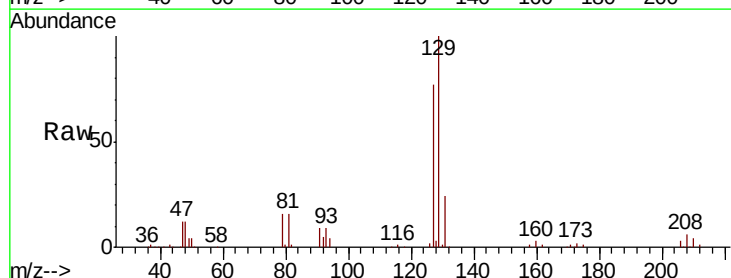
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

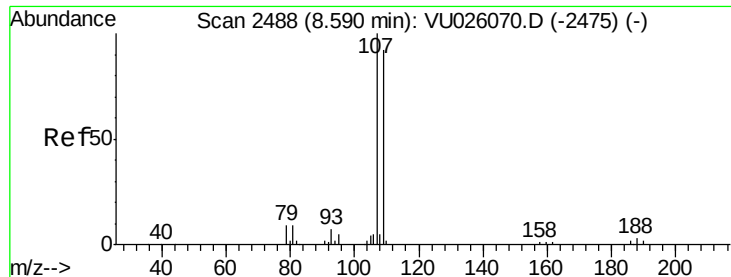
Tgt Ion:	43	Resp:	254982
Ion	Ratio	Lower	Upper
43	100		
58	53.3	43.6	65.4
57	19.0	15.1	22.7
100	11.9	9.3	13.9



#49
Dibromochloromethane
Concen: 56.823 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VU026092.D
Acq: 14 Aug 2018 10:28

Tgt Ion:	129	Resp:	141270
Ion	Ratio	Lower	Upper
129	100		
127	76.6	53.5	99.3

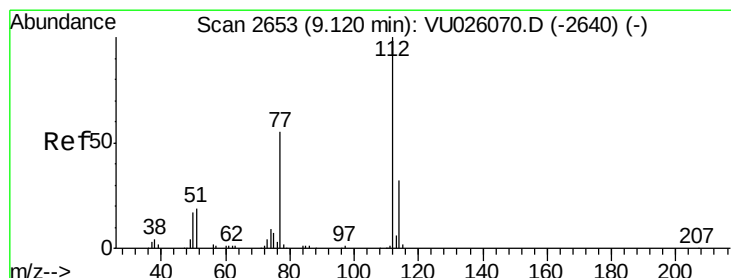
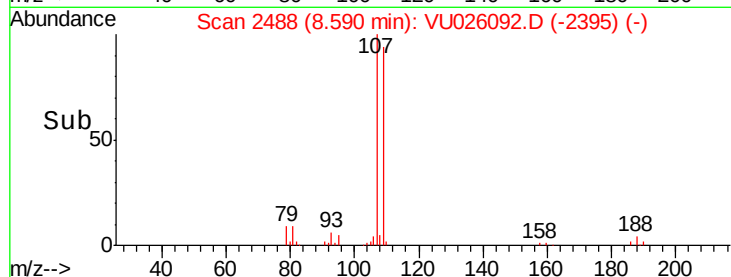
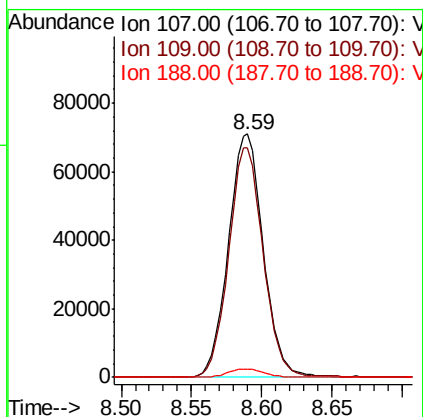
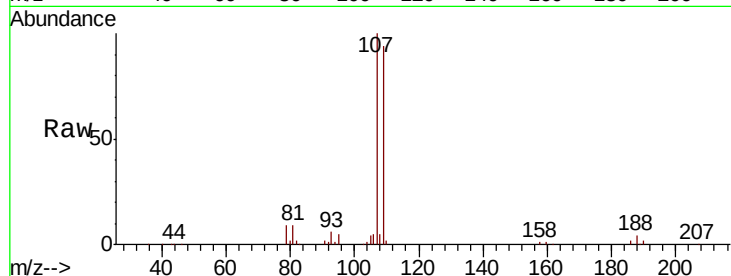




#50
 1,2-Dibromoethane
 Concen: 54.581 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

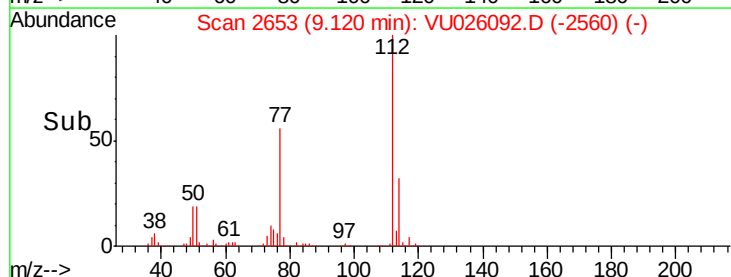
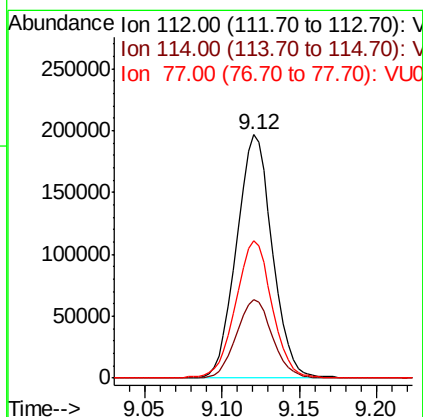
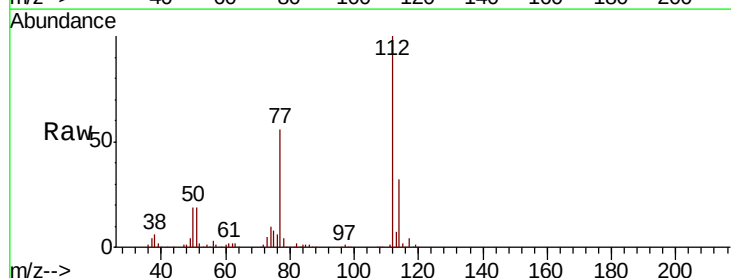
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

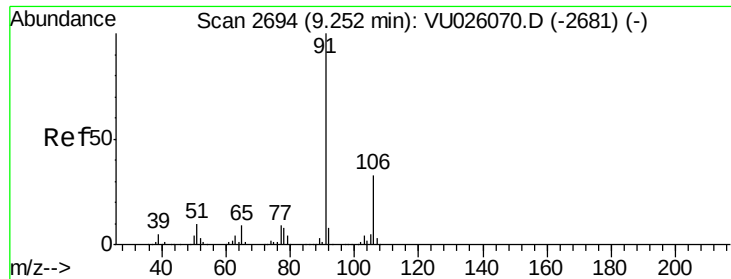
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	66.1	122.7
188	3.5	2.9	4.3



#51
 Chlorobenzene
 Concen: 55.888 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.3
77	56.4	45.2	67.8





#52

Ethylbenzene

Concen: 56.856 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

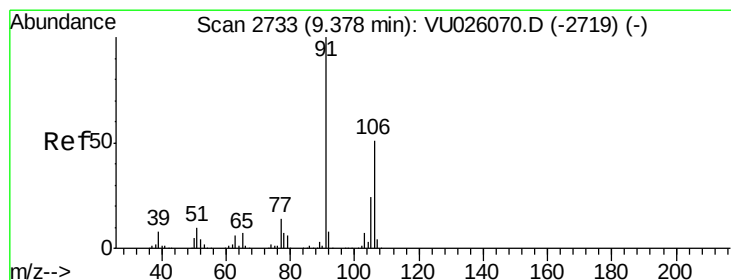
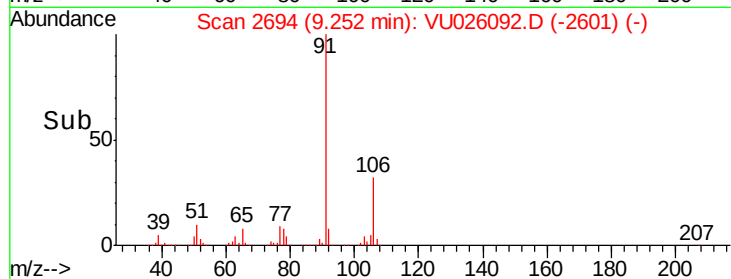
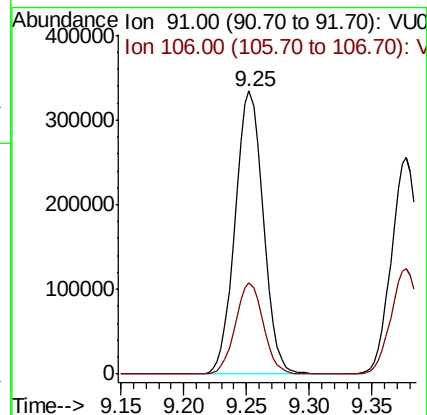
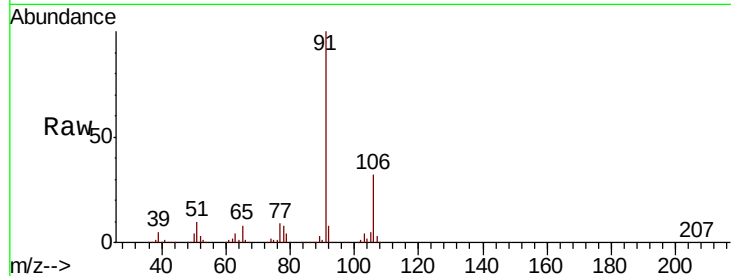
VSTD05056

Tgt Ion: 91 Resp: 521905

Ion Ratio Lower Upper

91 100

106 32.3 22.0 41.0



#53

m,p-Xylene

Concen: 58.292 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026092.D

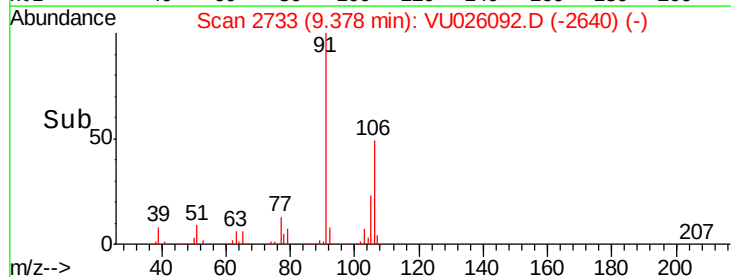
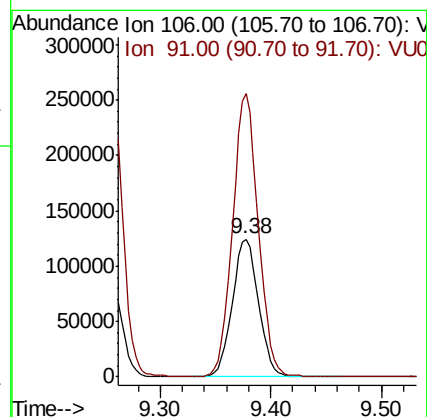
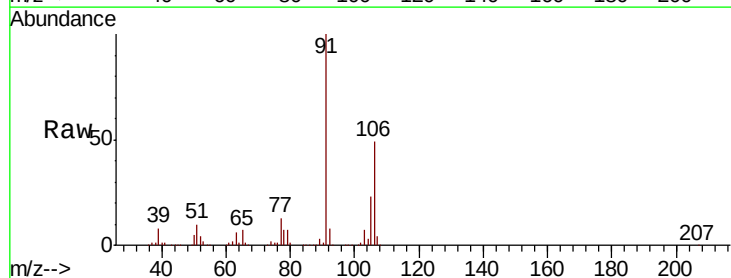
Acq: 14 Aug 2018 10:28

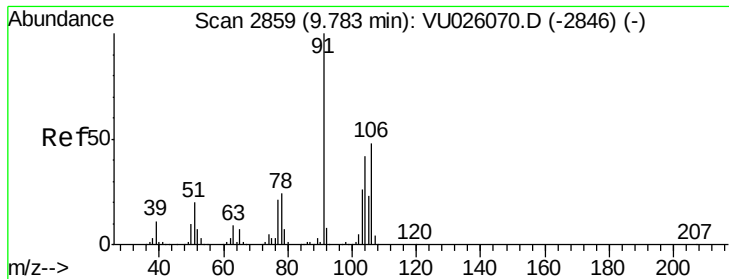
Tgt Ion: 106 Resp: 204462

Ion Ratio Lower Upper

106 100

91 205.4 141.3 262.5





#54

o-xylene

Concen: 58.140 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

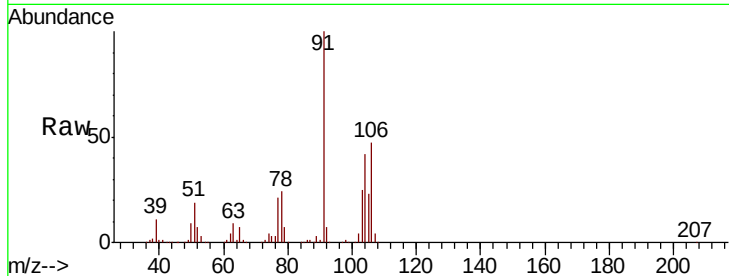
VSTD05056

Tgt Ion:106 Resp: 202397

Ion Ratio Lower Upper

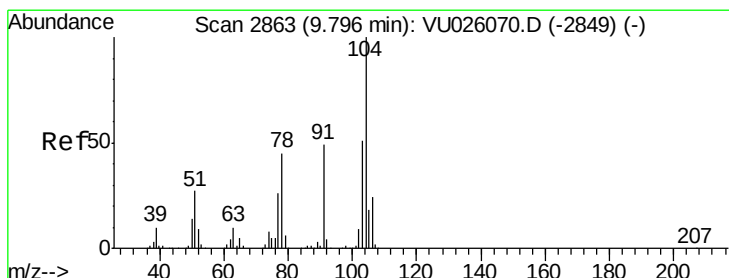
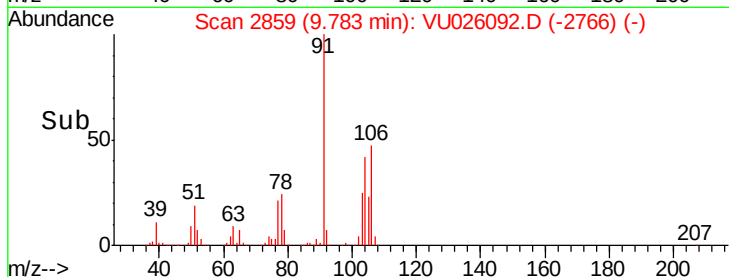
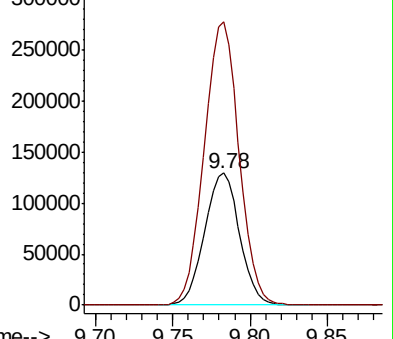
106 100

91 214.5 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 59.618 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026092.D

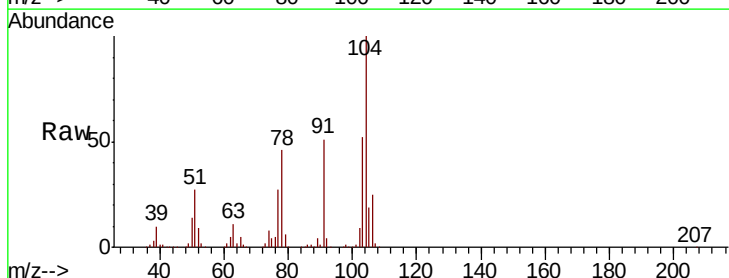
Acq: 14 Aug 2018 10:28

Tgt Ion:104 Resp: 345537

Ion Ratio Lower Upper

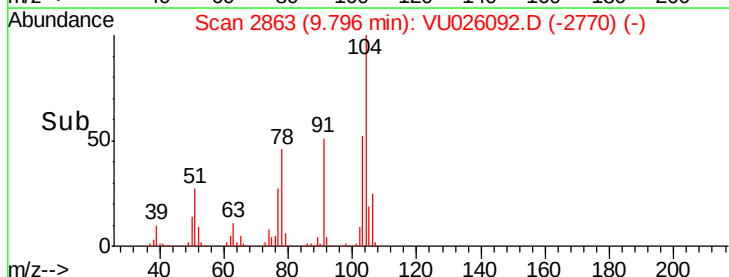
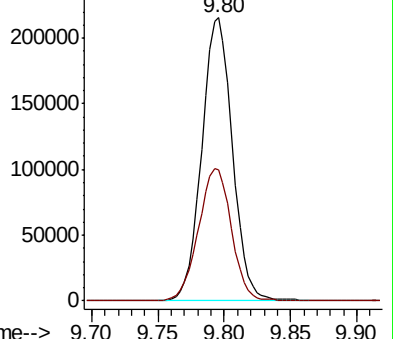
104 100

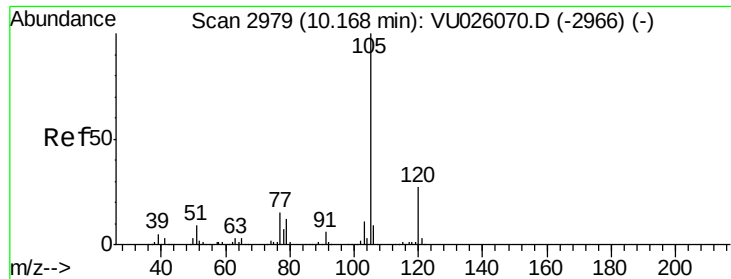
78 46.2 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 58.500 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

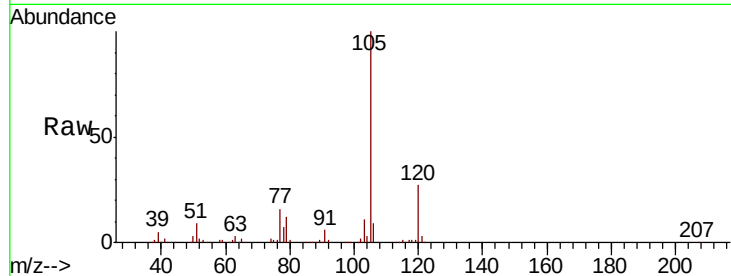
Tgt Ion: 105 Resp: 524640

Ion Ratio Lower Upper

105 100

120 27.3 21.7 32.5

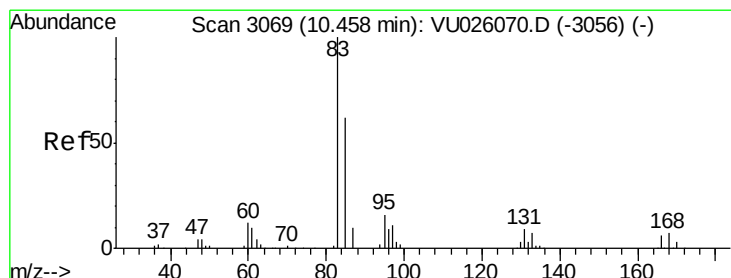
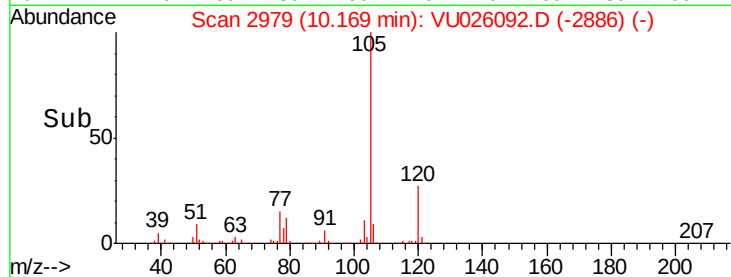
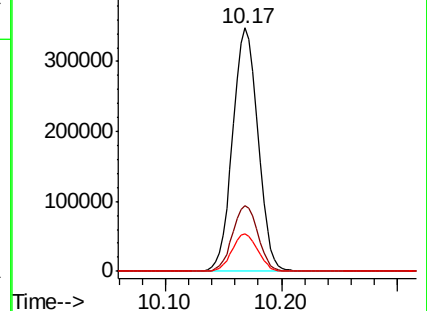
77 15.8 12.6 18.8



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: 54.202 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

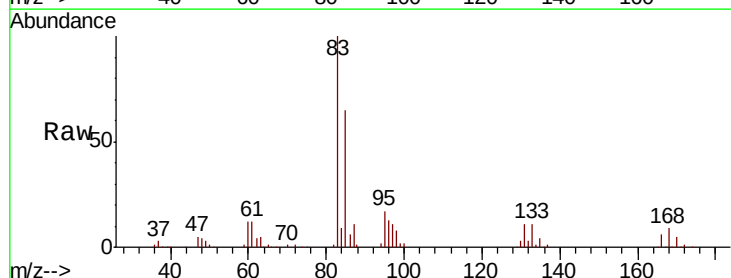
Tgt Ion: 83 Resp: 189925

Ion Ratio Lower Upper

83 100

85 64.5 45.0 83.6

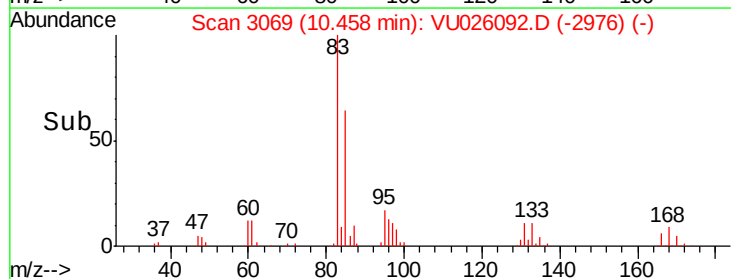
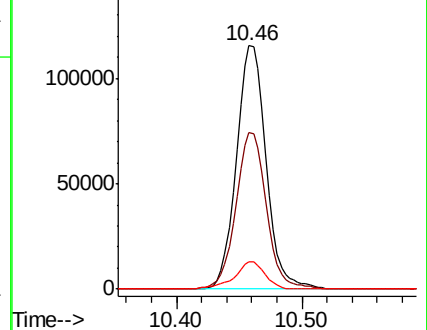
131 11.1 8.6 12.8

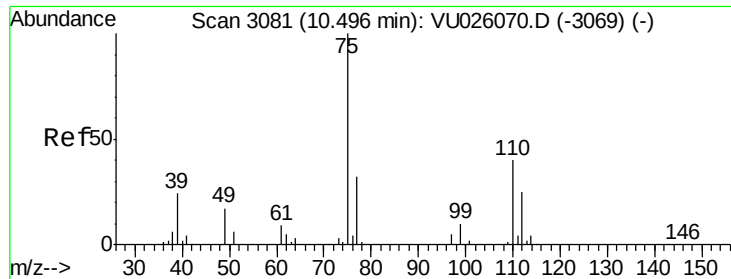


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

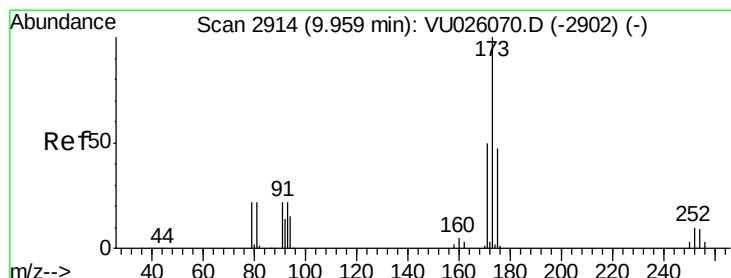
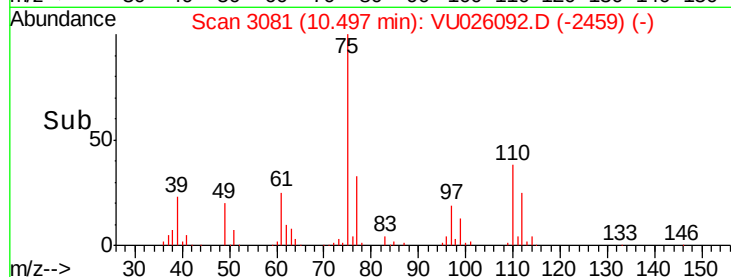
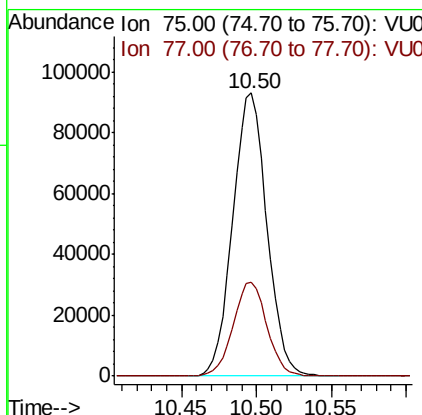
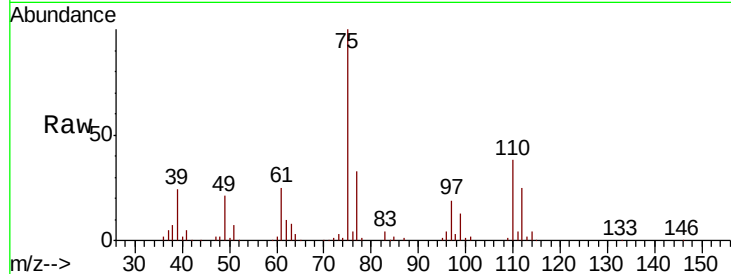




#59
 1,2,3-Trichloropropane
 Concen: 53.062 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

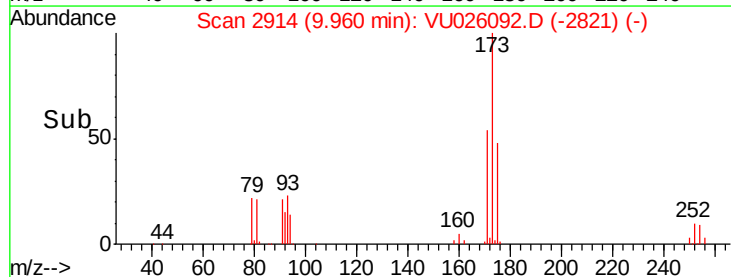
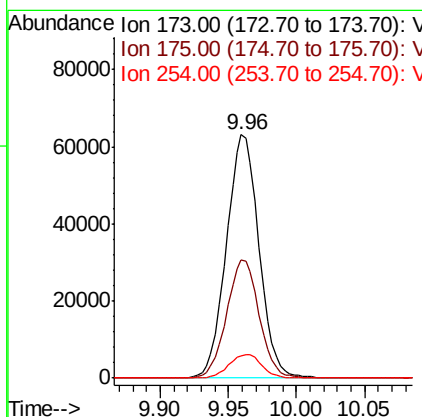
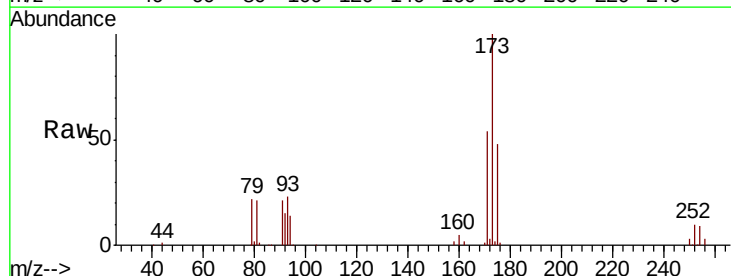
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

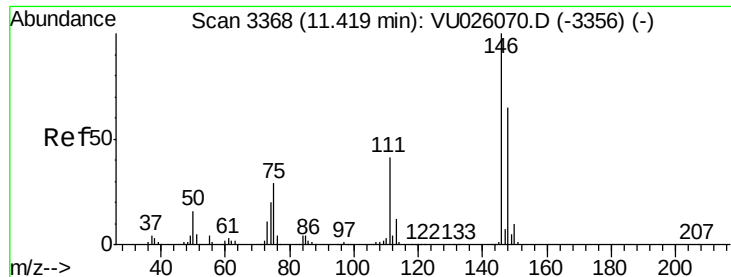
Tgt Ion: 75 Resp: 147993
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.3 37.9



#61
 Bromoform
 Concen: 52.790 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

Tgt Ion: 173 Resp: 104634
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.9 58.3
 254 9.8 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 55.056 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

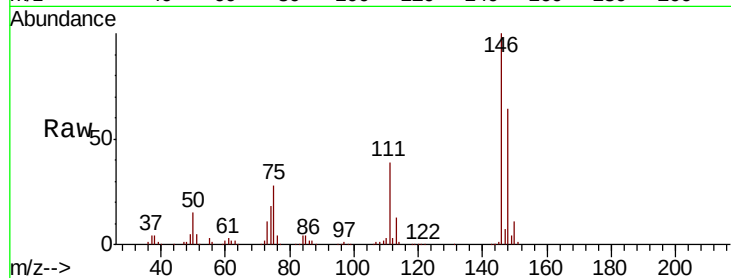
Tgt Ion:146 Resp: 250913

Ion Ratio Lower Upper

146 100

111 38.7 27.9 51.9

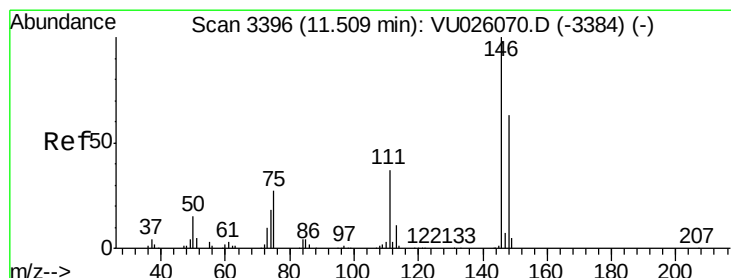
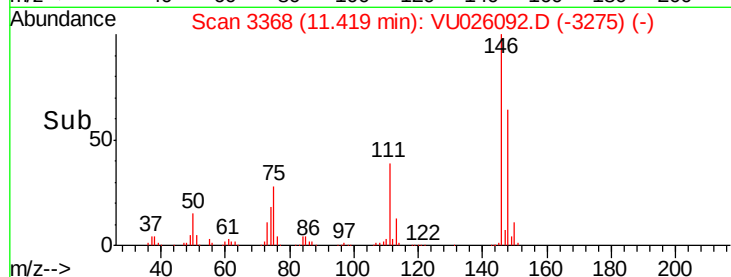
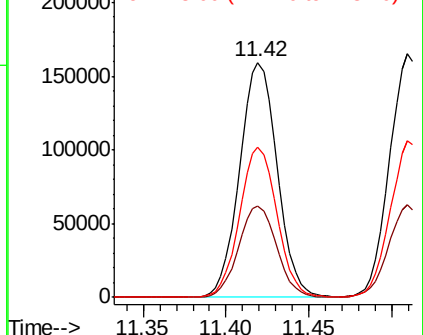
148 63.6 46.0 85.4



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: 53.581 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

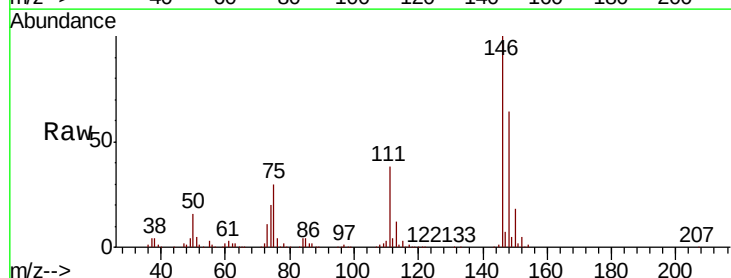
Tgt Ion:146 Resp: 255984

Ion Ratio Lower Upper

146 100

111 37.9 26.4 49.0

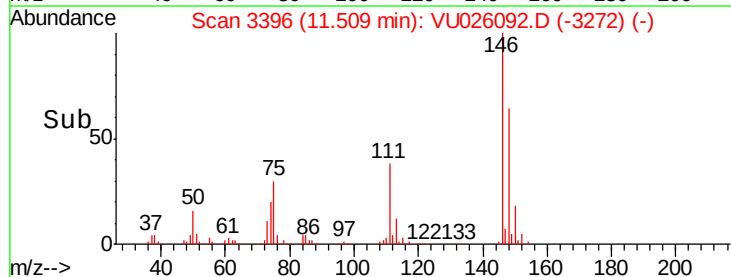
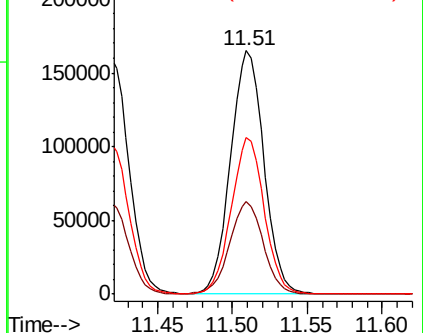
148 64.1 43.8 81.4

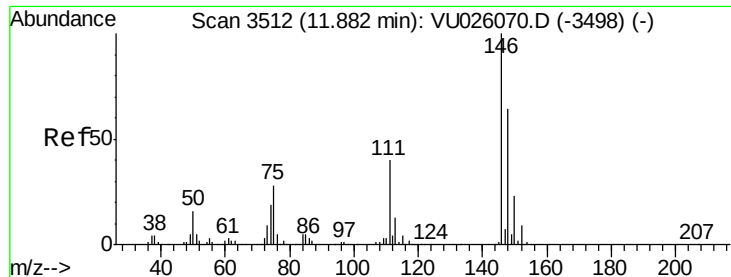


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

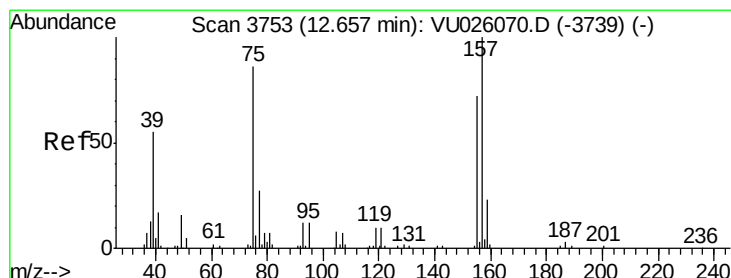
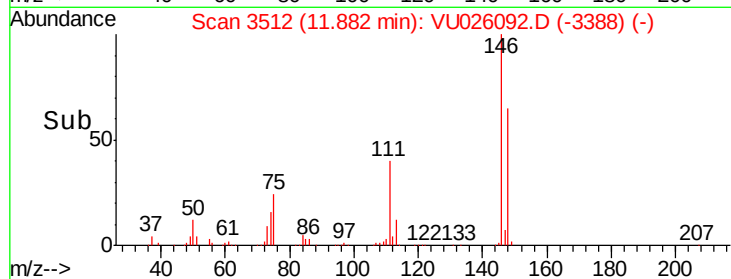
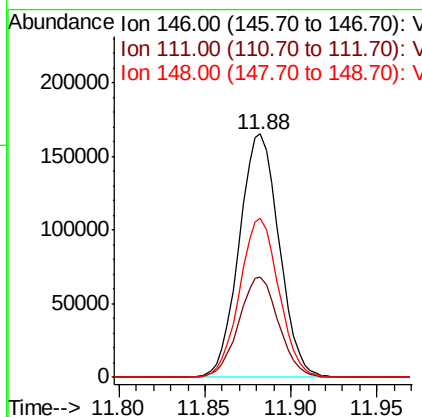
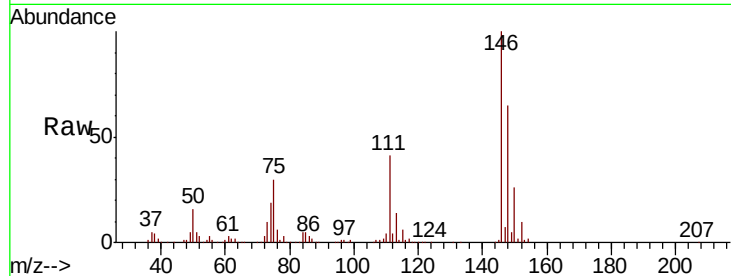




#65
 1,2-Dichlorobenzene
 Concen: 54.920 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

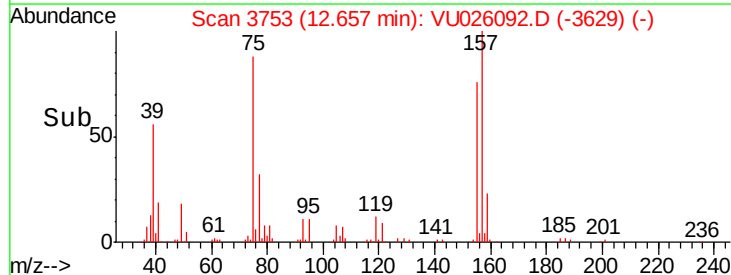
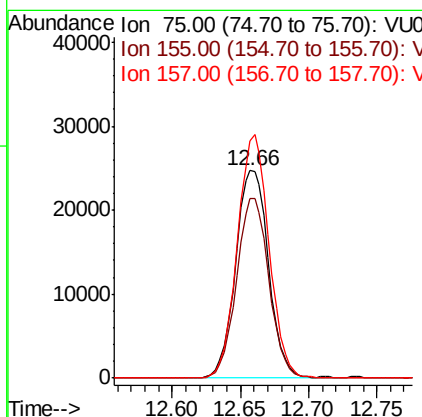
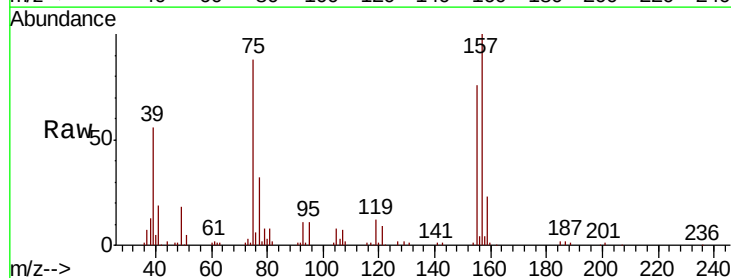
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

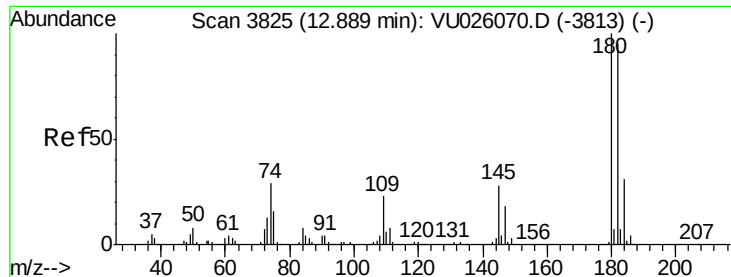
Tgt Ion: 146 Resp: 266421
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.4 48.6
 148 65.2 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.612 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

Tgt Ion: 75 Resp: 41390
 Ion Ratio Lower Upper
 75 100
 155 86.5 71.8 107.8
 157 114.0 93.0 139.6

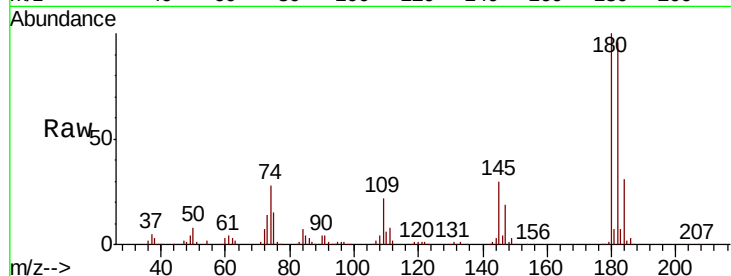




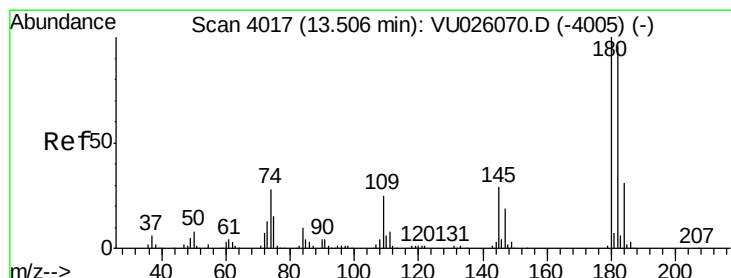
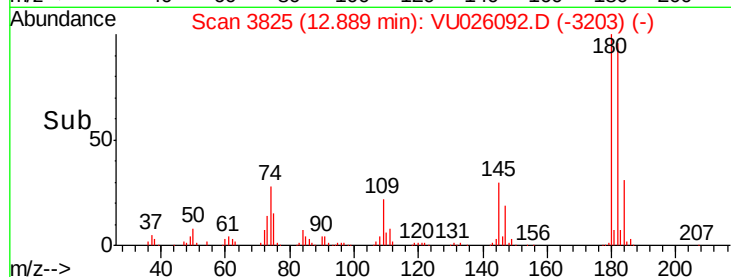
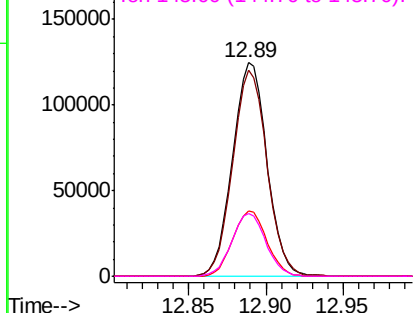
#67
 1,3,5-Trichlorobenzene
 Concen: 56.378 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tgt Ion:	180	Resp:	192031
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.5	114.7
184	30.4	24.3	36.5
145	29.0	23.5	35.3

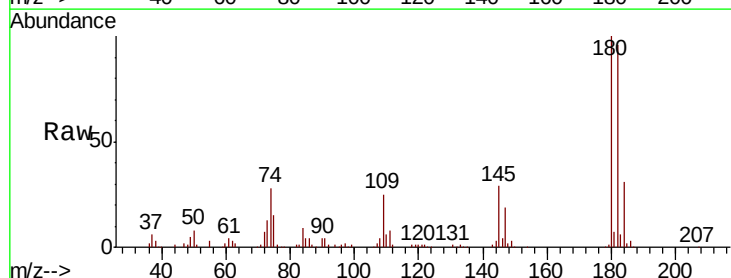


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

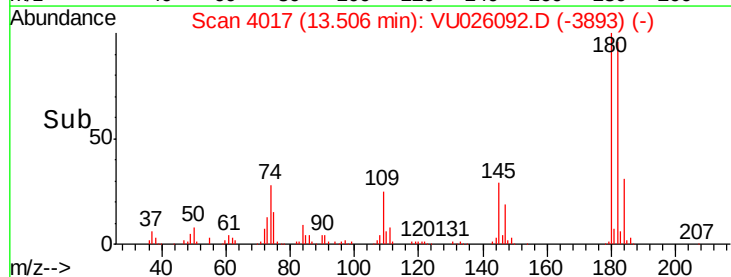
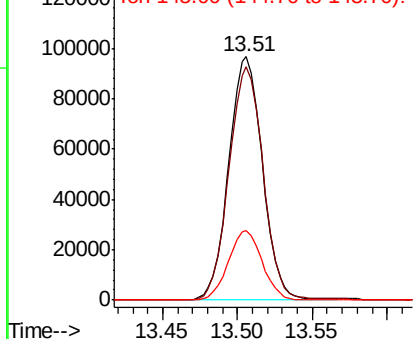


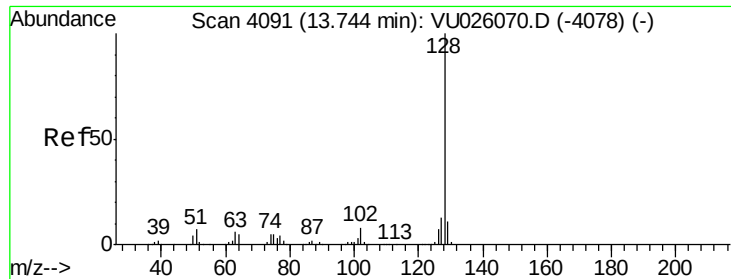
#68
 1,2,4-trichlorobenzene
 Concen: 52.991 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026092.D
 Acq: 14 Aug 2018 10:28

Tgt Ion:	180	Resp:	152635
Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.5	114.7
145	28.7	24.2	36.4



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: 48.111 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

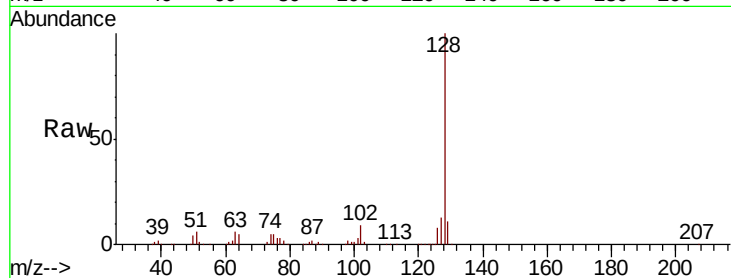
Tgt Ion:128 Resp: 447070

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

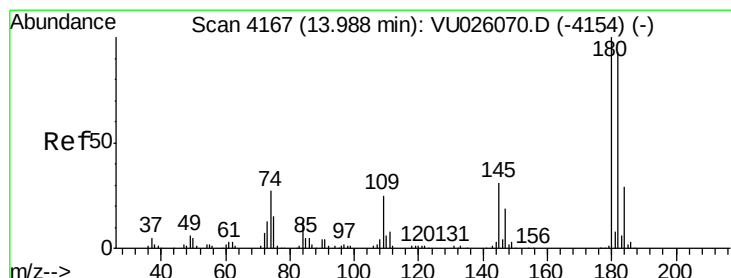
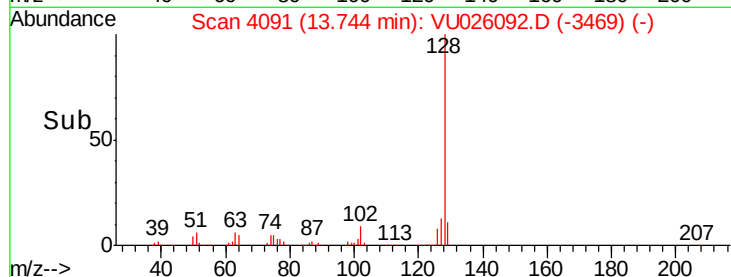
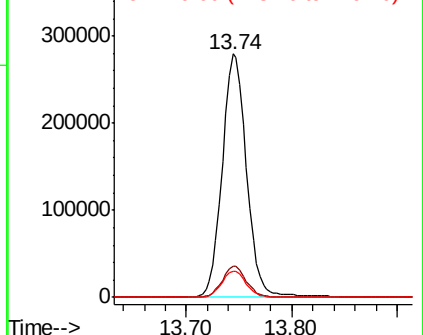
129 10.8 8.6 13.0



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: 53.564 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026092.D

Acq: 14 Aug 2018 10:28

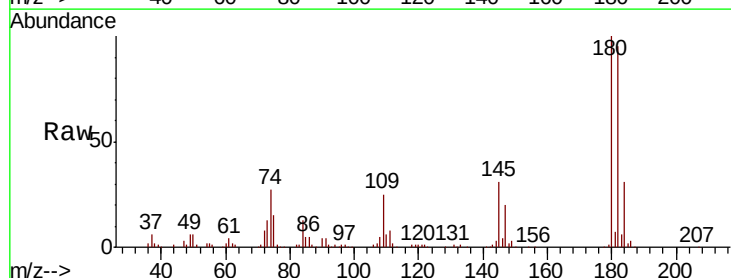
Tgt Ion:180 Resp: 165827

Ion Ratio Lower Upper

180 100

182 95.5 76.5 114.7

145 30.2 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

