

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U120718\
 Data File : VU028526.D
 Acq On : 07 Dec 2018 12:21
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV59

Quant Time: Dec 07 22:56:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 22:52:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	157528	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	147222	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	72460	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76778	54.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.48%
7) Chloroethane-d5	1.68	69	59001	54.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.84%
11) 1,1-Dichloroethene-d2	2.27	63	132945	52.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.94%
21) 2-Butanone-d5	4.17	46	126356	109.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.73%
24) Chloroform-d	4.65	84	122886	54.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.24%
26) 1,2-Dichloroethane-d4	5.31	65	81309	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
32) Benzene-d6	5.34	84	256029	56.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.14%
36) 1,2-Dichloropropane-d6	6.33	67	90885	55.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.38%
41) Toluene-d8	7.56	98	228078	55.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.22%
43) trans-1,3-Dichloropropene-	7.85	79	42908	57.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	115.06%
47) 2-Hexanone-d5	8.31	63	88098	111.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	116757	55.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.84%
64) 1,2-Dichlorobenzene-d4	11.86	152	80527	55.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	63701	46.445 ug/L	98
3) Chloromethane	1.33	50	99555	49.775 ug/L	98
5) Vinyl chloride	1.40	62	85097	49.740 ug/L	98
6) Bromomethane	1.62	94	26673	54.699 ug/L	93
8) Chloroethane	1.70	64	48447	50.315 ug/L	99
9) Trichlorofluoromethane	1.89	101	89419	50.916 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	55421	53.964 ug/L	98
12) 1,1-Dichloroethene	2.28	96	51791	52.567 ug/L	94
13) Acetone	2.32	43	113359	94.593 ug/L	99
14) Carbon disulfide	2.48	76	188619	50.748 ug/L	98
15) Methyl Acetate	2.61	43	89559	50.895 ug/L	99
16) Methylene chloride	2.70	84	65828	51.646 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	59756	53.386 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	198402	51.107 ug/L	100
19) 1,1-Dichloroethane	3.44	63	125713	51.933 ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	67111	51.981 ug/L	100
22) 2-Butanone	4.26	43	143792	97.153 ug/L	98

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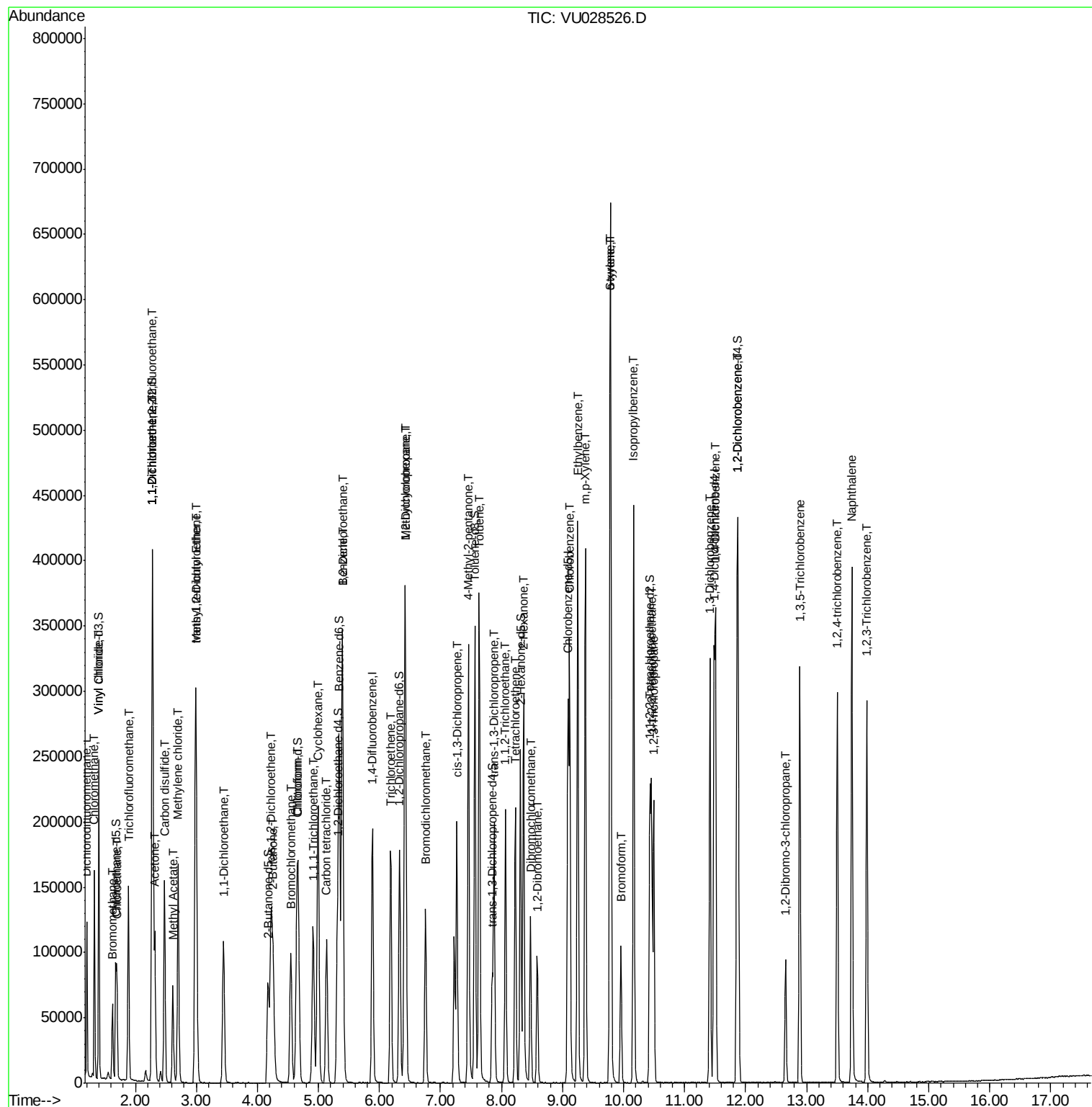
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	30770	54.369	ug/L	98
25) Chloroform	4.67	83	116731	52.765	ug/L	98
27) 1,2-Dichloroethane	5.40	62	93829	51.214	ug/L	100
29) Cyclohexane	4.99	56	122386	51.856	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	93100	53.882	ug/L	99
31) Carbon tetrachloride	5.13	117	74549	53.643	ug/L	98
33) Benzene	5.39	78	267220	53.279	ug/L	100
34) Trichloroethene	6.18	95	64713	53.665	ug/L	98
35) Methylcyclohexane	6.41	83	110566	53.012	ug/L	99
37) 1,2-Dichloropropane	6.43	63	78901	53.073	ug/L	100
38) Bromodichloromethane	6.76	83	88443	53.732	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	115255	54.555	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	242103	103.802	ug/L	100
42) Toluene	7.64	91	274883	53.966	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	105764	54.635	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	62655	54.005	ug/L	99
46) Tetrachloroethene	8.22	164	45629	54.001	ug/L	98
48) 2-Hexanone	8.36	43	198253	101.335	ug/L	99
49) Dibromochloromethane	8.48	129	62209	52.688	ug/L	100
50) 1,2-Dibromoethane	8.58	107	65015	52.457	ug/L	97
51) Chlorobenzene	9.12	112	162025	53.263	ug/L	98
52) Ethylbenzene	9.25	91	300885	53.461	ug/L	100
53) m,p-Xylene	9.37	106	108959	54.136	ug/L	98
54) o-xylene	9.78	106	105772	53.157	ug/L	95
55) Styrene	9.79	104	186107	54.562	ug/L	98
56) Isopropylbenzene	10.16	105	280363	53.350	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	114140	53.102	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	89798	53.117	ug/L	100
61) Bromoform	9.96	173	46150	52.264	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	123877	52.863	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	127106	53.809	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	123758	53.100	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	24186	52.368	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	96327	55.664	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	87088	54.064	ug/L	97
69) Naphthalene	13.74	128	294536	53.061	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	88176	54.483	ug/L	99

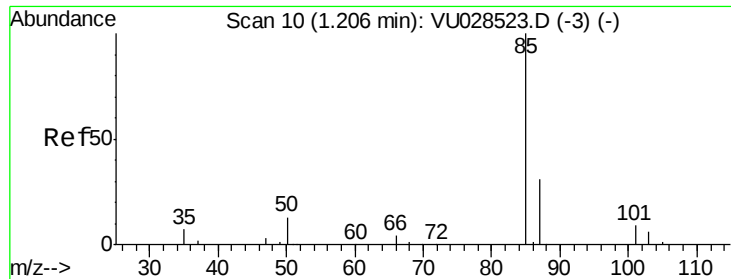
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.445 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

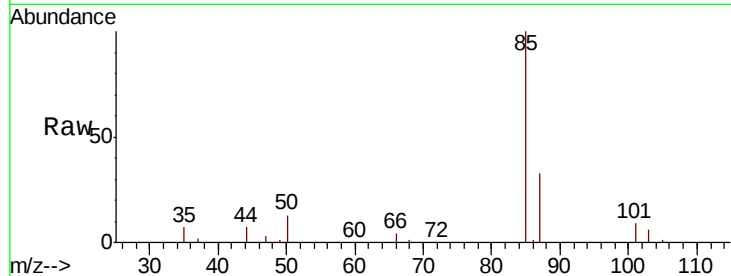
VICV59

Tgt Ion: 85 Resp: 63701

Ion Ratio Lower Upper

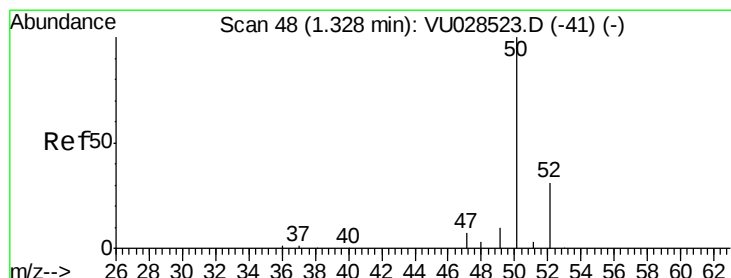
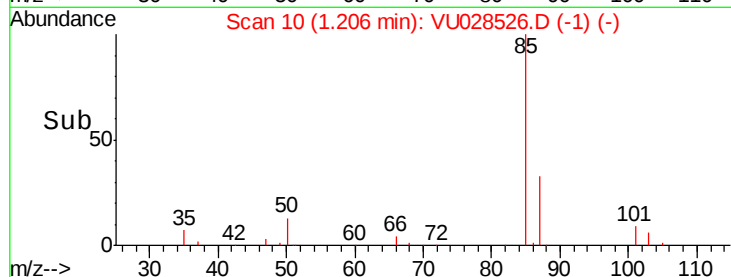
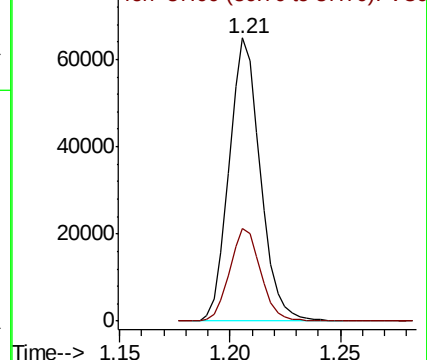
85 100

87 32.6 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 49.775 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028526.D

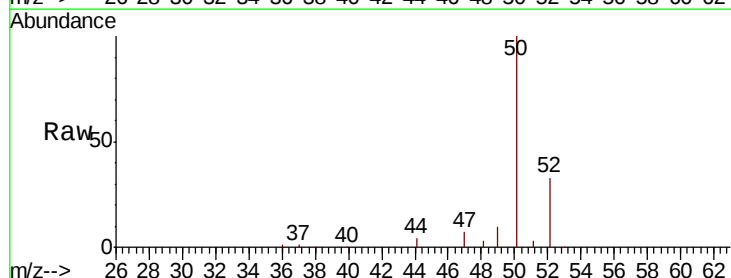
Acq: 07 Dec 2018 12:21

Tgt Ion: 50 Resp: 99555

Ion Ratio Lower Upper

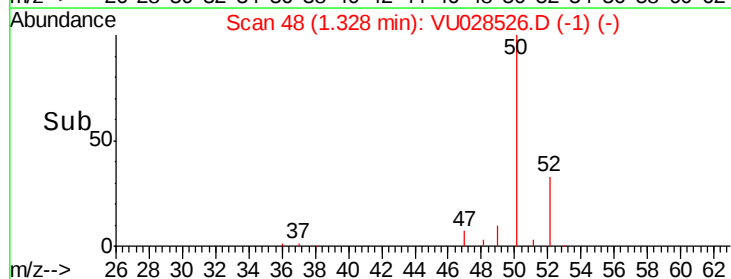
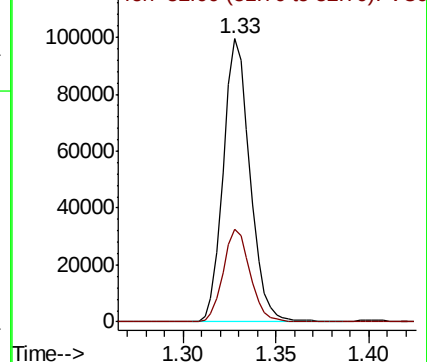
50 100

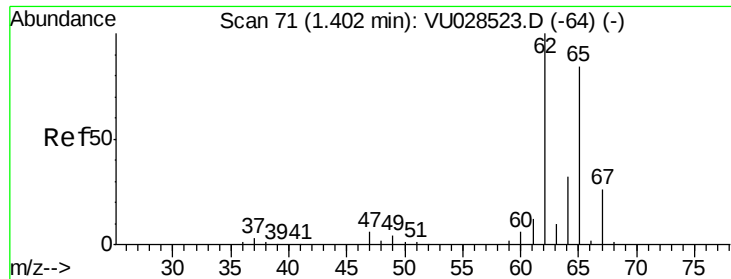
52 32.8 22.0 41.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 49.740 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

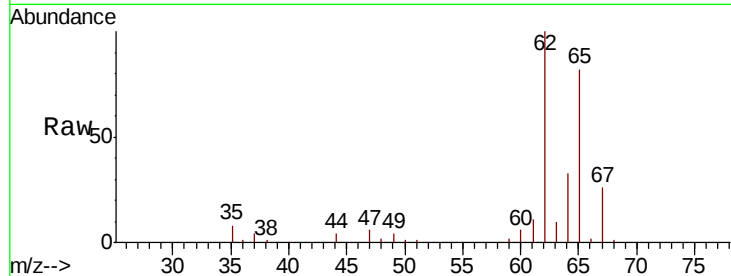
VICV59

Tgt Ion: 62 Resp: 85097

Ion Ratio Lower Upper

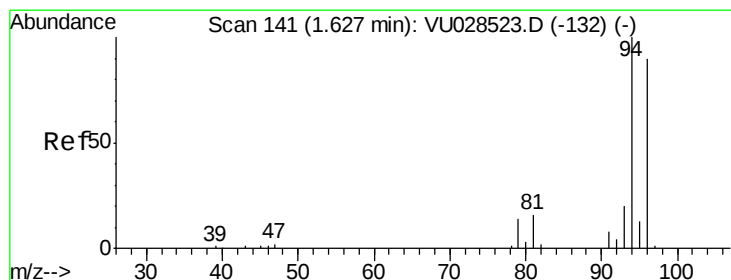
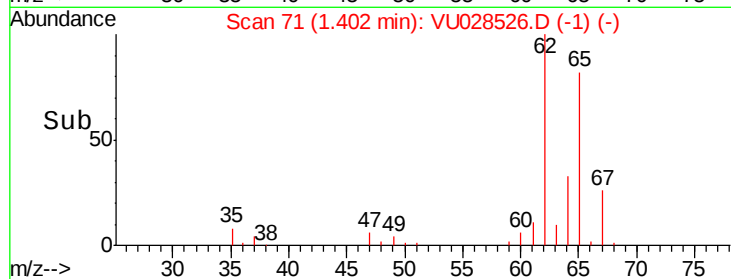
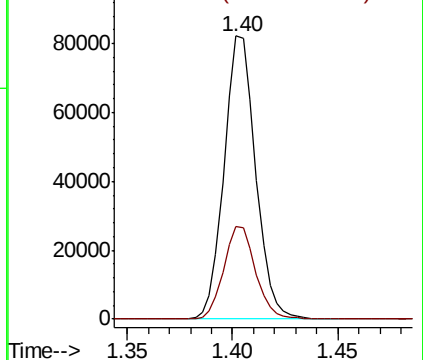
62 100

64 32.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 54.699 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.00 min

Lab File: VU028526.D

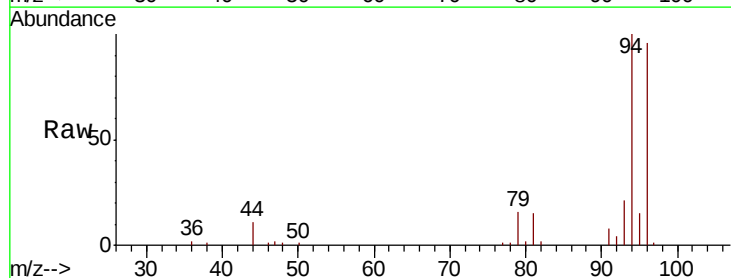
Acq: 07 Dec 2018 12:21

Tgt Ion: 94 Resp: 26673

Ion Ratio Lower Upper

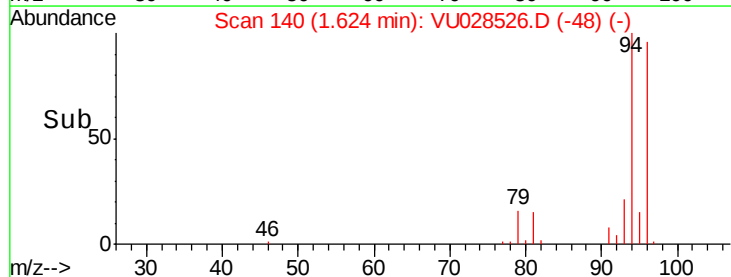
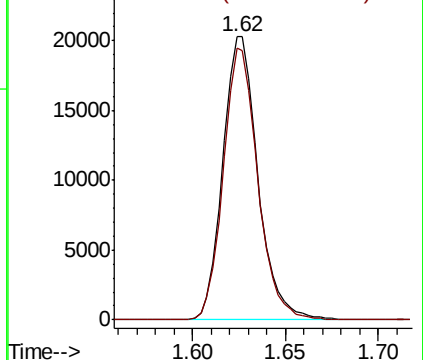
94 100

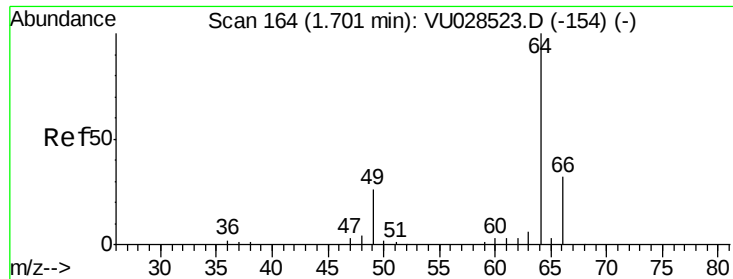
96 96.1 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 50.315 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

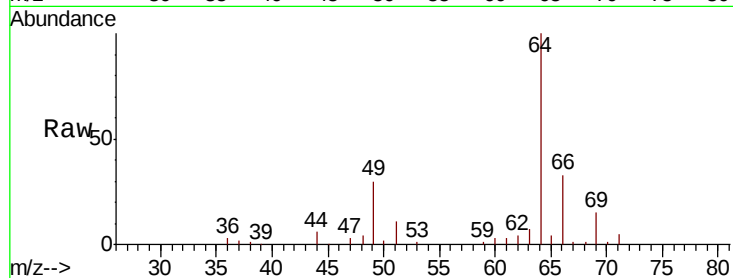
VICV59

Tgt Ion: 64 Resp: 48447

Ion Ratio Lower Upper

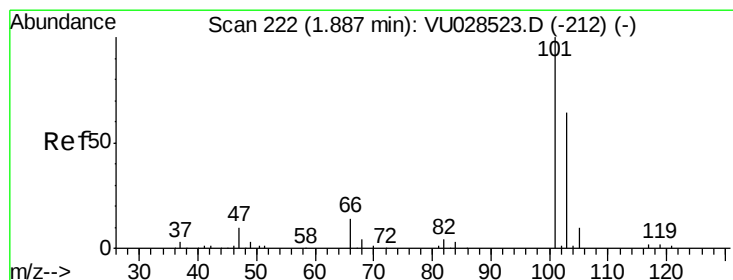
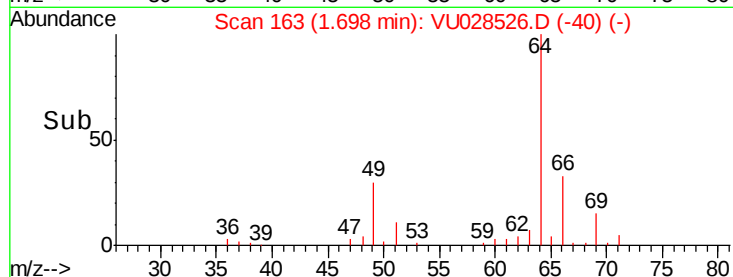
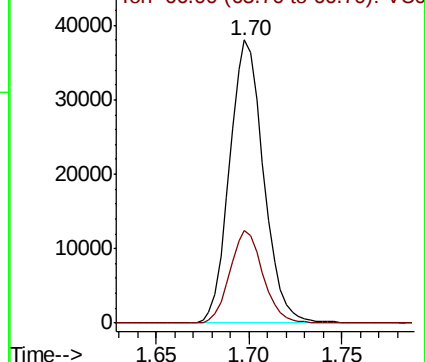
64 100

66 32.8 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 50.916 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU028526.D

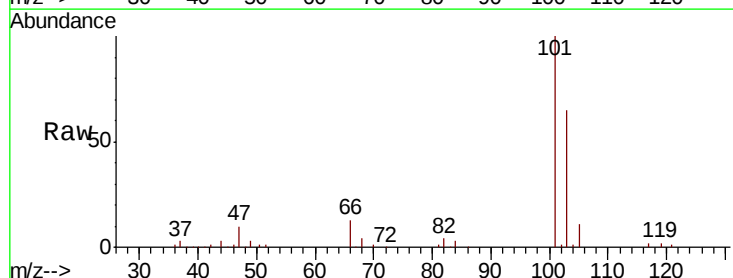
Acq: 07 Dec 2018 12:21

Tgt Ion: 101 Resp: 89419

Ion Ratio Lower Upper

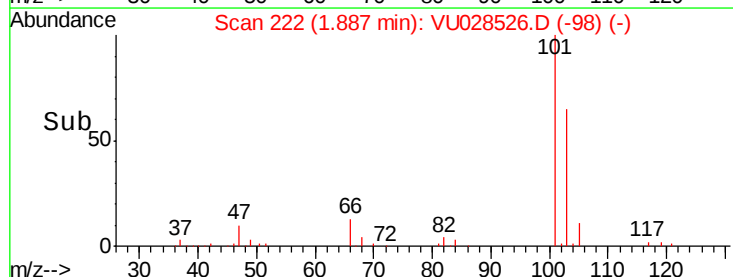
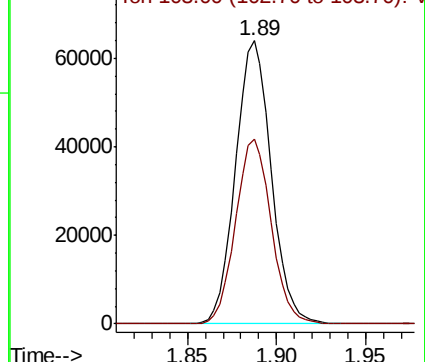
101 100

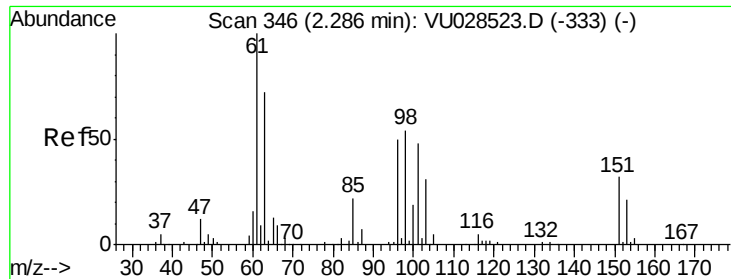
103 65.2 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 53.964 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

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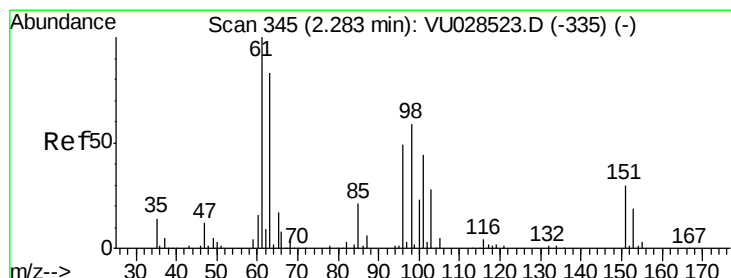
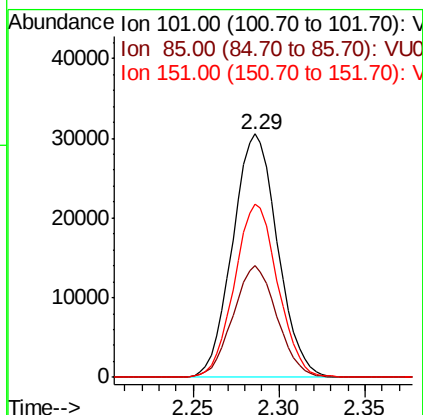
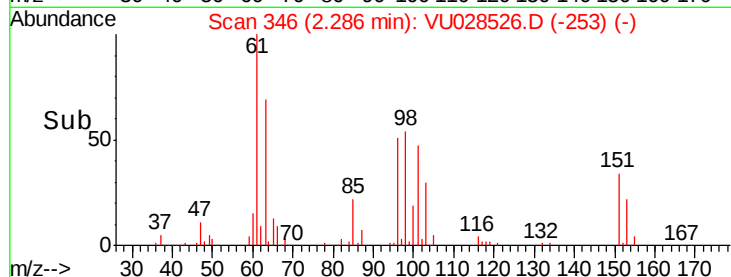
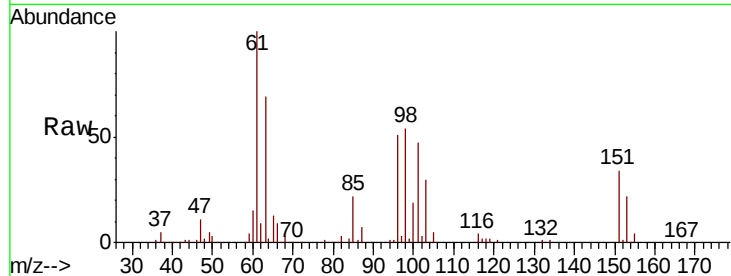
Tgt Ion:101 Resp: 55421

Ion Ratio Lower Upper

101 100

85 44.8 36.8 55.2

151 68.7 55.8 83.8



#12

1,1-Dichloroethene

Concen: 52.567 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

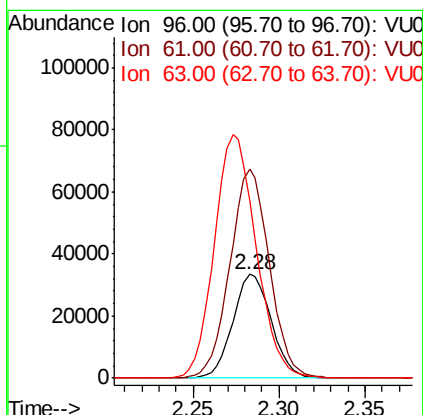
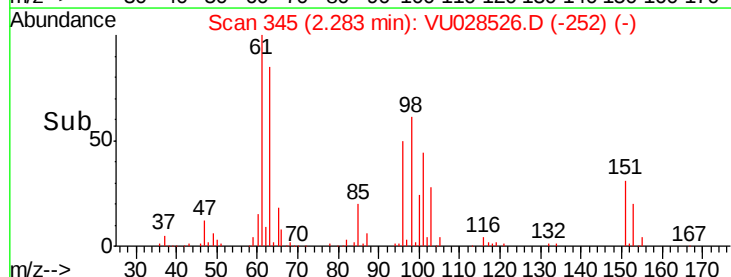
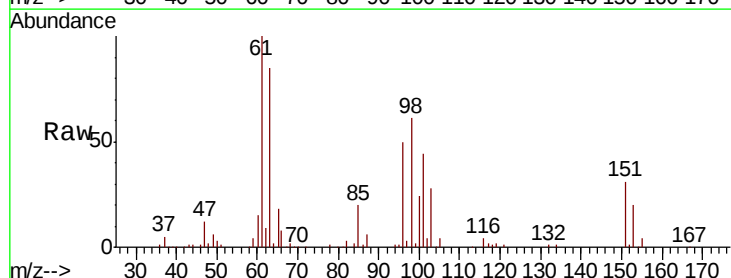
Tgt Ion: 96 Resp: 51791

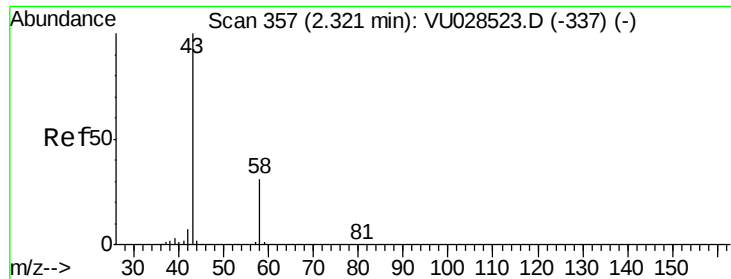
Ion Ratio Lower Upper

96 100

61 201.2 143.2 266.0

63 170.4 130.1 241.7





#13

Acetone

Concen: 94.593 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

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ClientSampleId :

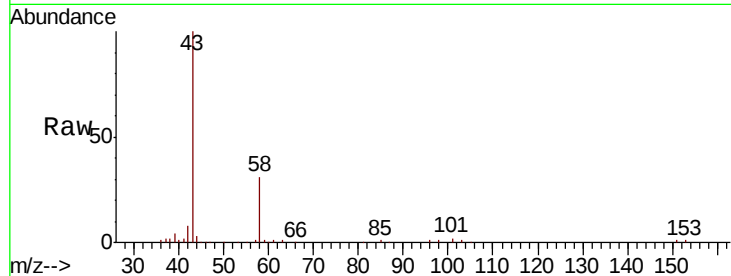
VICV59

Tgt Ion: 43 Resp: 113359

Ion Ratio Lower Upper

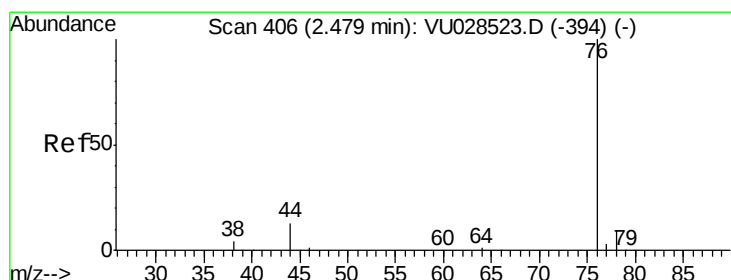
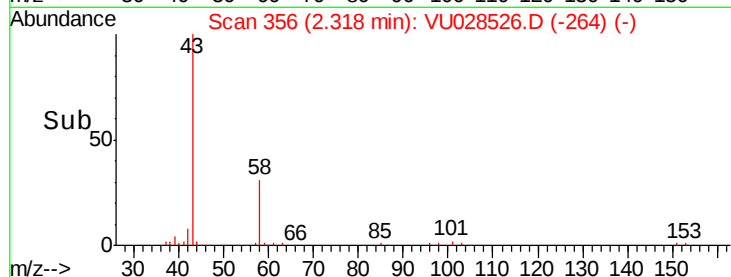
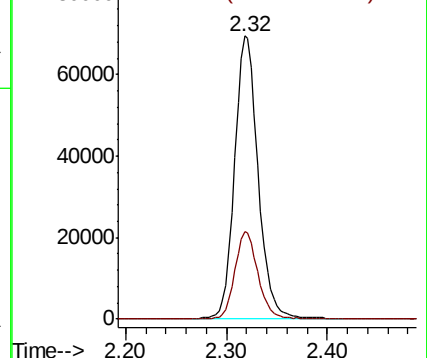
43 100

58 30.3 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 50.748 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028526.D

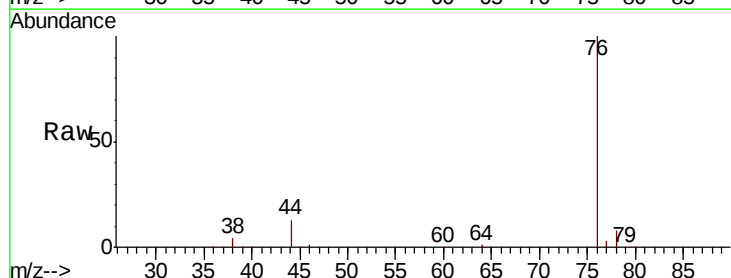
Acq: 07 Dec 2018 12:21

Tgt Ion: 76 Resp: 188619

Ion Ratio Lower Upper

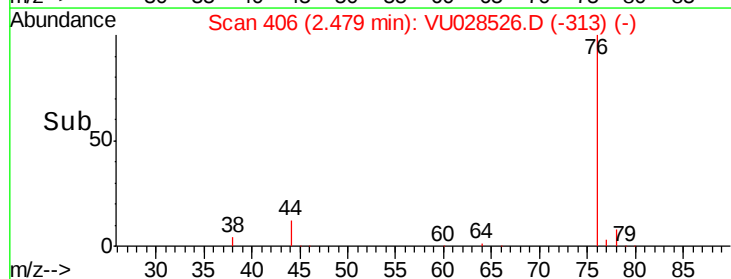
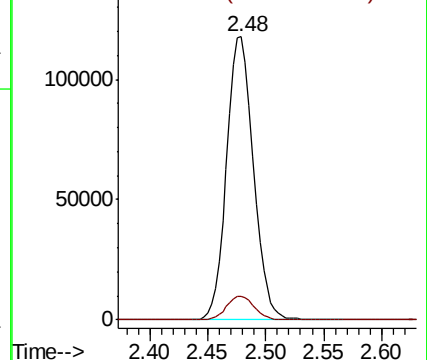
76 100

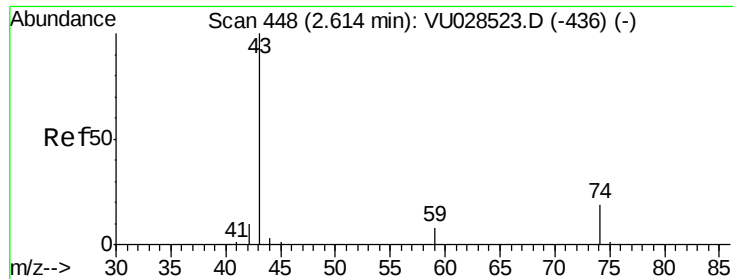
78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 50.895 ug/L

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

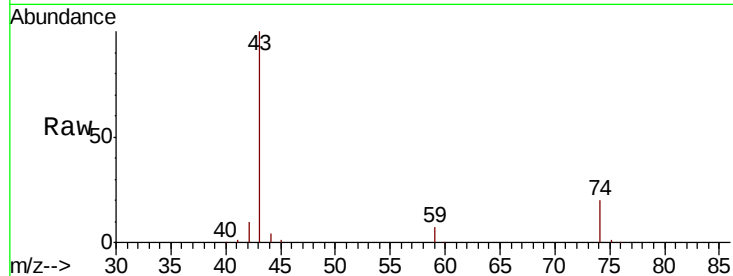
VICV59

Tgt Ion: 43 Resp: 89559

Ion Ratio Lower Upper

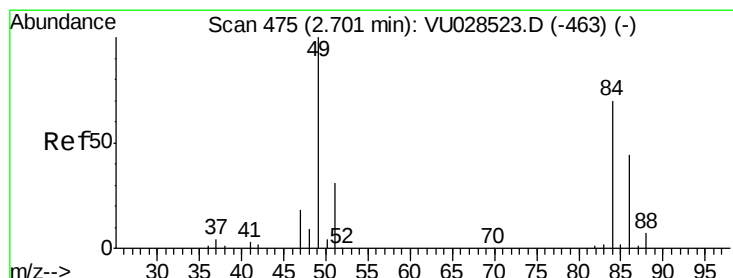
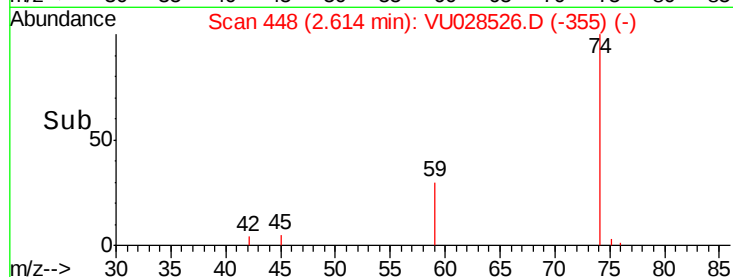
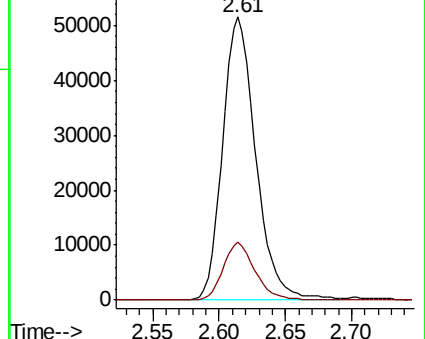
43 100

74 19.6 15.4 23.0



Abundance Ion 43.00 (42.70 to 43.70): VU028526.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU028526.D (-355) (-)



#16

Methylene chloride

Concen: 51.646 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

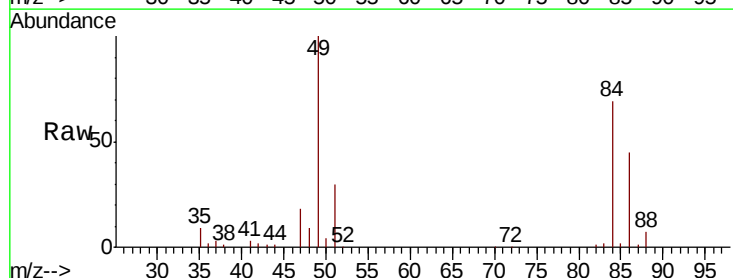
Tgt Ion: 84 Resp: 65828

Ion Ratio Lower Upper

84 100

86 65.3 44.3 82.3

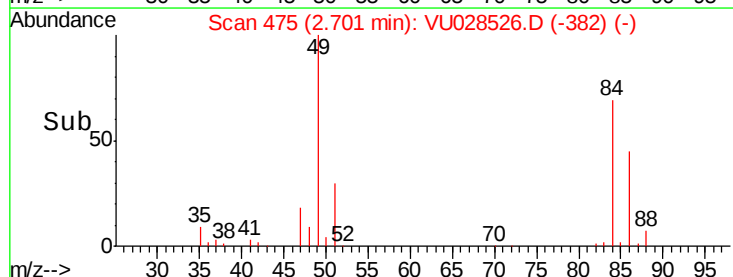
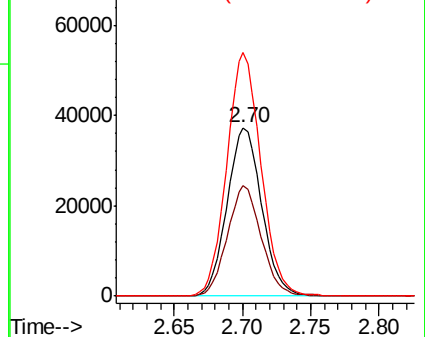
49 144.4 100.0 185.6

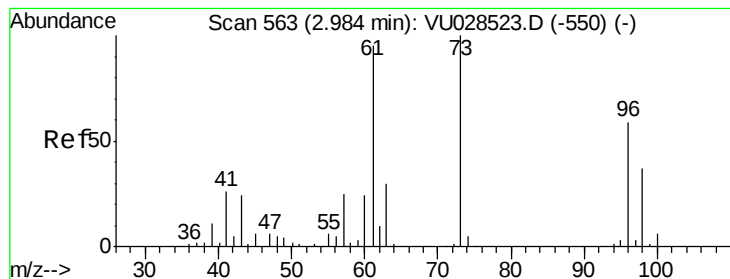


Abundance Ion 84.00 (83.70 to 84.70): VU028526.D (-382) (-)

Ion 86.00 (85.70 to 86.70): VU028526.D (-382) (-)

Ion 49.00 (48.70 to 49.70): VU028526.D (-382) (-)





#17

trans-1,2-Dichloroethene

Concen: 53.386 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

VICV59

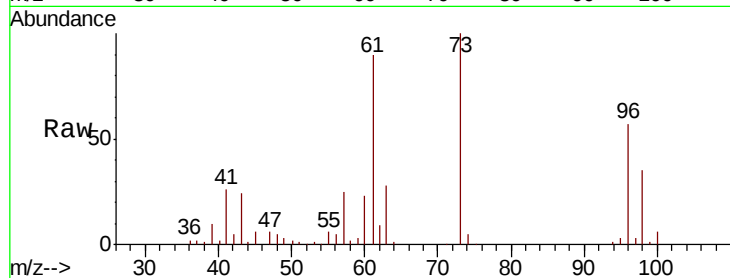
Tgt Ion: 96 Resp: 59756

Ion Ratio Lower Upper

96 100

61 158.7 112.8 209.4

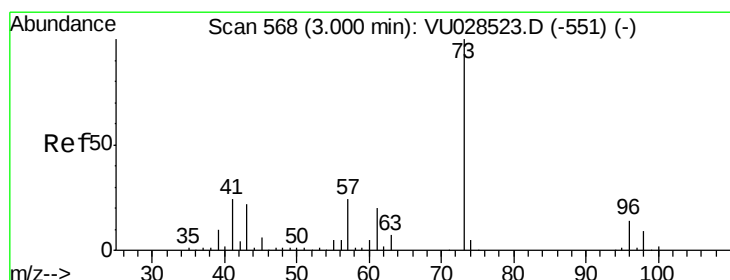
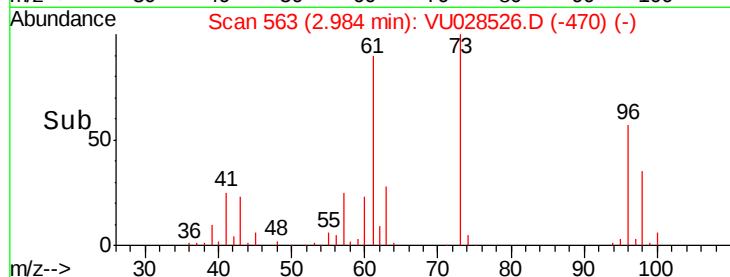
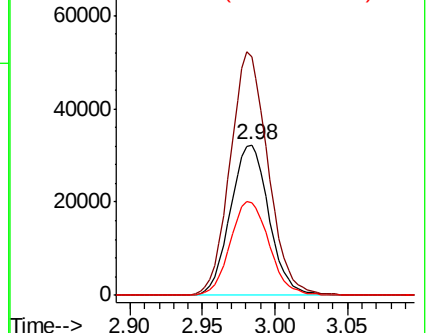
98 61.6 43.8 81.3



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: 51.107 ug/L

RT: 3.00 min Scan# 567

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

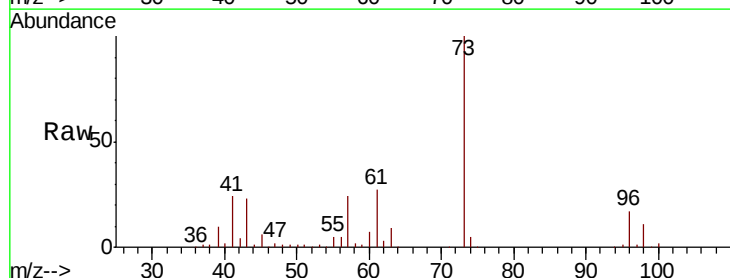
Tgt Ion: 73 Resp: 198402

Ion Ratio Lower Upper

73 100

43 23.0 18.1 27.1

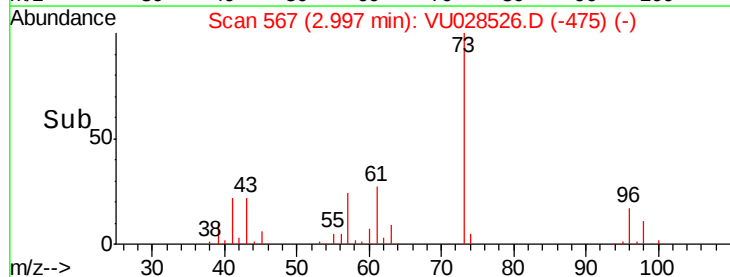
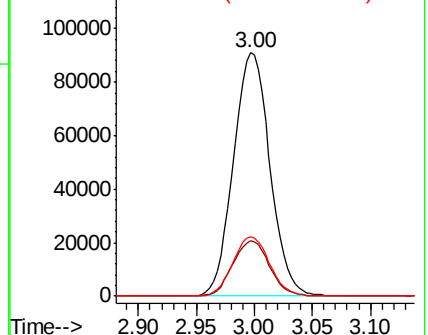
57 24.5 19.7 29.5

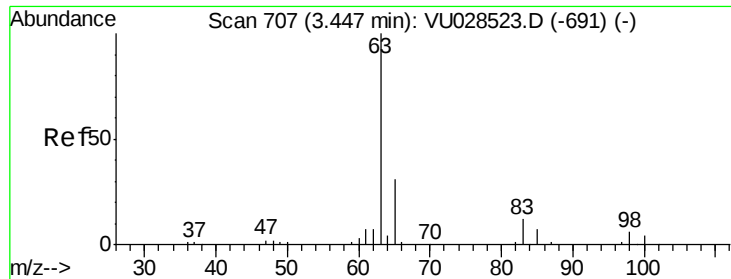


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

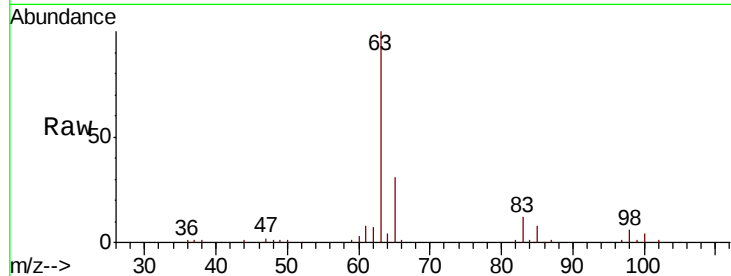




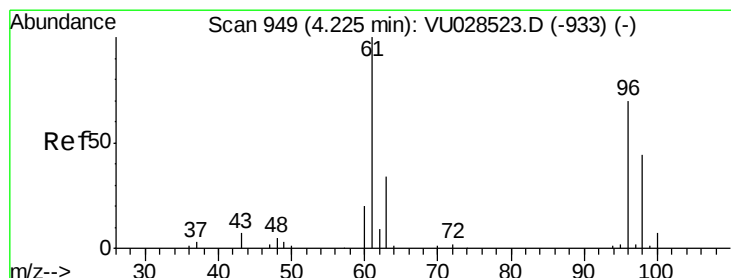
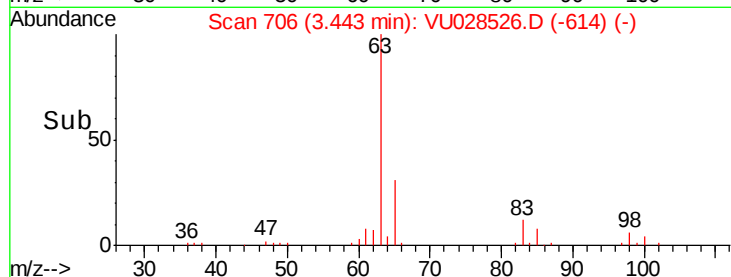
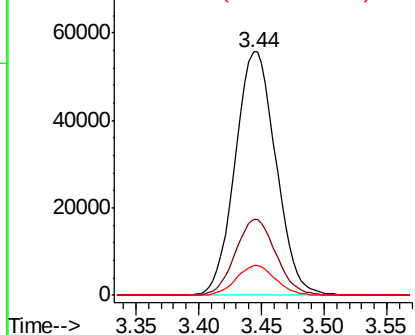
#19
 1,1-Dichloroethane
 Concen: 51.933 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028526.D
 Acq: 07 Dec 2018 12:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV59

Tgt Ion: 63 Resp: 125713
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.8 40.4
 83 12.1 8.5 15.7

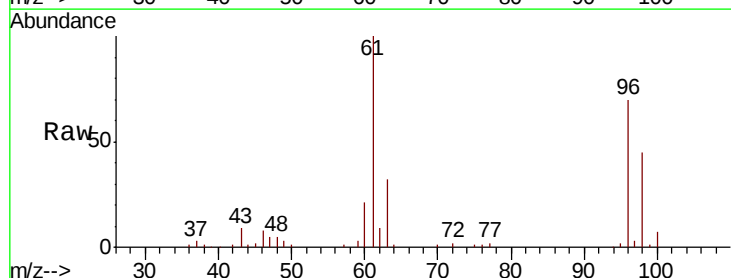


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

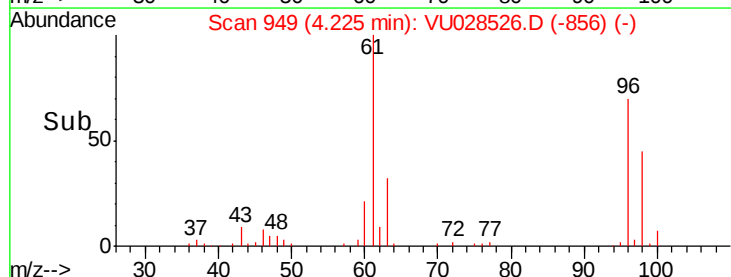
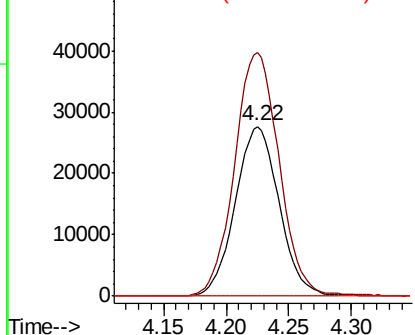


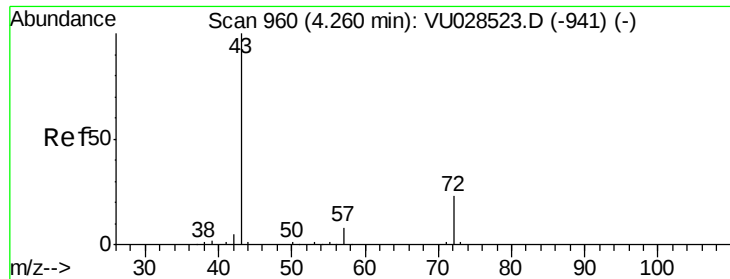
#20
 cis-1,2-Dichloroethene
 Concen: 51.981 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028526.D
 Acq: 07 Dec 2018 12:21

Tgt Ion: 96 Resp: 67111
 Ion Ratio Lower Upper
 96 100
 61 143.6 100.1 185.9
 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: 97.153 ug/L

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

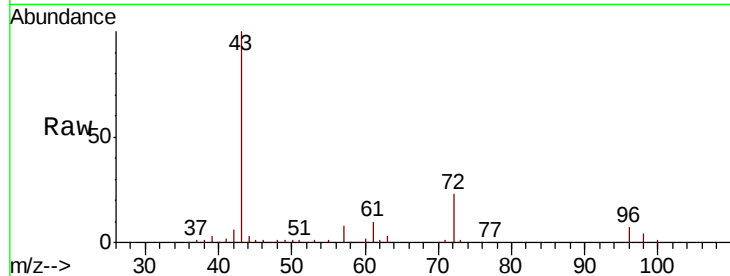
VICV59

Tgt Ion: 43 Resp: 143792

Ion Ratio Lower Upper

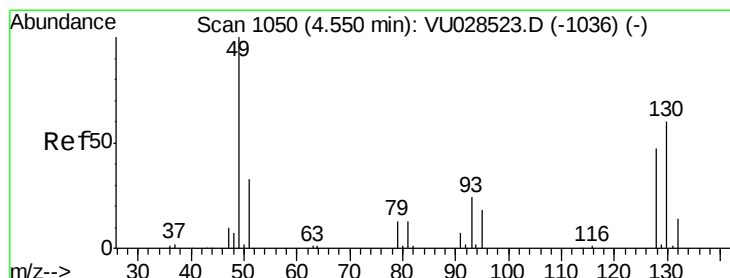
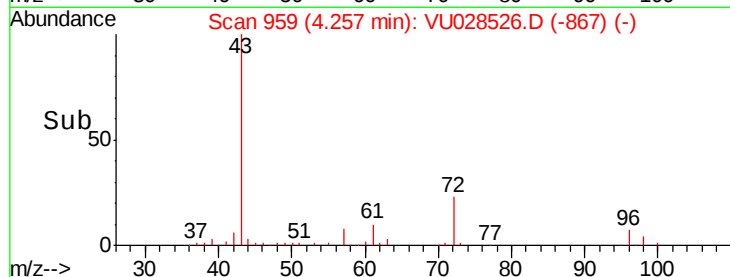
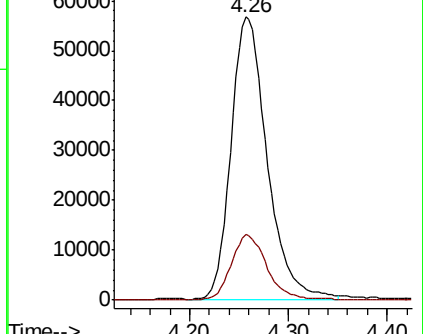
43 100

72 22.5 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VU028523.D (-941) (-)

Ion 72.00 (71.70 to 72.70): VU028523.D (-941) (-)



#23

Bromochloromethane

Concen: 54.369 ug/L

RT: 4.55 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Tgt Ion: 128 Resp: 30770

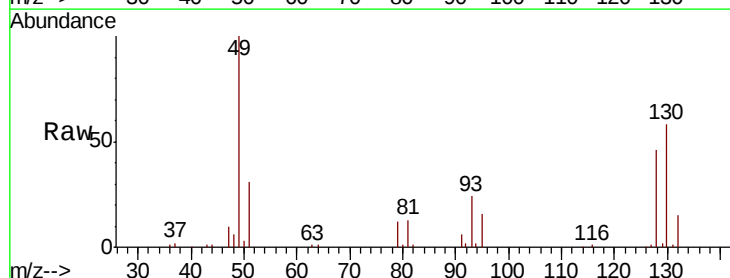
Ion Ratio Lower Upper

128 100

49 218.2 150.8 280.1

130 126.6 90.9 168.7

51 68.3 56.7 85.1

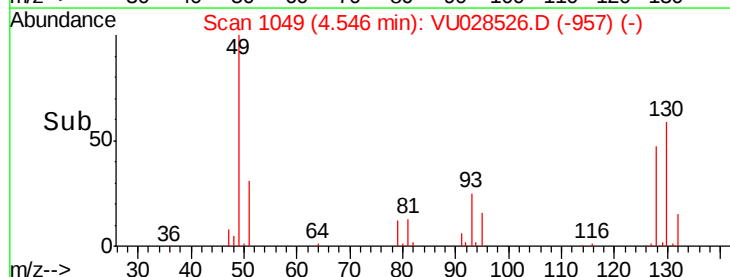
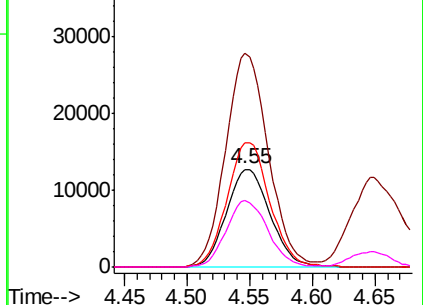


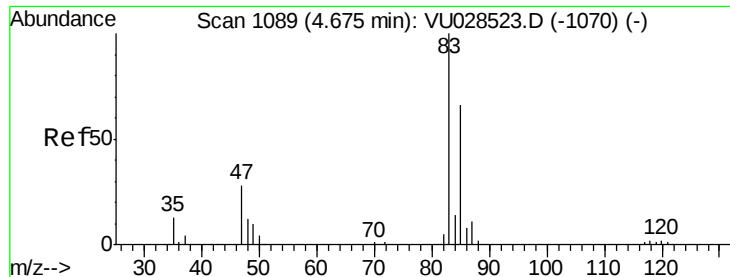
Abundance Ion 128.00 (127.70 to 128.70): VU028526.D (-957) (-)

Ion 49.00 (48.70 to 49.70): VU028526.D (-957) (-)

Ion 130.00 (129.70 to 130.70): VU028526.D (-957) (-)

Ion 51.00 (50.70 to 51.70): VU028526.D (-957) (-)

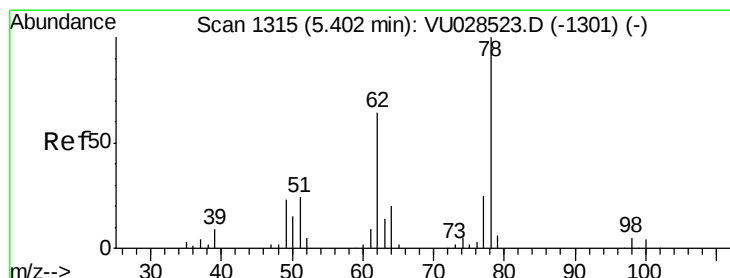
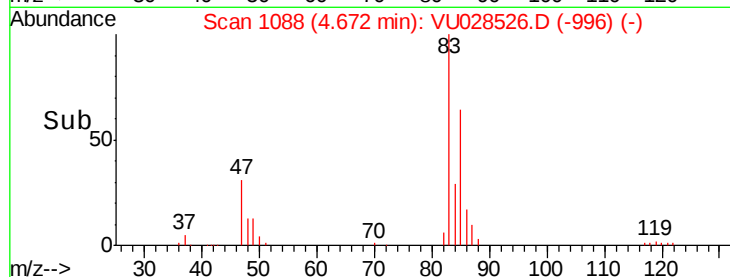
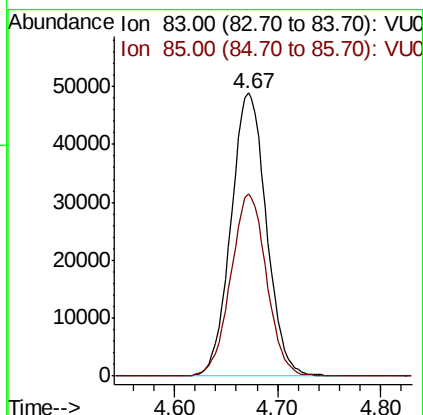
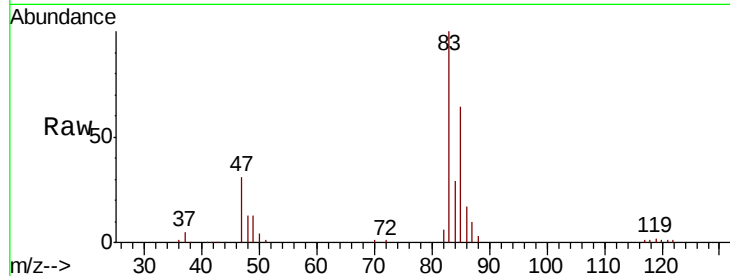




#25
Chloroform
Concen: 52.765 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028526.D
Acq: 07 Dec 2018 12:21

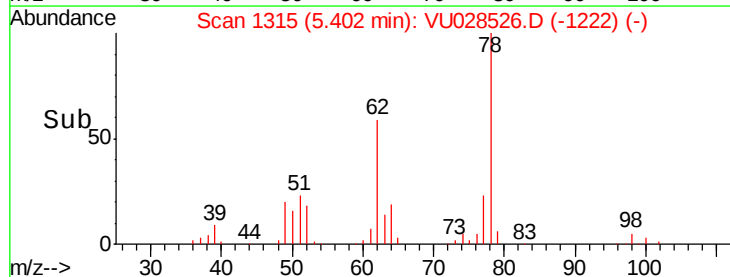
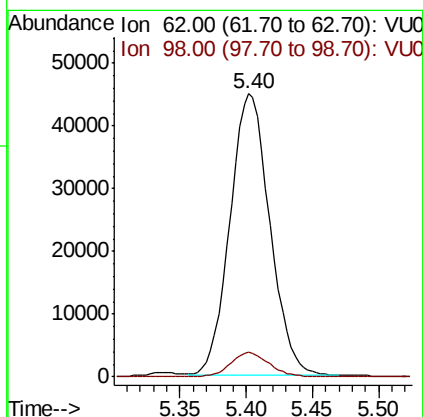
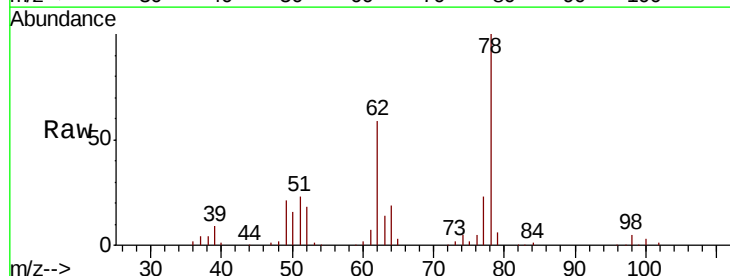
Instrument :
MSVOA_U
ClientSampled :
VICV59

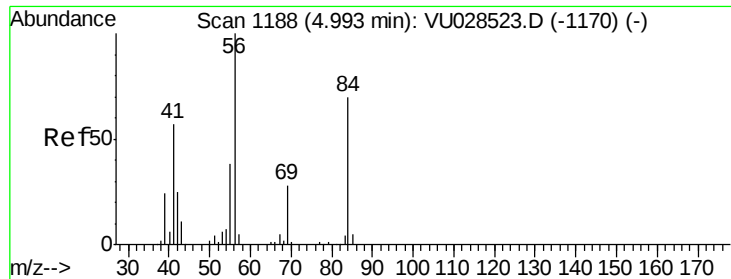
Tgt Ion: 83 Resp: 116731
Ion Ratio Lower Upper
83 100
85 64.2 46.0 85.4



#27
1,2-Dichloroethane
Concen: 51.214 ug/L
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028526.D
Acq: 07 Dec 2018 12:21

Tgt Ion: 62 Resp: 93829
Ion Ratio Lower Upper
62 100
98 8.6 6.7 10.1

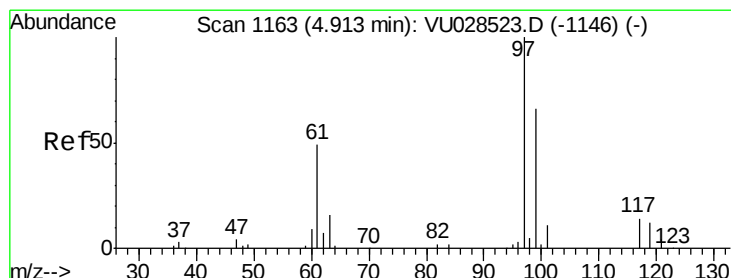
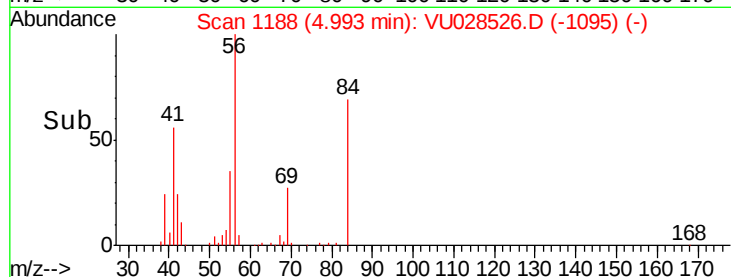
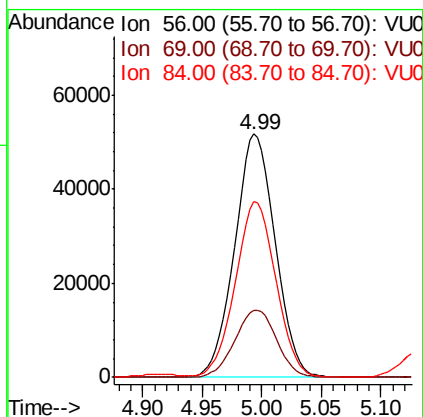
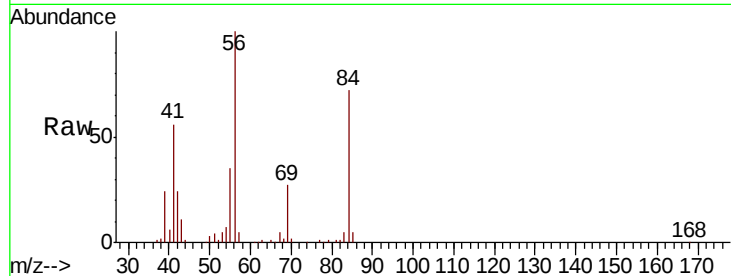




#29
Cyclohexane
Concen: 51.856 ug/L
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028526.D
Acq: 07 Dec 2018 12:21

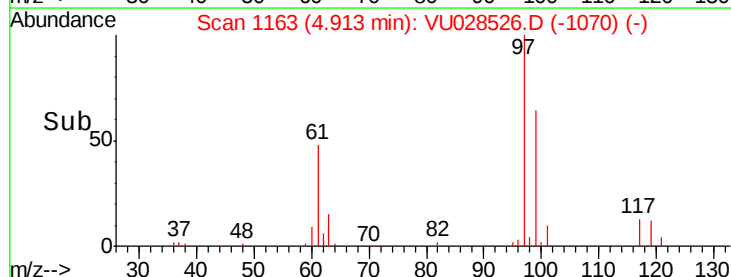
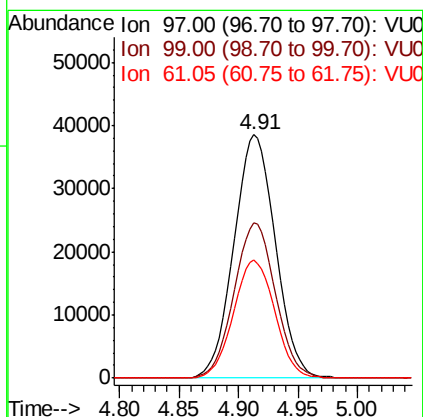
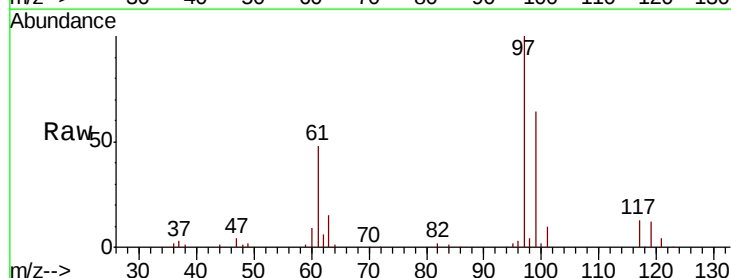
Instrument :
MSVOA_U
ClientSampled :
VICV59

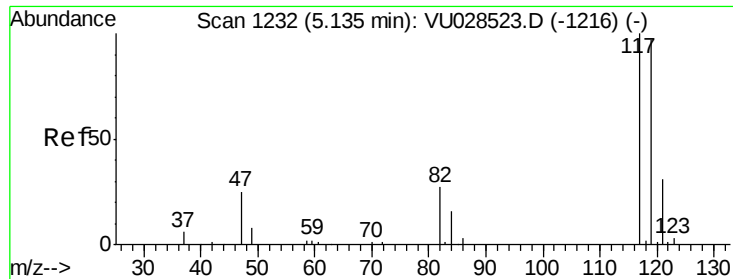
Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.2	33.2
84	72.4	57.5	86.3



#30
1,1,1-Trichloroethane
Concen: 53.882 ug/L
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028526.D
Acq: 07 Dec 2018 12:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.0
61	48.1	38.7	58.1





#31

Carbon tetrachloride

Concen: 53.643 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

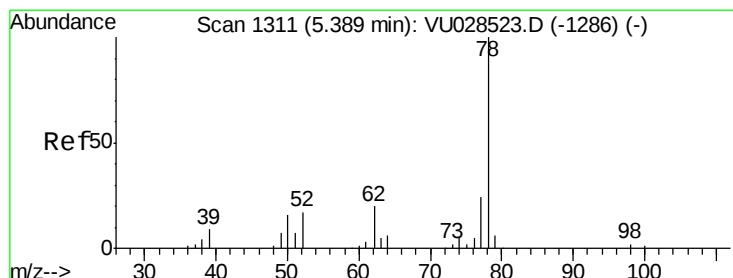
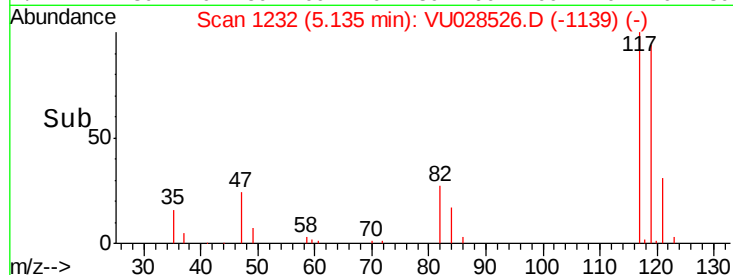
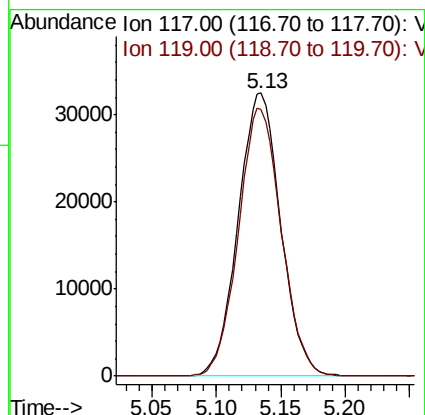
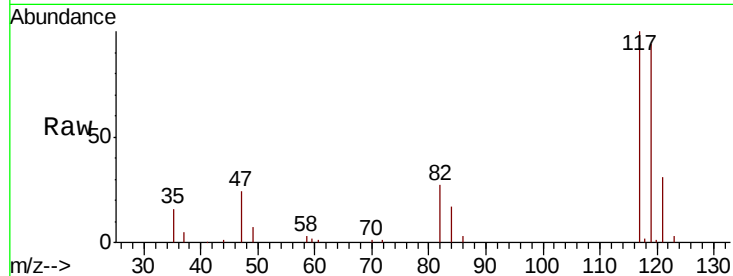
VICV59

Tgt Ion:117 Resp: 74549

Ion Ratio Lower Upper

117 100

119 95.1 77.4 116.2



#33

Benzene

Concen: 53.279 ug/L

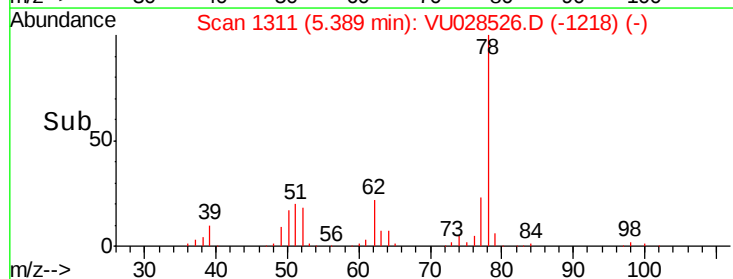
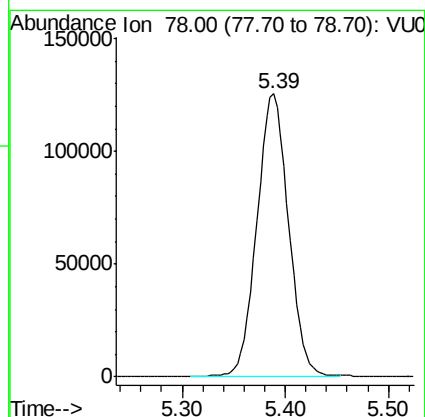
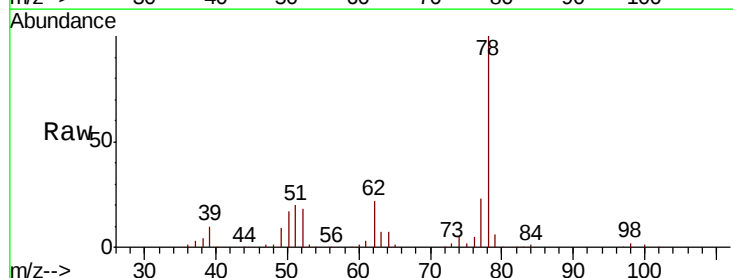
RT: 5.39 min Scan# 1311

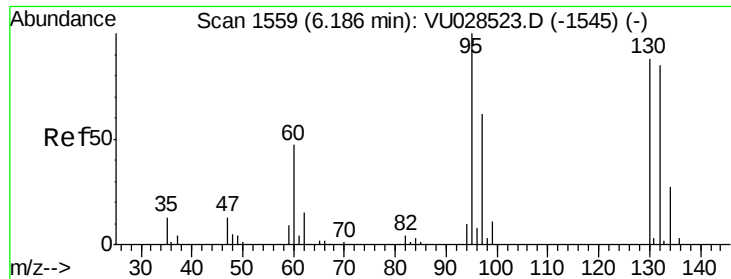
Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Tgt Ion: 78 Resp: 267220





#34

Trichloroethene

Concen: 53.665 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

VICV59

Tgt Ion: 95 Resp: 64713

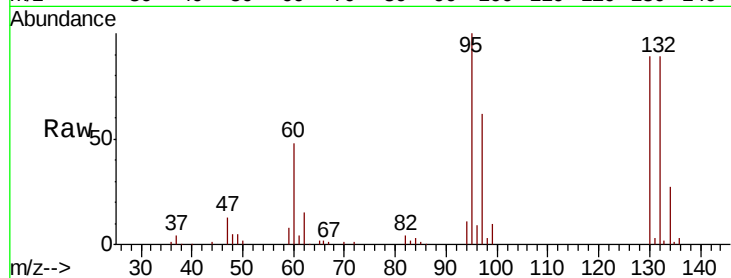
Ion Ratio Lower Upper

95 100

97 61.8 43.5 80.9

132 89.0 59.6 110.6

130 89.3 61.8 114.8

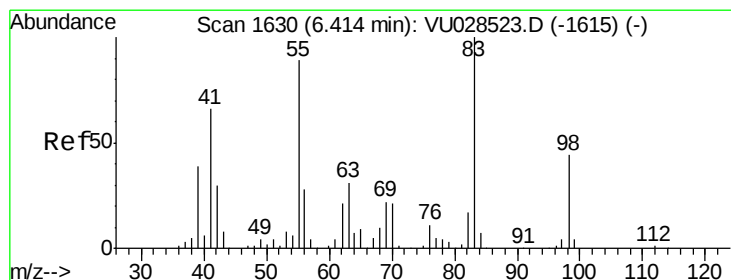
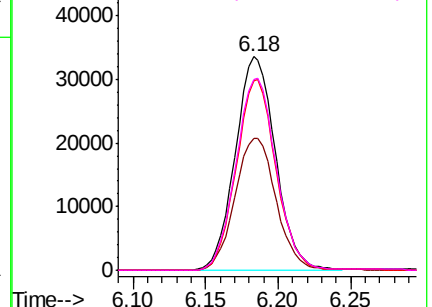
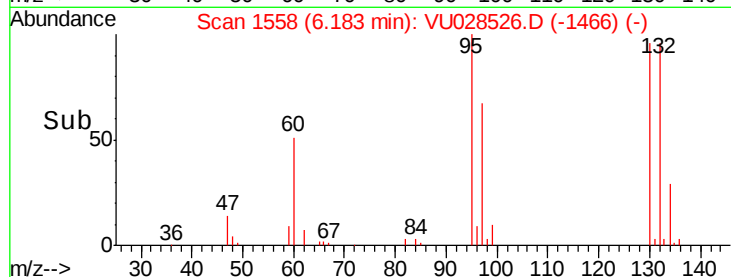


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 53.012 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

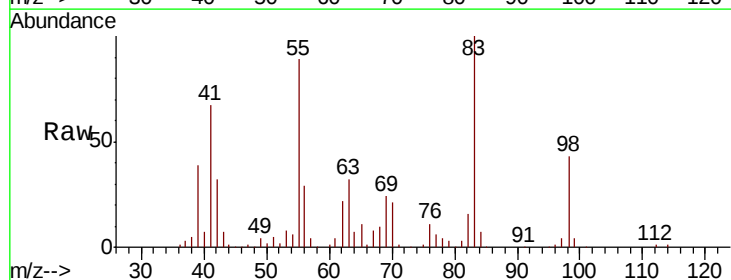
Tgt Ion: 83 Resp: 110566

Ion Ratio Lower Upper

83 100

55 88.1 70.1 105.1

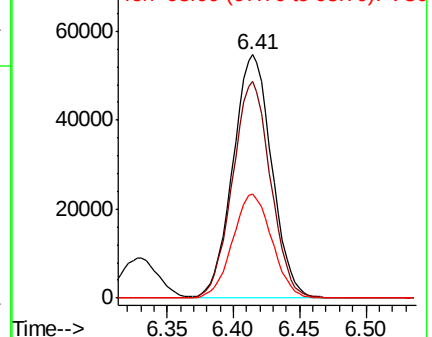
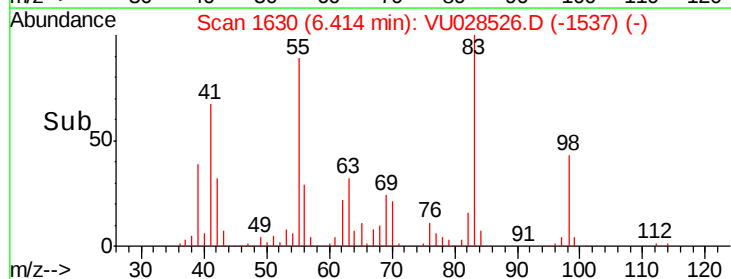
98 43.4 34.4 51.6

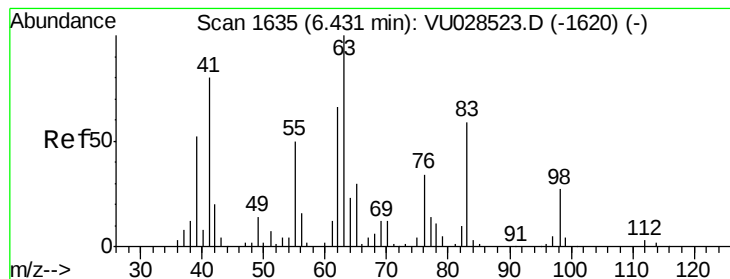


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 53.073 ug/L

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

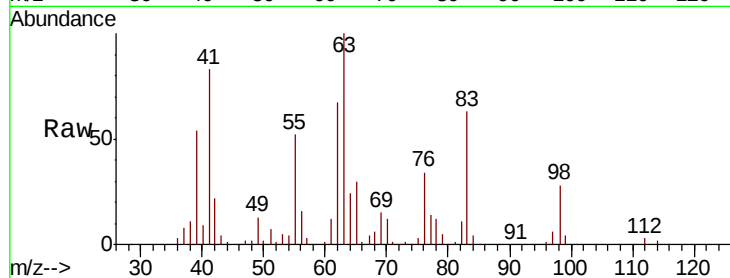
VICV59

Tgt Ion: 63 Resp: 78901

Ion Ratio Lower Upper

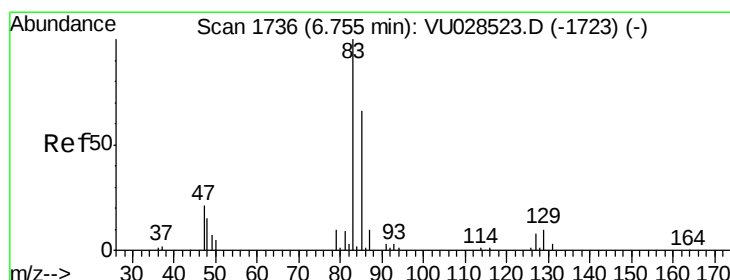
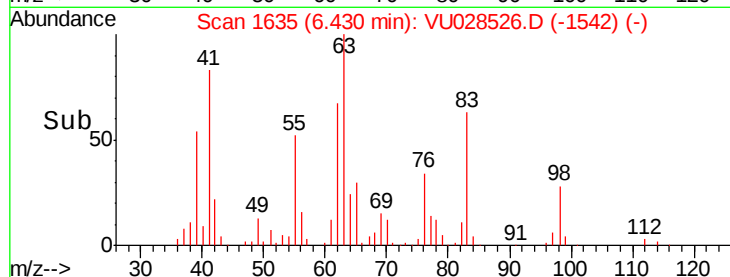
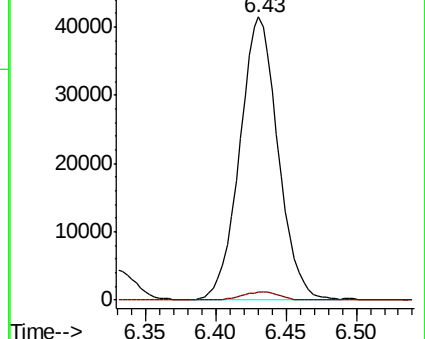
63 100

112 2.8 2.4 3.6



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 53.732 ug/L

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

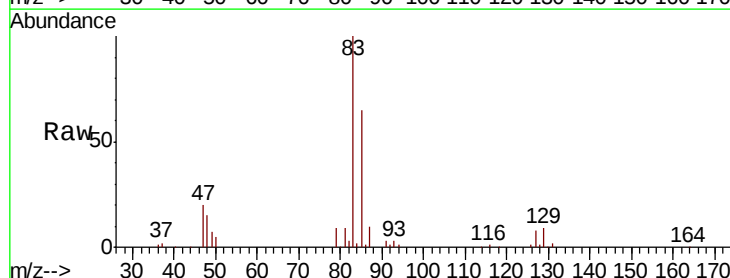
Tgt Ion: 83 Resp: 88443

Ion Ratio Lower Upper

83 100

85 64.6 46.5 86.3

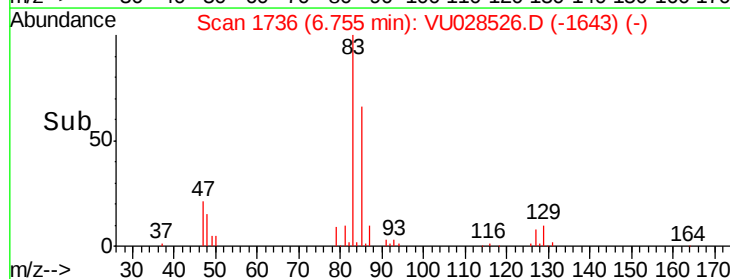
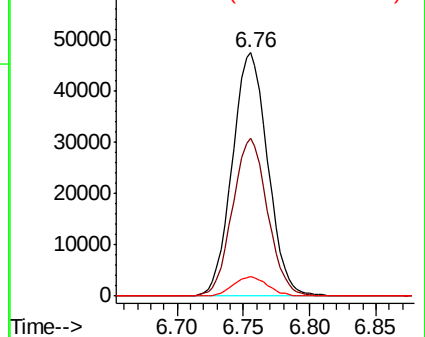
127 7.8 6.3 9.5

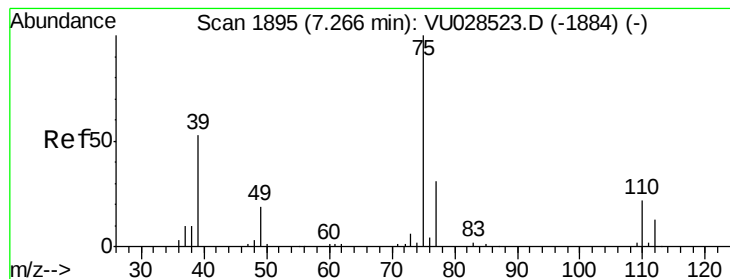


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





#39

cis-1,3-Dichloropropene

Concen: 54.555 ug/L

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampled :

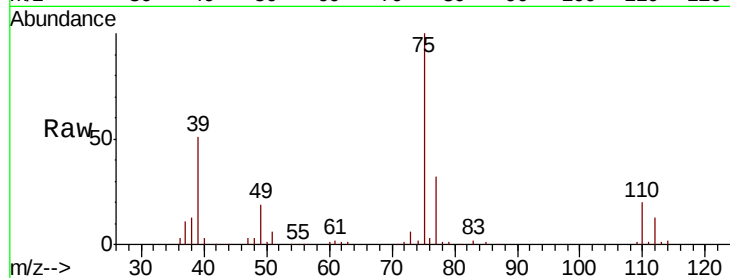
VICV59

Tgt Ion: 75 Resp: 115255

Ion Ratio Lower Upper

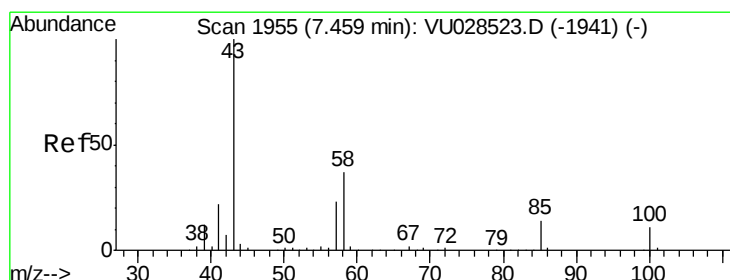
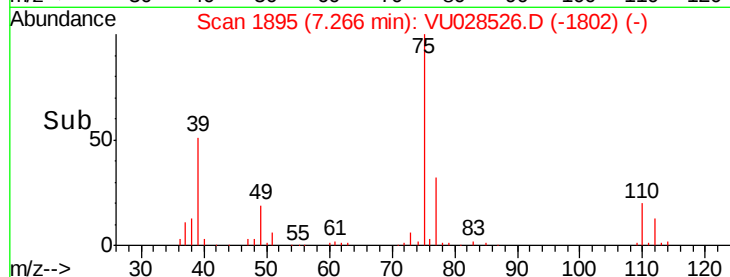
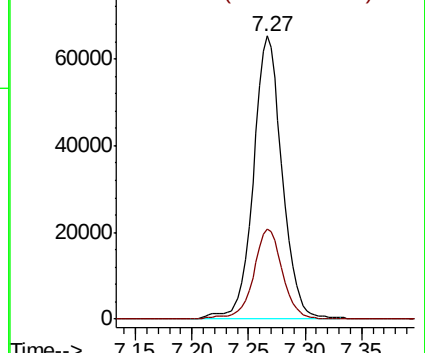
75 100

77 31.6 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 103.802 ug/L

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

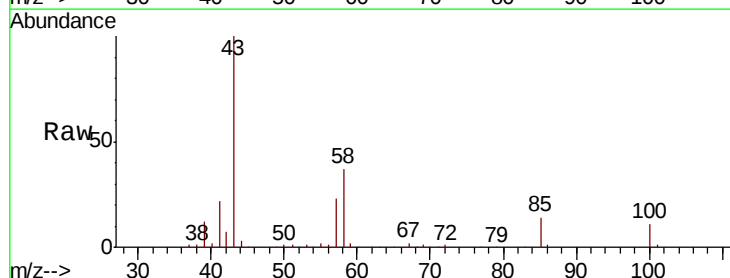
Tgt Ion: 43 Resp: 242103

Ion Ratio Lower Upper

43 100

58 37.0 29.6 44.4

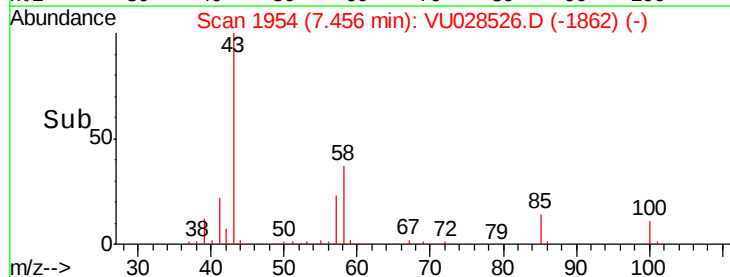
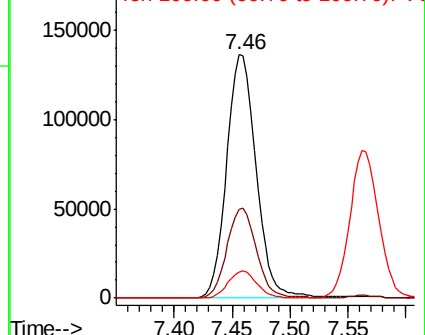
100 10.9 9.0 13.4

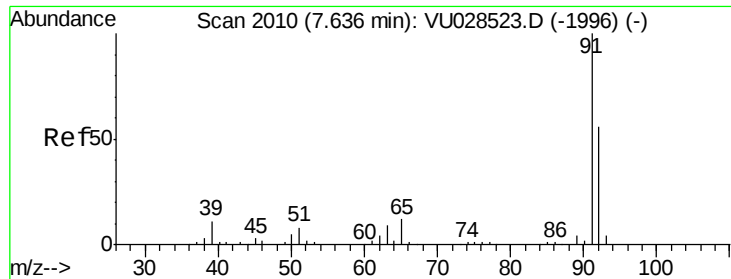


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 53.966 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

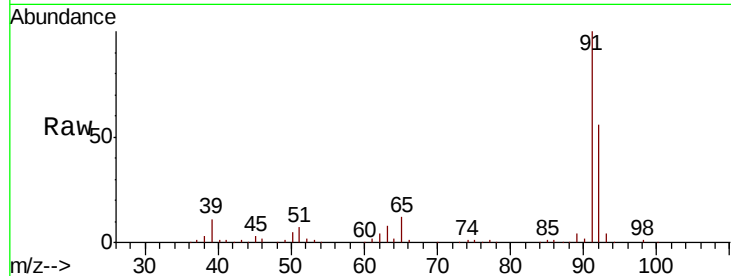
VICV59

Tgt Ion: 91 Resp: 274883

Ion Ratio Lower Upper

91 100

92 56.4 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VU028523.D (-1996) (-)

Ion 92.00 (91.70 to 92.70): VU028526.D (-1917) (-)

7.64

150000

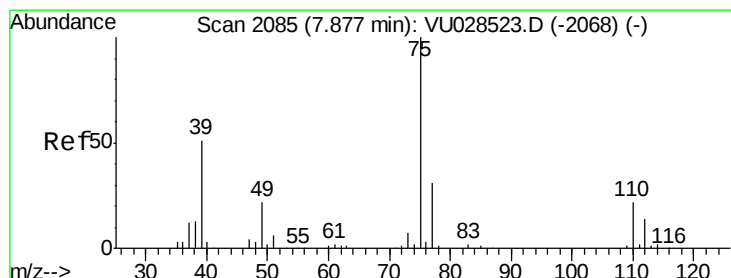
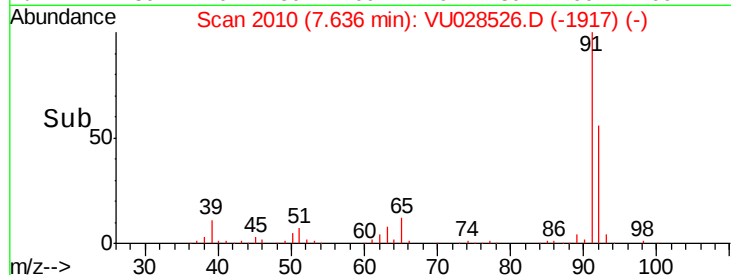
100000

50000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.635 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028526.D

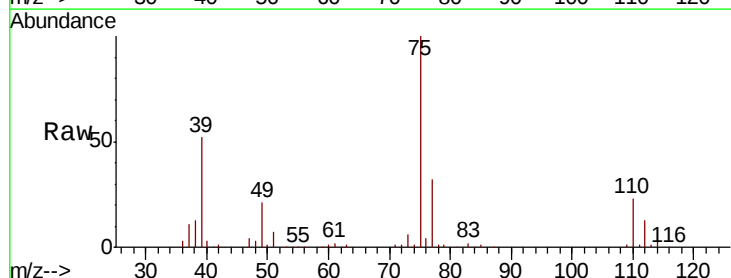
Acq: 07 Dec 2018 12:21

Tgt Ion: 75 Resp: 105764

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU028523.D (-2068) (-)

Ion 77.00 (76.70 to 77.70): VU028526.D (-1992) (-)

7.88

60000

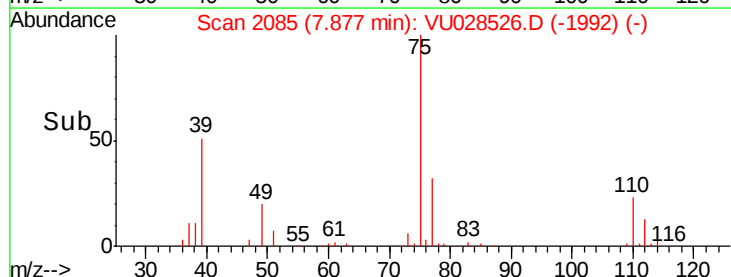
40000

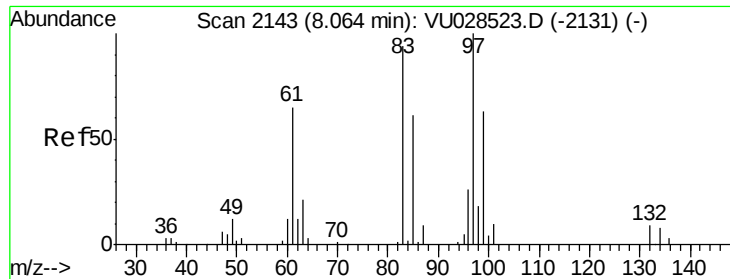
20000

0

7.80 7.85 7.90 7.95

Time-->

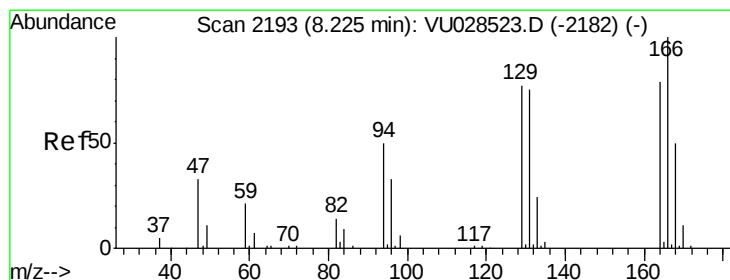
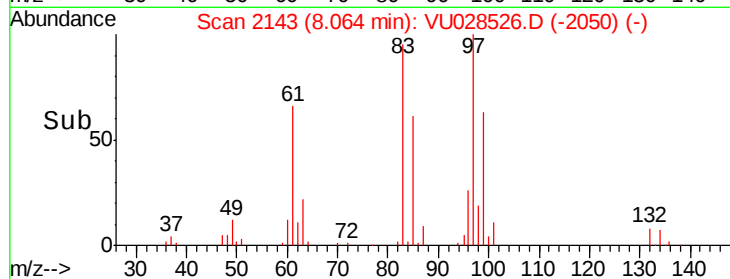
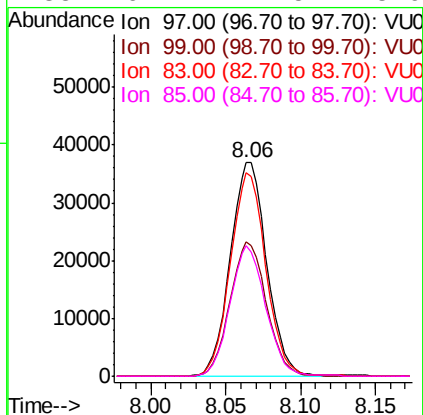
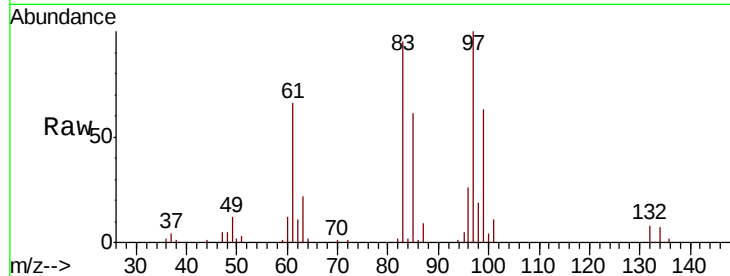




#45
1,1,2-Trichloroethane
Concen: 54.005 ug/L
RT: 8.06 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VU028526.D
Acq: 07 Dec 2018 12:21

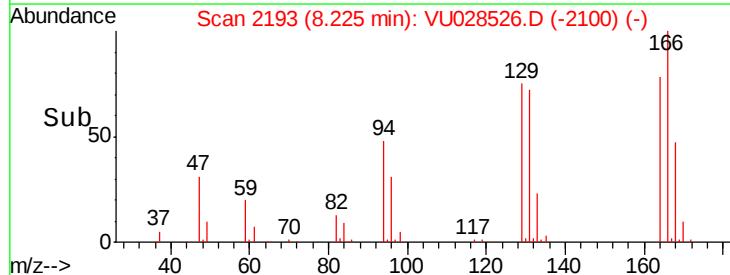
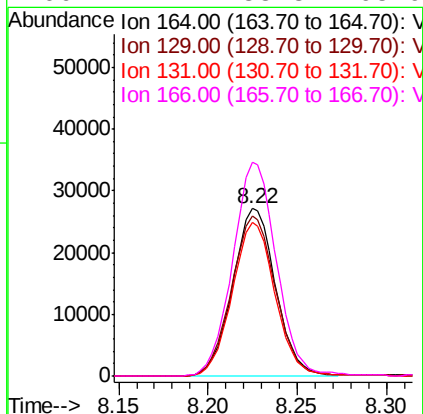
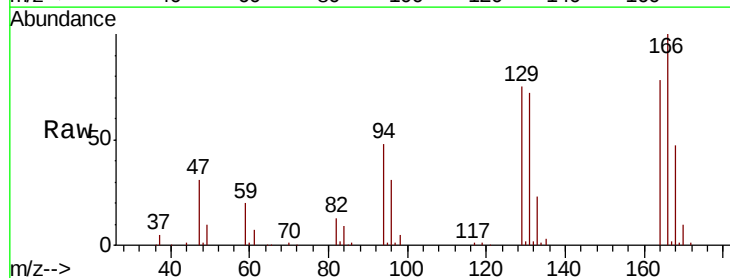
Instrument :
MSVOA_U
ClientSampled :
VICV59

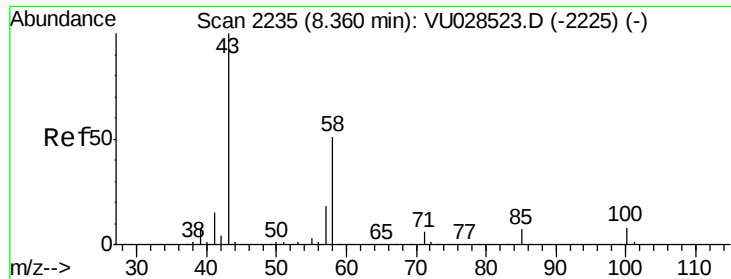
Tgt Ion:	97	Resp:	62655
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.2	82.2
83	95.3	66.0	122.6
85	61.1	42.5	78.9



#46
Tetrachloroethene
Concen: 54.001 ug/L
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028526.D
Acq: 07 Dec 2018 12:21

Tgt Ion:	164	Resp:	45629
Ion	Ratio	Lower	Upper
164	100		
129	96.0	68.2	126.6
131	91.7	66.1	122.7
166	127.7	88.3	163.9

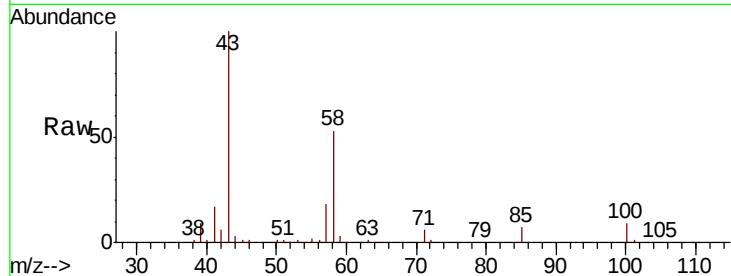




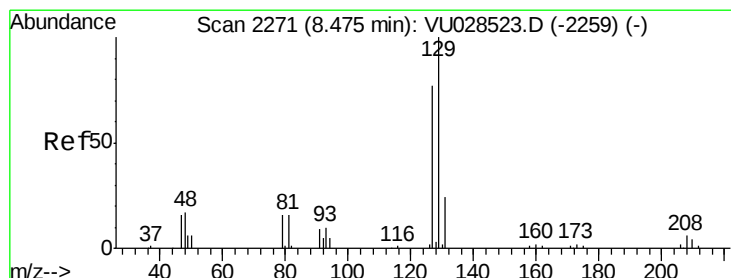
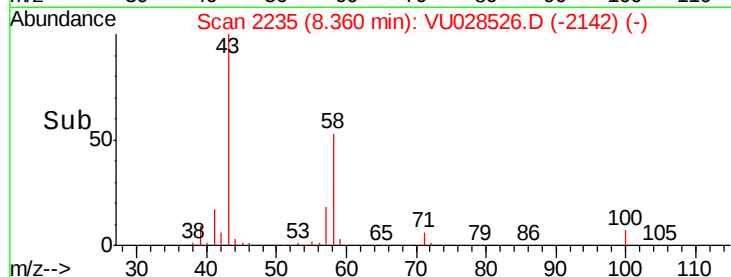
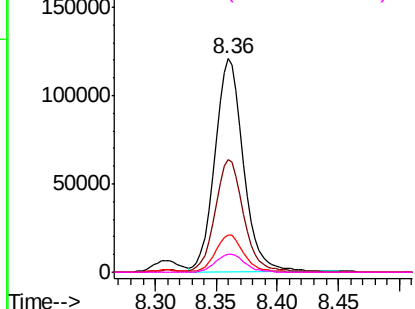
#48
2-Hexanone
Concen: 101.335 ug/L
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028526.D
Acq: 07 Dec 2018 12:21

Instrument :
MSVOA_U
ClientSampleId :
VICV59

Tgt Ion: 43 Resp: 198253
Ion Ratio Lower Upper
43 100
58 53.5 41.6 62.4
57 17.1 13.8 20.6
100 8.7 7.0 10.4

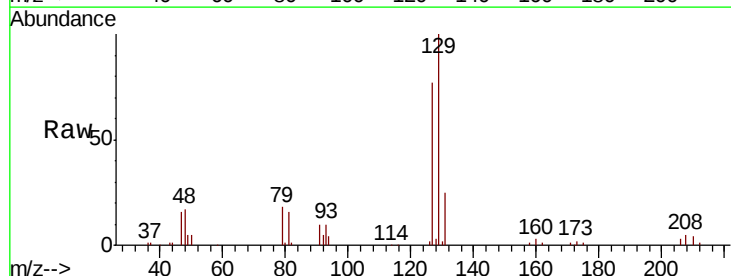


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

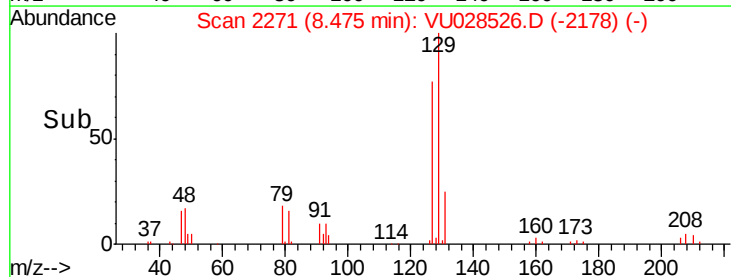
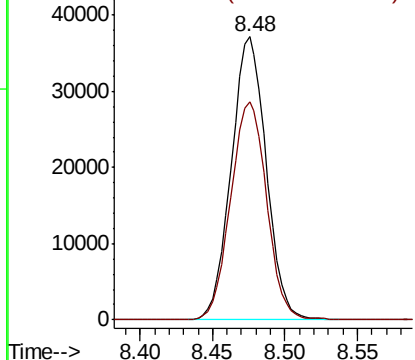


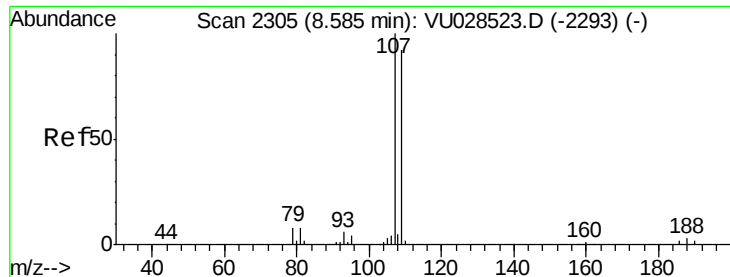
#49
Dibromochloromethane
Concen: 52.688 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028526.D
Acq: 07 Dec 2018 12:21

Tgt Ion: 129 Resp: 62209
Ion Ratio Lower Upper
129 100
127 77.2 54.0 100.2



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

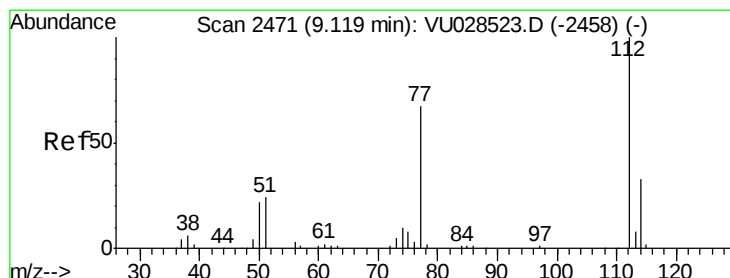
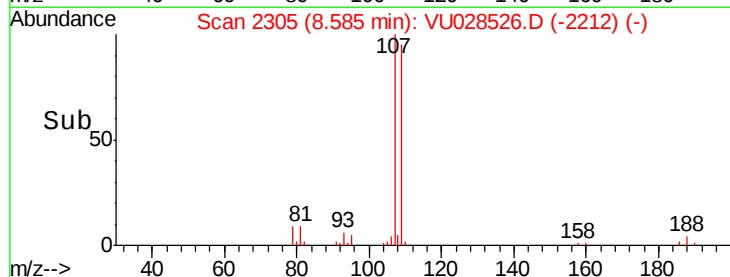
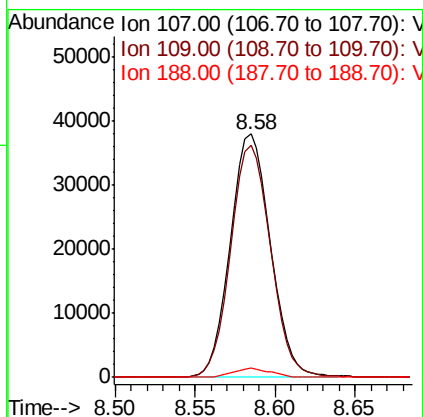
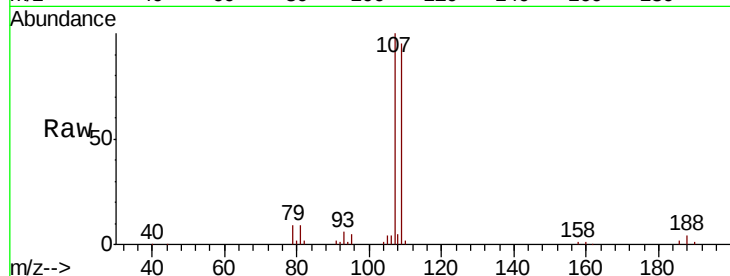




#50
1,2-Dibromoethane
Concen: 52.457 ug/L
RT: 8.58 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VU028526.D
Acq: 07 Dec 2018 12:21

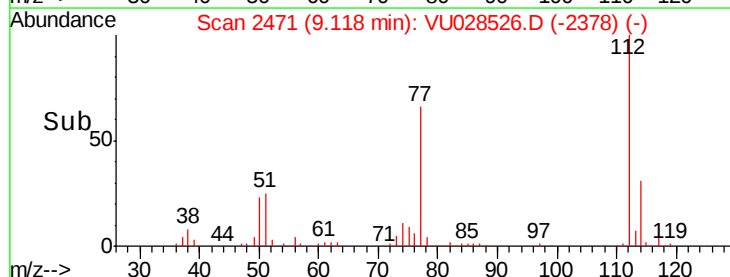
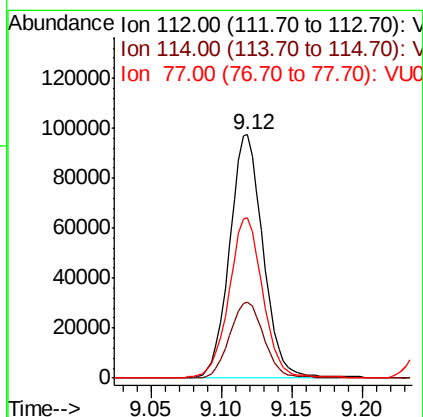
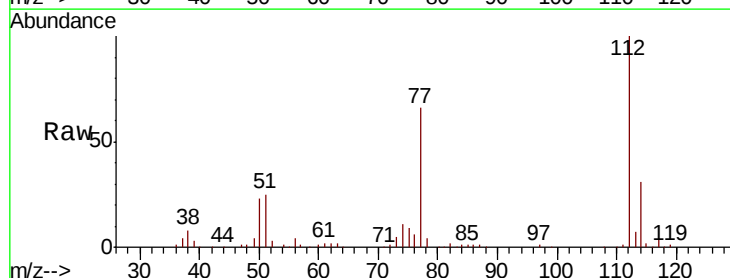
Instrument :
MSVOA_U
ClientSampleId :
VICV59

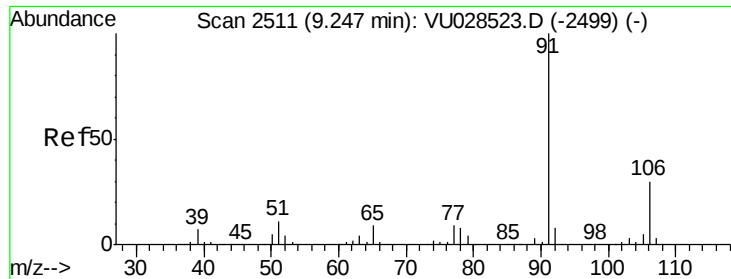
Tgt Ion:107 Resp: 65015
Ion Ratio Lower Upper
107 100
109 95.1 64.5 119.9
188 3.6 2.6 3.8



#51
Chlorobenzene
Concen: 53.263 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028526.D
Acq: 07 Dec 2018 12:21

Tgt Ion:112 Resp: 162025
Ion Ratio Lower Upper
112 100
114 31.4 23.0 42.6
77 65.7 53.9 80.9





#52

Ethylbenzene

Concen: 53.461 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

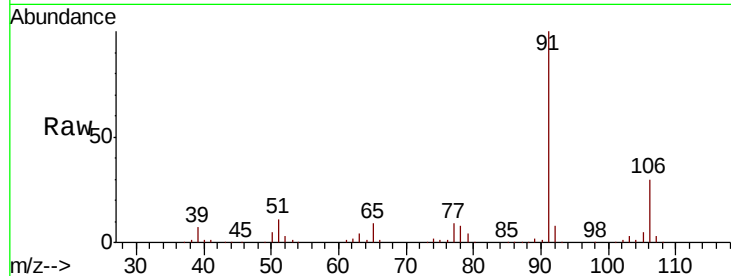
VICV59

Tgt Ion: 91 Resp: 300885

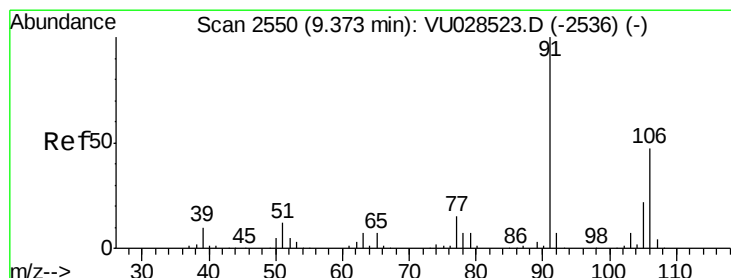
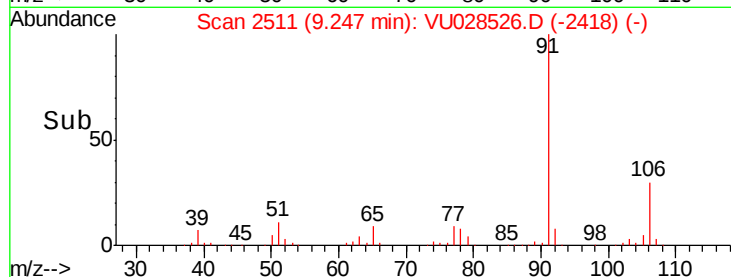
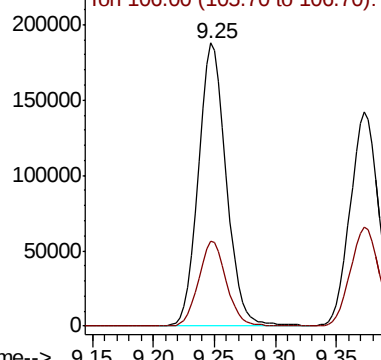
Ion Ratio Lower Upper

91 100

106 29.9 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VU028523.D (-2499) (-)



#53

m,p-Xylene

Concen: 54.136 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028526.D

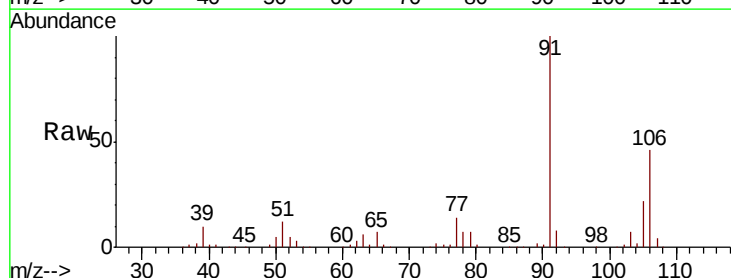
Acq: 07 Dec 2018 12:21

Tgt Ion: 106 Resp: 108959

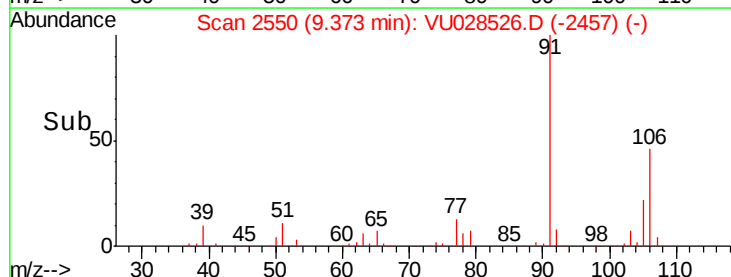
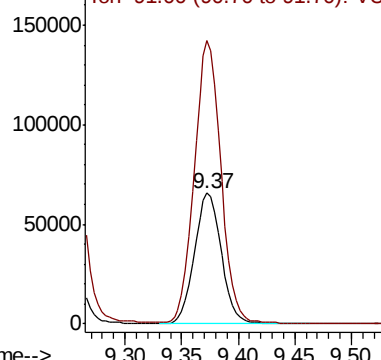
Ion Ratio Lower Upper

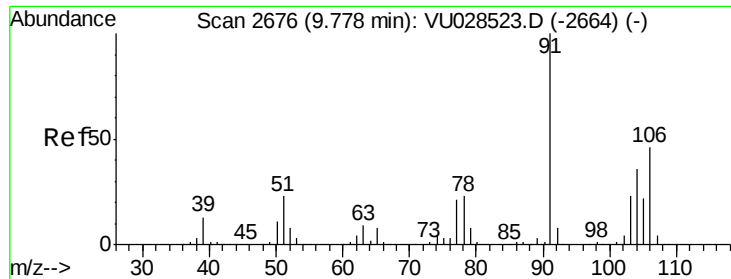
106 100

91 216.2 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): VU028526.D (-2457) (-)





#54

o-xylene

Concen: 53.157 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

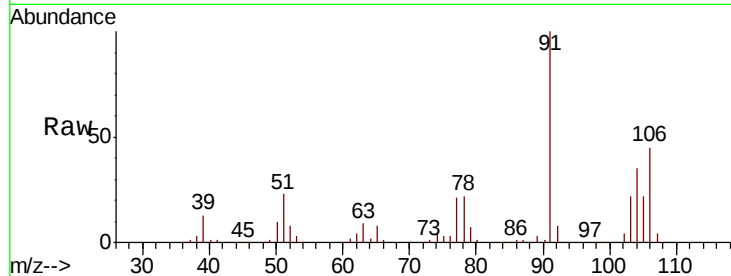
VICV59

Tgt Ion:106 Resp: 105772

Ion Ratio Lower Upper

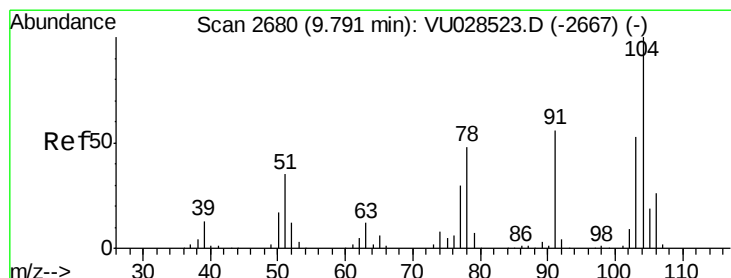
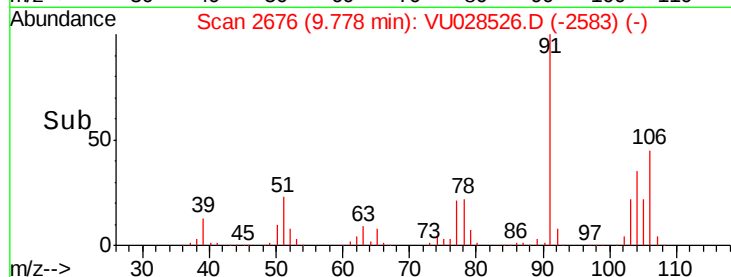
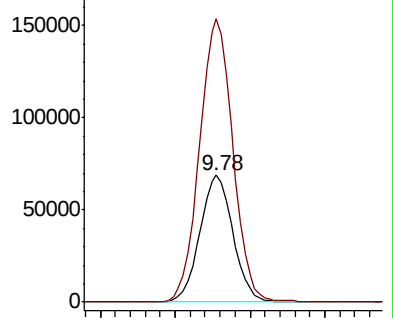
106 100

91 223.5 151.4 281.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.562 ug/L

RT: 9.79 min Scan# 2680

Delta R.T. -0.00 min

Lab File: VU028526.D

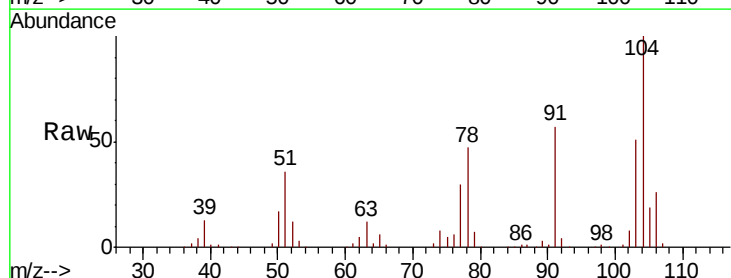
Acq: 07 Dec 2018 12:21

Tgt Ion:104 Resp: 186107

Ion Ratio Lower Upper

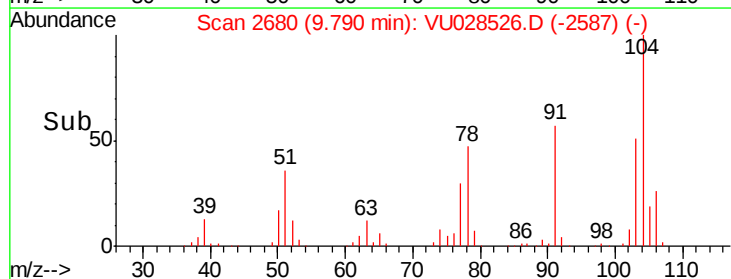
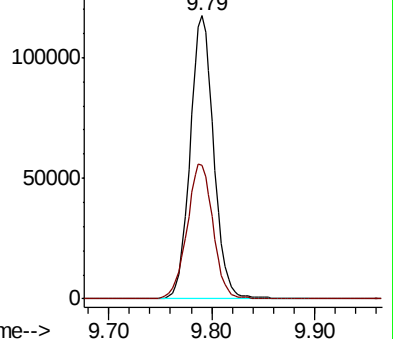
104 100

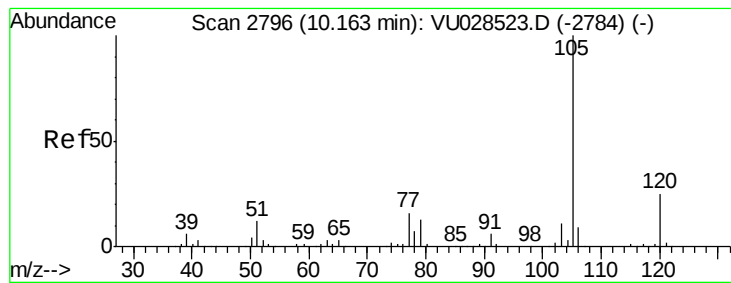
78 47.1 34.1 63.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.350 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

VICV59

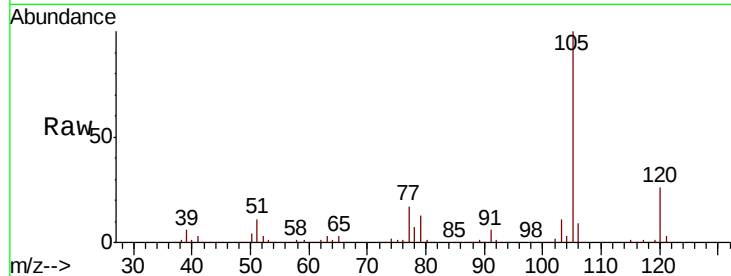
Tgt Ion: 105 Resp: 280363

Ion Ratio Lower Upper

105 100

120 26.2 20.2 30.2

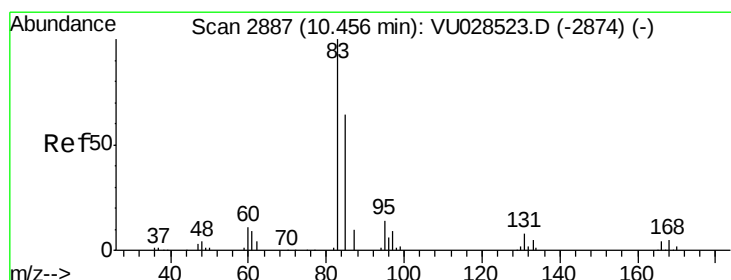
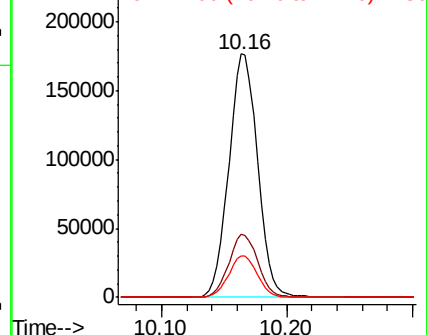
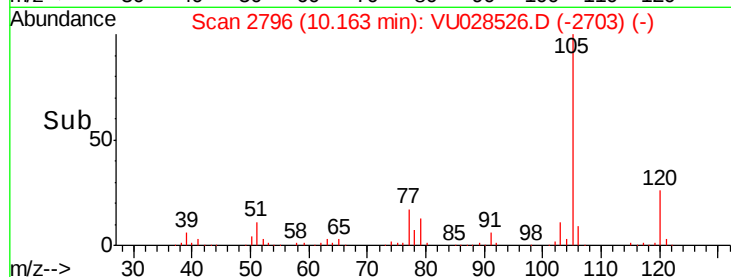
77 17.0 13.1 19.7



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: 53.102 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

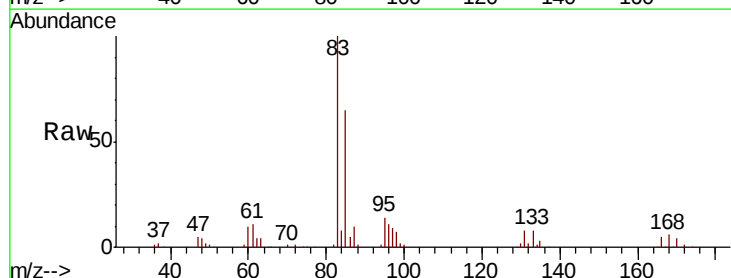
Tgt Ion: 83 Resp: 114140

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.7

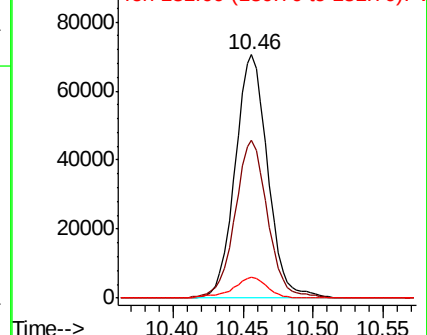
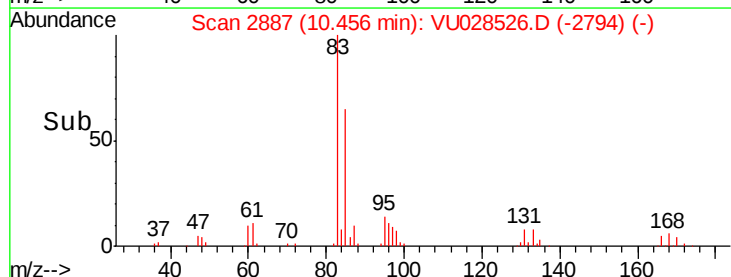
131 8.5 6.4 9.6

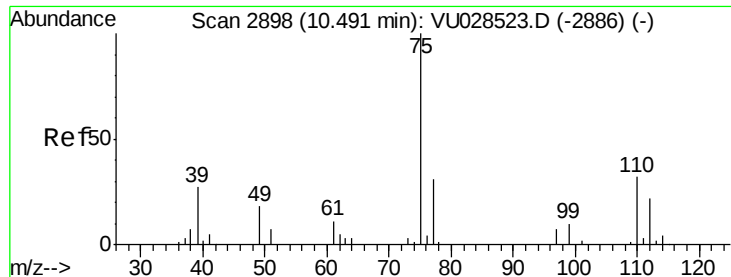


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.117 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

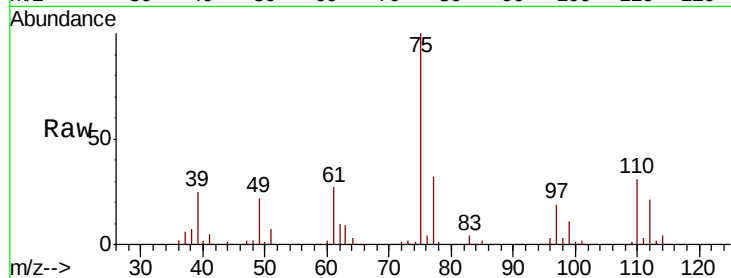
VICV59

Tgt Ion: 75 Resp: 89798

Ion Ratio Lower Upper

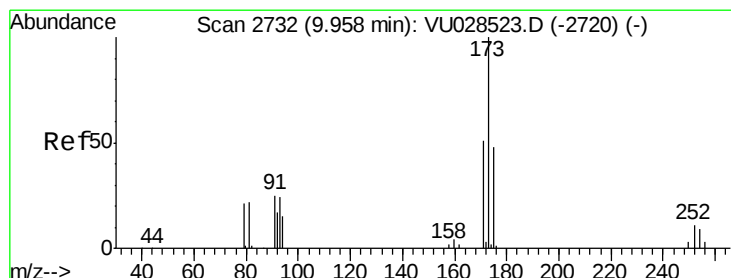
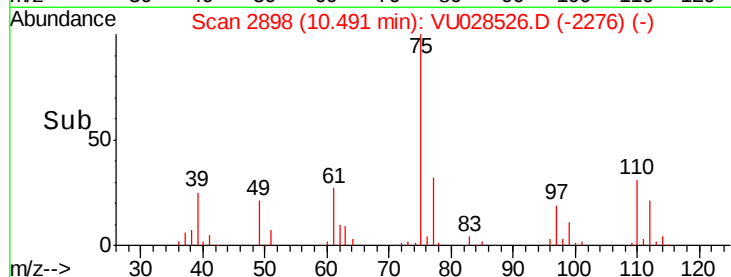
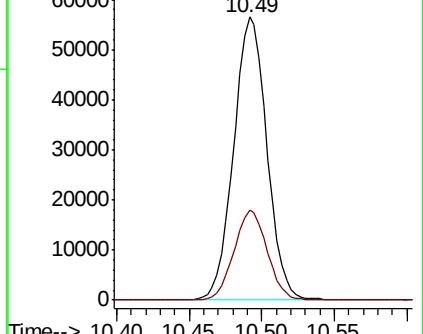
75 100

77 31.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU028523.D (-2886) (-)

Ion 77.00 (76.70 to 77.70): VU028523.D (-2886) (-)



#61

Bromoform

Concen: 52.264 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

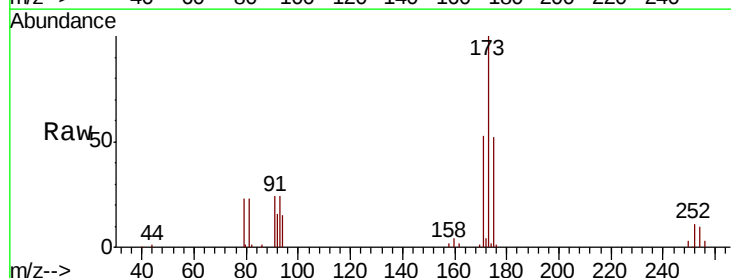
Tgt Ion: 173 Resp: 46150

Ion Ratio Lower Upper

173 100

175 49.5 38.7 58.1

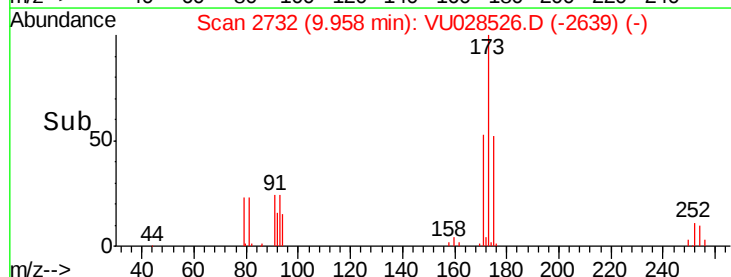
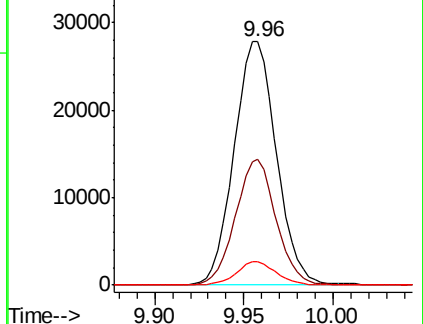
254 9.0 7.1 10.7

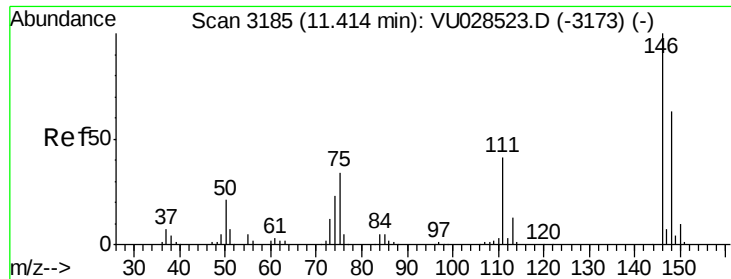


Abundance Ion 173.00 (172.70 to 173.70): VU028523.D (-2720) (-)

Ion 175.00 (174.70 to 175.70): VU028523.D (-2720) (-)

Ion 254.00 (253.70 to 254.70): VU028523.D (-2720) (-)

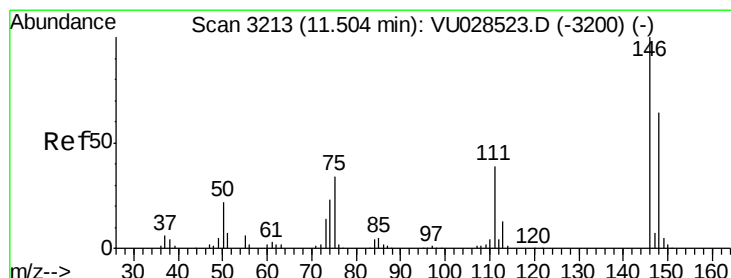
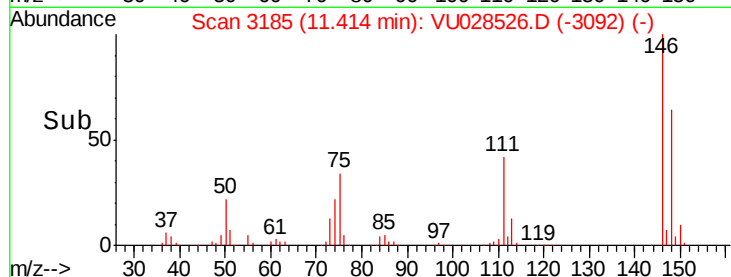
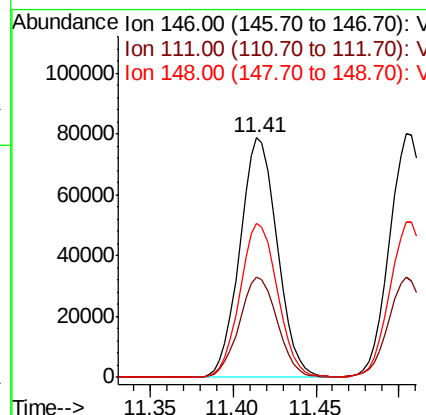
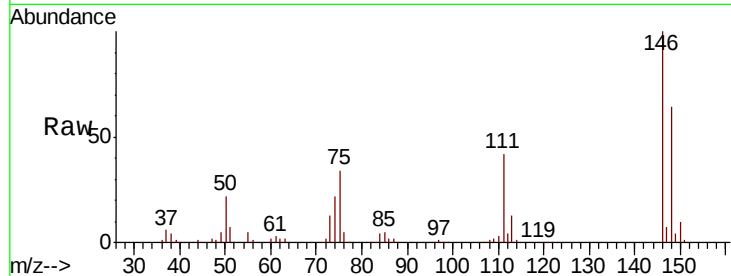




#62
 1,3-Dichlorobenzene
 Concen: 52.863 ug/L
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028526.D
 Acq: 07 Dec 2018 12:21

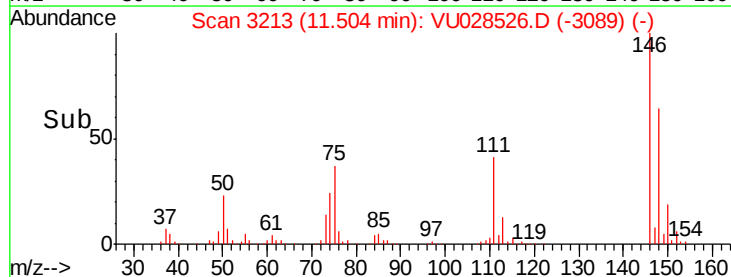
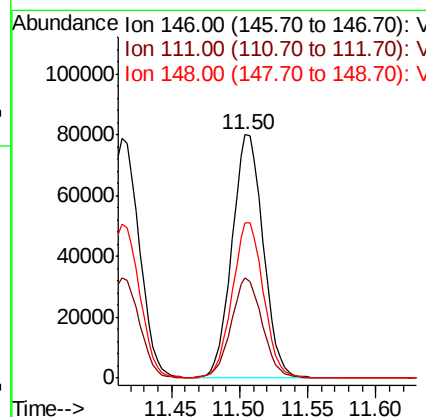
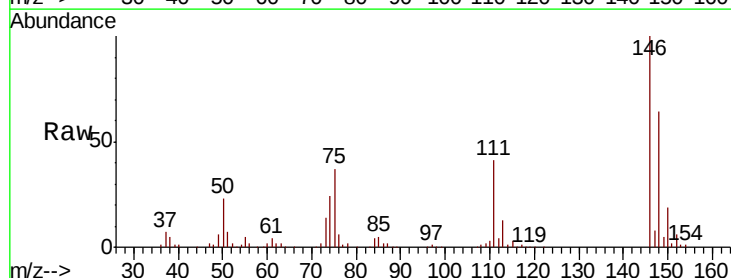
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV59

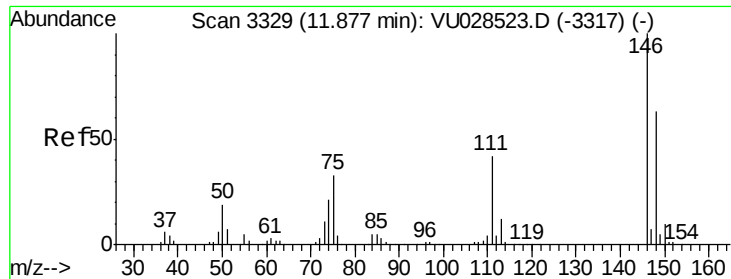
Tgt Ion:146 Resp: 123877
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.5 52.9
 148 64.3 43.9 81.5



#63
 1,4-Dichlorobenzene
 Concen: 53.809 ug/L
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028526.D
 Acq: 07 Dec 2018 12:21

Tgt Ion:146 Resp: 127106
 Ion Ratio Lower Upper
 146 100
 111 41.0 27.6 51.4
 148 63.9 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 53.100 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

VICV59

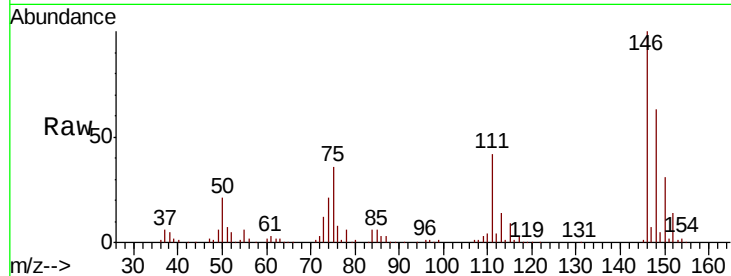
Tgt Ion:146 Resp: 123758

Ion Ratio Lower Upper

146 100

111 42.4 33.4 50.2

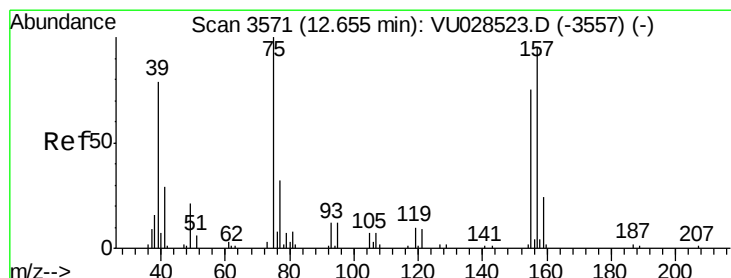
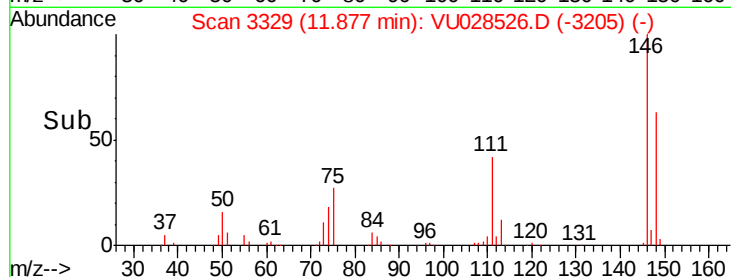
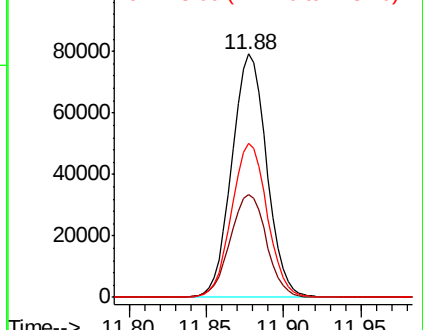
148 63.3 50.2 75.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 52.368 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

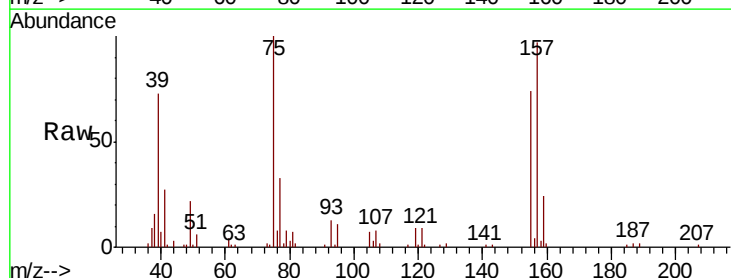
Tgt Ion: 75 Resp: 24186

Ion Ratio Lower Upper

75 100

155 74.2 59.9 89.9

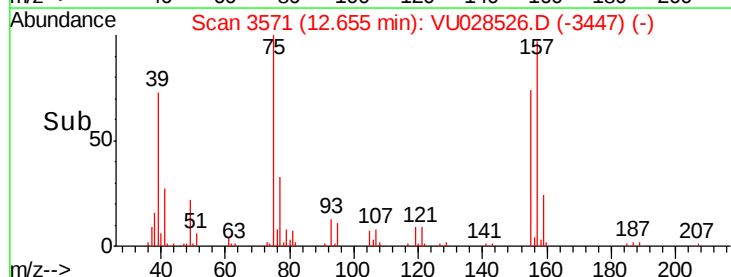
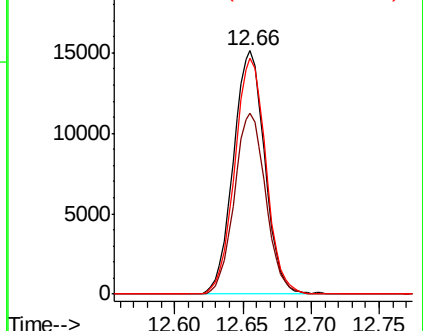
157 96.8 75.8 113.8

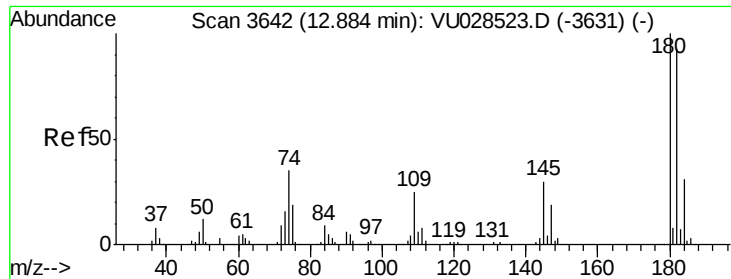


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

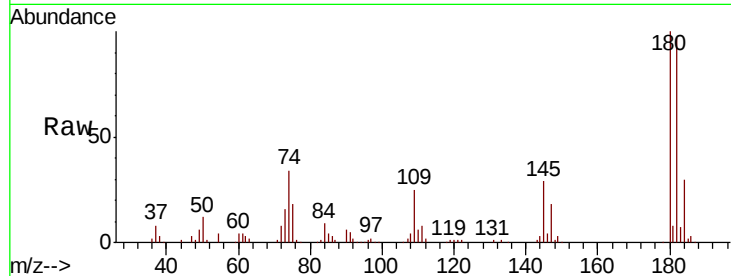




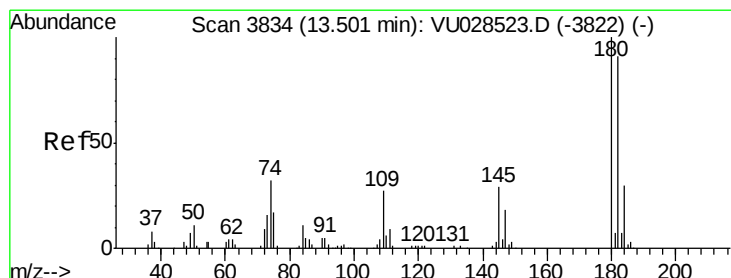
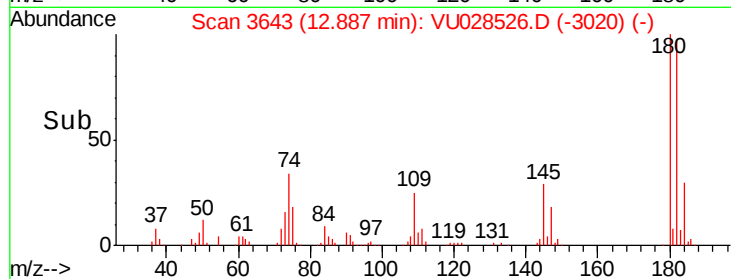
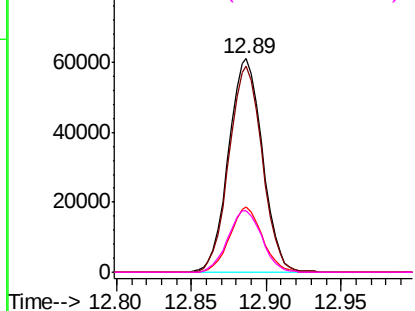
#67
 1,3,5-Trichlorobenzene
 Concen: 55.664 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU028526.D
 Acq: 07 Dec 2018 12:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV59

Tgt Ion:180 Resp: 96327
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.0 112.6
 184 29.5 23.9 35.9
 145 28.8 23.8 35.8

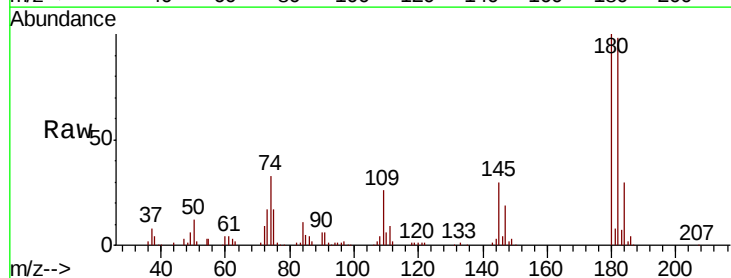


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

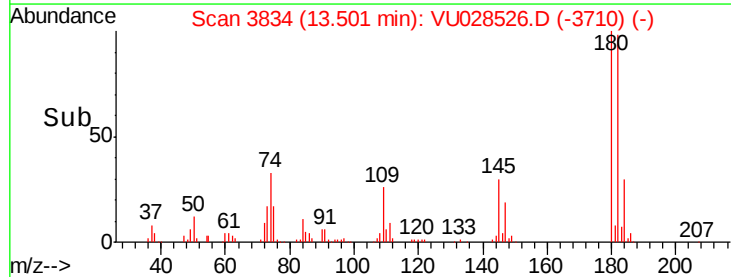
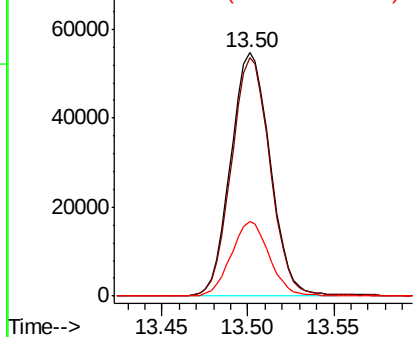


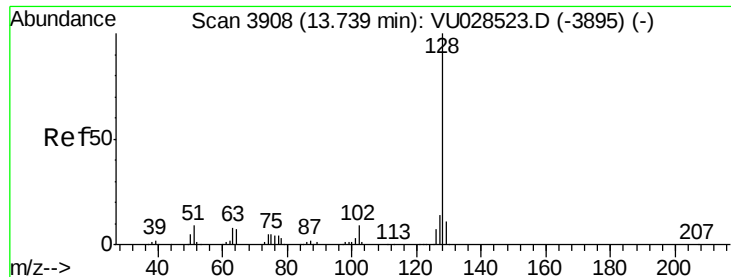
#68
 1,2,4-trichlorobenzene
 Concen: 54.064 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028526.D
 Acq: 07 Dec 2018 12:21

Tgt Ion:180 Resp: 87088
 Ion Ratio Lower Upper
 180 100
 182 96.7 74.8 112.2
 145 29.7 23.0 34.6



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





#69

Naphthalene

Concen: 53.061 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

Instrument :

MSVOA_U

ClientSampleId :

VICV59

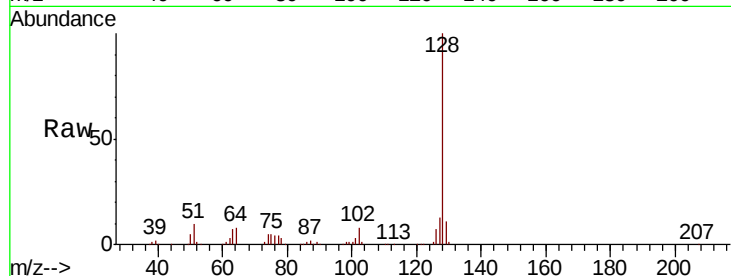
Tgt Ion:128 Resp: 294536

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

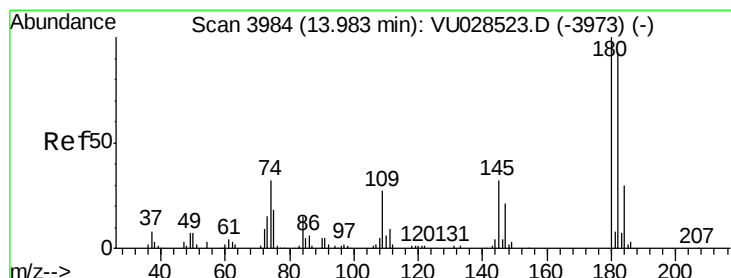
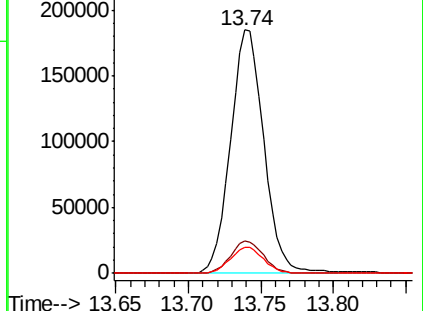
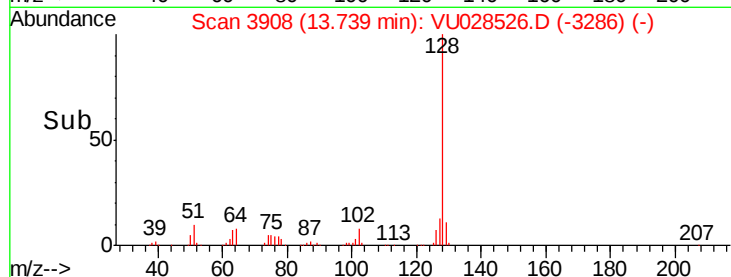
129 10.9 8.6 13.0



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: 54.483 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028526.D

Acq: 07 Dec 2018 12:21

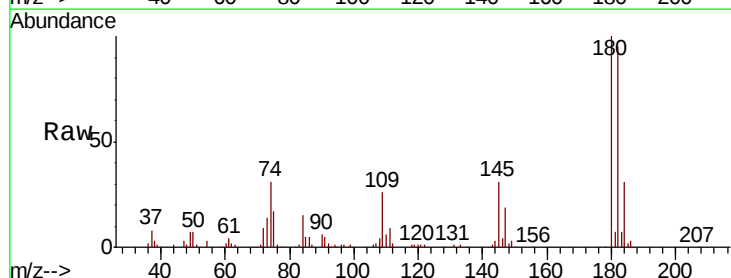
Tgt Ion:180 Resp: 88176

Ion Ratio Lower Upper

180 100

182 94.9 75.2 112.8

145 31.2 25.4 38.0



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

