

Data File : VU031520.D
Acq On : 26 Apr 2019 10:15
Operator : JC/SP
Sample : VSTD00549
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

Quant Time: Apr 26 23:32:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 26 23:29:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	627200	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	600854	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	244431	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	26726	5.22	ug/L	0.00
7) Chloroethane-d5	1.68	69	20382	5.22	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	53594	5.87	ug/L	0.00
21) 2-Butanone-d5	4.32	46	377	0.09	ug/L	0.13
24) Chloroform-d	4.65	84	47190	5.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	29993	5.84	ug/L	0.00
32) Benzene-d6	5.34	84	86670	4.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	30833	5.38	ug/L	0.00
41) Toluene-d8	7.56	98	70380	4.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	11836	4.56	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	20816	7.50	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.43	84	41542	5.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	25369	5.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	38488	7.937 ug/L	97
3) Chloromethane	1.32	50	45230	7.368 ug/L	95
5) Vinyl chloride	1.40	62	42787	7.202 ug/L	96
6) Bromomethane	1.63	94	23562	7.006 ug/L	97
8) Chloroethane	1.70	64	23549	7.019 ug/L	93
9) Trichlorofluoromethane	1.88	101	49479	7.067 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	28290	7.032 ug/L	96
12) 1,1-Dichloroethene	2.28	96	26883	6.796 ug/L	95
13) Acetone	2.34	43	66013	19.376 ug/L	99
14) Carbon disulfide	2.48	76	91105	7.463 ug/L	99
15) Methyl Acetate	2.62	43	44053	7.429 ug/L	98
16) Methylene chloride	2.70	84	31887	7.000 ug/L	93
17) trans-1,2-Dichloroethene	2.98	96	27853	6.823 ug/L	96
18) Methyl tert-butyl Ether	2.99	73	81486	6.070 ug/L	99
19) 1,1-Dichloroethane	3.44	63	57181	6.971 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	28247	6.113 ug/L	91
22) 2-Butanone	4.29	43	52038	12.238 ug/L	79
23) Bromochloromethane	4.55	128	13887	6.053 ug/L	97
25) Chloroform	4.67	83	54812	6.977 ug/L	94
27) 1,2-Dichloroethane	5.40	62	44895	7.489 ug/L #	93
29) Cyclohexane	4.99	56	46298	6.101 ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	43326	6.509 ug/L	99
31) Carbon tetrachloride	5.13	117	37595	6.596 ug/L	100
33) Benzene	5.39	78	107799	5.973 ug/L	100
34) Trichloroethene	6.19	95	28150	5.975 ug/L	95
35) Methylcyclohexane	6.41	83	37626	5.439 ug/L	95
37) 1,2-Dichloropropane	6.33	63	3742	0.767 ug/L	100
38) Bromodichloromethane	6.76	83	37799	6.348 ug/L	94
39) cis-1,3-Dichloropropene	7.27	75	35765	5.092 ug/L	94
40) 4-Methyl-2-pentanone	7.46	43	91963	12.362 ug/L	94

Data File : VU031520.D
Acq On : 26 Apr 2019 10:15
Operator : JC/SP
Sample : VSTD00549
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

Quant Time: Apr 26 23:32:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 26 23:29:35 2019
Response via : Initial Calibration

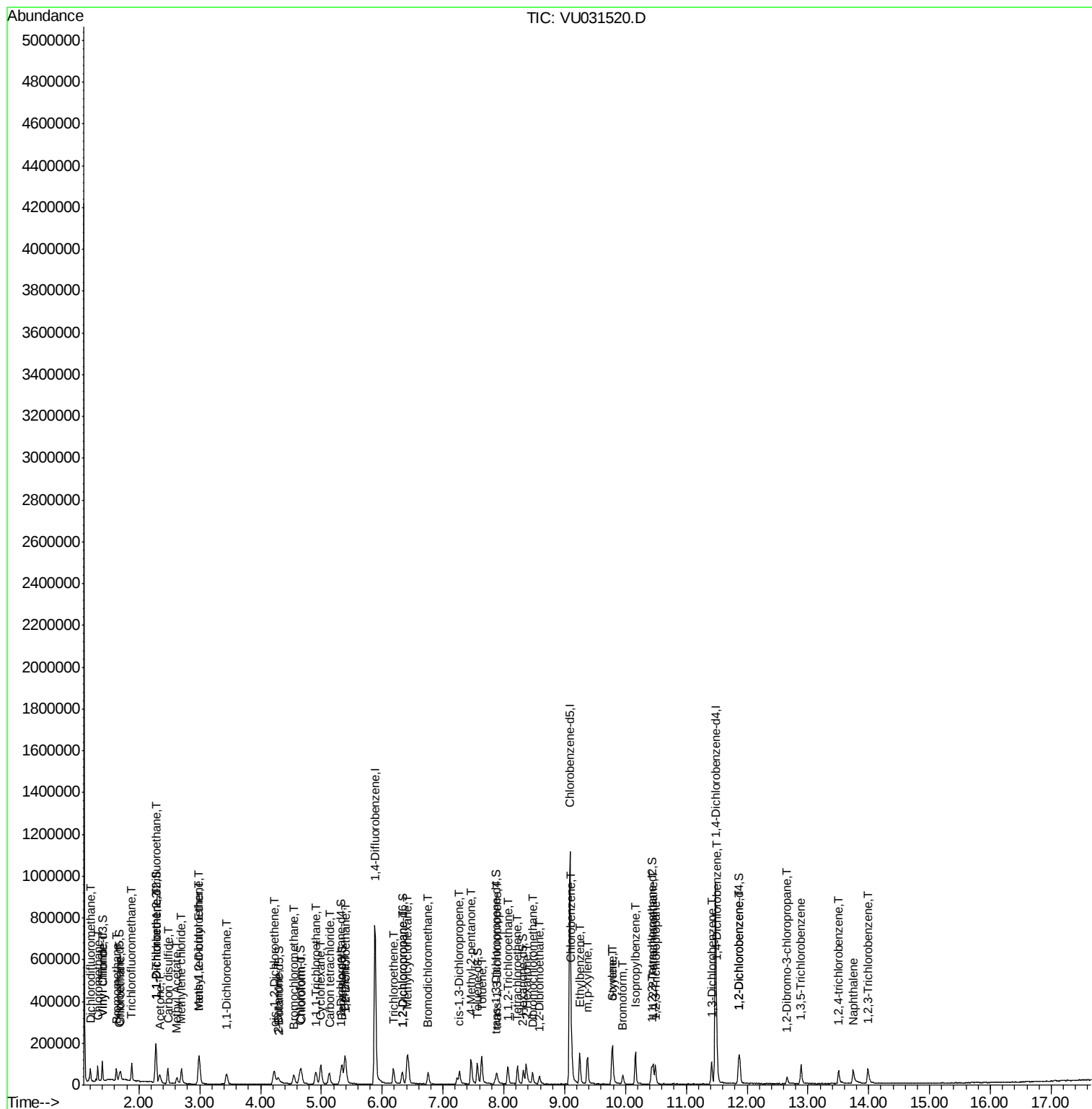
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	102484	5.522	ug/L	98
44) trans-1,3-Dichloropropene	7.89	75	33909	5.486	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	26294	6.000	ug/L	92
46) Tetrachloroethene	8.22	164	18949	5.803	ug/L	90
48) 2-Hexanone	8.37	43	72718	12.364	ug/L	96
49) Dibromochloromethane	8.48	129	26498	5.737	ug/L	100
50) 1,2-Dibromoethane	8.59	107	28147	6.166	ug/L #	88
51) Chlorobenzene	9.12	112	64499	5.676	ug/L	95
52) Ethylbenzene	9.25	91	105426	5.330	ug/L	100
53) m,p-Xylene	9.38	106	35682	5.028	ug/L	98
54) o-xylene	9.78	106	35584	4.969	ug/L	98
55) Styrene	9.79	104	56364	4.675	ug/L	93
56) Isopropylbenzene	10.16	105	92014	4.989	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	46807	6.182	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	38979	6.574	ug/L	97
61) Bromoform	9.96	173	19801	6.421	ug/L #	97
62) 1,3-Dichlorobenzene	11.42	146	41339	5.695	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	44915	6.172	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	46424	6.209	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.66	75	10573	7.261	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	32266	6.068	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	21241	4.971	ug/L	97
69) Naphthalene	13.75	128	70966	4.786	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.99	180	28313	6.096	ug/L	94

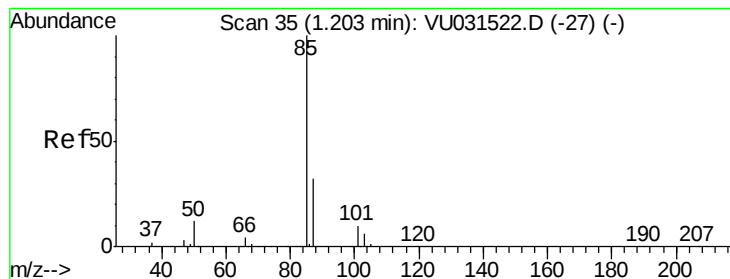
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU031520.D
Acq On : 26 Apr 2019 10:15
Operator : JC/SP
Sample : VSTD00549
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

Quant Time: Apr 26 23:32:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 26 23:29:35 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 7.937 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

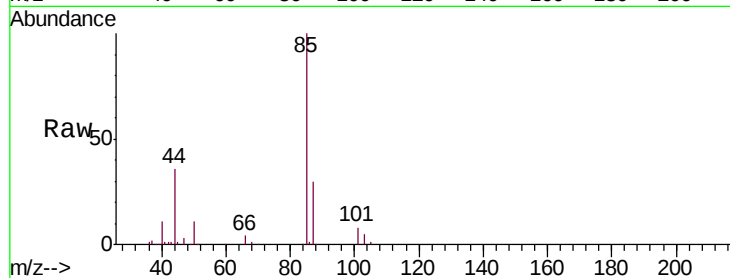
VSTD00549

Tgt Ion: 85 Resp: 38488

Ion Ratio Lower Upper

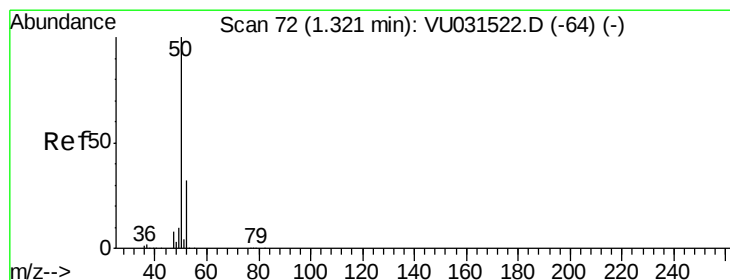
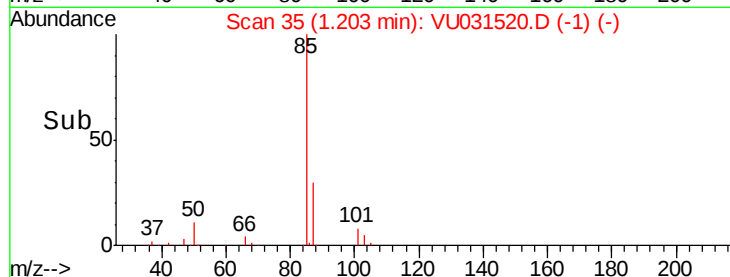
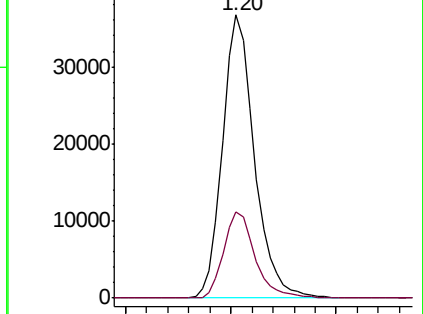
85 100

87 29.8 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU031522.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031522.D (-27) (-)



#3

Chloromethane

Concen: 7.368 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031520.D

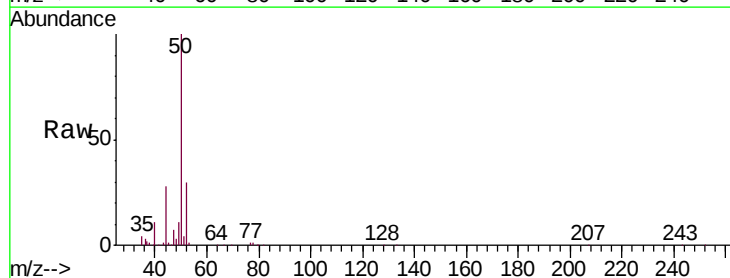
Acq: 26 Apr 2019 10:15

Tgt Ion: 50 Resp: 45230

Ion Ratio Lower Upper

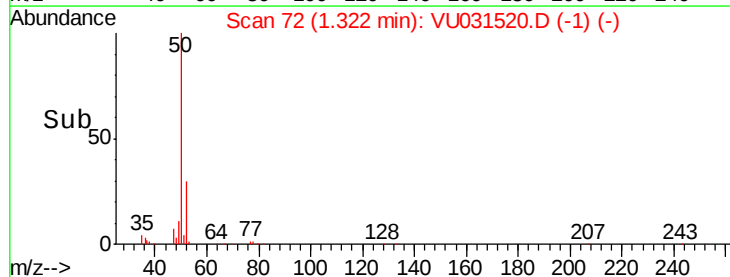
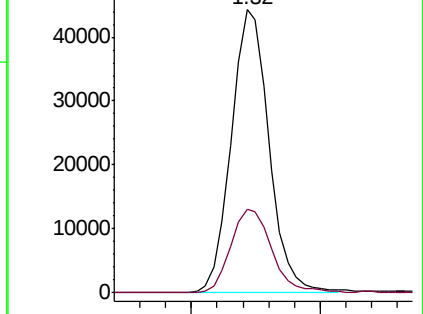
50 100

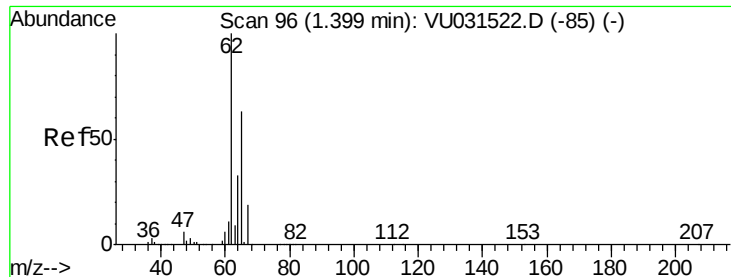
52 29.6 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU031522.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU031522.D (-64) (-)





#5

Vinyl chloride

Concen: 7.202 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

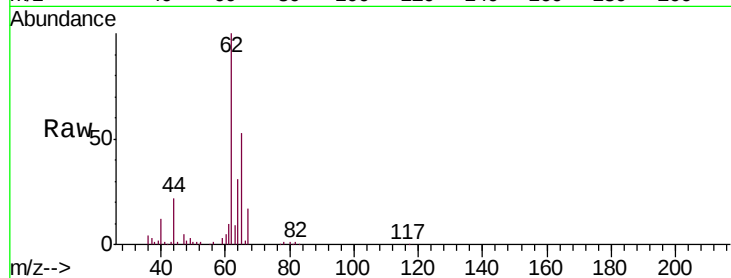
VSTD00549

Tgt Ion: 62 Resp: 42787

Ion Ratio Lower Upper

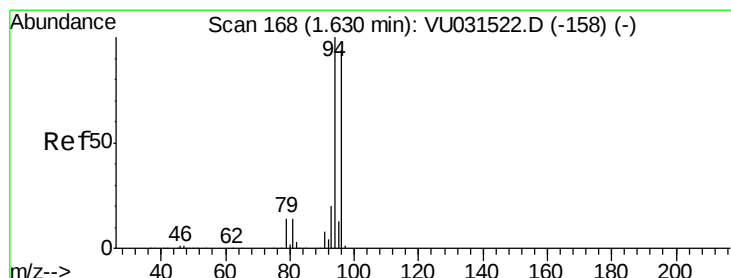
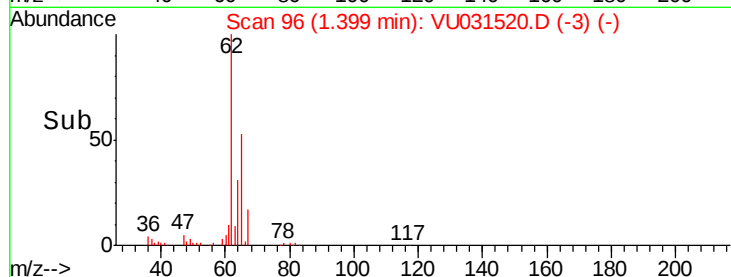
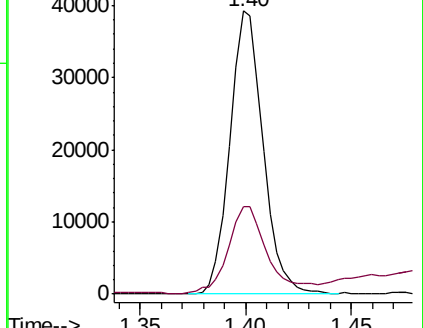
62 100

64 30.9 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031520.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU031520.D (-85) (-)



#6

Bromomethane

Concen: 7.006 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031520.D

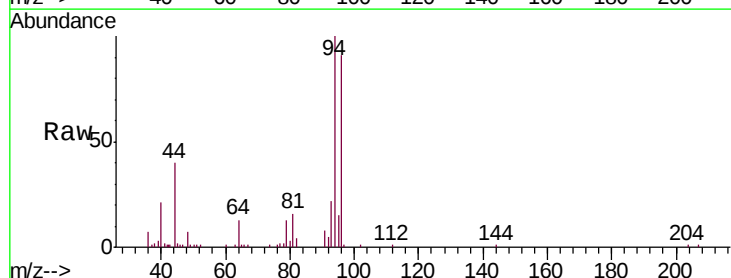
Acq: 26 Apr 2019 10:15

Tgt Ion: 94 Resp: 23562

Ion Ratio Lower Upper

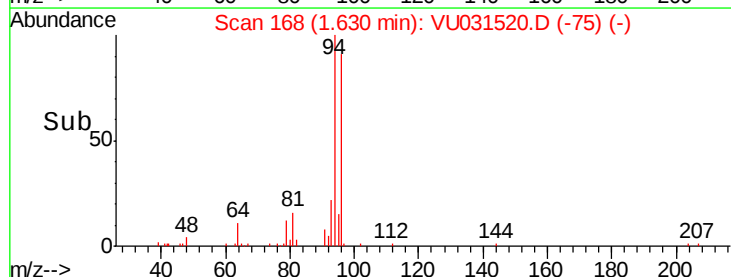
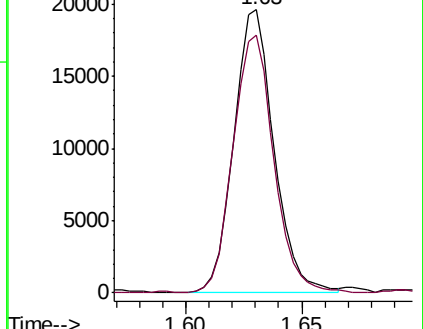
94 100

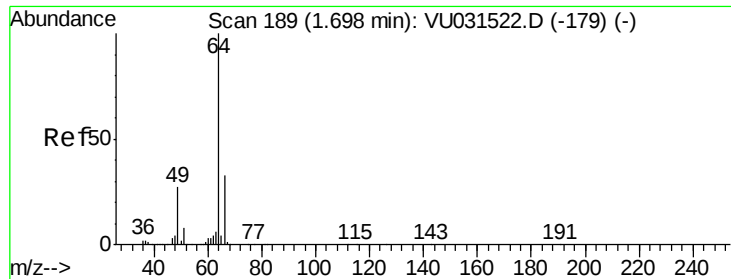
96 91.1 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU031520.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU031520.D (-158) (-)





#8

Chloroethane

Concen: 7.019 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

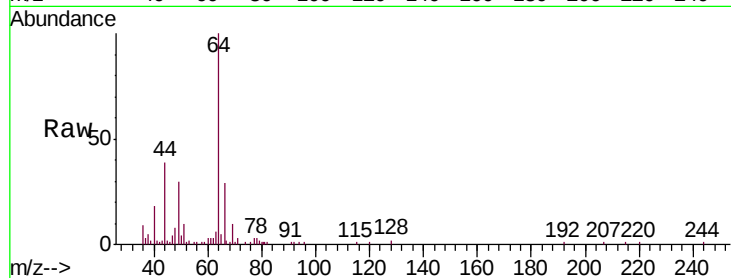
VSTD00549

Tgt Ion: 64 Resp: 23549

Ion Ratio Lower Upper

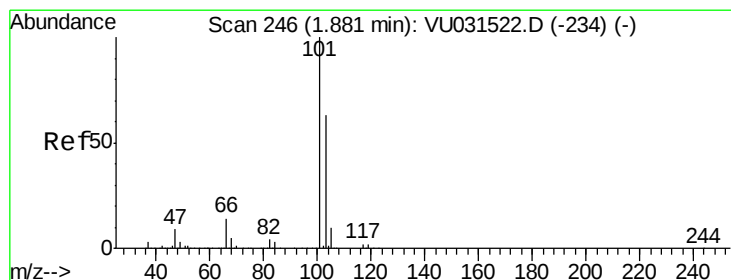
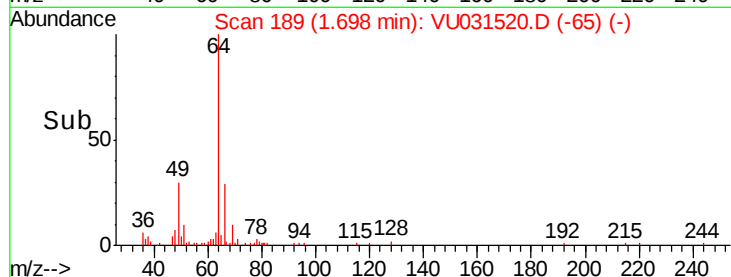
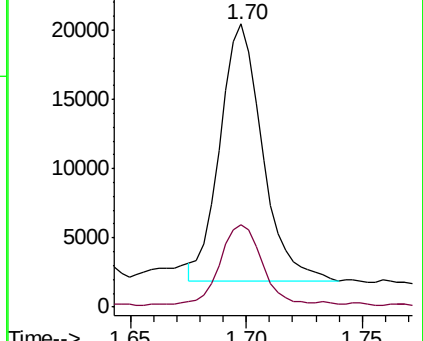
64 100

66 29.0 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VU031520.D

Ion 66.00 (65.70 to 66.70): VU031520.D



#9

Trichlorofluoromethane

Concen: 7.067 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU031520.D

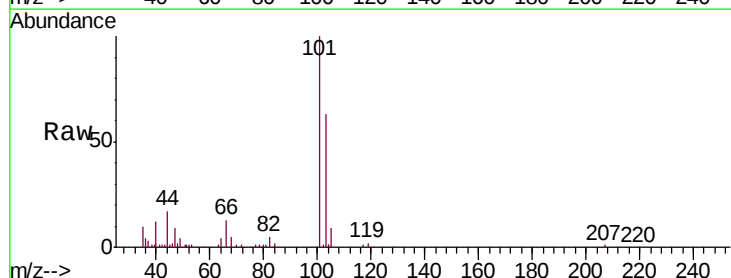
Acq: 26 Apr 2019 10:15

Tgt Ion: 101 Resp: 49479

Ion Ratio Lower Upper

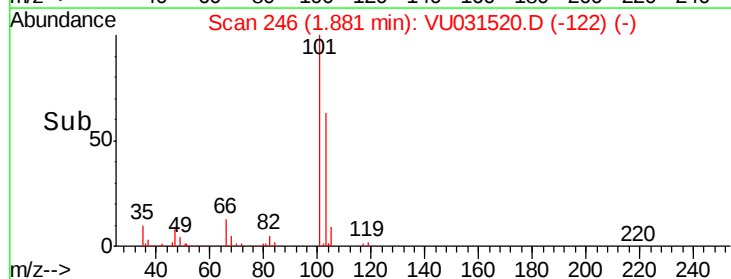
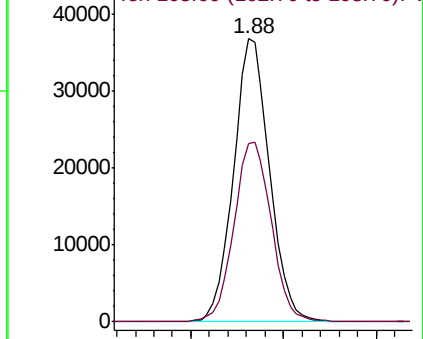
101 100

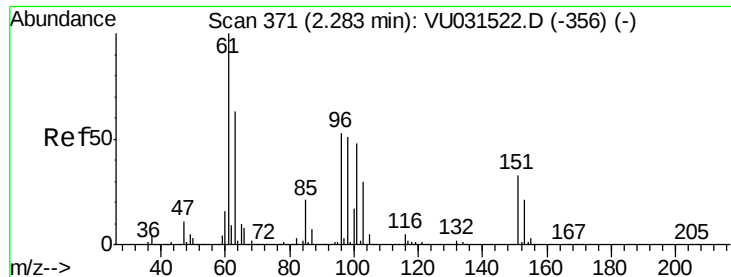
103 65.8 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VU031520.D

Ion 103.00 (102.70 to 103.70): VU031520.D





#10

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

Concen: 7.032 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

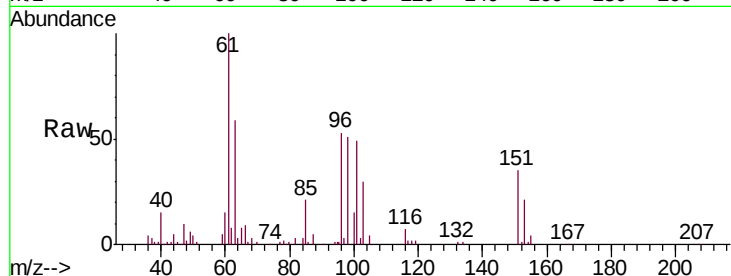
Tgt Ion: 101 Resp: 28290

Ion Ratio Lower Upper

101 100

85 41.2 36.1 54.1

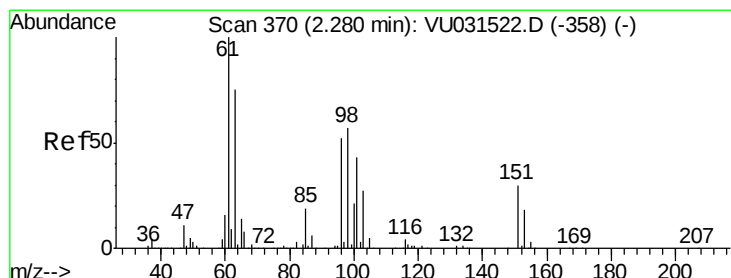
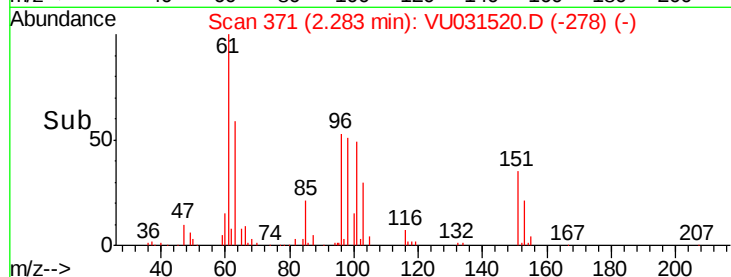
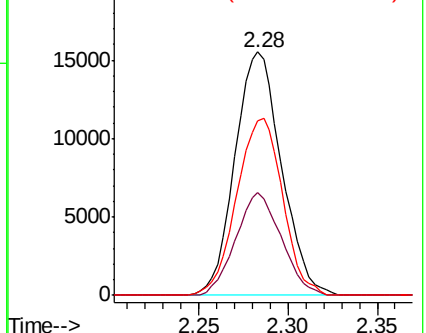
151 71.9 56.1 84.1



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: 6.796 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

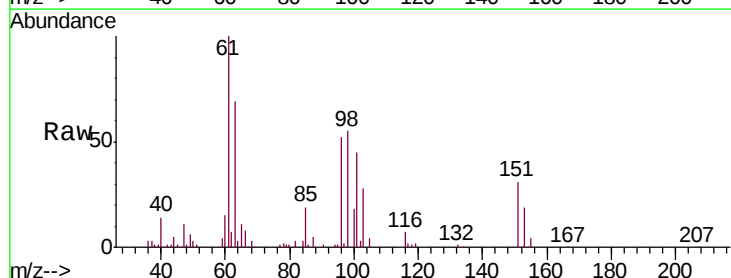
Tgt Ion: 96 Resp: 26883

Ion Ratio Lower Upper

96 100

61 192.8 135.0 250.6

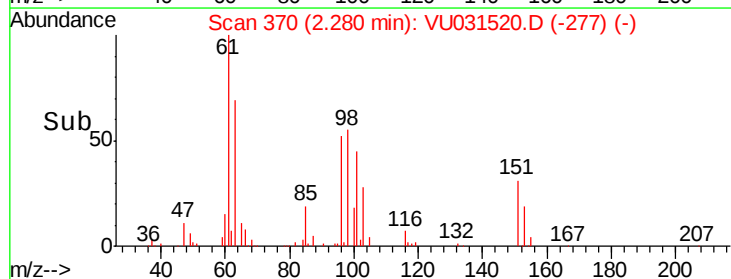
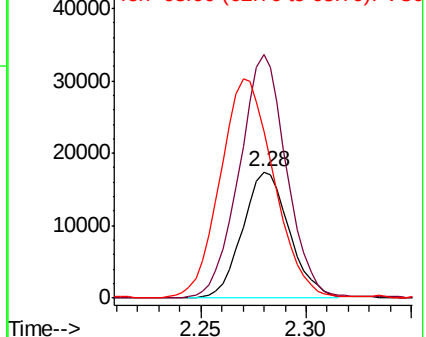
63 132.6 103.5 192.3

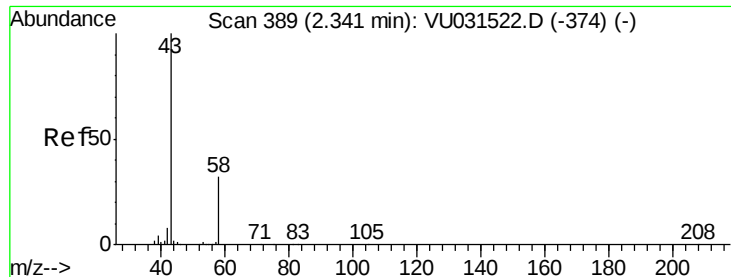


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 19.376 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

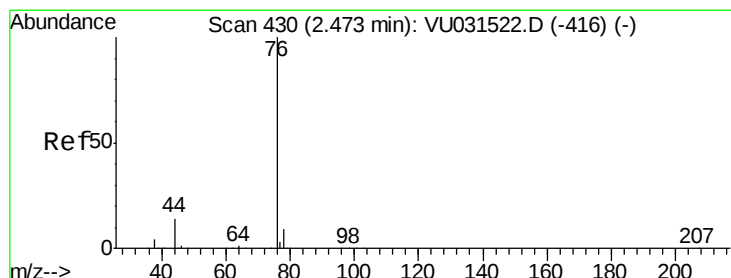
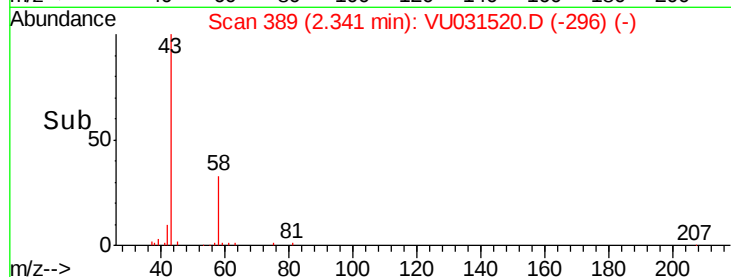
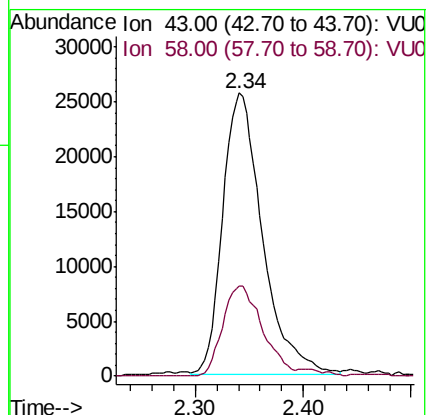
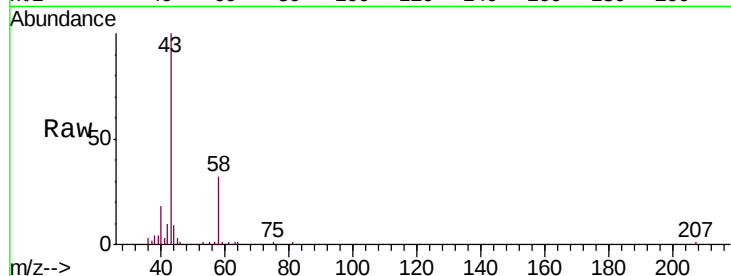
VSTD00549

Tgt Ion: 43 Resp: 66013

Ion Ratio Lower Upper

43 100

58 31.9 0.0 64.4



#14

Carbon disulfide

Concen: 7.463 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031520.D

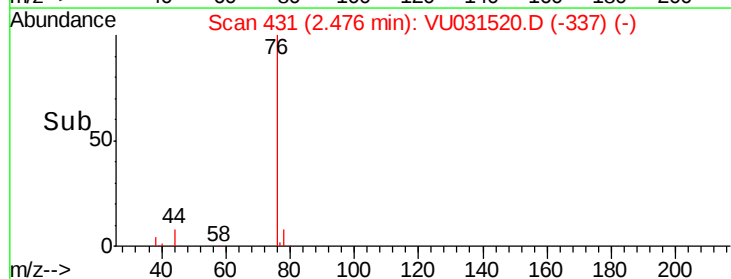
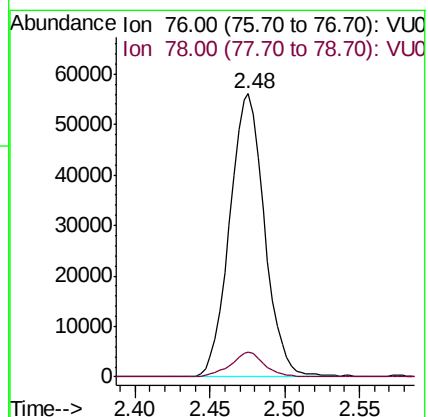
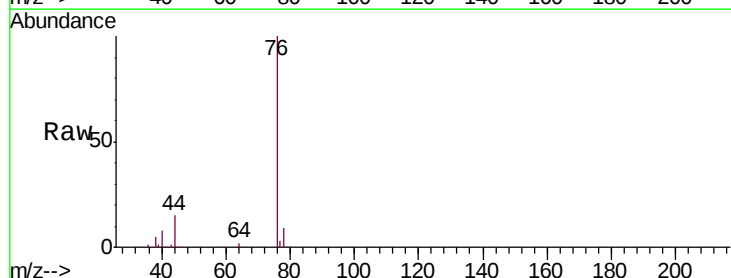
Acq: 26 Apr 2019 10:15

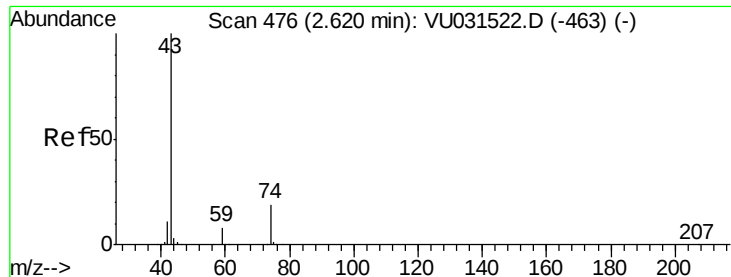
Tgt Ion: 76 Resp: 91105

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7

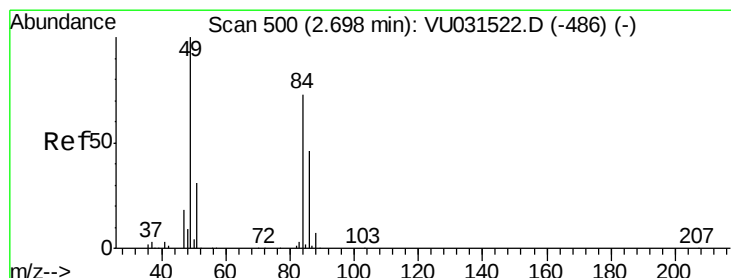
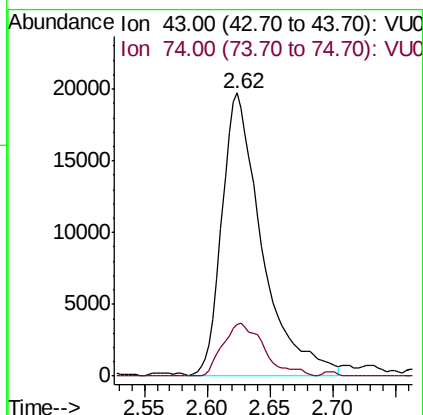
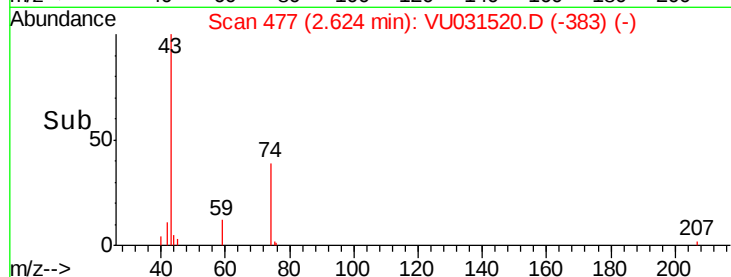
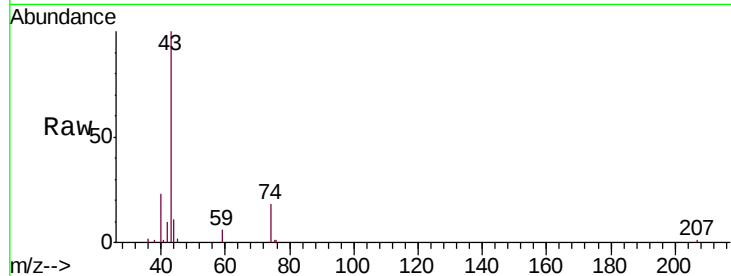




#15
Methyl Acetate
Concen: 7.429 ug/L
RT: 2.62 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU031520.D
Acq: 26 Apr 2019 10:15

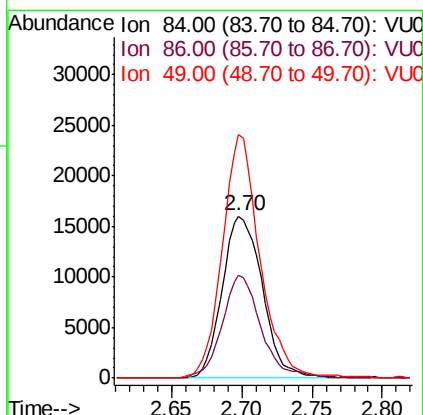
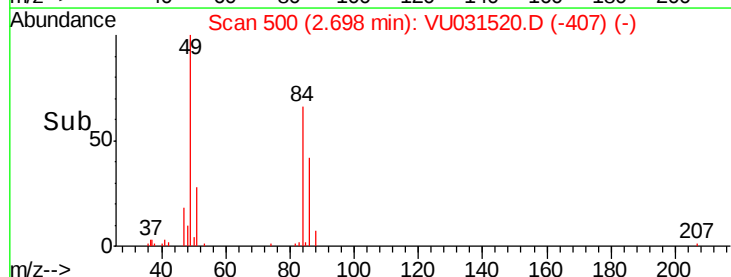
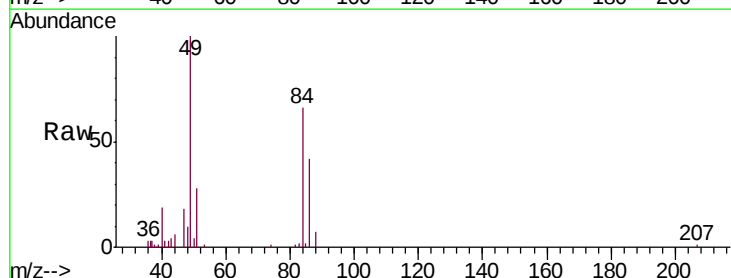
Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

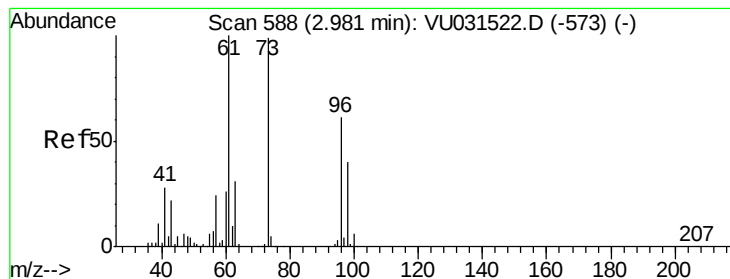
Tgt Ion: 43 Resp: 44053
Ion Ratio Lower Upper
43 100
74 18.7 15.7 23.5



#16
Methylene chloride
Concen: 7.000 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031520.D
Acq: 26 Apr 2019 10:15

Tgt Ion: 84 Resp: 31887
Ion Ratio Lower Upper
84 100
86 63.8 44.7 83.1
49 150.5 96.5 179.3





#17

trans-1,2-Dichloroethene

Concen: 6.823 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

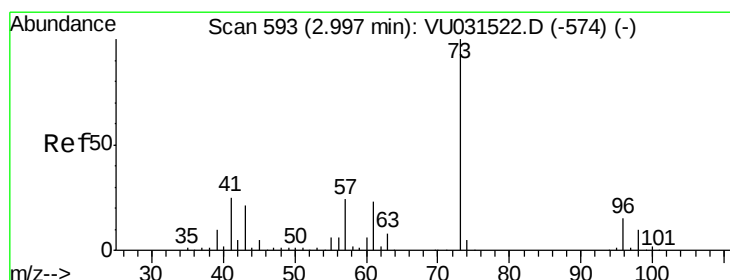
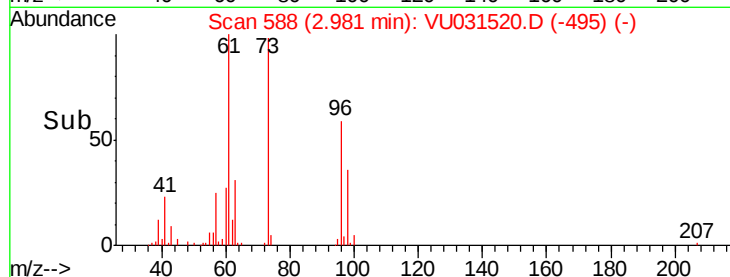
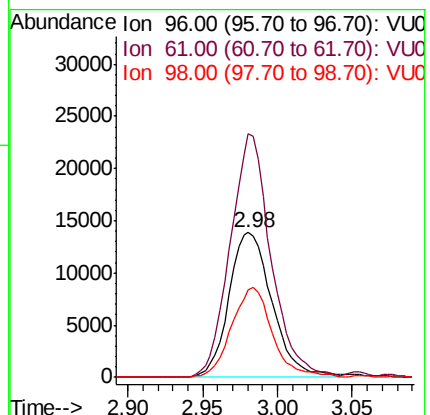
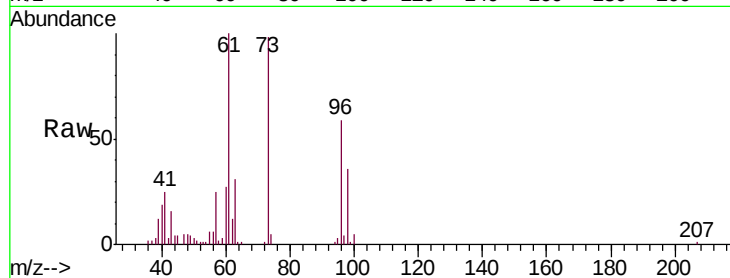
Tgt Ion: 96 Resp: 27853

Ion Ratio Lower Upper

96 100

61 168.3 114.5 212.7

98 60.1 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 6.070 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

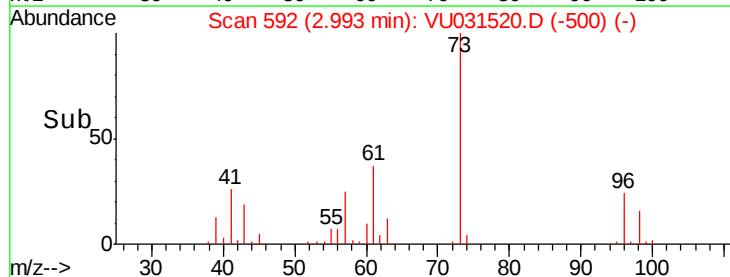
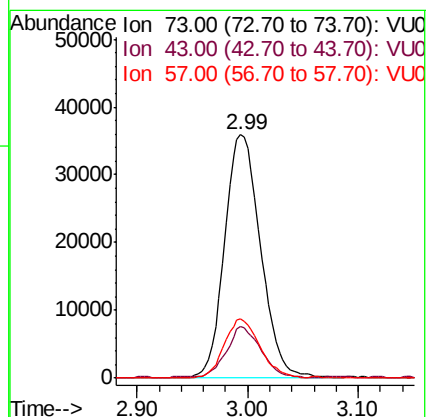
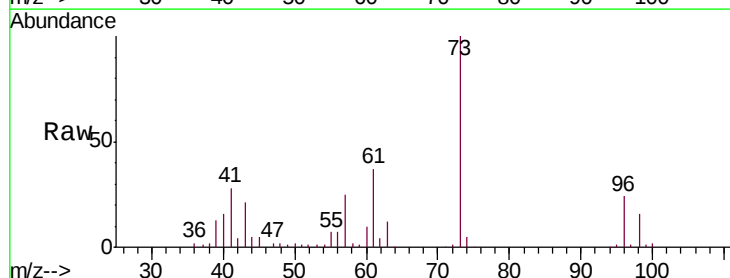
Tgt Ion: 73 Resp: 81486

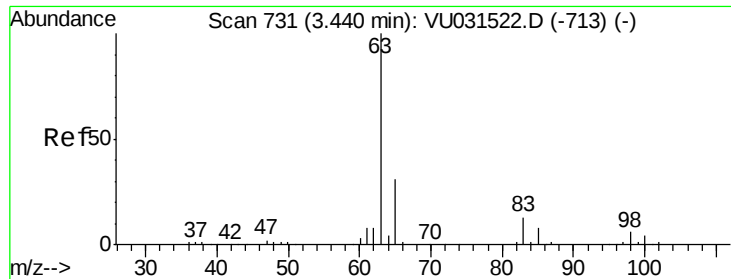
Ion Ratio Lower Upper

73 100

43 20.6 17.0 25.4

57 24.1 19.5 29.3

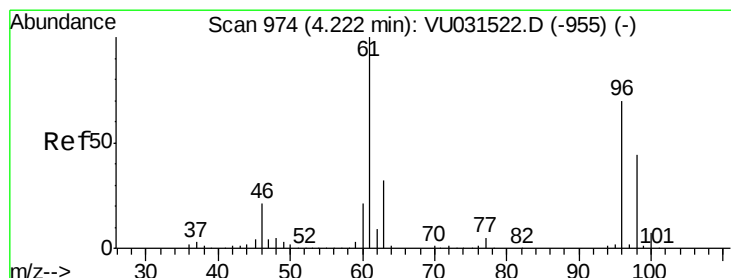
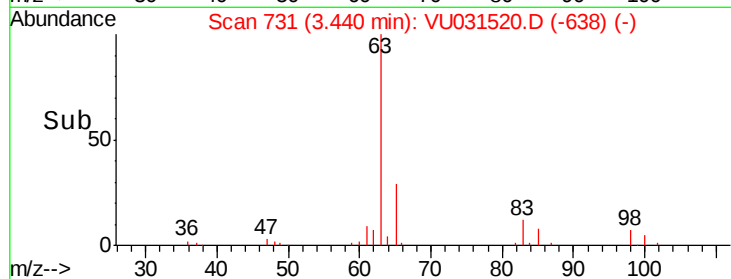
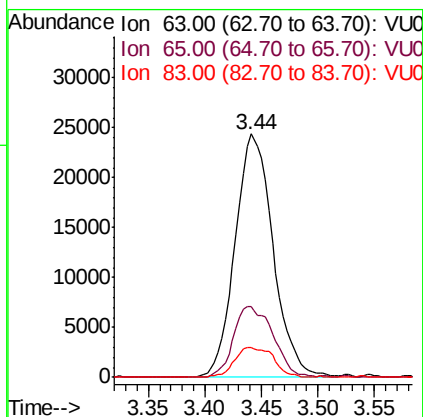
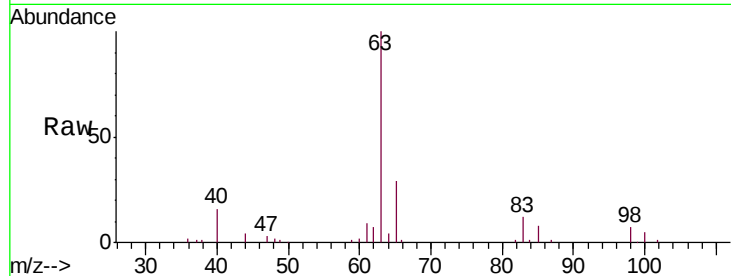




#19
 1,1-Dichloroethane
 Concen: 6.971 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

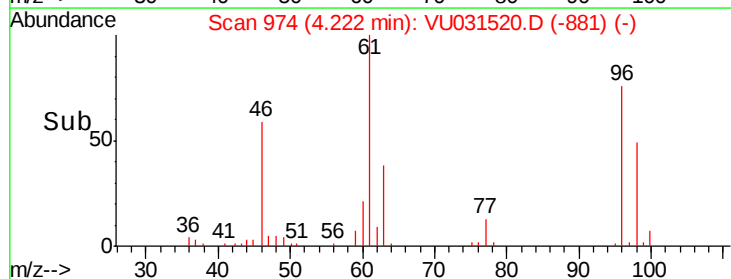
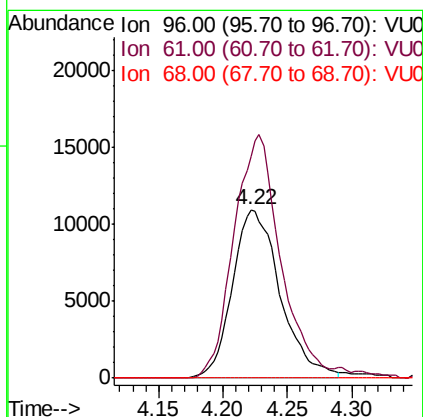
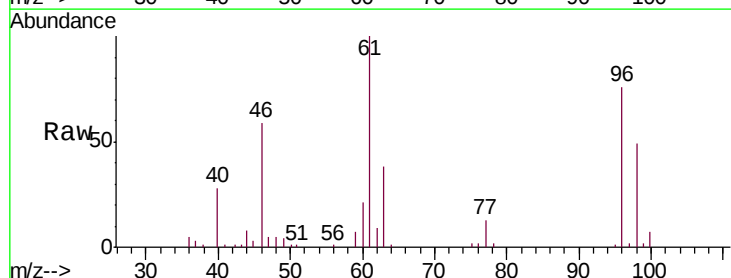
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

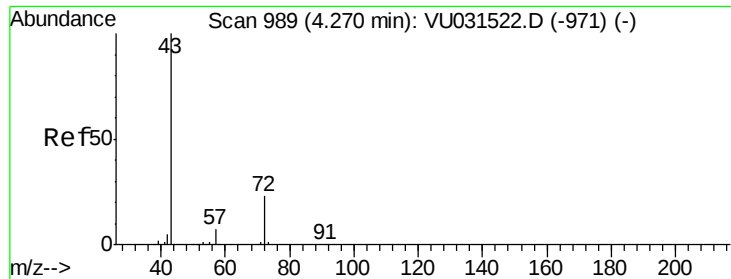
Tgt Ion: 63 Resp: 57181
 Ion Ratio Lower Upper
 63 100
 65 29.3 22.0 40.8
 83 12.1 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 6.113 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

Tgt Ion: 96 Resp: 28247
 Ion Ratio Lower Upper
 96 100
 61 131.5 99.5 184.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 12.238 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.02 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

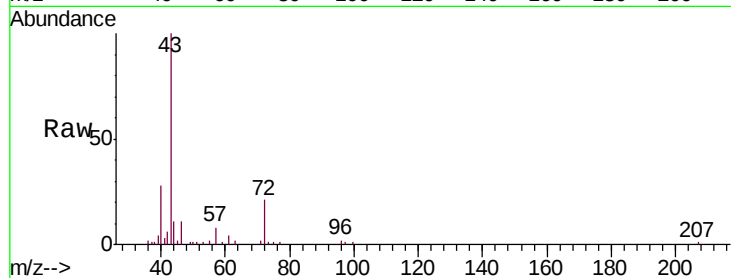
VSTD00549

Tgt Ion: 43 Resp: 52038

Ion Ratio Lower Upper

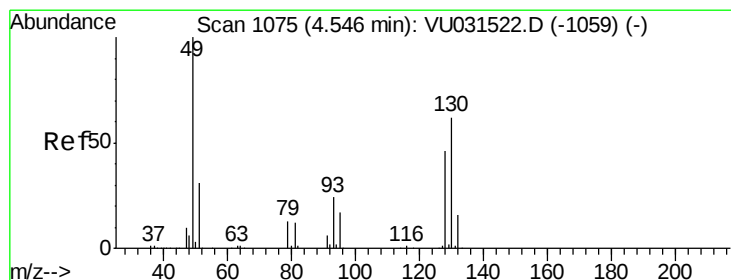
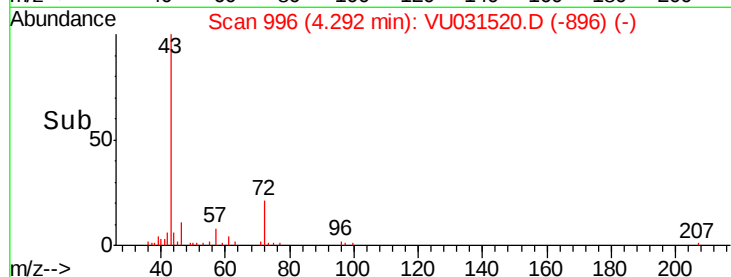
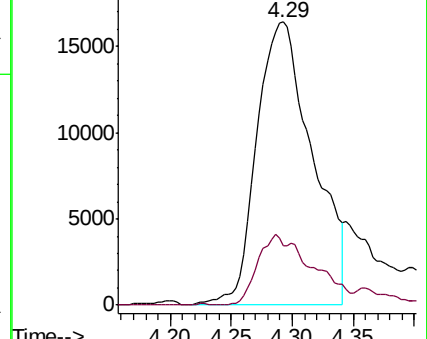
43 100

72 12.5 11.4 34.2



Abundance Ion 43.00 (42.70 to 43.70): VU031520.D (-996) (-)

Ion 72.00 (71.70 to 72.70): VU031520.D (-996) (-)



#23

Bromochloromethane

Concen: 6.053 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Tgt Ion: 128 Resp: 13887

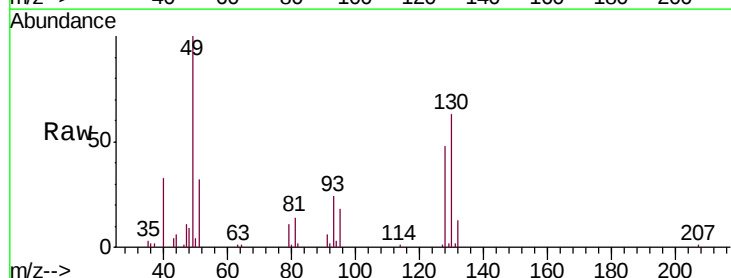
Ion Ratio Lower Upper

128 100

49 209.9 152.6 283.4

130 132.2 93.7 173.9

51 66.3 54.2 81.4

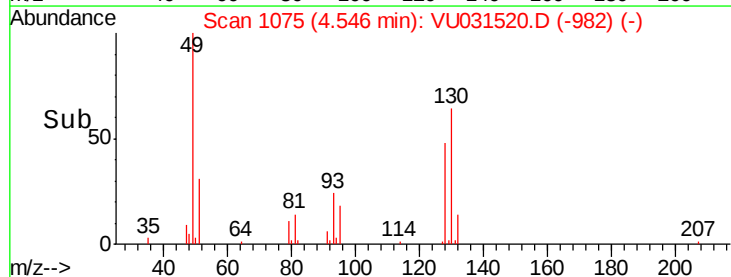
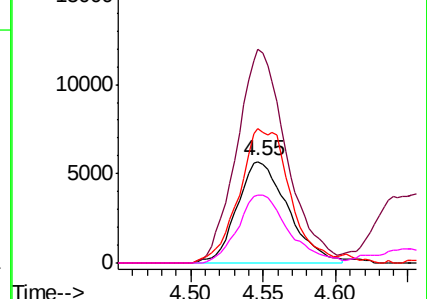


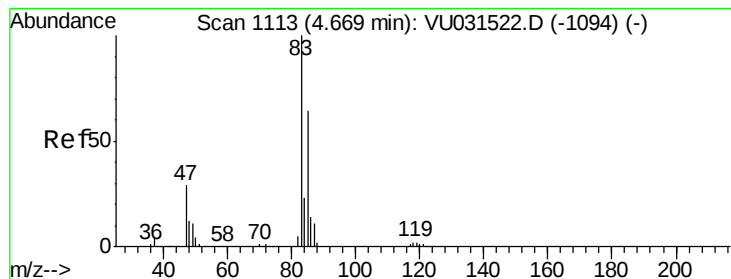
Abundance Ion 128.00 (127.70 to 128.70): VU031520.D (-1075) (-)

Ion 49.00 (48.70 to 49.70): VU031520.D (-1075) (-)

Ion 130.00 (129.70 to 130.70): VU031520.D (-1075) (-)

Ion 51.00 (50.70 to 51.70): VU031520.D (-1075) (-)





#25

Chloroform

Concen: 6.977 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

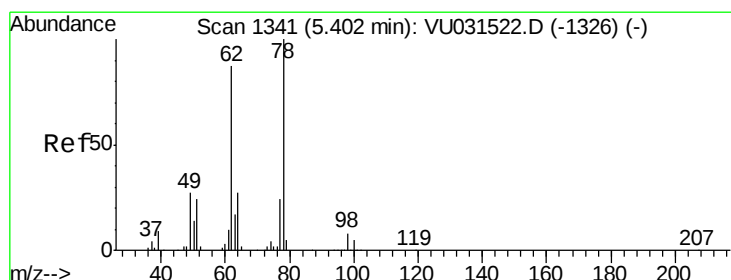
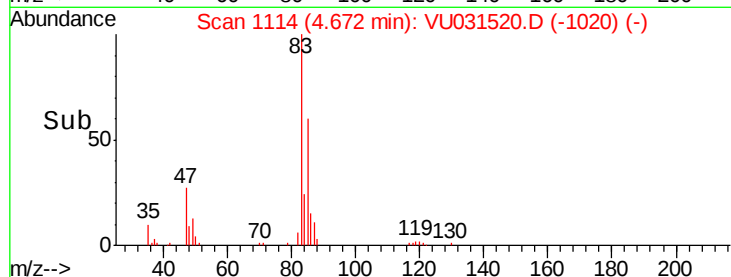
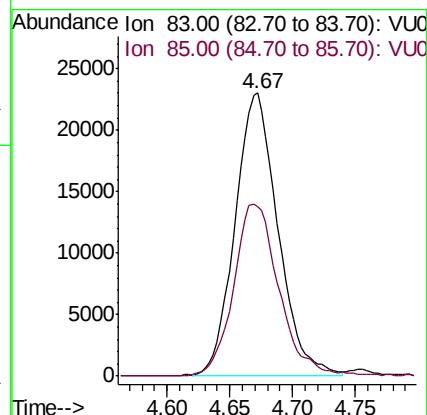
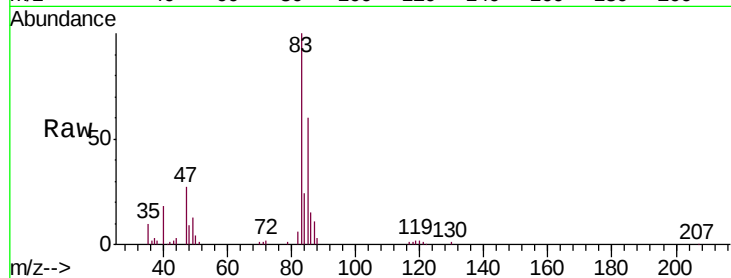
VSTD00549

Tgt Ion: 83 Resp: 54812

Ion Ratio Lower Upper

83 100

85 59.7 44.9 83.3



#27

1,2-Dichloroethane

Concen: 7.489 ug/L

RT: 5.40 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU031520.D

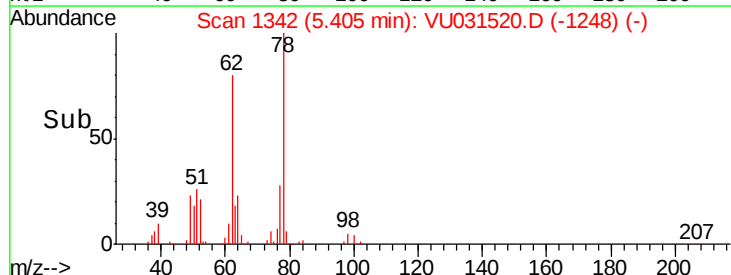
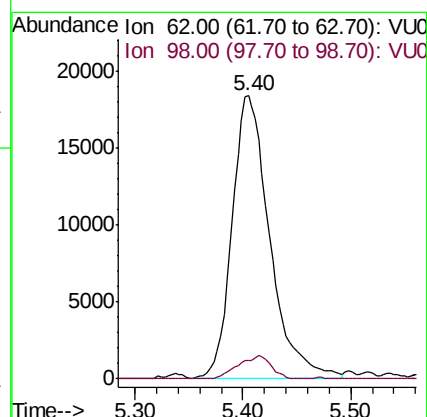
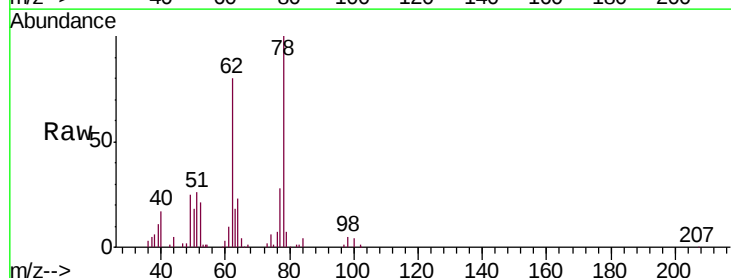
Acq: 26 Apr 2019 10:15

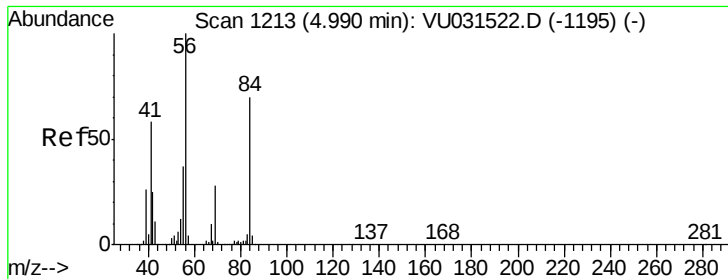
Tgt Ion: 62 Resp: 44895

Ion Ratio Lower Upper

62 100

98 6.5 7.1 10.7#

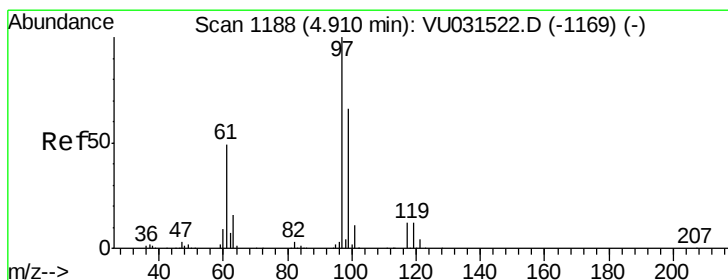
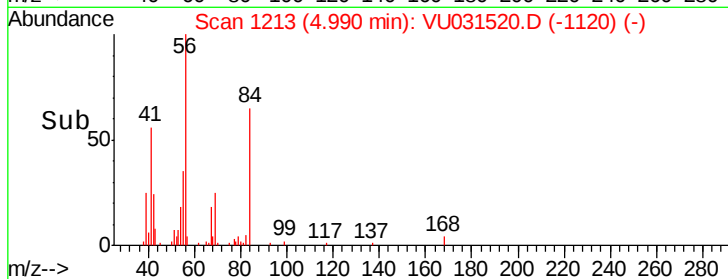
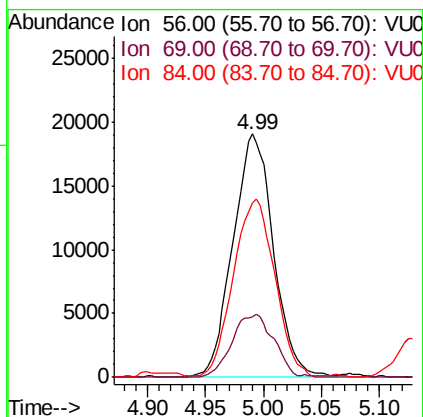
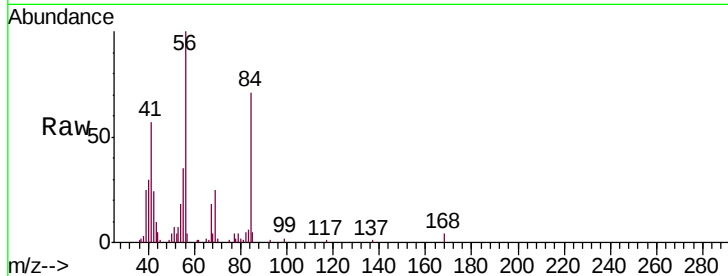




#29
Cyclohexane
Concen: 6.101 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU031520.D
Acq: 26 Apr 2019 10:15

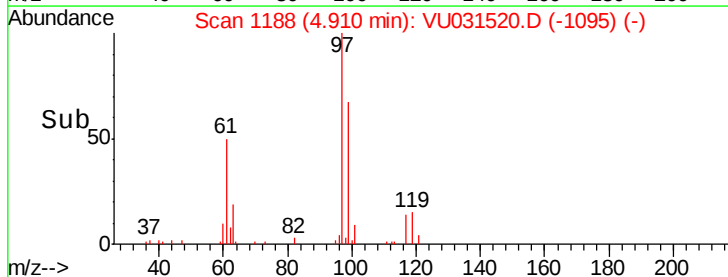
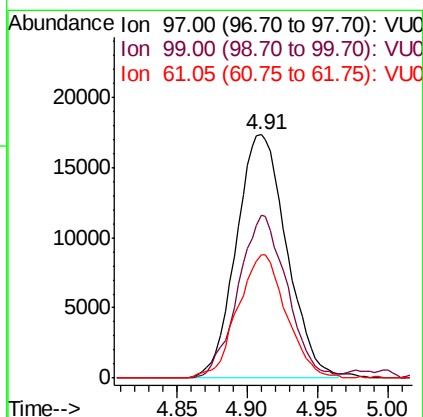
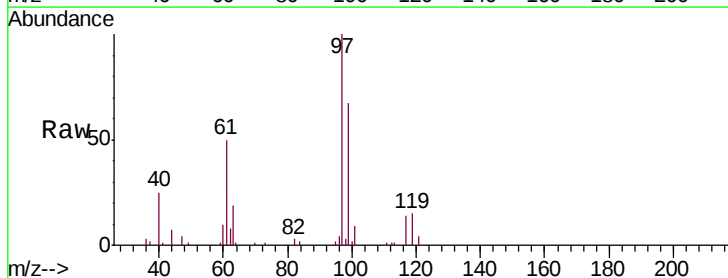
Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

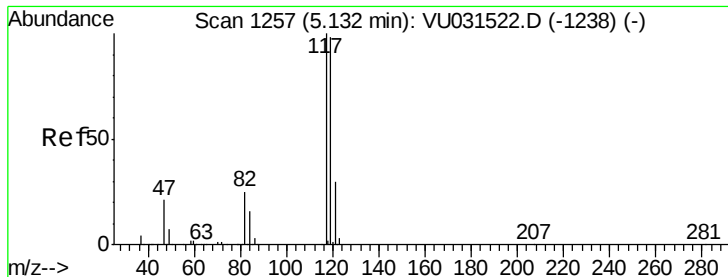
Tgt Ion: 56 Resp: 46298
Ion Ratio Lower Upper
56 100
69 26.5 22.3 33.5
84 75.0 57.5 86.3



#30
1,1,1-Trichloroethane
Concen: 6.509 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031520.D
Acq: 26 Apr 2019 10:15

Tgt Ion: 97 Resp: 43326
Ion Ratio Lower Upper
97 100
99 64.6 52.0 78.0
61 48.9 38.7 58.1





#31

Carbon tetrachloride

Concen: 6.596 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

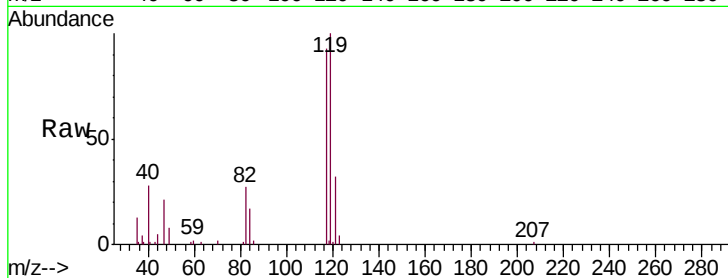
VSTD00549

Tgt Ion:117 Resp: 37595

Ion Ratio Lower Upper

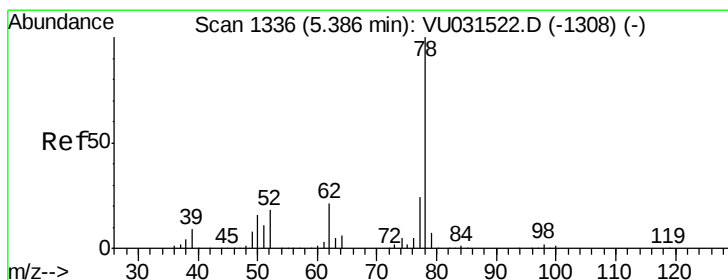
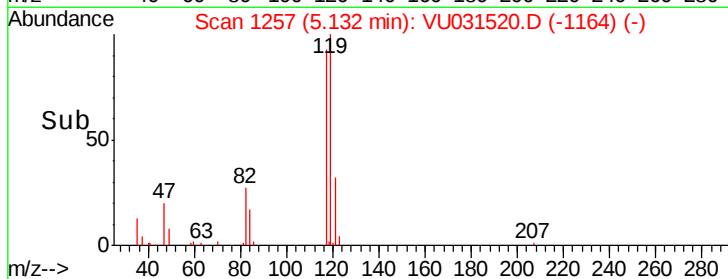
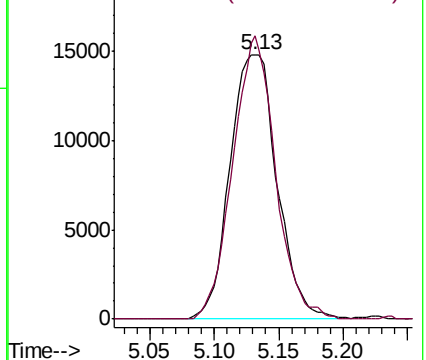
117 100

119 95.8 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.973 ug/L

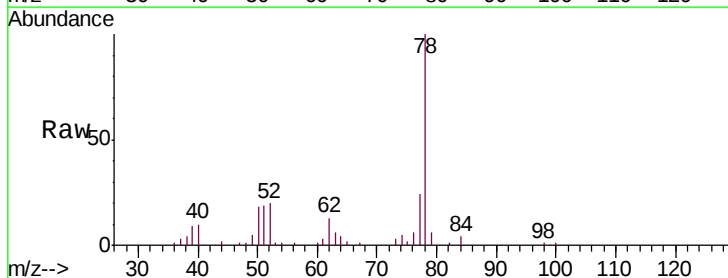
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

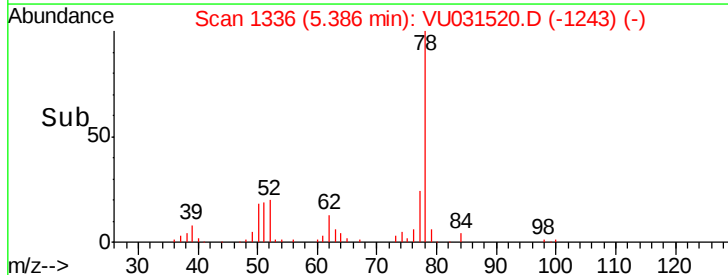
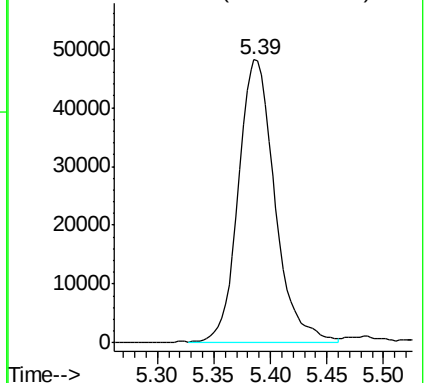
Lab File: VU031520.D

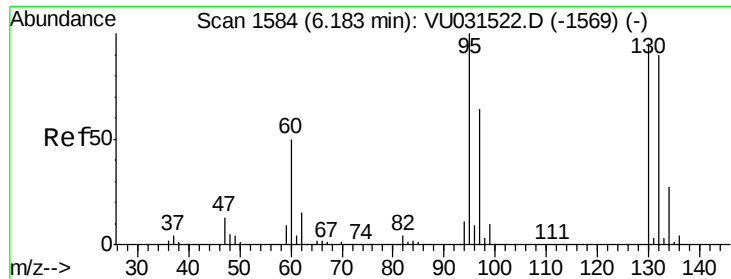
Acq: 26 Apr 2019 10:15

Tgt Ion: 78 Resp: 107799



Abundance Ion 78.00 (77.70 to 78.70): VU0

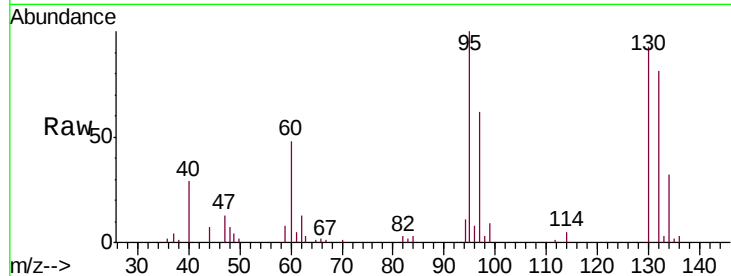




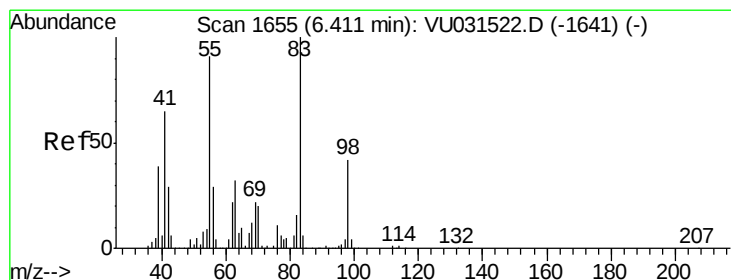
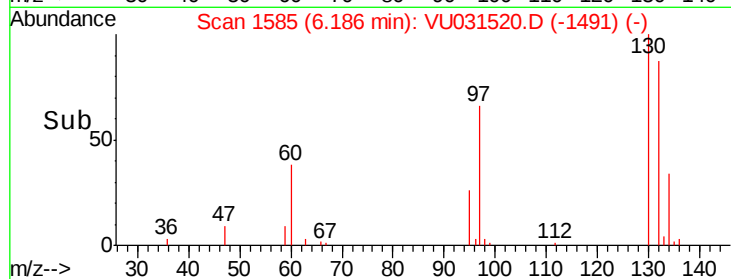
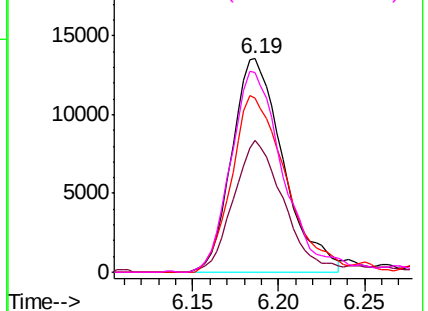
#34
 Trichloroethene
 Concen: 5.975 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

Tgt Ion: 95 Resp: 28150
 Ion Ratio Lower Upper
 95 100
 97 61.6 44.8 83.2
 132 81.4 63.1 117.1
 130 93.4 66.5 123.5

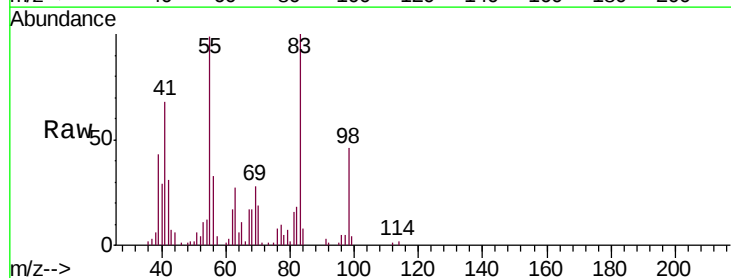


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

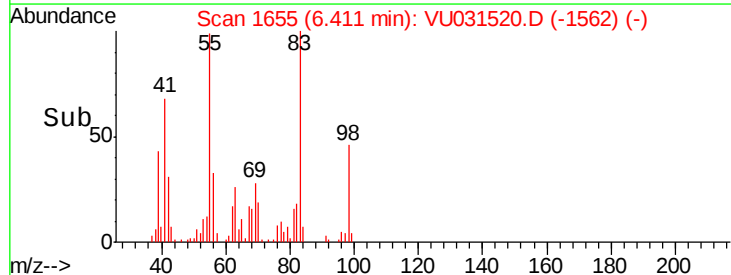
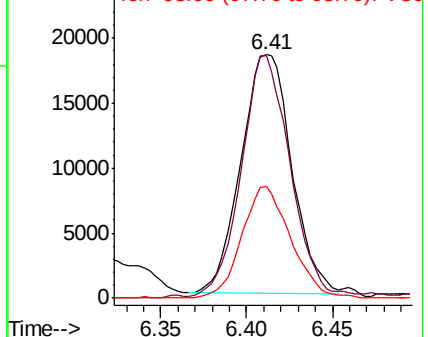


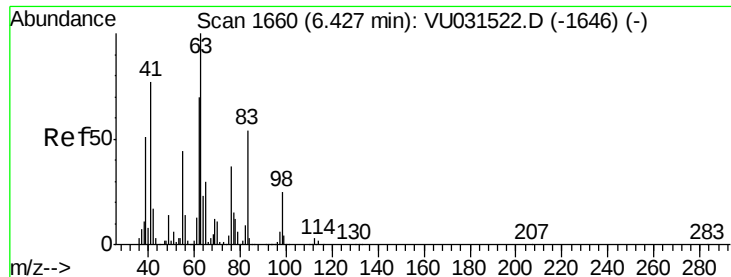
#35
 Methylcyclohexane
 Concen: 5.439 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

Tgt Ion: 83 Resp: 37626
 Ion Ratio Lower Upper
 83 100
 55 97.9 73.0 109.4
 98 45.2 35.3 52.9



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

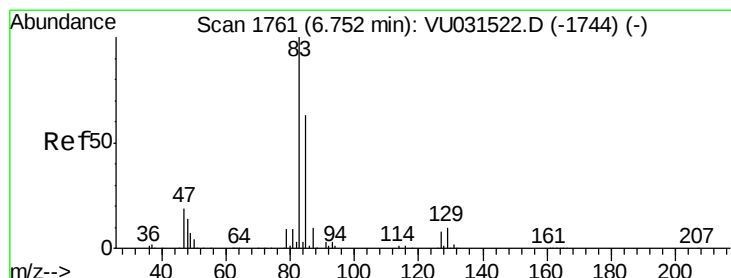
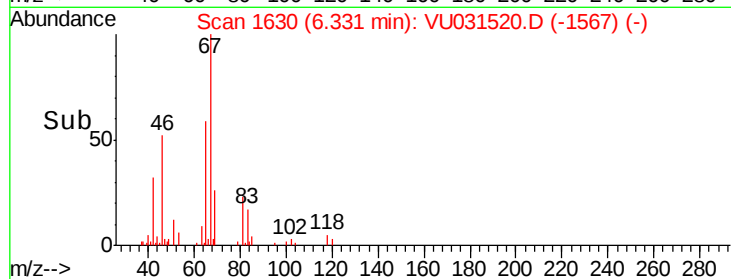
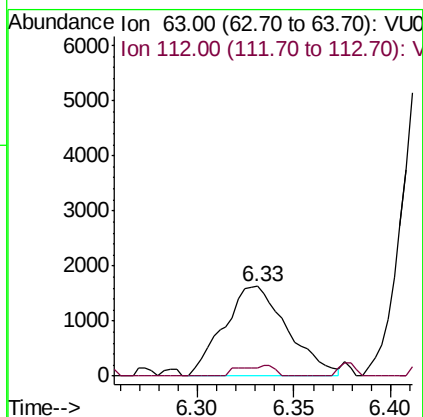
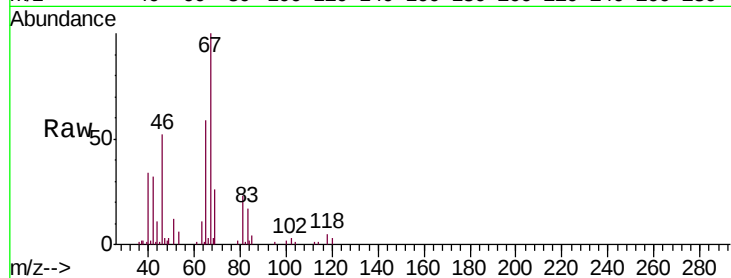




#37
 1,2-Dichloropropane
 Concen: 0.767 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.10 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

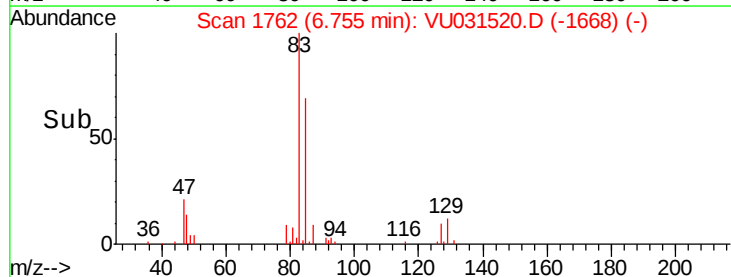
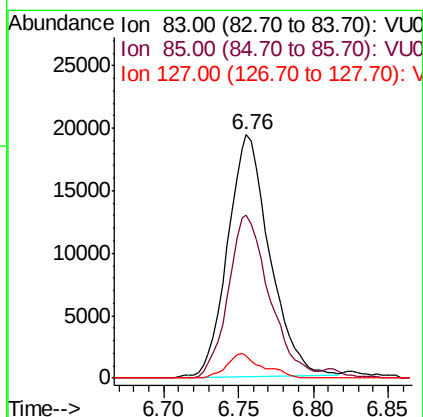
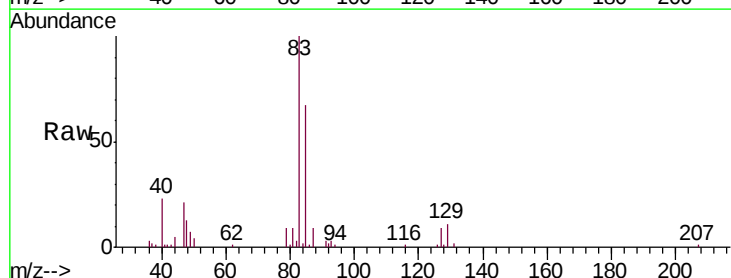
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

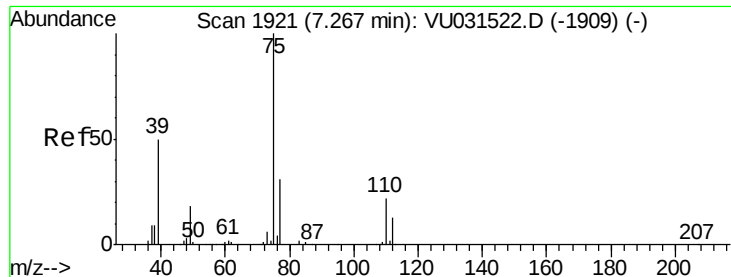
Tgt Ion: 63 Resp: 3742
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.7 4.1



#38
 Bromodichloromethane
 Concen: 6.348 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

Tgt Ion: 83 Resp: 37799
 Ion Ratio Lower Upper
 83 100
 85 67.1 43.7 81.1
 127 9.3 6.7 10.1



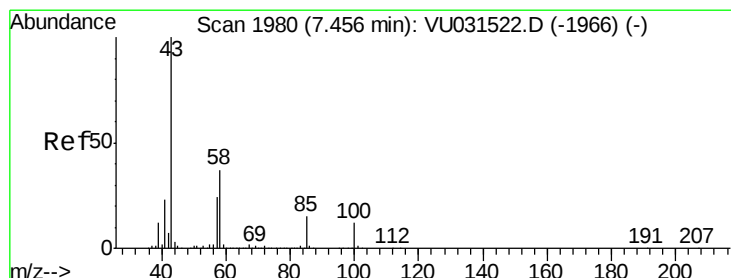
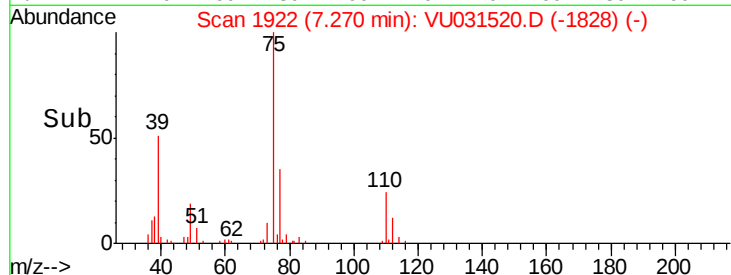
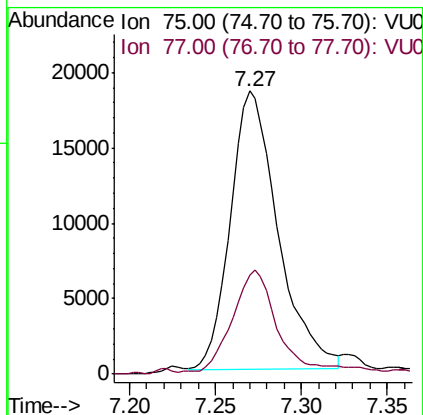
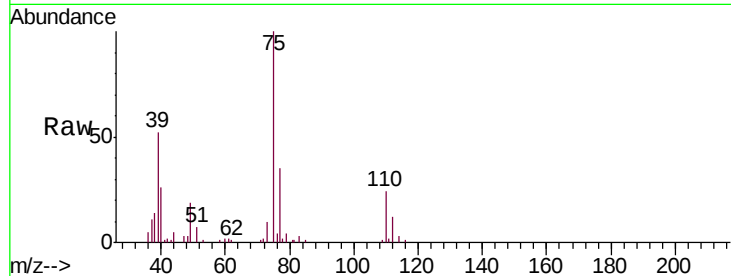


#39

cis-1,3-Dichloropropene
 Concen: 5.092 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

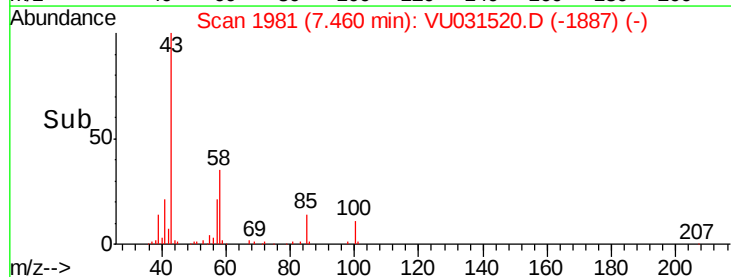
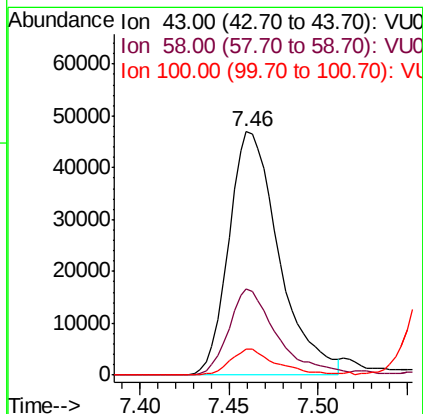
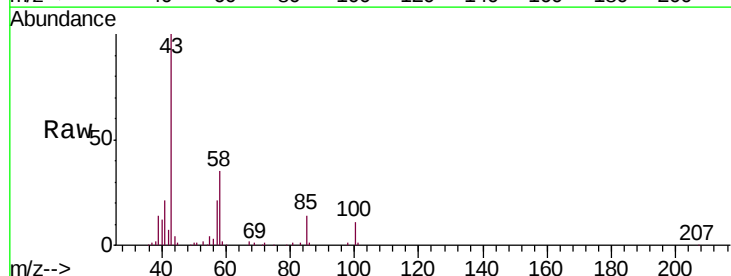
Tgt Ion: 75 Resp: 35765
 Ion Ratio Lower Upper
 75 100
 77 34.8 22.1 41.1

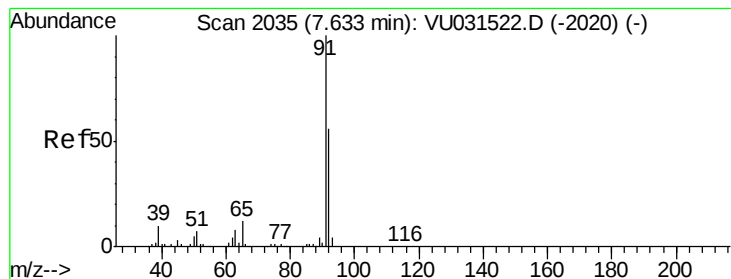


#40

4-Methyl-2-pentanone
 Concen: 12.362 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

Tgt Ion: 43 Resp: 91963
 Ion Ratio Lower Upper
 43 100
 58 33.8 30.1 45.1
 100 9.6 9.6 14.4





#42

Toluene

Concen: 5.522 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

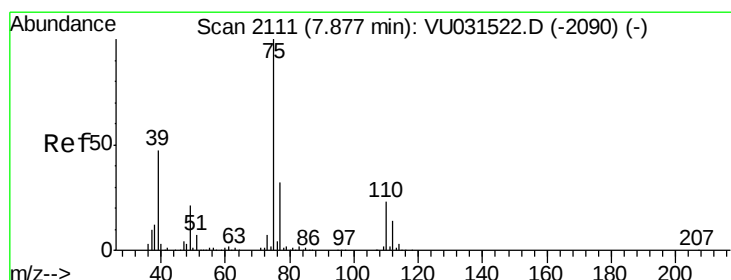
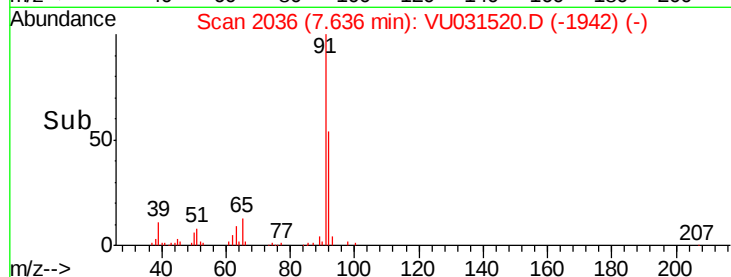
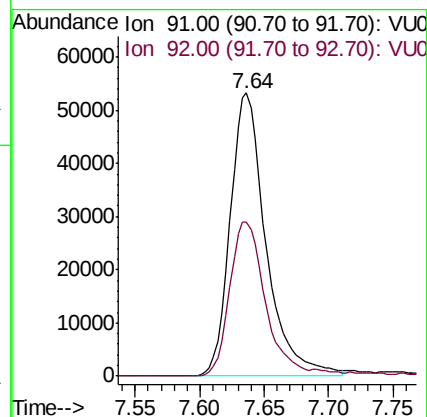
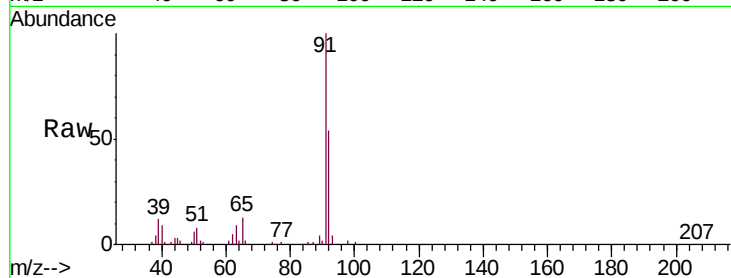
VSTD00549

Tgt Ion: 91 Resp: 102484

Ion Ratio Lower Upper

91 100

92 54.5 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 5.486 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU031520.D

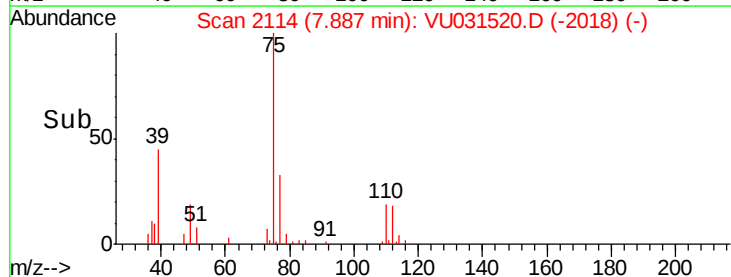
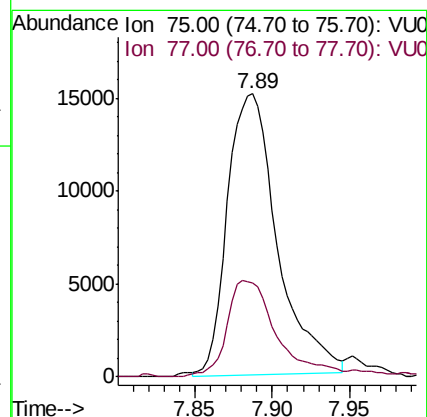
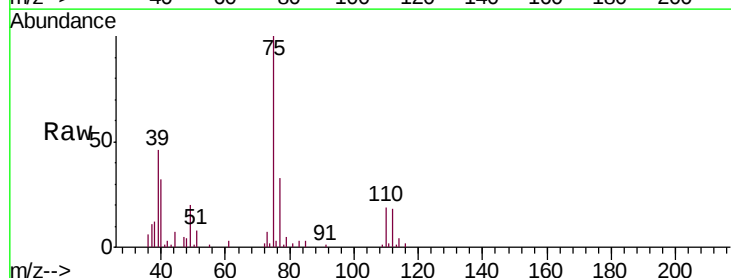
Acq: 26 Apr 2019 10:15

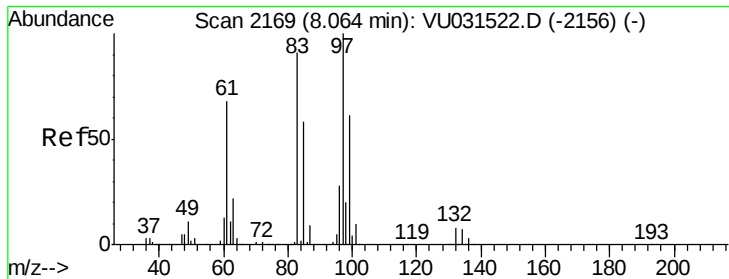
Tgt Ion: 75 Resp: 33909

Ion Ratio Lower Upper

75 100

77 33.4 22.1 41.1

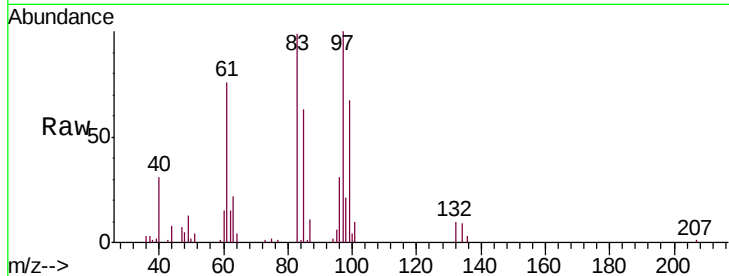




#45
 1,1,2-Trichloroethane
 Concen: 6.000 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

Tgt Ion:	97	Resp:	26294
Ion	Ratio	Lower	Upper
97	100		
99	67.1	43.0	80.0
83	99.2	63.6	118.2
85	62.5	40.5	75.3



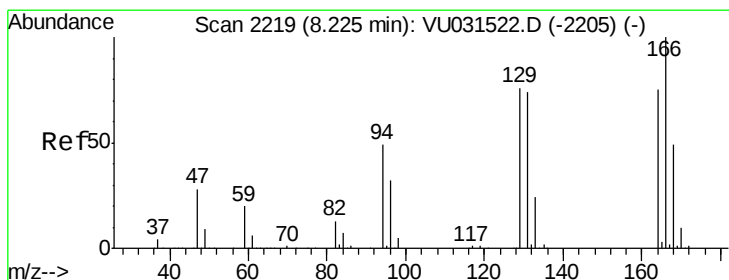
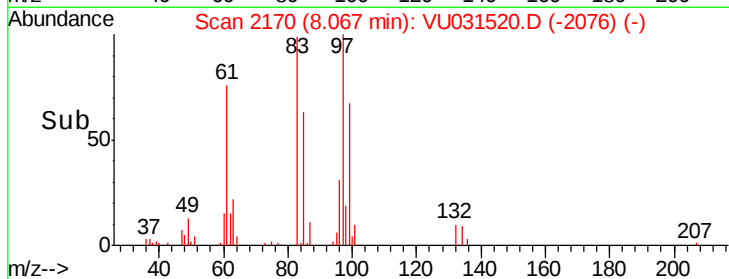
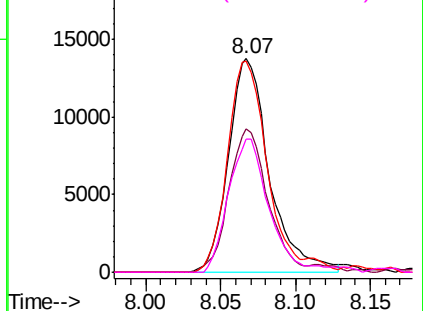
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

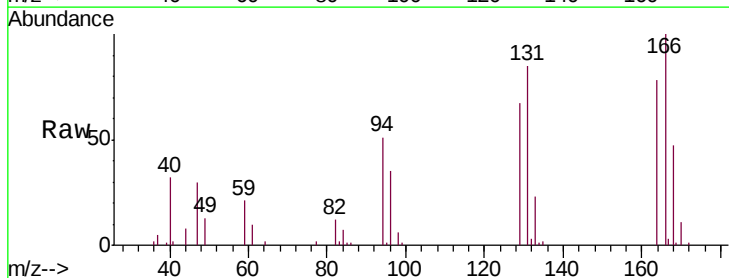
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 5.803 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

Tgt Ion:	164	Resp:	18949
Ion	Ratio	Lower	Upper
164	100		
129	85.4	71.5	132.9
131	108.8	69.0	128.2
166	127.5	93.7	173.9



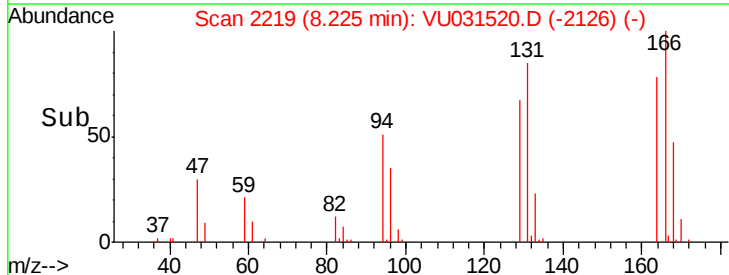
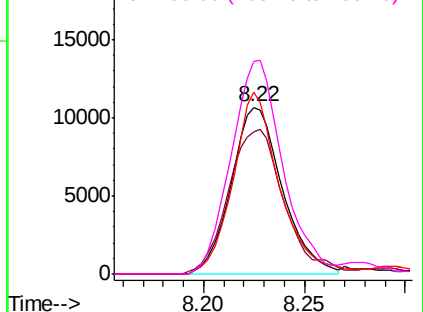
Abundance

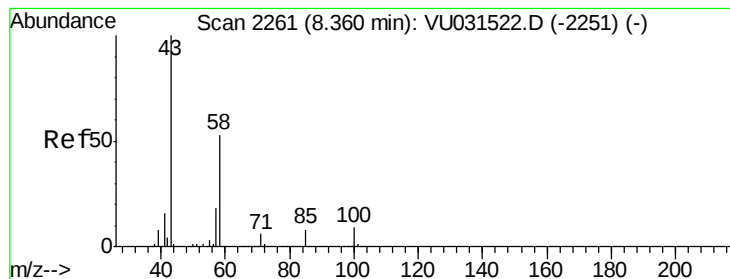
Ion 164.00 (163.70 to 164.70): V

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: 12.364 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

Tgt Ion: 43 Resp: 72718

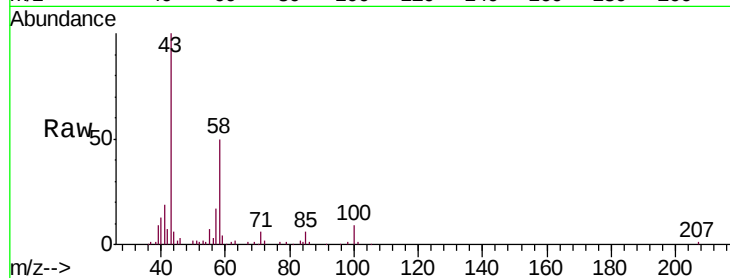
Ion Ratio Lower Upper

43 100

58 49.4 42.1 63.1

57 16.7 14.6 22.0

100 8.0 7.2 10.8



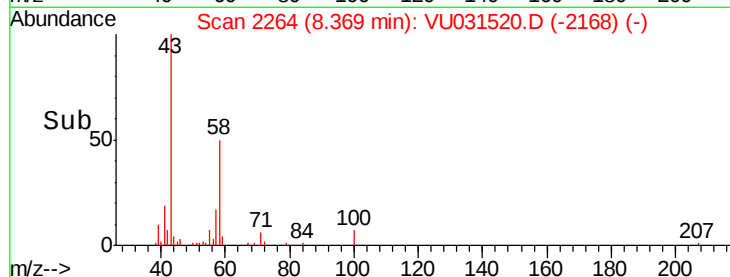
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

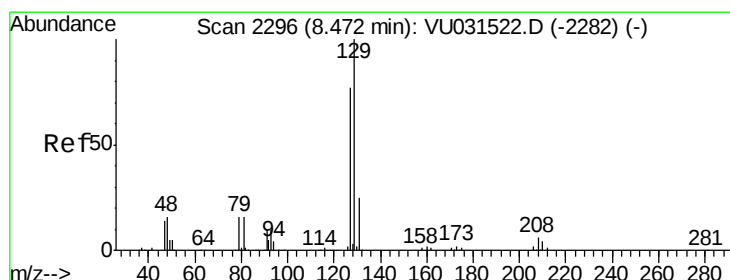
Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

Time-->



Time-->



#49

Dibromochloromethane

Concen: 5.737 ug/L

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU031520.D

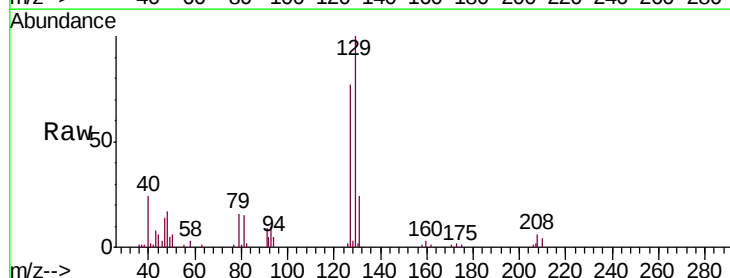
Acq: 26 Apr 2019 10:15

Tgt Ion: 129 Resp: 26498

Ion Ratio Lower Upper

129 100

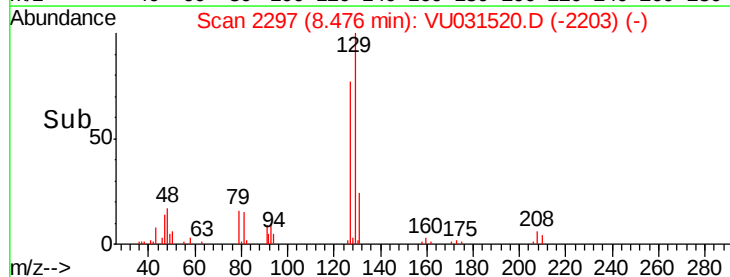
127 76.8 54.0 100.2



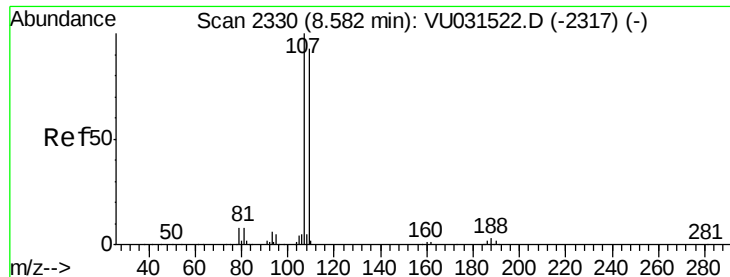
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->



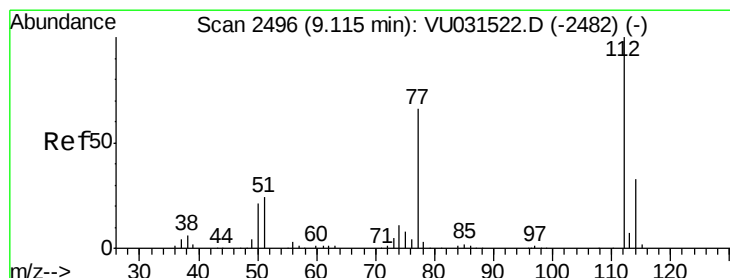
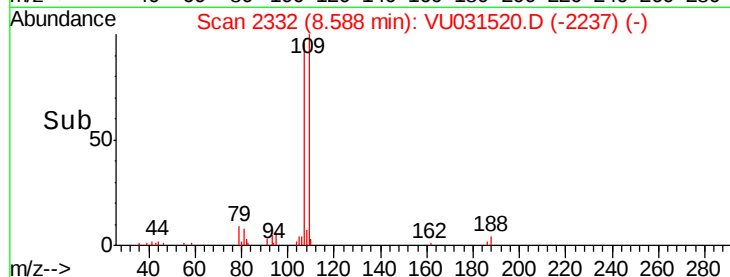
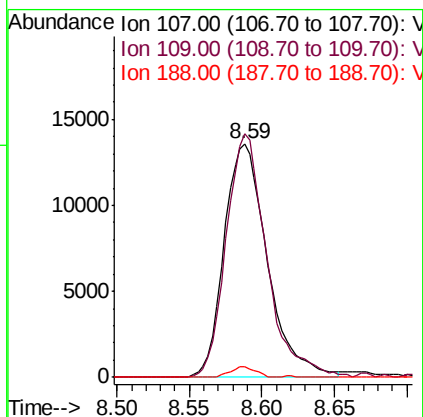
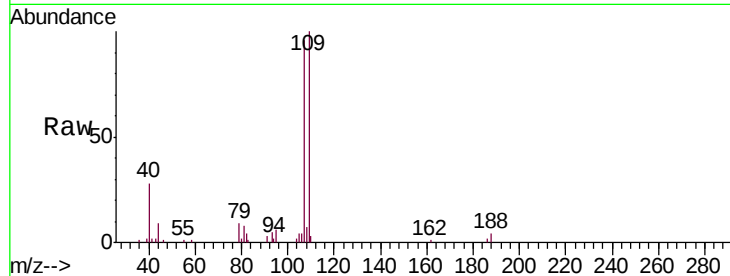
Time-->



#50
1,2-Dibromoethane
Concen: 6.166 ug/L
RT: 8.59 min Scan# 2332
Delta R.T. 0.01 min
Lab File: VU031520.D
Acq: 26 Apr 2019 10:15

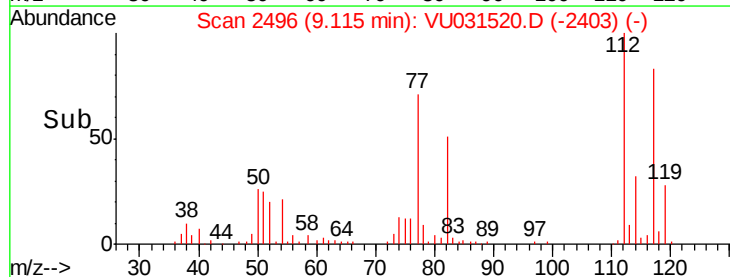
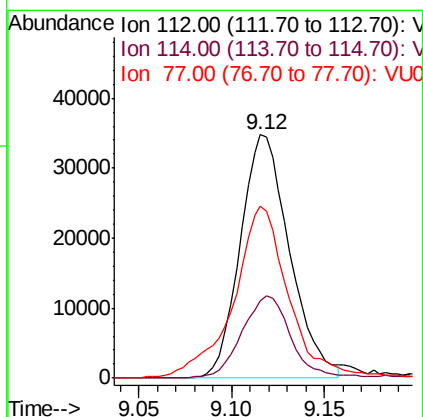
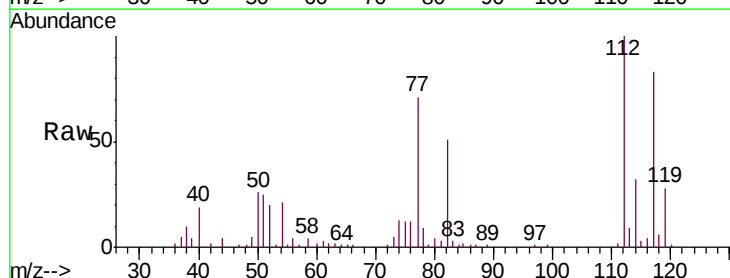
Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

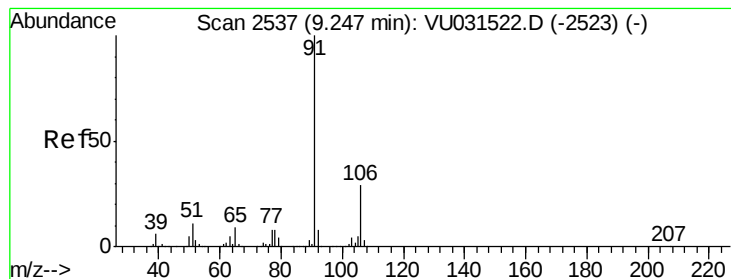
Tgt Ion:107 Resp: 28147
Ion Ratio Lower Upper
107 100
109 104.1 64.9 120.5
188 4.3 2.4 3.6#



#51
Chlorobenzene
Concen: 5.676 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031520.D
Acq: 26 Apr 2019 10:15

Tgt Ion:112 Resp: 64499
Ion Ratio Lower Upper
112 100
114 31.5 23.3 43.3
77 70.6 53.0 79.4





#52

Ethylbenzene

Concen: 5.330 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

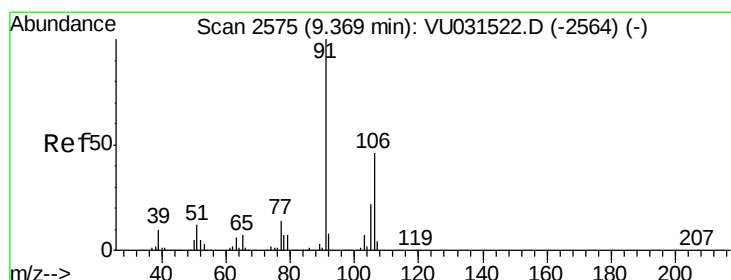
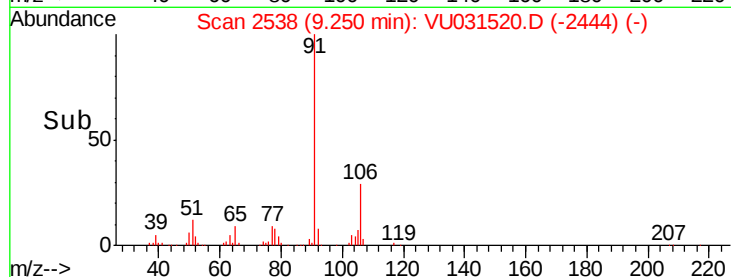
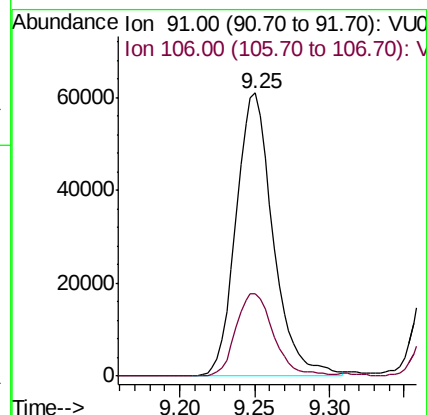
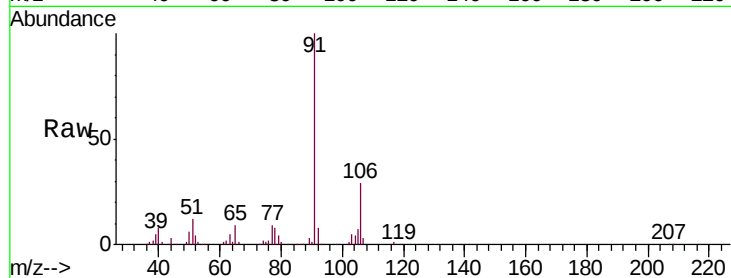
VSTD00549

Tgt Ion: 91 Resp: 105426

Ion Ratio Lower Upper

91 100

106 29.2 20.4 37.8



#53

m,p-Xylene

Concen: 5.028 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.01 min

Lab File: VU031520.D

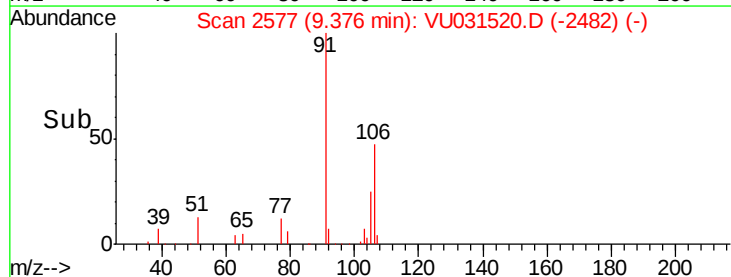
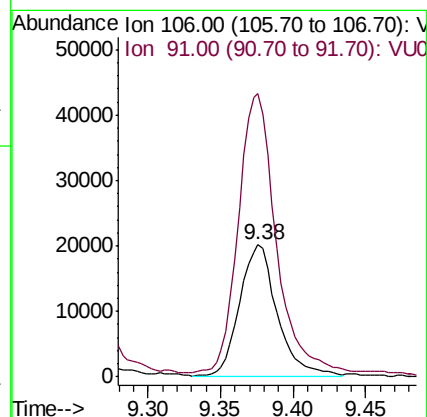
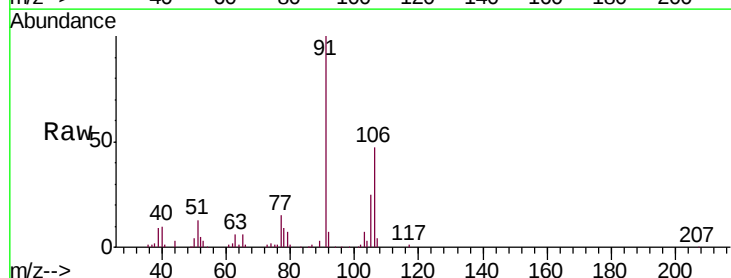
Acq: 26 Apr 2019 10:15

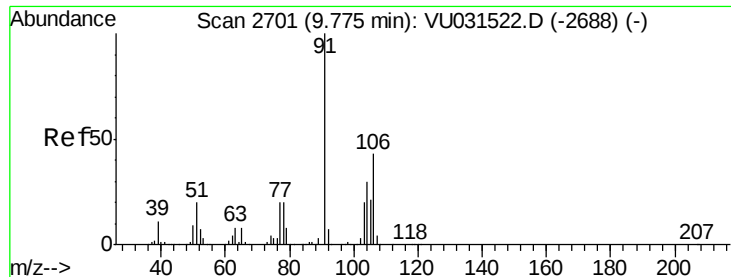
Tgt Ion: 106 Resp: 35682

Ion Ratio Lower Upper

106 100

91 214.2 152.2 282.6





#54

o-xylene

Concen: 4.969 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

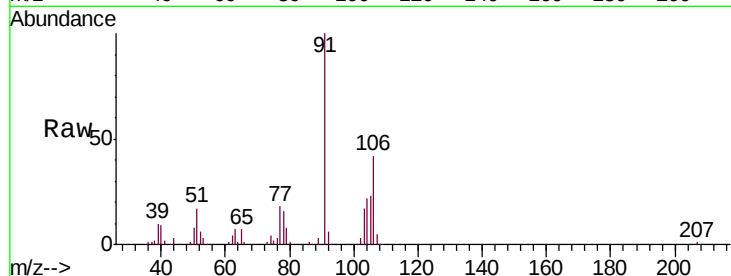
VSTD00549

Tgt Ion:106 Resp: 35584

Ion Ratio Lower Upper

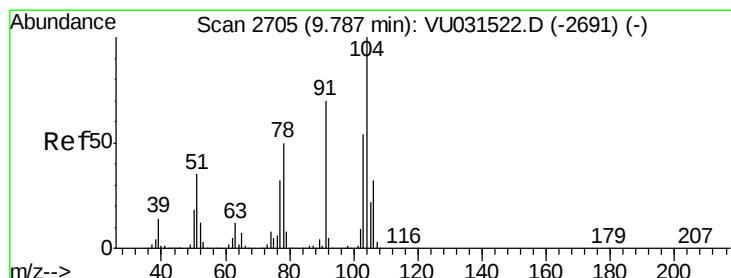
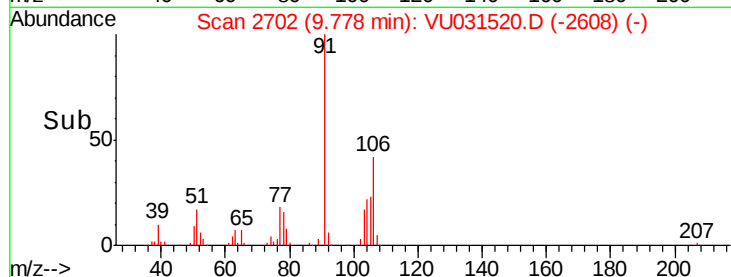
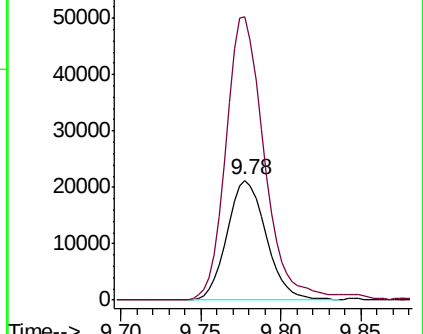
106 100

91 236.8 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 4.675 ug/L

RT: 9.79 min Scan# 2707

Delta R.T. 0.01 min

Lab File: VU031520.D

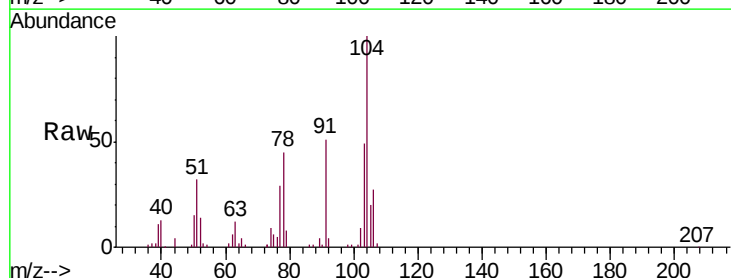
Acq: 26 Apr 2019 10:15

Tgt Ion:104 Resp: 56364

Ion Ratio Lower Upper

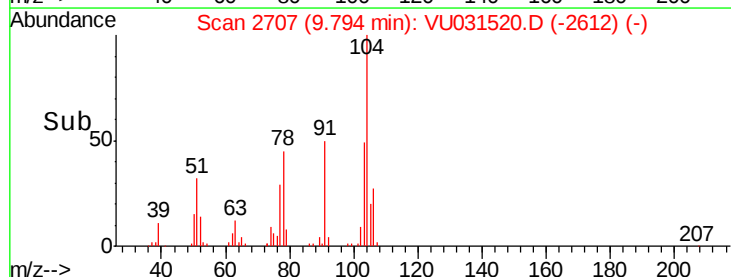
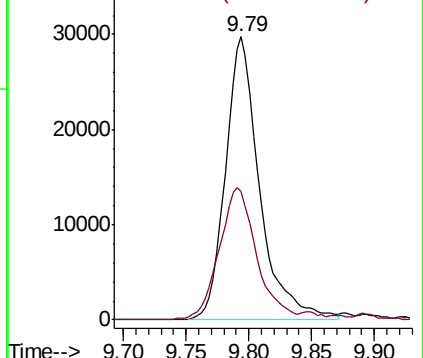
104 100

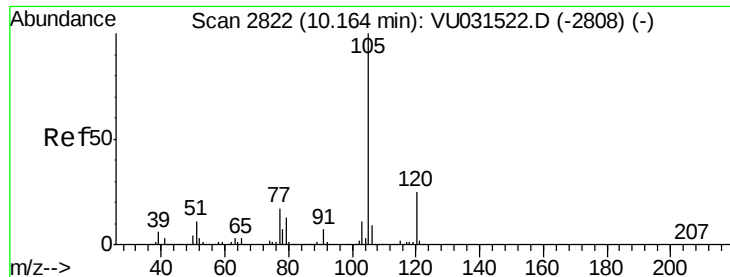
78 45.3 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 4.989 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

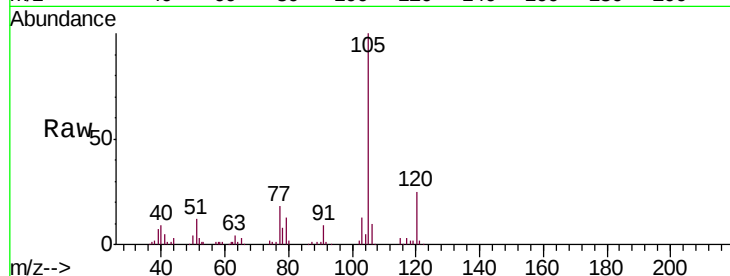
Tgt Ion:105 Resp: 92014

Ion Ratio Lower Upper

105 100

120 24.6 20.1 30.1

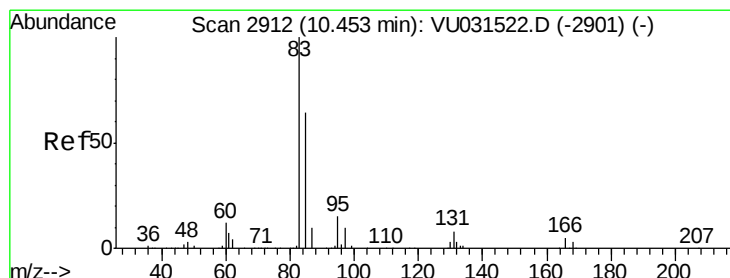
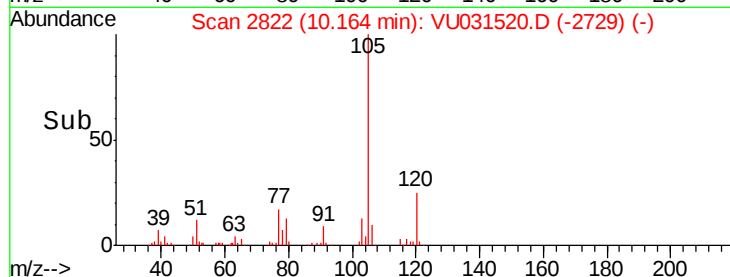
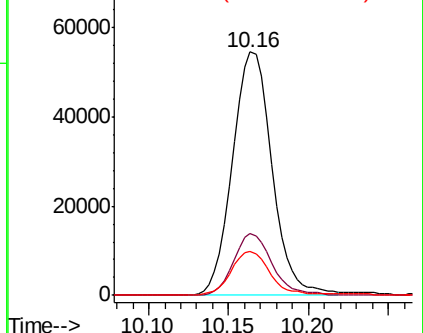
77 17.6 13.8 20.6



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: 6.182 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

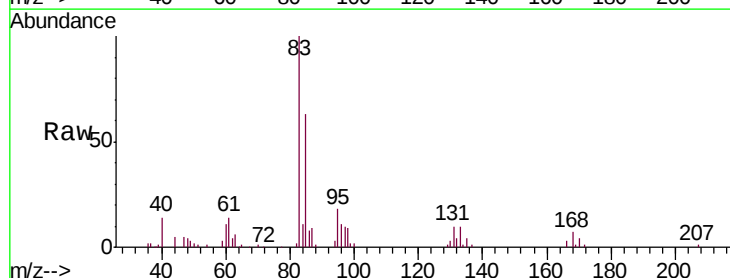
Tgt Ion: 83 Resp: 46807

Ion Ratio Lower Upper

83 100

85 63.0 46.0 85.4

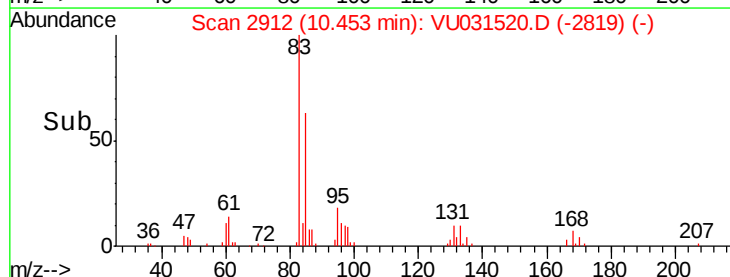
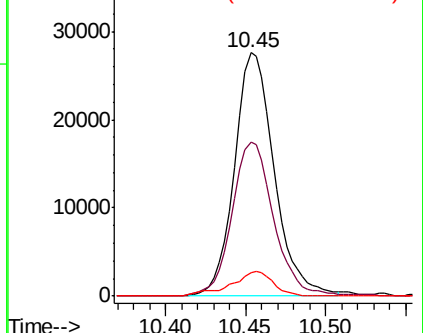
131 9.7 7.3 10.9

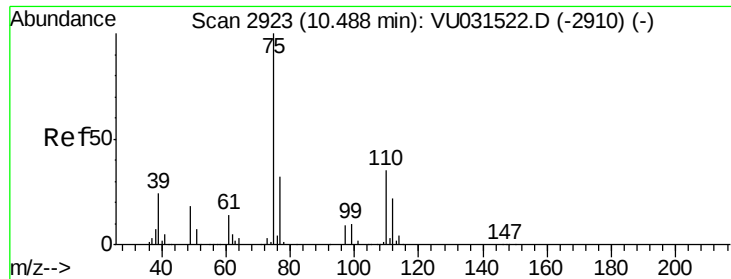


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

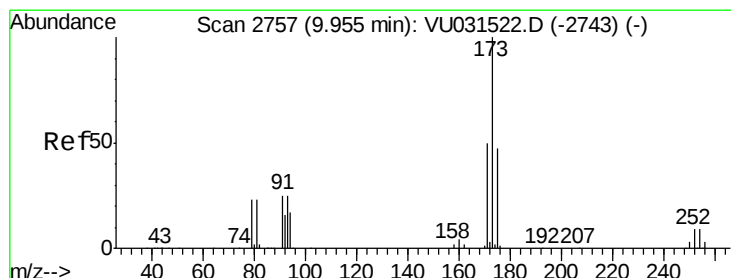
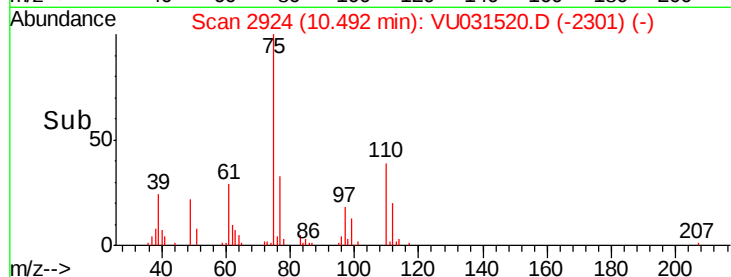
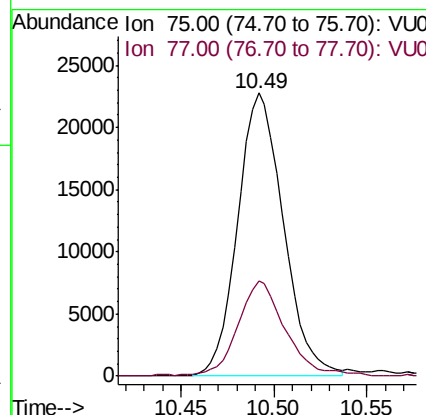
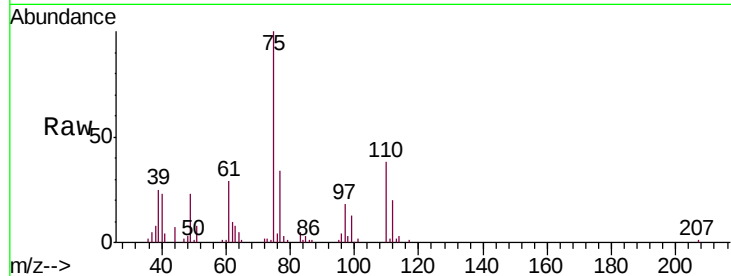




#59
 1,2,3-Trichloropropane
 Concen: 6.574 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

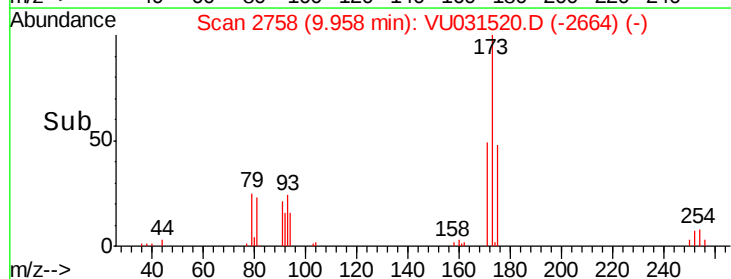
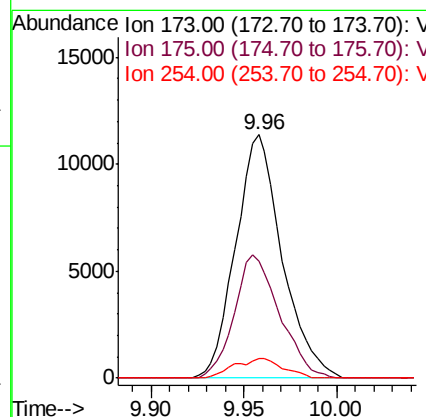
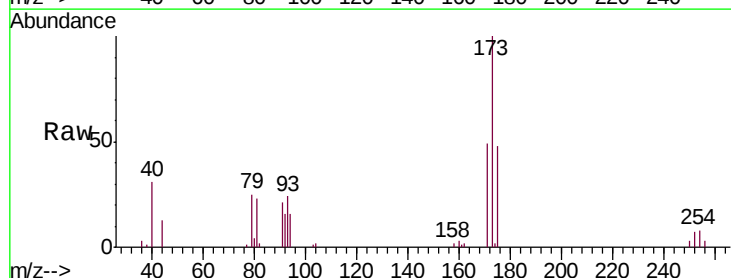
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

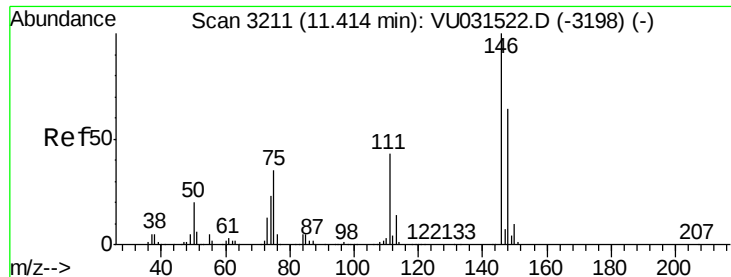
Tgt Ion: 75 Resp: 38979
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.9 38.9



#61
 Bromoform
 Concen: 6.421 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

Tgt Ion: 173 Resp: 19801
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.3 57.5
 254 5.3 6.6 9.8#





#62

1,3-Dichlorobenzene

Concen: 5.695 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

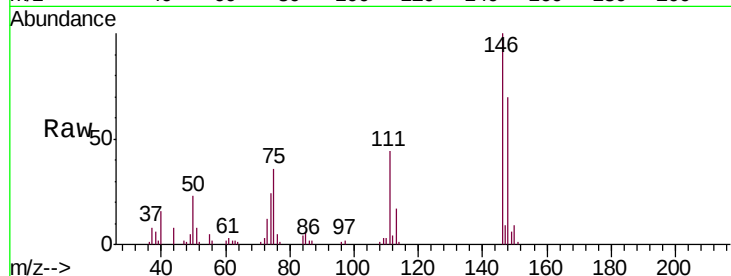
Tgt Ion:146 Resp: 41339

Ion Ratio Lower Upper

146 100

111 44.4 29.8 55.4

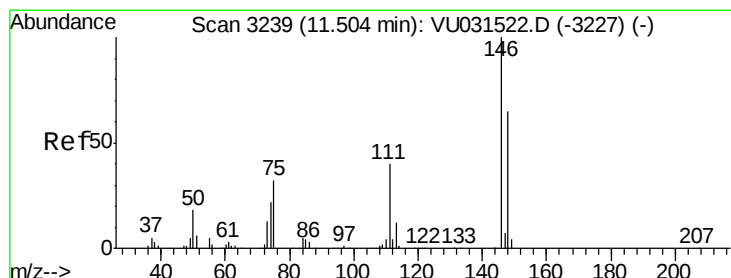
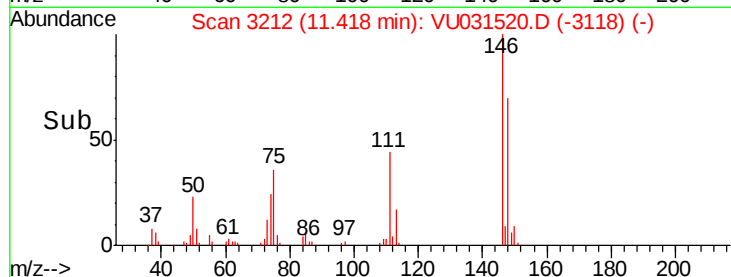
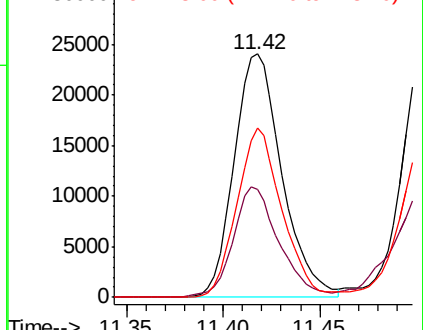
148 69.6 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 6.172 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

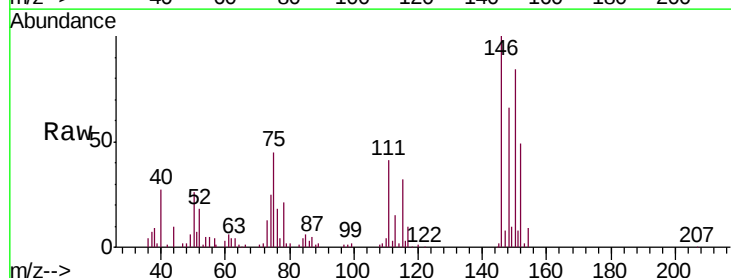
Tgt Ion:146 Resp: 44915

Ion Ratio Lower Upper

146 100

111 41.2 28.2 52.4

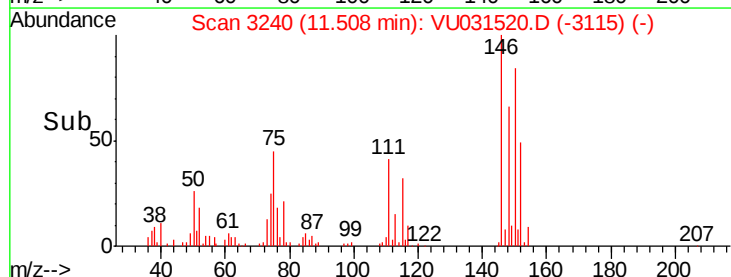
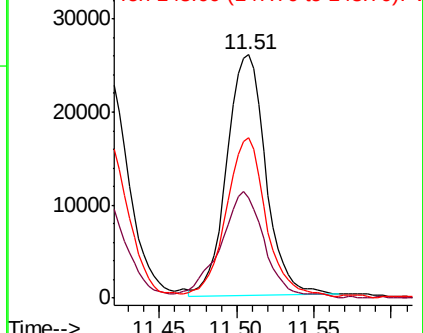
148 65.7 45.4 84.4

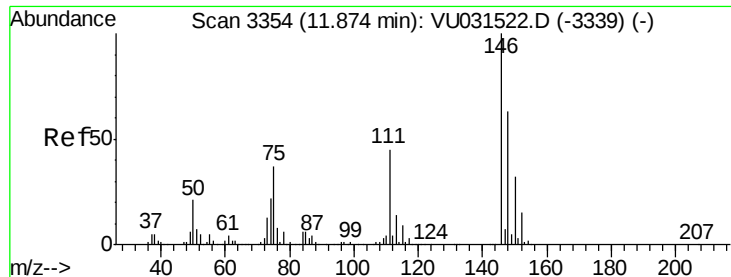


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 6.209 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

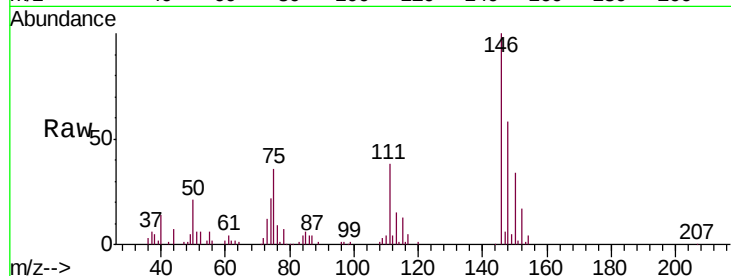
Tgt Ion:146 Resp: 46424

Ion Ratio Lower Upper

146 100

111 38.3 35.9 53.9

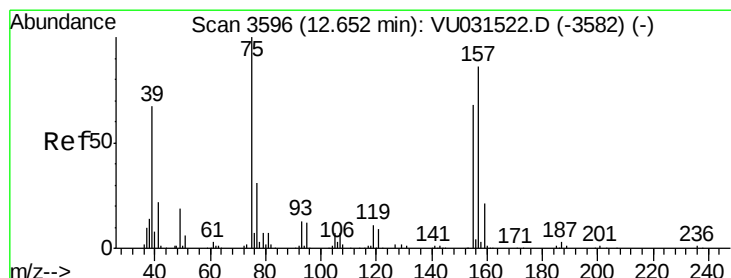
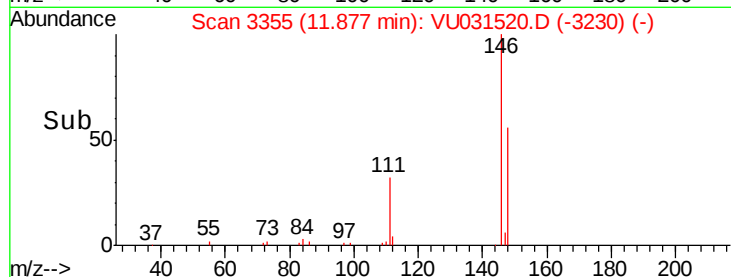
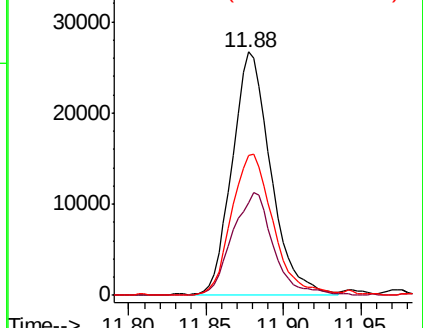
148 57.5 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 7.261 ug/L

RT: 12.66 min Scan# 3598

Delta R.T. 0.01 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

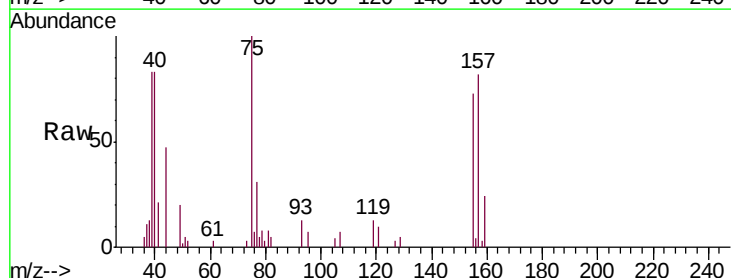
Tgt Ion: 75 Resp: 10573

Ion Ratio Lower Upper

75 100

155 73.4 54.0 81.0

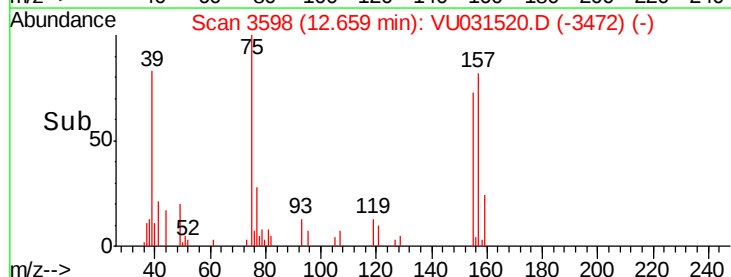
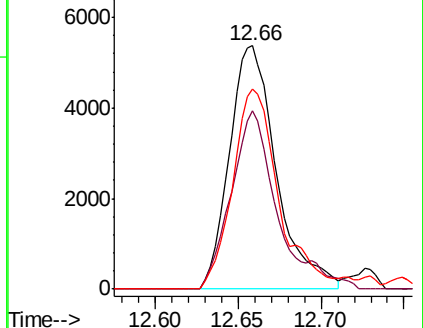
157 82.1 69.1 103.7

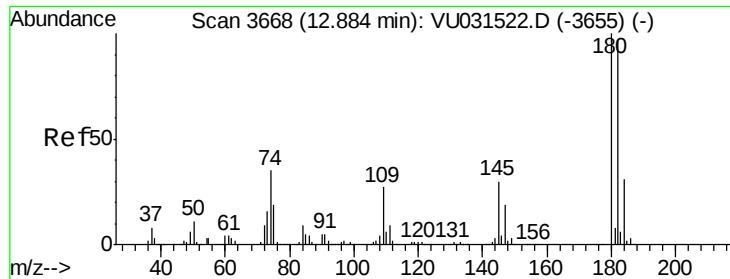


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

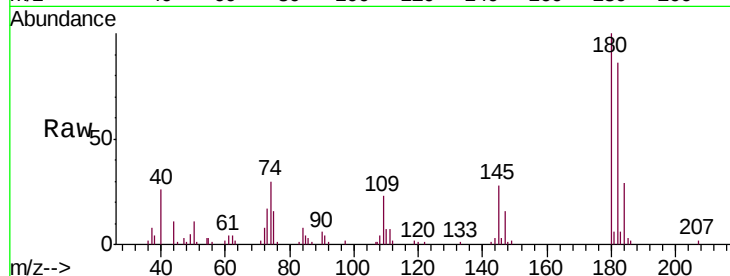




#67
 1,3,5-Trichlorobenzene
 Concen: 6.068 ug/L
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	77.3	115.9
184	29.1	24.4	36.6
145	29.2	23.8	35.8



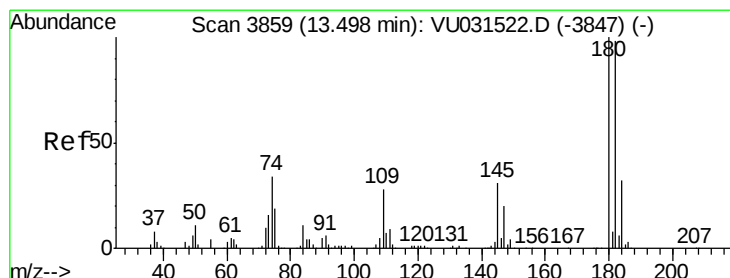
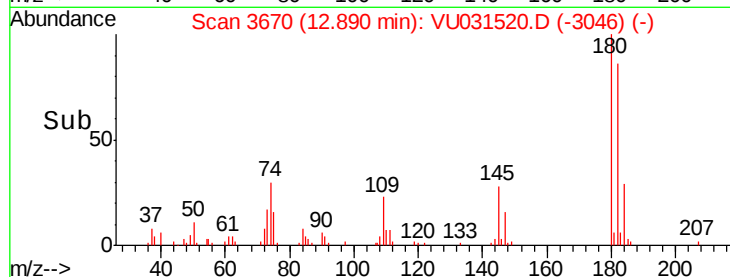
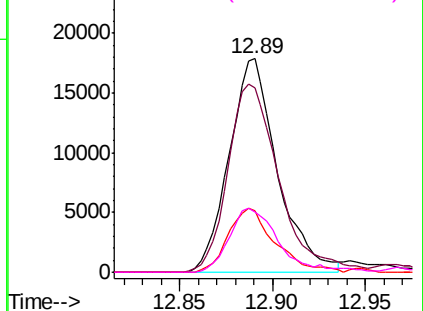
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

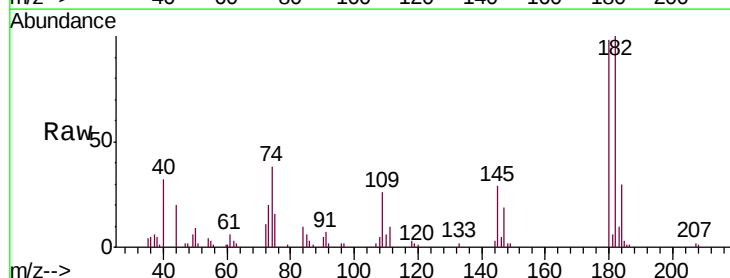
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.971 ug/L
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU031520.D
 Acq: 26 Apr 2019 10:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.8	113.8
145	33.5	24.5	36.7

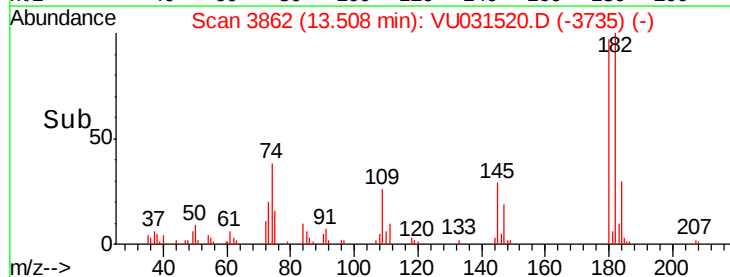
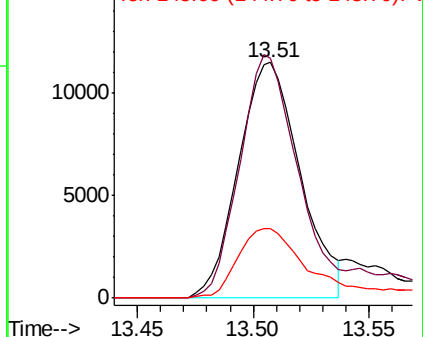


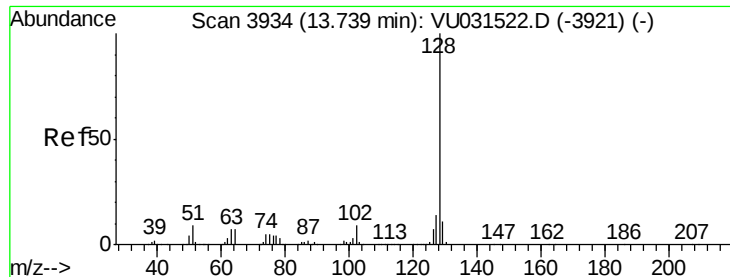
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 4.786 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

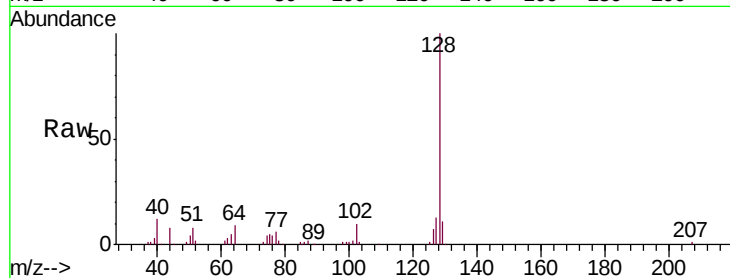
Tgt Ion:128 Resp: 70966

Ion Ratio Lower Upper

128 100

127 12.4 10.6 15.8

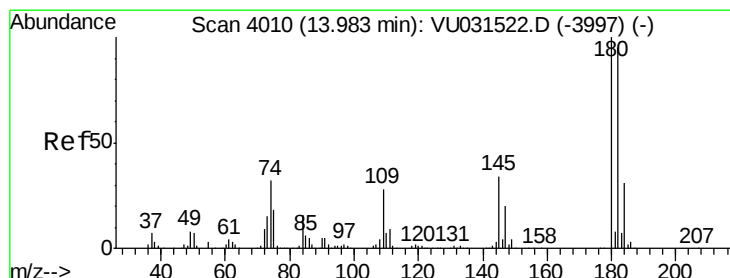
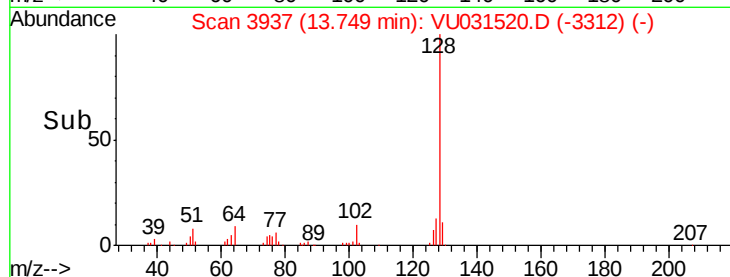
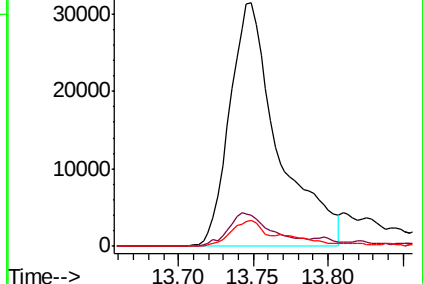
129 7.0 8.7 13.1#



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: 6.096 ug/L

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU031520.D

Acq: 26 Apr 2019 10:15

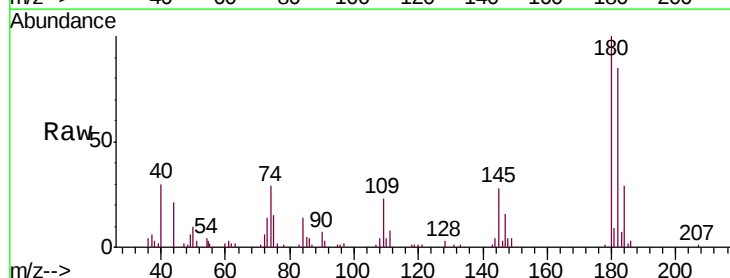
Tgt Ion:180 Resp: 28313

Ion Ratio Lower Upper

180 100

182 88.0 76.1 114.1

145 31.3 26.0 39.0



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

