

Data File : VU029591.D
Acq On : 21 Feb 2019 12:16
Operator : JC/SP
Sample : VSTD02050
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02050

Quant Time: Feb 22 02:42:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 02:38:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	246077	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	252396	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	144536	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	347781	21.64	ug/L	0.00
7) Chloroethane-d5	1.67	69	325085	21.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	734320	21.27	ug/L	0.00
20) 2-Butanone-d5	4.19	46	829607	228.32	ug/L	0.00
24) Chloroform-d	4.64	84	646180	22.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	328522	21.48	ug/L	0.00
32) Benzene-d6	5.33	84	1378103	21.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	408006	21.64	ug/L	0.00
41) Toluene-d8	7.56	98	1382271	21.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	179344	23.17	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	899319	237.07	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	379746	22.43	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	608024	21.39	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	396656	20.648 ug/L	99
3) Chloromethane	1.32	50	327849	19.749 ug/L	99
5) Vinyl chloride	1.40	62	438500	20.894 ug/L	97
6) Bromomethane	1.61	94	257560	22.168 ug/L	99
8) Chloroethane	1.69	64	269239	19.802 ug/L	97
9) Trichlorofluoromethane	1.88	101	621810	19.981 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	387573	20.183 ug/L	99
12) 1,1-Dichloroethene	2.28	96	371636	20.358 ug/L	97
13) Acetone	2.32	43	515097	197.328 ug/L	100
14) Carbon disulfide	2.47	76	1223797	20.411 ug/L	100
15) Methyl Acetate	2.61	43	147042	19.308 ug/L	99
16) Methylene chloride	2.70	84	391205	18.121 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	885488	20.287 ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	398983	20.084 ug/L	98
19) 1,1-Dichloroethane	3.44	63	592140	19.144 ug/L	99
21) 2-Butanone	4.27	43	779808	215.301 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	381071	20.945 ug/L	97
23) Bromochloromethane	4.54	128	171587	20.901 ug/L	98
25) Chloroform	4.67	83	607094	19.606 ug/L	99
27) 1,2-Dichloroethane	5.40	62	376550	20.591 ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	532378	20.291 ug/L	99
30) Cyclohexane	4.99	56	537629	20.706 ug/L	99
31) Carbon tetrachloride	5.13	117	483628	21.179 ug/L	99
33) Benzene	5.38	78	1350410	20.247 ug/L	100
34) Trichloroethene	6.18	95	375976	20.191 ug/L	99
35) Methylcyclohexane	6.41	83	638538	21.144 ug/L	97
37) 1,2-Dichloropropane	6.43	63	343332	20.433 ug/L	100
38) Bromodichloromethane	6.75	83	436292	20.800 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	541729	22.027 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	2022170	214.125 ug/L	100

Data File : VU029591.D
Acq On : 21 Feb 2019 12:16
Operator : JC/SP
Sample : VSTD02050
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02050

Quant Time: Feb 22 02:42:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 02:38:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1598416	21.128	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	450658	22.827	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	264005	20.064	ug/L	99
47) Tetrachloroethene	8.22	164	350725	20.284	ug/L	99
48) 2-Hexanone	8.36	43	1511292	218.814	ug/L	99
49) Dibromochloromethane	8.48	129	348697	21.877	ug/L	96
50) 1,2-Dibromoethane	8.58	107	265228	20.591	ug/L	100
51) Chlorobenzene	9.12	112	1079097	20.762	ug/L	99
52) Ethylbenzene	9.25	91	1836431	21.702	ug/L	98
53) m,p-xylene	9.37	106	734458	21.649	ug/L	99
54) o-xylene	9.77	106	722421	22.116	ug/L	98
55) Styrene	9.79	104	1231185	22.561	ug/L	96
56) Isopropylbenzene	10.16	105	1931199	22.032	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	347195	21.406	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	235053	20.948	ug/L	100
61) Bromoform	9.95	173	215739	22.507	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	949400	20.688	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	953595	20.491	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	906309	20.458	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	51854	19.911	ug/L	88
67) 1,3,5-Trichlorobenzene	12.88	180	767239	20.761	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	681893	21.837	ug/L	99
69) Naphthalene	13.74	128	1157891	23.985	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	619341	21.179	ug/L	100

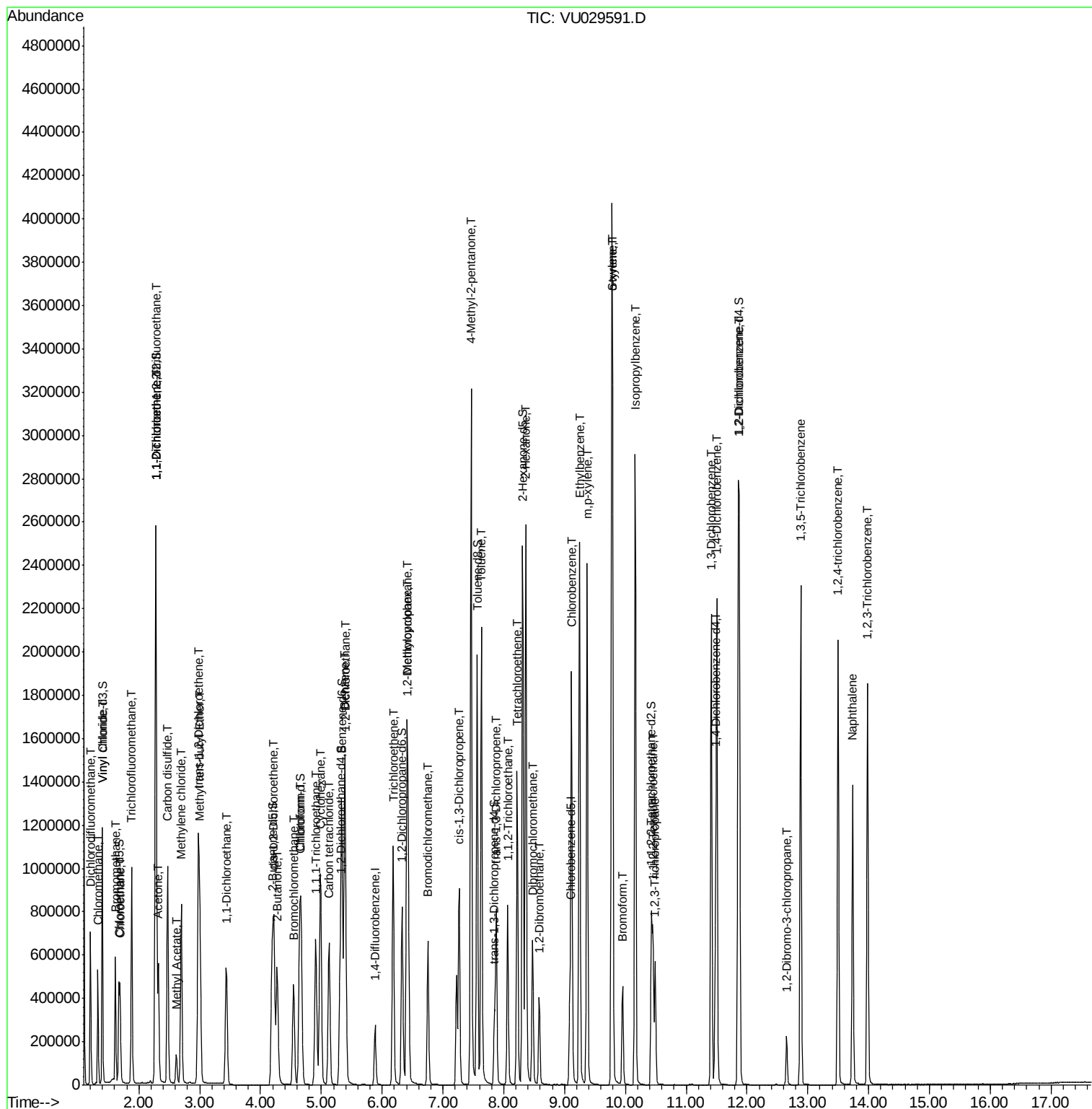
(#) = qualifier out of range (m) = manual integration (+) = signals summed

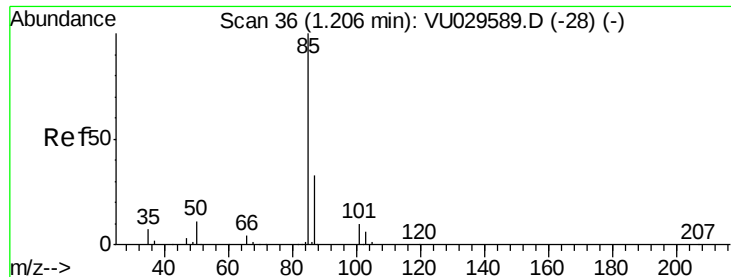
Data File : VU029591.D

```
Acq On       : 21 Feb 2019   12:16
Operator    : JC/SP
Sample      : VSTD02050
Misc       : 25.0mL/MSV0A_U/WATER
ALS Vial    : 6      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD02050

Quant Time: Feb 22 02:42:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 22 02:38:28 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 20.648 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

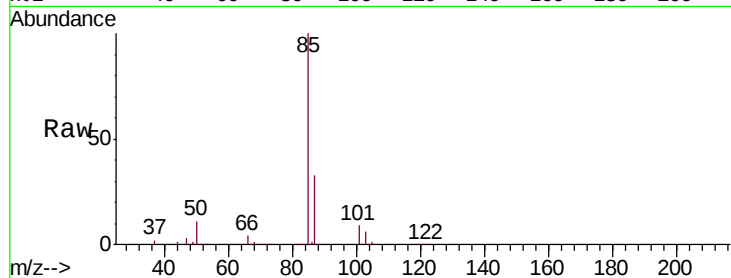
VSTD02050

Tgt Ion: 85 Resp: 396656

Ion Ratio Lower Upper

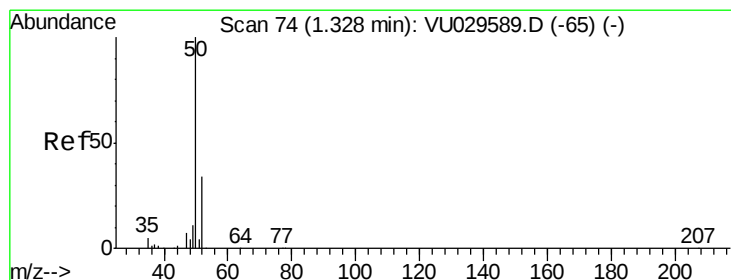
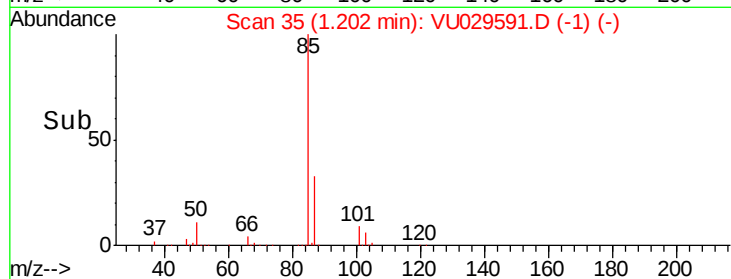
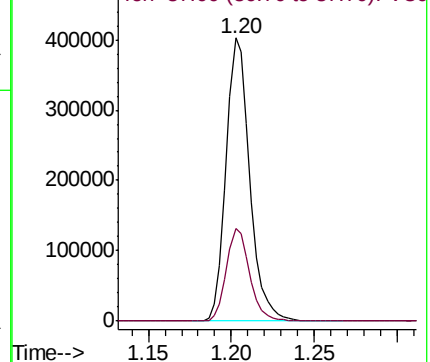
85 100

87 32.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 19.749 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029591.D

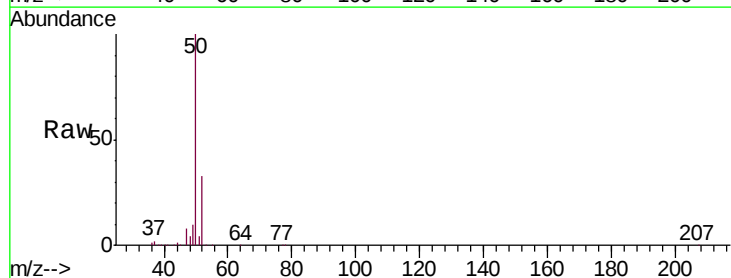
Acq: 21 Feb 2019 12:16

Tgt Ion: 50 Resp: 327849

Ion Ratio Lower Upper

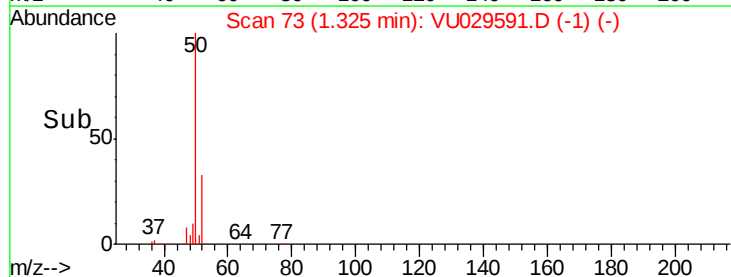
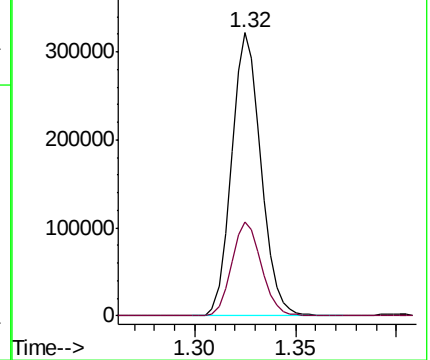
50 100

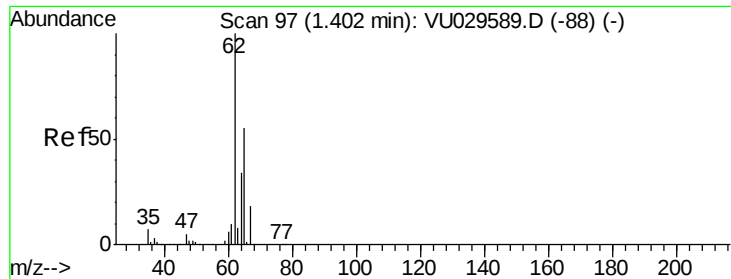
52 33.2 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 20.894 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

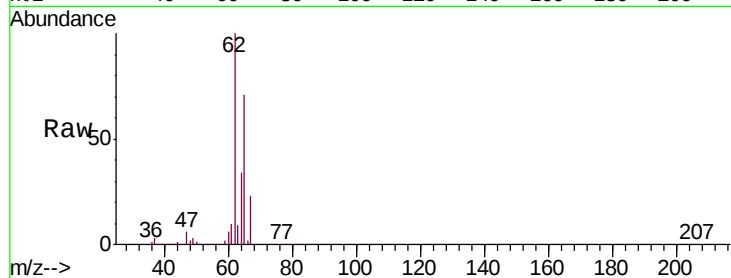
VSTD02050

Tgt Ion: 62 Resp: 438500

Ion Ratio Lower Upper

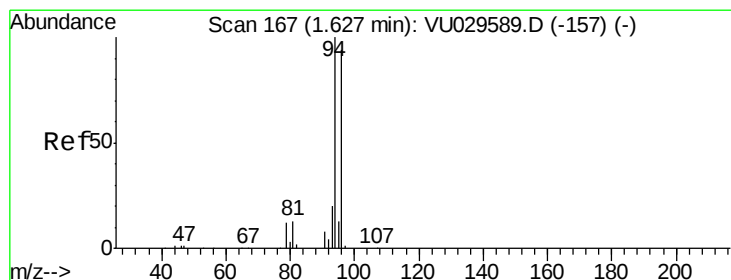
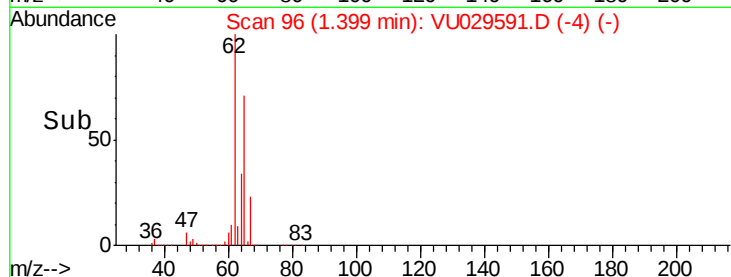
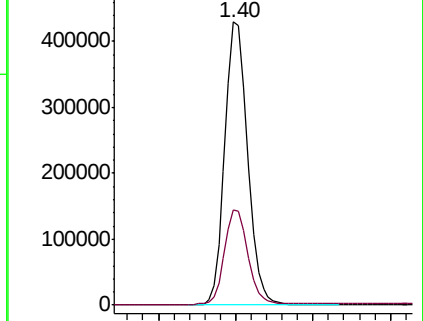
62 100

64 33.8 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 22.168 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU029591.D

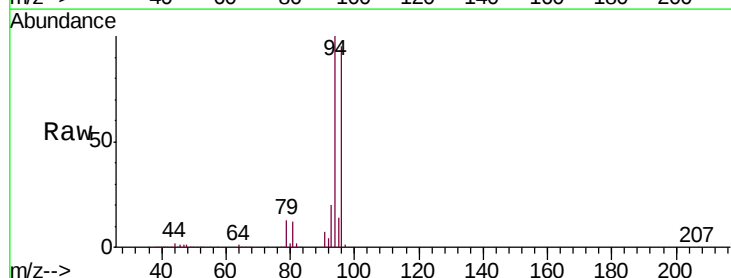
Acq: 21 Feb 2019 12:16

Tgt Ion: 94 Resp: 257560

Ion Ratio Lower Upper

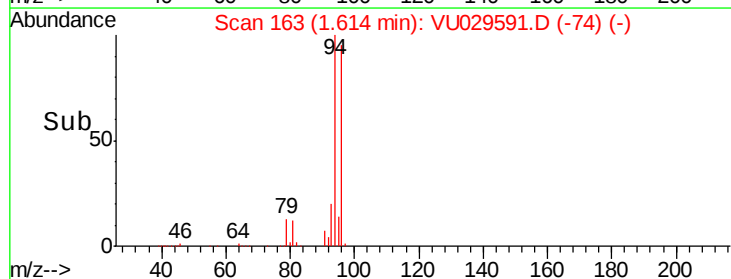
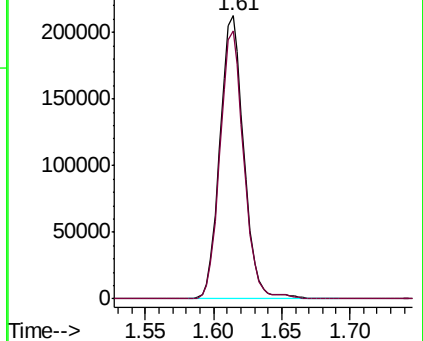
94 100

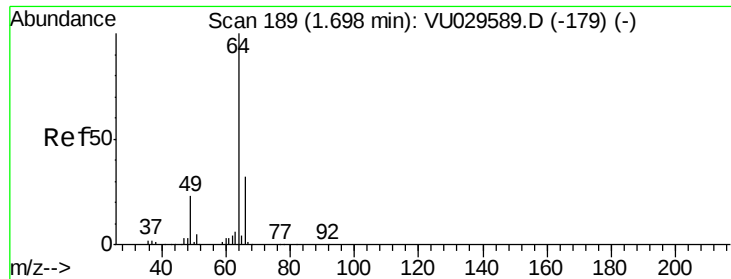
96 94.8 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 19.802 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.01 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

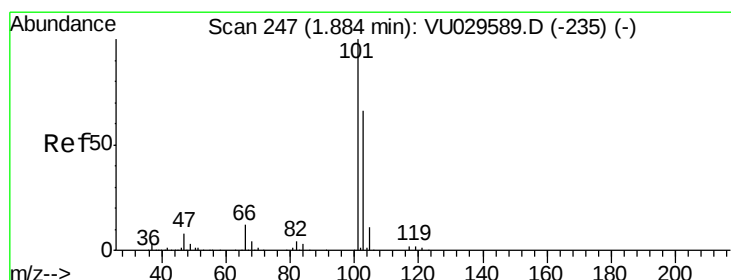
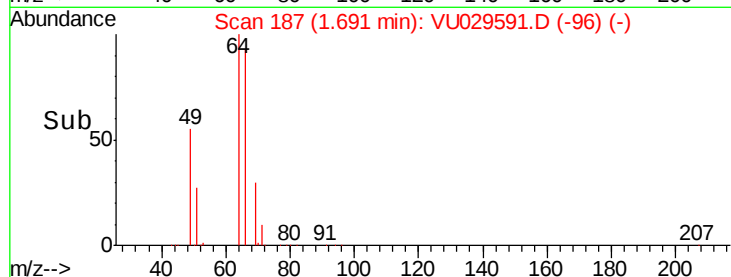
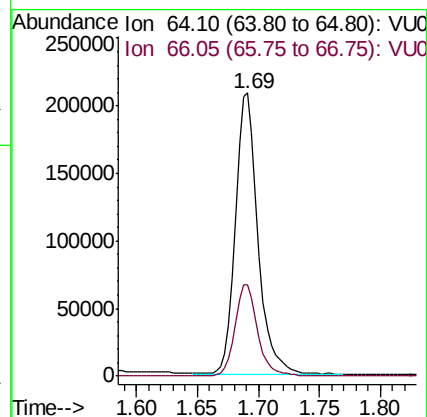
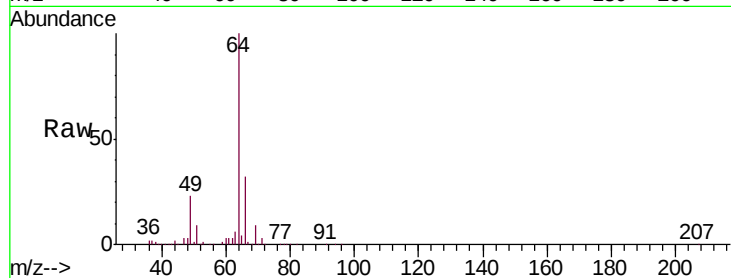
VSTD02050

Tgt Ion: 64 Resp: 269239

Ion Ratio Lower Upper

64 100

66 32.4 21.4 39.8



#9

Trichlorofluoromethane

Concen: 19.981 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU029591.D

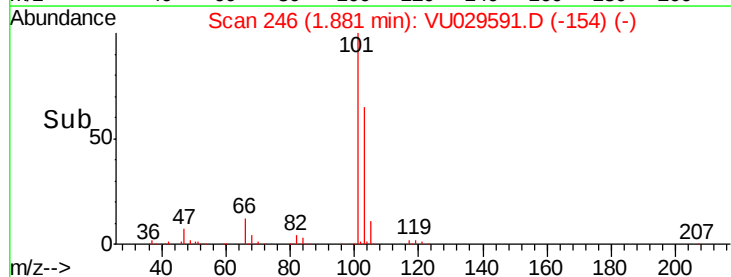
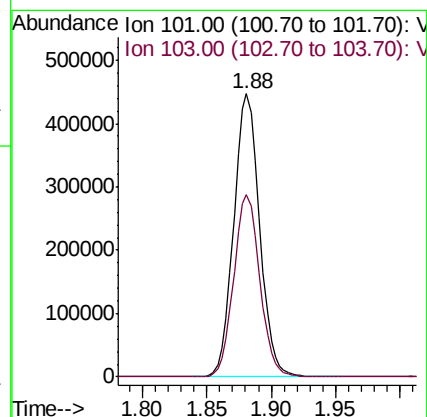
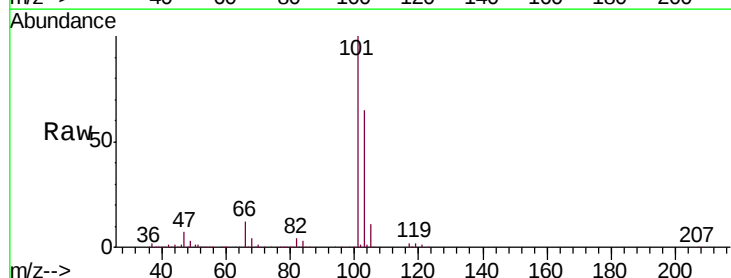
Acq: 21 Feb 2019 12:16

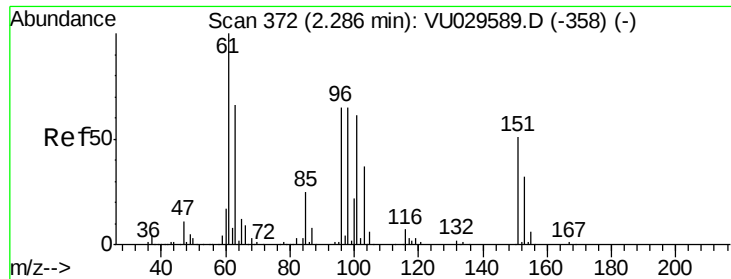
Tgt Ion: 101 Resp: 621810

Ion Ratio Lower Upper

101 100

103 65.1 52.5 78.7





#10

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

Concen: 20.183 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02050

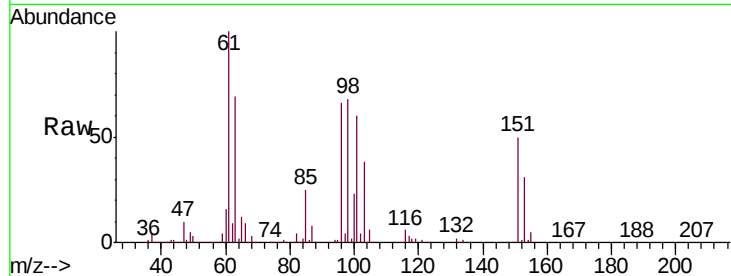
Tgt Ion: 101 Resp: 387573

Ion Ratio Lower Upper

101 100

85 41.8 32.8 49.2

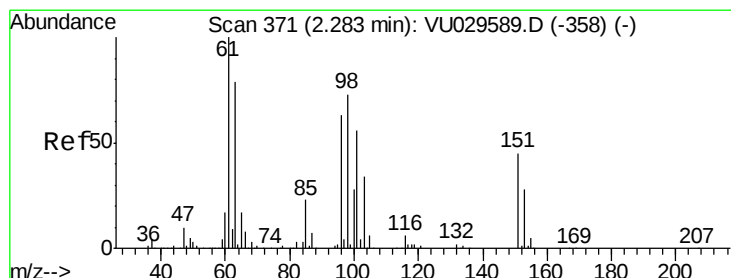
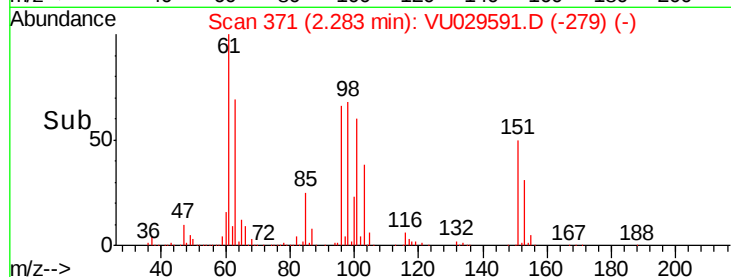
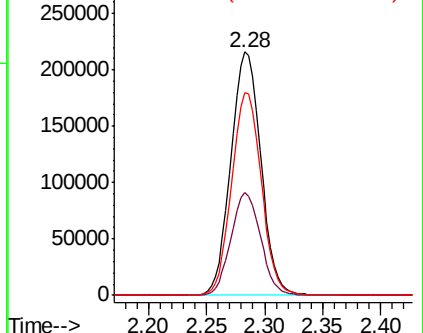
151 82.2 65.9 98.9



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: 20.358 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

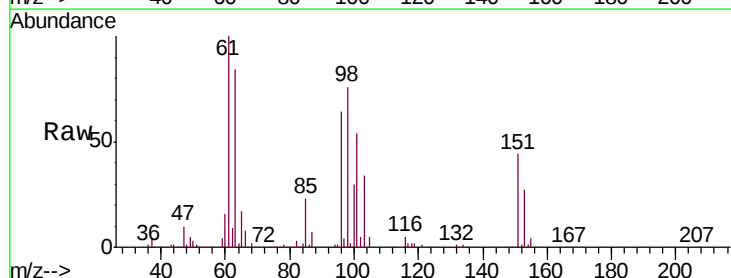
Tgt Ion: 96 Resp: 371636

Ion Ratio Lower Upper

96 100

61 155.2 111.3 206.7

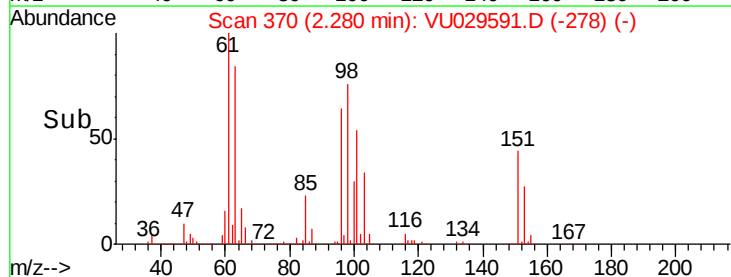
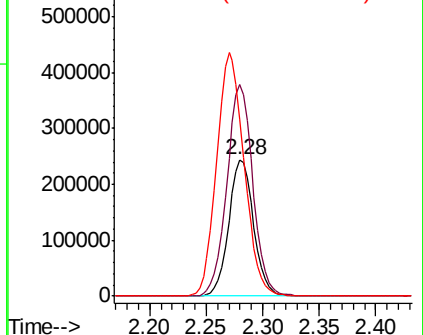
63 129.9 88.5 164.3

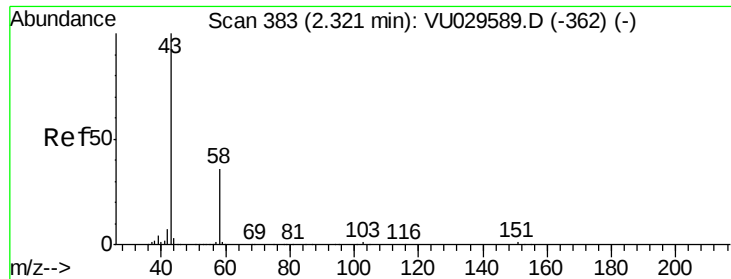


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 197.328 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

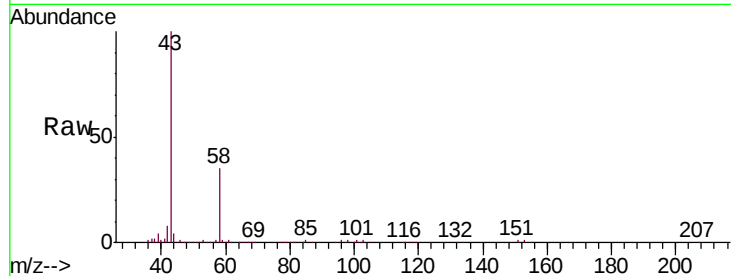
VSTD02050

Tgt Ion: 43 Resp: 515097

Ion Ratio Lower Upper

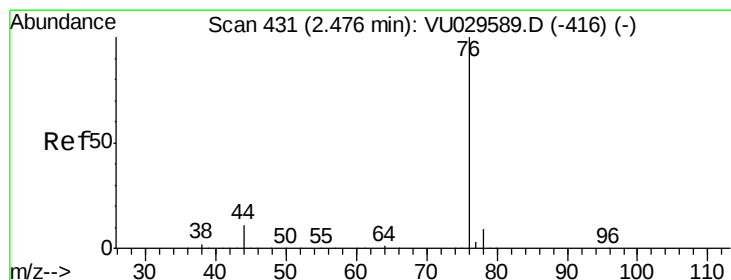
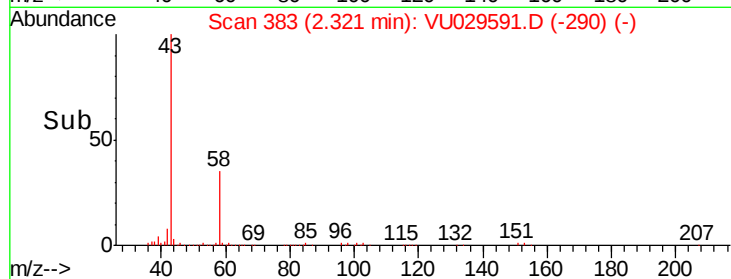
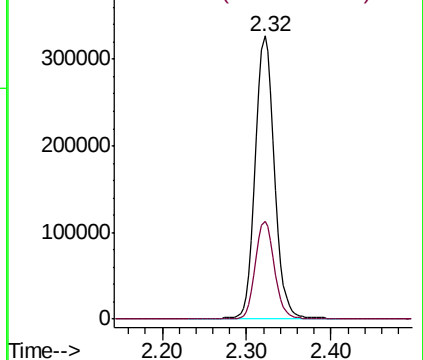
43 100

58 34.9 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 20.411 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029591.D

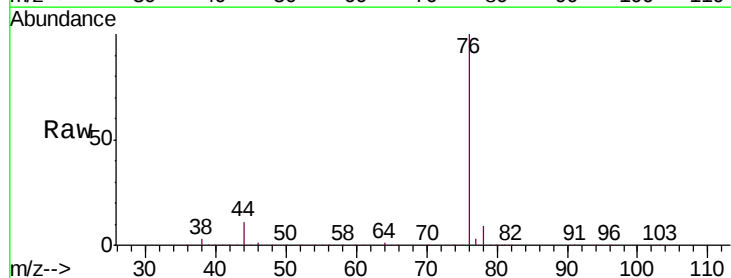
Acq: 21 Feb 2019 12:16

Tgt Ion: 76 Resp: 1223797

Ion Ratio Lower Upper

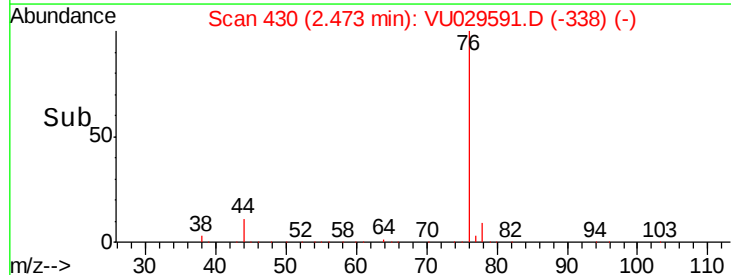
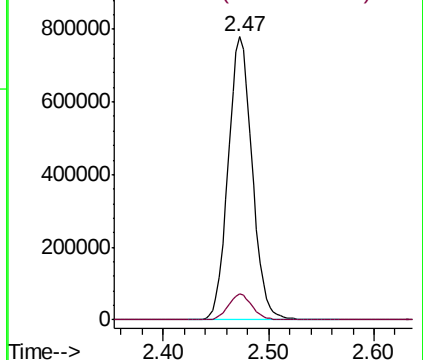
76 100

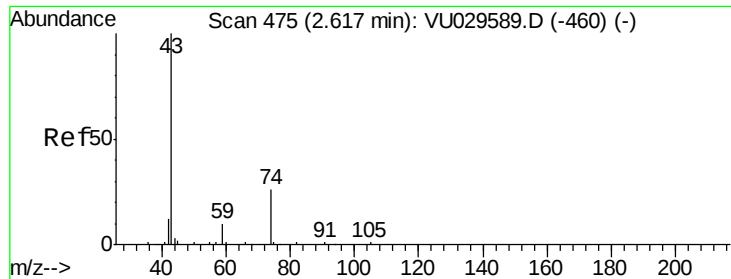
78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

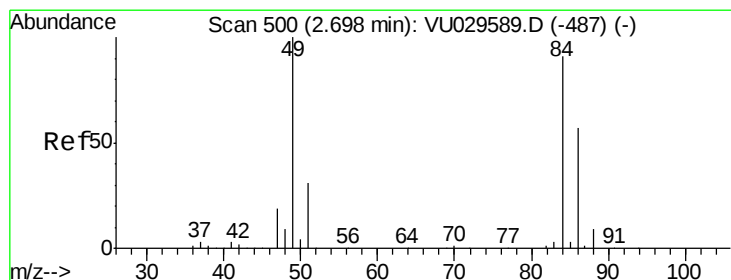
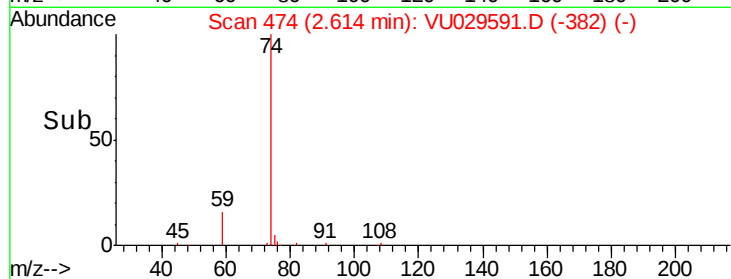
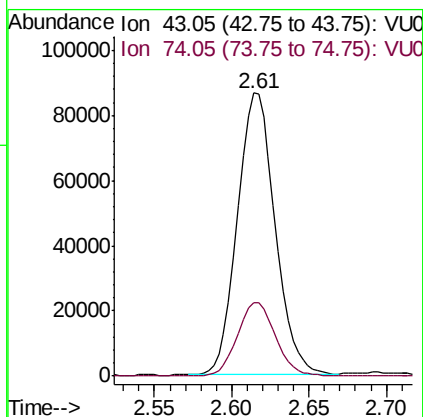
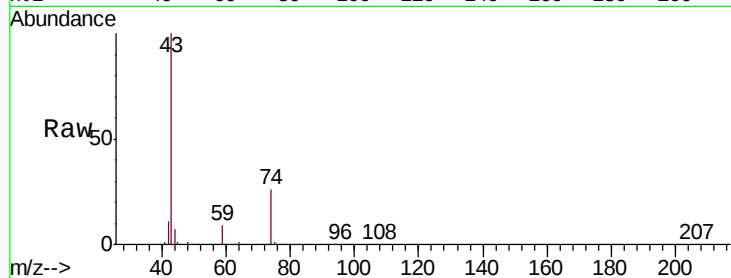




#15
Methyl Acetate
Concen: 19.308 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU029591.D
Acq: 21 Feb 2019 12:16

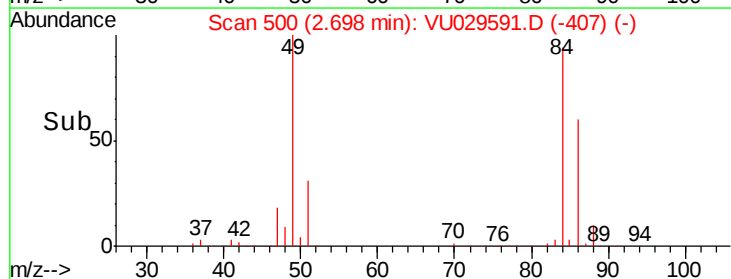
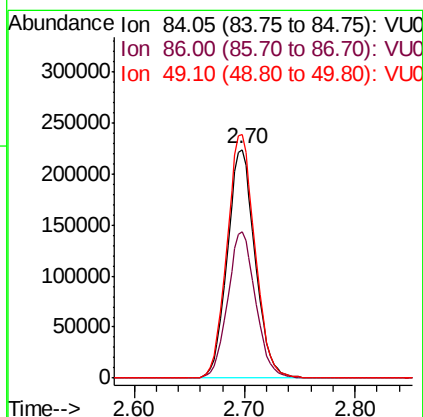
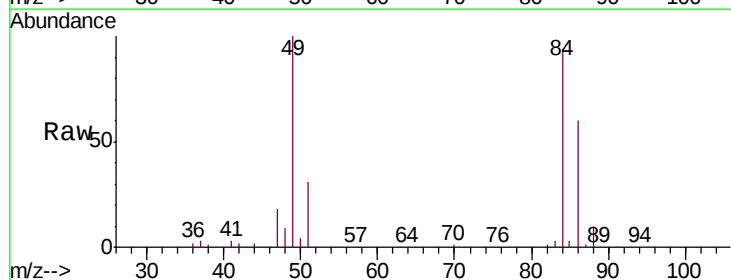
Instrument :
MSVOA_U
ClientSampleId :
VSTD02050

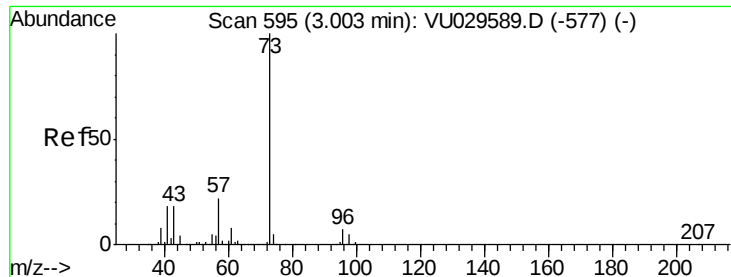
Tgt Ion: 43 Resp: 147042
Ion Ratio Lower Upper
43 100
74 26.4 21.6 32.4



#16
Methylene chloride
Concen: 18.121 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029591.D
Acq: 21 Feb 2019 12:16

Tgt Ion: 84 Resp: 391205
Ion Ratio Lower Upper
84 100
86 64.3 44.2 82.0
49 106.6 77.3 143.5





#17

Methyl tert-butyl Ether

Concen: 20.287 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02050

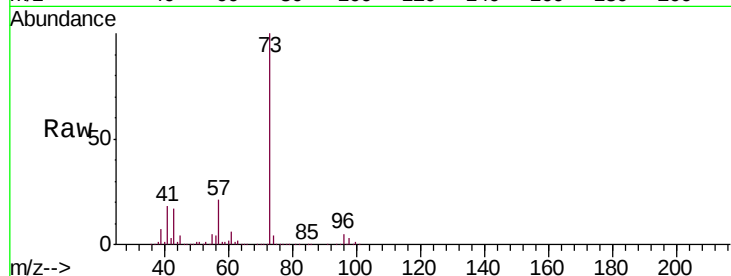
Tgt Ion: 73 Resp: 885488

Ion Ratio Lower Upper

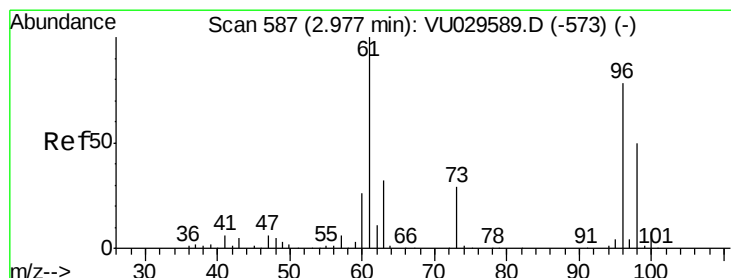
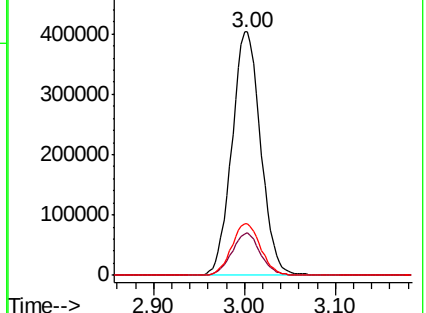
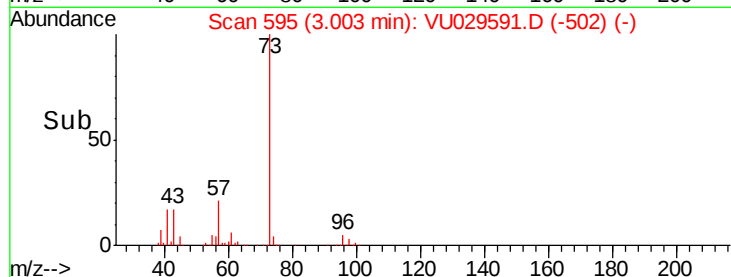
73 100

43 17.1 13.8 20.8

57 21.5 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 20.084 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

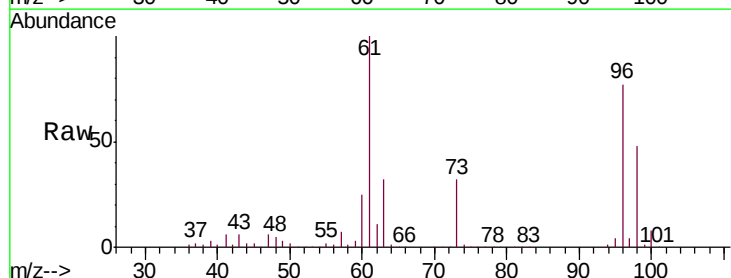
Tgt Ion: 96 Resp: 398983

Ion Ratio Lower Upper

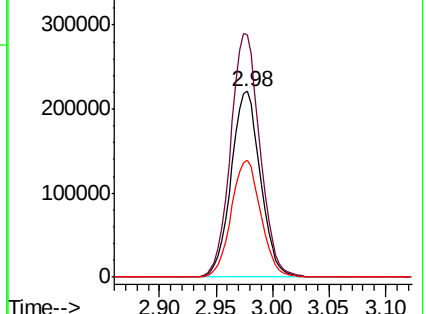
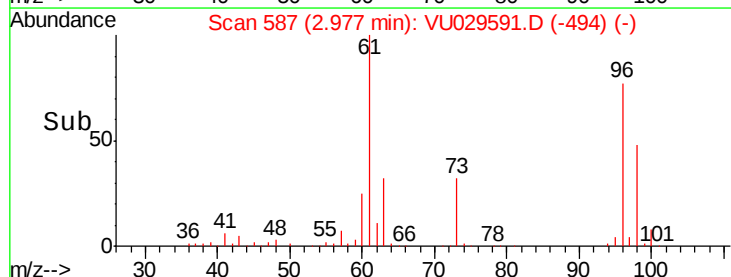
96 100

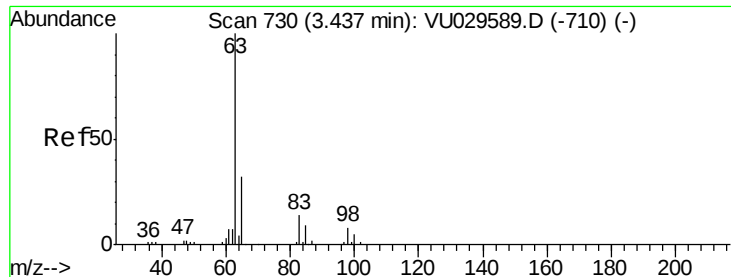
61 130.5 90.3 167.7

98 62.9 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 19.144 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02050

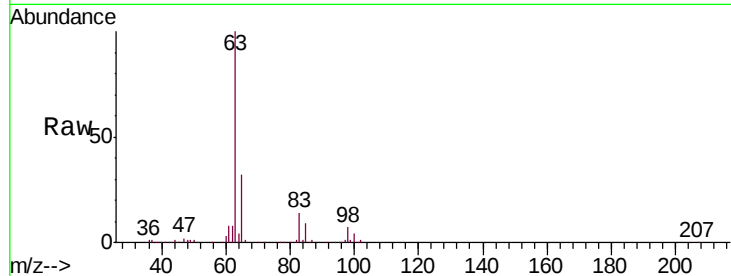
Tgt Ion: 63 Resp: 592140

Ion Ratio Lower Upper

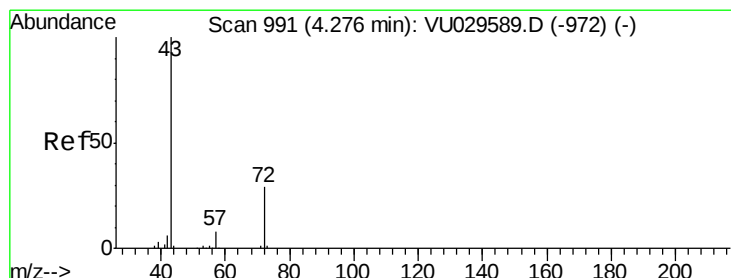
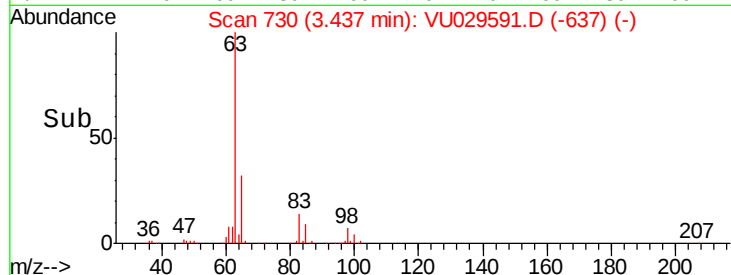
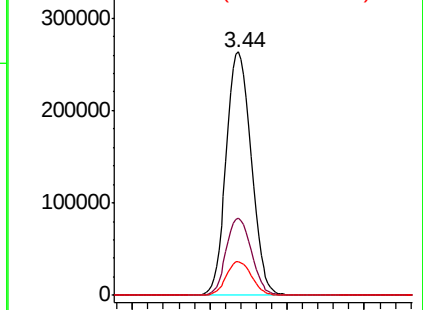
63 100

65 31.6 22.3 41.5

83 13.8 9.9 18.5



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 215.301 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VU029591.D

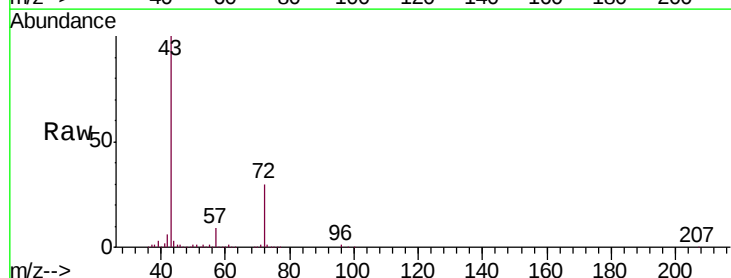
Acq: 21 Feb 2019 12:16

Tgt Ion: 43 Resp: 779808

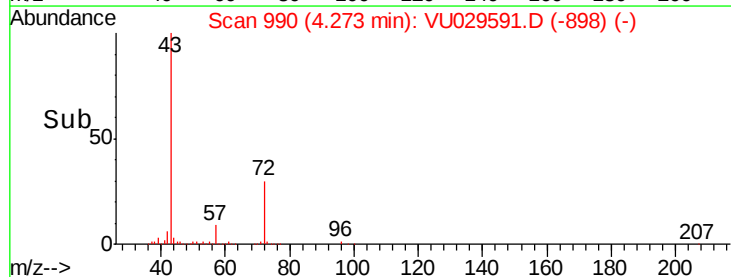
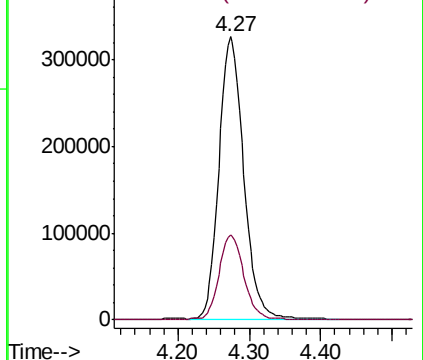
Ion Ratio Lower Upper

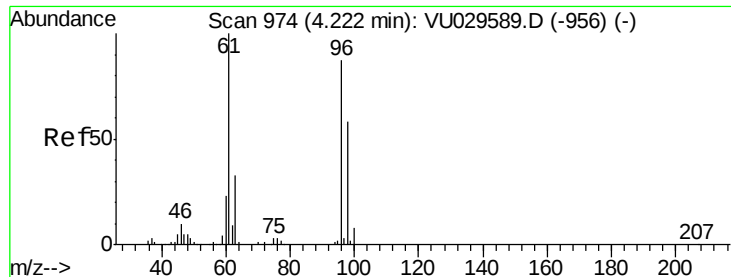
43 100

72 30.7 15.4 46.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0



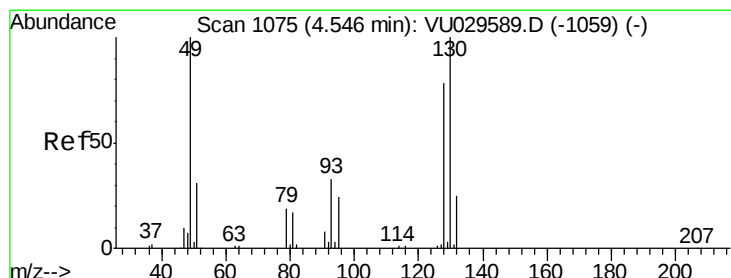
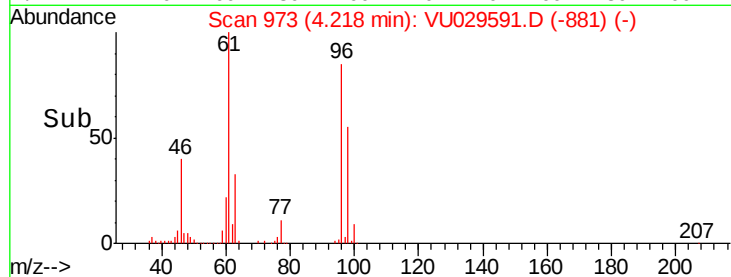
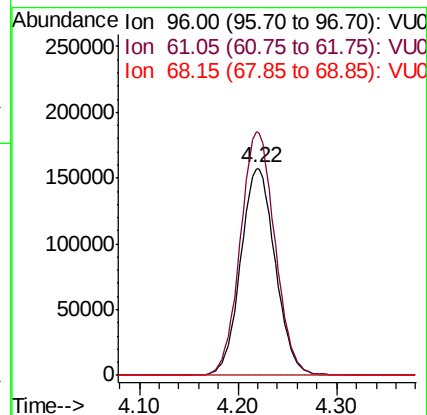
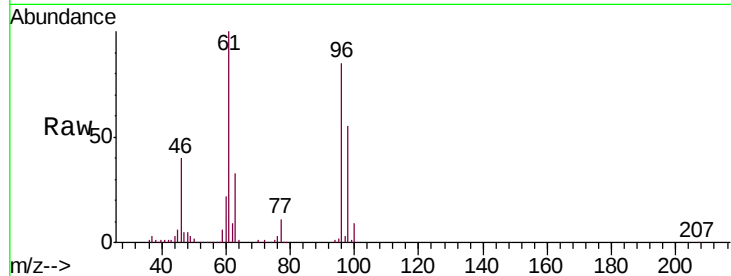


#22

cis-1,2-Dichloroethene
Concen: 20.945 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU029591.D
Acq: 21 Feb 2019 12:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD02050

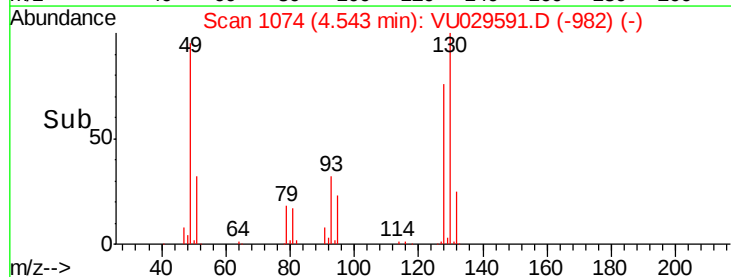
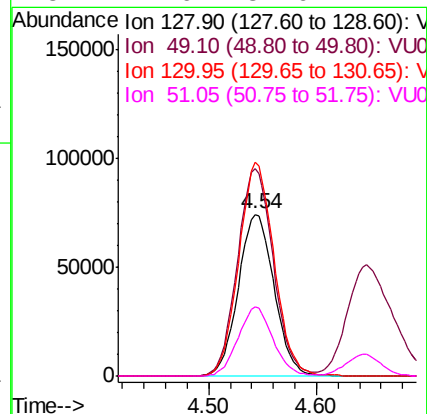
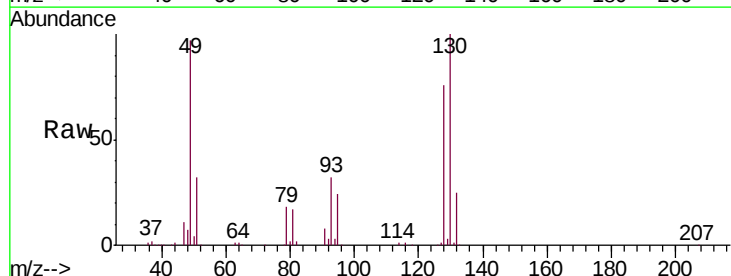
Tgt Ion: 96 Resp: 381071
Ion Ratio Lower Upper
96 100
61 117.6 80.2 149.0
68 0.0 0.0 0.0

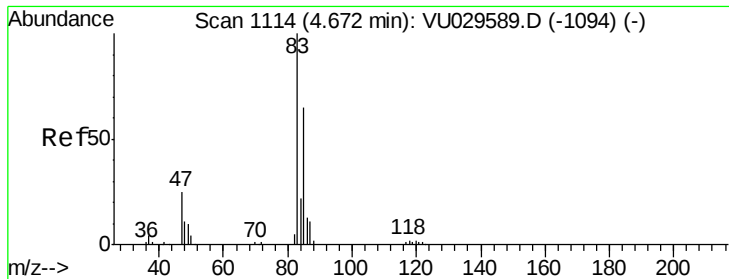


#23

Bromochloromethane
Concen: 20.901 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU029591.D
Acq: 21 Feb 2019 12:16

Tgt Ion: 128 Resp: 171587
Ion Ratio Lower Upper
128 100
49 128.1 89.6 166.4
130 132.2 90.1 167.3
51 42.6 31.6 47.4

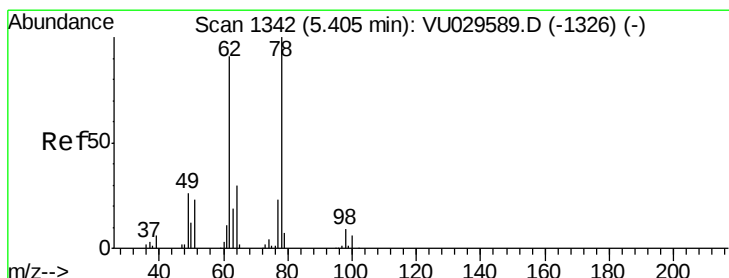
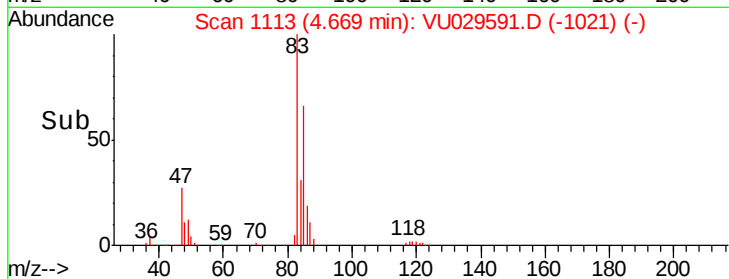
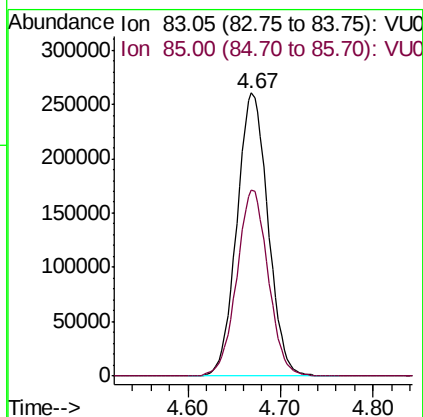
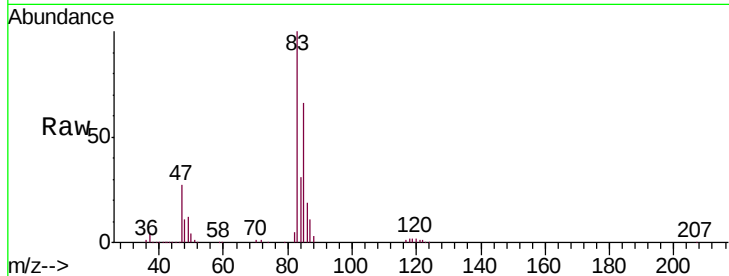




#25
Chloroform
Concen: 19.606 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029591.D
Acq: 21 Feb 2019 12:16

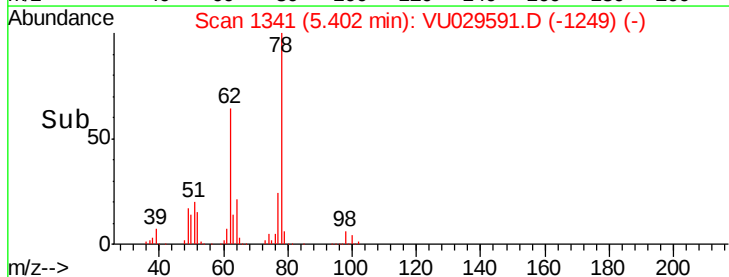
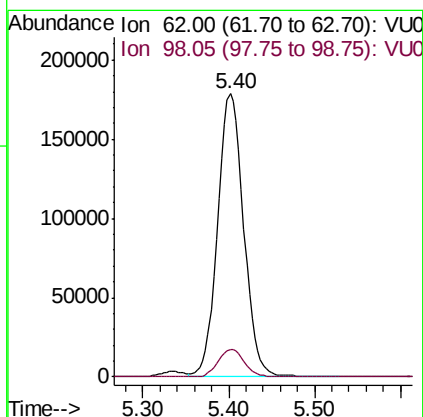
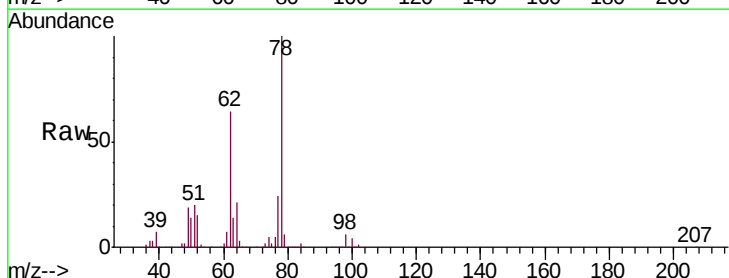
Instrument :
MSVOA_U
ClientSampleId :
VSTD02050

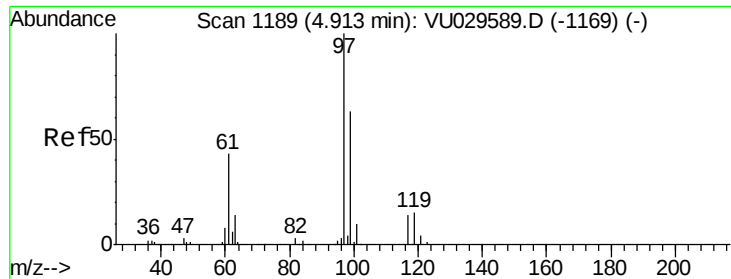
Tgt Ion: 83 Resp: 607094
Ion Ratio Lower Upper
83 100
85 65.8 45.6 84.6



#27
1,2-Dichloroethane
Concen: 20.591 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU029591.D
Acq: 21 Feb 2019 12:16

Tgt Ion: 62 Resp: 376550
Ion Ratio Lower Upper
62 100
98 9.8 7.6 11.4

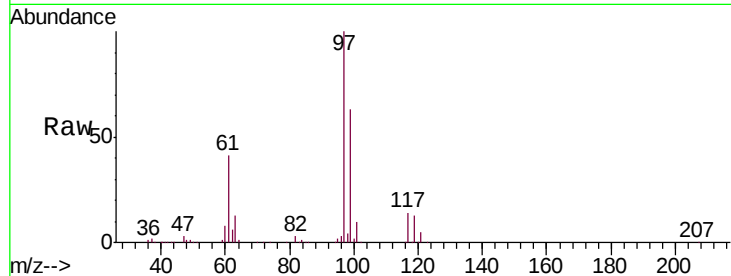




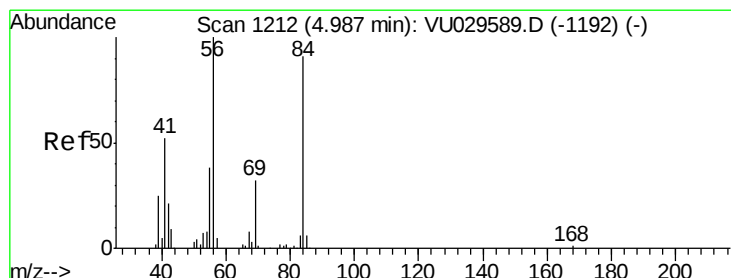
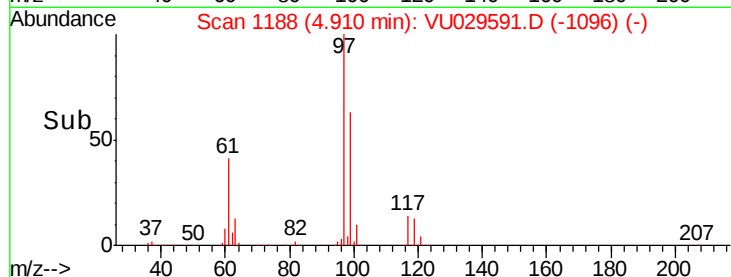
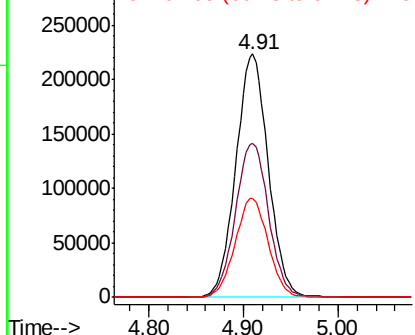
#29
 1,1,1-Trichloroethane
 Concen: 20.291 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU029591.D
 Acq: 21 Feb 2019 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02050

Tgt Ion: 97 Resp: 532378
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.2 78.2
 61 41.4 33.5 50.3

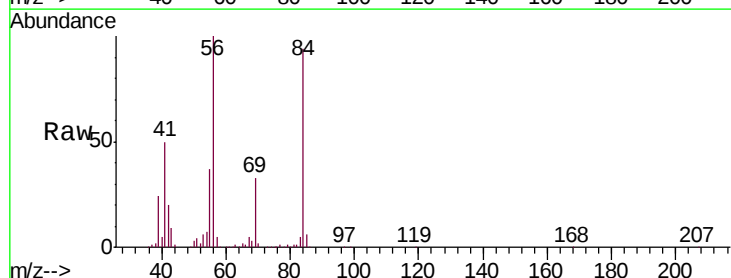


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

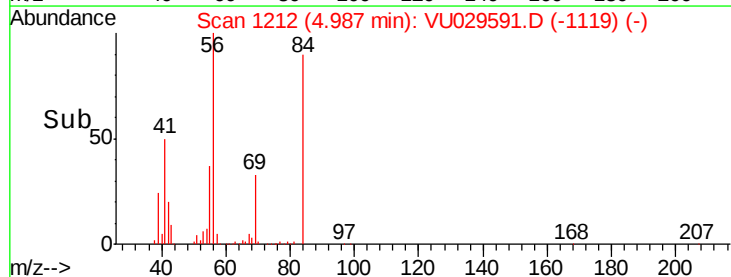
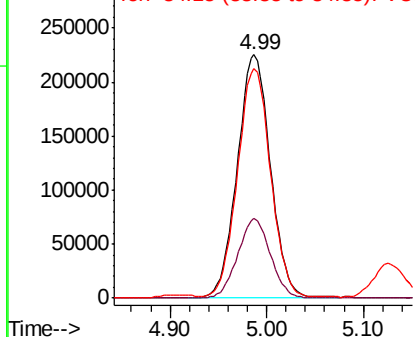


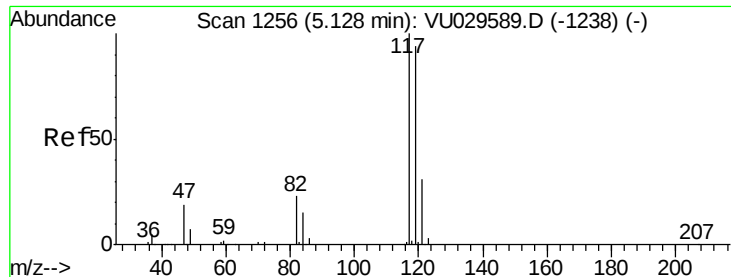
#30
 Cyclohexane
 Concen: 20.706 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: VU029591.D
 Acq: 21 Feb 2019 12:16

Tgt Ion: 56 Resp: 537629
 Ion Ratio Lower Upper
 56 100
 69 32.1 25.8 38.8
 84 93.3 73.5 110.3



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 21.179 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

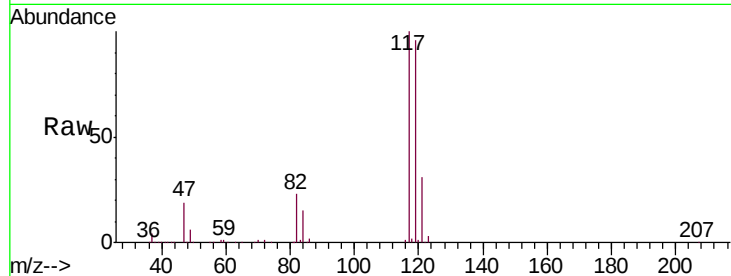
VSTD02050

Tgt Ion:117 Resp: 483628

Ion Ratio Lower Upper

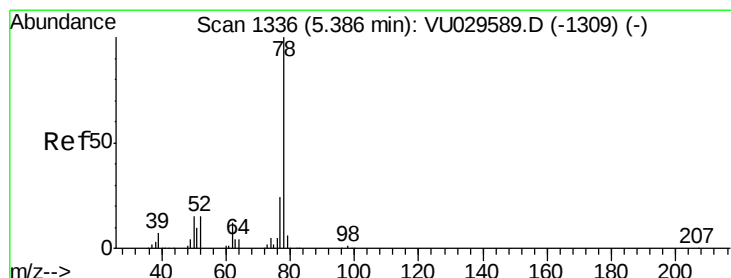
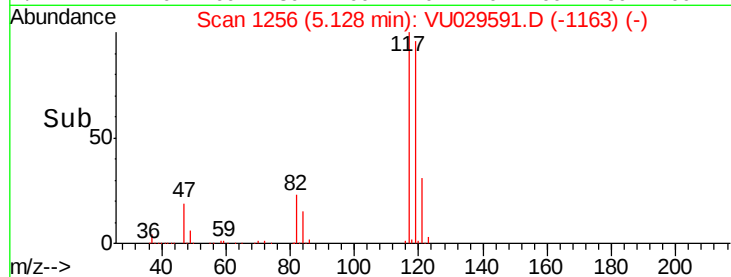
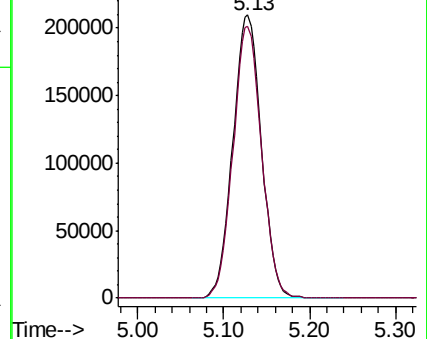
117 100

119 96.0 75.8 113.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 20.247 ug/L

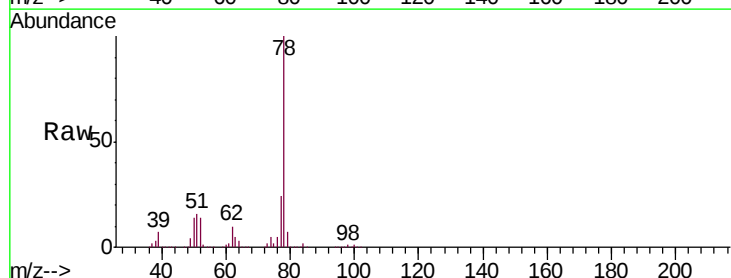
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

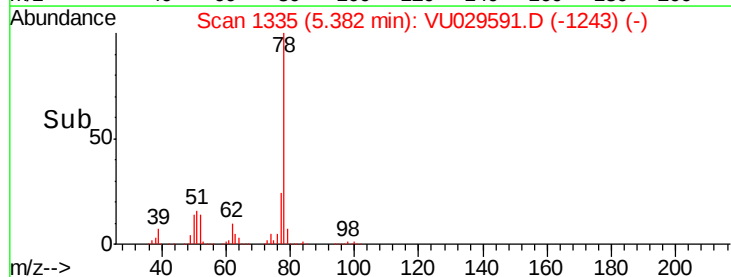
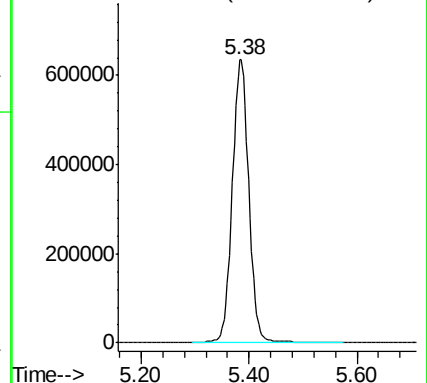
Lab File: VU029591.D

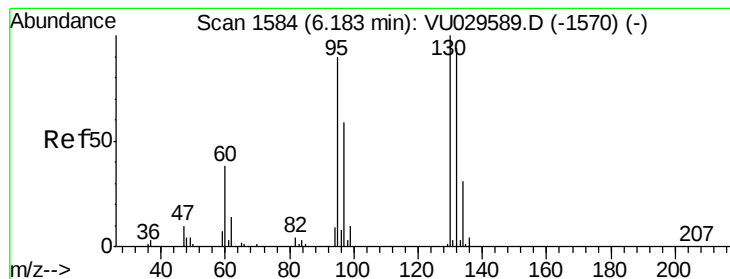
Acq: 21 Feb 2019 12:16

Tgt Ion: 78 Resp: 1350410



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 20.191 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02050

Tgt Ion: 95 Resp: 375976

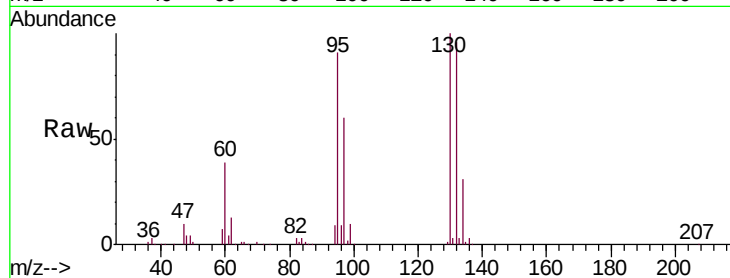
Ion Ratio Lower Upper

95 100

97 65.6 45.6 84.8

132 104.8 72.9 135.3

130 109.7 77.5 143.9

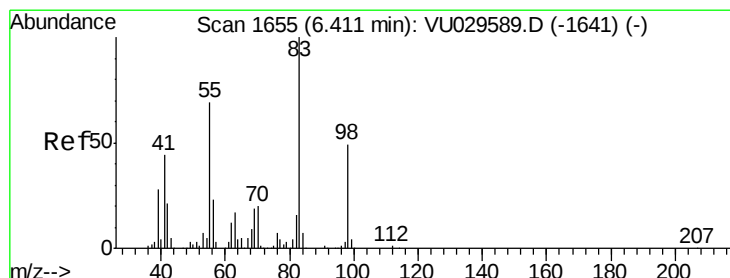
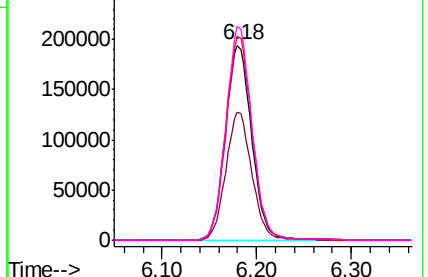
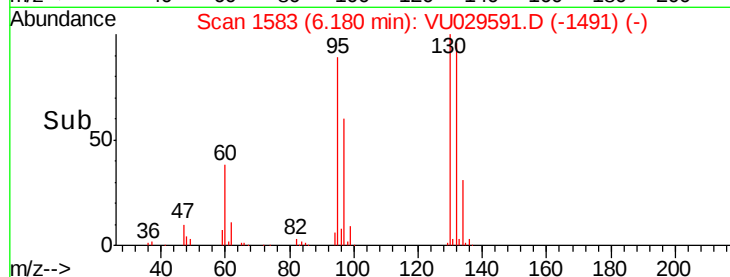


Abundance Ion 95.00 (94.70 to 95.70): VU029589.D (-1570) (-)

Ion 96.95 (96.65 to 97.65): VU029589.D (-1570) (-)

Ion 131.95 (131.65 to 132.65): VU029589.D (-1570) (-)

Ion 129.95 (129.65 to 130.65): VU029589.D (-1570) (-)



#35

Methylcyclohexane

Concen: 21.144 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

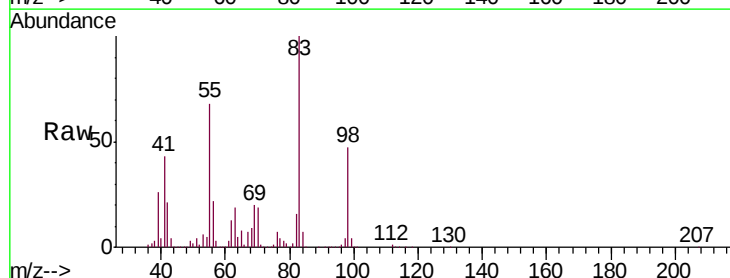
Tgt Ion: 83 Resp: 638538

Ion Ratio Lower Upper

83 100

55 68.7 56.5 84.7

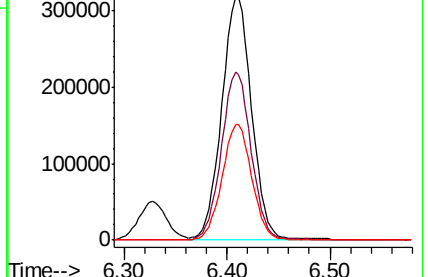
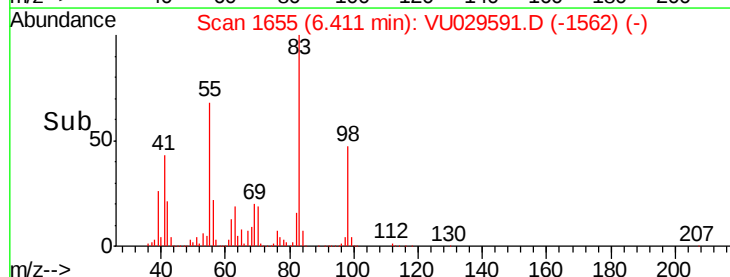
98 47.3 39.4 59.2

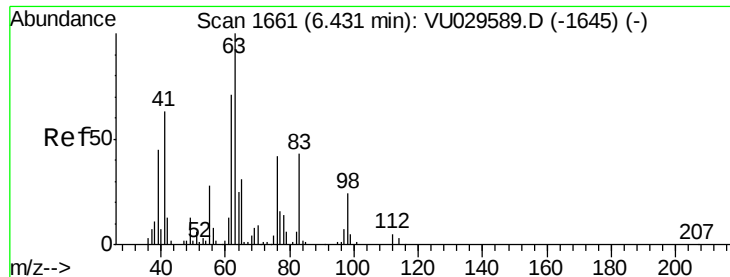


Abundance Ion 83.15 (82.85 to 83.85): VU029589.D (-1641) (-)

Ion 55.10 (54.80 to 55.80): VU029589.D (-1641) (-)

Ion 98.15 (97.85 to 98.85): VU029589.D (-1641) (-)





#37

1,2-Dichloropropane

Concen: 20.433 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

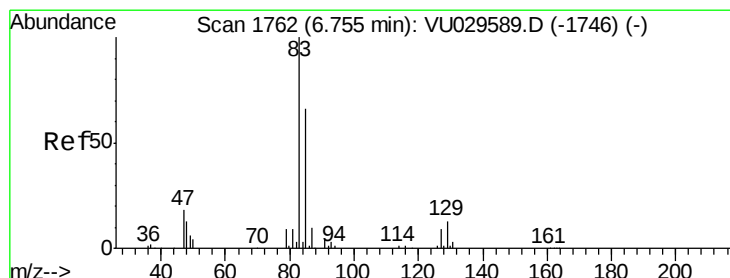
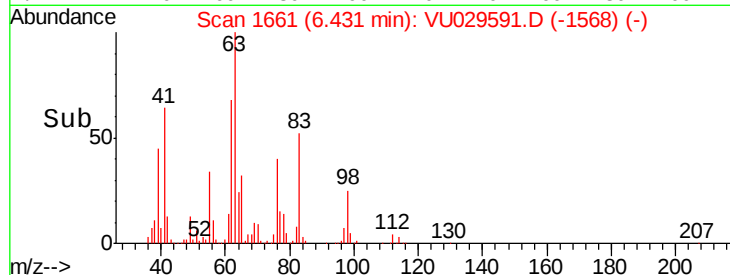
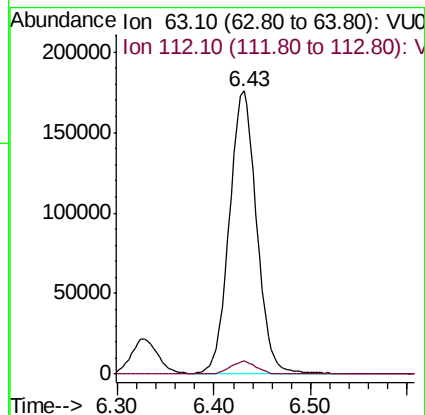
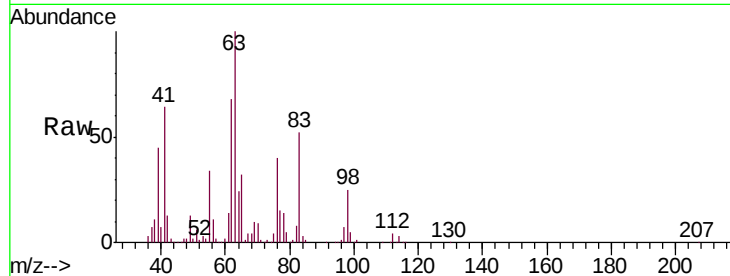
VSTD02050

Tgt Ion: 63 Resp: 343332

Ion Ratio Lower Upper

63 100

112 4.4 3.6 5.4



#38

Bromodichloromethane

Concen: 20.800 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

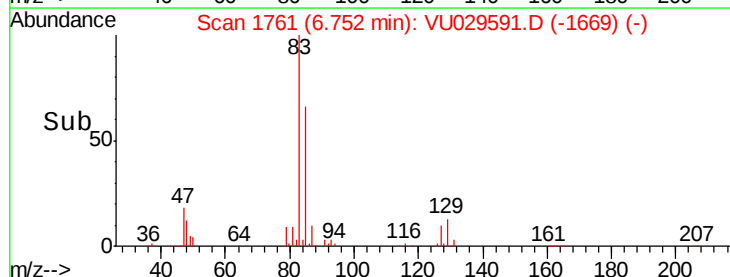
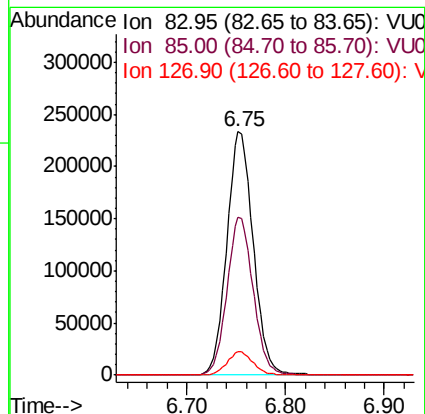
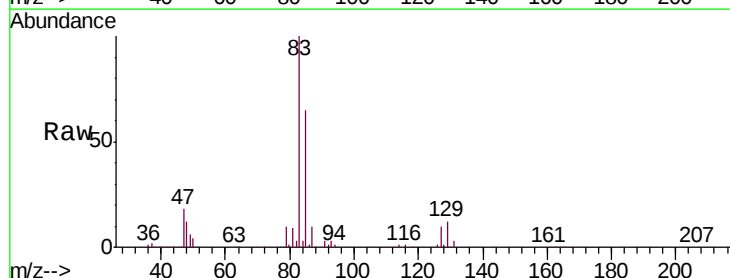
Tgt Ion: 83 Resp: 436292

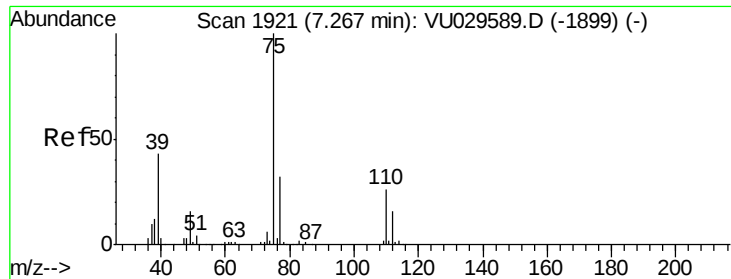
Ion Ratio Lower Upper

83 100

85 65.1 46.1 85.5

127 9.7 7.5 11.3

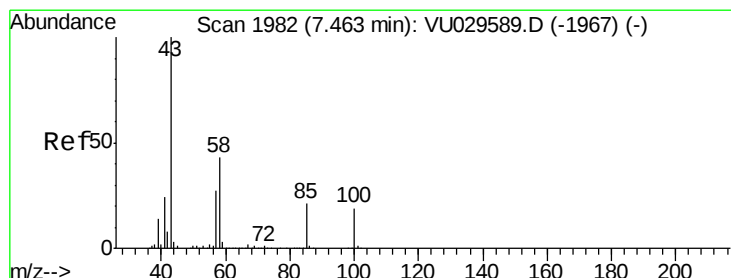
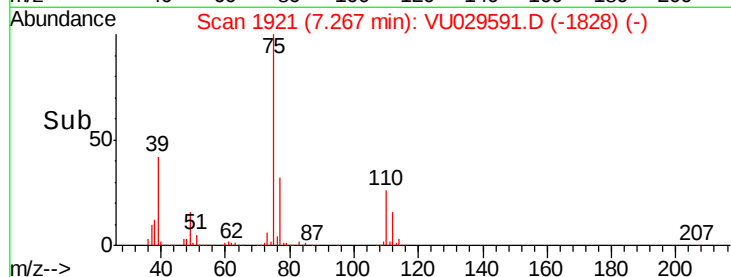
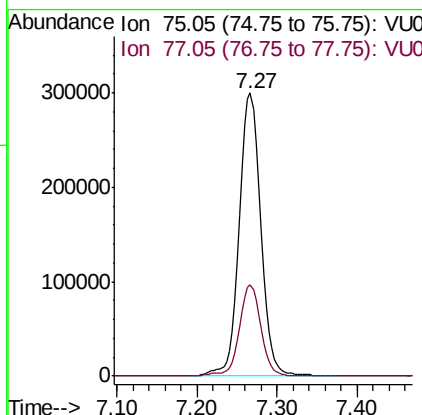
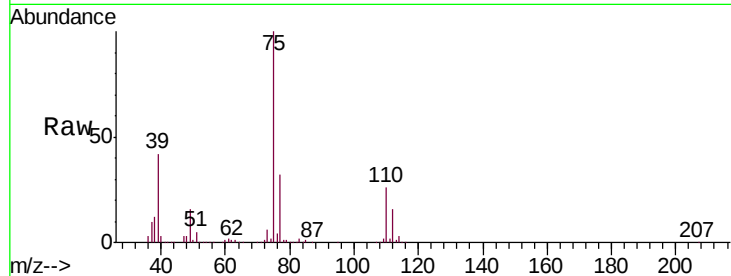




#39
 cis-1,3-Dichloropropene
 Concen: 22.027 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029591.D
 Acq: 21 Feb 2019 12:16

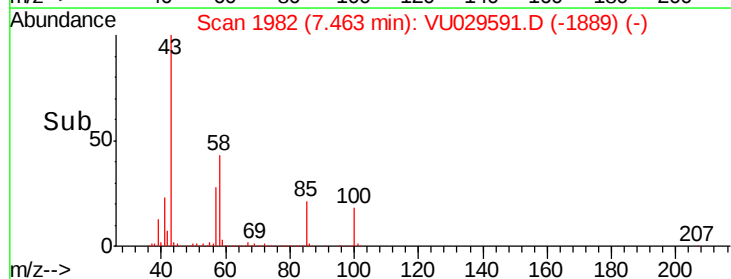
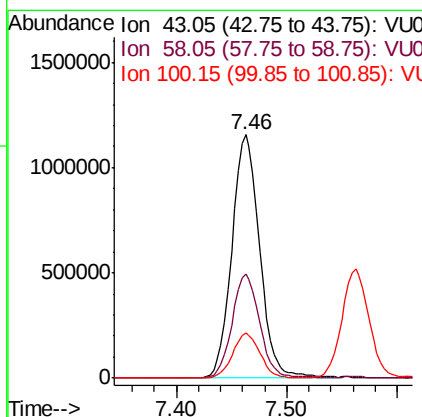
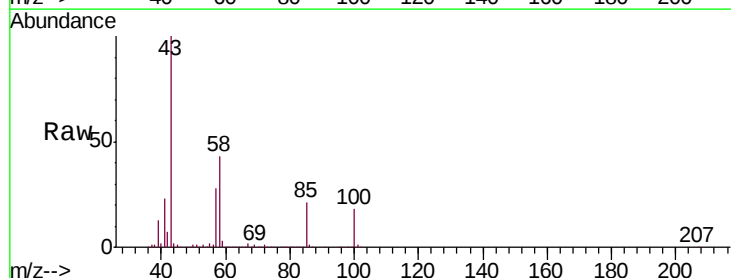
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02050

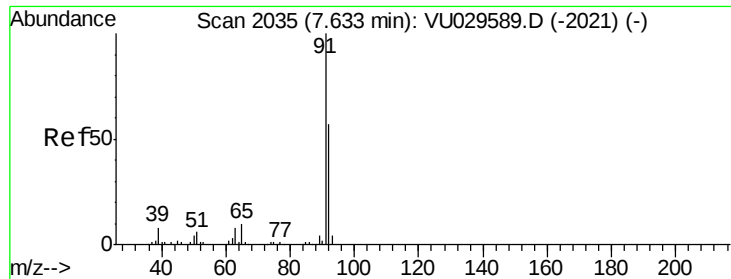
Tgt Ion: 75 Resp: 541729
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 214.125 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU029591.D
 Acq: 21 Feb 2019 12:16

Tgt Ion: 43 Resp: 2022170
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.8 50.8
 100 18.1 14.2 21.2





#42

Toluene

Concen: 21.128 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

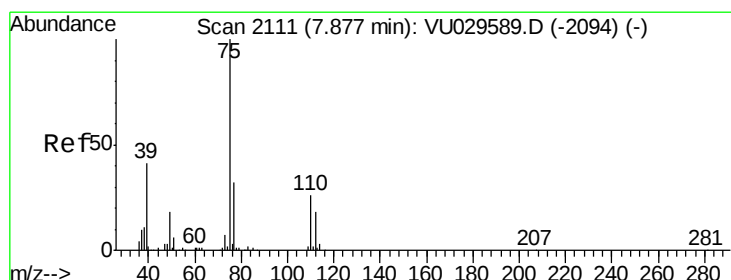
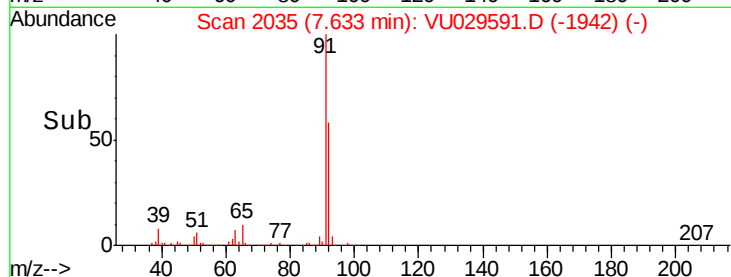
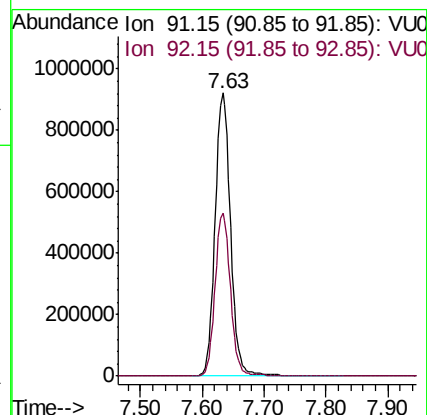
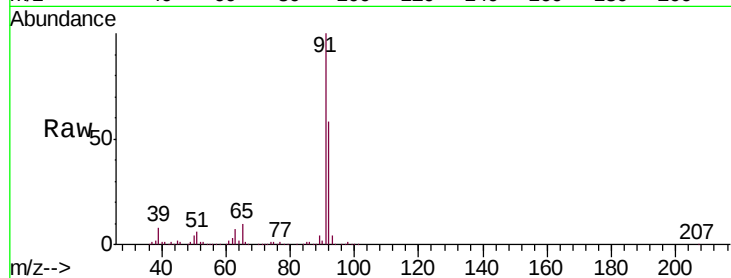
VSTD02050

Tgt Ion: 91 Resp: 1598416

Ion Ratio Lower Upper

91 100

92 57.6 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 22.827 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029591.D

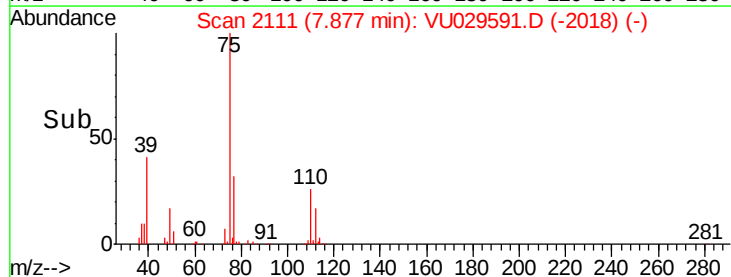
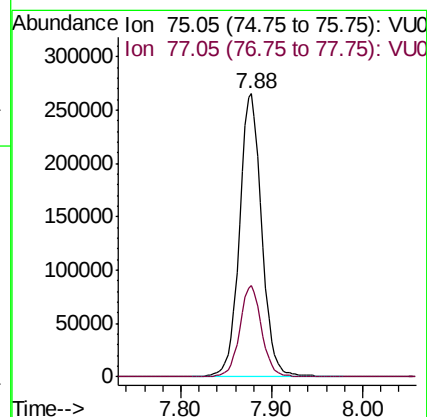
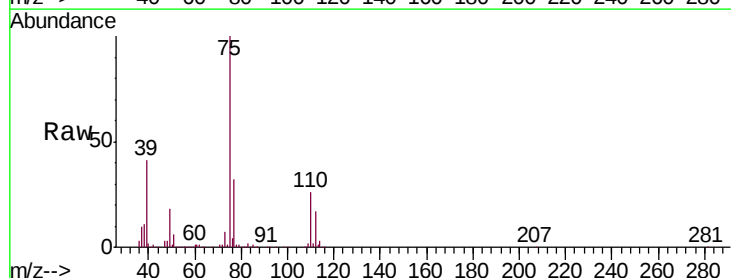
Acq: 21 Feb 2019 12:16

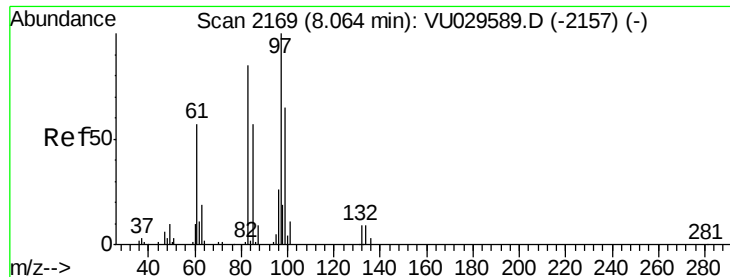
Tgt Ion: 75 Resp: 450658

Ion Ratio Lower Upper

75 100

77 32.4 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 20.064 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02050

Tgt Ion: 97 Resp: 264005

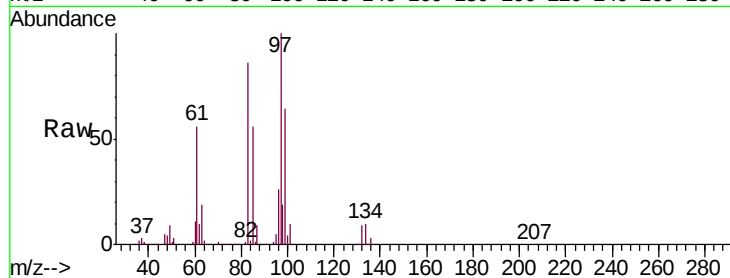
Ion Ratio Lower Upper

97 100

99 63.6 45.3 84.1

83 86.0 59.6 110.6

85 56.3 39.8 74.0

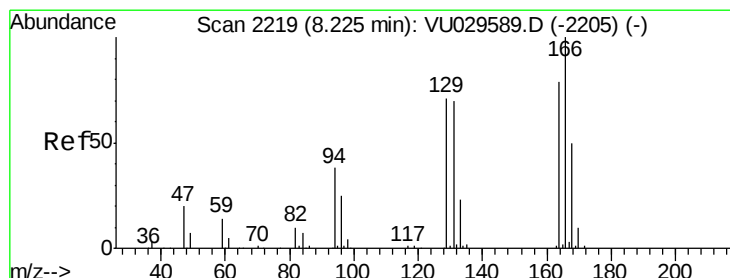
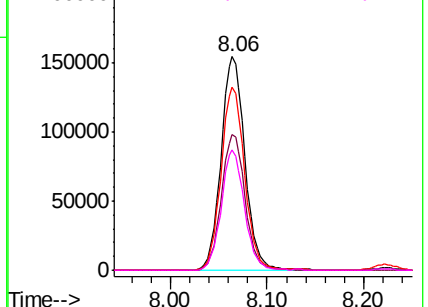
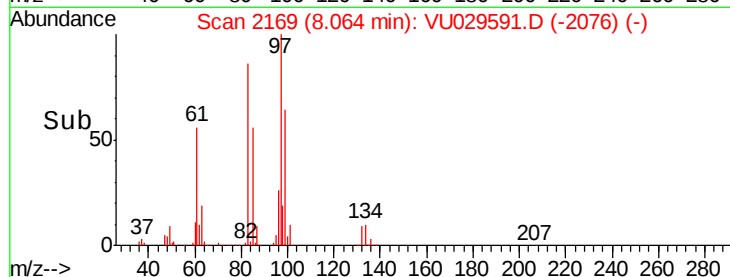


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 20.284 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Tgt Ion: 164 Resp: 350725

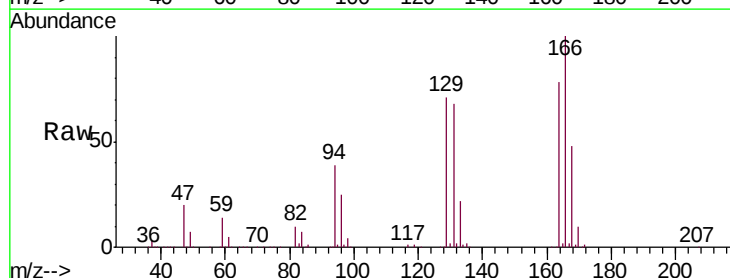
Ion Ratio Lower Upper

164 100

129 90.8 62.9 116.7

131 86.9 61.8 114.8

166 128.3 88.8 164.8

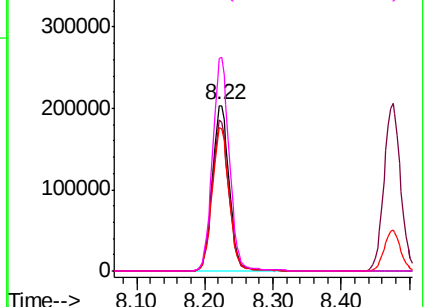
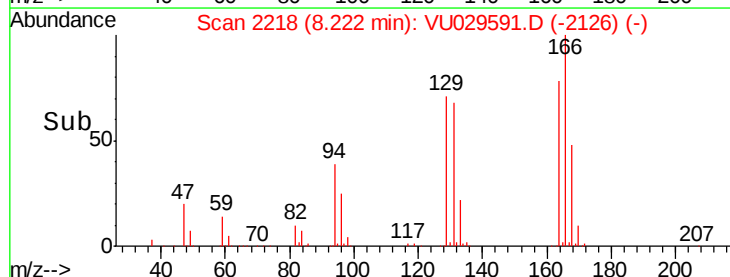


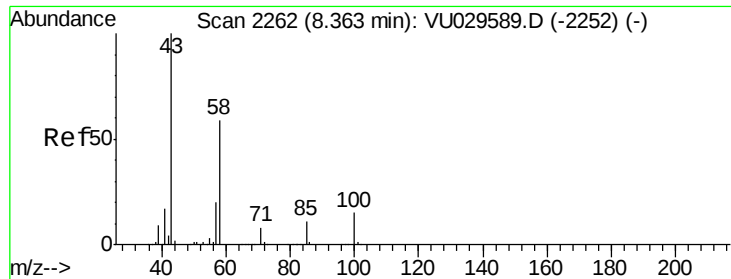
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



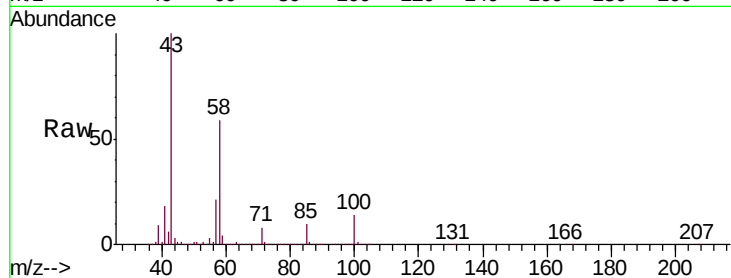


#48
2-Hexanone
Concen: 218.814 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029591.D
Acq: 21 Feb 2019 12:16

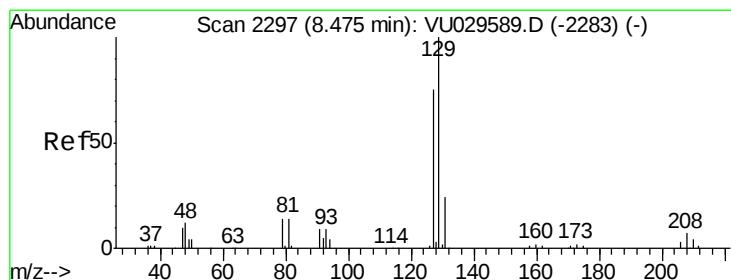
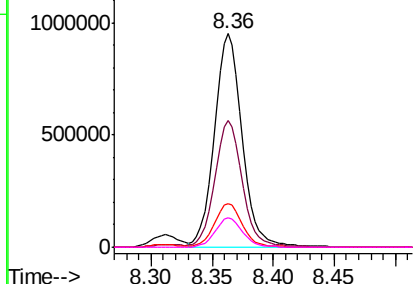
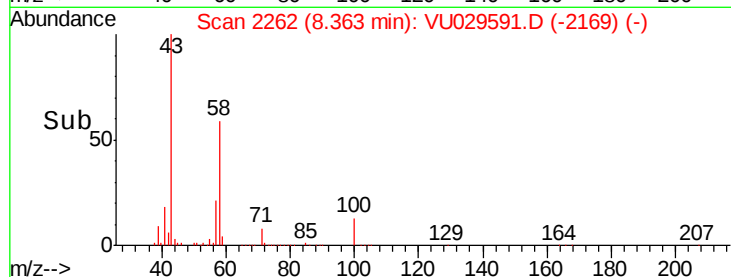
Instrument :
MSVOA_U
ClientSampleId :
VSTD02050

Tgt Ion: 43 Resp: 1511292

Ion	Ratio	Lower	Upper
43	100		
58	59.0	46.6	69.8
57	20.7	15.9	23.9
100	13.8	11.4	17.2



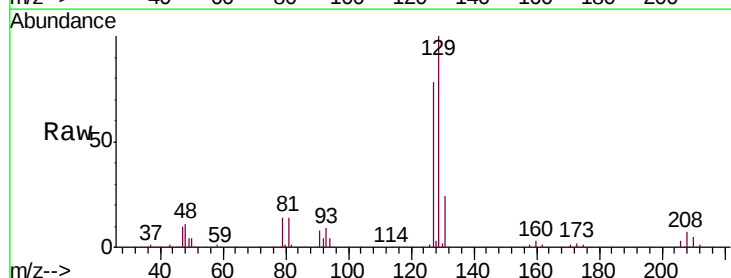
Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0



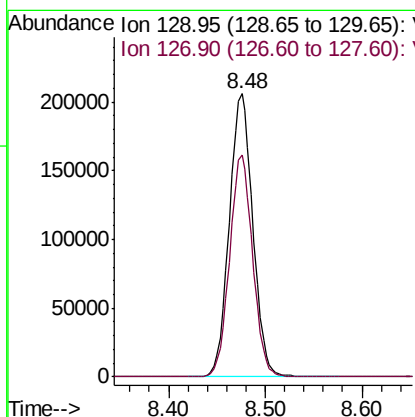
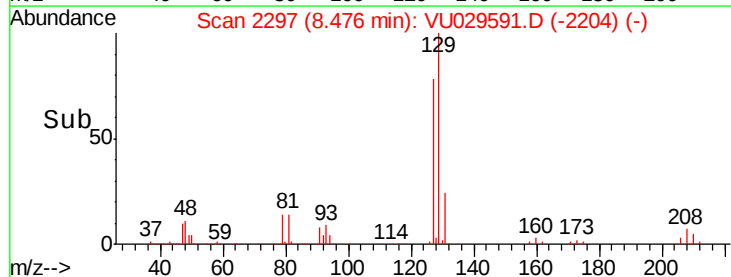
#49
Dibromochloromethane
Concen: 21.877 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029591.D
Acq: 21 Feb 2019 12:16

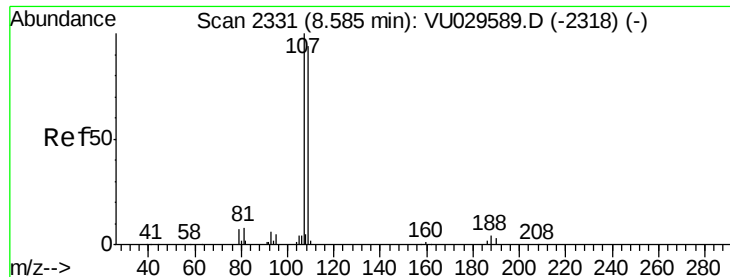
Tgt Ion: 129 Resp: 348697

Ion	Ratio	Lower	Upper
129	100		
127	78.5	52.5	97.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

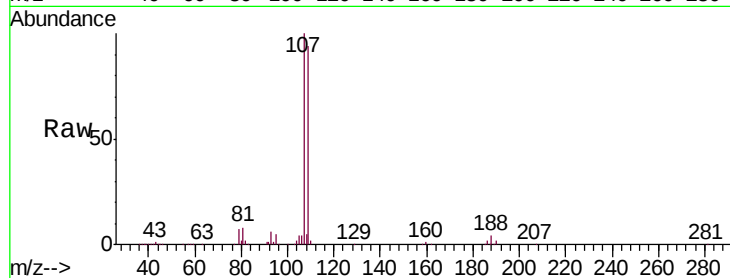




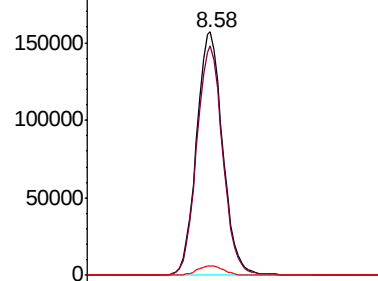
#50
1,2-Dibromoethane
Concen: 20.591 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU029591.D
Acq: 21 Feb 2019 12:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD02050

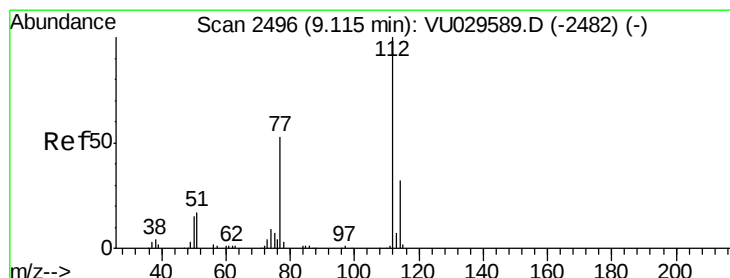
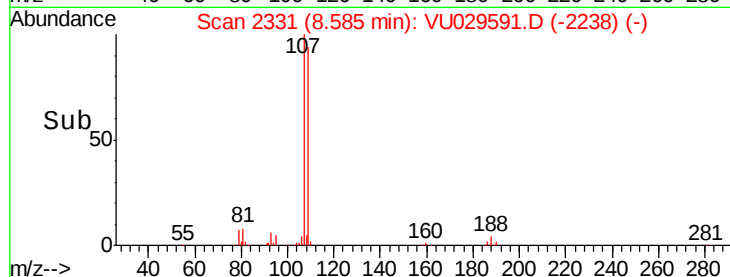
Tgt Ion:107 Resp: 265228
Ion Ratio Lower Upper
107 100
109 94.1 65.8 122.2
188 4.0 3.3 4.9



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

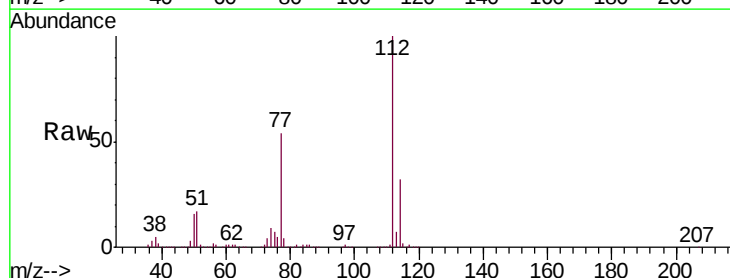


Time-->

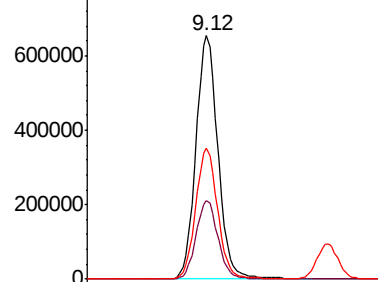


#51
Chlorobenzene
Concen: 20.762 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029591.D
Acq: 21 Feb 2019 12:16

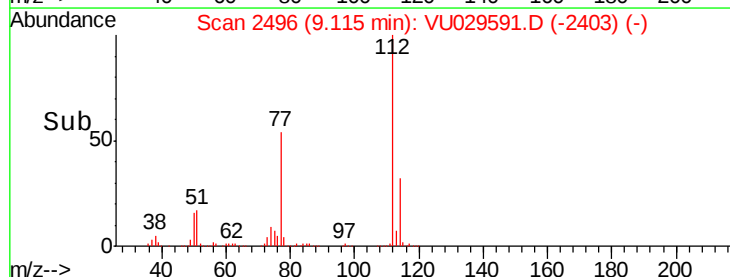
Tgt Ion:112 Resp: 1079097
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.3
77 53.7 42.7 64.1

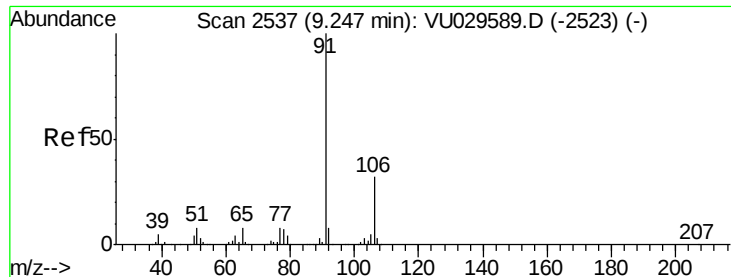


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



Time-->





#52

Ethylbenzene

Concen: 21.702 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

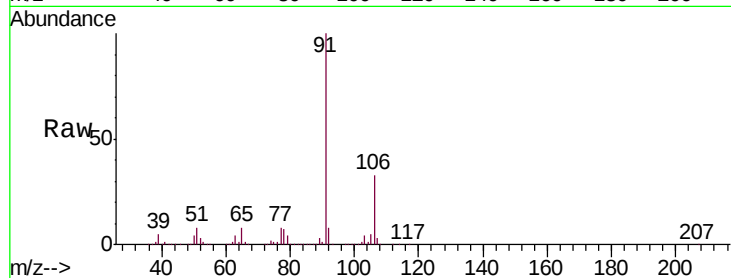
VSTD02050

Tgt Ion: 91 Resp: 1836431

Ion Ratio Lower Upper

91 100

106 32.9 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VU029591.D (-2444) (-)

Ion 106.15 (105.85 to 106.85): VU029591.D (-2444) (-)

9.25

1200000

1000000

800000

600000

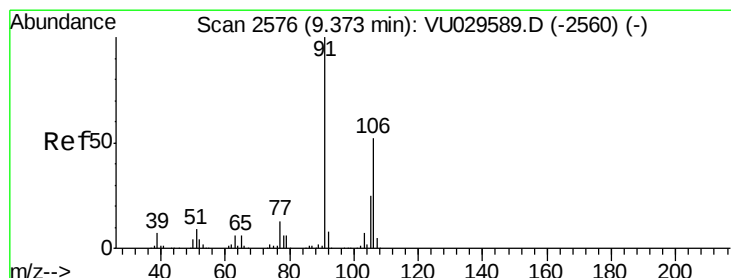
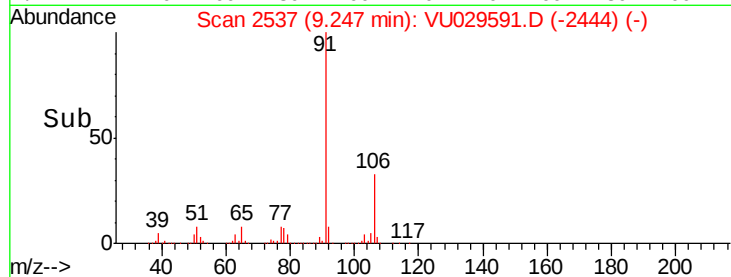
400000

200000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-xylene

Concen: 21.649 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029591.D

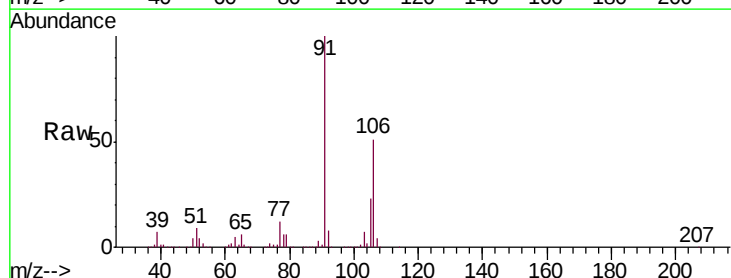
Acq: 21 Feb 2019 12:16

Tgt Ion: 106 Resp: 734458

Ion Ratio Lower Upper

106 100

91 195.3 136.0 252.6



Abundance Ion 106.15 (105.85 to 106.85): VU029591.D (-2483) (-)

Ion 91.15 (90.85 to 91.85): VU029591.D (-2483) (-)

9.37

1000000

800000

600000

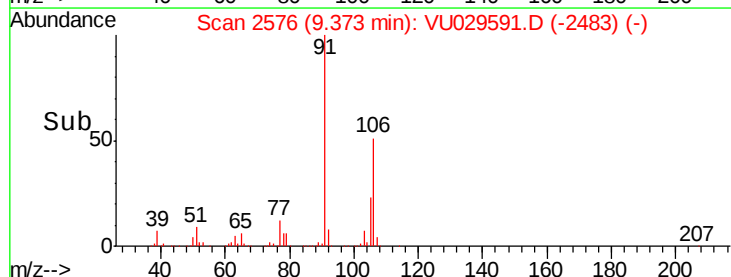
400000

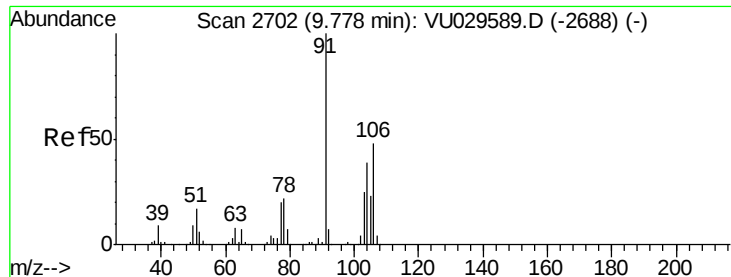
200000

0

9.30 9.40 9.50

Time-->





#54

o-xylene

Concen: 22.116 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

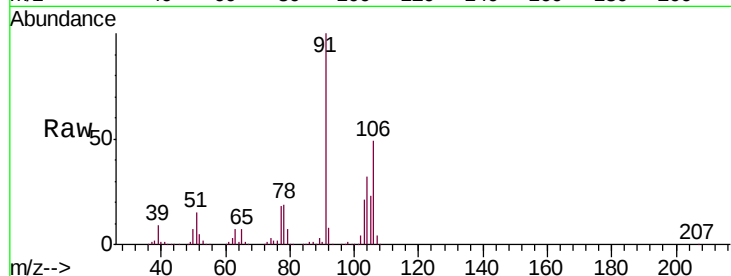
VSTD02050

Tgt Ion:106 Resp: 722421

Ion Ratio Lower Upper

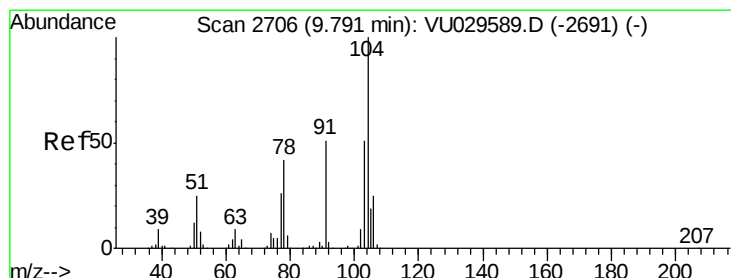
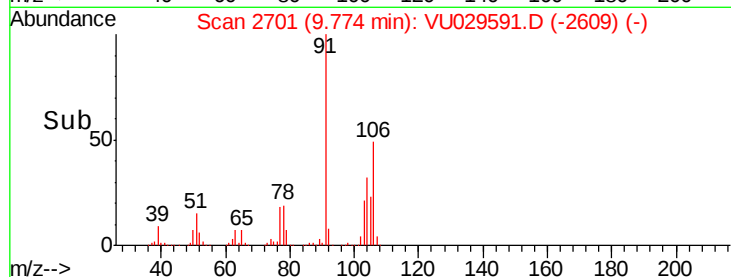
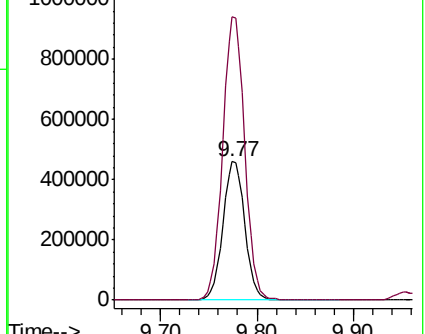
106 100

91 204.7 145.7 270.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 22.561 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU029591.D

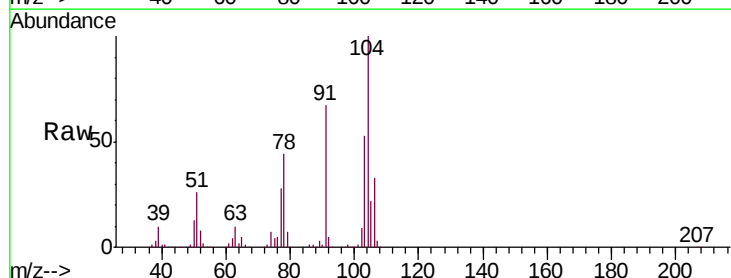
Acq: 21 Feb 2019 12:16

Tgt Ion:104 Resp: 1231185

Ion Ratio Lower Upper

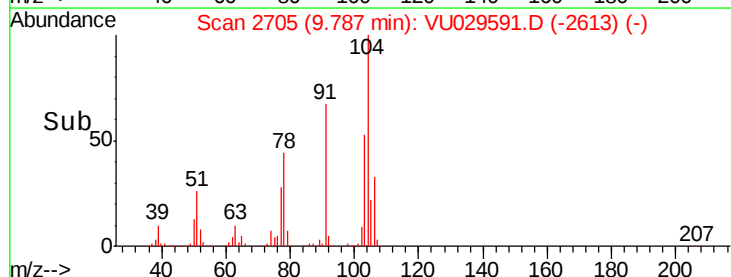
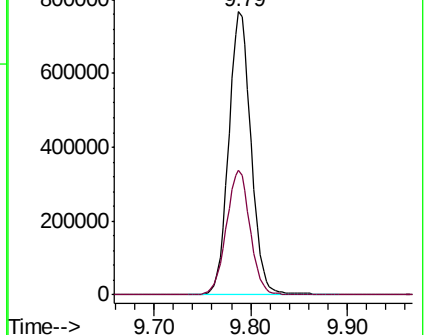
104 100

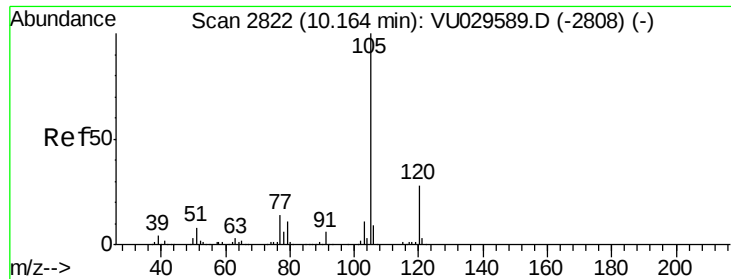
78 44.1 29.2 54.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 22.032 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02050

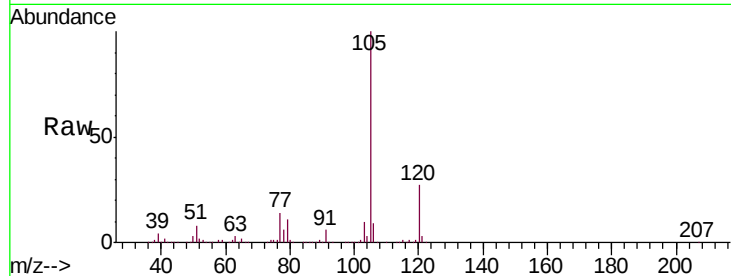
Tgt Ion:105 Resp: 1931199

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.6

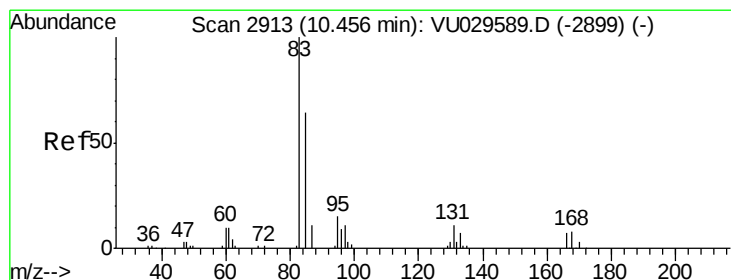
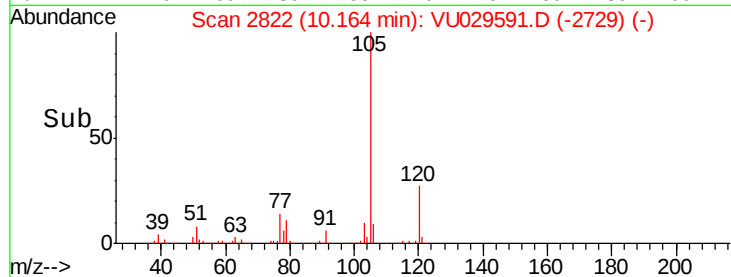
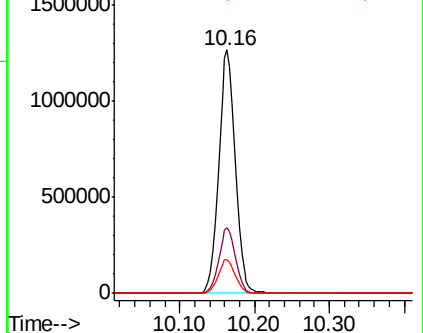
77 14.2 11.5 17.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#58

1,1,2,2-Tetrachloroethane

Concen: 21.406 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

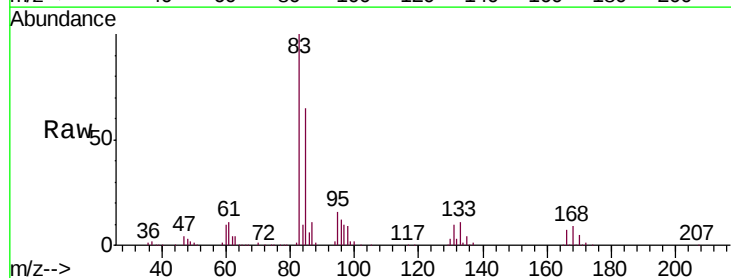
Tgt Ion: 83 Resp: 347195

Ion Ratio Lower Upper

83 100

85 65.2 44.9 83.3

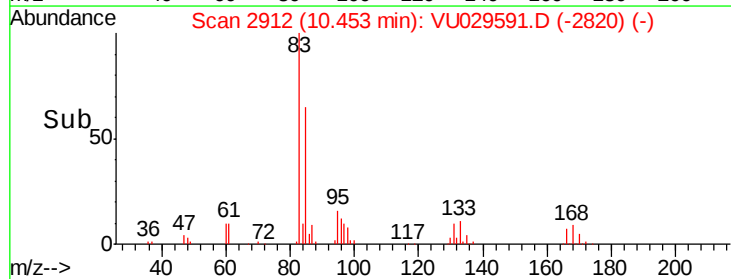
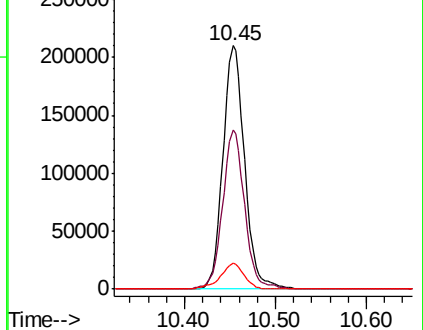
131 10.5 8.9 13.3

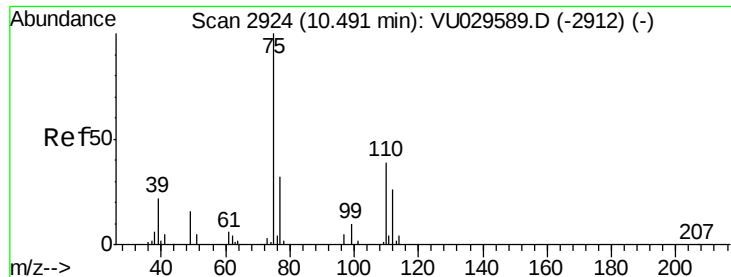


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

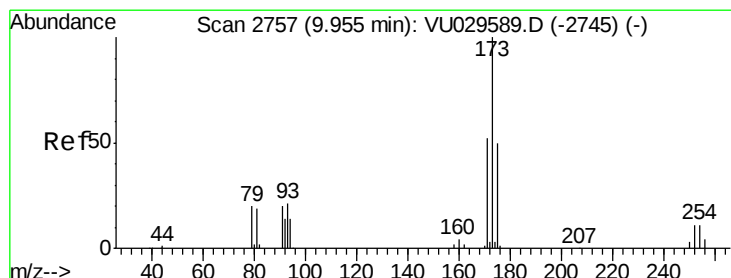
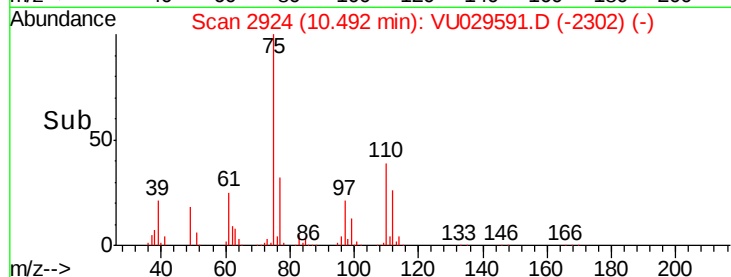
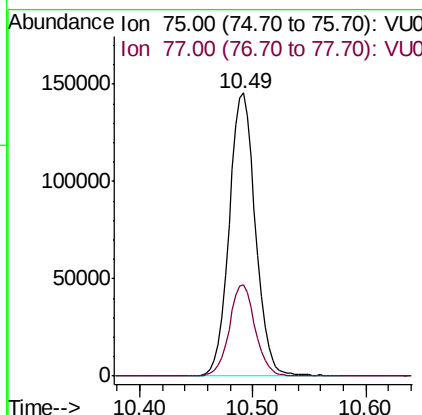
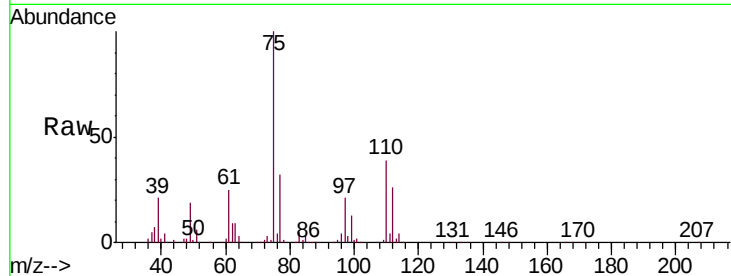




#59
 1,2,3-Trichloropropane
 Concen: 20.948 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU029591.D
 Acq: 21 Feb 2019 12:16

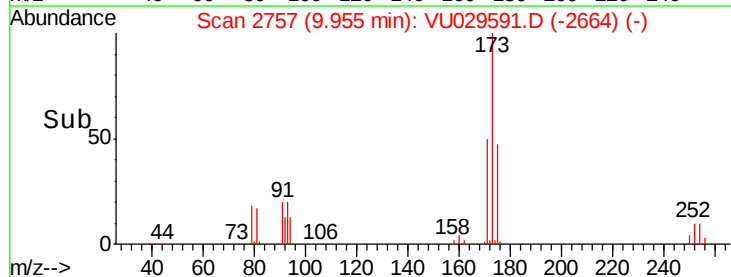
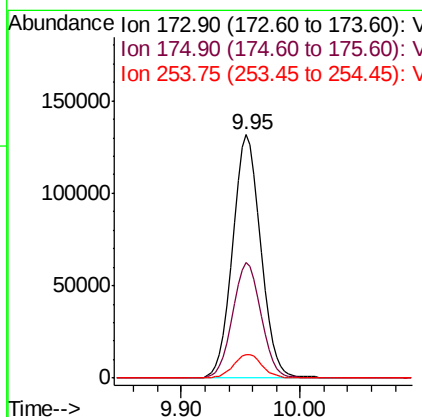
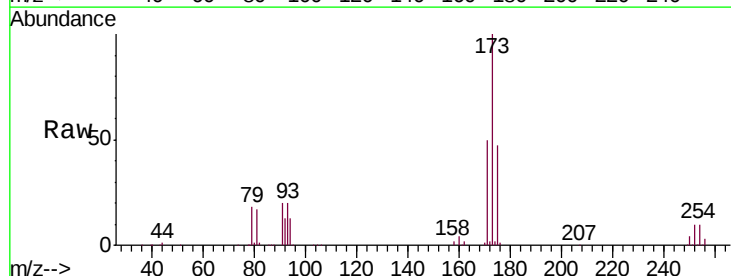
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02050

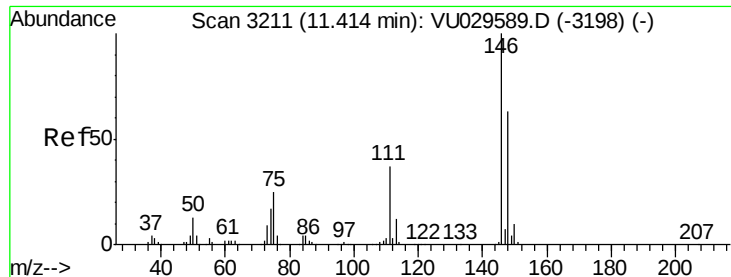
Tgt Ion: 75 Resp: 235053
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4



#61
 Bromoform
 Concen: 22.507 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029591.D
 Acq: 21 Feb 2019 12:16

Tgt Ion: 173 Resp: 215739
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.0 58.6
 254 9.9 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 20.688 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02050

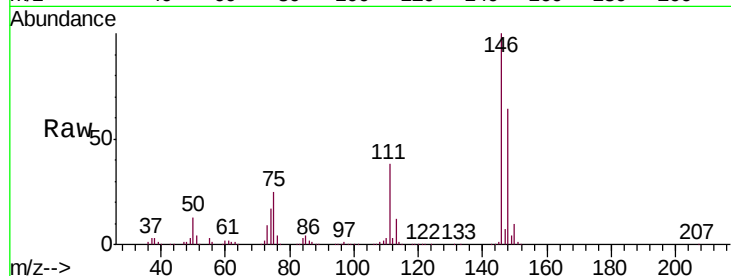
Tgt Ion:146 Resp: 949400

Ion Ratio Lower Upper

146 100

111 37.6 25.7 47.7

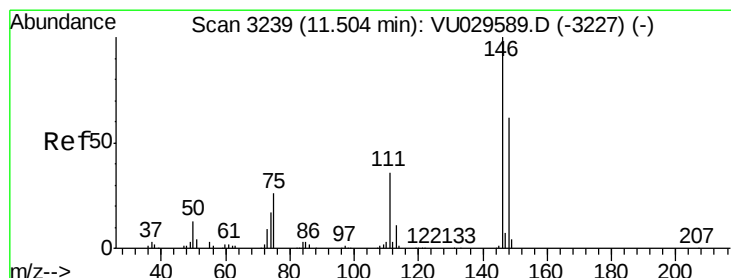
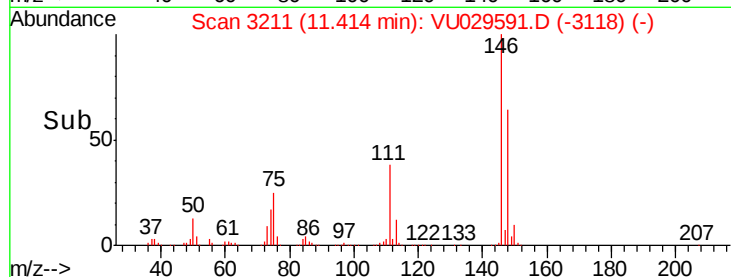
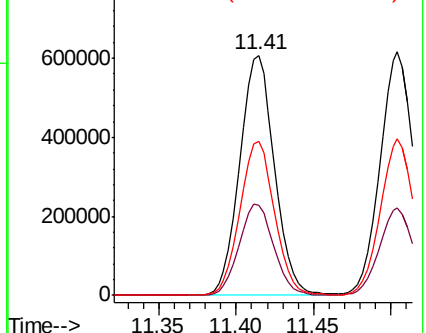
148 64.1 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 20.491 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

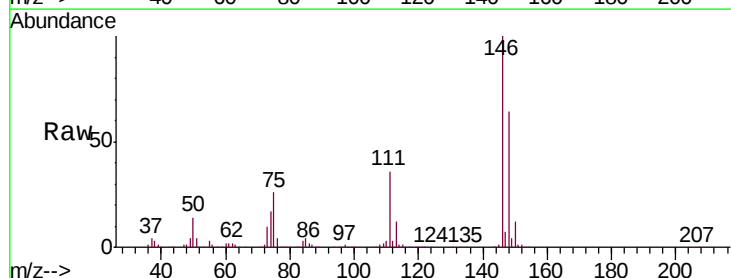
Tgt Ion:146 Resp: 953595

Ion Ratio Lower Upper

146 100

111 35.9 25.4 47.2

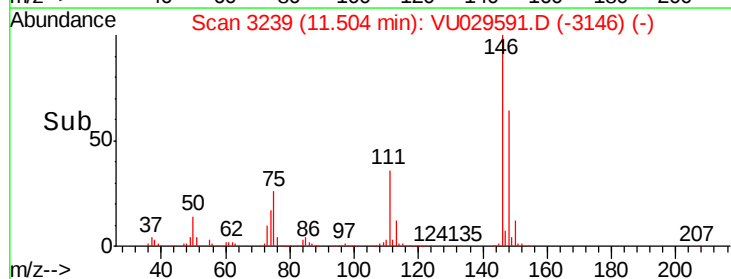
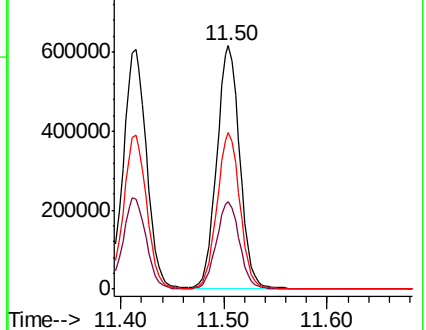
148 64.3 43.7 81.1

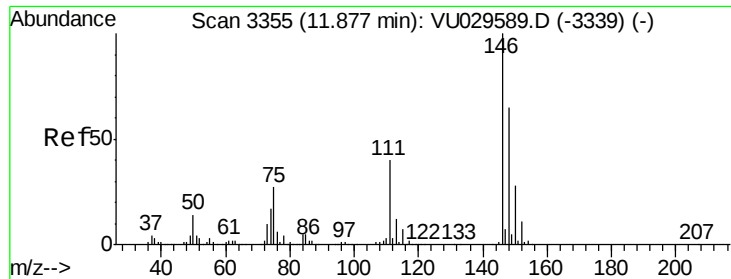


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

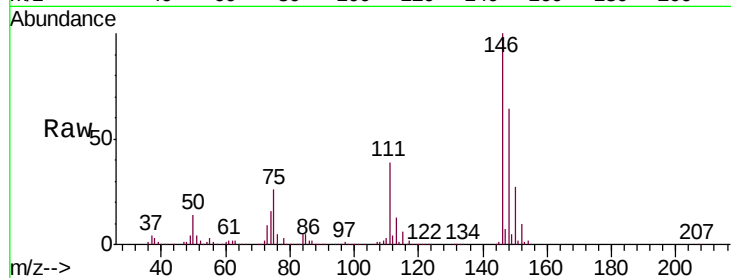




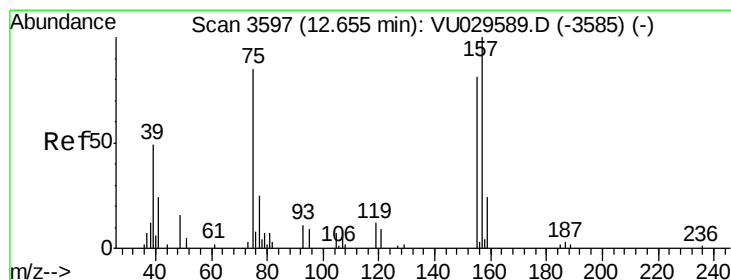
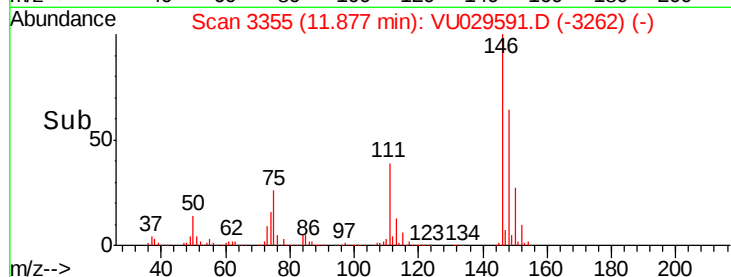
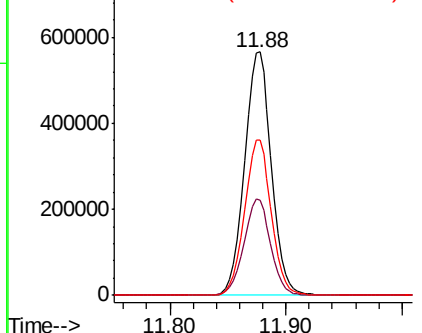
#65
 1,2-Dichlorobenzene
 Concen: 20.458 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029591.D
 Acq: 21 Feb 2019 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	32.2	48.2
148	63.9	52.2	78.4

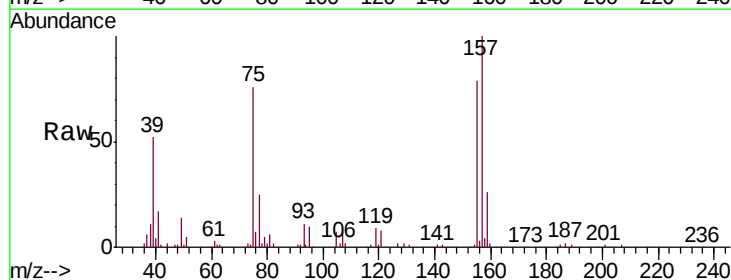


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

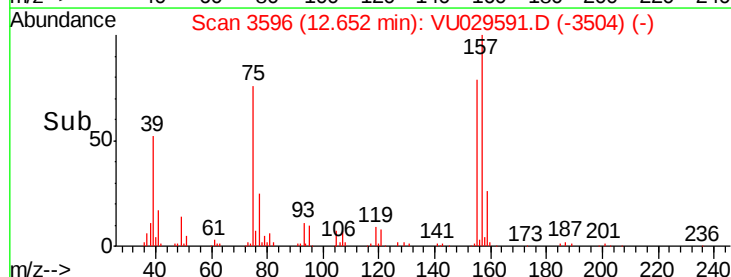
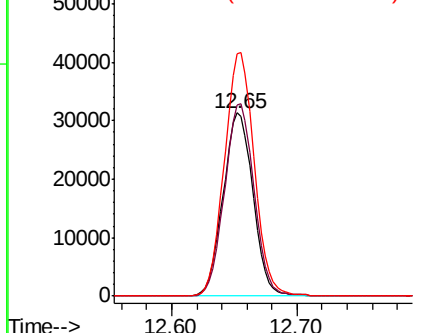


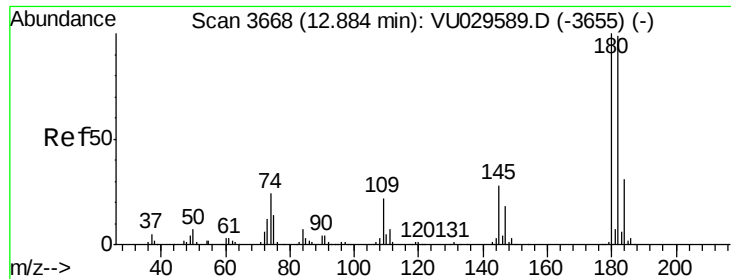
#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.911 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029591.D
 Acq: 21 Feb 2019 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.6	75.5	113.3
157	132.3	93.8	140.6



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

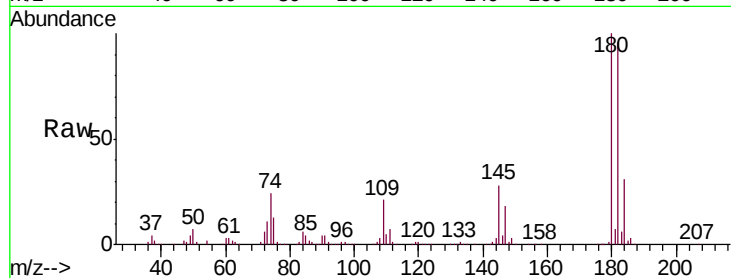




#67
 1,3,5-Trichlorobenzene
 Concen: 20.761 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029591.D
 Acq: 21 Feb 2019 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
184	30.6	25.0	37.4
145	28.4	22.4	33.6



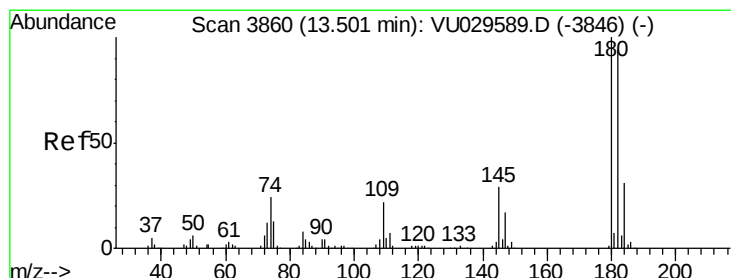
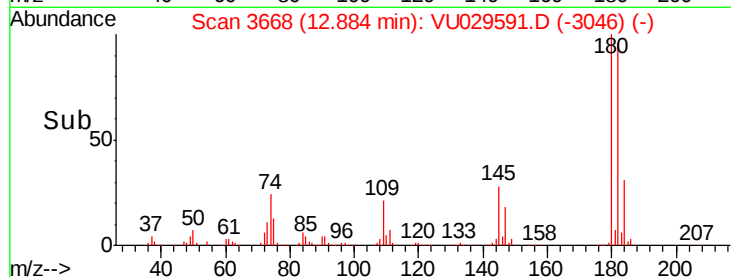
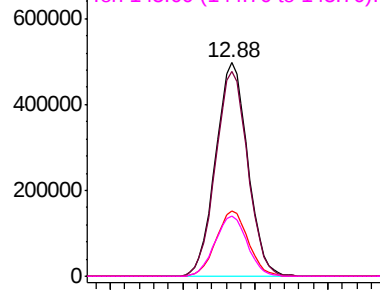
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

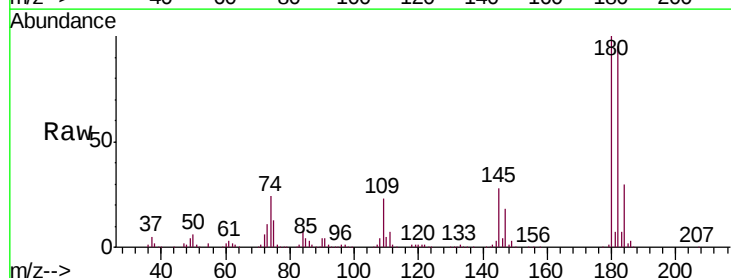
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 21.837 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU029591.D
 Acq: 21 Feb 2019 12:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.7	113.5
145	28.4	22.4	33.6

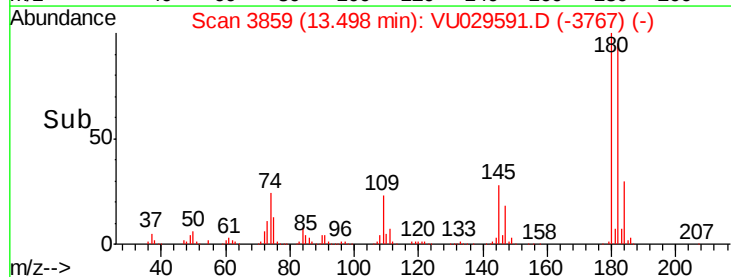
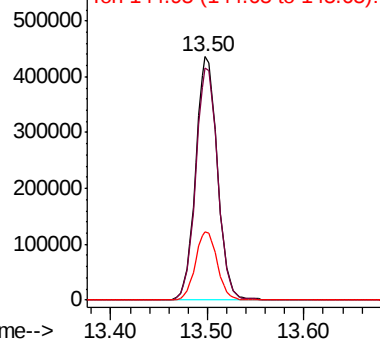


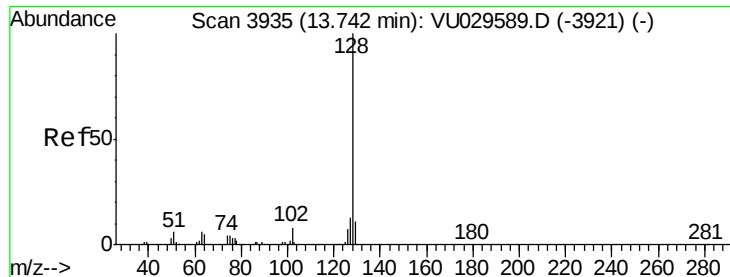
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 23.985 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD02050

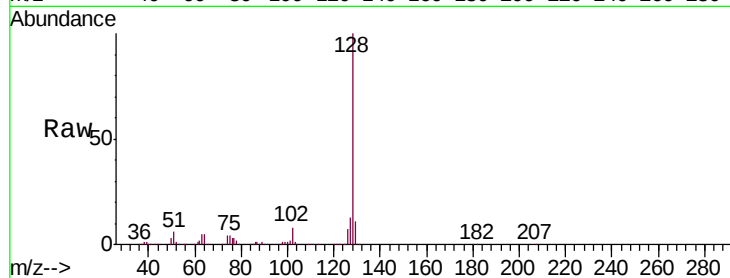
Tgt Ion:128 Resp: 1157891

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

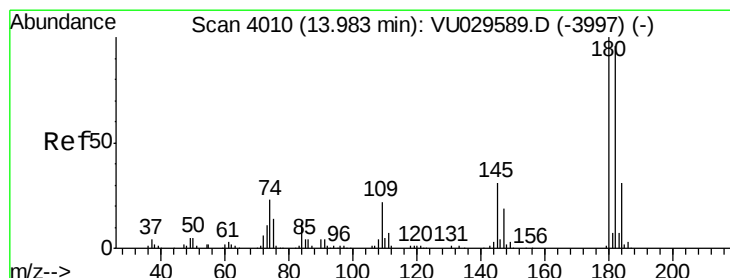
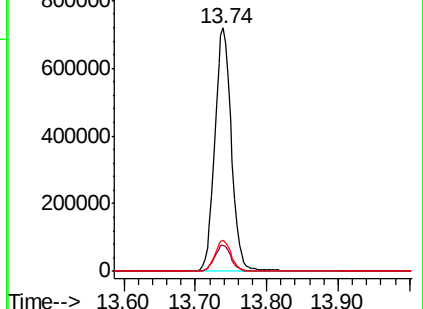
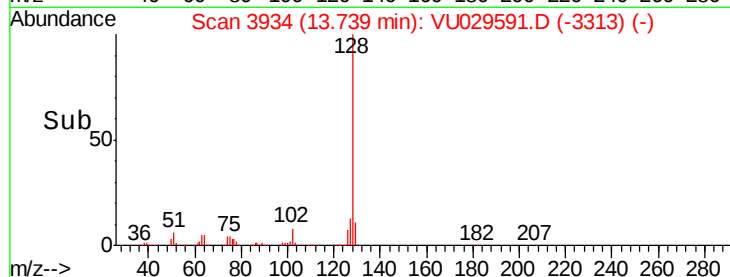
127 12.6 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 21.179 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029591.D

Acq: 21 Feb 2019 12:16

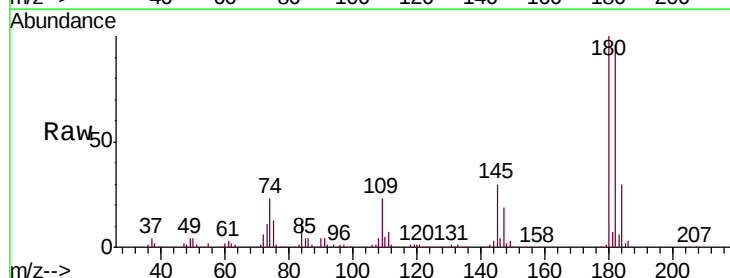
Tgt Ion:180 Resp: 619341

Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.4

145 30.3 24.2 36.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

