

Data File : VU029279.D
Acq On : 25 Jan 2019 10:31
Operator : JC/SP
Sample : VSTD00143
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

Quant Time: Jan 28 01:32:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jan 28 01:29:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	65728	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	65484	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	34110	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	5827	0.94	ug/L	0.00
7) Chloroethane-d5	1.68	69	4284	0.93	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	10683	0.97	ug/L	0.00
20) 2-Butanone-d5	4.20	46	11821	9.21	ug/L	0.00
24) Chloroform-d	4.65	84	9432	0.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	5585	0.99	ug/L	0.00
32) Benzene-d6	5.34	84	17550	0.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	5230	0.94	ug/L	0.00
41) Toluene-d8	7.56	98	15621	0.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	2303	0.93	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	9317	8.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	4570	0.92	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	5969	0.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	9382	1.032 ug/L	100
3) Chloromethane	1.33	50	8386	1.051 ug/L	99
5) Vinyl chloride	1.40	62	8212	1.030 ug/L	98
6) Bromomethane	1.63	94	4290	0.999 ug/L	96
8) Chloroethane	1.70	64	4375	0.982 ug/L	91
9) Trichlorofluoromethane	1.89	101	11184	1.054 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5315	0.985 ug/L	96
12) 1,1-Dichloroethene	2.29	96	4940	0.994 ug/L	89
13) Acetone	2.34	43	10804	11.244 ug/L	95
14) Carbon disulfide	2.48	76	18097	1.051 ug/L	95
15) Methyl Acetate	2.62	43	2435	1.057 ug/L	# 89
16) Methylene chloride	2.70	84	6498	1.114 ug/L	91
17) Methyl tert-butyl Ether	3.01	73	13334	1.033 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	5621	1.042 ug/L	94
19) 1,1-Dichloroethane	3.44	63	10293	1.069 ug/L	94
21) 2-Butanone	4.29	43	13666	9.826 ug/L	98
22) cis-1,2-Dichloroethene	4.23	96	5312	0.979 ug/L	95
23) Bromochloromethane	4.55	128	2713	1.101 ug/L	88
25) Chloroform	4.67	83	10592	1.051 ug/L	95
27) 1,2-Dichloroethane	5.41	62	7131	1.033 ug/L	98
29) 1,1,1-Trichloroethane	4.92	97	9090	1.024 ug/L	94
30) Cyclohexane	4.99	56	7909	0.991 ug/L	97
31) Carbon tetrachloride	5.13	117	8057	1.064 ug/L	99
33) Benzene	5.39	78	21171	1.037 ug/L	100
34) Trichloroethene	6.19	95	5628	1.041 ug/L	96
35) Methylcyclohexane	6.41	83	8895	1.029 ug/L	94
37) 1,2-Dichloropropane	6.43	63	5688	1.055 ug/L	# 94
38) Bromodichloromethane	6.76	83	7520	1.056 ug/L	# 98
39) cis-1,3-Dichloropropene	7.27	75	7718	0.996 ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	33566	10.319 ug/L	96

Data File : VU029279.D
Acq On : 25 Jan 2019 10:31
Operator : JC/SP
Sample : VSTD00143
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

Quant Time: Jan 28 01:32:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jan 28 01:29:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	22347	1.014	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	6486	0.963	ug/L	95
45) 1,1,2-Trichloroethane	8.07	97	4093	1.056	ug/L	95
47) Tetrachloroethene	8.22	164	5072	1.069	ug/L	96
48) 2-Hexanone	8.37	43	22737	9.591	ug/L	97
49) Dibromochloromethane	8.48	129	5063	1.053	ug/L	95
50) 1,2-Dibromoethane	8.59	107	4044	1.079	ug/L	95
51) Chlorobenzene	9.12	112	15011	1.036	ug/L	96
52) Ethylbenzene	9.25	91	23506	0.972	ug/L	99
53) m,p-xylene	9.37	106	8869	0.965	ug/L	99
54) o-xylene	9.78	106	8220	0.940	ug/L	92
55) Styrene	9.79	104	13785	0.906	ug/L	99
56) Isopropylbenzene	10.17	105	22351	0.949	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	5217	1.033	ug/L	90
59) 1,2,3-Trichloropropane	10.49	75	3804	1.024	ug/L	100
61) Bromoform	9.95	173	3079	1.083	ug/L	95
62) 1,3-Dichlorobenzene	11.42	146	11526	1.008	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	12431	1.020	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	11425	1.019	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.66	75	883	1.106	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.89	180	9846	1.022	ug/L	95
68) 1,2,4-trichlorobenzene	13.50	180	7858	0.974	ug/L	91
69) Naphthalene	13.74	128	11509	0.901	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.99	180	7230	0.963	ug/L	99

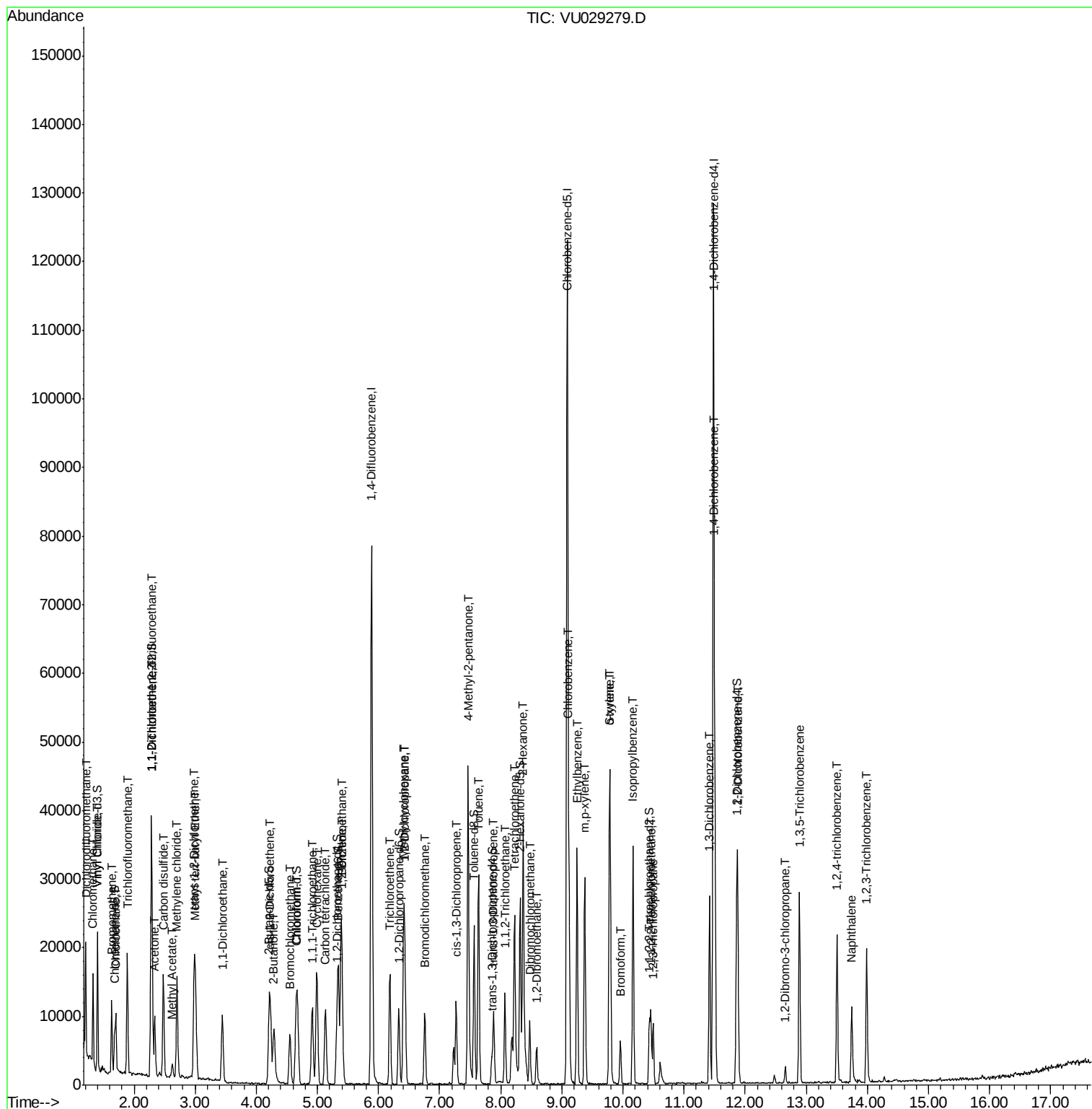
(#) = qualifier out of range (m) = manual integration (+) = signals summed

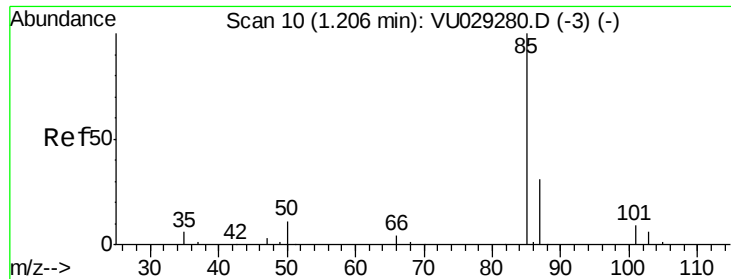
Data File : VU029279.D

```
Acq On       : 25 Jan 2019   10:31
Operator     : JC/SP
Sample       : VSTD00143
Misc         : 25.0mL/MSV0A_U/WATER
ALS Vial     : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

Quant Time: Jan 28 01:32:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jan 28 01:29:10 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.032 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

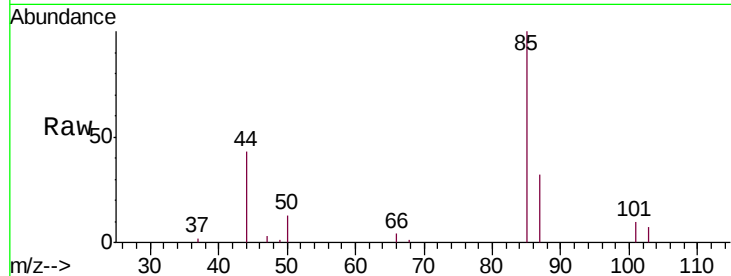
VSTD00143

Tgt Ion: 85 Resp: 9382

Ion Ratio Lower Upper

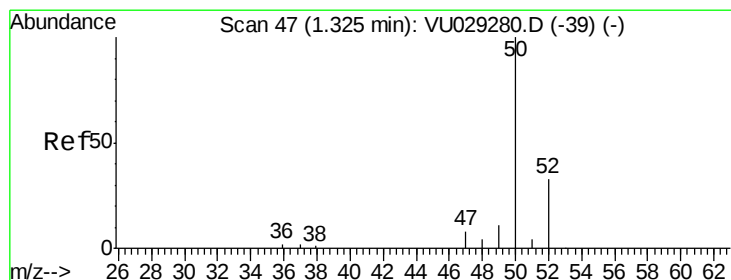
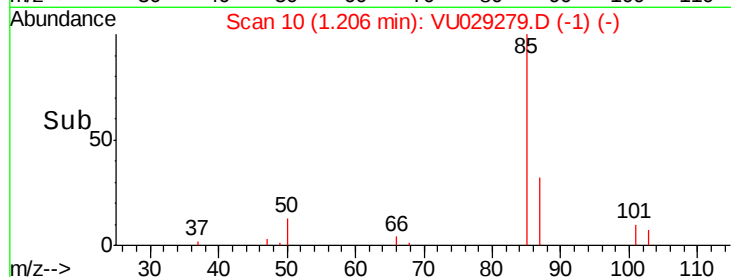
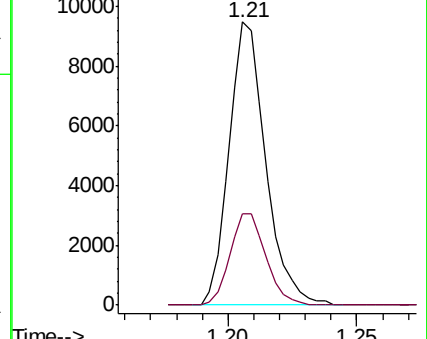
85 100

87 31.4 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 1.051 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029279.D

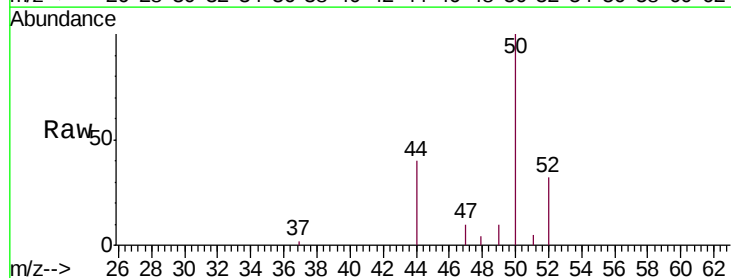
Acq: 25 Jan 2019 10:31

Tgt Ion: 50 Resp: 8386

Ion Ratio Lower Upper

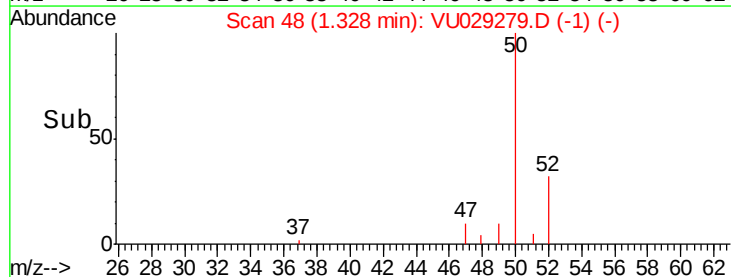
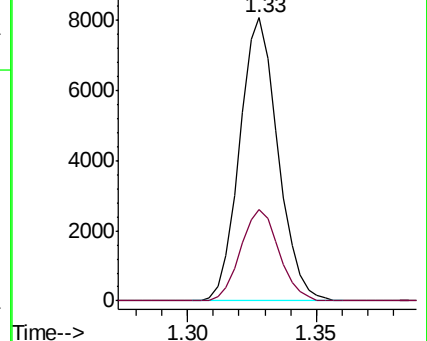
50 100

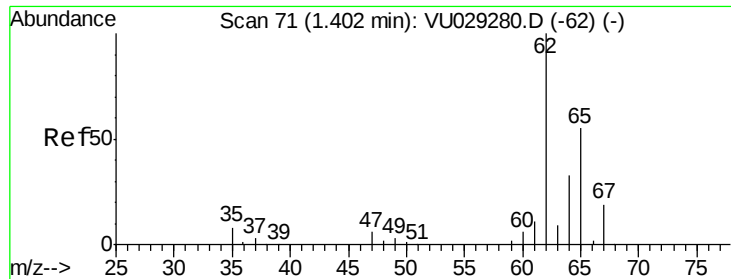
52 32.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 1.030 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

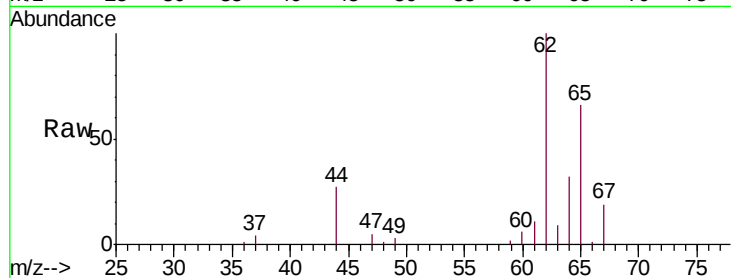
VSTD00143

Tgt Ion: 62 Resp: 8212

Ion Ratio Lower Upper

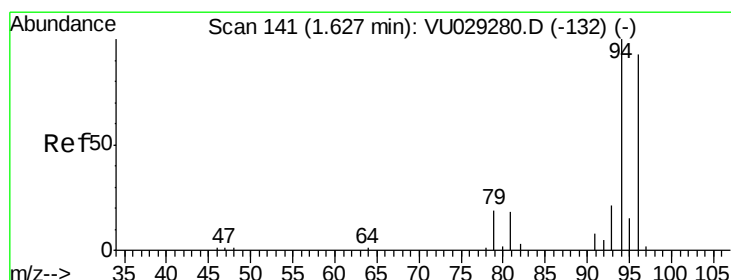
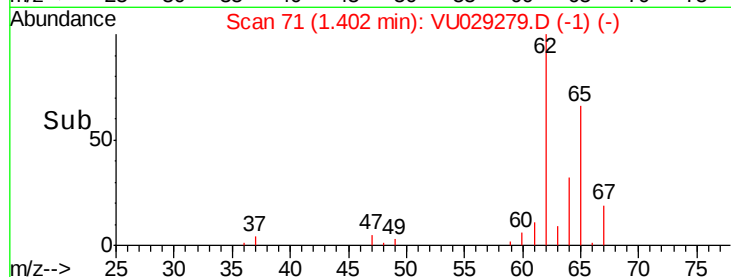
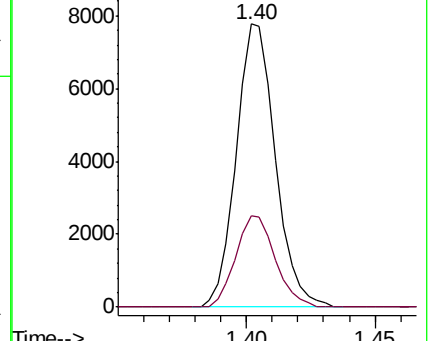
62 100

64 32.2 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.999 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.01 min

Lab File: VU029279.D

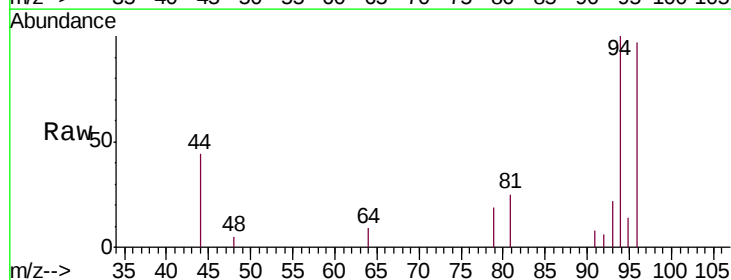
Acq: 25 Jan 2019 10:31

Tgt Ion: 94 Resp: 4290

Ion Ratio Lower Upper

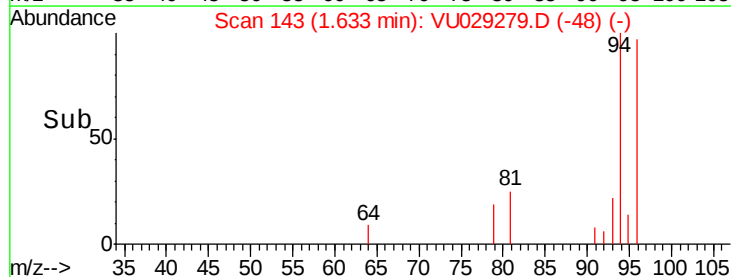
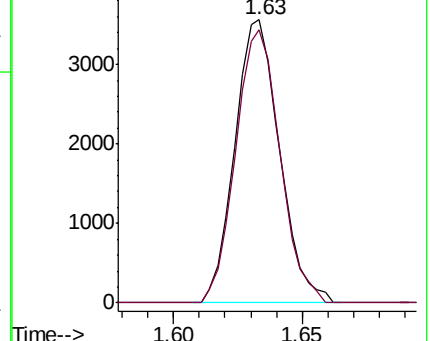
94 100

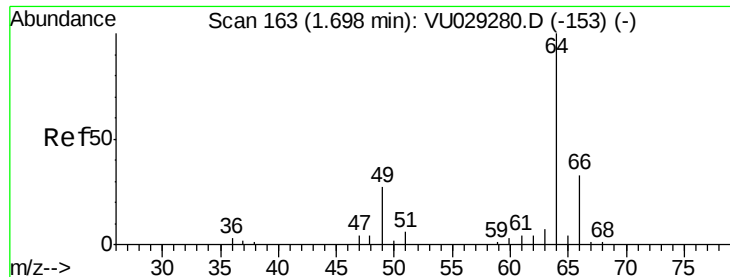
96 96.6 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.982 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

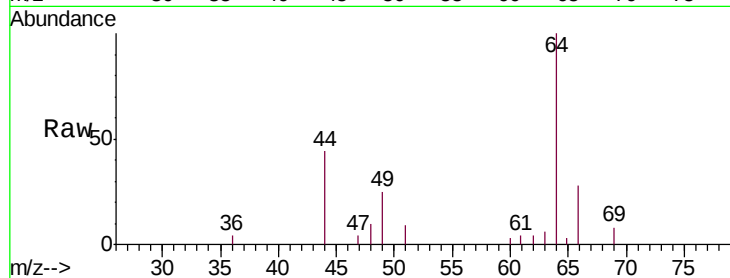
VSTD00143

Tgt Ion: 64 Resp: 4375

Ion Ratio Lower Upper

64 100

66 27.6 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU029280.D (-153) (-)

Ion 66.05 (65.75 to 66.75): VU029280.D (-153) (-)

1.70

4000

3000

2000

1000

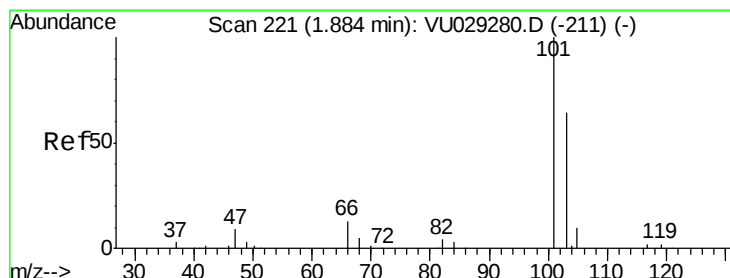
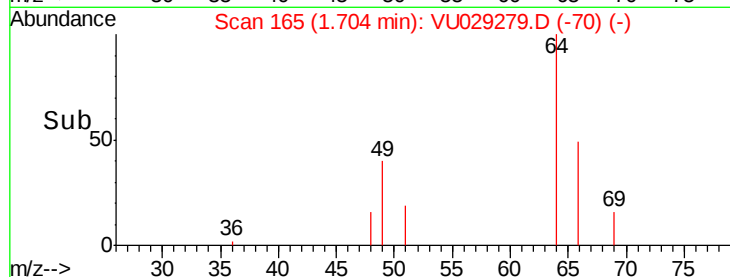
0

1.65

1.70

1.75

Time-->



#9

Trichlorofluoromethane

Concen: 1.054 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.01 min

Lab File: VU029279.D

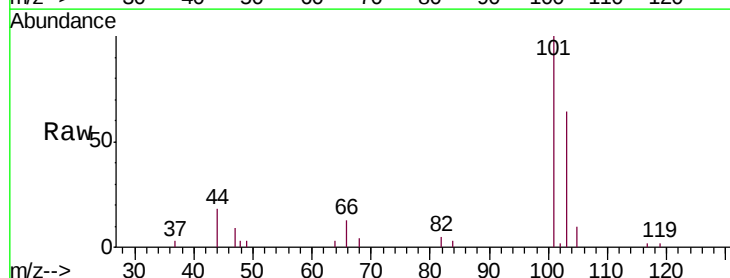
Acq: 25 Jan 2019 10:31

Tgt Ion: 101 Resp: 11184

Ion Ratio Lower Upper

101 100

103 63.2 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU029280.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU029280.D (-211) (-)

1.89

8000

6000

4000

2000

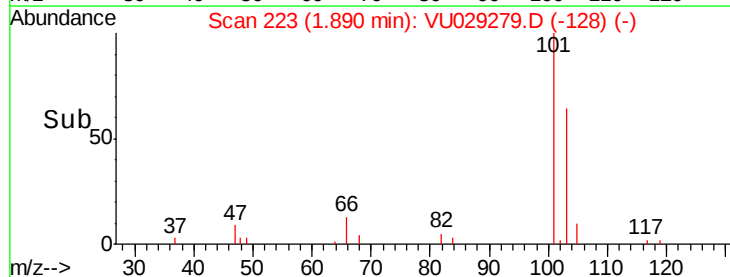
0

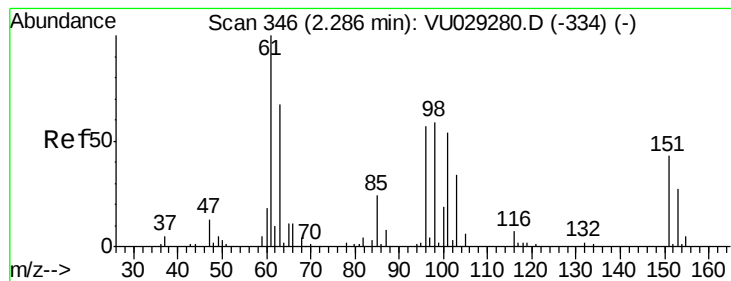
1.85

1.90

1.95

Time-->





#10

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

Concen: 0.985 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

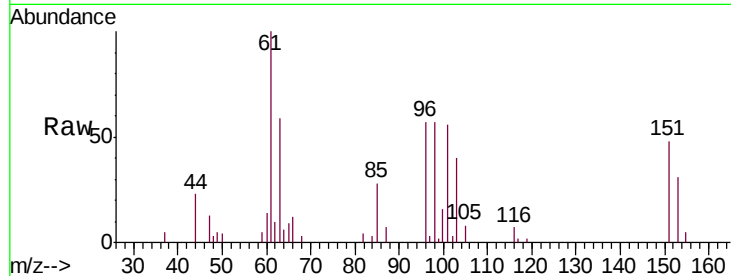
Tgt Ion: 101 Resp: 5315

Ion Ratio Lower Upper

101 100

85 48.4 36.2 54.2

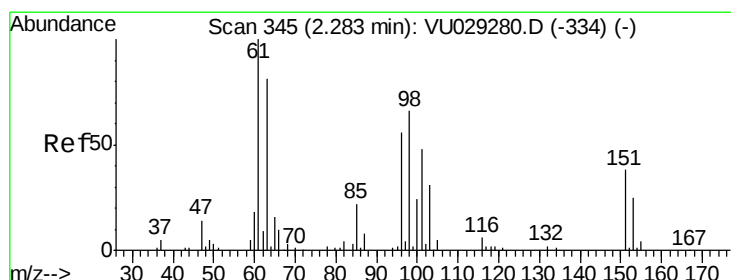
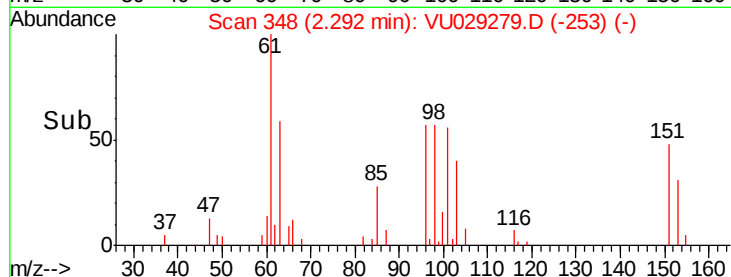
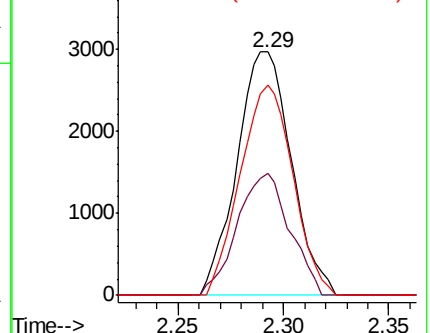
151 83.8 64.5 96.7



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: 0.994 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

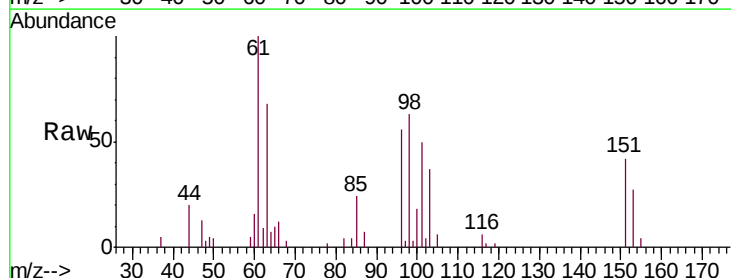
Tgt Ion: 96 Resp: 4940

Ion Ratio Lower Upper

96 100

61 178.0 125.4 233.0

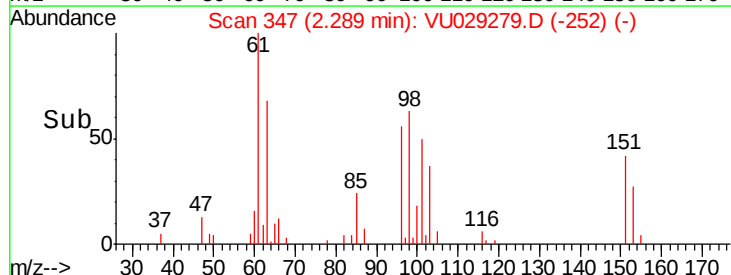
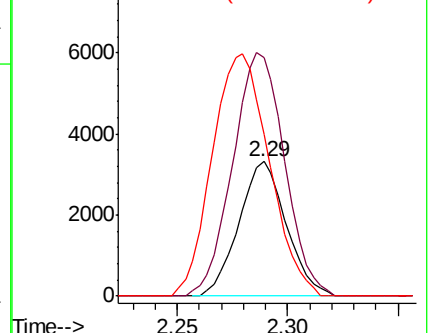
63 120.4 105.8 196.4

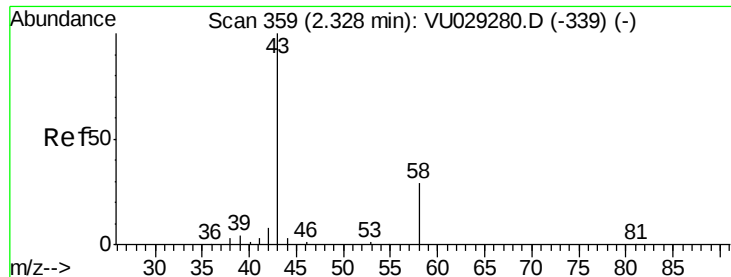


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.244 ug/L

RT: 2.34 min Scan# 362

Delta R.T. 0.01 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

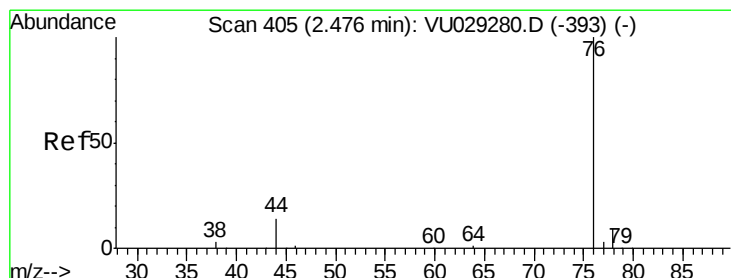
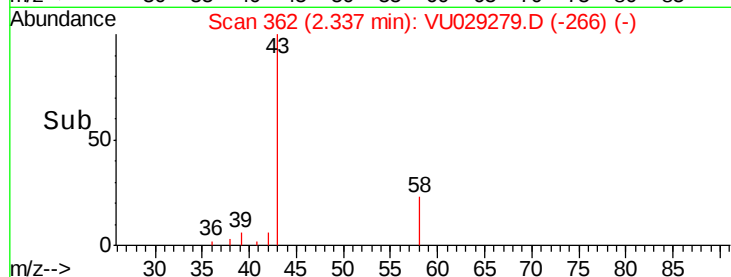
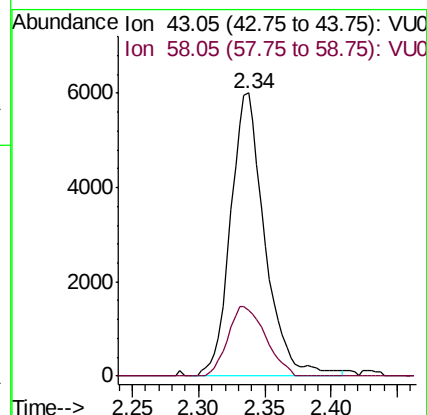
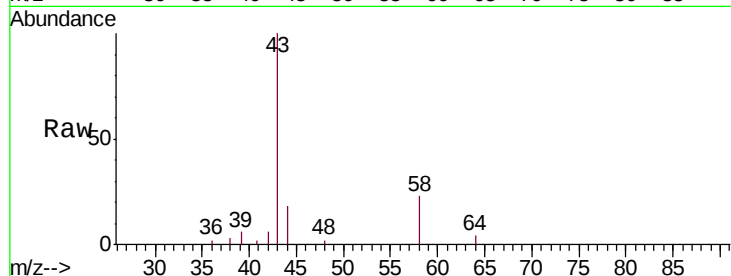
VSTD00143

Tgt Ion: 43 Resp: 10804

Ion Ratio Lower Upper

43 100

58 26.9 0.0 58.8



#14

Carbon disulfide

Concen: 1.051 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU029279.D

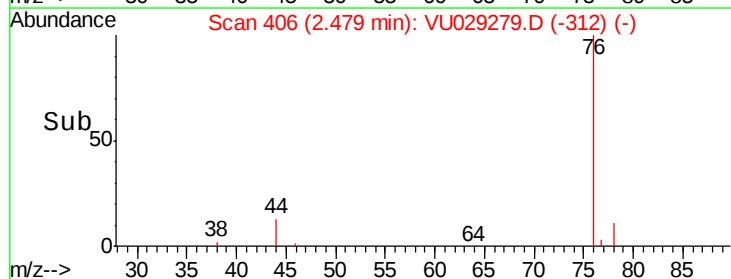
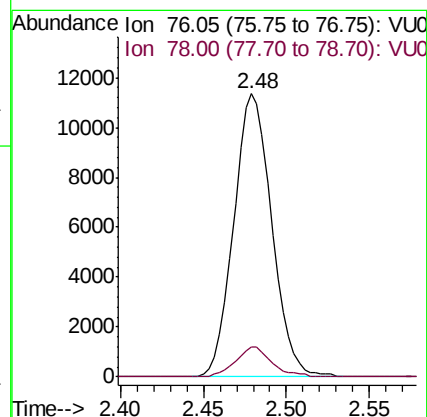
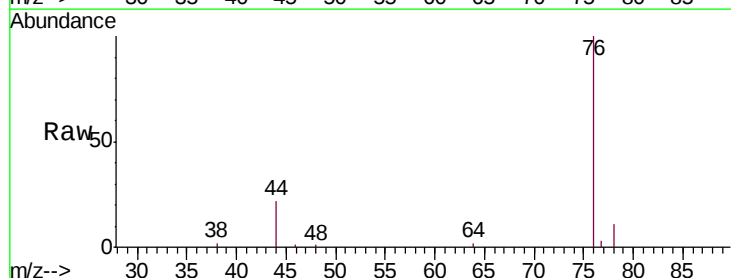
Acq: 25 Jan 2019 10:31

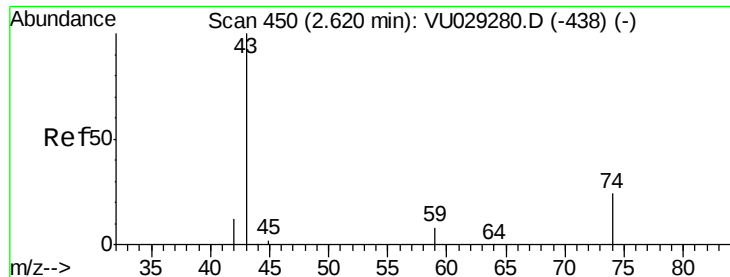
Tgt Ion: 76 Resp: 18097

Ion Ratio Lower Upper

76 100

78 10.5 7.1 10.7





#15

Methyl Acetate

Concen: 1.057 ug/L

RT: 2.62 min Scan# 451

Delta R.T. 0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

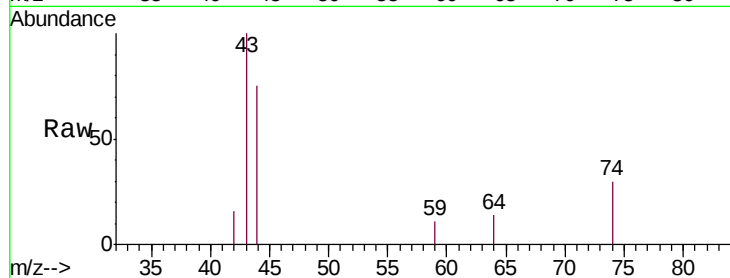
VSTD00143

Tgt Ion: 43 Resp: 2435

Ion Ratio Lower Upper

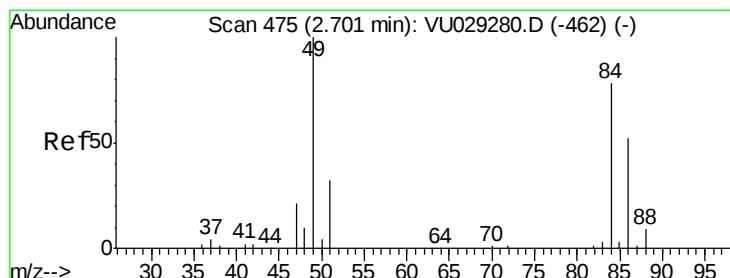
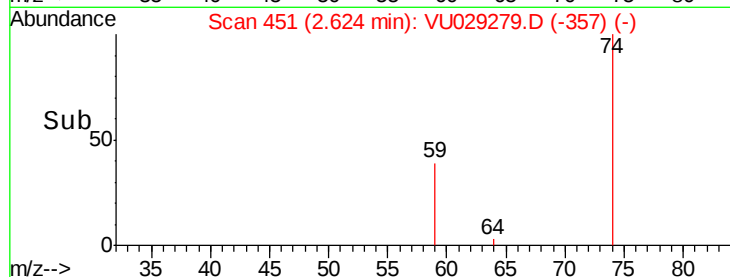
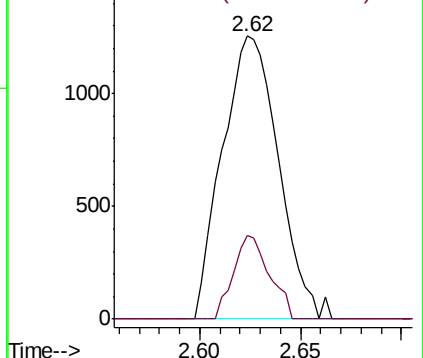
43 100

74 19.2 19.5 29.3#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 1.114 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

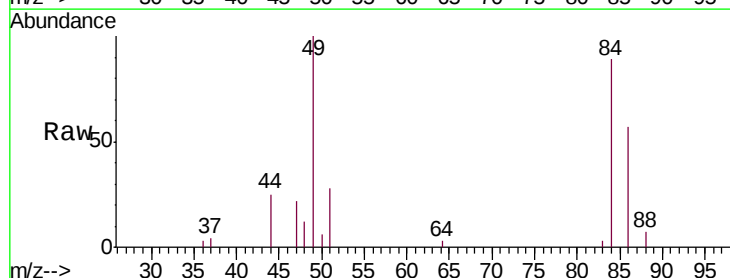
Tgt Ion: 84 Resp: 6498

Ion Ratio Lower Upper

84 100

86 63.9 46.1 85.7

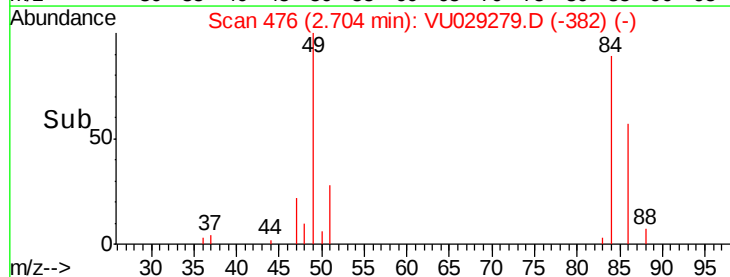
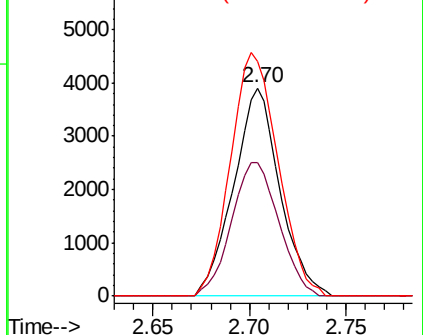
49 112.8 89.3 165.9

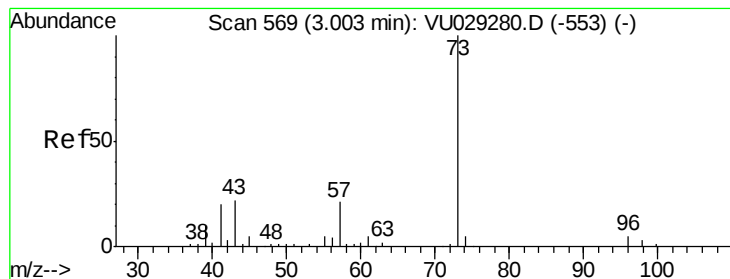


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



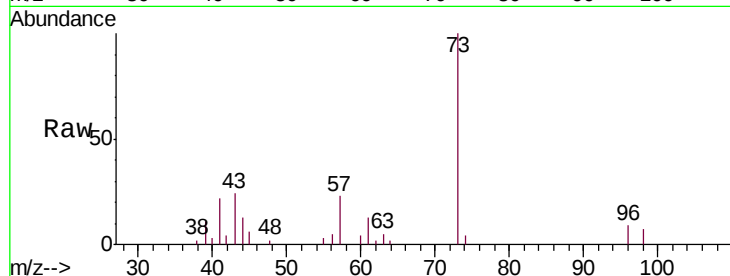


#17

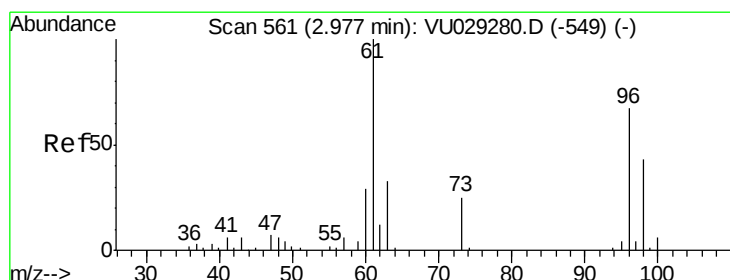
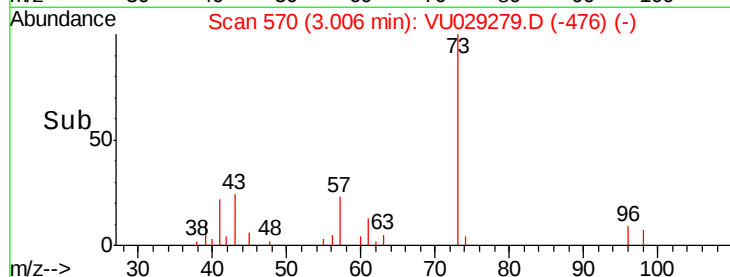
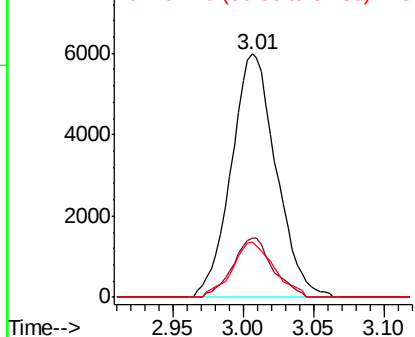
Methyl tert-butyl Ether
 Concen: 1.033 ug/L
 RT: 3.01 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion: 73 Resp: 13334
 Ion Ratio Lower Upper
 73 100
 43 21.7 17.4 26.2
 57 21.0 17.1 25.7



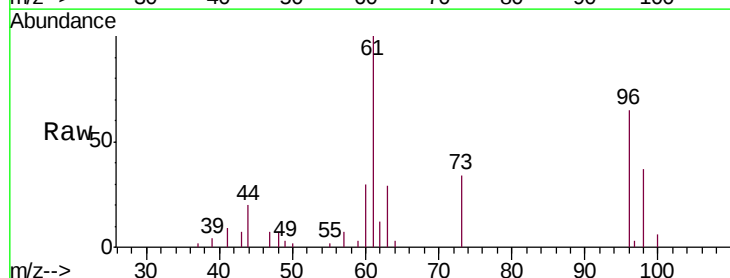
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



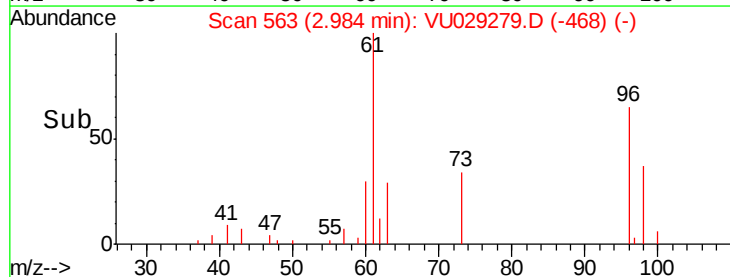
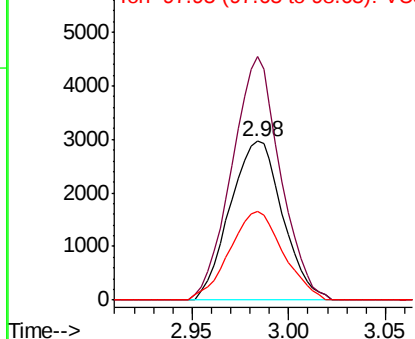
#18

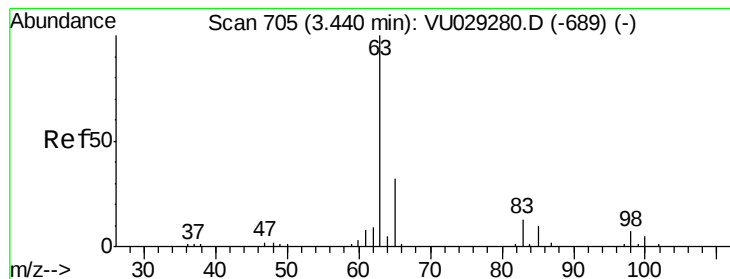
trans-1,2-Dichloroethene
 Concen: 1.042 ug/L
 RT: 2.98 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

Tgt Ion: 96 Resp: 5621
 Ion Ratio Lower Upper
 96 100
 61 153.5 104.4 194.0
 98 56.1 45.4 84.2



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: 1.069 ug/L

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

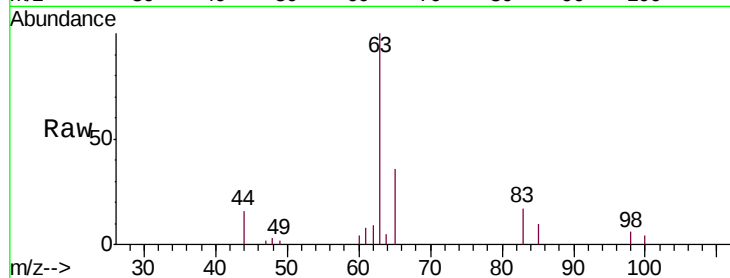
Tgt Ion: 63 Resp: 10293

Ion Ratio Lower Upper

63 100

65 35.5 22.7 42.1

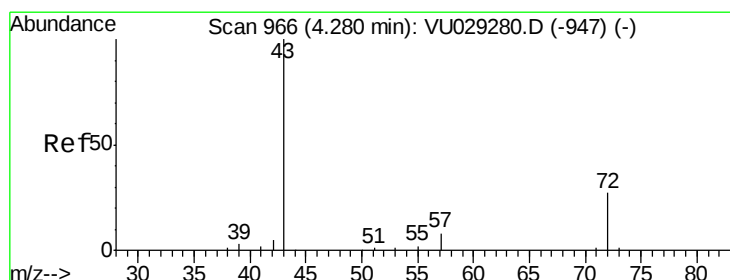
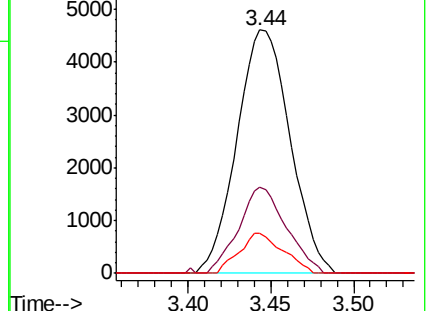
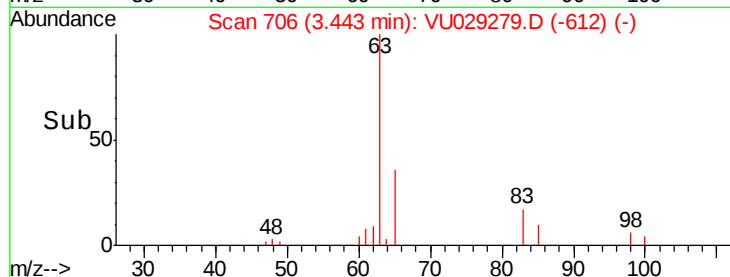
83 16.5 9.4 17.6



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: 9.826 ug/L

RT: 4.29 min Scan# 969

Delta R.T. 0.01 min

Lab File: VU029279.D

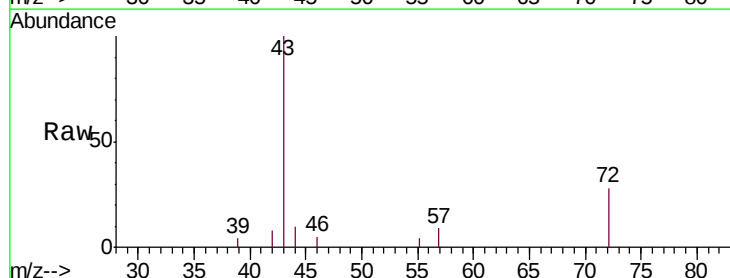
Acq: 25 Jan 2019 10:31

Tgt Ion: 43 Resp: 13666

Ion Ratio Lower Upper

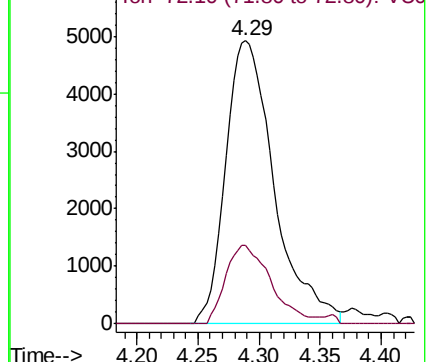
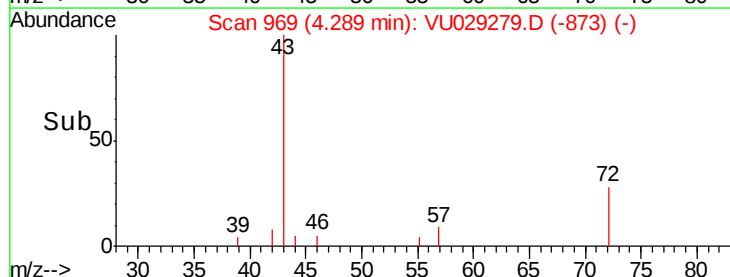
43 100

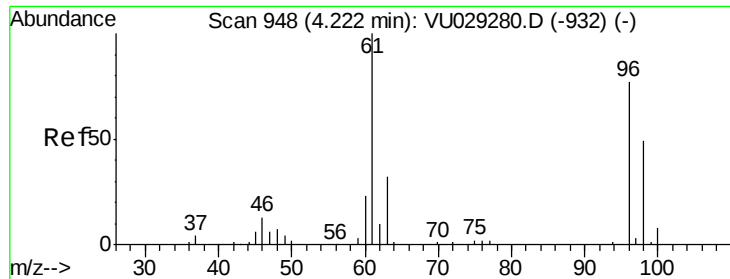
72 26.0 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0

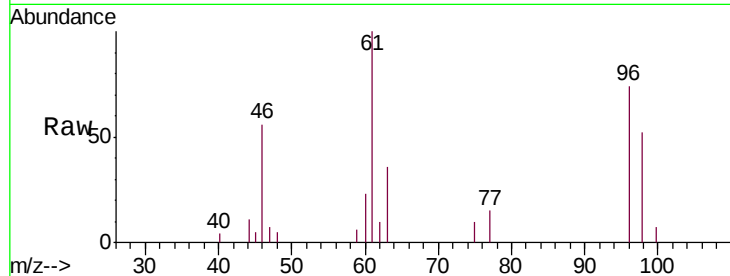




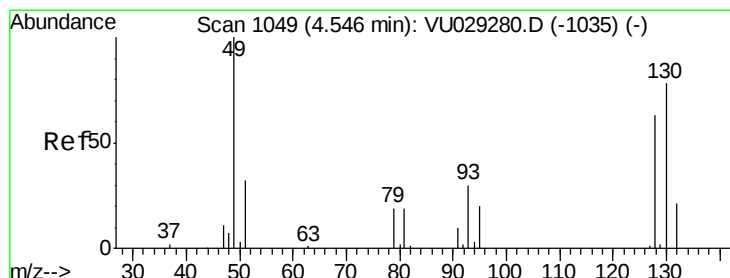
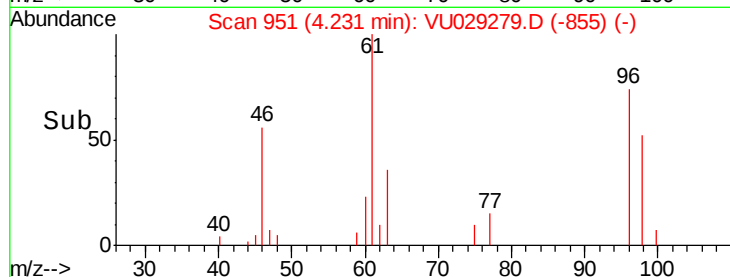
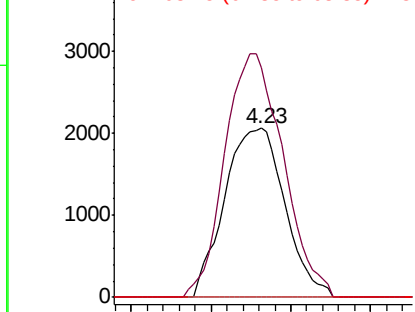
#22
 cis-1,2-Dichloroethene
 Concen: 0.979 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion: 96 Resp: 5312
 Ion Ratio Lower Upper
 96 100
 61 135.6 90.7 168.5
 68 0.0 0.0 0.0

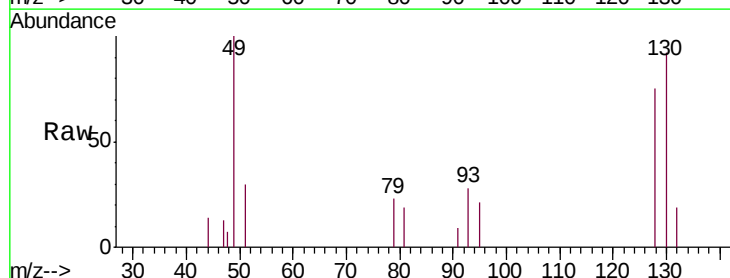


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

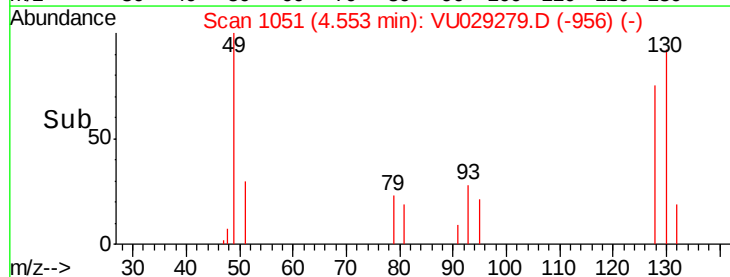
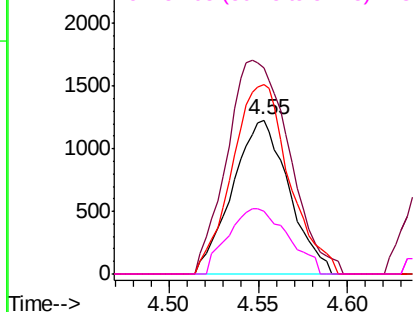


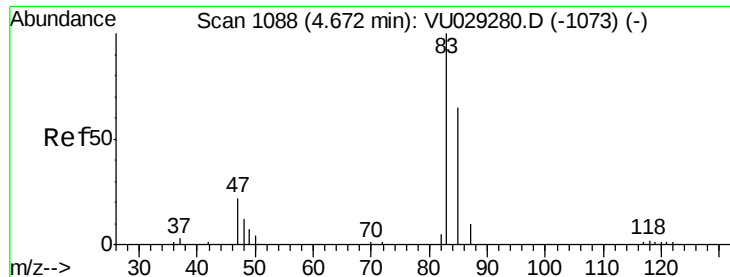
#23
 Bromochloromethane
 Concen: 1.101 ug/L
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

Tgt Ion: 128 Resp: 2713
 Ion Ratio Lower Upper
 128 100
 49 133.8 111.4 206.8
 130 122.9 87.1 161.7
 51 40.8 40.2 60.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

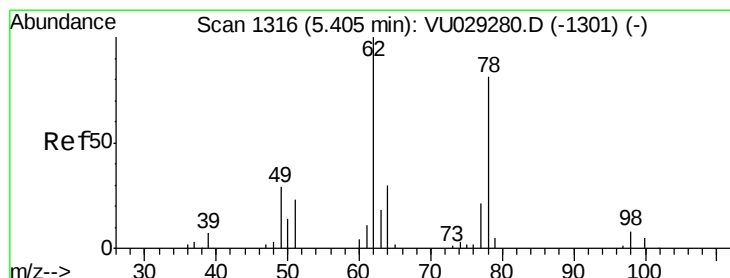
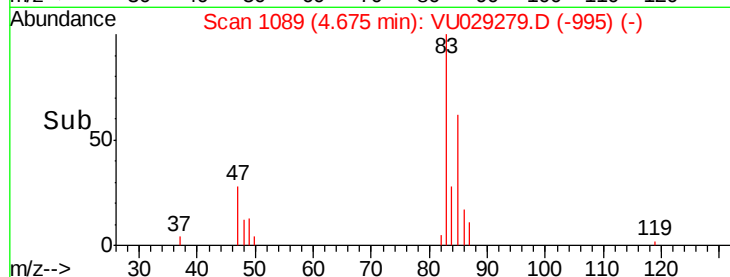
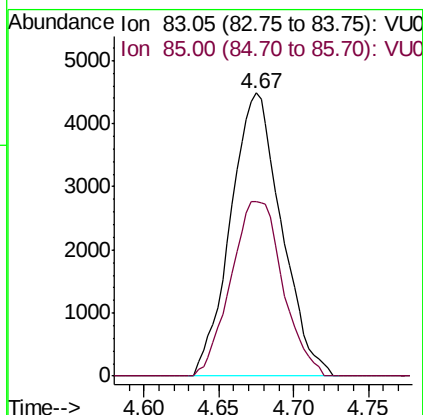
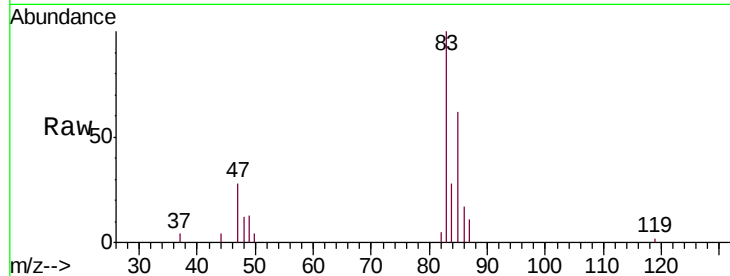




#25
Chloroform
Concen: 1.051 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU029279.D
Acq: 25 Jan 2019 10:31

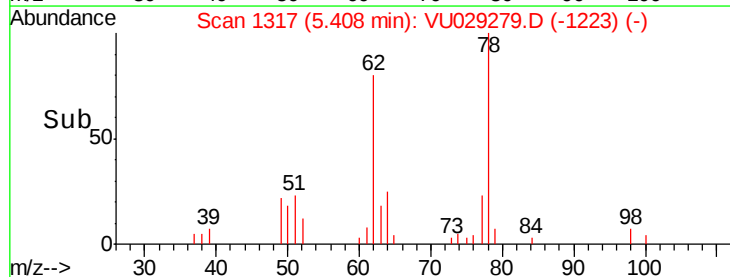
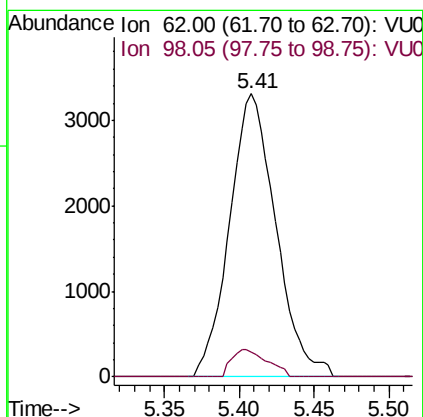
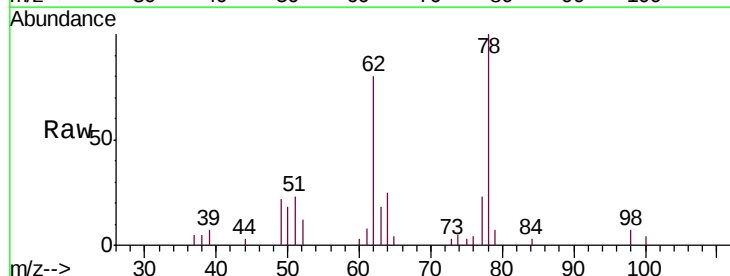
Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

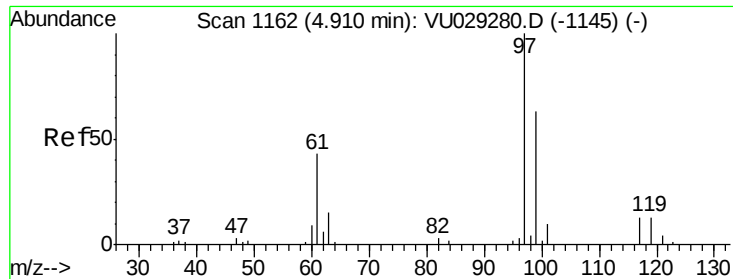
Tgt Ion: 83 Resp: 10592
Ion Ratio Lower Upper
83 100
85 61.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 1.033 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU029279.D
Acq: 25 Jan 2019 10:31

Tgt Ion: 62 Resp: 7131
Ion Ratio Lower Upper
62 100
98 8.9 6.6 10.0

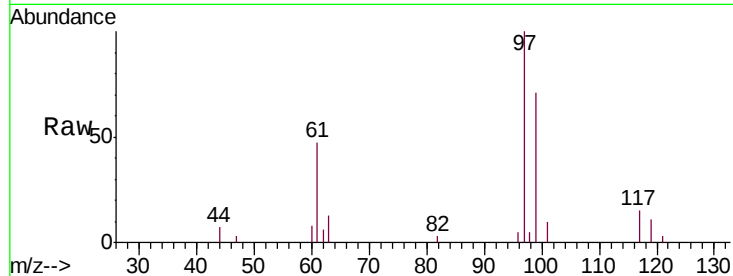




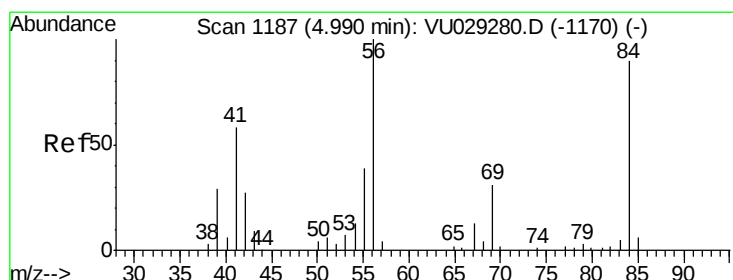
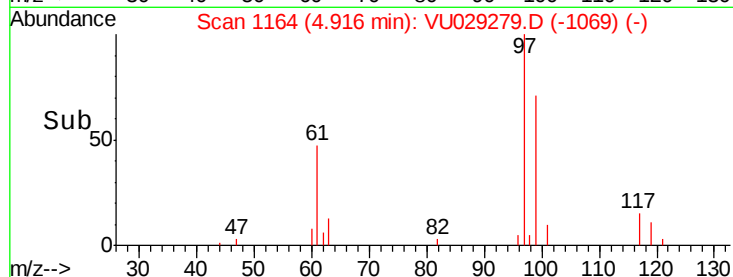
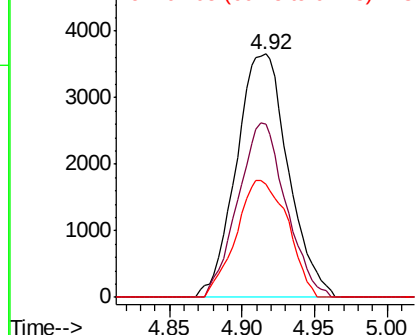
#29
1,1,1-Trichloroethane
Concen: 1.024 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.01 min
Lab File: VU029279.D
Acq: 25 Jan 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

Tgt Ion: 97 Resp: 9090
Ion Ratio Lower Upper
97 100
99 66.5 49.8 74.8
61 47.4 35.0 52.6

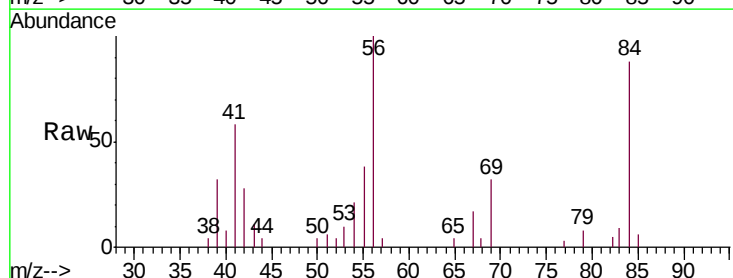


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

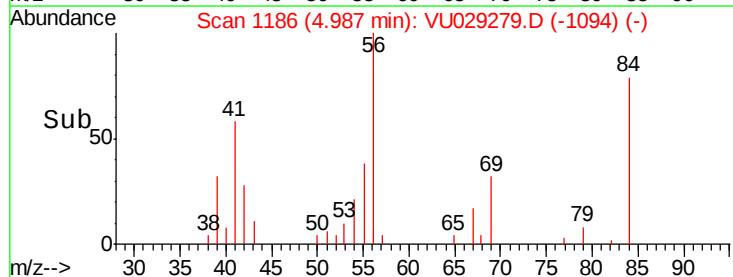
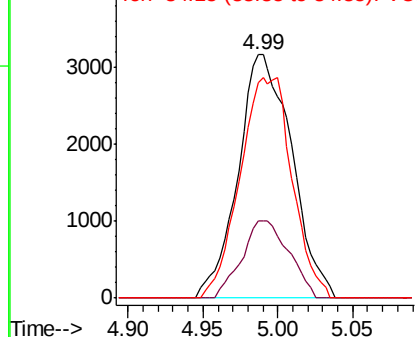


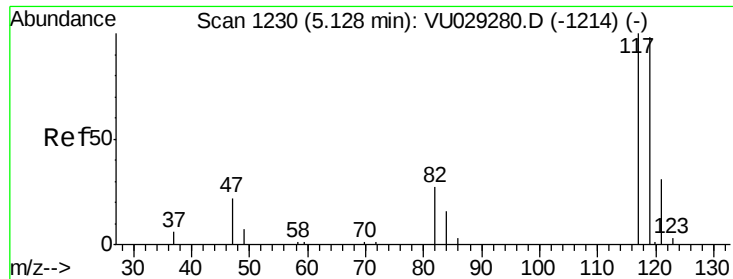
#30
Cyclohexane
Concen: 0.991 ug/L
RT: 4.99 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VU029279.D
Acq: 25 Jan 2019 10:31

Tgt Ion: 56 Resp: 7909
Ion Ratio Lower Upper
56 100
69 27.8 24.2 36.2
84 87.7 72.3 108.5



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: 1.064 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

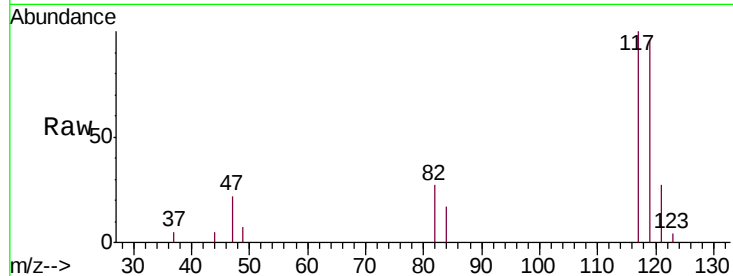
VSTD00143

Tgt Ion:117 Resp: 8057

Ion Ratio Lower Upper

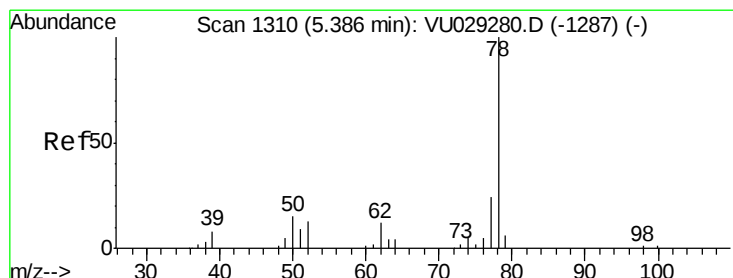
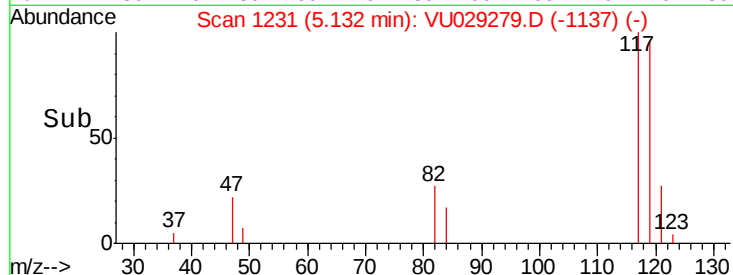
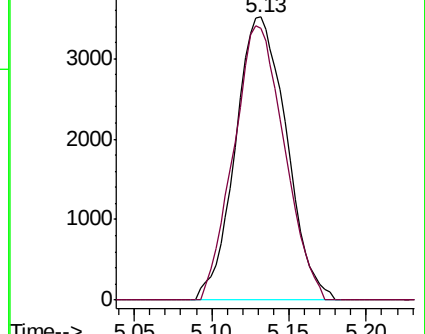
117 100

119 96.4 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.037 ug/L

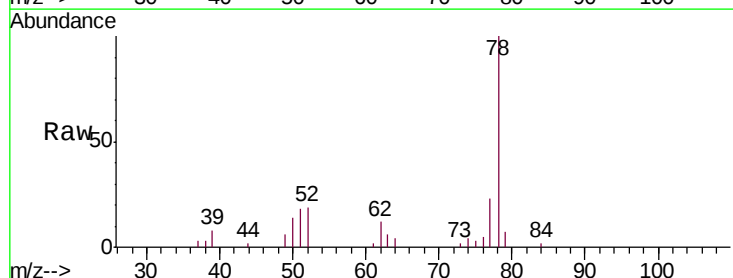
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

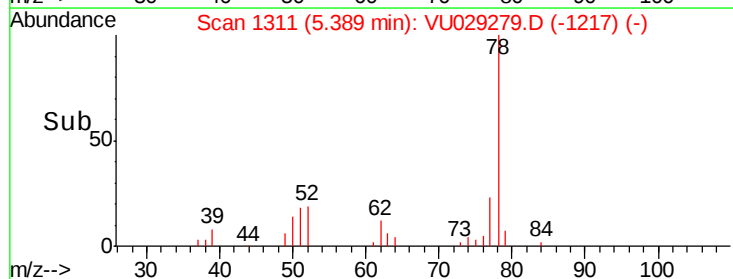
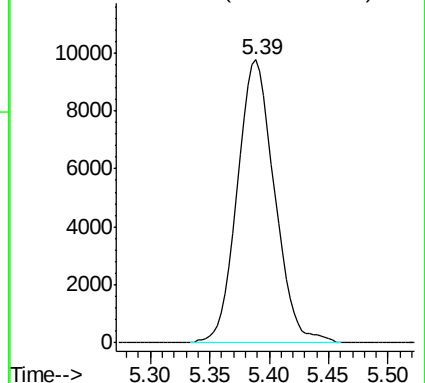
Lab File: VU029279.D

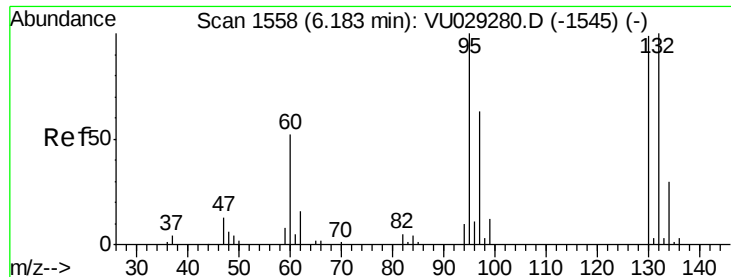
Acq: 25 Jan 2019 10:31

Tgt Ion: 78 Resp: 21171



Abundance Ion 78.10 (77.80 to 78.80): VU0

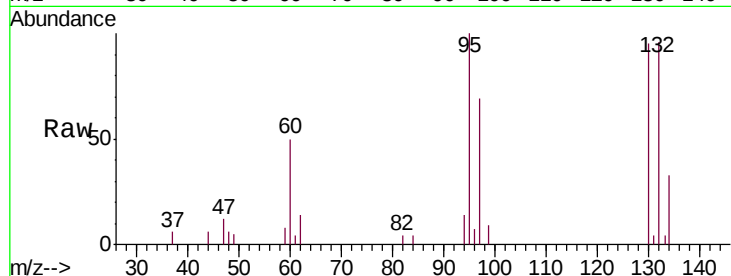




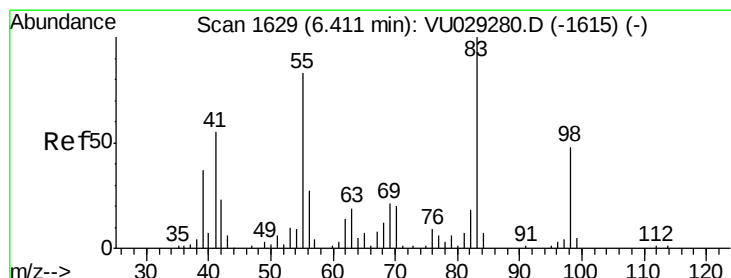
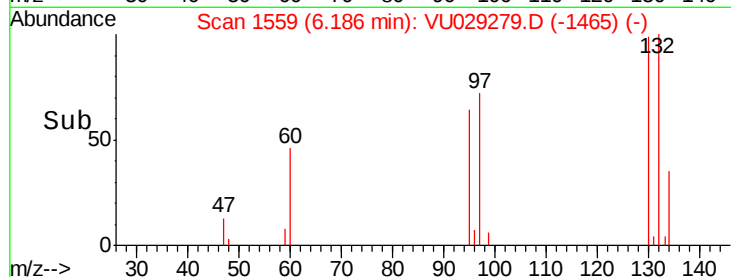
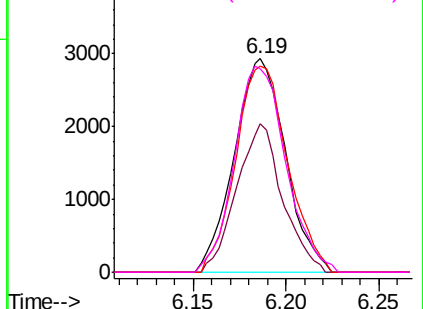
#34
 Trichloroethene
 Concen: 1.041 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion: 95 Resp: 5628
 Ion Ratio Lower Upper
 95 100
 97 69.2 44.3 82.3
 132 96.5 69.9 129.9
 130 95.3 69.2 128.4

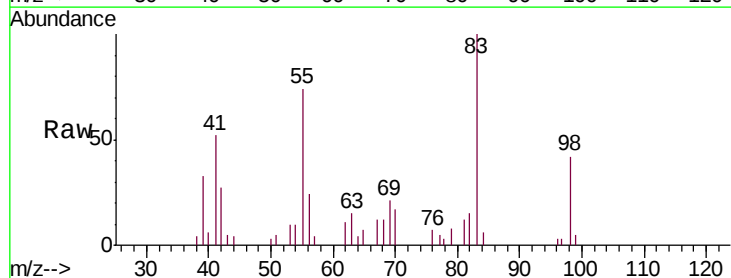


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

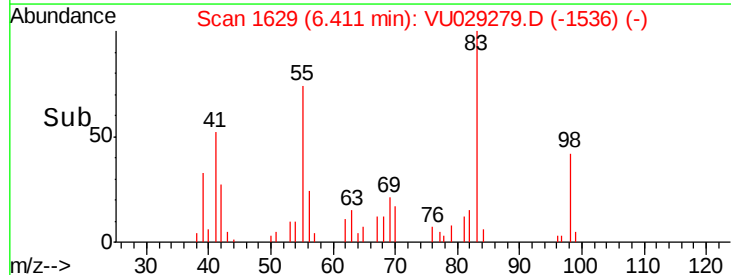
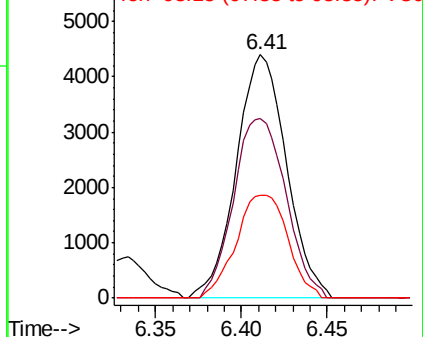


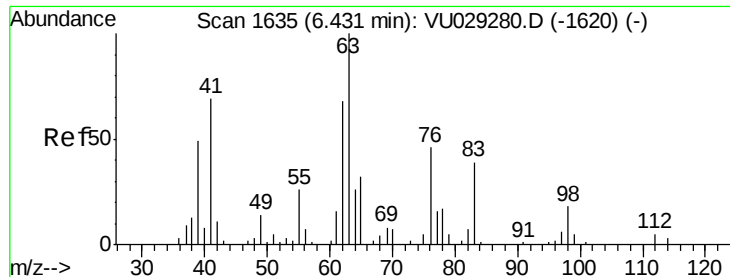
#35
 Methylcyclohexane
 Concen: 1.029 ug/L
 RT: 6.41 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

Tgt Ion: 83 Resp: 8895
 Ion Ratio Lower Upper
 83 100
 55 77.1 66.3 99.5
 98 43.7 37.9 56.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

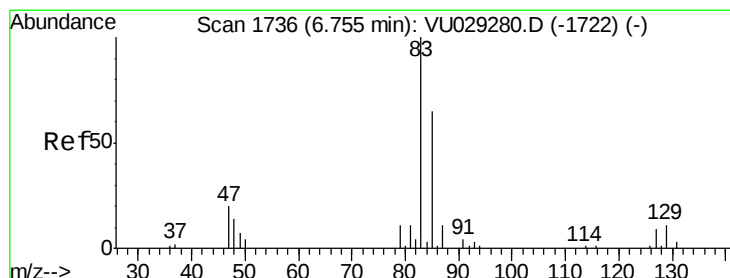
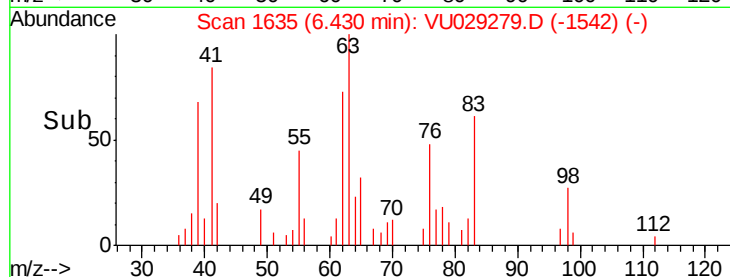
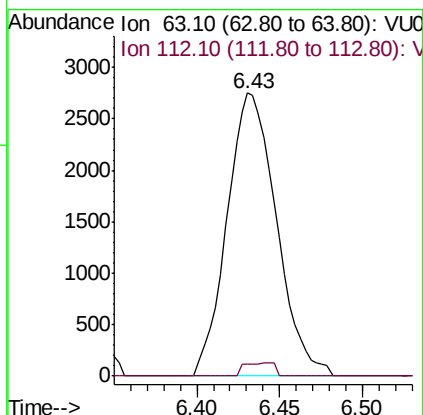
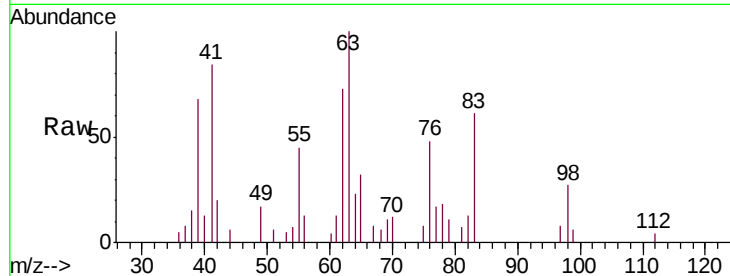




#37
 1,2-Dichloropropane
 Concen: 1.055 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

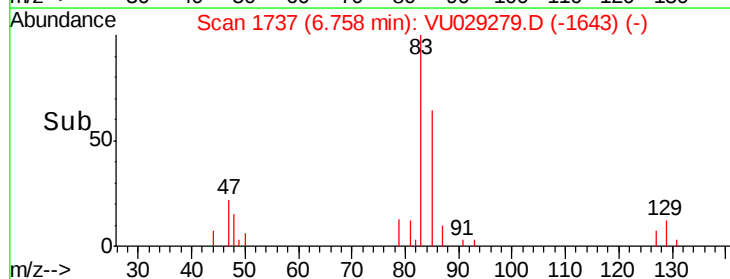
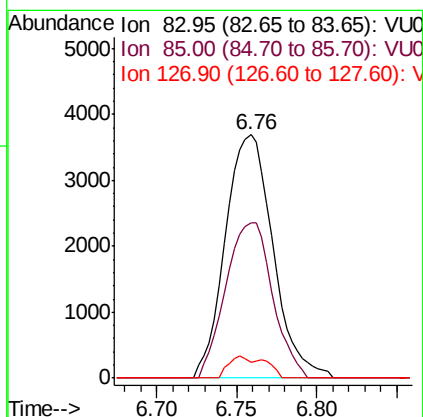
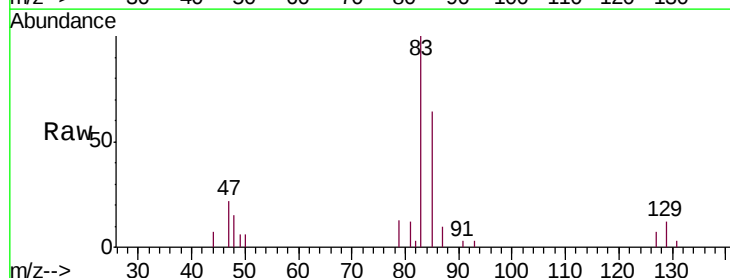
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

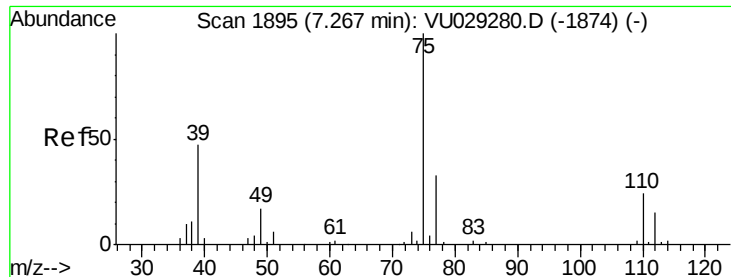
Tgt Ion: 63 Resp: 5688
 Ion Ratio Lower Upper
 63 100
 112 2.9 3.9 5.9#



#38
 Bromodichloromethane
 Concen: 1.056 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

Tgt Ion: 83 Resp: 7520
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.3 84.1
 127 6.7 7.1 10.7#

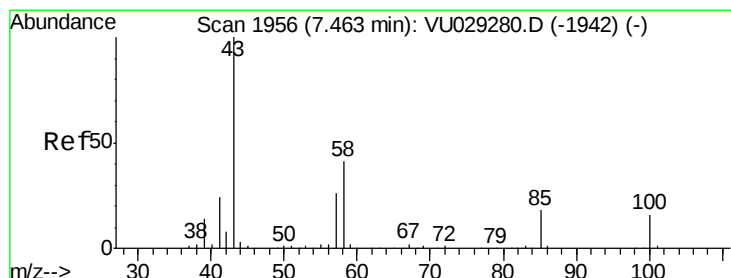
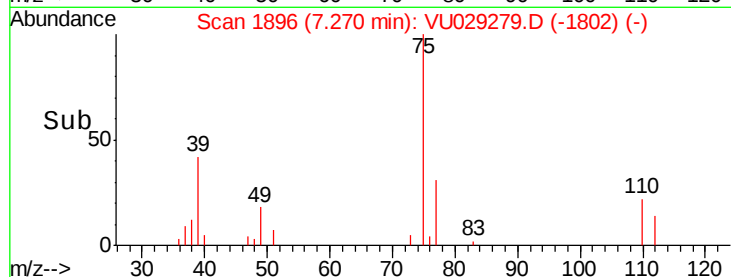
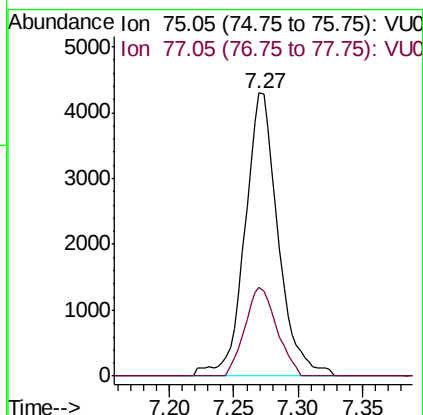
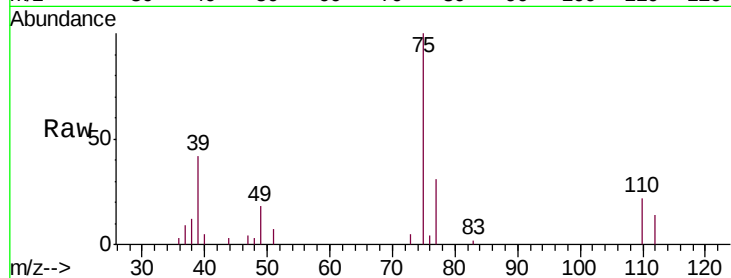




#39
 cis-1,3-Dichloropropene
 Concen: 0.996 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

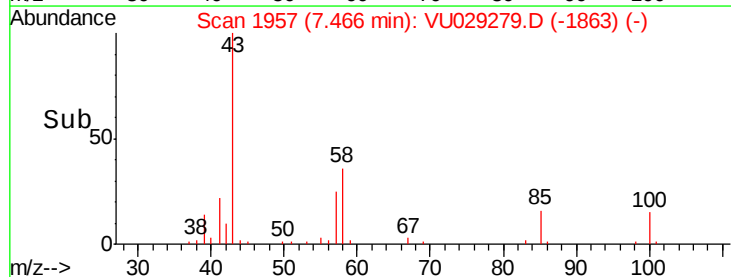
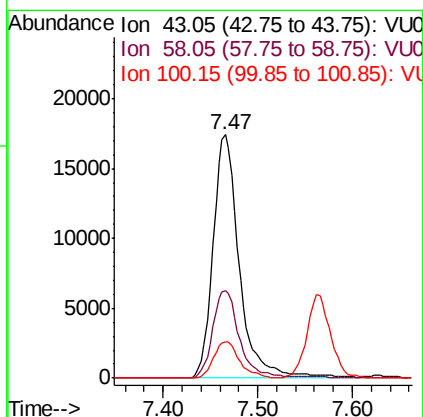
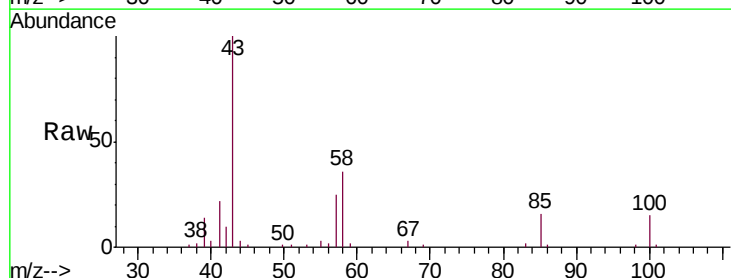
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

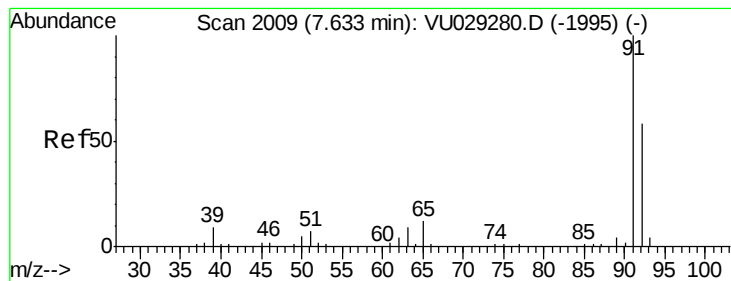
Tgt Ion: 75 Resp: 7718
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 10.319 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

Tgt Ion: 43 Resp: 33566
 Ion Ratio Lower Upper
 43 100
 58 36.4 31.8 47.6
 100 14.8 12.4 18.6





#42

Toluene

Concen: 1.014 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

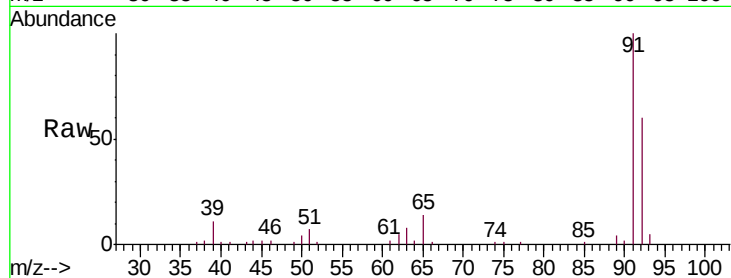
VSTD00143

Tgt Ion: 91 Resp: 22347

Ion Ratio Lower Upper

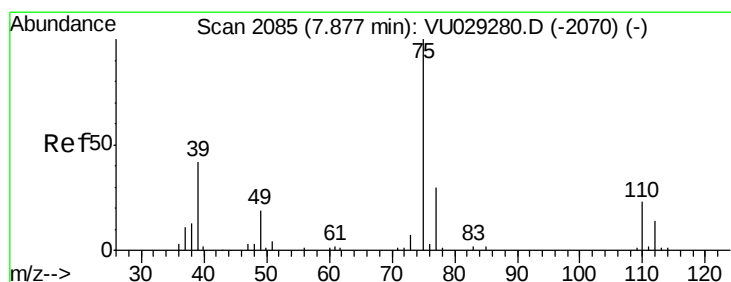
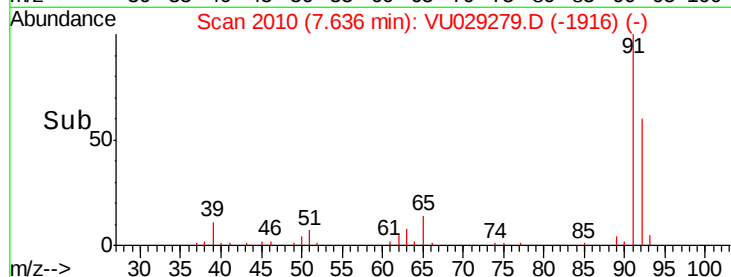
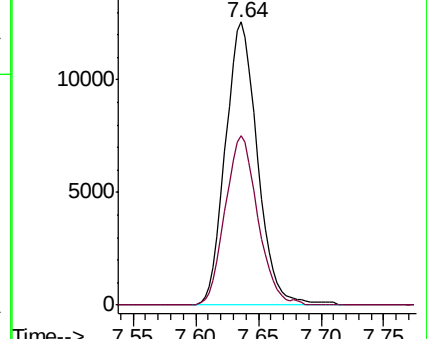
91 100

92 60.1 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.963 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU029279.D

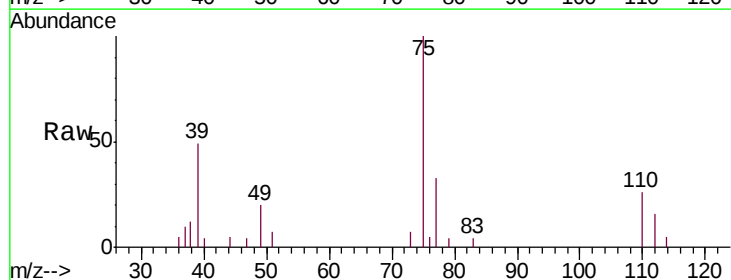
Acq: 25 Jan 2019 10:31

Tgt Ion: 75 Resp: 6486

Ion Ratio Lower Upper

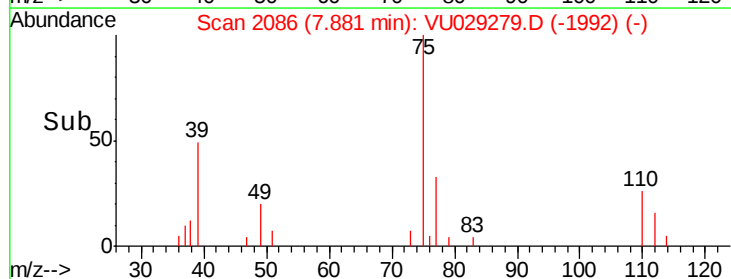
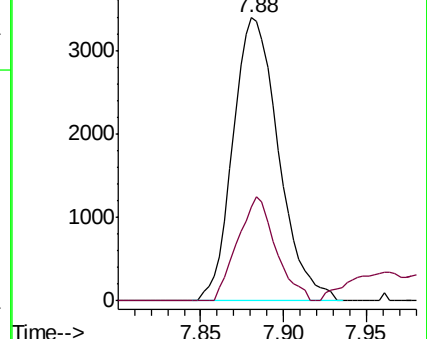
75 100

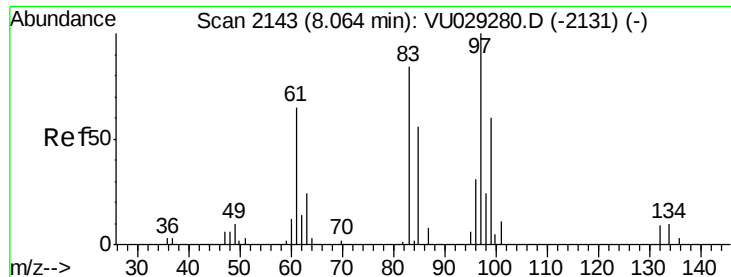
77 33.0 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

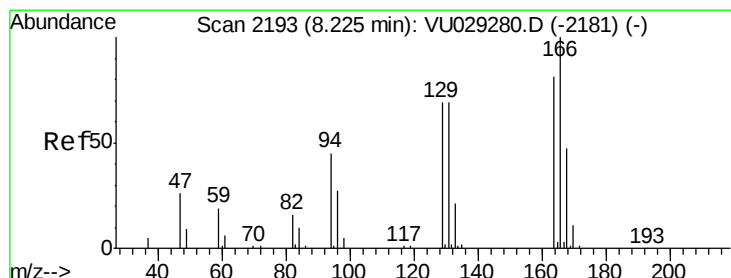
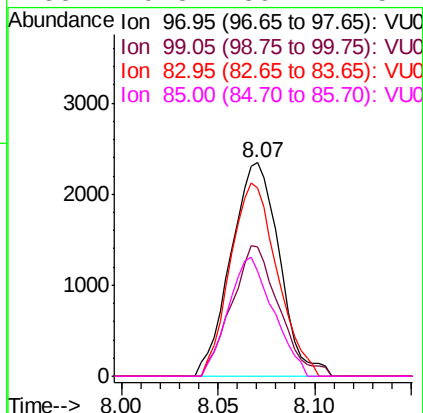
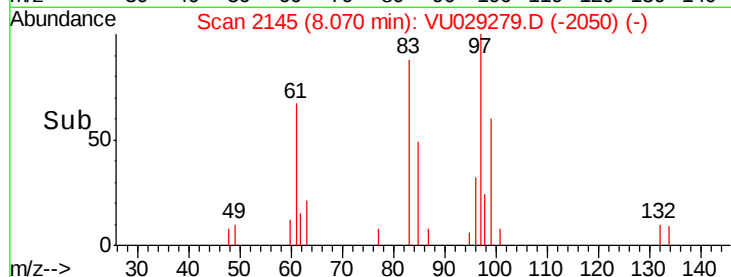
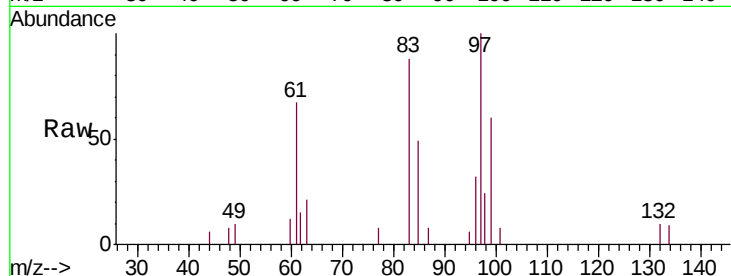




#45
 1,1,2-Trichloroethane
 Concen: 1.056 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.01 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

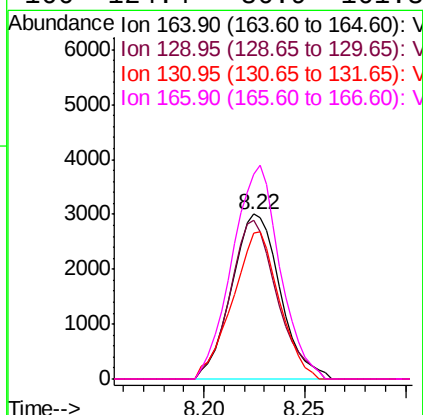
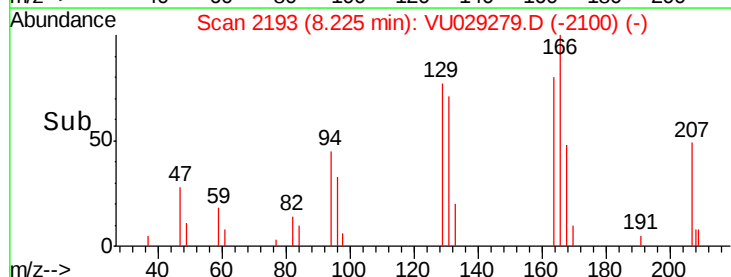
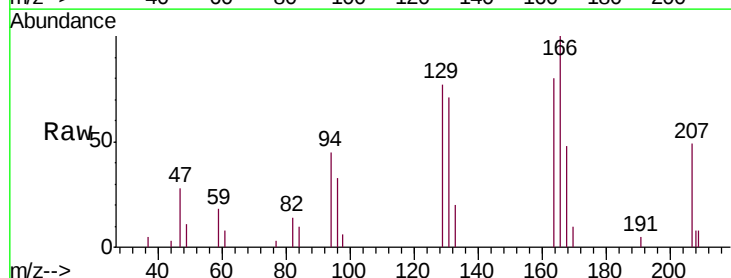
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

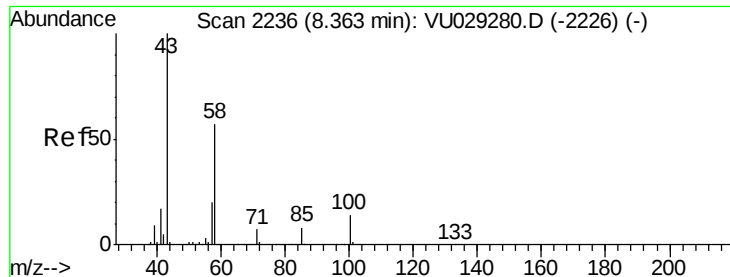
Tgt Ion:	97	Resp:	4093
Ion	Ratio	Lower	Upper
97	100		
99	60.3	42.1	78.3
83	88.4	58.7	108.9
85	49.3	39.4	73.2



#47
 Tetrachloroethene
 Concen: 1.069 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

Tgt Ion:	164	Resp:	5072
Ion	Ratio	Lower	Upper
164	100		
129	96.1	60.1	111.7
131	88.3	59.9	111.3
166	124.4	86.9	161.3

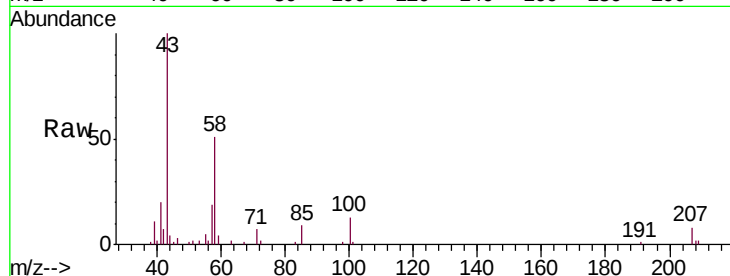




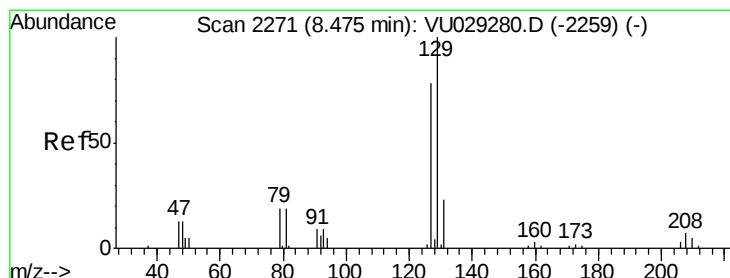
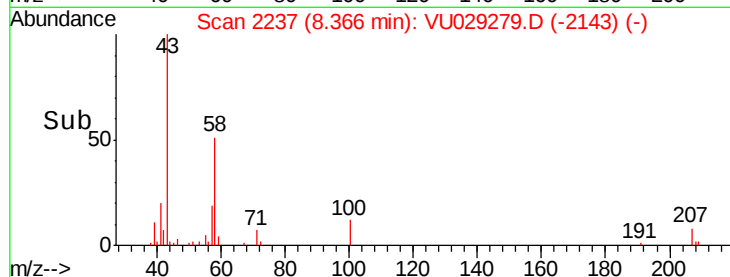
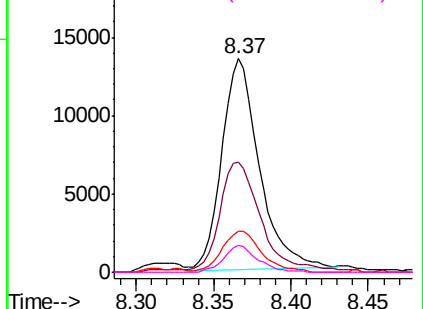
#48
2-Hexanone
Concen: 9.591 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU029279.D
Acq: 25 Jan 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

Tgt Ion: 43 Resp: 22737
Ion Ratio Lower Upper
43 100
58 58.1 44.2 66.2
57 20.5 15.4 23.2
100 11.4 10.0 15.0

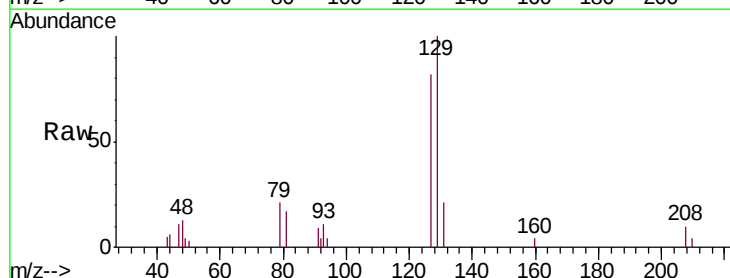


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

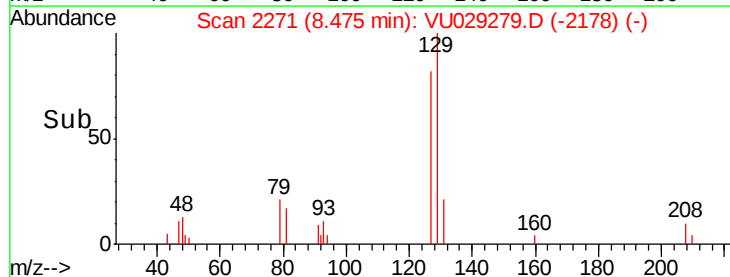
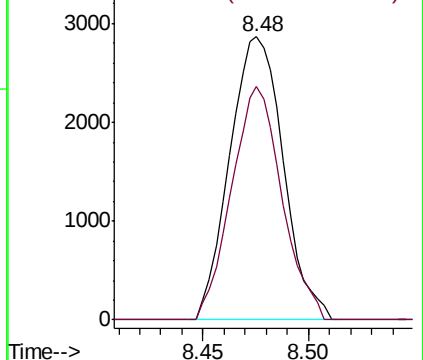


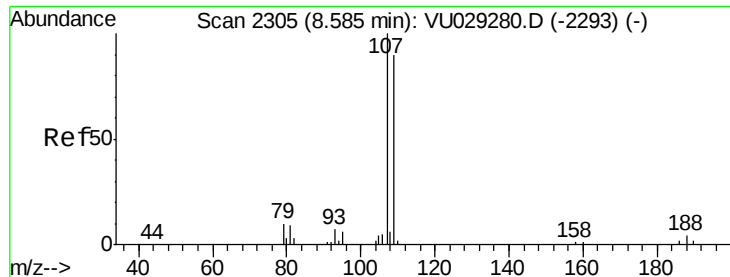
#49
Dibromochloromethane
Concen: 1.053 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU029279.D
Acq: 25 Jan 2019 10:31

Tgt Ion: 129 Resp: 5063
Ion Ratio Lower Upper
129 100
127 82.3 54.7 101.7



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

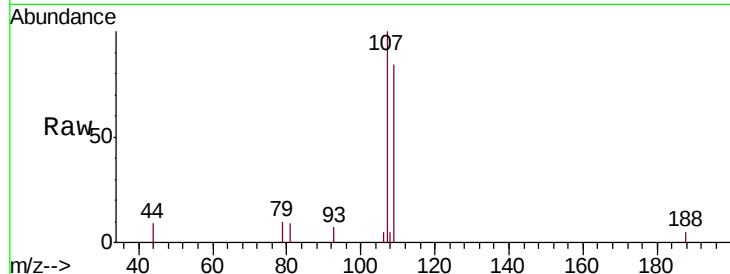




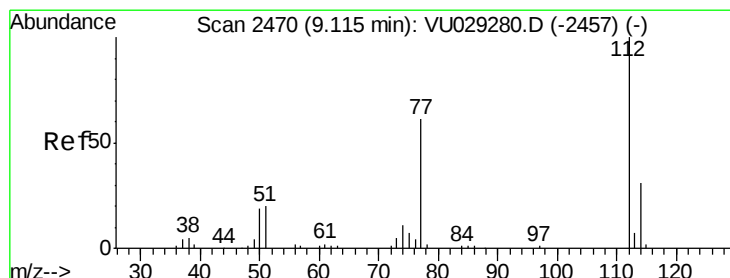
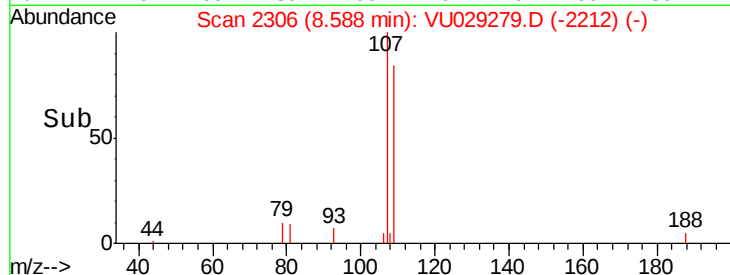
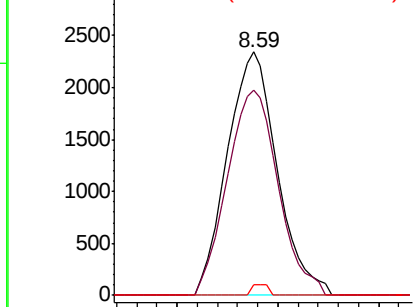
#50
1,2-Dibromoethane
Concen: 1.079 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU029279.D
Acq: 25 Jan 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

Tgt Ion:107 Resp: 4044
Ion Ratio Lower Upper
107 100
109 84.4 62.7 116.5
188 4.7 3.4 5.0

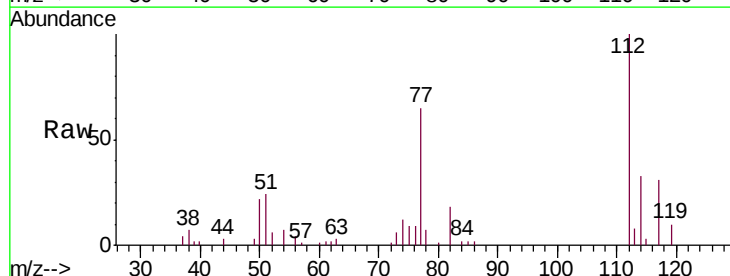


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

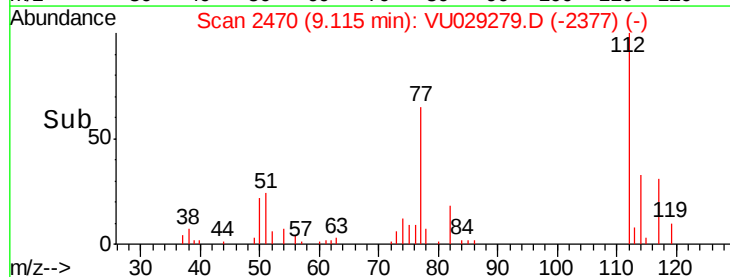
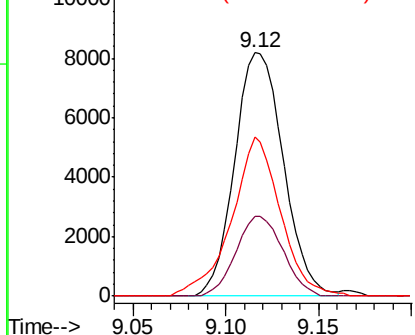


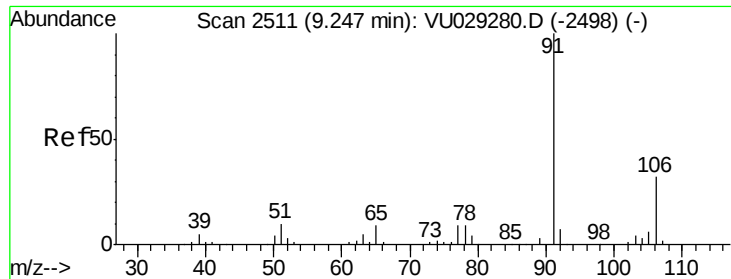
#51
Chlorobenzene
Concen: 1.036 ug/L
RT: 9.12 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VU029279.D
Acq: 25 Jan 2019 10:31

Tgt Ion:112 Resp: 15011
Ion Ratio Lower Upper
112 100
114 32.7 22.0 40.8
77 65.1 49.0 73.4



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





#52

Ethylbenzene

Concen: 0.972 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

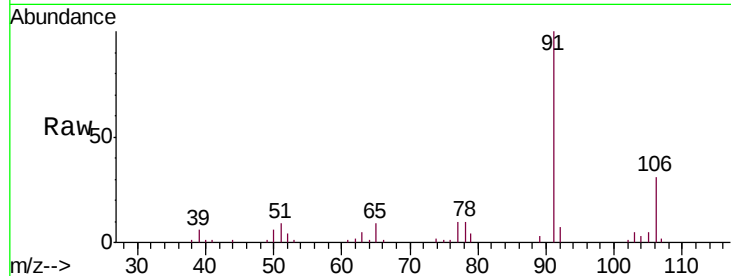
VSTD00143

Tgt Ion: 91 Resp: 23506

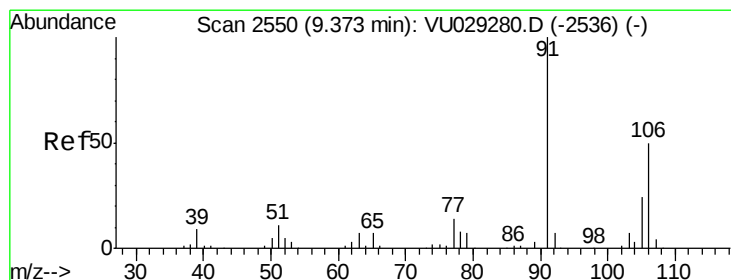
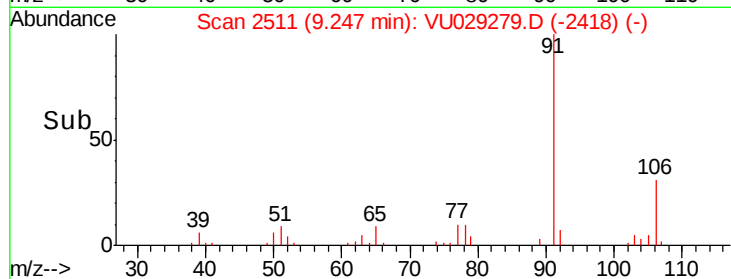
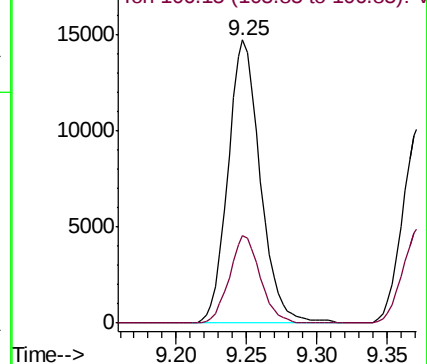
Ion Ratio Lower Upper

91 100

106 30.9 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU029279.D (-2498) (-)



#53

m,p-xylene

Concen: 0.965 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU029279.D

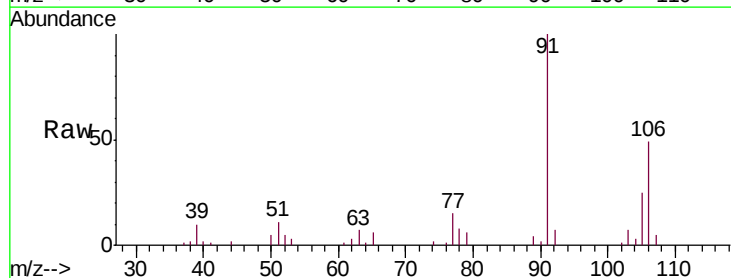
Acq: 25 Jan 2019 10:31

Tgt Ion: 106 Resp: 8869

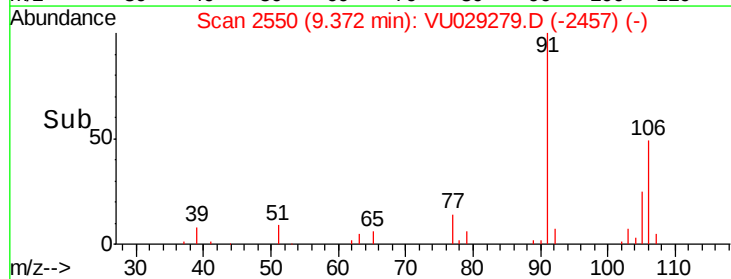
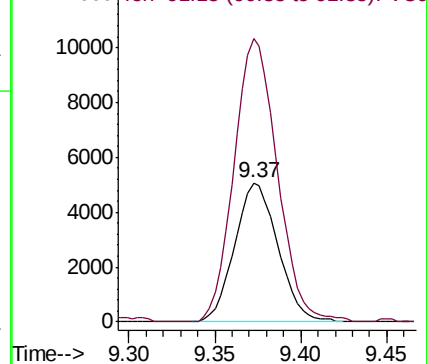
Ion Ratio Lower Upper

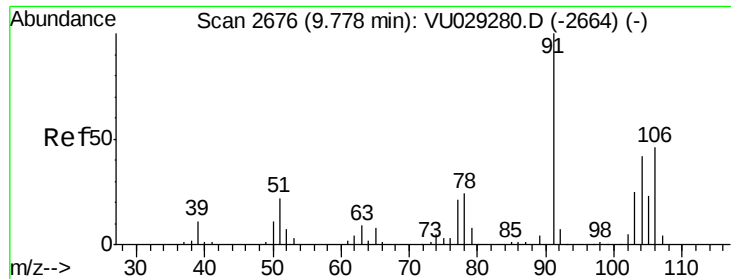
106 100

91 203.2 141.5 262.7



Abundance Ion 106.15 (105.85 to 106.85): VU029279.D (-2536) (-)

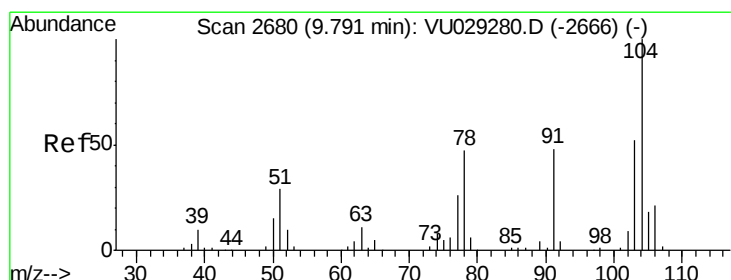
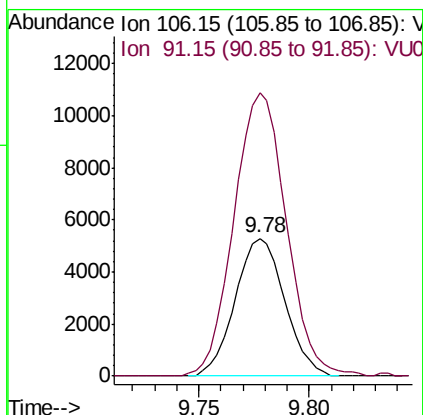
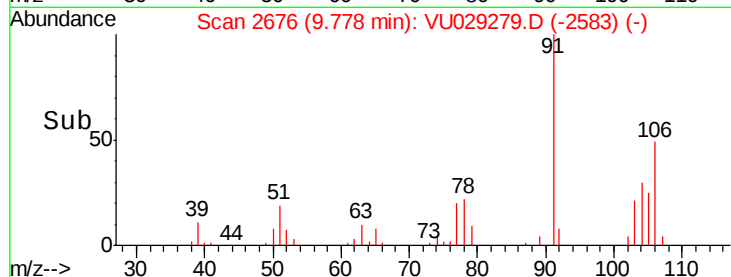
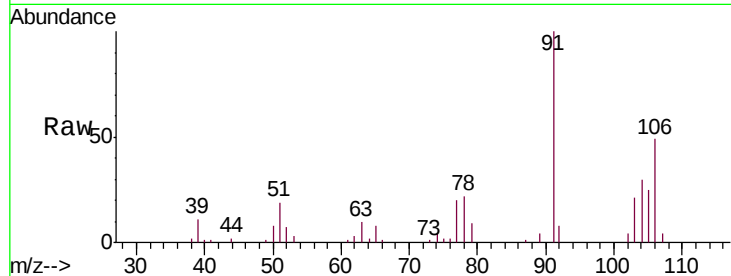




#54
o-xylene
Concen: 0.940 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU029279.D
Acq: 25 Jan 2019 10:31

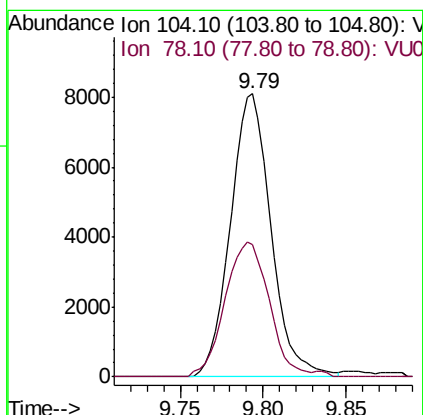
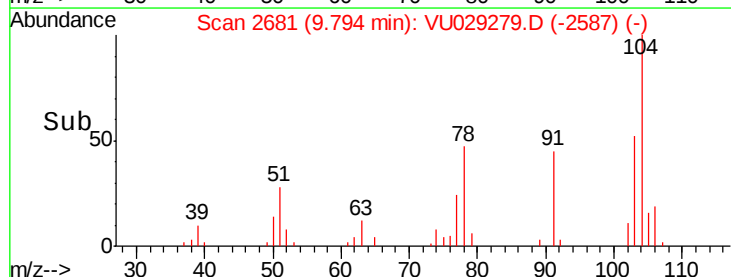
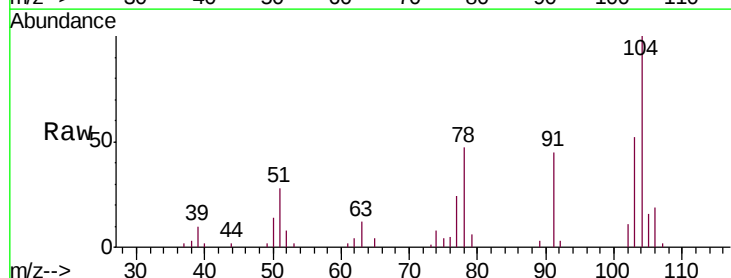
Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

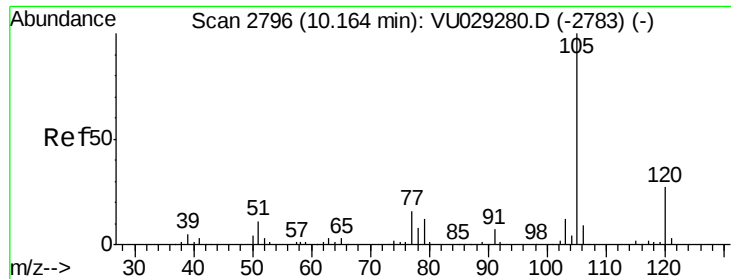
Tgt Ion:106 Resp: 8220
Ion Ratio Lower Upper
106 100
91 205.8 153.6 285.2



#55
Styrene
Concen: 0.906 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU029279.D
Acq: 25 Jan 2019 10:31

Tgt Ion:104 Resp: 13785
Ion Ratio Lower Upper
104 100
78 46.8 33.1 61.5





#56

Isopropylbenzene

Concen: 0.949 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

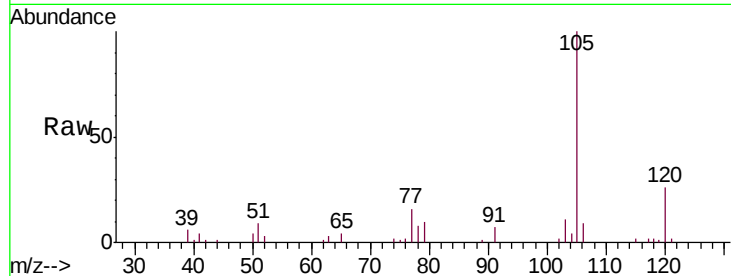
Tgt Ion: 105 Resp: 22351

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

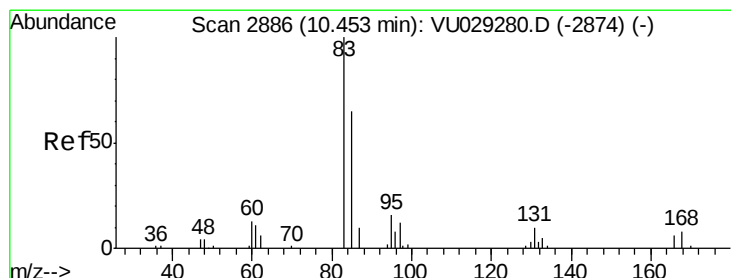
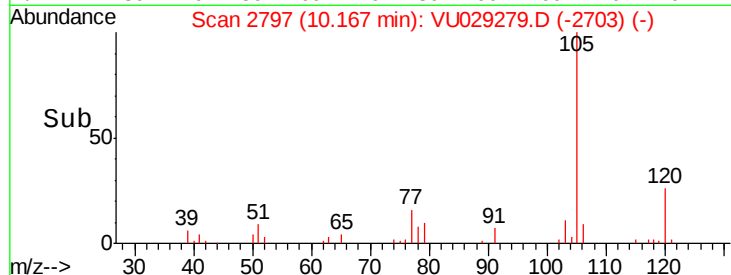
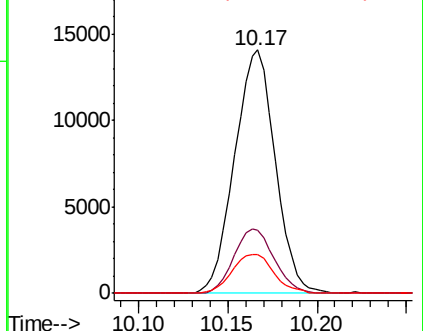
77 16.4 12.8 19.2



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.033 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

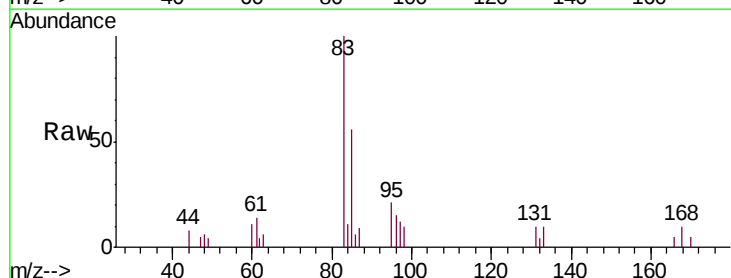
Tgt Ion: 83 Resp: 5217

Ion Ratio Lower Upper

83 100

85 56.2 45.8 85.0

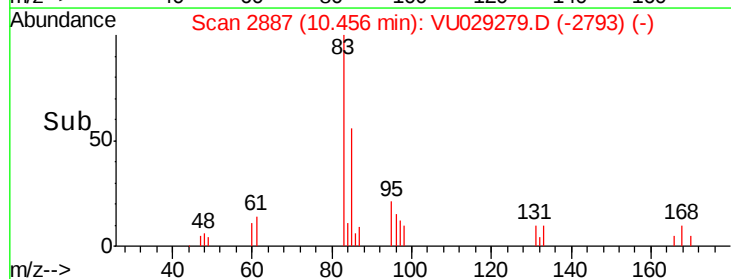
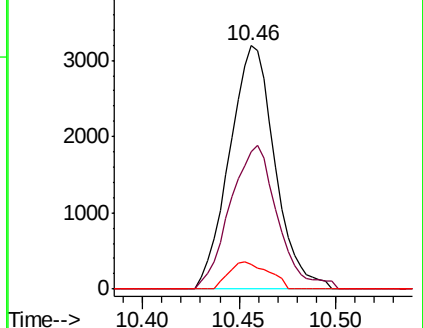
131 10.1 8.8 13.2

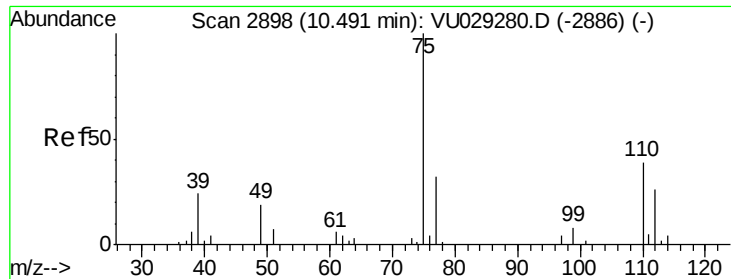


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.024 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

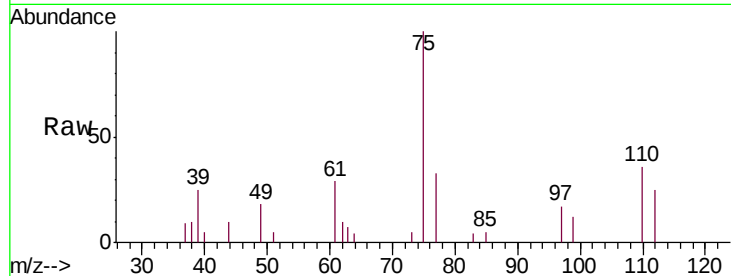
VSTD00143

Tgt Ion: 75 Resp: 3804

Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU029280.D (-2886) (-)

Ion 77.00 (76.70 to 77.70): VU029280.D (-2886) (-)

10.49

2500

2000

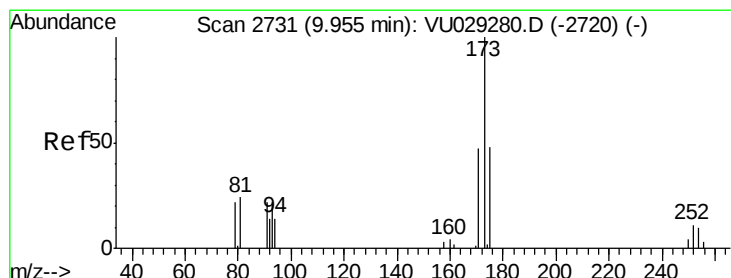
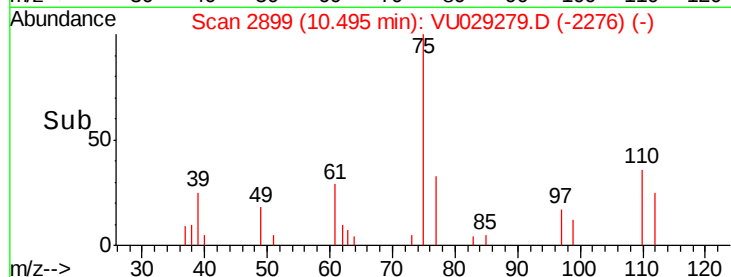
1500

1000

500

0

Time-->



#61

Bromoform

Concen: 1.083 ug/L

RT: 9.95 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

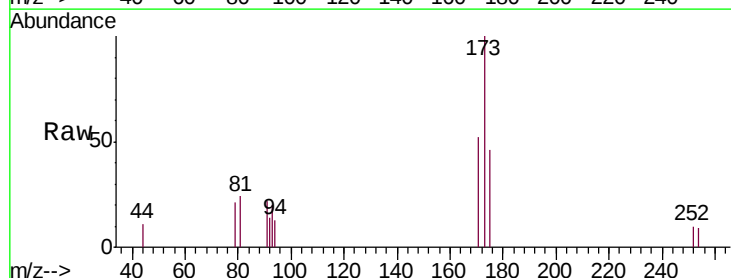
Tgt Ion: 173 Resp: 3079

Ion Ratio Lower Upper

173 100

175 46.1 39.4 59.2

254 8.4 7.9 11.9



Abundance Ion 172.90 (172.60 to 173.60): VU029280.D (-2720) (-)

Ion 174.90 (174.60 to 175.60): VU029280.D (-2720) (-)

Ion 253.75 (253.45 to 254.45): VU029280.D (-2720) (-)

9.95

2500

2000

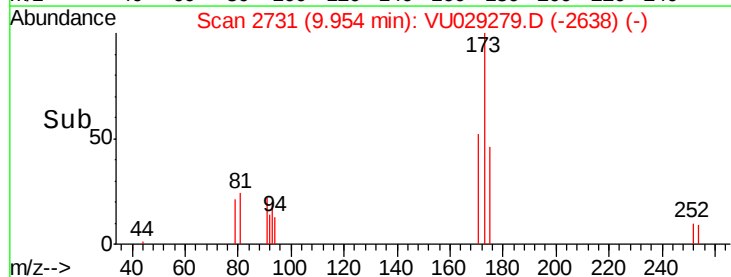
1500

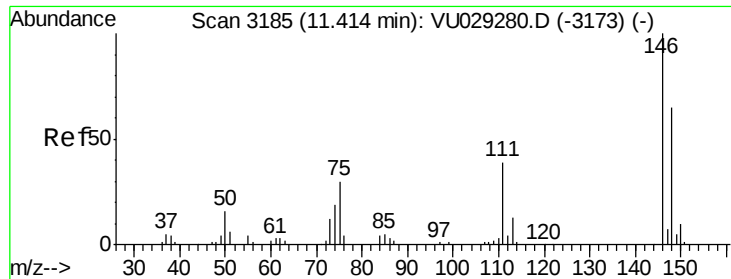
1000

500

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 1.008 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

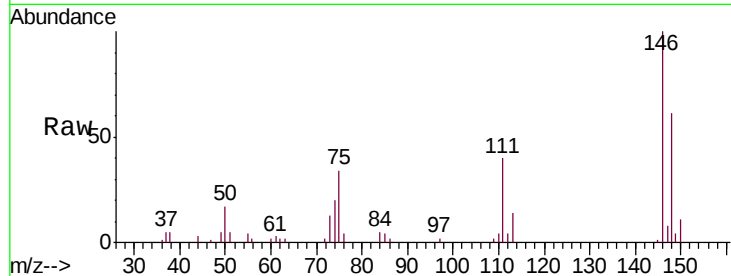
Tgt Ion:146 Resp: 11526

Ion Ratio Lower Upper

146 100

111 39.8 27.2 50.6

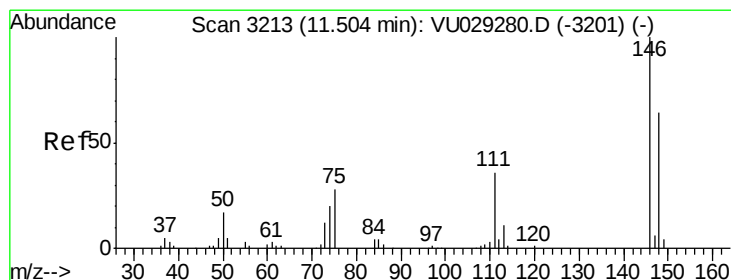
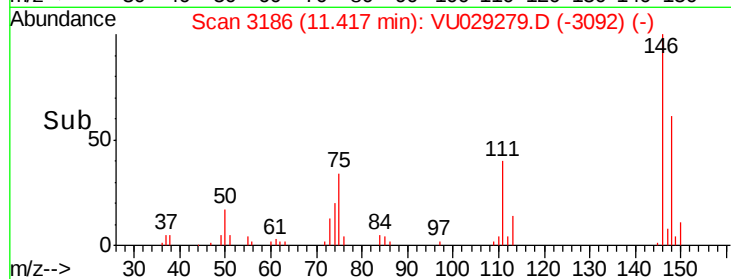
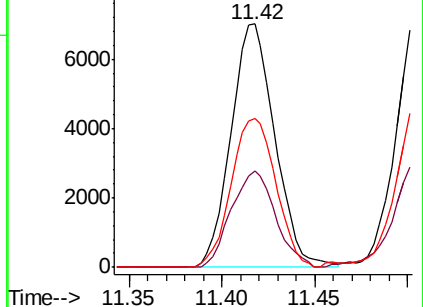
148 61.3 45.8 85.0



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: 1.020 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

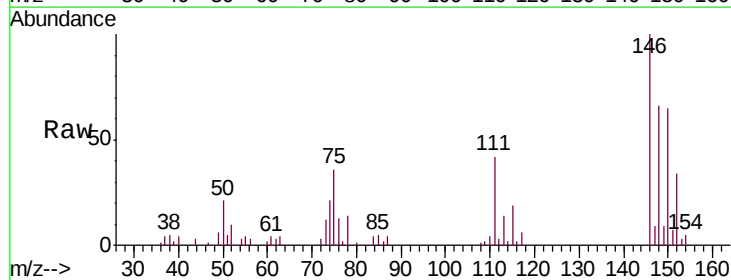
Tgt Ion:146 Resp: 12431

Ion Ratio Lower Upper

146 100

111 42.2 25.5 47.3

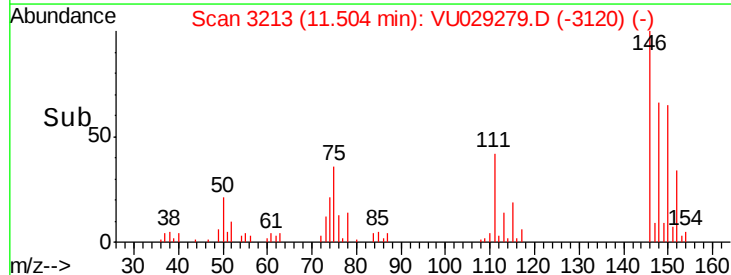
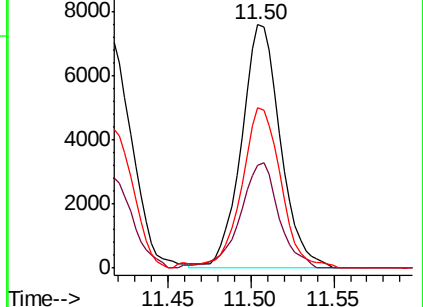
148 66.0 44.9 83.5

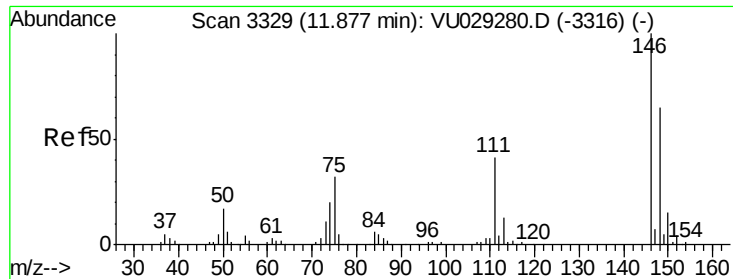


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.019 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00143

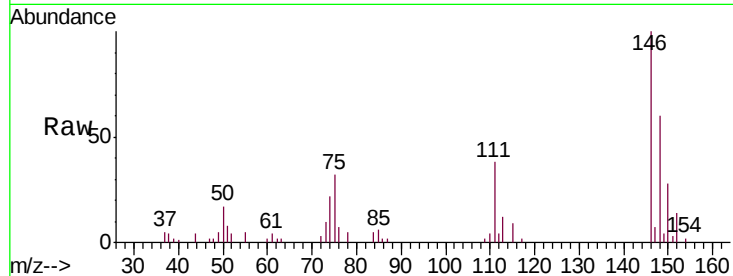
Tgt Ion:146 Resp: 11425

Ion Ratio Lower Upper

146 100

111 38.4 32.6 49.0

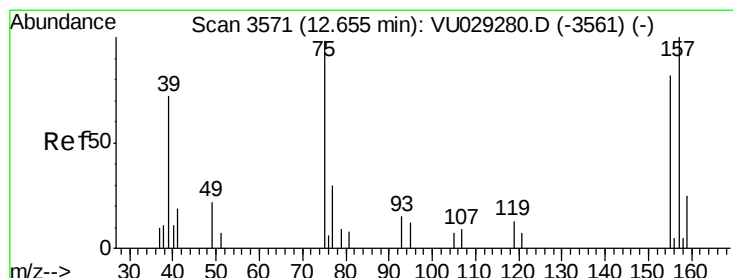
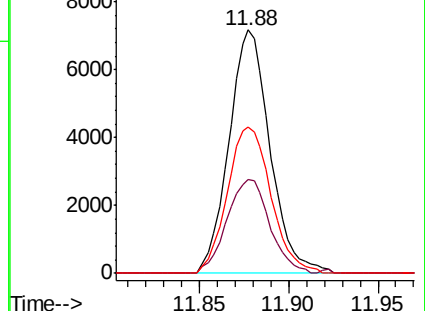
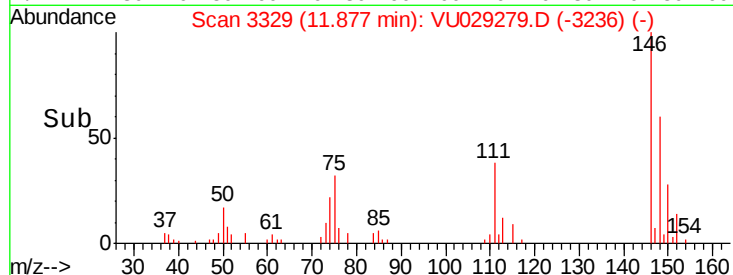
148 60.0 52.2 78.4



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: 1.106 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU029279.D

Acq: 25 Jan 2019 10:31

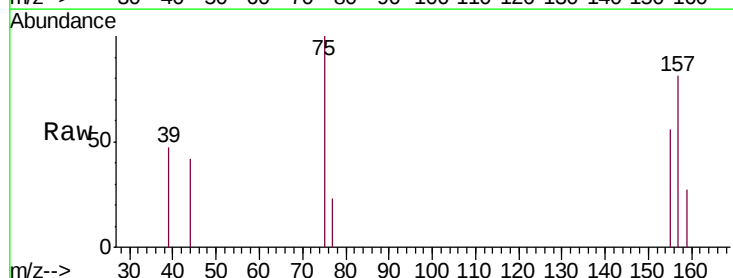
Tgt Ion: 75 Resp: 883

Ion Ratio Lower Upper

75 100

155 55.6 66.6 100.0#

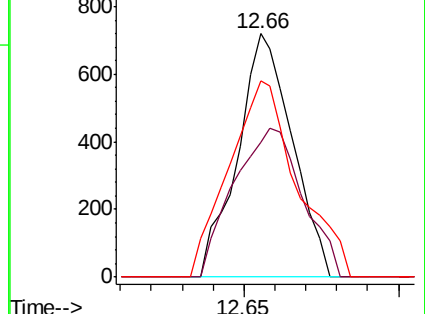
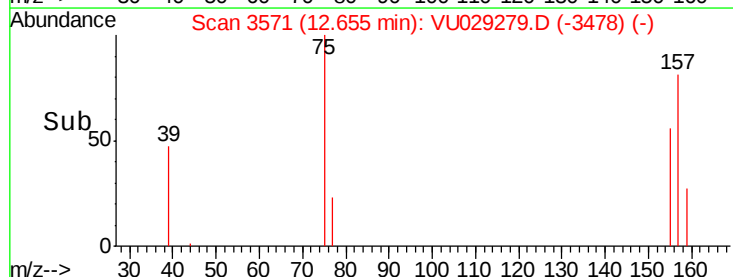
157 80.6 81.3 121.9#

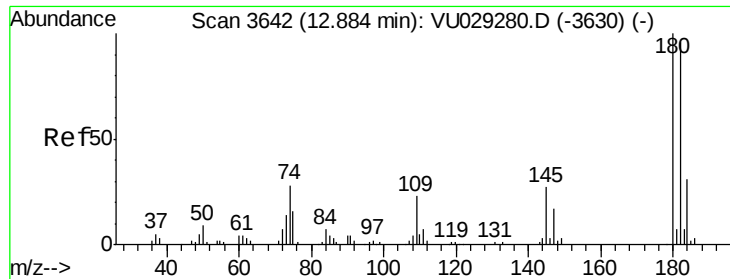


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

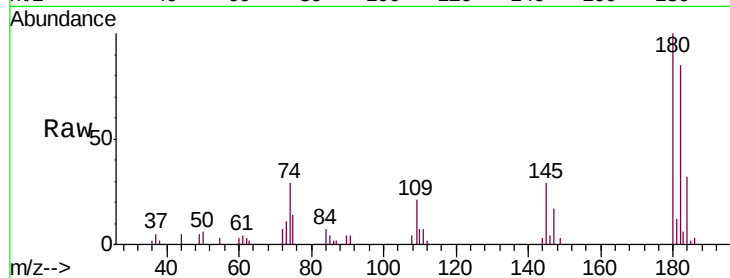




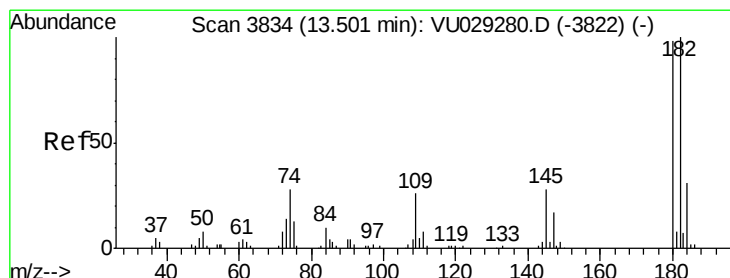
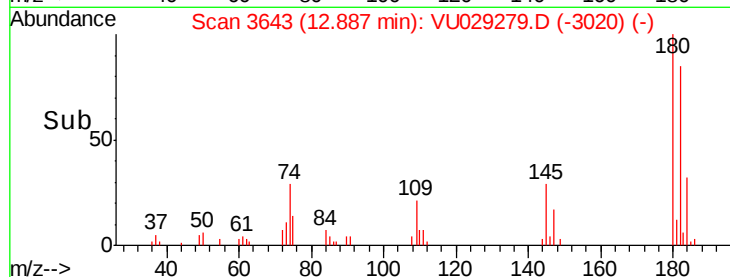
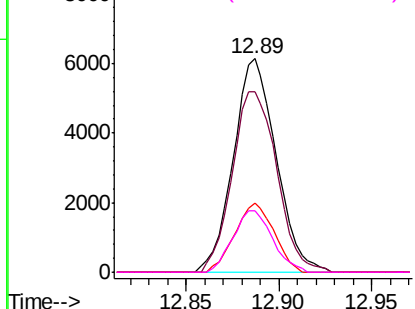
#67
 1,3,5-Trichlorobenzene
 Concen: 1.022 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00143

Tgt Ion:180 Resp: 9846
 Ion Ratio Lower Upper
 180 100
 182 88.3 76.1 114.1
 184 29.4 24.4 36.6
 145 26.8 22.4 33.6

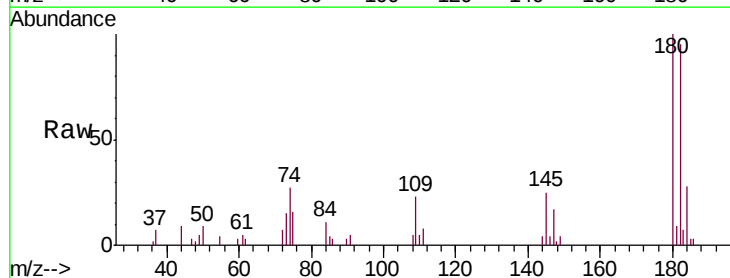


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

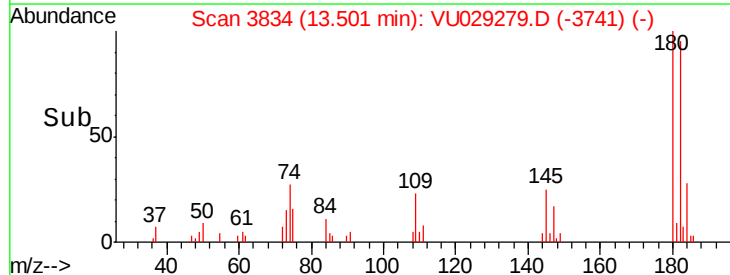
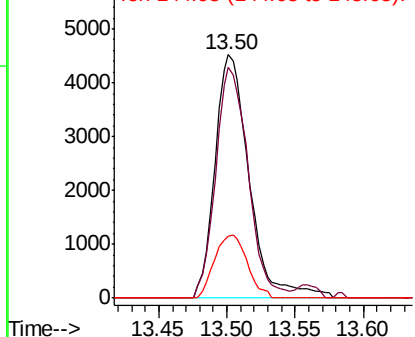


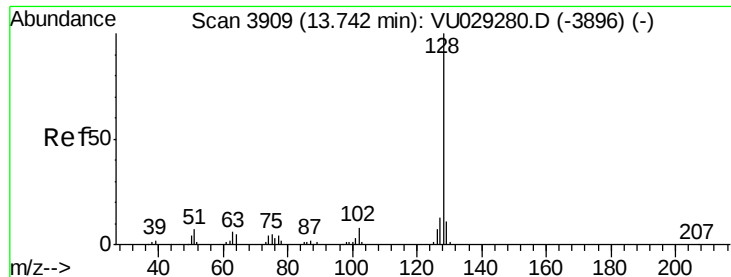
#68
 1,2,4-trichlorobenzene
 Concen: 0.974 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU029279.D
 Acq: 25 Jan 2019 10:31

Tgt Ion:180 Resp: 7858
 Ion Ratio Lower Upper
 180 100
 182 89.9 79.8 119.6
 145 24.7 22.6 34.0



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

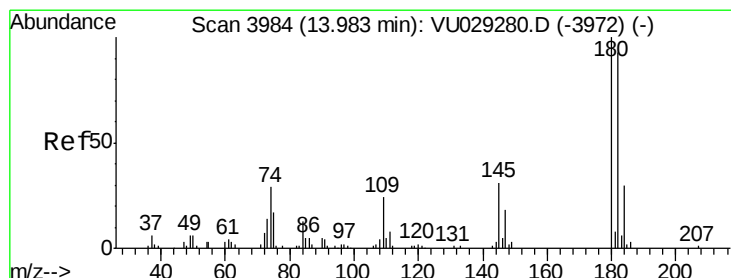
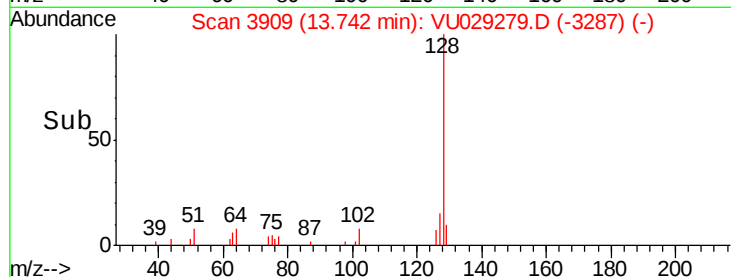
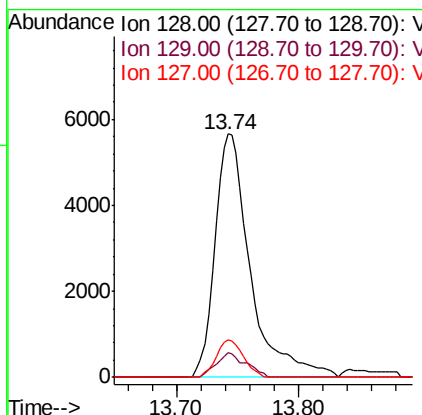
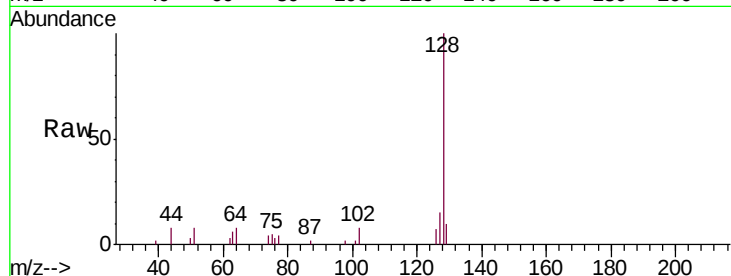




#69
Naphthalene
Concen: 0.901 ug/L
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU029279.D
Acq: 25 Jan 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00143

Tgt Ion:128 Resp: 11509
Ion Ratio Lower Upper
128 100
129 8.4 8.5 12.7#
127 11.8 10.4 15.6



#70
1,2,3-Trichlorobenzene
Concen: 0.963 ug/L
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029279.D
Acq: 25 Jan 2019 10:31

Tgt Ion:180 Resp: 7230
Ion Ratio Lower Upper
180 100
182 95.8 76.4 114.6
145 27.9 24.5 36.7

