

Data File : VU027863.D
Acq On : 29 Oct 2018 17:59
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05009

Quant Time: Oct 30 02:32:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 30 02:27:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	111893	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	107659	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	52981	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	33381	38.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.68%
7) Chloroethane-d5	1.68	69	26548	39.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.22%
11) 1,1-Dichloroethene-d2	2.28	63	66591	42.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.94%
21) 2-Butanone-d5	4.18	46	64567	87.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.03%
24) Chloroform-d	4.65	84	67789	43.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.62%
26) 1,2-Dichloroethane-d4	5.31	65	46392	42.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.62%
32) Benzene-d6	5.34	84	127104	41.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.92%
36) 1,2-Dichloropropane-d6	6.33	67	45762	41.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.62%
41) Toluene-d8	7.57	98	119217	42.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.30%
43) trans-1,3-Dichloropropene-	7.85	79	21590	40.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.24%
47) 2-Hexanone-d5	8.31	63	48813	87.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	60431	42.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	45911	42.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.62%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	43889	48.265 ug/L	99
3) Chloromethane	1.33	50	46329	43.492 ug/L	99
5) Vinyl chloride	1.40	62	46944	46.459 ug/L	93
6) Bromomethane	1.63	94	12904	25.327 ug/L	98
8) Chloroethane	1.70	64	26437	48.475 ug/L	100
9) Trichlorofluoromethane	1.89	101	61826	50.783 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	32418	48.626 ug/L	100
12) 1,1-Dichloroethene	2.29	96	30565	49.023 ug/L	92
13) Acetone	2.32	43	46477	89.933 ug/L	99
14) Carbon disulfide	2.48	76	100252	46.178 ug/L	99
15) Methyl Acetate	2.62	43	53690	49.366 ug/L	99
16) Methylene chloride	2.70	84	38604	50.124 ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	34214	49.608 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	129483	50.228 ug/L	99
19) 1,1-Dichloroethane	3.45	63	76139	50.872 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	41836	51.275 ug/L	94
22) 2-Butanone	4.26	43	76435	99.398 ug/L	98

Data File : VU027863.D
Acq On : 29 Oct 2018 17:59
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05009

Quant Time: Oct 30 02:32:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 30 02:27:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	19776	51.908	ug/L	94
25) Chloroform	4.68	83	75789	52.181	ug/L	97
27) 1,2-Dichloroethane	5.41	62	64309	51.019	ug/L	100
29) Cyclohexane	5.00	56	73153	47.405	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	65026	49.830	ug/L	99
31) Carbon tetrachloride	5.14	117	55578	47.328	ug/L	98
33) Benzene	5.39	78	160331	50.061	ug/L	100
34) Trichloroethene	6.19	95	40584	50.617	ug/L	96
35) Methylcyclohexane	6.42	83	66777	48.157	ug/L	98
37) 1,2-Dichloropropane	6.43	63	47680	50.386	ug/L	100
38) Bromodichloromethane	6.76	83	58597	49.830	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	70305	48.251	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	150360	98.865	ug/L	99
42) Toluene	7.64	91	167387	49.905	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	65350	47.413	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	40391	51.675	ug/L	98
46) Tetrachloroethene	8.23	164	31102	50.230	ug/L	96
48) 2-Hexanone	8.36	43	115279	97.740	ug/L	96
49) Dibromochloromethane	8.48	129	44471	48.015	ug/L	97
50) 1,2-Dibromoethane	8.59	107	42705	51.189	ug/L	98
51) Chlorobenzene	9.12	112	102541	49.866	ug/L	99
52) Ethylbenzene	9.25	91	190051	50.092	ug/L	99
53) m,p-Xylene	9.38	106	67716	49.406	ug/L	97
54) o-xylene	9.78	106	69042	50.535	ug/L	99
55) Styrene	9.79	104	116604	50.142	ug/L	97
56) Isopropylbenzene	10.17	105	184780	51.069	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	70613	50.802	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	55271	49.422	ug/L	98
61) Bromoform	9.96	173	33153	46.942	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	80559	50.709	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	82697	51.050	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	82017	50.194	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	16000	46.993	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	61029	49.670	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	56633	51.919	ug/L	100
69) Naphthalene	13.74	128	181722	51.581	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	58427	51.251	ug/L	99

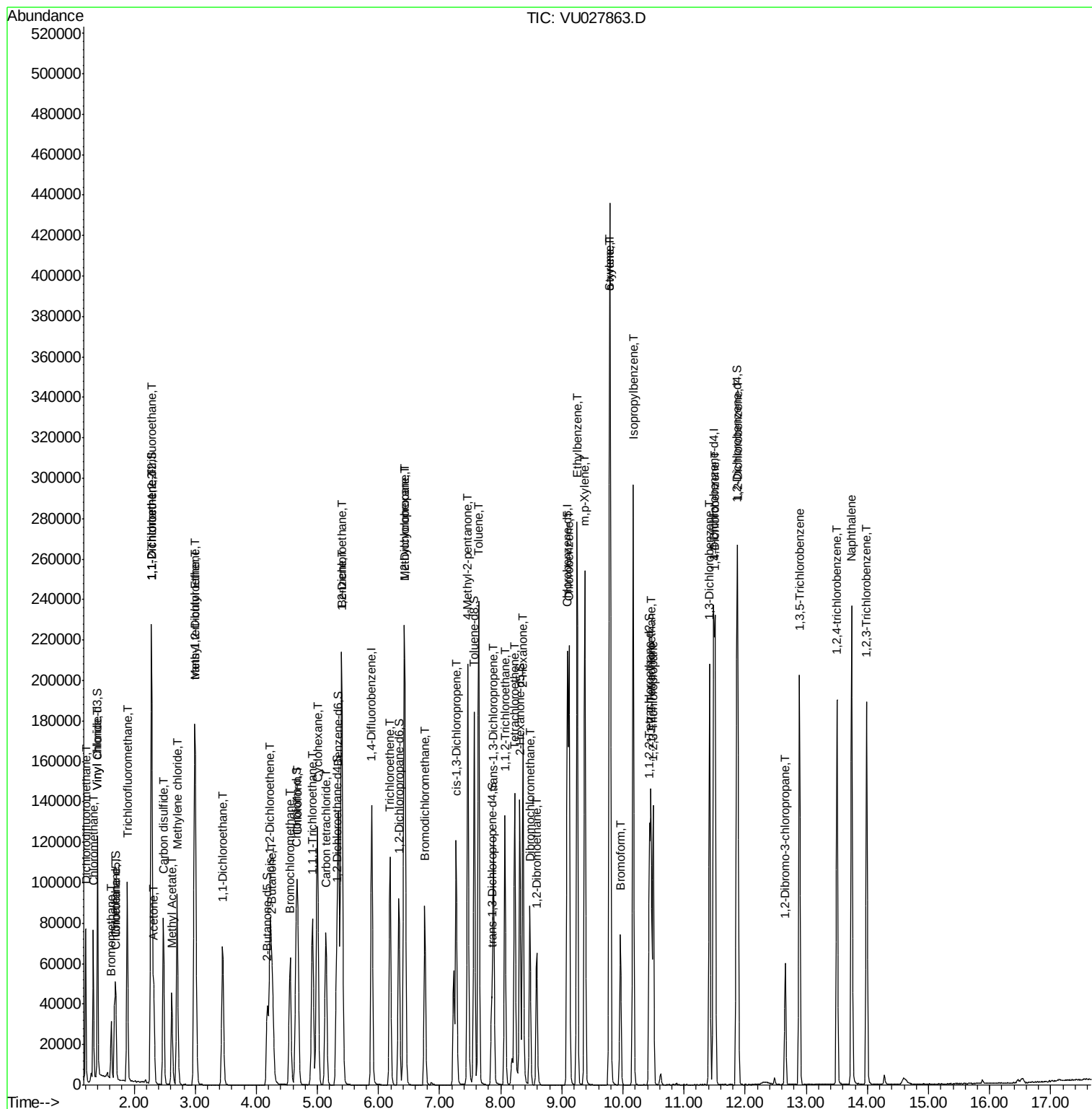
(#) = qualifier out of range (m) = manual integration (+) = signals summed

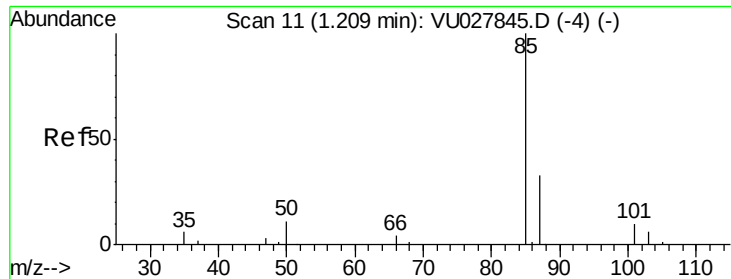
Data File : VU027863.D

```
Acq On       : 29 Oct 2018 17:59
Operator    : MD/SY
Sample      : VSTDCCC050EC
Misc        : 5.0mL/MSVOA_U/WATER
ALS Vial     : 21   Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD05009

Quant Time: Oct 30 02:32:57 2018
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 30 02:27:31 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 48.265 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

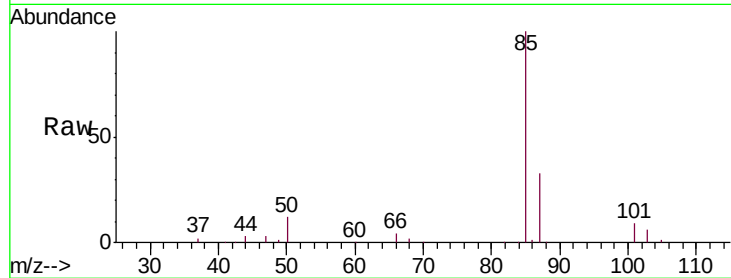
VSTD05009

Tgt Ion: 85 Resp: 43889

Ion Ratio Lower Upper

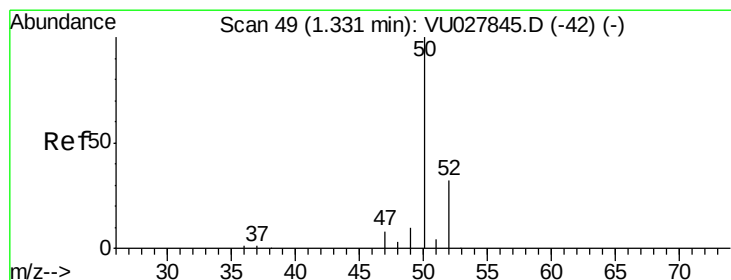
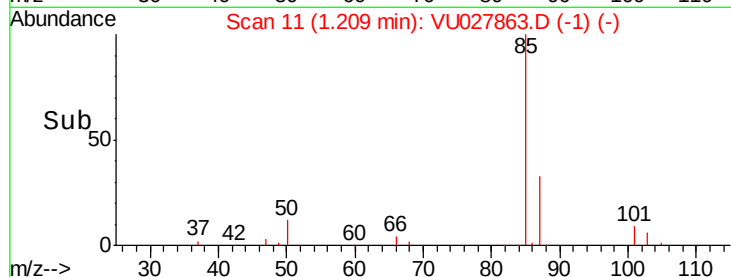
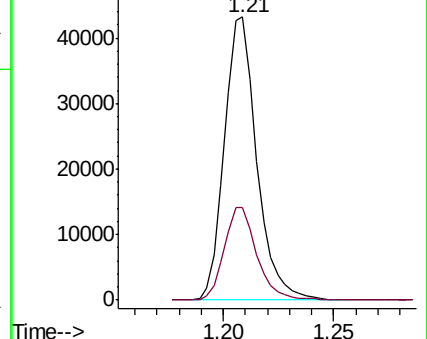
85 100

87 33.0 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 43.492 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027863.D

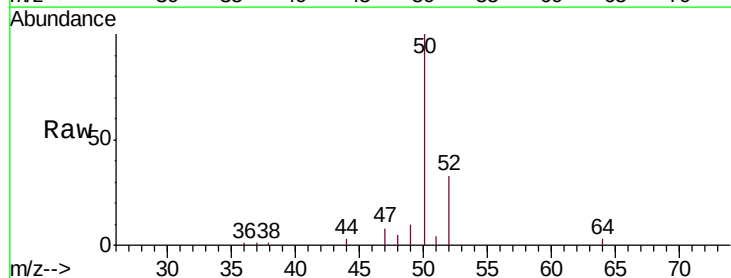
Acq: 29 Oct 2018 17:59

Tgt Ion: 50 Resp: 46329

Ion Ratio Lower Upper

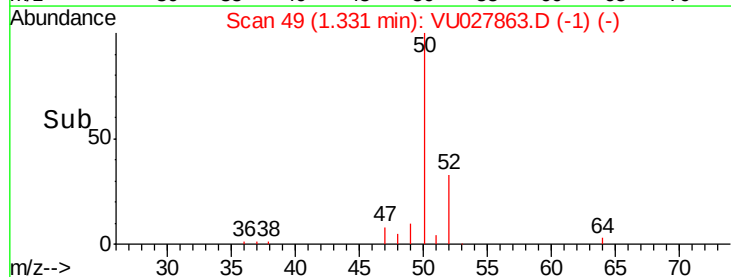
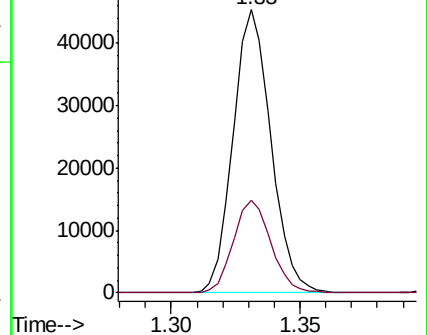
50 100

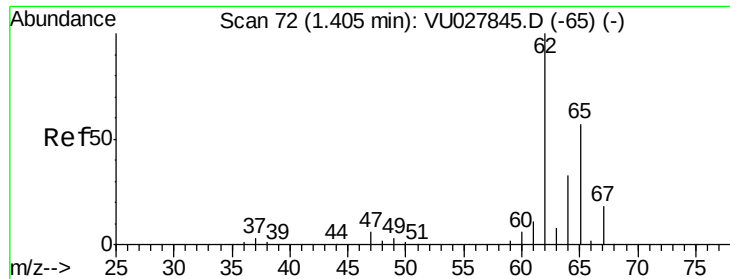
52 32.7 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 46.459 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampled :

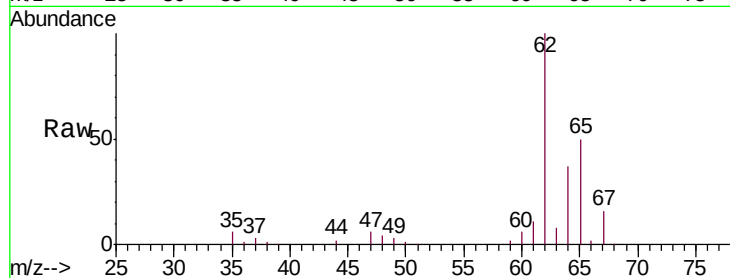
VSTD05009

Tgt Ion: 62 Resp: 46944

Ion Ratio Lower Upper

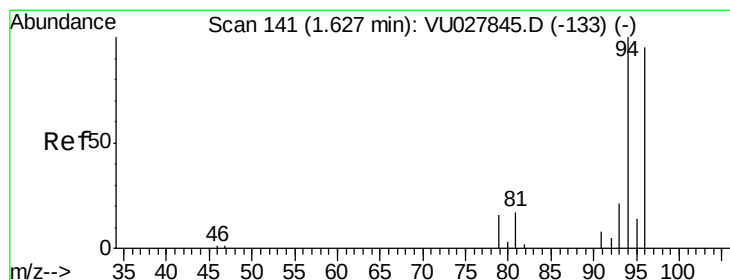
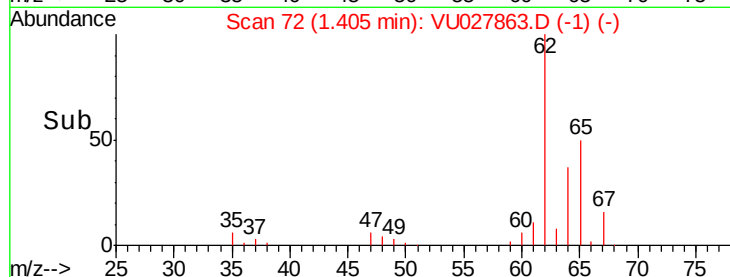
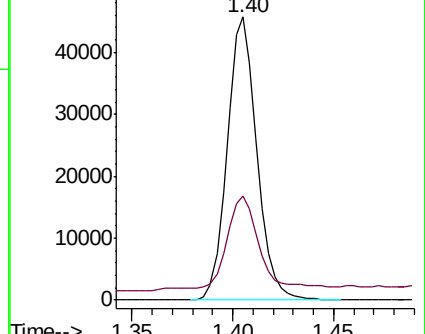
62 100

64 36.6 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 25.327 ug/L

RT: 1.63 min Scan# 141

Delta R.T. 0.00 min

Lab File: VU027863.D

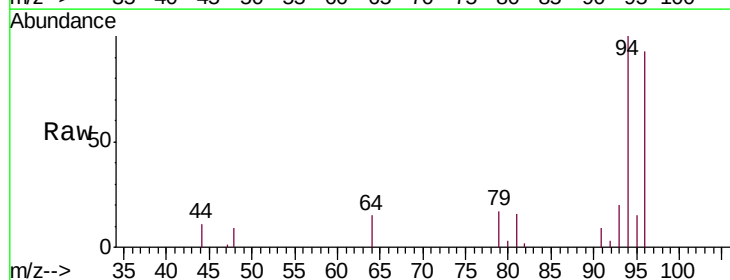
Acq: 29 Oct 2018 17:59

Tgt Ion: 94 Resp: 12904

Ion Ratio Lower Upper

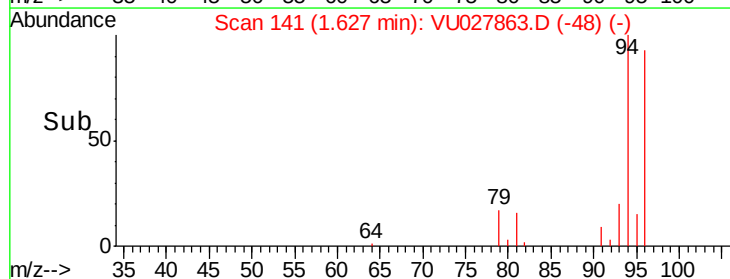
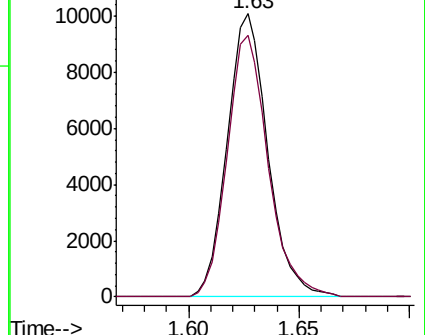
94 100

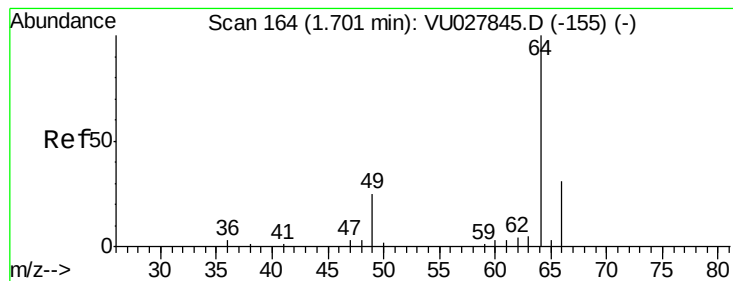
96 92.6 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 48.475 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

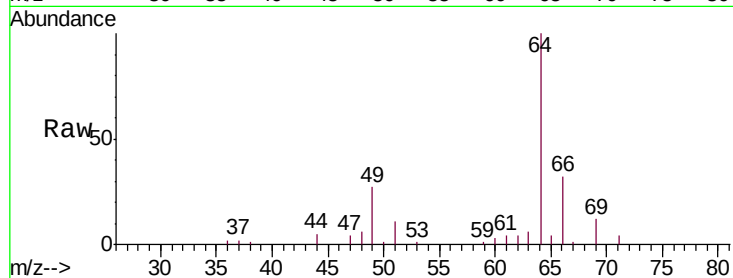
VSTD05009

Tgt Ion: 64 Resp: 26437

Ion Ratio Lower Upper

64 100

66 32.2 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VU027845.D (-155) (-)

Ion 66.00 (65.70 to 66.70): VU027845.D (-155) (-)

1.70

25000

20000

15000

10000

5000

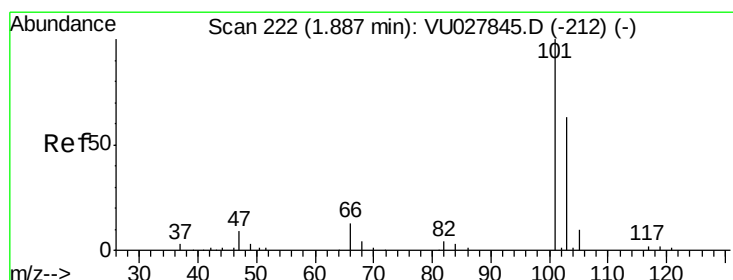
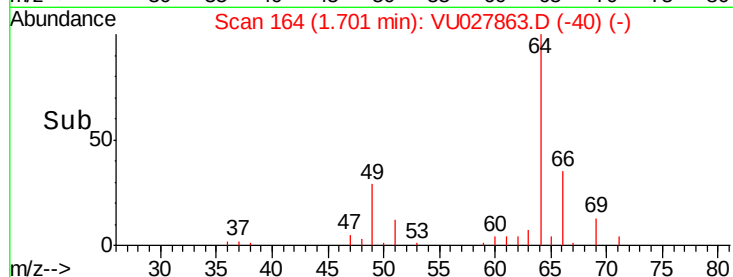
0

1.65

1.70

1.75

Time-->



#9

Trichlorofluoromethane

Concen: 50.783 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU027863.D

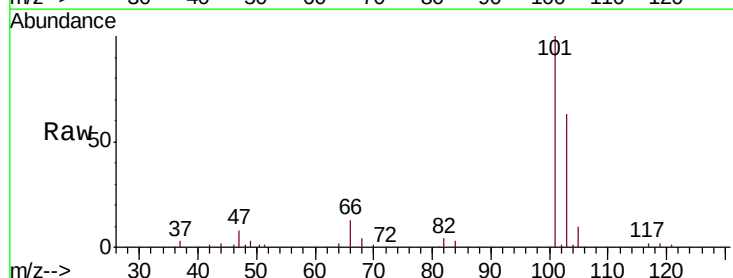
Acq: 29 Oct 2018 17:59

Tgt Ion: 101 Resp: 61826

Ion Ratio Lower Upper

101 100

103 63.1 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU027845.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU027845.D (-212) (-)

1.89

50000

40000

30000

20000

10000

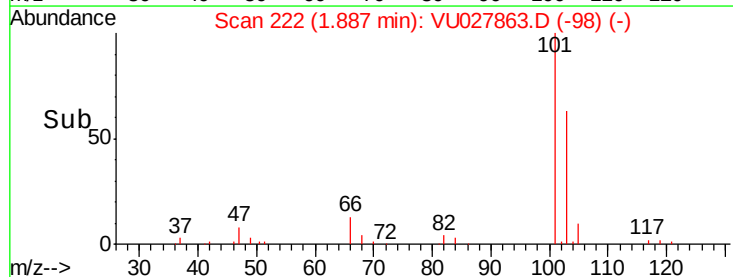
0

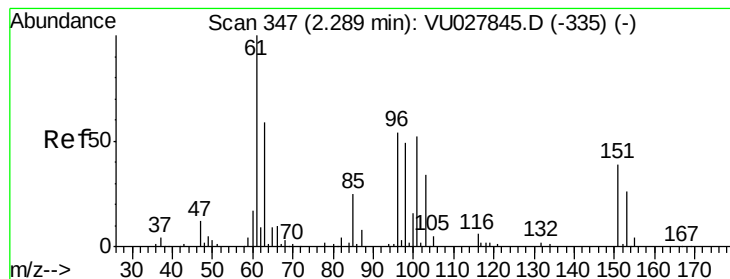
1.85

1.90

1.95

Time-->





#10

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

Concen: 48.626 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05009

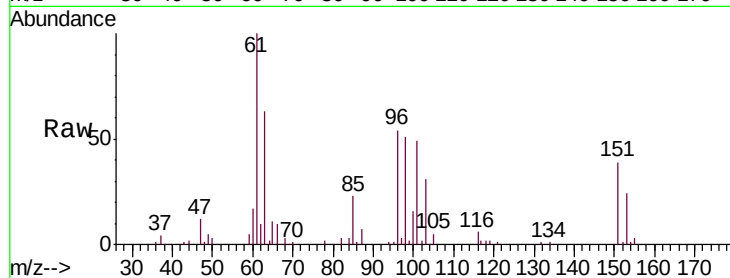
Tgt Ion: 101 Resp: 32418

Ion Ratio Lower Upper

101 100

85 46.5 36.7 55.1

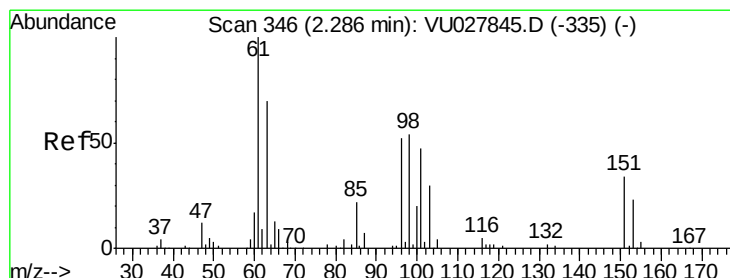
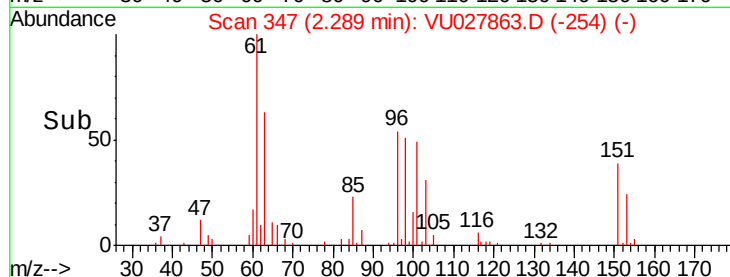
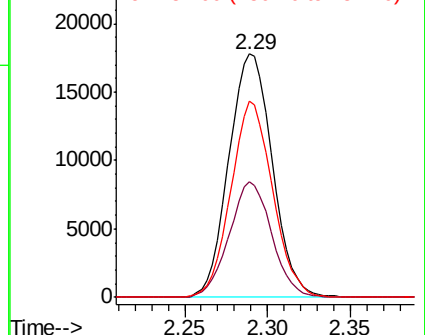
151 77.4 62.0 93.0



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: 49.023 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

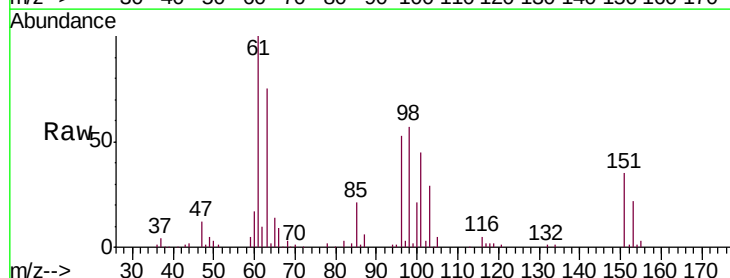
Tgt Ion: 96 Resp: 30565

Ion Ratio Lower Upper

96 100

61 188.4 137.3 255.1

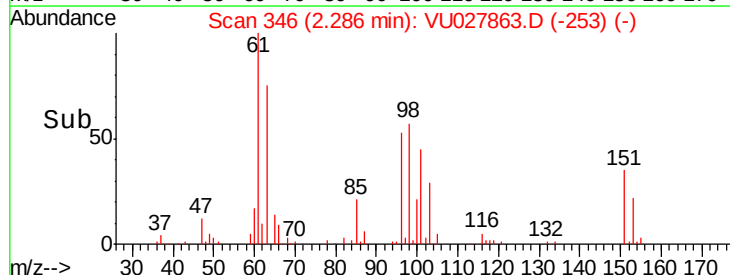
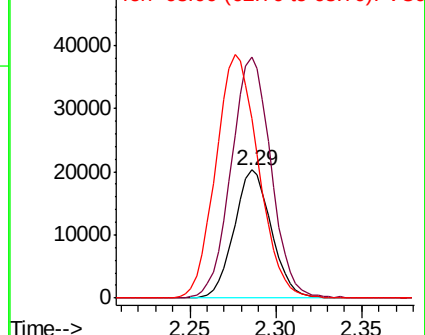
63 140.6 109.8 204.0

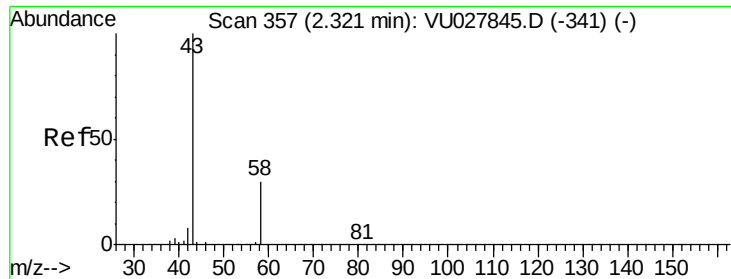


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.933 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

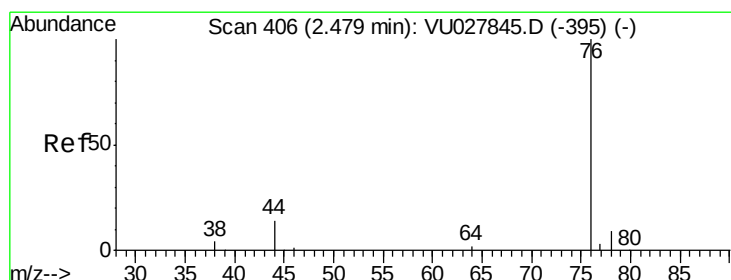
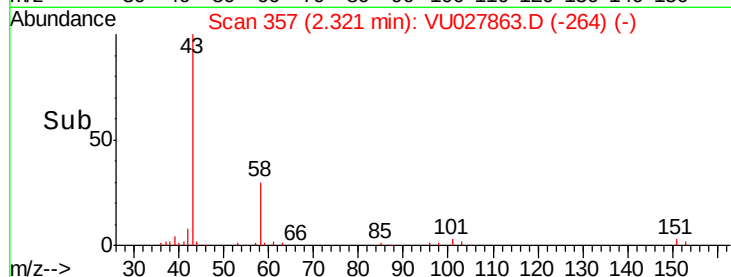
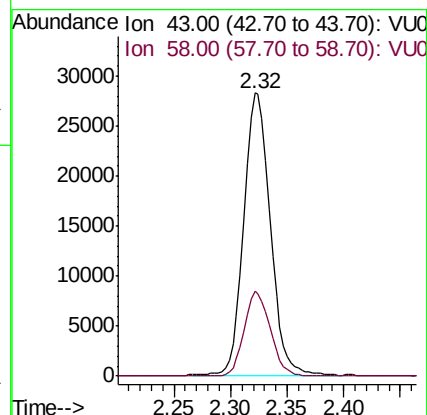
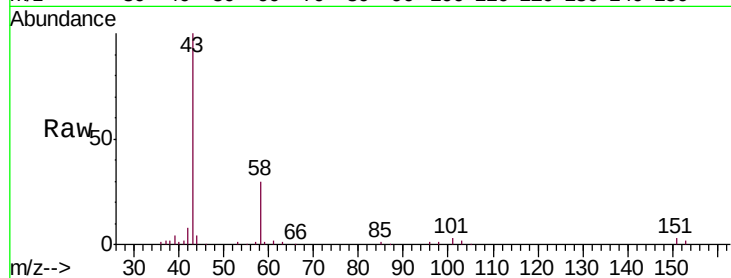
VSTD05009

Tgt Ion: 43 Resp: 46477

Ion Ratio Lower Upper

43 100

58 29.1 0.0 57.4



#14

Carbon disulfide

Concen: 46.178 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027863.D

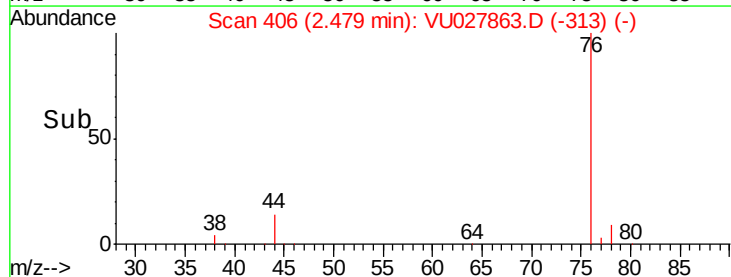
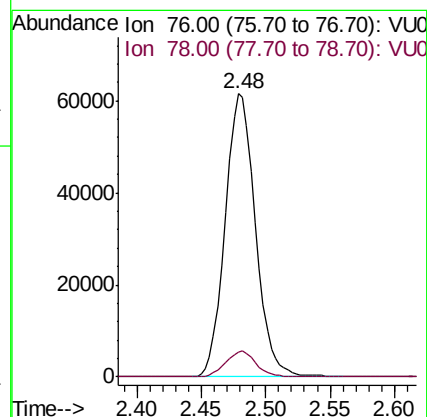
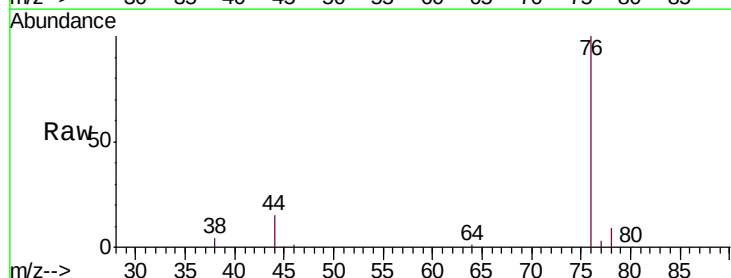
Acq: 29 Oct 2018 17:59

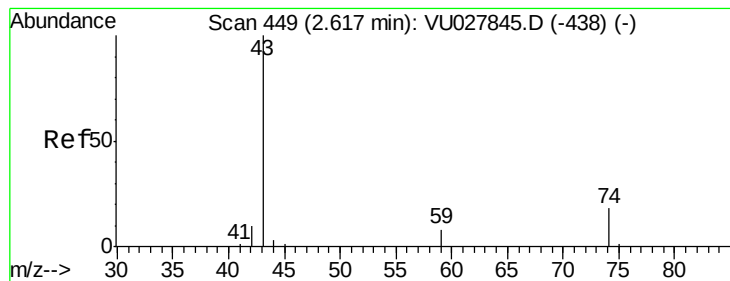
Tgt Ion: 76 Resp: 100252

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#15

Methyl Acetate

Concen: 49.366 ug/L

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

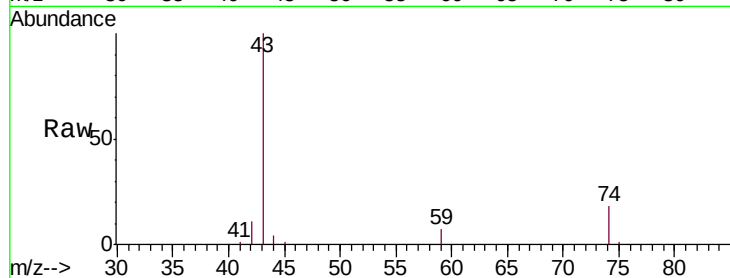
VSTD05009

Tgt Ion: 43 Resp: 53690

Ion Ratio Lower Upper

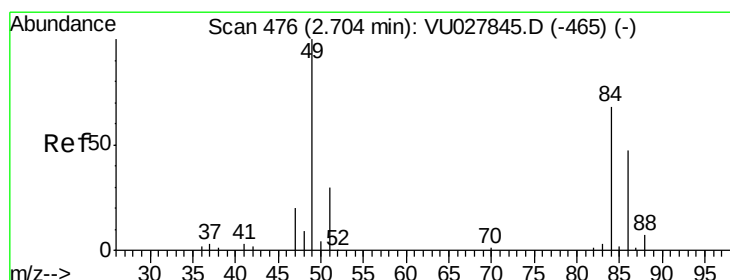
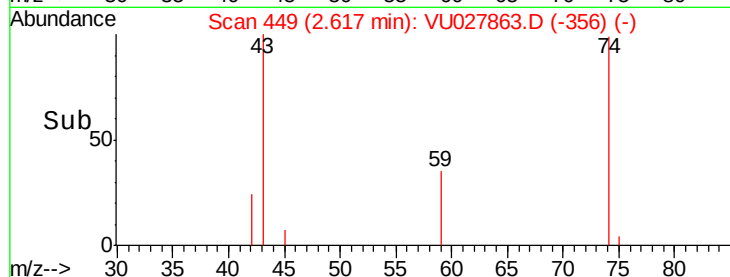
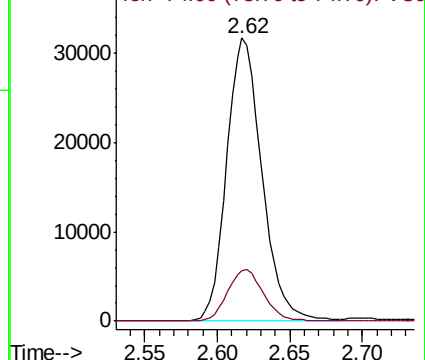
43 100

74 18.5 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VU027845.D (-438) (-)

Ion 74.00 (73.70 to 74.70): VU027845.D (-438) (-)



#16

Methylene chloride

Concen: 50.124 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

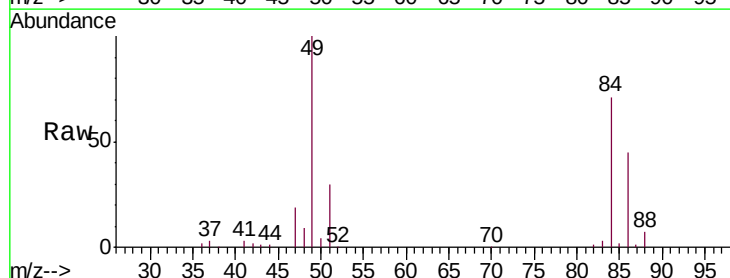
Tgt Ion: 84 Resp: 38604

Ion Ratio Lower Upper

84 100

86 63.9 42.8 79.6

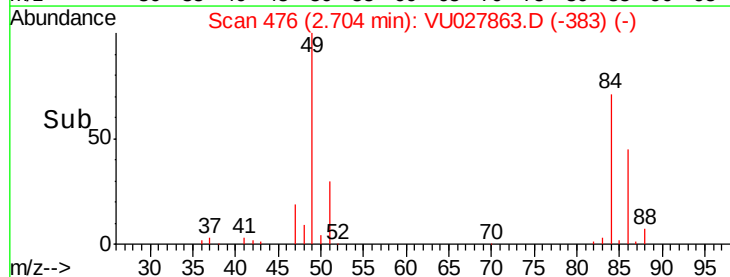
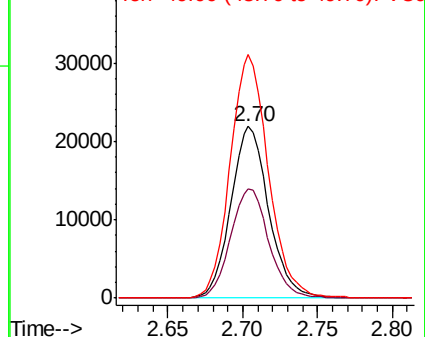
49 141.6 100.0 185.6

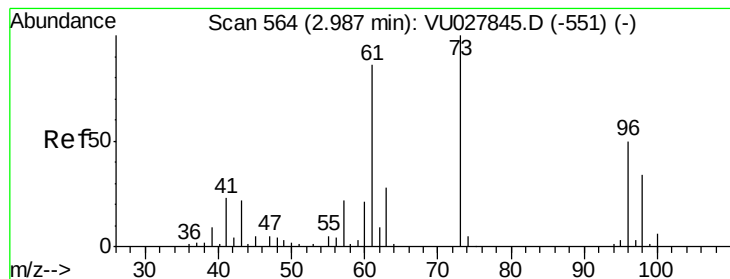


Abundance Ion 84.00 (83.70 to 84.70): VU027845.D (-465) (-)

Ion 86.00 (85.70 to 86.70): VU027845.D (-465) (-)

Ion 49.00 (48.70 to 49.70): VU027845.D (-465) (-)





#17

trans-1,2-Dichloroethene

Concen: 49.608 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05009

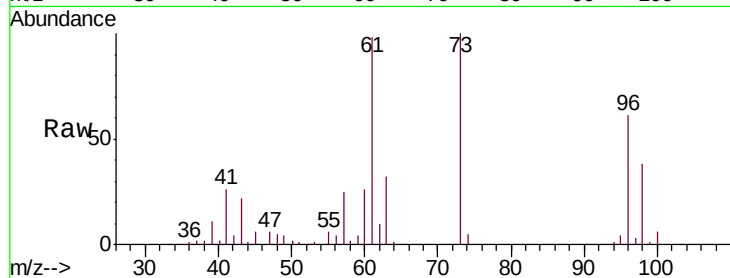
Tgt Ion: 96 Resp: 34214

Ion Ratio Lower Upper

96 100

61 160.5 114.7 212.9

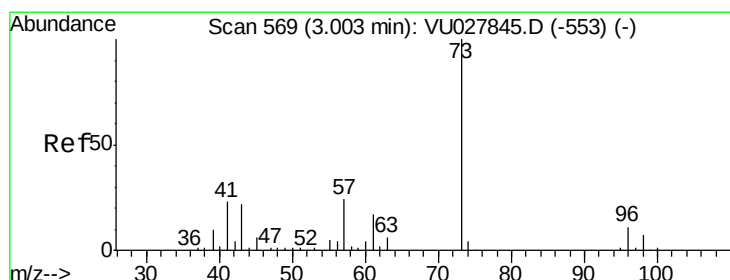
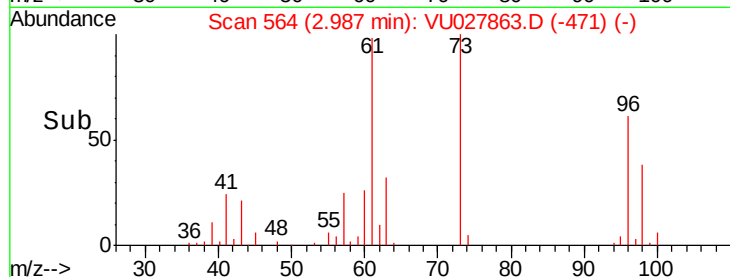
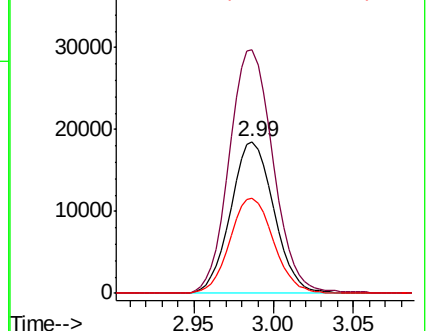
98 62.6 42.2 78.4



Abundance Ion 96.00 (95.70 to 96.70): VU027845.D (-551) (-)

Ion 61.00 (60.70 to 61.70): VU027845.D (-551) (-)

Ion 98.00 (97.70 to 98.70): VU027845.D (-551) (-)



#18

Methyl tert-butyl Ether

Concen: 50.228 ug/L

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

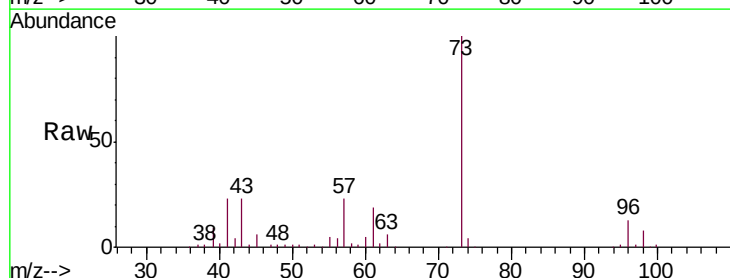
Tgt Ion: 73 Resp: 129483

Ion Ratio Lower Upper

73 100

43 22.4 18.3 27.5

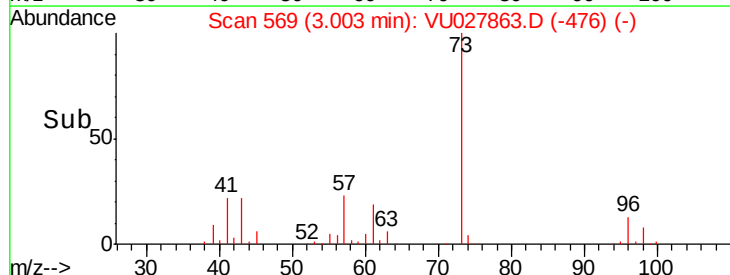
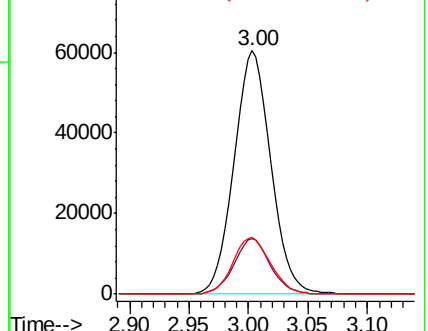
57 23.8 18.6 28.0

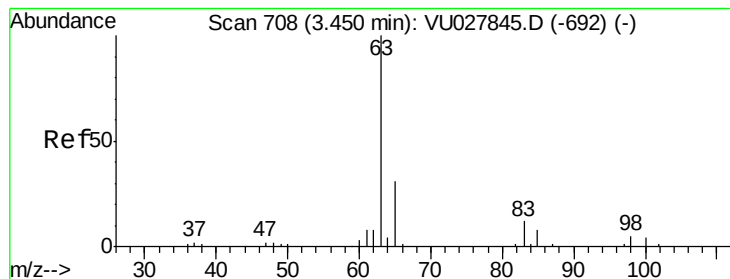


Abundance Ion 73.00 (72.70 to 73.70): VU027845.D (-553) (-)

Ion 43.00 (42.70 to 43.70): VU027845.D (-553) (-)

Ion 57.00 (56.70 to 57.70): VU027845.D (-553) (-)





#19

1,1-Dichloroethane

Concen: 50.872 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05009

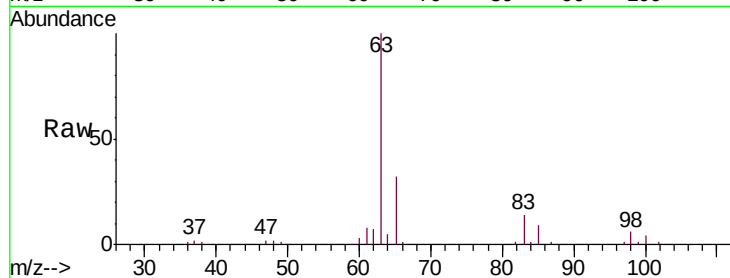
Tgt Ion: 63 Resp: 76139

Ion Ratio Lower Upper

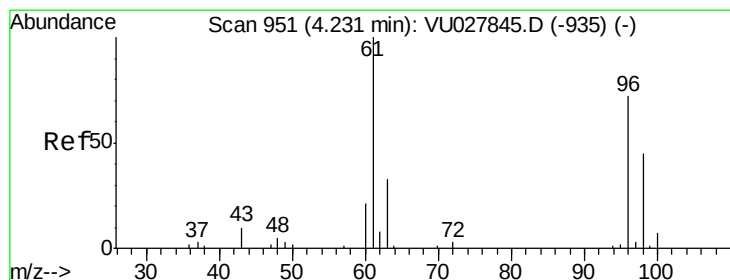
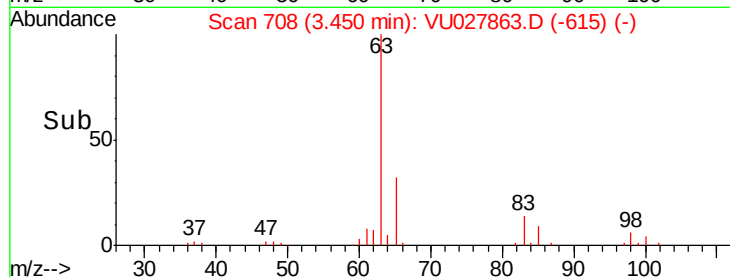
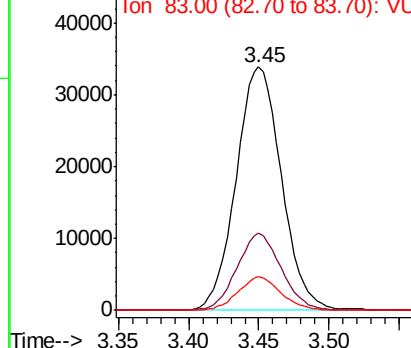
63 100

65 31.8 22.2 41.2

83 13.9 9.2 17.2



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



#20

cis-1,2-Dichloroethene

Concen: 51.275 ug/L

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

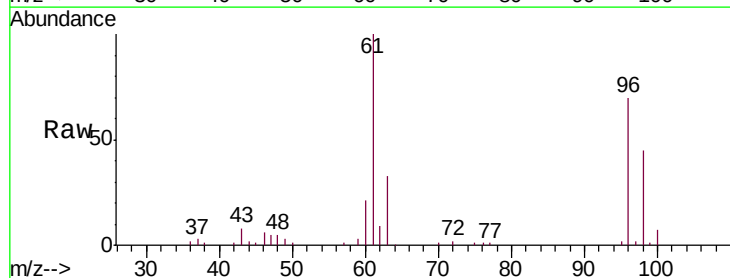
Tgt Ion: 96 Resp: 41836

Ion Ratio Lower Upper

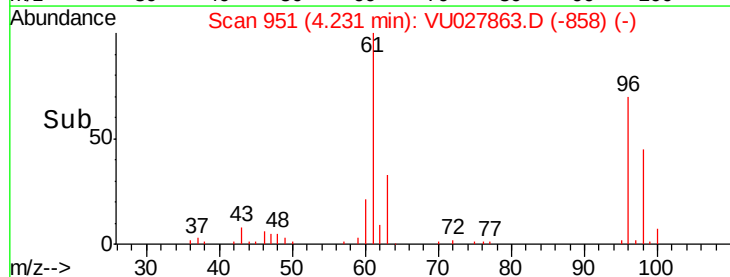
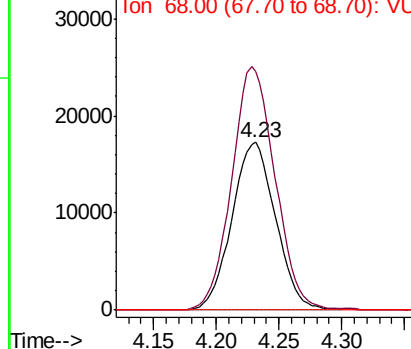
96 100

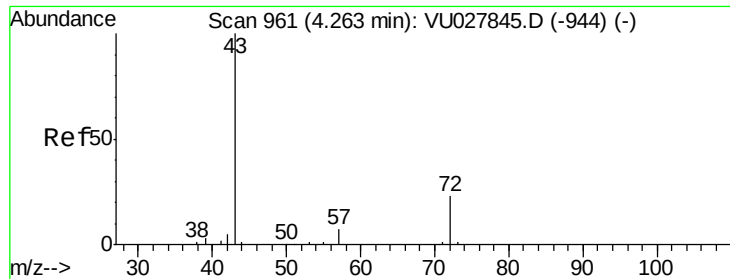
61 141.8 104.2 193.4

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 99.398 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

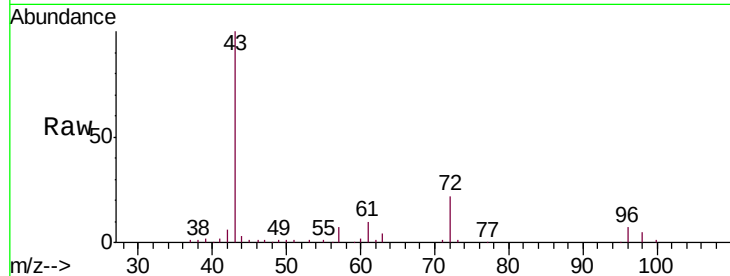
VSTD05009

Tgt Ion: 43 Resp: 76435

Ion Ratio Lower Upper

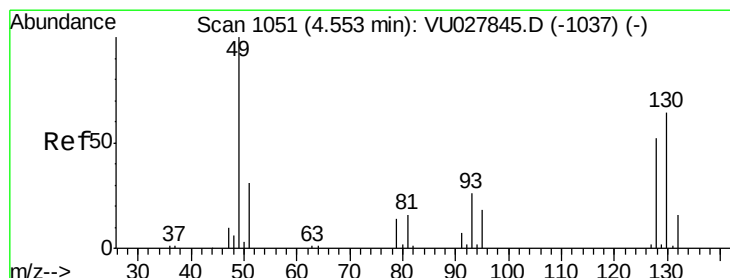
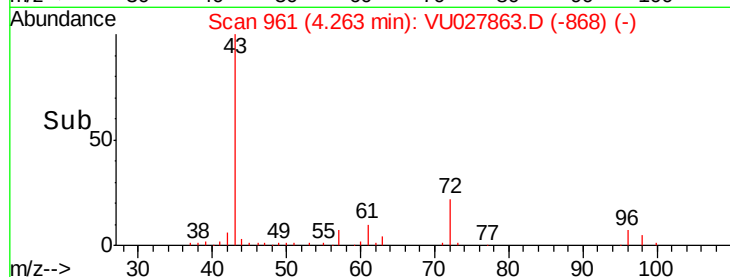
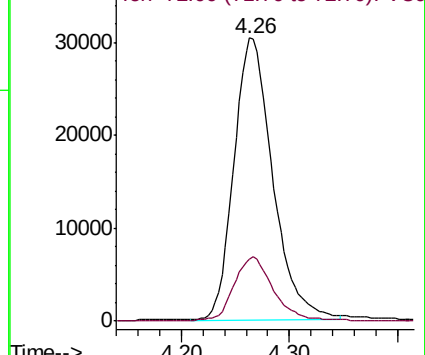
43 100

72 23.1 11.2 33.5



Abundance Ion 43.00 (42.70 to 43.70): VU027845.D (-944) (-)

Ion 72.00 (71.70 to 72.70): VU027845.D (-944) (-)



#23

Bromochloromethane

Concen: 51.908 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Tgt Ion: 128 Resp: 19776

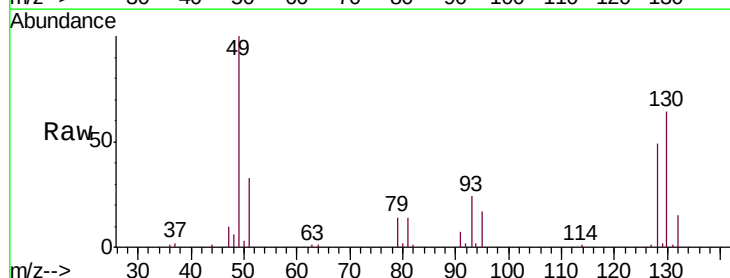
Ion Ratio Lower Upper

128 100

49 202.9 136.2 253.0

130 128.8 86.0 159.6

51 67.0 48.8 73.2

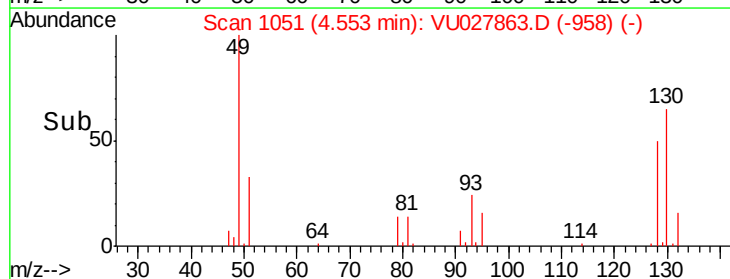
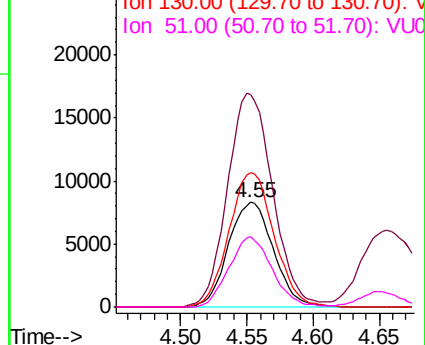


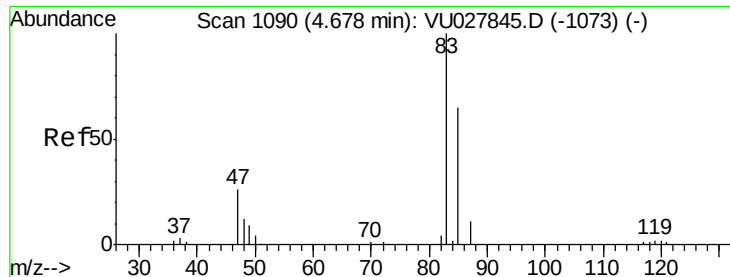
Abundance Ion 128.00 (127.70 to 128.70): VU027845.D (-1037) (-)

Ion 49.00 (48.70 to 49.70): VU027845.D (-1037) (-)

Ion 130.00 (129.70 to 130.70): VU027845.D (-1037) (-)

Ion 51.00 (50.70 to 51.70): VU027845.D (-1037) (-)





#25

Chloroform

Concen: 52.181 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

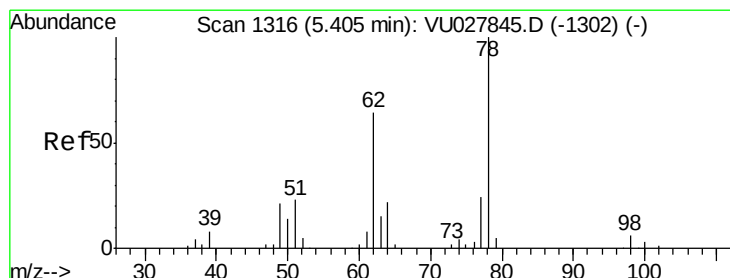
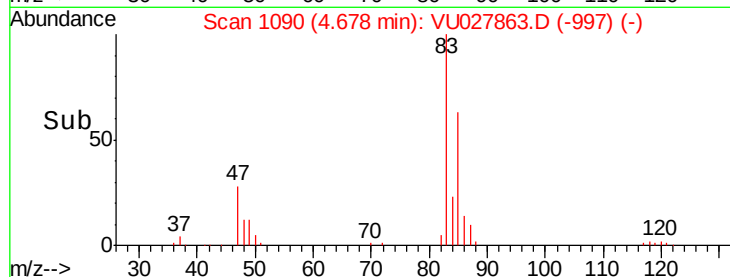
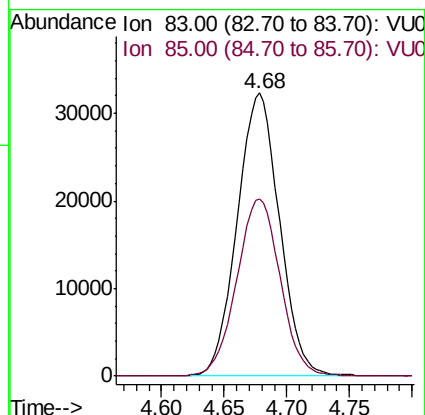
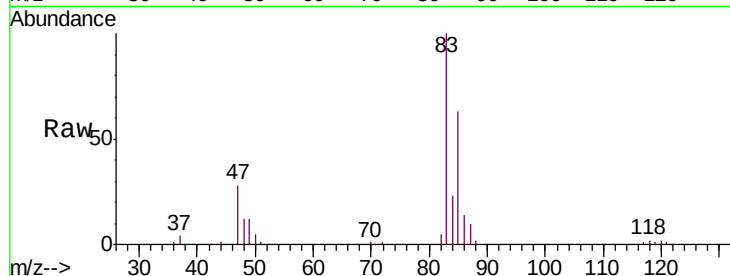
VSTD05009

Tgt Ion: 83 Resp: 75789

Ion Ratio Lower Upper

83 100

85 62.6 45.4 84.4



#27

1,2-Dichloroethane

Concen: 51.019 ug/L

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU027863.D

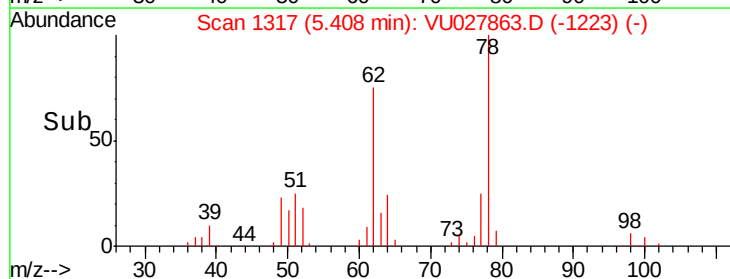
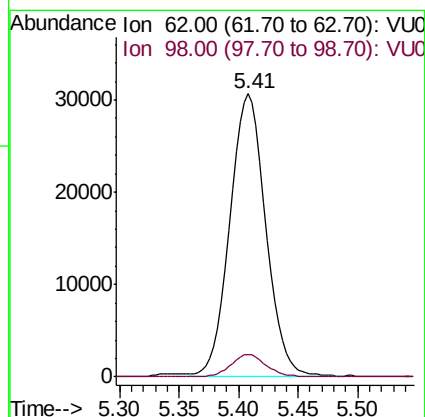
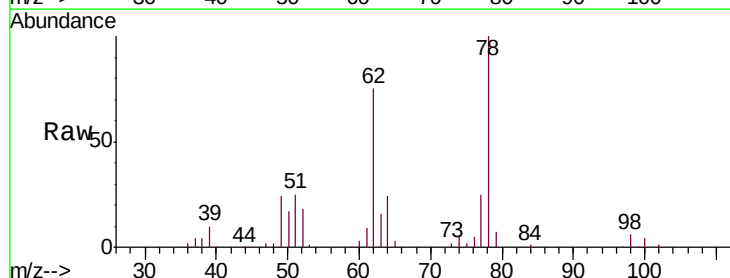
Acq: 29 Oct 2018 17:59

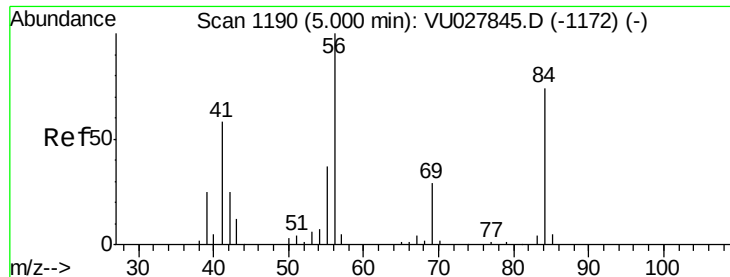
Tgt Ion: 62 Resp: 64309

Ion Ratio Lower Upper

62 100

98 8.0 6.3 9.5

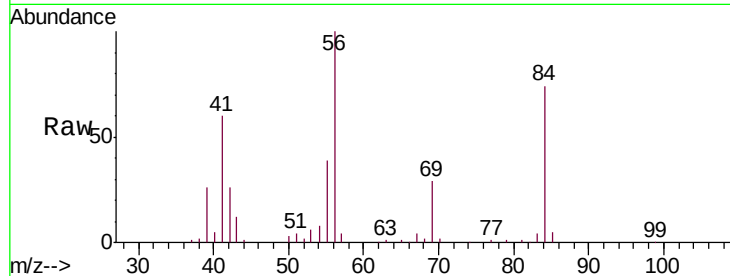




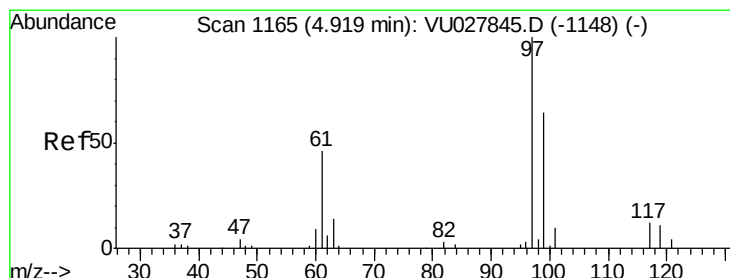
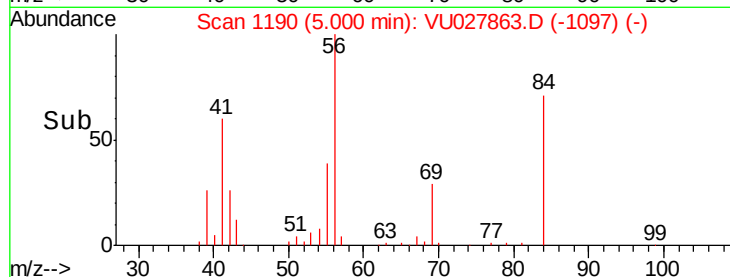
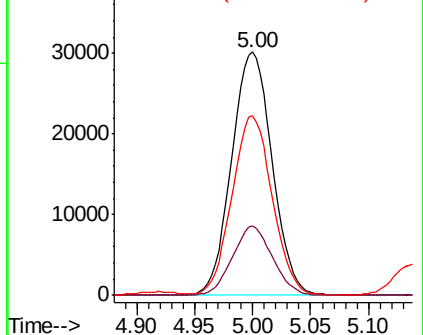
#29
Cyclohexane
Concen: 47.405 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027863.D
Acq: 29 Oct 2018 17:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD05009

Tgt Ion: 56 Resp: 73153
Ion Ratio Lower Upper
56 100
69 28.2 22.5 33.7
84 73.5 58.5 87.7

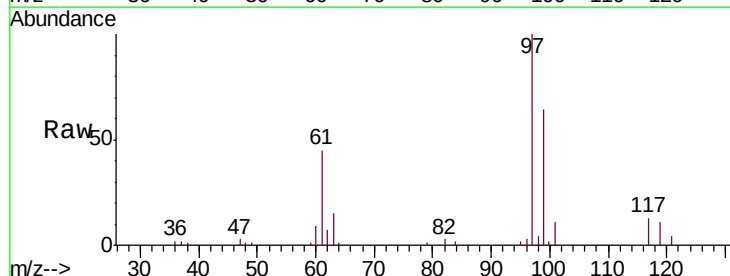


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

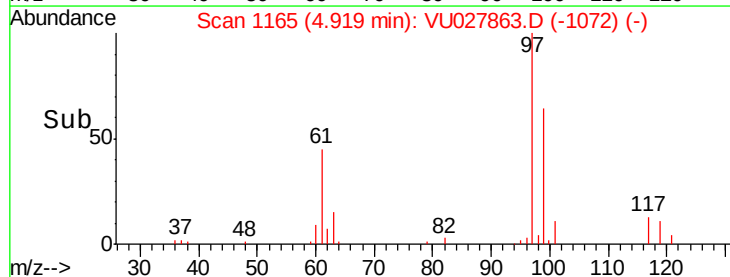
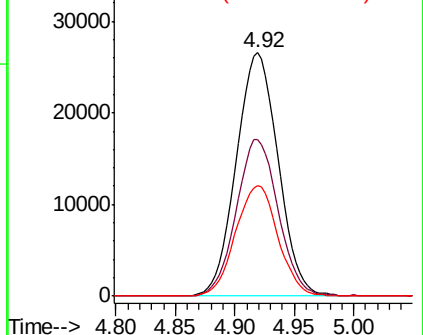


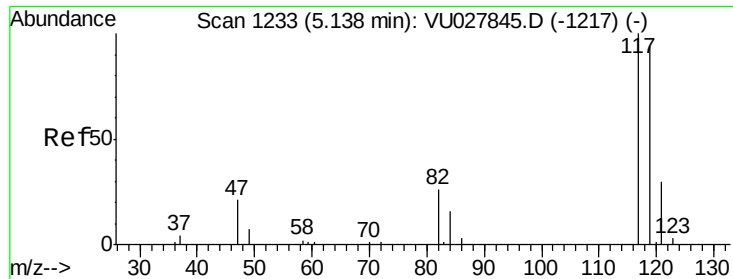
#30
1,1,1-Trichloroethane
Concen: 49.830 ug/L
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027863.D
Acq: 29 Oct 2018 17:59

Tgt Ion: 97 Resp: 65026
Ion Ratio Lower Upper
97 100
99 64.1 51.7 77.5
61 45.9 37.5 56.3



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





#31

Carbon tetrachloride

Concen: 47.328 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

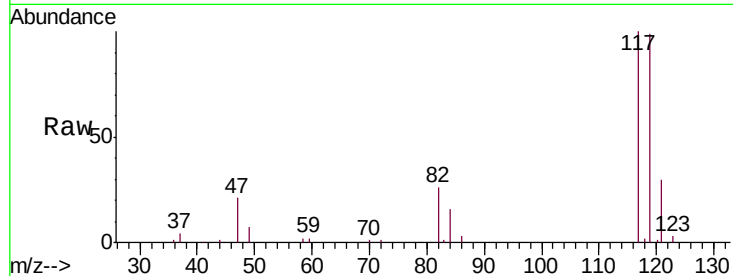
VSTD05009

Tgt Ion:117 Resp: 55578

Ion Ratio Lower Upper

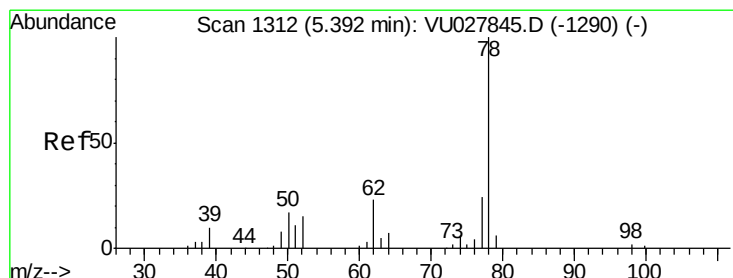
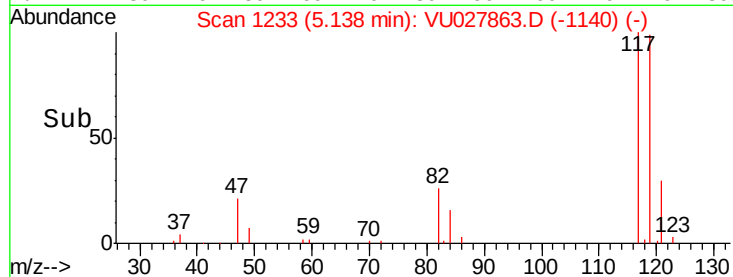
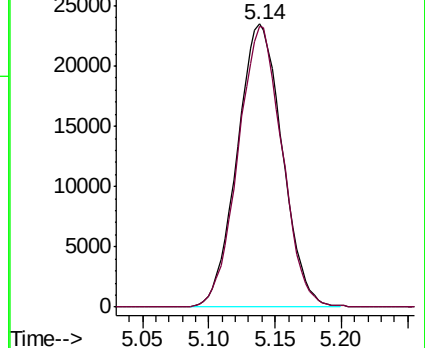
117 100

119 96.5 75.6 113.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.061 ug/L

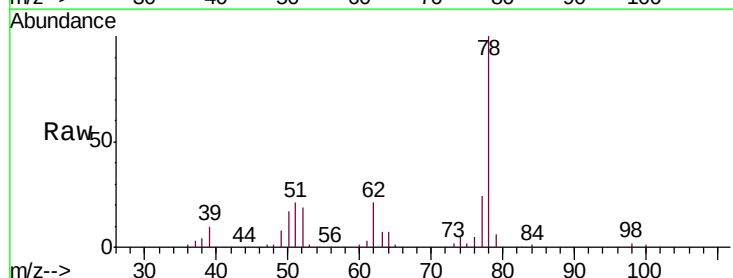
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

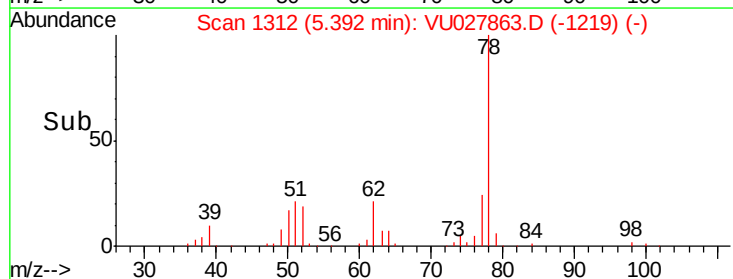
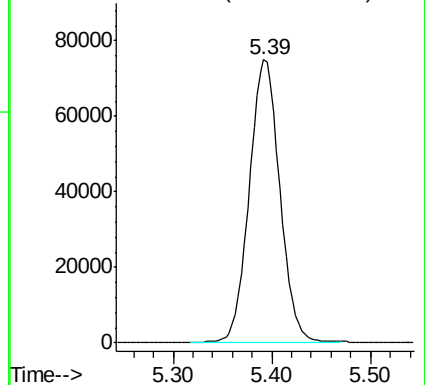
Lab File: VU027863.D

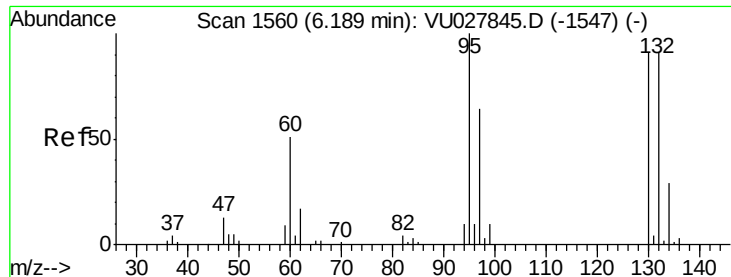
Acq: 29 Oct 2018 17:59

Tgt Ion: 78 Resp: 160331



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.617 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05009

Tgt Ion: 95 Resp: 40584

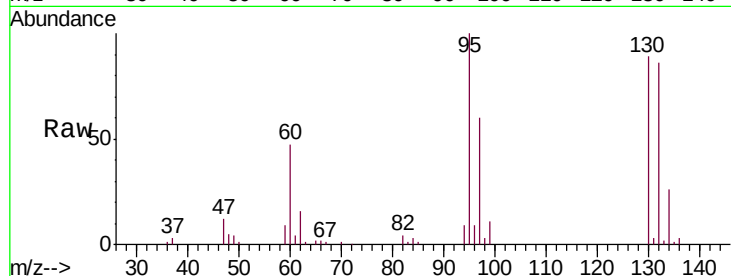
Ion Ratio Lower Upper

95 100

97 59.9 45.8 85.2

132 85.8 62.1 115.3

130 89.5 65.0 120.6

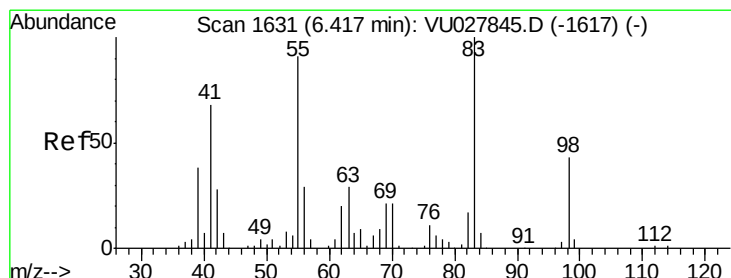
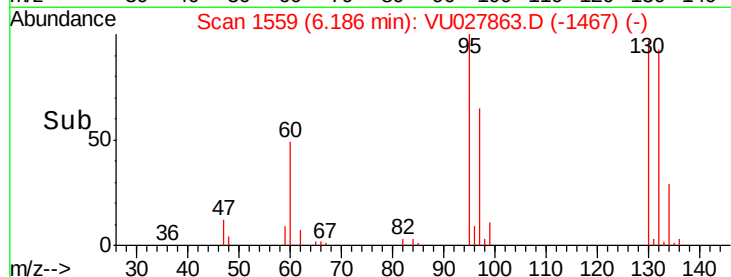
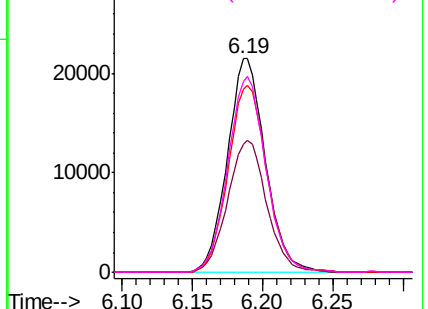


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 48.157 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

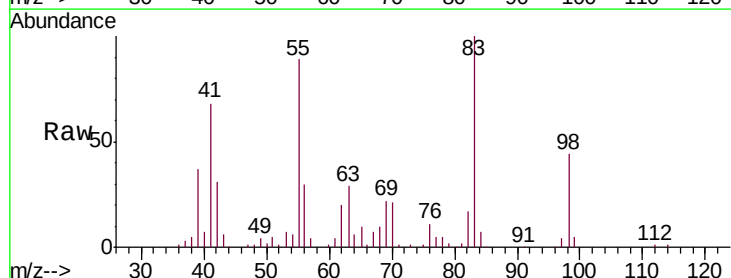
Tgt Ion: 83 Resp: 66777

Ion Ratio Lower Upper

83 100

55 87.0 71.9 107.9

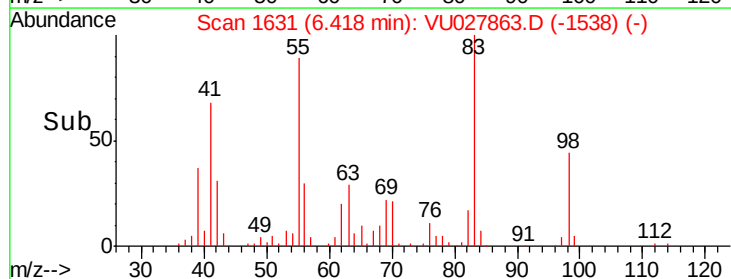
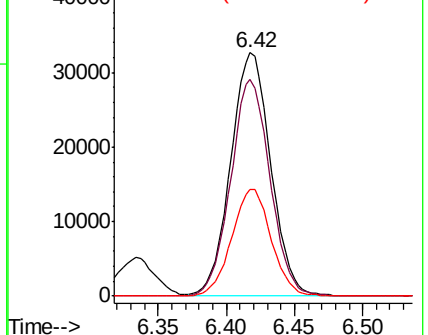
98 43.0 34.6 52.0

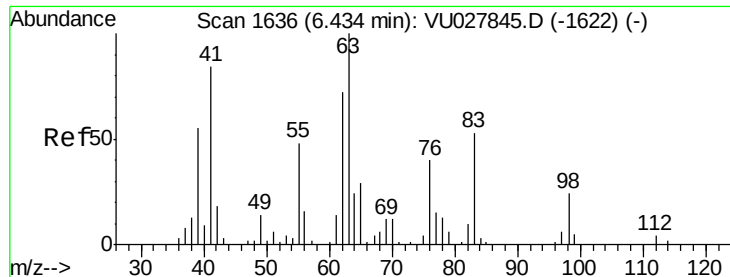


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

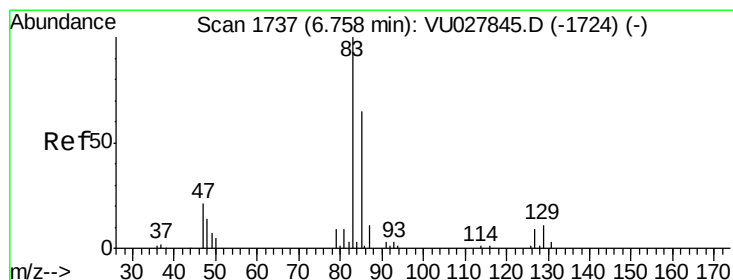
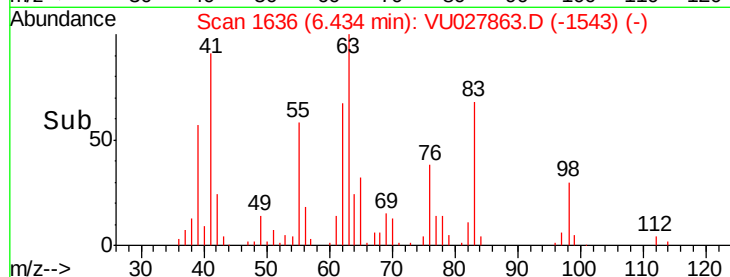
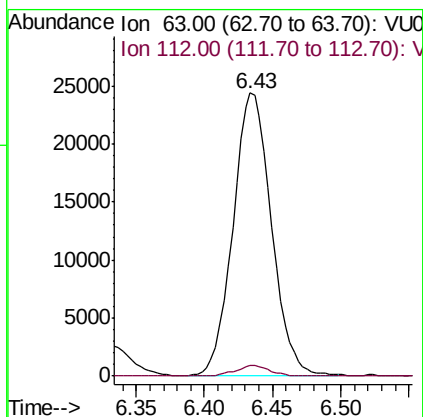
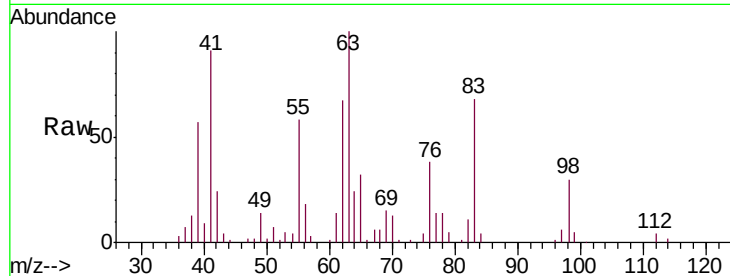




#37
 1,2-Dichloropropane
 Concen: 50.386 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027863.D
 Acq: 29 Oct 2018 17:59

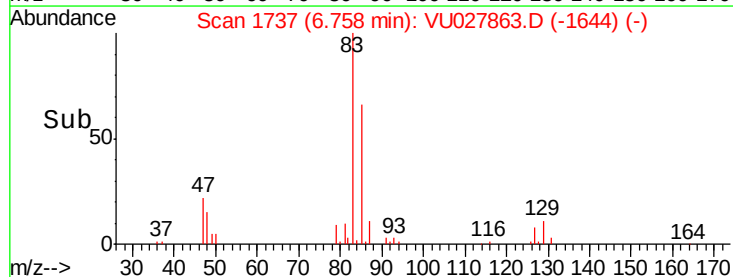
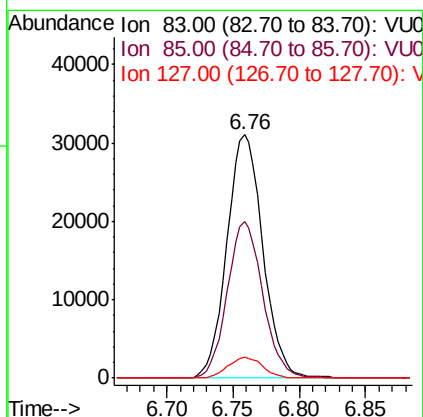
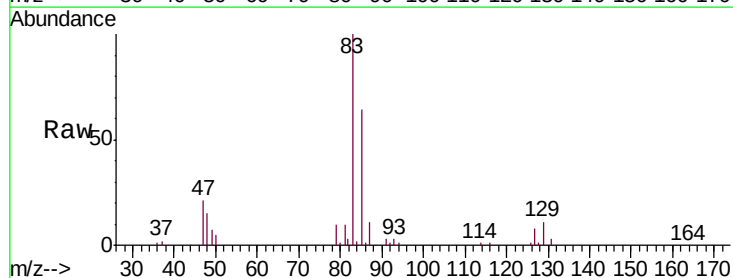
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05009

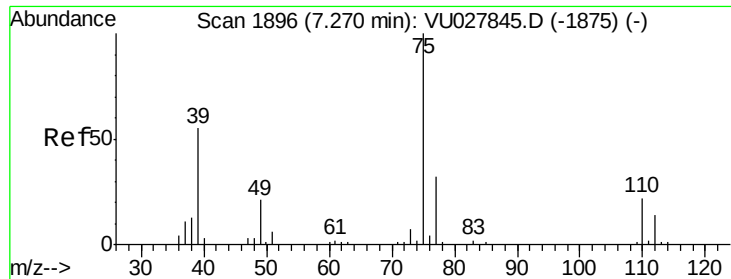
Tgt Ion: 63 Resp: 47680
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.6 3.8



#38
 Bromodichloromethane
 Concen: 49.830 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027863.D
 Acq: 29 Oct 2018 17:59

Tgt Ion: 83 Resp: 58597
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.5 82.7
 127 8.3 6.2 9.2

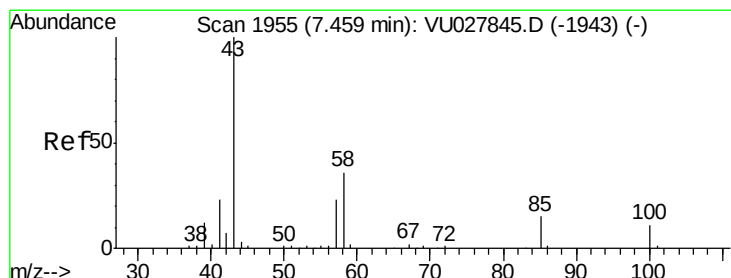
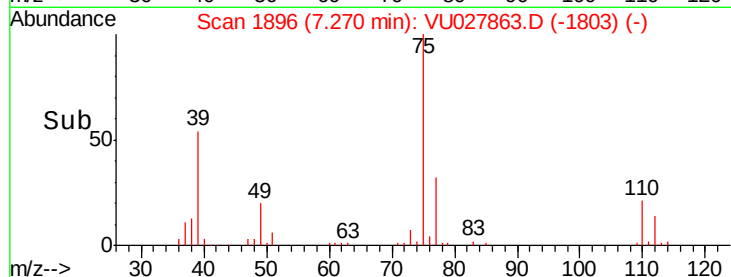
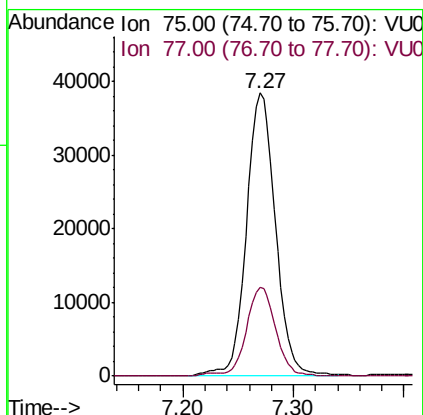
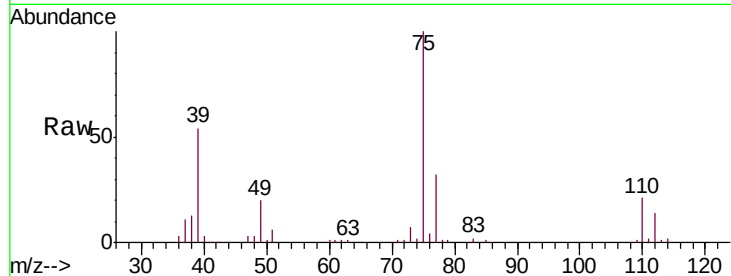




#39
 cis-1,3-Dichloropropene
 Concen: 48.251 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027863.D
 Acq: 29 Oct 2018 17:59

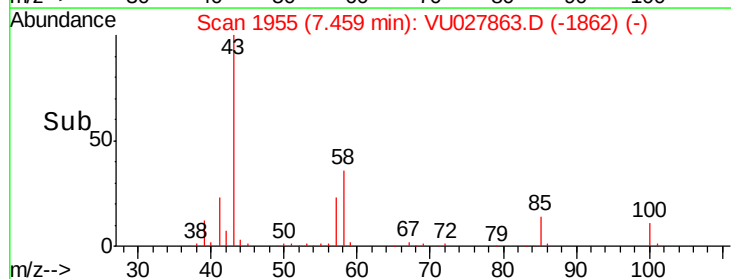
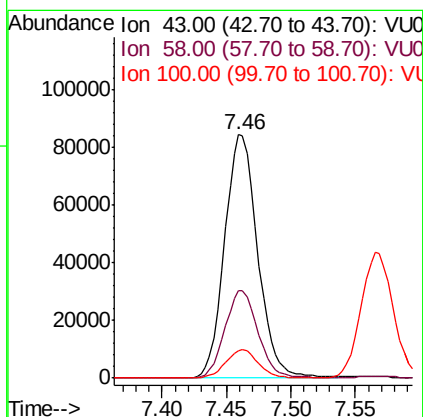
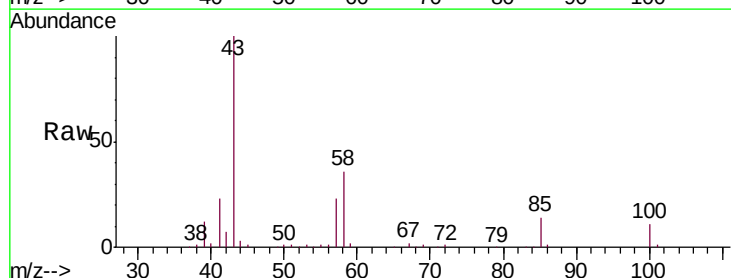
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05009

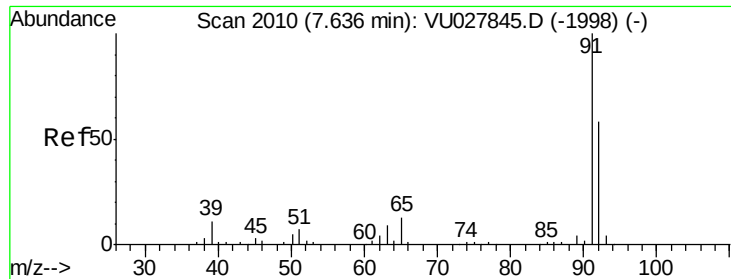
Tgt Ion: 75 Resp: 70305
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 98.865 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU027863.D
 Acq: 29 Oct 2018 17:59

Tgt Ion: 43 Resp: 150360
 Ion Ratio Lower Upper
 43 100
 58 36.3 28.3 42.5
 100 11.3 9.1 13.7





#42

Toluene

Concen: 49.905 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

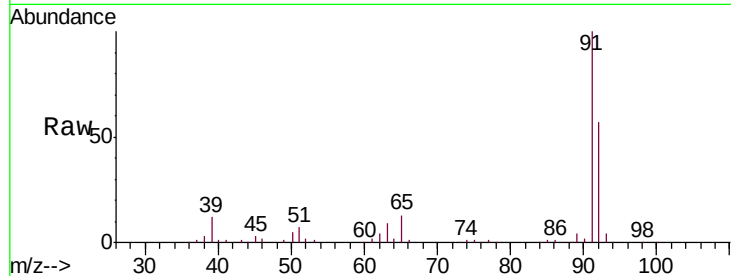
VSTD05009

Tgt Ion: 91 Resp: 167387

Ion Ratio Lower Upper

91 100

92 56.9 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

100000

80000

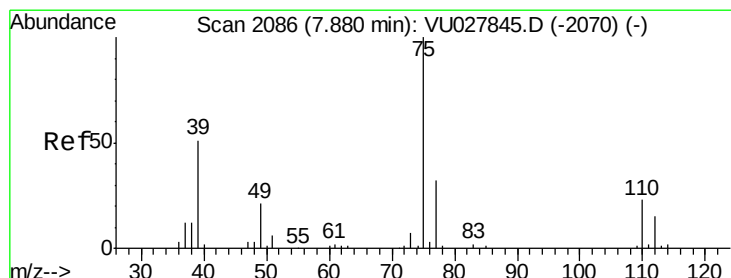
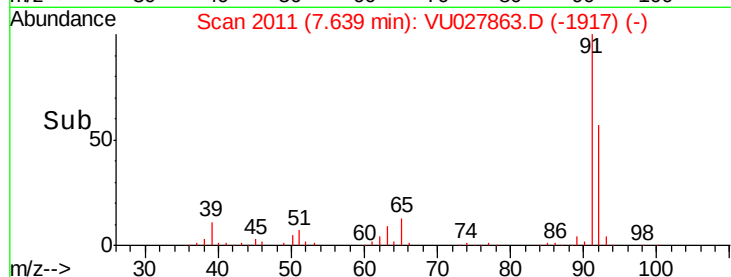
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.413 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027863.D

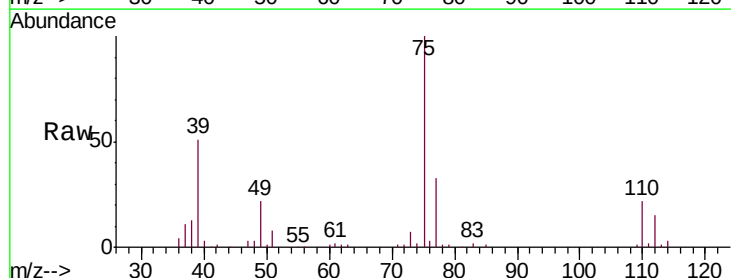
Acq: 29 Oct 2018 17:59

Tgt Ion: 75 Resp: 65350

Ion Ratio Lower Upper

75 100

77 32.7 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

40000

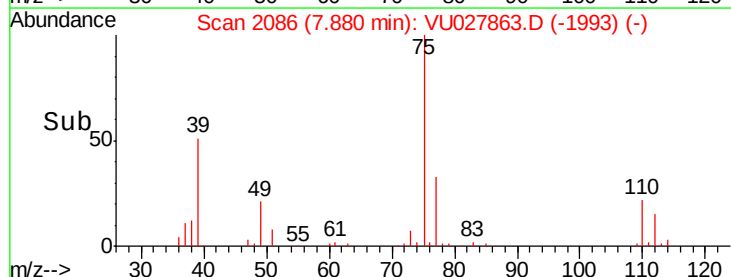
30000

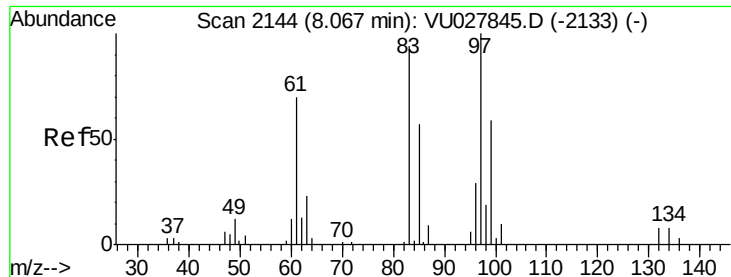
20000

10000

0

Time-->

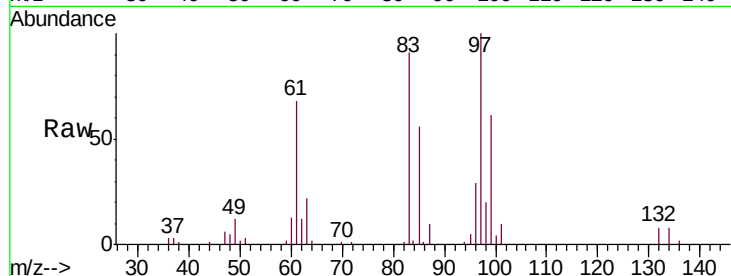




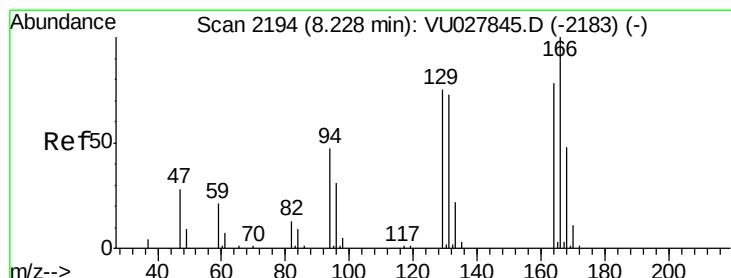
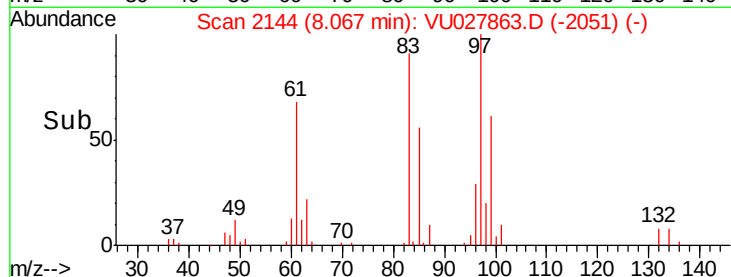
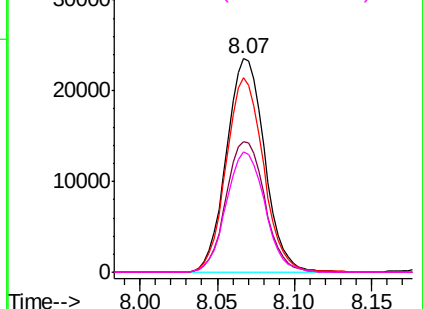
#45
 1,1,2-Trichloroethane
 Concen: 51.675 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027863.D
 Acq: 29 Oct 2018 17:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05009

Tgt Ion:	97	Resp:	40391
Ion	Ratio	Lower	Upper
97	100		
99	61.4	42.6	79.2
83	91.1	62.4	115.8
85	56.2	41.6	77.2

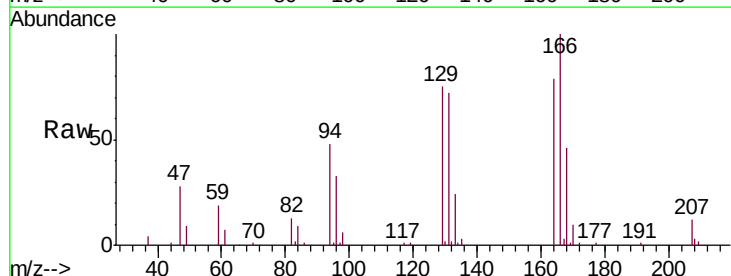


Abundance Ion 97.00 (96.70 to 97.70): VU027845.D (-2133) (-)
 Ion 99.00 (98.70 to 99.70): VU027845.D (-2133) (-)
 Ion 83.00 (82.70 to 83.70): VU027845.D (-2133) (-)
 Ion 85.00 (84.70 to 85.70): VU027845.D (-2133) (-)

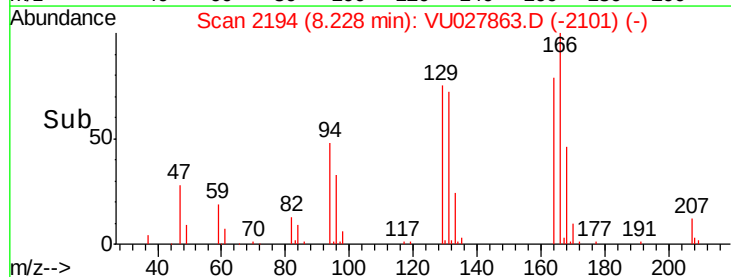
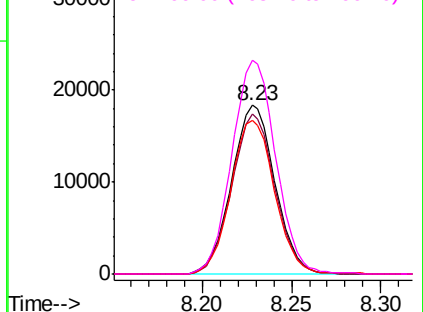


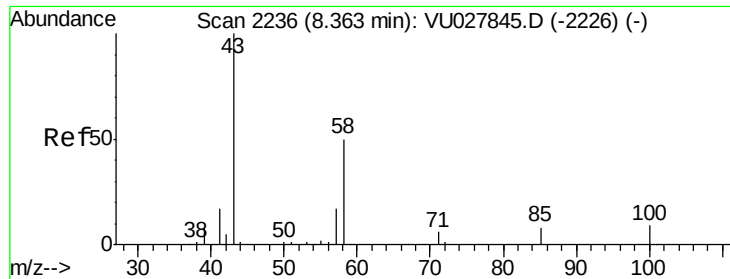
#46
 Tetrachloroethene
 Concen: 50.230 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027863.D
 Acq: 29 Oct 2018 17:59

Tgt Ion:	164	Resp:	31102
Ion	Ratio	Lower	Upper
164	100		
129	94.6	68.5	127.3
131	91.1	67.1	124.5
166	126.6	92.2	171.2



Abundance Ion 164.00 (163.70 to 164.70): VU027845.D (-2183) (-)
 Ion 129.00 (128.70 to 129.70): VU027845.D (-2183) (-)
 Ion 131.00 (130.70 to 131.70): VU027845.D (-2183) (-)
 Ion 166.00 (165.70 to 166.70): VU027845.D (-2183) (-)

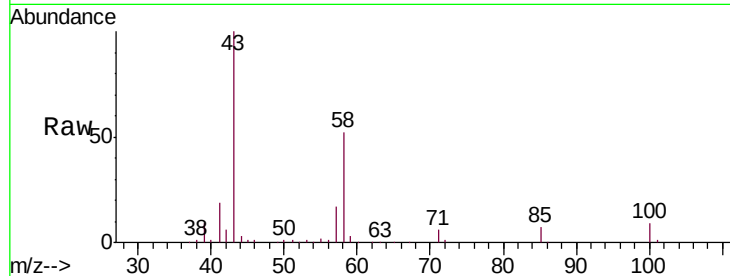




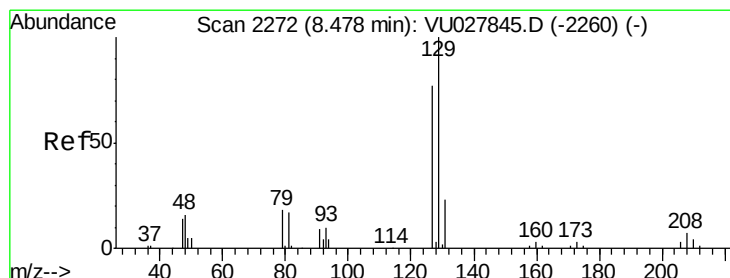
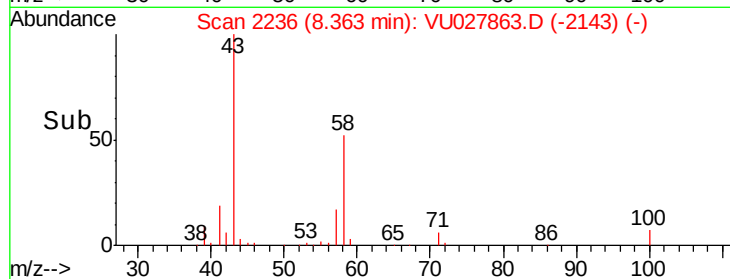
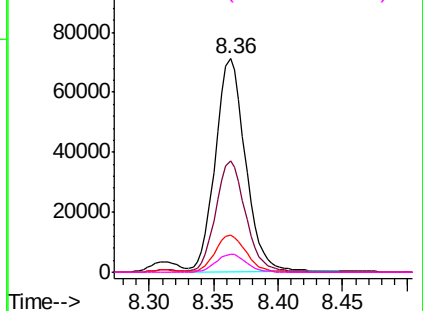
#48
2-Hexanone
Concen: 97.740 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027863.D
Acq: 29 Oct 2018 17:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD05009

Tgt Ion: 43 Resp: 115279
Ion Ratio Lower Upper
43 100
58 51.6 38.8 58.2
57 17.5 13.1 19.7
100 8.7 6.8 10.2

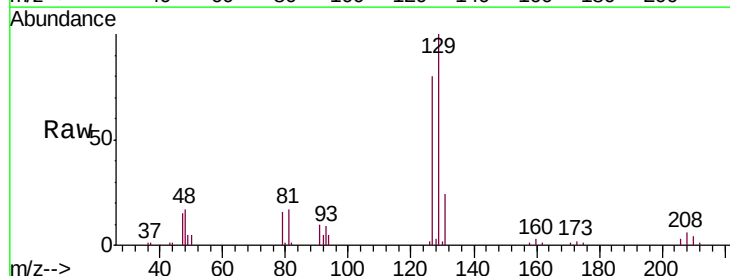


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

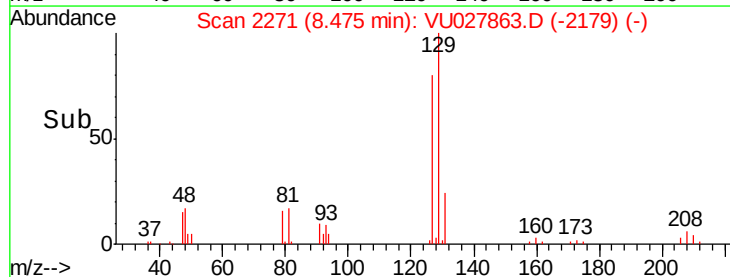
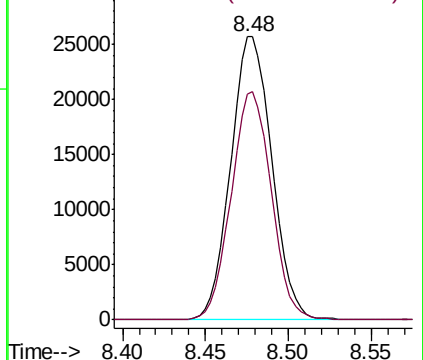


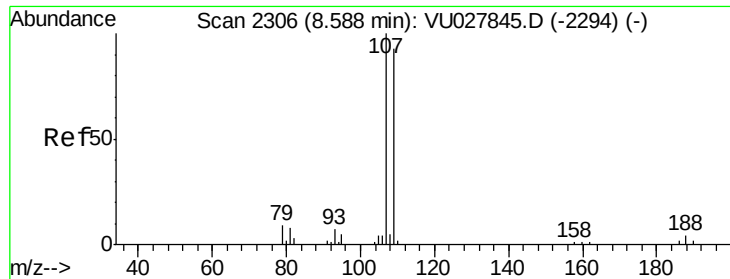
#49
Dibromochloromethane
Concen: 48.015 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU027863.D
Acq: 29 Oct 2018 17:59

Tgt Ion: 129 Resp: 44471
Ion Ratio Lower Upper
129 100
127 79.7 54.1 100.5



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

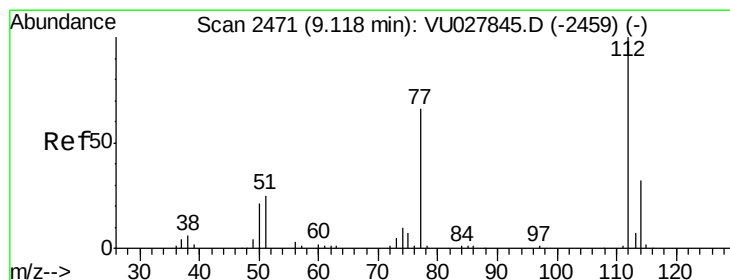
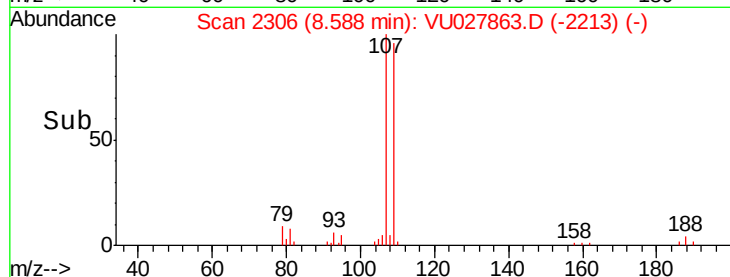
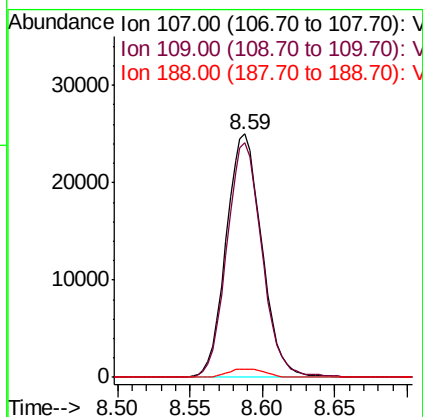
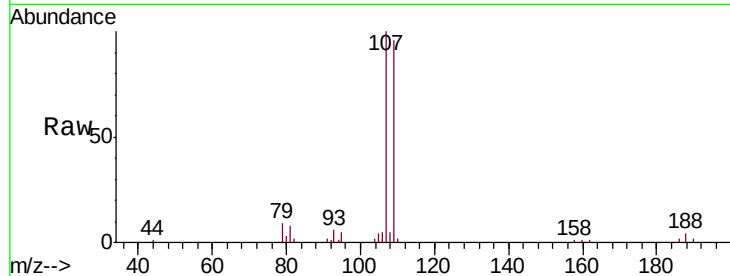




#50
1,2-Dibromoethane
Concen: 51.189 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027863.D
Acq: 29 Oct 2018 17:59

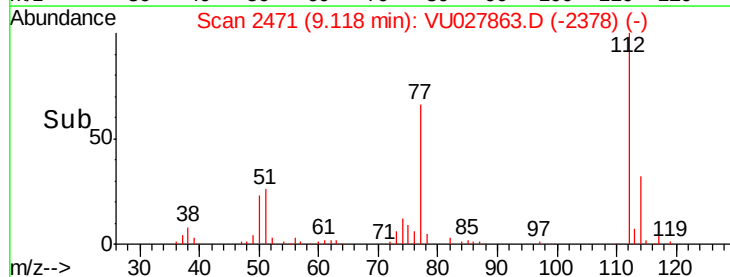
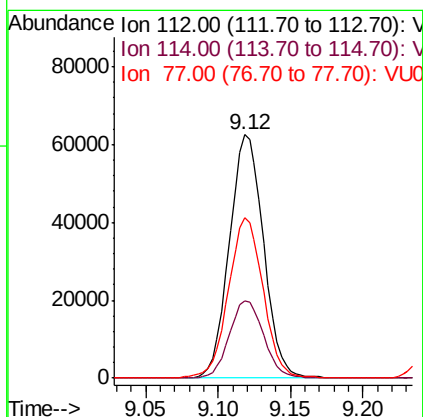
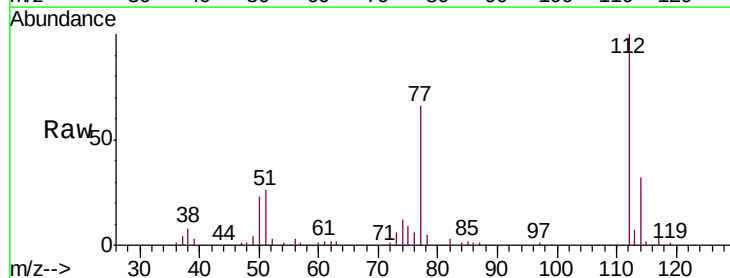
Instrument :
MSVOA_U
ClientSampleId :
VSTD05009

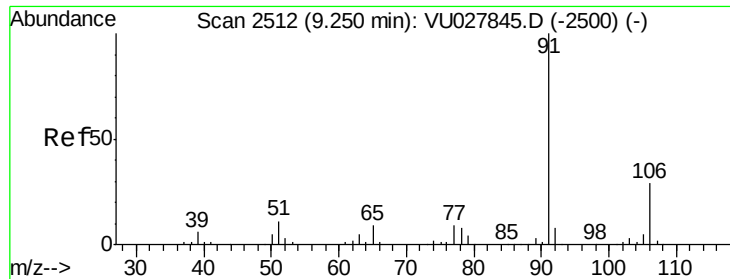
Tgt Ion:107 Resp: 42705
Ion Ratio Lower Upper
107 100
109 96.2 68.4 127.0
188 3.5 3.3 4.9



#51
Chlorobenzene
Concen: 49.866 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027863.D
Acq: 29 Oct 2018 17:59

Tgt Ion:112 Resp: 102541
Ion Ratio Lower Upper
112 100
114 31.7 21.9 40.7
77 65.7 52.2 78.2





#52

Ethylbenzene

Concen: 50.092 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

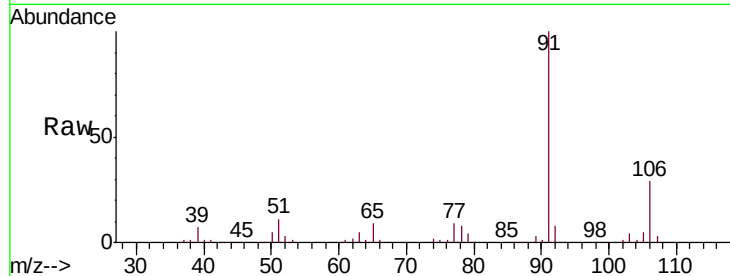
VSTD05009

Tgt Ion: 91 Resp: 190051

Ion Ratio Lower Upper

91 100

106 29.0 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU027845.D (-2500) (-)

Ion 106.00 (105.70 to 106.70): VU027845.D (-2500) (-)

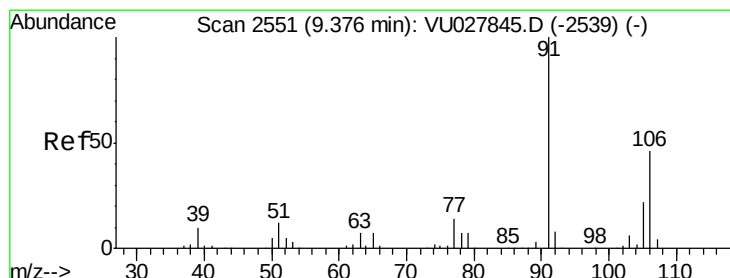
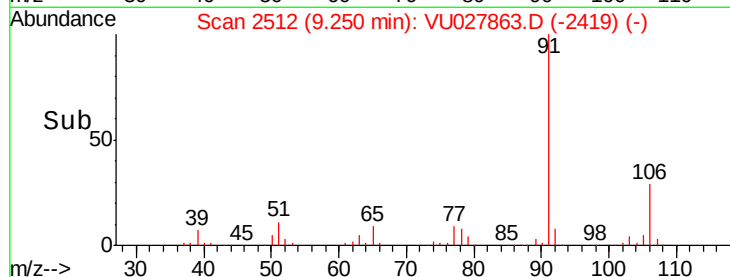
9.25

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 49.406 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027863.D

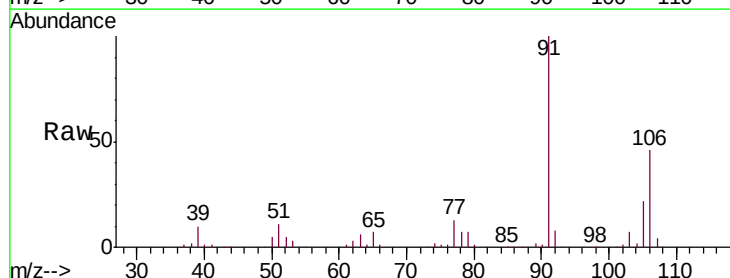
Acq: 29 Oct 2018 17:59

Tgt Ion: 106 Resp: 67716

Ion Ratio Lower Upper

106 100

91 216.5 147.9 274.7



Abundance Ion 106.00 (105.70 to 106.70): VU027845.D (-2539) (-)

Ion 91.00 (90.70 to 91.70): VU027845.D (-2539) (-)

9.38

100000

80000

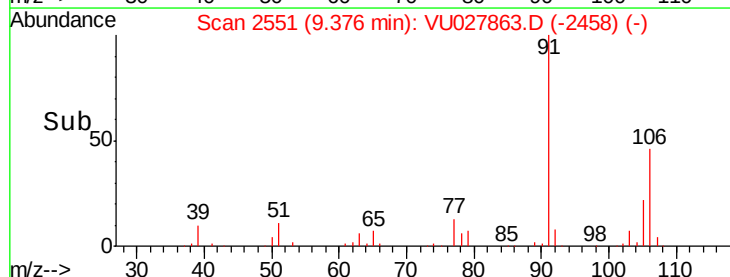
60000

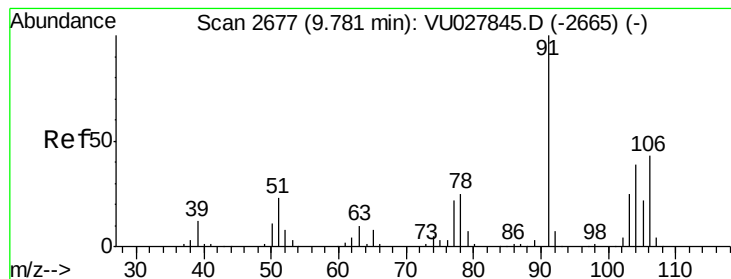
40000

20000

0

Time-->





#54

o-xylene

Concen: 50.535 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

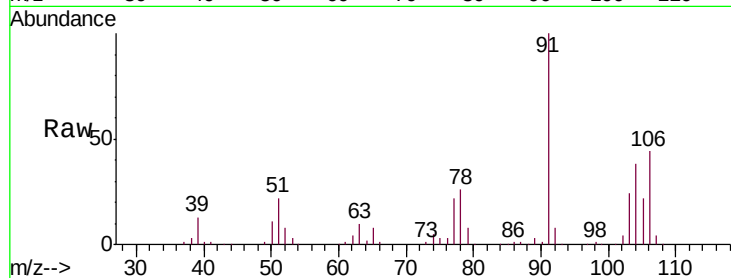
VSTD05009

Tgt Ion:106 Resp: 69042

Ion Ratio Lower Upper

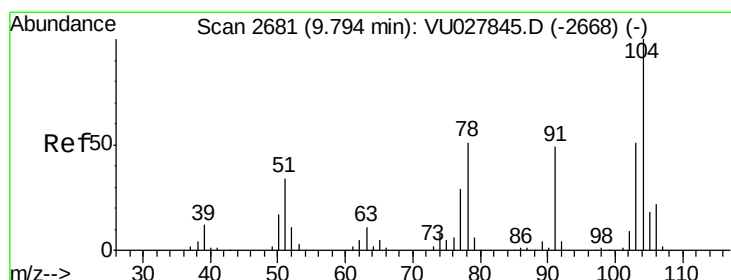
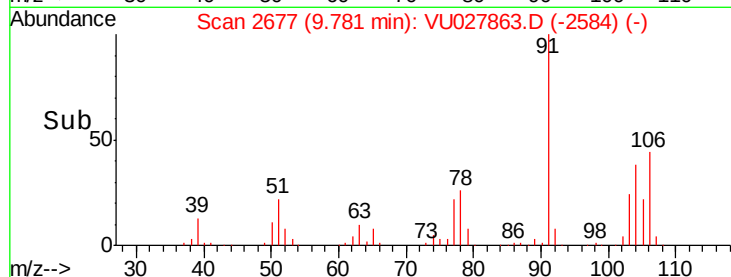
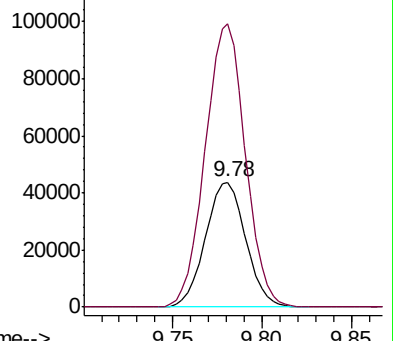
106 100

91 226.2 159.4 296.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.142 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027863.D

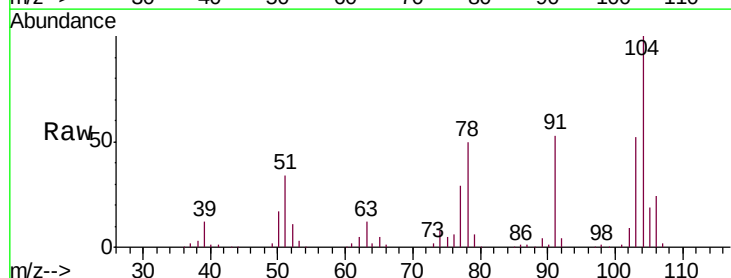
Acq: 29 Oct 2018 17:59

Tgt Ion:104 Resp: 116604

Ion Ratio Lower Upper

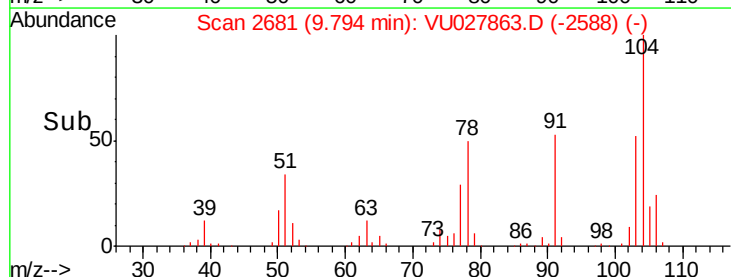
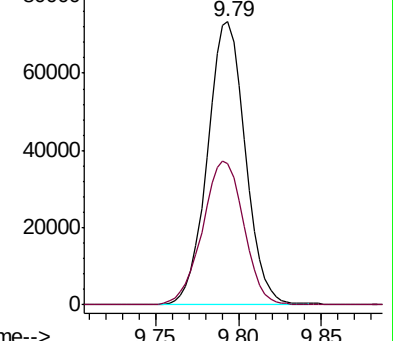
104 100

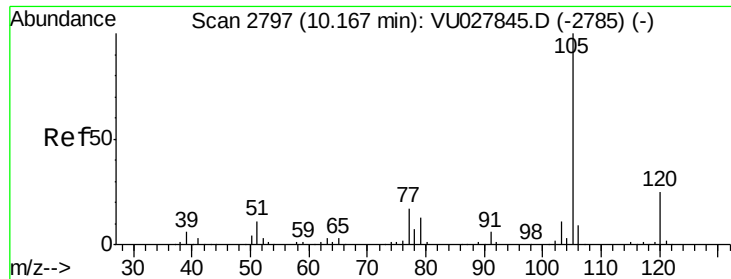
78 49.7 36.5 67.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.069 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05009

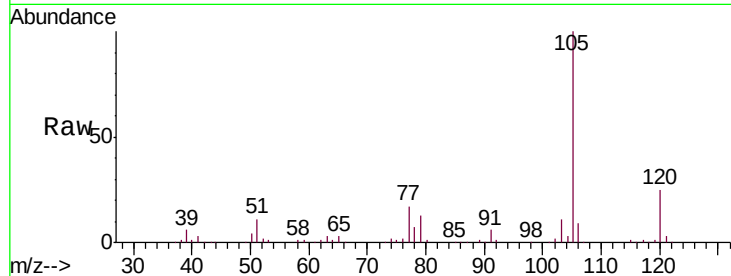
Tgt Ion: 105 Resp: 184780

Ion Ratio Lower Upper

105 100

120 25.0 21.0 31.6

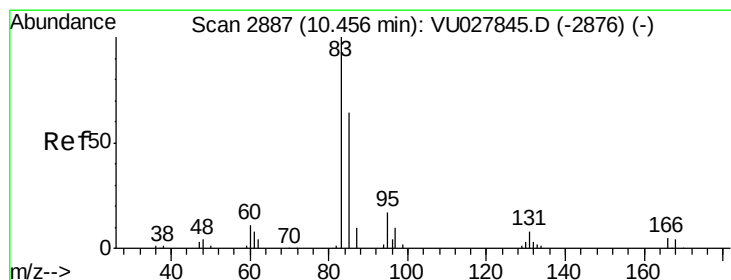
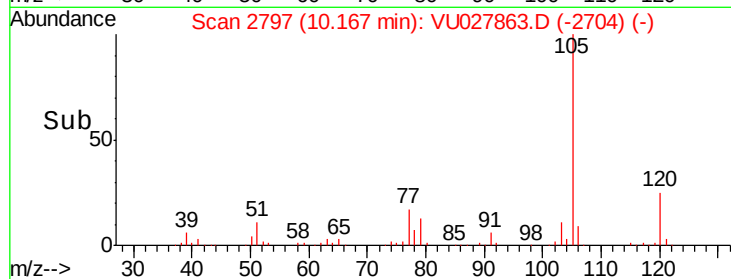
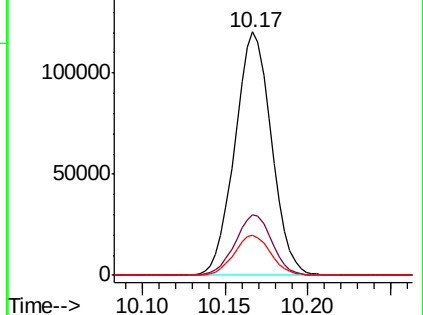
77 16.6 13.7 20.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.802 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

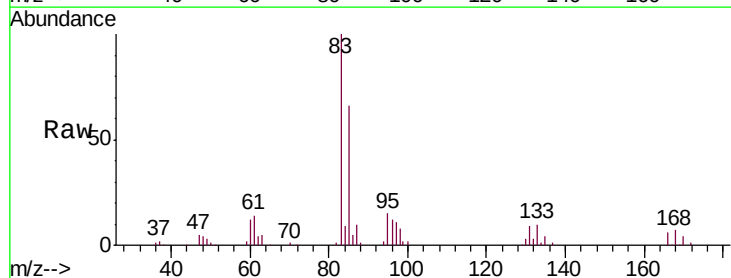
Tgt Ion: 83 Resp: 70613

Ion Ratio Lower Upper

83 100

85 65.8 44.6 82.8

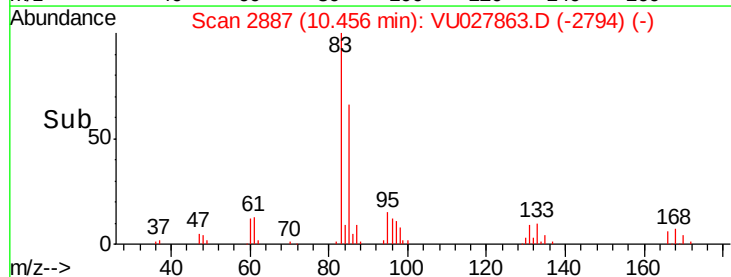
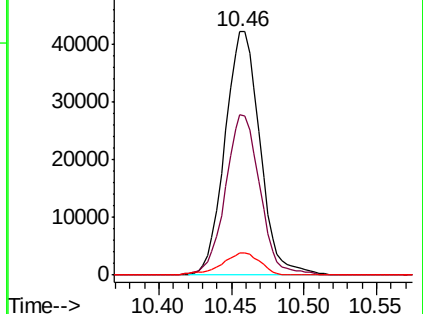
131 9.0 6.9 10.3

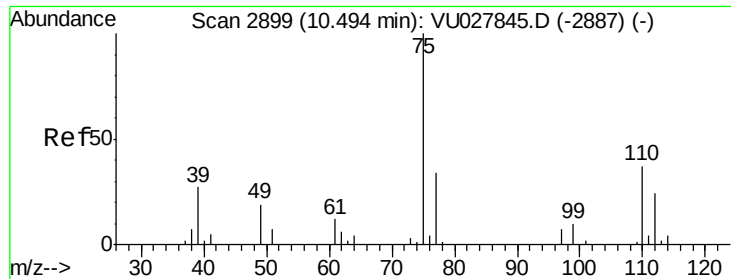


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.422 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

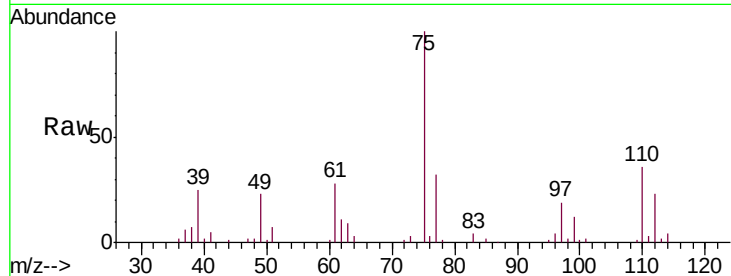
VSTD05009

Tgt Ion: 75 Resp: 55271

Ion Ratio Lower Upper

75 100

77 32.2 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU027845.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU027845.D (-2887) (-)

10.49

40000

30000

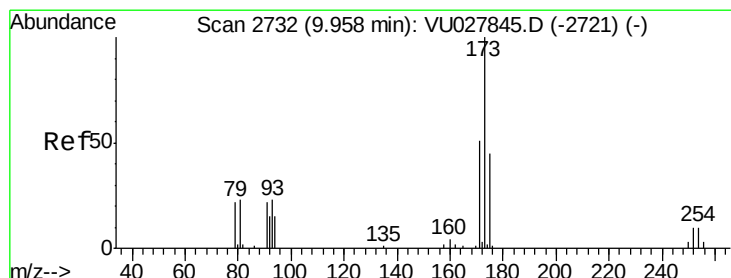
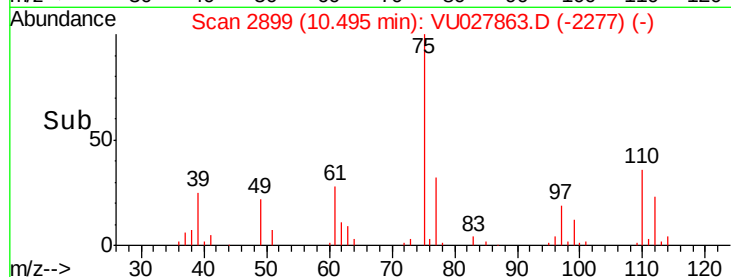
20000

10000

0

10.45 10.50 10.55

Time-->



#61

Bromoform

Concen: 46.942 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

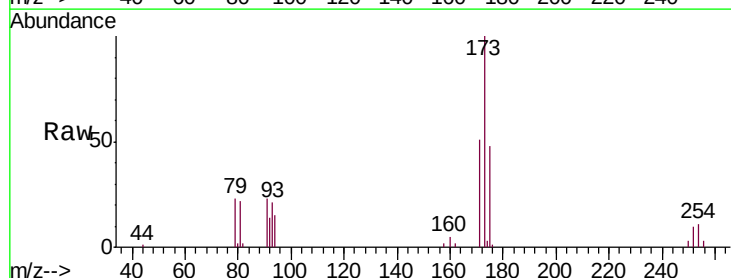
Tgt Ion: 173 Resp: 33153

Ion Ratio Lower Upper

173 100

175 49.1 38.6 58.0

254 10.5 7.9 11.9



Abundance Ion 173.00 (172.70 to 173.70): VU027845.D (-2721) (-)

Ion 175.00 (174.70 to 175.70): VU027845.D (-2721) (-)

Ion 254.00 (253.70 to 254.70): VU027845.D (-2721) (-)

9.96

25000

20000

15000

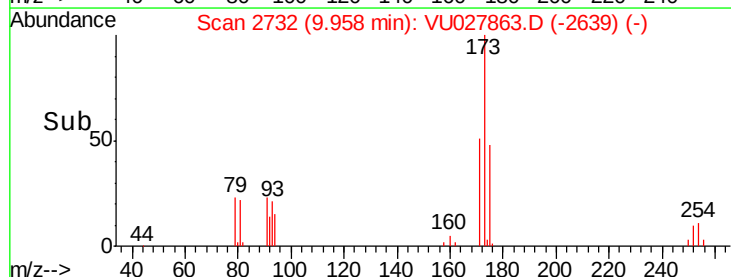
10000

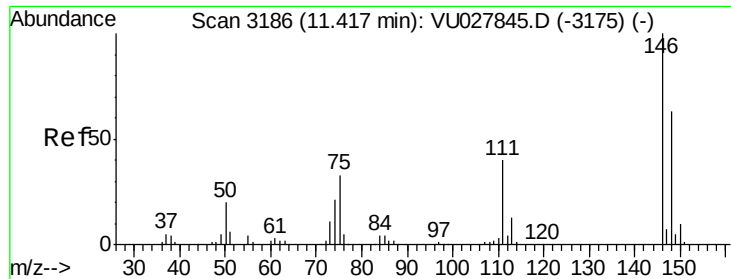
5000

0

9.90 9.95 10.00

Time-->





#62

1,3-Dichlorobenzene

Concen: 50.709 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05009

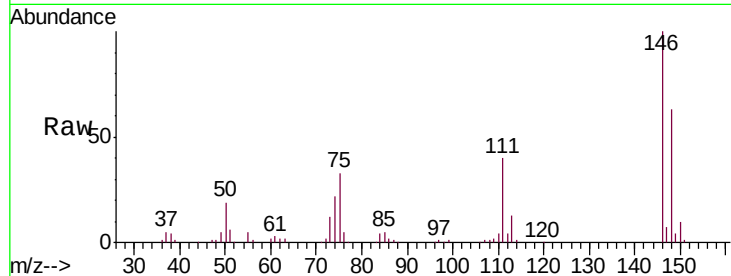
Tgt Ion:146 Resp: 80559

Ion Ratio Lower Upper

146 100

111 39.8 28.1 52.3

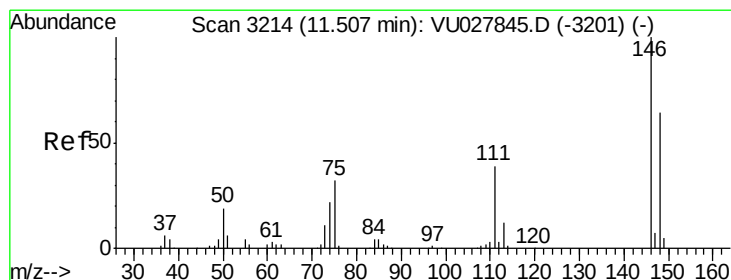
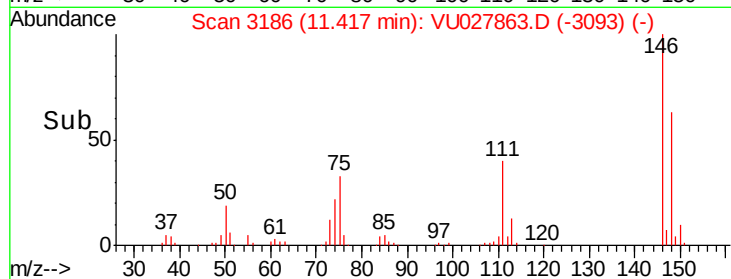
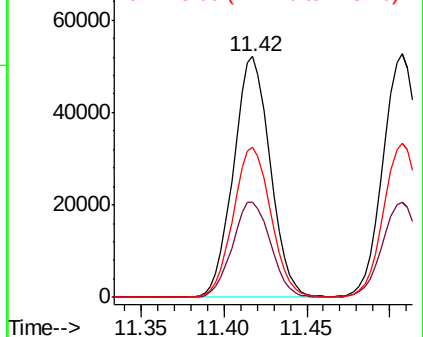
148 62.5 43.7 81.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.050 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027863.D

Acq: 29 Oct 2018 17:59

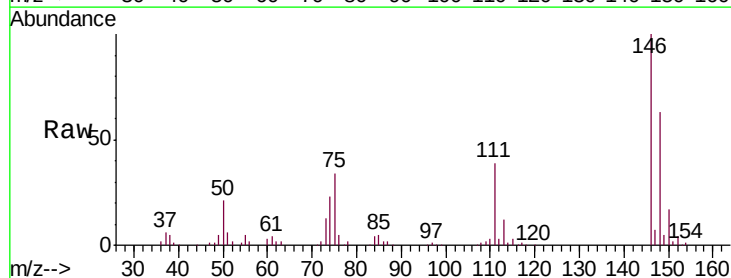
Tgt Ion:146 Resp: 82697

Ion Ratio Lower Upper

146 100

111 39.2 27.5 51.1

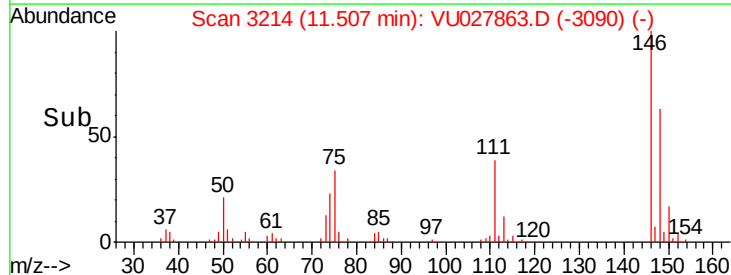
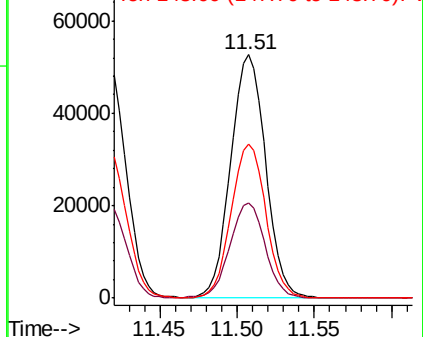
148 63.4 44.1 81.9

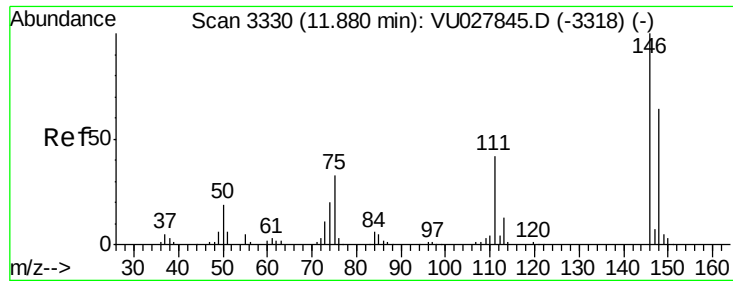


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

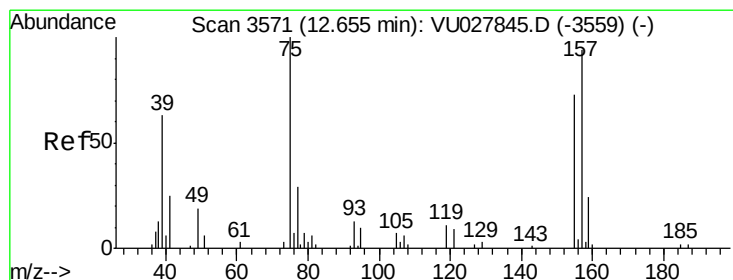
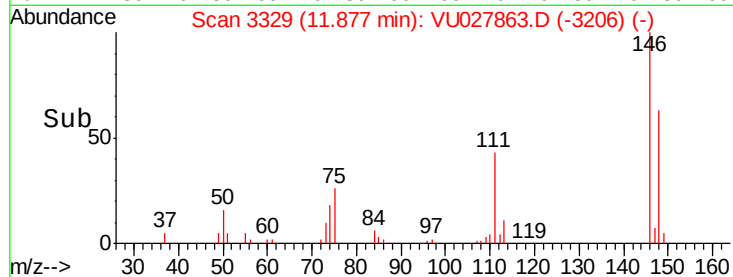
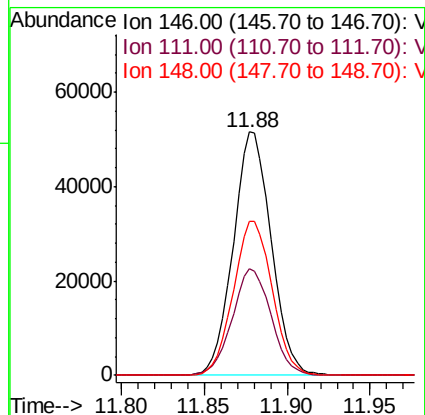
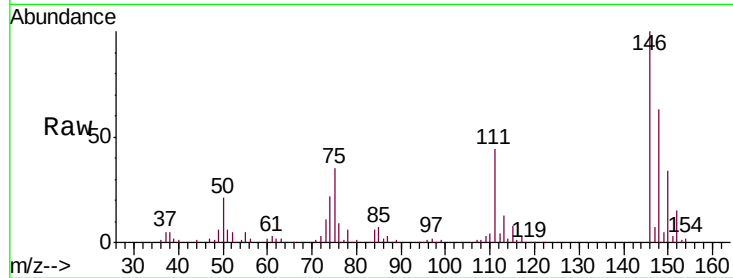




#65
 1,2-Dichlorobenzene
 Concen: 50.194 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU027863.D
 Acq: 29 Oct 2018 17:59

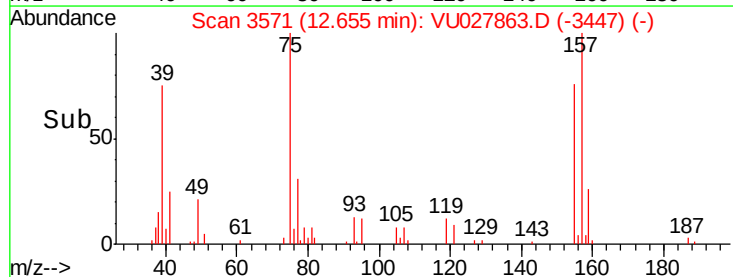
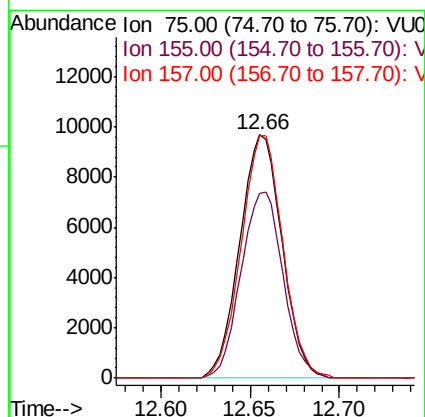
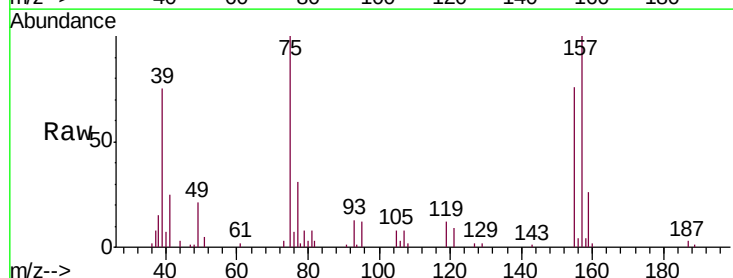
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05009

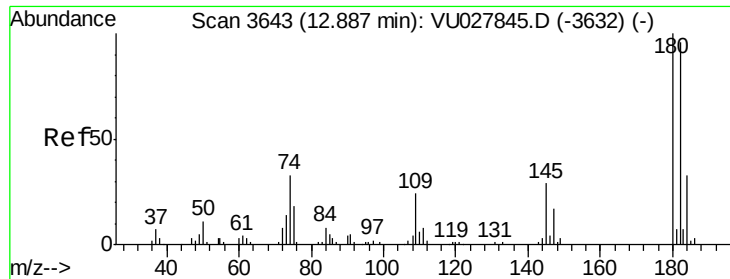
Tgt Ion: 146 Resp: 82017
 Ion Ratio Lower Upper
 146 100
 111 43.9 33.8 50.8
 148 63.0 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.993 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027863.D
 Acq: 29 Oct 2018 17:59

Tgt Ion: 75 Resp: 16000
 Ion Ratio Lower Upper
 75 100
 155 75.7 57.4 86.2
 157 99.8 75.9 113.9

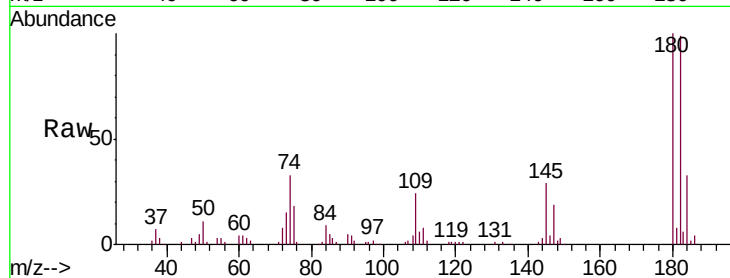




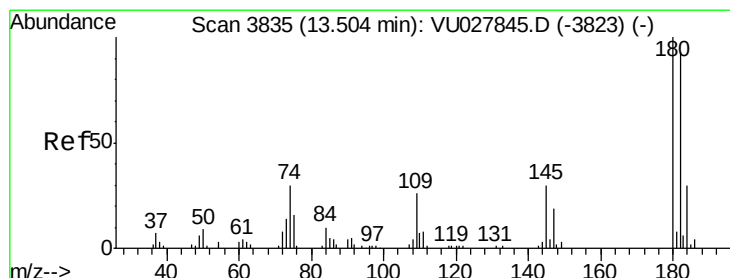
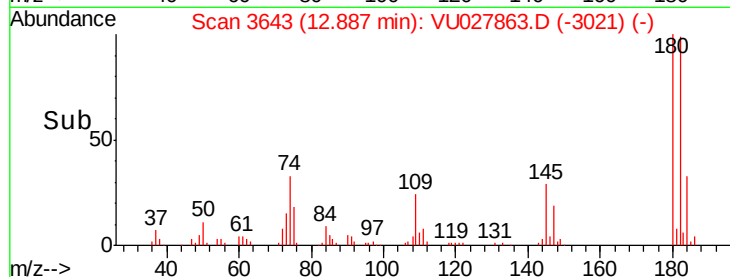
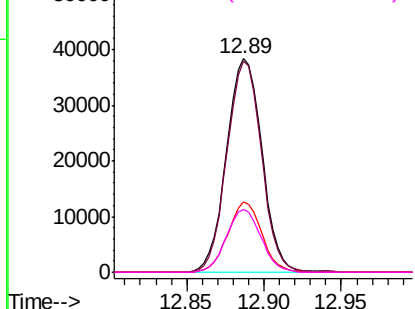
#67
 1,3,5-Trichlorobenzene
 Concen: 49.670 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027863.D
 Acq: 29 Oct 2018 17:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05009

Tgt Ion:180 Resp: 61029
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.9 113.9
 184 31.5 24.7 37.1
 145 28.6 23.0 34.4

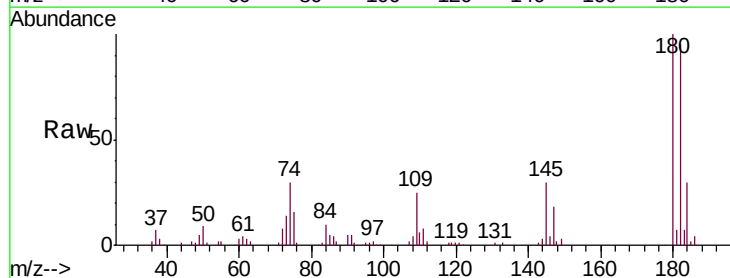


Abundance Ion 180.00 (179.70 to 180.70): V
 60000 Ion 182.00 (181.70 to 182.70): V
 50000 Ion 184.00 (183.70 to 184.70): V
 40000 Ion 145.00 (144.70 to 145.70): V

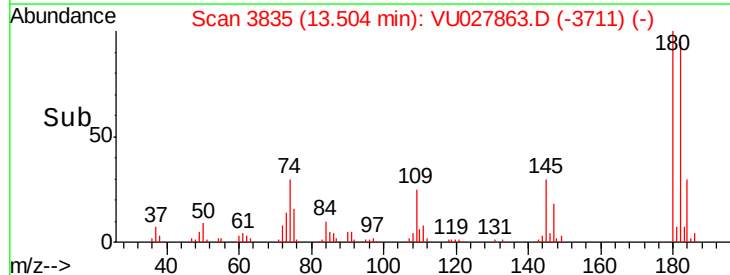
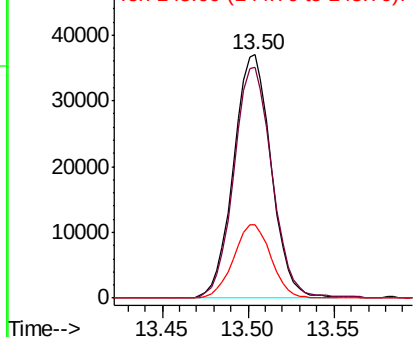


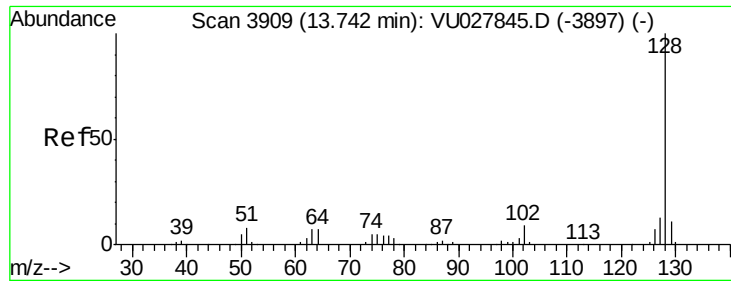
#68
 1,2,4-trichlorobenzene
 Concen: 51.919 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027863.D
 Acq: 29 Oct 2018 17:59

Tgt Ion:180 Resp: 56633
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.1 115.7
 145 29.8 23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): V
 50000 Ion 182.00 (181.70 to 182.70): V
 40000 Ion 145.00 (144.70 to 145.70): V

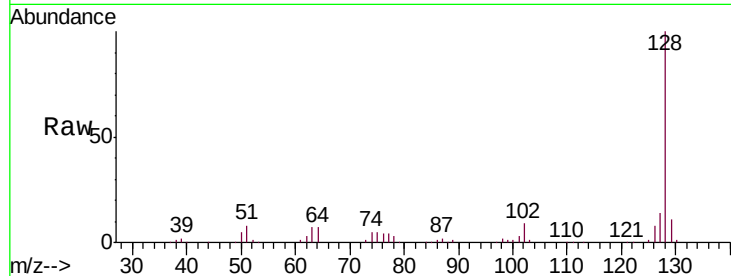




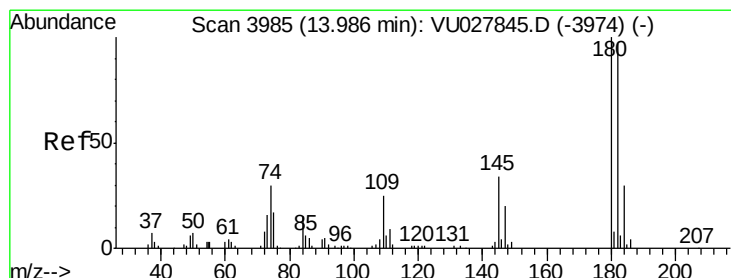
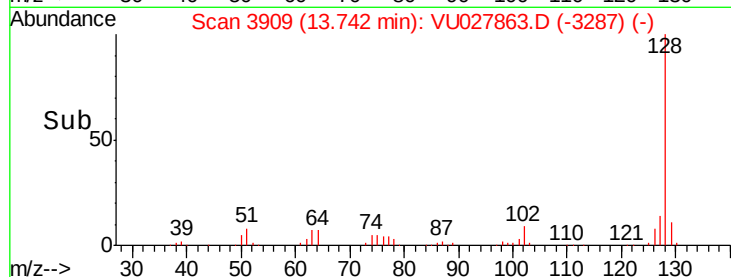
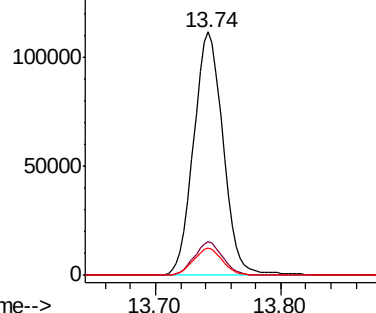
#69
Naphthalene
Concen: 51.581 ug/L
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027863.D
Acq: 29 Oct 2018 17:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD05009

Tgt Ion:128 Resp: 181722
Ion Ratio Lower Upper
128 100
127 13.3 10.9 16.3
129 10.9 8.7 13.1

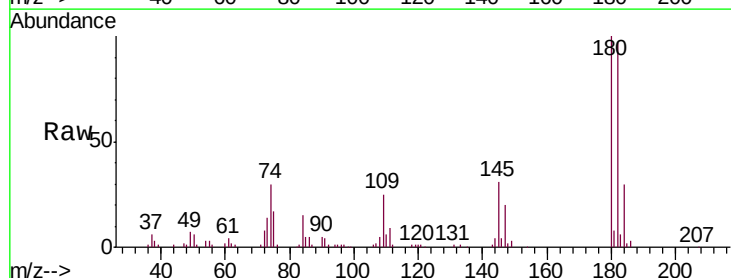


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 51.251 ug/L
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027863.D
Acq: 29 Oct 2018 17:59

Tgt Ion:180 Resp: 58427
Ion Ratio Lower Upper
180 100
182 96.5 77.8 116.6
145 30.8 25.0 37.4



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

