

Data File : VU027865.D
Acq On : 30 Oct 2018 10:41
Operator : MD/SY
Sample : VSTD0.543
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.543

Quant Time: Oct 31 01:44:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 31 01:42:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	96088	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	89534	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	44009	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	3264	0.43	ug/L	0.00
7) Chloroethane-d5	1.68	69	2641	0.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	6541	0.46	ug/L	0.00
20) 2-Butanone-d5	4.21	46	5194	2.31	ug/L	0.00
24) Chloroform-d	4.65	84	6184	0.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	3831	0.49	ug/L	0.00
32) Benzene-d6	5.34	84	11314	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	4337	0.50	ug/L	0.00
41) Toluene-d8	7.57	98	11147	0.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	1574	0.47	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	8227	4.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	2757	0.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	4535	0.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	4293	0.454 ug/L	99
3) Chloromethane	1.33	50	4230	0.451 ug/L	95
5) Vinyl chloride	1.41	62	3990	0.427 ug/L	89
6) Bromomethane	1.64	94	1190	0.388 ug/L	94
8) Chloroethane	1.70	64	2898	0.529 ug/L	88
9) Trichlorofluoromethane	1.89	101	5609	0.452 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	2816	0.445 ug/L	94
12) 1,1-Dichloroethene	2.29	96	2538	0.425 ug/L	74
13) Acetone	2.35	43	7511	5.320 ug/L	88
14) Carbon disulfide	2.48	76	10181	0.478 ug/L	98
15) Methyl Acetate	2.63	43	1964	0.520 ug/L	93
16) Methylene chloride	2.70	84	3184	0.475 ug/L	91
17) Methyl tert-butyl Ether	3.01	73	8161	0.459 ug/L #	89
18) trans-1,2-Dichloroethene	2.99	96	2682	0.423 ug/L	97
19) 1,1-Dichloroethane	3.45	63	5973	0.446 ug/L	95
21) 2-Butanone	4.30	43	11328	4.615 ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	2927	0.399 ug/L	76
23) Bromochloromethane	4.56	128	1350	0.444 ug/L	89
25) Chloroform	4.67	83	5977	0.440 ug/L	97
27) 1,2-Dichloroethane	5.41	62	4328	0.457 ug/L	96
29) 1,1,1-Trichloroethane	4.92	97	5224	0.452 ug/L	97
30) Cyclohexane	5.00	56	6043	0.445 ug/L	96
31) Carbon tetrachloride	5.13	117	4085	0.412 ug/L	85
33) Benzene	5.39	78	12668	0.447 ug/L	100
34) Trichloroethene	6.19	95	3136	0.425 ug/L	90
35) Methylcyclohexane	6.42	83	5458	0.435 ug/L	100
37) 1,2-Dichloropropane	6.44	63	3590	0.444 ug/L #	90
38) Bromodichloromethane	6.76	83	4120	0.436 ug/L #	93
39) cis-1,3-Dichloropropene	7.28	75	4947	0.427 ug/L	88
40) 4-Methyl-2-pentanone	7.47	43	25100	4.399 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	13063	0.440	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	4404	0.443	ug/L	97
45) 1,1,2-Trichloroethane	8.08	97	2190	0.441	ug/L	90
47) Tetrachloroethene	8.23	164	2510	0.443	ug/L	92
48) 2-Hexanone	8.37	43	17234	4.189	ug/L #	94
49) Dibromochloromethane	8.48	129	2592	0.432	ug/L	93
50) 1,2-Dibromoethane	8.59	107	2087	0.439	ug/L #	96
51) Chlorobenzene	9.12	112	8251	0.448	ug/L	97
52) Ethylbenzene	9.25	91	14792	0.437	ug/L	96
53) m,p-xylene	9.38	106	5479	0.447	ug/L	95
54) o-xylene	9.78	106	5170	0.429	ug/L	77
55) Styrene	9.79	104	8145	0.403	ug/L	99
56) Isopropylbenzene	10.17	105	13969	0.426	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	2956	0.456	ug/L	88
59) 1,2,3-Trichloropropane	11.48	75	7899	1.613	ug/L	92
61) Bromoform	9.96	173	1397	0.432	ug/L #	94
62) 1,3-Dichlorobenzene	11.42	146	6080	0.430	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	6314	0.446	ug/L	85
65) 1,2-Dichlorobenzene	11.88	146	6062	0.454	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.66	75	406	0.388	ug/L #	88
67) 1,3,5-Trichlorobenzene	12.89	180	5041	0.443	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	3968	0.410	ug/L	96
69) Naphthalene	13.75	128	5627	0.374	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.99	180	3716	0.421	ug/L #	95

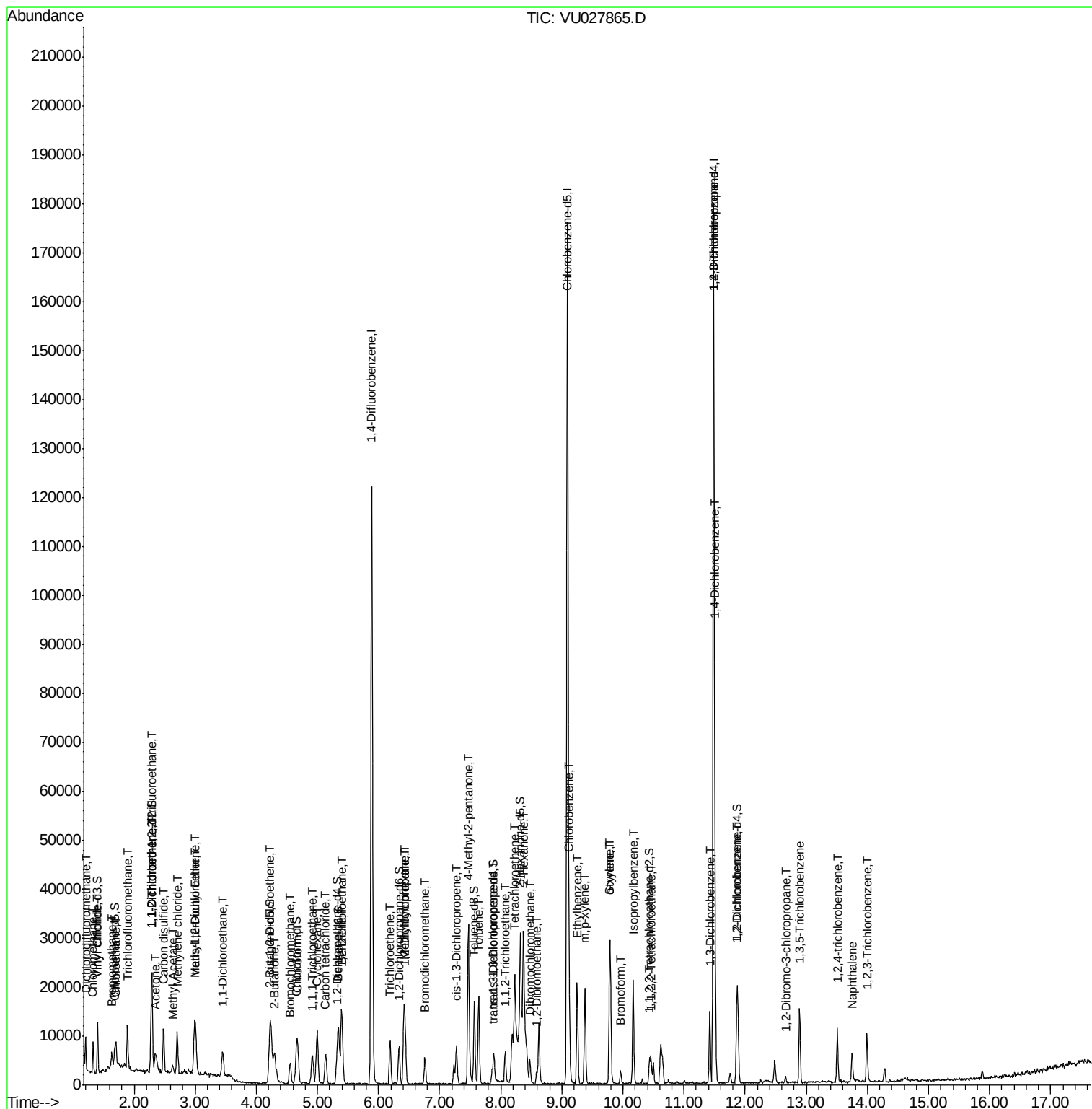
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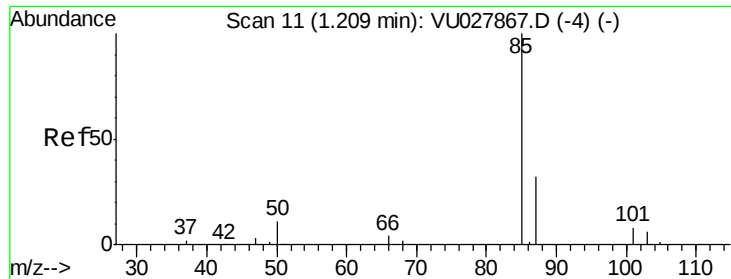
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#2

Dichlorodifluoromethane

Concen: 0.454 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

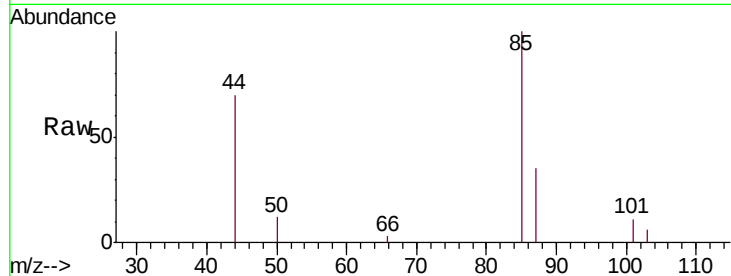
VSTD0.543

Tgt Ion: 85 Resp: 4293

Ion Ratio Lower Upper

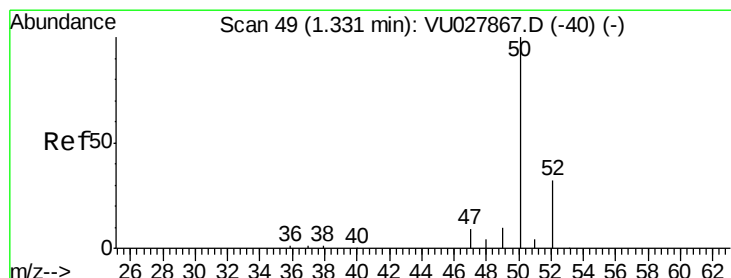
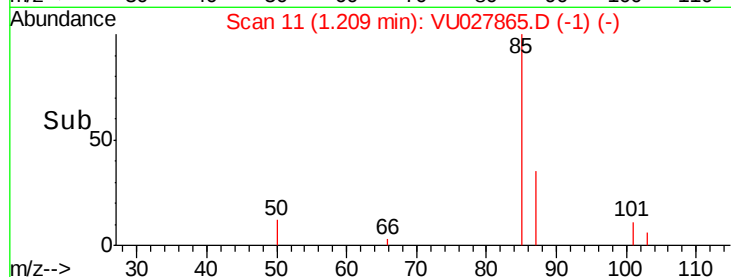
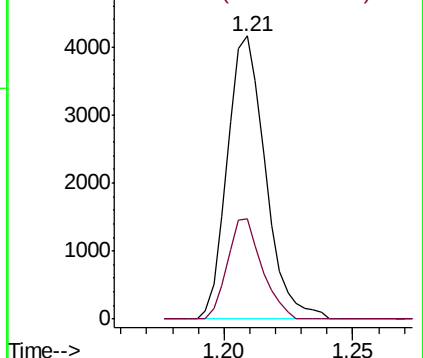
85 100

87 31.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.451 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027865.D

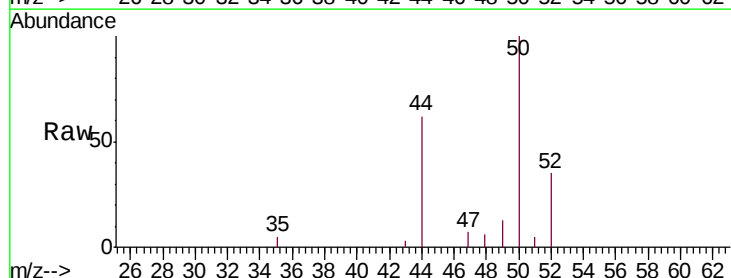
Acq: 30 Oct 2018 10:41

Tgt Ion: 50 Resp: 4230

Ion Ratio Lower Upper

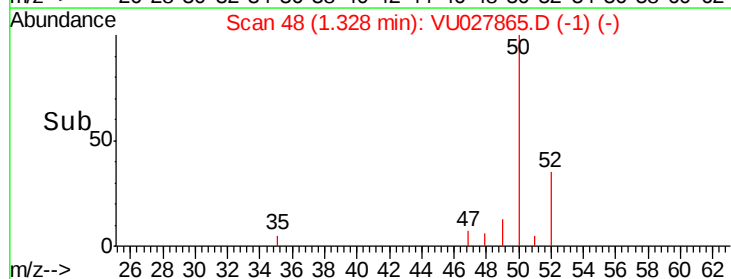
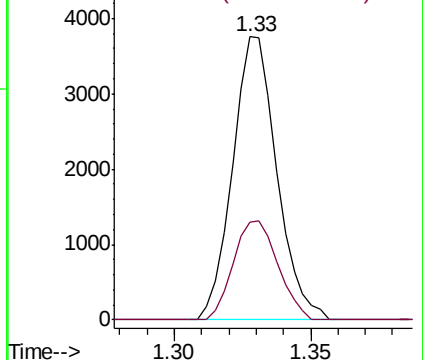
50 100

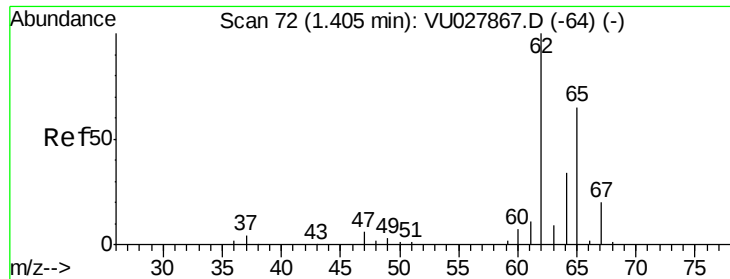
52 34.7 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.427 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

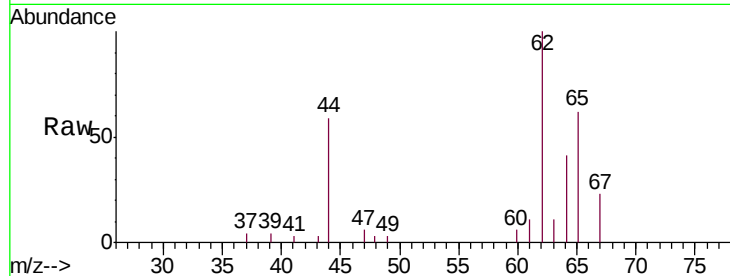
VSTD0.543

Tgt Ion: 62 Resp: 3990

Ion Ratio Lower Upper

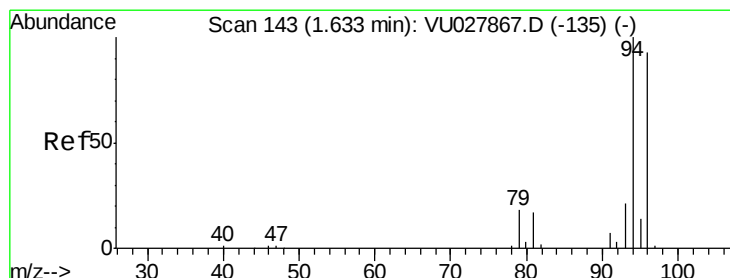
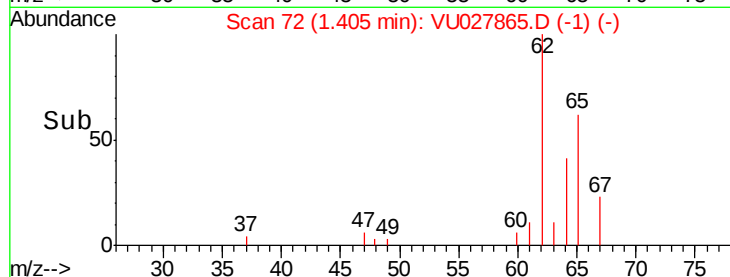
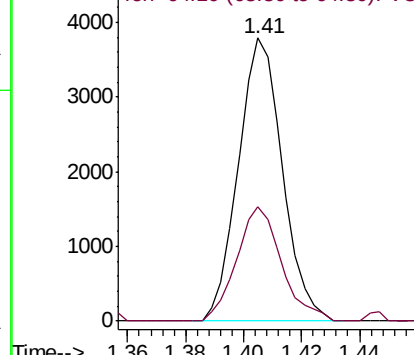
62 100

64 40.5 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.388 ug/L

RT: 1.64 min Scan# 144

Delta R.T. 0.00 min

Lab File: VU027865.D

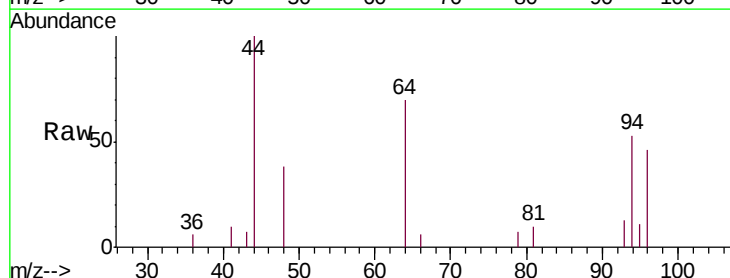
Acq: 30 Oct 2018 10:41

Tgt Ion: 94 Resp: 1190

Ion Ratio Lower Upper

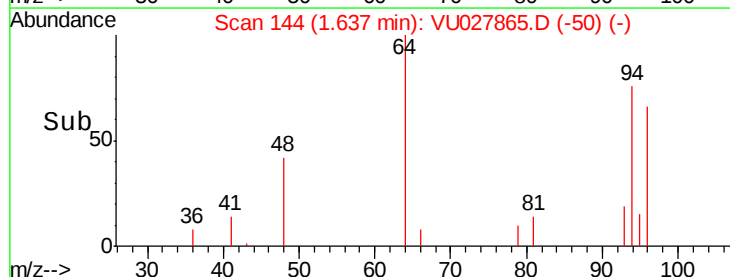
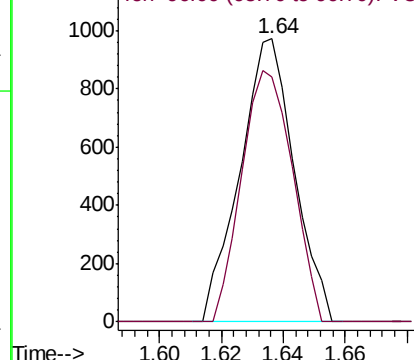
94 100

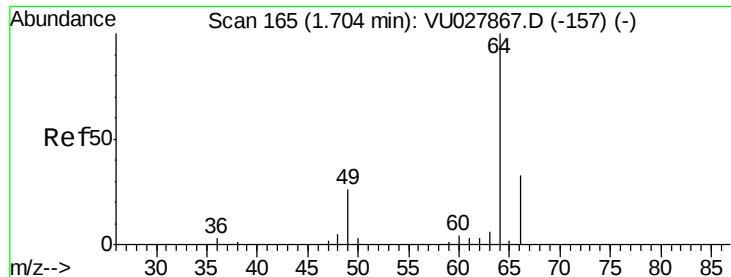
96 86.6 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.529 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

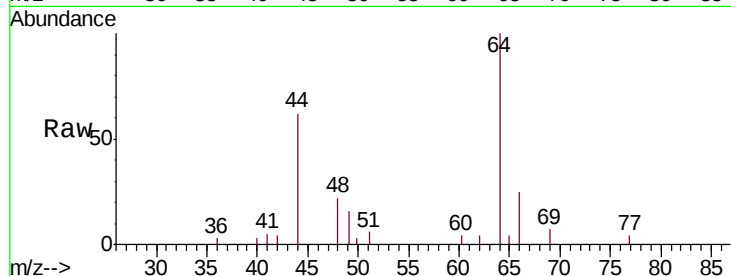
VSTD0.543

Tgt Ion: 64 Resp: 2898

Ion Ratio Lower Upper

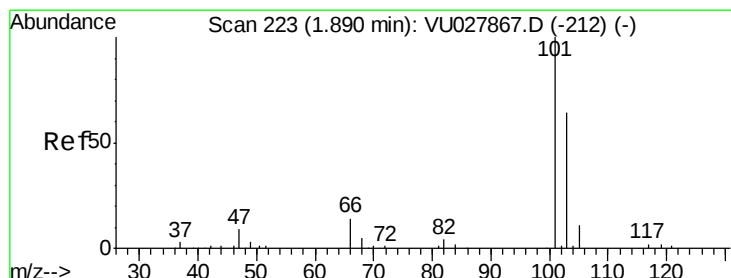
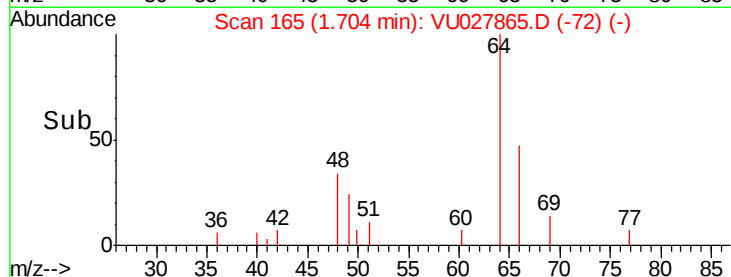
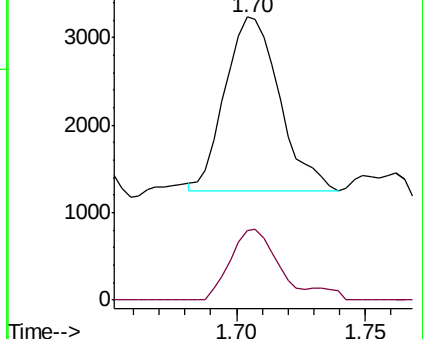
64 100

66 24.6 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU027867.D (-157) (-)

Ion 66.05 (65.75 to 66.75): VU027867.D (-157) (-)



#9

Trichlorofluoromethane

Concen: 0.452 ug/L

RT: 1.89 min Scan# 224

Delta R.T. 0.00 min

Lab File: VU027865.D

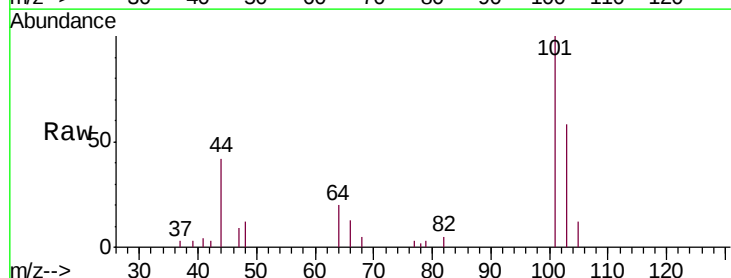
Acq: 30 Oct 2018 10:41

Tgt Ion: 101 Resp: 5609

Ion Ratio Lower Upper

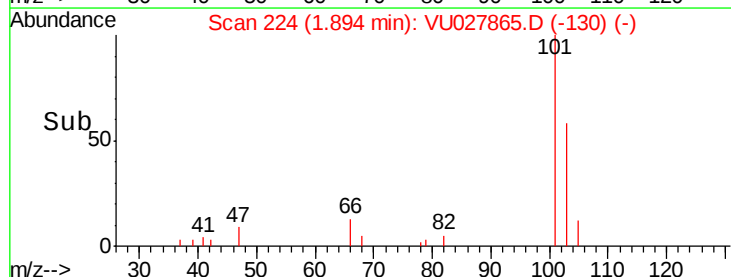
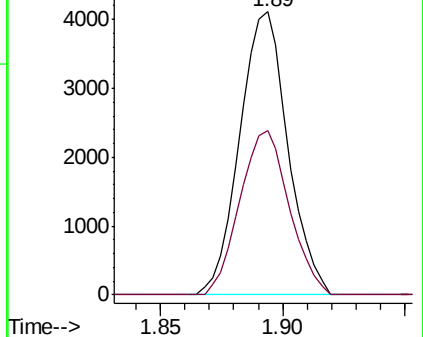
101 100

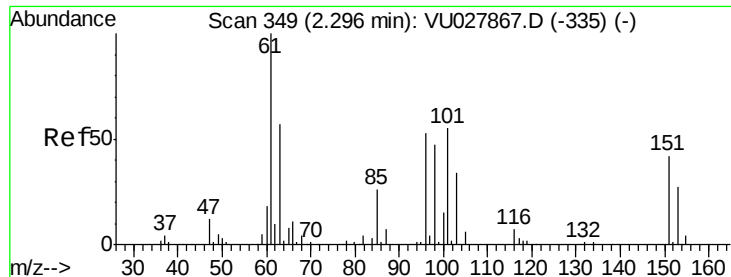
103 59.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU027867.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU027867.D (-212) (-)





#10

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

Concen: 0.445 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.01 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.543

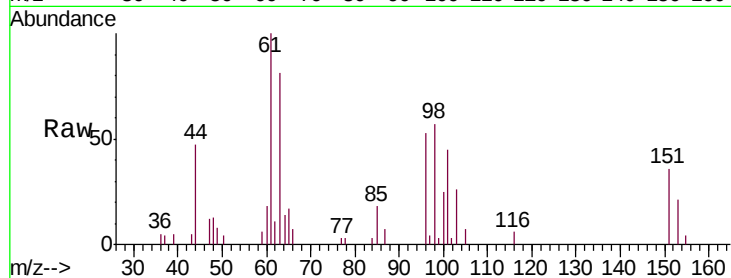
Tgt Ion: 101 Resp: 2816

Ion Ratio Lower Upper

101 100

85 43.2 37.1 55.7

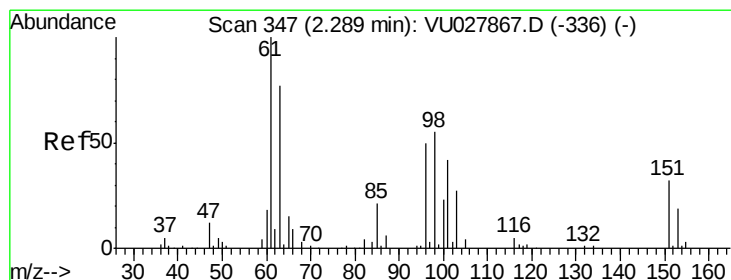
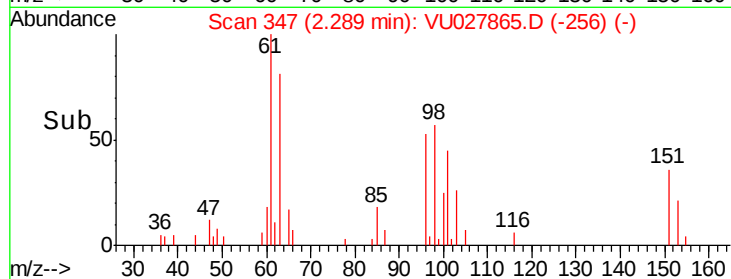
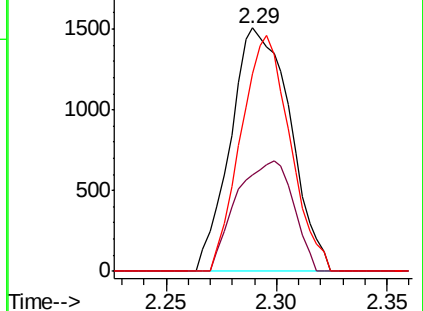
151 80.2 59.9 89.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.425 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

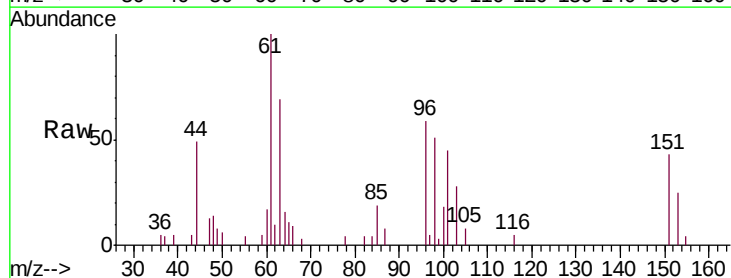
Tgt Ion: 96 Resp: 2538

Ion Ratio Lower Upper

96 100

61 170.7 141.1 262.1

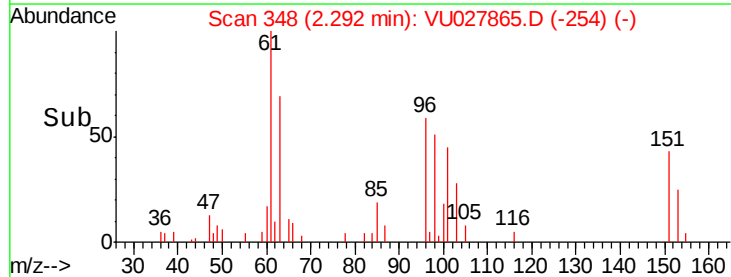
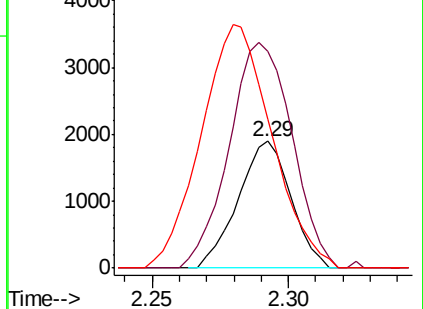
63 117.7 113.0 209.9

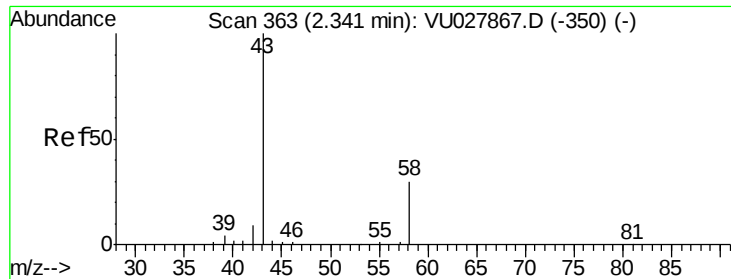


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.320 ug/L

RT: 2.35 min Scan# 366

Delta R.T. 0.01 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

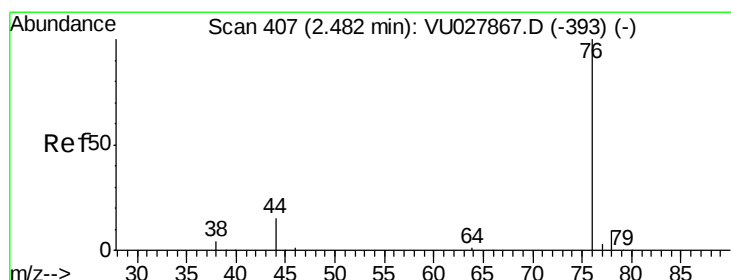
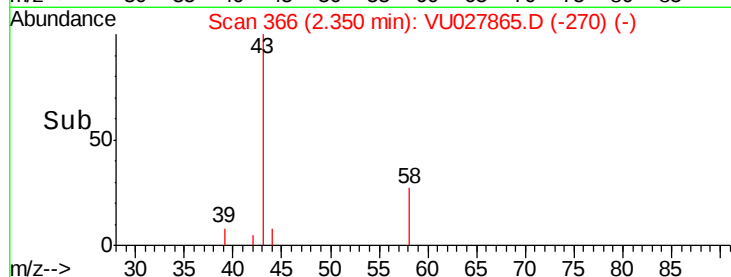
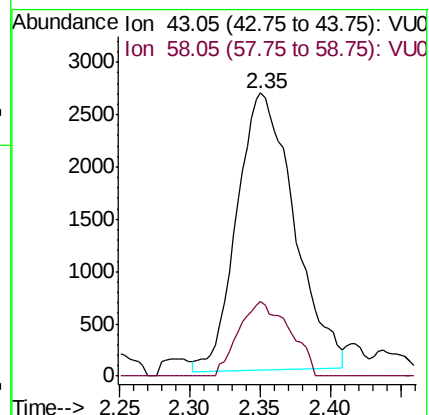
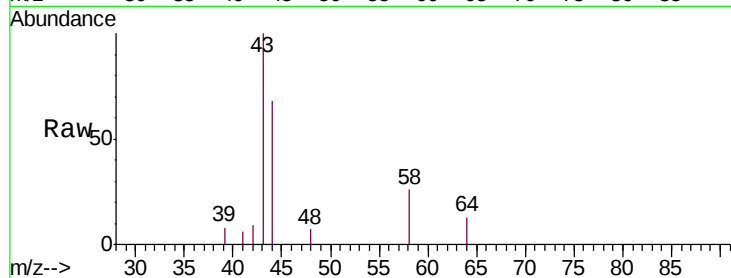
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.543

Tgt Ion: 43 Resp: 7511

Ion Ratio Lower Upper

43 100

58 24.0 0.0 61.4



#14

Carbon disulfide

Concen: 0.478 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027865.D

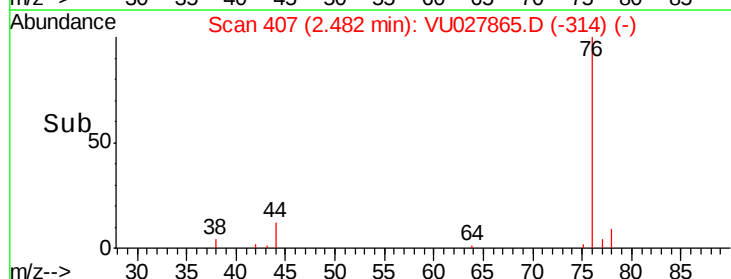
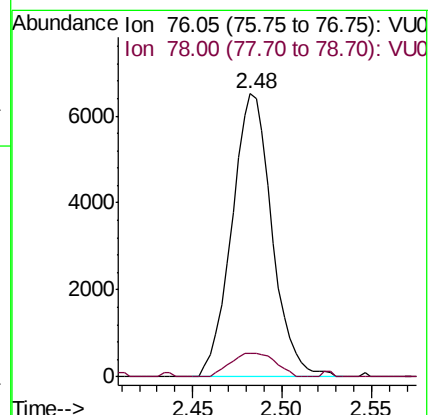
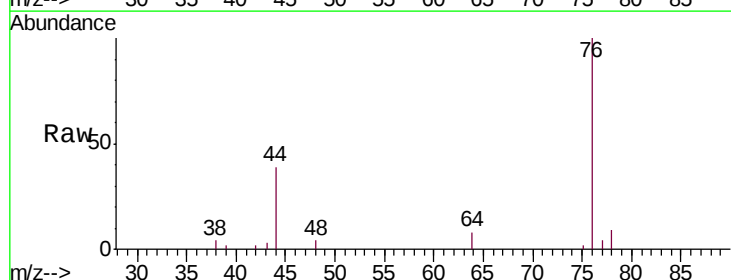
Acq: 30 Oct 2018 10:41

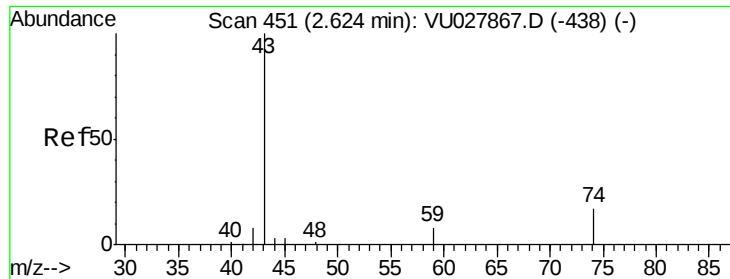
Tgt Ion: 76 Resp: 10181

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3

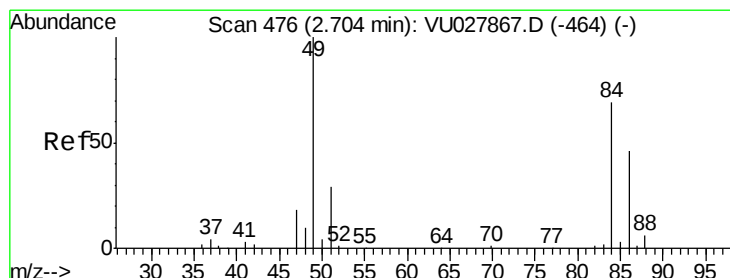
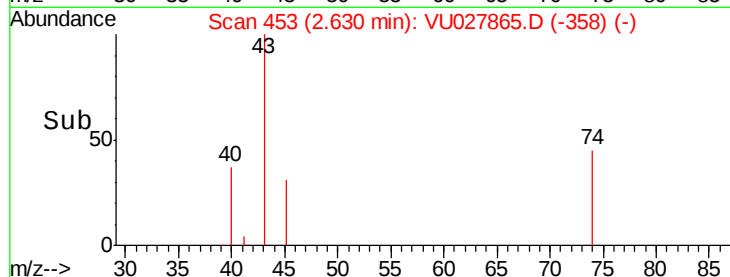
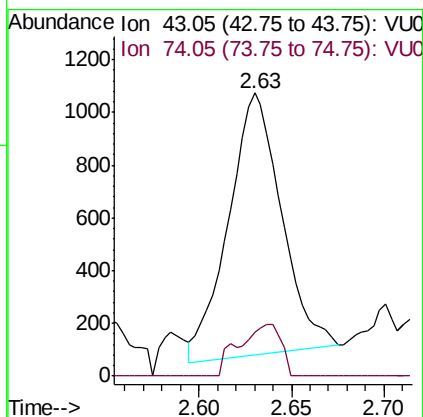
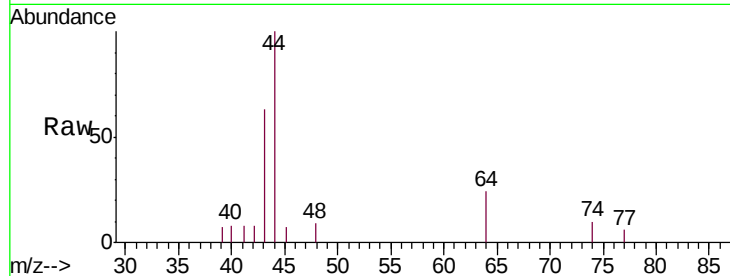




#15
Methyl Acetate
Concen: 0.520 ug/L
RT: 2.63 min Scan# 453
Delta R.T. 0.01 min
Lab File: VU027865.D
Acq: 30 Oct 2018 10:41

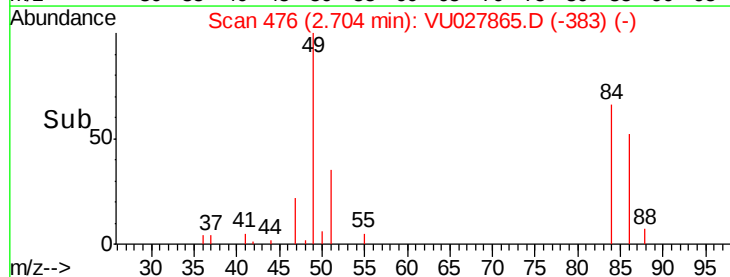
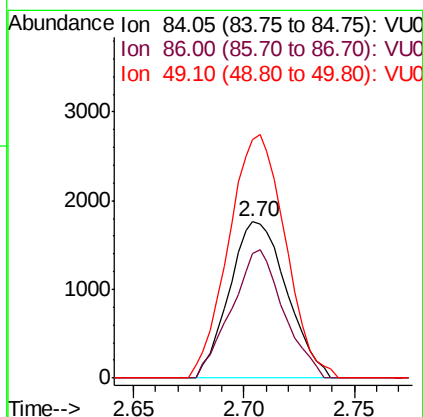
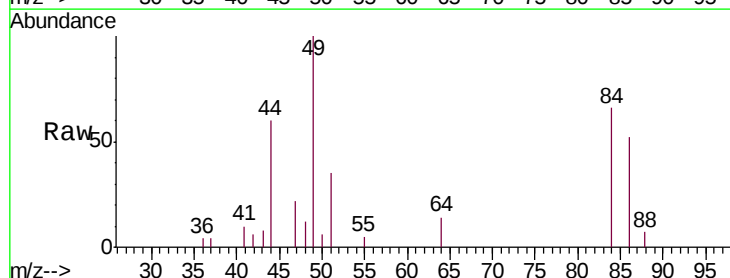
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.543

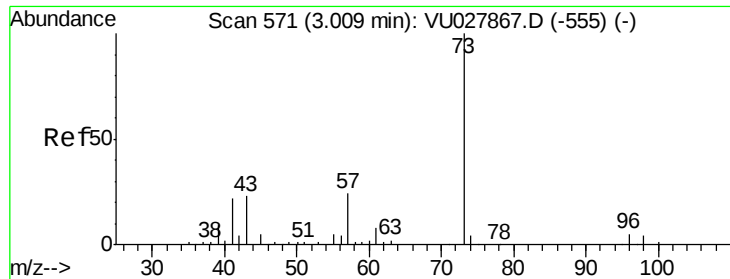
Tgt Ion: 43 Resp: 1964
Ion Ratio Lower Upper
43 100
74 15.7 14.9 22.3



#16
Methylene chloride
Concen: 0.475 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027865.D
Acq: 30 Oct 2018 10:41

Tgt Ion: 84 Resp: 3184
Ion Ratio Lower Upper
84 100
86 79.8 46.7 86.7
49 152.3 101.3 188.1

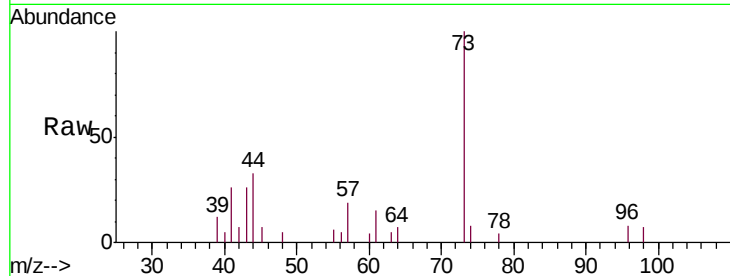




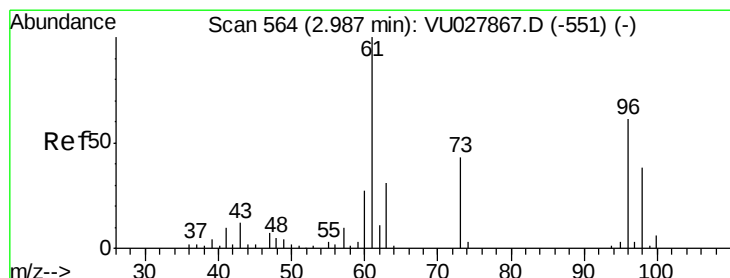
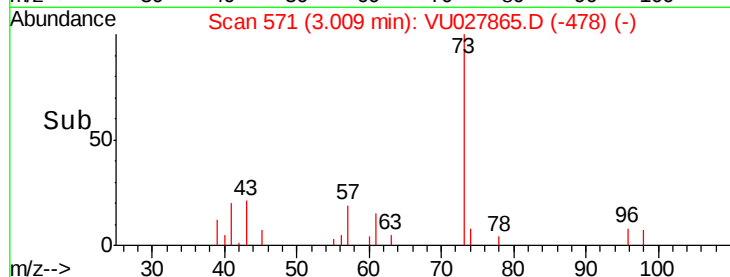
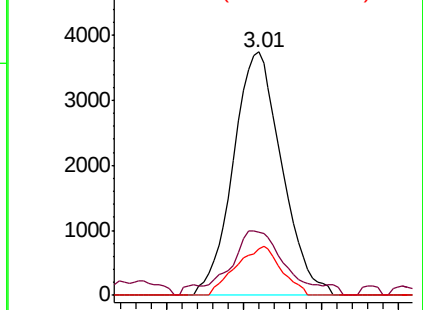
#17
Methyl tert-butyl Ether
Concen: 0.459 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU027865.D
Acq: 30 Oct 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.543

Tgt Ion: 73 Resp: 8161
Ion Ratio Lower Upper
73 100
43 29.3 18.7 28.1#
57 18.7 18.7 28.1

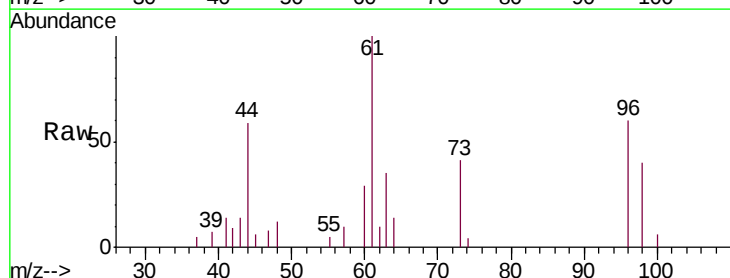


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

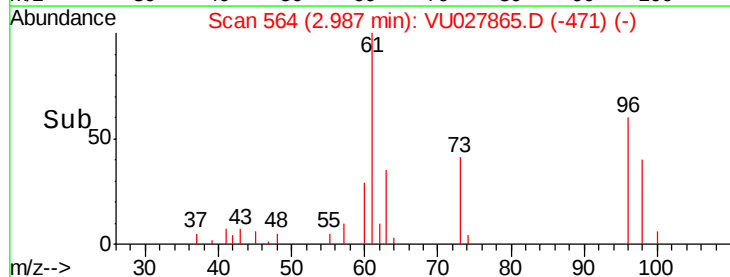
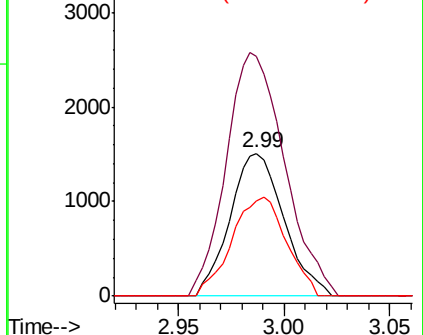


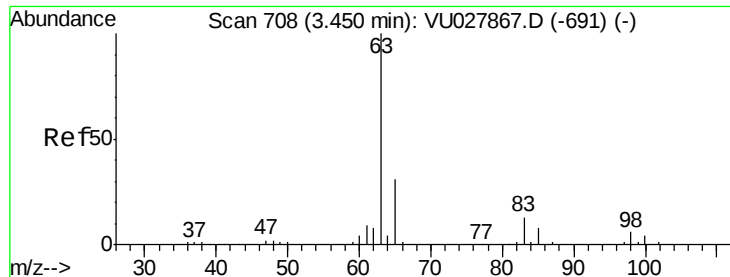
#18
trans-1,2-Dichloroethene
Concen: 0.423 ug/L
RT: 2.99 min Scan# 564
Delta R.T. 0.00 min
Lab File: VU027865.D
Acq: 30 Oct 2018 10:41

Tgt Ion: 96 Resp: 2682
Ion Ratio Lower Upper
96 100
61 167.7 115.2 214.0
98 67.0 44.0 81.8



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

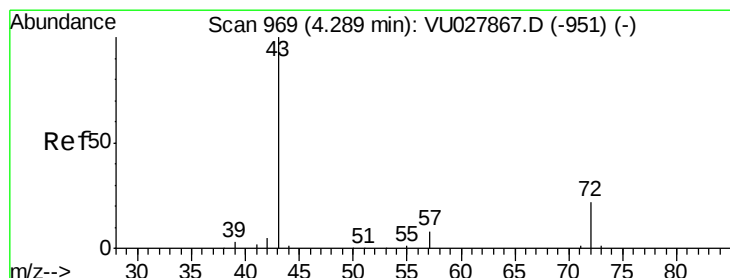
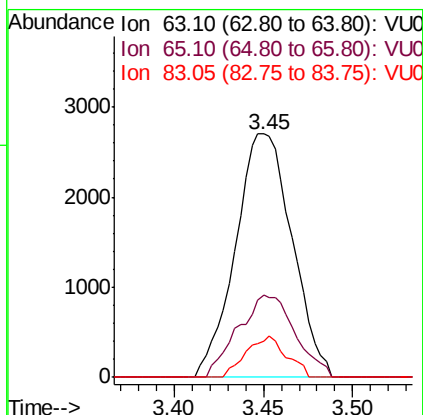
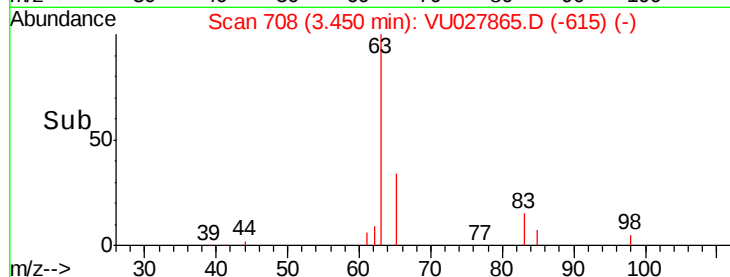
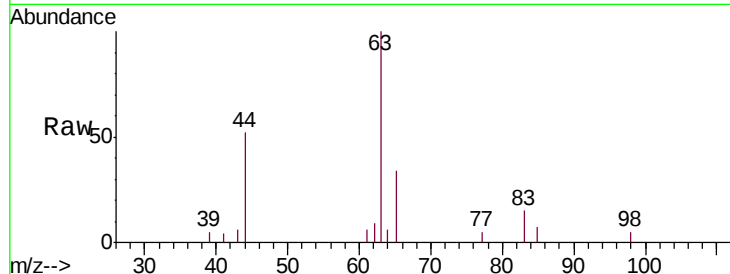




#19
 1,1-Dichloroethane
 Concen: 0.446 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027865.D
 Acq: 30 Oct 2018 10:41

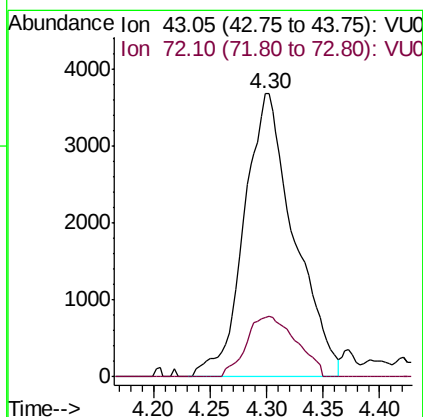
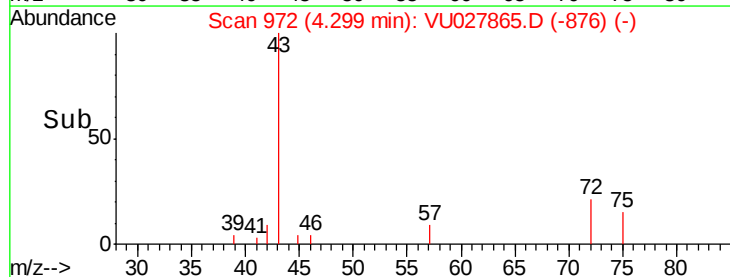
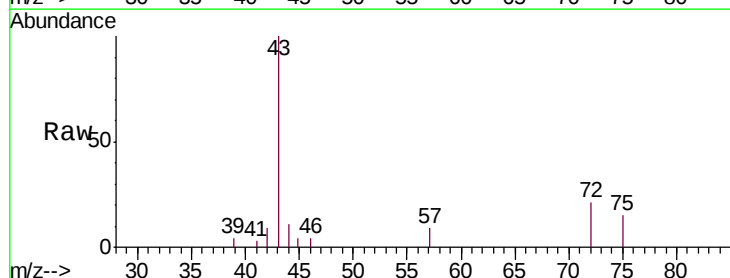
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

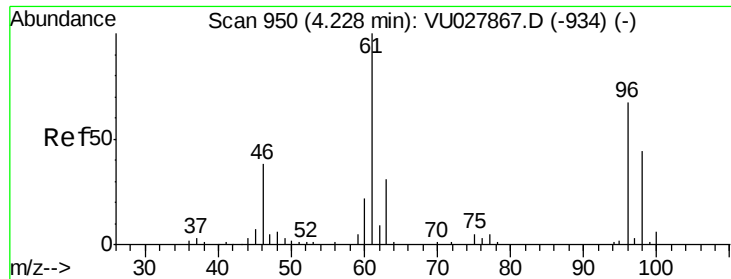
Tgt Ion: 63 Resp: 5973
 Ion Ratio Lower Upper
 63 100
 65 33.7 21.8 40.4
 83 15.1 9.4 17.4



#21
 2-Butanone
 Concen: 4.615 ug/L
 RT: 4.30 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VU027865.D
 Acq: 30 Oct 2018 10:41

Tgt Ion: 43 Resp: 11328
 Ion Ratio Lower Upper
 43 100
 72 21.3 10.9 32.9



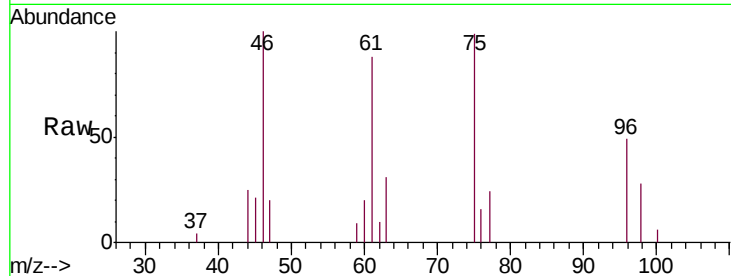


#22

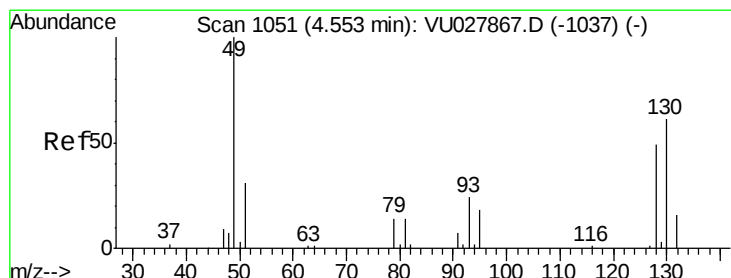
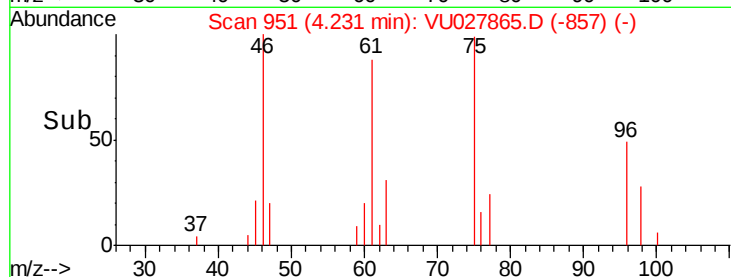
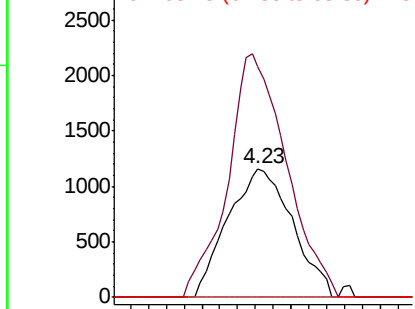
cis-1,2-Dichloroethene
Concen: 0.399 ug/L
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027865.D
Acq: 30 Oct 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.543

Tgt Ion: 96 Resp: 2927
Ion Ratio Lower Upper
96 100
61 179.3 104.0 193.2
68 0.0 0.0 0.0



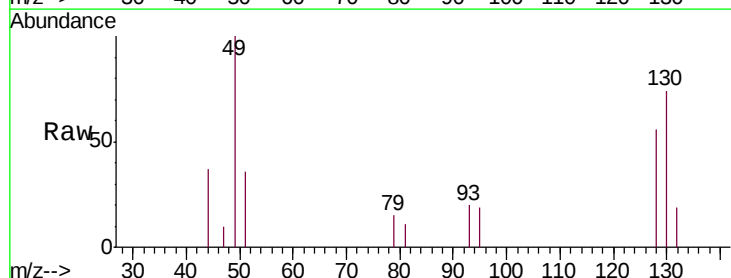
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



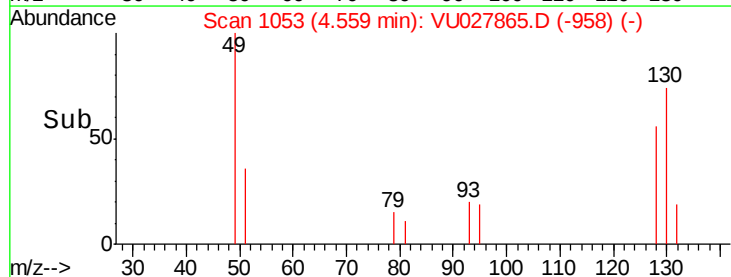
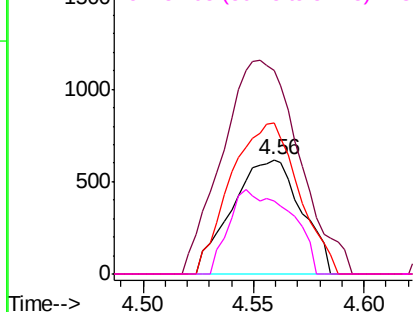
#23

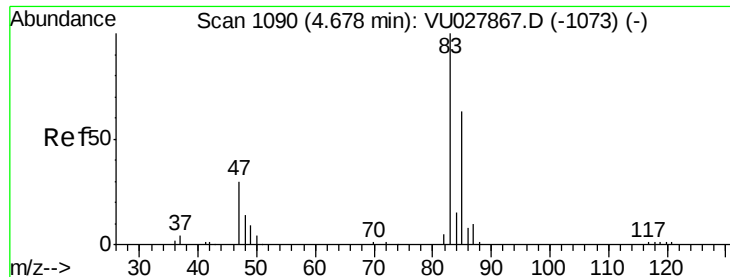
Bromochloromethane
Concen: 0.444 ug/L
RT: 4.56 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VU027865.D
Acq: 30 Oct 2018 10:41

Tgt Ion: 128 Resp: 1350
Ion Ratio Lower Upper
128 100
49 177.6 142.0 263.8
130 132.3 86.1 159.9
51 64.2 50.4 75.6



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: 0.440 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

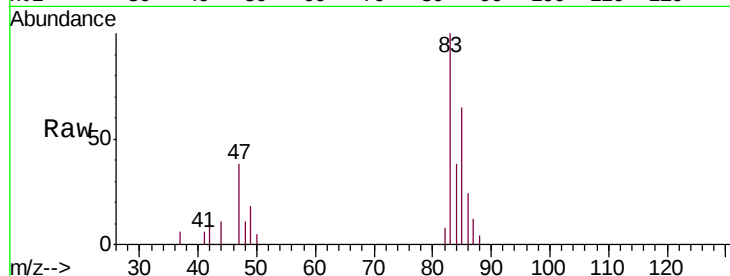
VSTD0.543

Tgt Ion: 83 Resp: 5977

Ion Ratio Lower Upper

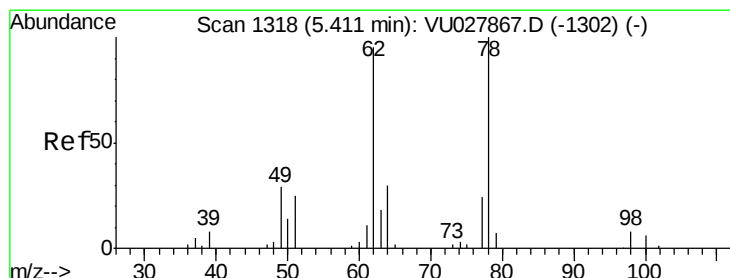
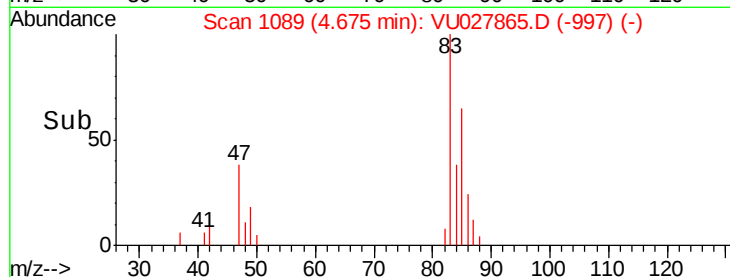
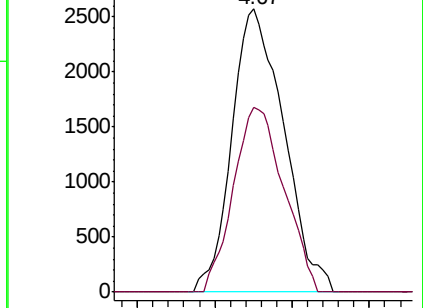
83 100

85 65.3 44.0 81.8



Abundance Ion 83.05 (82.75 to 83.75): VU027867.D (-1073) (-)

Ion 85.00 (84.70 to 85.70): VU027867.D (-1073) (-)



#27

1,2-Dichloroethane

Concen: 0.457 ug/L

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU027865.D

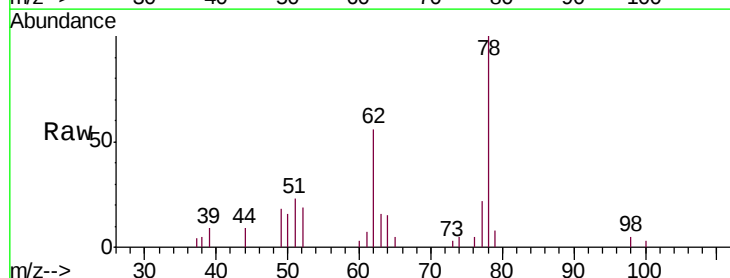
Acq: 30 Oct 2018 10:41

Tgt Ion: 62 Resp: 4328

Ion Ratio Lower Upper

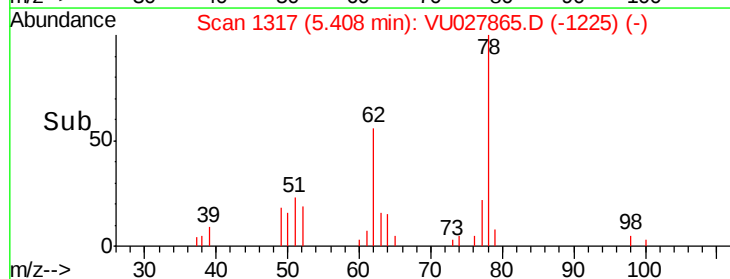
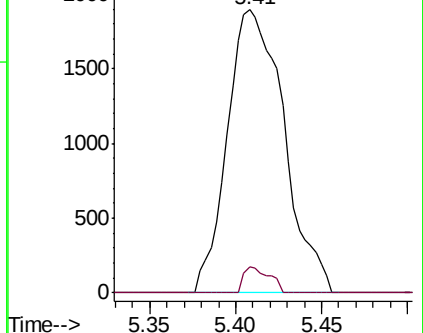
62 100

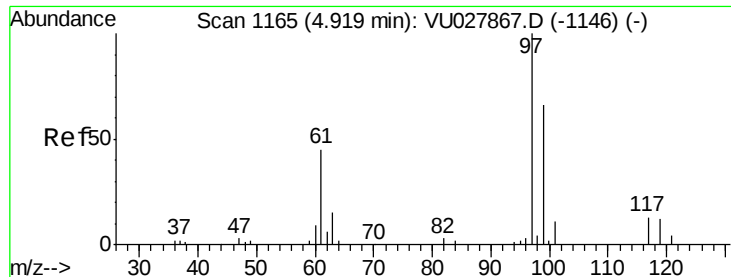
98 9.3 6.3 9.5



Abundance Ion 62.00 (61.70 to 62.70): VU027867.D (-1302) (-)

Ion 98.05 (97.75 to 98.75): VU027867.D (-1302) (-)

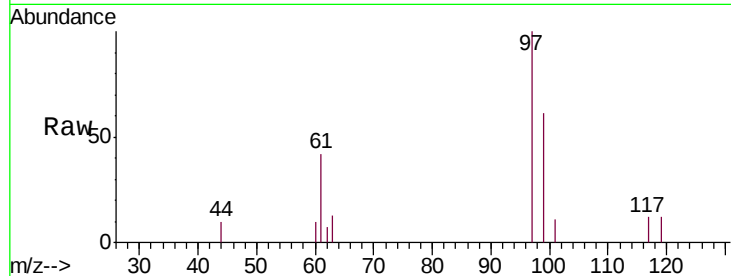




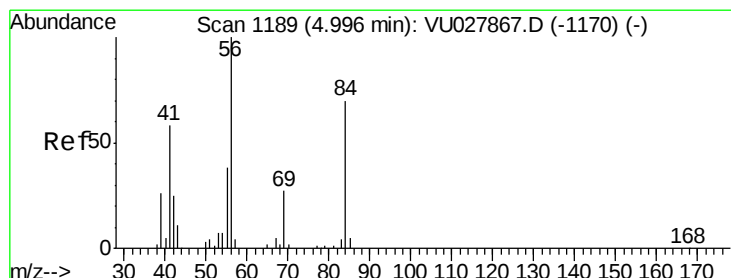
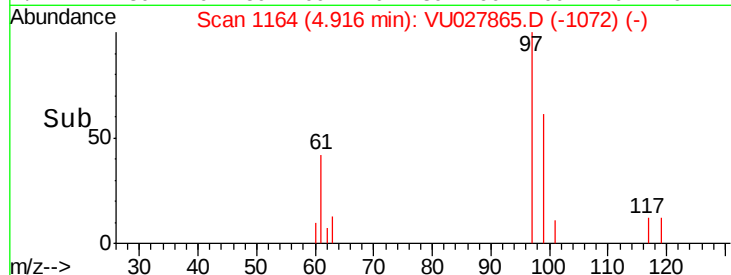
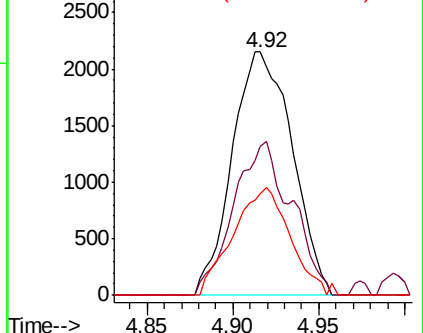
#29
 1,1,1-Trichloroethane
 Concen: 0.452 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU027865.D
 Acq: 30 Oct 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

Tgt Ion: 97 Resp: 5224
 Ion Ratio Lower Upper
 97 100
 99 61.0 50.6 76.0
 61 42.2 35.8 53.6

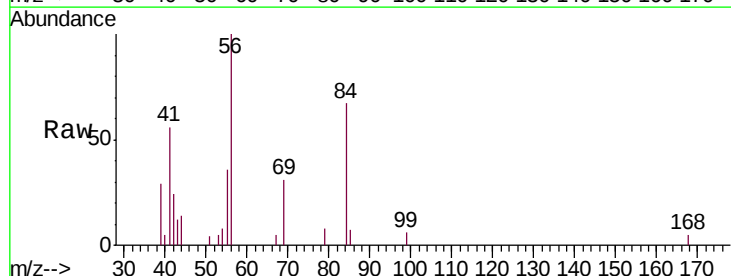


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

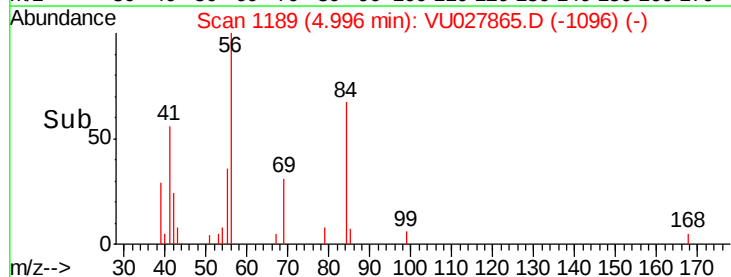
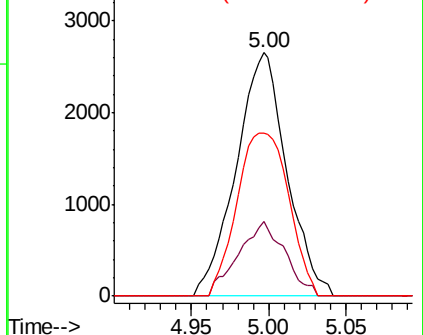


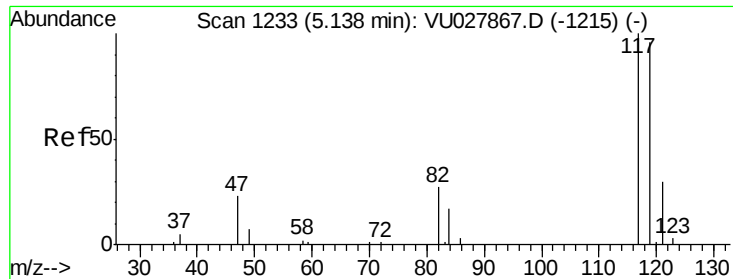
#30
 Cyclohexane
 Concen: 0.445 ug/L
 RT: 5.00 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VU027865.D
 Acq: 30 Oct 2018 10:41

Tgt Ion: 56 Resp: 6043
 Ion Ratio Lower Upper
 56 100
 69 28.0 22.7 34.1
 84 68.5 58.1 87.1



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: 0.412 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

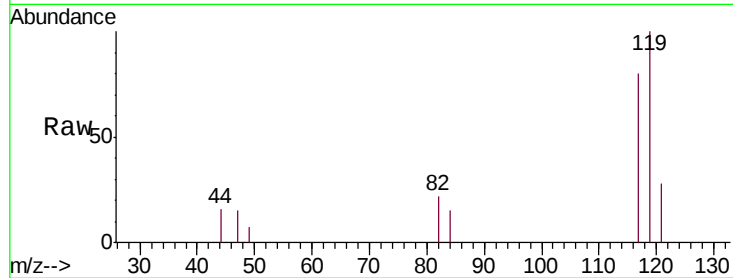
VSTD0.543

Tgt Ion:117 Resp: 4085

Ion Ratio Lower Upper

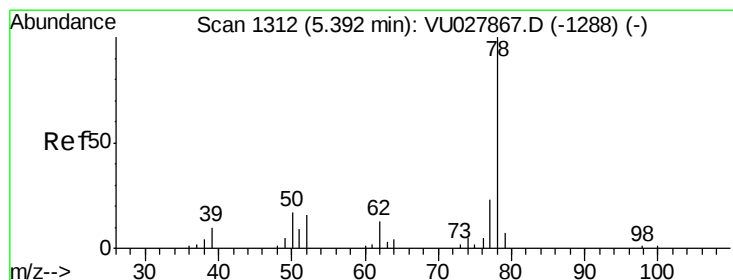
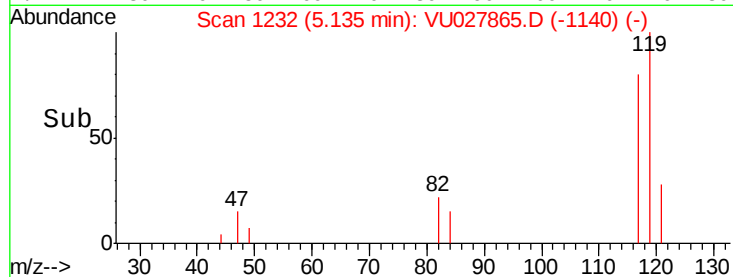
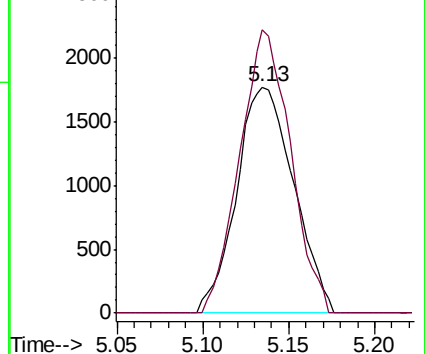
117 100

119 111.3 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.447 ug/L

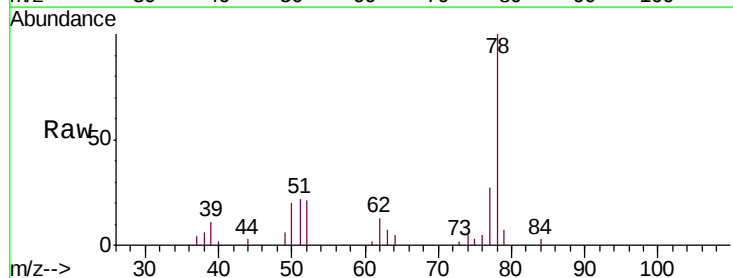
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

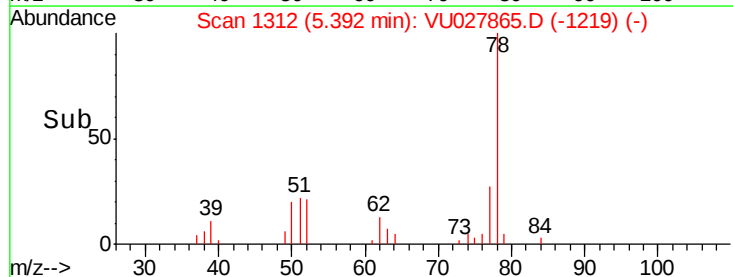
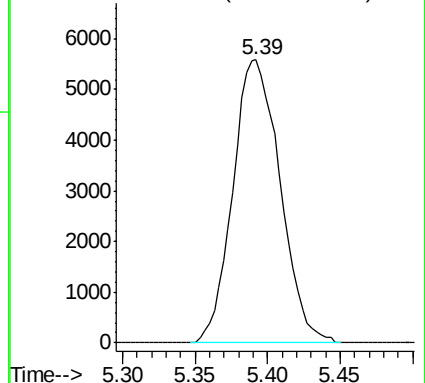
Lab File: VU027865.D

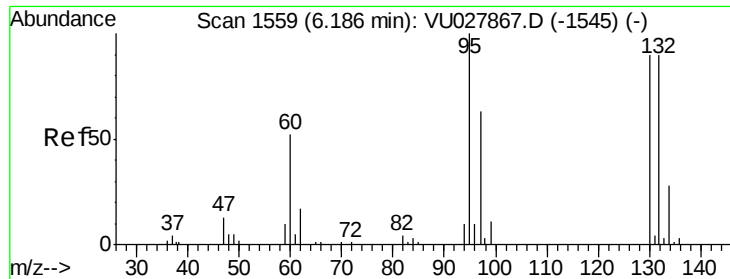
Acq: 30 Oct 2018 10:41

Tgt Ion: 78 Resp: 12668



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.425 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.543

Tgt Ion: 95 Resp: 3136

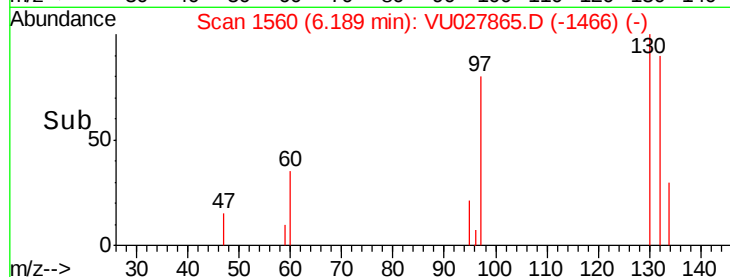
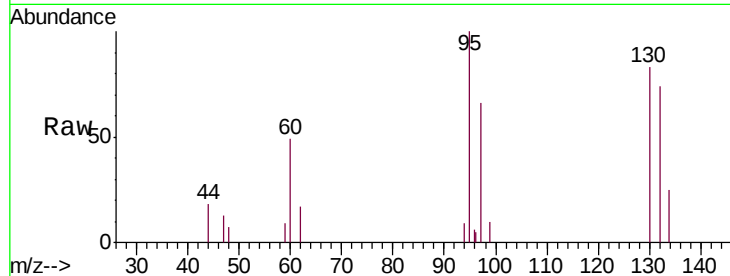
Ion Ratio Lower Upper

95 100

97 66.4 44.0 81.6

132 74.3 63.3 117.5

130 82.8 63.1 117.3

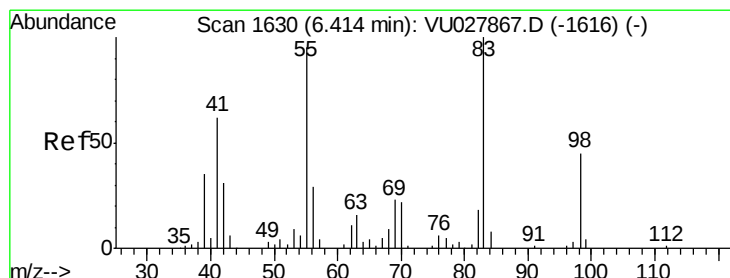
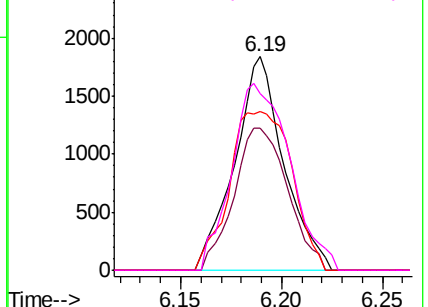


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.435 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

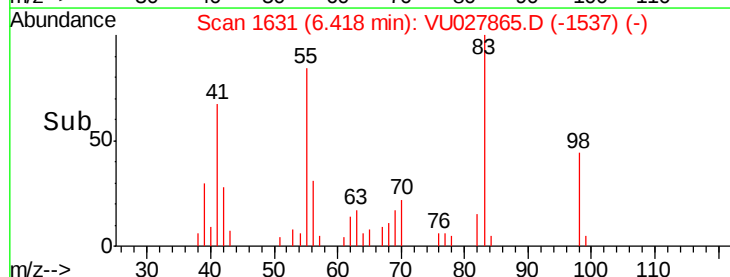
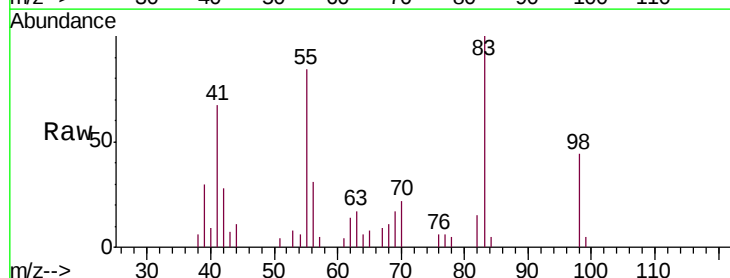
Tgt Ion: 83 Resp: 5458

Ion Ratio Lower Upper

83 100

55 91.6 73.4 110.0

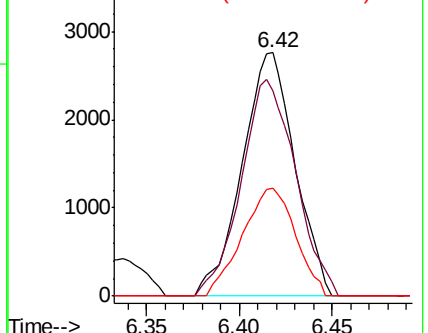
98 44.4 35.3 52.9

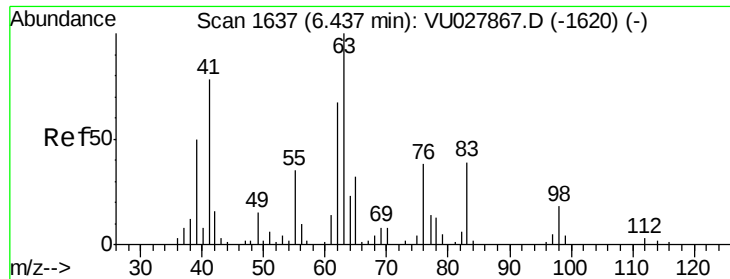


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

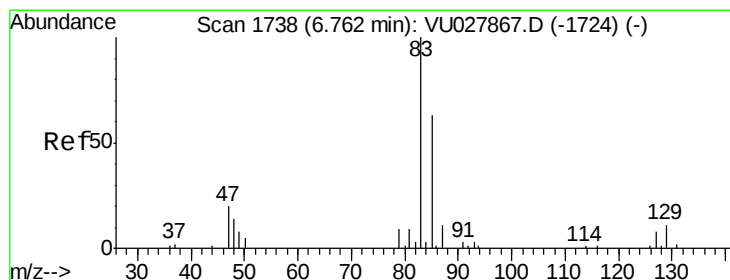
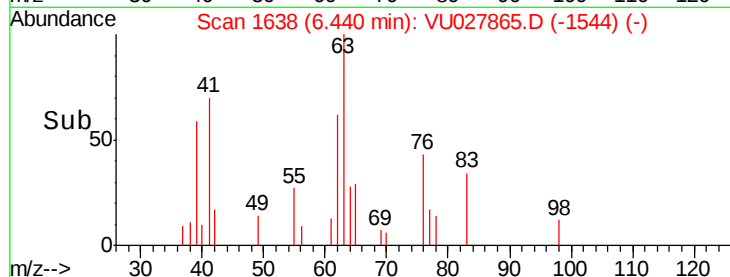
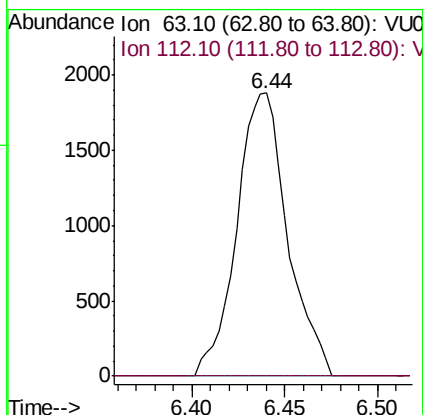
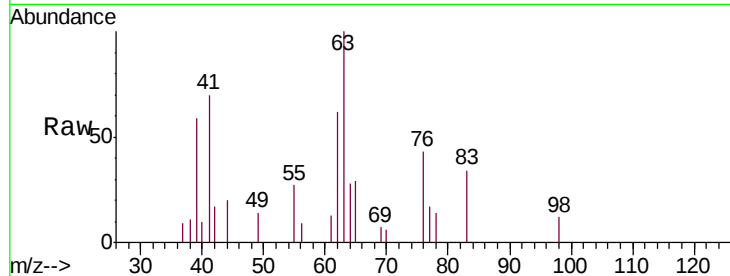




#37
 1,2-Dichloropropane
 Concen: 0.444 ug/L
 RT: 6.44 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VU027865.D
 Acq: 30 Oct 2018 10:41

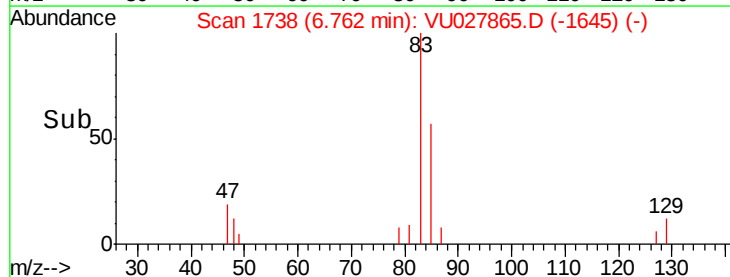
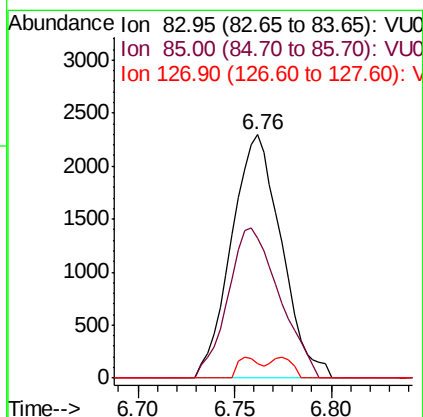
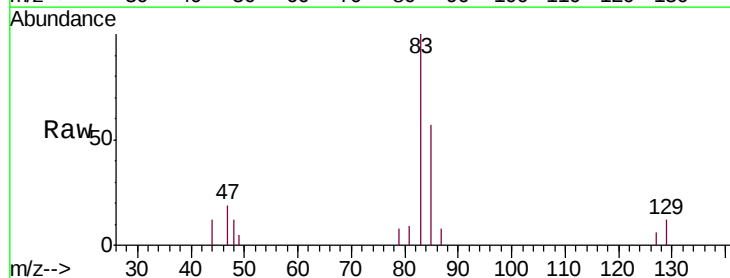
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

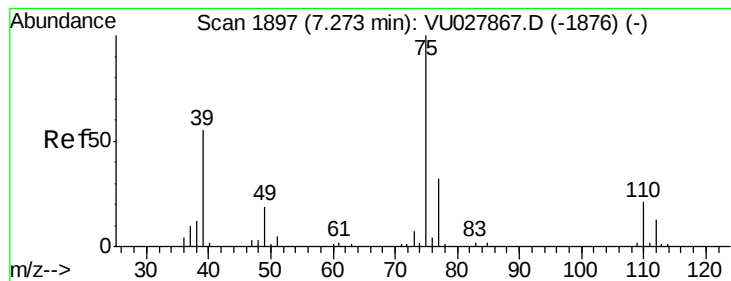
Tgt Ion: 63 Resp: 3590
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#38
 Bromodichloromethane
 Concen: 0.436 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU027865.D
 Acq: 30 Oct 2018 10:41

Tgt Ion: 83 Resp: 4120
 Ion Ratio Lower Upper
 83 100
 85 57.5 43.8 81.4
 127 6.0 6.4 9.6#





#39

cis-1,3-Dichloropropene

Concen: 0.427 ug/L

RT: 7.28 min Scan# 1898

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

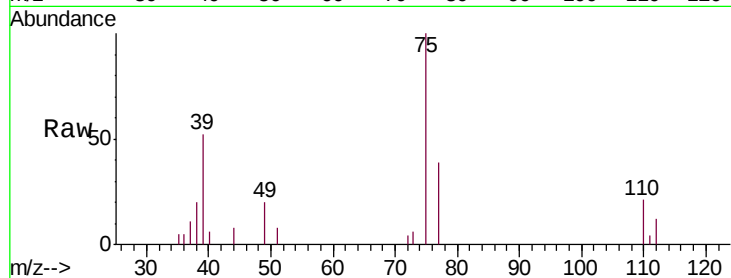
VSTD0.543

Tgt Ion: 75 Resp: 4947

Ion Ratio Lower Upper

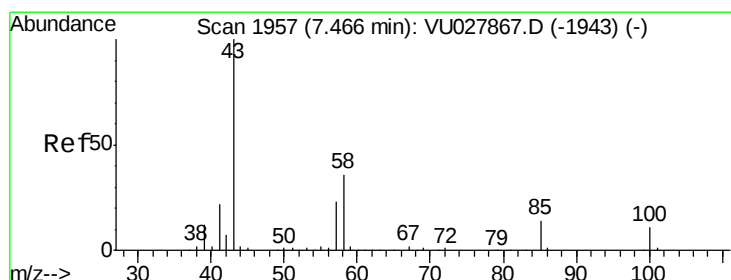
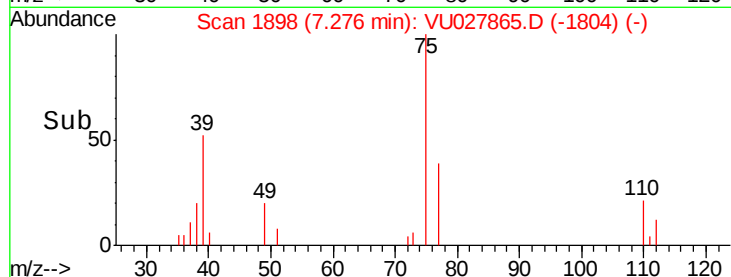
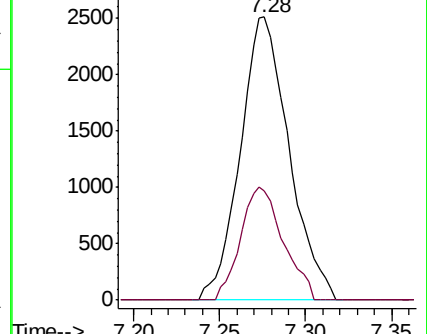
75 100

77 38.6 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU027867.D (-1876) (-)

Ion 77.05 (76.75 to 77.75): VU027867.D (-1876) (-)



#40

4-Methyl-2-pentanone

Concen: 4.399 ug/L

RT: 7.47 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

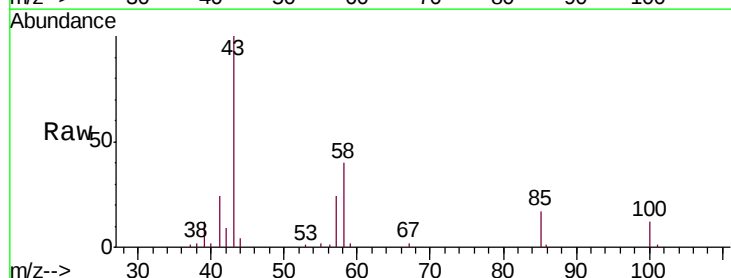
Tgt Ion: 43 Resp: 25100

Ion Ratio Lower Upper

43 100

58 36.3 28.5 42.7

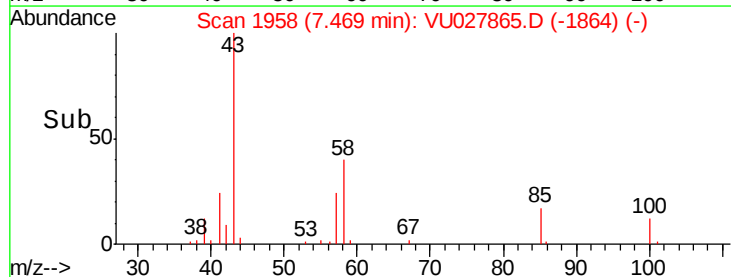
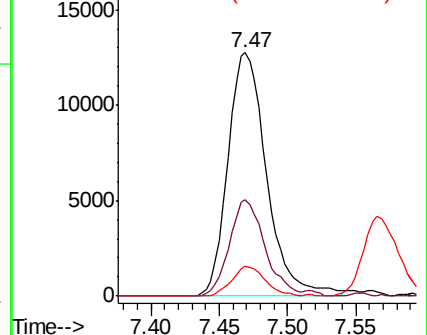
100 10.5 8.8 13.2

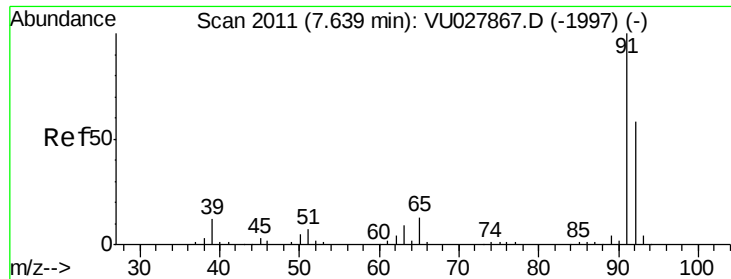


Abundance Ion 43.05 (42.75 to 43.75): VU027867.D (-1943) (-)

Ion 58.05 (57.75 to 58.75): VU027867.D (-1943) (-)

Ion 100.15 (99.85 to 100.85): VU027867.D (-1943) (-)





#42

Toluene

Concen: 0.440 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

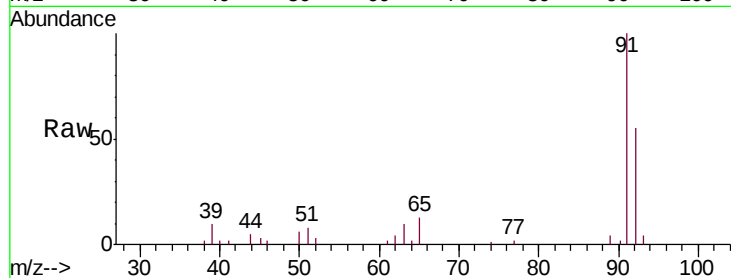
VSTD0.543

Tgt Ion: 91 Resp: 13063

Ion Ratio Lower Upper

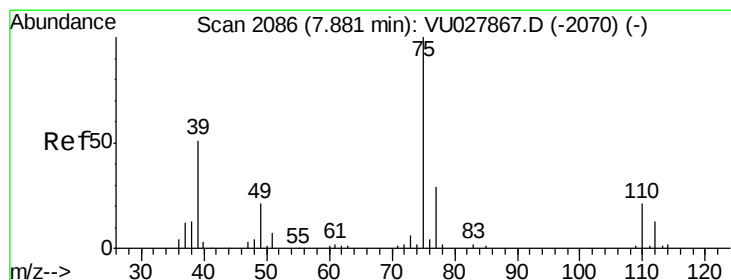
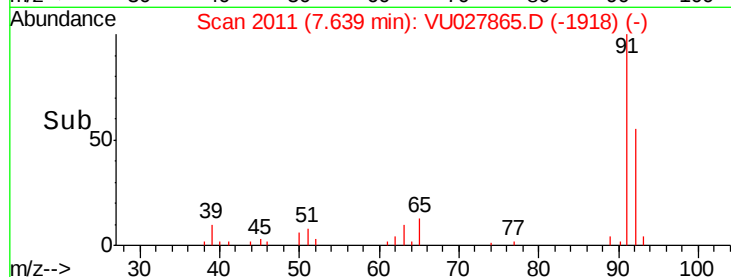
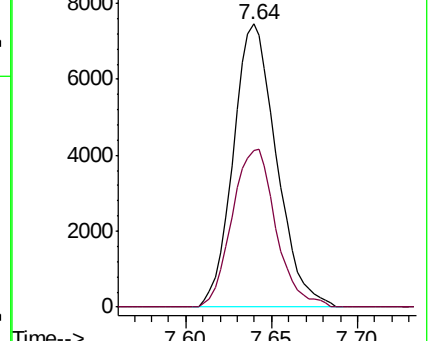
91 100

92 55.3 40.3 74.9



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: 0.443 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027865.D

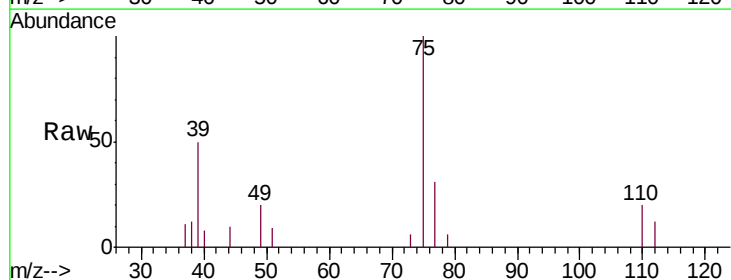
Acq: 30 Oct 2018 10:41

Tgt Ion: 75 Resp: 4404

Ion Ratio Lower Upper

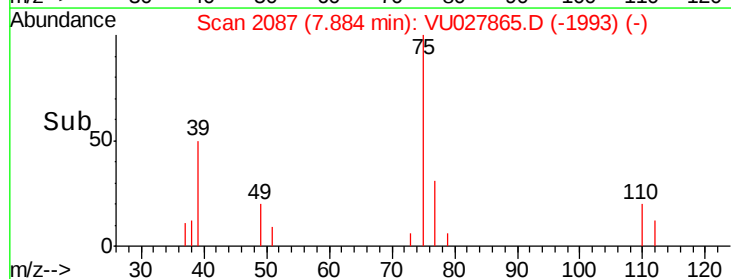
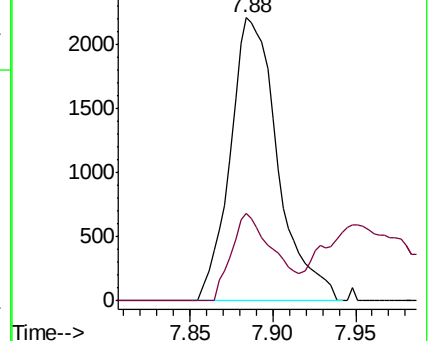
75 100

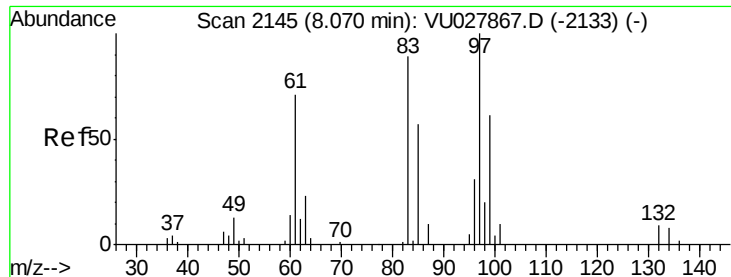
77 30.9 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

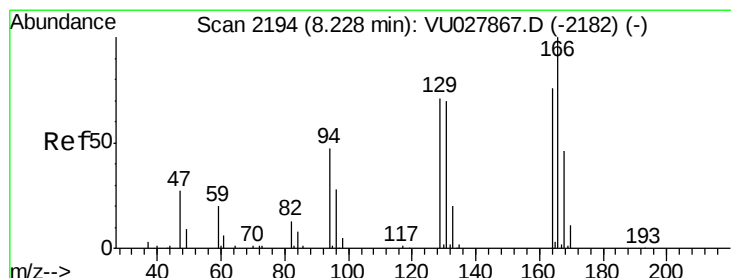
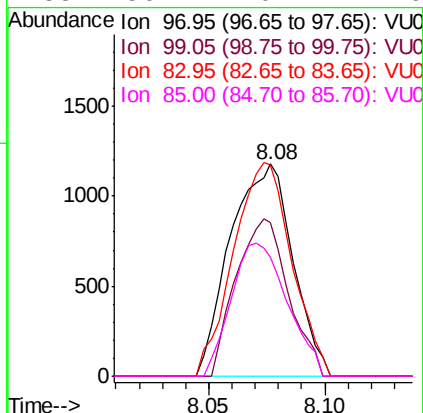
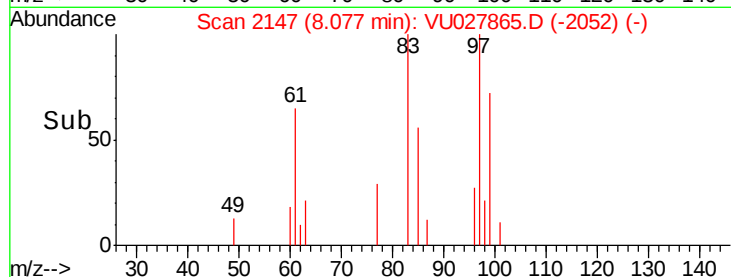
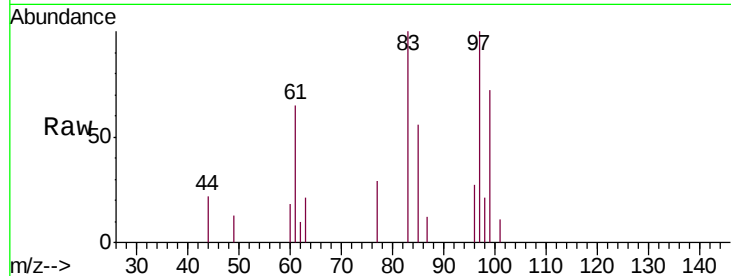




#45
1,1,2-Trichloroethane
Concen: 0.441 ug/L
RT: 8.08 min Scan# 2147
Delta R.T. 0.01 min
Lab File: VU027865.D
Acq: 30 Oct 2018 10:41

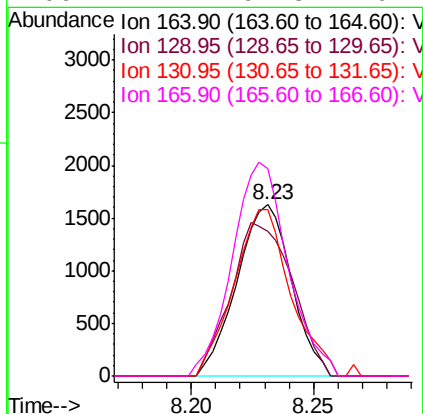
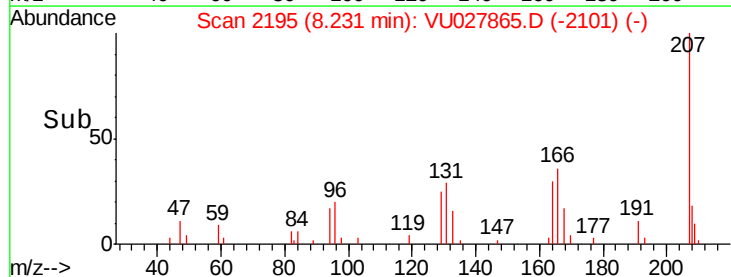
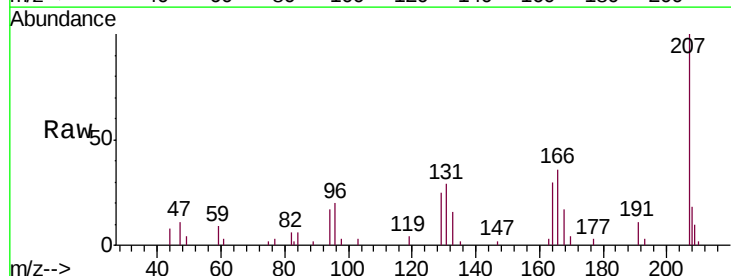
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.543

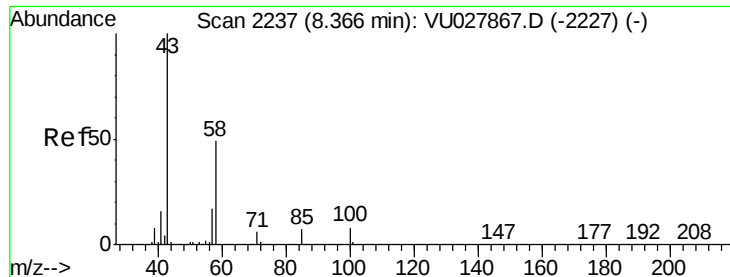
Tgt Ion:	97	Resp:	2190
Ion	Ratio	Lower	Upper
97	100		
99	72.3	42.9	79.7
83	99.9	62.2	115.6
85	56.1	40.2	74.6



#47
Tetrachloroethene
Concen: 0.443 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027865.D
Acq: 30 Oct 2018 10:41

Tgt Ion:	164	Resp:	2510
Ion	Ratio	Lower	Upper
164	100		
129	84.3	64.9	120.5
131	97.2	64.3	119.5
166	121.1	91.8	170.4

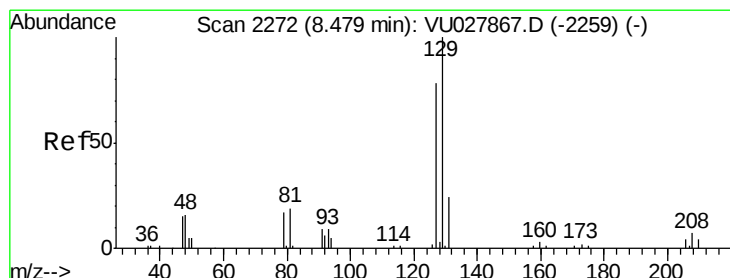
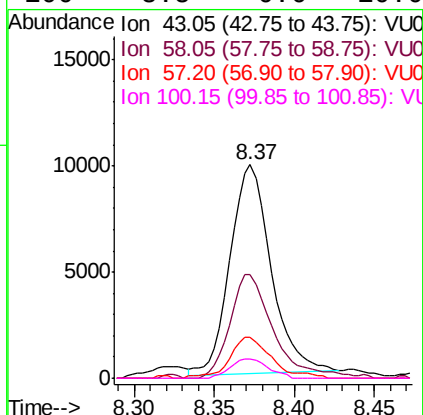
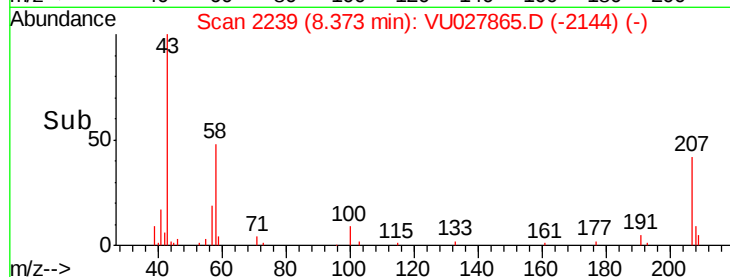
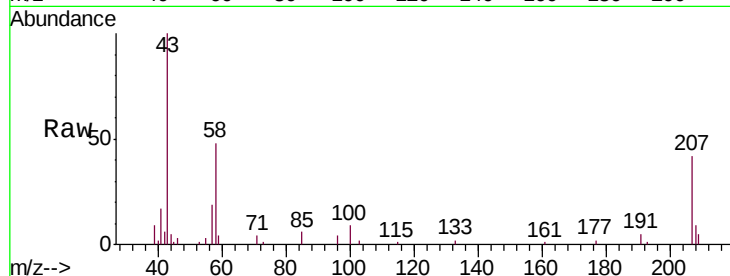




#48
2-Hexanone
Concen: 4.189 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU027865.D
Acq: 30 Oct 2018 10:41

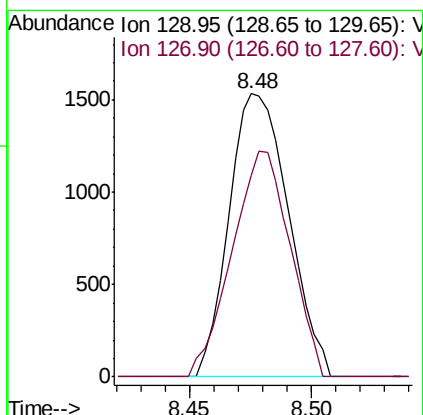
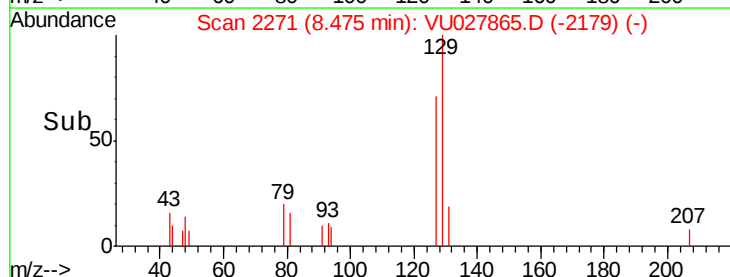
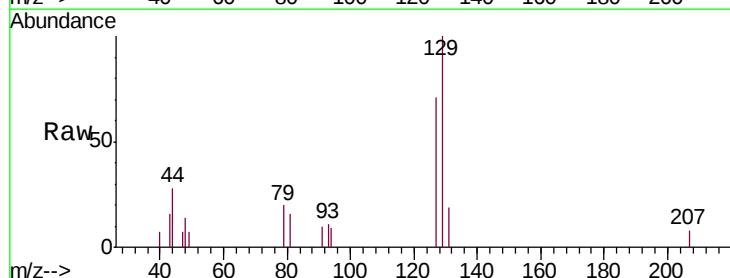
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.543

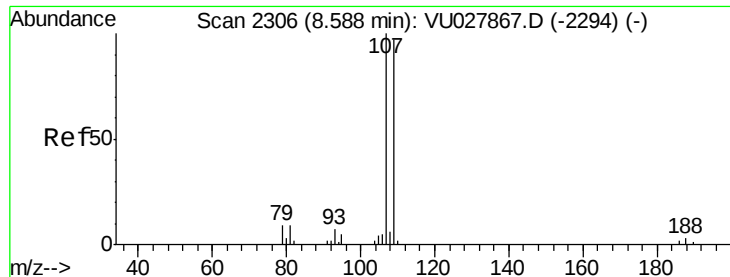
Tgt Ion: 43 Resp: 17234
Ion Ratio Lower Upper
43 100
58 52.9 38.9 58.3
57 20.0 13.3 19.9#
100 8.5 6.6 10.0



#49
Dibromochloromethane
Concen: 0.432 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU027865.D
Acq: 30 Oct 2018 10:41

Tgt Ion: 129 Resp: 2592
Ion Ratio Lower Upper
129 100
127 71.3 54.5 101.1

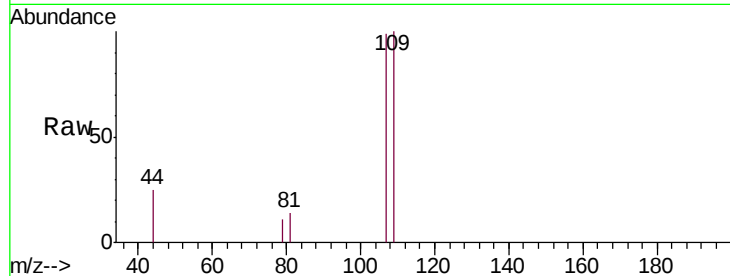




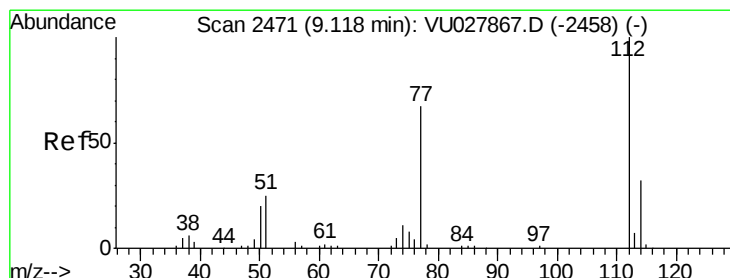
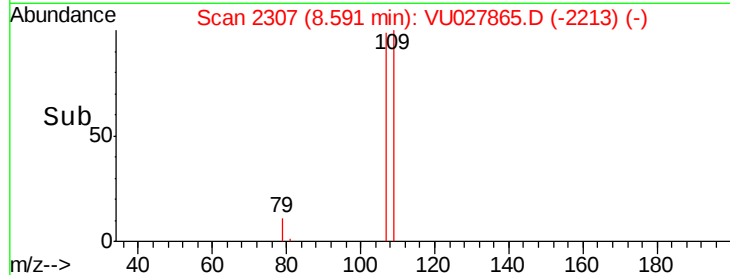
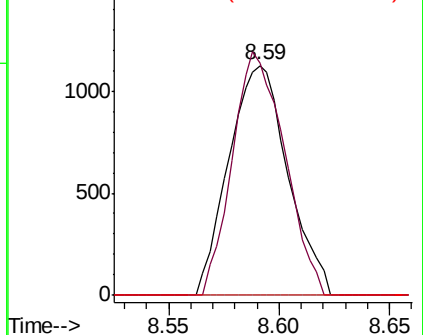
#50
1,2-Dibromoethane
Concen: 0.439 ug/L
RT: 8.59 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VU027865.D
Acq: 30 Oct 2018 10:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.543

Tgt Ion:107 Resp: 2087
Ion Ratio Lower Upper
107 100
109 101.1 68.0 126.4
188 0.0 2.7 4.1#

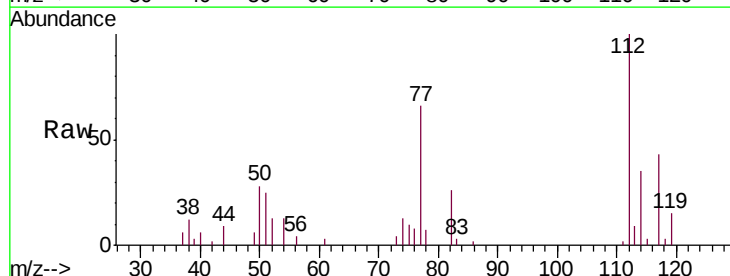


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

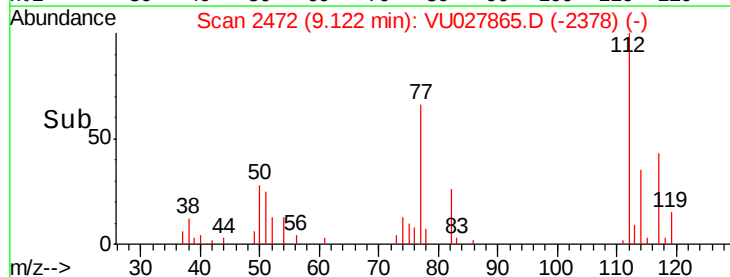
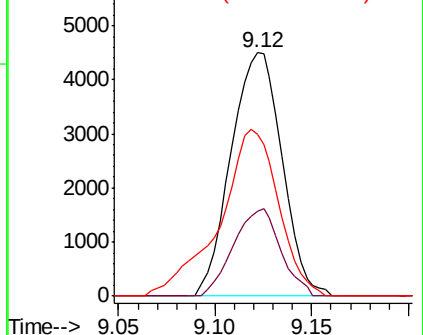


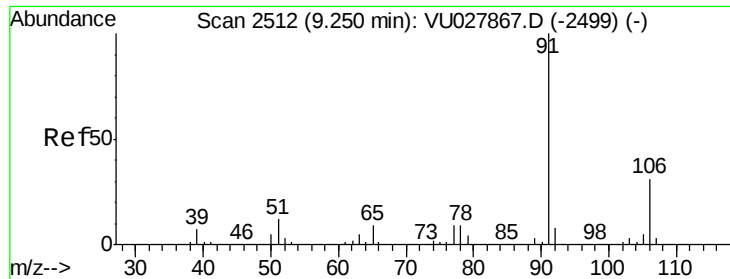
#51
Chlorobenzene
Concen: 0.448 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027865.D
Acq: 30 Oct 2018 10:41

Tgt Ion:112 Resp: 8251
Ion Ratio Lower Upper
112 100
114 35.0 22.0 41.0
77 66.2 54.3 81.5



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: 0.437 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

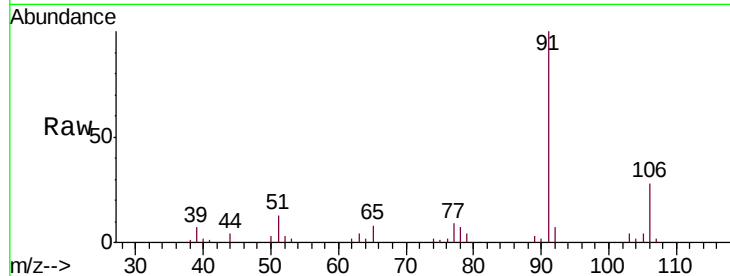
VSTD0.543

Tgt Ion: 91 Resp: 14792

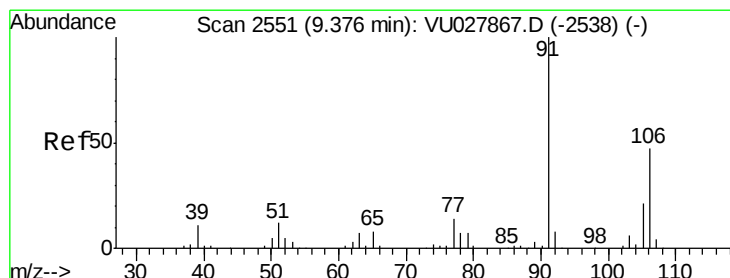
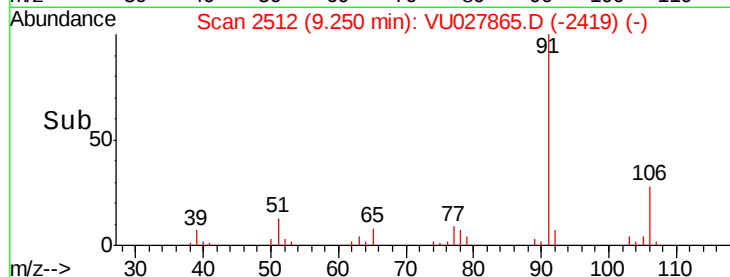
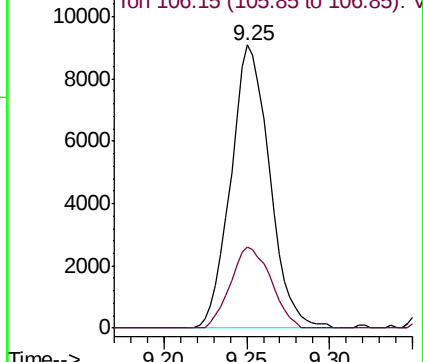
Ion Ratio Lower Upper

91 100

106 28.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU027867.D (-2499) (-)



#53

m,p-xylene

Concen: 0.447 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027865.D

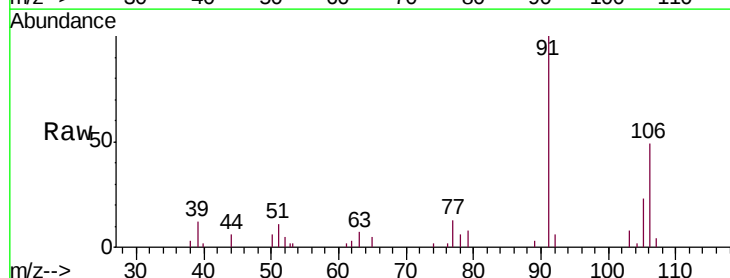
Acq: 30 Oct 2018 10:41

Tgt Ion: 106 Resp: 5479

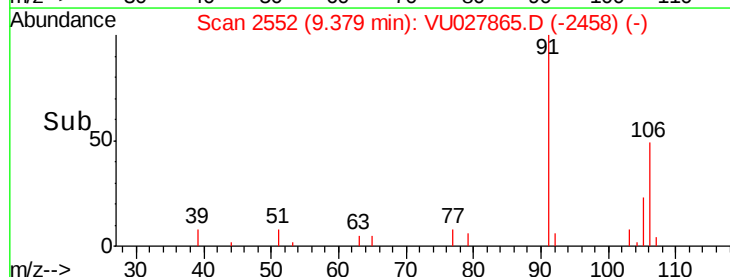
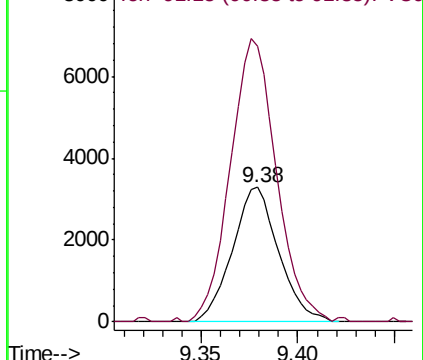
Ion Ratio Lower Upper

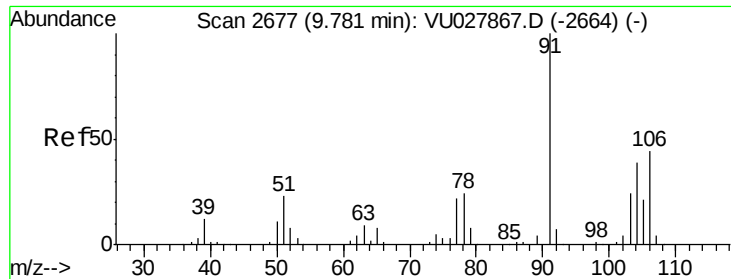
106 100

91 205.3 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): VU027867.D (-2538) (-)





#54

o-xylene

Concen: 0.429 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

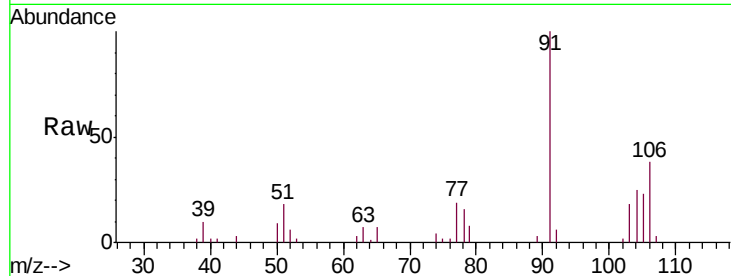
VSTD0.543

Tgt Ion:106 Resp: 5170

Ion Ratio Lower Upper

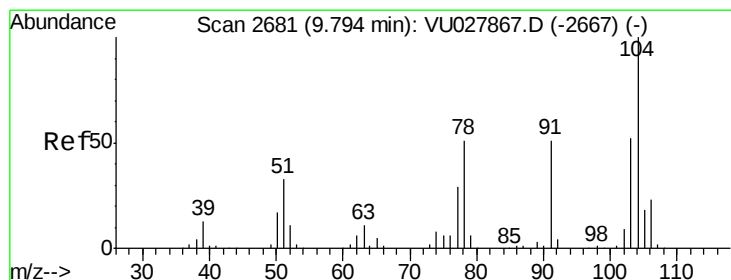
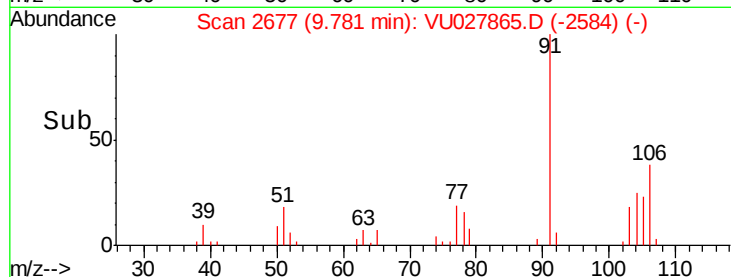
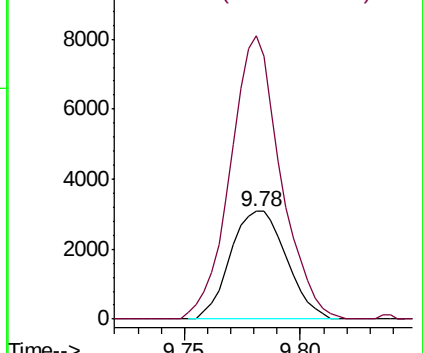
106 100

91 263.2 158.3 293.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.403 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027865.D

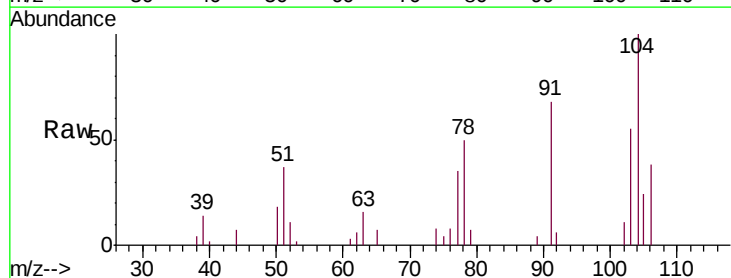
Acq: 30 Oct 2018 10:41

Tgt Ion:104 Resp: 8145

Ion Ratio Lower Upper

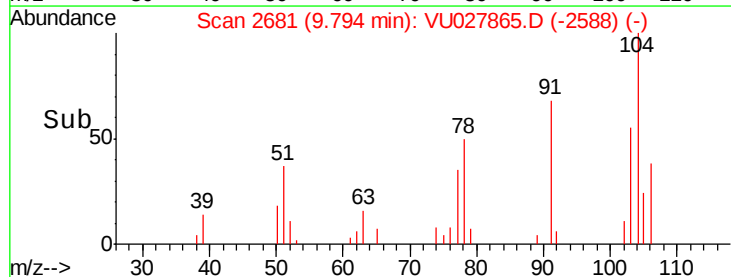
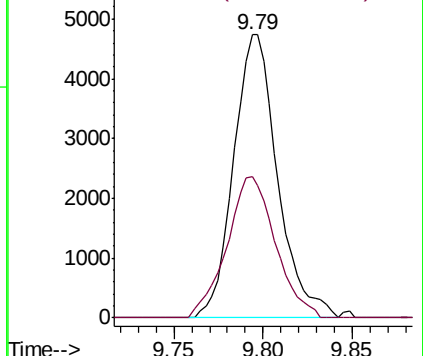
104 100

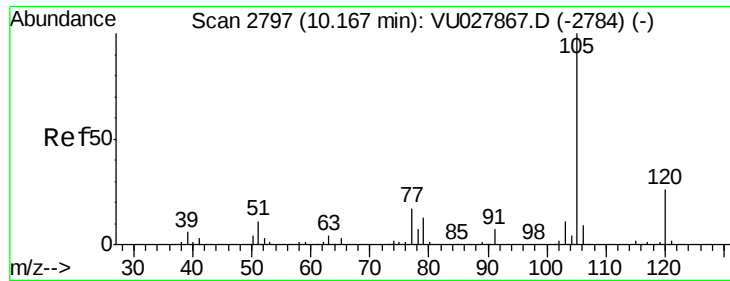
78 50.0 35.6 66.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.426 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.543

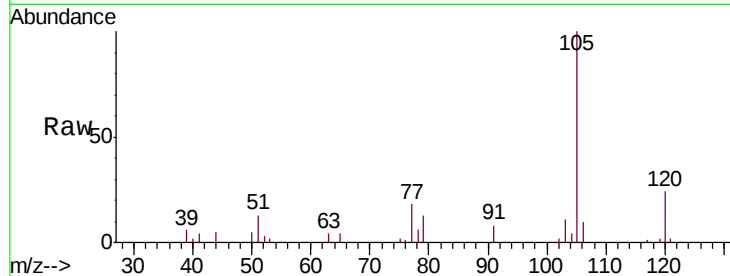
Tgt Ion: 105 Resp: 13969

Ion Ratio Lower Upper

105 100

120 24.4 20.2 30.2

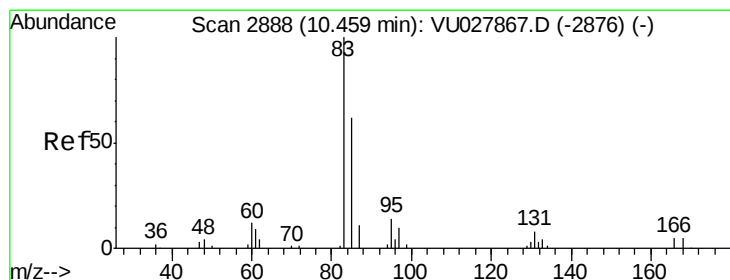
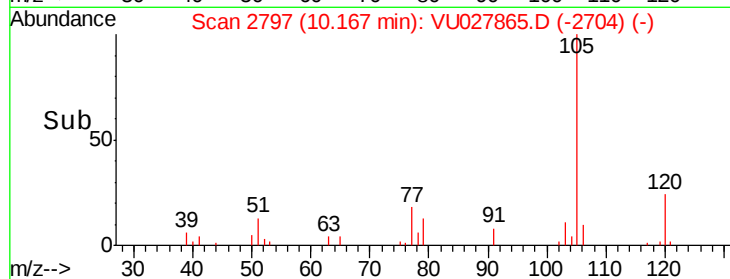
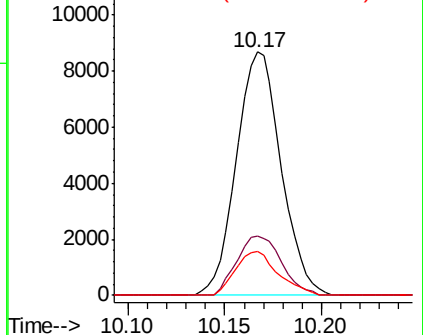
77 17.2 13.4 20.2



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: 0.456 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

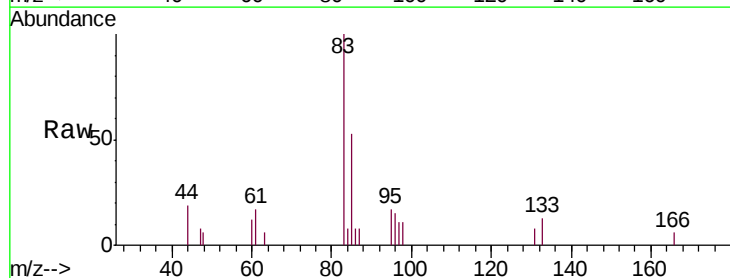
Tgt Ion: 83 Resp: 2956

Ion Ratio Lower Upper

83 100

85 52.8 44.4 82.4

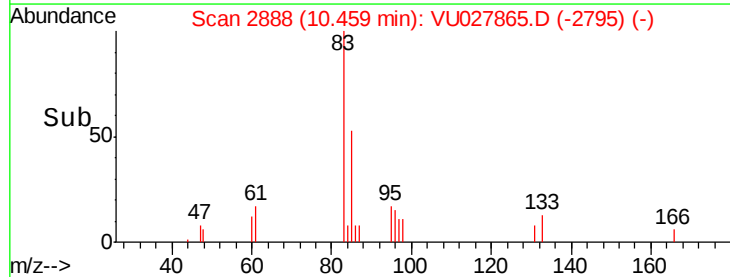
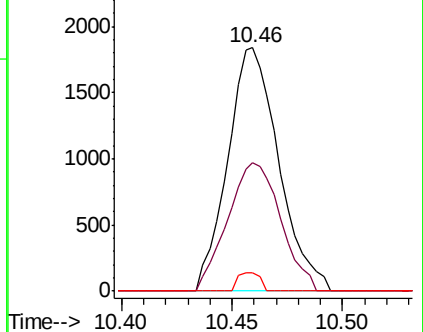
131 7.5 6.8 10.2

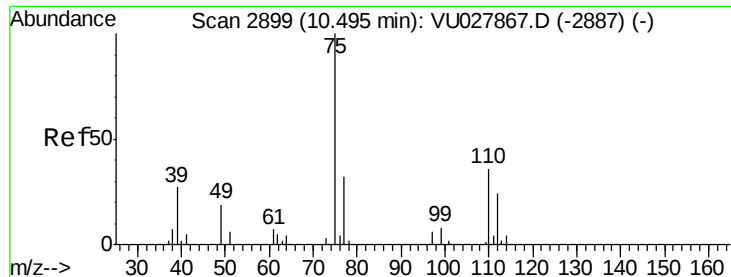


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

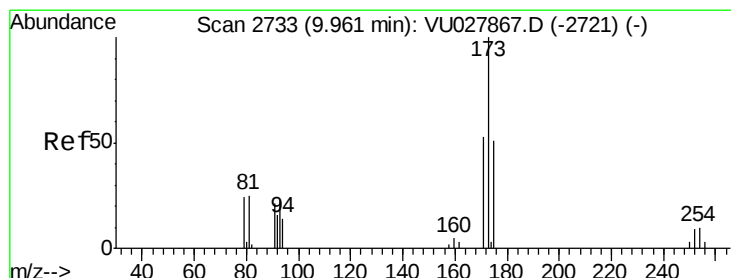
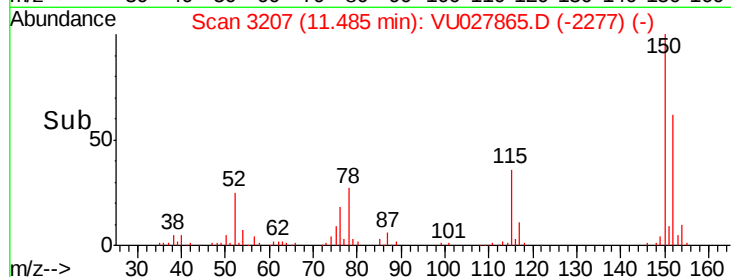
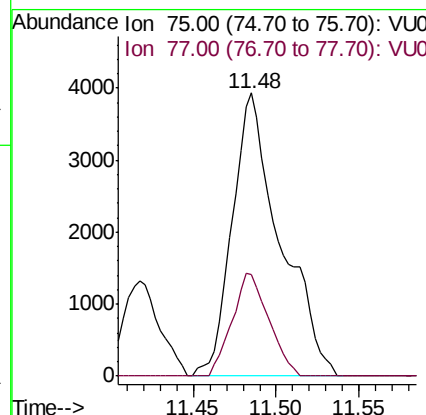
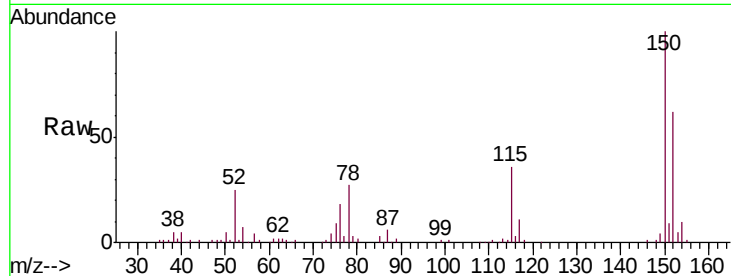




#59
 1,2,3-Trichloropropane
 Concen: 1.613 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU027865.D
 Acq: 30 Oct 2018 10:41

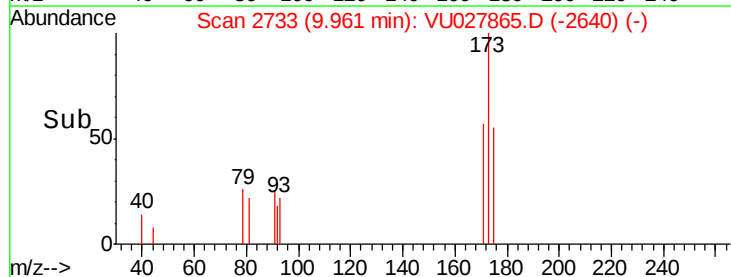
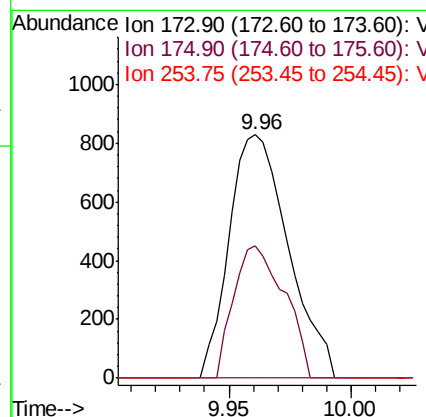
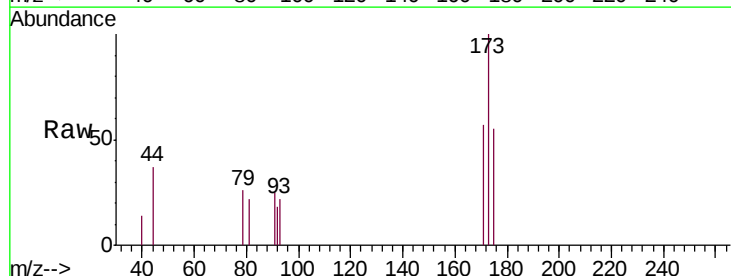
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

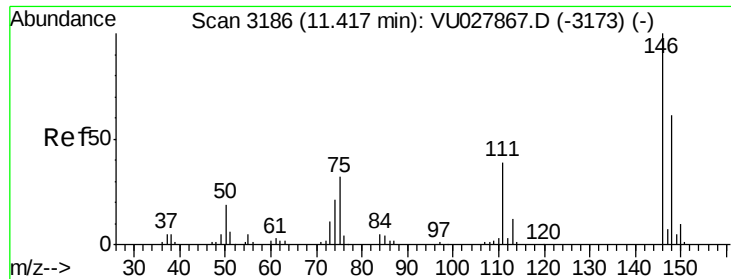
Tgt Ion: 75 Resp: 7899
 Ion Ratio Lower Upper
 75 100
 77 27.8 25.8 38.6



#61
 Bromoform
 Concen: 0.432 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU027865.D
 Acq: 30 Oct 2018 10:41

Tgt Ion: 173 Resp: 1397
 Ion Ratio Lower Upper
 173 100
 175 46.6 38.3 57.5
 254 0.0 7.8 11.6#

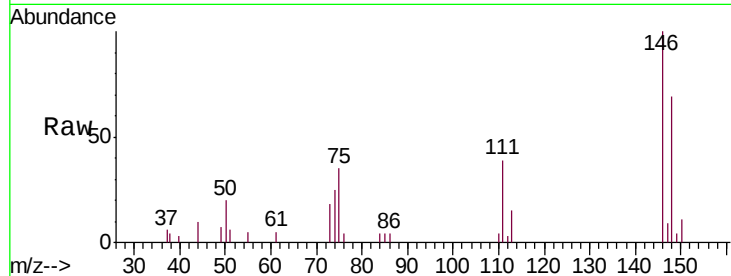




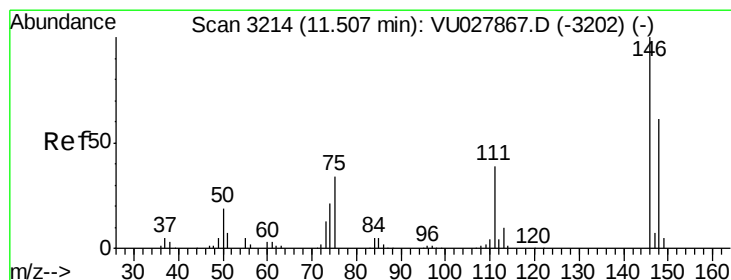
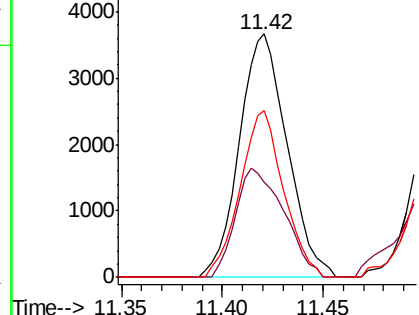
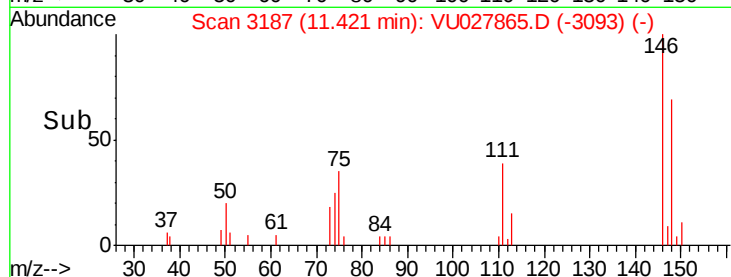
#62
 1,3-Dichlorobenzene
 Concen: 0.430 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027865.D
 Acq: 30 Oct 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD0.543

Tgt Ion:146 Resp: 6080
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.4 51.0
 148 68.7 42.6 79.0

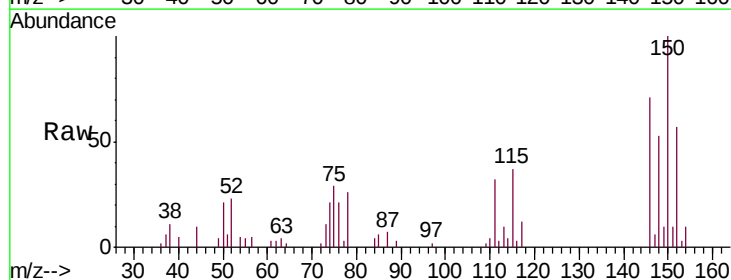


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

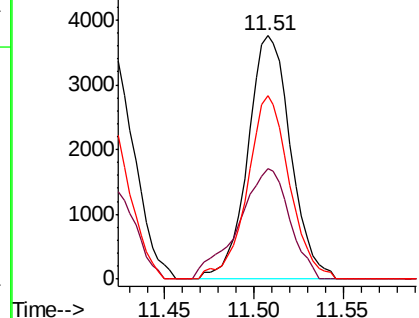
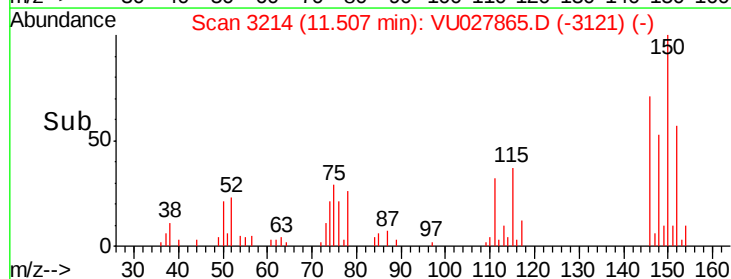


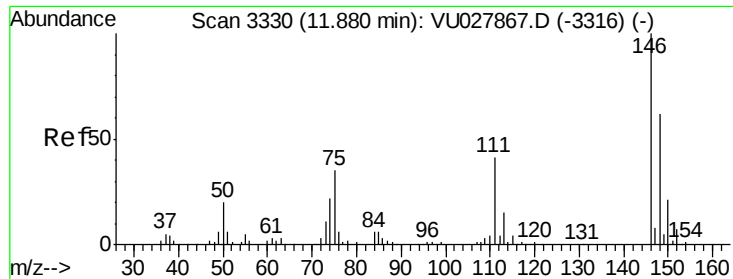
#63
 1,4-Dichlorobenzene
 Concen: 0.446 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027865.D
 Acq: 30 Oct 2018 10:41

Tgt Ion:146 Resp: 6314
 Ion Ratio Lower Upper
 146 100
 111 45.5 27.4 51.0
 148 75.6 43.1 80.1



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





#65

1,2-Dichlorobenzene

Concen: 0.454 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.543

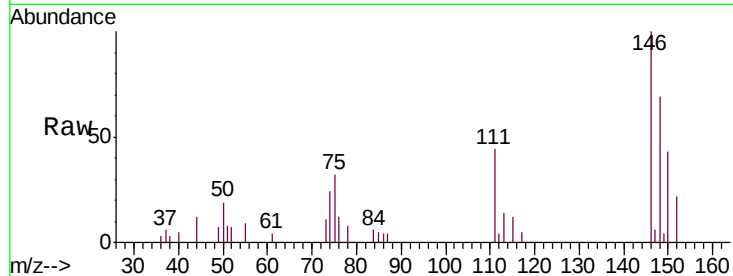
Tgt Ion:146 Resp: 6062

Ion Ratio Lower Upper

146 100

111 44.1 33.0 49.4

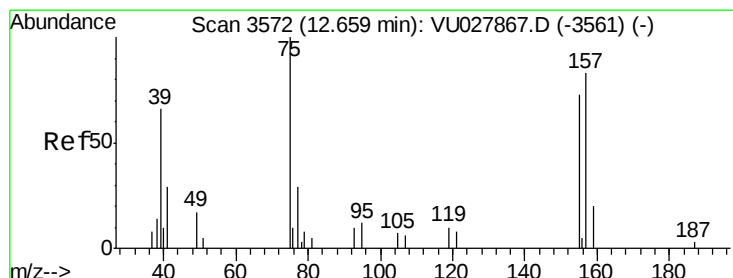
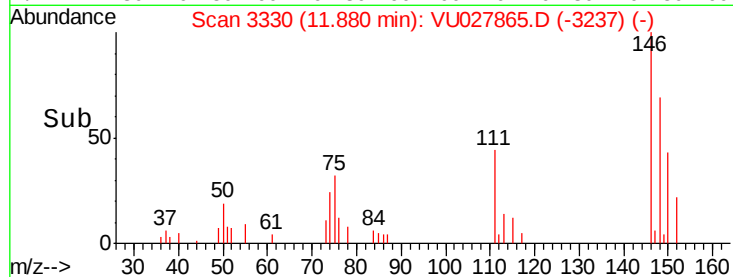
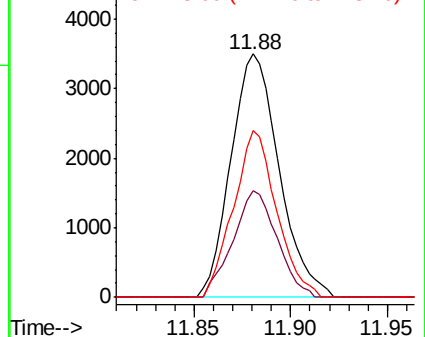
148 68.5 49.2 73.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.388 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

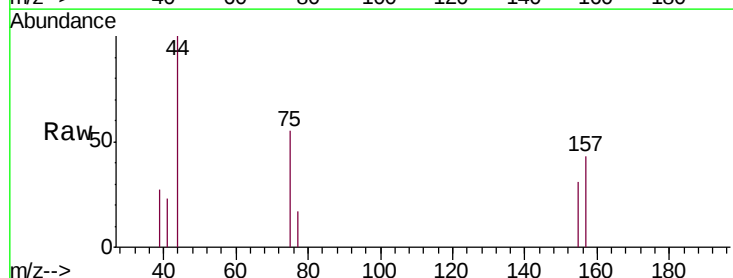
Tgt Ion: 75 Resp: 406

Ion Ratio Lower Upper

75 100

155 56.4 58.6 87.8#

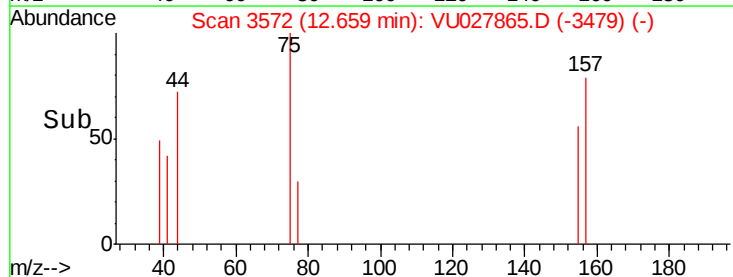
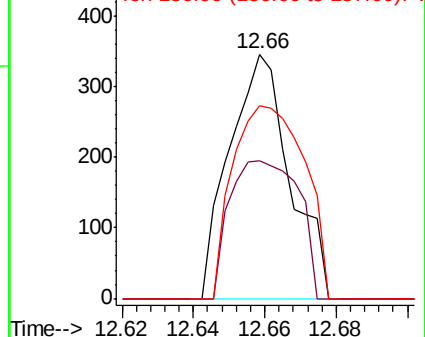
157 79.2 66.7 100.1

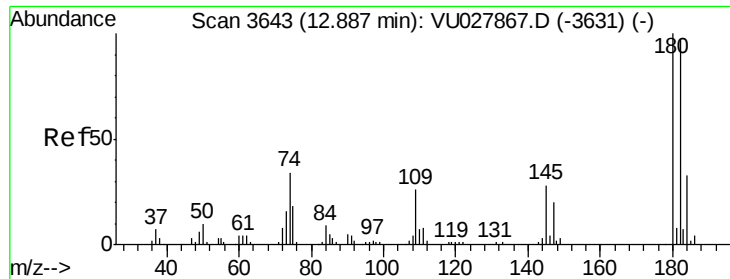


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

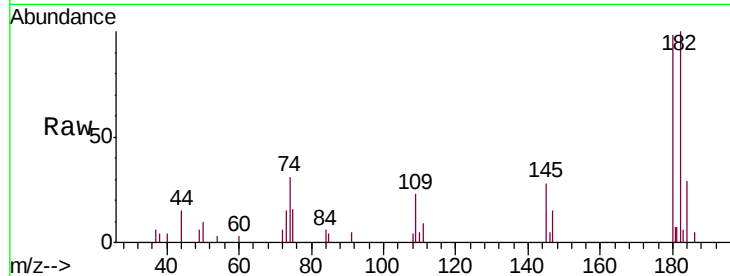




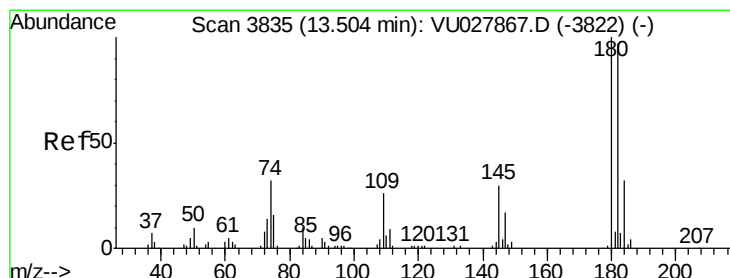
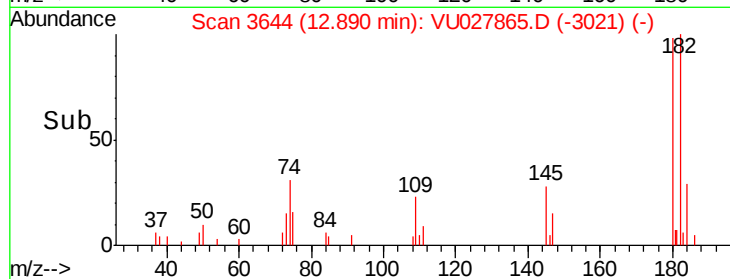
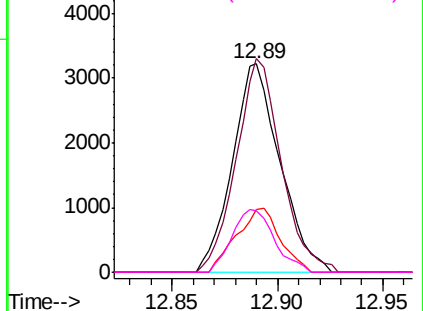
#67
 1,3,5-Trichlorobenzene
 Concen: 0.443 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027865.D
 Acq: 30 Oct 2018 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.543

Tgt Ion:180 Resp: 5041
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.3 115.9
 184 28.2 24.6 37.0
 145 26.9 23.0 34.6

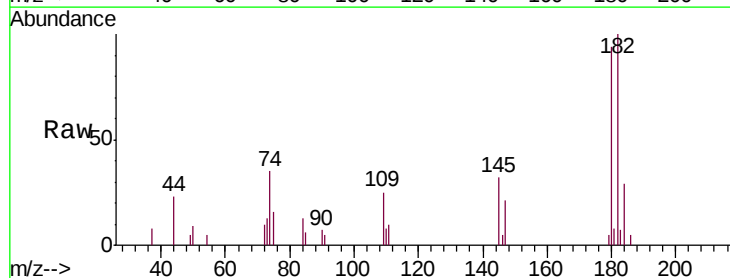


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

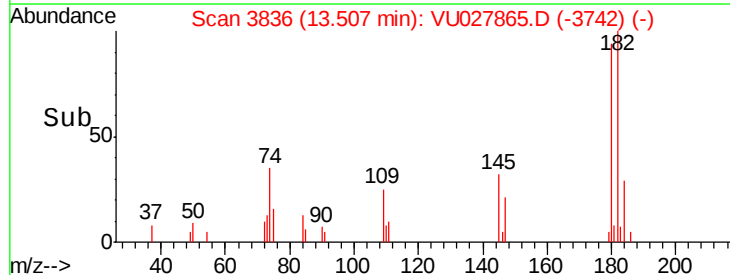
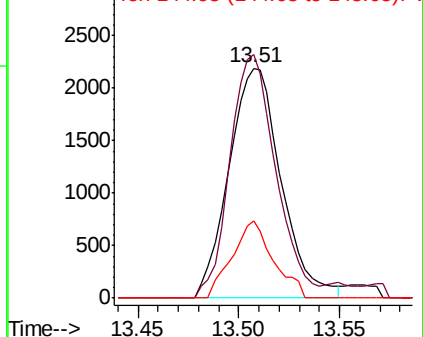


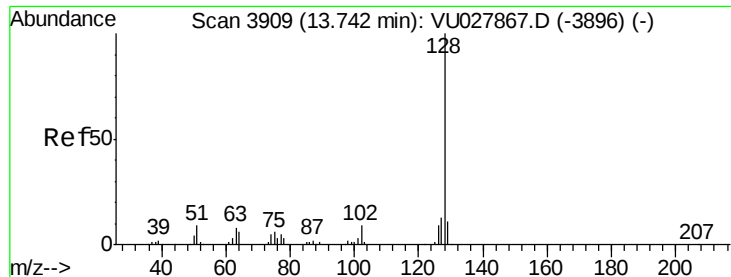
#68
 1,2,4-trichlorobenzene
 Concen: 0.410 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027865.D
 Acq: 30 Oct 2018 10:41

Tgt Ion:180 Resp: 3968
 Ion Ratio Lower Upper
 180 100
 182 93.5 77.8 116.6
 145 26.4 22.9 34.3



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: 0.374 ug/L

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.543

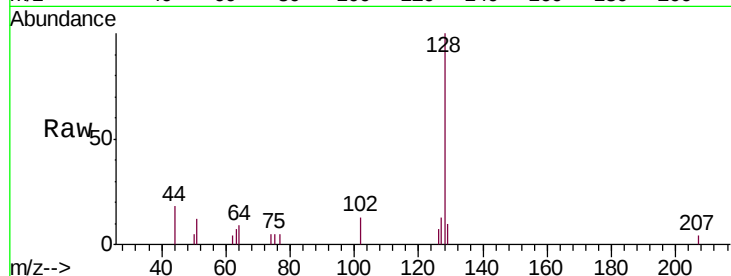
Tgt Ion:128 Resp: 5627

Ion Ratio Lower Upper

128 100

129 5.6 8.6 12.8#

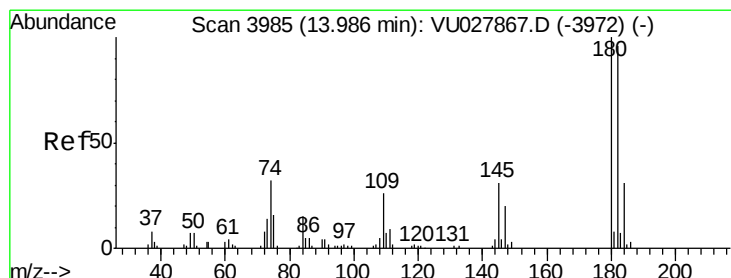
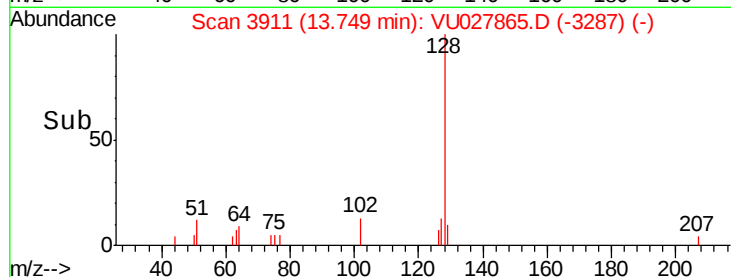
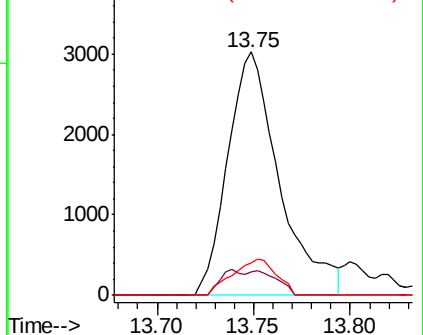
127 12.6 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.421 ug/L

RT: 13.99 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VU027865.D

Acq: 30 Oct 2018 10:41

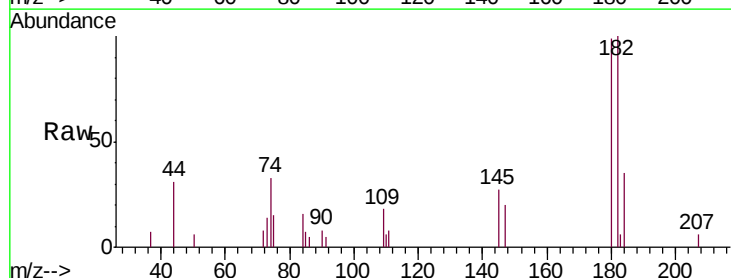
Tgt Ion:180 Resp: 3716

Ion Ratio Lower Upper

180 100

182 101.3 79.4 119.0

145 24.5 25.4 38.0#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

