

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100518\
 Data File : VU027441.D
 Acq On : 05 Oct 2018 09:24
 Operator : MD/SY
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Oct 06 04:12:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 06 04:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	234224	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	218433	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109940	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	93950	50.97	ug/L	0.00
7) Chloroethane-d5	1.68	69	72043	50.73	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	176613	51.08	ug/L	0.00
21) 2-Butanone-d5	4.18	46	152650	102.58	ug/L	0.00
24) Chloroform-d	4.65	84	153646	52.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	102717	49.72	ug/L	0.00
32) Benzene-d6	5.34	84	323236	51.63	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	110683	51.62	ug/L	0.00
41) Toluene-d8	7.57	98	287675	51.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	52076	50.40	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	113283	104.60	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	143629	51.22	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	104271	48.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	114686	49.375	ug/L 100
3) Chloromethane	1.33	50	132059	49.478	ug/L 100
5) Vinyl chloride	1.40	62	129266	49.563	ug/L 100
6) Bromomethane	1.63	94	54851	48.125	ug/L 100
8) Chloroethane	1.70	64	73214	46.841	ug/L 100
9) Trichlorofluoromethane	1.89	101	134005	51.330	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	78292	50.515	ug/L 100
12) 1,1-Dichloroethene	2.29	96	76890	50.820	ug/L 100
13) Acetone	2.32	43	121839	99.827	ug/L 100
14) Carbon disulfide	2.48	76	265763	47.819	ug/L 100
15) Methyl Acetate	2.62	43	122703	50.170	ug/L 100
16) Methylene chloride	2.70	84	91947	50.036	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	82279	49.108	ug/L 100
18) Methyl tert-butyl Ether	3.00	73	281284	50.493	ug/L 100
19) 1,1-Dichloroethane	3.45	63	175315	50.675	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	92776	49.917	ug/L 100
22) 2-Butanone	4.26	43	174217	99.717	ug/L 100
23) Bromochloromethane	4.55	128	43515	51.340	ug/L 100
25) Chloroform	4.67	83	164620	49.258	ug/L 100
27) 1,2-Dichloroethane	5.40	62	134916	50.266	ug/L 100
29) Cyclohexane	5.00	56	171190	51.669	ug/L 100
30) 1,1,1-Trichloroethane	4.92	97	130974	50.115	ug/L 100
31) Carbon tetrachloride	5.14	117	112383	51.125	ug/L 100
33) Benzene	5.39	78	364439	50.772	ug/L 100
34) Trichloroethene	6.19	95	86487	50.101	ug/L 100
35) Methylcyclohexane	6.42	83	153980	51.337	ug/L 100
37) 1,2-Dichloropropane	6.43	63	106534	51.227	ug/L 100
38) Bromodichloromethane	6.76	83	119771	50.681	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	157743	51.621	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	312669	102.671	ug/L 100

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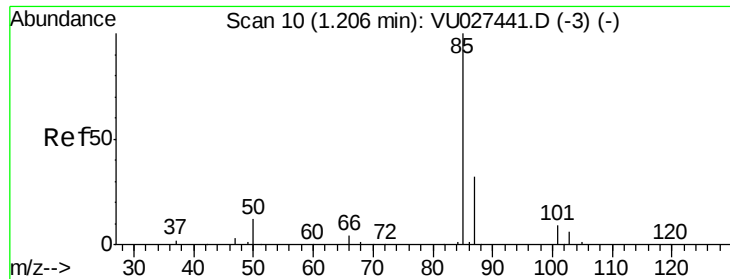
Instrument :
 MSVOA_U
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	371369	51.563	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	144414	50.913	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	84287	50.489	ug/L	100
46) Tetrachloroethene	8.23	164	64652	50.393	ug/L	100
48) 2-Hexanone	8.36	43	245940	102.276	ug/L	100
49) Dibromochloromethane	8.48	129	88528	50.857	ug/L	100
50) 1,2-Dibromoethane	8.59	107	88719	50.092	ug/L	100
51) Chlorobenzene	9.12	112	223925	49.179	ug/L	100
52) Ethylbenzene	9.25	91	405398	50.694	ug/L	100
53) m,p-Xylene	9.38	106	148044	50.579	ug/L	100
54) o-xylene	9.78	106	143548	50.908	ug/L	100
55) Styrene	9.79	104	252400	52.271	ug/L	100
56) Isopropylbenzene	10.17	105	386101	52.249	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	148711	50.841	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	118689	50.410	ug/L	100
61) Bromoform	9.96	173	62782	50.258	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	169176	49.443	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	173792	48.693	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	169595	48.690	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	32030	49.605	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	129944	49.154	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	118668	48.812	ug/L	100
69) Naphthalene	13.74	128	390135	52.043	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	121955	49.330	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 49.375 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

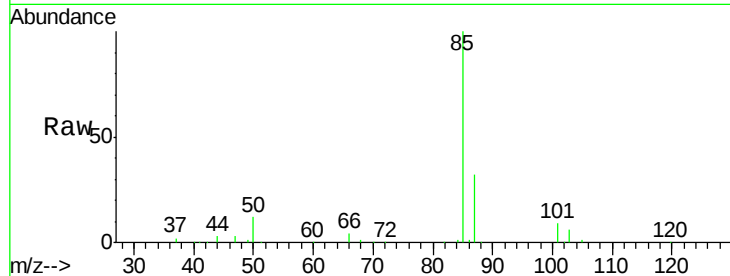
VSTD05053

Tgt Ion: 85 Resp: 114686

Ion Ratio Lower Upper

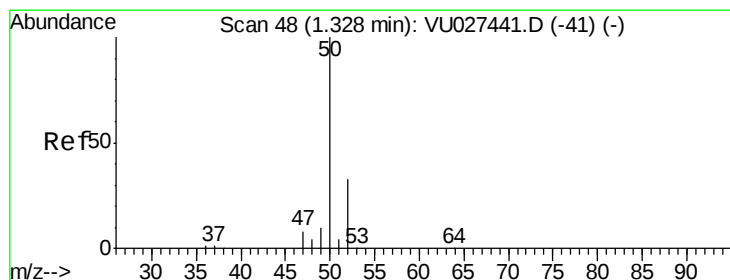
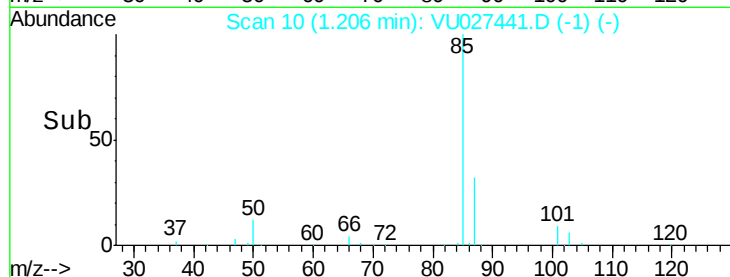
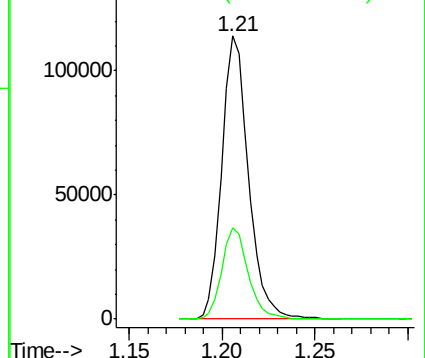
85 100

87 31.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 49.478 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU027441.D

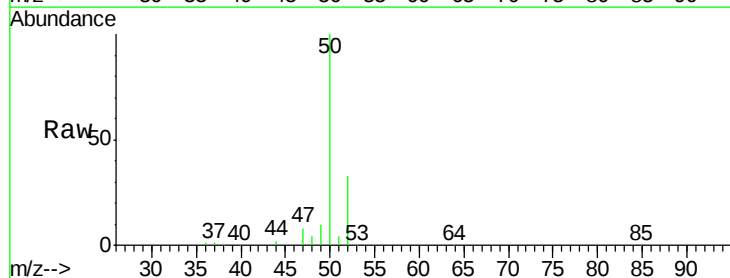
Acq: 05 Oct 2018 09:24

Tgt Ion: 50 Resp: 132059

Ion Ratio Lower Upper

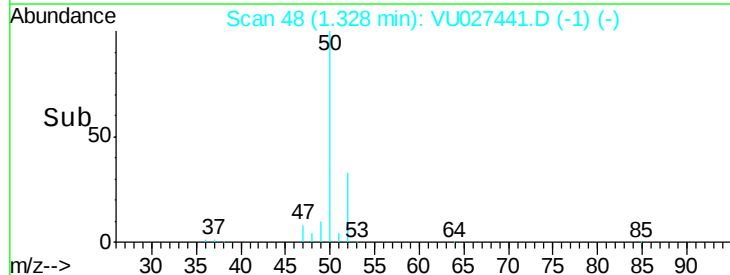
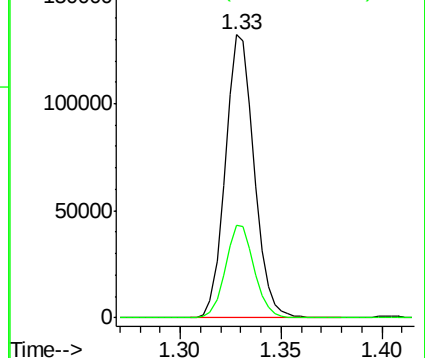
50 100

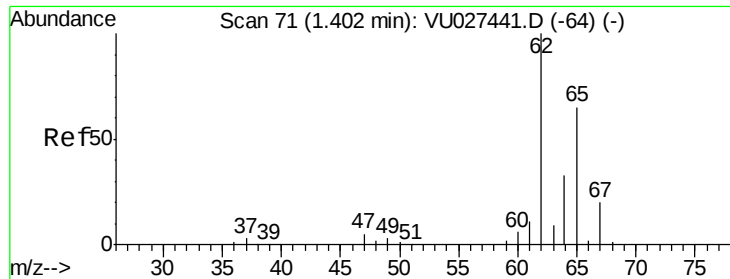
52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 49.563 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

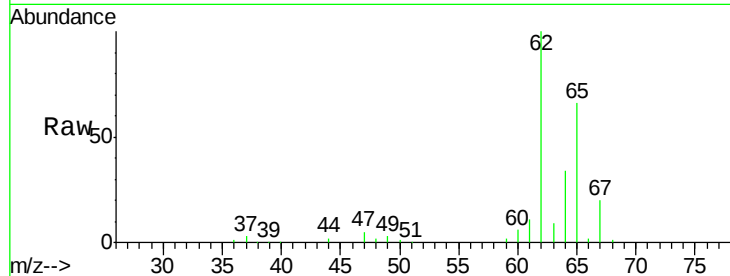
VSTD05053

Tgt Ion: 62 Resp: 129266

Ion Ratio Lower Upper

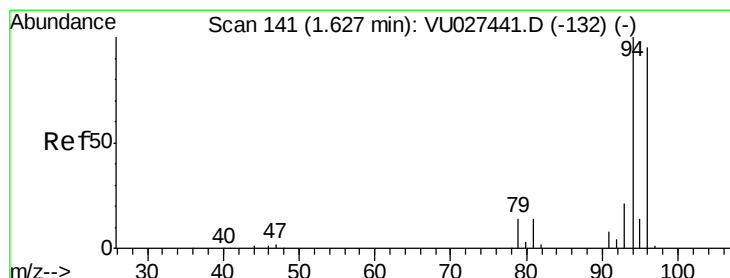
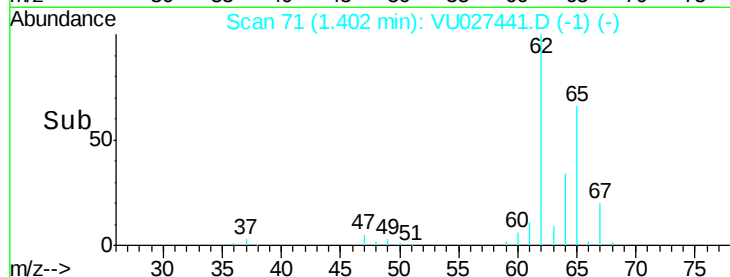
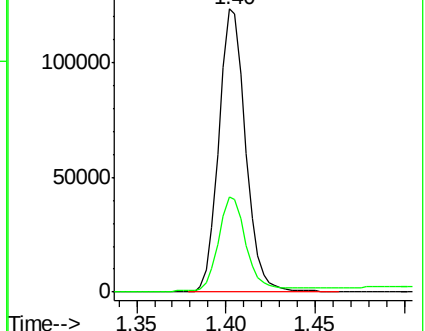
62 100

64 33.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 48.125 ug/L

RT: 1.63 min Scan# 141

Delta R.T. 0.00 min

Lab File: VU027441.D

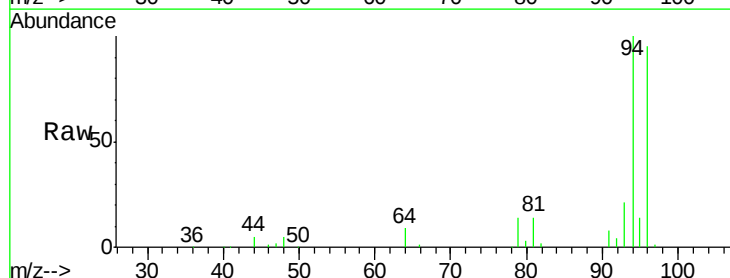
Acq: 05 Oct 2018 09:24

Tgt Ion: 94 Resp: 54851

Ion Ratio Lower Upper

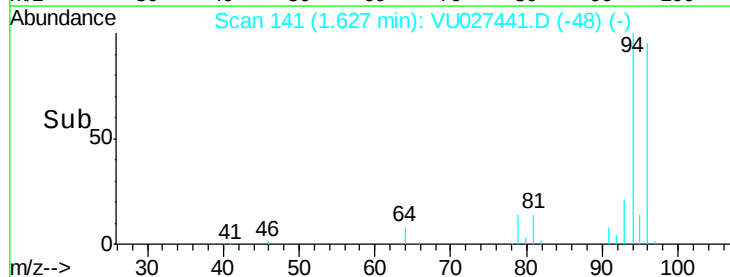
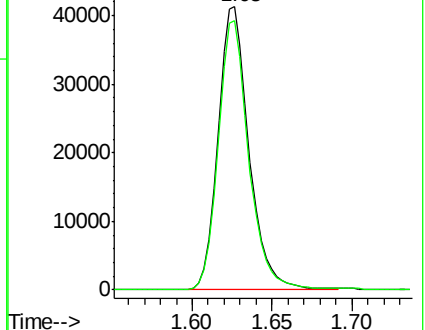
94 100

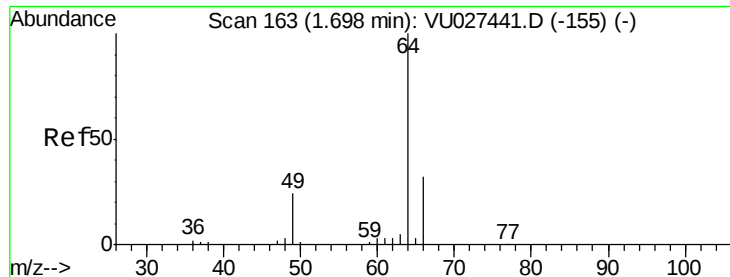
96 95.2 66.6 123.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 46.841 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

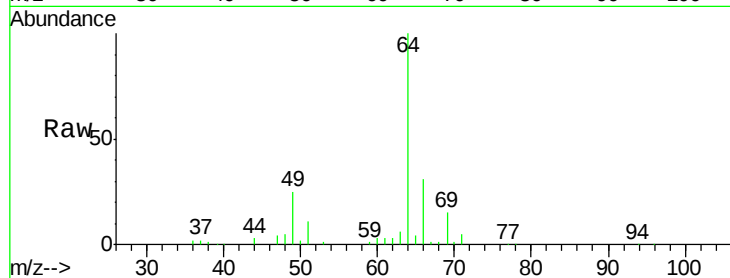
VSTD05053

Tgt Ion: 64 Resp: 73214

Ion Ratio Lower Upper

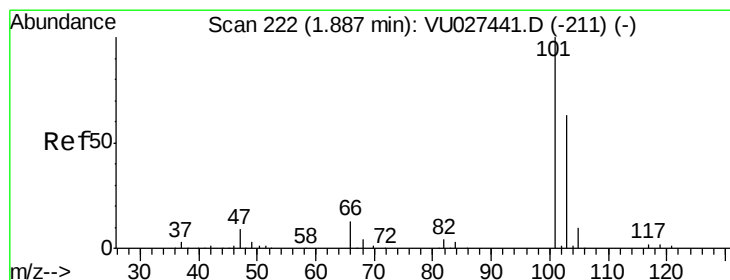
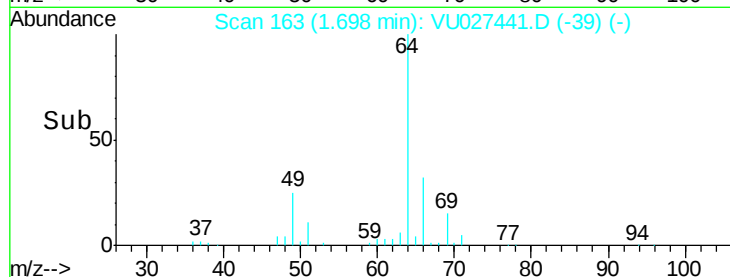
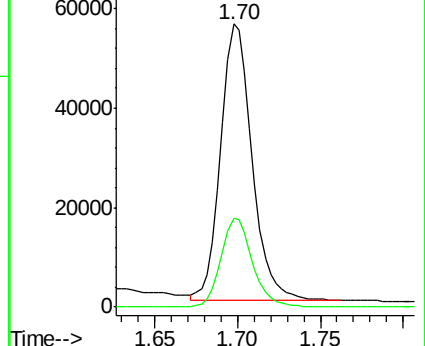
64 100

66 31.4 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 51.330 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU027441.D

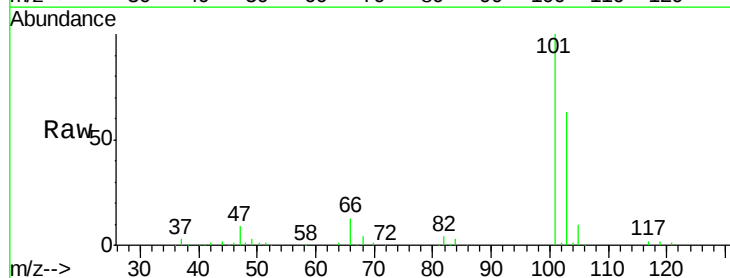
Acq: 05 Oct 2018 09:24

Tgt Ion: 101 Resp: 134005

Ion Ratio Lower Upper

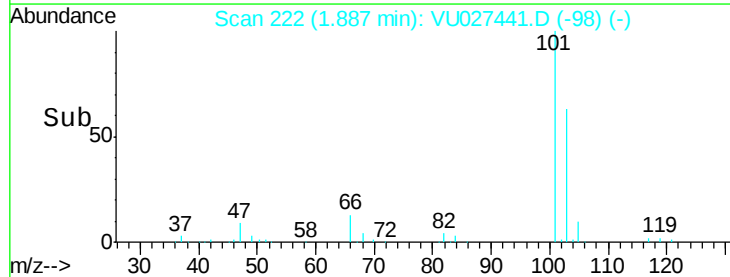
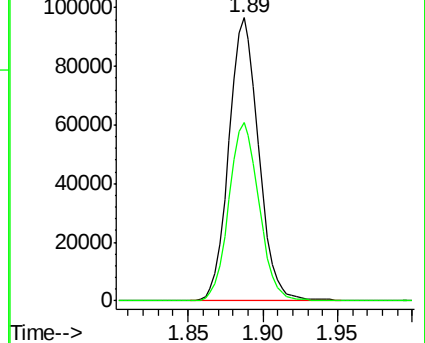
101 100

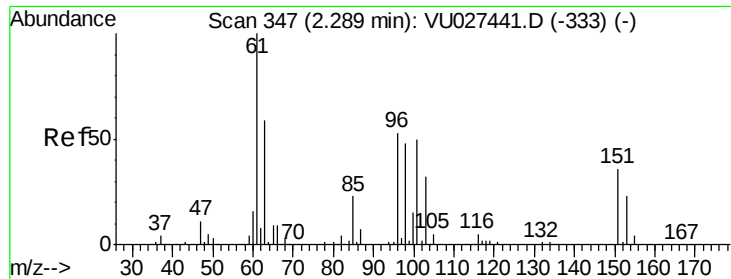
103 63.9 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 50.515 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

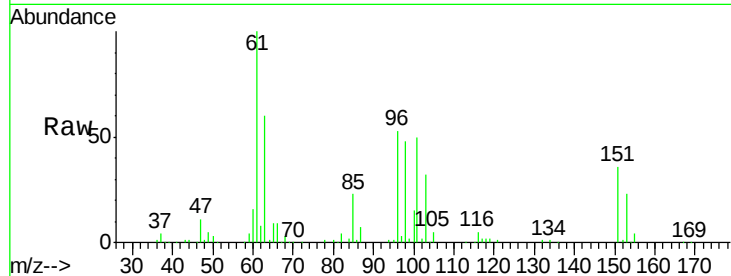
Tgt Ion:101 Resp: 78292

Ion Ratio Lower Upper

101 100

85 44.9 35.9 53.9

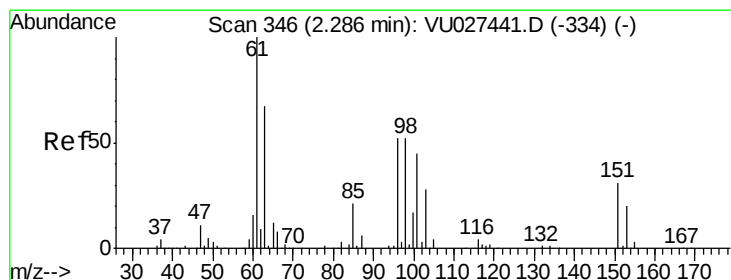
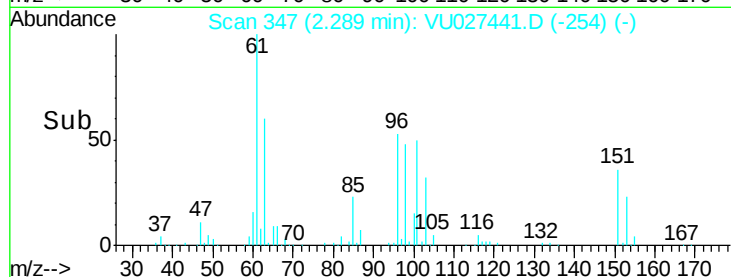
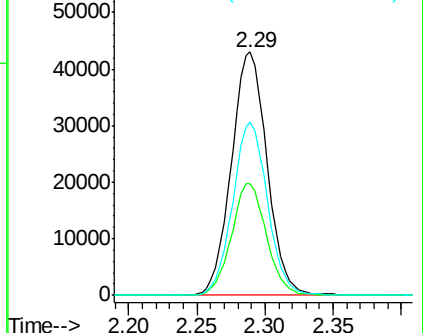
151 69.6 55.7 83.5



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: 50.820 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

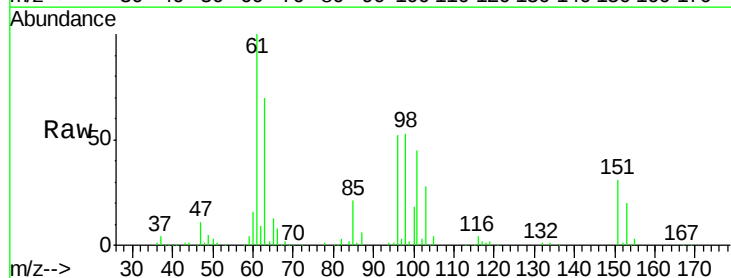
Tgt Ion: 96 Resp: 76890

Ion Ratio Lower Upper

96 100

61 193.1 135.2 251.0

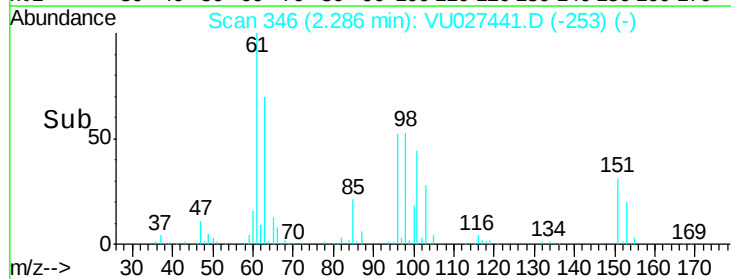
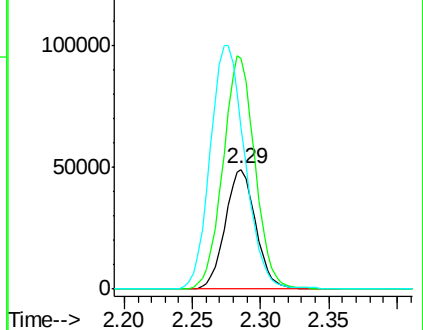
63 134.7 94.3 175.1

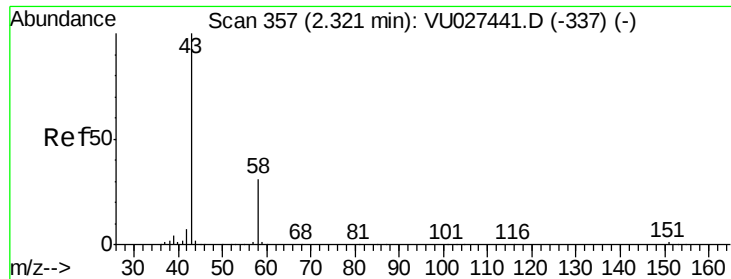


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 99.827 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

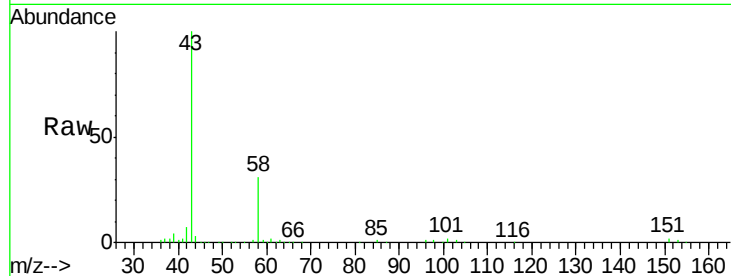
VSTD05053

Tgt Ion: 43 Resp: 121839

Ion Ratio Lower Upper

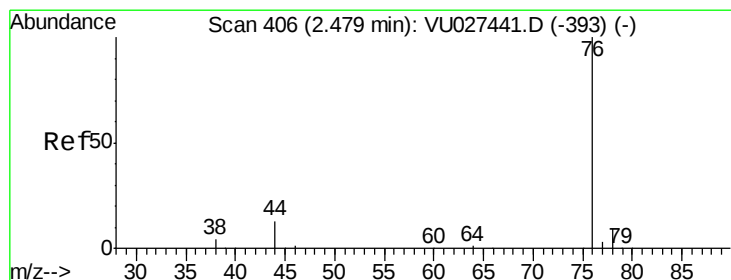
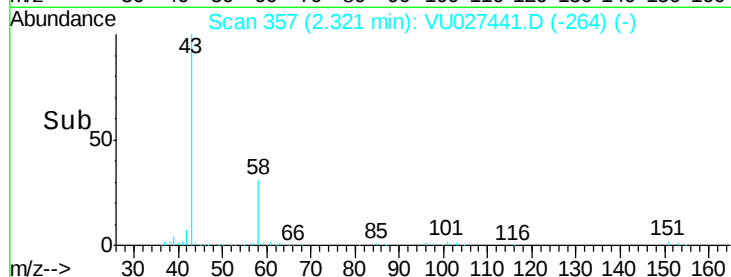
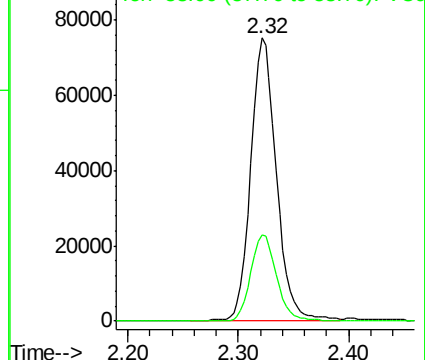
43 100

58 30.4 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 47.819 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027441.D

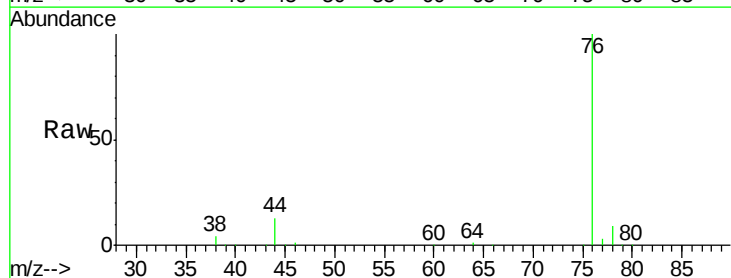
Acq: 05 Oct 2018 09:24

Tgt Ion: 76 Resp: 265763

Ion Ratio Lower Upper

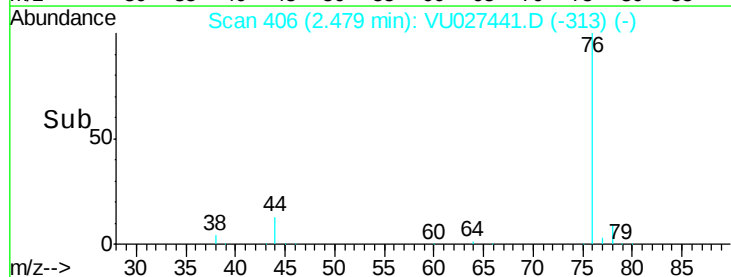
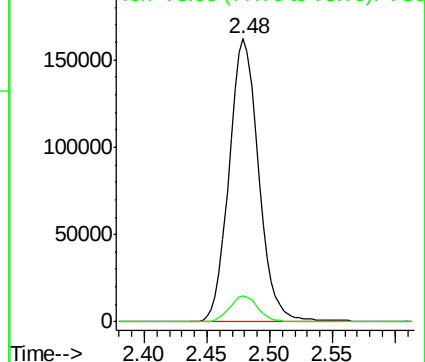
76 100

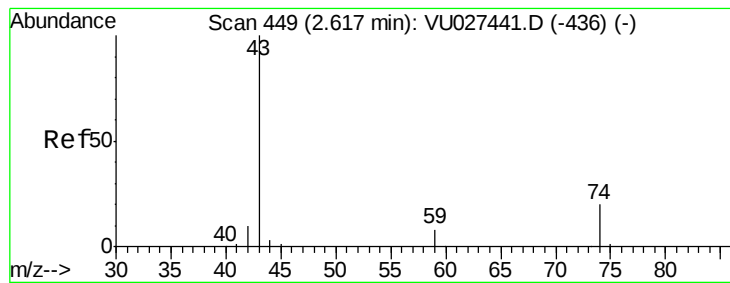
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 50.170 ug/L

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

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ClientSampleId :

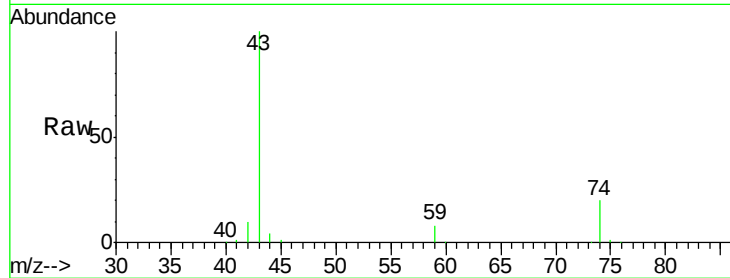
VSTD05053

Tgt Ion: 43 Resp: 122703

Ion Ratio Lower Upper

43 100

74 20.0 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

80000

60000

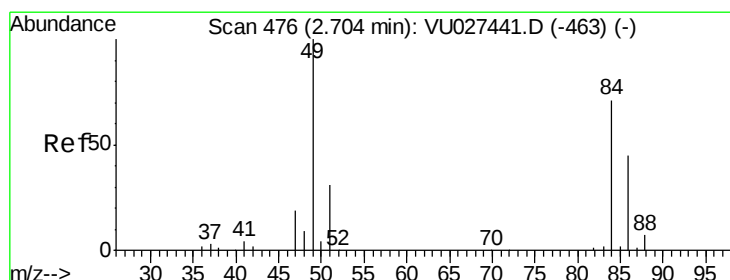
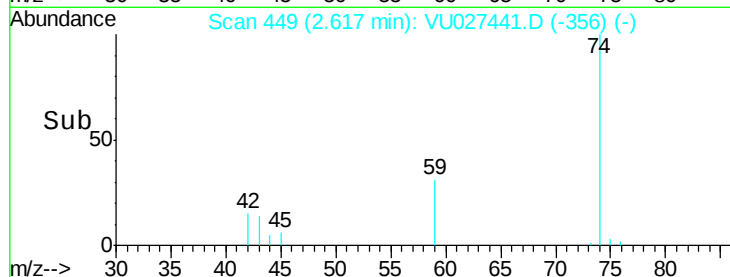
40000

20000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 50.036 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

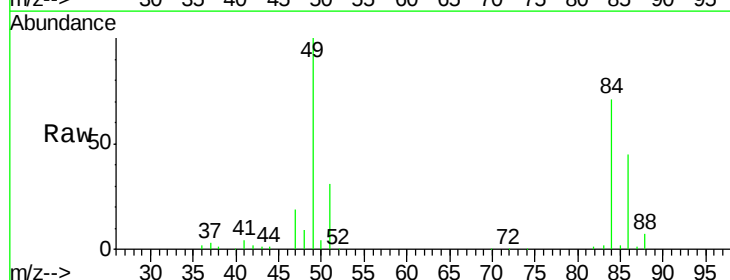
Tgt Ion: 84 Resp: 91947

Ion Ratio Lower Upper

84 100

86 63.7 44.6 82.8

49 140.4 98.3 182.5



Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

100000

80000

60000

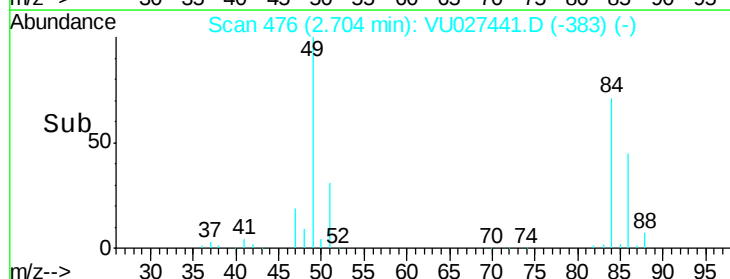
40000

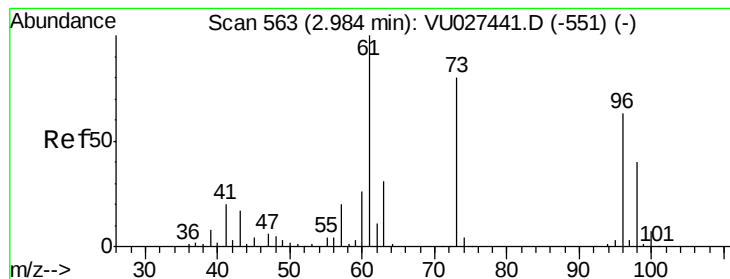
20000

0

Time-->

2.60 2.65 2.70 2.75 2.80





#17

trans-1,2-Dichloroethene

Concen: 49.108 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

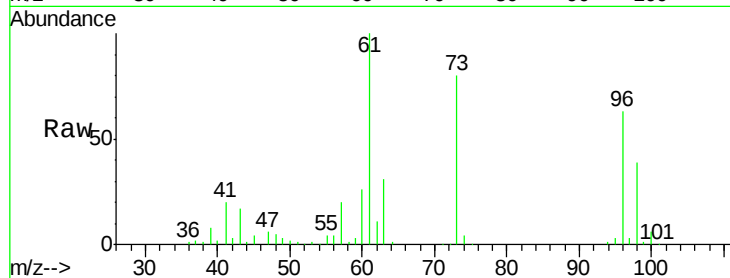
Tgt Ion: 96 Resp: 82279

Ion Ratio Lower Upper

96 100

61 158.4 110.9 205.9

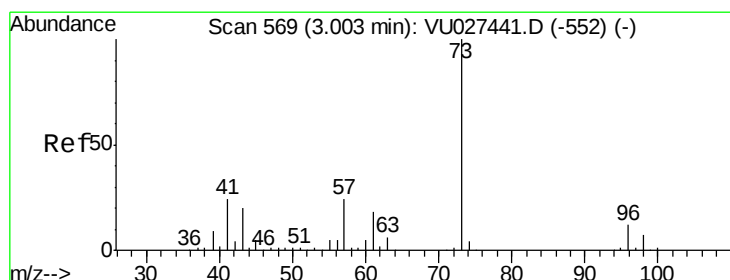
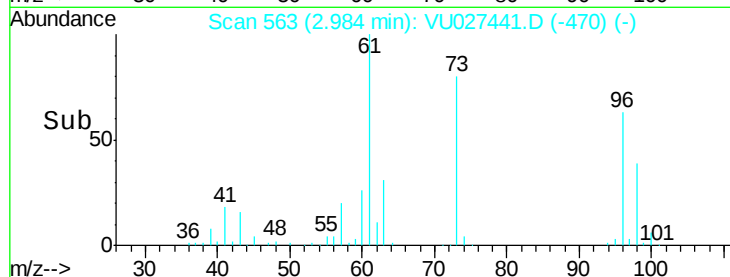
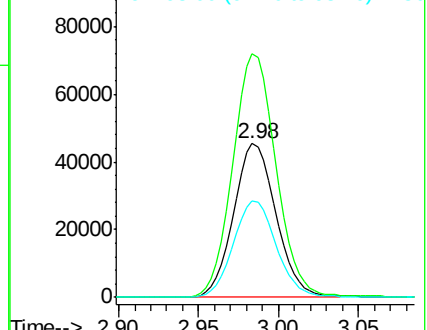
98 62.4 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU027441.D (-551) (-)

Ion 61.00 (60.70 to 61.70): VU027441.D (-551) (-)

Ion 98.00 (97.70 to 98.70): VU027441.D (-551) (-)



#18

Methyl tert-butyl Ether

Concen: 50.493 ug/L

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

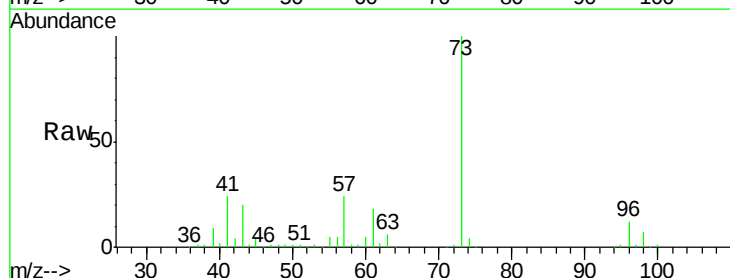
Tgt Ion: 73 Resp: 281284

Ion Ratio Lower Upper

73 100

43 20.6 16.5 24.7

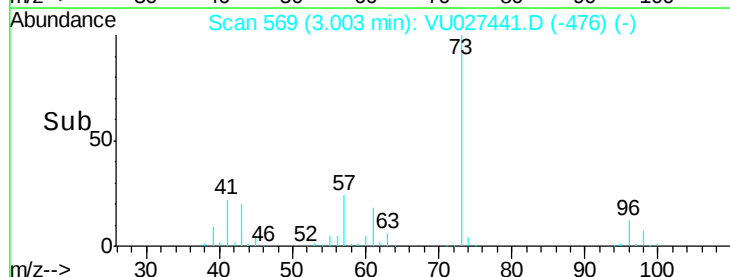
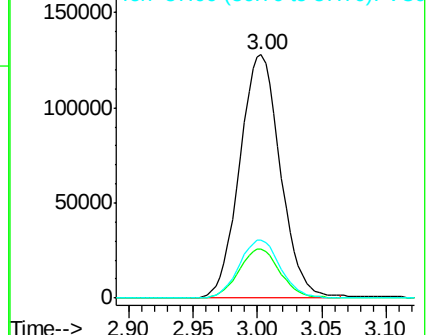
57 24.2 19.4 29.0

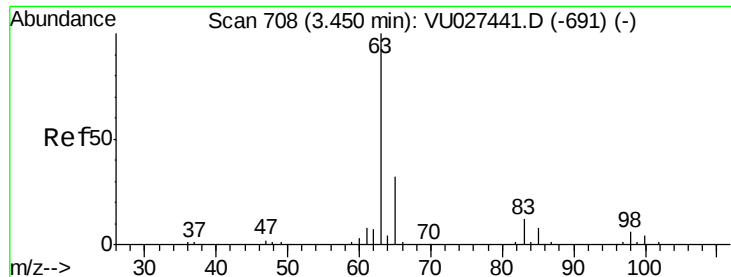


Abundance Ion 73.00 (72.70 to 73.70): VU027441.D (-552) (-)

Ion 43.00 (42.70 to 43.70): VU027441.D (-552) (-)

Ion 57.00 (56.70 to 57.70): VU027441.D (-552) (-)

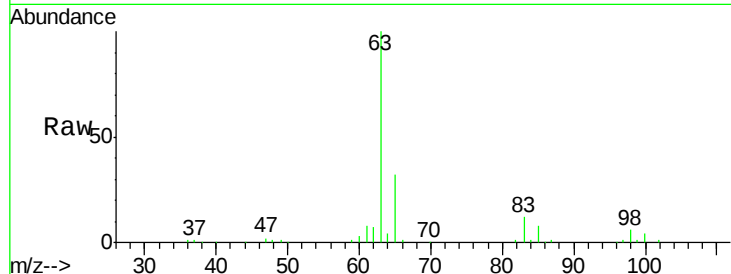




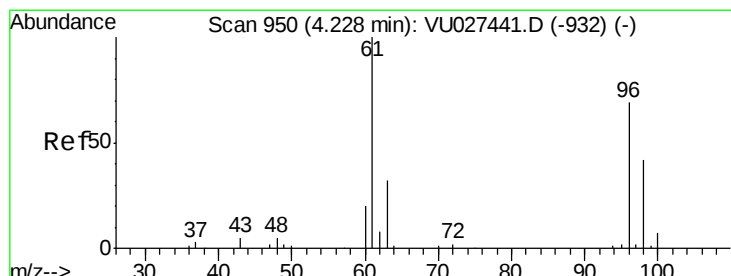
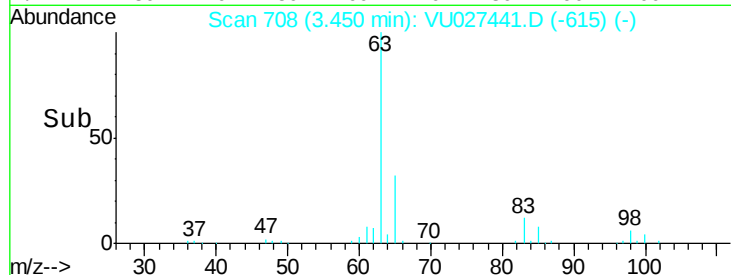
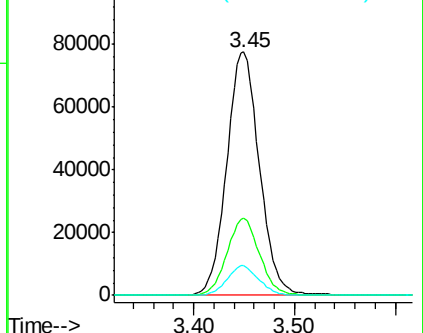
#19
 1,1-Dichloroethane
 Concen: 50.675 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027441.D
 Acq: 05 Oct 2018 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion: 63 Resp: 175315
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.3
 83 12.0 8.4 15.6

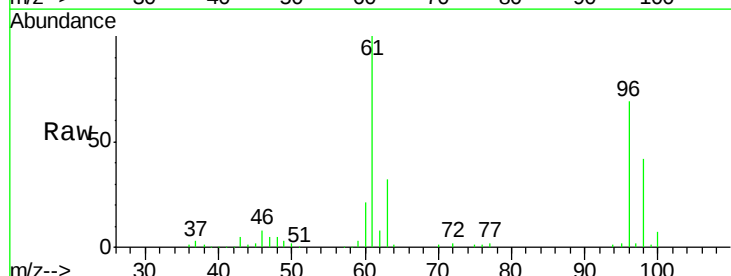


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

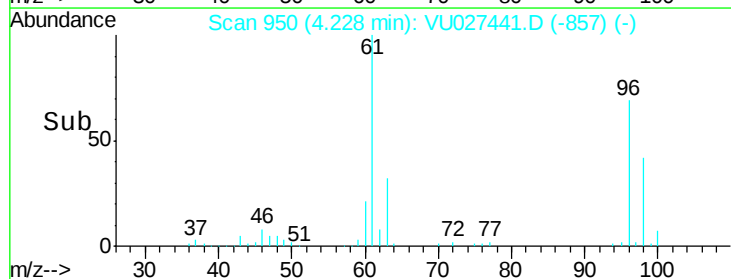
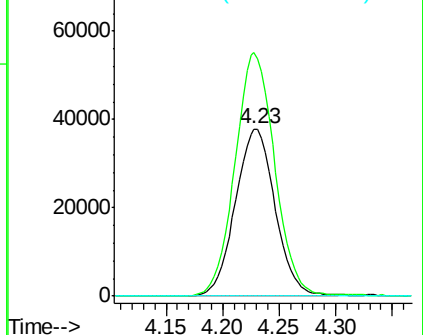


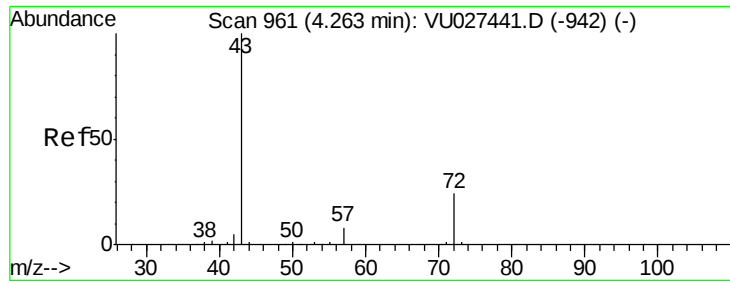
#20
 cis-1,2-Dichloroethene
 Concen: 49.917 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027441.D
 Acq: 05 Oct 2018 09:24

Tgt Ion: 96 Resp: 92776
 Ion Ratio Lower Upper
 96 100
 61 145.7 102.0 189.4
 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: 99.717 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

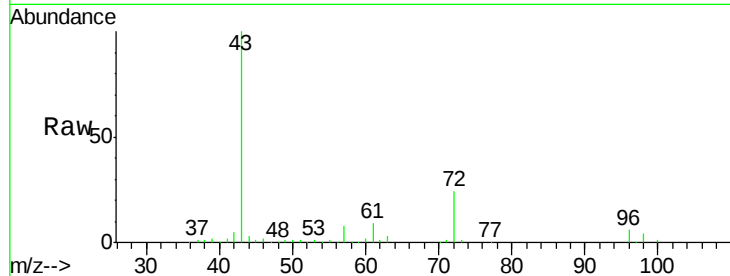
VSTD05053

Tgt Ion: 43 Resp: 174217

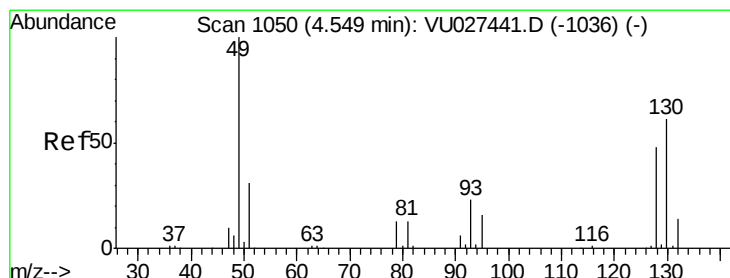
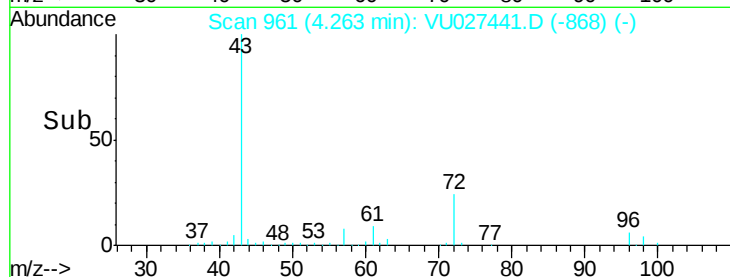
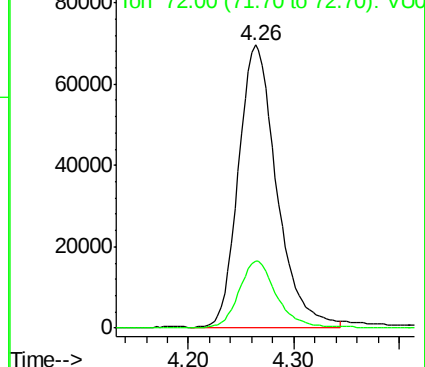
Ion Ratio Lower Upper

43 100

72 23.7 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VU027441.D (-942) (-)



#23

Bromochloromethane

Concen: 51.340 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Tgt Ion: 128 Resp: 43515

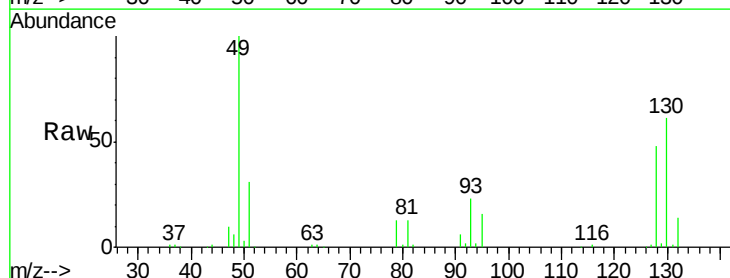
Ion Ratio Lower Upper

128 100

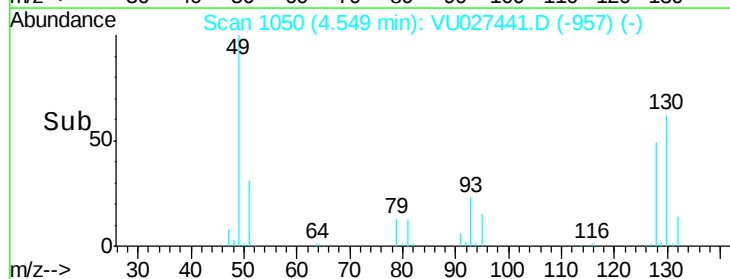
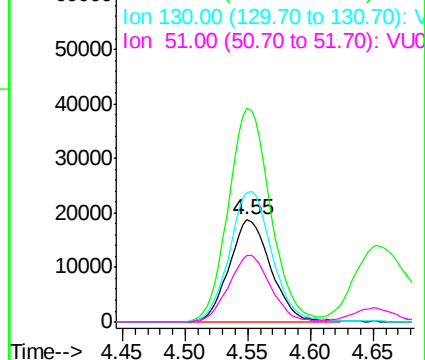
49 209.8 146.9 272.7

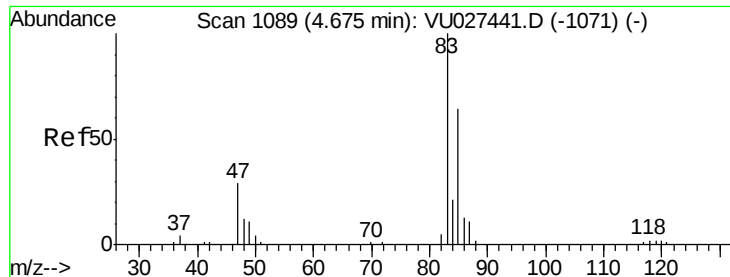
130 127.4 89.2 165.6

51 65.3 52.2 78.4



Abundance Ion 128.00 (127.70 to 128.70): VU027441.D (-1036) (-)

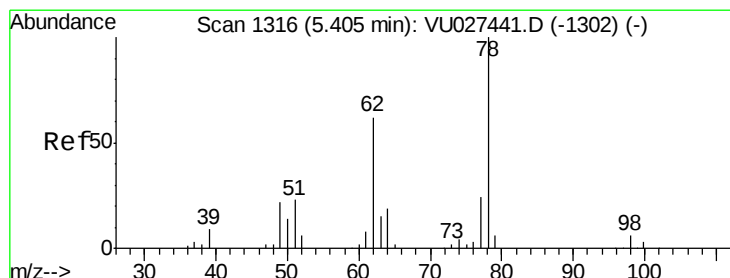
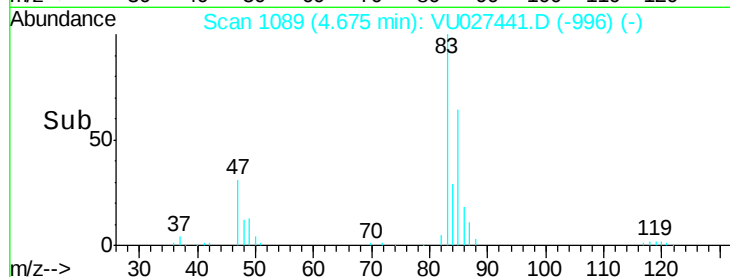
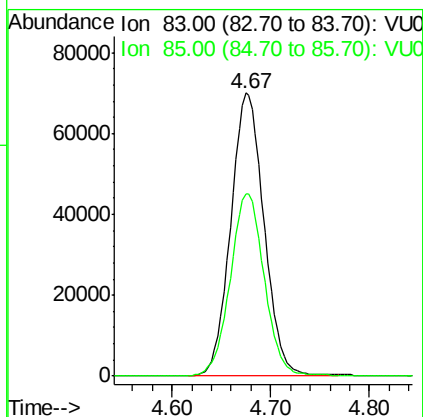
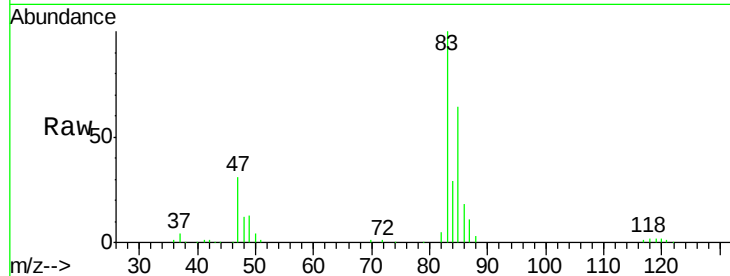




#25
Chloroform
Concen: 49.258 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027441.D
Acq: 05 Oct 2018 09:24

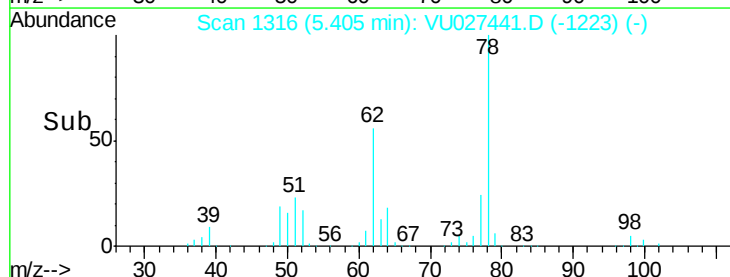
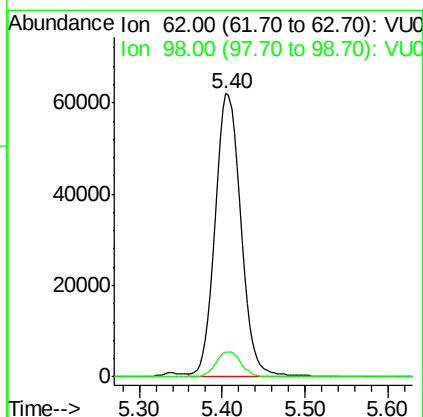
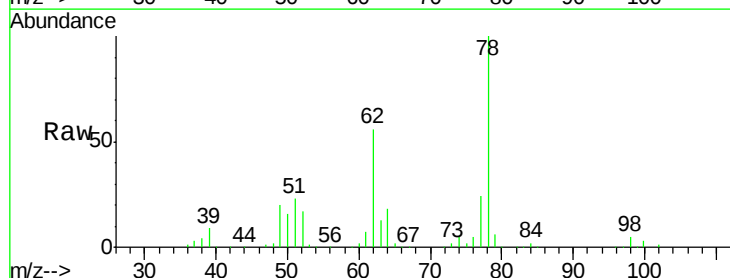
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

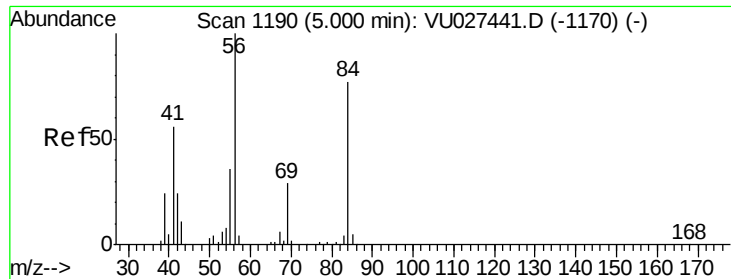
Tgt Ion: 83 Resp: 164620
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 50.266 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027441.D
Acq: 05 Oct 2018 09:24

Tgt Ion: 62 Resp: 134916
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7

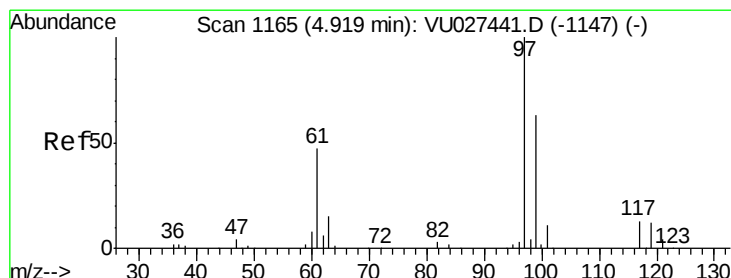
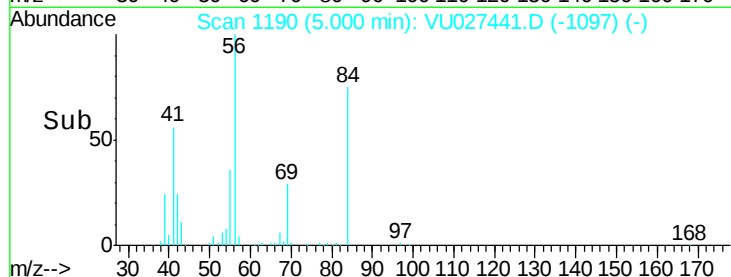
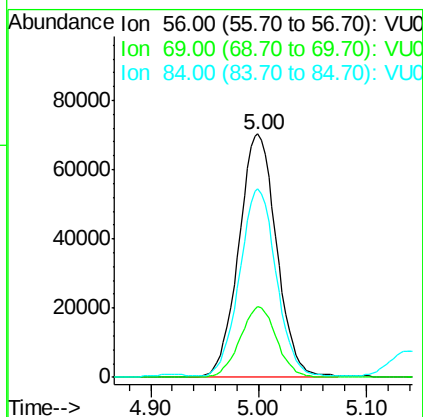
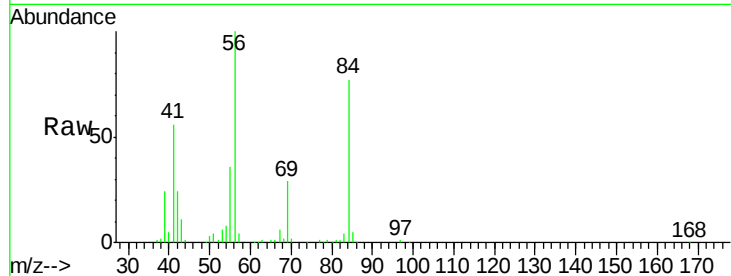




#29
Cyclohexane
Concen: 51.669 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027441.D
Acq: 05 Oct 2018 09:24

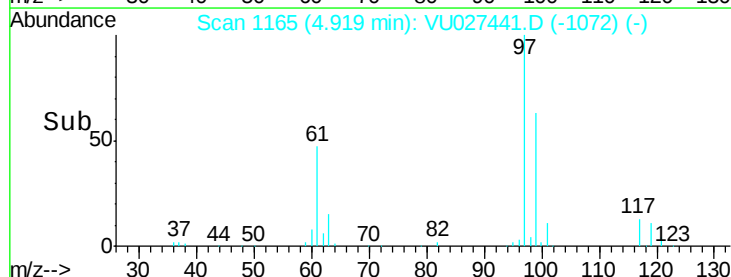
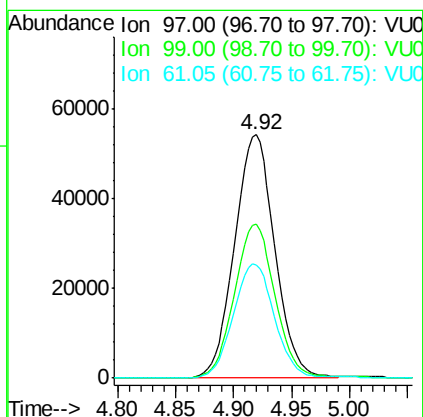
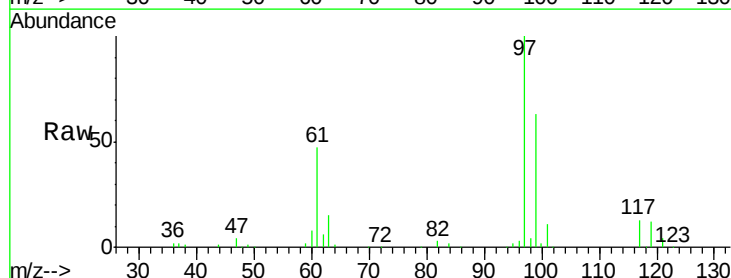
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

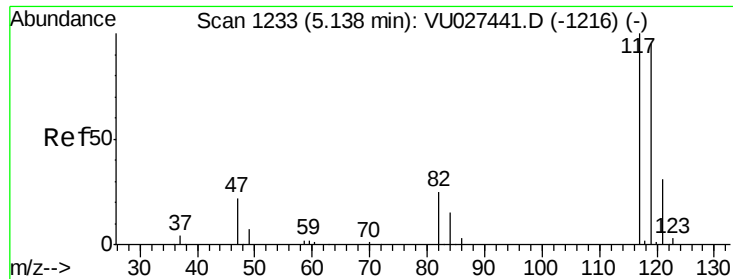
Tgt Ion: 56 Resp: 171190
Ion Ratio Lower Upper
56 100
69 28.1 22.5 33.7
84 76.1 60.9 91.3



#30
1,1,1-Trichloroethane
Concen: 50.115 ug/L
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027441.D
Acq: 05 Oct 2018 09:24

Tgt Ion: 97 Resp: 130974
Ion Ratio Lower Upper
97 100
99 63.6 50.9 76.3
61 47.8 38.2 57.4





#31

Carbon tetrachloride

Concen: 51.125 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

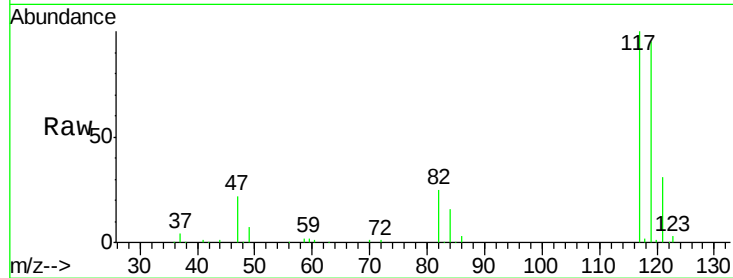
VSTD05053

Tgt Ion:117 Resp: 112383

Ion Ratio Lower Upper

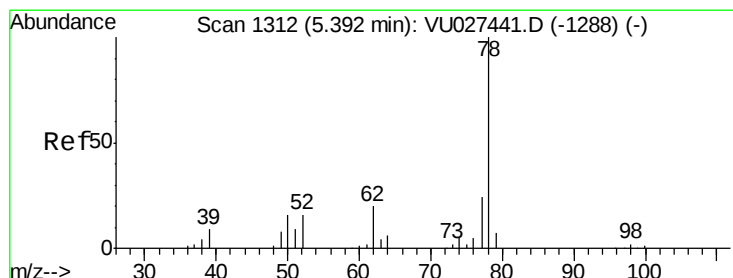
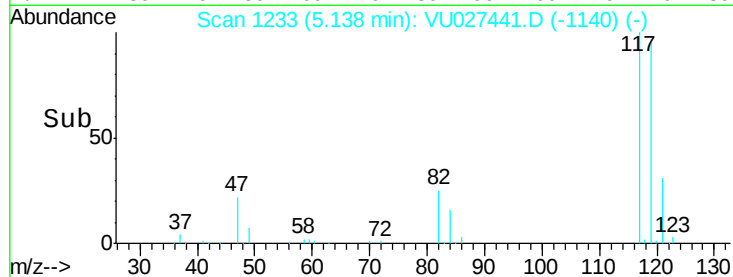
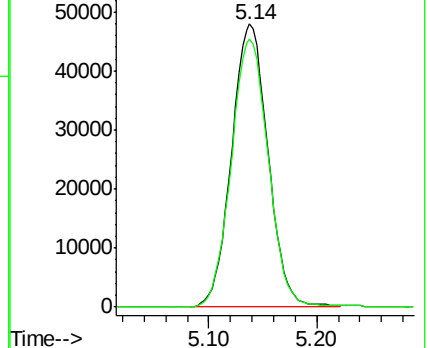
117 100

119 96.0 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.772 ug/L

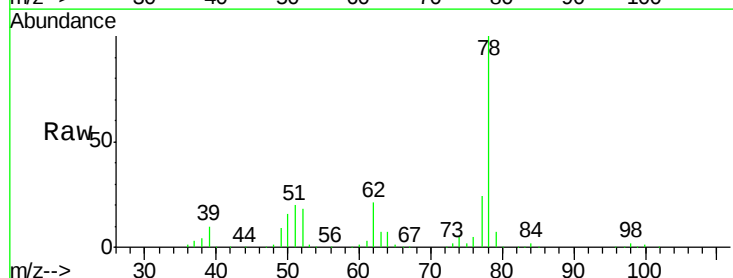
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

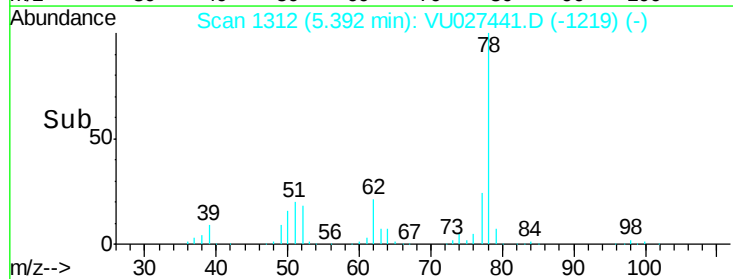
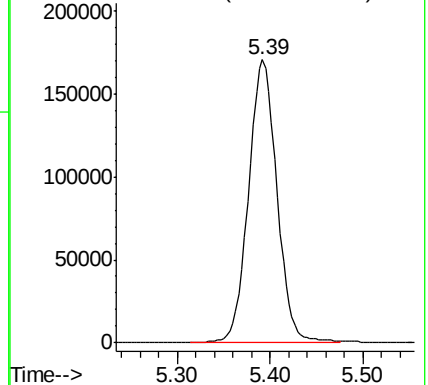
Lab File: VU027441.D

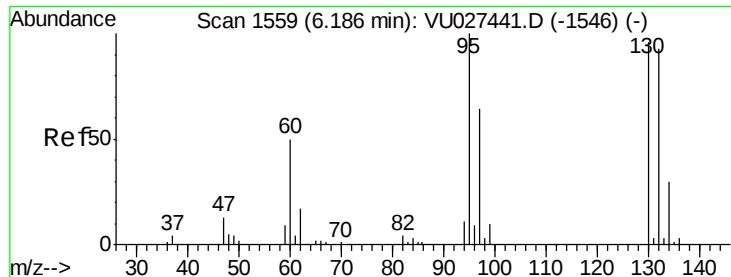
Acq: 05 Oct 2018 09:24

Tgt Ion: 78 Resp: 364439



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.101 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 95 Resp: 86487

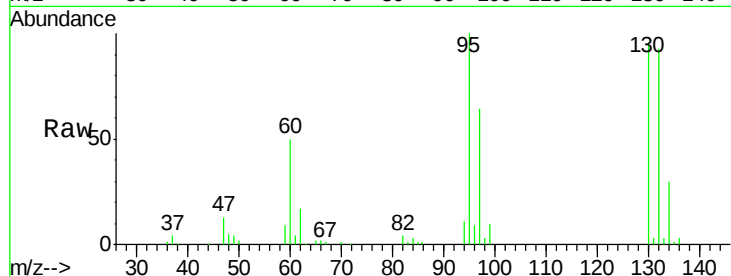
Ion Ratio Lower Upper

95 100

97 64.1 44.9 83.3

132 92.6 64.8 120.4

130 95.9 67.1 124.7

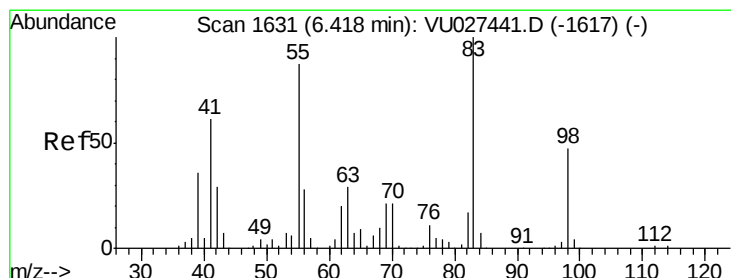
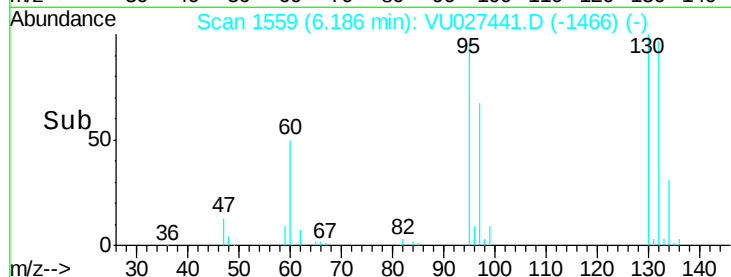
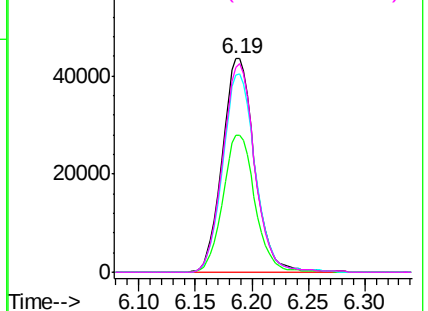


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 51.337 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

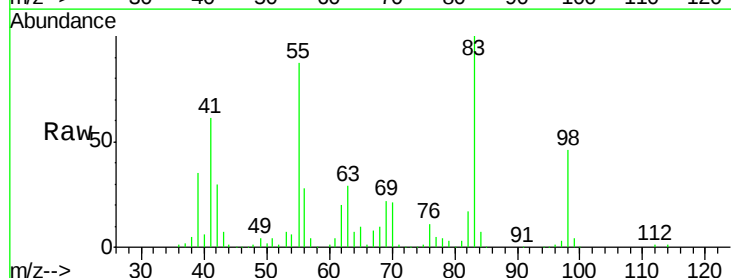
Tgt Ion: 83 Resp: 153980

Ion Ratio Lower Upper

83 100

55 87.4 69.9 104.9

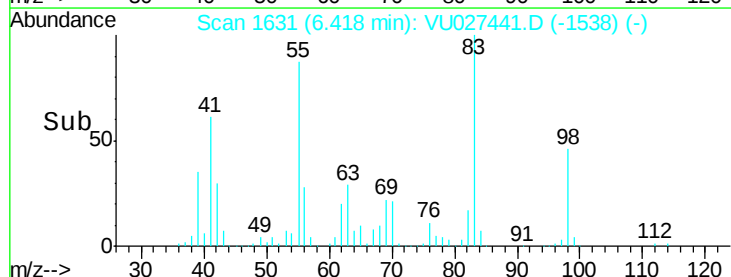
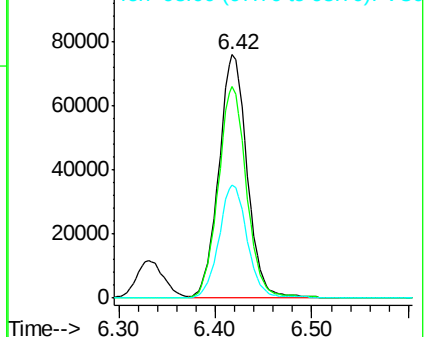
98 46.4 37.1 55.7

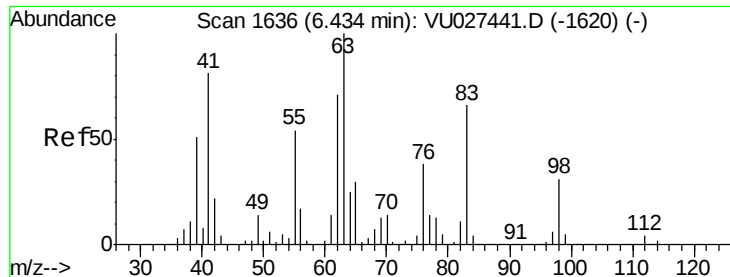


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

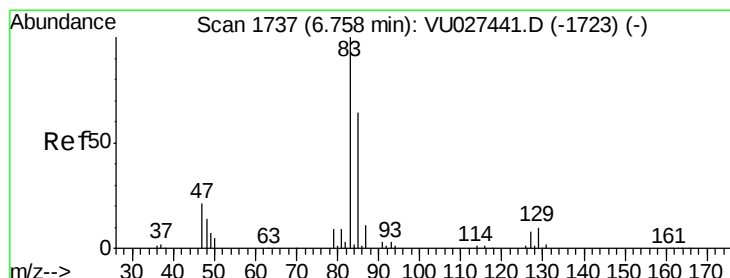
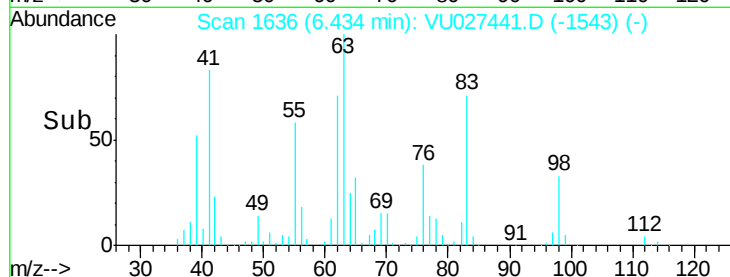
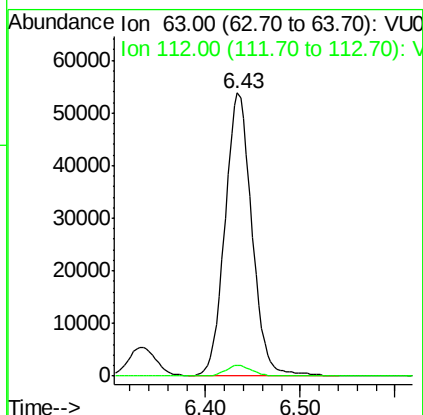
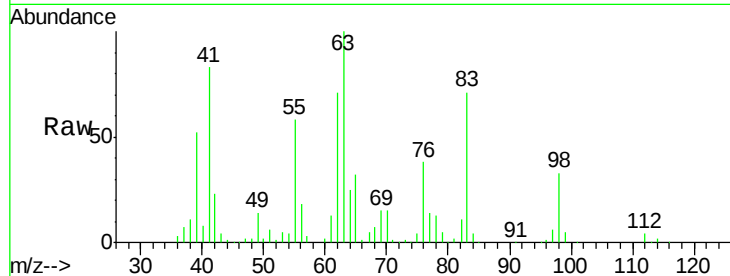




#37
 1,2-Dichloropropane
 Concen: 51.227 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027441.D
 Acq: 05 Oct 2018 09:24

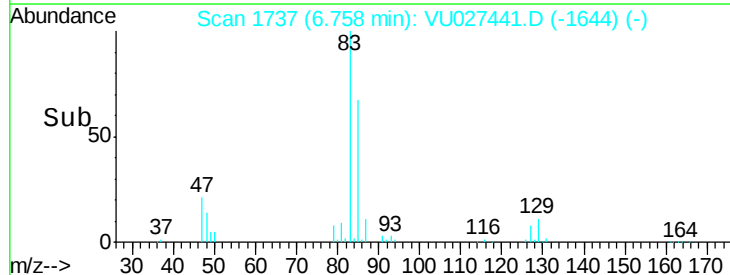
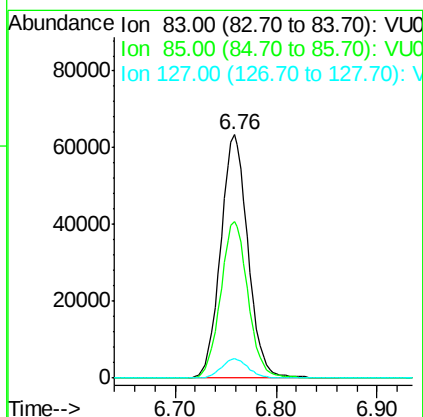
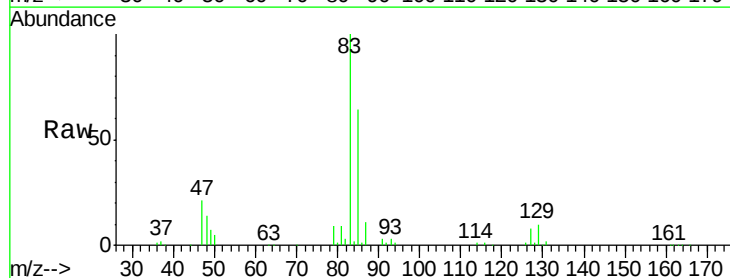
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

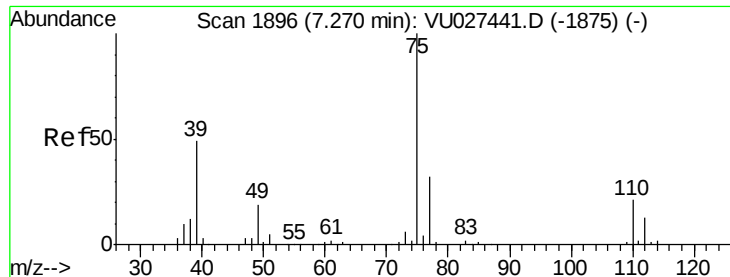
Tgt Ion: 63 Resp: 106534
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 50.681 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027441.D
 Acq: 05 Oct 2018 09:24

Tgt Ion: 83 Resp: 119771
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 7.9 6.3 9.5

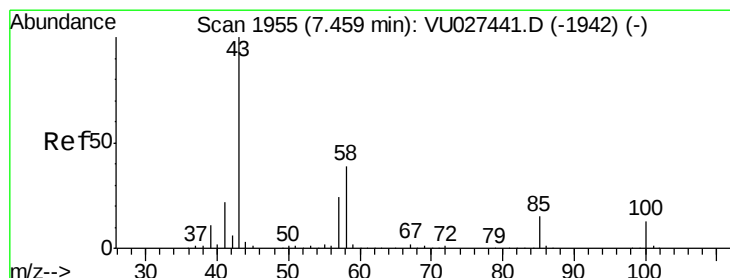
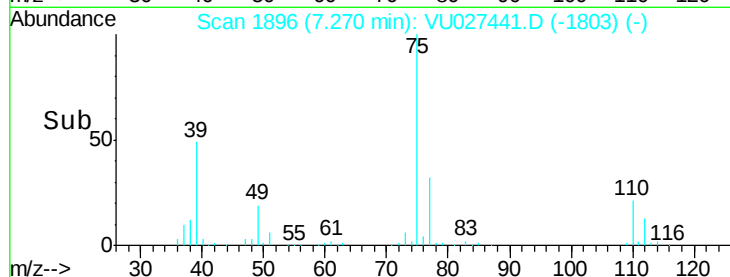
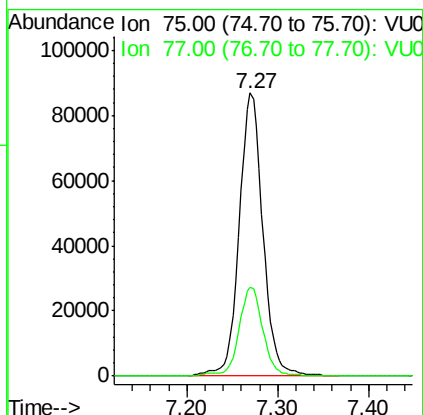
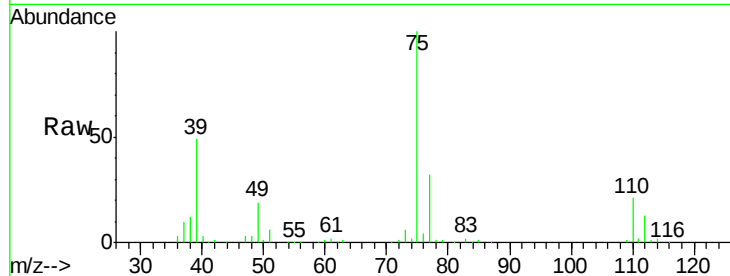




#39
 cis-1,3-Dichloropropene
 Concen: 51.621 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027441.D
 Acq: 05 Oct 2018 09:24

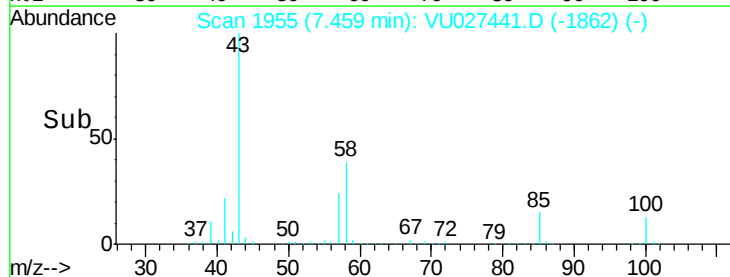
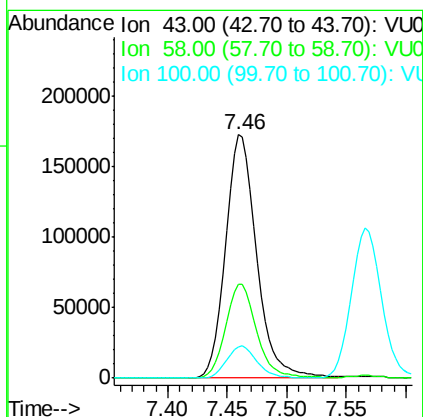
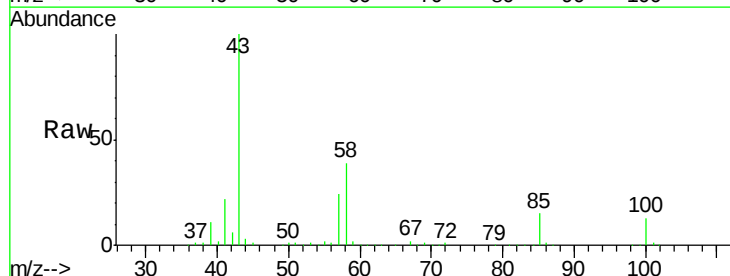
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

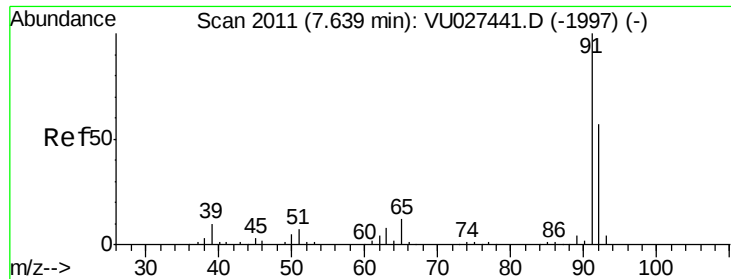
Tgt Ion: 75 Resp: 157743
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 102.671 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU027441.D
 Acq: 05 Oct 2018 09:24

Tgt Ion: 43 Resp: 312669
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.7 46.1
 100 12.8 10.2 15.4





#42

Toluene

Concen: 51.563 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

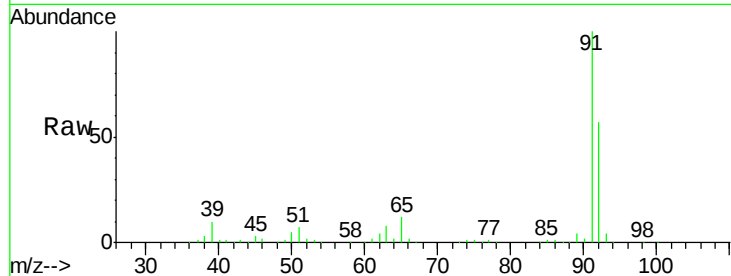
VSTD05053

Tgt Ion: 91 Resp: 371369

Ion Ratio Lower Upper

91 100

92 57.4 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

250000

200000

150000

100000

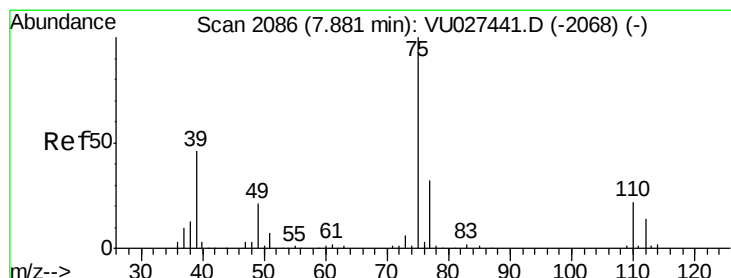
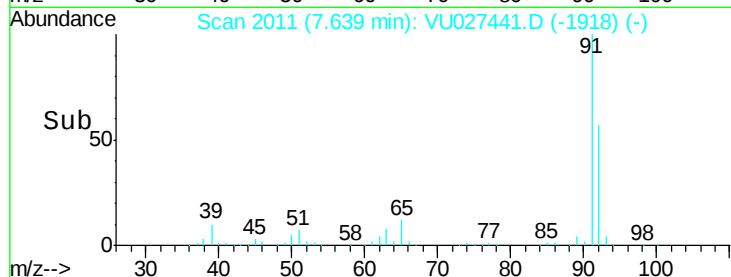
50000

0

7.64

7.60 7.70 7.80

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.913 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027441.D

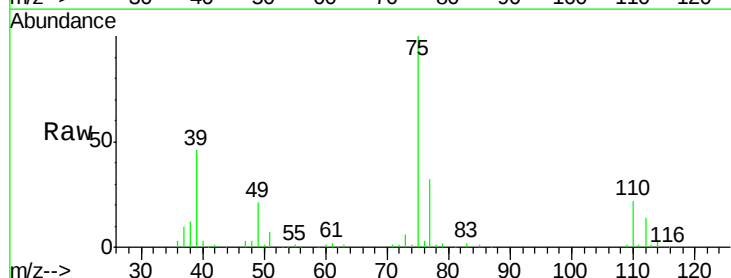
Acq: 05 Oct 2018 09:24

Tgt Ion: 75 Resp: 144414

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

100000

80000

60000

40000

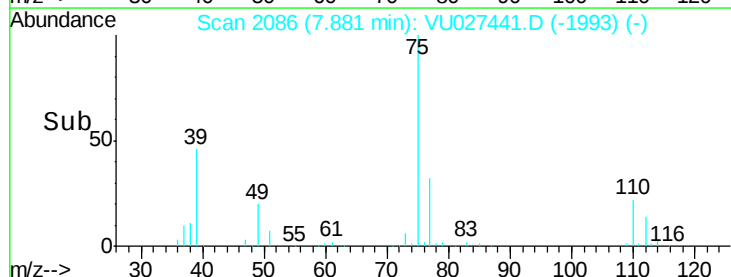
20000

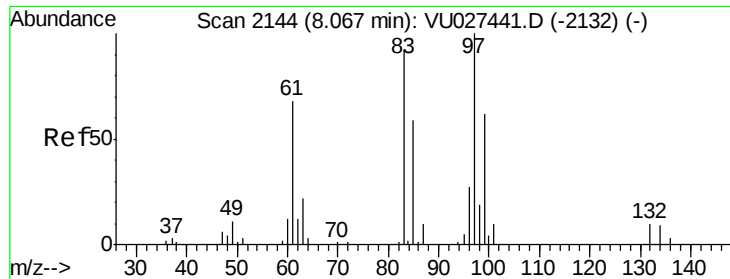
0

7.88

7.80 7.90 8.00

Time-->

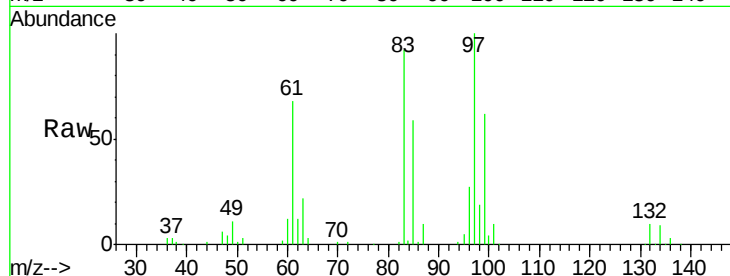




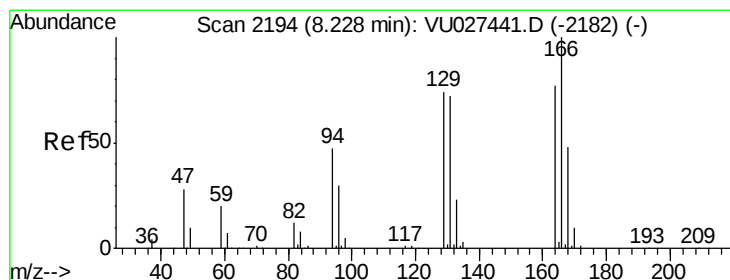
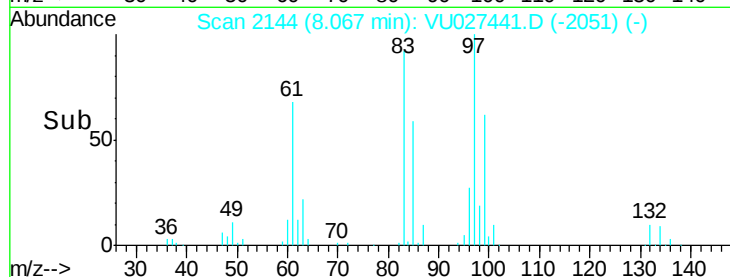
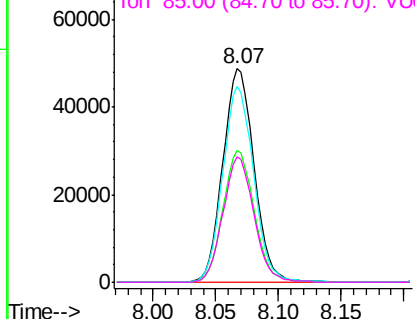
#45
 1,1,2-Trichloroethane
 Concen: 50.489 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027441.D
 Acq: 05 Oct 2018 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion:	97	Resp:	84287
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.2	80.2
83	91.9	64.3	119.5
85	58.6	41.0	76.2

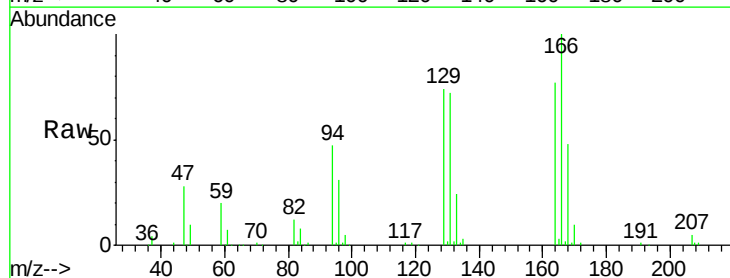


Abundance Ion 97.00 (96.70 to 97.70): VU027441.D (-2132) (-)
 Ion 99.00 (98.70 to 99.70): VU027441.D (-2132) (-)
 Ion 83.00 (82.70 to 83.70): VU027441.D (-2132) (-)
 Ion 85.00 (84.70 to 85.70): VU027441.D (-2132) (-)

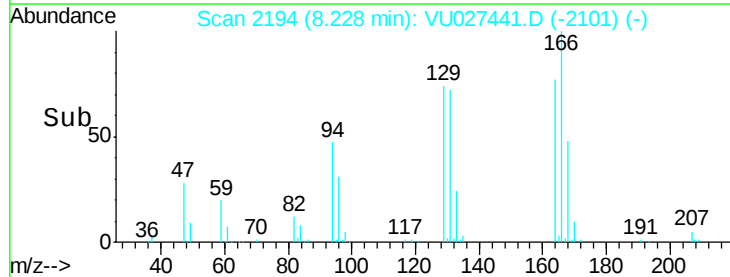
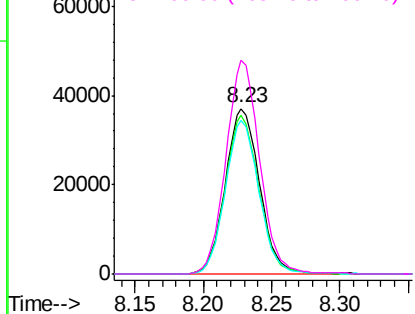


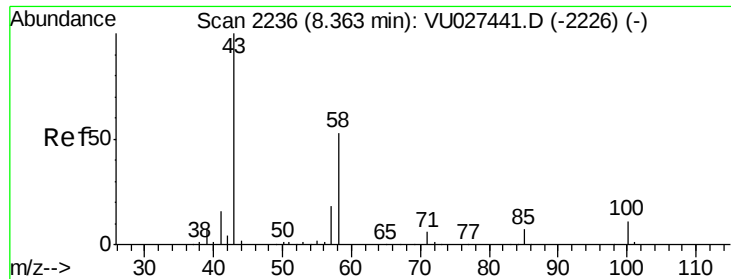
#46
 Tetrachloroethene
 Concen: 50.393 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027441.D
 Acq: 05 Oct 2018 09:24

Tgt Ion:	164	Resp:	64652
Ion	Ratio	Lower	Upper
164	100		
129	95.7	67.0	124.4
131	93.0	65.1	120.9
166	129.1	90.4	167.8



Abundance Ion 164.00 (163.70 to 164.70): VU027441.D (-2182) (-)
 Ion 129.00 (128.70 to 129.70): VU027441.D (-2182) (-)
 Ion 131.00 (130.70 to 131.70): VU027441.D (-2182) (-)
 Ion 166.00 (165.70 to 166.70): VU027441.D (-2182) (-)

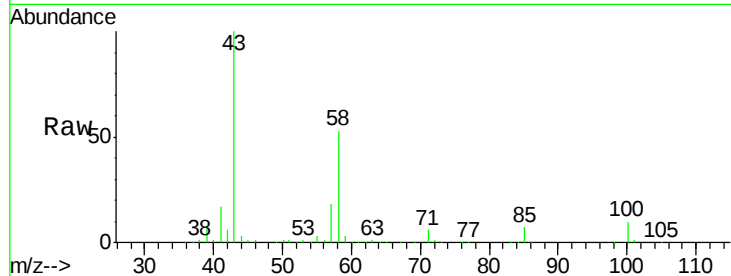




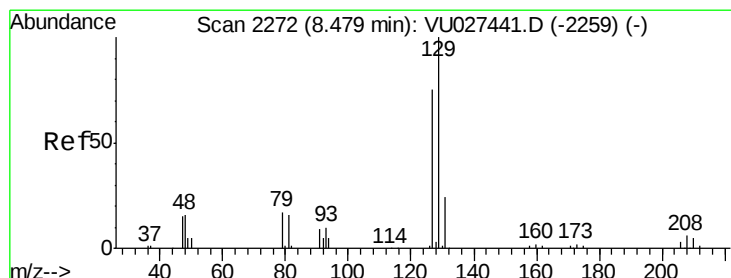
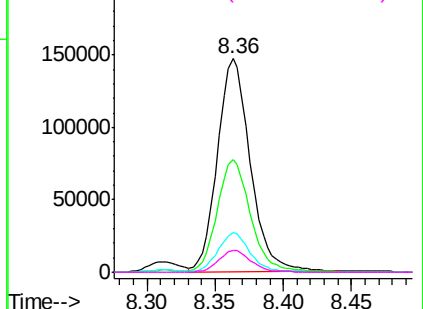
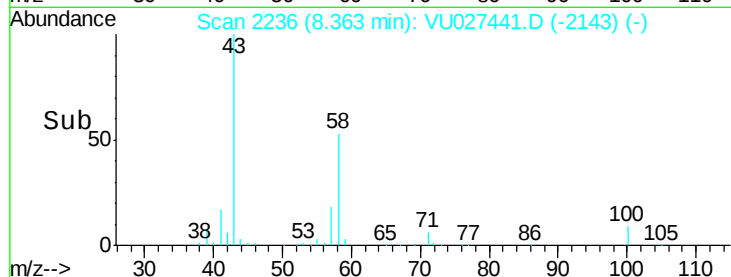
#48
2-Hexanone
Concen: 102.276 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027441.D
Acq: 05 Oct 2018 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion: 43 Resp: 245940
Ion Ratio Lower Upper
43 100
58 53.4 42.7 64.1
57 18.1 14.5 21.7
100 10.2 8.2 12.2

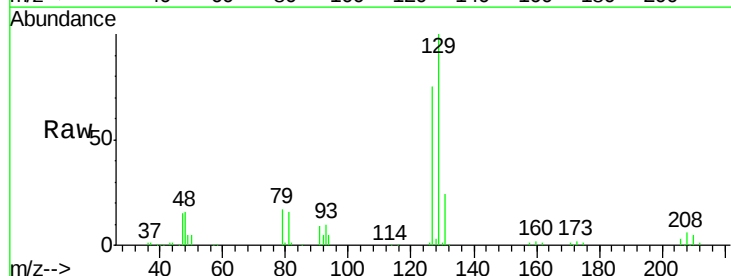


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

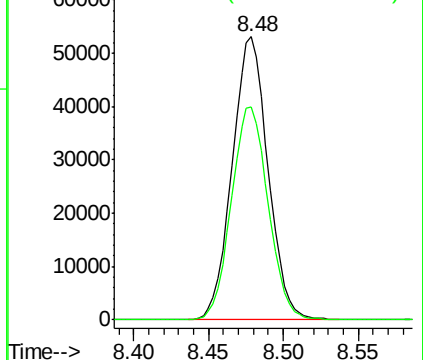
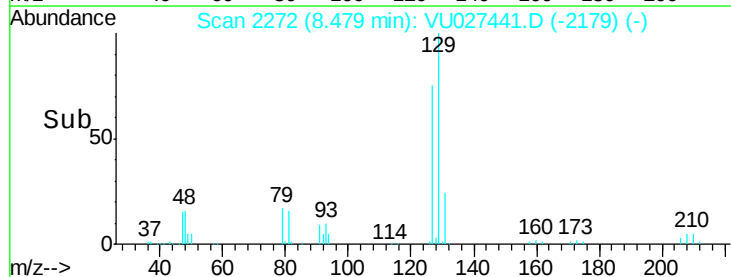


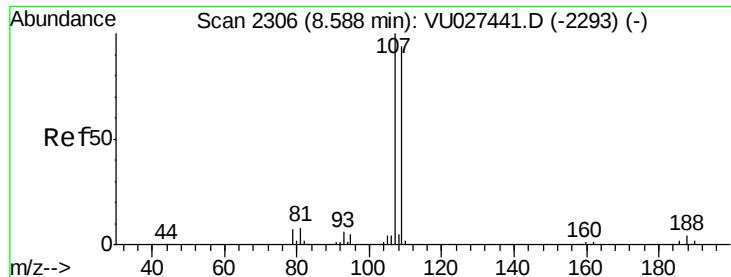
#49
Dibromochloromethane
Concen: 50.857 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027441.D
Acq: 05 Oct 2018 09:24

Tgt Ion: 129 Resp: 88528
Ion Ratio Lower Upper
129 100
127 75.3 52.7 97.9



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

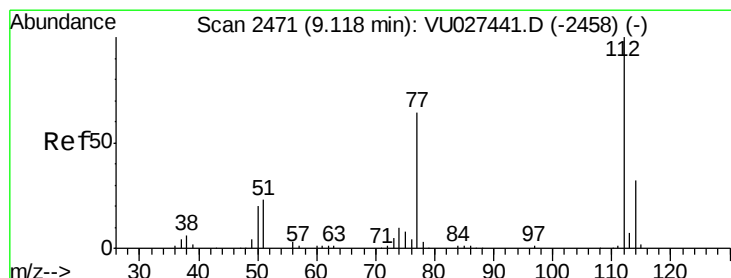
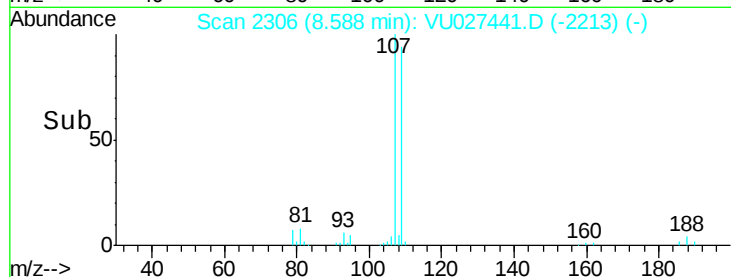
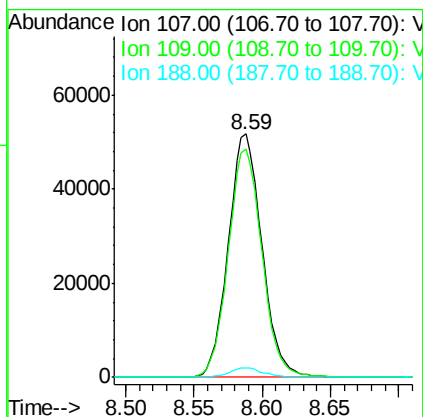
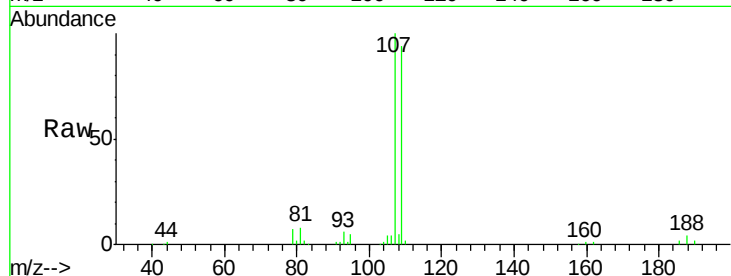




#50
1,2-Dibromoethane
Concen: 50.092 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027441.D
Acq: 05 Oct 2018 09:24

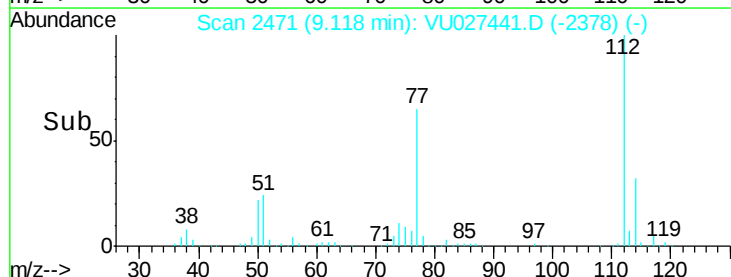
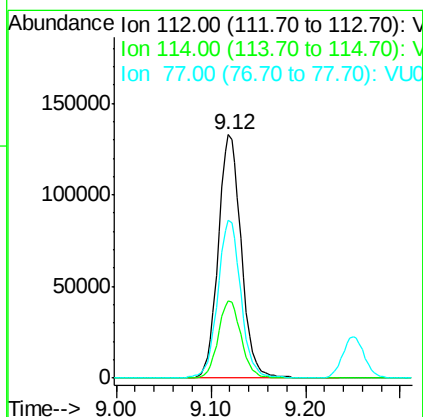
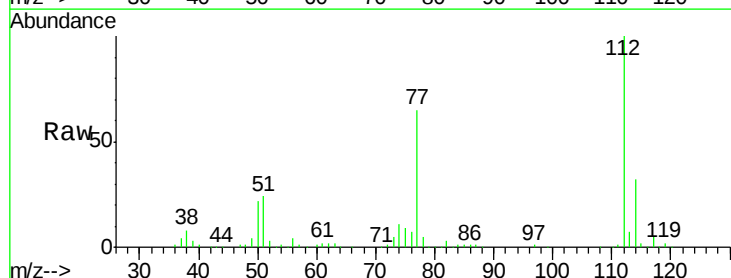
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

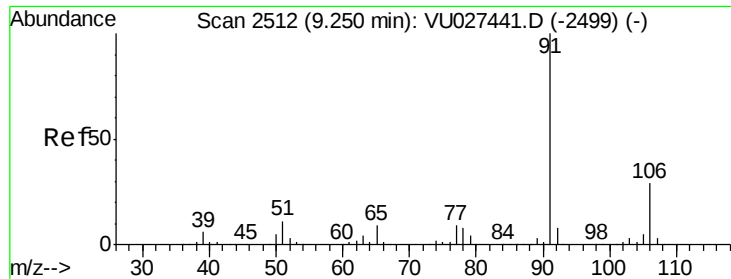
Tgt Ion:107 Resp: 88719
Ion Ratio Lower Upper
107 100
109 93.5 65.5 121.6
188 3.8 3.0 4.6



#51
Chlorobenzene
Concen: 49.179 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027441.D
Acq: 05 Oct 2018 09:24

Tgt Ion:112 Resp: 223925
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 64.6 51.7 77.5





#52

Ethylbenzene

Concen: 50.694 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

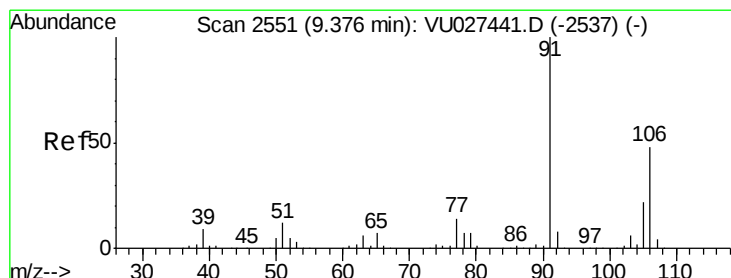
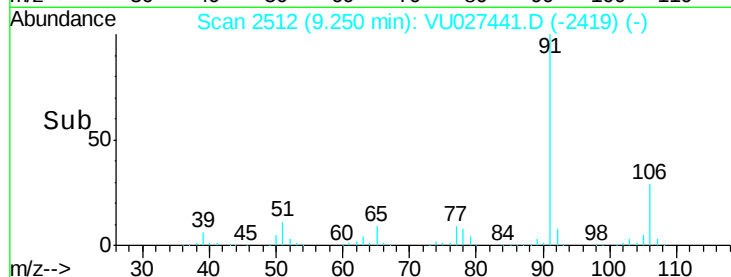
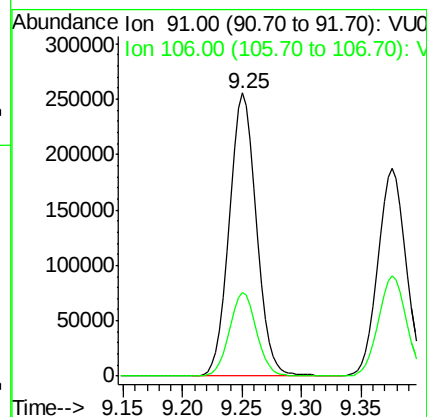
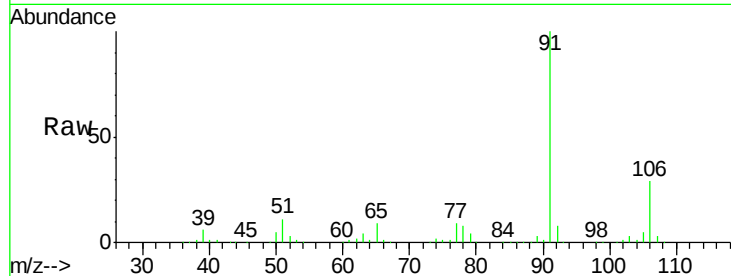
VSTD05053

Tgt Ion: 91 Resp: 405398

Ion Ratio Lower Upper

91 100

106 29.5 20.6 38.4



#53

m,p-Xylene

Concen: 50.579 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027441.D

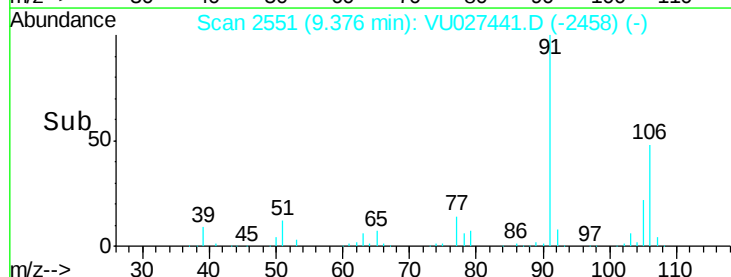
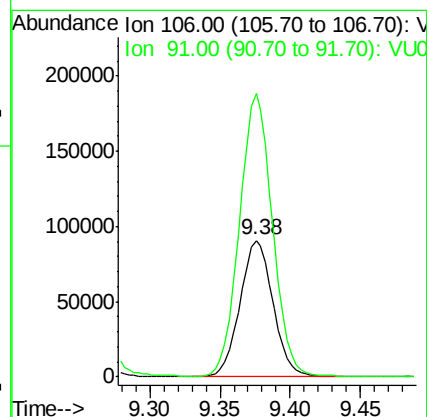
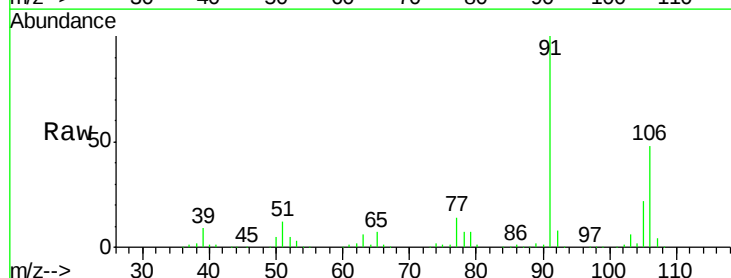
Acq: 05 Oct 2018 09:24

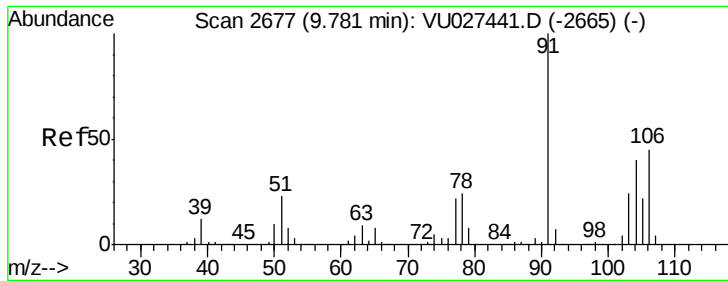
Tgt Ion: 106 Resp: 148044

Ion Ratio Lower Upper

106 100

91 207.2 145.0 269.4

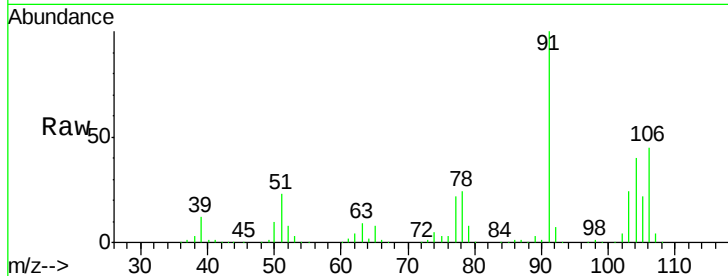




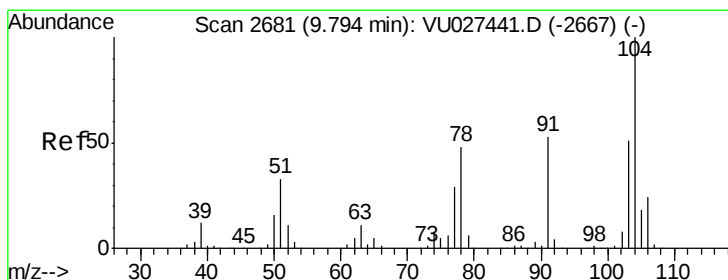
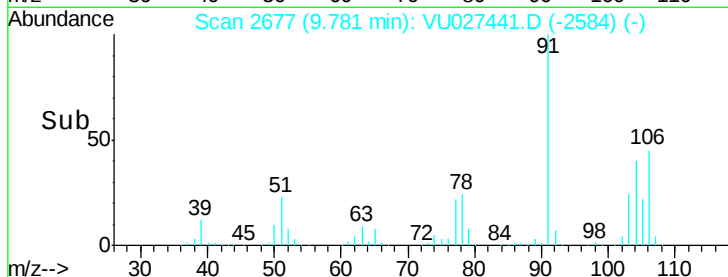
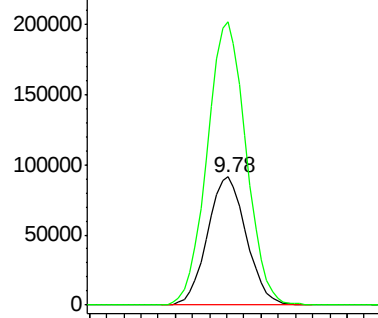
#54
o-xylene
Concen: 50.908 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027441.D
Acq: 05 Oct 2018 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion:106 Resp: 143548
Ion Ratio Lower Upper
106 100
91 221.1 154.8 287.4

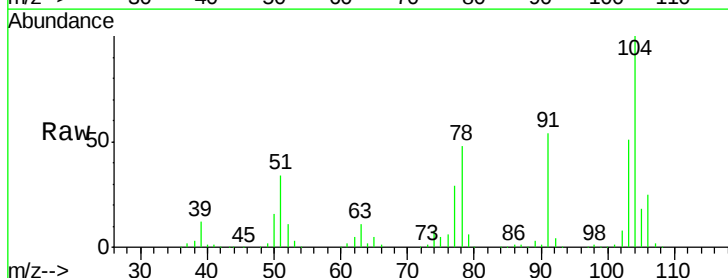


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

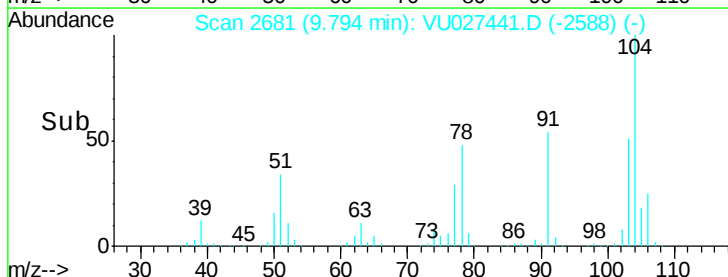
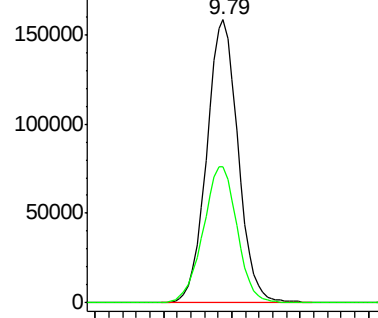


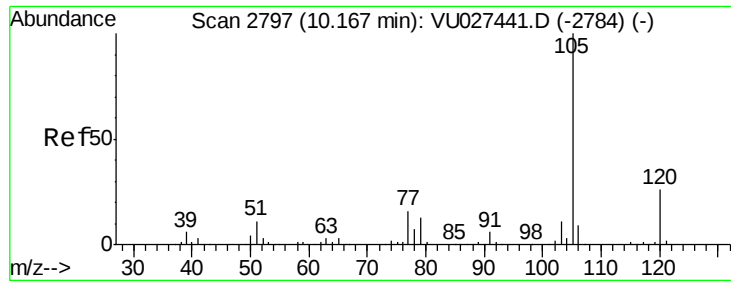
#55
Styrene
Concen: 52.271 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027441.D
Acq: 05 Oct 2018 09:24

Tgt Ion:104 Resp: 252400
Ion Ratio Lower Upper
104 100
78 48.0 33.6 62.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.249 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

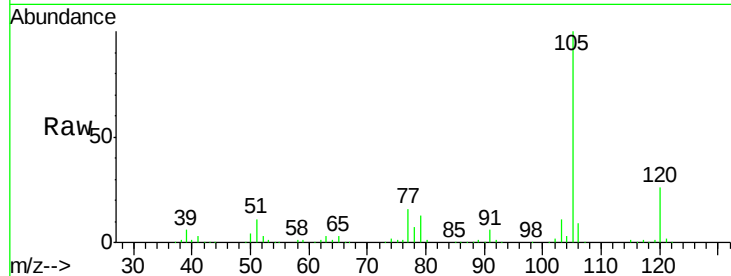
Tgt Ion: 105 Resp: 386101

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

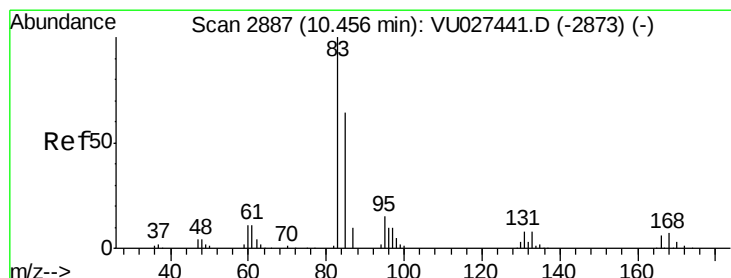
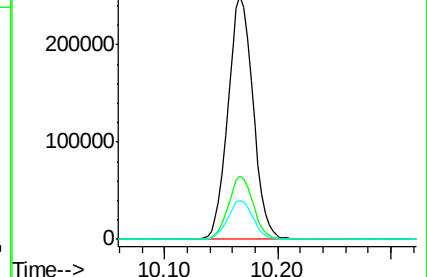
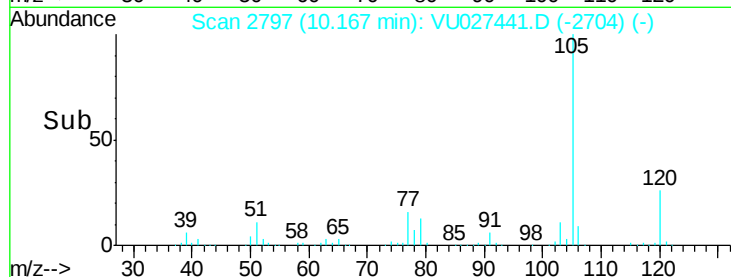
77 16.2 13.0 19.4



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: 50.841 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

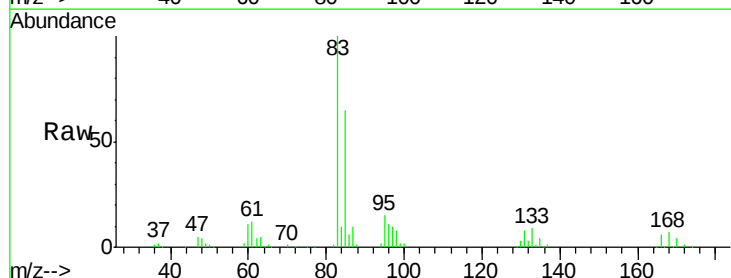
Tgt Ion: 83 Resp: 148711

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

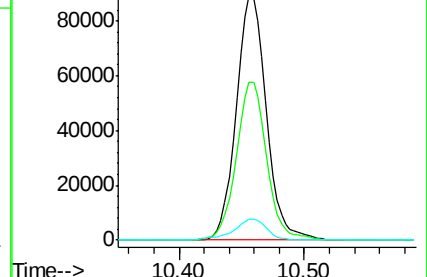
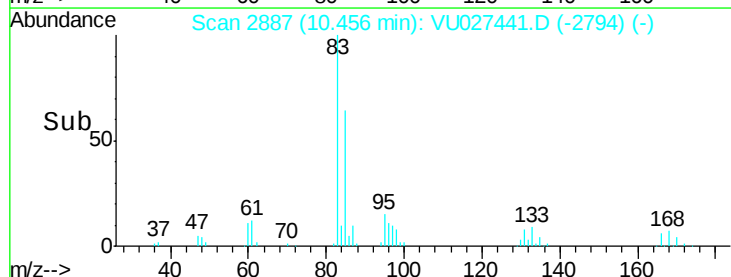
131 8.4 6.7 10.1

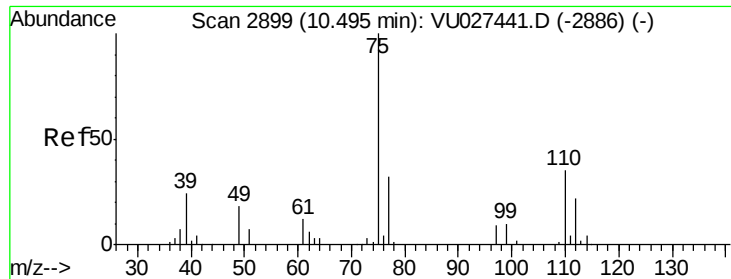


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

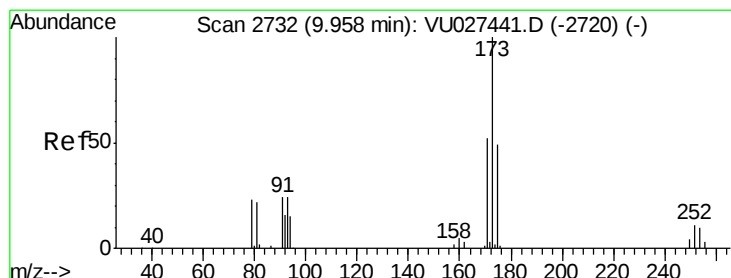
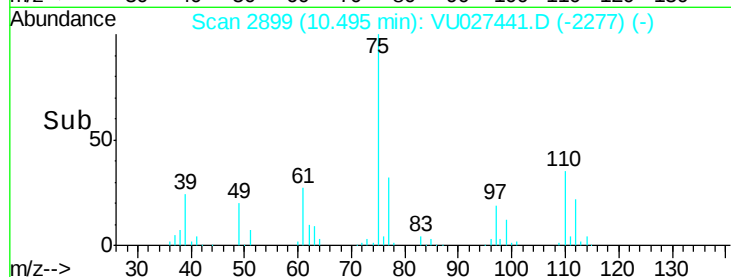
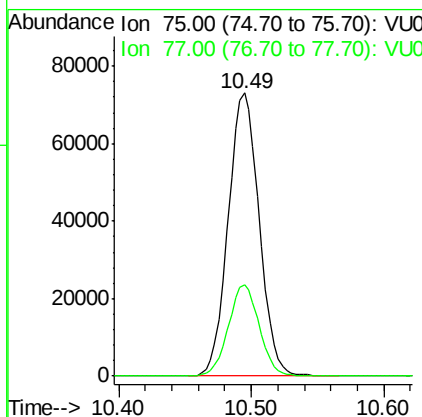
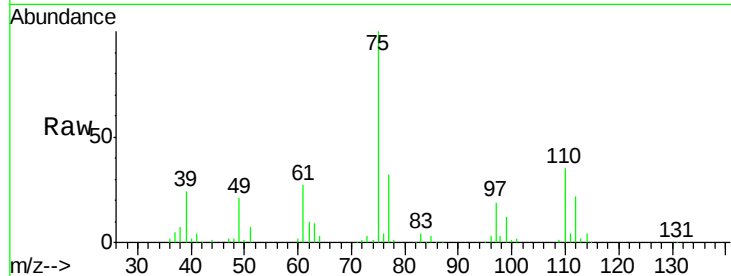




#59
 1,2,3-Trichloropropane
 Concen: 50.410 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027441.D
 Acq: 05 Oct 2018 09:24

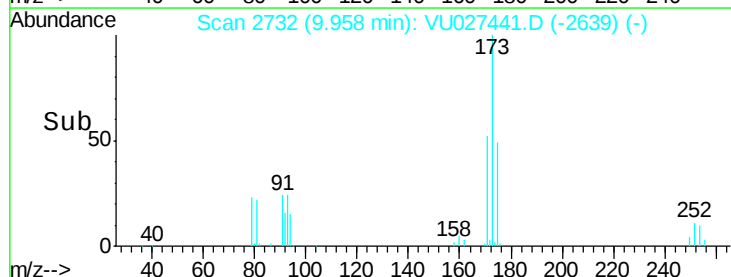
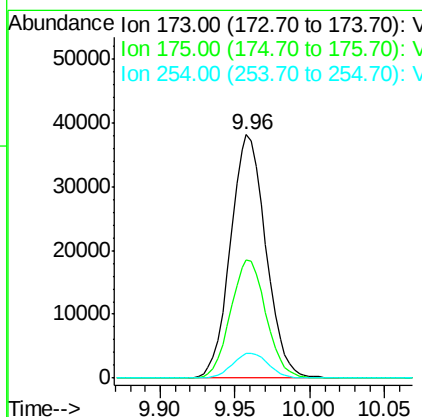
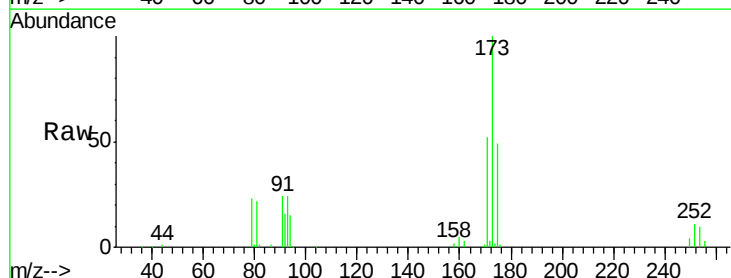
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

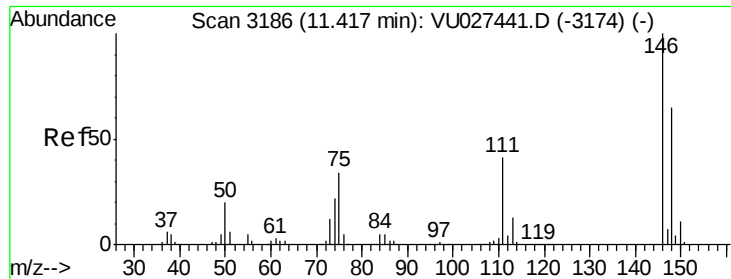
Tgt Ion: 75 Resp: 118689
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5



#61
 Bromoform
 Concen: 50.258 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VU027441.D
 Acq: 05 Oct 2018 09:24

Tgt Ion: 173 Resp: 62782
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.4
 254 10.4 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 49.443 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

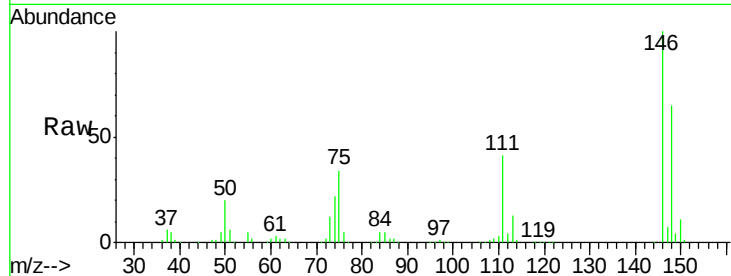
Tgt Ion:146 Resp: 169176

Ion Ratio Lower Upper

146 100

111 41.4 29.0 53.8

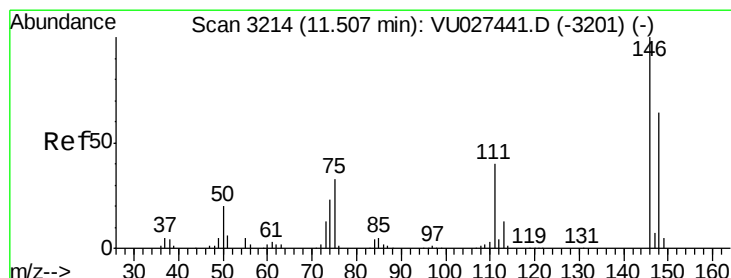
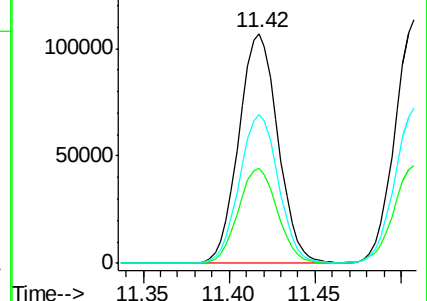
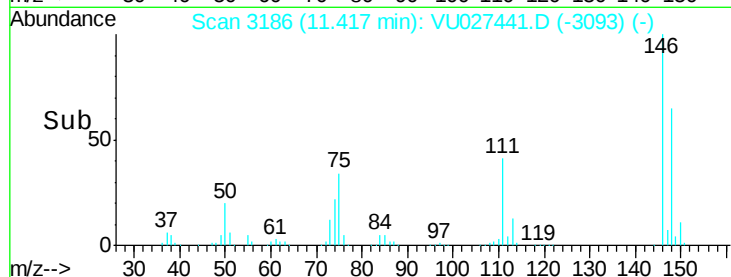
148 64.8 45.4 84.2



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: 48.693 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

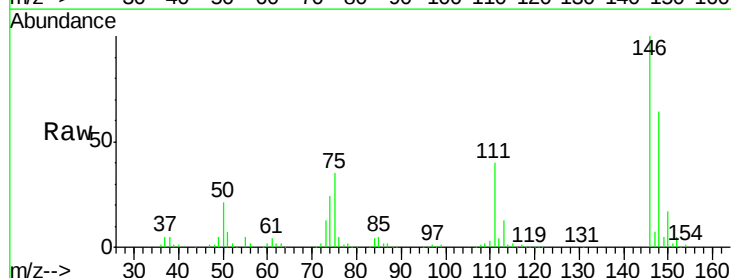
Tgt Ion:146 Resp: 173792

Ion Ratio Lower Upper

146 100

111 40.1 28.1 52.1

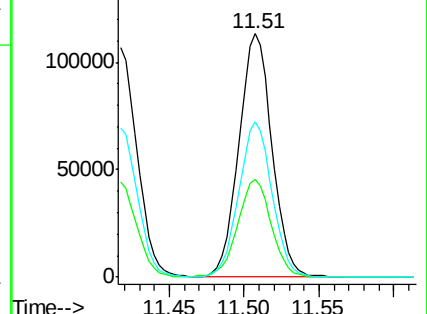
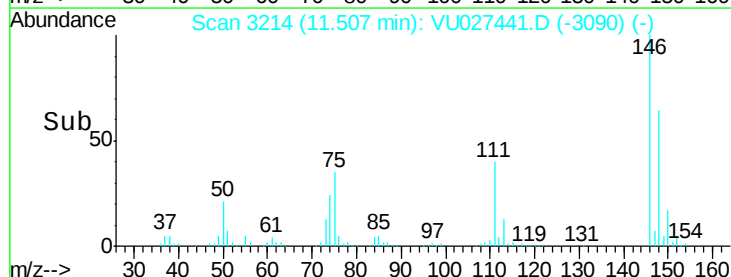
148 63.5 44.4 82.5

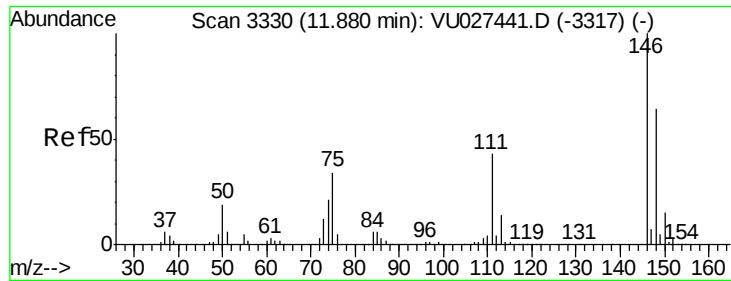


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.690 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

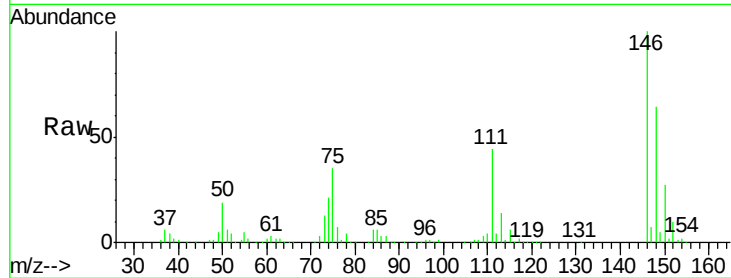
Tgt Ion:146 Resp: 169595

Ion Ratio Lower Upper

146 100

111 43.6 34.9 52.3

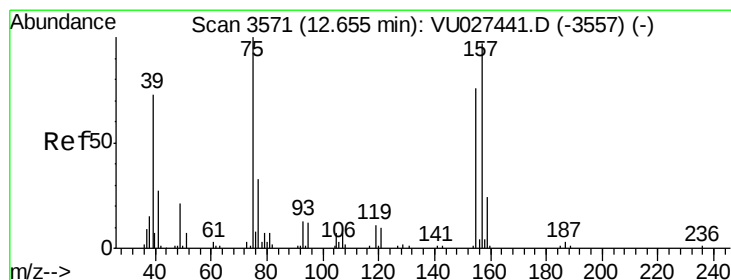
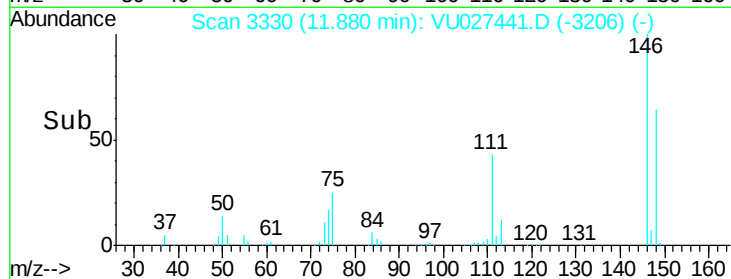
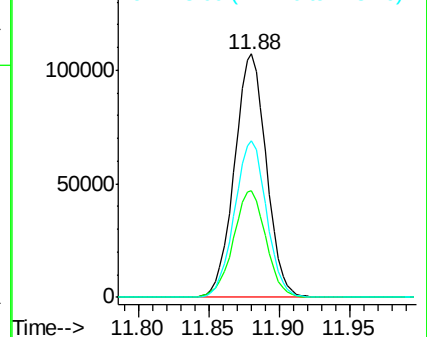
148 64.5 51.6 77.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 49.605 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

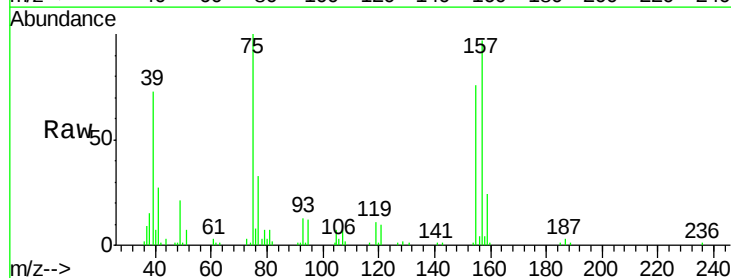
Tgt Ion: 75 Resp: 32030

Ion Ratio Lower Upper

75 100

155 76.3 61.0 91.6

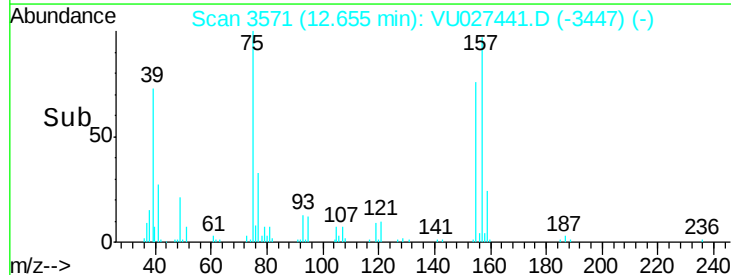
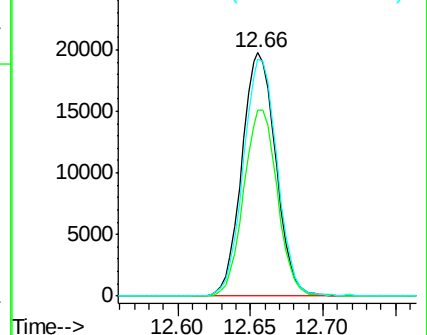
157 97.3 77.8 116.8

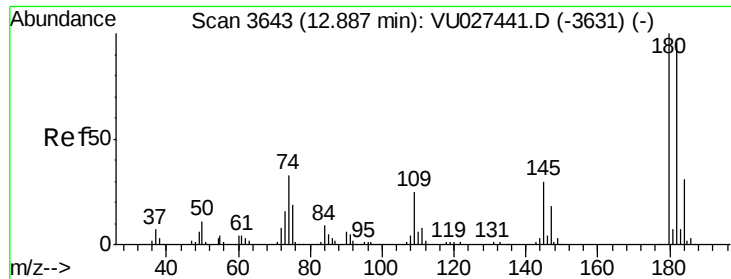


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

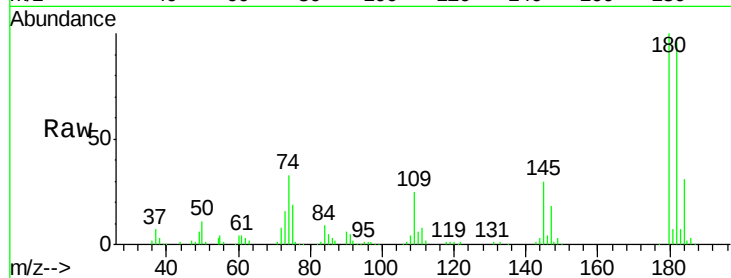




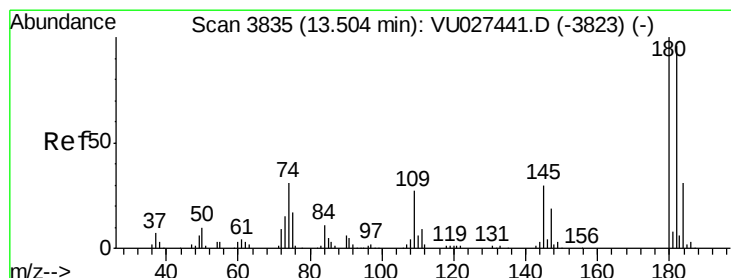
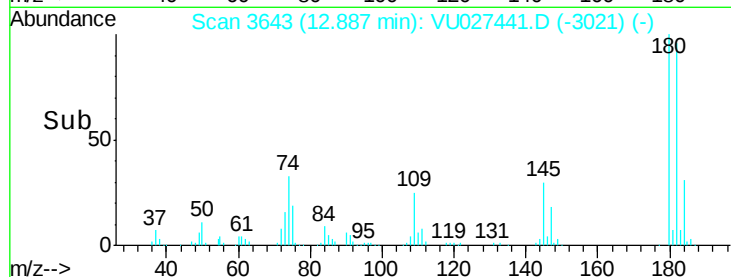
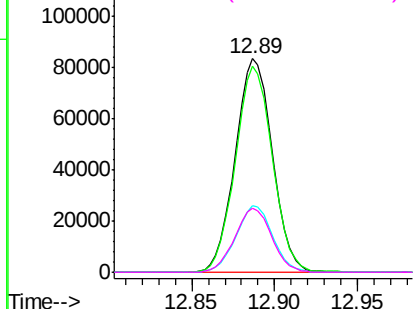
#67
 1,3,5-Trichlorobenzene
 Concen: 49.154 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027441.D
 Acq: 05 Oct 2018 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion:180 Resp: 129944
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.7 115.1
 184 30.6 24.5 36.7
 145 29.8 23.8 35.8

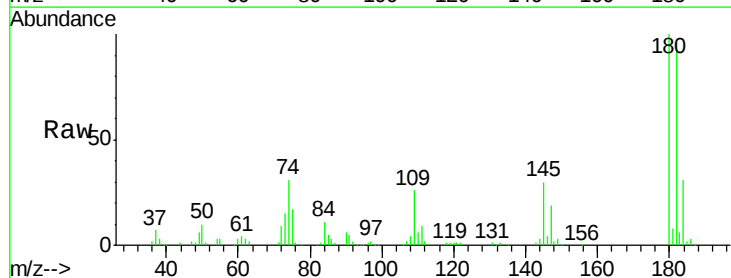


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

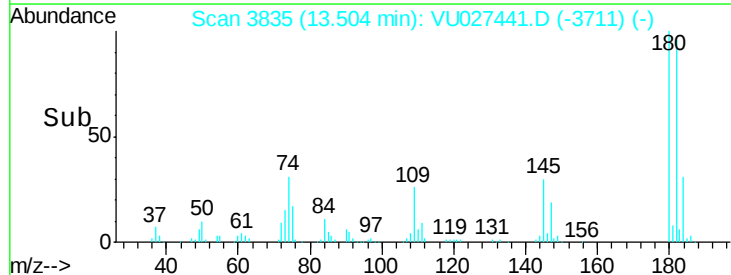
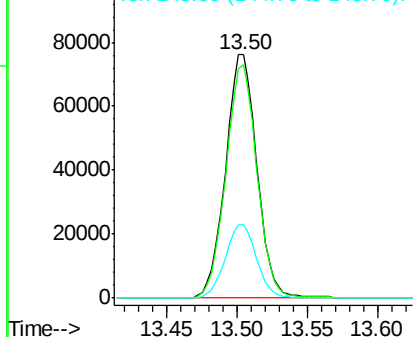


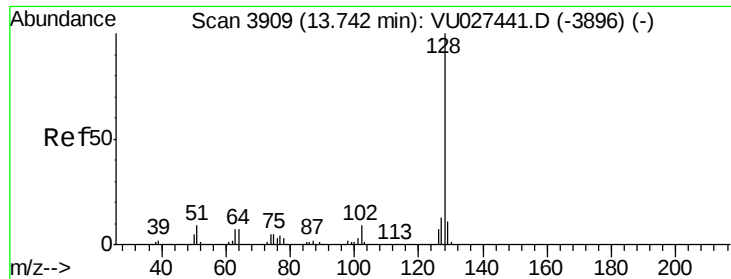
#68
 1,2,4-trichlorobenzene
 Concen: 48.812 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027441.D
 Acq: 05 Oct 2018 09:24

Tgt Ion:180 Resp: 118668
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 145 30.2 24.2 36.2



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





#69

Naphthalene

Concen: 52.043 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

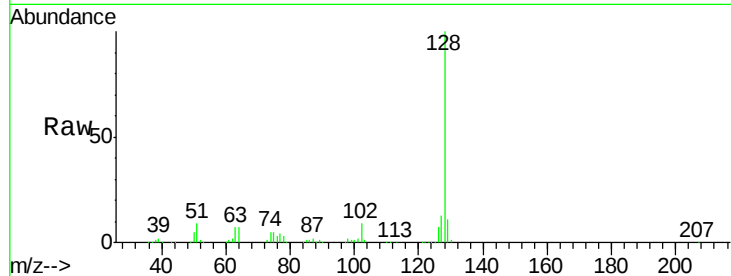
Tgt Ion:128 Resp: 390135

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

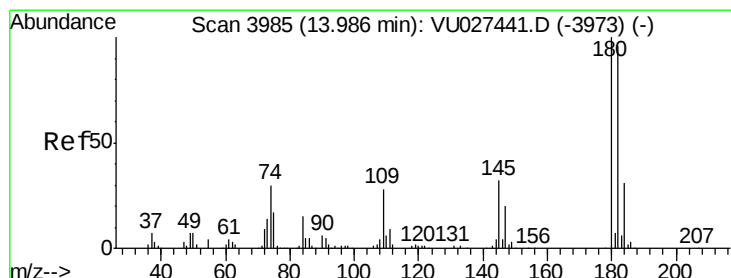
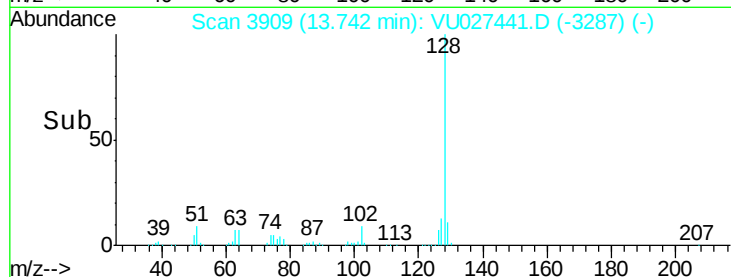
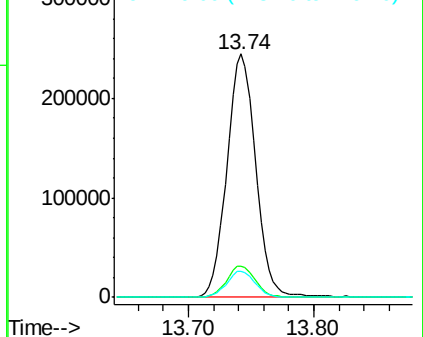
129 10.7 8.6 12.8



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: 49.330 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027441.D

Acq: 05 Oct 2018 09:24

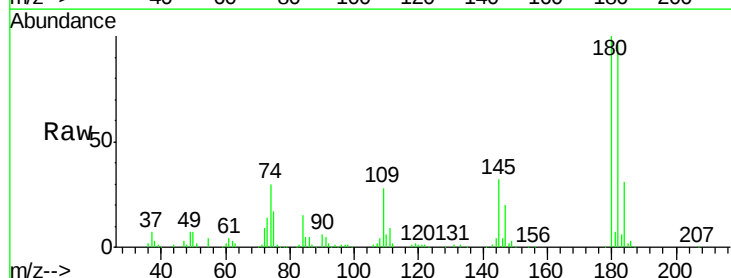
Tgt Ion:180 Resp: 121955

Ion Ratio Lower Upper

180 100

182 96.7 77.4 116.0

145 31.9 25.5 38.3



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

