

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
 Data File : VU027751.D
 Acq On : 22 Oct 2018 19:57
 Operator : MD/SY
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

sam

10/24/2018 2:19:19 PM

Quant Time: Oct 23 04:45:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 04:01:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.75	96	14252	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	5323	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	5280	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds					Ovalue	
2) Dichlorodifluoromethane	1.21	85	83289	13.855	ug/l	100
3) Chloromethane	1.33	50	87215	13.502	ug/l	100
4) Vinyl Chloride	1.40	62	81755	13.544	ug/l	99
5) Bromomethane	1.63	94	41887	14.478	ug/l	99
6) Chloroethane	1.70	64	42325	12.639	ug/l	99
7) Trichlorofluoromethane	1.89	101	100216	14.125	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	52480	13.389	ug/l	99
9) 1,1-Dichloroethene	2.29	96	46725	13.354	ug/l	99
10) Iodomethane	2.41	142	72844	15.472	ug/l	98
11) Allyl Chloride	2.59	41	107444	13.080	ug/l	100
12) Acrylonitrile	2.95	53	25829	23.196	ug/l	99
13) Acetone	2.34	43	56792	70.143	ug/l	99
14) Carbon Disulfide	2.48	76	171164	13.490	ug/l	99
15) Methylene Chloride	2.70	84	52742	12.344	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	51692	13.169	ug/l	99
17) 1,1-Dichloroethane	3.45	63	111926	13.658	ug/l	100
18) 2-Butanone	4.29	43	100776	66.879	ug/l	99
19) Cyclohexane	4.99	56	100323	13.381	ug/l	100
20) Methylcyclohexane	6.41	83	104773	14.303	ug/l	100
21) 2,2-Dichloropropane	4.23	77	95060	13.092	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	61633	13.831	ug/l	96
23) Diethyl Ether	2.11	59	43369	13.146	ug/l	99
24) tert-Butyl Alcohol	2.87	59	46830m	148.243	ug/l	
25) Methyl tert-Butyl Ether	3.01	73	148328	13.390	ug/l	99
26) Bromochloromethane	4.55	128	24817	13.756	ug/l	100
27) Chloroform	4.68	83	111157	13.750	ug/l	100
28) 1,1,1-Trichloroethane	4.92	97	99117	14.208	ug/l	99
29) 1,1-Dichloropropene	5.13	75	88021	14.322	ug/l	98
30) Carbon Tetrachloride	5.13	117	88839	14.293	ug/l	97
31) Isopropyl Ether	3.58	45	205265	13.334	ug/l	100
32) Ethyl-t-butyl ether	4.08	59	180509	13.289	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	156968	13.758	ug/l	100
34) Propionitrile	4.35	54	27523	68.002	ug/l	97
35) Benzene	5.39	78	243834	14.102	ug/l	100
36) 1,2-Dichloroethane	5.41	62	81056	14.703	ug/l	100
37) Trichloroethene	6.19	130	58852	13.818	ug/l	98
38) 1,2-Dichloropropane	6.43	63	68404	14.024	ug/l	99
39) Methacrylonitrile	4.55	41	28102	14.094	ug/l	98
40) Methyl acrylate	4.43	55	37673	13.924	ug/l	99
41) Tetrahydrofuran	4.66	42	28536	26.643	ug/l	97
42) 1-Chlorobutane	5.07	56	136035	14.143	ug/l	99

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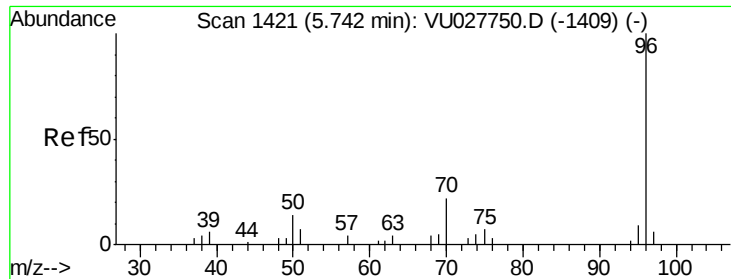
sam

10/24/2018 2:19:19 PM

Quant Time: Oct 23 04:45:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 04:01:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	31847	14.657	ug/l	97
44) Bromodichloromethane	6.76	83	86323	14.790	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	256532	69.766	ug/l	100
46) t-1,4-Dichloro-2-butene	10.52	75	39510m	29.062	ug/l	
47) Methyl methacrylate	6.63	69	67564	28.117	ug/l	98
48) Ethyl methacrylate	8.02	69	71165	13.835	ug/l	97
49) Toluene	7.64	92	146379	13.989	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	86279	14.550	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	101326	14.405	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	43126	14.039	ug/l	99
53) 1,3-Dichloropropane	8.24	76	80828	14.237	ug/l	99
54) 2-Hexanone	8.37	43	182838	67.496	ug/l	100
55) Dibromochloromethane	8.48	129	55069	14.726	ug/l	99
56) 1,2-Dibromoethane	8.59	107	41969	14.471	ug/l	99
58) Tetrachloroethene	8.23	164	55161	14.312	ug/l	98
59) Chlorobenzene	9.12	112	156619	14.282	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	57234	14.395	ug/l	99
61) Pentachloroethane	11.10	117	45230	14.698	ug/l	100
62) Hexachloroethane	12.15	117	49698	14.989	ug/l	98
63) Ethyl Benzene	9.25	91	298474	14.722	ug/l	100
64) m/p-Xylenes	9.38	106	215427	29.063	ug/l	99
65) o-Xylene	9.78	106	104864	14.172	ug/l	100
66) Styrene	9.79	104	178273	14.558	ug/l	100
67) Bromoform	9.96	173	33679	15.527	ug/l	98
69) Isopropylbenzene	10.17	105	288503	14.565	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	57261	14.363	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	44627m	14.408	ug/l	
72) Bromobenzene	10.45	156	66785	15.087	ug/l	99
73) n-propylbenzene	10.59	120	76892	15.147	ug/l	99
74) 2-Chlorotoluene	10.66	126	63992	14.122	ug/l	94
75) 1,3,5-Trimethylbenzene	10.77	105	244677	14.806	ug/l	99
76) 4-Chlorotoluene	10.77	126	66461	15.230	ug/l	98
77) tert-Butylbenzene	11.10	119	236930	14.458	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	252697	14.832	ug/l	99
79) sec-Butylbenzene	11.32	105	317966	15.158	ug/l	100
80) Nitrobenzene	12.86	77	12976	70.040	ug/l	97
81) p-Isopropyltoluene	11.48	119	262715	15.366	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	129674	15.237	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	129135	15.365	ug/l	99
84) n-Butylbenzene	11.89	91	269981	16.732	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	123749	15.255	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	10716	15.197	ug/l	92
87) 1,2,4-Trichlorobenzene	13.50	180	96464	16.216	ug/l	99
88) Hexachlorobutadiene	13.69	225	54132	15.282	ug/l	98
89) Naphthalene	13.74	128	179628	15.277	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	87849	15.984	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1422

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 96 Resp: 14252

Ion Ratio Lower Upper

96 100

70 21.5 17.7 26.5

95 0.0 7.0 10.6#

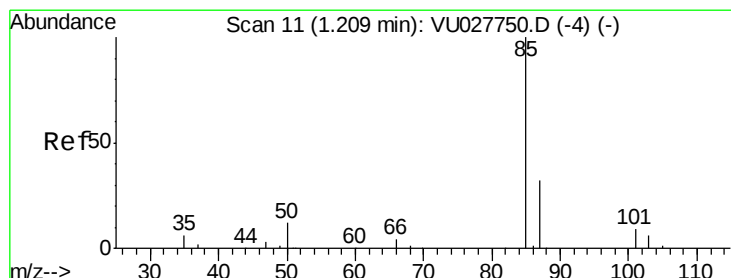
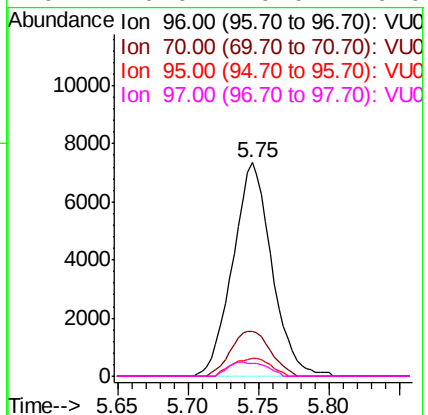
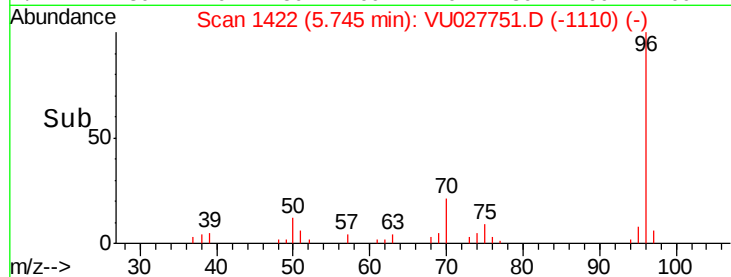
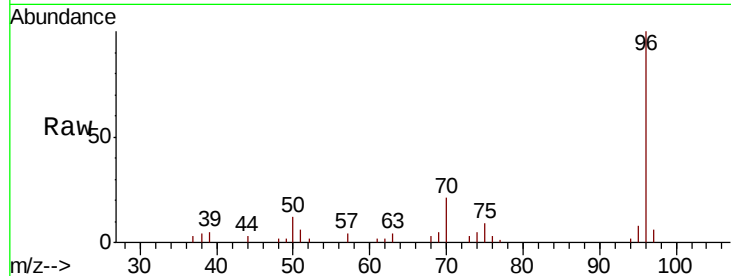
97 0.0 0.0 0.0

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#2

Dichlorodifluoromethane

Concen: 13.855 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027751.D

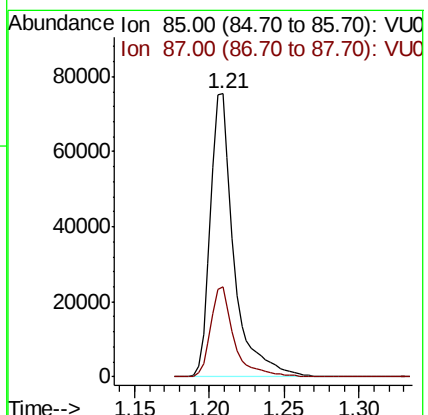
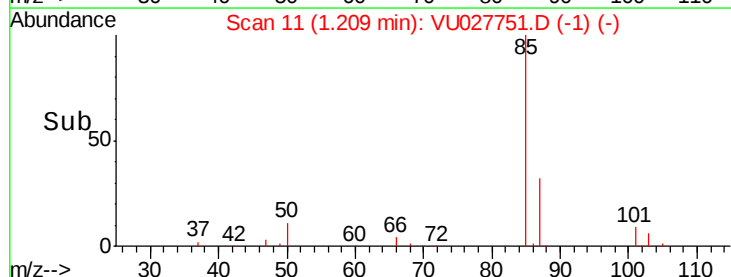
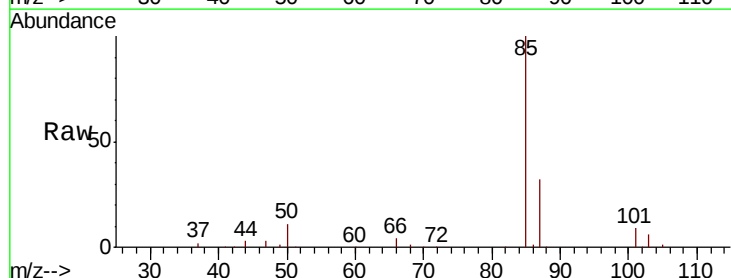
Acq: 22 Oct 2018 19:57

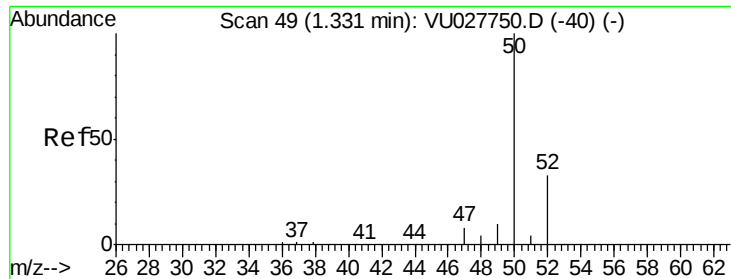
Tgt Ion: 85 Resp: 83289

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6





#3

Chloromethane

Concen: 13.502 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 50 Resp: 87215

Ion Ratio Lower Upper

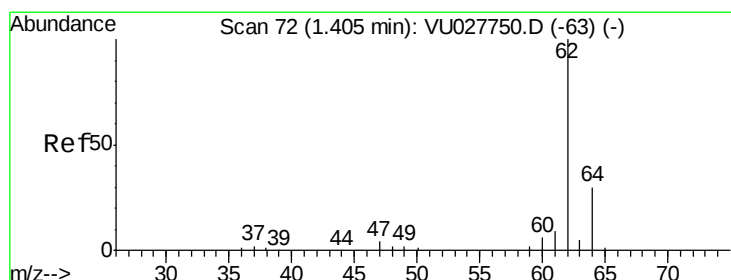
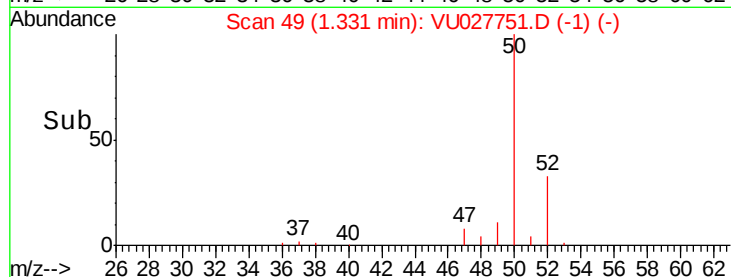
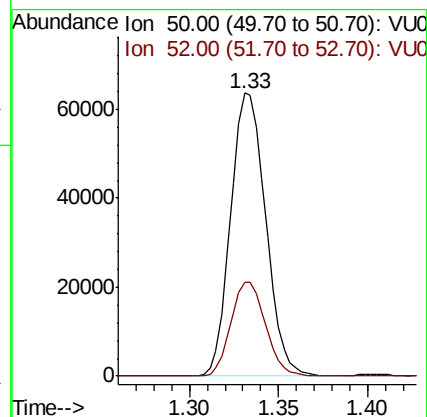
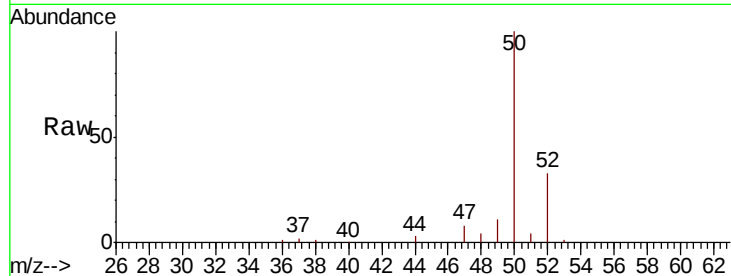
50 100

52 33.2 26.6 40.0

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#4

Vinyl Chloride

Concen: 13.544 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027751.D

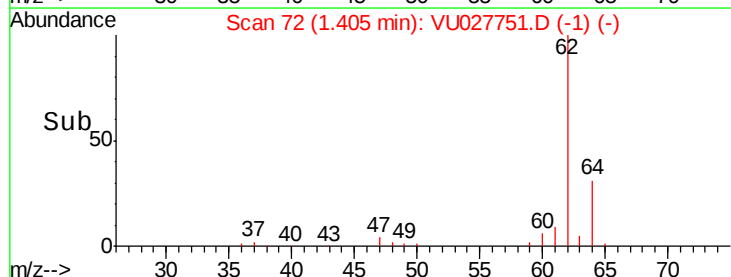
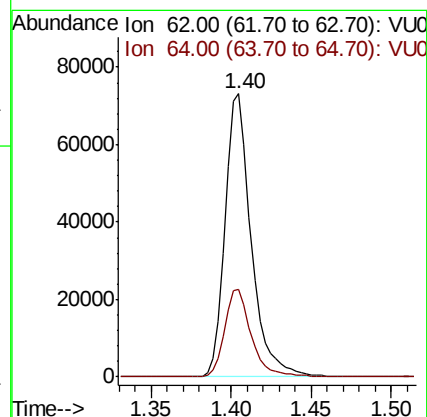
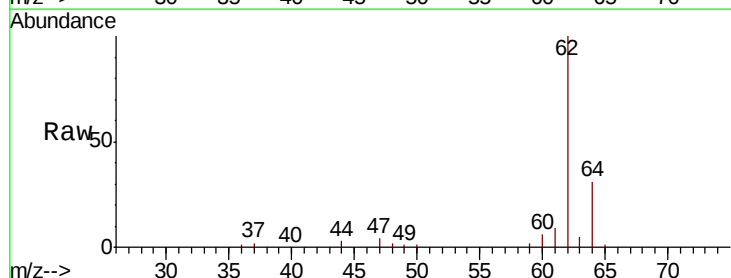
Acq: 22 Oct 2018 19:57

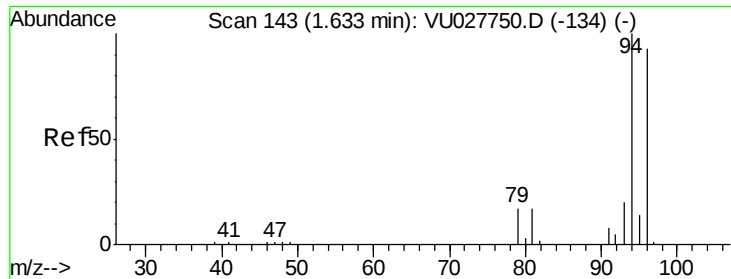
Tgt Ion: 62 Resp: 81755

Ion Ratio Lower Upper

62 100

64 30.9 24.3 36.5





#5

Bromomethane

Concen: 14.478 ug/l

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 94 Resp: 41887

Ion Ratio Lower Upper

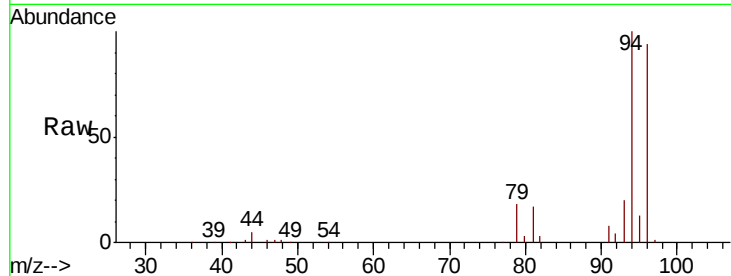
94 100

96 93.7 74.2 111.4

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Abundance Ion 94.00 (93.70 to 94.70): VU027751.D (-134) (-)

Ion 96.00 (95.70 to 96.70): VU027751.D (-134) (-)

1.63

40000

30000

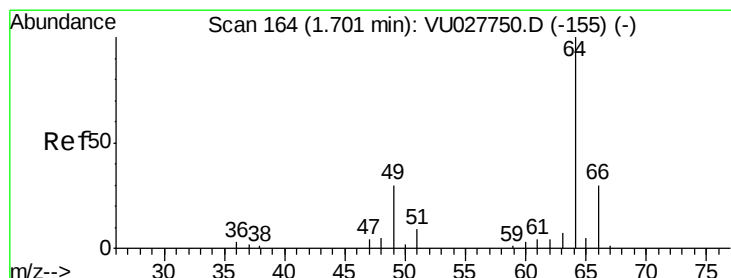
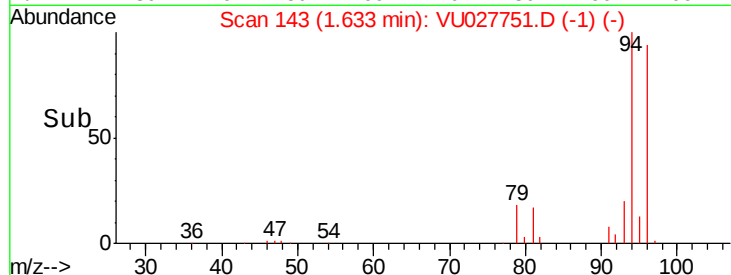
20000

10000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 12.639 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027751.D

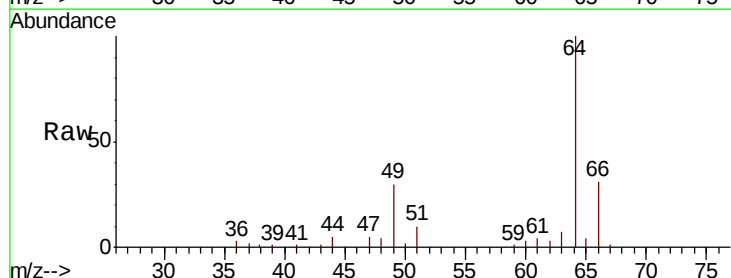
Acq: 22 Oct 2018 19:57

Tgt Ion: 64 Resp: 42325

Ion Ratio Lower Upper

64 100

66 30.9 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU027751.D (-155) (-)

Ion 66.00 (65.70 to 66.70): VU027751.D (-155) (-)

1.70

30000

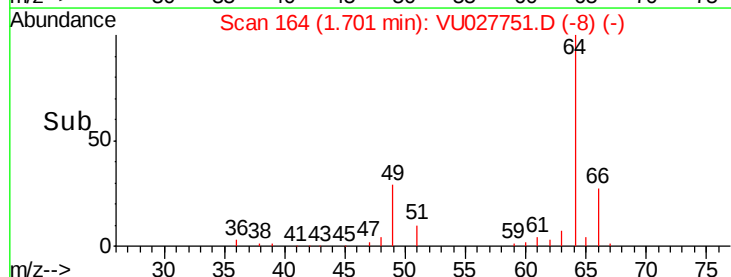
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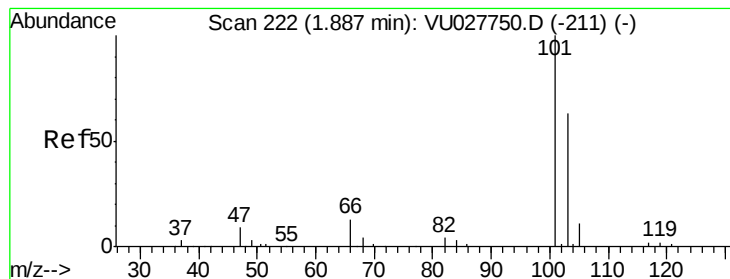
10000

0

Time-->

1.65 1.70 1.75 1.80





#7

Trichlorofluoromethane
Concen: 14.125 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

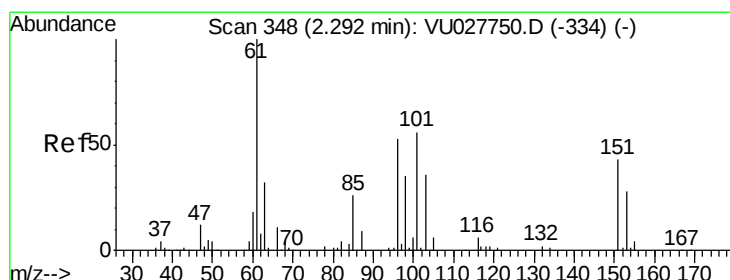
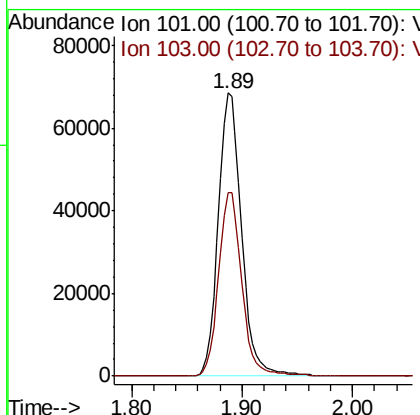
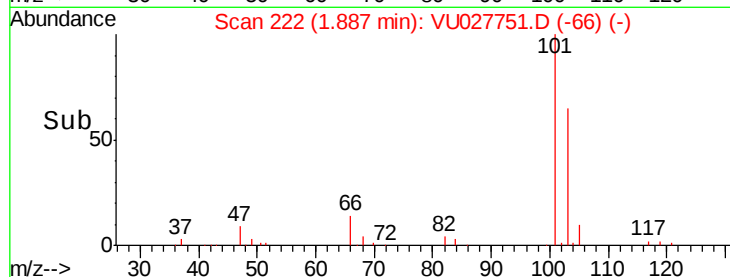
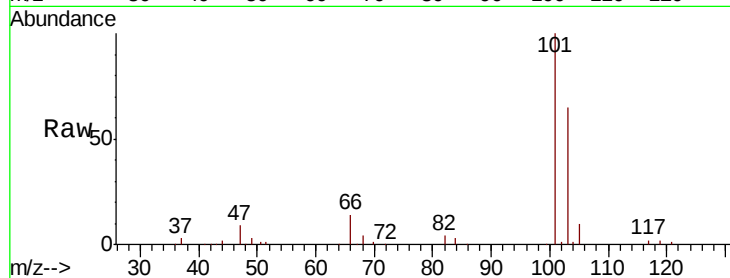
Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	100216		
103	64.7	50.2	75.2	

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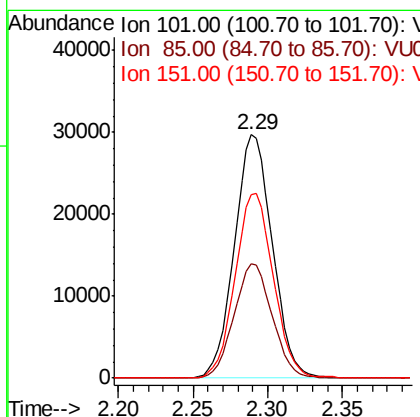
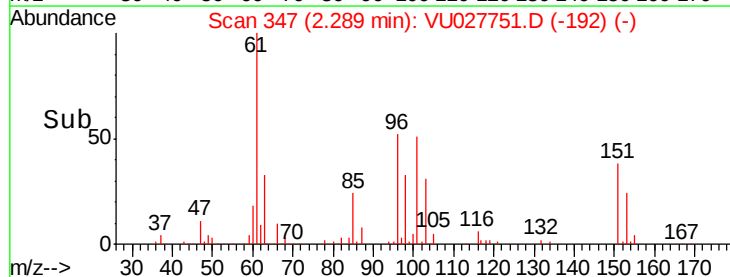
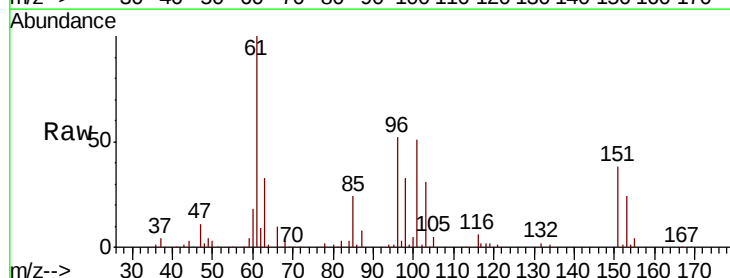
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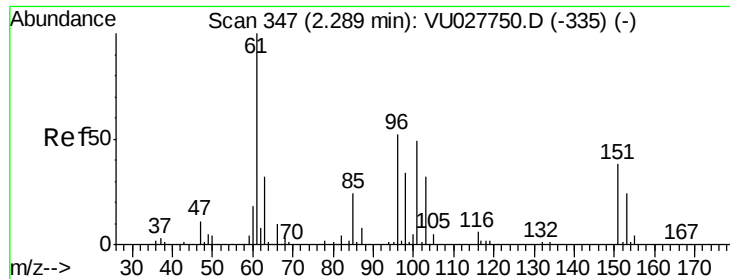


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 13.389 ug/l
RT: 2.29 min Scan# 347
Delta R.T. -0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	52480		
85	47.0	38.2	57.2	
151	76.4	61.8	92.8	





#9

1,1-Dichloroethene

Concen: 13.354 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

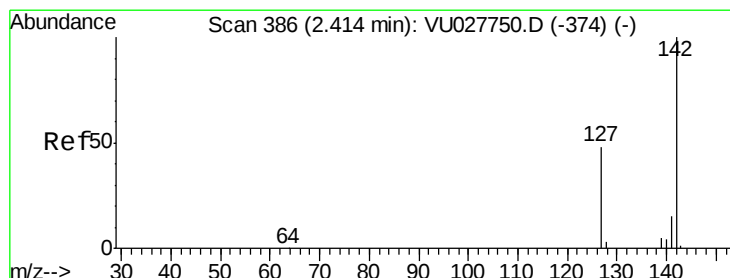
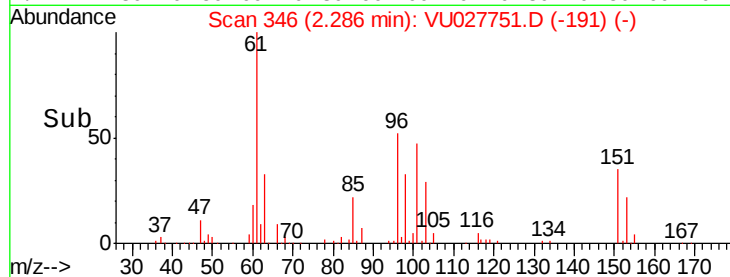
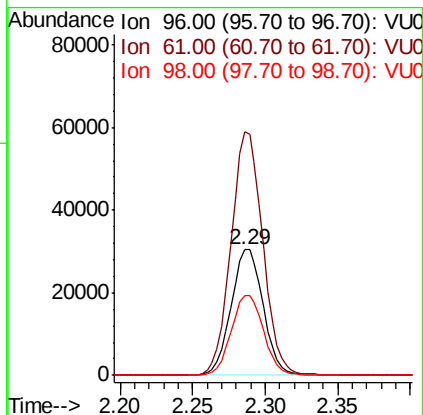
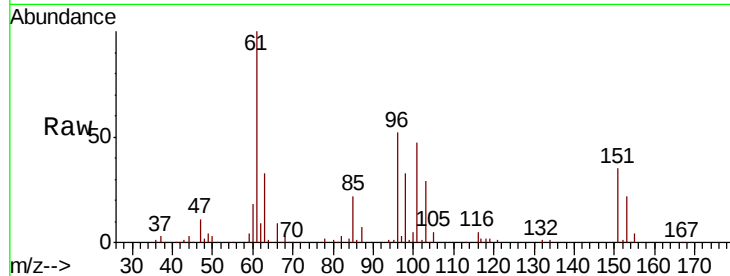
VSTDIC015

Tot Ion:	96	Resp:	46725
Ion Ratio	Lower	Upper	
96	100		
61	193.6	0.0	581.4
98	63.6	0.0	131.2

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#10

Iodomethane

Concen: 15.472 ug/l

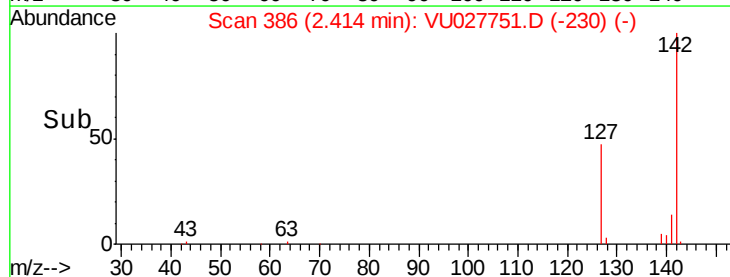
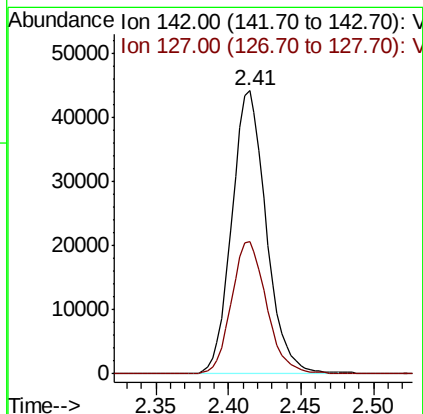
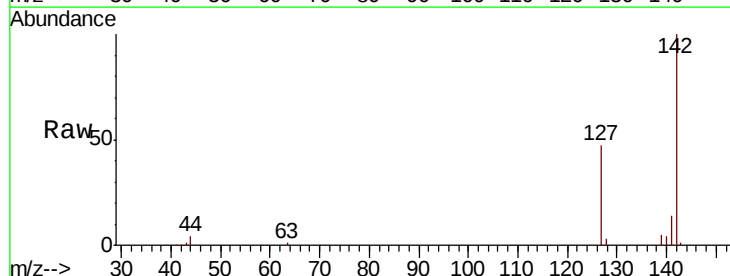
RT: 2.41 min Scan# 386

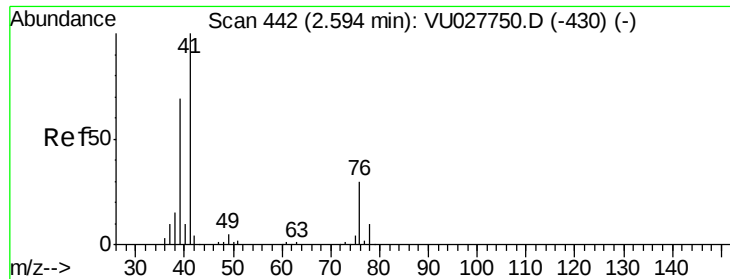
Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Tgt Ion:	142	Resp:	72844
Ion Ratio	Lower	Upper	
142	100		
127	47.6	39.2	58.8





#11
Allvl Chloride
Concen: 13.080 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

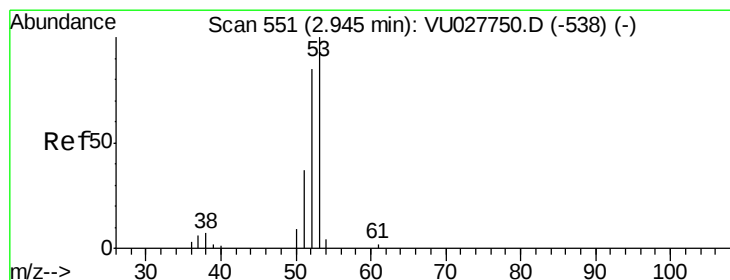
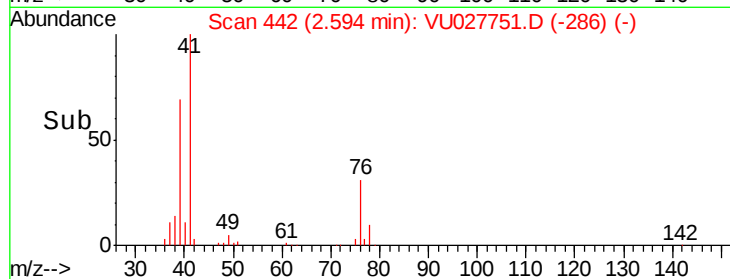
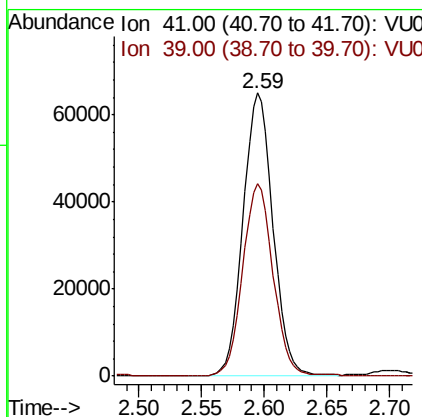
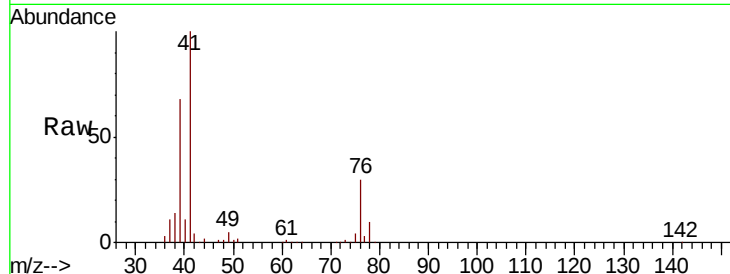
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	41	Resp	107444
Ion Ratio	100	Lower	Upper
39	69.2	55.4	83.0

Manual Integrations
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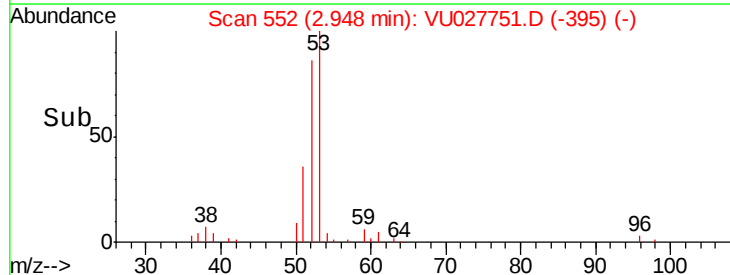
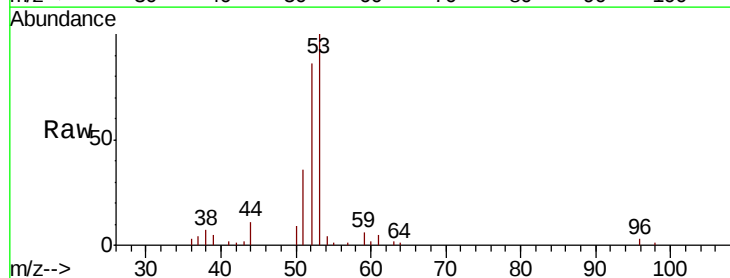
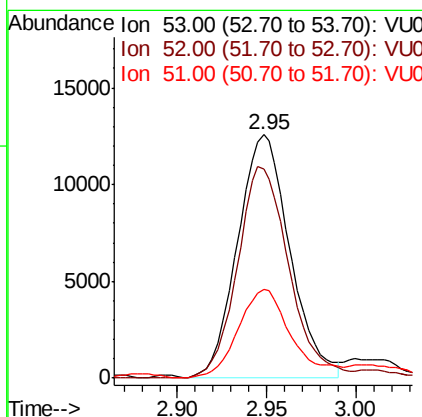
sam

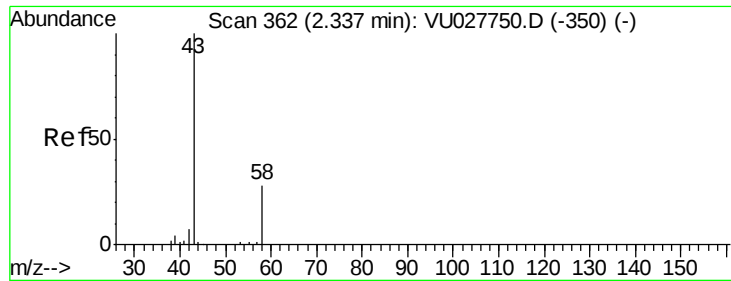
10/24/2018 2:19:19 PM



#12
Acrylonitrile
Concen: 23.196 ug/l
RT: 2.95 min Scan# 552
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion	53	Resp	25829
Ion Ratio	100	Lower	Upper
52	85.7	67.9	101.9
51	37.4	30.0	45.0





#13

Acetone

Concen: 70.143 ug/l

RT: 2.34 min Scan# 363

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 56792

Ion Ratio Lower Upper

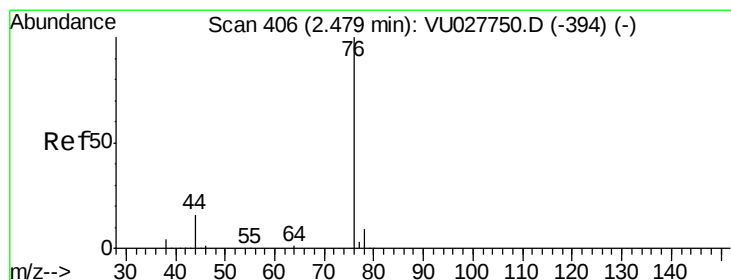
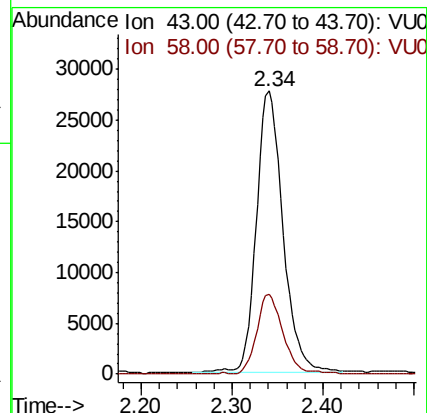
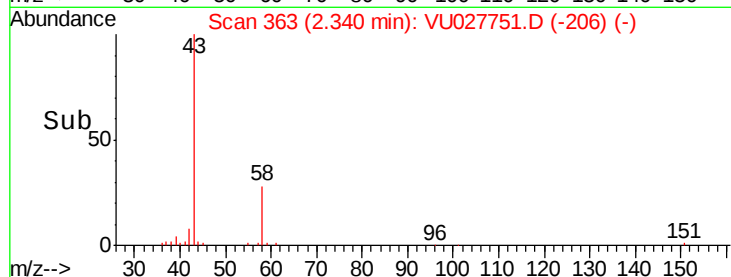
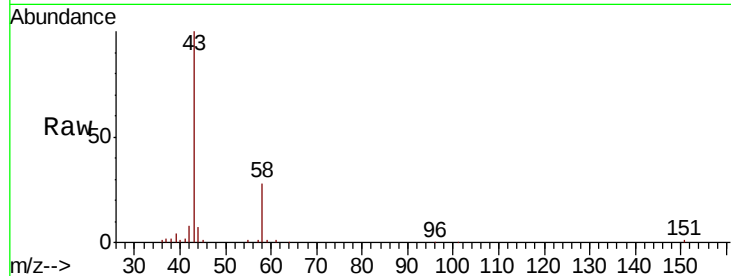
43 100

58 28.5 22.3 33.5

Manual Integrations
APPROVED

sam

10/24/2018 2:19:19 PM



#14

Carbon Disulfide

Concen: 13.490 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027751.D

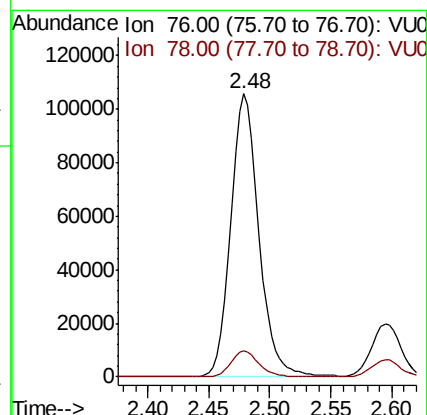
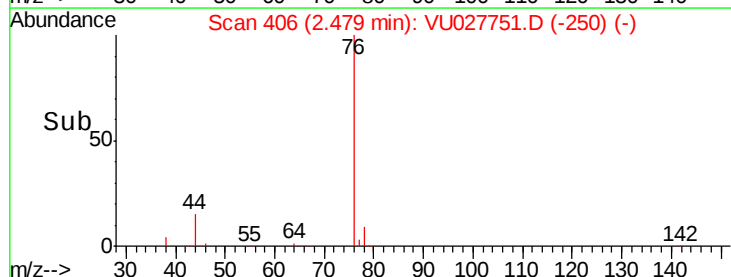
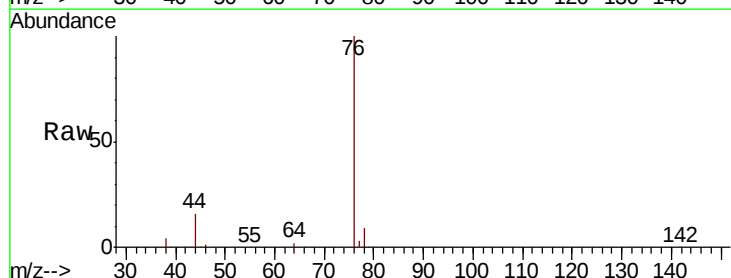
Acq: 22 Oct 2018 19:57

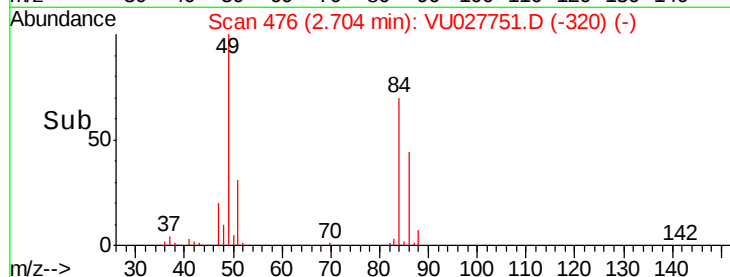
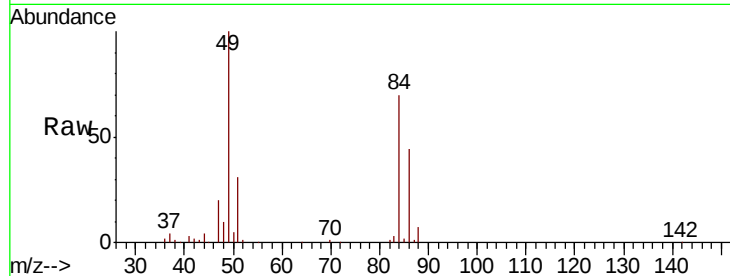
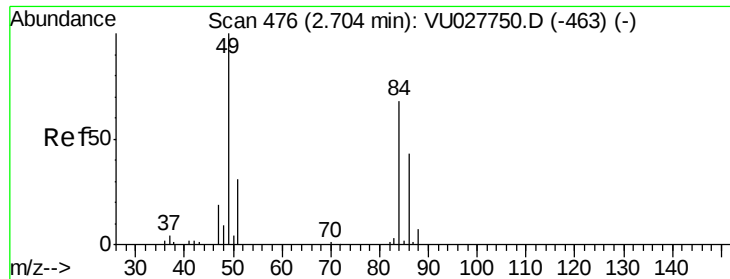
Tgt Ion: 76 Resp: 171164

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#15
Methvlene Chloride
Concen: 12.344 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

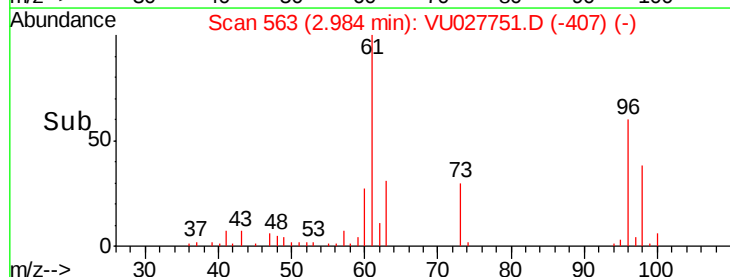
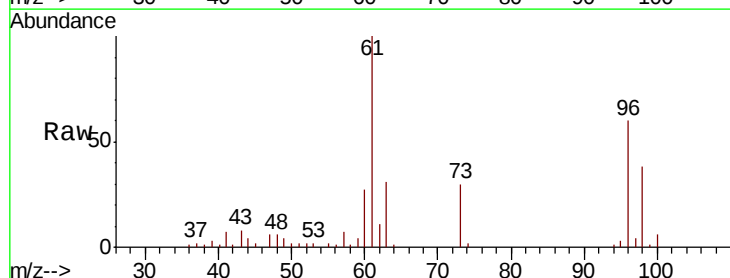
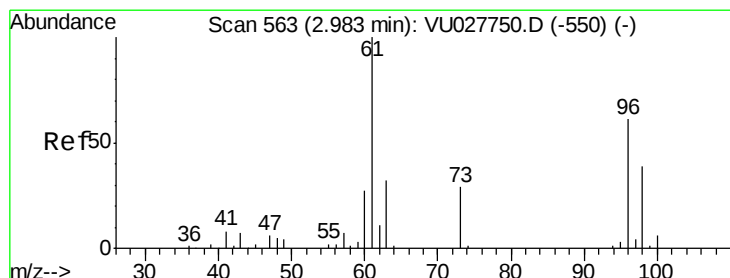
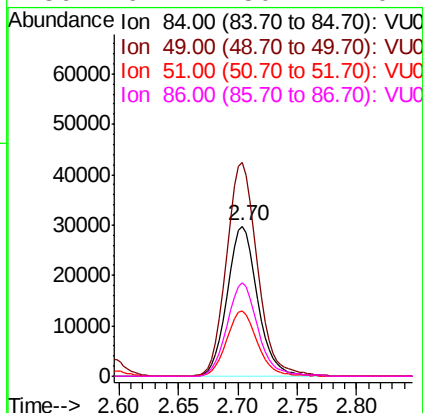
Tot Ion:	84	Resp:	52742
Ion	Ratio	Lower	Upper
84	100		
49	142.1	118.5	177.7
51	43.7	0.0	91.0
86	62.1	50.7	76.1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Manual Integrations
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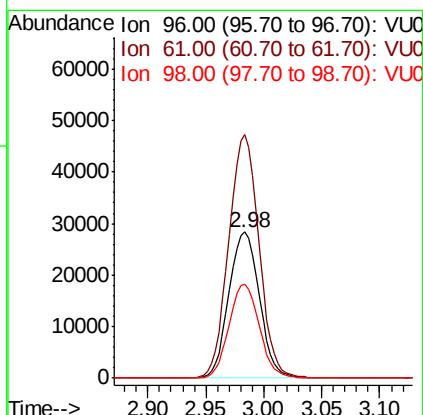
sam

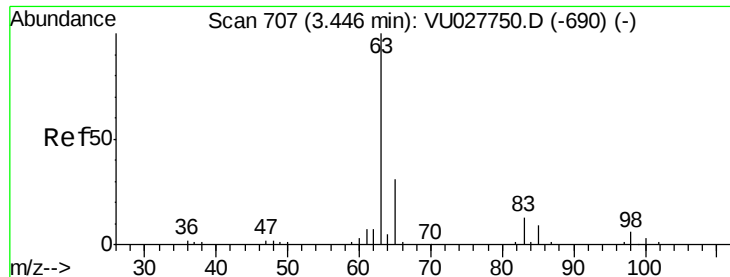
10/24/2018 2:19:19 PM



#16
trans-1,2-Dichloroethene
Concen: 13.169 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion:	96	Resp:	51692
Ion	Ratio	Lower	Upper
96	100		
61	166.9	131.8	197.6
98	64.0	51.2	76.8





#17
 1,1-Dichloroethane
 Concen: 13.658 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

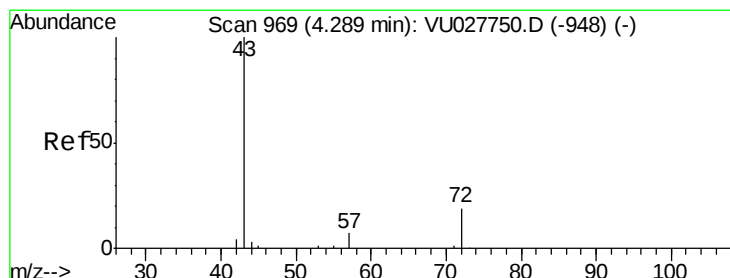
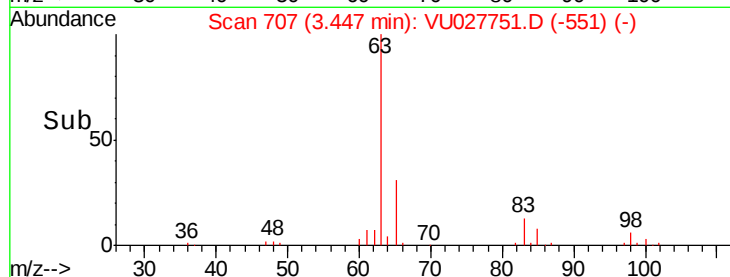
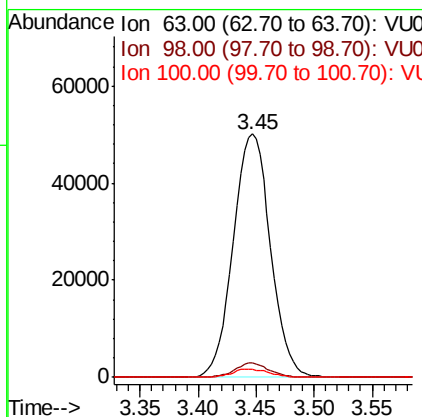
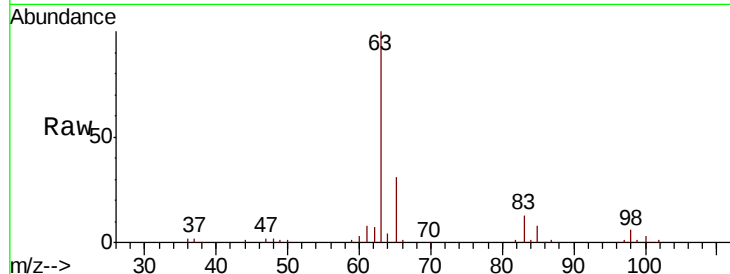
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion:	63	Resp:	111926
Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.8	8.4
100	3.1	1.5	4.5

Manual Integrations
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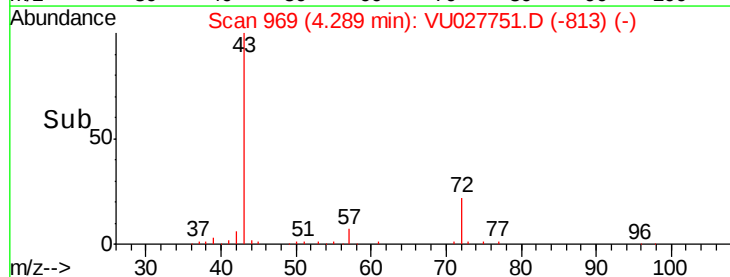
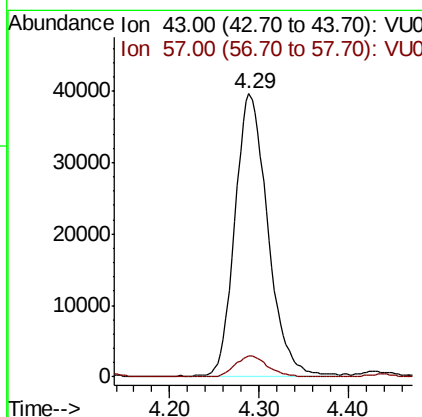
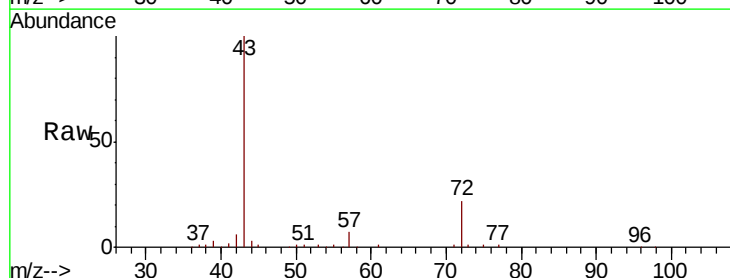
sam

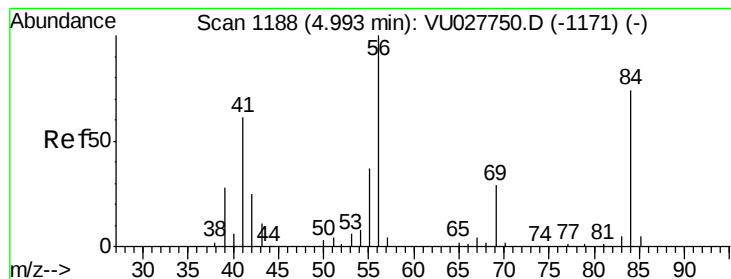
10/24/2018 2:19:19 PM



#18
 2-Butanone
 Concen: 66.879 ug/l
 RT: 4.29 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

Tgt Ion:	43	Resp:	100776
Ion	Ratio	Lower	Upper
43	100		
57	7.4	0.0	14.4





#19

Cyclohexane

Concen: 13.381 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

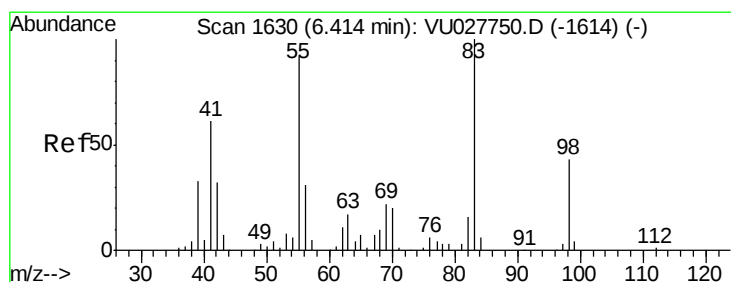
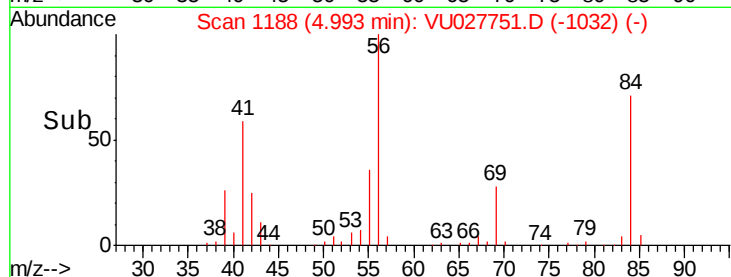
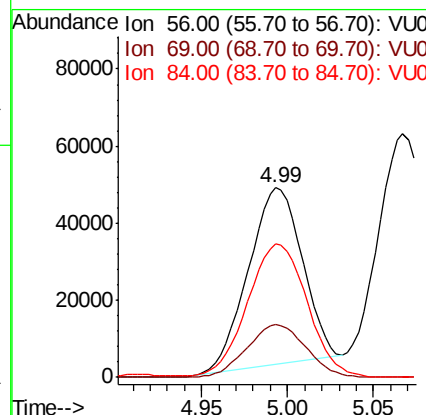
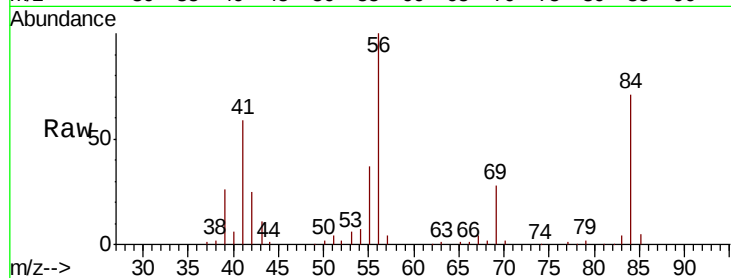
VSTDIC015

Tot Ion:	56	Resp:	100323
Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.9	38.9
84	82.5	65.9	98.9

Manual Integrations
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sam

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#20

Methylcyclohexane

Concen: 14.303 ug/l

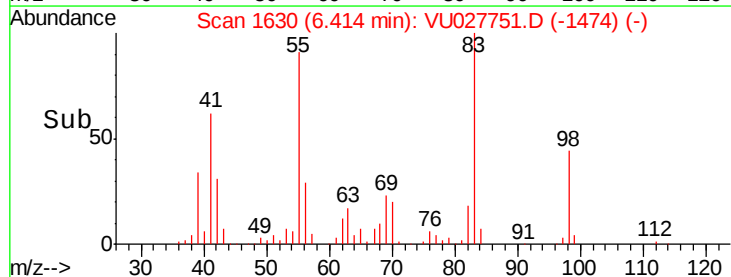
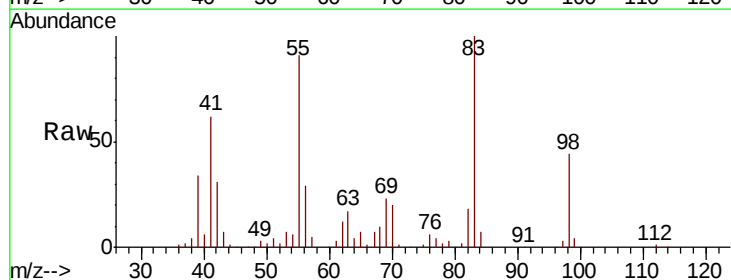
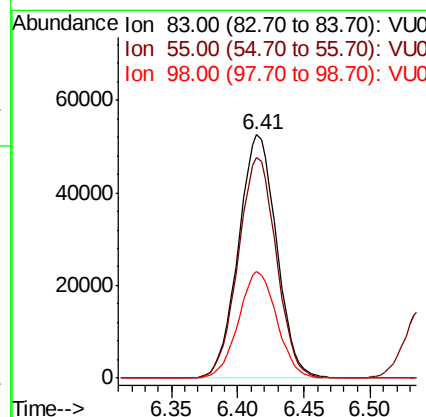
RT: 6.41 min Scan# 1630

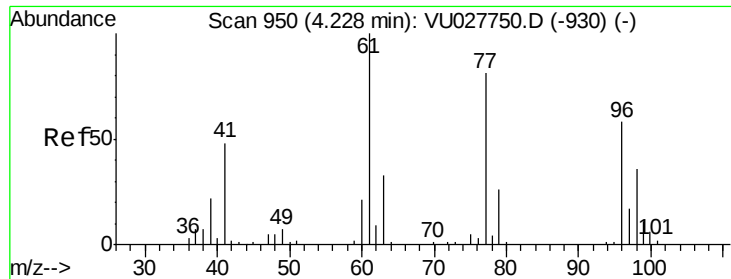
Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Tgt Ion:	83	Resp:	104773
Ion	Ratio	Lower	Upper
83	100		
55	90.5	72.6	108.8
98	43.9	35.0	52.4





#21
 2,2-Dichloropropane
 Concen: 13.092 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

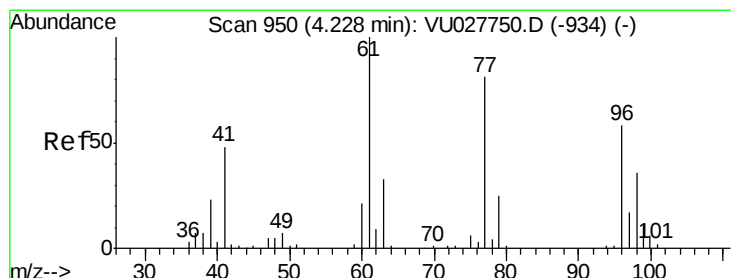
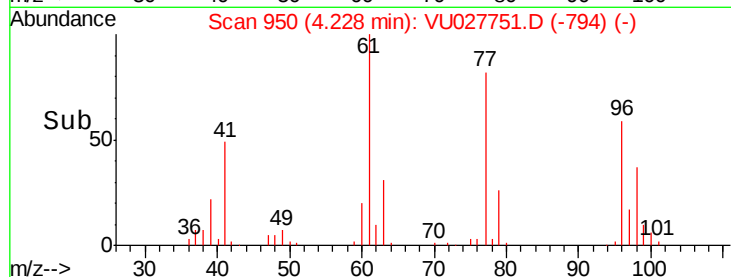
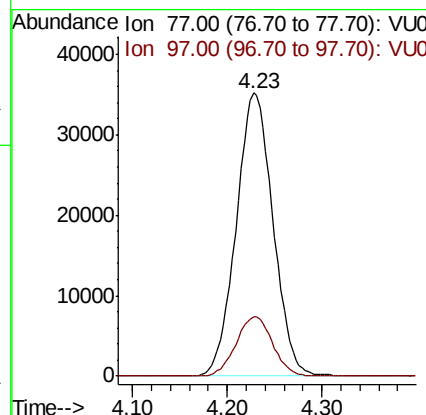
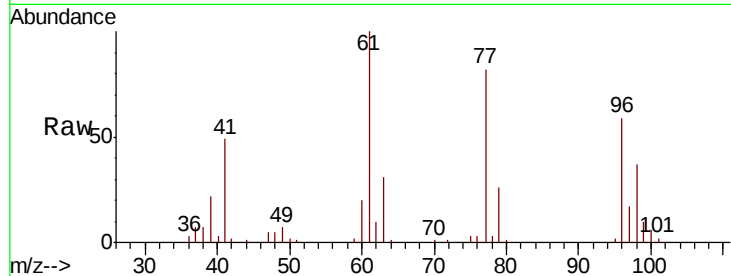
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC015

Tot Ion: 77 Resp: 95060
 Ion Ratio Lower Upper
 77 100
 97 20.8 16.9 25.3

Manual Integrations
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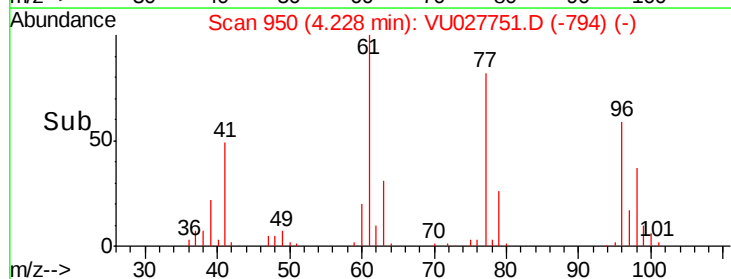
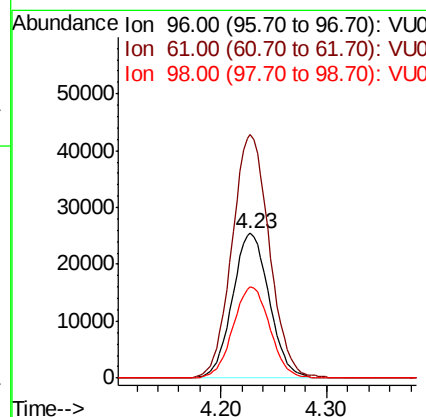
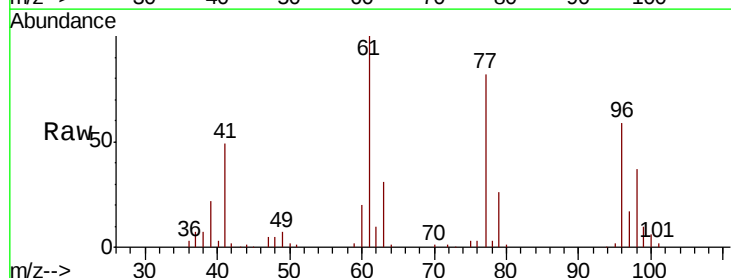
sam

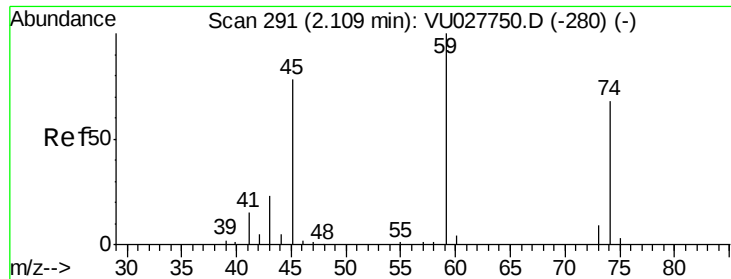
10/24/2018 2:19:19 PM



#22
 cis-1,2-Dichloroethene
 Concen: 13.831 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

Tgt Ion: 96 Resp: 61633
 Ion Ratio Lower Upper
 96 100
 61 170.9 0.0 444.0
 98 63.2 31.9 95.5





#23
Diethyl Ether
Concen: 13.146 ug/l
RT: 2.11 min Scan# 291
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

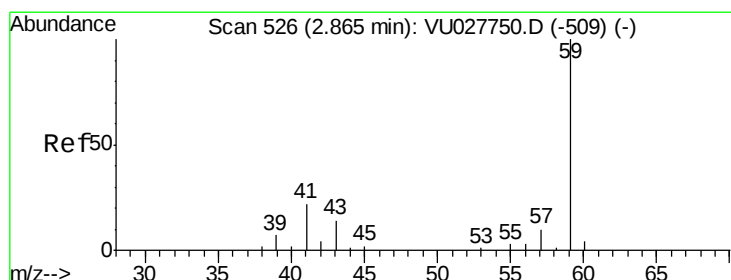
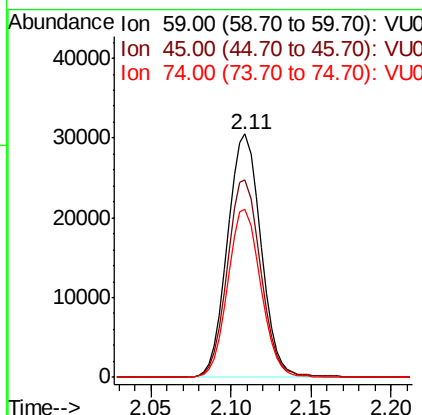
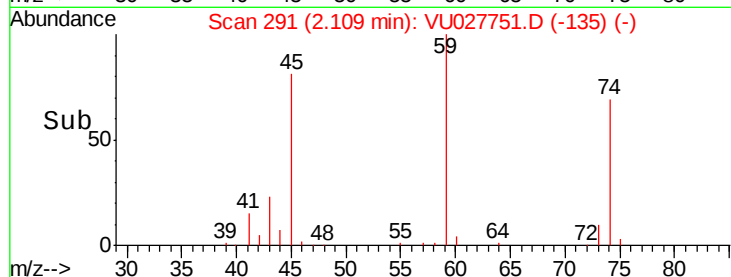
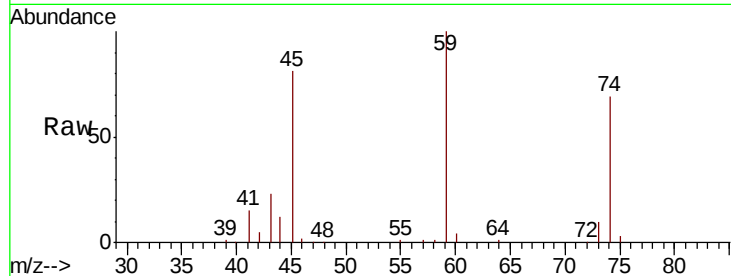
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion:	59	Resp:	43369
Ion	Ratio	Lower	Upper
59	100		
45	81.8	64.6	96.8
74	67.9	54.8	82.2

Manual Integrations
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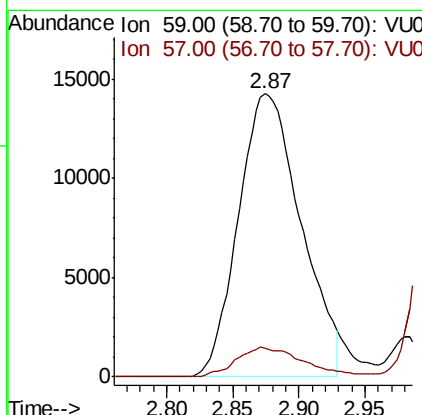
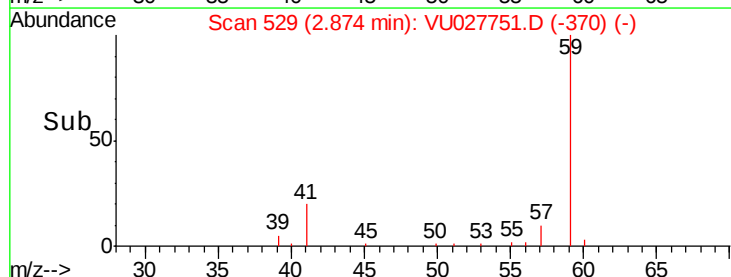
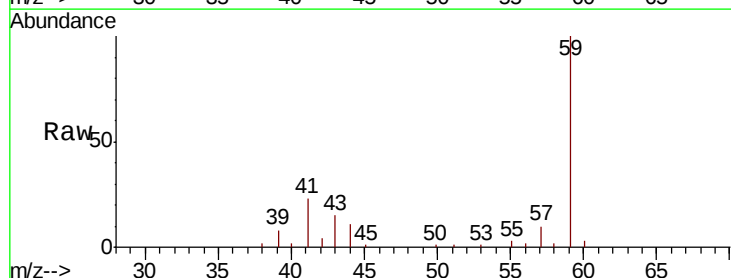
sam

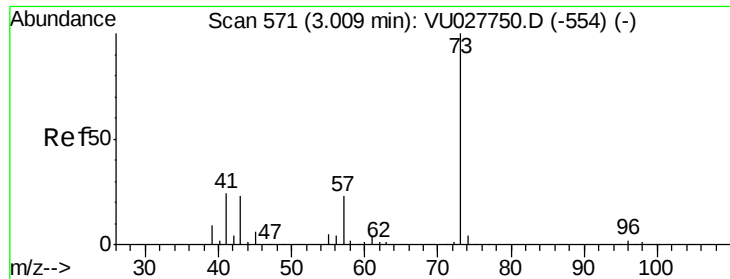
10/24/2018 2:19:19 PM



#24
tert-Butyl Alcohol
Concen: 148.243 ug/l m
RT: 2.87 min Scan# 529
Delta R.T. 0.01 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion:	59	Resp:	46830
Ion	Ratio	Lower	Upper
59	100		
57	11.4	4.4	6.6#





#25

Methvl tert-Butvl Ether
 Concen: 13.390 ug/l
 RT: 3.01 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

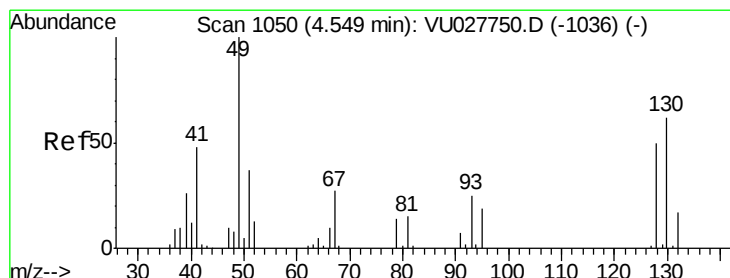
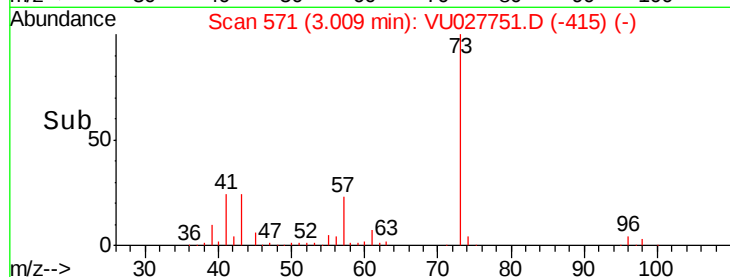
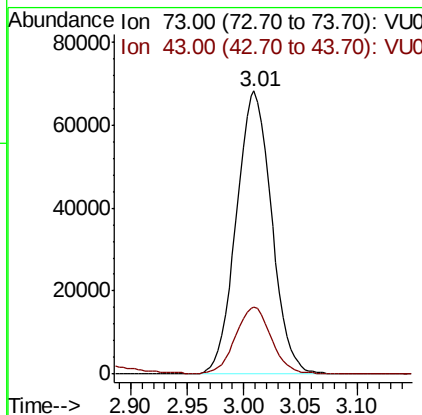
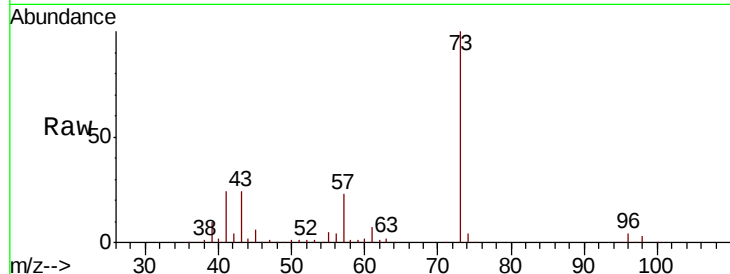
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.4	18.6	27.8

Manual Integrations
 APPROVED

sam

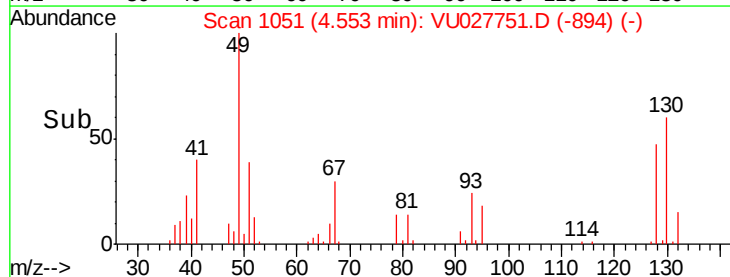
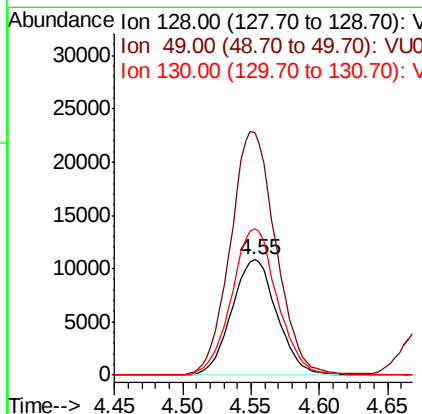
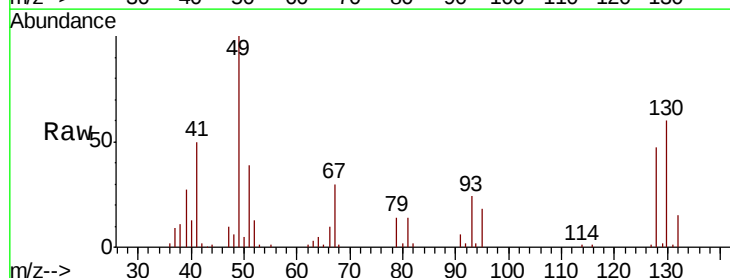
10/24/2018 2:19:19 PM

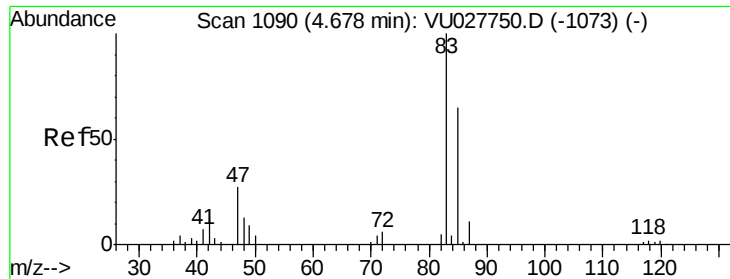


#26

Bromochloromethane
 Concen: 13.756 ug/l
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

Tgt Ion	Ratio	Lower	Upper
128	100		
49	213.8	0.0	427.6
130	128.9	103.4	155.0





#27
Chloroform
Concen: 13.750 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

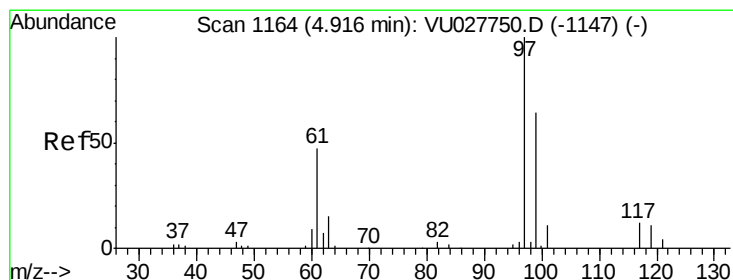
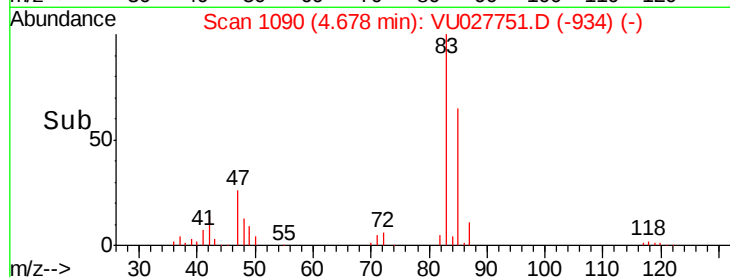
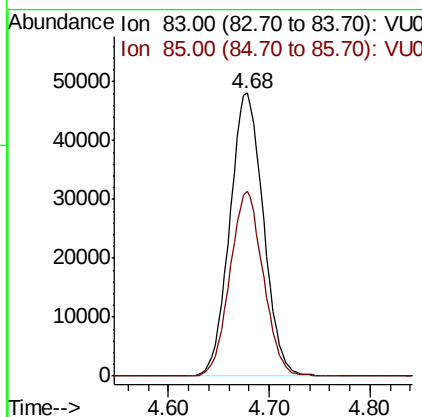
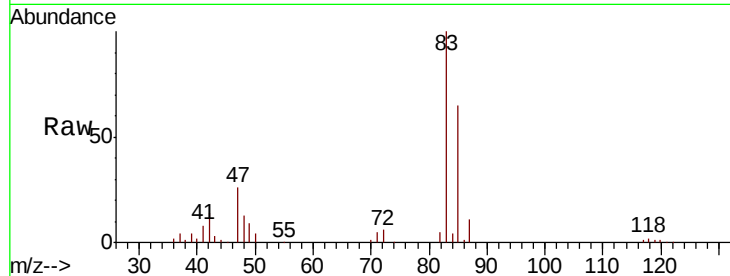
Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tot Ion	83	Resp	111157
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	0.0	130.2

Manual Integrations
APPROVED

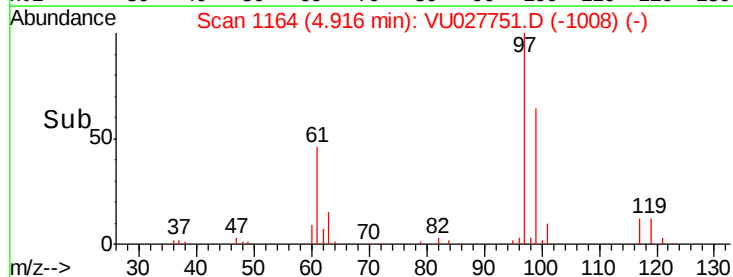
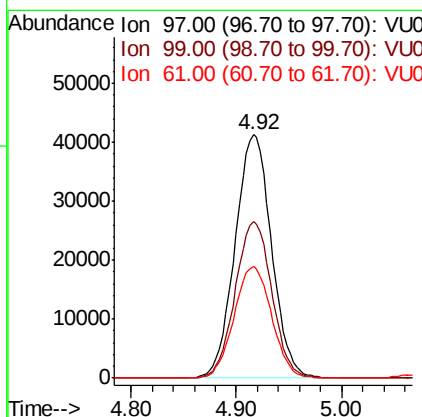
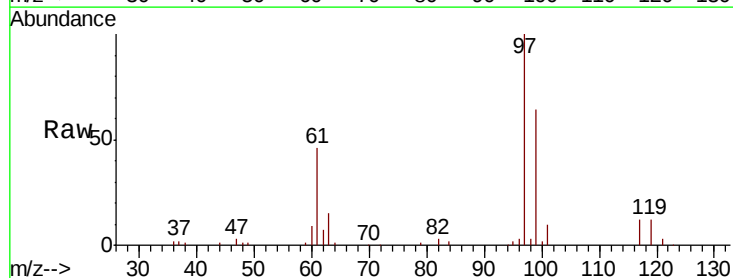
sam

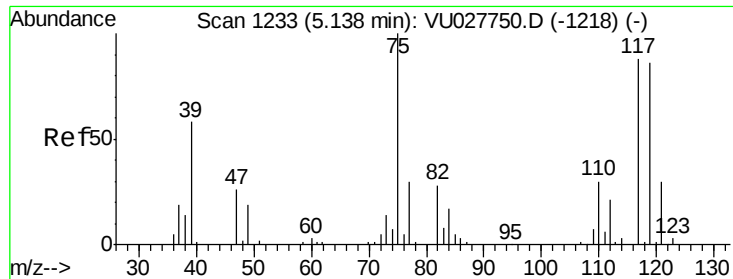
10/24/2018 2:19:19 PM



#28
1,1,1-Trichloroethane
Concen: 14.208 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion	97	Resp	99117
Ion Ratio	100	Lower	Upper
97	100		
99	64.6	31.8	95.4
61	47.3	23.6	70.8





#29
 1,1-Dichloropropene
 Concen: 14.322 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

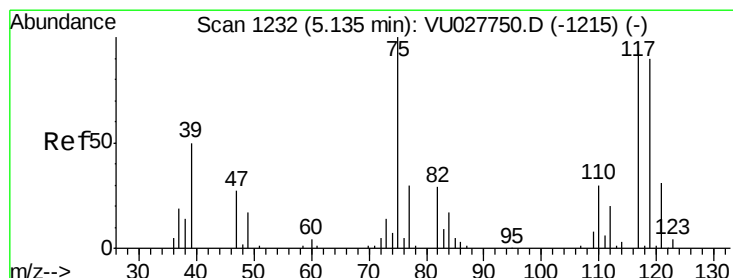
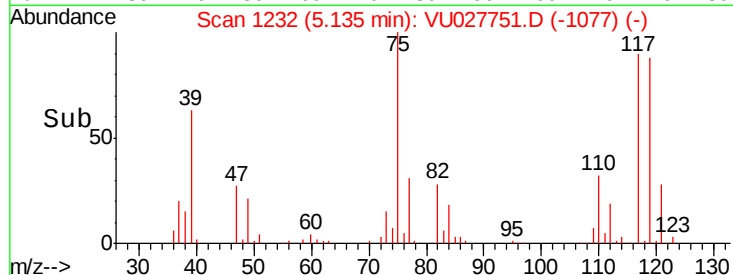
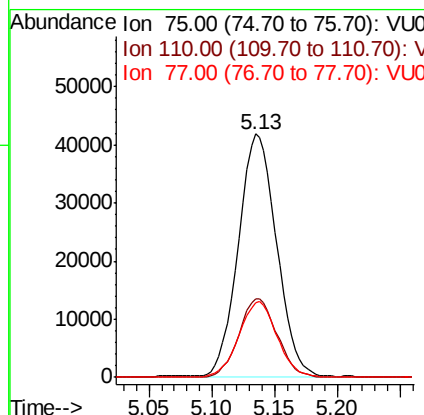
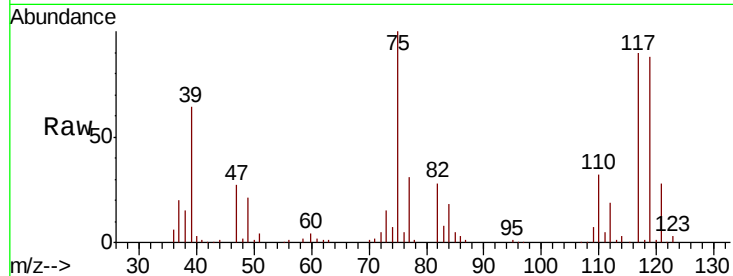
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC015

Tot Ion:	75	Resp:	88021
Ion Ratio	Lower	Upper	
75	100		
110	32.3	15.6	46.8
77	31.4	24.5	36.7

Manual Integrations
 APPROVED

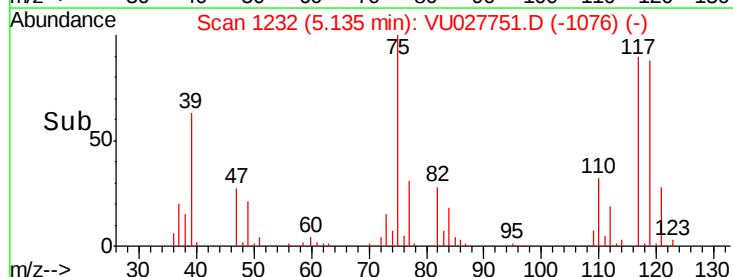
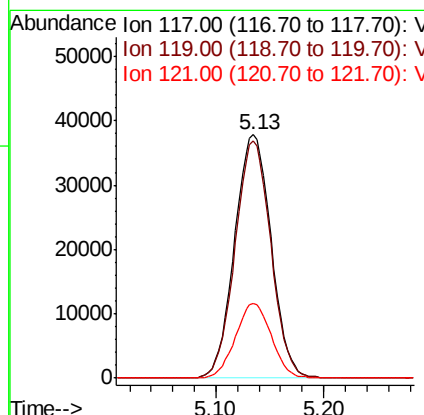
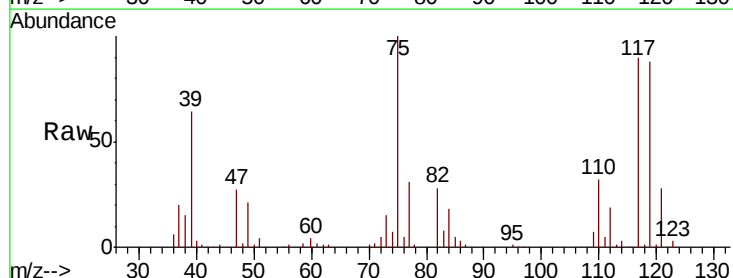
sam

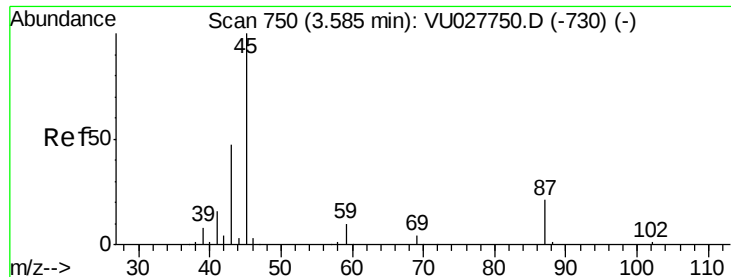
10/24/2018 2:19:19 PM



#30
 Carbon Tetrachloride
 Concen: 14.293 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

Tgt Ion:	117	Resp:	88839
Ion Ratio	Lower	Upper	
117	100		
119	97.4	76.2	114.4
121	30.7	26.4	39.6





#31

Isopropyl Ether
 Concen: 13.334 ug/l
 RT: 3.58 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

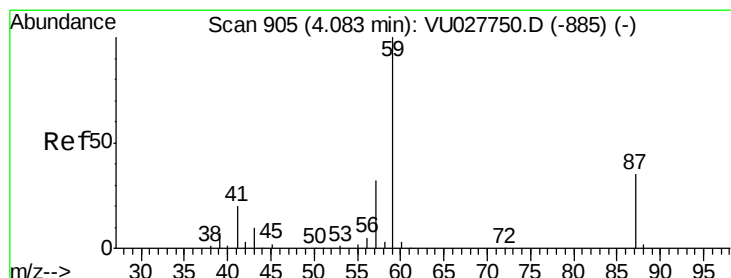
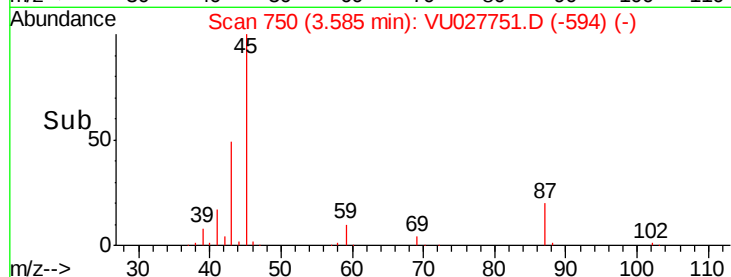
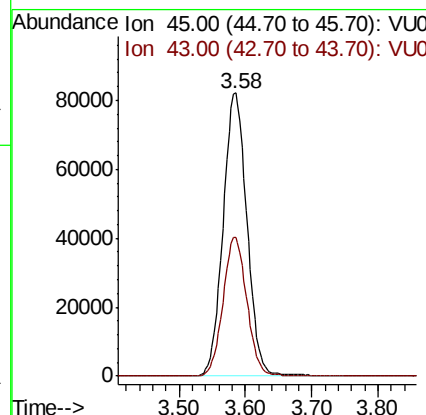
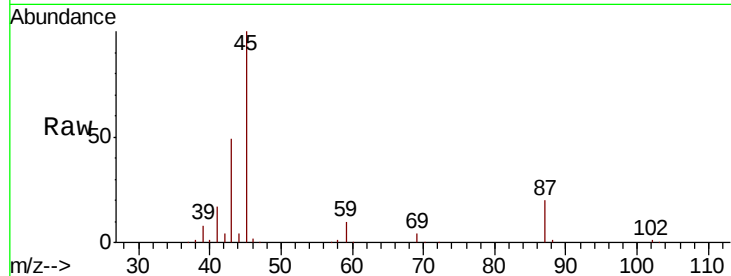
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	45	43	Ratio	100	48.9	Resp	205265	Lower	24.5	Upper	73.5
Ion	45	43	Ratio	100	48.9	Resp	205265	Lower	24.5	Upper	73.5

Manual Integrations
 APPROVED

sam

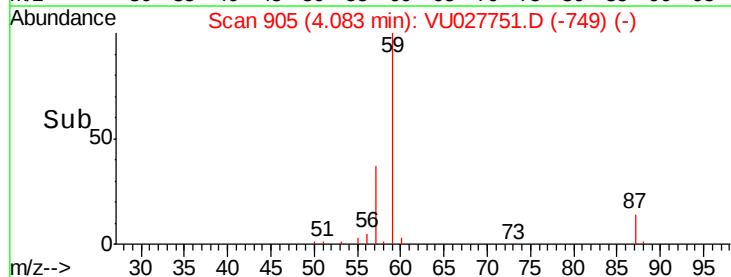
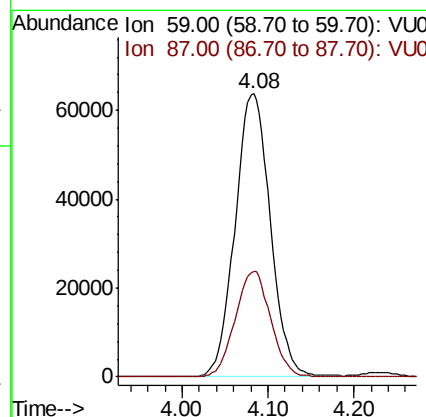
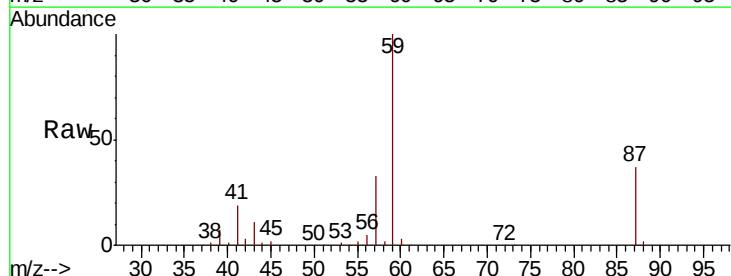
10/24/2018 2:19:19 PM

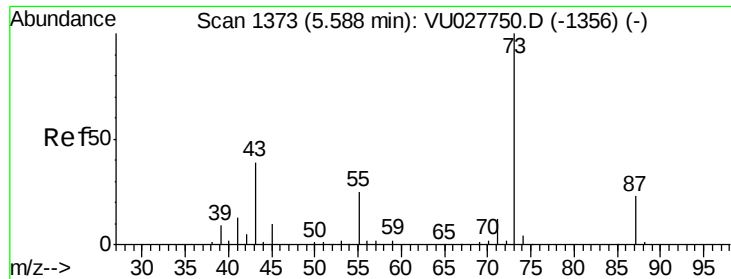


#32

Ethyl-t-butyl ether
 Concen: 13.289 ug/l
 RT: 4.08 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

Tgt Ion	59	87	Ratio	100	37.4	Resp	180509	Lower	29.4	Upper	44.0
Ion	59	87	Ratio	100	37.4	Resp	180509	Lower	29.4	Upper	44.0





#33
Tert-Butyl methyl ether
Concen: 13.758 ug/l
RT: 5.59 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

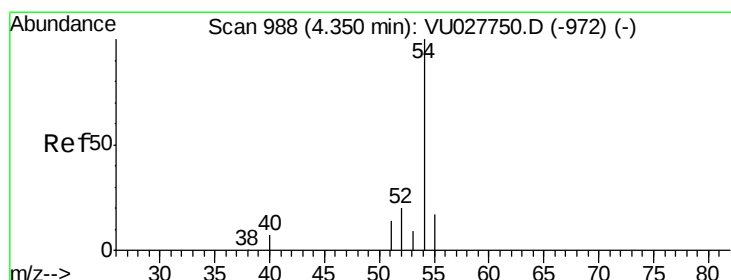
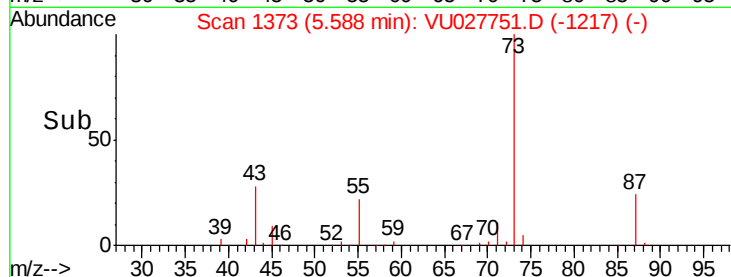
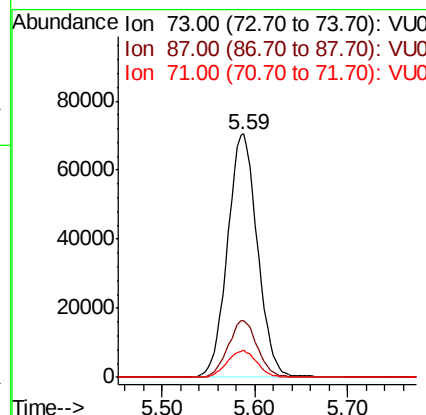
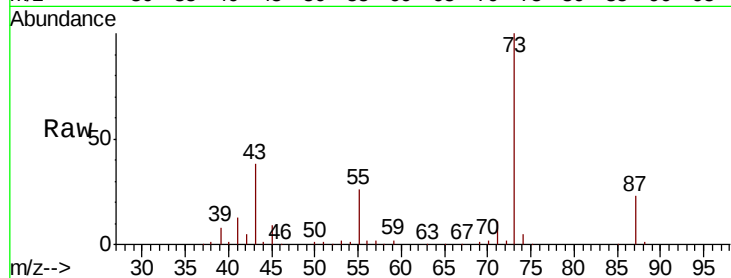
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion:	73	Resp:	156968
Ion	Ratio	Lower	Upper
73	100		
87	23.0	18.5	27.7
71	11.1	9.1	13.7

Manual Integrations
APPROVED

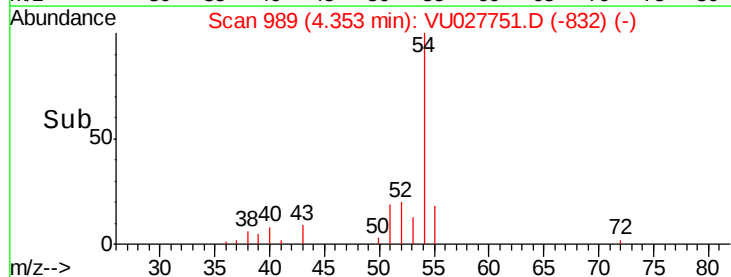
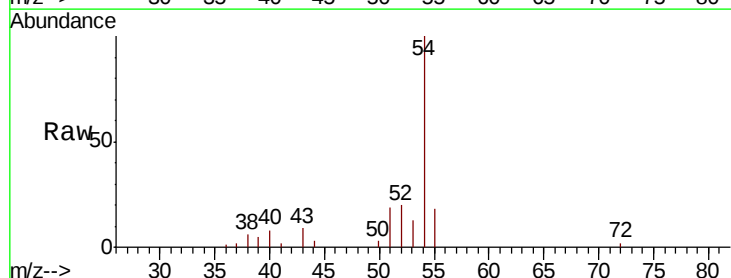
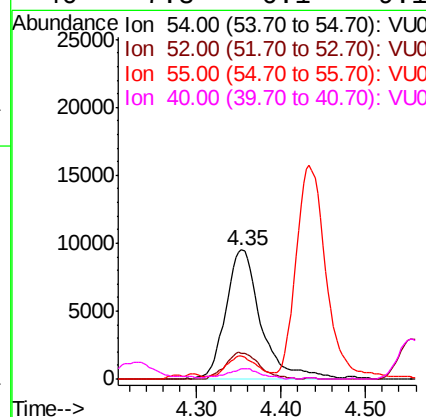
sam

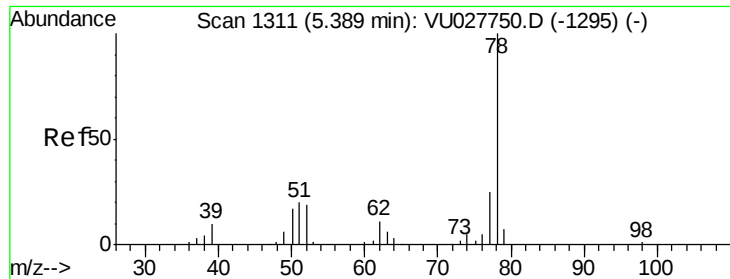
10/24/2018 2:19:19 PM



#34
Propionitrile
Concen: 68.002 ug/l
RT: 4.35 min Scan# 989
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion:	54	Resp:	27523
Ion	Ratio	Lower	Upper
54	100		
52	19.8	15.5	23.3
55	13.0	12.6	18.8
40	7.8	6.1	9.1





#35

Benzene

Concen: 14.102 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 78 Resp: 243834

Ion Ratio Lower Upper

78 100

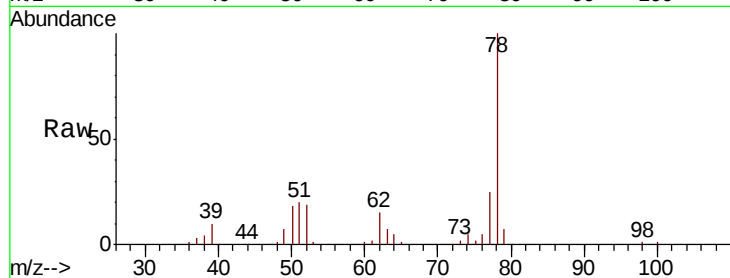
77 24.7 19.9 29.9

Manual Integrations

APPROVED

sam

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Abundance Ion 78.10 (77.80 to 78.80): VU027751.D (-1295) (-)

Ion 77.00 (76.70 to 77.70): VU027751.D (-1295) (-)

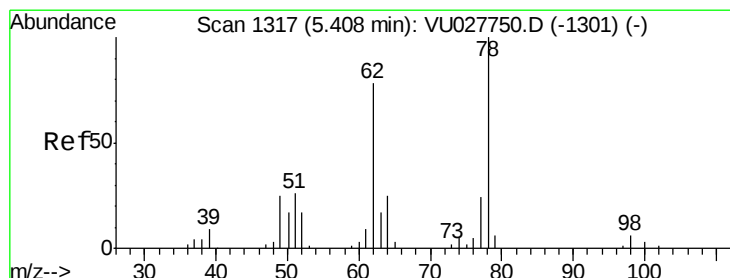
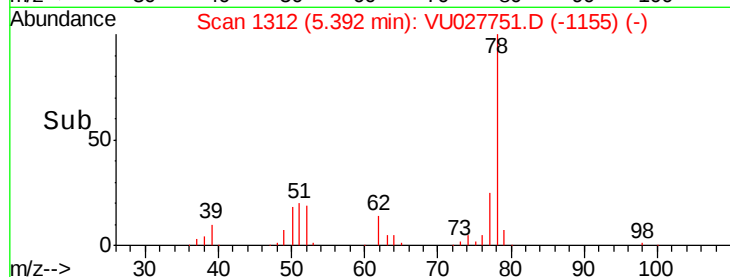
5.39

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 14.703 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU027751.D

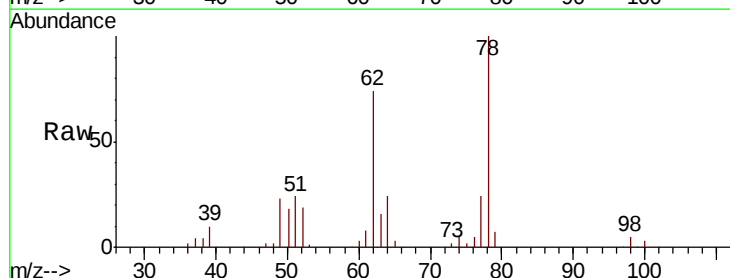
Acq: 22 Oct 2018 19:57

Tgt Ion: 62 Resp: 81056

Ion Ratio Lower Upper

62 100

98 7.1 5.8 8.6



Abundance Ion 62.00 (61.70 to 62.70): VU027751.D (-1301) (-)

Ion 98.00 (97.70 to 98.70): VU027751.D (-1301) (-)

5.41

40000

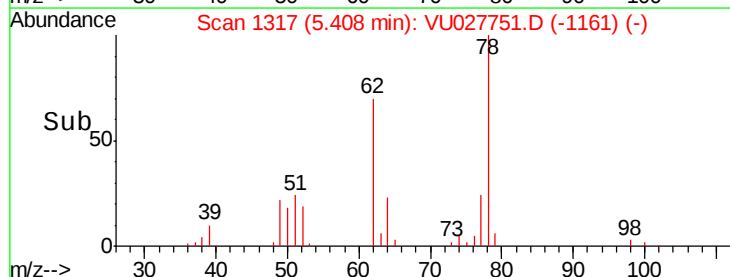
30000

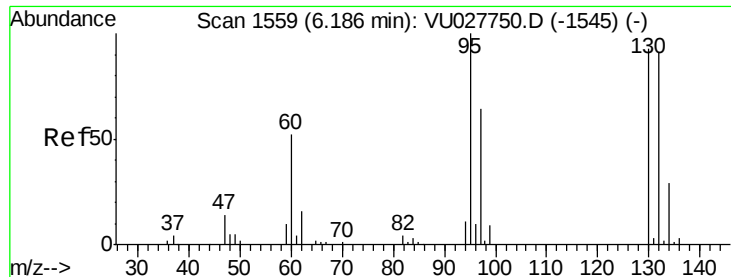
20000

10000

0

Time-->





#37
 Trichloroethene
 Concen: 13.818 ug/l
 RT: 6.19 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

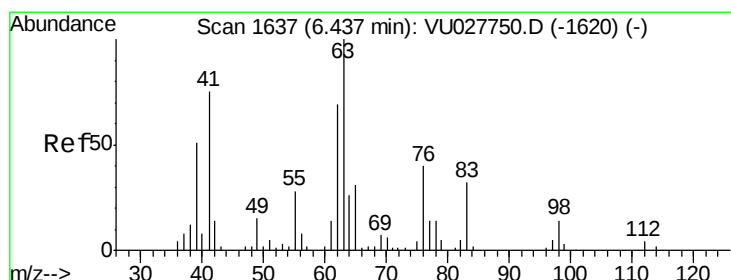
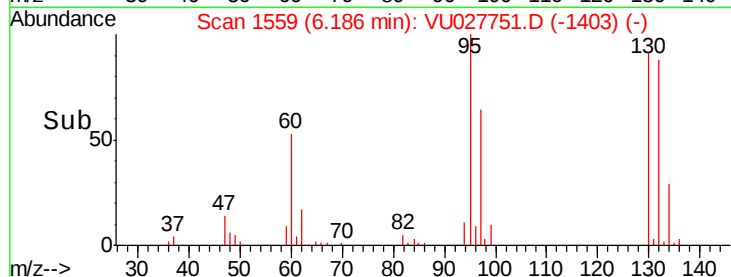
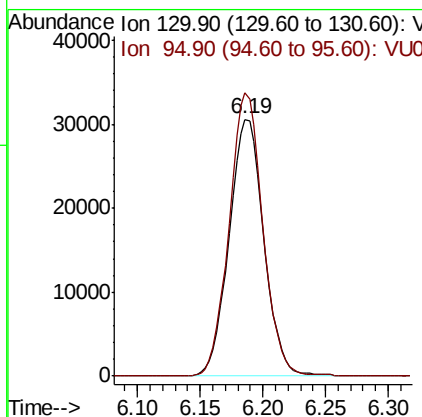
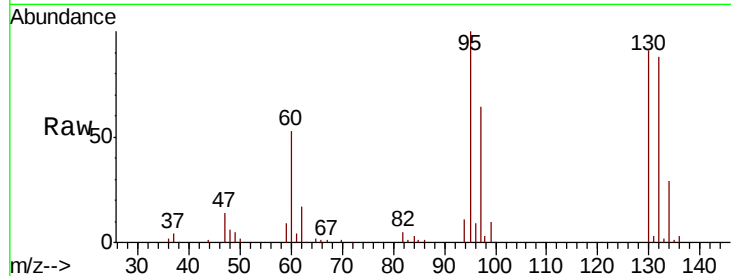
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion:130 Resp: 58852
 Ion Ratio Lower Upper
 130 100
 95 110.1 86.4 129.6

Manual Integrations
 APPROVED

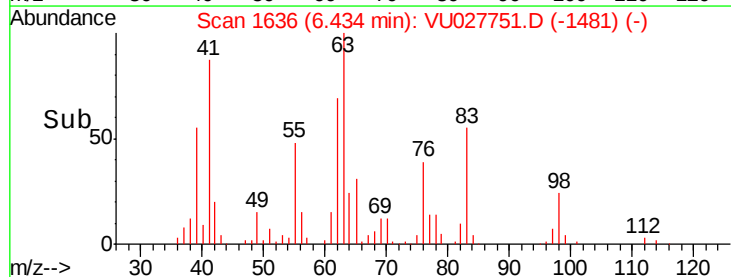
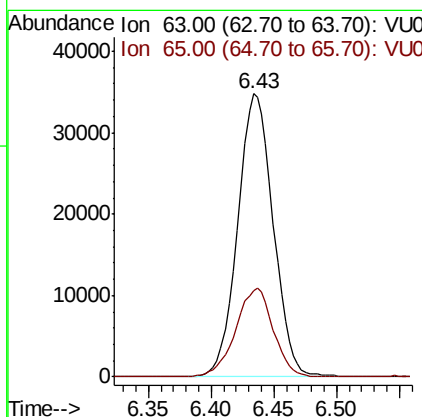
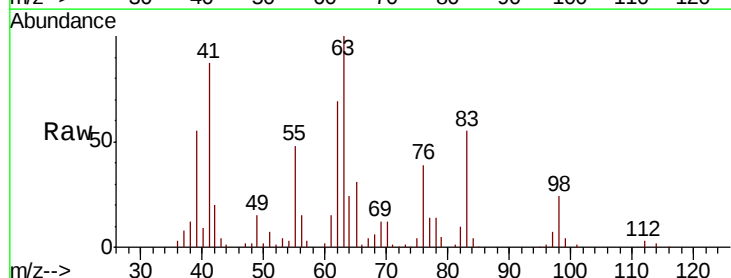
sam

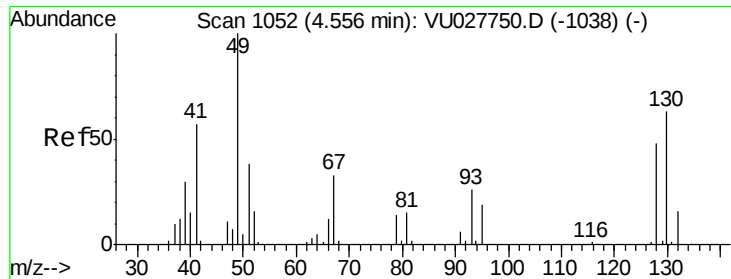
10/24/2018 2:19:19 PM



#38
 1,2-Dichloropropane
 Concen: 14.024 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

Tgt Ion: 63 Resp: 68404
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.9 37.3





#39
Methacrylonitrile
Concen: 14.094 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

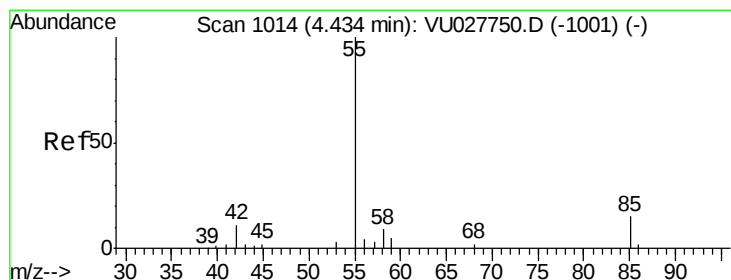
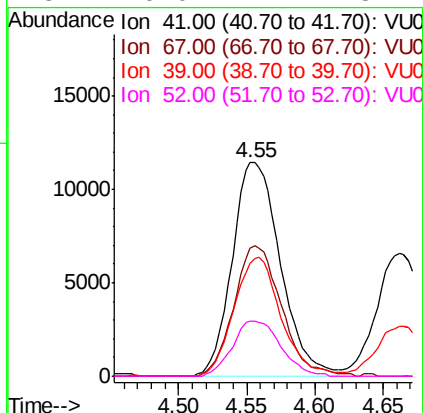
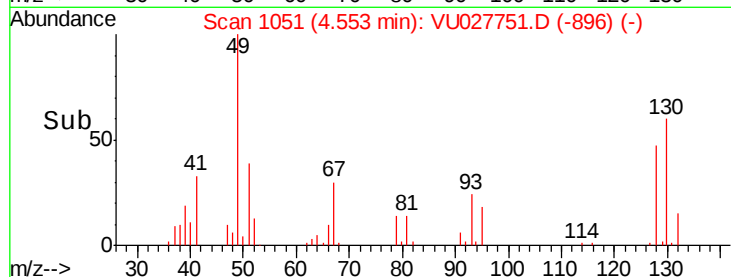
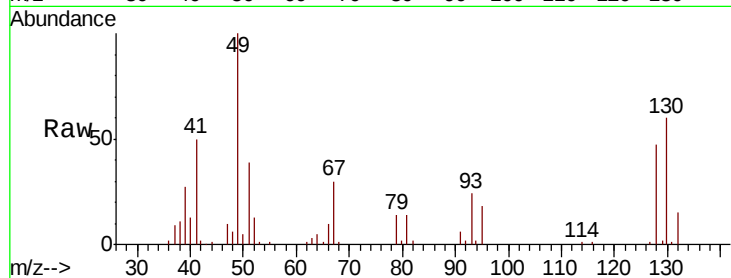
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	41	Resp	28102
Ion	Ratio	Lower	Upper
41	100		
67	60.0	46.1	69.1
39	54.3	43.6	65.4
52	26.0	21.4	32.2

Manual Integrations
APPROVED

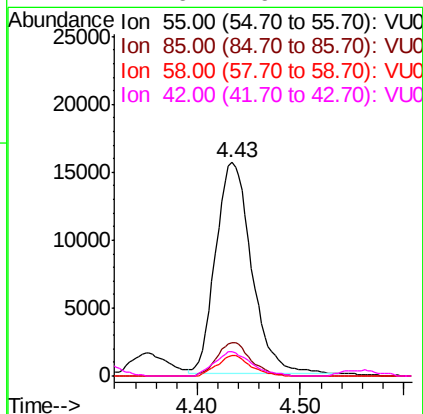
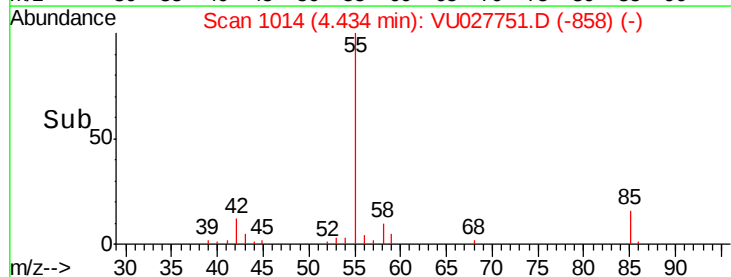
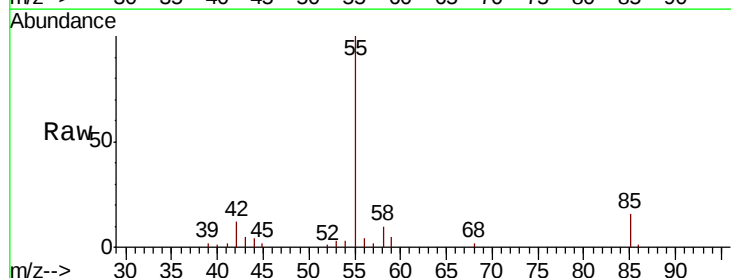
sam

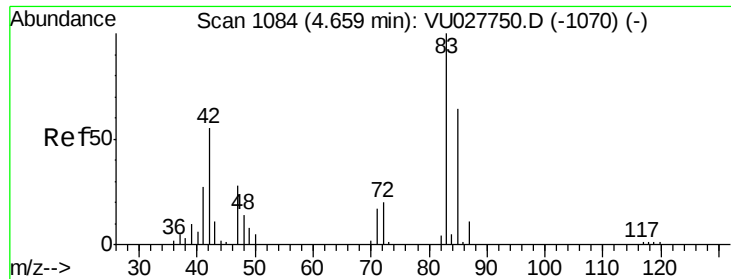
10/24/2018 2:19:19 PM



#40
Methyl acrylate
Concen: 13.924 ug/l
RT: 4.43 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion	55	Resp	37673
Ion	Ratio	Lower	Upper
55	100		
85	14.9	11.8	17.6
58	9.0	7.0	10.4
42	11.6	9.4	14.2





#41
Tetrahydrofuran
Concen: 26.643 ug/l
RT: 4.66 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

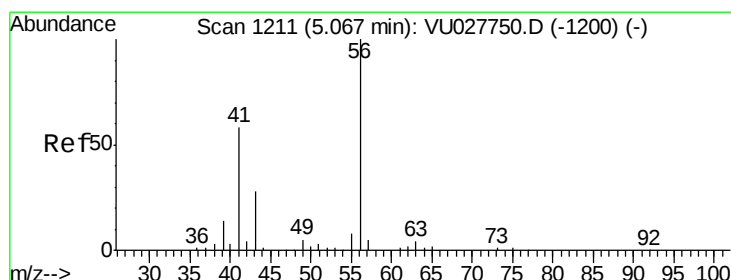
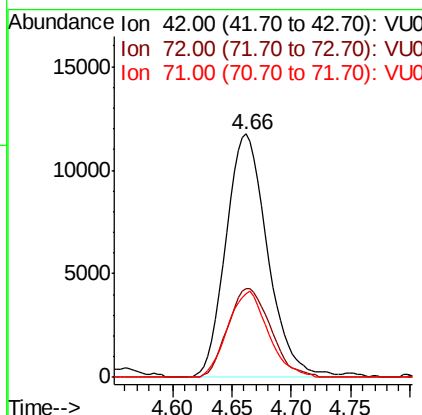
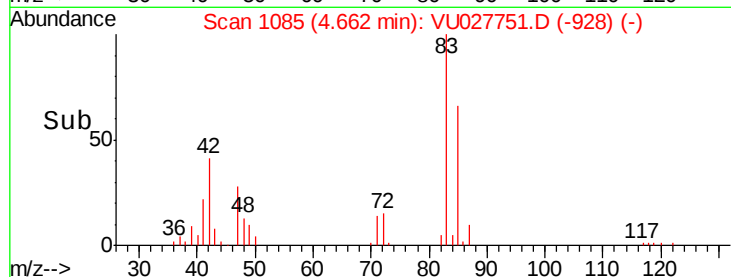
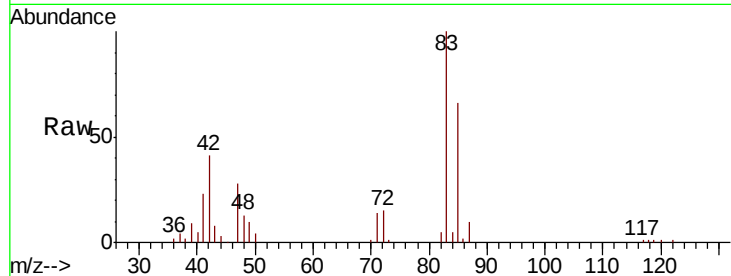
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion:	42	Resp:	28536
Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.6	45.8
71	34.2	25.2	37.8

Manual Integrations
APPROVED

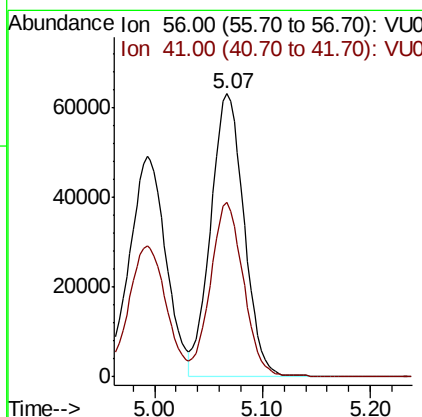
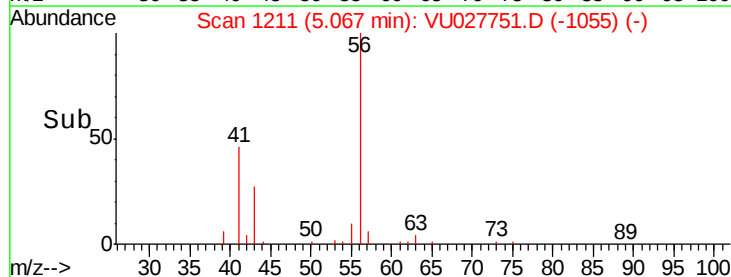
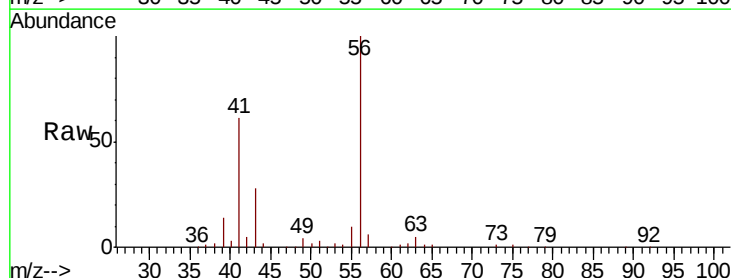
sam

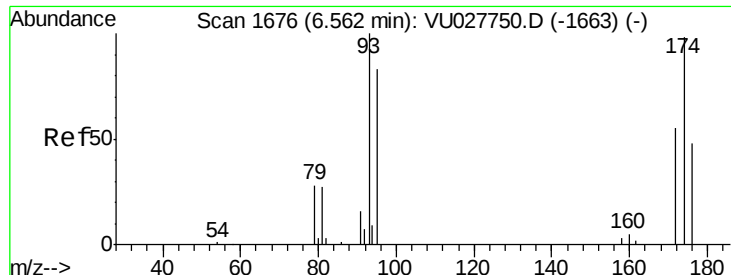
10/24/2018 2:19:19 PM



#42
1-Chlorobutane
Concen: 14.143 ug/l
RT: 5.07 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion:	56	Resp:	136035
Ion	Ratio	Lower	Upper
56	100		
41	59.6	29.4	88.2





#43

Dibromomethane

Concen: 14.657 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

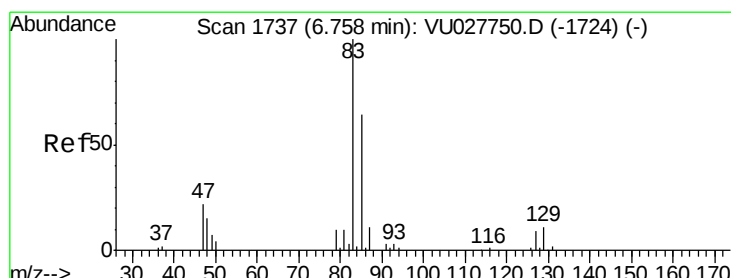
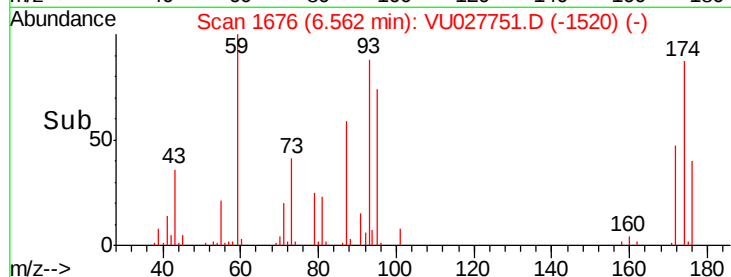
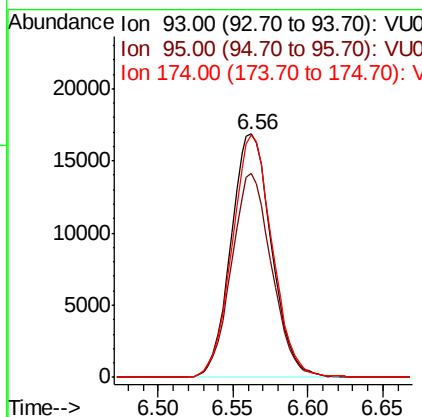
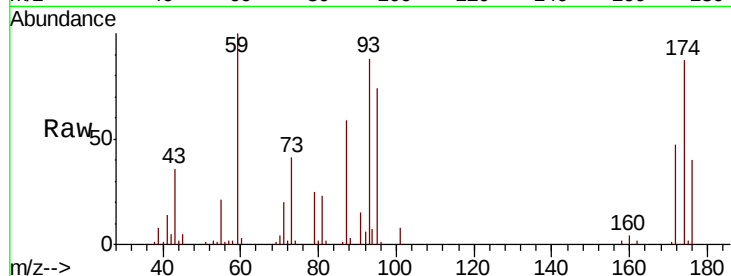
VSTDIC015

Tot Ion:	93	Resp:	31847
Ion	Ratio	Lower	Upper
93	100		
95	82.8	64.2	96.2
174	98.6	76.7	115.1

Manual Integrations
APPROVED

sam

10/24/2018 2:19:19 PM



#44

Bromodichloromethane

Concen: 14.790 ug/l

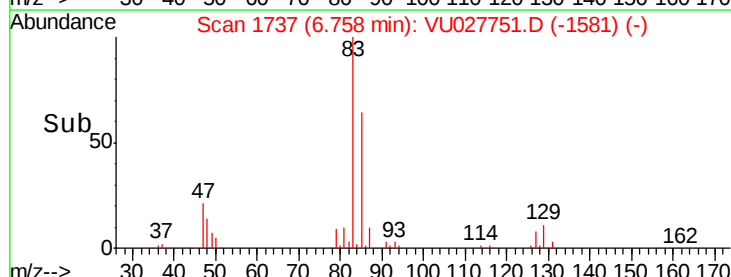
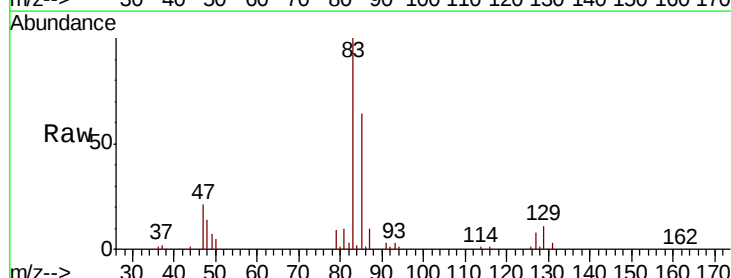
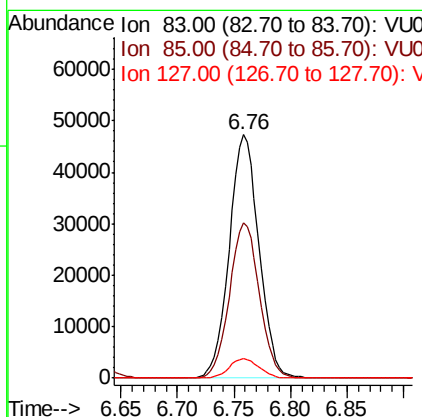
RT: 6.76 min Scan# 1737

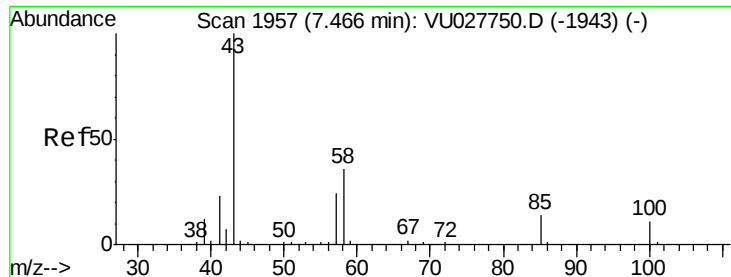
Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Tgt Ion:	83	Resp:	86323
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3
127	7.8	7.0	10.4





#45
4-Methyl-2-Pentanone
Concen: 69.766 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

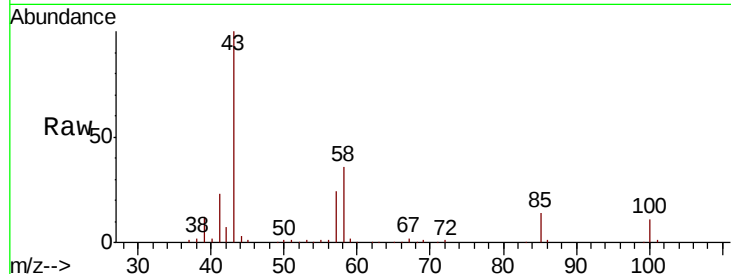
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion:	43	Resp:	256532
Ion	Ratio	Lower	Upper
43	100		
58	35.9	17.9	53.8
85	13.9	11.4	17.0

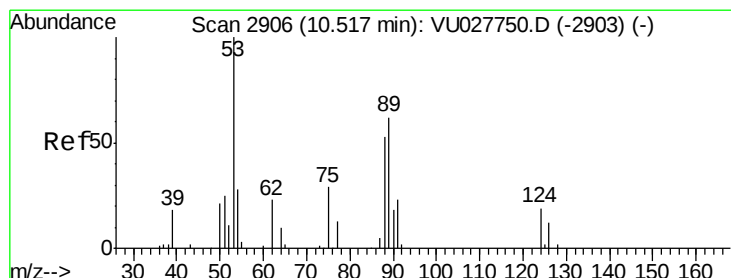
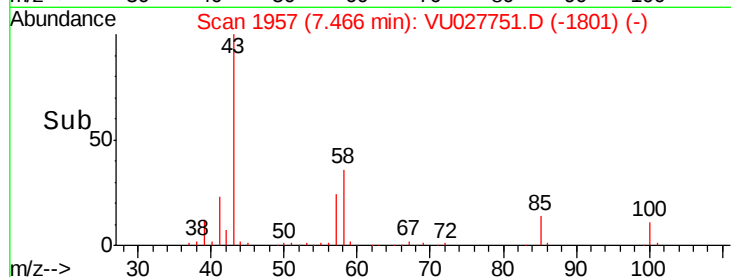
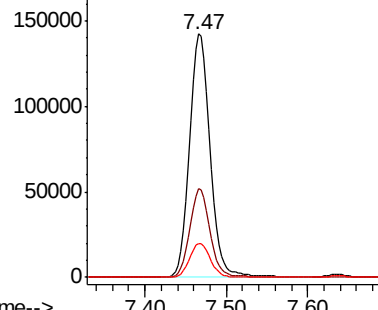
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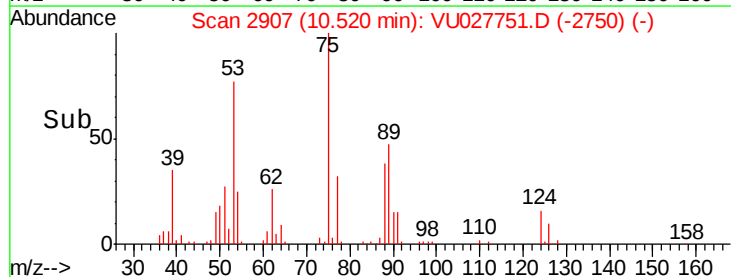
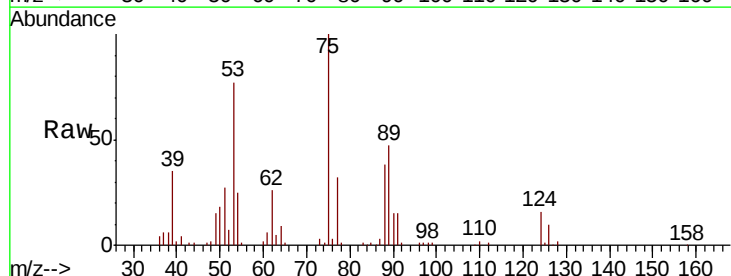
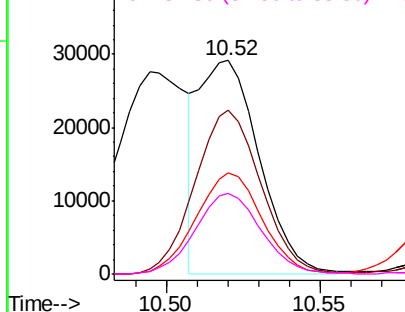
Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

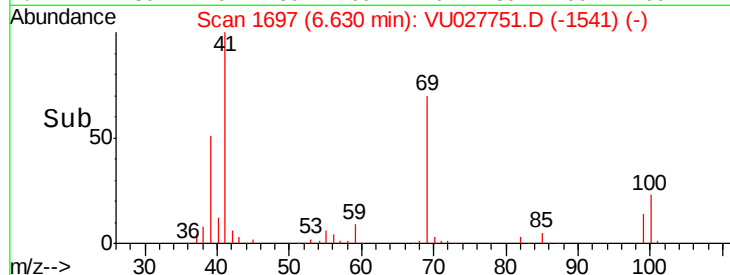
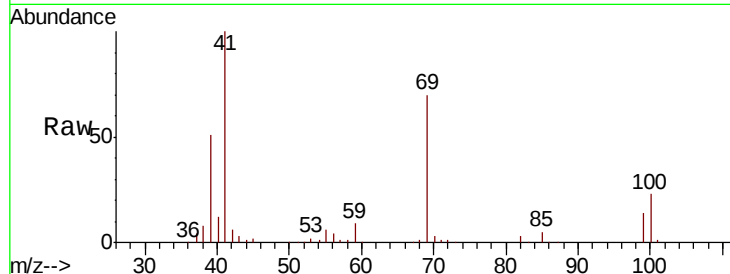
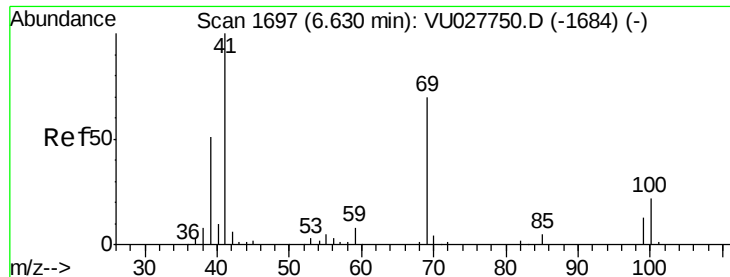


#46
t-1,4-Dichloro-2-butene
Concen: 29.062 ug/l m
RT: 10.52 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion:	75	Resp:	39510
Ion	Ratio	Lower	Upper
75	100		
53	84.7	68.2	102.4
89	52.2	41.8	62.6
88	41.5	33.8	50.8

Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0





#47
Methyl methacrylate
Concen: 28.117 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

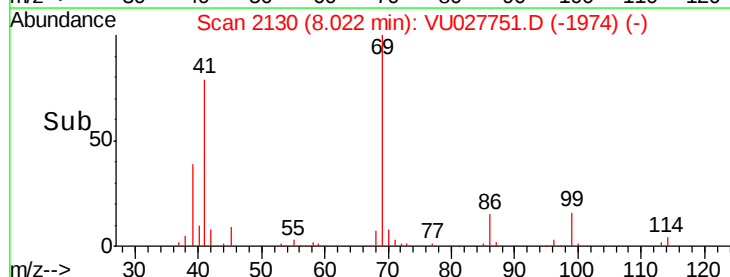
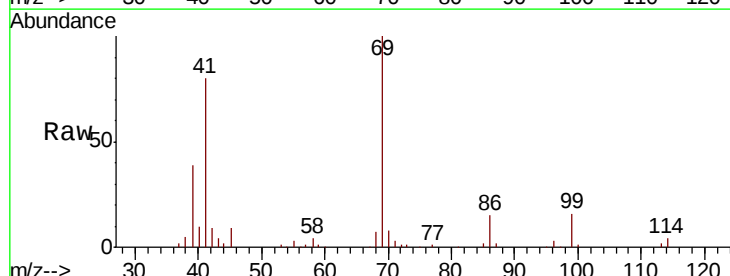
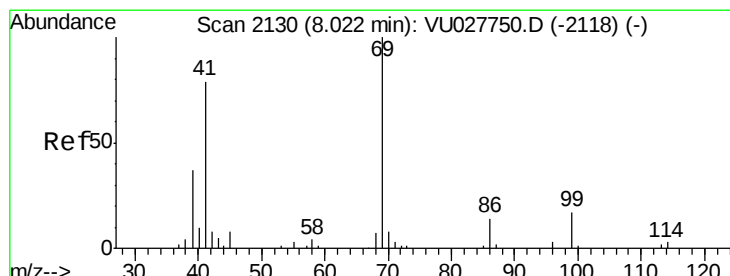
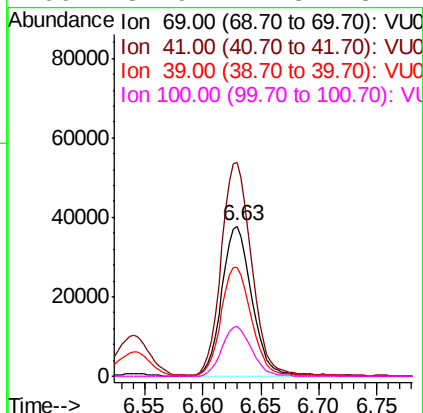
Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	142.6	0.0	281.2	
39	72.8	58.6	88.0	
100	32.9	24.8	37.2	

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

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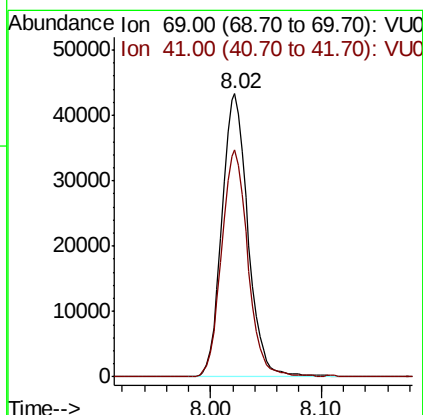
sam

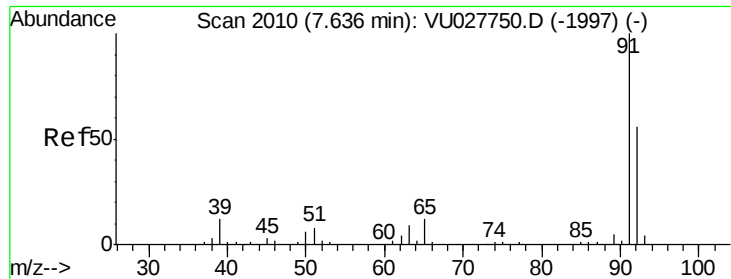
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#48
Ethyl methacrylate
Concen: 13.835 ug/l
RT: 8.02 min Scan# 2130
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	80.8	39.1	117.2	





#49

Toluene

Concen: 13.989 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 92 Resp: 146379

Ion Ratio Lower Upper

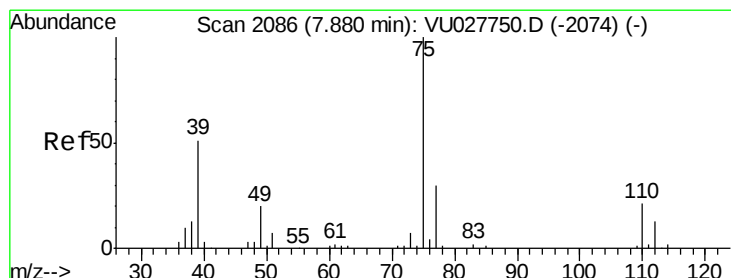
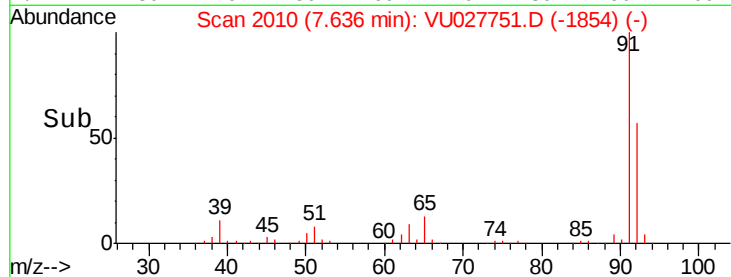
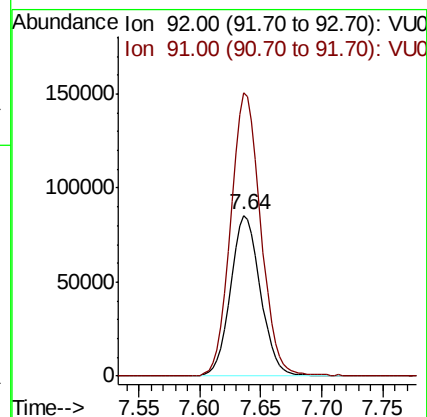
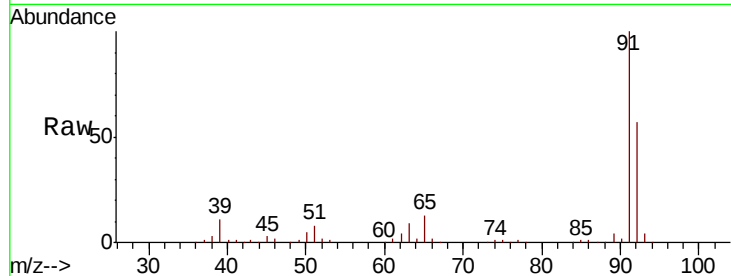
92 100

91 177.5 141.8 212.8

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#50

t-1,3-Dichloropropene

Concen: 14.550 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027751.D

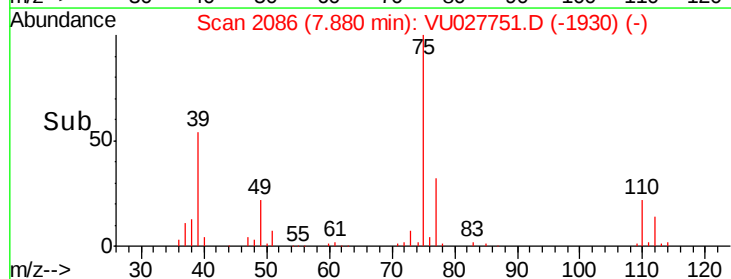
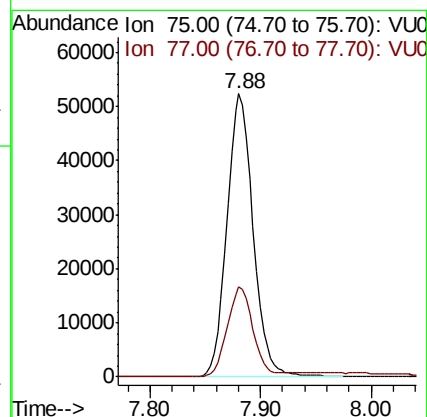
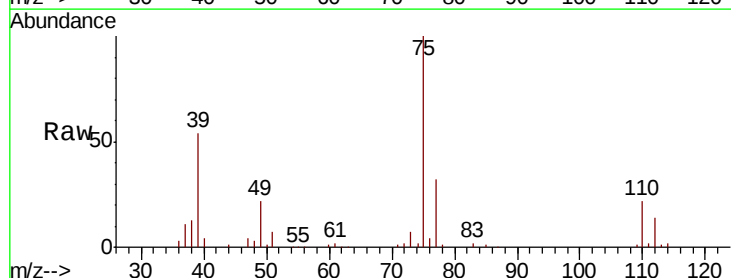
Acq: 22 Oct 2018 19:57

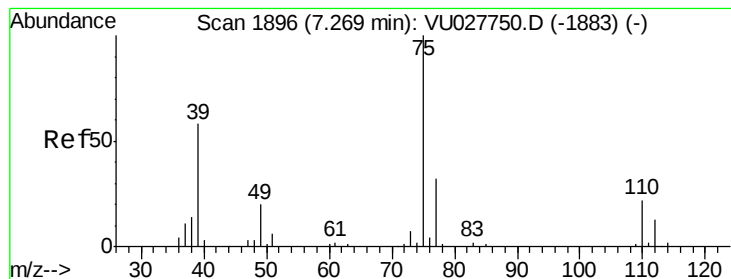
Tgt Ion: 75 Resp: 86279

Ion Ratio Lower Upper

75 100

77 31.6 24.1 36.1





#51

cis-1,3-Dichloropropene
 Concen: 14.405 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

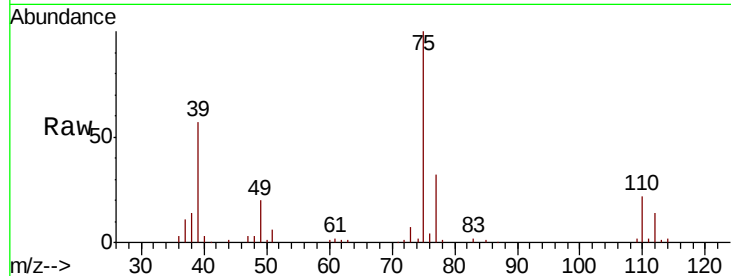
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion:	75	Resp:	101326
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9
39	56.7	46.4	69.6

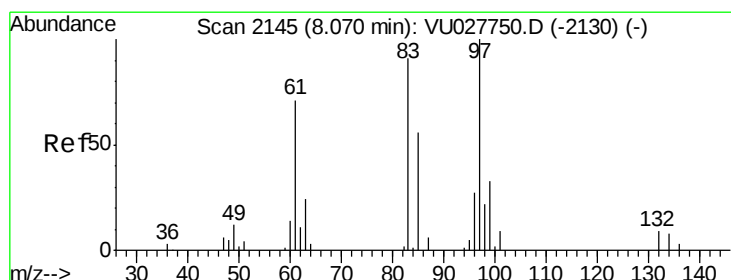
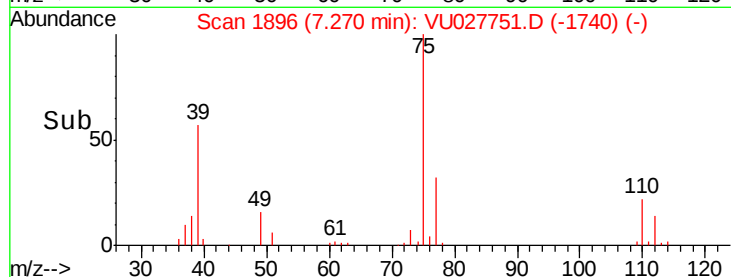
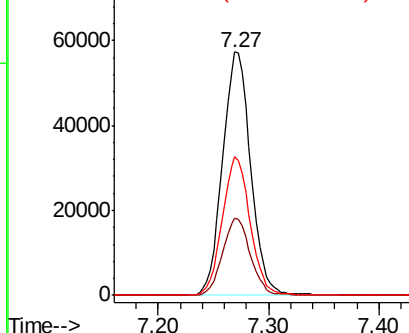
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Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

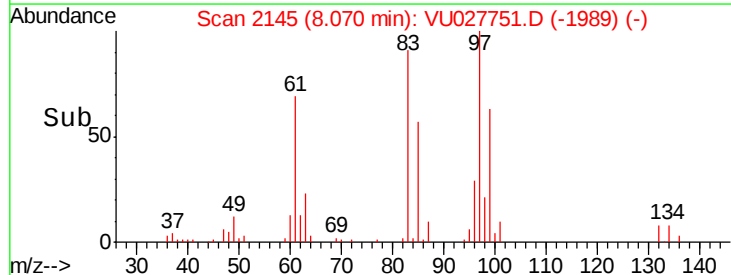
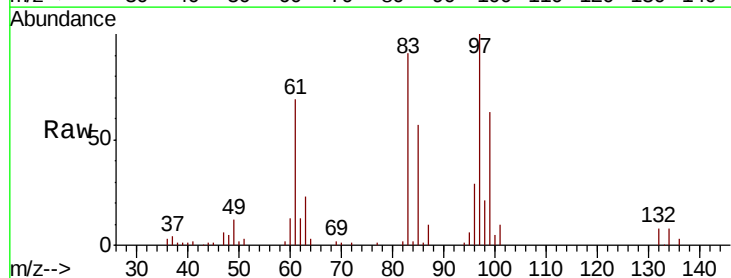
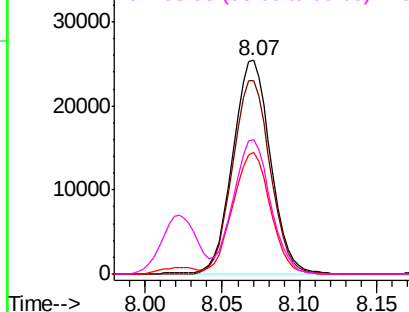


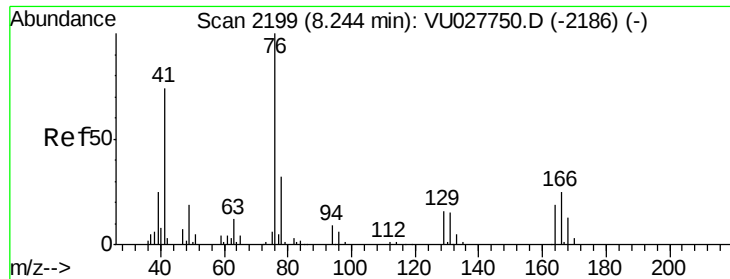
#52

1,1,2-Trichloroethane
 Concen: 14.039 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

Tgt Ion:	97	Resp:	43126
Ion	Ratio	Lower	Upper
97	100		
83	90.6	73.0	109.6
85	56.8	46.5	69.7
99	62.9	49.8	74.8

Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0





#53
 1,3-Dichloropropane
 Concen: 14.237 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

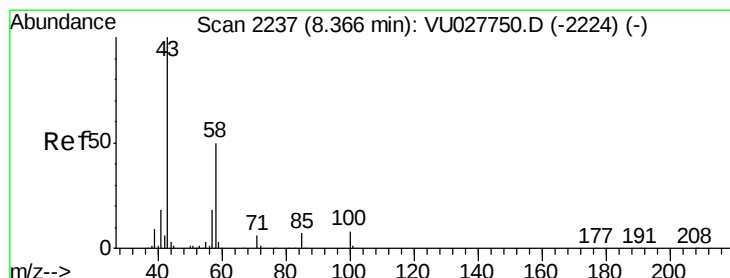
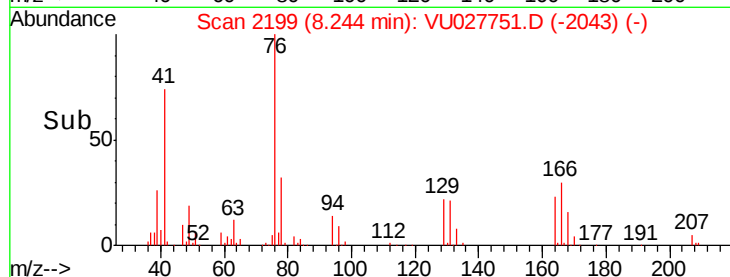
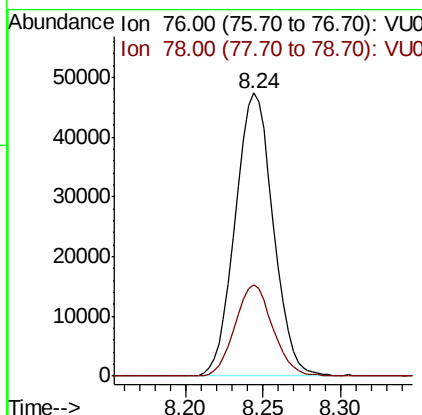
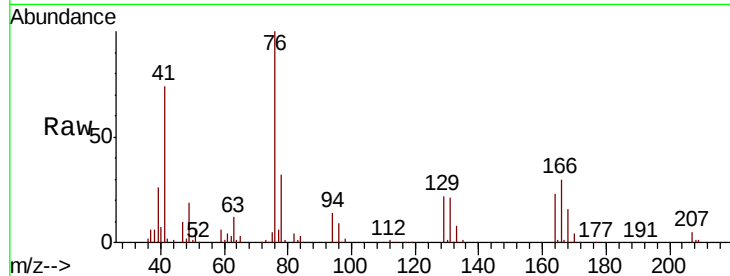
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.4	38.0

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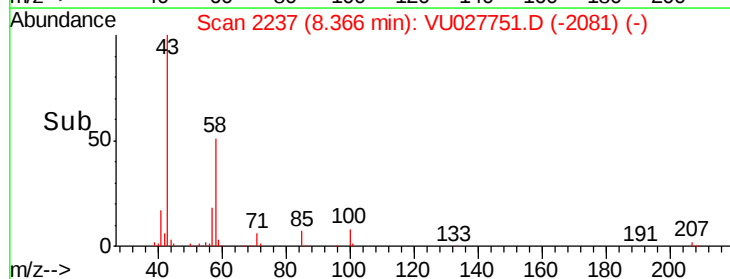
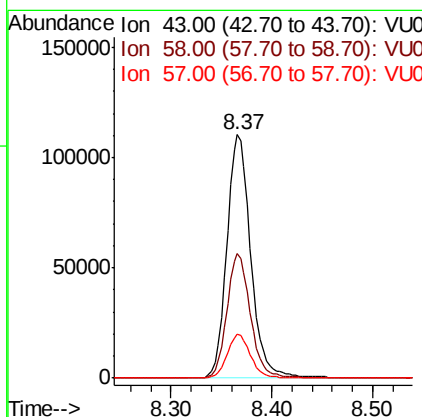
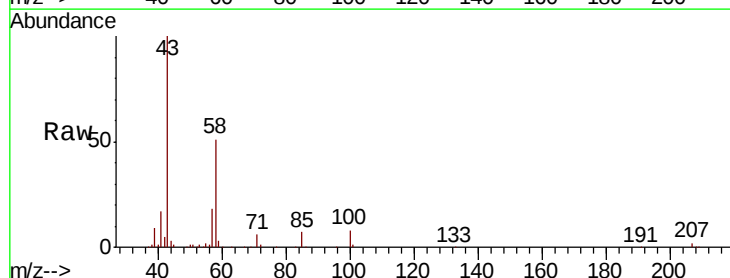
sam

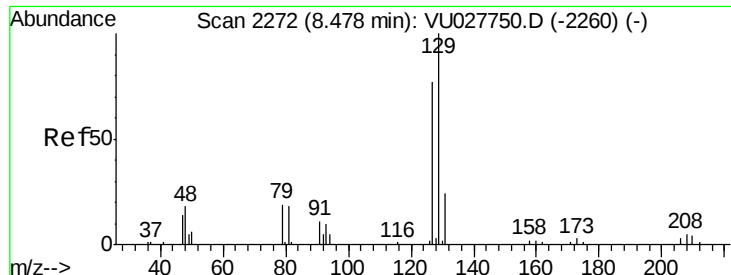
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#54
 2-Hexanone
 Concen: 67.496 ug/l
 RT: 8.37 min Scan# 2237
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.2	30.0	70.0
57	17.7	0.0	37.7





#55
 Dibromochloromethane
 Concen: 14.726 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

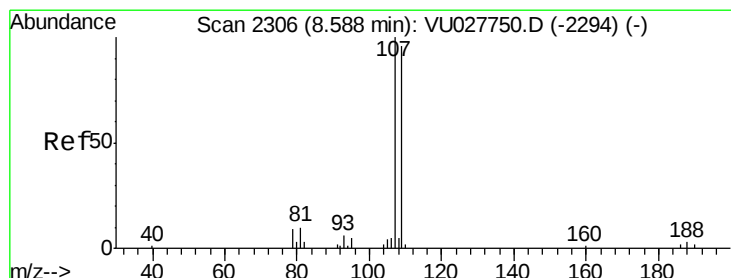
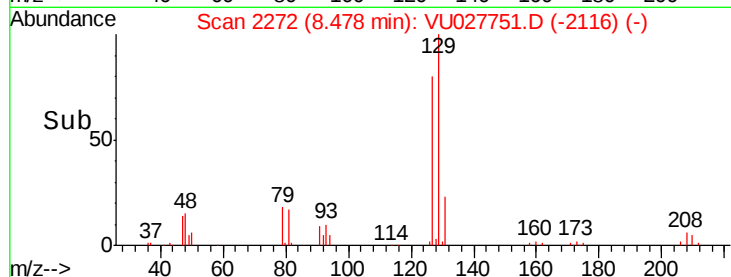
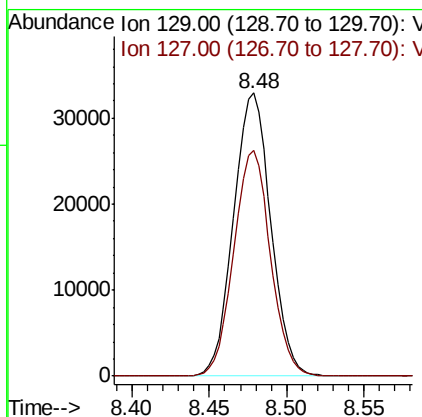
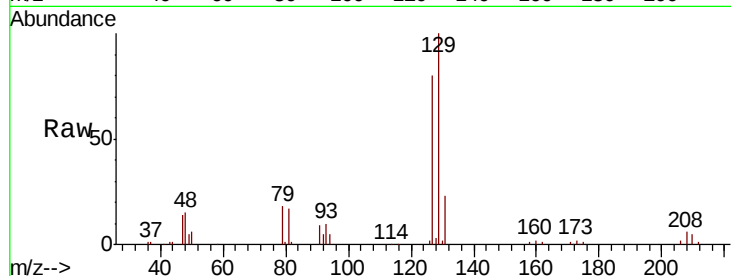
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		55069		
127	78.5	61.9	92.9		

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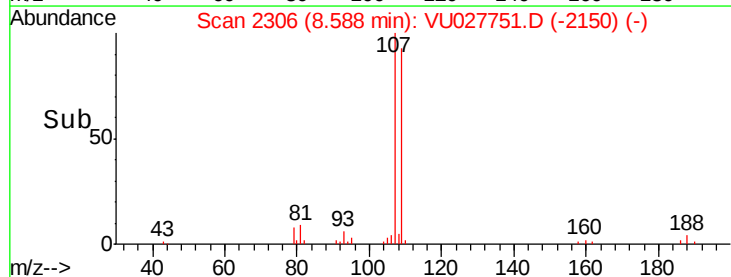
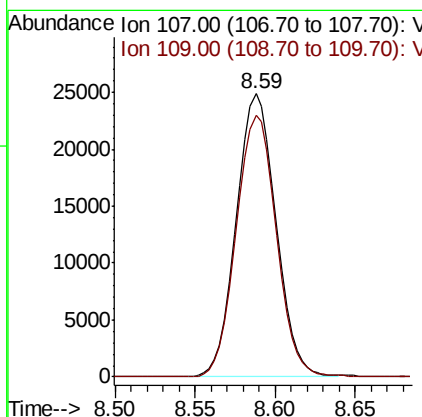
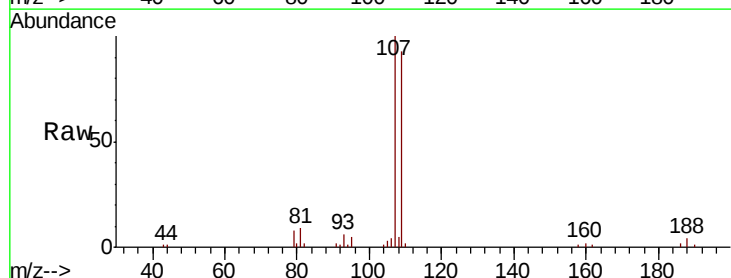
sam

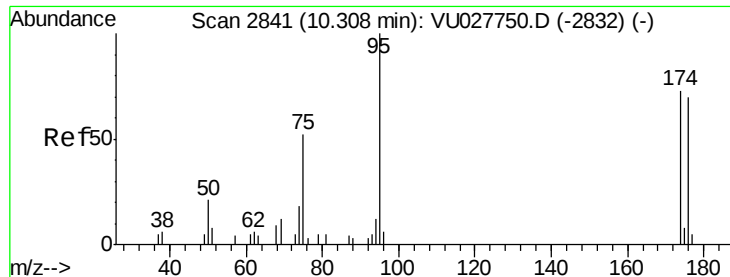
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#56
 1,2-Dibromoethane
 Concen: 14.471 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		41969		
109	93.7	0.0	188.4		





#57

4-Bromofluorobenzene

Concen: 14.471 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

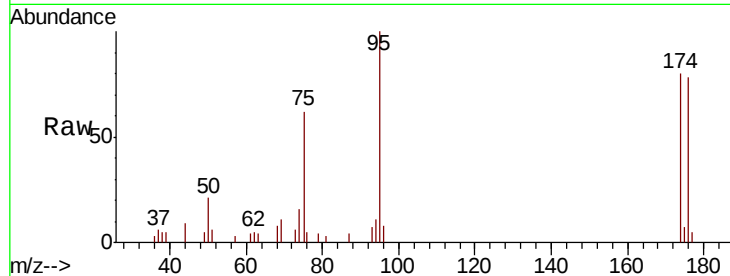
VSTDIC015

Tot Ion:	95	Resp:	5323
Ion	Ratio	Lower	Upper
95	100		
174	79.3	64.5	96.7
176	78.5	58.3	87.5

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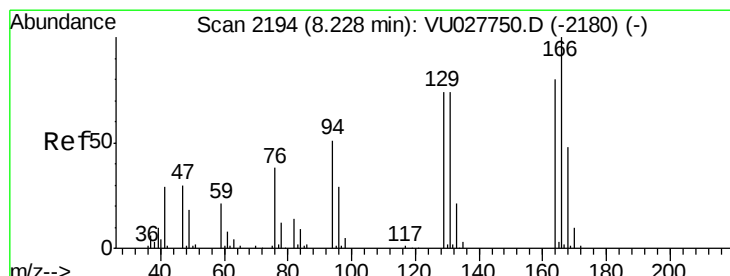
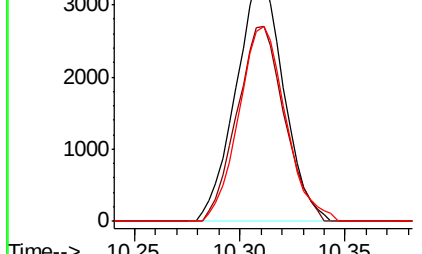
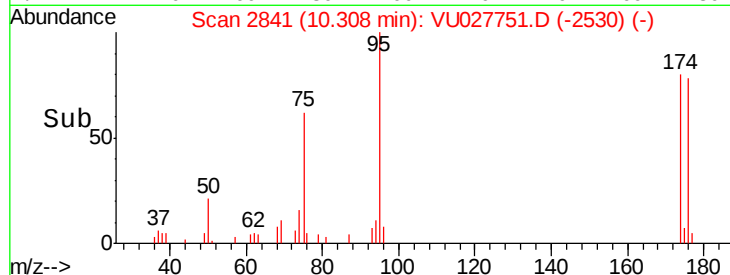


Abundance Ion 95.00 (94.70 to 95.70): VU027751.D (-2530) (-)

Ion 174.00 (173.70 to 174.70): VU027751.D (-2530) (-)

Ion 176.00 (175.70 to 176.70): VU027751.D (-2530) (-)

Time-->



#58

Tetrachloroethene

Concen: 14.312 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Tgt Ion:	164	Resp:	55161
Ion	Ratio	Lower	Upper
164	100		
166	128.5	100.2	150.4
129	92.9	73.7	110.5
131	91.1	73.8	110.6

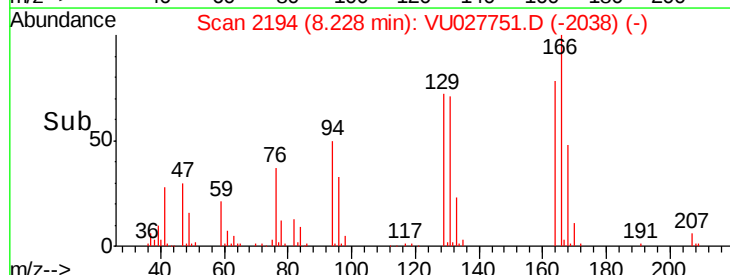
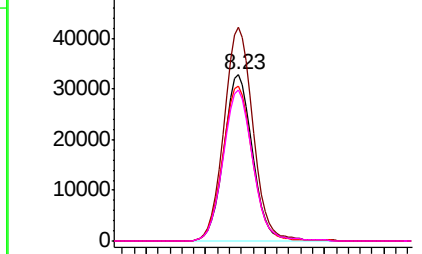
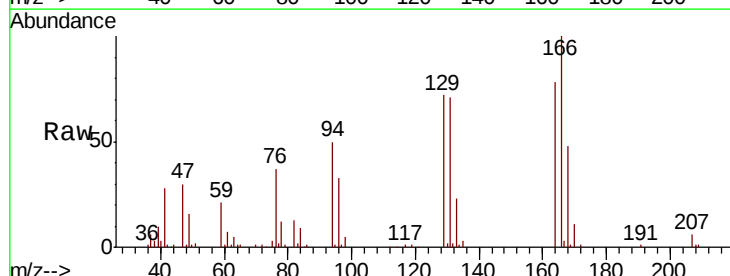
Abundance Ion 163.85 (163.55 to 164.55): VU027751.D (-2038) (-)

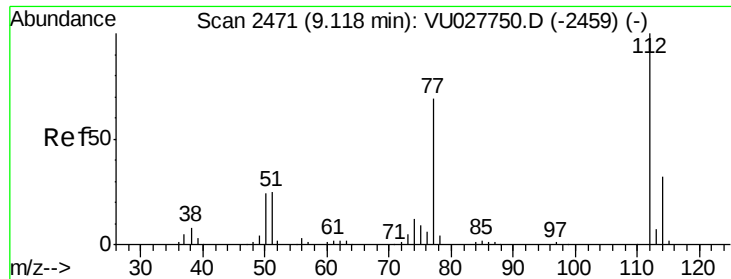
Ion 165.80 (165.50 to 166.50): VU027751.D (-2038) (-)

Ion 128.90 (128.60 to 129.60): VU027751.D (-2038) (-)

Ion 130.90 (130.60 to 131.60): VU027751.D (-2038) (-)

Time-->





#59
Chlorobenzene
Concen: 14.282 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

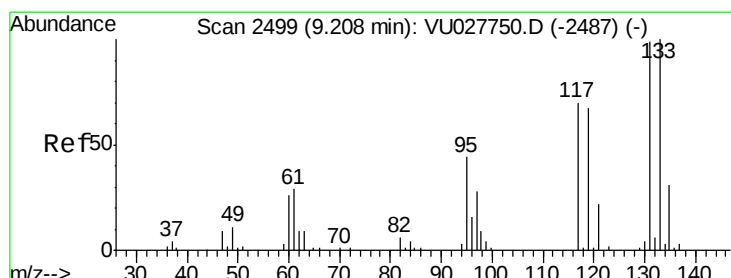
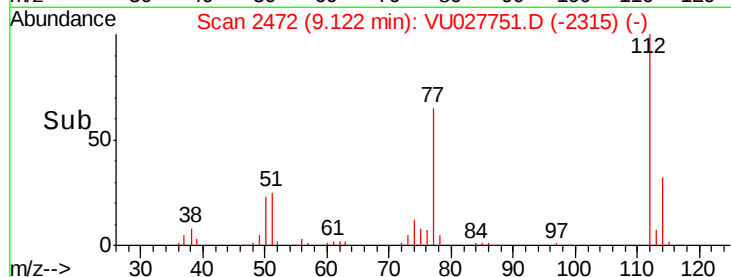
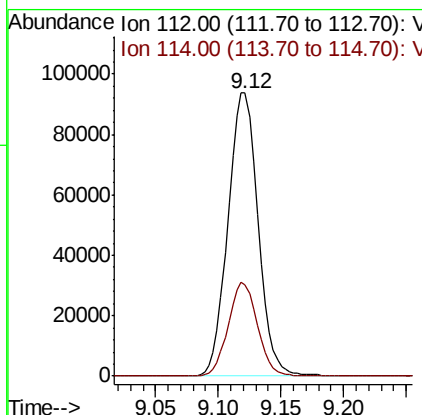
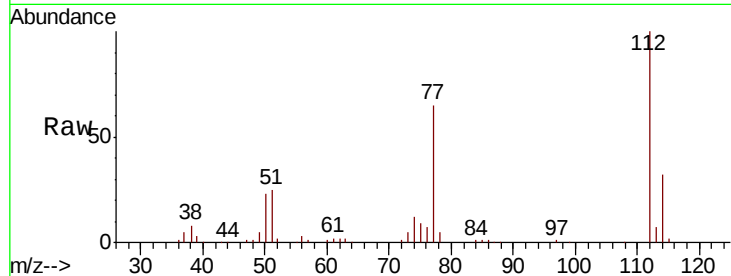
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion:112 Resp: 156619
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

Manual Integrations
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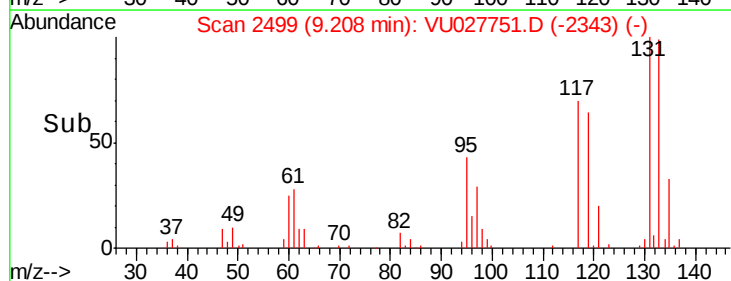
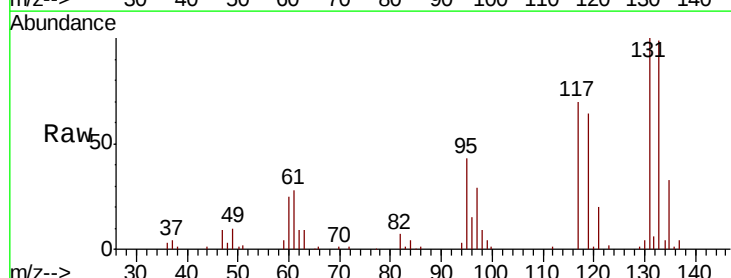
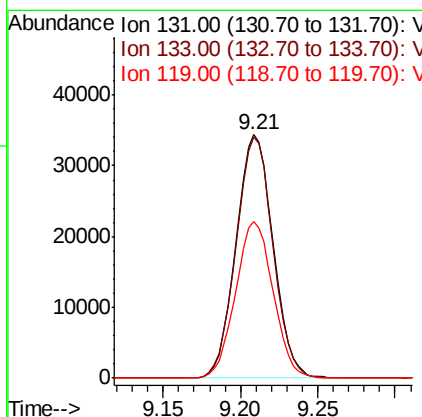
sam

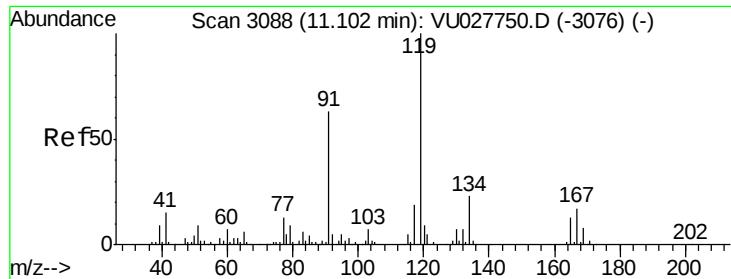
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#60
1,1,1,2-Tetrachloroethane
Concen: 14.395 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion:131 Resp: 57234
Ion Ratio Lower Upper
131 100
133 98.4 77.5 116.3
119 65.0 52.0 78.0





#61
Pentachloroethane
Concen: 14.698 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

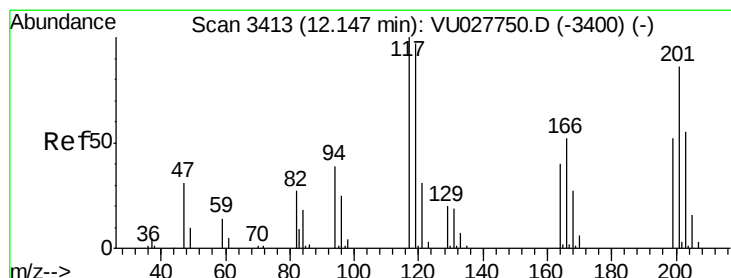
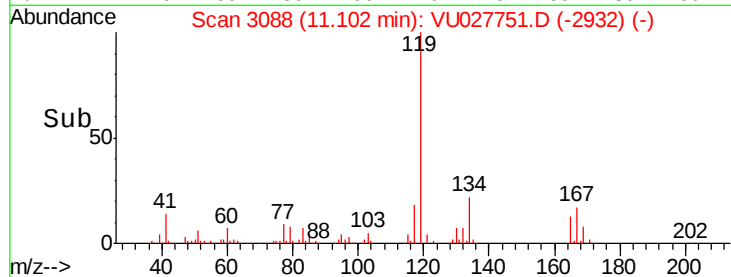
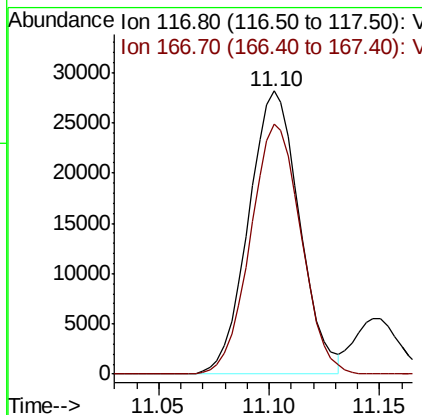
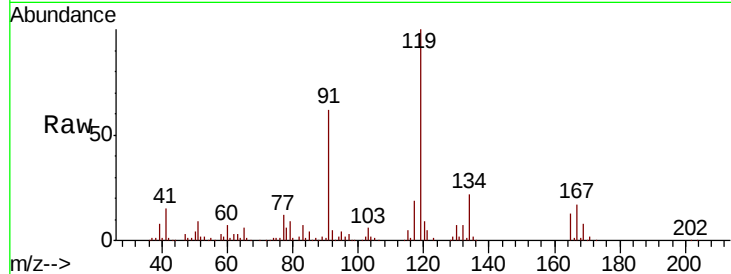
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion:117 Resp: 45230
Ion Ratio Lower Upper
117 100
167 87.6 70.1 105.1

Manual Integrations
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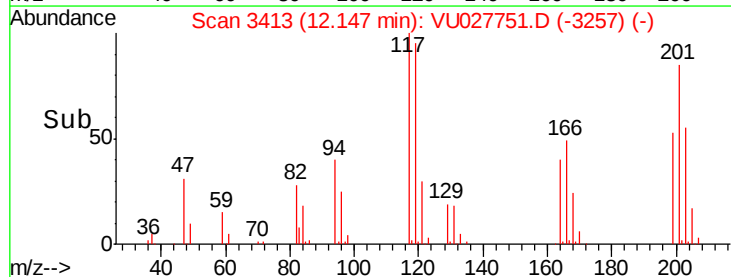
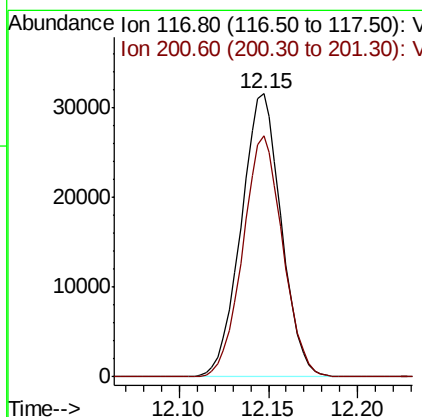
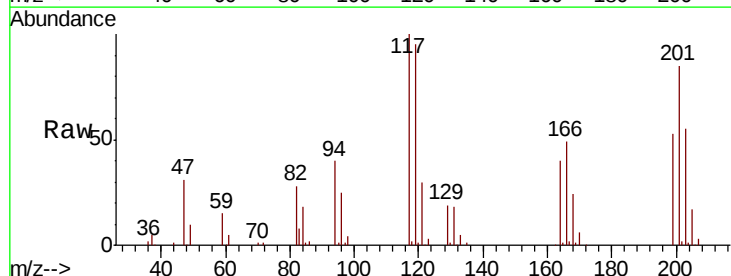
sam

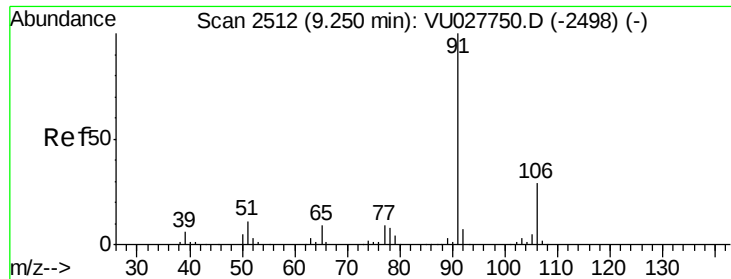
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#62
Hexachloroethane
Concen: 14.989 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion:117 Resp: 49698
Ion Ratio Lower Upper
117 100
201 84.7 66.0 99.0





#63
Ethyl Benzene
Concen: 14.722 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

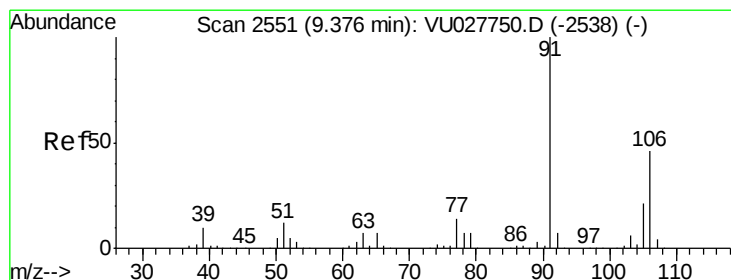
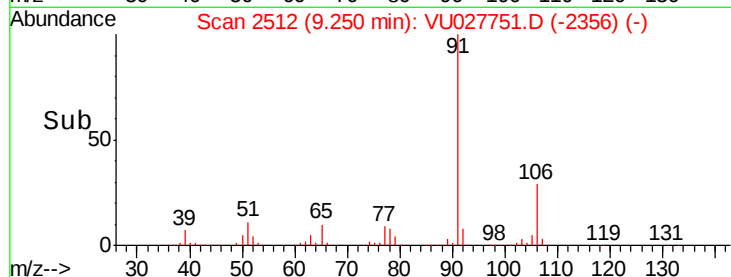
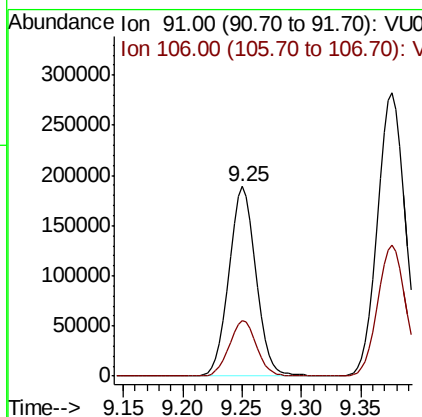
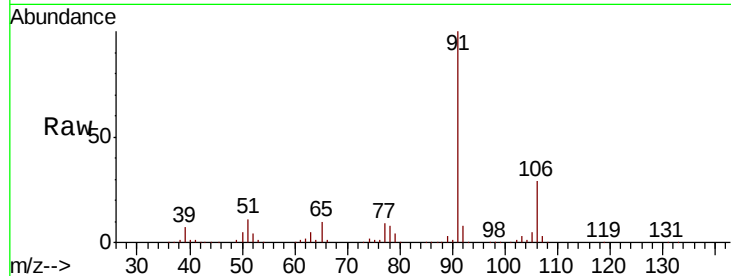
Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tot Ion: 91 Resp: 298474
Ion Ratio Lower Upper
91 100
106 29.3 23.5 35.3

Manual Integrations
APPROVED

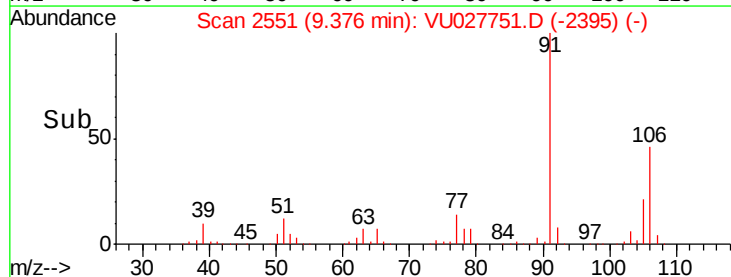
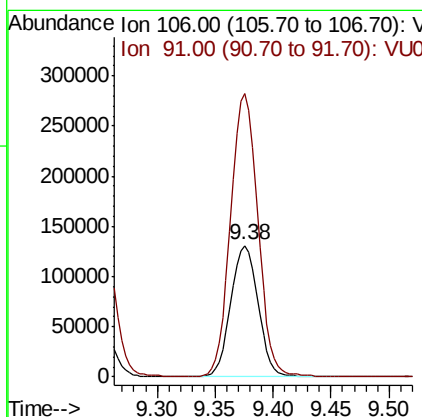
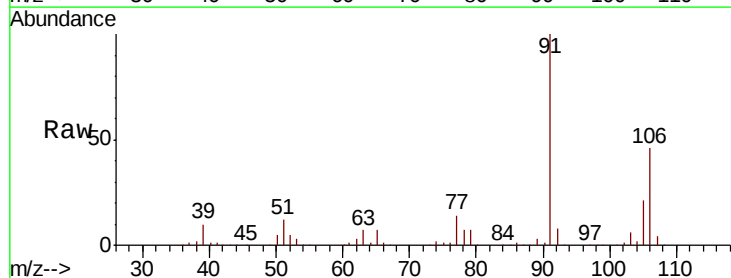
sam

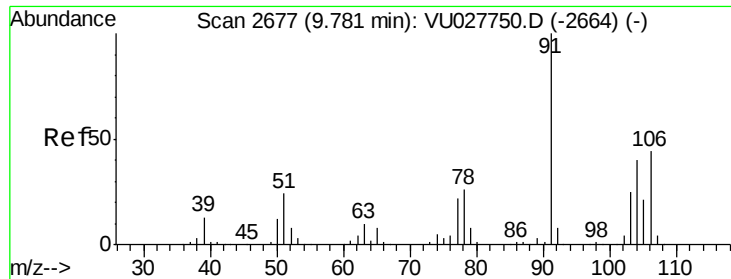
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#64
m/p-Xylenes
Concen: 29.063 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion: 106 Resp: 215427
Ion Ratio Lower Upper
106 100
91 214.8 173.3 259.9





#65
o-Xylene
Concen: 14.172 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

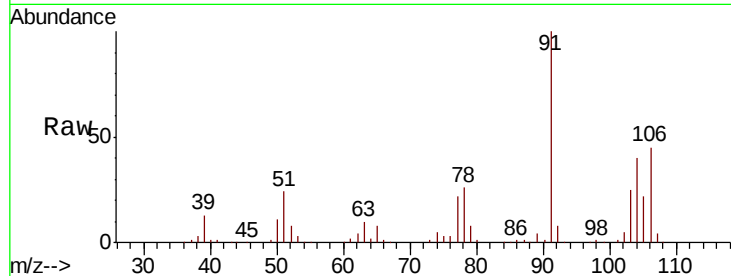
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion:106 Resp: 104864
Ion Ratio Lower Upper
106 100
91 226.6 113.4 340.2

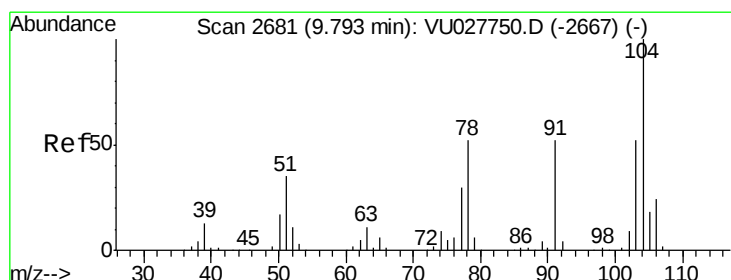
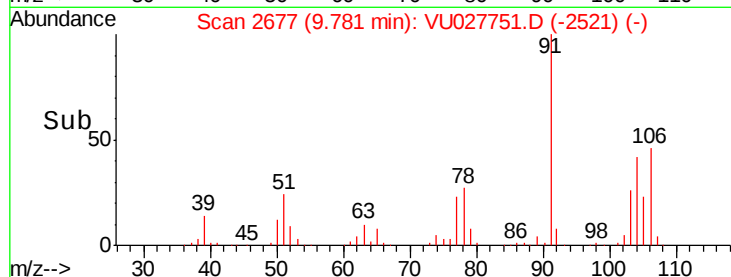
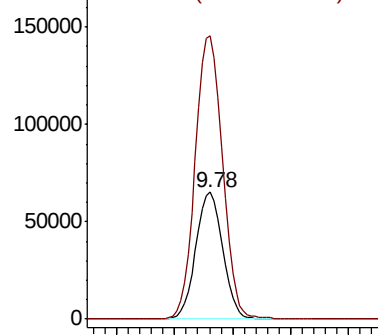
Manual Integrations
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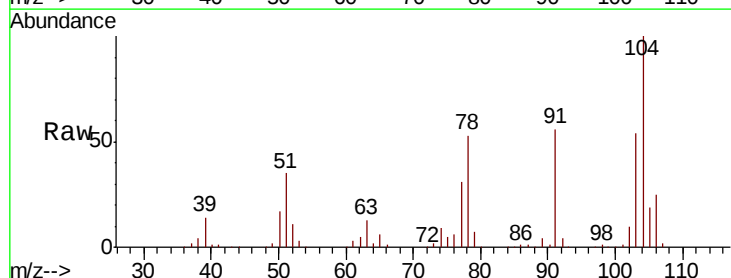


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

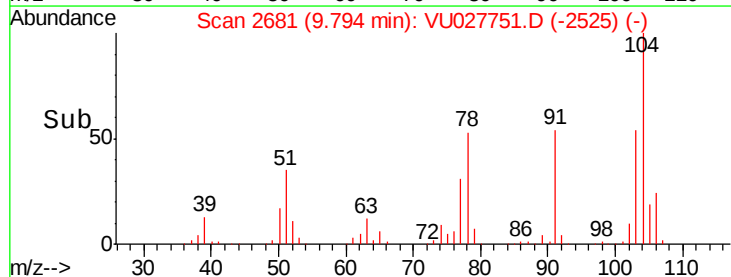
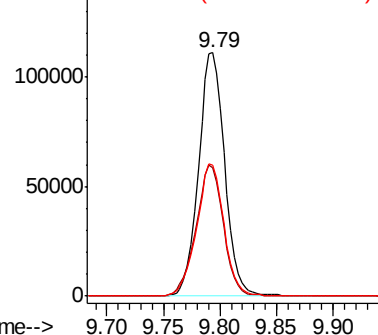


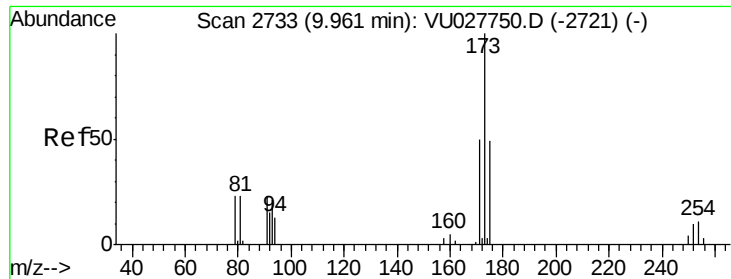
#66
Styrene
Concen: 14.558 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion:104 Resp: 178273
Ion Ratio Lower Upper
104 100
78 56.5 45.2 67.8
103 56.6 44.8 67.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67
Bromoform
Concen: 15.527 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

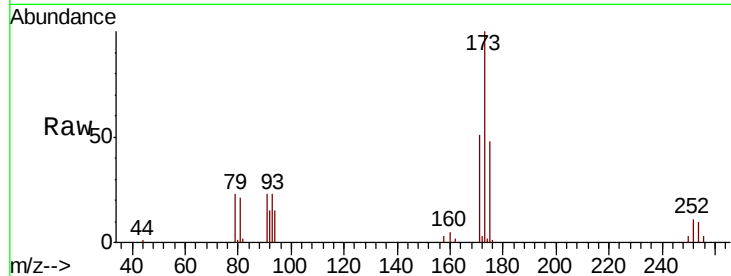
Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	39.6	59.4
254	9.8	7.8	11.6

Manual Integrations
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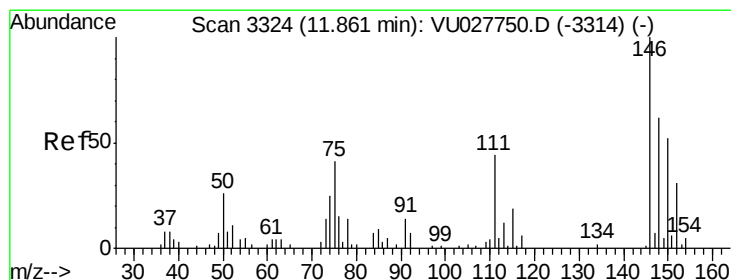
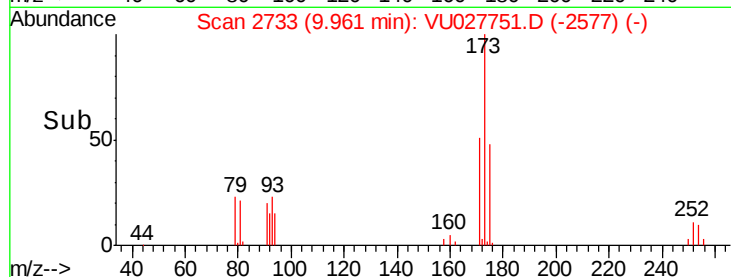
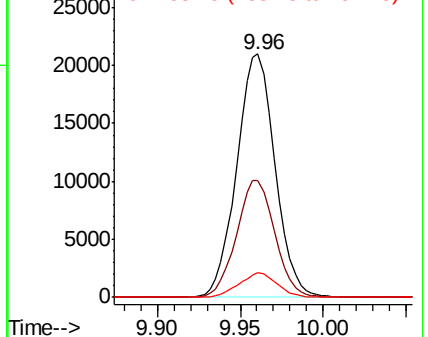


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 15.527 ug/l
RT: 11.86 min Scan# 3324
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

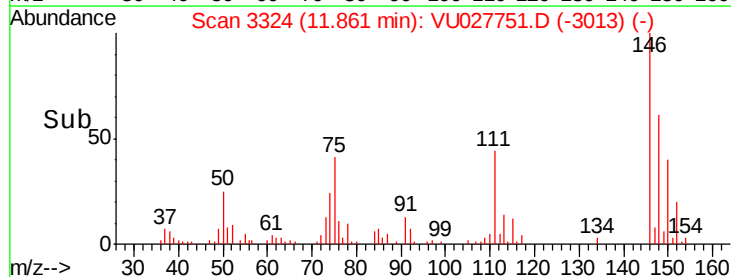
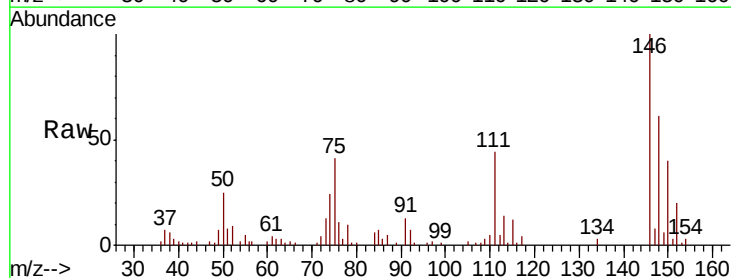
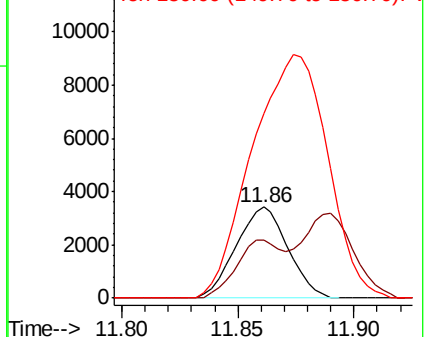
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	0.0	130.2
150	392.2	0.0	650.6

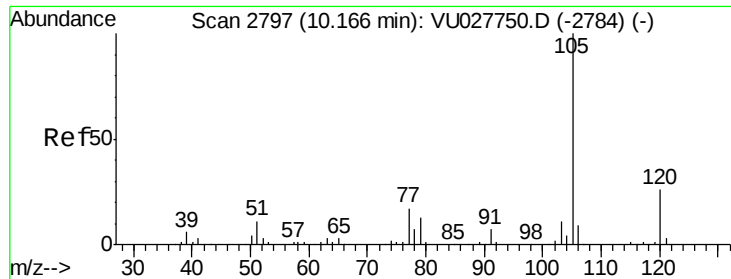
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 14.565 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 105 Resp: 288503

Ion Ratio Lower Upper

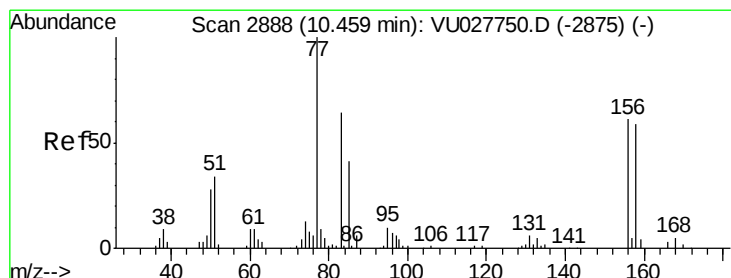
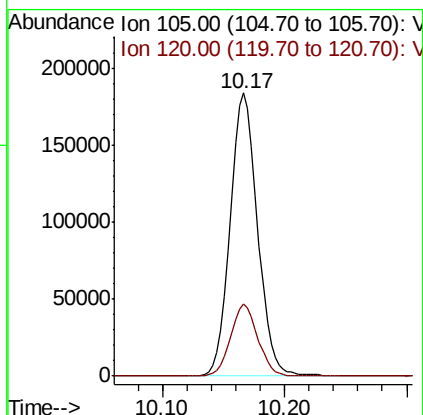
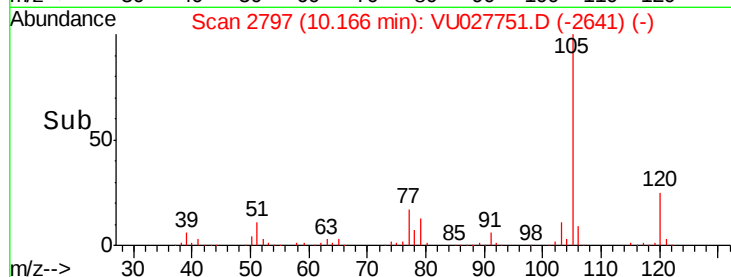
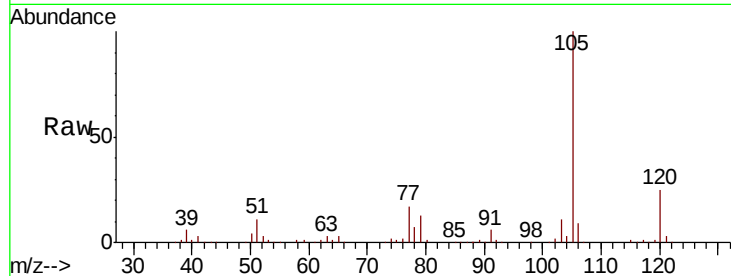
105 100

120 25.4 12.8 38.3

Manual Integrations
APPROVED

sam

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#70

1,1,2,2-Tetrachloroethane

Concen: 14.363 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

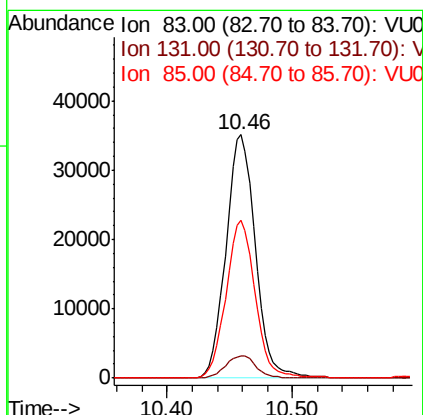
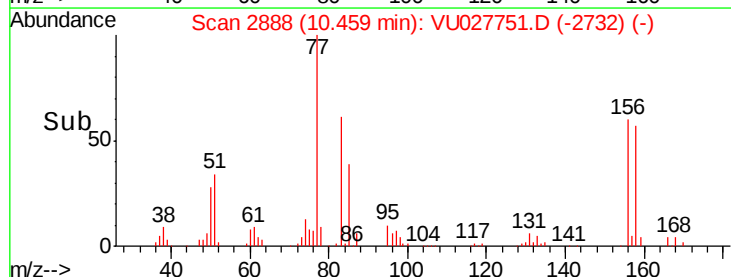
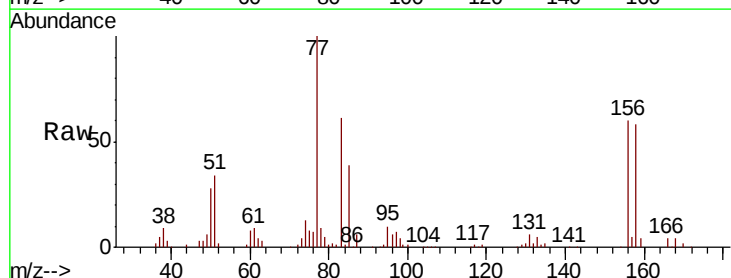
Tgt Ion: 83 Resp: 57261

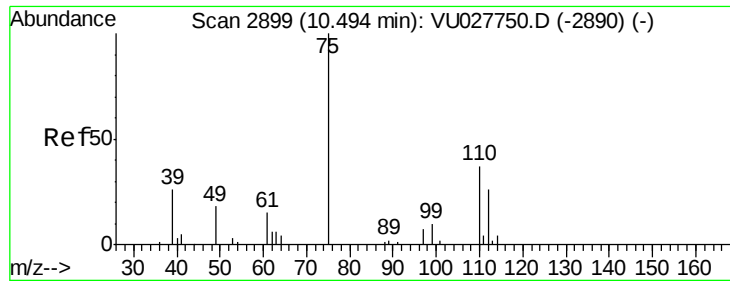
Ion Ratio Lower Upper

83 100

131 9.2 7.7 11.5

85 64.3 51.2 76.8





#71
 1,2,3-Trichloropropane
 Concen: 14.408 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

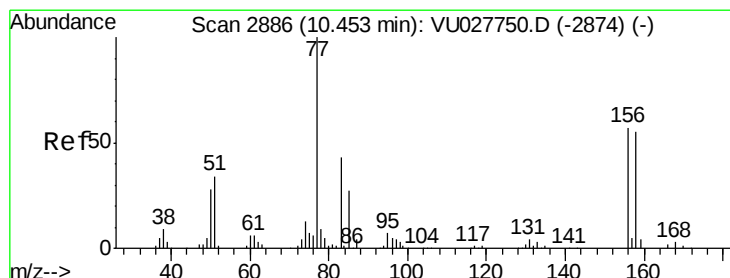
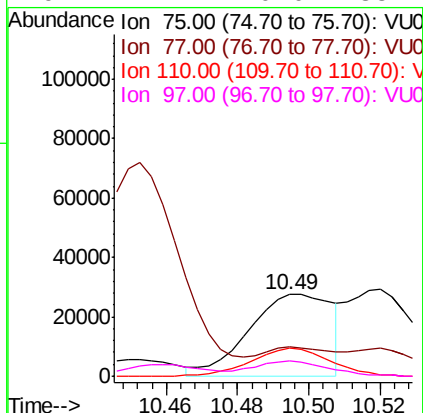
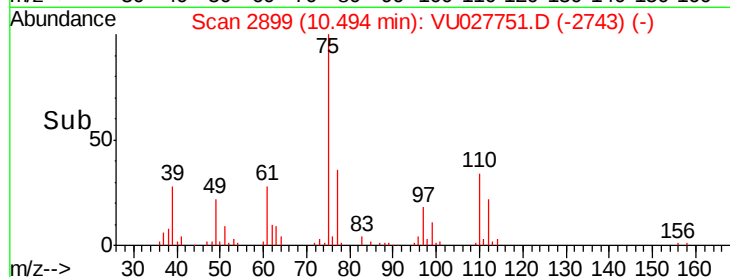
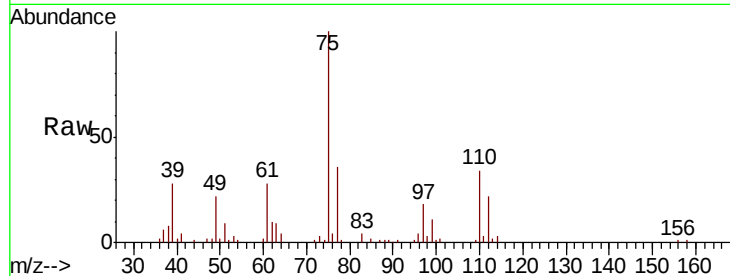
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC015

Tot Ion:	75	Resp:	44627
Ion	Ratio	Lower	Upper
75	100		
77	8.8	0.0	0.0#
110	32.9	0.0	68.2
97	17.4	0.0	35.2

Manual Integrations
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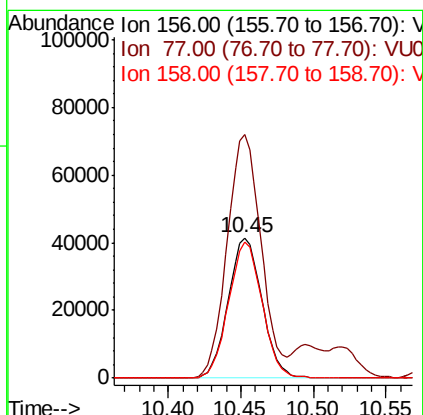
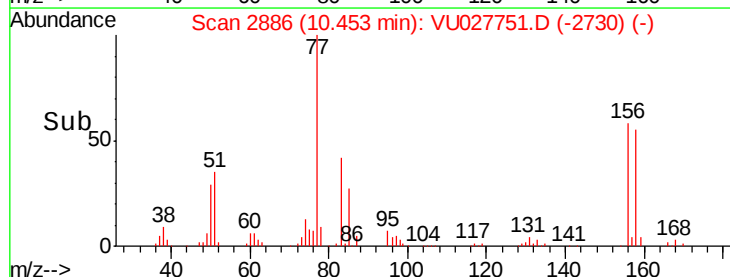
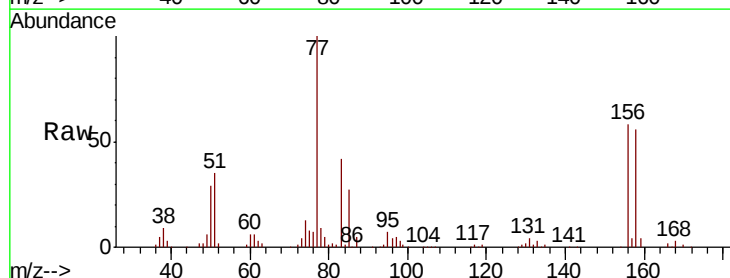
sam

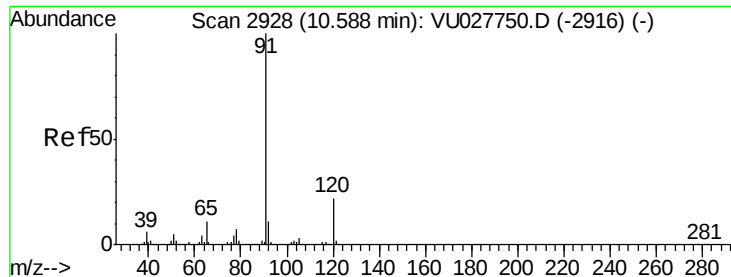
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#72
 Bromobenzene
 Concen: 15.087 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

Tgt Ion:	156	Resp:	66785
Ion	Ratio	Lower	Upper
156	100		
77	175.3	0.0	349.4
158	96.8	0.0	191.4





#73

n-propylbenzene

Concen: 15.147 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:120 Resp: 76892

Ion Ratio Lower Upper

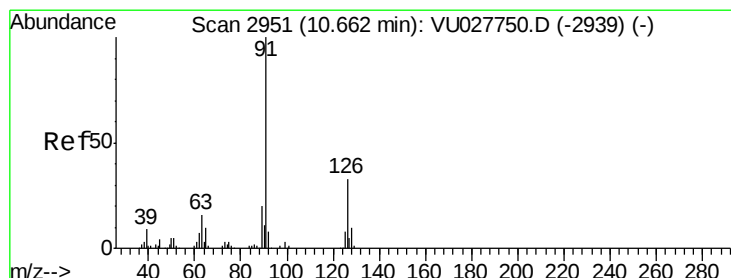
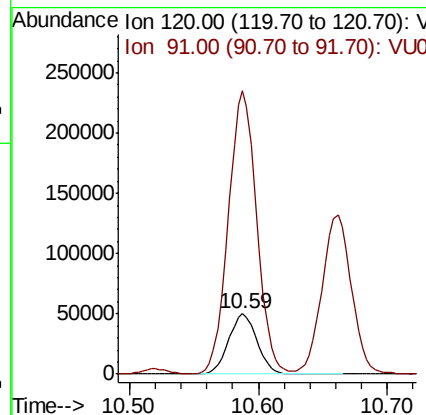
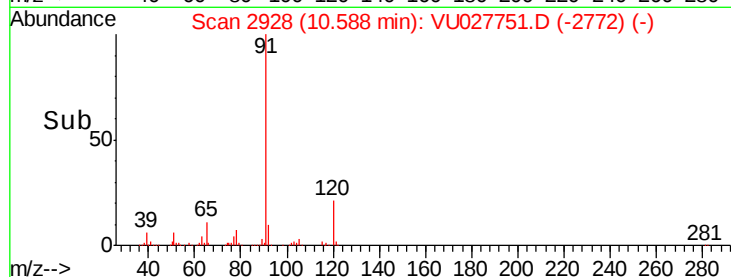
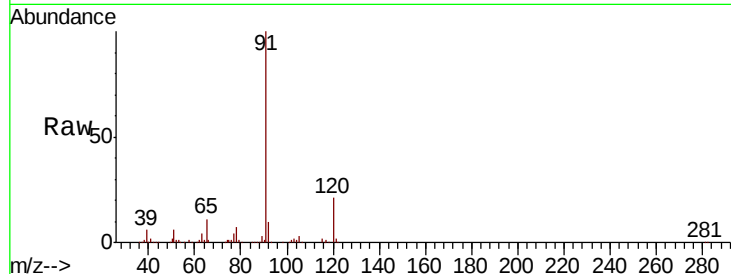
120 100

91 463.6 369.0 553.6

Manual Integrations
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#74

2-Chlorotoluene

Concen: 14.122 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027751.D

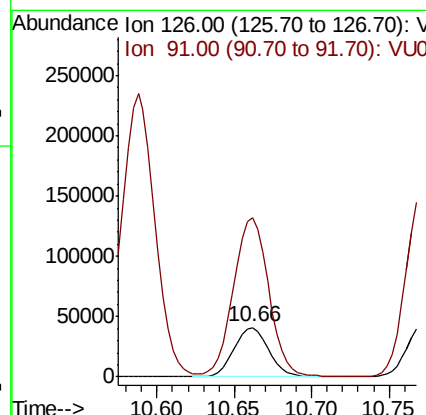
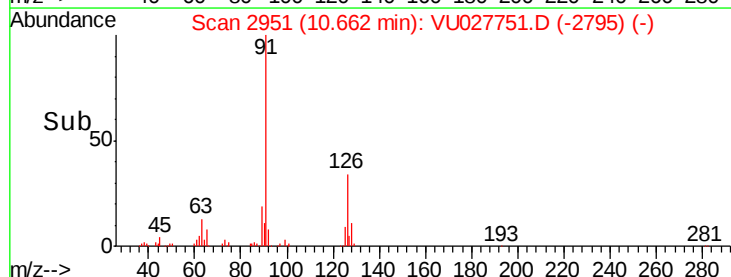
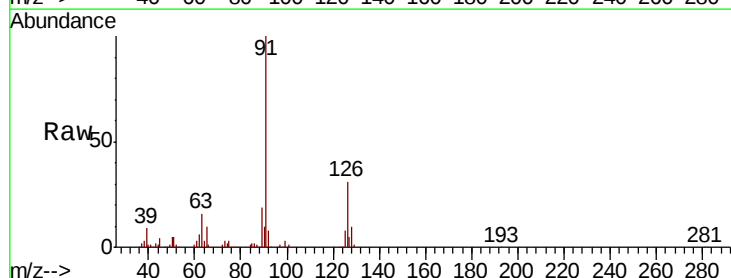
Acq: 22 Oct 2018 19:57

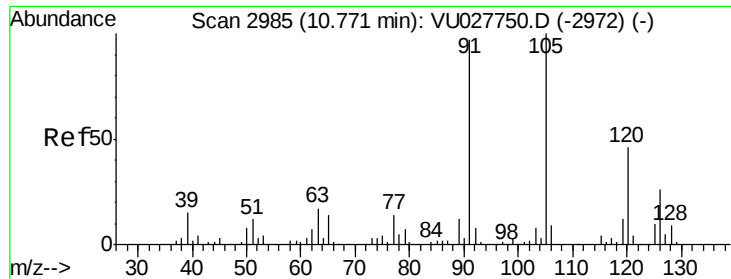
Tgt Ion:126 Resp: 63992

Ion Ratio Lower Upper

126 100

91 326.3 0.0 628.8





#75

1,3,5-Trimethylbenzene

Concen: 14.806 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 244677

Ion Ratio Lower Upper

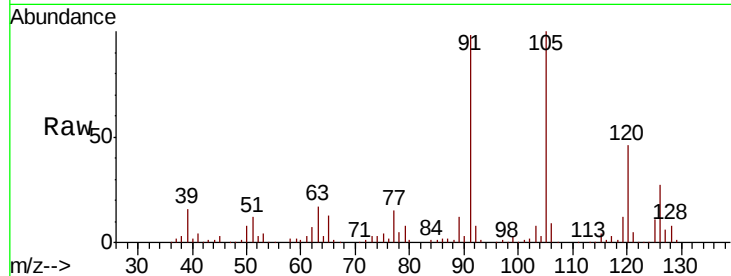
105 100

120 46.1 37.2 55.8

Manual Integrations
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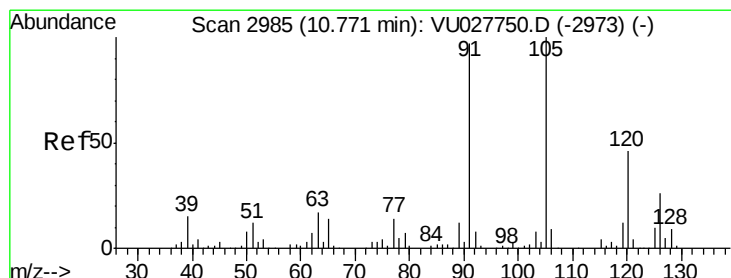
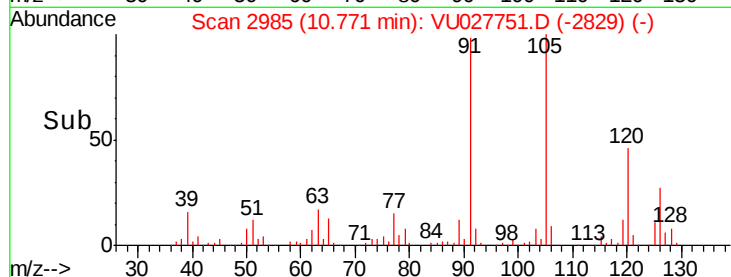
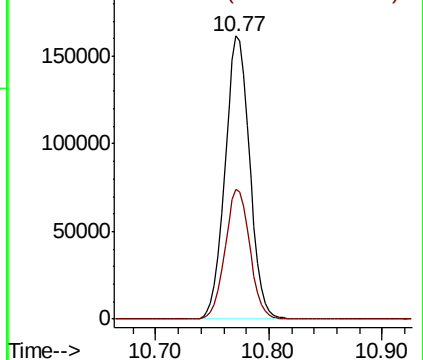
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 15.230 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027751.D

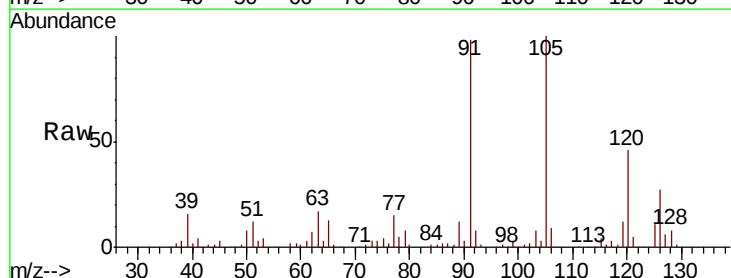
Acq: 22 Oct 2018 19:57

Tgt Ion:126 Resp: 66461

Ion Ratio Lower Upper

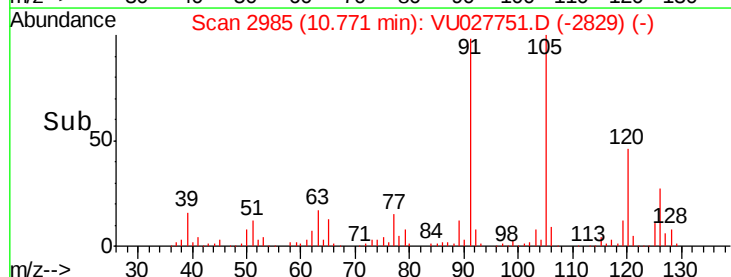
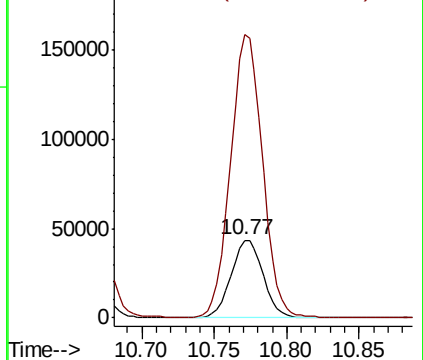
126 100

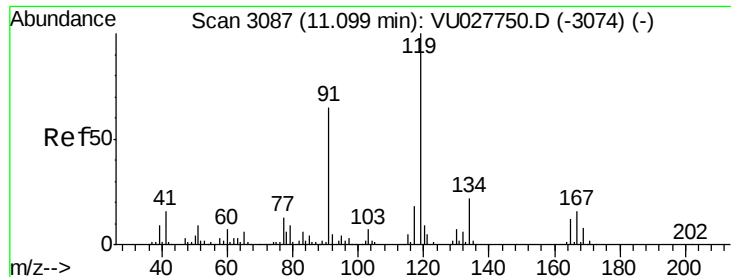
91 362.5 0.0 734.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77
tert-Butylbenzene
Concen: 14.458 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

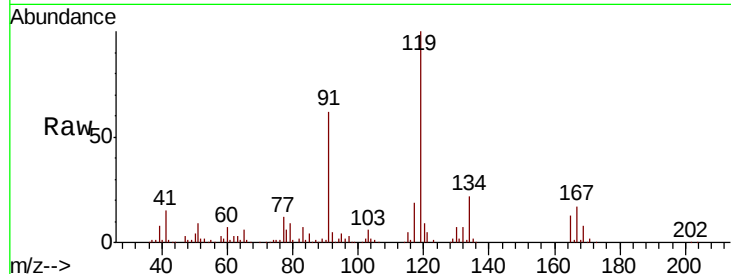
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
119	100	236930		
91	62.8	31.8	95.4	
134	22.2	17.7	26.5	

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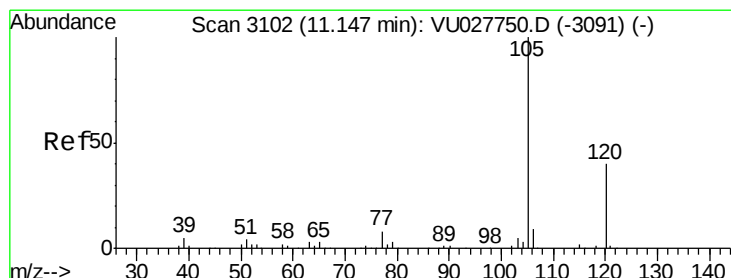
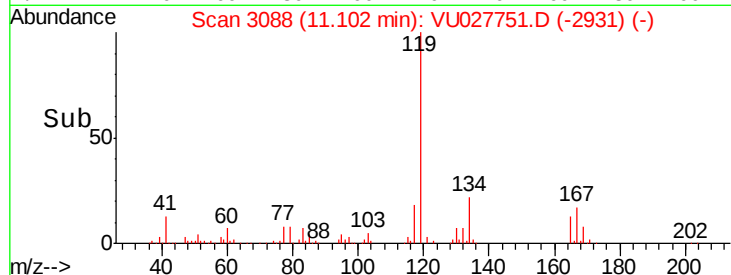
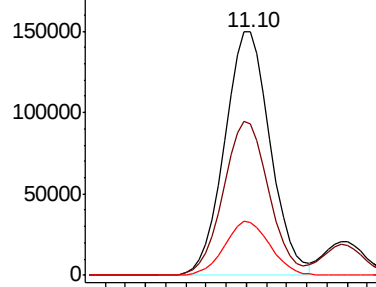


Abundance

Ion 119.00 (118.70 to 119.70): V

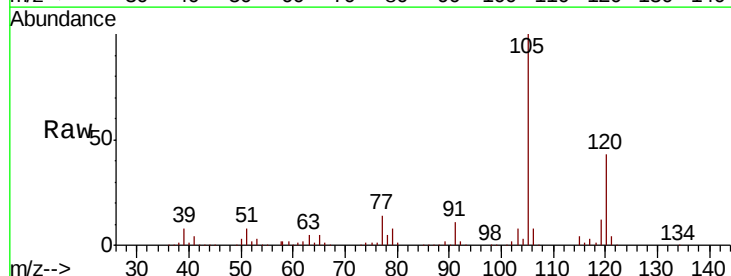
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78
1,2,4-Trimethylbenzene
Concen: 14.832 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

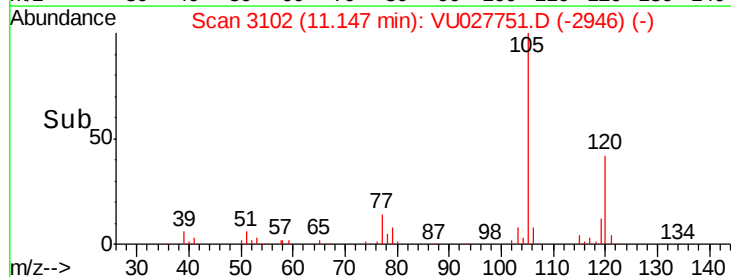
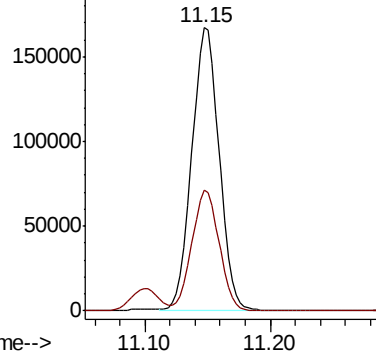
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252697		
120	42.6	21.6	64.6	

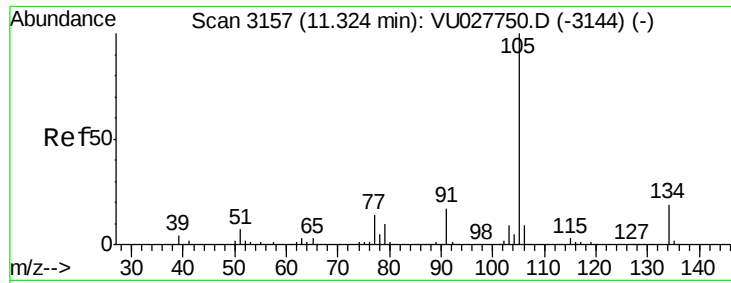


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79
 sec-Butylbenzene
 Concen: 15.158 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

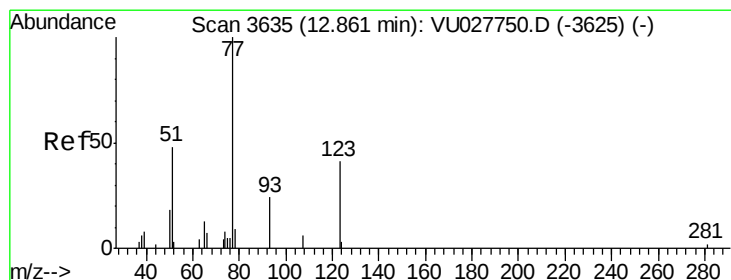
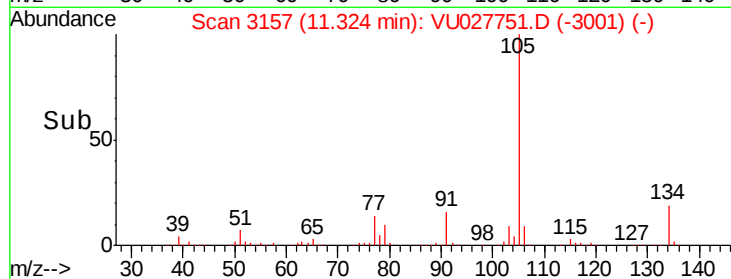
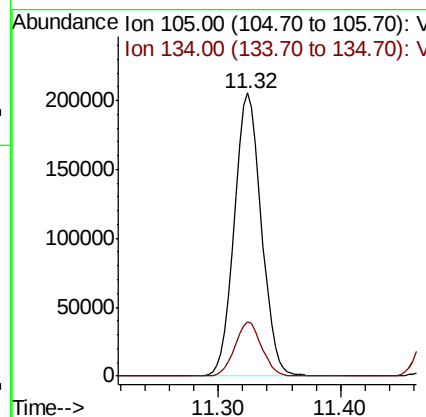
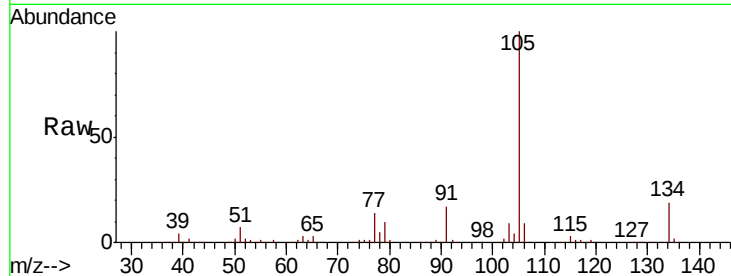
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.2	22.8

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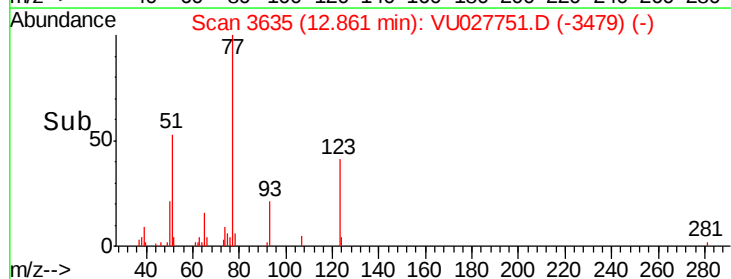
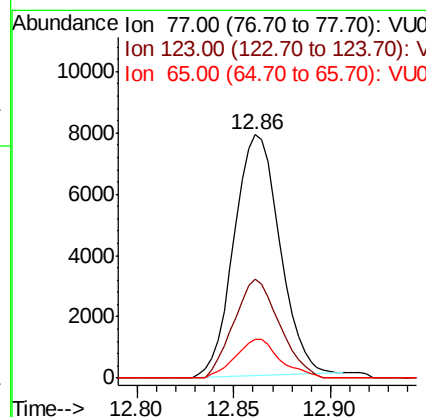
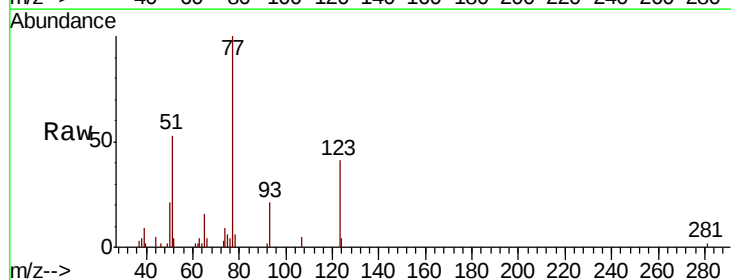
sam

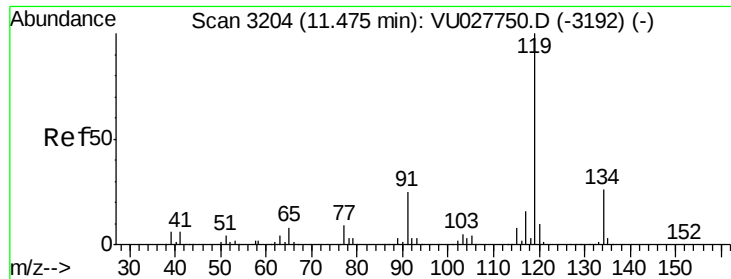
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#80
 Nitrobenzene
 Concen: 70.040 ug/l
 RT: 12.86 min Scan# 3635
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.8	16.9	59.9
65	15.9	13.1	16.7





#81
 p-Isopropyltoluene
 Concen: 15.366 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

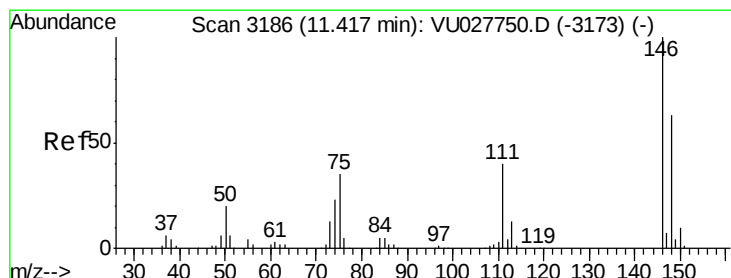
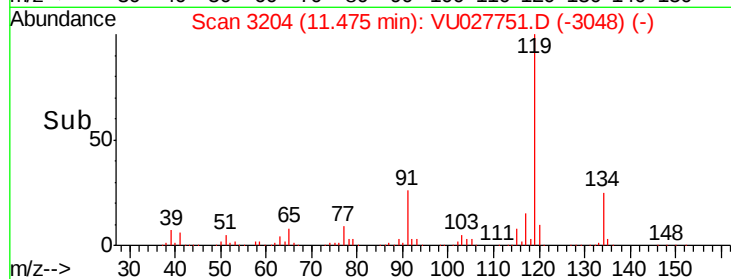
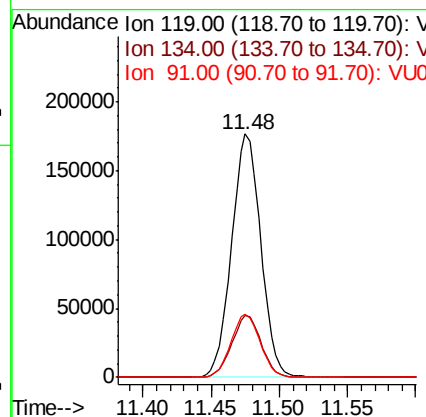
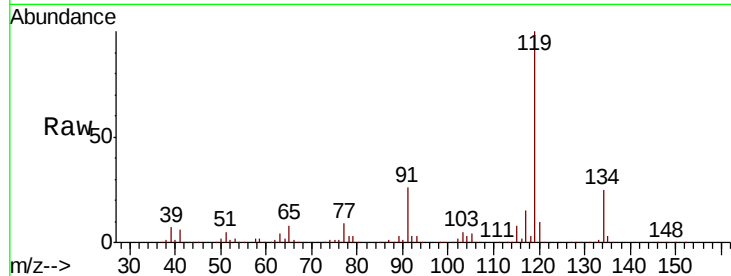
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	26.0	20.2	30.4

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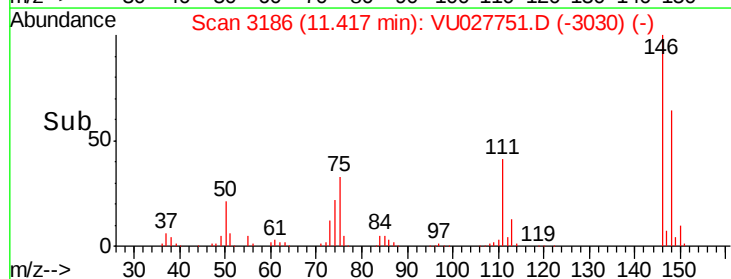
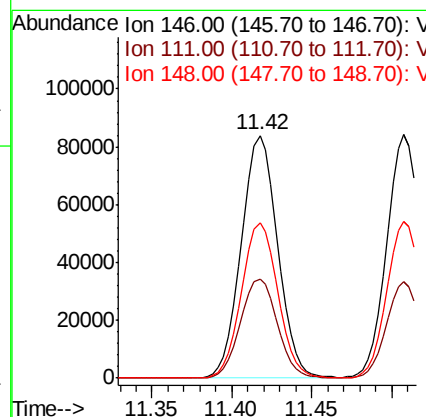
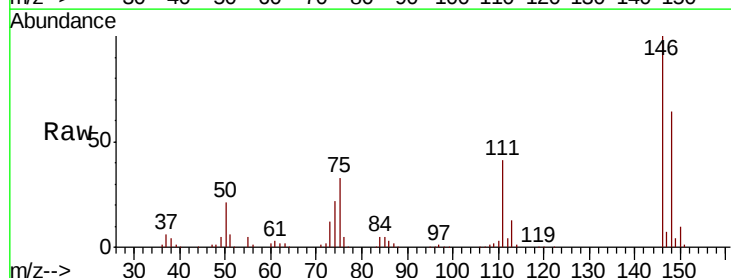
sam

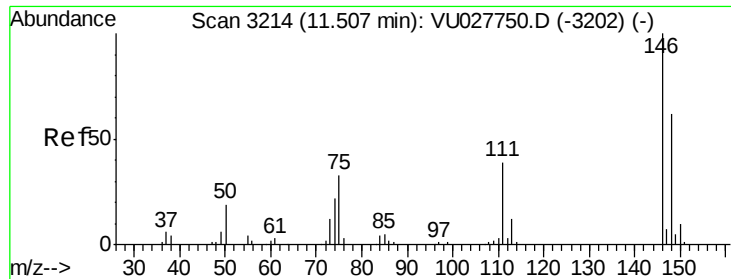
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#82
 1,3-Dichlorobenzene
 Concen: 15.237 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	32.7	49.1
148	64.2	50.6	75.8





#83
 1,4-Dichlorobenzene
 Concen: 15.365 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

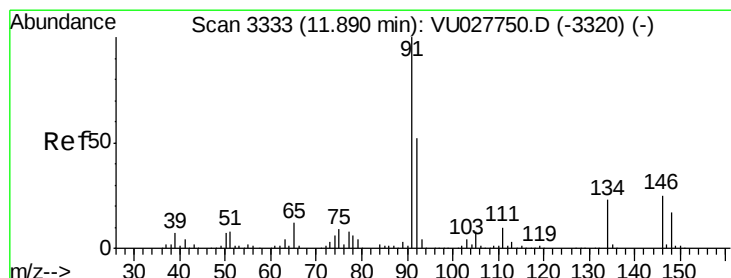
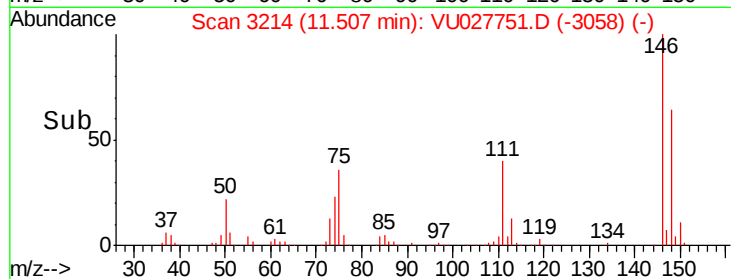
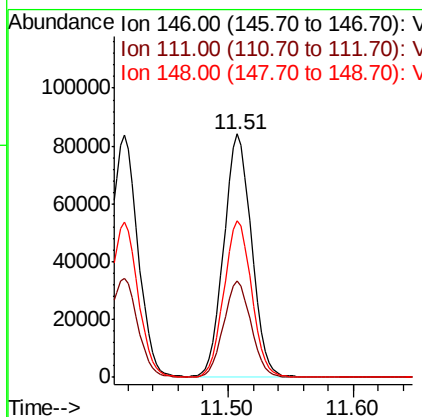
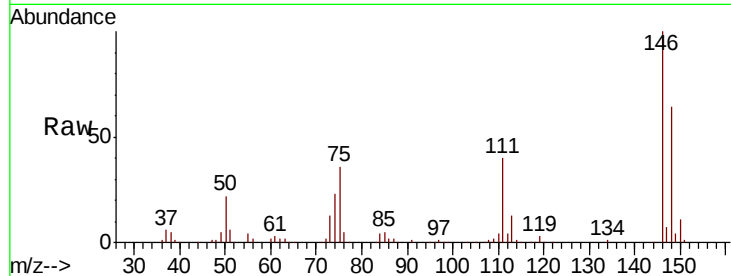
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion:	146	Resp:	129135
Ion Ratio	Lower	Upper	
146	100		
111	39.1	32.0	48.0
148	64.3	50.9	76.3

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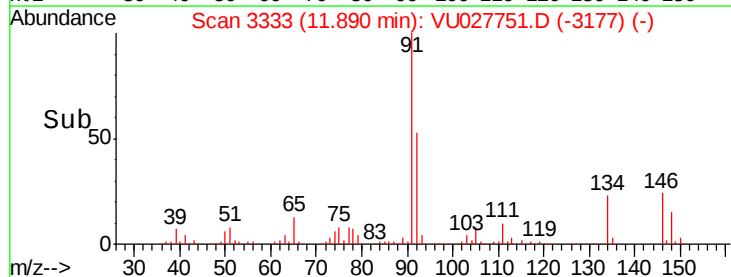
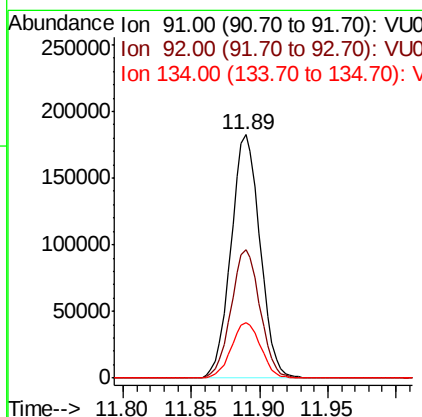
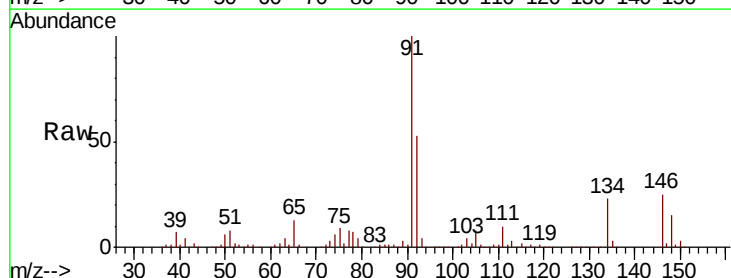
sam

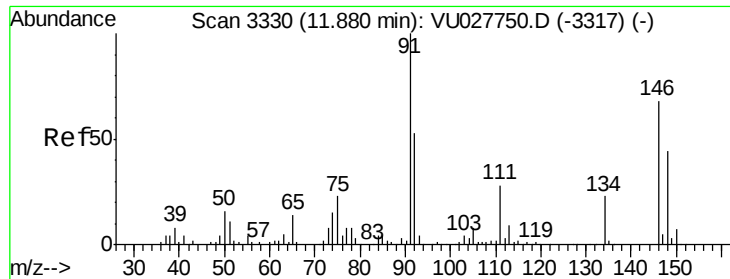
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#84
 n-Butylbenzene
 Concen: 16.732 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

Tgt Ion:	91	Resp:	269981
Ion Ratio	Lower	Upper	
91	100		
92	52.6	42.1	63.1
134	23.0	18.6	28.0





#85
 1,2-Dichlorobenzene
 Concen: 15.255 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

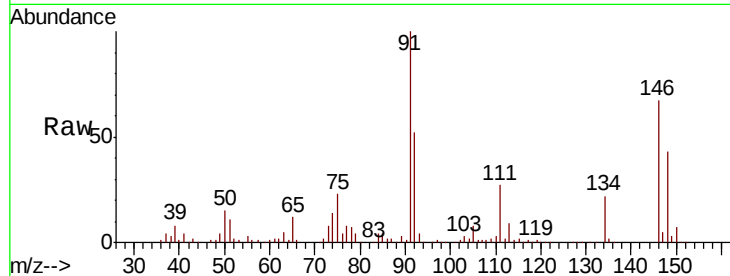
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.2	63.6
148	63.5	32.2	96.6

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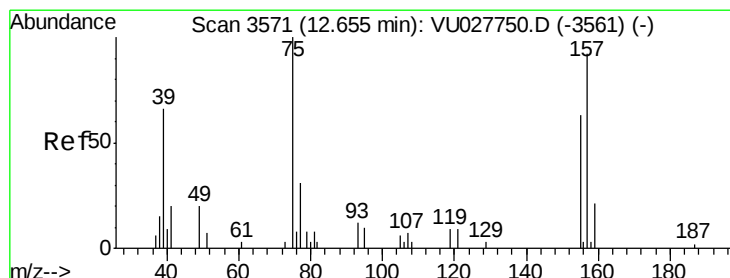
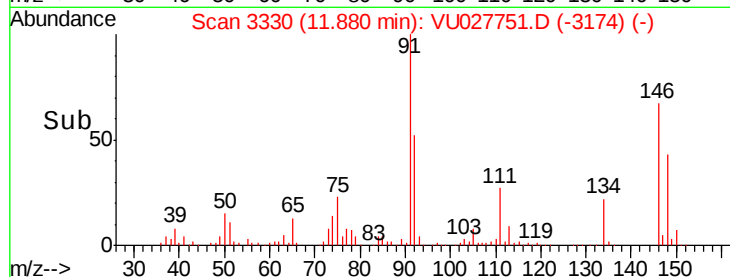
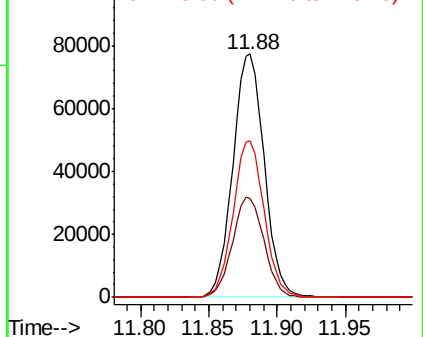


Abundance

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



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 15.197 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027751.D
 Acq: 22 Oct 2018 19:57

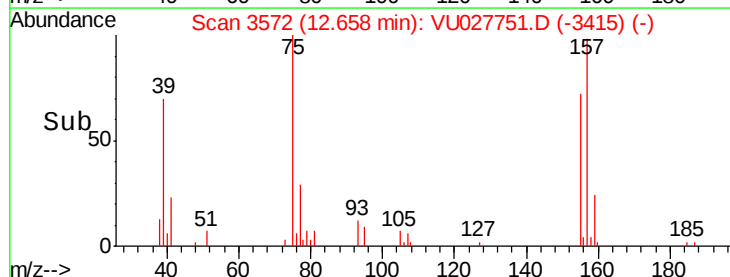
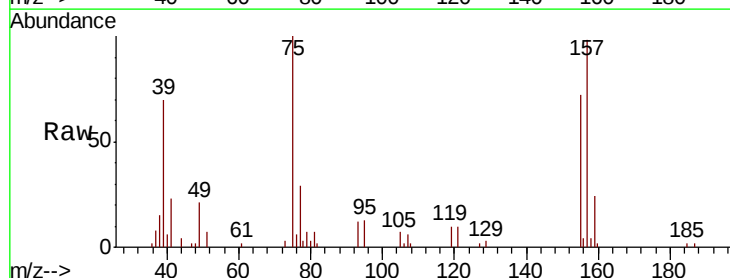
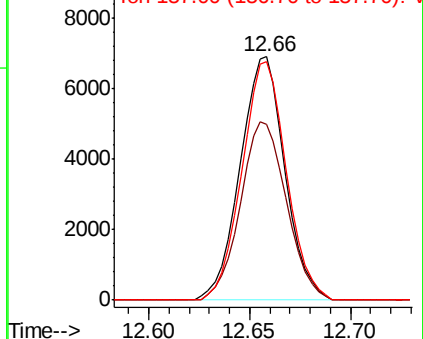
Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	55.5	83.3
157	97.3	71.0	106.4

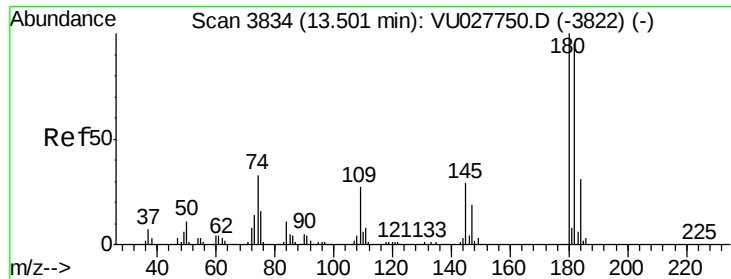
Abundance

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





#87

1,2,4-Trichlorobenzene

Concen: 16.216 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

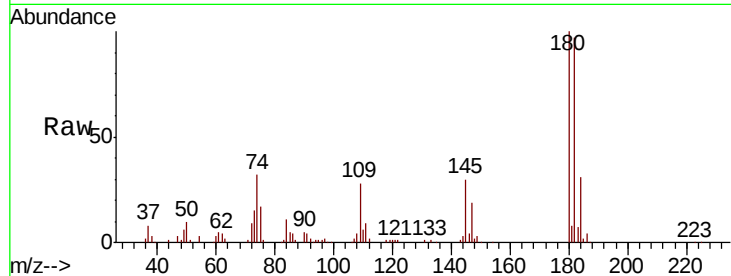
VSTDIC015

Tot Ion:	180	Resp:	96464
Ion Ratio	Lower	Upper	
180	100		
182	95.6	75.9	113.9
145	29.6	23.6	35.4

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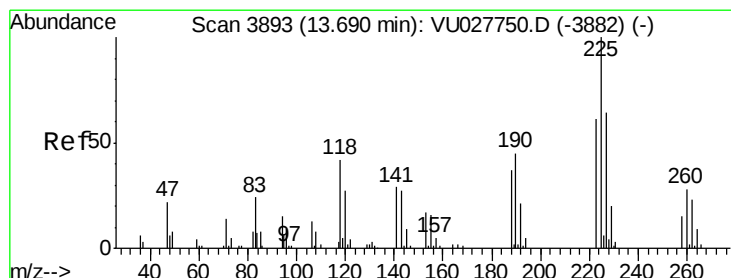
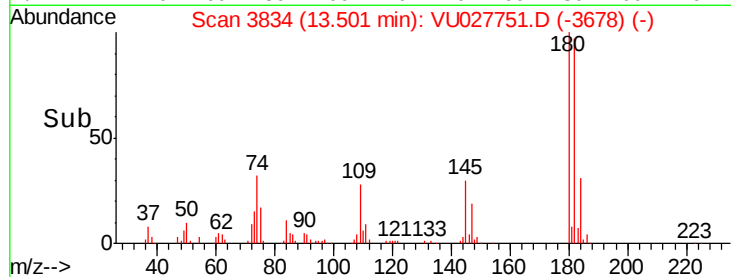
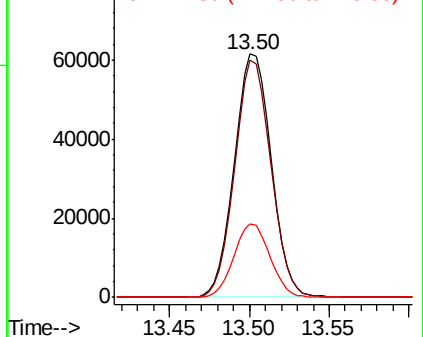


Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 15.282 ug/l

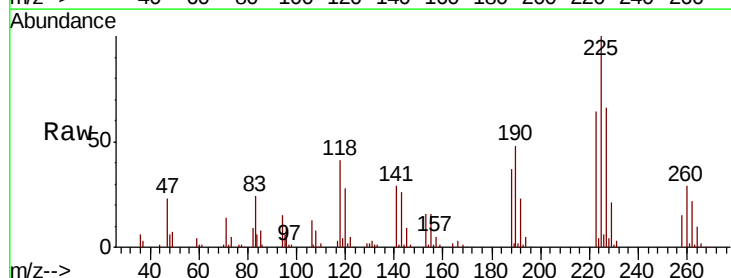
RT: 13.69 min Scan# 3893

Delta R.T. 0.00 min

Lab File: VU027751.D

Acq: 22 Oct 2018 19:57

Tgt Ion:	225	Resp:	54132
Ion Ratio	Lower	Upper	
225	100		
223	64.4	49.6	74.4
227	65.0	51.1	76.7

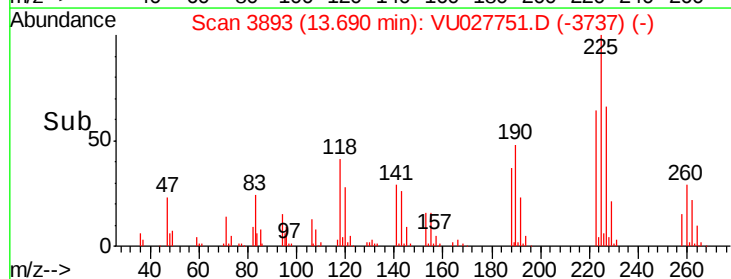
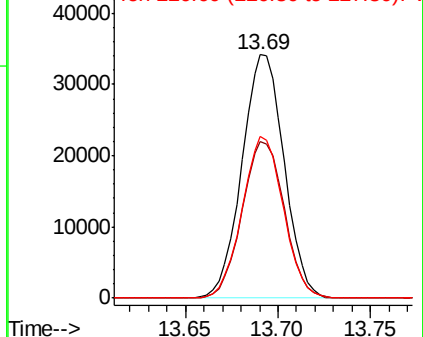


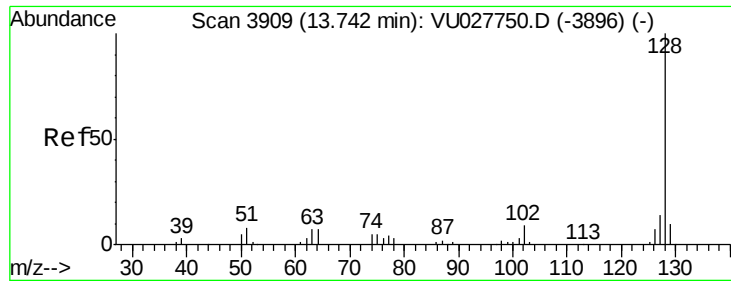
Abundance

Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89
Naphthalene
Concen: 15.277 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

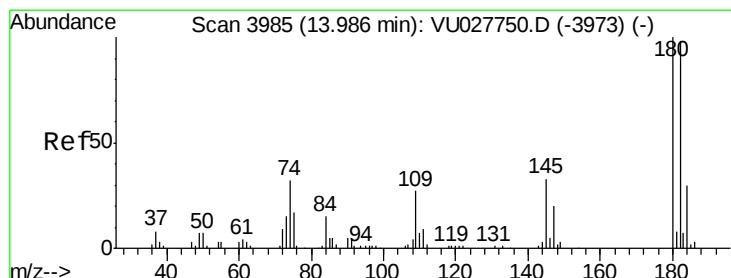
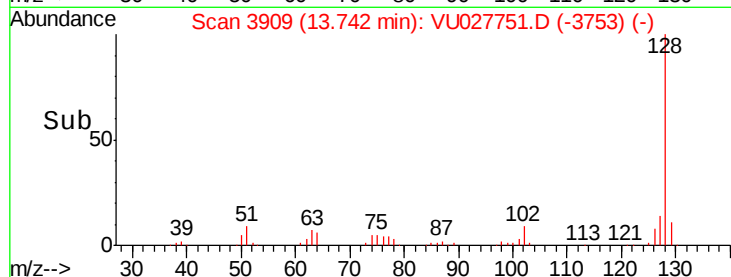
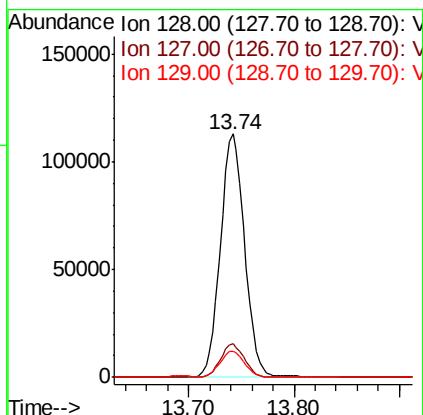
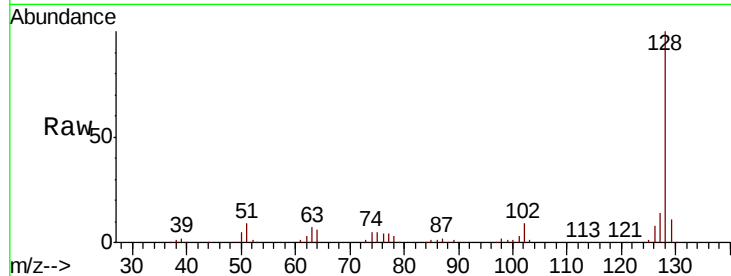
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.9	8.5	12.7

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#90
1,2,3-Trichlorobenzene
Concen: 15.984 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027751.D
Acq: 22 Oct 2018 19:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.0	115.6
145	31.8	25.4	38.2

