

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
 Data File : VU027750.D
 Acq On : 22 Oct 2018 19:33
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

sam

10/24/2018 2:19:03 PM

Quant Time: Oct 23 04:45:22 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	5.74	96	13613	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	5293	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4917	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	54596	9.508	ug/l	100
3) Chloromethane	1.33	50	55973	9.072	ug/l	100
4) Vinyl Chloride	1.40	62	54619	9.473	ug/l	100
5) Bromomethane	1.63	94	27604	9.989	ug/l	100
6) Chloroethane	1.70	64	28835	8.881	ug/l	100
7) Trichlorofluoromethane	1.89	101	66181	9.766	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	34534	9.224	ug/l	100
9) 1,1-Dichloroethene	2.29	96	30996	9.274	ug/l	100
10) Iodomethane	2.41	142	46385	10.315	ug/l	100
11) Allyl Chloride	2.59	41	71064	9.057	ug/l	100
12) Acrylonitrile	2.94	53	16698	15.700	ug/l	100
13) Acetone	2.34	43	37658	48.323	ug/l	100
14) Carbon Disulfide	2.48	76	111486	9.199	ug/l	100
15) Methylene Chloride	2.70	84	34728	8.510	ug/l	100
16) trans-1,2-Dichloroethene	2.98	96	34240	9.132	ug/l	100
17) 1,1-Dichloroethane	3.45	63	72948	9.320	ug/l	100
18) 2-Butanone	4.29	43	66369	46.113	ug/l	100
19) Cyclohexane	4.99	56	66532	9.291	ug/l	100
20) Methylcyclohexane	6.41	83	69371	9.915	ug/l	100
21) 2,2-Dichloropropane	4.23	77	63165	9.107	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	39663	9.319	ug/l	100
23) Diethyl Ether	2.11	59	29095	9.233	ug/l	100
24) tert-Butyl Alcohol	2.86	59	31276m	103.653	ug/l	
25) Methyl tert-Butyl Ether	3.01	73	96451	9.116	ug/l	100
26) Bromochloromethane	4.55	128	16178	9.388	ug/l	100
27) Chloroform	4.68	83	72311	9.365	ug/l	100
28) 1,1,1-Trichloroethane	4.92	97	65611	9.847	ug/l	100
29) 1,1-Dichloropropene	5.14	75	58050	9.889	ug/l	100
30) Carbon Tetrachloride	5.13	117	58038	9.776	ug/l	100
31) Isopropyl Ether	3.58	45	136072	9.254	ug/l	100
32) Ethyl-t-butyl ether	4.08	59	118910	9.165	ug/l	100
33) Tert-Amyl methyl ether	5.59	73	102472	9.403	ug/l	100
34) Propionitrile	4.35	54	17197	44.484	ug/l	100
35) Benzene	5.39	78	160548	9.721	ug/l	100
36) 1,2-Dichloroethane	5.41	62	53030	10.071	ug/l	100
37) Trichloroethene	6.19	130	38840	9.547	ug/l	100
38) 1,2-Dichloropropane	6.44	63	44939	9.646	ug/l	100
39) Methacrylonitrile	4.56	41	18407	9.665	ug/l	100
40) Methyl acrylate	4.43	55	24701	9.558	ug/l	100
41) Tetrahydrofuran	4.66	42	18811	18.388	ug/l	100
42) 1-Chlorobutane	5.07	56	90040	9.801	ug/l	100

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Manual Integrations
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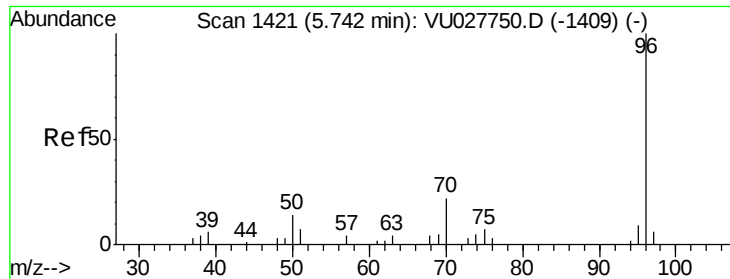
sam

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Quant Time: Oct 23 04:45:22 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	20882	10.061	ug/l	100
44) Bromodichloromethane	6.76	83	55409	9.939	ug/l	100
45) 4-Methyl-2-Pentanone	7.47	43	165657	47.167	ug/l	100
46) t-1,4-Dichloro-2-butene	10.52	75	24745m	19.056	ug/l	
47) Methyl methacrylate	6.63	69	44888	19.557	ug/l	100
48) Ethyl methacrylate	8.02	69	46455	9.455	ug/l	100
49) Toluene	7.64	92	96544	9.660	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	56758	10.021	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	66327	9.872	ug/l	100
52) 1,1,2-Trichloroethane	8.07	97	28002	9.543	ug/l	100
53) 1,3-Dichloropropane	8.24	76	53284	9.826	ug/l	100
54) 2-Hexanone	8.37	43	118185	45.677	ug/l	100
55) Dibromochloromethane	8.48	129	35347	9.896	ug/l	100
56) 1,2-Dibromoethane	8.59	107	27280	9.848	ug/l	100
58) Tetrachloroethene	8.23	164	36547	9.928	ug/l	100
59) Chlorobenzene	9.12	112	102286	9.765	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	37576	9.894	ug/l	100
61) Pentachloroethane	11.10	117	29485	10.032	ug/l	100
62) Hexachloroethane	12.15	117	32199	10.167	ug/l	100
63) Ethyl Benzene	9.25	91	196042	10.124	ug/l	100
64) m/p-Xylenes	9.38	106	140514	19.846	ug/l	100
65) o-Xylene	9.78	106	69101	9.777	ug/l	100
66) Styrene	9.79	104	116690	9.977	ug/l	100
67) Bromoform	9.96	173	21081	10.175	ug/l	100
69) Isopropylbenzene	10.17	105	188435	9.960	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	36856	9.678	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	28536m	9.646	ug/l	
72) Bromobenzene	10.45	156	43670	10.328	ug/l	100
73) n-propylbenzene	10.59	120	50553	10.426	ug/l	100
74) 2-Chlorotoluene	10.66	126	42597	9.842	ug/l	100
75) 1,3,5-Trimethylbenzene	10.77	105	159216	10.087	ug/l	100
76) 4-Chlorotoluene	10.77	126	42859	10.282	ug/l	100
77) tert-Butylbenzene	11.10	119	154509	9.871	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	164584	10.114	ug/l	100
79) sec-Butylbenzene	11.32	105	207112	10.337	ug/l	100
80) Nitrobenzene	12.86	77	8250	46.621	ug/l	100
81) p-Isopropyltoluene	11.48	119	171605	10.508	ug/l	100
82) 1,3-Dichlorobenzene	11.42	146	84620	10.410	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	82296	10.252	ug/l	100
84) n-Butylbenzene	11.89	91	172096	11.166	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	79462	10.255	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	7229	10.733	ug/l	100
87) 1,2,4-Trichlorobenzene	13.50	180	62020	10.915	ug/l	100
88) Hexachlorobutadiene	13.69	225	34980	10.339	ug/l	100
89) Naphthalene	13.74	128	113374	10.095	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	55840	10.637	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1421

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 96 Resp: 13613

Ion Ratio Lower Upper

96 100

70 22.1 17.7 26.5

95 8.8 7.0 10.6

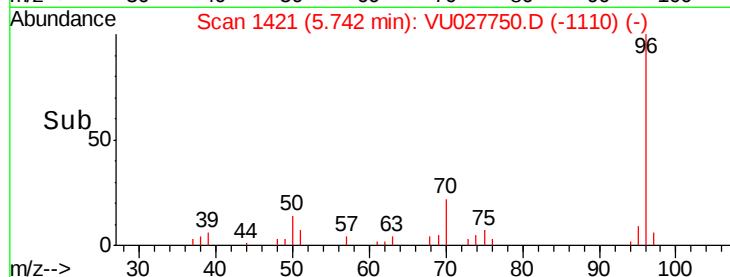
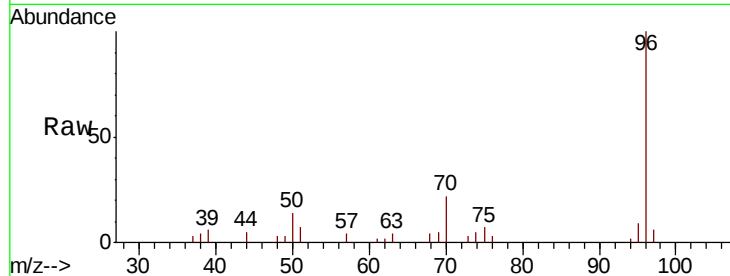
97 0.0 0.0 0.0

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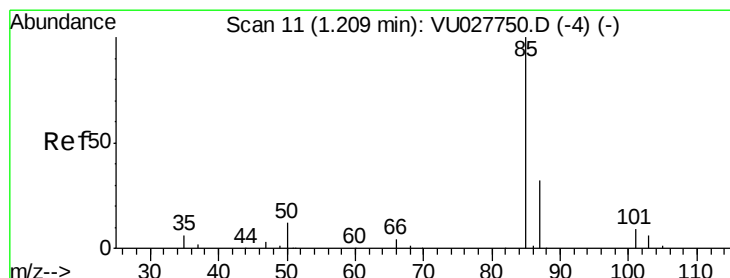
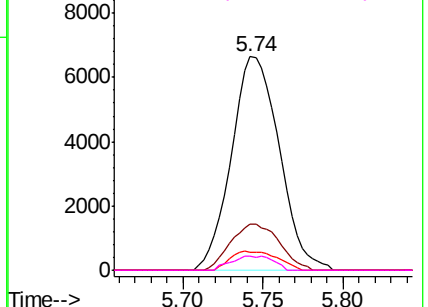


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 9.508 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027750.D

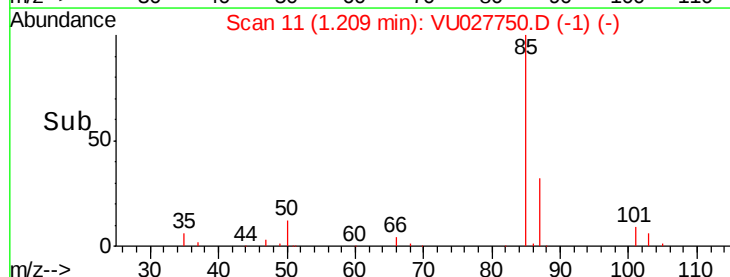
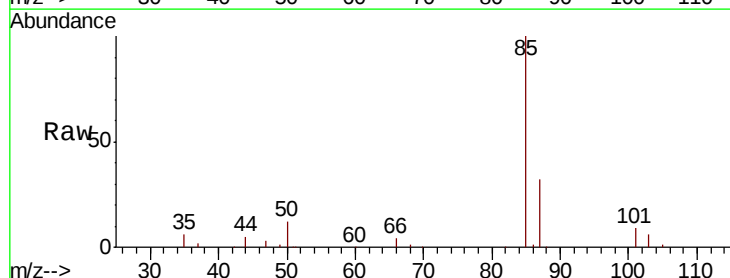
Acq: 22 Oct 2018 19:33

Tgt Ion: 85 Resp: 54596

Ion Ratio Lower Upper

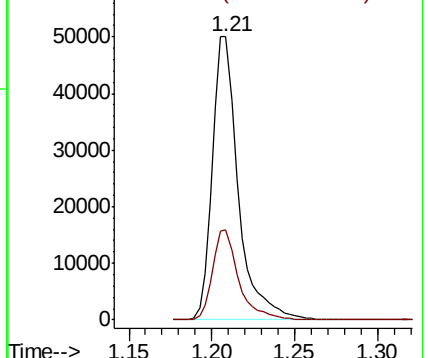
85 100

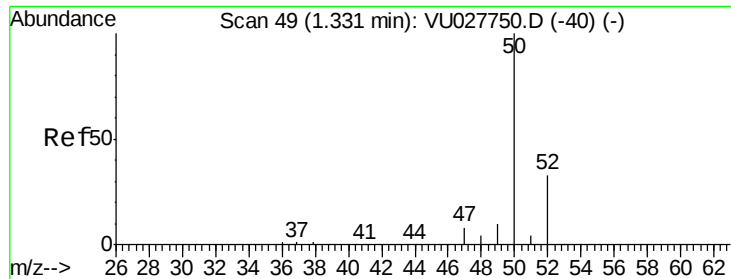
87 31.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.072 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 50 Resp: 55973

Ion Ratio Lower Upper

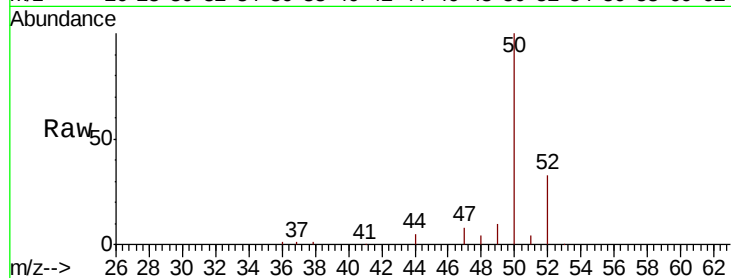
50 100

52 33.3 26.6 40.0

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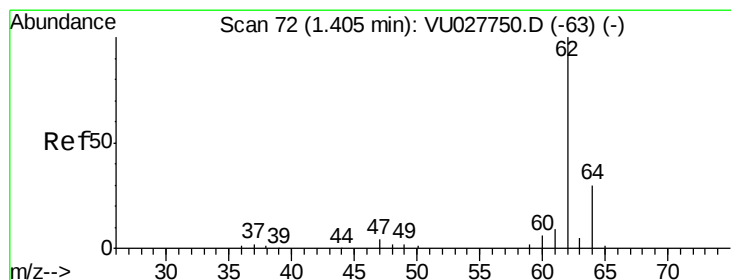
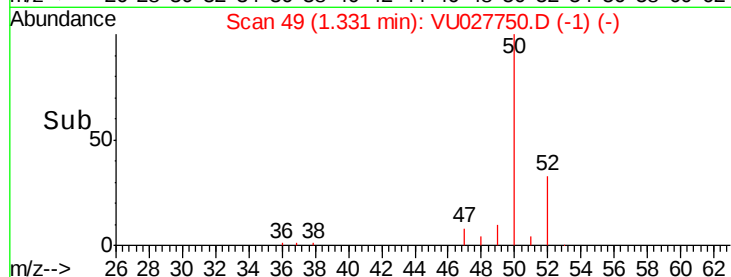
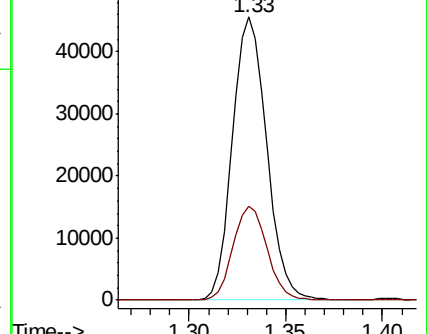
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 9.473 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027750.D

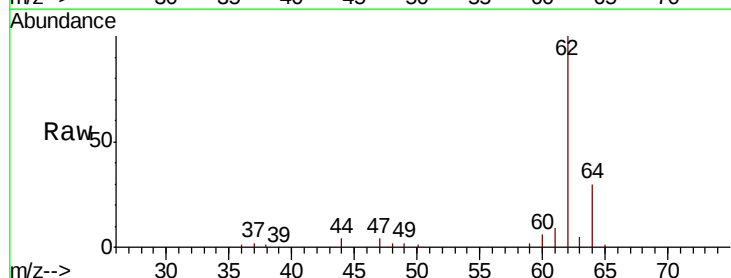
Acq: 22 Oct 2018 19:33

Tgt Ion: 62 Resp: 54619

Ion Ratio Lower Upper

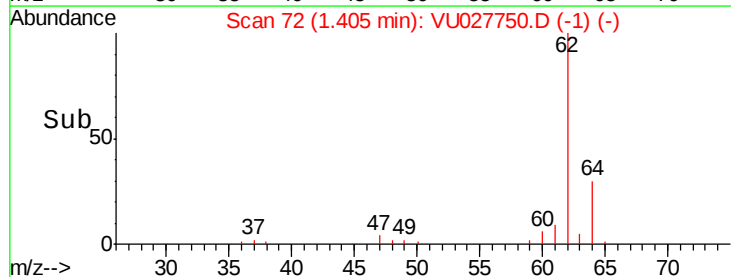
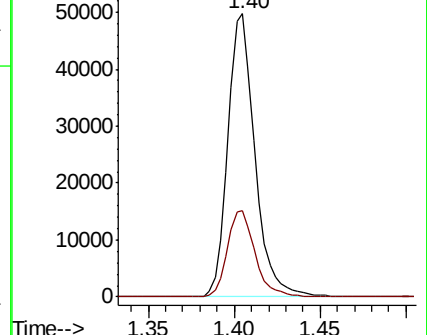
62 100

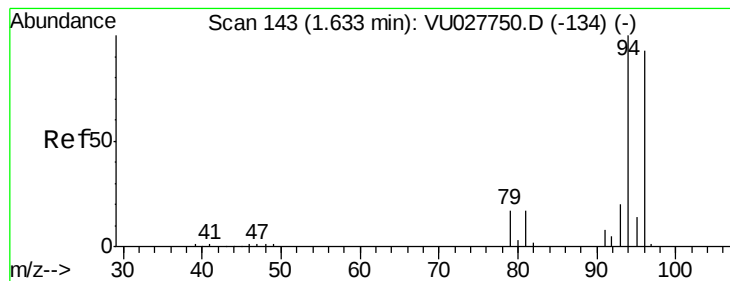
64 30.4 24.3 36.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 9.989 ug/l

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 94 Resp: 27604

Ion Ratio Lower Upper

94 100

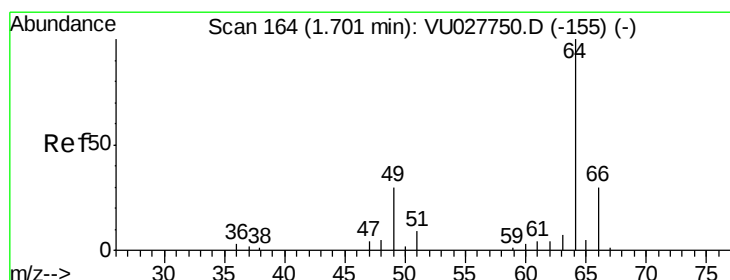
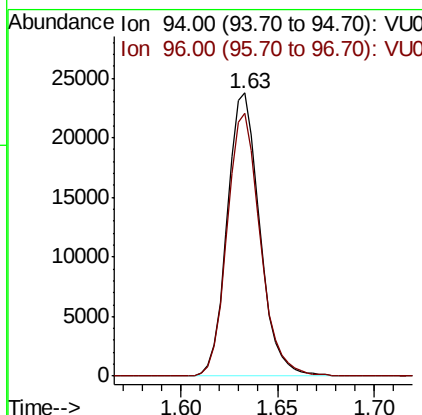
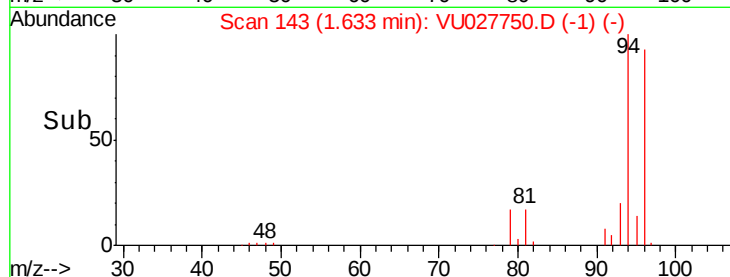
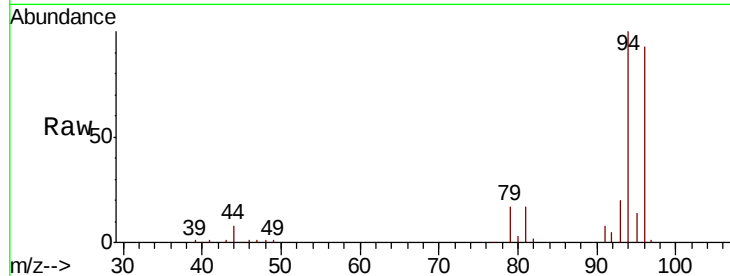
96 92.8 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 8.881 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027750.D

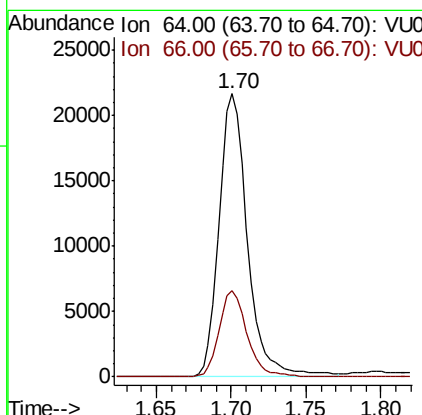
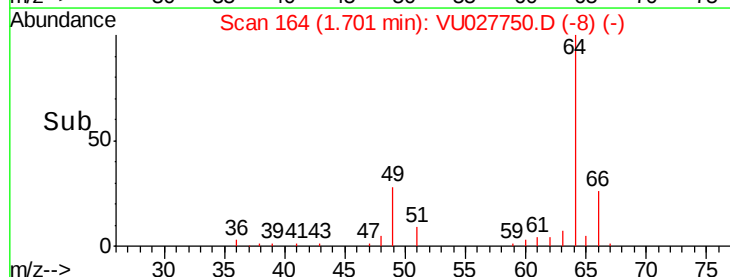
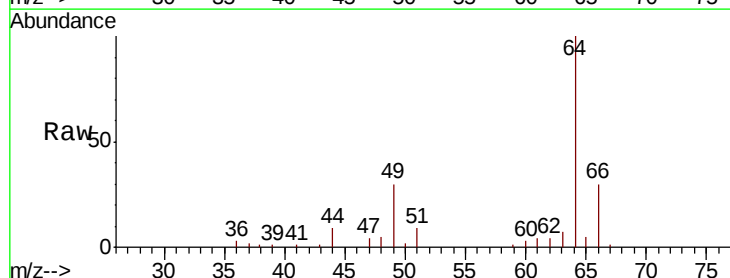
Acq: 22 Oct 2018 19:33

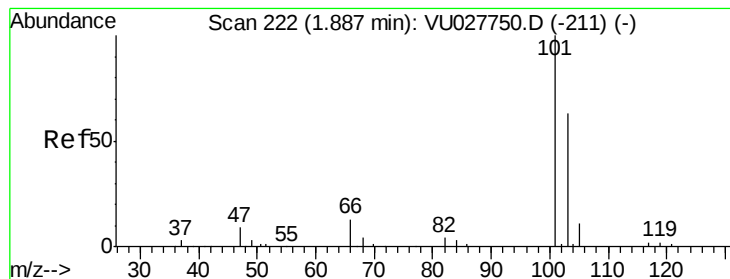
Tgt Ion: 64 Resp: 28835

Ion Ratio Lower Upper

64 100

66 30.4 24.3 36.5





#7

Trichlorofluoromethane

Concen: 9.766 ug/l

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Tot Ion:101 Resp: 66181

Ion Ratio Lower Upper

101 100

103 62.7 50.2 75.2

Instrument :

MSVOA_U

ClientSampled :

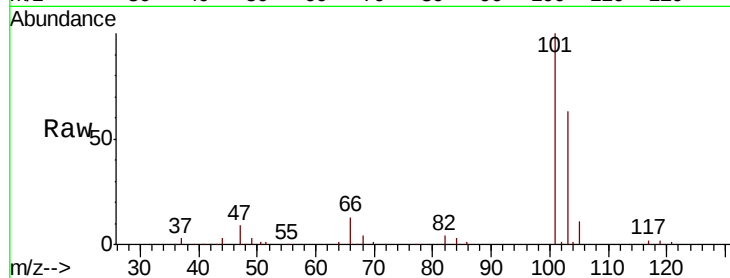
VSTDICCC010

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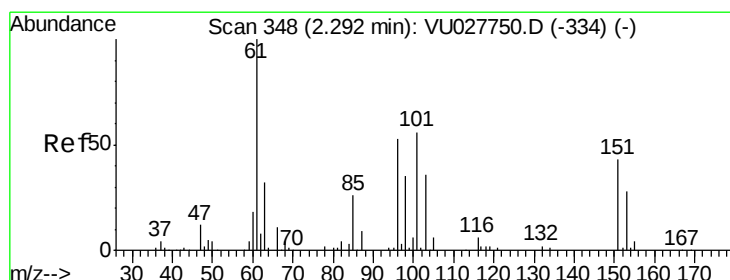
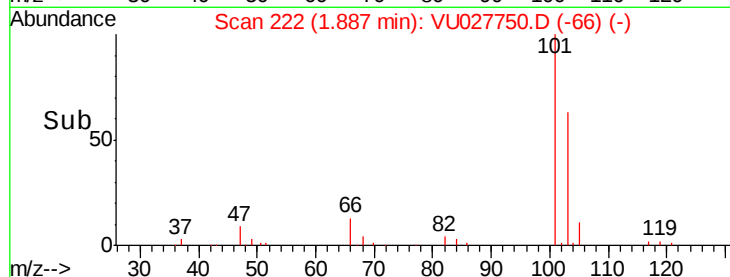
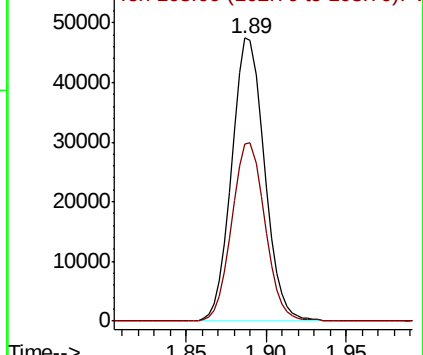
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 9.224 ug/l

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

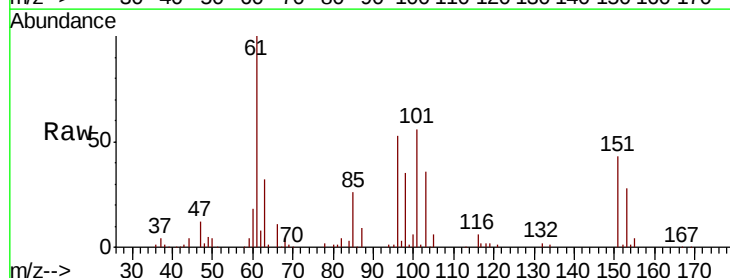
Tgt Ion:101 Resp: 34534

Ion Ratio Lower Upper

101 100

85 47.7 38.2 57.2

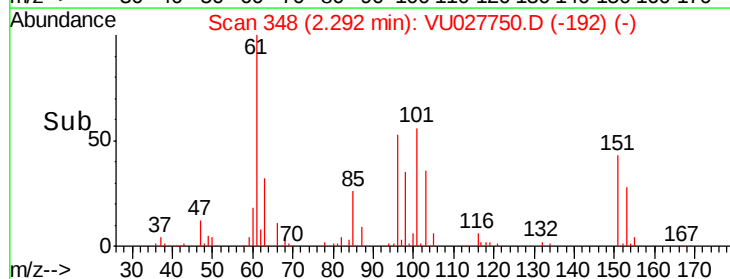
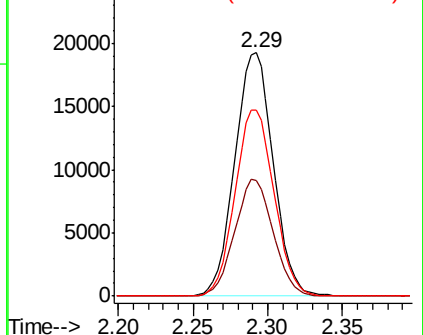
151 77.3 61.8 92.8

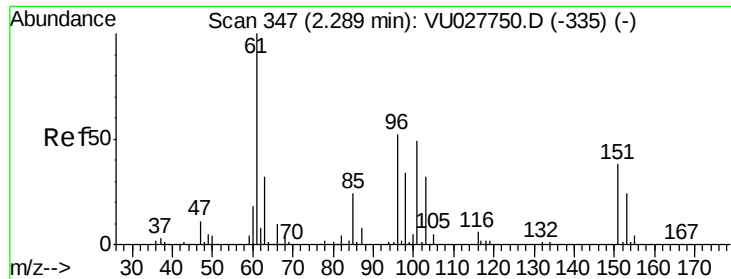


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 9.274 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

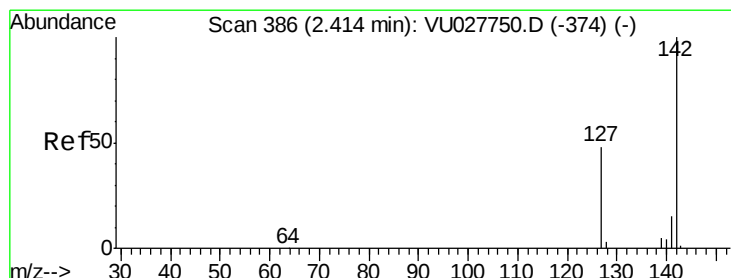
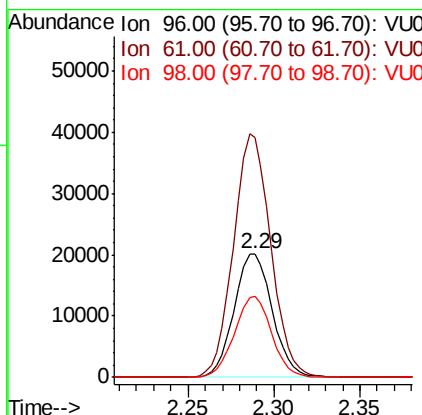
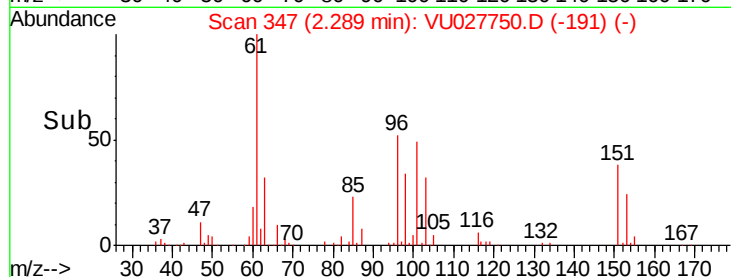
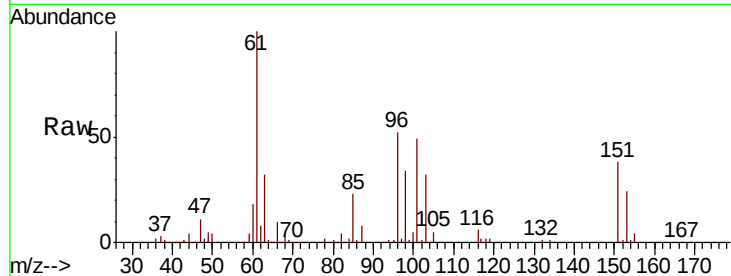
VSTDICCC010

Tot Ion:	96	Resp:	30996
Ion Ratio	Lower	Upper	
96	100		
61	193.8	0.0	581.4
98	65.6	0.0	131.2

Manual Integrations
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#10

Iodomethane

Concen: 10.315 ug/l

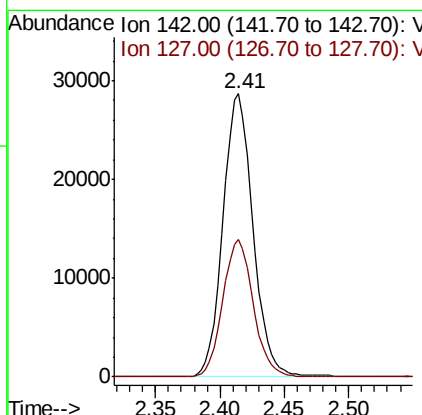
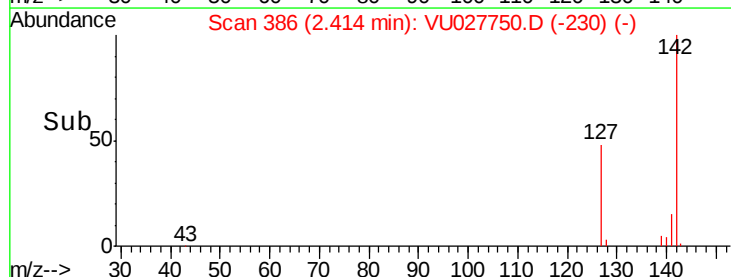
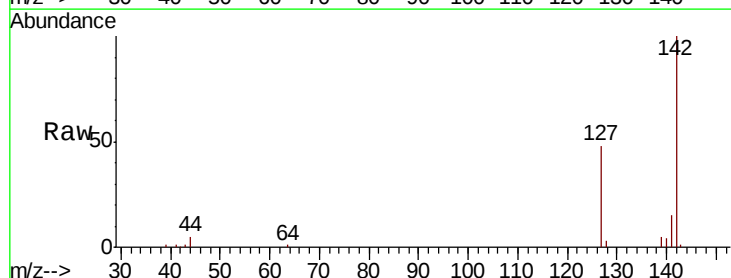
RT: 2.41 min Scan# 386

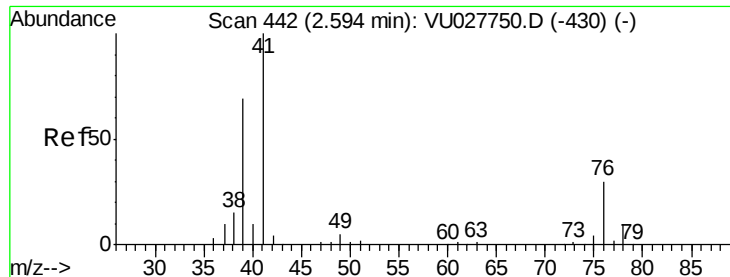
Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Tgt Ion:	142	Resp:	46385
Ion Ratio	Lower	Upper	
142	100		
127	49.0	39.2	58.8





#11
Allvl Chloride
Concen: 9.057 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

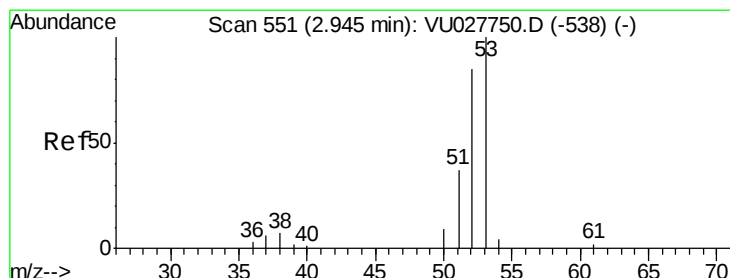
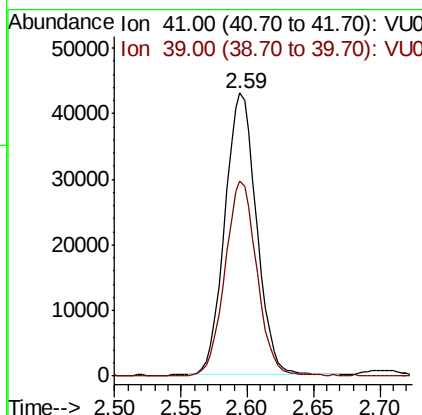
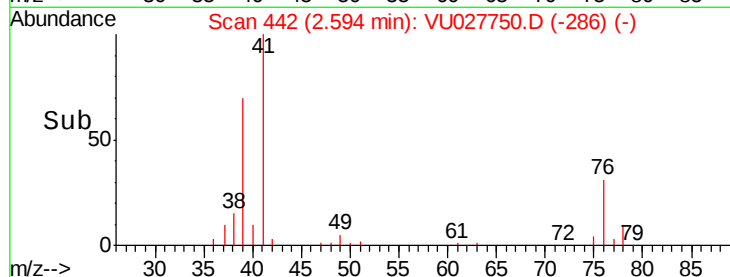
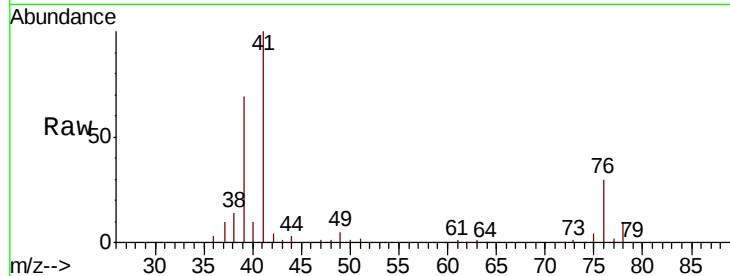
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 41 Resp: 71064
Ion Ratio Lower Upper
41 100
39 69.2 55.4 83.0

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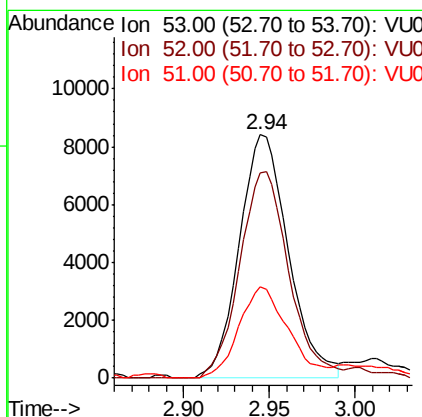
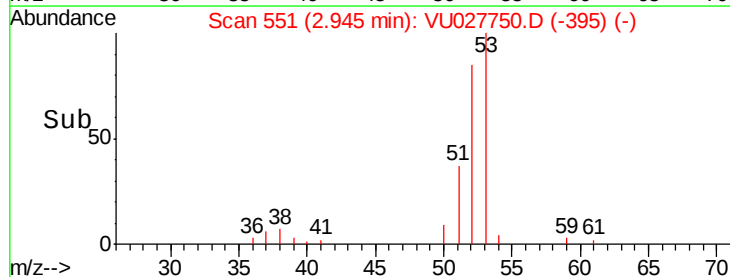
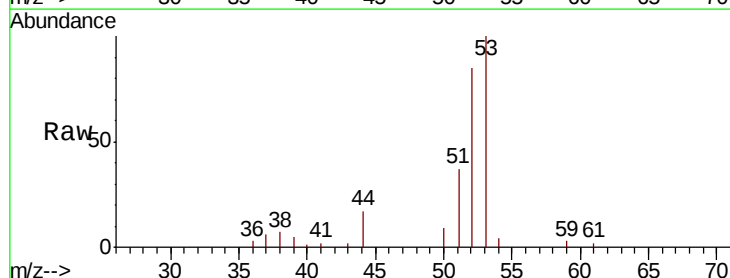
sam

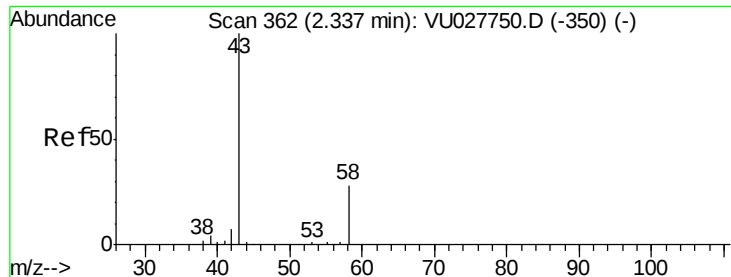
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#12
Acrylonitrile
Concen: 15.700 ug/l
RT: 2.94 min Scan# 551
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion: 53 Resp: 16698
Ion Ratio Lower Upper
53 100
52 84.9 67.9 101.9
51 37.5 30.0 45.0





#13

Acetone

Concen: 48.323 ug/l

RT: 2.34 min Scan# 362

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 37658

Ion Ratio Lower Upper

43 100

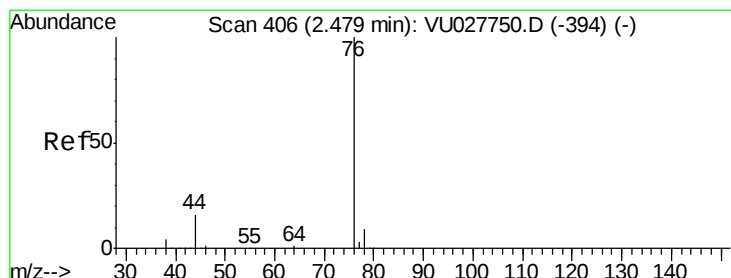
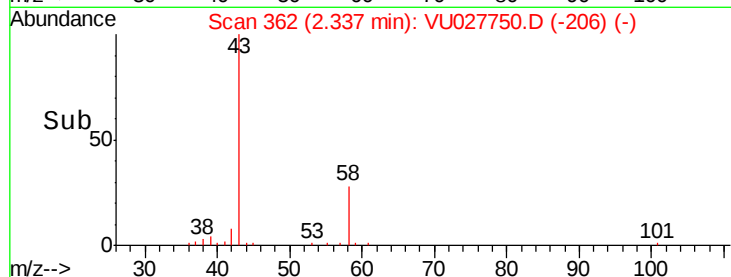
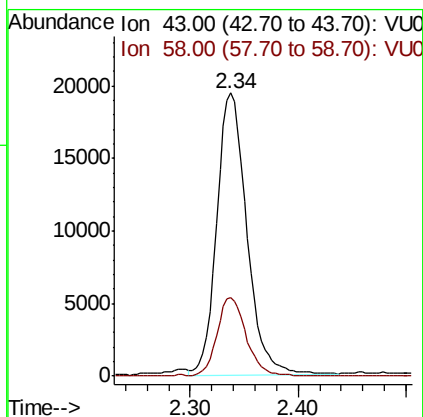
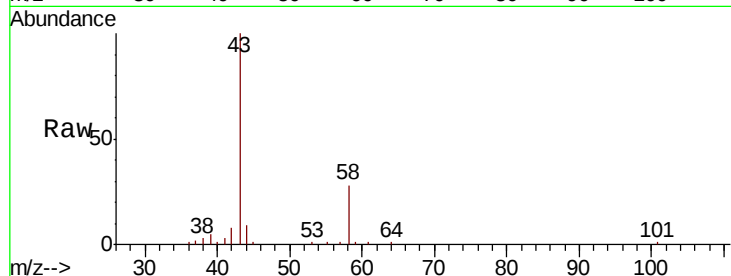
58 27.9 22.3 33.5

Manual Integrations

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sam

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#14

Carbon Disulfide

Concen: 9.199 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027750.D

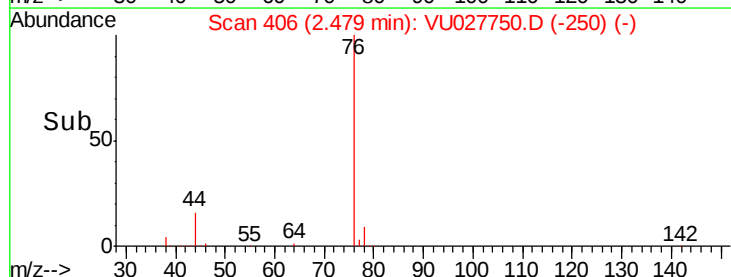
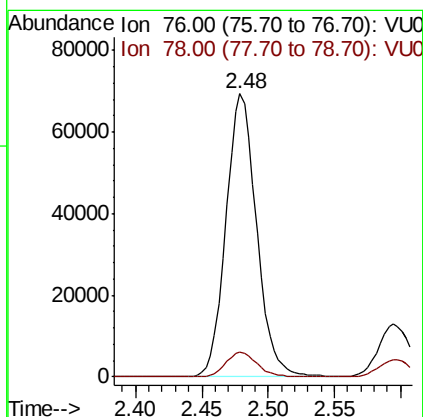
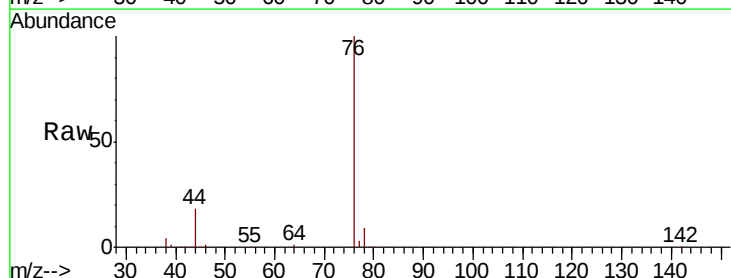
Acq: 22 Oct 2018 19:33

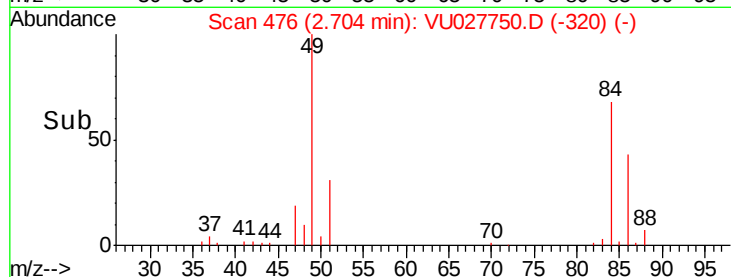
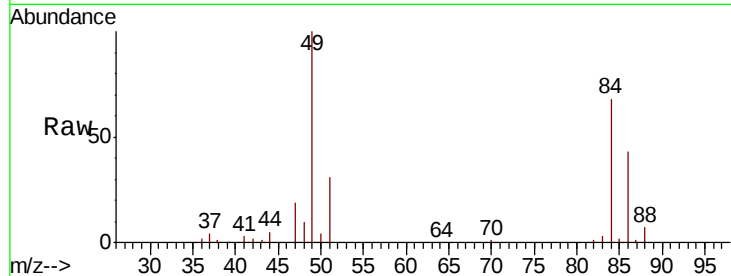
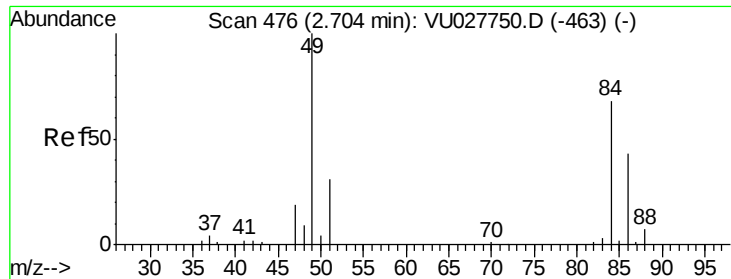
Tgt Ion: 76 Resp: 111486

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7





#15
Methvlene Chloride
Concen: 8.510 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

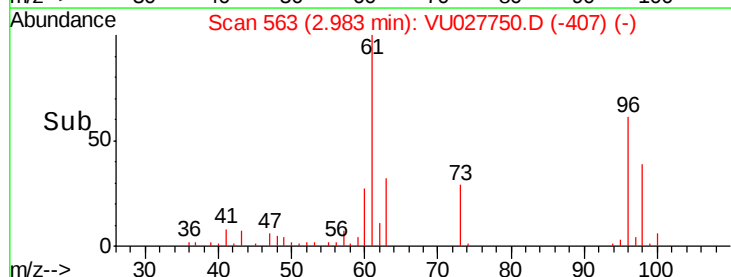
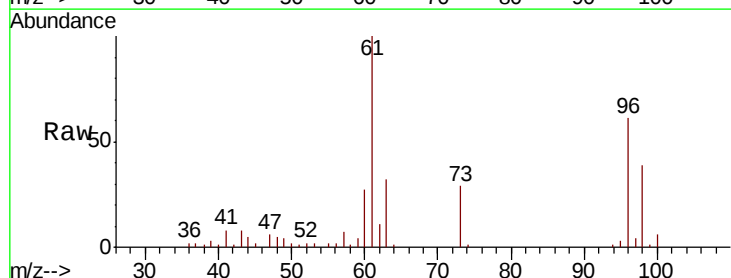
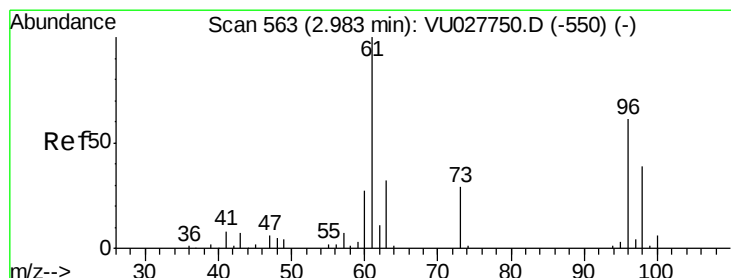
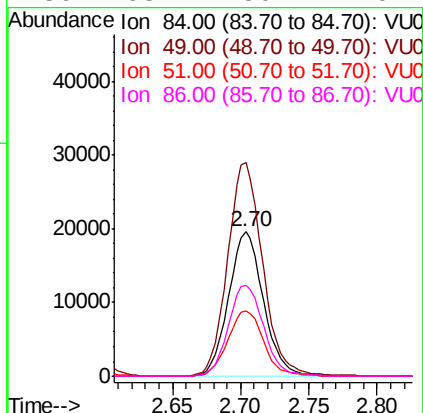
Tot Ion:	84	Resp:	34728
Ion	Ratio	Lower	Upper
84	100		
49	148.1	118.5	177.7
51	45.5	0.0	91.0
86	63.4	50.7	76.1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Manual Integrations
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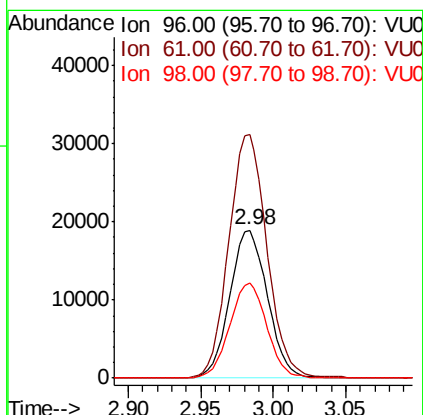
sam

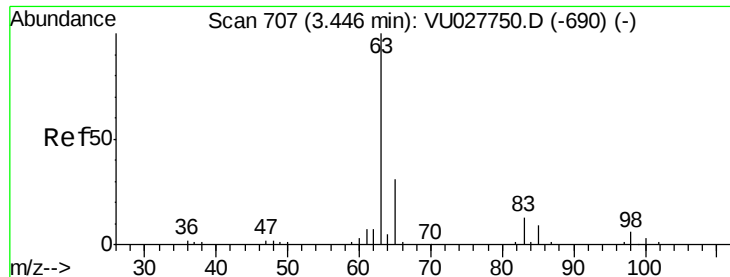
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#16
trans-1,2-Dichloroethene
Concen: 9.132 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion:	96	Resp:	34240
Ion	Ratio	Lower	Upper
96	100		
61	164.7	131.8	197.6
98	64.0	51.2	76.8





#17
 1,1-Dichloroethane
 Concen: 9.320 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

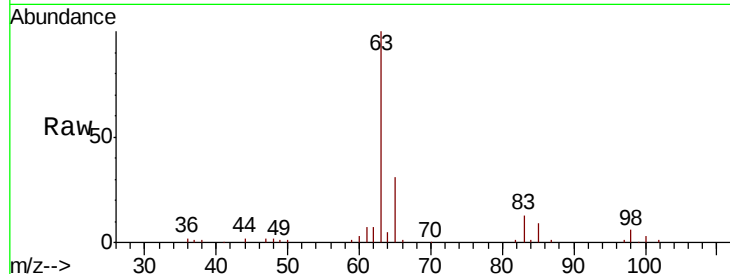
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:	63	Resp:	72948
Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.8	8.4
100	3.0	1.5	4.5

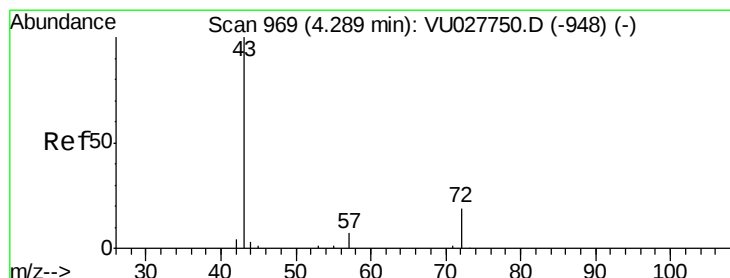
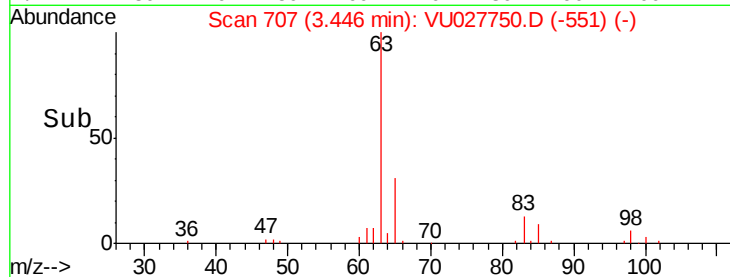
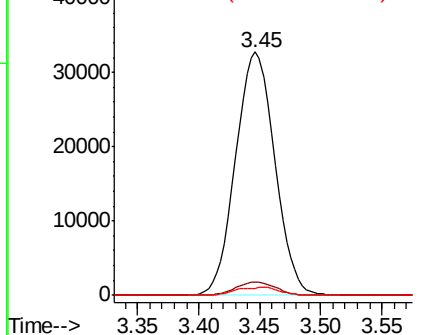
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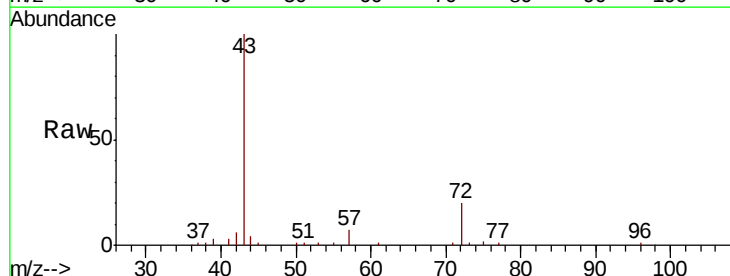


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

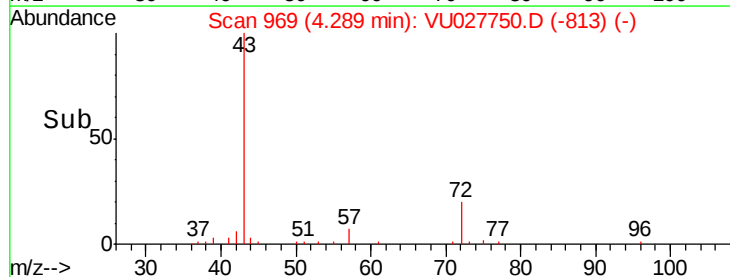
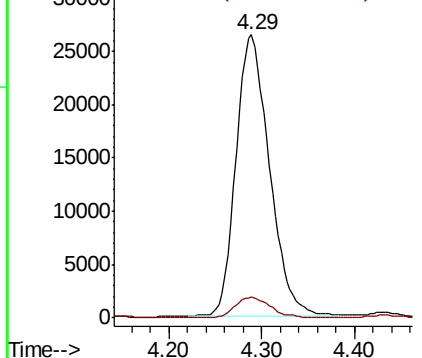


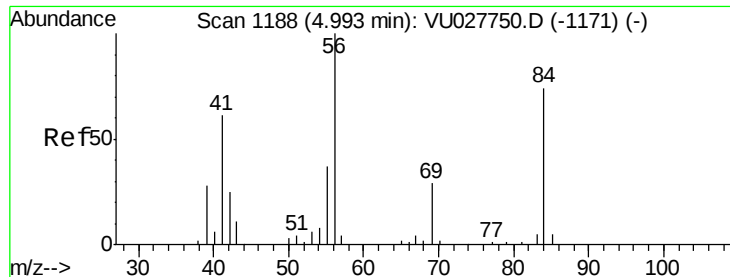
#18
 2-Butanone
 Concen: 46.113 ug/l
 RT: 4.29 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

Tgt Ion:	43	Resp:	66369
Ion	Ratio	Lower	Upper
43	100		
57	7.2	0.0	14.4



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#19
Cyclohexane
Concen: 9.291 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

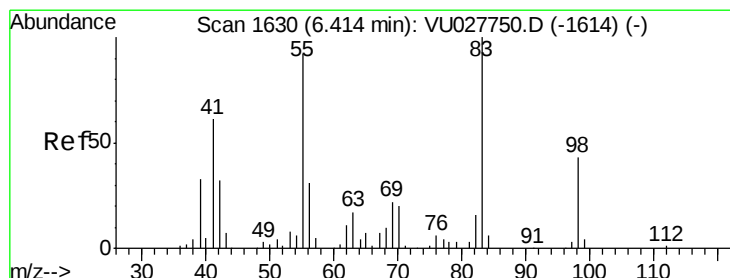
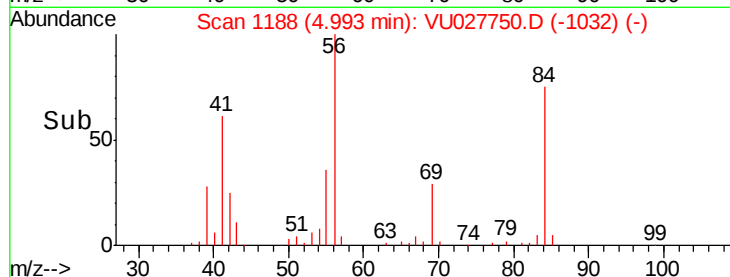
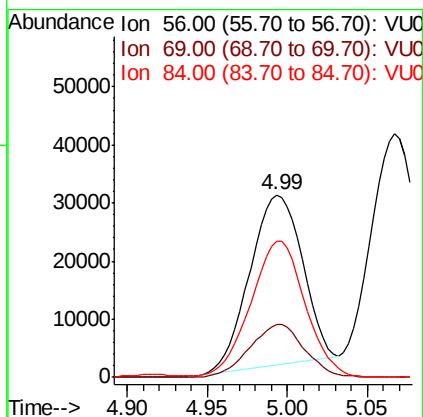
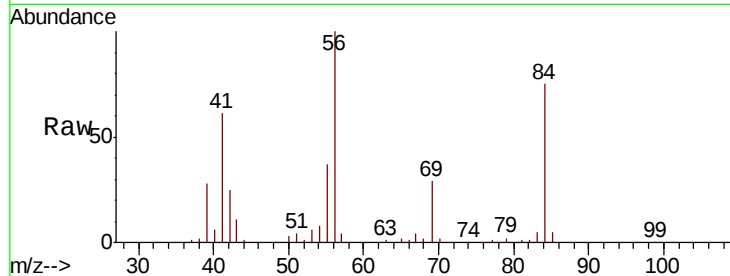
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:	56	Resp:	66532
Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.9	38.9
84	82.4	65.9	98.9

Manual Integrations
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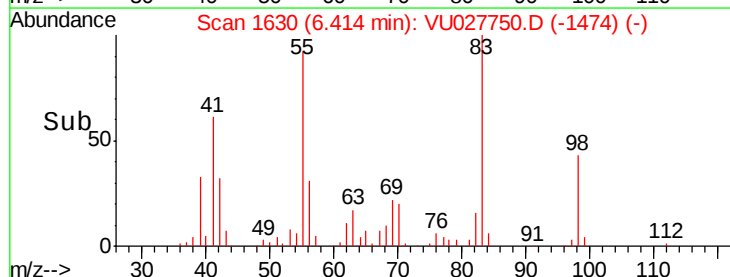
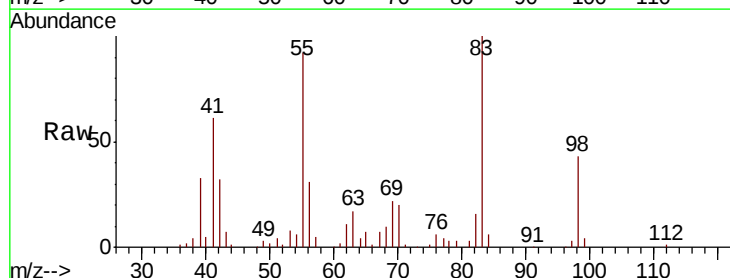
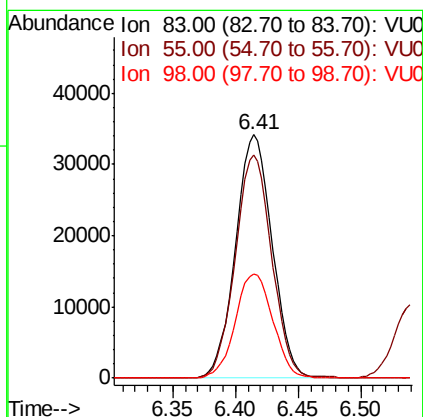
sam

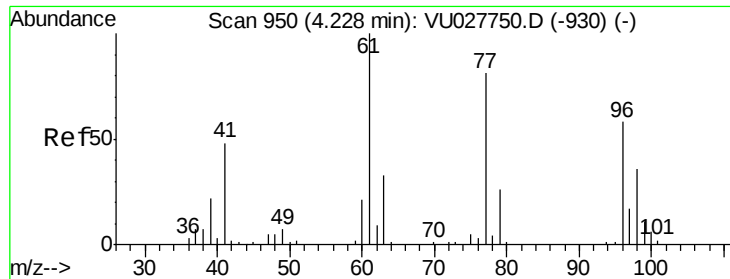
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#20
Methylcyclohexane
Concen: 9.915 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion:	83	Resp:	69371
Ion	Ratio	Lower	Upper
83	100		
55	90.7	72.6	108.8
98	43.7	35.0	52.4





#21
 2,2-Dichloropropane
 Concen: 9.107 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

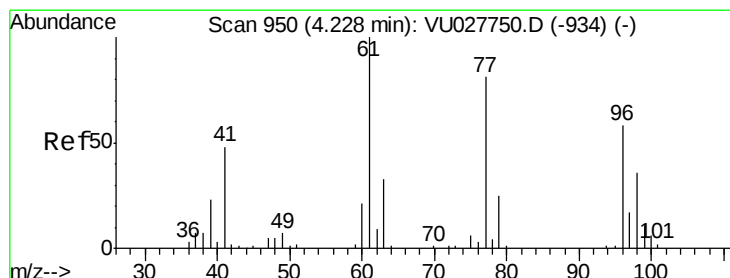
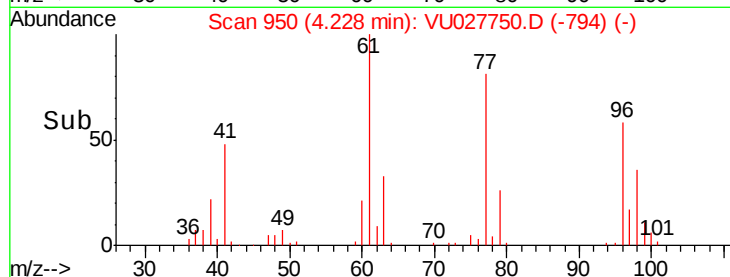
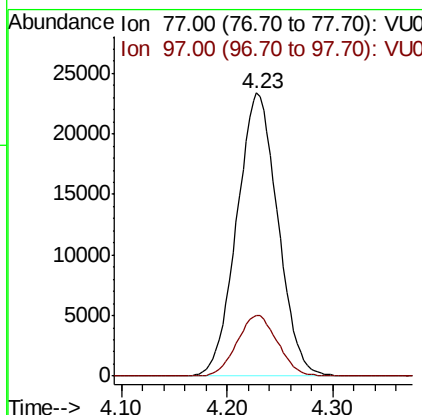
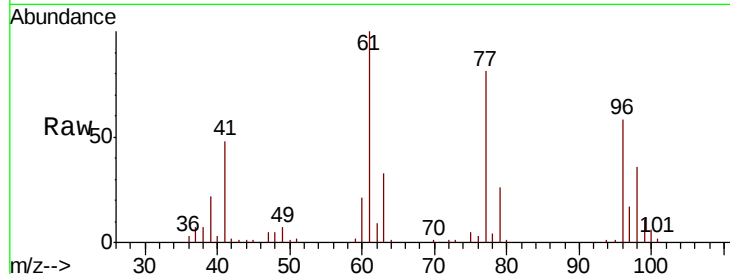
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC010

Tot Ion: 77 Resp: 63165
 Ion Ratio Lower Upper
 77 100
 97 21.1 16.9 25.3

Manual Integrations
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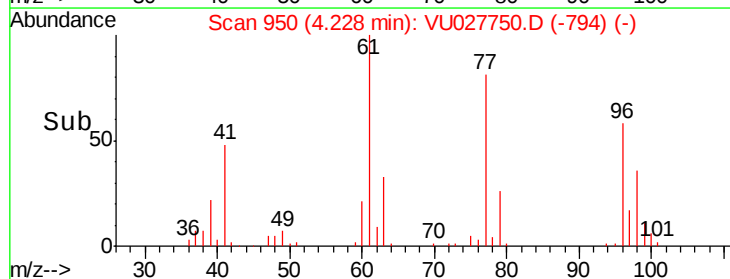
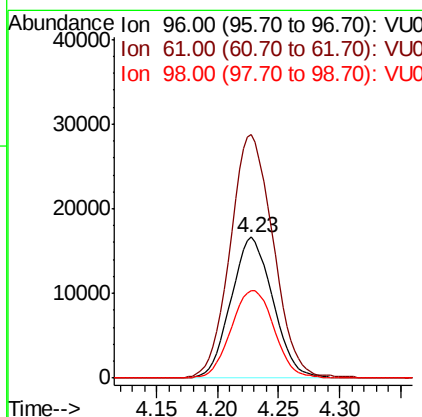
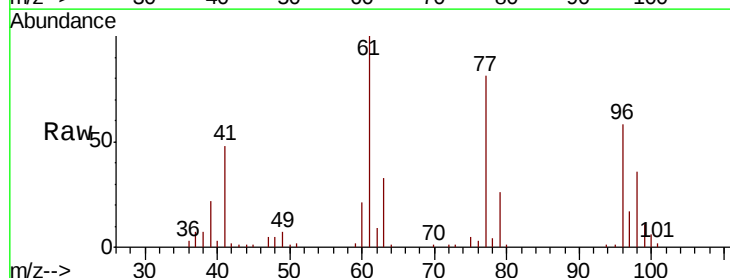
sam

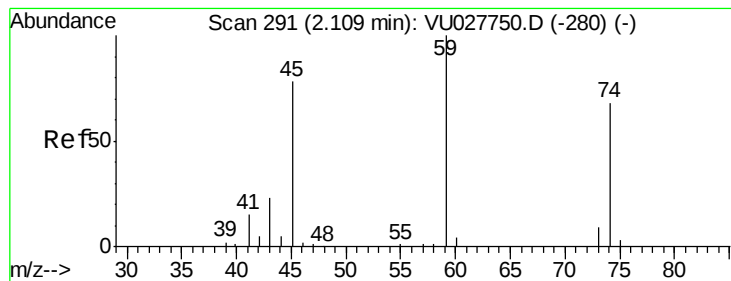
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#22
 cis-1,2-Dichloroethene
 Concen: 9.319 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

Tgt Ion: 96 Resp: 39663
 Ion Ratio Lower Upper
 96 100
 61 177.6 0.0 444.0
 98 63.7 31.9 95.5





#23

Diethyl Ether

Concen: 9.233 ug/l

RT: 2.11 min Scan# 291

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampled :

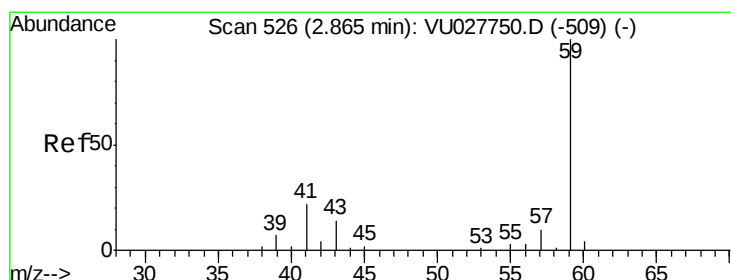
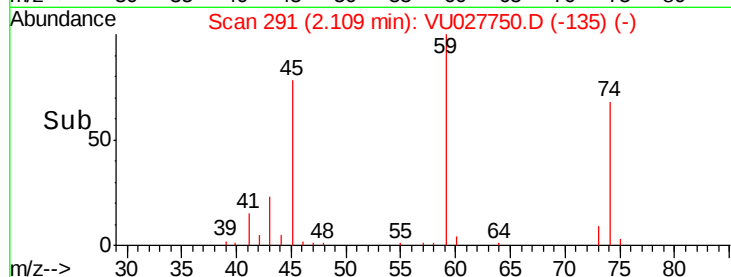
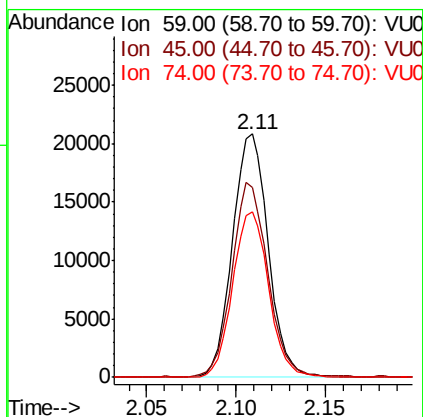
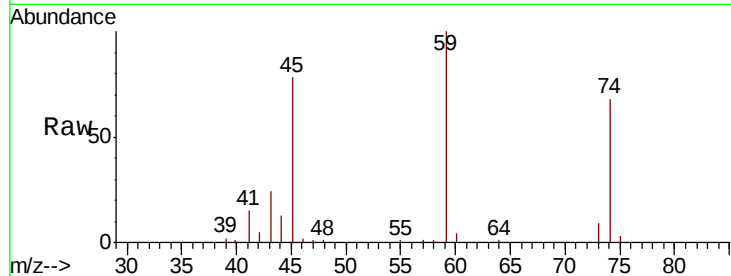
VSTDICCC010

Tot Ion:	59	Resp:	29095
Ion	Ratio	Lower	Upper
59	100		
45	80.7	64.6	96.8
74	68.5	54.8	82.2

Manual Integrations
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sam

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#24

tert-Butyl Alcohol

Concen: 103.653 ug/l m

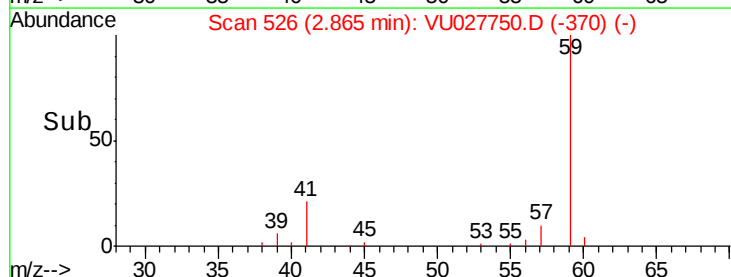
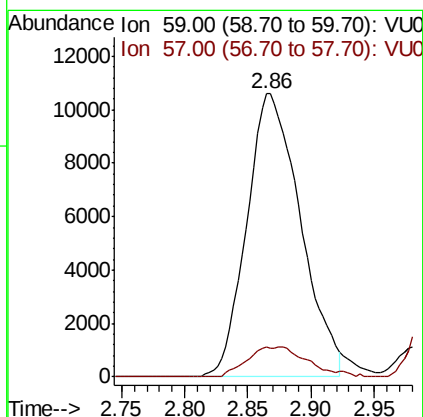
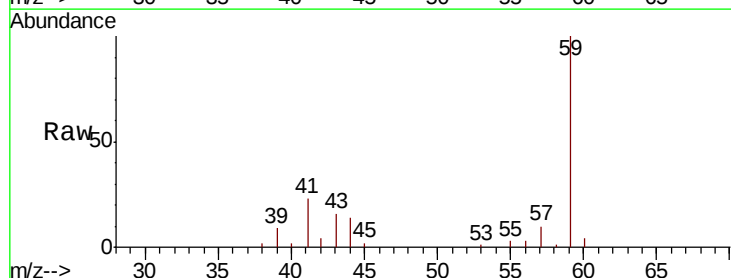
RT: 2.86 min Scan# 526

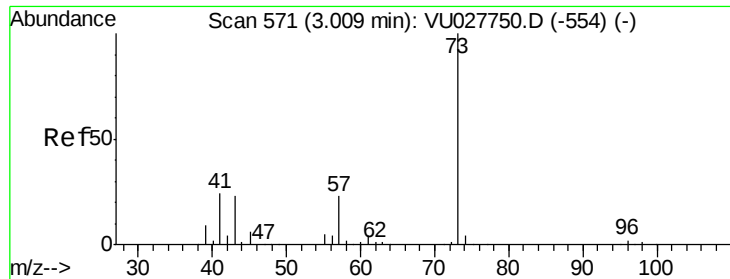
Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Tgt Ion:	59	Resp:	31276
Ion	Ratio	Lower	Upper
59	100		
57	5.6	4.4	6.6





#25

Methyl tert-Butyl Ether
 Concen: 9.116 ug/l
 RT: 3.01 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

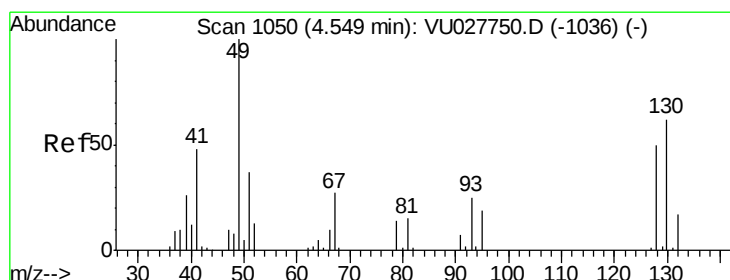
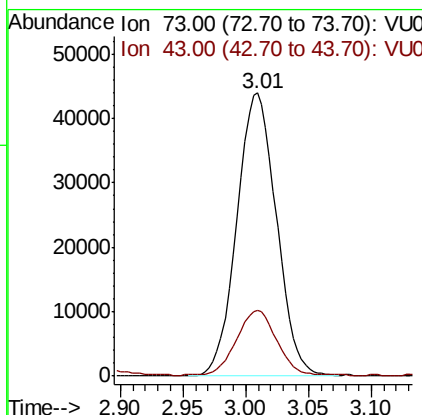
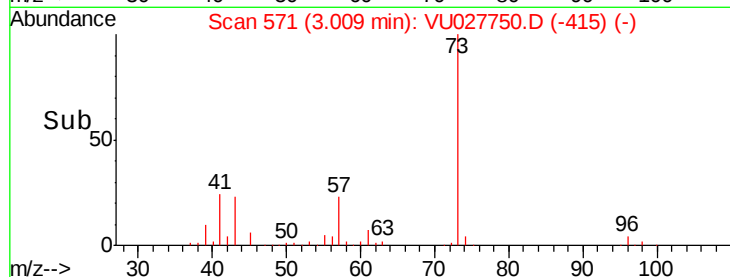
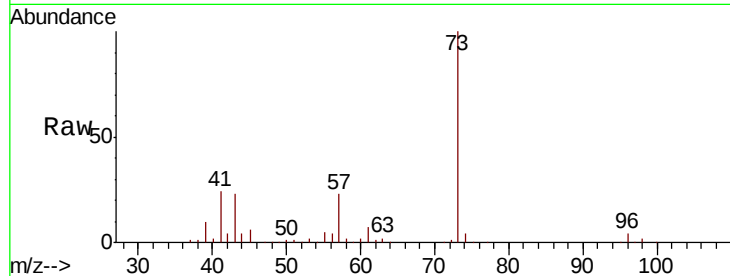
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	73	Resp	96451
Ion Ratio	100	Lower	Upper
73	100		
43	23.2	18.6	27.8

Manual Integrations
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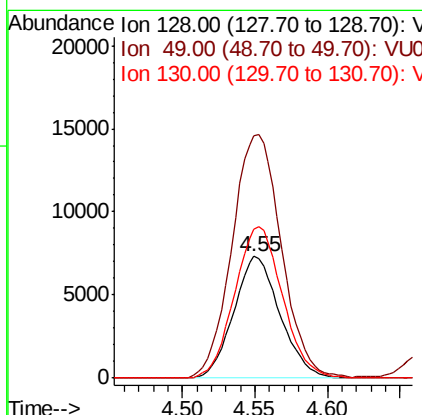
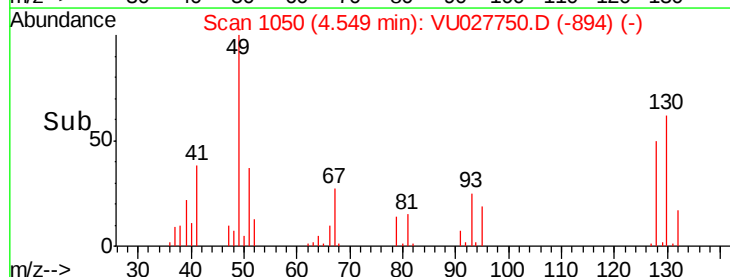
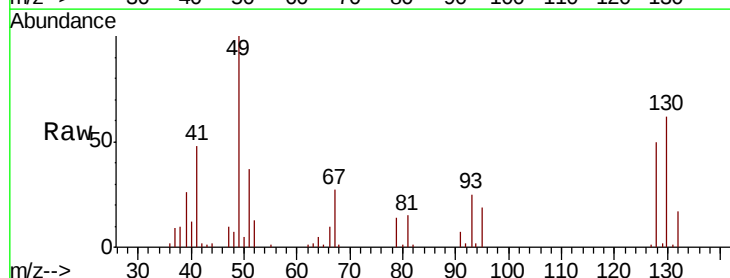
10/24/2018 2:19:03 PM

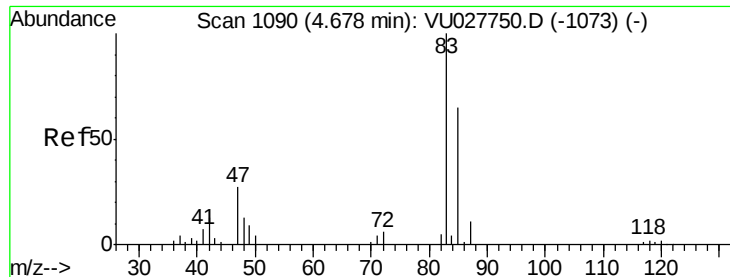


#26

Bromochloromethane
 Concen: 9.388 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

Tgt Ion	128	Resp	16178
Ion Ratio	100	Lower	Upper
128	100		
49	213.8	0.0	427.6
130	129.2	103.4	155.0





#27
Chloroform
Concen: 9.365 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

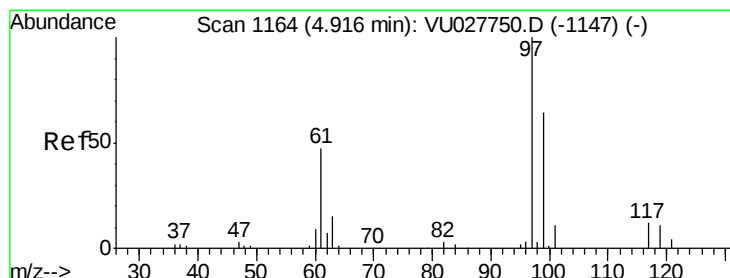
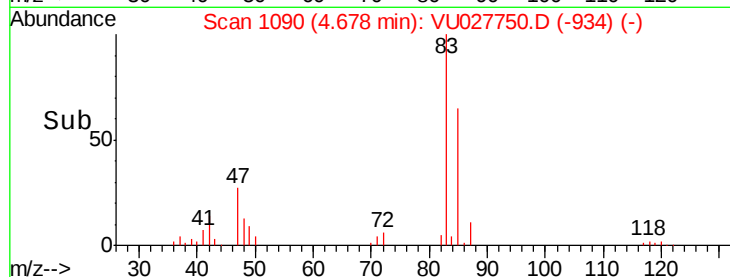
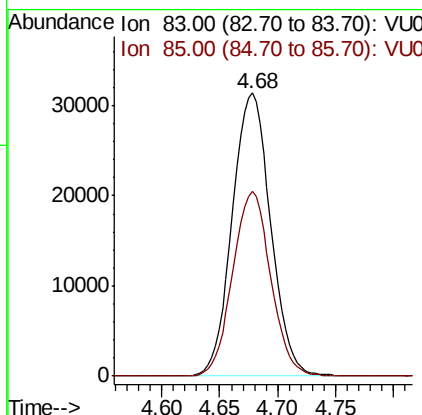
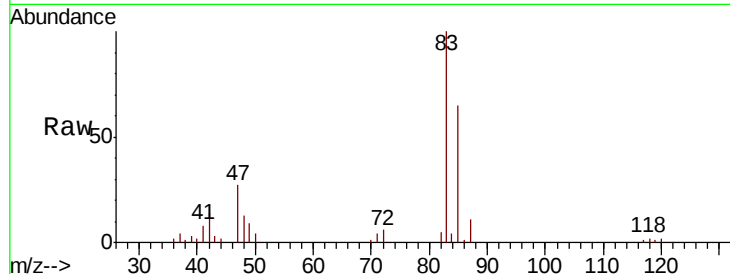
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	83.00	Resp	72311
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	0.0	130.2

Manual Integrations
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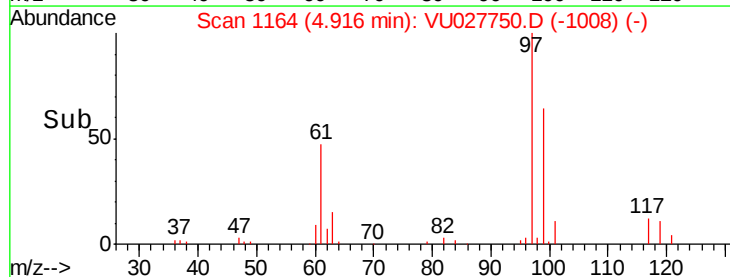
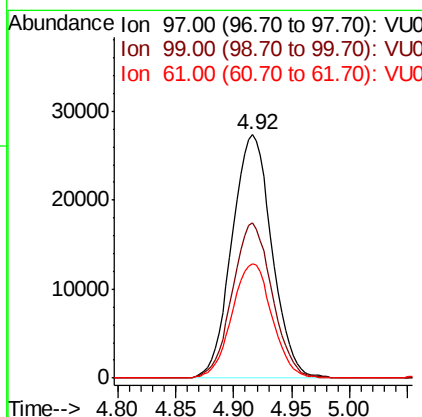
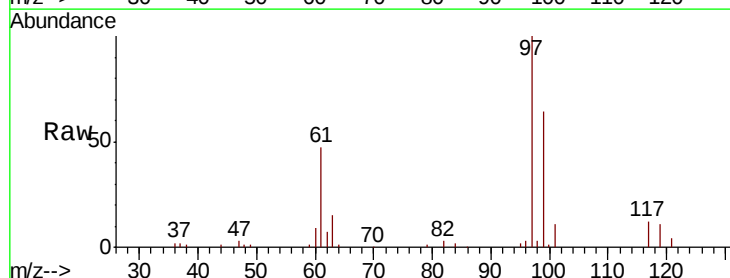
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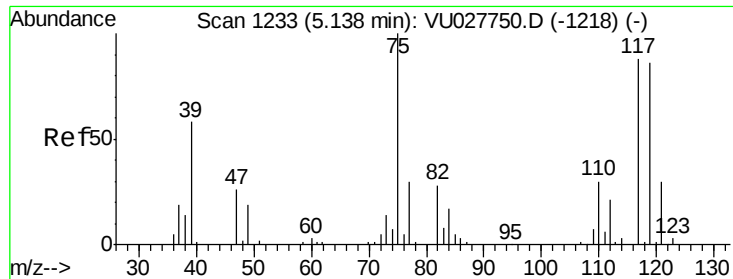
10/24/2018 2:19:03 PM



#28
1,1,1-Trichloroethane
Concen: 9.847 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion	97.00	Resp	65611
Ion Ratio	100	Lower	Upper
97	100		
99	63.6	31.8	95.4
61	47.2	23.6	70.8





#29
 1,1-Dichloropropene
 Concen: 9.889 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

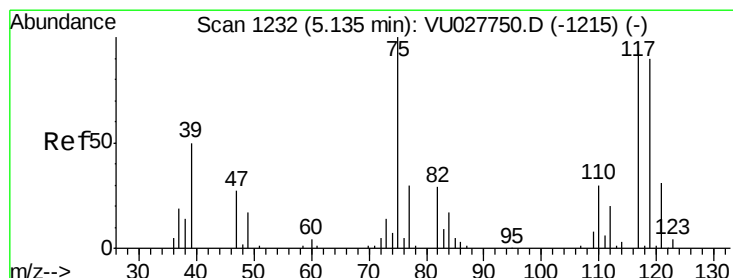
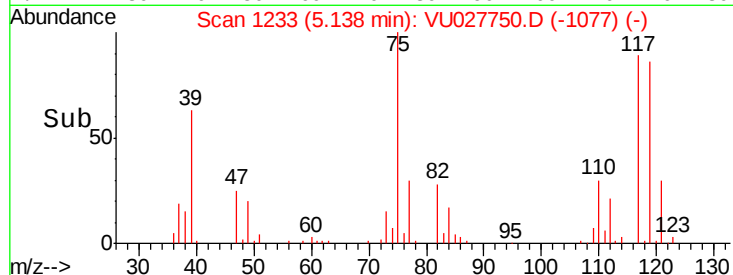
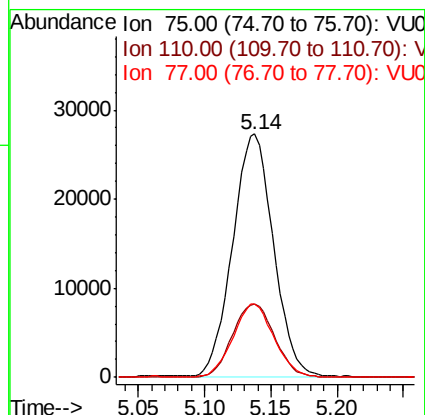
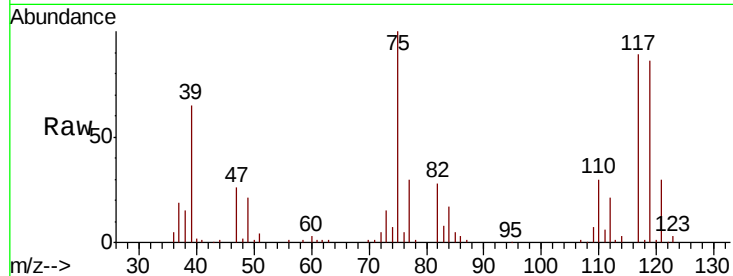
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:	75	Resp:	58050
Ion Ratio	Lower	Upper	
75	100		
110	31.2	15.6	46.8
77	30.6	24.5	36.7

Manual Integrations
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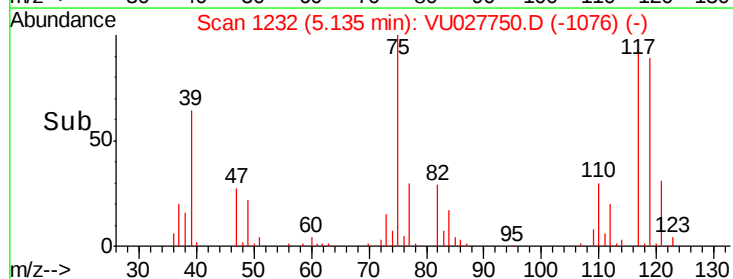
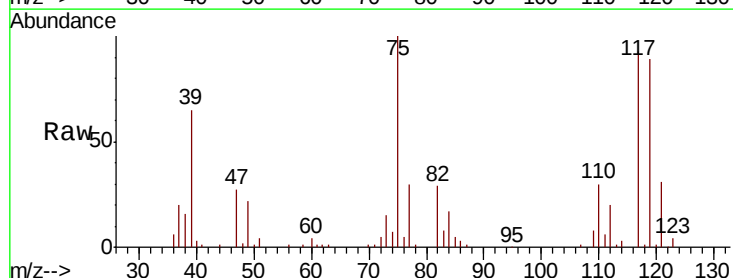
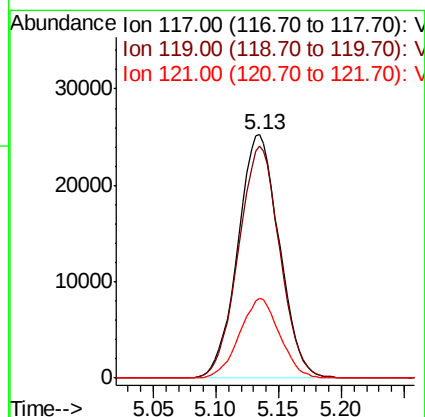
sam

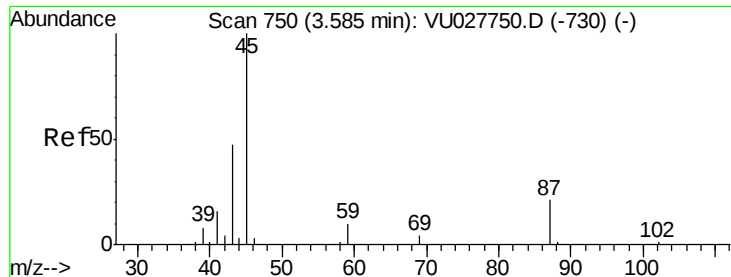
10/24/2018 2:19:03 PM



#30
 Carbon Tetrachloride
 Concen: 9.776 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

Tgt Ion:	117	Resp:	58038
Ion Ratio	Lower	Upper	
117	100		
119	95.3	76.2	114.4
121	33.0	26.4	39.6





#31

Isopropyl Ether

Concen: 9.254 ug/l

RT: 3.58 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 136072

Ion Ratio Lower Upper

45 100

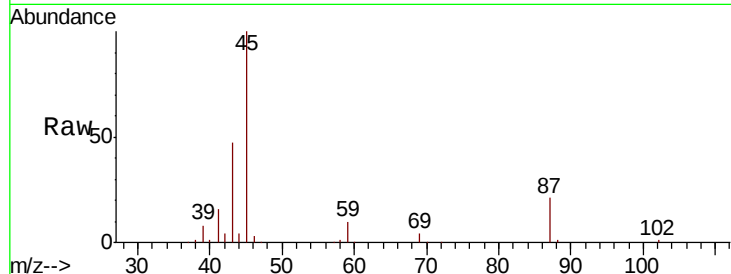
43 49.0 24.5 73.5

Manual Integrations

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sam

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Abundance Ion 45.00 (44.70 to 45.70): VU027750.D (-730) (-)

Ion 43.00 (42.70 to 43.70): VU027750.D (-730) (-)

60000

50000

40000

30000

20000

10000

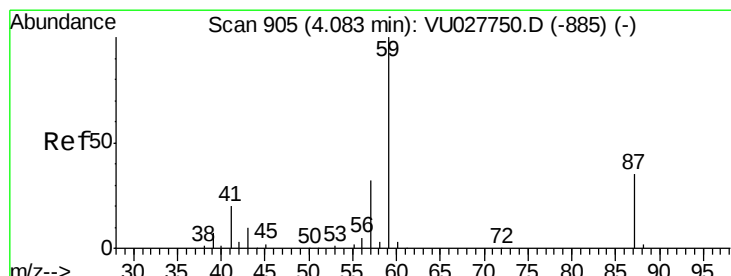
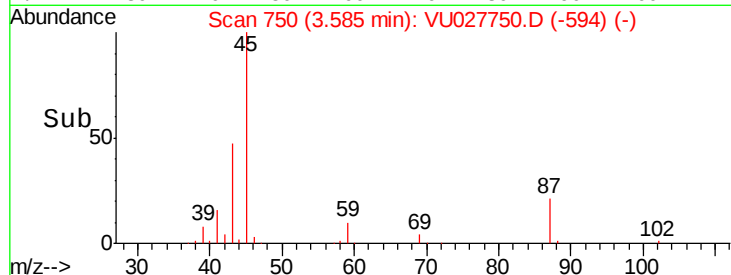
0

3.50

3.60

3.70

Time-->



#32

Ethyl-t-butyl ether

Concen: 9.165 ug/l

RT: 4.08 min Scan# 905

Delta R.T. 0.00 min

Lab File: VU027750.D

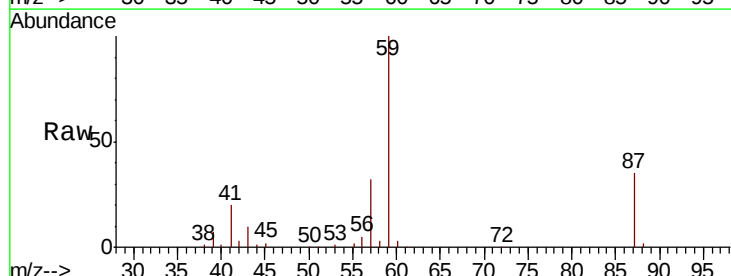
Acq: 22 Oct 2018 19:33

Tgt Ion: 59 Resp: 118910

Ion Ratio Lower Upper

59 100

87 36.7 29.4 44.0



Abundance Ion 59.00 (58.70 to 59.70): VU027750.D (-885) (-)

Ion 87.00 (86.70 to 87.70): VU027750.D (-885) (-)

50000

40000

30000

20000

10000

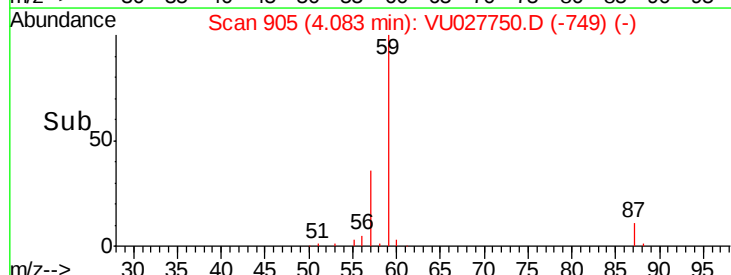
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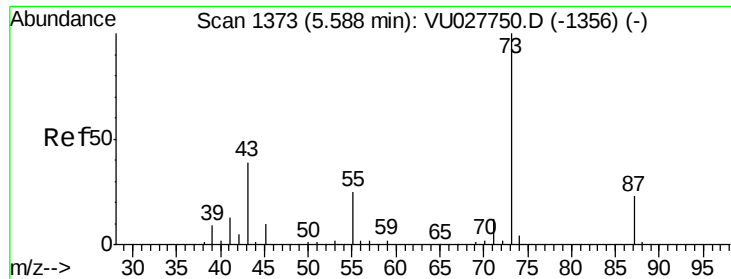
4.00

4.10

4.20

Time-->





#33
Tert-Amvl methvl ether
Concen: 9.403 ug/l
RT: 5.59 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

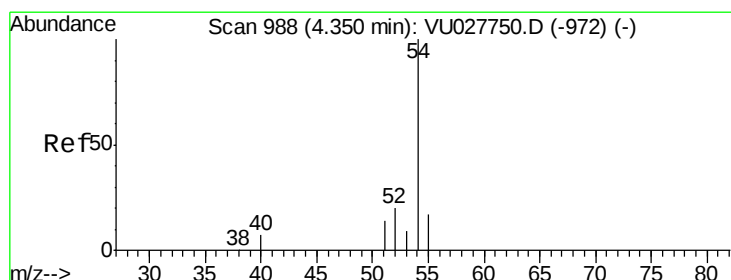
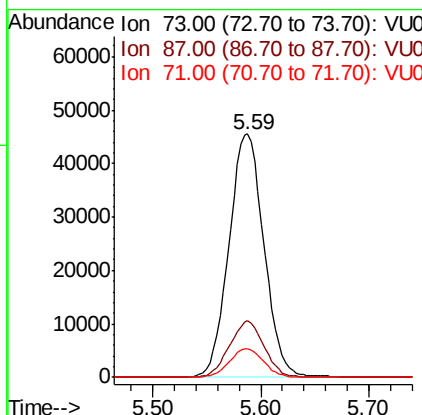
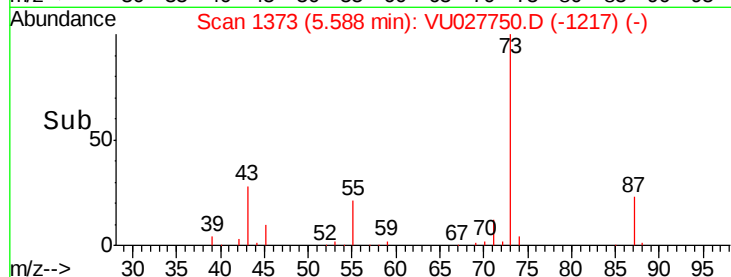
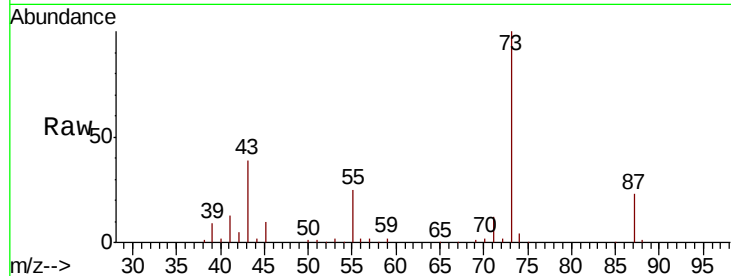
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:	73	Resp:	102472
Ion	Ratio	Lower	Upper
73	100		
87	23.1	18.5	27.7
71	11.4	9.1	13.7

Manual Integrations
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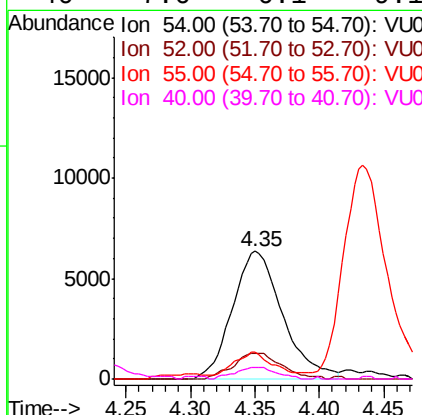
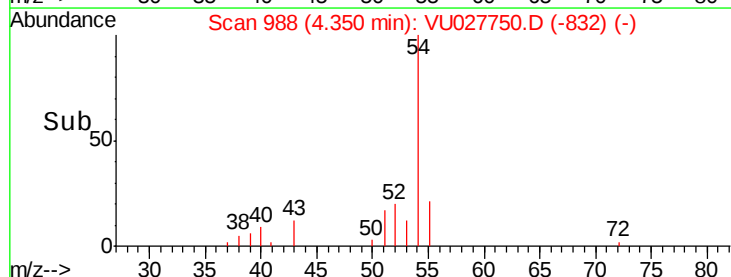
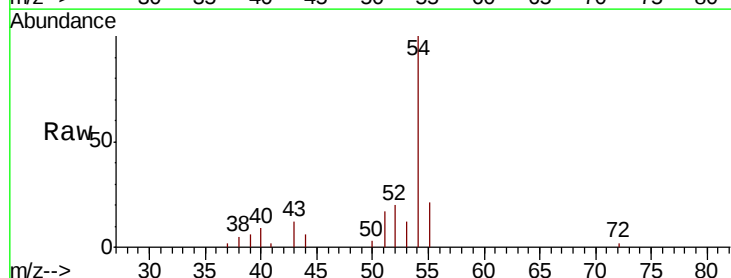
sam

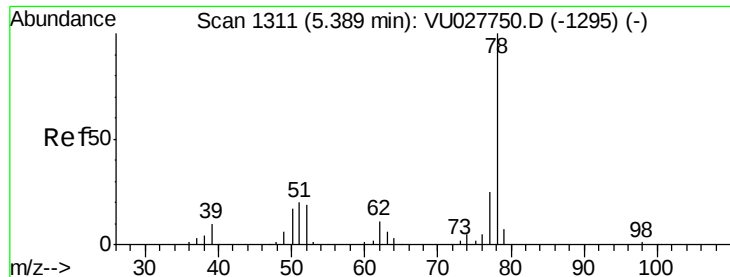
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#34
Propionitrile
Concen: 44.484 ug/l
RT: 4.35 min Scan# 988
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion:	54	Resp:	17197
Ion	Ratio	Lower	Upper
54	100		
52	19.4	15.5	23.3
55	15.7	12.6	18.8
40	7.6	6.1	9.1





#35

Benzene

Concen: 9.721 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 78 Resp: 160548

Ion Ratio Lower Upper

78 100

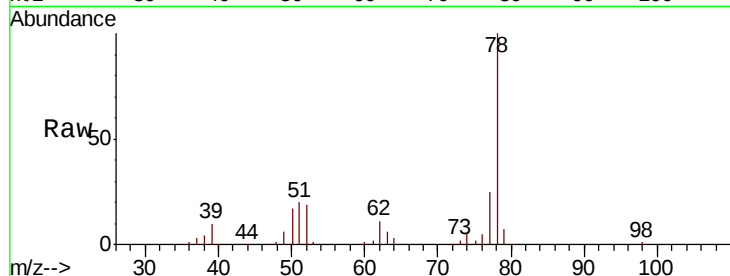
77 24.9 19.9 29.9

Manual Integrations

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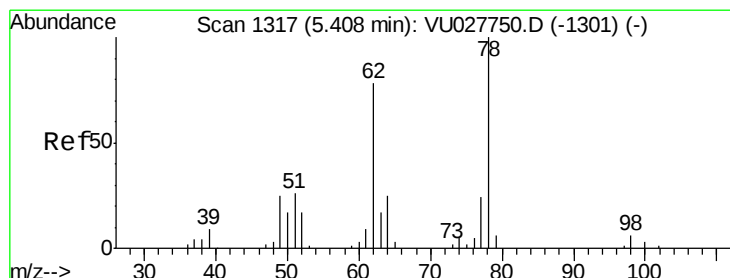
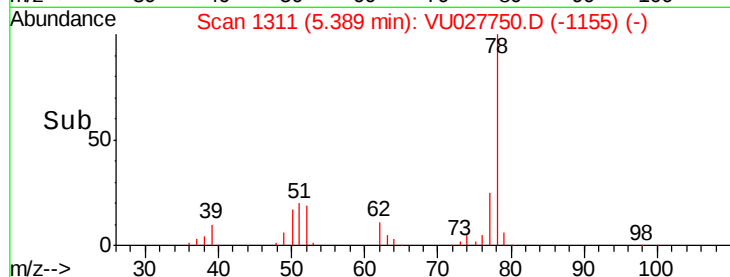
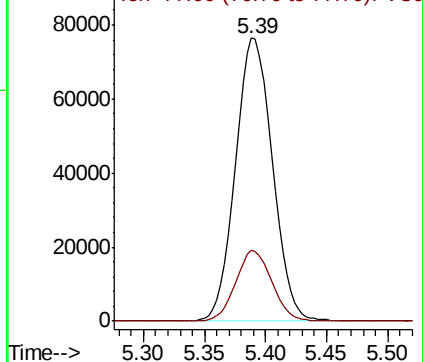
sam

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 10.071 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU027750.D

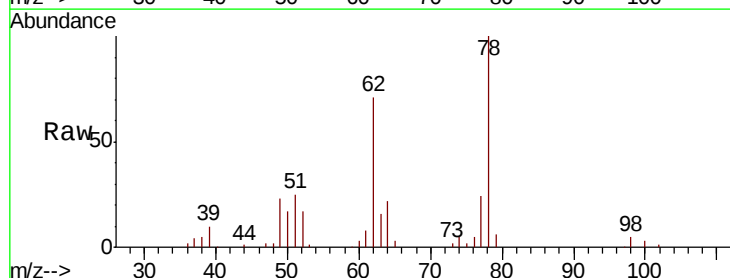
Acq: 22 Oct 2018 19:33

Tgt Ion: 62 Resp: 53030

Ion Ratio Lower Upper

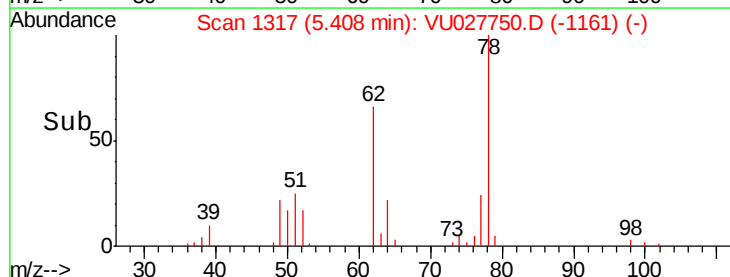
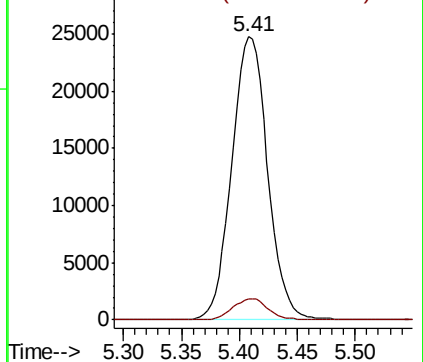
62 100

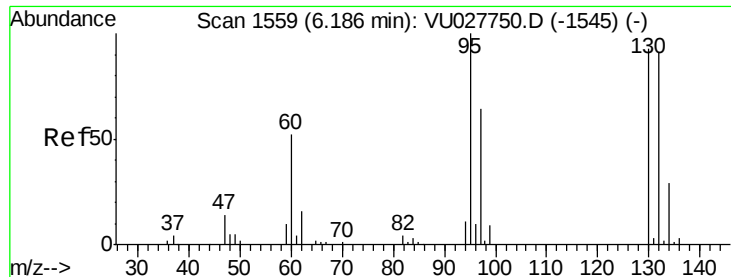
98 7.2 5.8 8.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37
 Trichloroethene
 Concen: 9.547 ug/l
 RT: 6.19 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

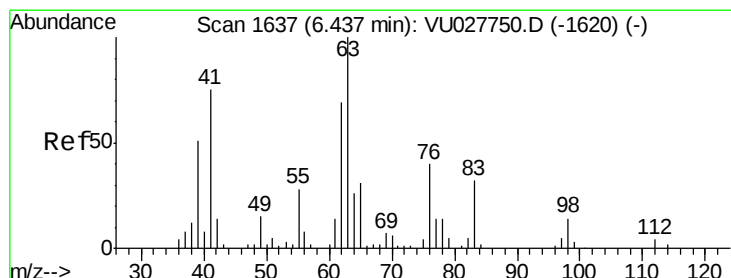
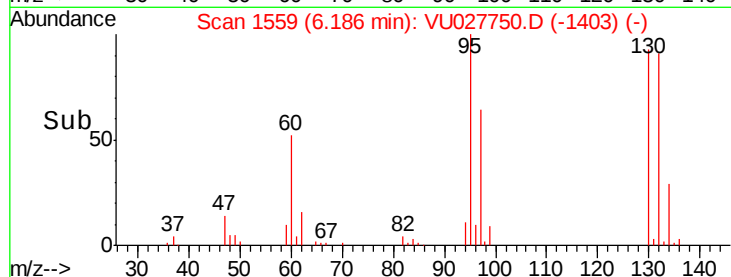
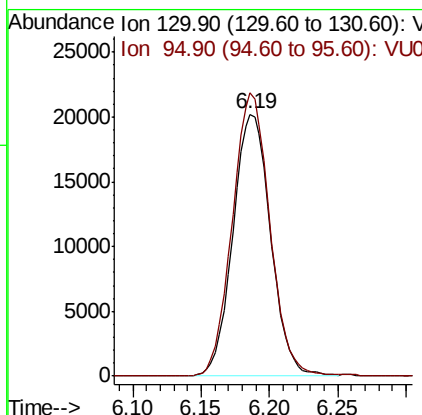
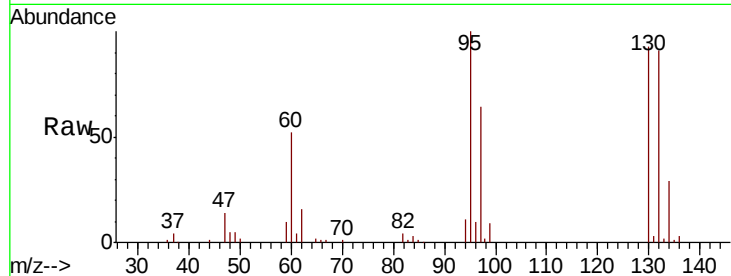
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:130 Resp: 38840
 Ion Ratio Lower Upper
 130 100
 95 108.0 86.4 129.6

Manual Integrations
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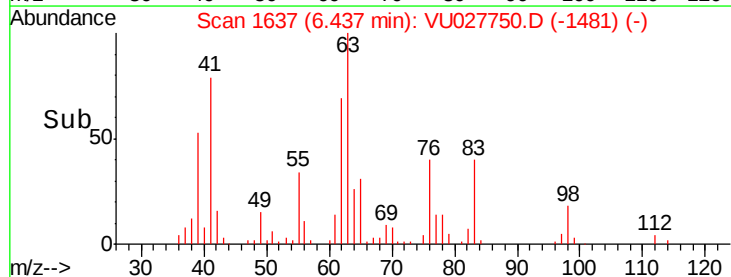
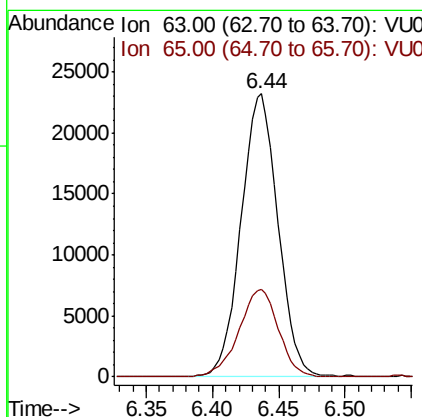
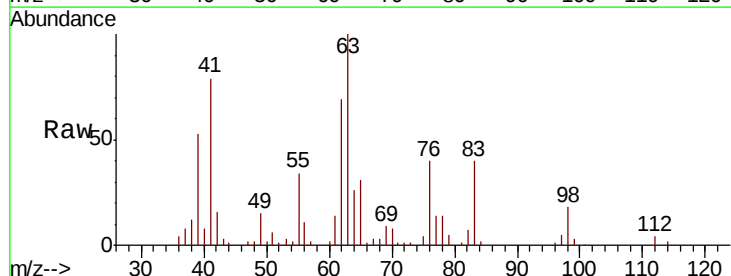
sam

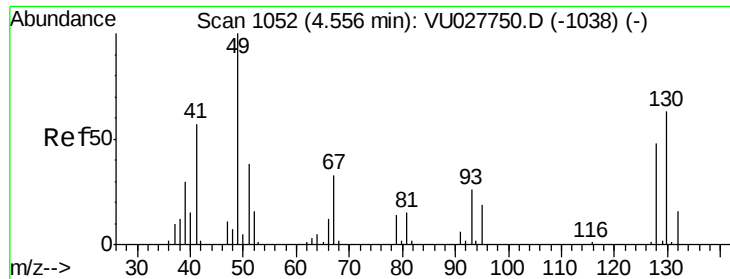
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#38
 1,2-Dichloropropane
 Concen: 9.646 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

Tgt Ion: 63 Resp: 44939
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.9 37.3





#39
Methacrylonitrile
Concen: 9.665 ug/l
RT: 4.56 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

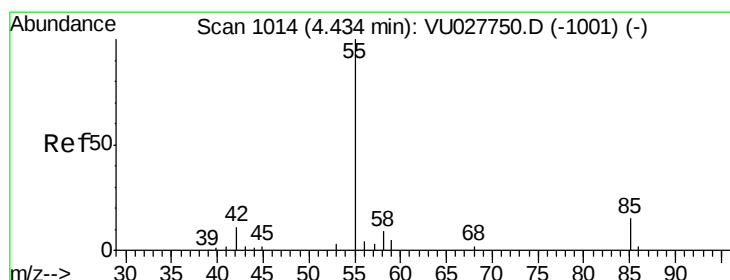
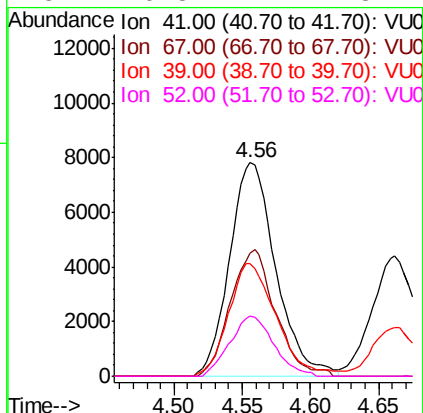
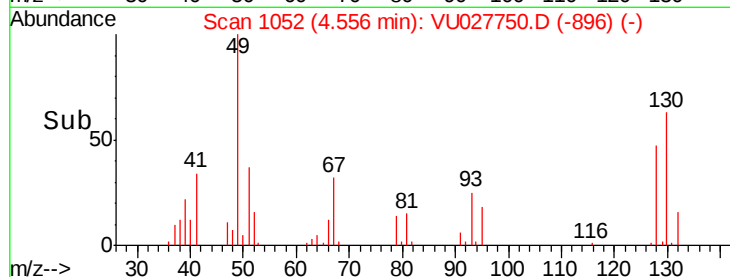
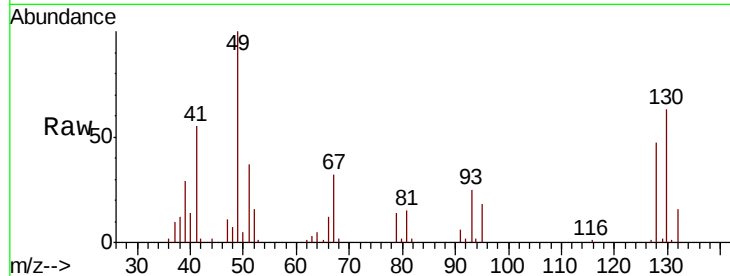
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
67	57.6	46.1	69.1	
39	54.5	43.6	65.4	
52	26.8	21.4	32.2	

Manual Integrations
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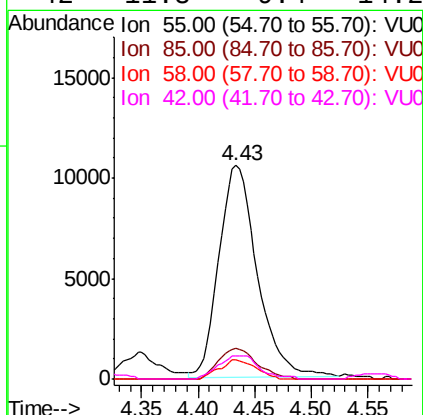
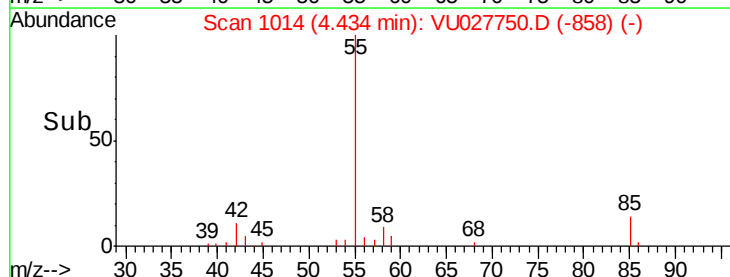
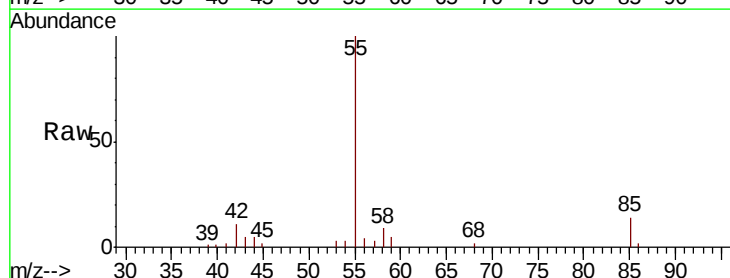
sam

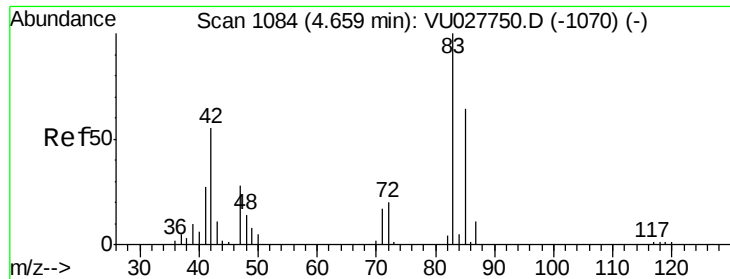
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#40
Methyl acrylate
Concen: 9.558 ug/l
RT: 4.43 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion	Ion	Ratio	Lower	Upper
55	100			
85	14.7	11.8	17.6	
58	8.7	7.0	10.4	
42	11.8	9.4	14.2	





#41
Tetrahydrofuran
Concen: 18.388 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

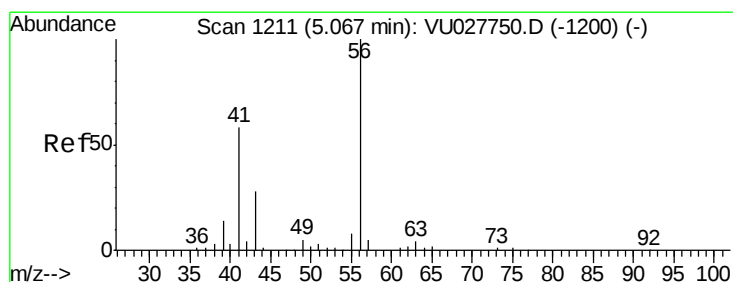
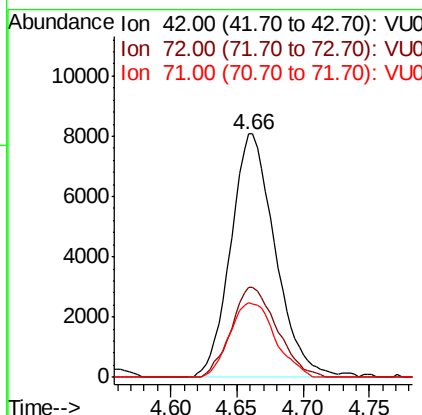
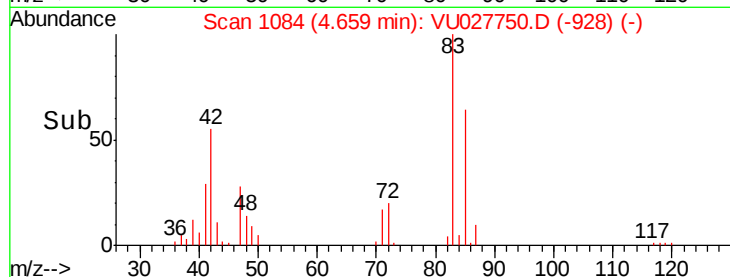
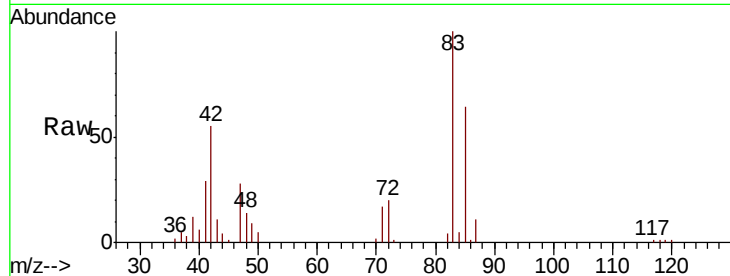
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.6	45.8
71	31.5	25.2	37.8

Manual Integrations
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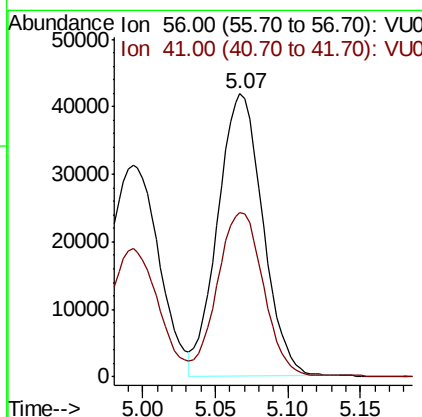
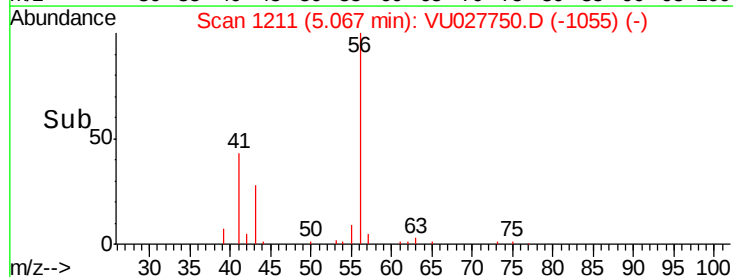
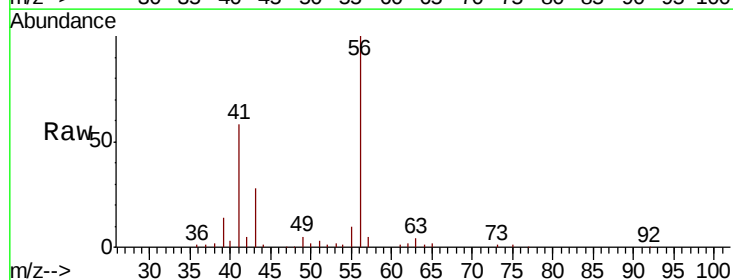
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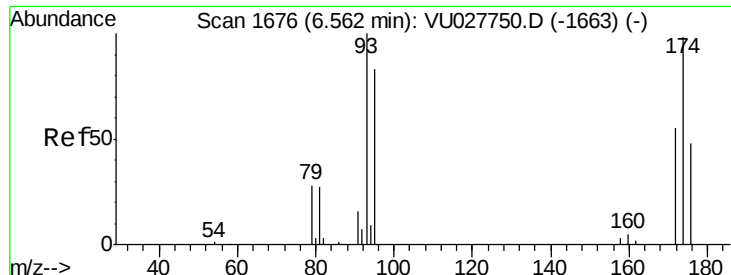
10/24/2018 2:19:03 PM



#42
1-Chlorobutane
Concen: 9.801 ug/l
RT: 5.07 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion	Ratio	Lower	Upper
56	100		
41	58.8	29.4	88.2





#43
 Dibromomethane
 Concen: 10.061 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

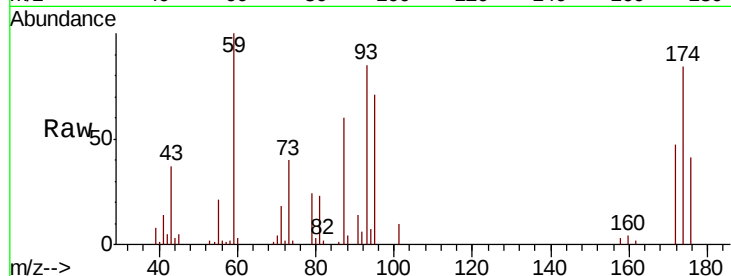
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
93	100		
95	80.2	64.2	96.2
174	95.9	76.7	115.1

Manual Integrations
 APPROVED

sam

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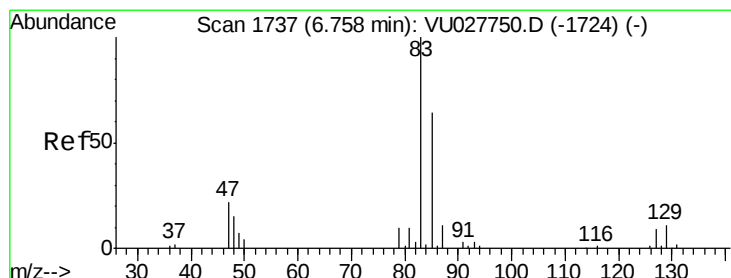
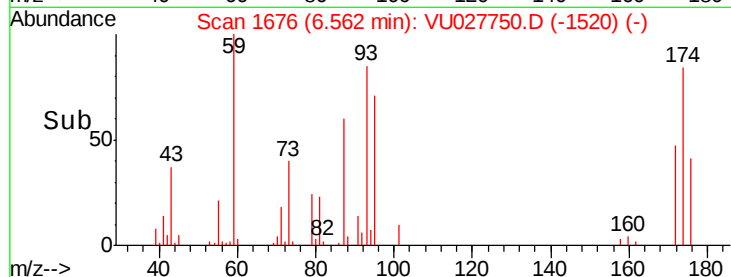
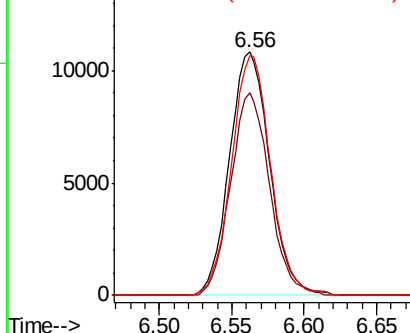


Abundance

Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44
 Bromodichloromethane
 Concen: 9.939 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

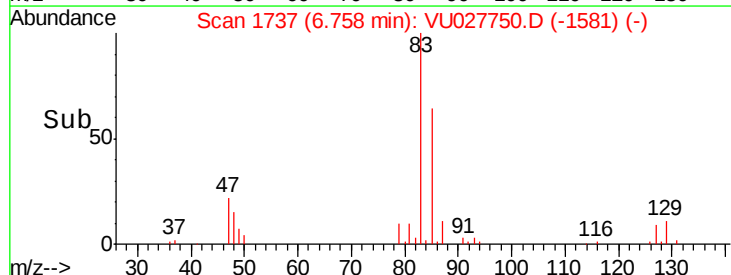
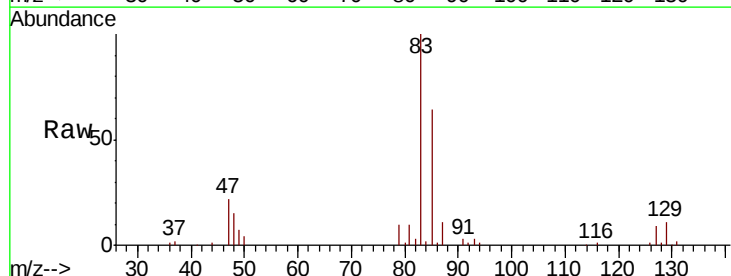
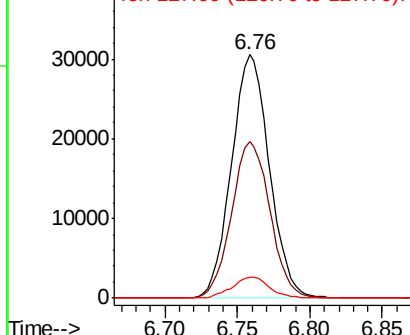
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3
127	8.7	7.0	10.4

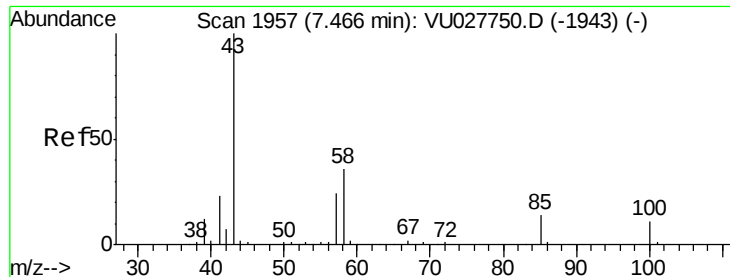
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





#45
4-Methyl-2-Pentanone
Concen: 47.167 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

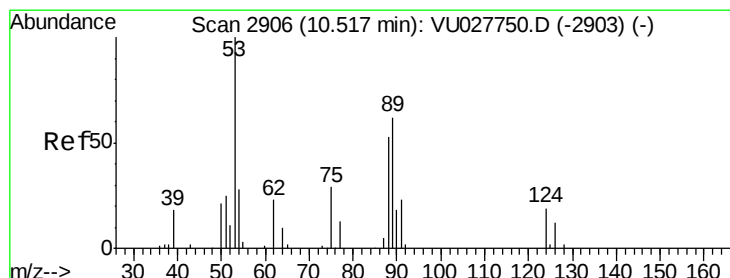
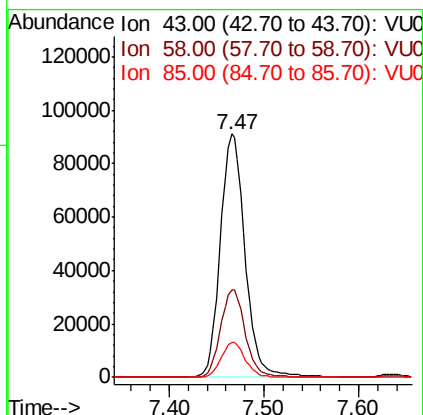
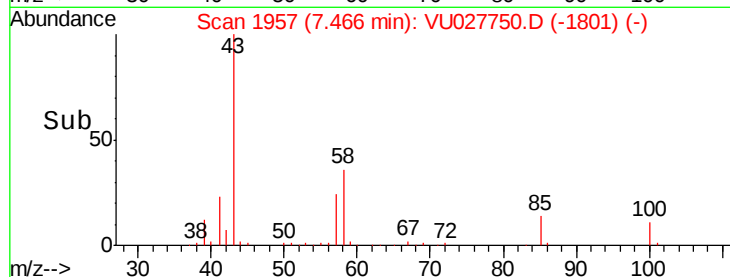
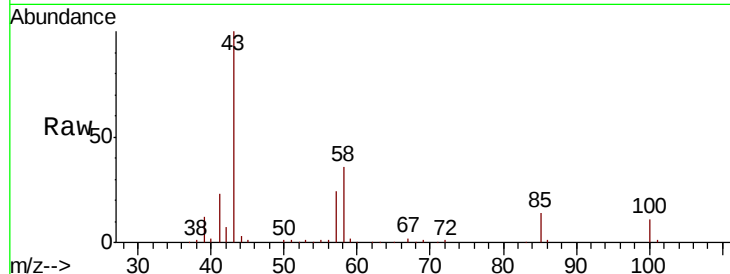
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:	43	Resp:	165657
Ion	Ratio	Lower	Upper
43	100		
58	35.9	17.9	53.8
85	14.2	11.4	17.0

Manual Integrations
APPROVED

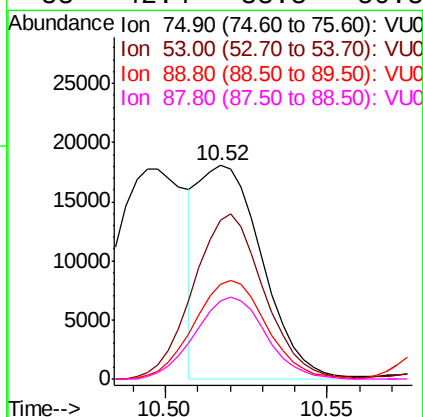
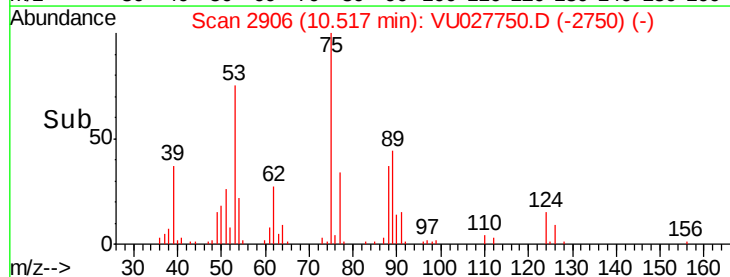
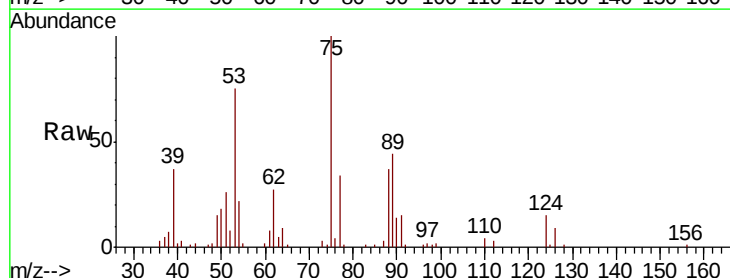
sam

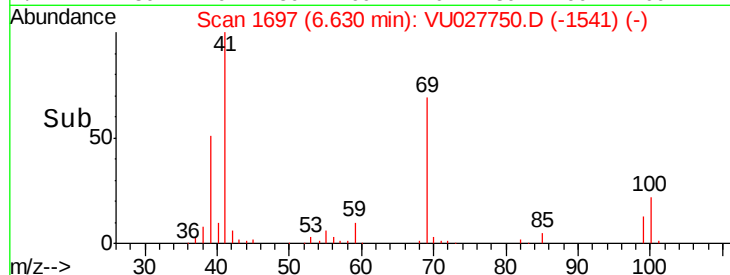
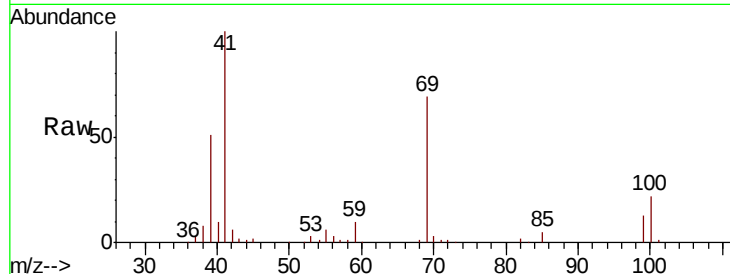
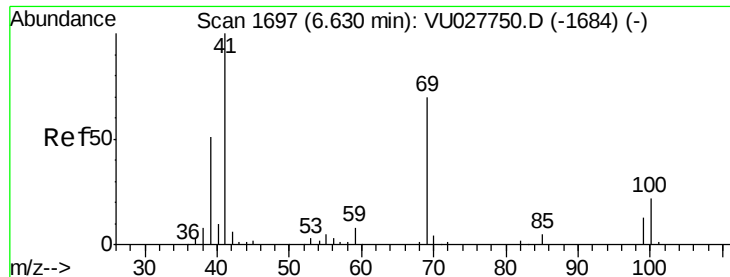
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#46
t-1,4-Dichloro-2-butene
Concen: 19.056 ug/l m
RT: 10.52 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion:	75	Resp:	24745
Ion	Ratio	Lower	Upper
75	100		
53	85.6	68.2	102.4
89	52.4	41.8	62.6
88	42.4	33.8	50.8





#47
Methyl methacrylate
Concen: 19.557 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

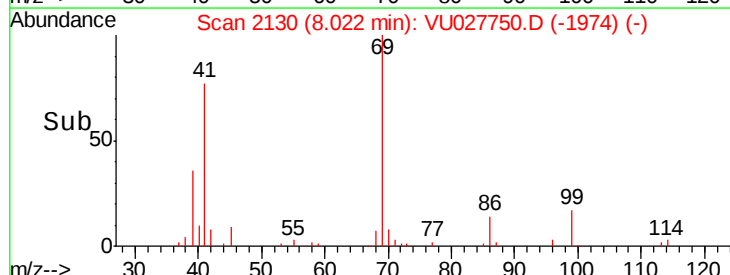
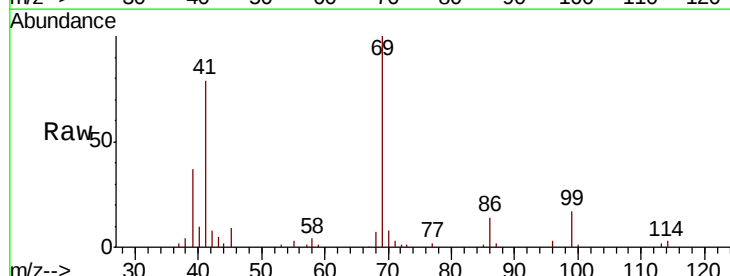
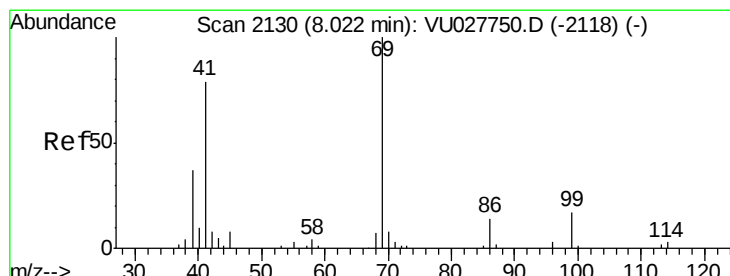
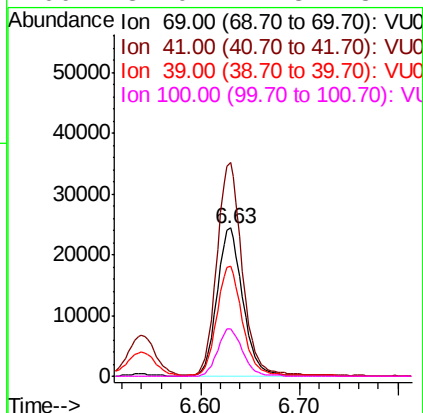
Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	140.6	0.0	281.2		
39	73.3	58.6	88.0		
100	31.0	24.8	37.2		

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

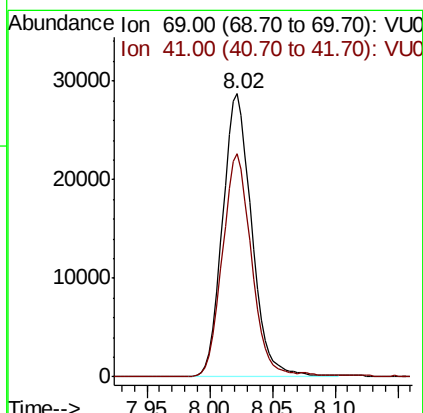
sam

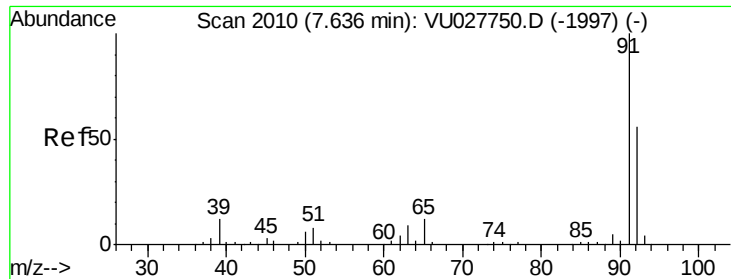
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#48
Ethyl methacrylate
Concen: 9.455 ug/l
RT: 8.02 min Scan# 2130
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	78.1	39.1	117.2		





#49

Toluene

Concen: 9.660 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC010

Tot Ion: 92 Resp: 96544

Ion Ratio Lower Upper

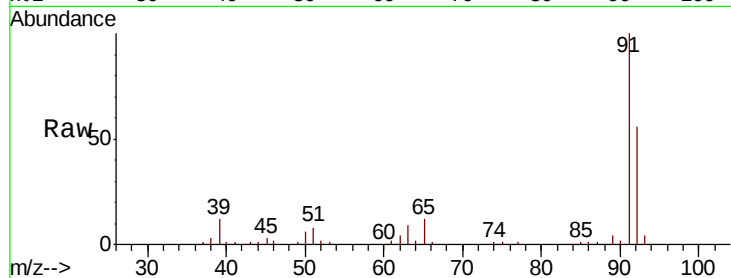
92 100

91 177.3 141.8 212.8

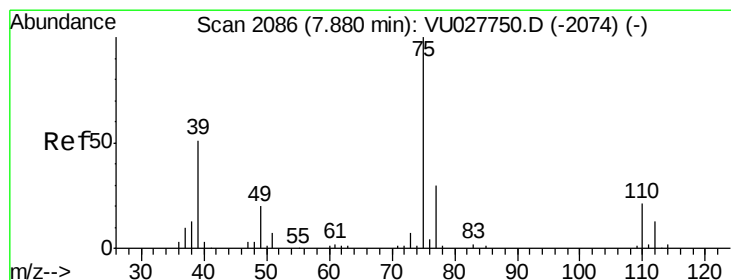
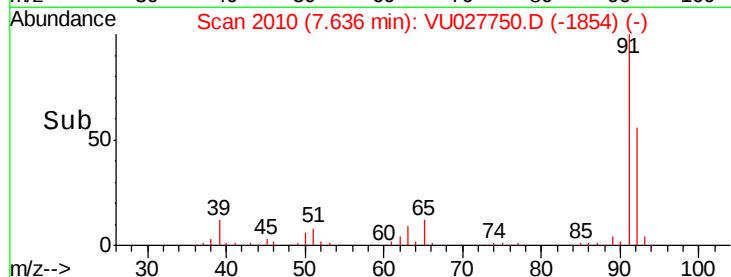
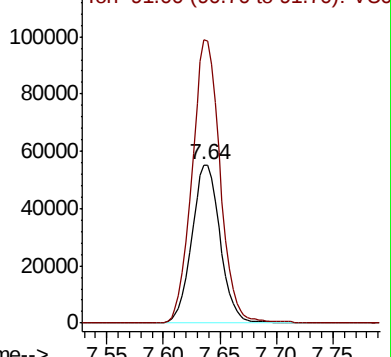
Manual Integrations
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Abundance Ion 92.00 (91.70 to 92.70): VU027750.D (-1997) (-)



#50

t-1,3-Dichloropropene

Concen: 10.021 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027750.D

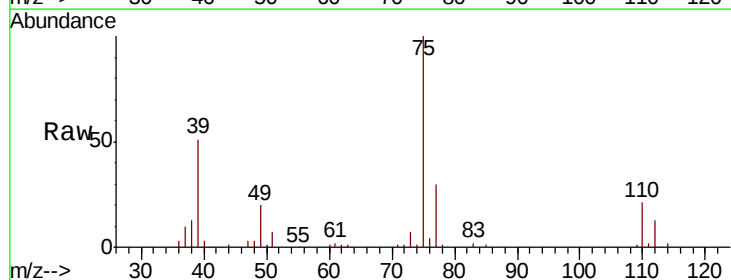
Acq: 22 Oct 2018 19:33

Tgt Ion: 75 Resp: 56758

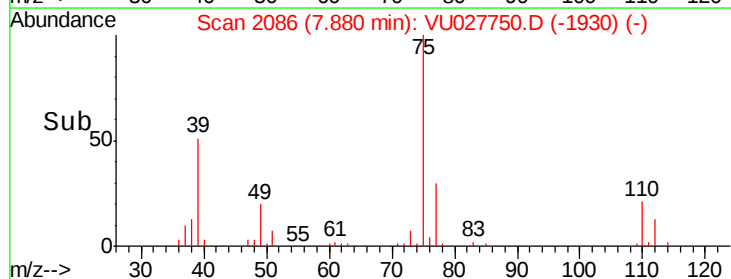
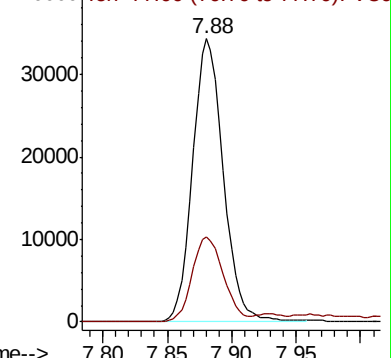
Ion Ratio Lower Upper

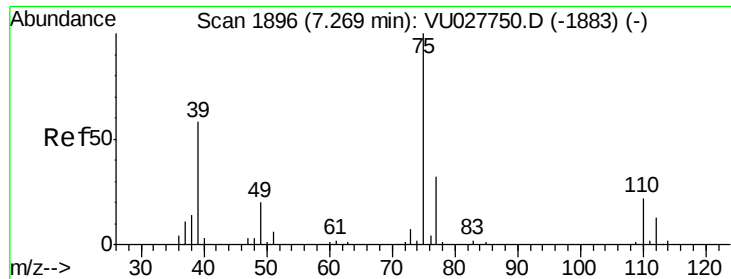
75 100

77 30.1 24.1 36.1



Abundance Ion 75.00 (74.70 to 75.70): VU027750.D (-2074) (-)





#51

cis-1,3-Dichloropropene
Concen: 9.872 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

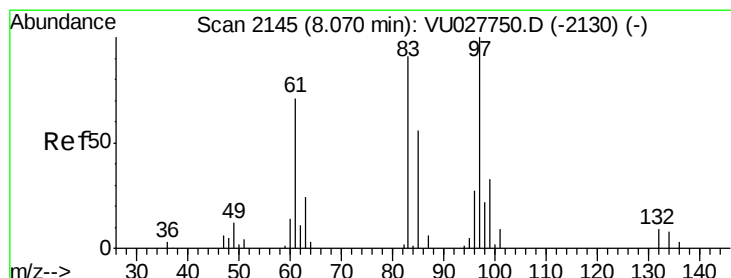
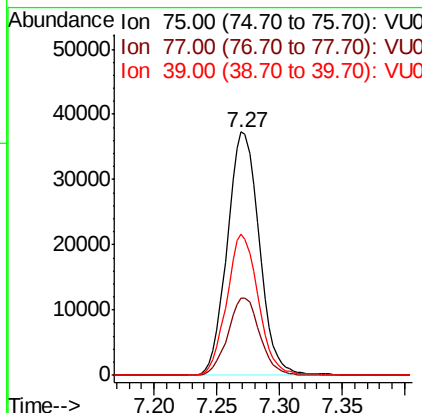
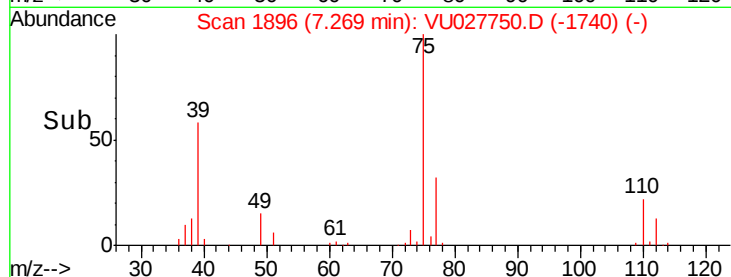
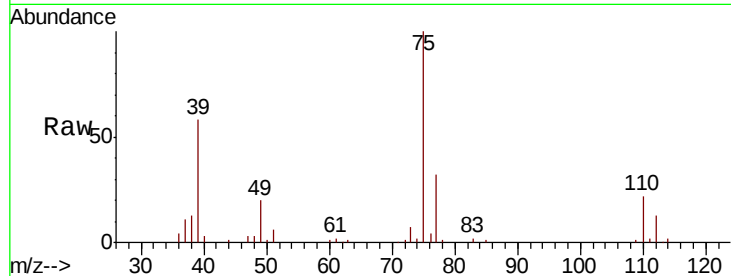
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:	75	Resp:	66327
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.3	37.9
39	58.0	46.4	69.6

Manual Integrations
APPROVED

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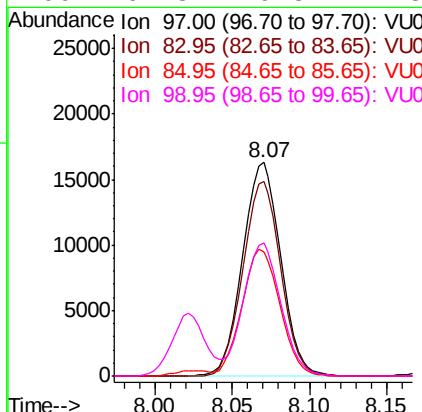
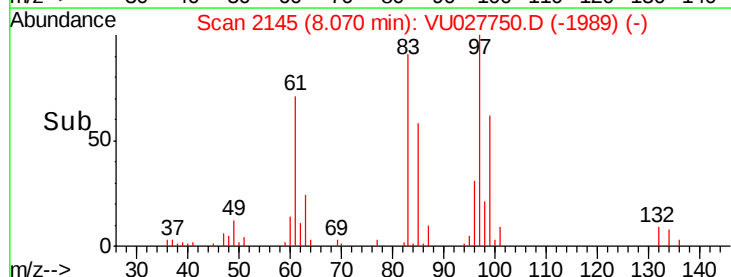
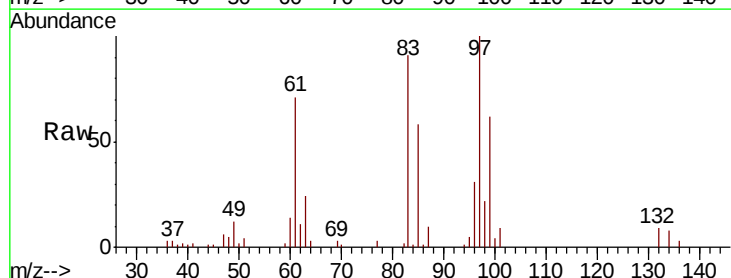
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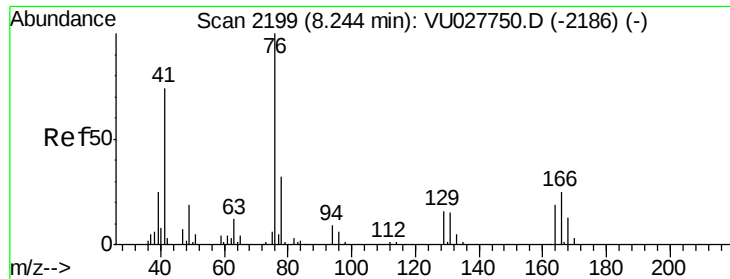


#52

1,1,2-Trichloroethane
Concen: 9.543 ug/l
RT: 8.07 min Scan# 2145
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion:	97	Resp:	28002
Ion Ratio	Lower	Upper	
97	100		
83	91.3	73.0	109.6
85	58.1	46.5	69.7
99	62.3	49.8	74.8





#53
 1,3-Dichloropropane
 Concen: 9.826 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

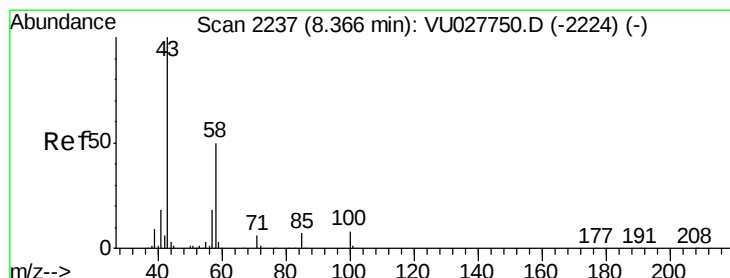
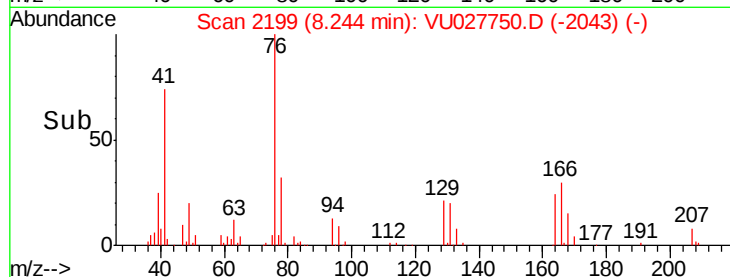
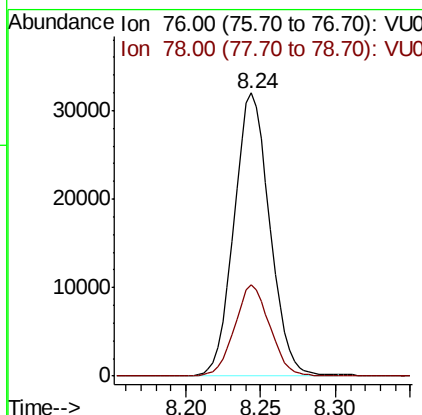
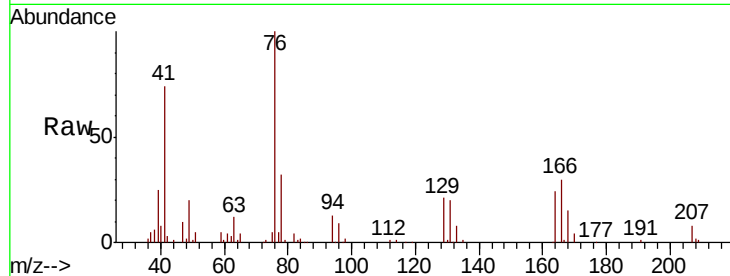
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion: 76 Resp: 53284
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0

Manual Integrations
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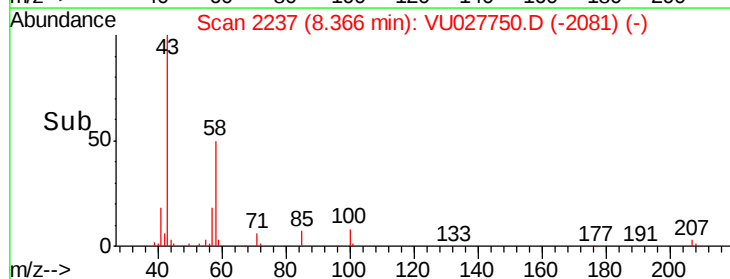
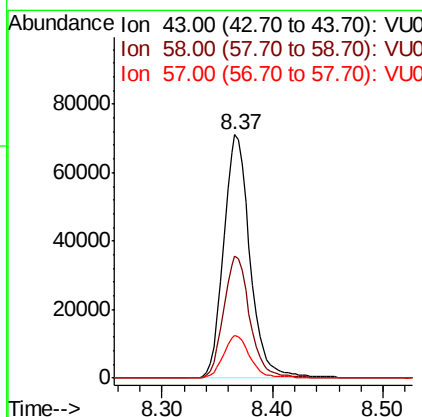
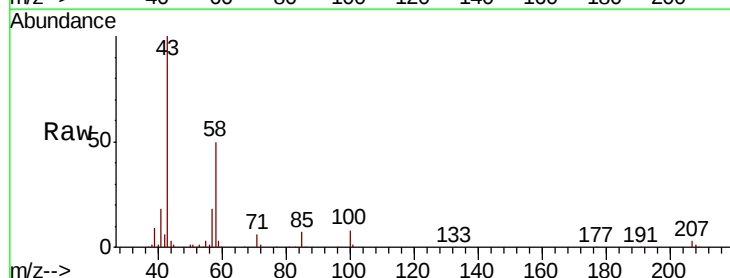
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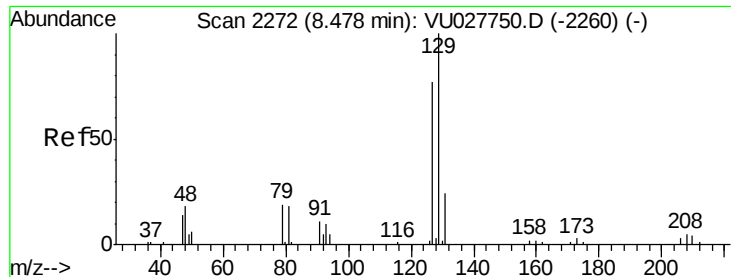
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#54
 2-Hexanone
 Concen: 45.677 ug/l
 RT: 8.37 min Scan# 2237
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

Tgt Ion: 43 Resp: 118185
 Ion Ratio Lower Upper
 43 100
 58 50.0 30.0 70.0
 57 17.7 0.0 37.7





#55
 Dibromochloromethane
 Concen: 9.896 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

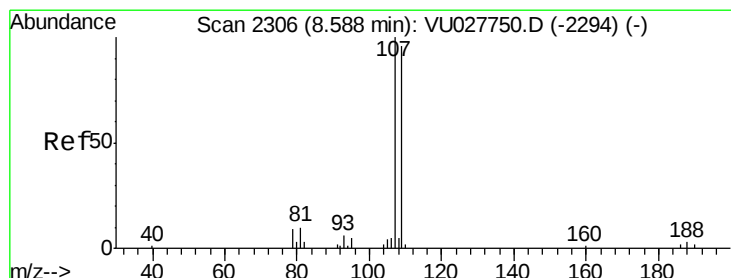
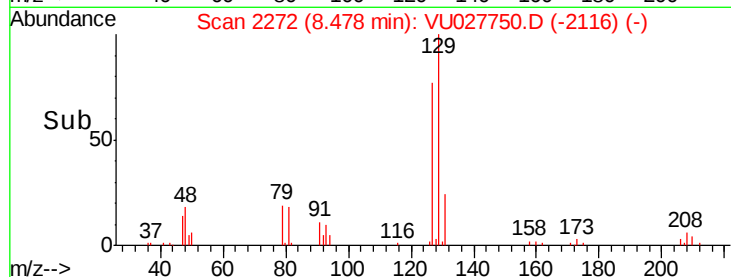
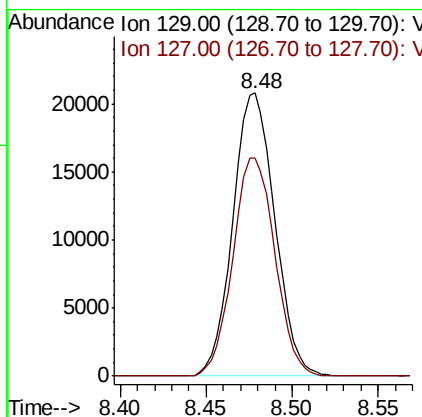
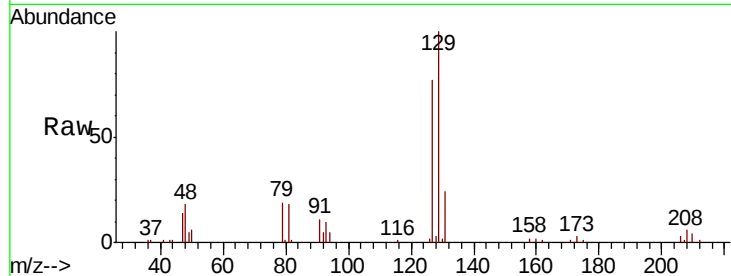
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		35347		
127	77.4	61.9	92.9		

Manual Integrations
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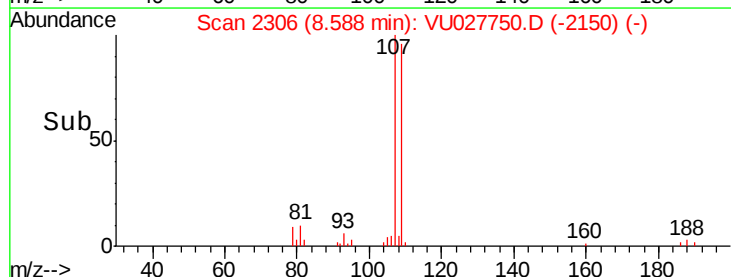
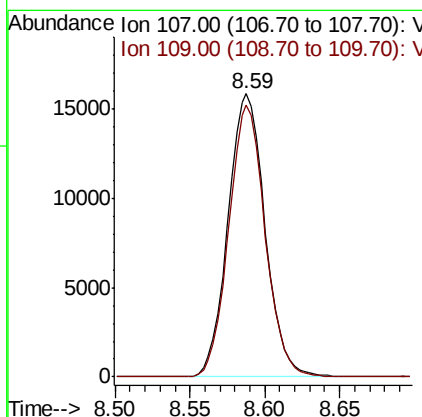
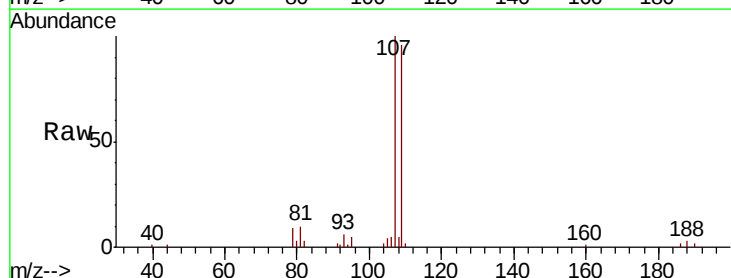
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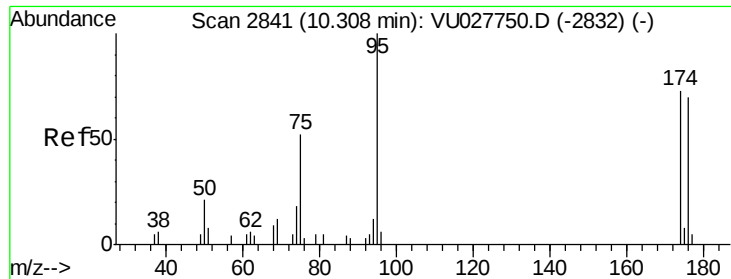
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#56
 1,2-Dibromoethane
 Concen: 9.848 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		27280		
109	94.2	0.0	188.4		





#57
4-Bromofluorobenzene
Concen: 9.848 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

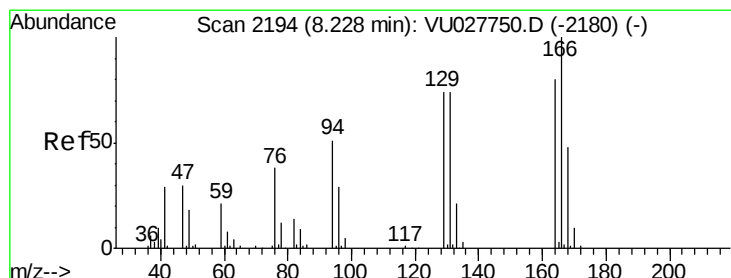
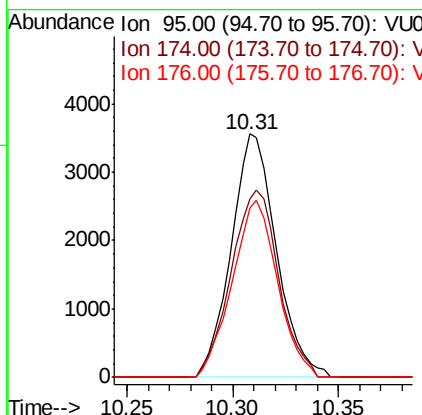
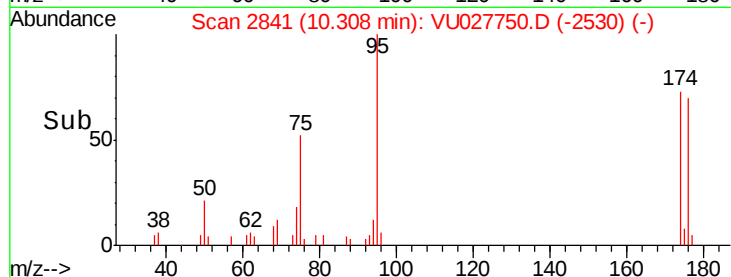
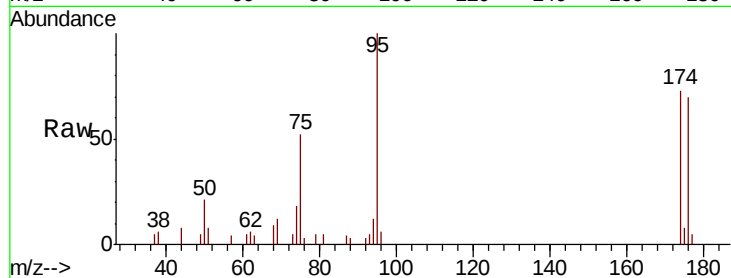
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:	95	Resp:	5293
Ion	Ratio	Lower	Upper
95	100		
174	80.6	64.5	96.7
176	72.9	58.3	87.5

Manual Integrations
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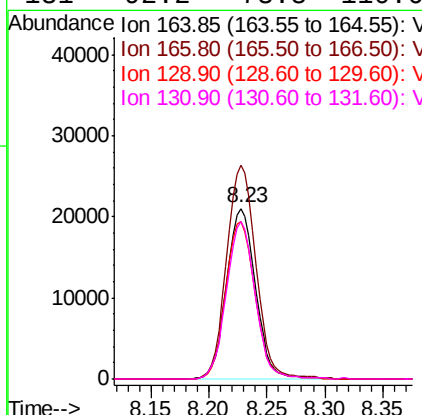
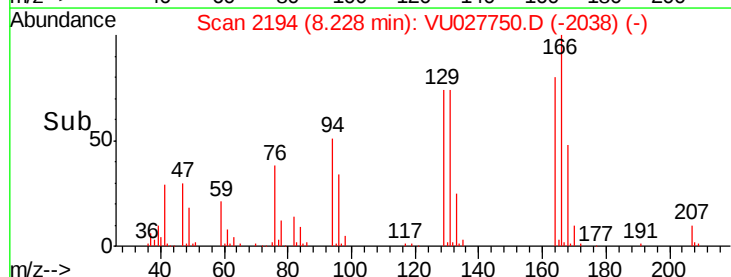
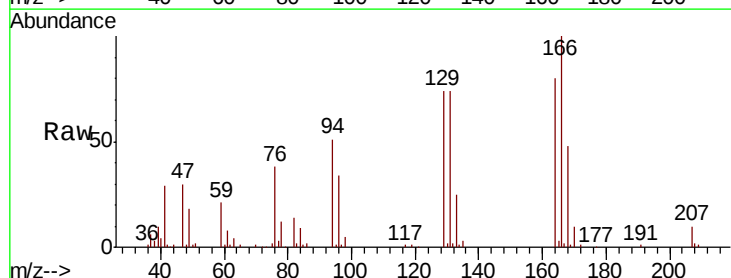
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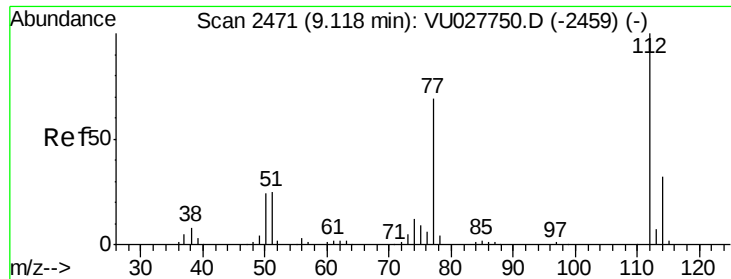
10/24/2018 2:19:03 PM



#58
Tetrachloroethene
Concen: 9.928 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion:	164	Resp:	36547
Ion	Ratio	Lower	Upper
164	100		
166	125.3	100.2	150.4
129	92.1	73.7	110.5
131	92.2	73.8	110.6





#59
Chlorobenzene
Concen: 9.765 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

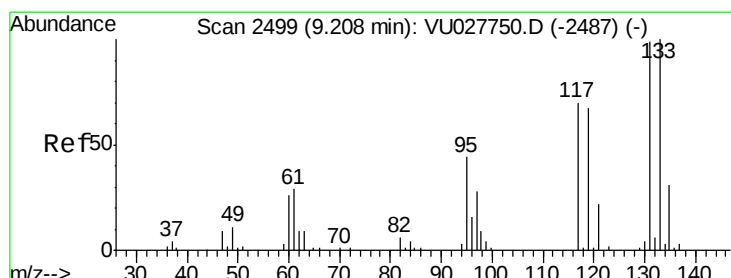
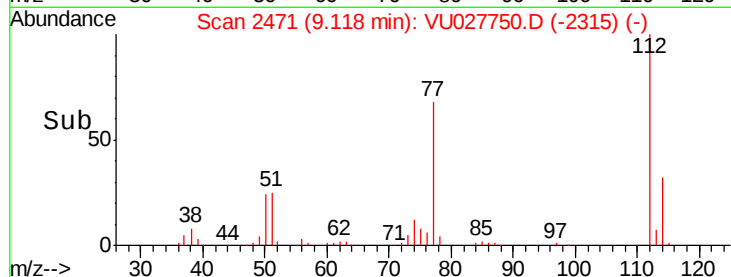
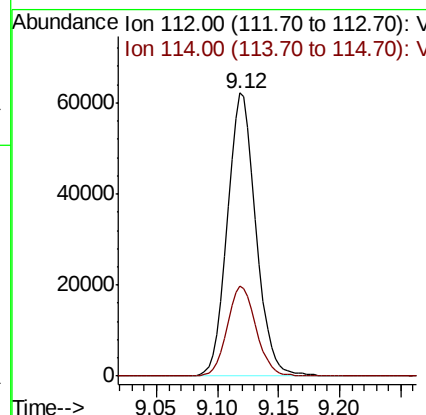
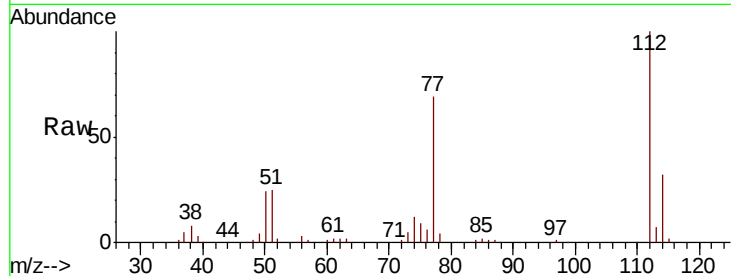
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:112 Resp: 102286
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

Manual Integrations
APPROVED

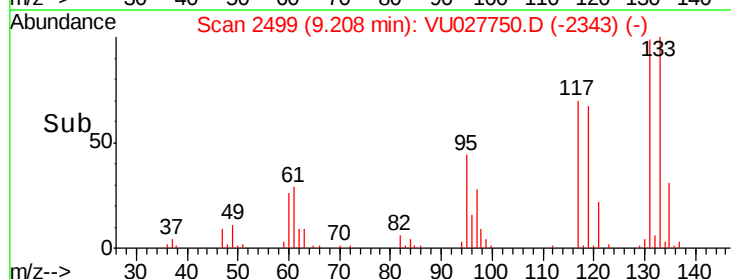
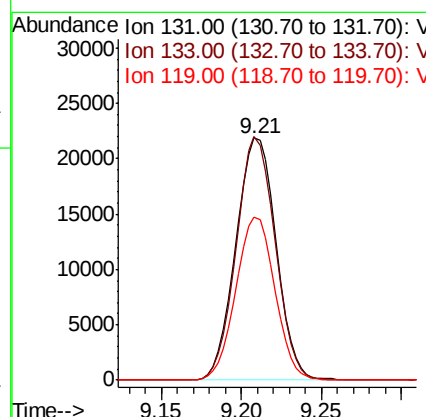
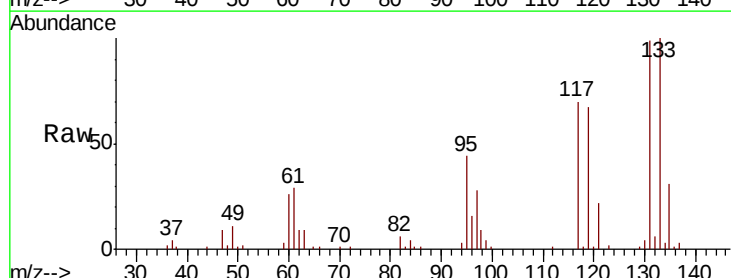
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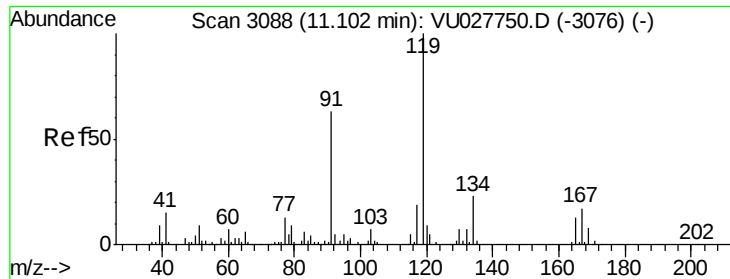
10/24/2018 2:19:03 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 9.894 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion:131 Resp: 37576
Ion Ratio Lower Upper
131 100
133 96.9 77.5 116.3
119 65.0 52.0 78.0





#61
 Pentachloroethane
 Concen: 10.032 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

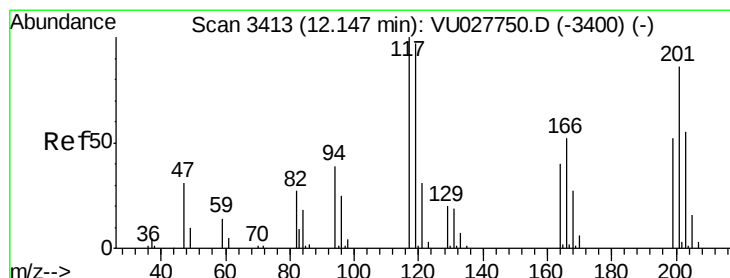
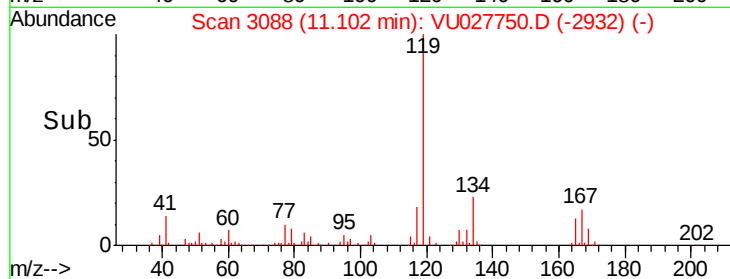
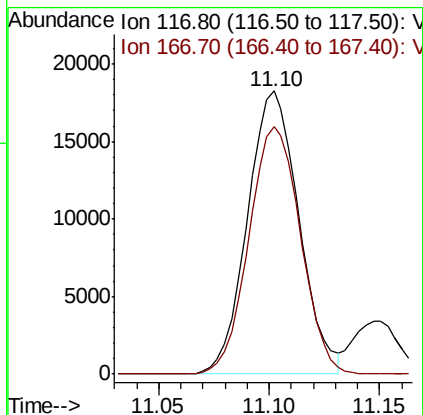
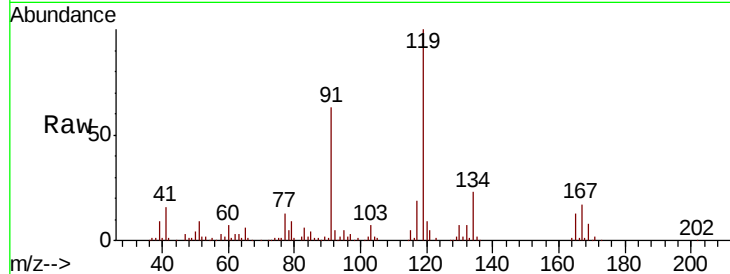
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:117 Resp: 29485
 Ion Ratio Lower Upper
 117 100
 167 87.6 70.1 105.1

Manual Integrations
 APPROVED

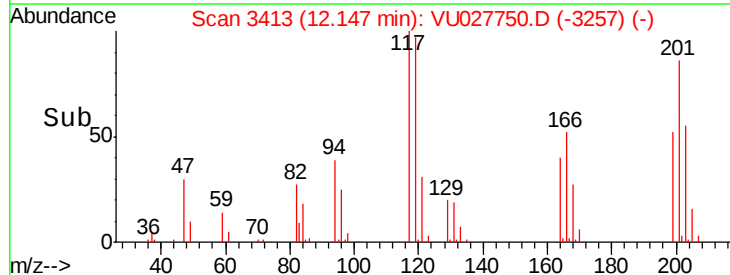
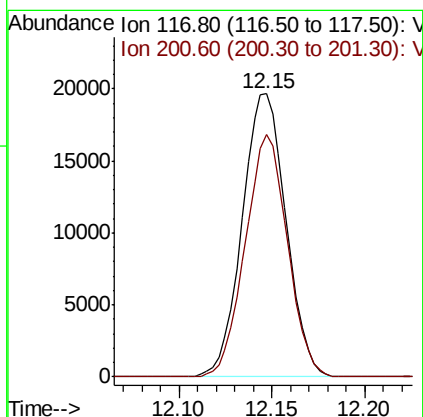
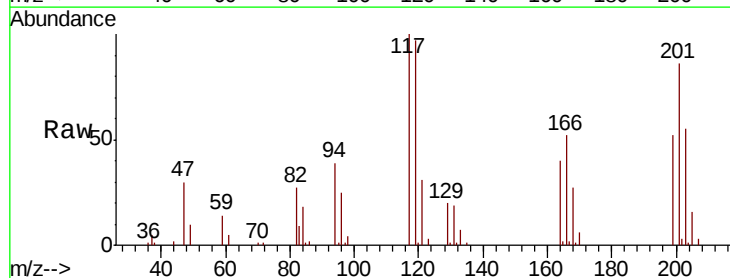
sam

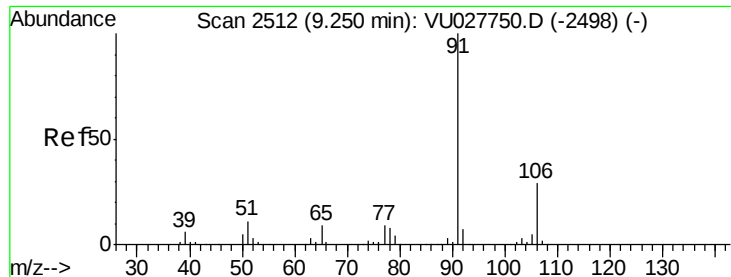
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#62
 Hexachloroethane
 Concen: 10.167 ug/l
 RT: 12.15 min Scan# 3413
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

Tgt Ion:117 Resp: 32199
 Ion Ratio Lower Upper
 117 100
 201 82.5 66.0 99.0





#63
Ethyl Benzene
Concen: 10.124 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

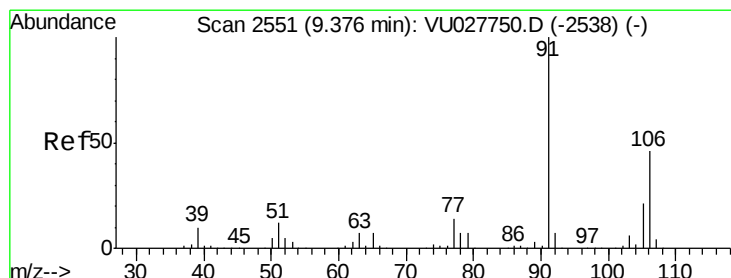
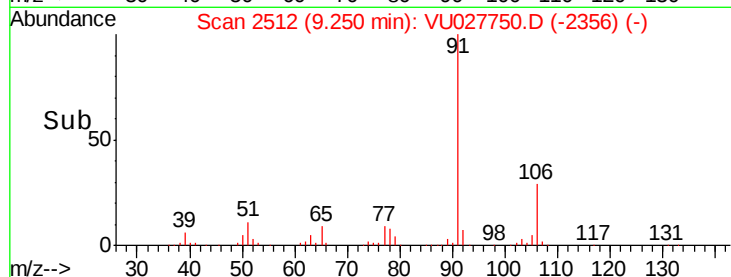
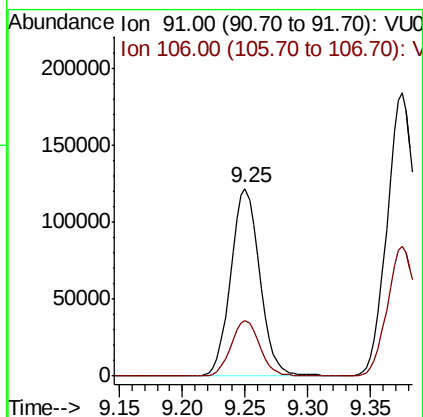
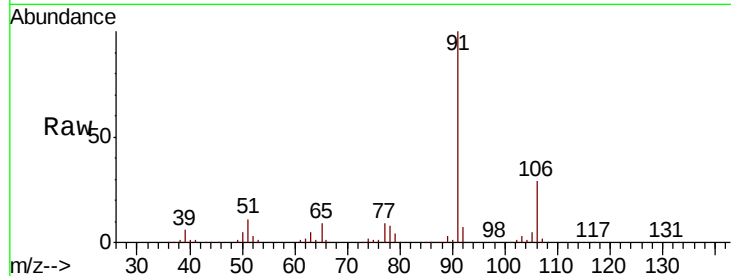
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 196042
Ion Ratio Lower Upper
91 100
106 29.4 23.5 35.3

Manual Integrations
APPROVED

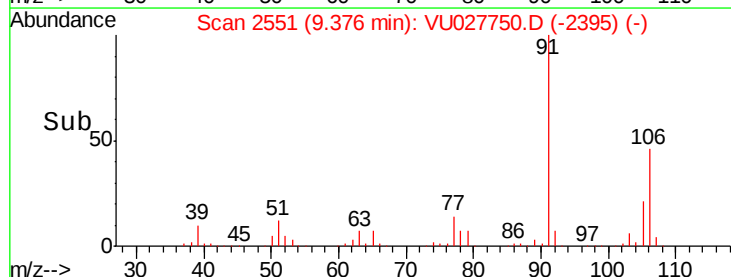
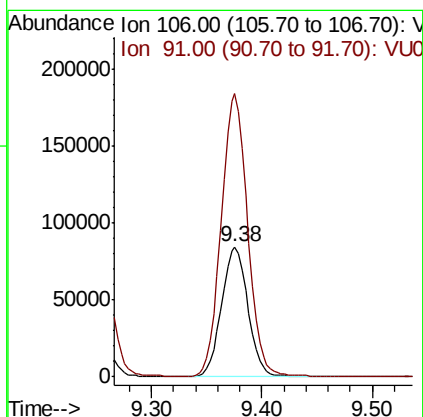
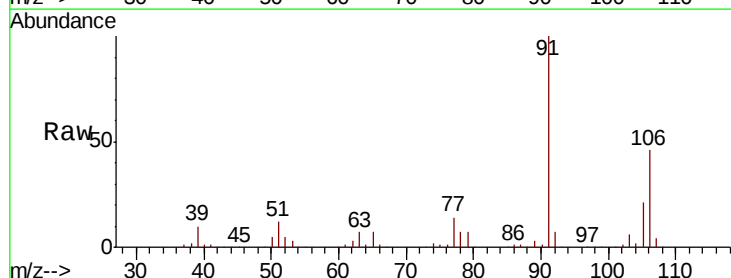
sam

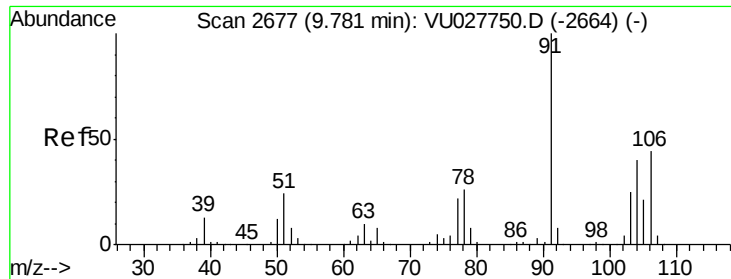
10/24/2018 2:19:03 PM



#64
m/p-Xylenes
Concen: 19.846 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion: 106 Resp: 140514
Ion Ratio Lower Upper
106 100
91 216.6 173.3 259.9





#65
o-Xylene
Concen: 9.777 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

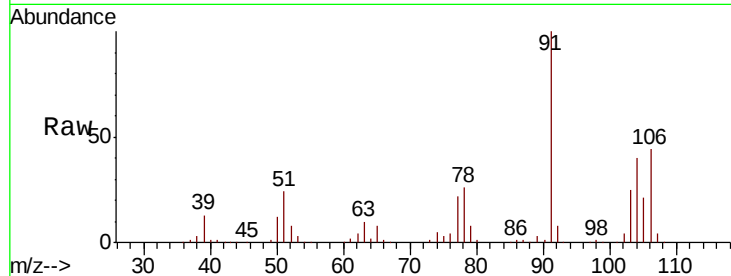
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:106 Resp: 69101
Ion Ratio Lower Upper
106 100
91 226.8 113.4 340.2

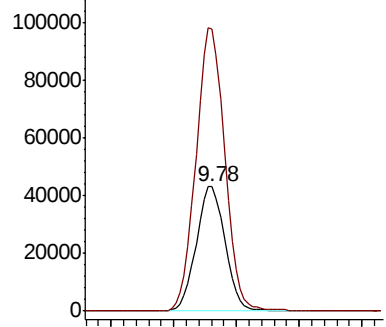
Manual Integrations
APPROVED

sam

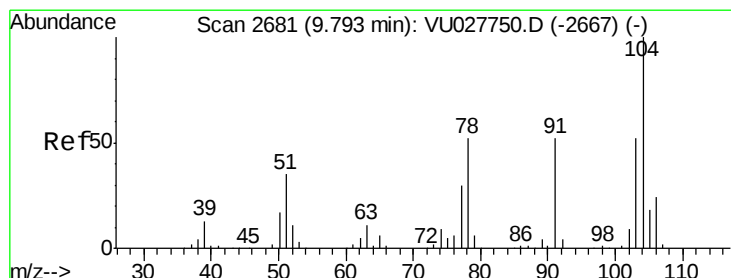
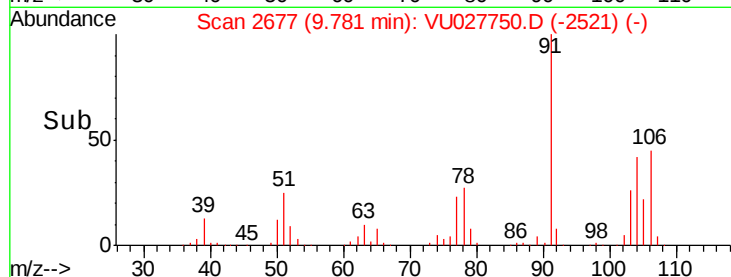
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

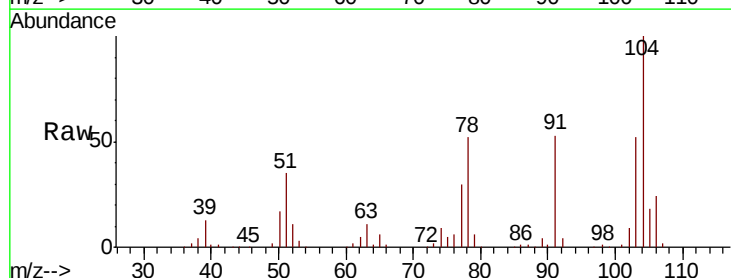


Time-->

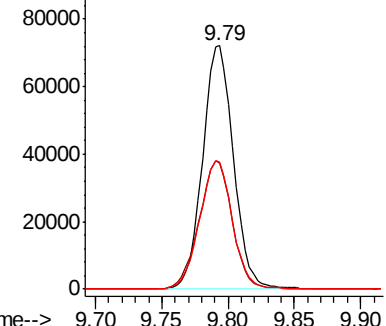


#66
Styrene
Concen: 9.977 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

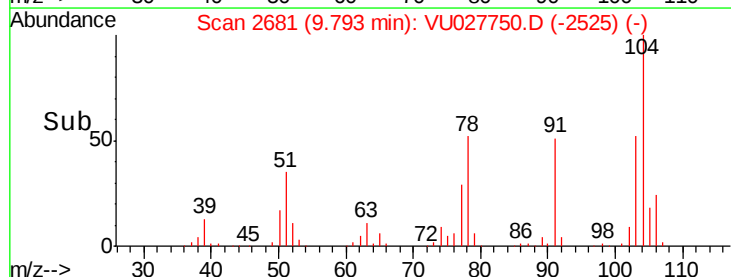
Tgt Ion:104 Resp: 116690
Ion Ratio Lower Upper
104 100
78 56.5 45.2 67.8
103 56.0 44.8 67.2

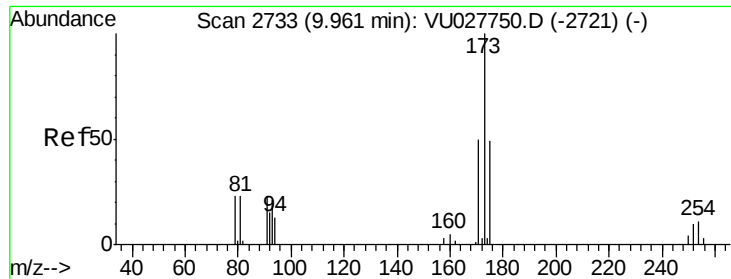


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#67
Bromoform
Concen: 10.175 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

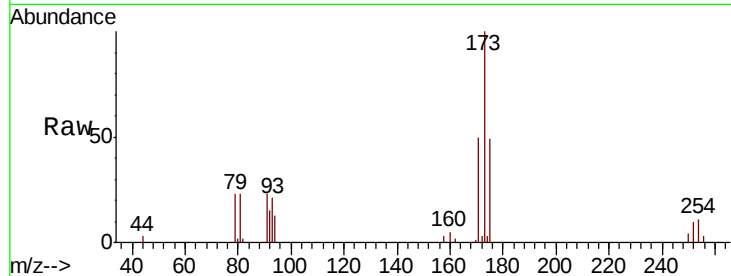
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.6	59.4
254	9.7	7.8	11.6

Manual Integrations
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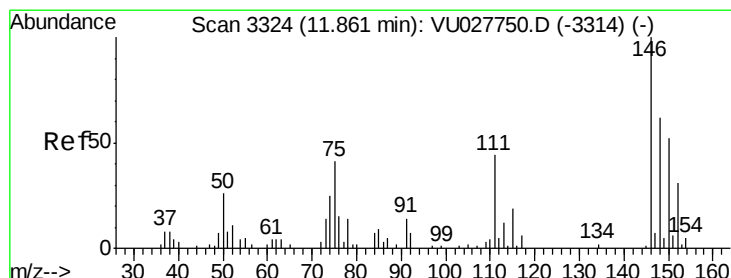
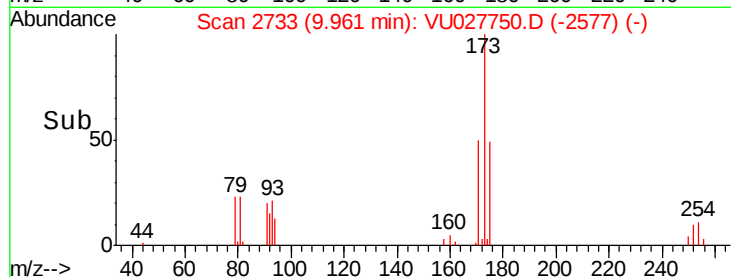
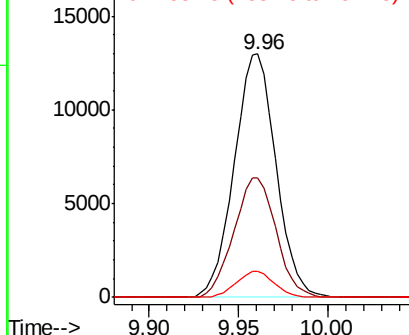


Abundance

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: 10.175 ug/l
RT: 11.86 min Scan# 3324
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

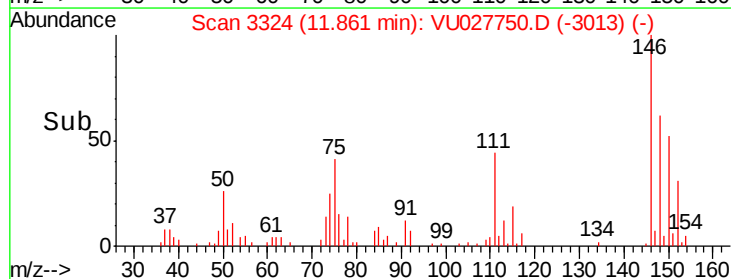
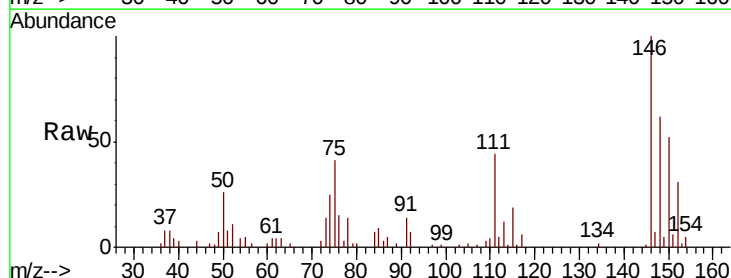
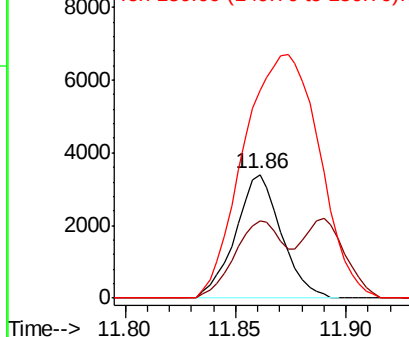
Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	0.0	130.2
150	325.3	0.0	650.6

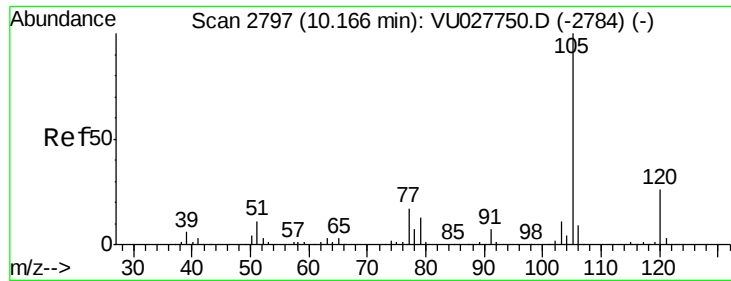
Abundance

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: 9.960 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC010

Tot Ion: 105 Resp: 188435

Ion Ratio Lower Upper

105 100

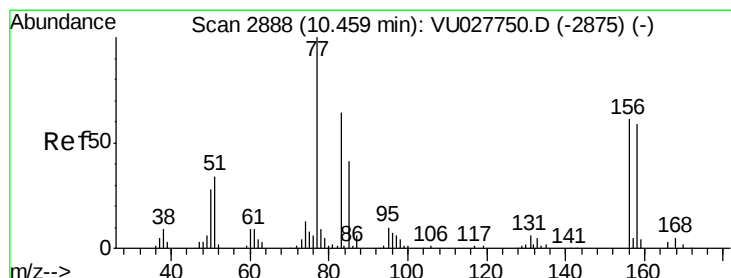
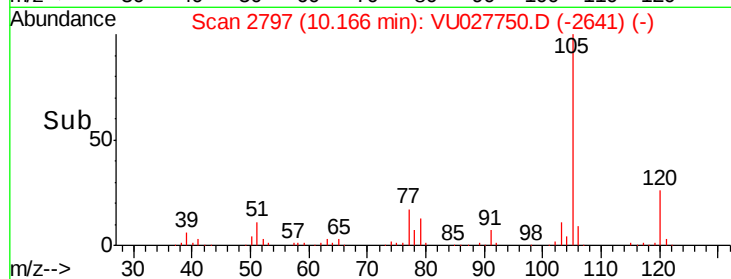
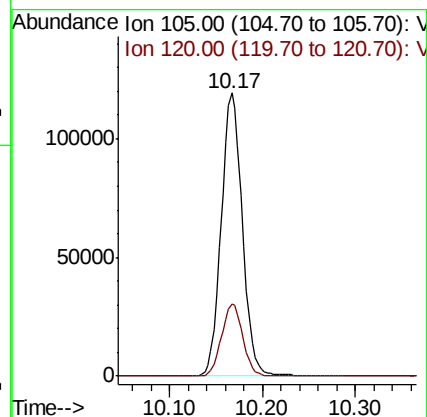
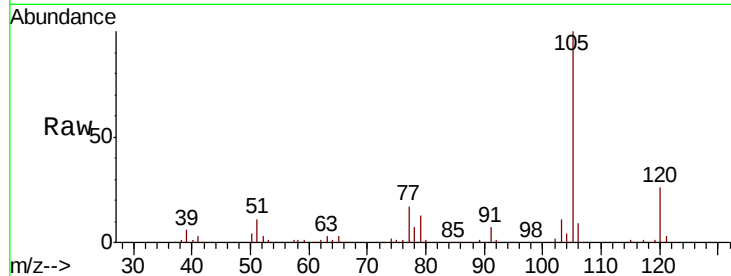
120 25.5 12.8 38.3

Manual Integrations

APPROVED

sam

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#70

1,1,2,2-Tetrachloroethane

Concen: 9.678 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

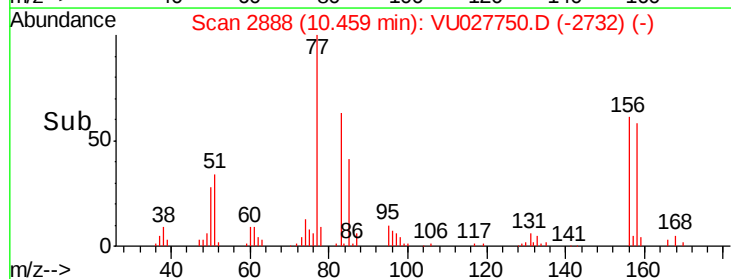
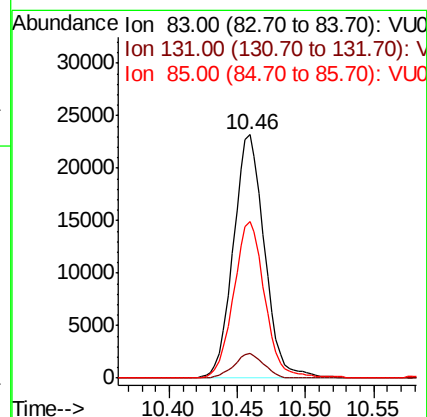
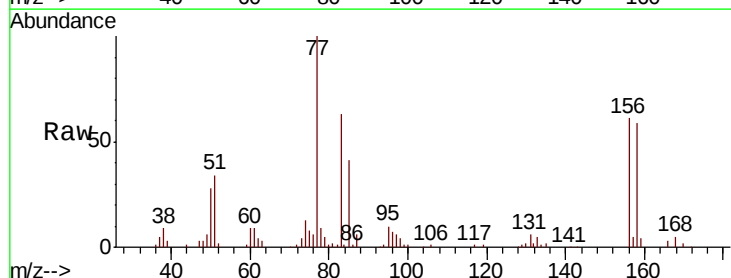
Tgt Ion: 83 Resp: 36856

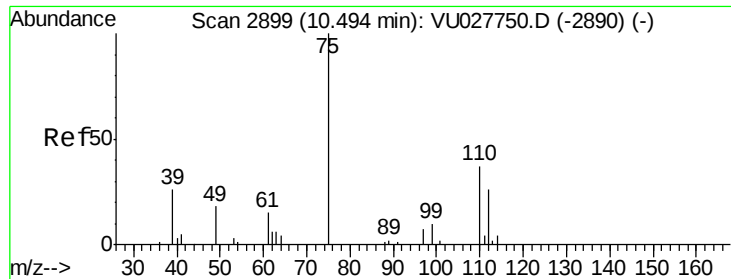
Ion Ratio Lower Upper

83 100

131 9.6 7.7 11.5

85 64.0 51.2 76.8





#71
 1,2,3-Trichloropropane
 Concen: 9.646 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

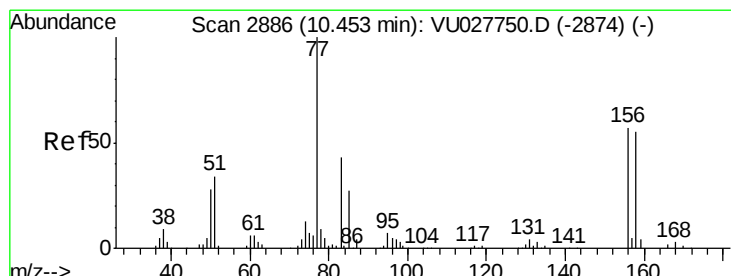
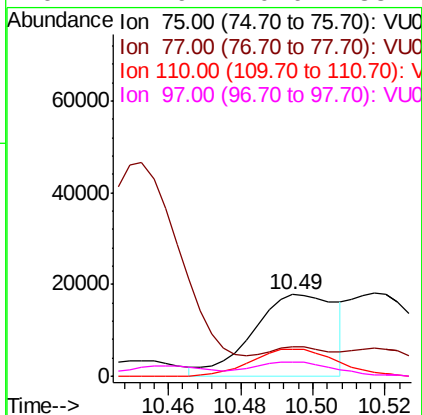
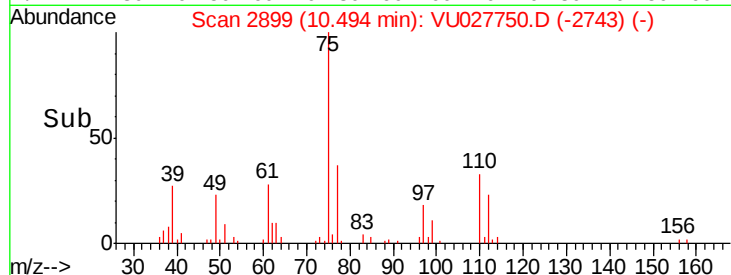
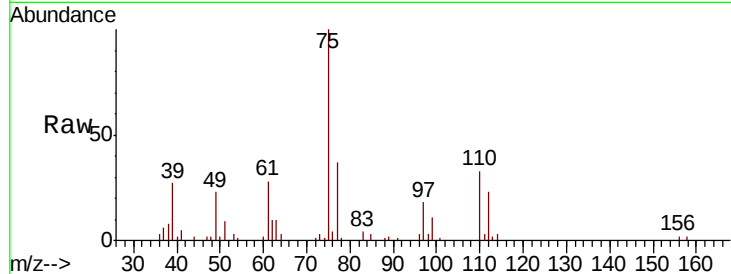
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	75	Resp	28536
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	34.1	0.0	68.2
97	17.6	0.0	35.2

Manual Integrations
 APPROVED

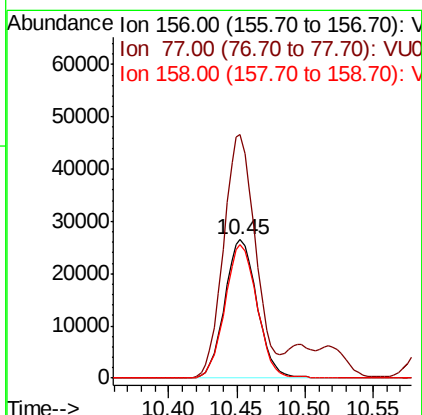
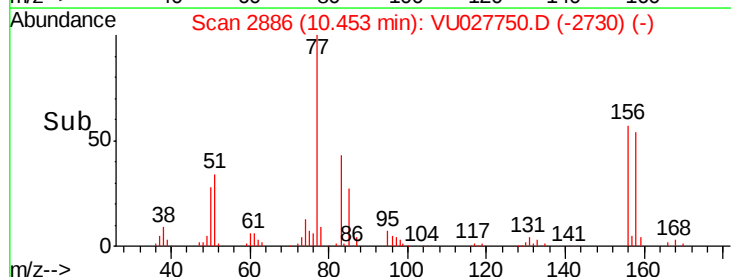
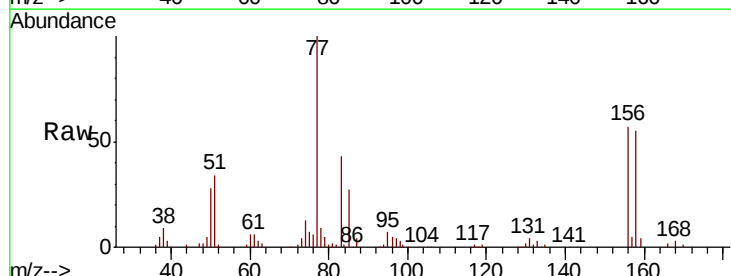
sam

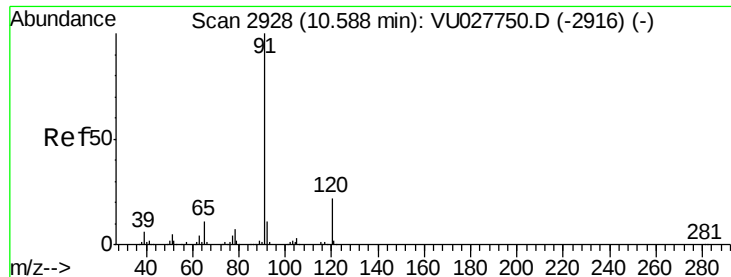
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#72
 Bromobenzene
 Concen: 10.328 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

Tgt Ion	156	Resp	43670
Ion Ratio	Lower	Upper	
156	100		
77	174.7	0.0	349.4
158	95.7	0.0	191.4





#73

n-propylbenzene

Concen: 10.426 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:120 Resp: 50553

Ion Ratio Lower Upper

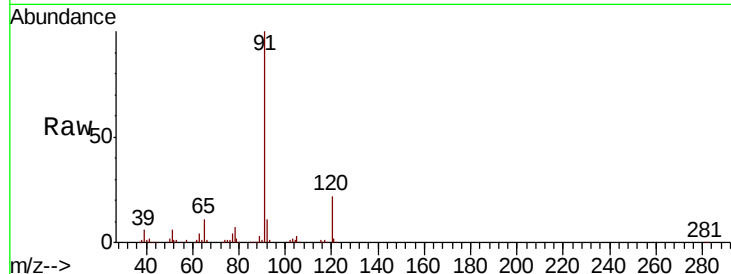
120 100

91 461.3 369.0 553.6

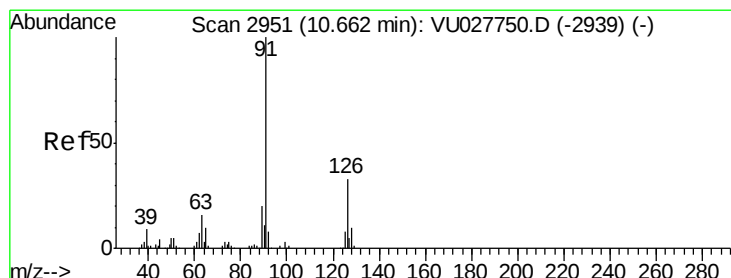
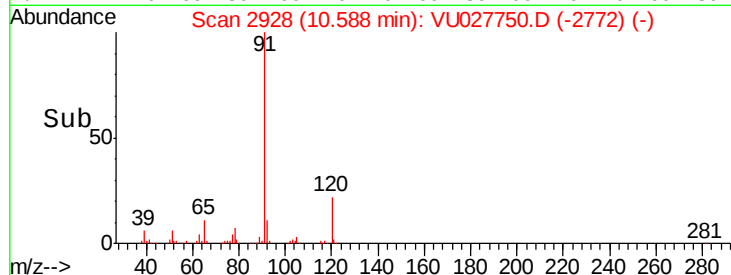
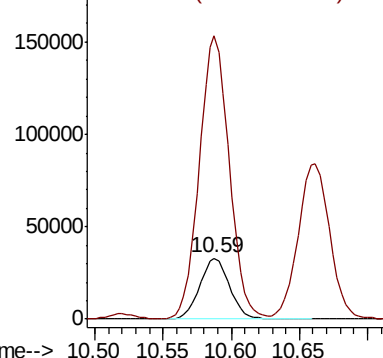
Manual Integrations
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sam

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Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 9.842 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027750.D

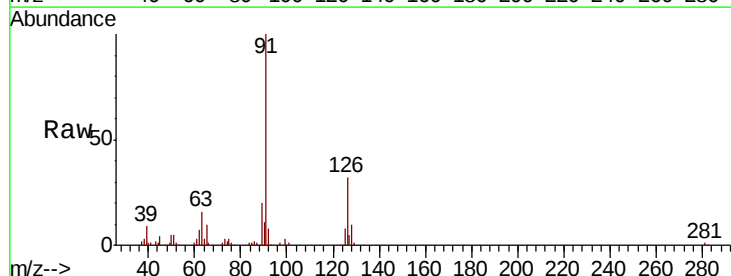
Acq: 22 Oct 2018 19:33

Tgt Ion:126 Resp: 42597

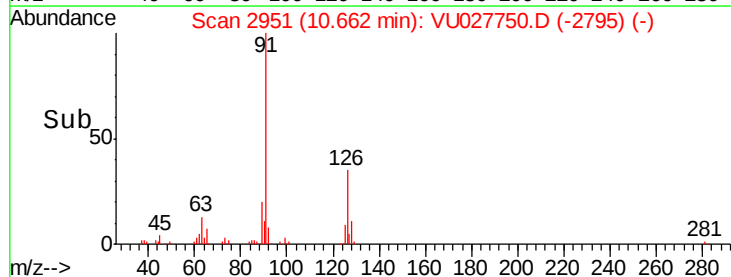
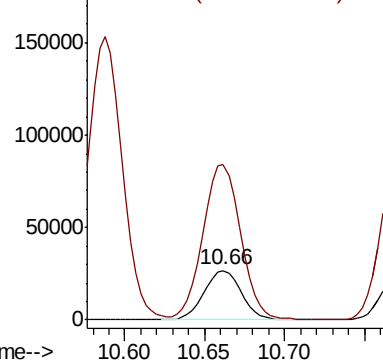
Ion Ratio Lower Upper

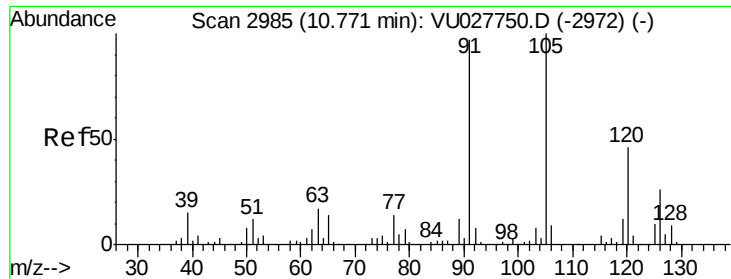
126 100

91 314.4 0.0 628.8



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 10.087 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 159216

Ion Ratio Lower Upper

105 100

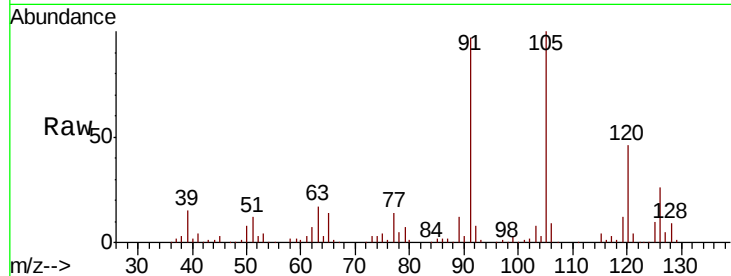
120 46.5 37.2 55.8

Manual Integrations

APPROVED

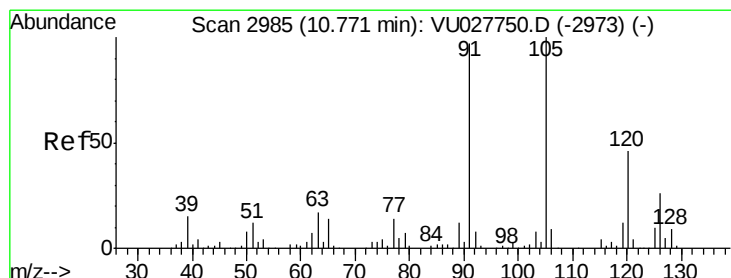
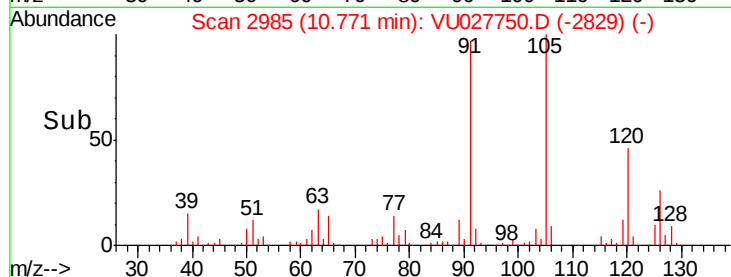
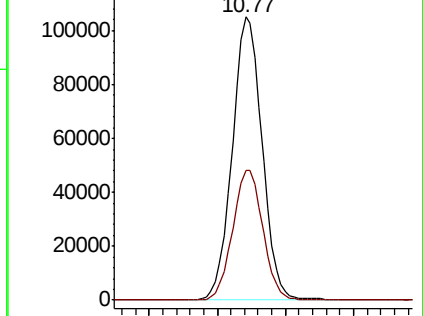
sam

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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: 10.282 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027750.D

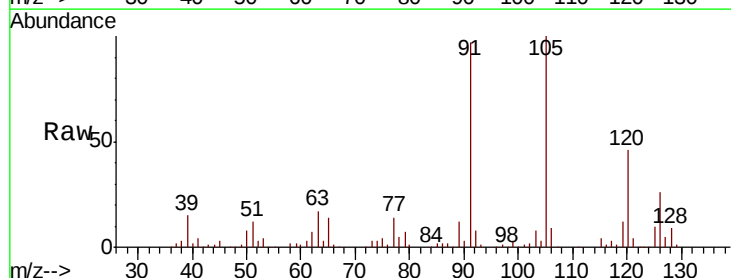
Acq: 22 Oct 2018 19:33

Tgt Ion:126 Resp: 42859

Ion Ratio Lower Upper

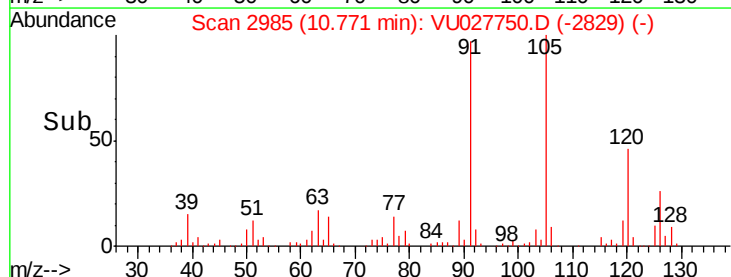
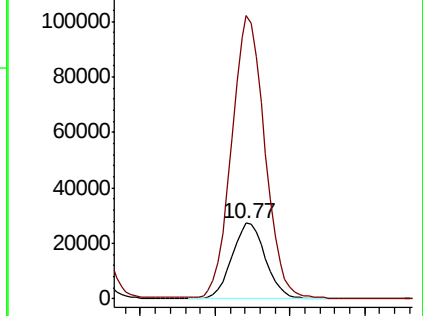
126 100

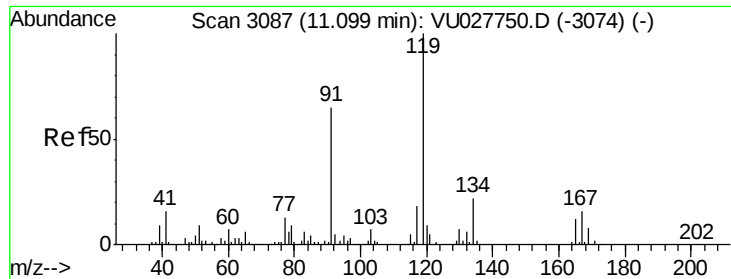
91 367.2 0.0 734.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 9.871 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:119 Resp: 154509

Ion Ratio Lower Upper

119 100

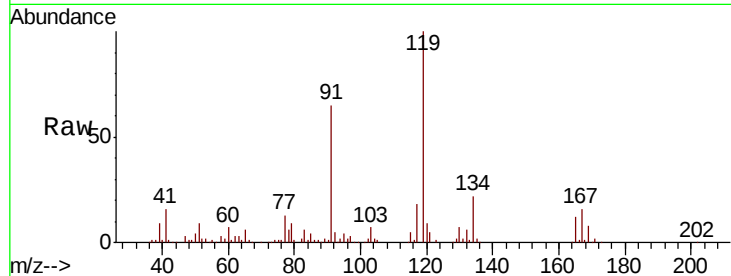
91 63.6 31.8 95.4

134 22.1 17.7 26.5

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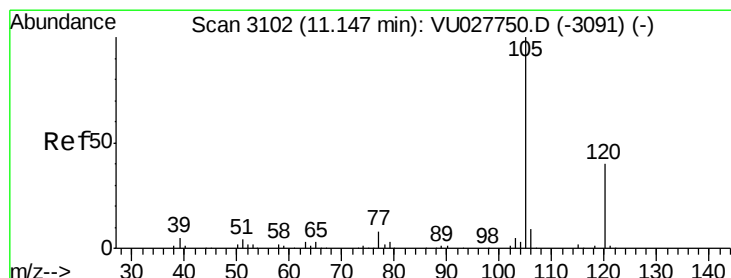
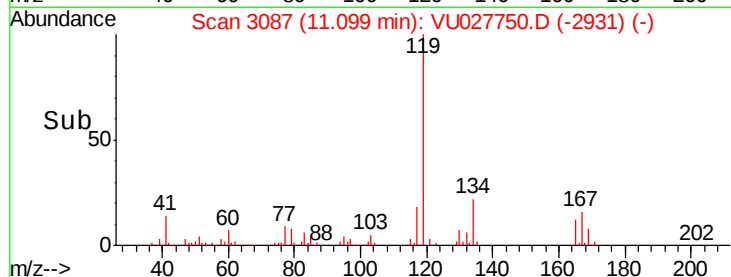
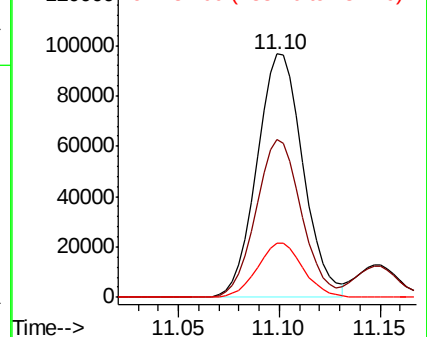
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 10.114 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.00 min

Lab File: VU027750.D

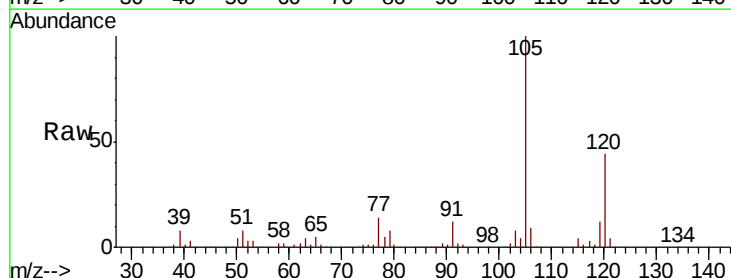
Acq: 22 Oct 2018 19:33

Tgt Ion:105 Resp: 164584

Ion Ratio Lower Upper

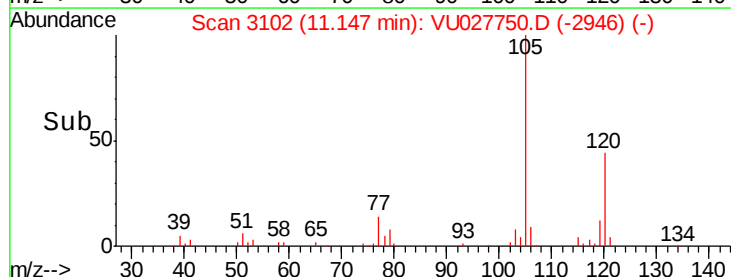
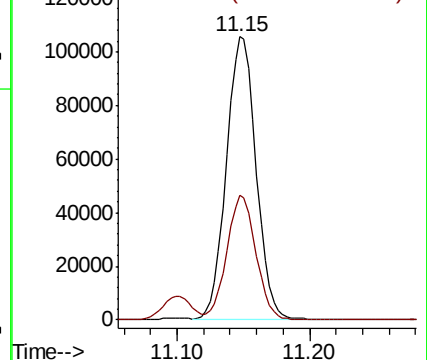
105 100

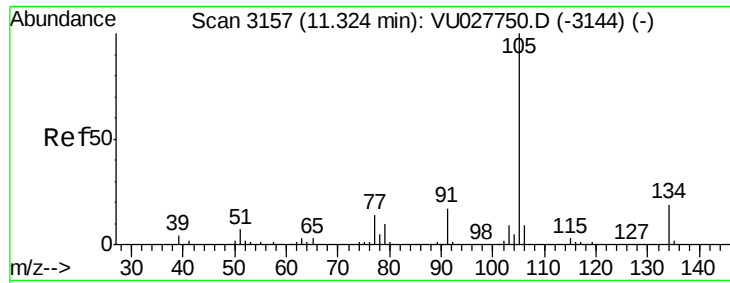
120 43.1 21.6 64.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 10.337 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 207112

Ion Ratio Lower Upper

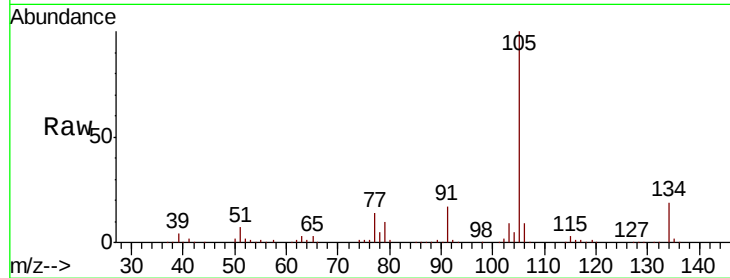
105 100

134 19.0 15.2 22.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

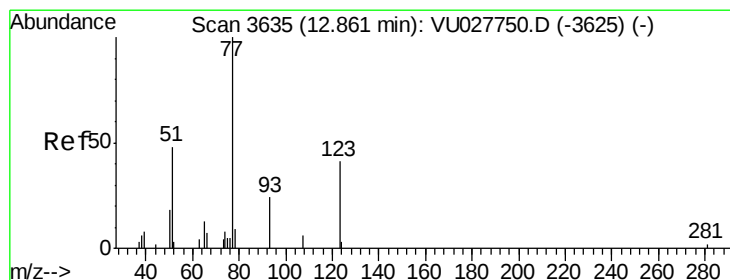
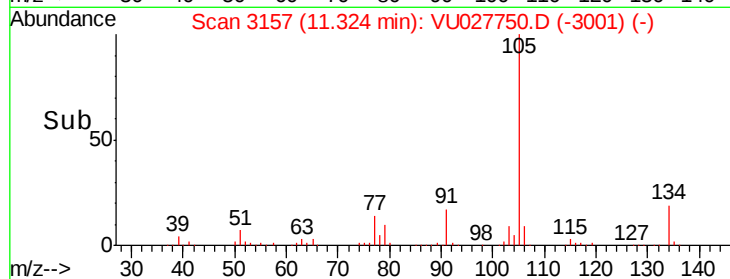
150000

100000

50000

0

Time-->



#80

Nitrobenzene

Concen: 46.621 ug/l

RT: 12.86 min Scan# 3635

Delta R.T. 0.00 min

Lab File: VU027750.D

Acq: 22 Oct 2018 19:33

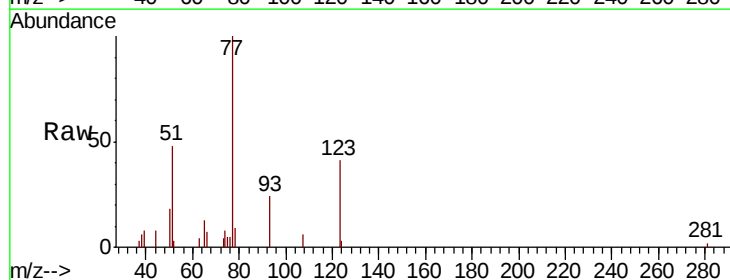
Tgt Ion: 77 Resp: 8250

Ion Ratio Lower Upper

77 100

123 38.4 16.9 59.9

65 14.9 13.1 16.7



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

12.86

6000

5000

4000

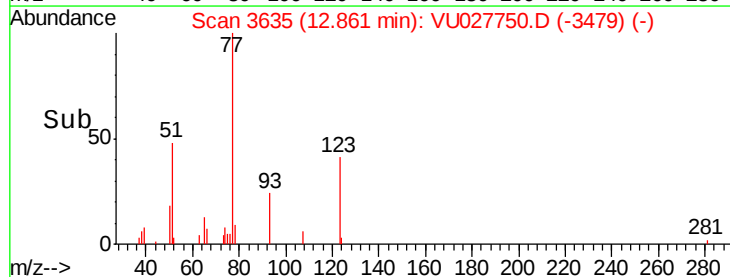
3000

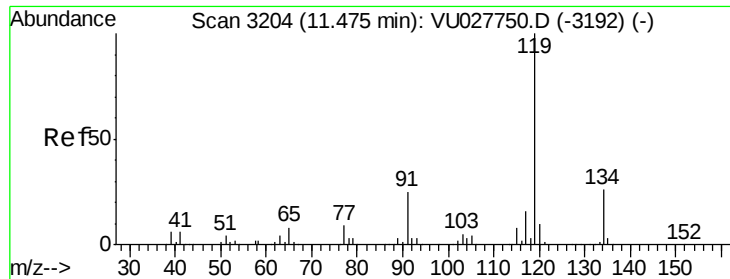
2000

1000

0

Time-->





#81
 p-Isopropyltoluene
 Concen: 10.508 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

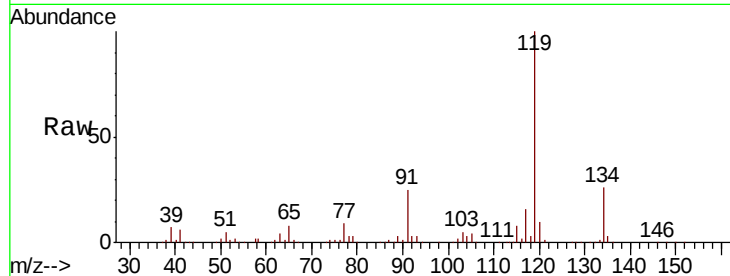
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:	119	Resp:	171605
Ion Ratio	Lower	Upper	
119	100		
134	25.4	20.3	30.5
91	25.3	20.2	30.4

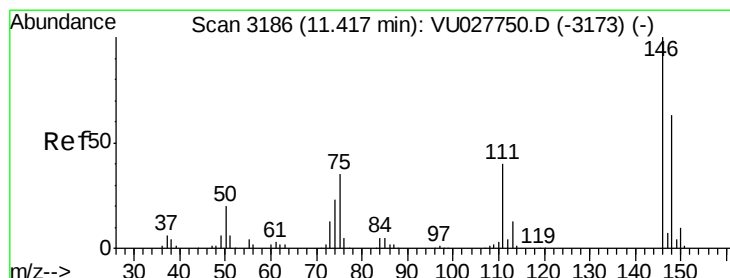
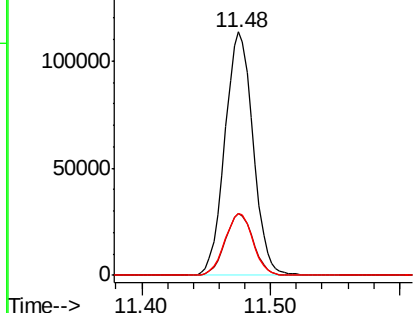
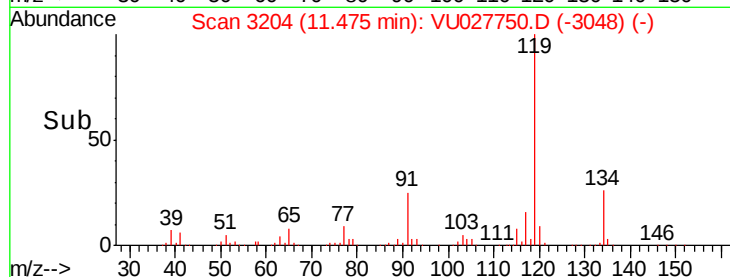
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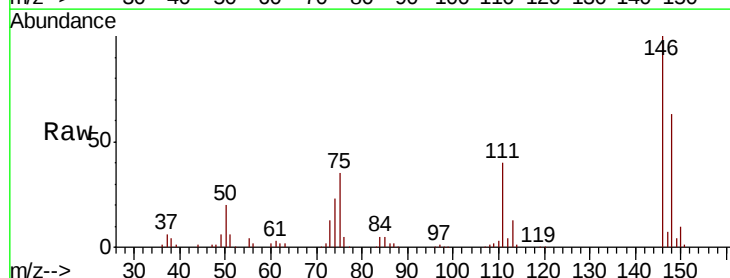


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

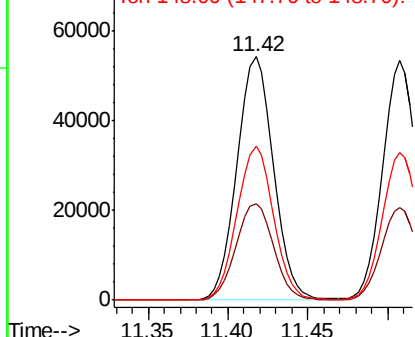
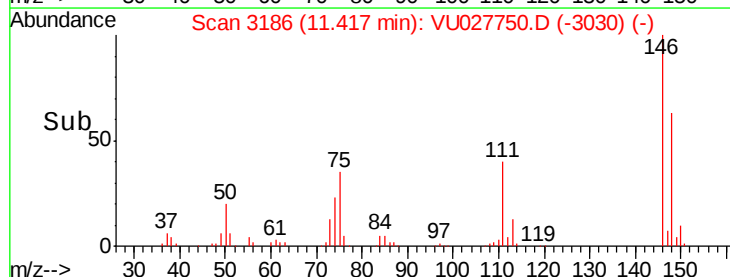


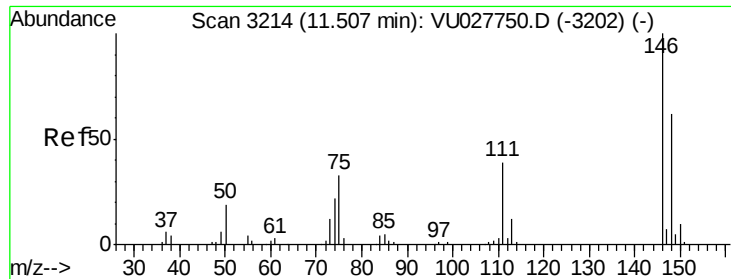
#82
 1,3-Dichlorobenzene
 Concen: 10.410 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

Tgt Ion:	146	Resp:	84620
Ion Ratio	Lower	Upper	
146	100		
111	40.9	32.7	49.1
148	63.2	50.6	75.8



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





#83
 1,4-Dichlorobenzene
 Concen: 10.252 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

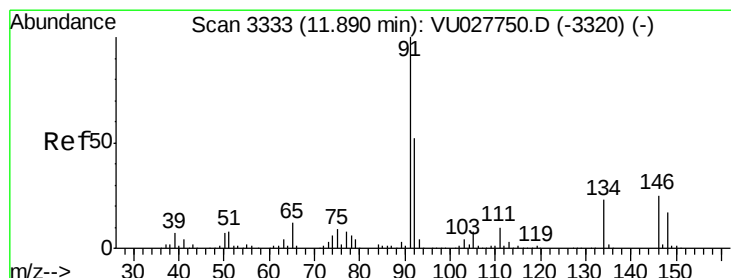
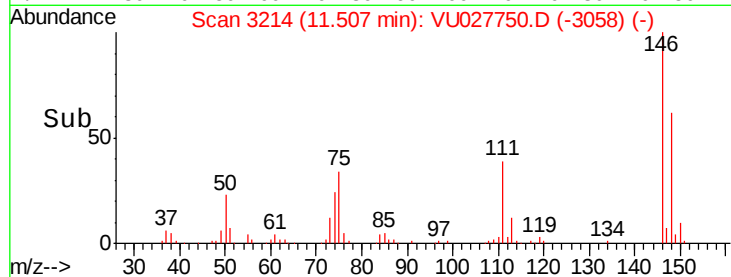
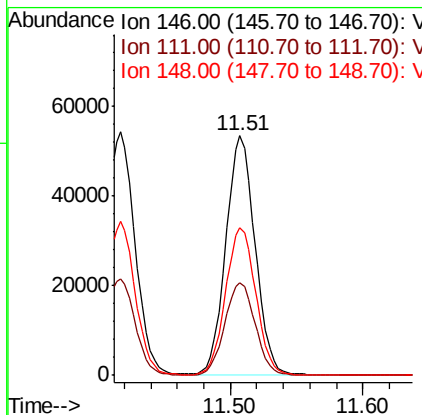
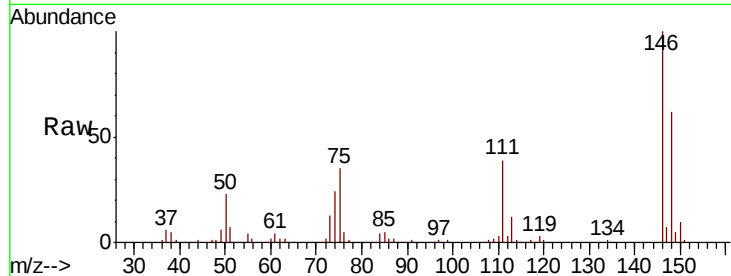
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:	146	Resp:	82296
Ion Ratio	Lower	Upper	
146	100		
111	40.0	32.0	48.0
148	63.6	50.9	76.3

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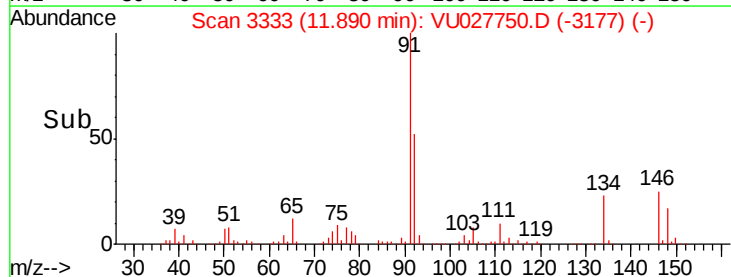
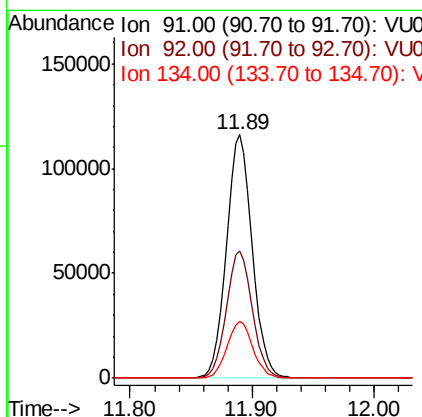
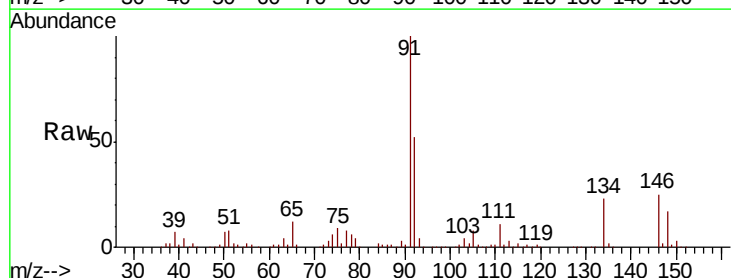
sam

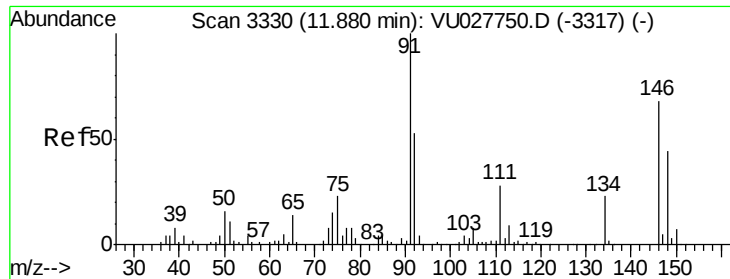
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#84
 n-Butylbenzene
 Concen: 11.166 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

Tgt Ion:	91	Resp:	172096
Ion Ratio	Lower	Upper	
91	100		
92	52.6	42.1	63.1
134	23.3	18.6	28.0





#85
 1,2-Dichlorobenzene
 Concen: 10.255 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

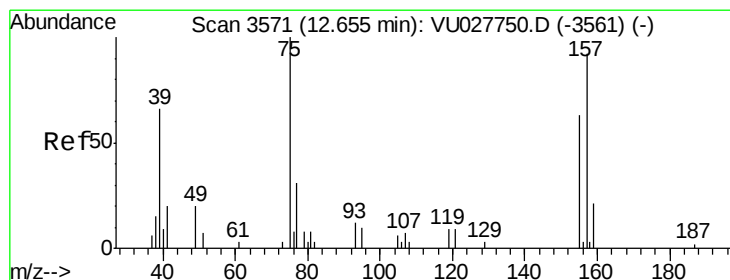
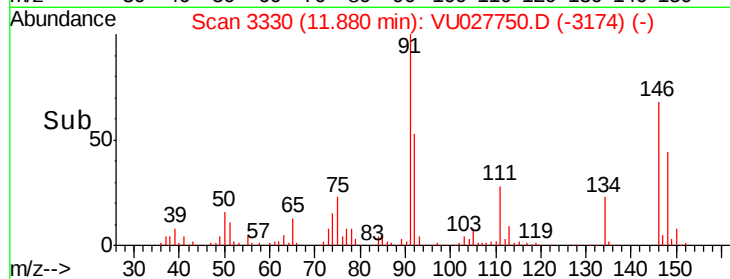
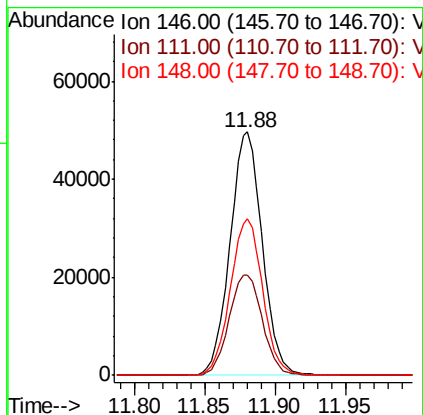
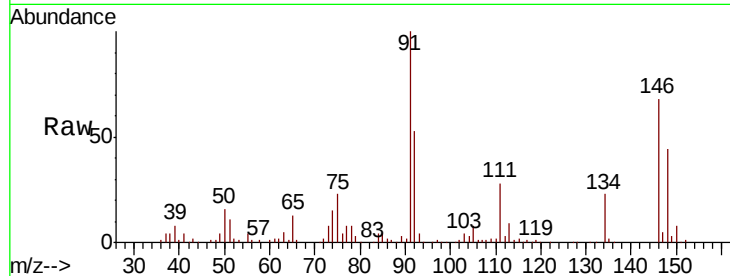
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	64.4	32.2	96.6

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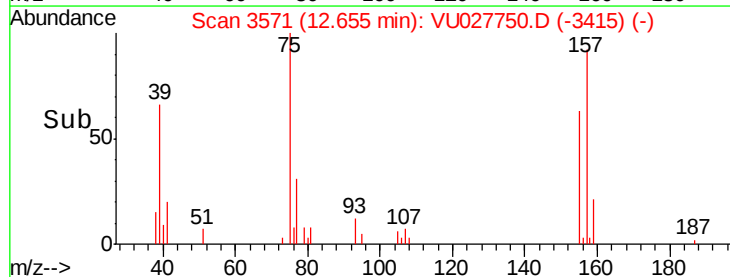
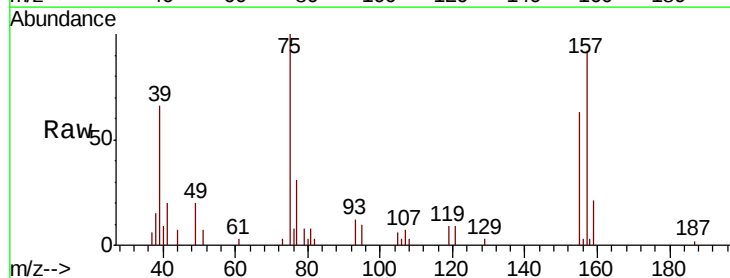
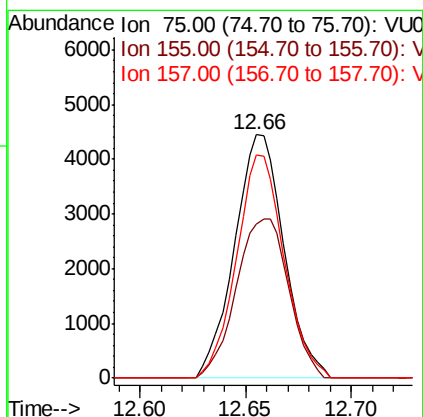
sam

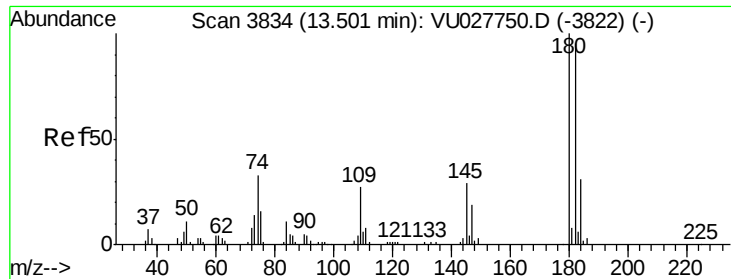
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.733 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.4	55.5	83.3
157	88.7	71.0	106.4





#87
 1,2,4-Trichlorobenzene
 Concen: 10.915 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

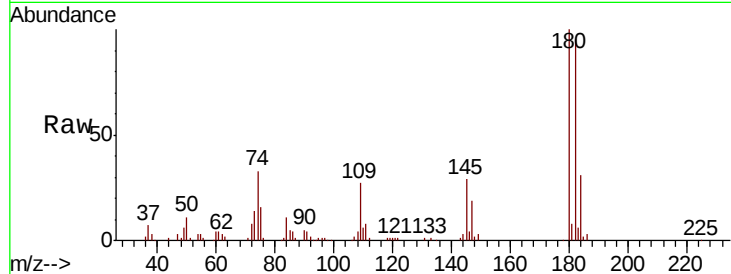
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:	180	Resp:	62020
Ion Ratio	Lower	Upper	
180	100		
182	94.9	75.9	113.9
145	29.5	23.6	35.4

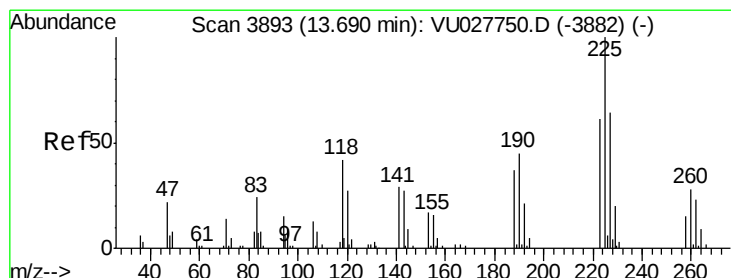
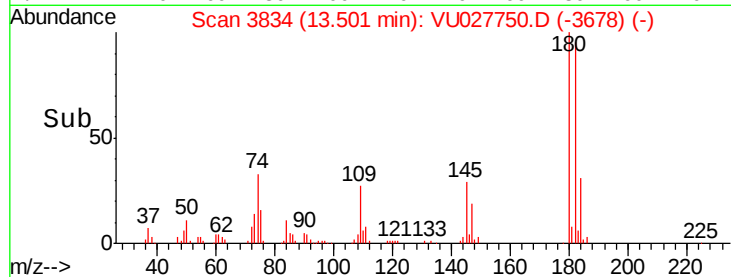
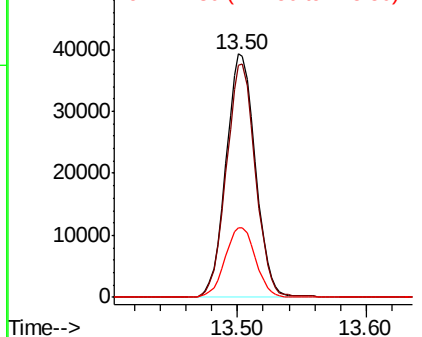
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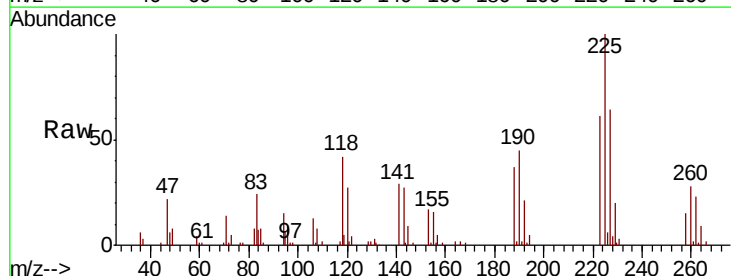


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

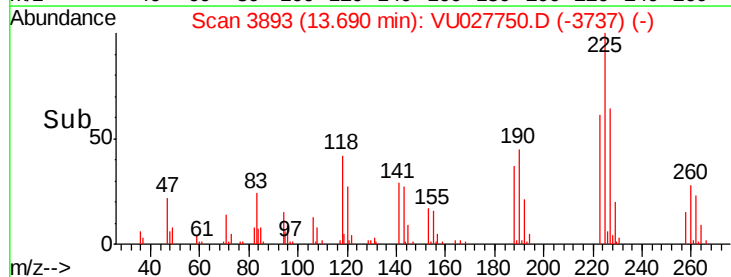
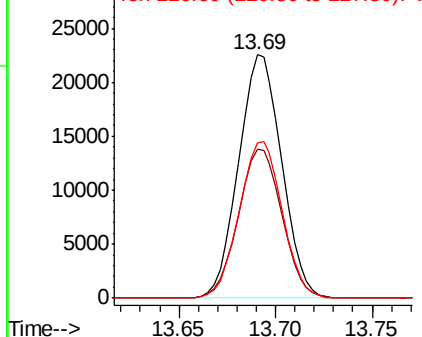


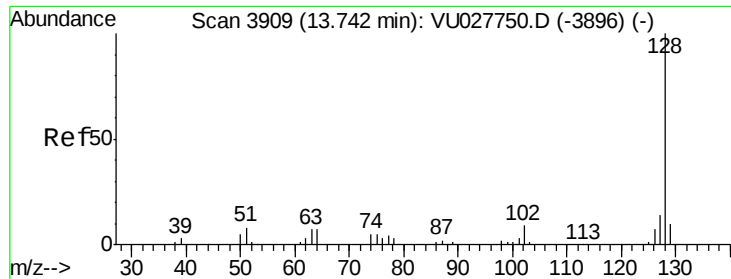
#88
 Hexachlorobutadiene
 Concen: 10.339 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU027750.D
 Acq: 22 Oct 2018 19:33

Tgt Ion:	225	Resp:	34980
Ion Ratio	Lower	Upper	
225	100		
223	62.0	49.6	74.4
227	63.9	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: 10.095 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

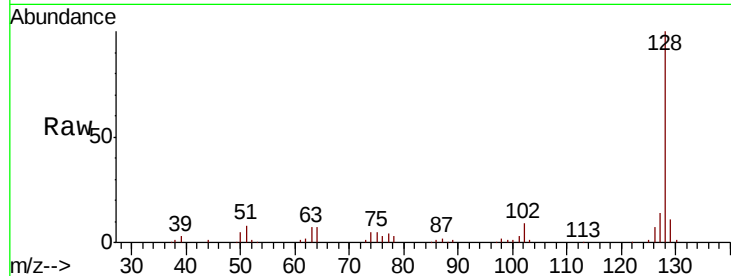
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.6	8.5	12.7

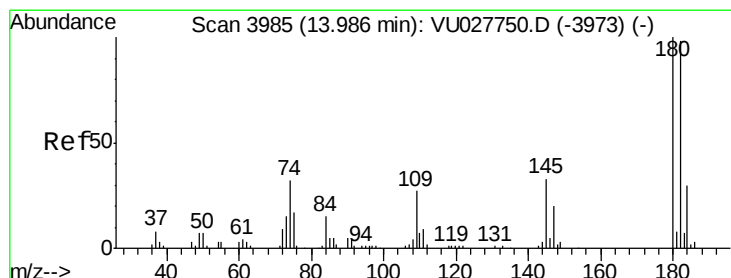
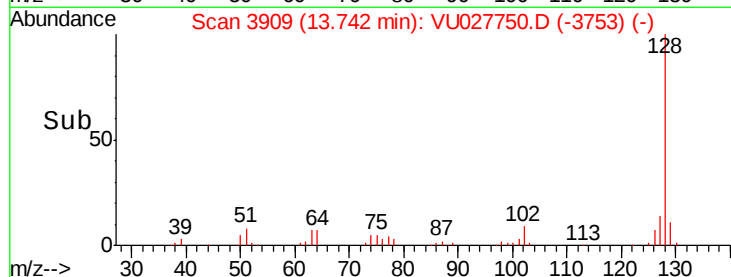
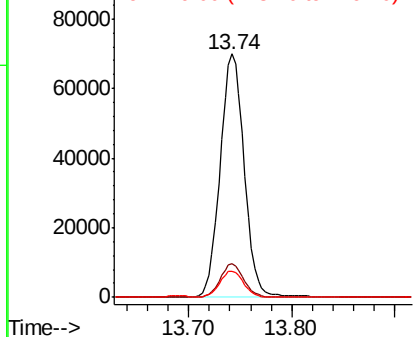
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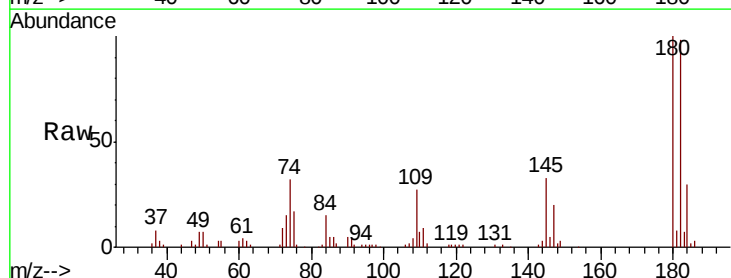


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 10.637 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027750.D
Acq: 22 Oct 2018 19:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
145	31.8	25.4	38.2



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

