

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100318\
 Data File : VU027345.D
 Acq On : 02 Oct 2018 16:07
 Operator : MD/SY
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

apatel
 10/5/2018 11:56:19 AM

Quant Time: Oct 03 02:21:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U100318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 03 02:08:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	20960	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	7664	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	6697	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	14356	2.479	ug/l	100
3) Chloromethane	1.33	50	16887	2.346	ug/l	96
4) Vinyl Chloride	1.40	62	16675	2.428	ug/l	99
5) Bromomethane	1.63	94	7271	1.573	ug/l	93
6) Chloroethane	1.70	64	12354	3.156	ug/l	93
7) Trichlorofluoromethane	1.89	101	19765	2.410	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	11387	2.381	ug/l	100
9) 1,1-Dichloroethene	2.29	96	9424	2.101	ug/l	96
10) Iodomethane	2.41	142	10224	2.707	ug/l	99
11) Allyl Chloride	2.59	41	24836	2.897	ug/l	99
12) Acrylonitrile	2.95	53	6693	5.727	ug/l	97
13) Acetone	2.33	43	15004	14.147	ug/l	95
14) Carbon Disulfide	2.48	76	29440	2.260	ug/l	99
15) Methylene Chloride	2.70	84	12515	2.297	ug/l	99
16) trans-1,2-Dichloroethene	2.98	96	11566	2.409	ug/l	96
17) 1,1-Dichloroethane	3.45	63	27720	2.716	ug/l	99
18) 2-Butanone	4.29	43	24111	14.011	ug/l	99
19) Cyclohexane	4.99	56	21159	2.494	ug/l	98
20) Methylcyclohexane	6.41	83	16772	1.827	ug/l	95
21) 2,2-Dichloropropane	4.23	77	23054	2.982	ug/l	98
22) cis-1,2-Dichloroethene	4.23	96	13819	2.316	ug/l	97
23) Diethyl Ether	2.11	59	10326	2.617	ug/l	94
24) tert-Butyl Alcohol	2.85	59	11406	23.990	ug/l	100
25) Methyl tert-Butyl Ether	3.01	73	31557	2.550	ug/l	99
26) Bromochloromethane	4.55	128	5103	2.022	ug/l	96
27) Chloroform	4.67	83	24715	2.369	ug/l	94
28) 1,1,1-Trichloroethane	4.91	97	19380	2.373	ug/l	98
29) 1,1-Dichloropropene	5.13	75	18304	2.302	ug/l	96
30) Carbon Tetrachloride	5.13	117	16479	2.428	ug/l	98
31) Isopropyl Ether	3.58	45	50309	2.771	ug/l	97
32) Ethyl-t-butyl ether	4.09	59	39933	2.596	ug/l	97
33) Tert-Amyl methyl ether	5.59	73	32251	2.565	ug/l	99
34) Propionitrile	4.35	54	6511	13.212	ug/l #	93
35) Benzene	5.39	78	51448	2.229	ug/l	99
36) 1,2-Dichloroethane	5.41	62	17394	2.614	ug/l	98
37) Trichloroethene	6.18	130	11815	1.937	ug/l	95
38) 1,2-Dichloropropane	6.44	63	15513	2.525	ug/l	99
39) Methacrylonitrile	4.56	41	6965	3.183	ug/l	98
40) Methyl acrylate	4.44	55	8558	2.758	ug/l #	97
41) Tetrahydrofuran	4.67	42	6498	5.422	ug/l	99
42) 1-Chlorobutane	5.06	56	28527	2.450	ug/l	94

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

43) Dibromomethane	6.56	93	6465	2.345	ug/l	98
44) Bromodichloromethane	6.76	83	17722	2.639	ug/l	100
45) 4-Methyl-2-Pentanone	7.48	43	46568	11.792	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	5678m	5.462	ug/l	
47) Methyl methacrylate	6.64	69	11841	4.316	ug/l	98
48) Ethyl methacrylate	8.03	69	10224	2.017	ug/l	96
49) Toluene	7.64	92	26899	1.983	ug/l	94
50) t-1,3-Dichloropropene	7.88	75	15022	2.584	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	18017	2.452	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	9044	2.209	ug/l	98
53) 1,3-Dichloropropane	8.25	76	17046	2.339	ug/l	98
54) 2-Hexanone	8.38	43	32364	11.858	ug/l	95
55) Dibromochloromethane	8.48	129	10311	2.575	ug/l	99
56) 1,2-Dibromoethane	8.59	107	8094	2.211	ug/l	97
58) Tetrachloroethene	8.23	164	10032	1.557	ug/l	94
59) Chlorobenzene	9.12	112	29068	2.004	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	11409	2.326	ug/l	99
61) Pentachloroethane	11.10	117	9414	2.897	ug/l	93
62) Hexachloroethane	12.15	117	8625	2.607	ug/l	97
63) Ethyl Benzene	9.25	91	46139	1.821	ug/l	98
64) m/p-Xylenes	9.38	106	35434	3.680	ug/l	98
65) o-Xylene	9.78	106	17066	1.835	ug/l	99
66) Styrene	9.79	104	28672	1.848	ug/l	99
67) Bromoform	9.96	173	5221	2.326	ug/l	99
69) Isopropylbenzene	10.17	105	43596	1.786	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	12516	2.562	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	9157m	2.283	ug/l	
72) Bromobenzene	10.45	156	11216	1.838	ug/l	98
73) n-propylbenzene	10.59	120	11731	1.744	ug/l	94
74) 2-Chlorotoluene	10.66	126	10929	1.826	ug/l	91
75) 1,3,5-Trimethylbenzene	10.77	105	40145	1.932	ug/l	99
76) 4-Chlorotoluene	10.77	126	11677	1.892	ug/l	96
77) tert-Butylbenzene	11.10	119	37666	1.924	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	40781	1.903	ug/l	99
79) sec-Butylbenzene	11.32	105	52618	1.909	ug/l	100
80) Nitrobenzene	12.86	77	2555	16.376	ug/l #	92
81) p-Isopropyltoluene	11.48	119	40734	1.792	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	24472	2.014	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	23830	1.958	ug/l	100
84) n-Butylbenzene	11.89	91	41198	1.880	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	22404	1.975	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1775	2.494	ug/l	95
87) 1,2,4-Trichlorobenzene	13.50	180	13379	1.766	ug/l	100
88) Hexachlorobutadiene	13.69	225	9316	1.972	ug/l	98
89) Naphthalene	13.75	128	22322	1.833	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	13389	1.864	ug/l	99

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

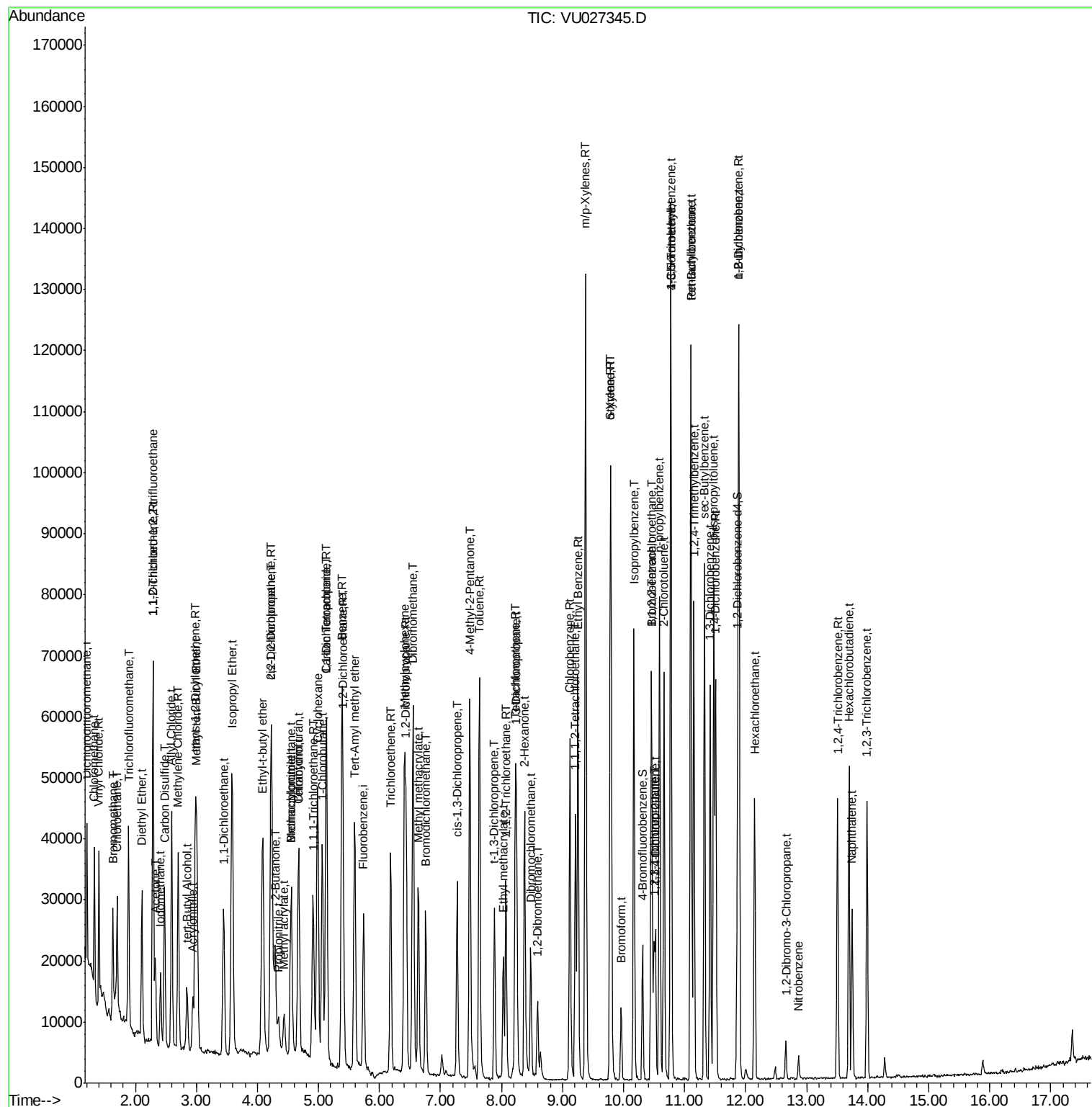
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100318\
Data File : VU027345.D
Acq On : 02 Oct 2018 16:07
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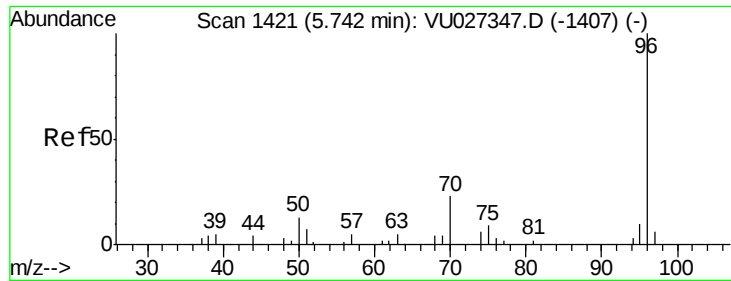
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Oct 03 02:08:26 2018
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

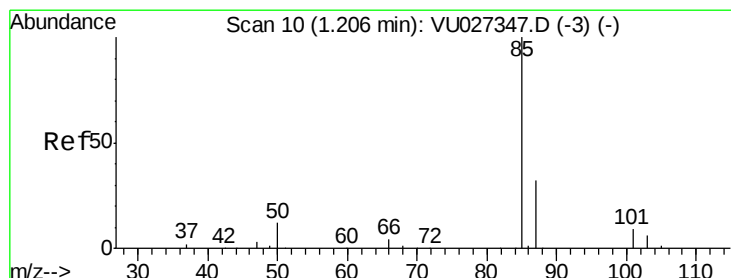
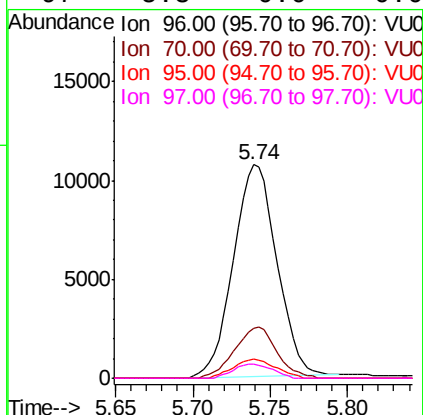
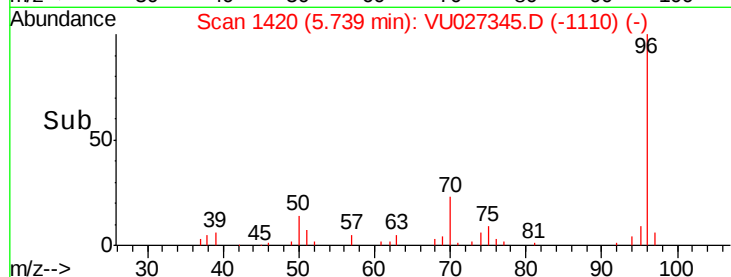
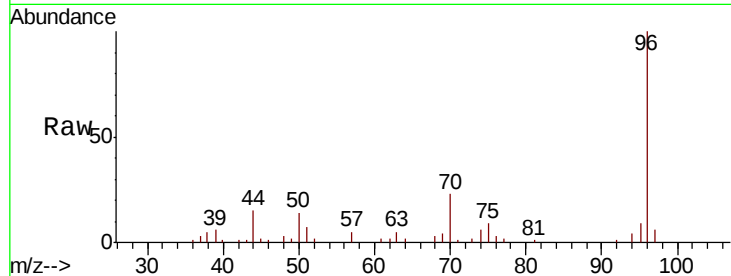
VSTDIC002

Tot Ion: 96 Resp: 20960

Ion	Ratio	Lower	Upper
96	100		
70	23.3	19.2	28.8
95	8.8	7.7	11.5
97	5.8	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 2.479 ug/l

RT: 1.21 min Scan# 10

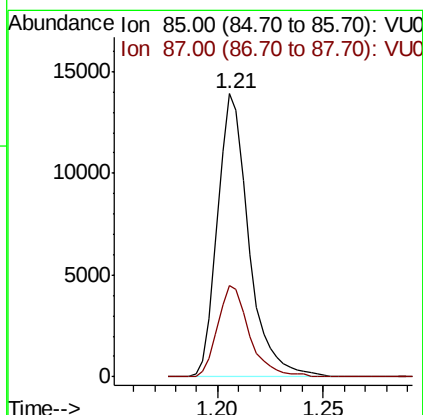
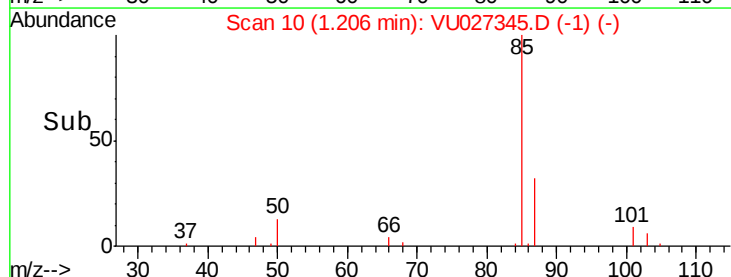
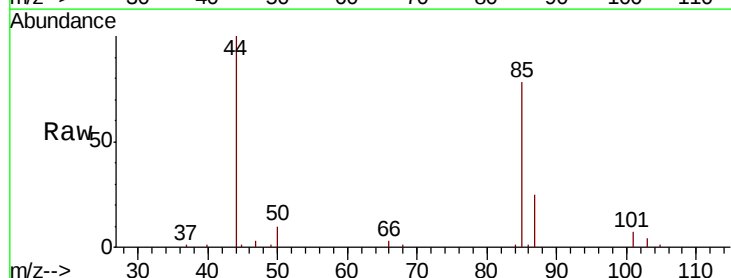
Delta R.T. -0.00 min

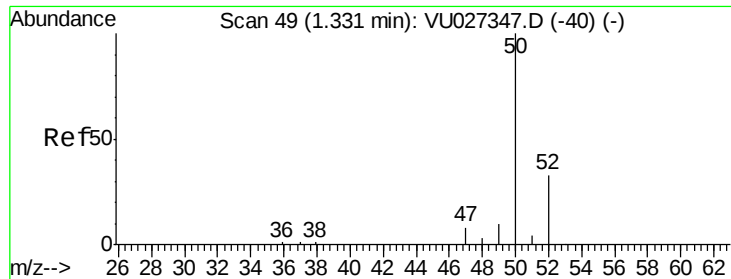
Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Tgt Ion: 85 Resp: 14356

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.1	48.3





#3

Chloromethane

Concen: 2.346 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 50 Resp: 16887

Ion Ratio Lower Upper

50 100

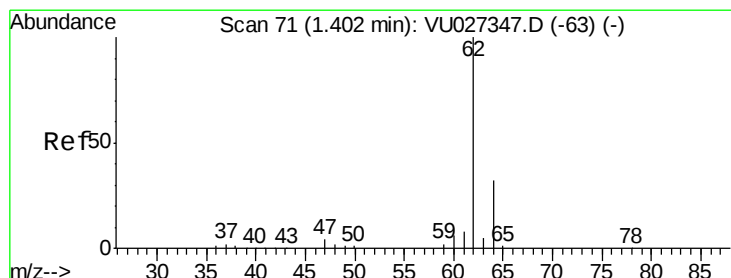
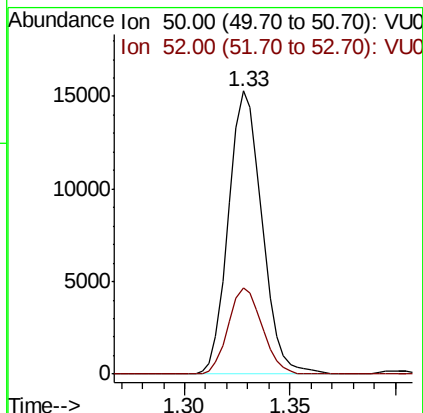
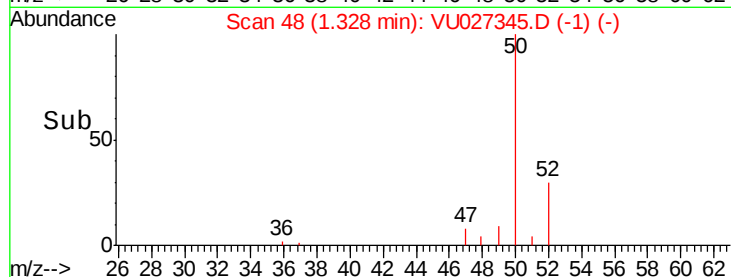
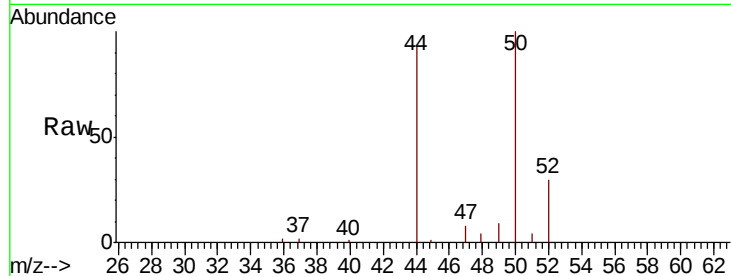
52 30.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.428 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027345.D

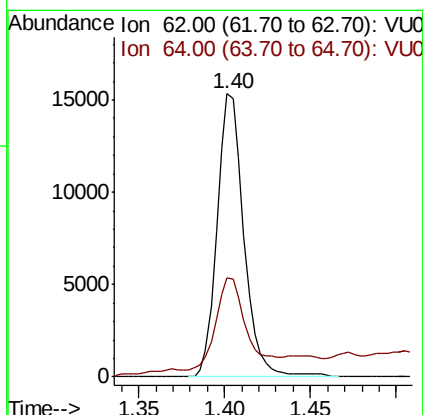
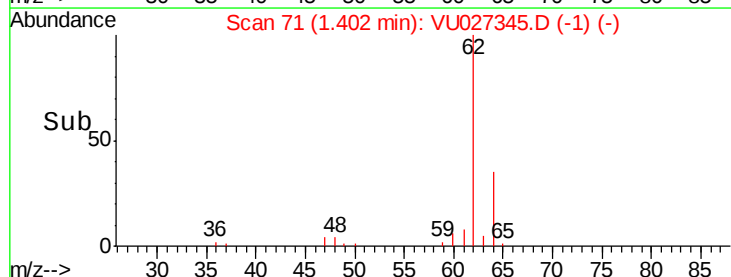
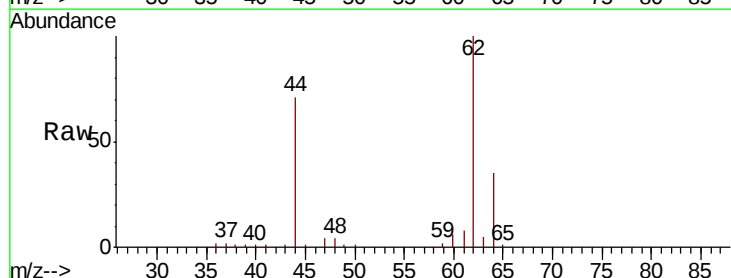
Acq: 02 Oct 2018 16:07

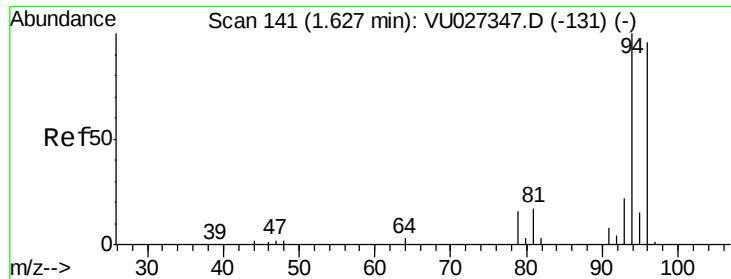
Tgt Ion: 62 Resp: 16675

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 1.573 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 94 Resp: 7271

Ion Ratio Lower Upper

94 100

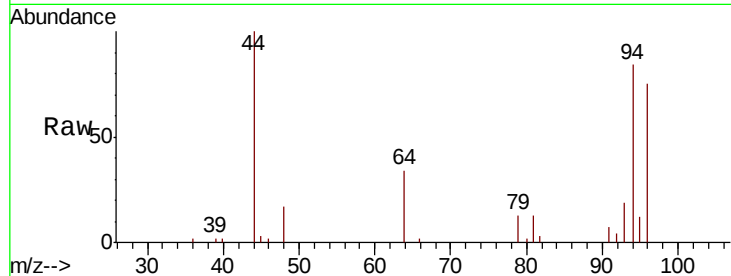
96 89.7 77.0 115.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

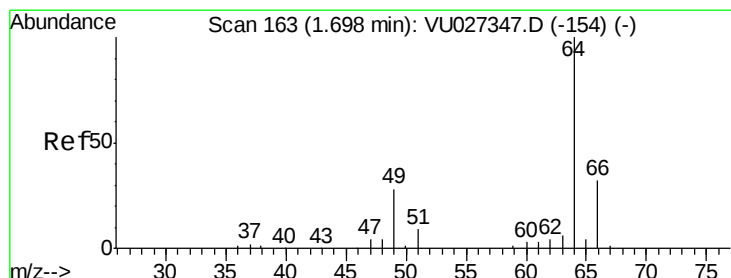
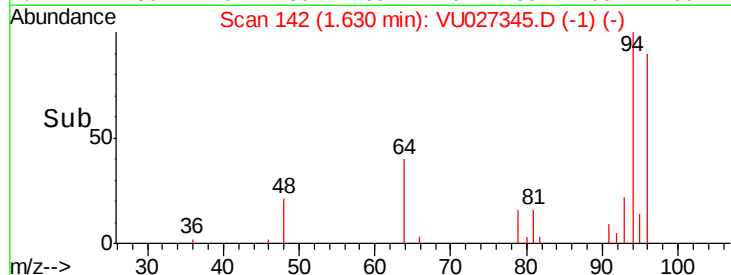
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 3.156 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027345.D

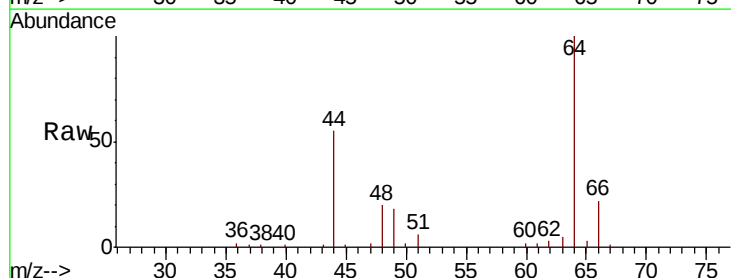
Acq: 02 Oct 2018 16:07

Tgt Ion: 64 Resp: 12354

Ion Ratio Lower Upper

64 100

66 27.9 25.3 37.9



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

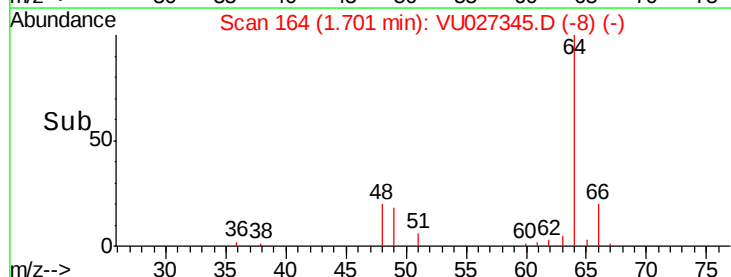
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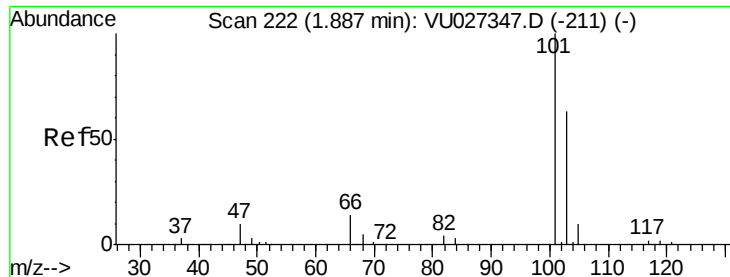
10000

5000

0

Time-->





#7

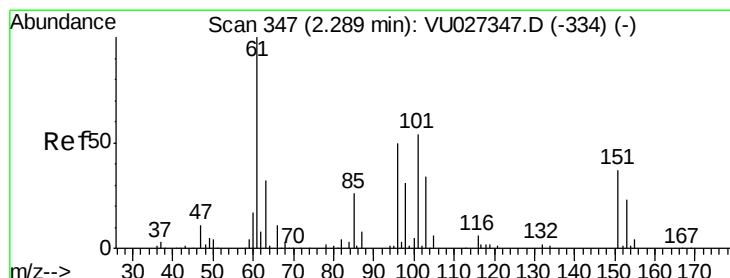
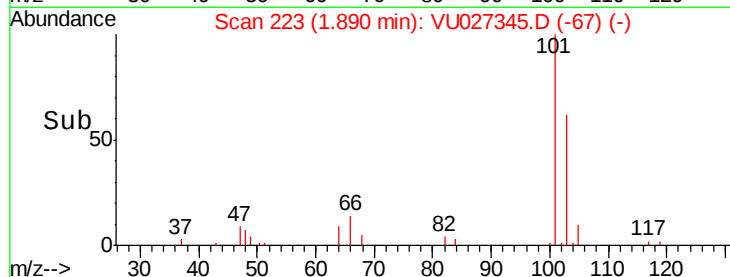
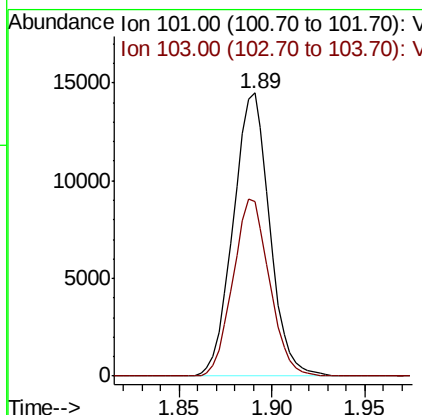
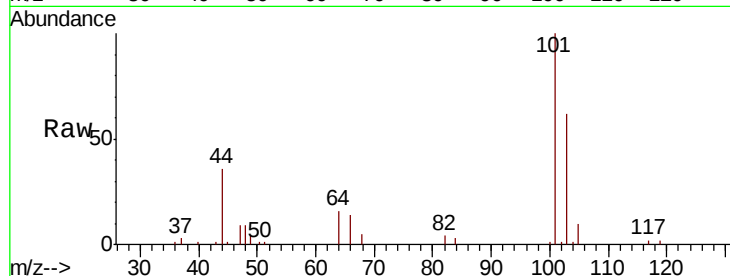
Trichlorofluoromethane
 Concen: 2.410 ug/l
 RT: 1.89 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	50.8	76.2

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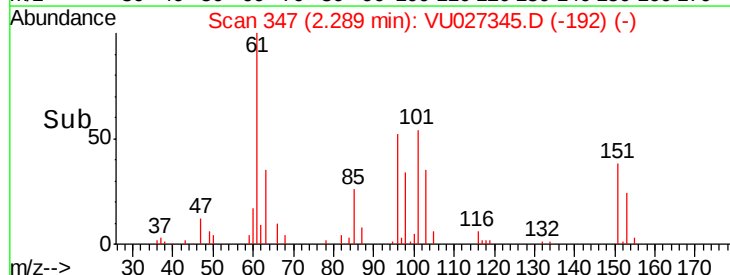
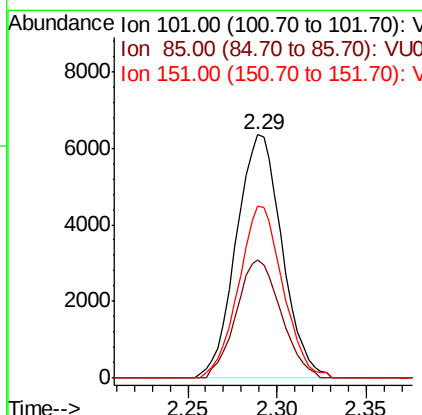
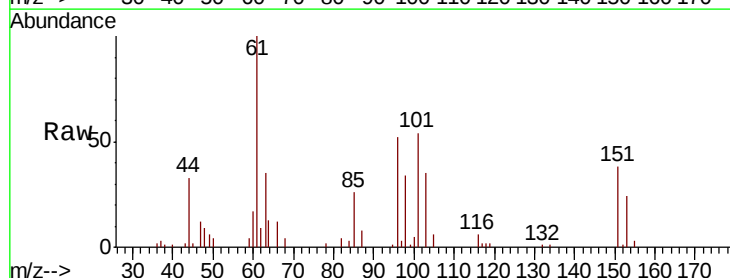
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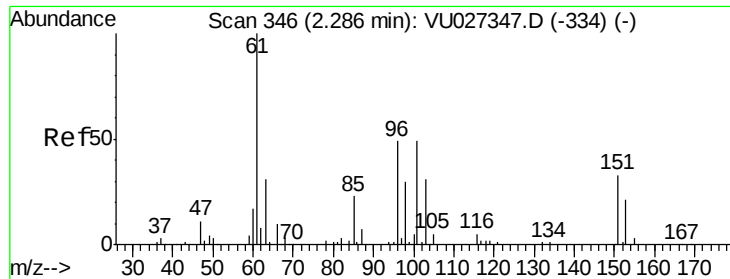


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.381 ug/l
 RT: 2.29 min Scan# 347
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.5	37.6	56.4
151	68.3	54.6	81.8





#9

1,1-Dichloroethene

Concen: 2.101 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

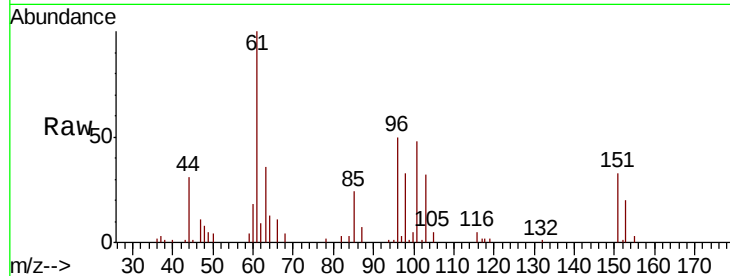
ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	9424
Ion	Ratio	Lower	Upper
96	100		
61	198.6	0.0	614.1
98	65.0	0.0	123.4

Manual Integrations
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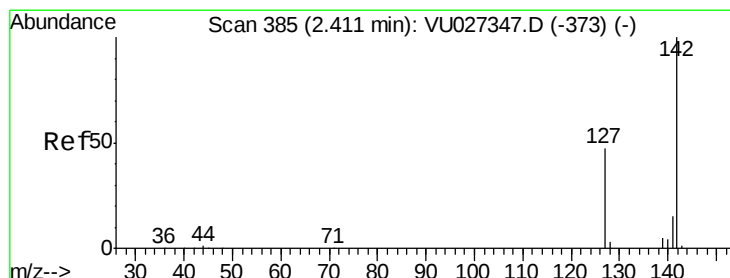
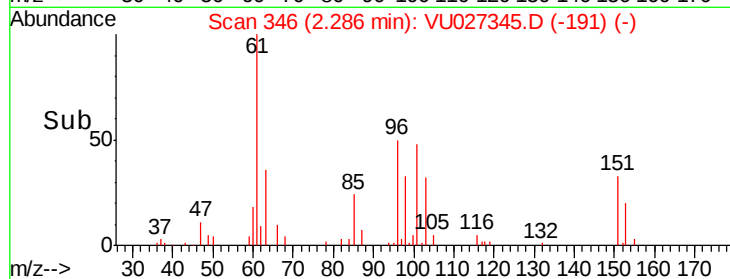
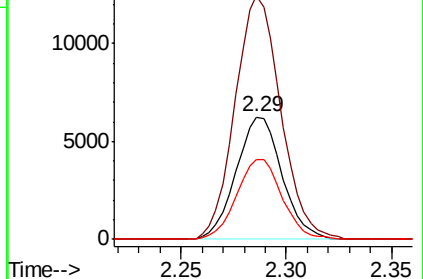
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Abundance Ion 96.00 (95.70 to 96.70): VU027345.D (-191) (-)

Ion 61.00 (60.70 to 61.70): VU027345.D (-191) (-)

Ion 98.00 (97.70 to 98.70): VU027345.D (-191) (-)



#10

Iodomethane

Concen: 2.707 ug/l

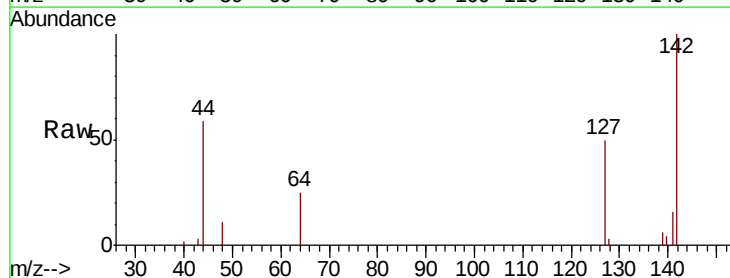
RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU027345.D

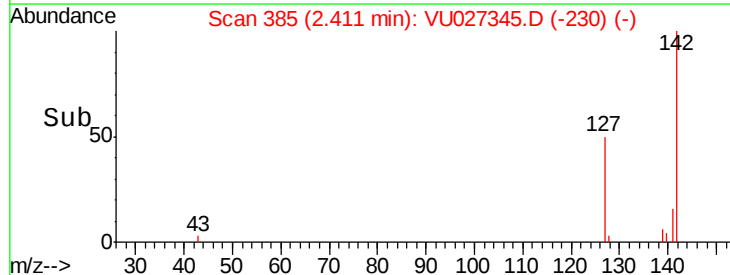
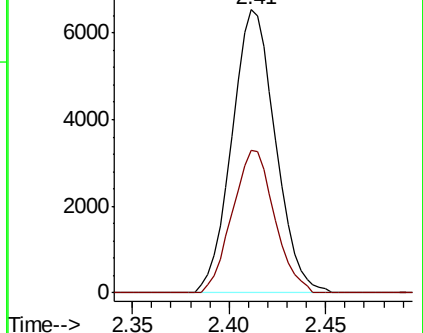
Acq: 02 Oct 2018 16:07

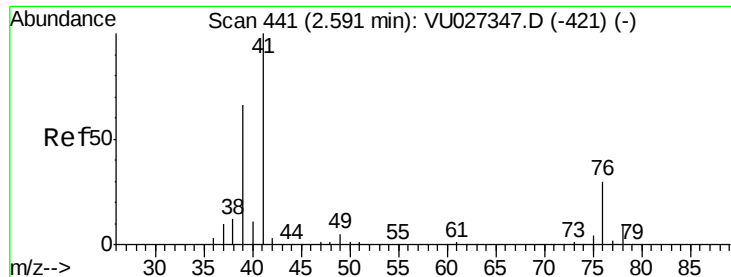
Tgt Ion:	142	Resp:	10224
Ion	Ratio	Lower	Upper
142	100		
127	48.8	38.3	57.5



Abundance Ion 142.00 (141.70 to 142.70): VU027345.D (-230) (-)

Ion 127.00 (126.70 to 127.70): VU027345.D (-230) (-)





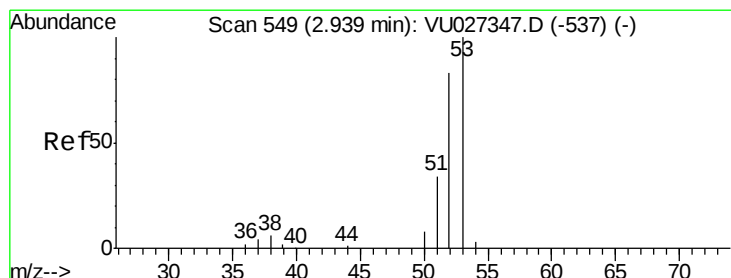
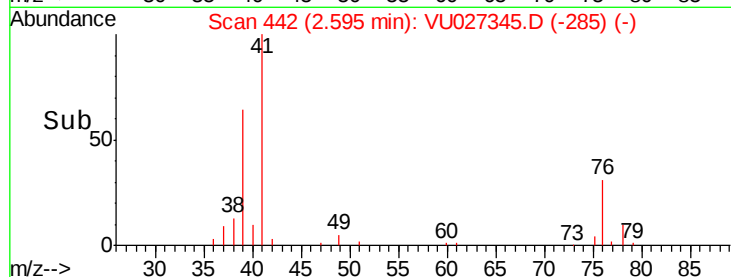
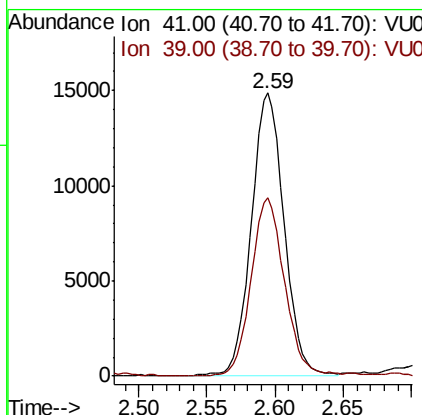
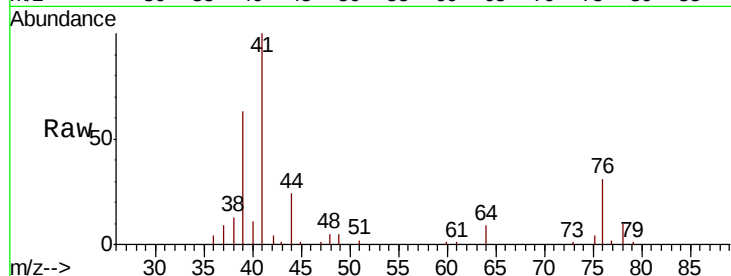
#11
Allvl Chloride
Concen: 2.897 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 41 Resp: 24836
Ion Ratio Lower Upper
41 100
39 64.6 52.2 78.4

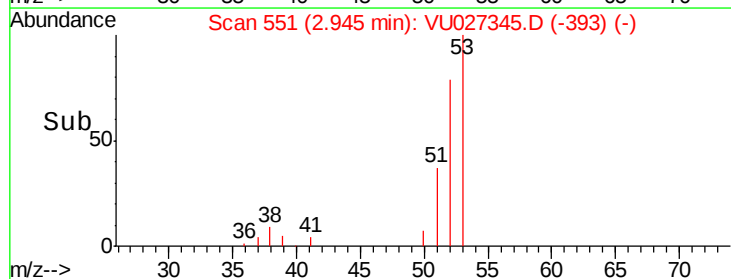
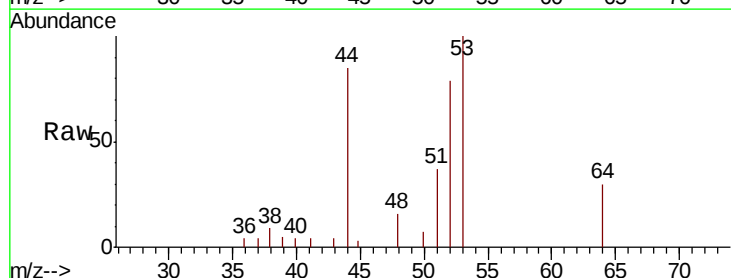
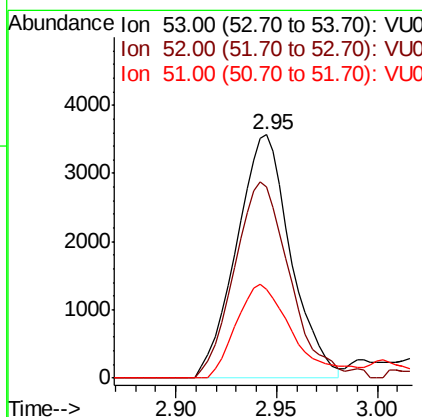
Manual Integrations
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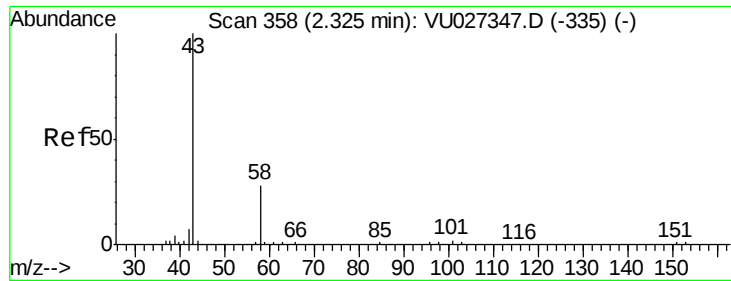
apatel
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#12
Acrylonitrile
Concen: 5.727 ug/l
RT: 2.95 min Scan# 551
Delta R.T. 0.01 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion: 53 Resp: 6693
Ion Ratio Lower Upper
53 100
52 83.0 67.0 100.4
51 40.8 29.0 43.6





#13

Acetone

Concen: 14.147 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 15004

Ion Ratio Lower Upper

43 100

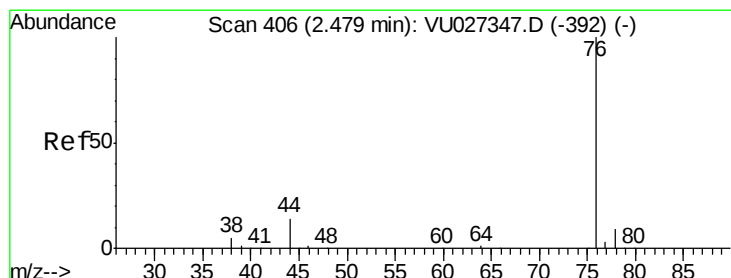
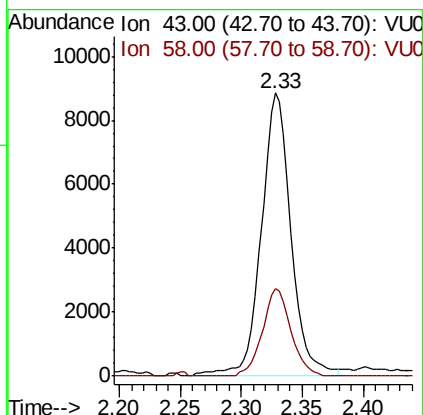
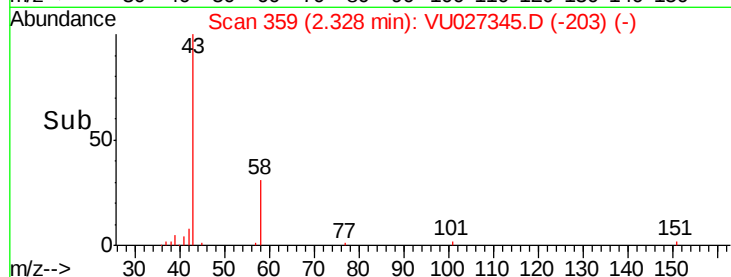
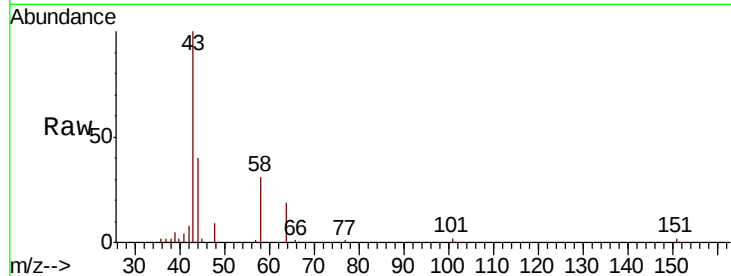
58 31.0 22.6 34.0

Manual Integrations

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#14

Carbon Disulfide

Concen: 2.260 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027345.D

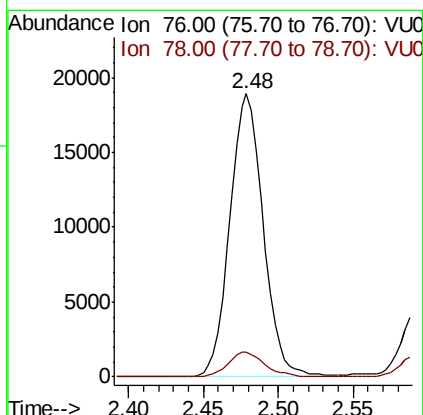
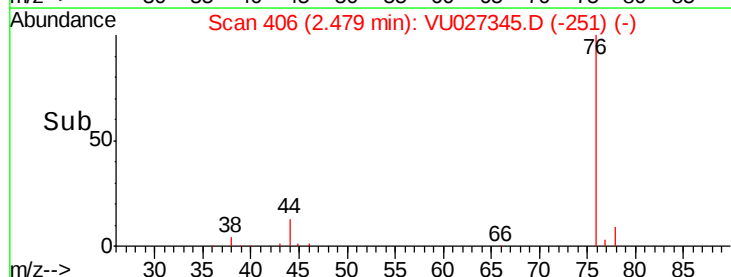
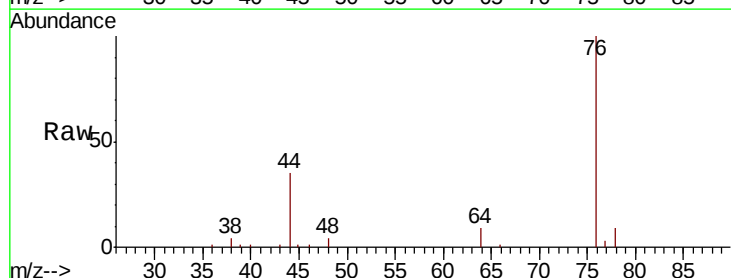
Acq: 02 Oct 2018 16:07

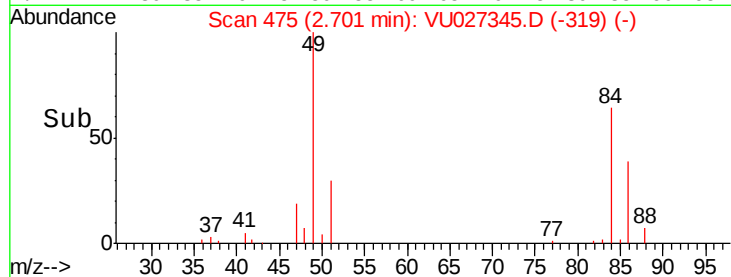
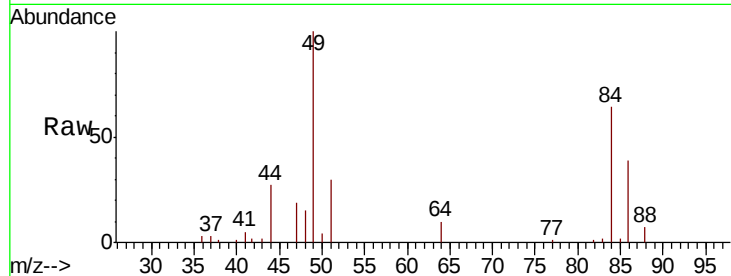
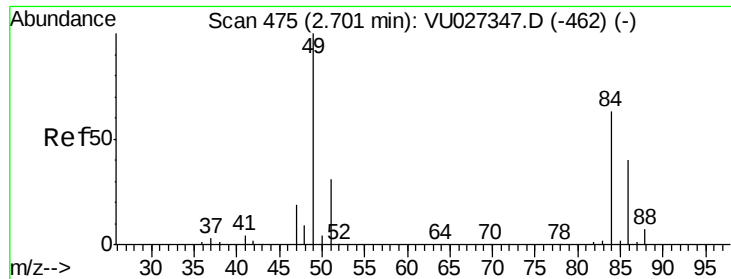
Tgt Ion: 76 Resp: 29440

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9





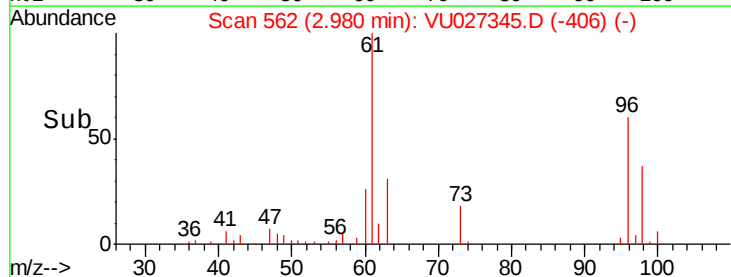
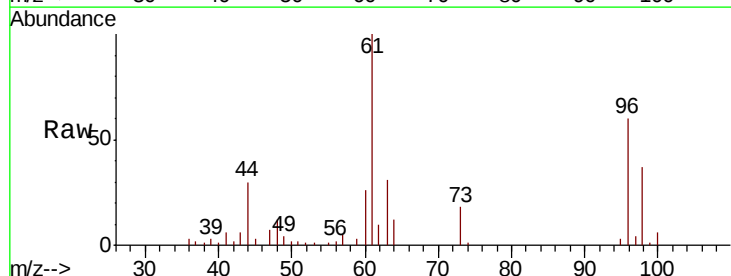
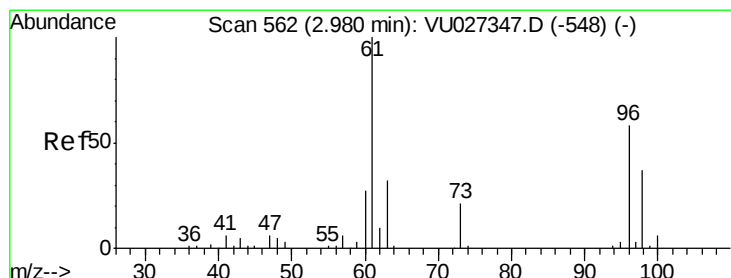
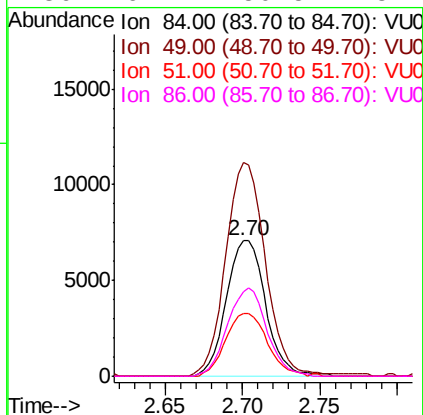
#15
Methvlene Chloride
Concen: 2.297 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	157.5	126.0	189.0	
51	46.6	0.0	97.4	
86	62.1	50.5	75.7	

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

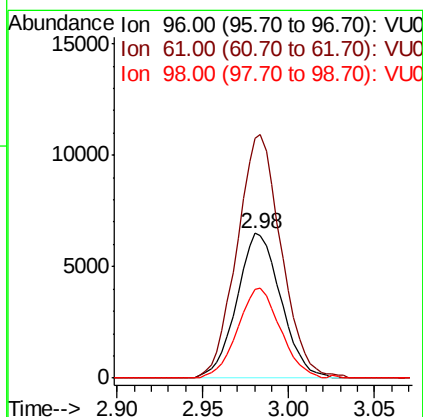
Manual Integrations
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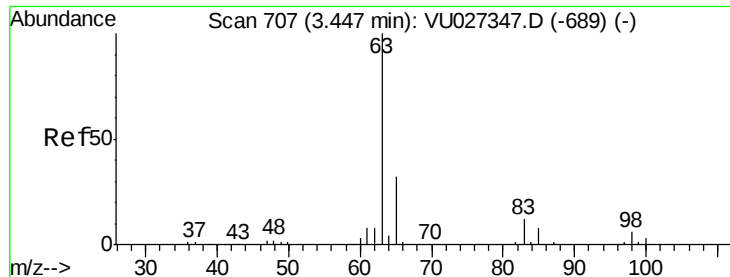
apatel
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#16
trans-1,2-Dichloroethene
Concen: 2.409 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	166.4	138.2	207.4	
98	61.3	51.5	77.3	





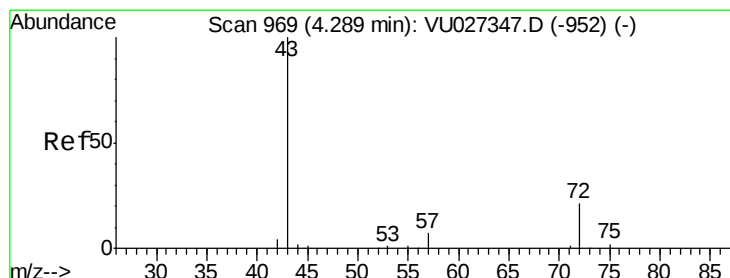
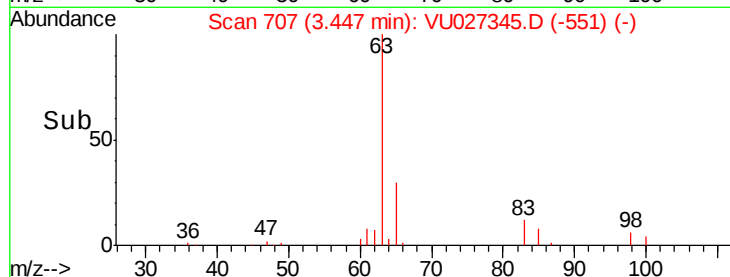
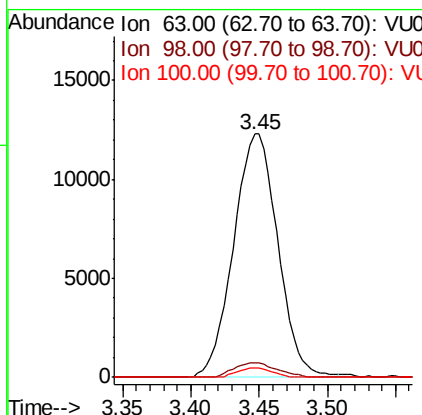
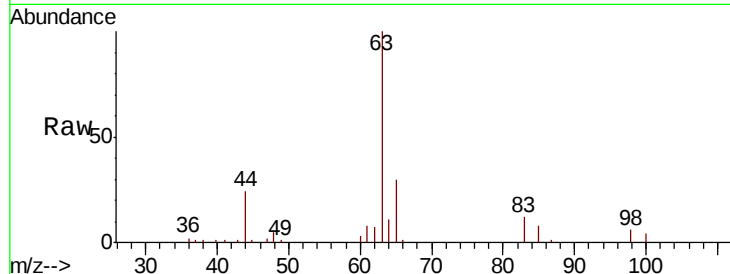
#17
 1,1-Dichloroethane
 Concen: 2.716 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.1	2.9	8.6
100	4.0	1.8	5.3

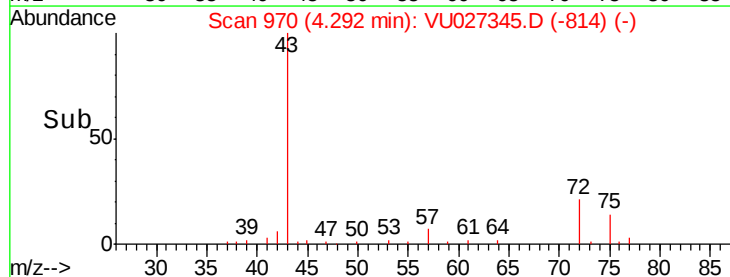
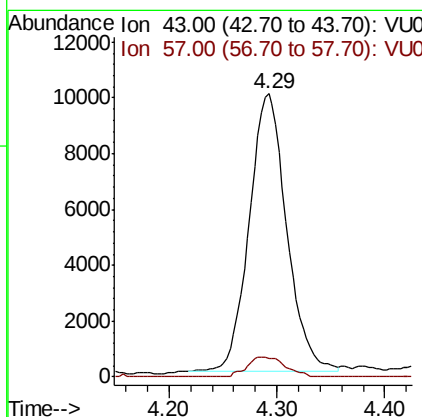
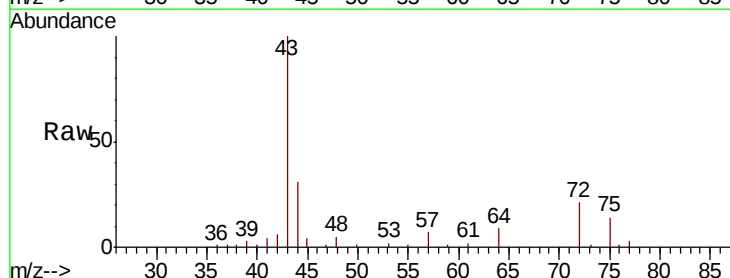
Manual Integrations
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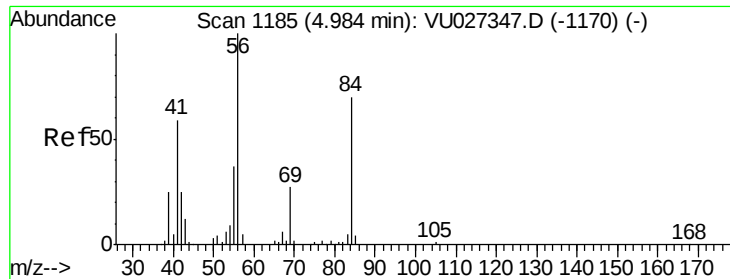
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#18
 2-Butanone
 Concen: 14.011 ug/l
 RT: 4.29 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
43	100		
57	6.7	0.0	14.4





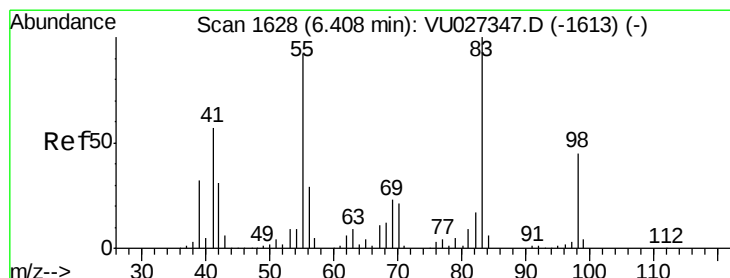
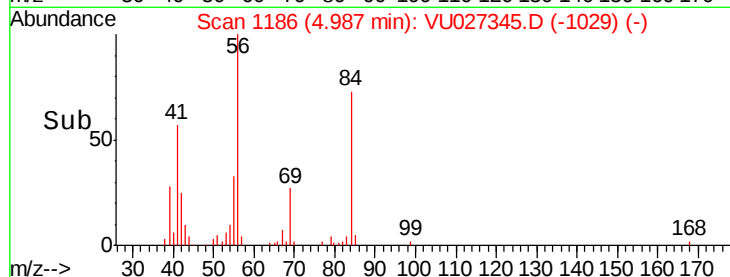
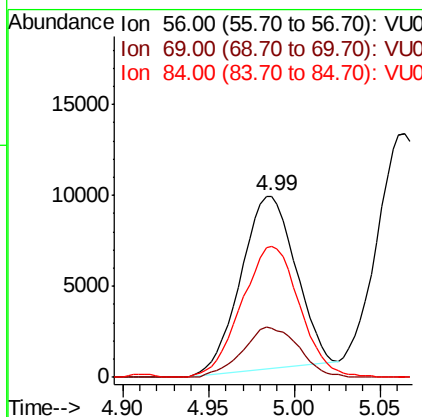
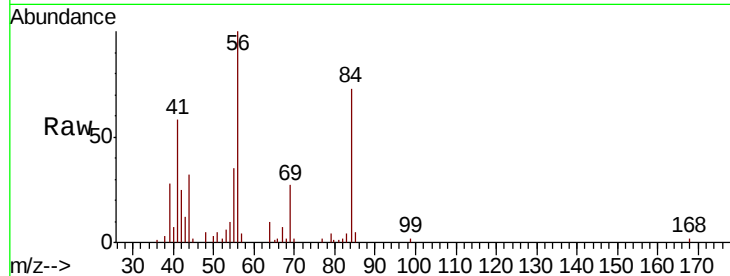
#19
Cyclohexane
Concen: 2.494 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.9	37.3
84	80.2	63.0	94.6

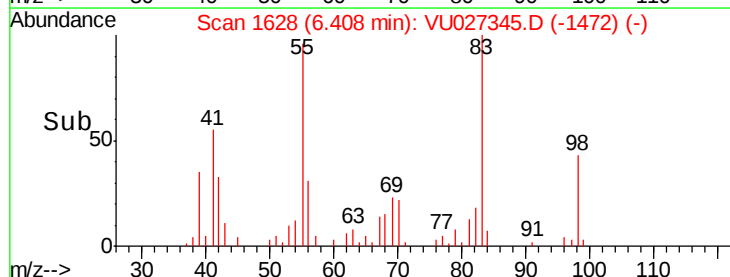
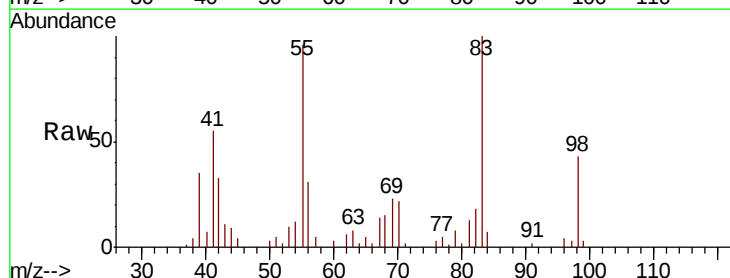
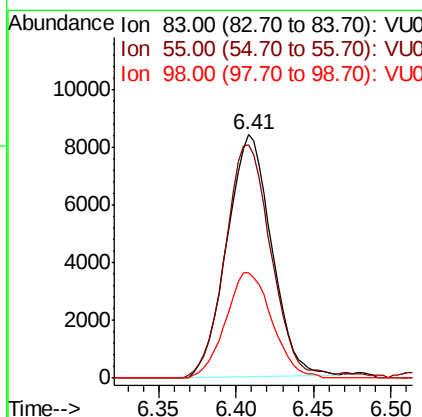
Manual Integrations
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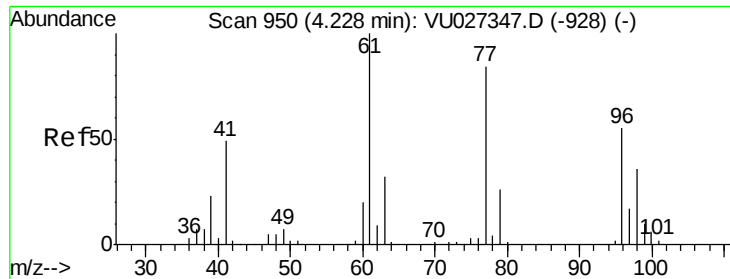
apatel
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#20
Methylcyclohexane
Concen: 1.827 ug/l
RT: 6.41 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
83	100		
55	96.7	71.6	107.4
98	45.4	35.8	53.6





#21

2,2-Dichloropropane

Concen: 2.982 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 77 Resp: 23054

Ion Ratio Lower Upper

77 100

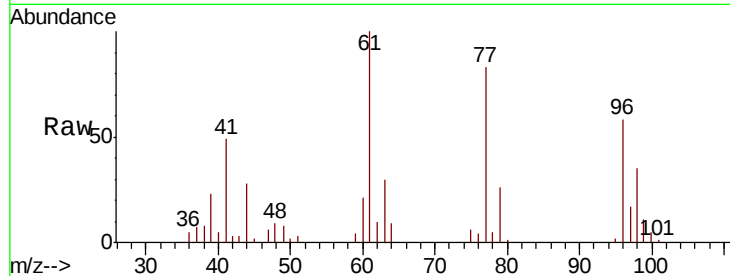
97 19.0 16.0 24.0

Manual Integrations

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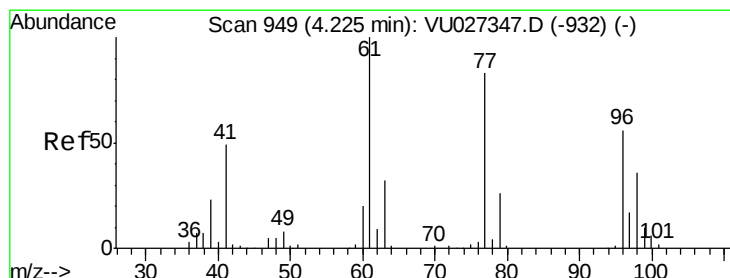
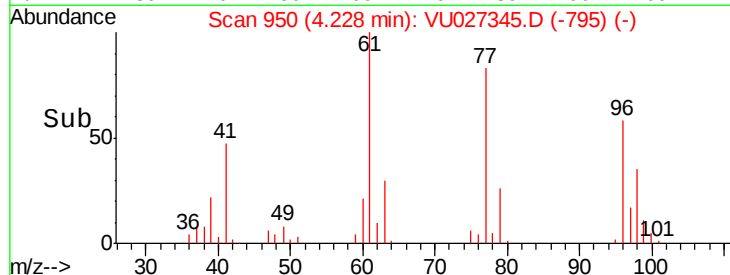
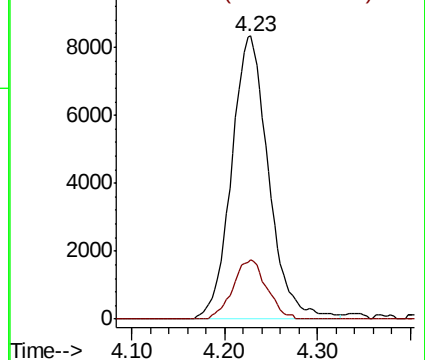
apatel

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Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 2.316 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

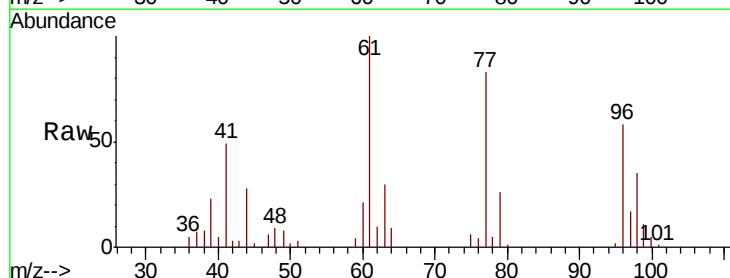
Tgt Ion: 96 Resp: 13819

Ion Ratio Lower Upper

96 100

61 179.6 0.0 461.8

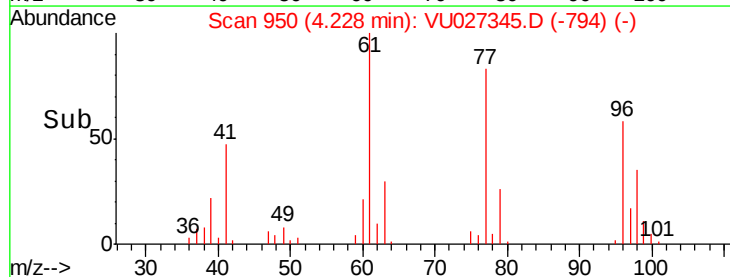
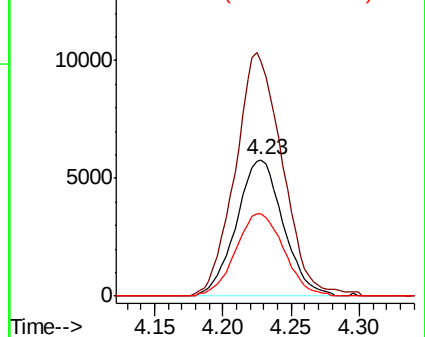
98 62.3 32.5 97.4

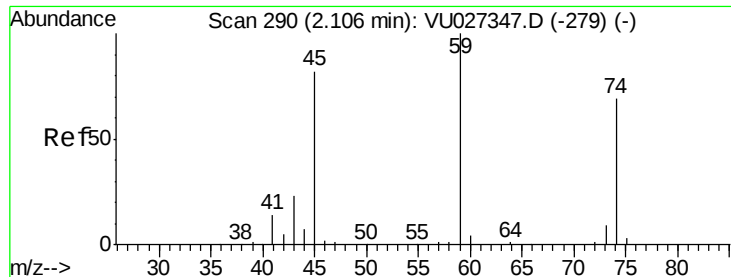


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





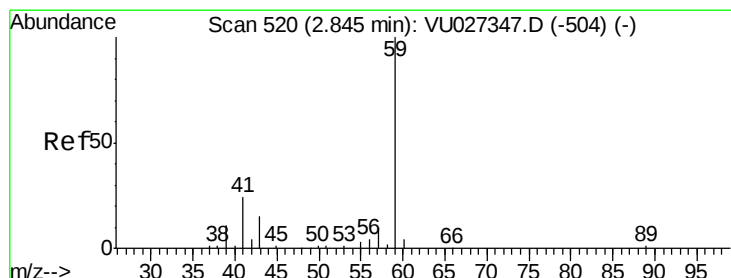
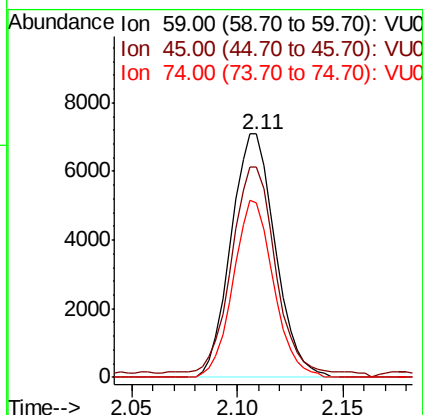
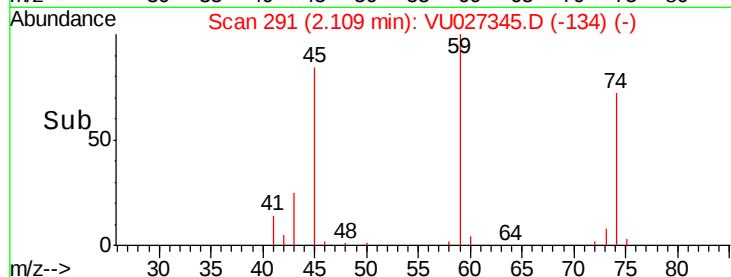
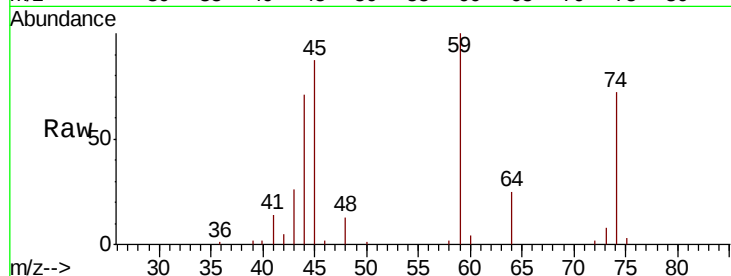
#23
Diethyl Ether
Concen: 2.617 ug/l
RT: 2.11 min Scan# 291
Delta R.T. 0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
45	89.3	65.2	97.8
74	66.3	54.2	81.4

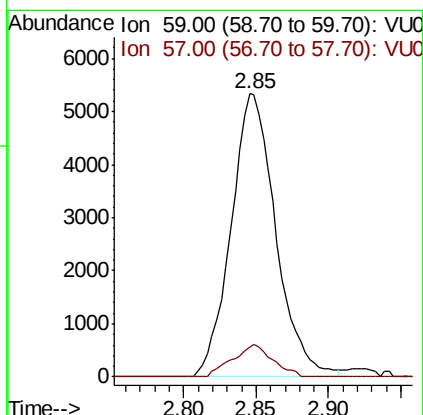
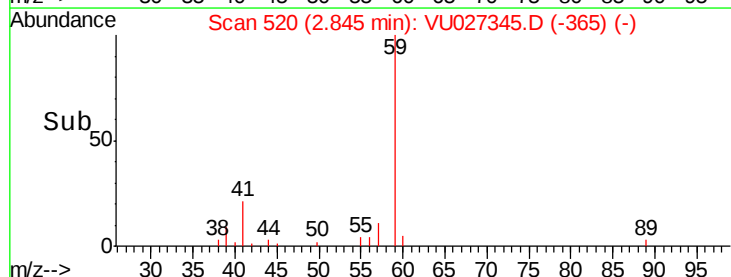
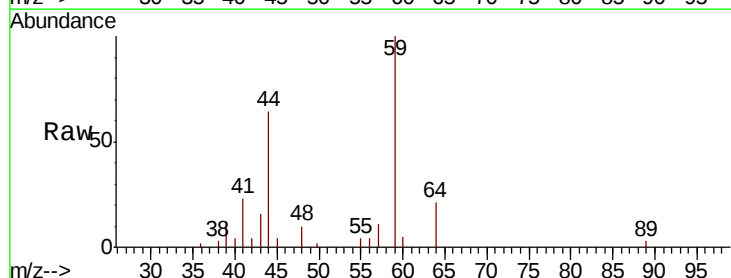
Manual Integrations
APPROVED

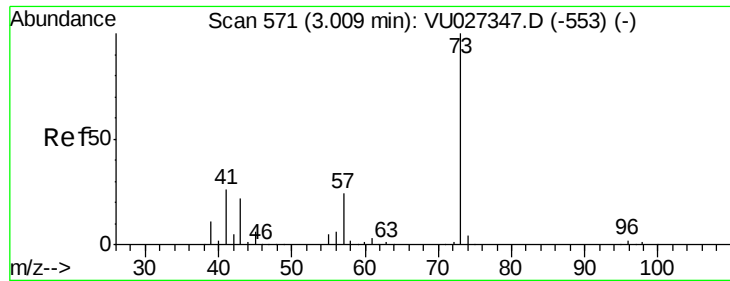
apatel
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#24
tert-Butyl Alcohol
Concen: 23.990 ug/l
RT: 2.85 min Scan# 520
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2





#25

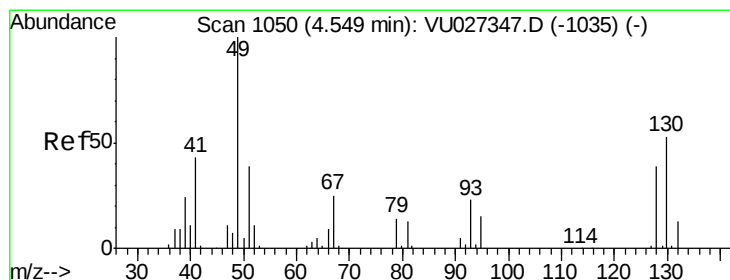
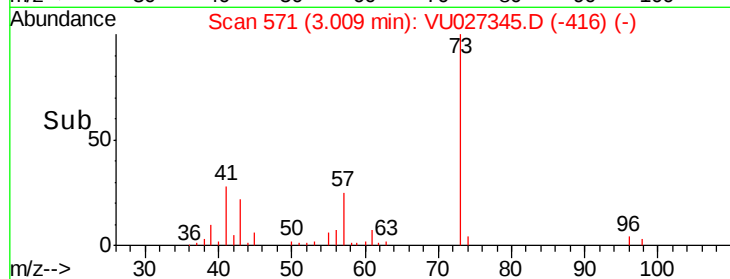
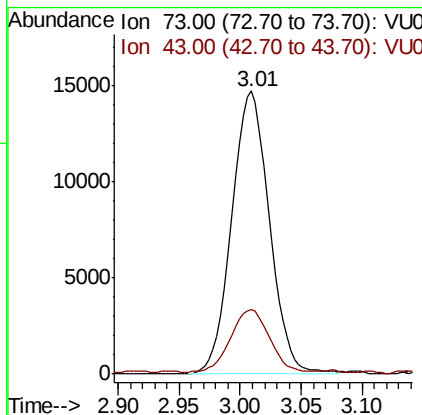
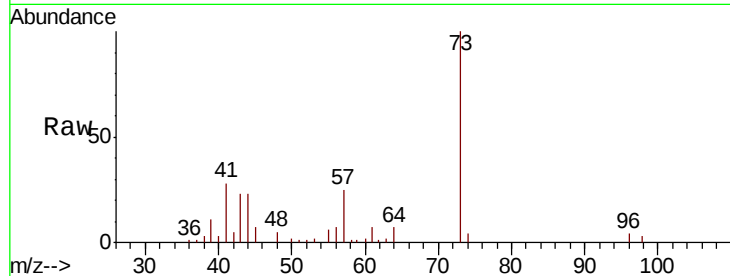
Methyl tert-Butyl Ether
 Concen: 2.550 ug/l
 RT: 3.01 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.3	17.6	26.4

Manual Integrations
 APPROVED

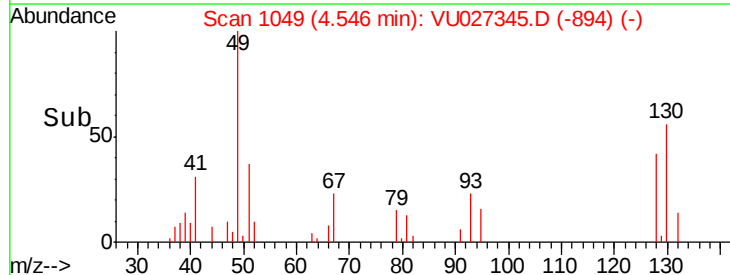
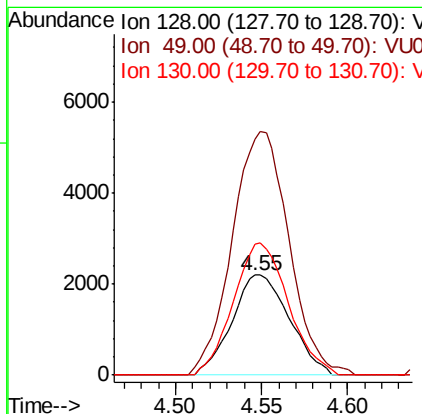
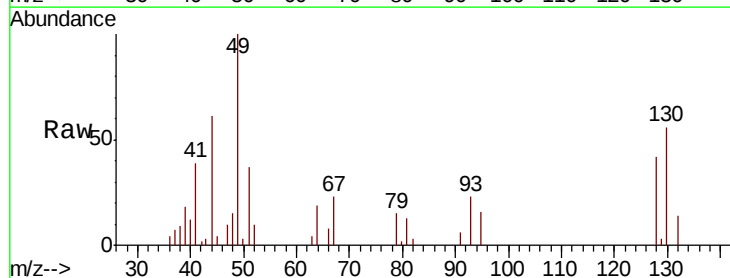
apatel
 10/5/2018 11:56:19 AM

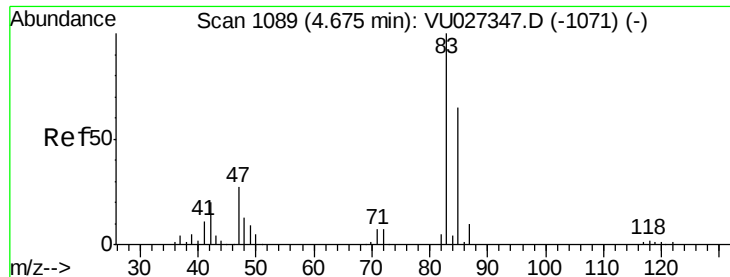


#26

Bromochloromethane
 Concen: 2.022 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
128	100		
49	241.1	0.0	498.8
130	126.8	103.8	155.8





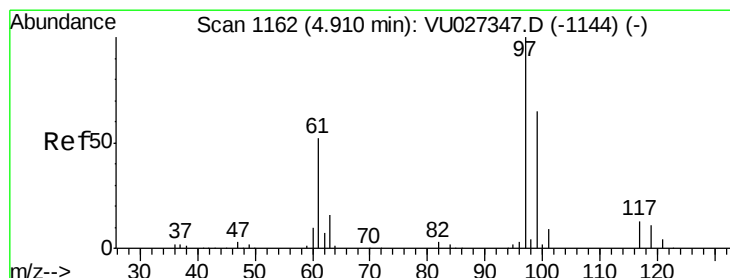
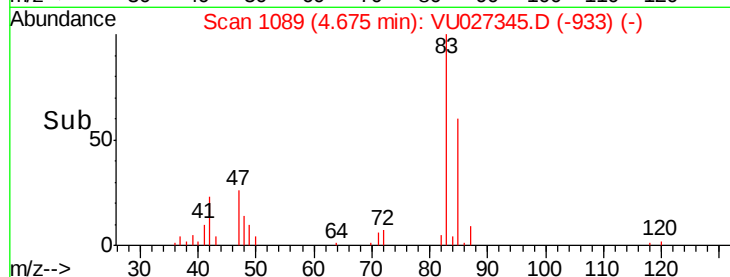
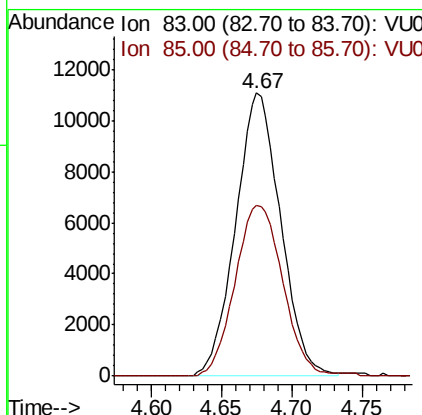
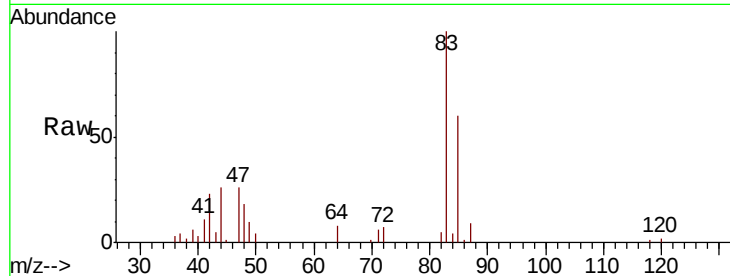
#27
Chloroform
Concen: 2.369 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	24715
Ion Ratio	100	Lower	Upper
85	60.2	0.0	129.4

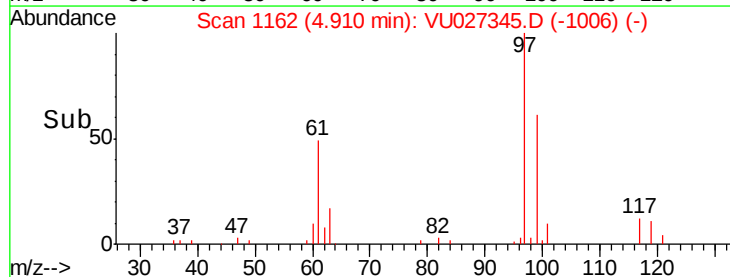
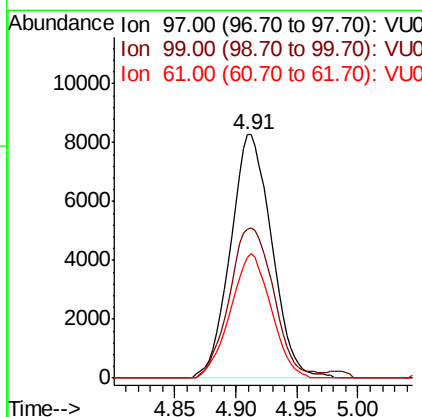
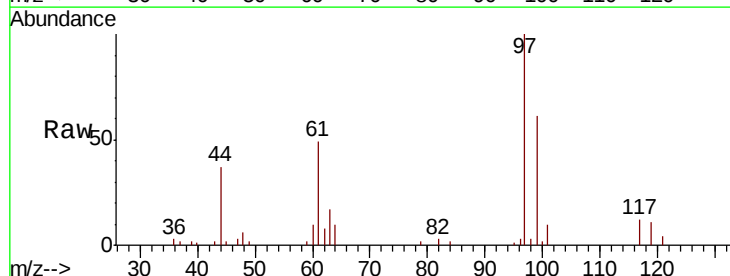
Manual Integrations
APPROVED

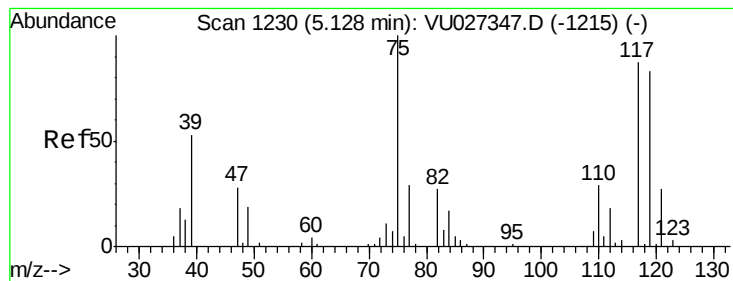
apatel
10/5/2018 11:56:19 AM



#28
1,1,1-Trichloroethane
Concen: 2.373 ug/l
RT: 4.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion	97	Resp	19380
Ion Ratio	100	Lower	Upper
99	66.5	31.9	95.9
61	50.5	25.7	77.1





#29

1,1-Dichloropropene

Concen: 2.302 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

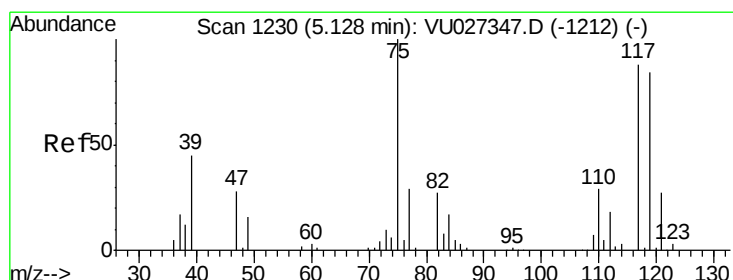
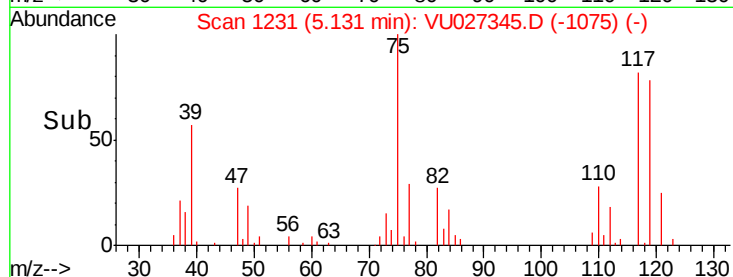
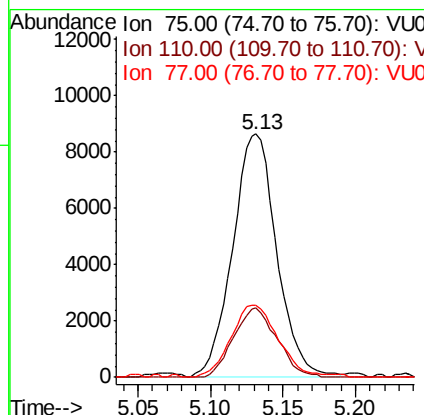
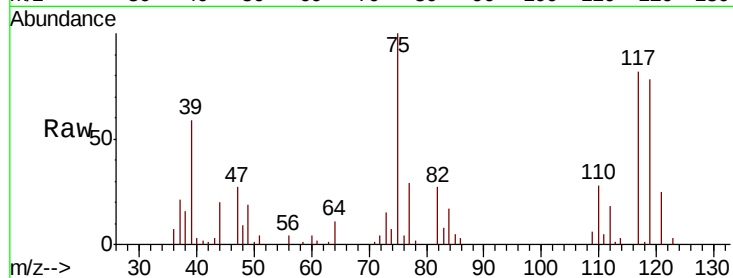
ClientSampleId :

VSTDIC002

Tot Ion:	75	Resp:	18304
Ion Ratio	Lower	Upper	
75	100		
110	28.0	15.0	45.0
77	32.1	24.2	36.2

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 2.428 ug/l

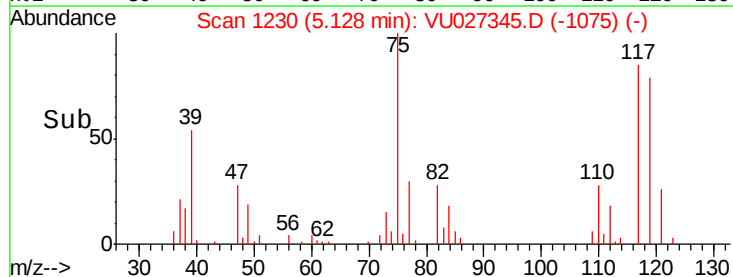
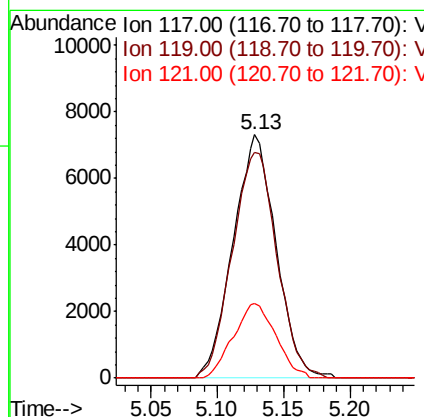
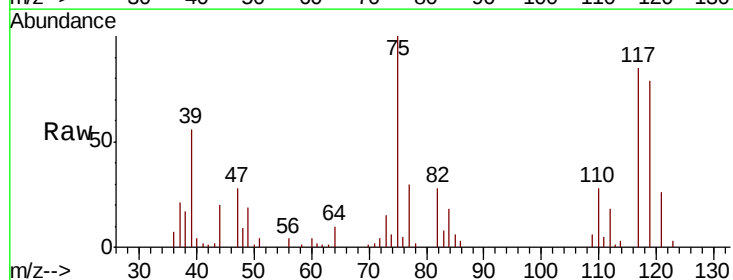
RT: 5.13 min Scan# 1230

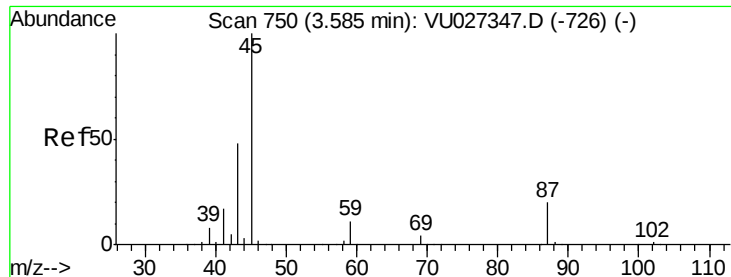
Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Tgt Ion:	117	Resp:	16479
Ion Ratio	Lower	Upper	
117	100		
119	92.9	75.9	113.9
121	30.7	24.6	37.0





#31

Isopropyl Ether

Concen: 2.771 ug/l

RT: 3.58 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 50309

Ion Ratio Lower Upper

45 100

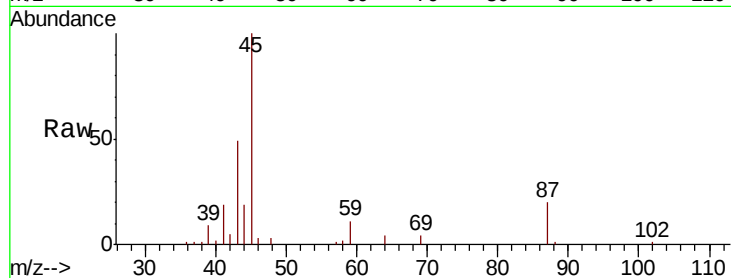
43 50.5 24.1 72.3

Manual Integrations

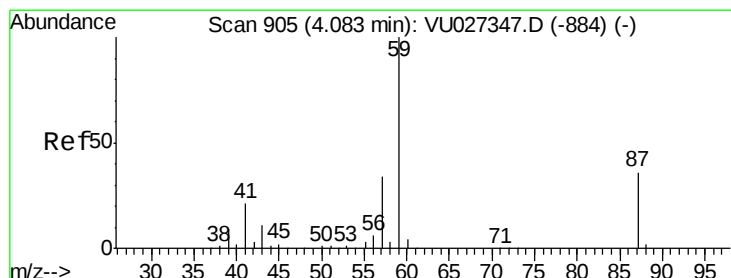
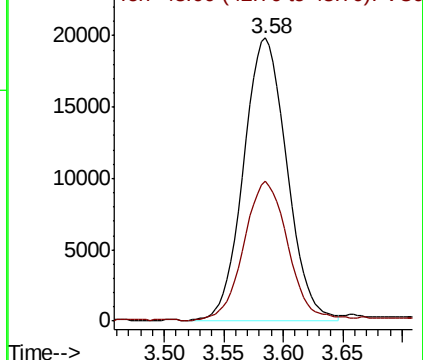
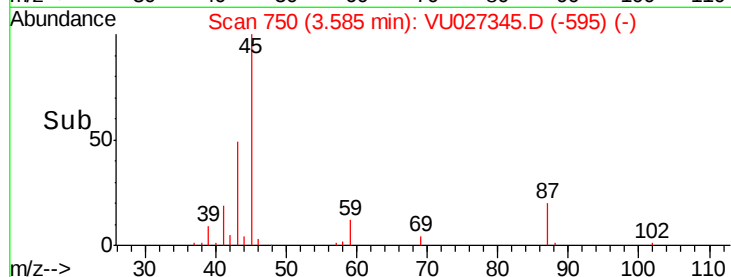
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Abundance Ion 45.00 (44.70 to 45.70): VU027345.D (-595) (-)



#32

Ethyl-t-butyl ether

Concen: 2.596 ug/l

RT: 4.09 min Scan# 906

Delta R.T. 0.00 min

Lab File: VU027345.D

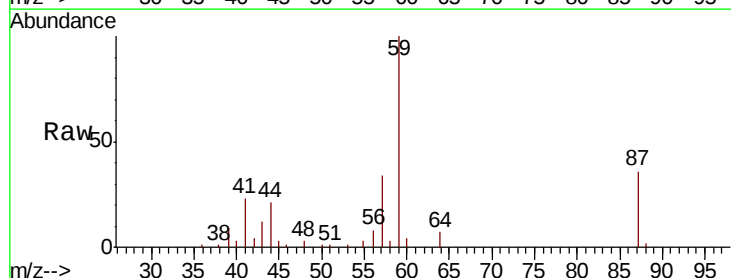
Acq: 02 Oct 2018 16:07

Tgt Ion: 59 Resp: 39933

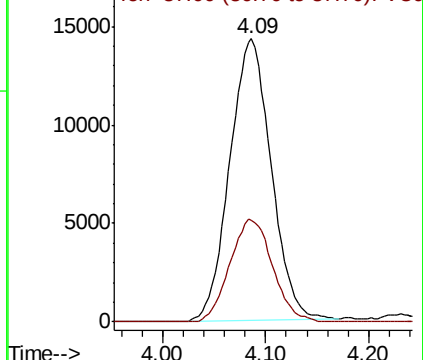
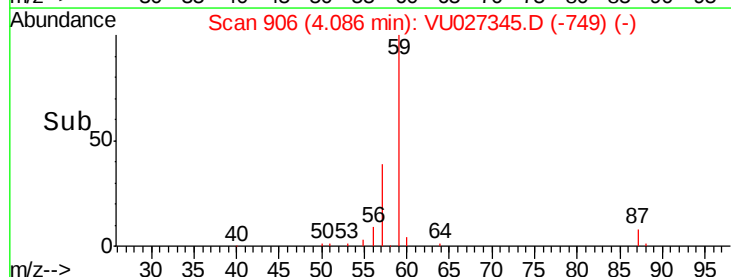
Ion Ratio Lower Upper

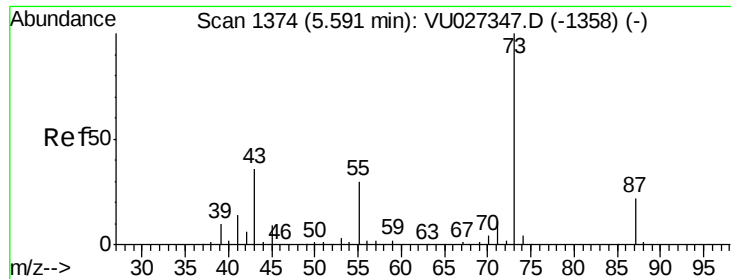
59 100

87 37.4 28.6 42.8



Abundance Ion 59.00 (58.70 to 59.70): VU027345.D (-749) (-)





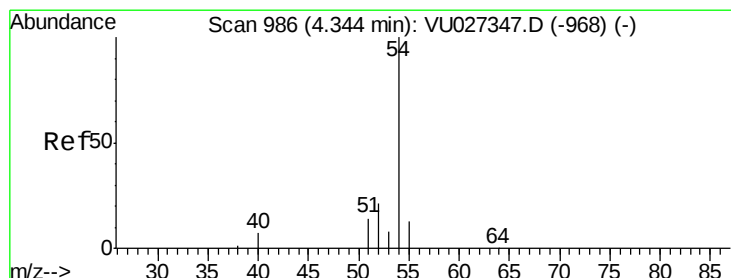
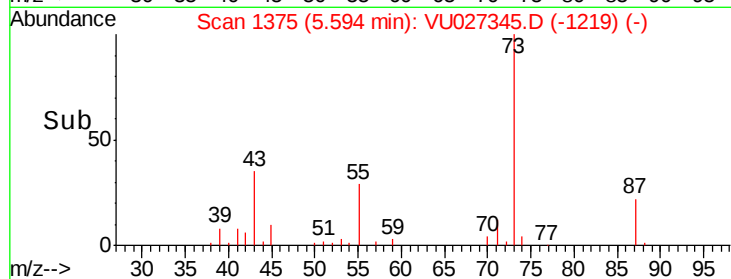
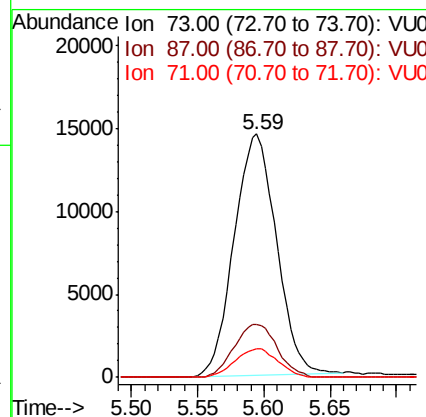
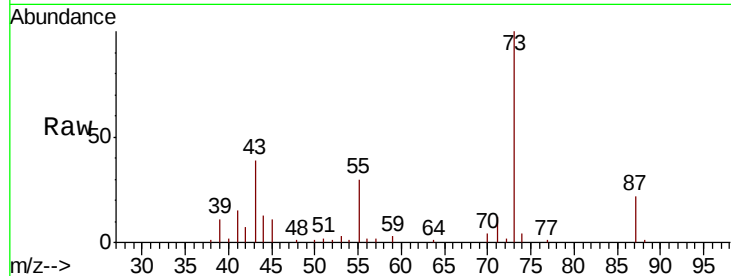
#33
Tert-Butyl methyl ether
Concen: 2.565 ug/l
RT: 5.59 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.2	18.1	27.1
71	12.0	9.2	13.8

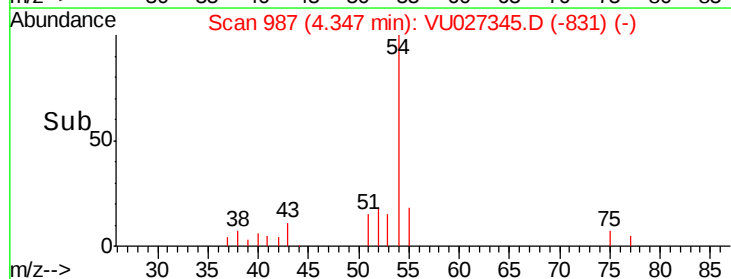
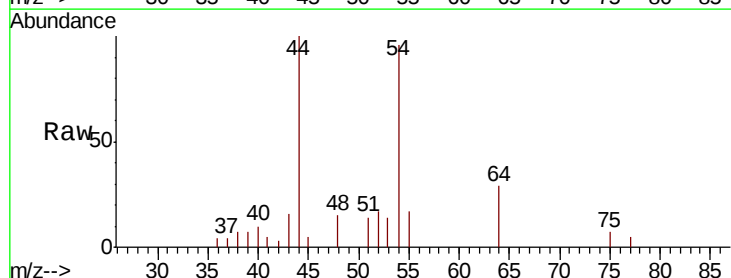
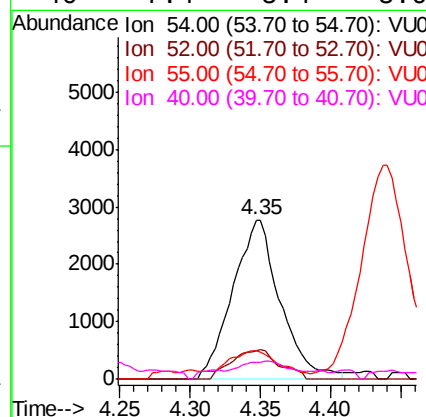
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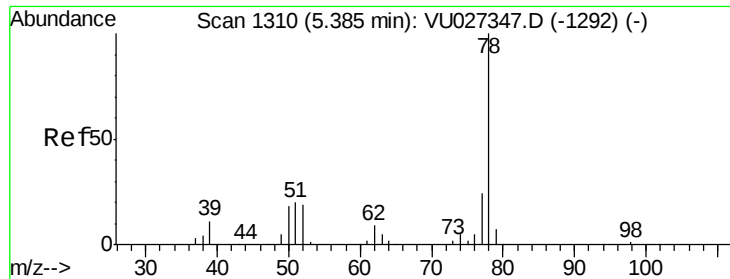
apatel
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#34
Propionitrile
Concen: 13.212 ug/l
RT: 4.35 min Scan# 987
Delta R.T. 0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.3	16.9	25.3
55	13.5	13.9	20.9
40	7.4	5.4	8.0





#35

Benzene

Concen: 2.229 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 78 Resp: 51448

Ion Ratio Lower Upper

78 100

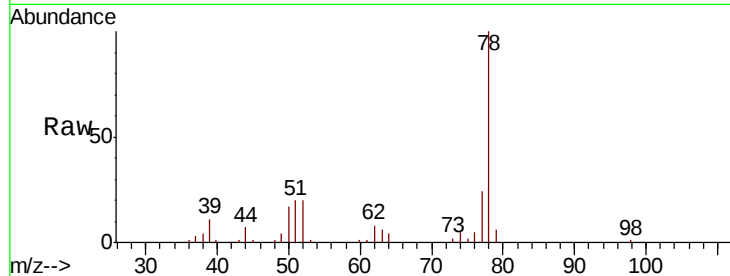
77 23.9 19.5 29.3

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU027345.D (-1154) (-)

Ion 77.00 (76.70 to 77.70): VU027345.D (-1154) (-)

5.39

25000

20000

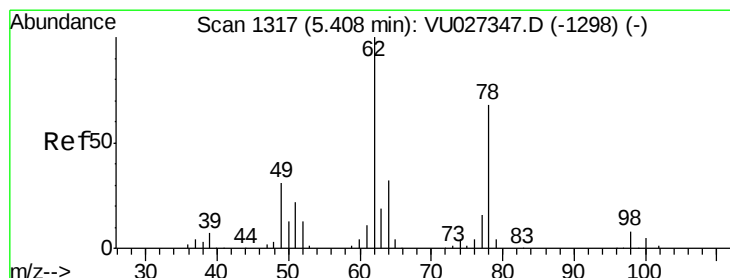
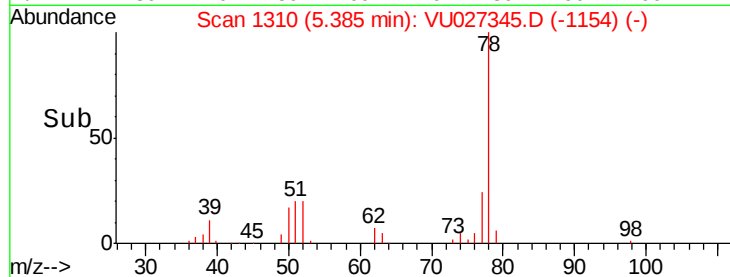
15000

10000

5000

0

Time-->



#36

1,2-Dichloroethane

Concen: 2.614 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU027345.D

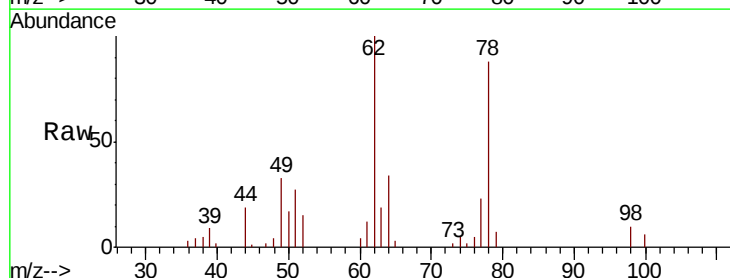
Acq: 02 Oct 2018 16:07

Tgt Ion: 62 Resp: 17394

Ion Ratio Lower Upper

62 100

98 8.6 6.2 9.2



Abundance Ion 62.00 (61.70 to 62.70): VU027345.D (-1162) (-)

Ion 98.00 (97.70 to 98.70): VU027345.D (-1162) (-)

5.41

8000

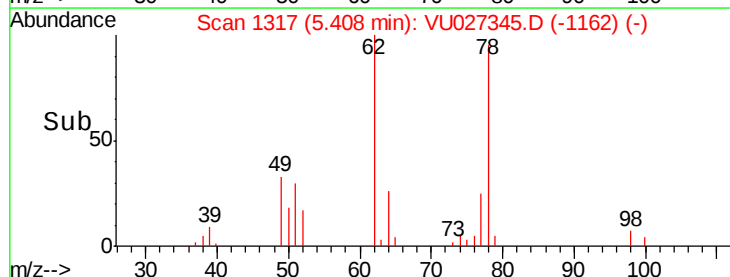
6000

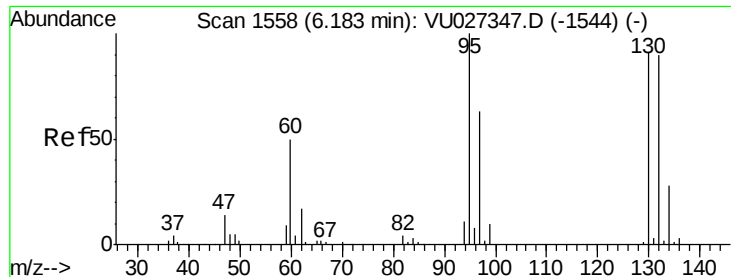
4000

2000

0

Time-->





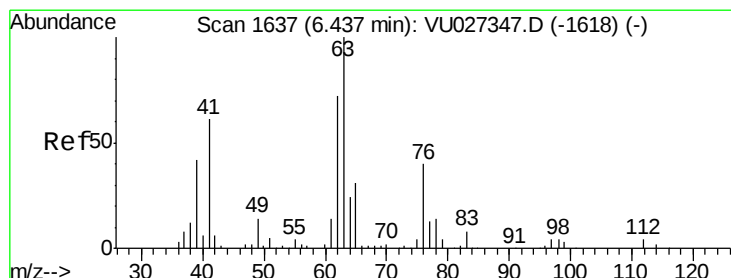
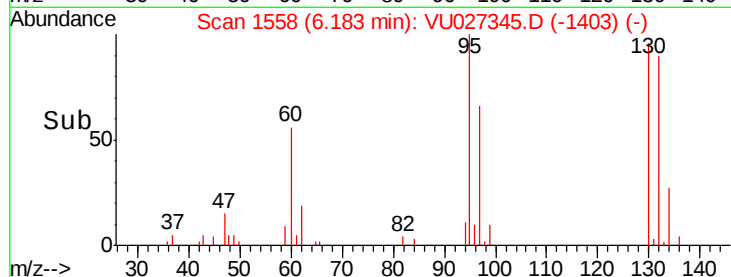
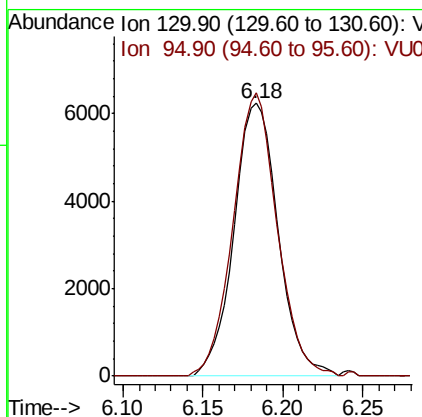
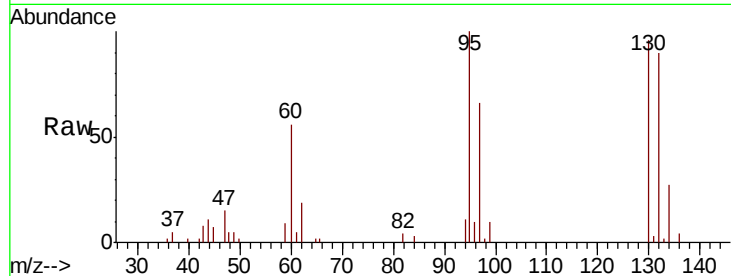
#37
 Trichloroethene
 Concen: 1.937 ug/l
 RT: 6.18 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:130 Resp: 11815
 Ion Ratio Lower Upper
 130 100
 95 103.7 87.6 131.4

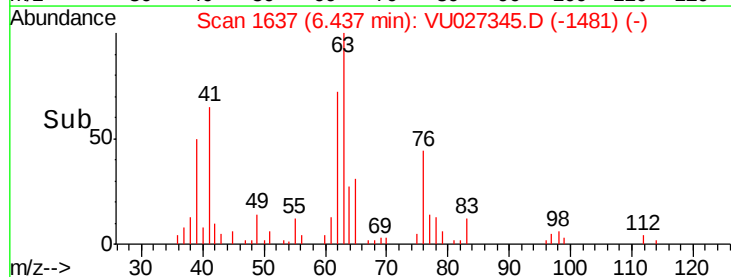
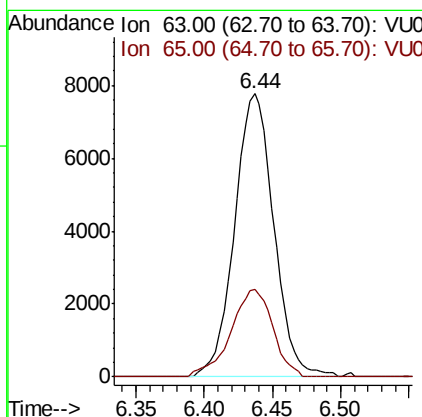
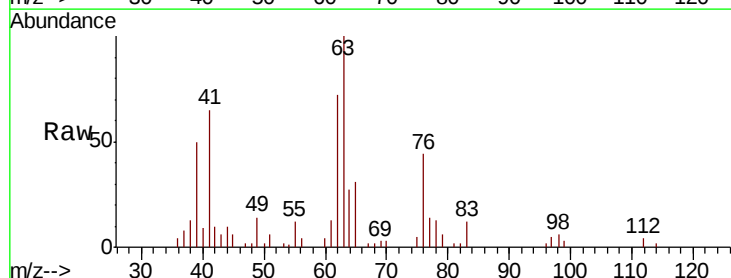
Manual Integrations
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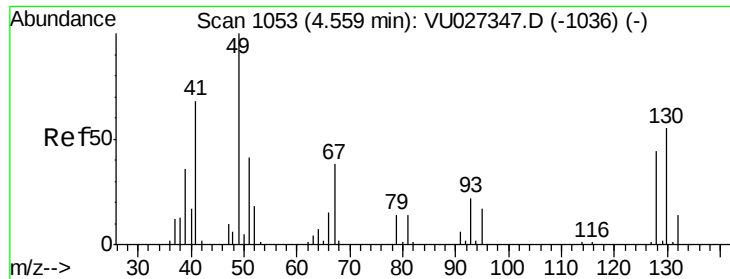
apatel
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#38
 1,2-Dichloropropane
 Concen: 2.525 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Tgt Ion: 63 Resp: 15513
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.9 37.3





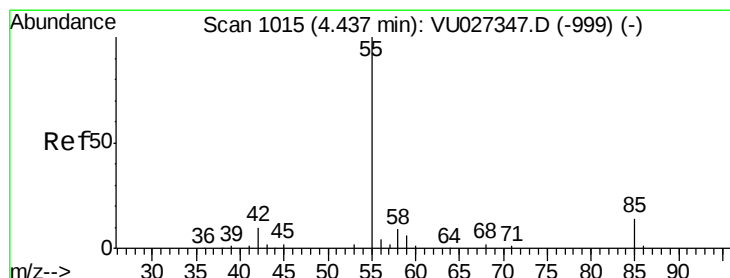
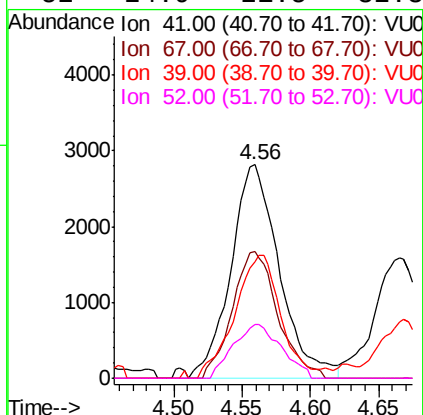
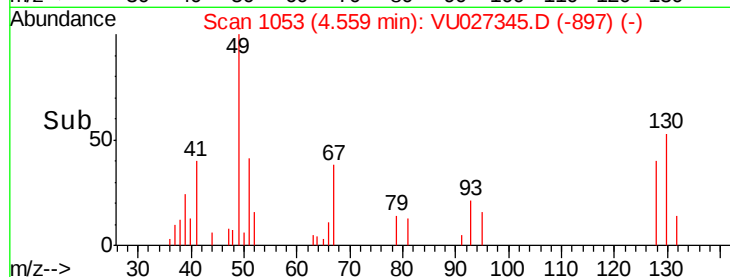
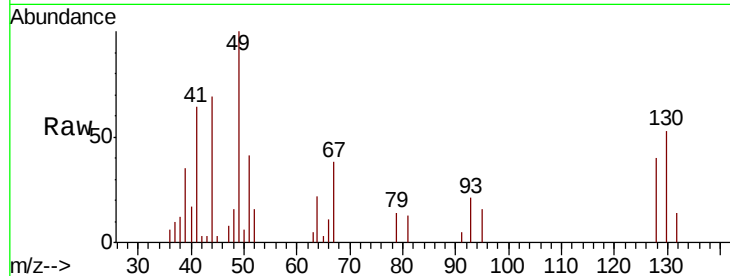
#39
Methacrylonitrile
Concen: 3.183 ug/l
RT: 4.56 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	41	Resp:	6965
Ion	Ratio	Lower	Upper
41	100		
67	55.8	46.2	69.2
39	54.6	43.8	65.6
52	24.9	21.5	32.3

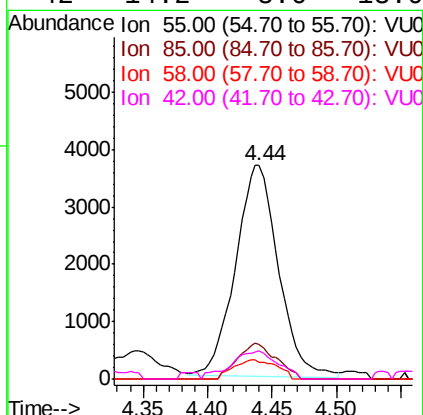
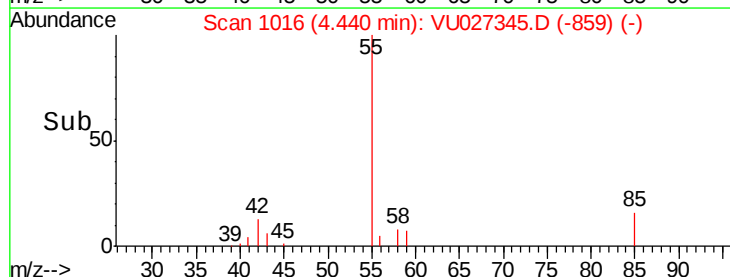
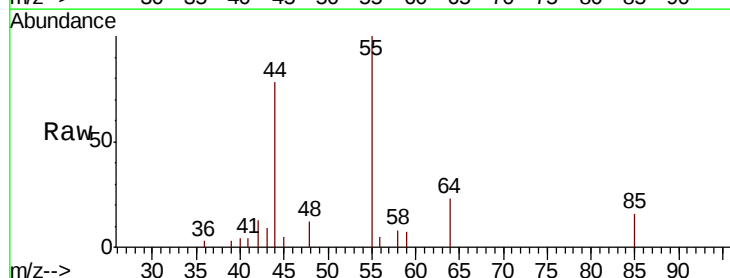
Manual Integrations
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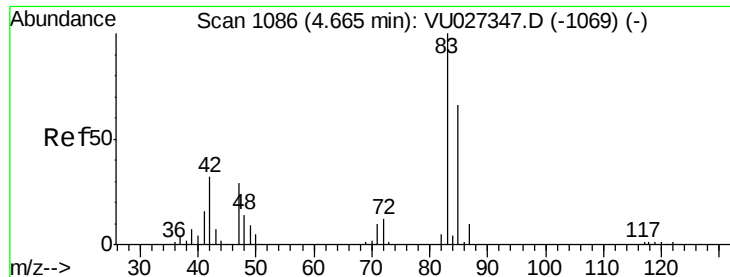
apatel
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#40
Methyl acrylate
Concen: 2.758 ug/l
RT: 4.44 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion	55	Resp:	8558
Ion	Ratio	Lower	Upper
55	100		
85	15.0	11.8	17.8
58	9.0	7.3	10.9
42	14.2	8.6	13.0#





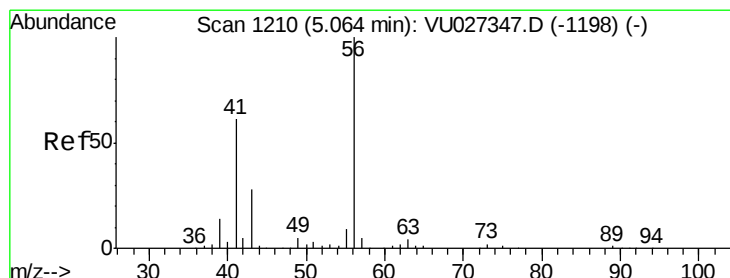
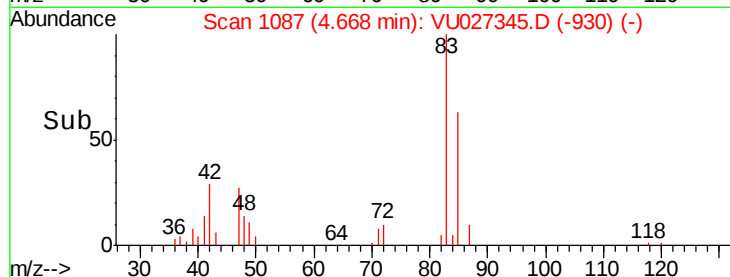
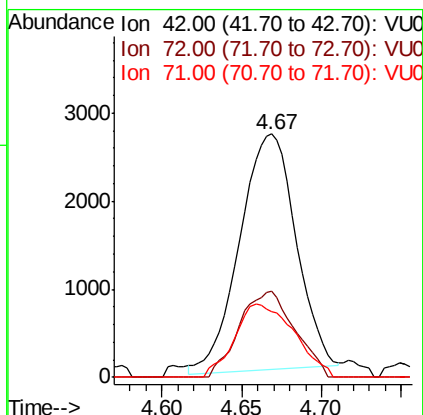
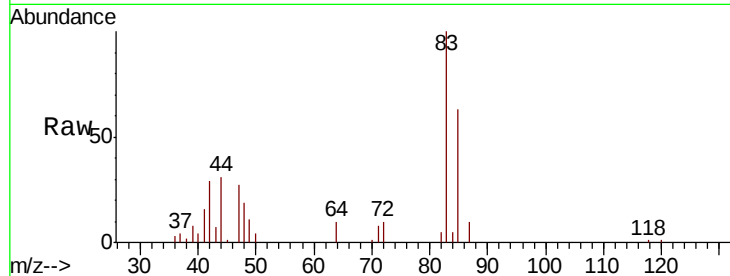
#41
Tetrahydrofuran
Concen: 5.422 ug/l
RT: 4.67 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	29.2	43.8
71	32.8	25.8	38.8

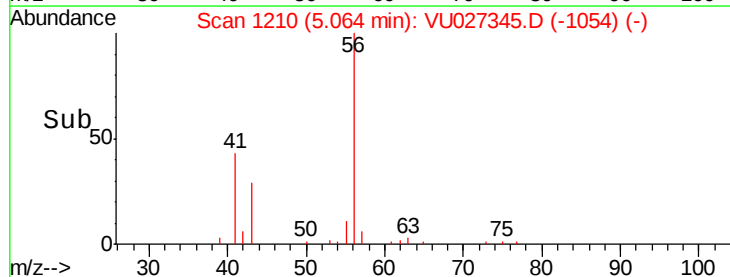
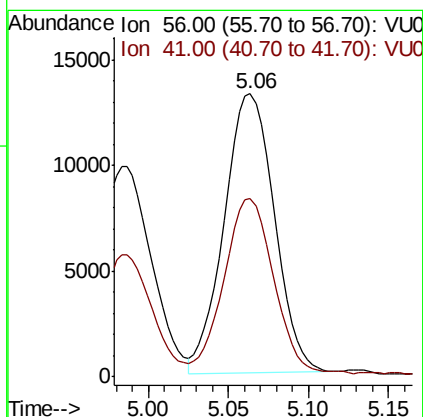
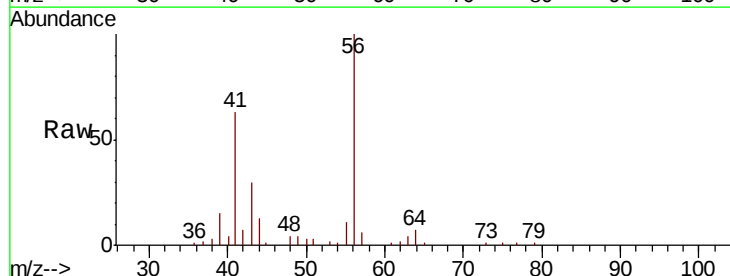
Manual Integrations
APPROVED

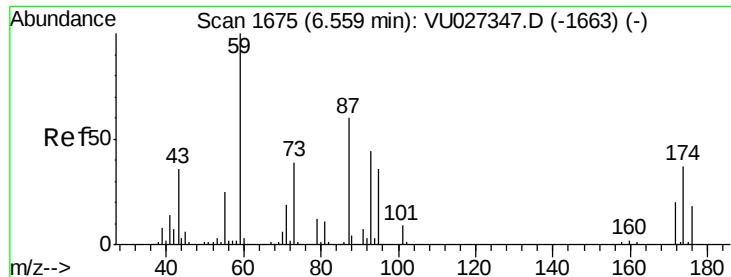
apatel
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#42
1-Chlorobutane
Concen: 2.450 ug/l
RT: 5.06 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
56	100		
41	62.1	28.7	86.3





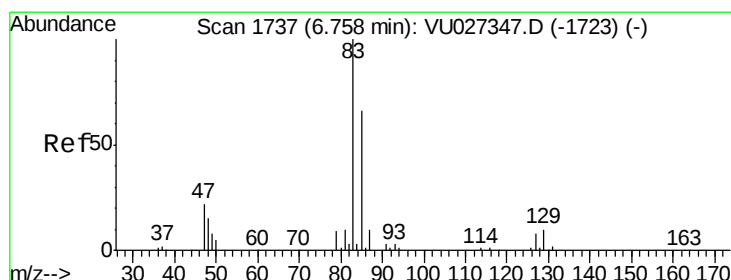
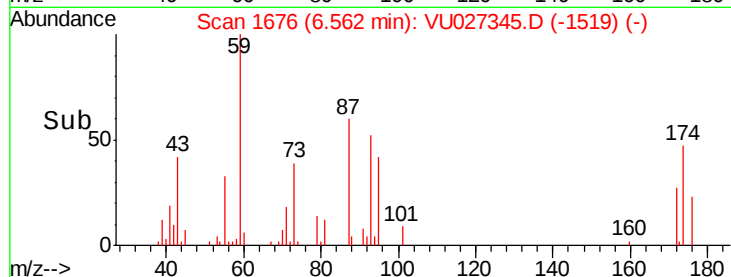
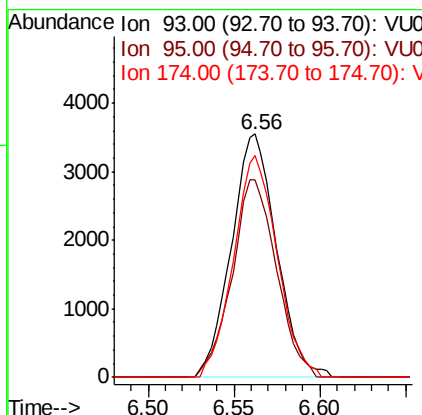
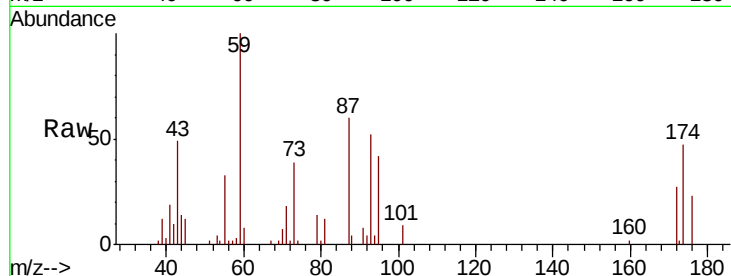
#43
Dibromomethane
Concen: 2.345 ug/l
RT: 6.56 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 93 Resp: 6465
Ion Ratio Lower Upper
93 100
95 79.7 64.7 97.1
174 87.9 68.2 102.4

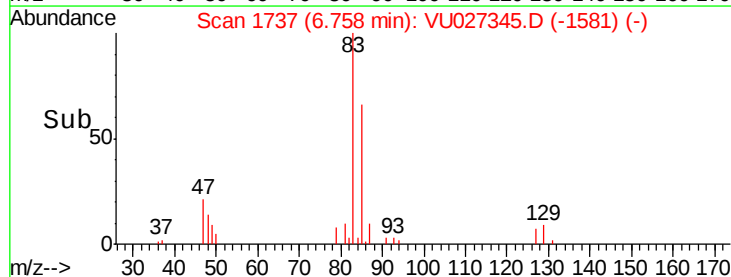
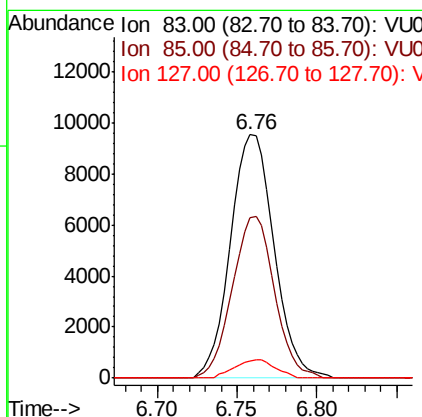
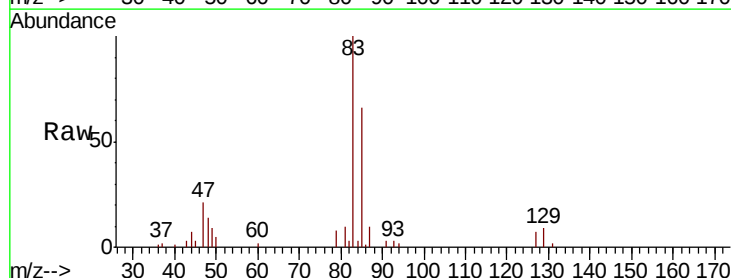
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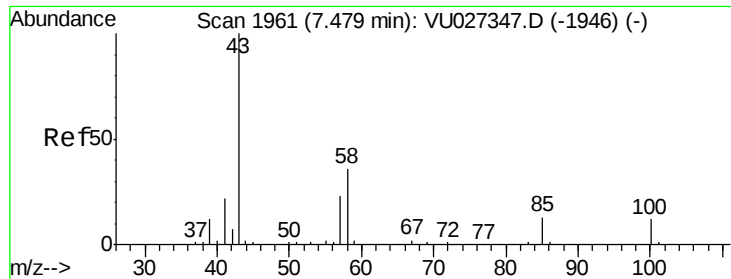
apatel
10/5/2018 11:56:19 AM



#44
Bromodichloromethane
Concen: 2.639 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion: 83 Resp: 17722
Ion Ratio Lower Upper
83 100
85 65.8 52.6 79.0
127 6.9 6.2 9.2





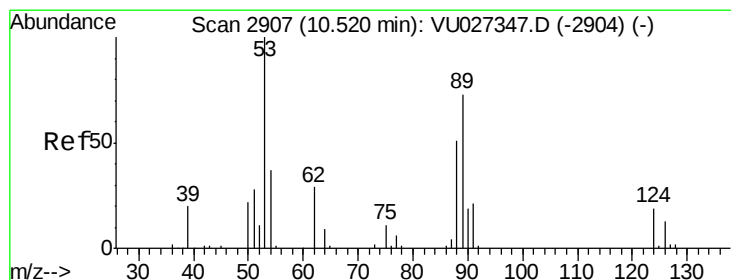
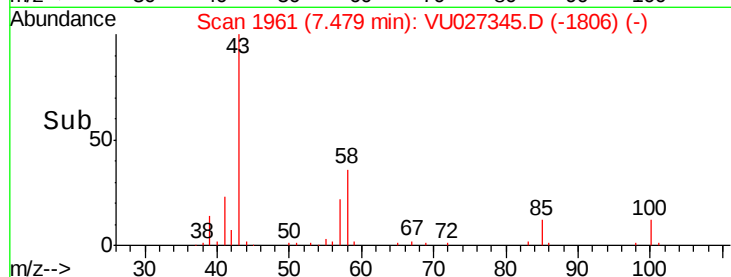
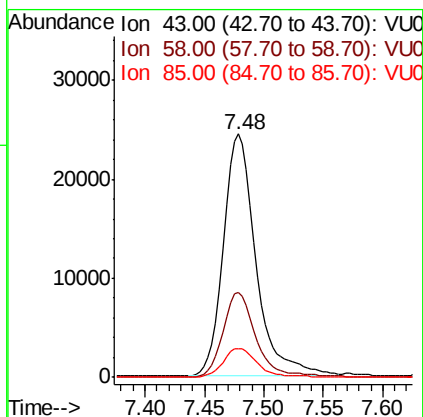
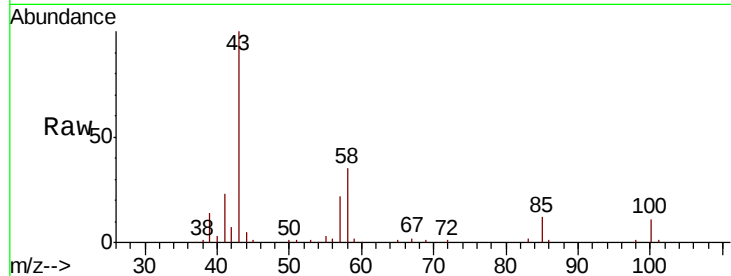
#45
4-Methyl-2-Pentanone
Concen: 11.792 ug/l
RT: 7.48 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.6	17.9	53.8
85	12.4	10.6	16.0

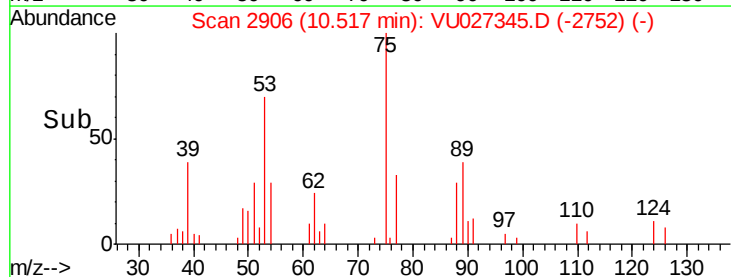
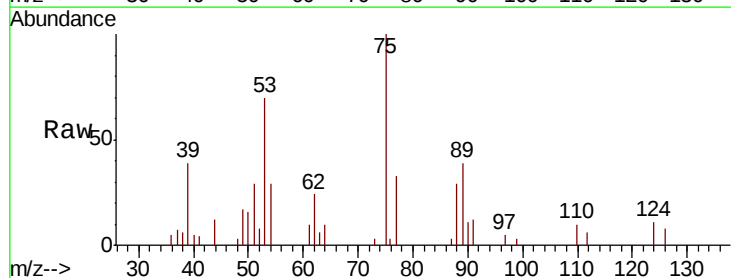
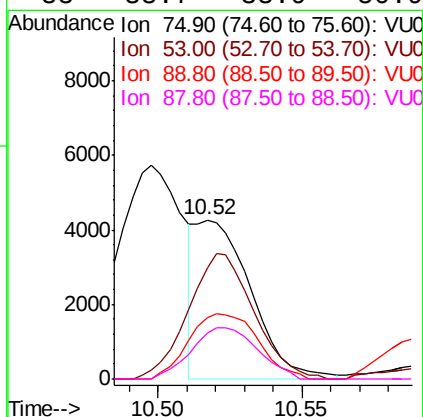
Manual Integrations
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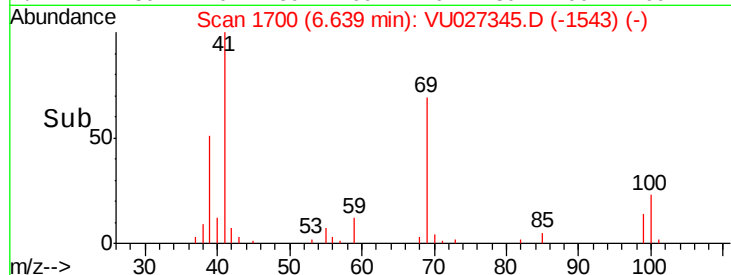
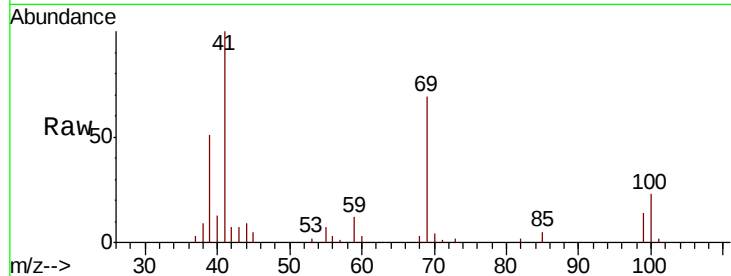
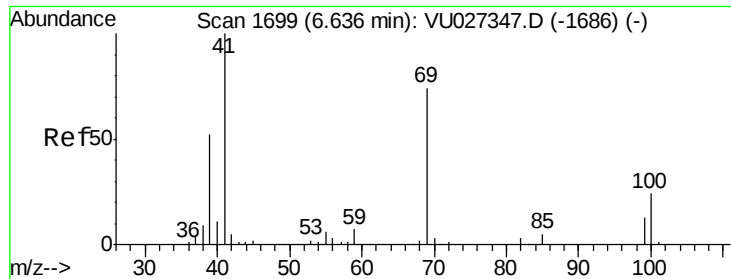
apatel
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#46
t-1,4-Dichloro-2-butene
Concen: 5.462 ug/l m
RT: 10.52 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.4	75.7	113.5
89	51.4	42.6	64.0
88	38.7	33.9	50.9





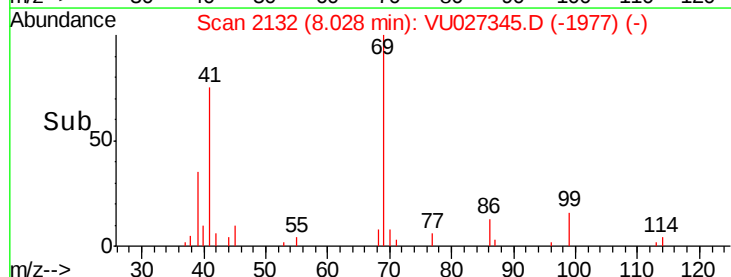
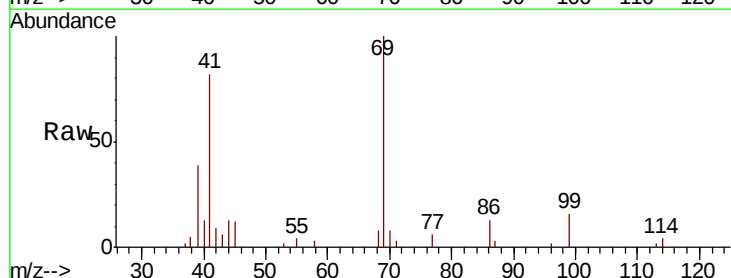
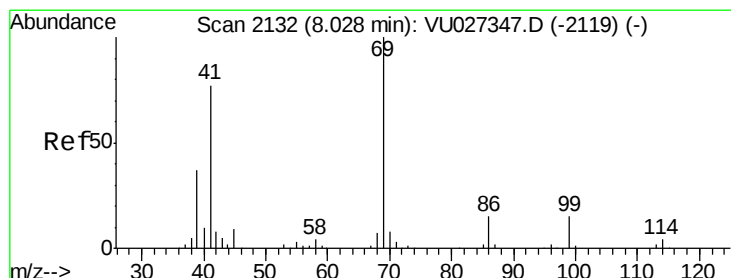
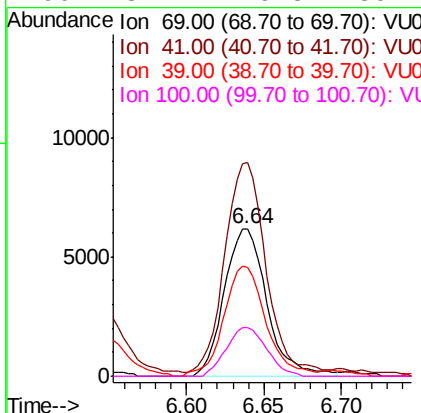
#47
Methyl methacrylate
Concen: 4.316 ug/l
RT: 6.64 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	134.8	0.0	272.2	
39	73.2	56.4	84.6	
100	31.1	26.5	39.7	

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

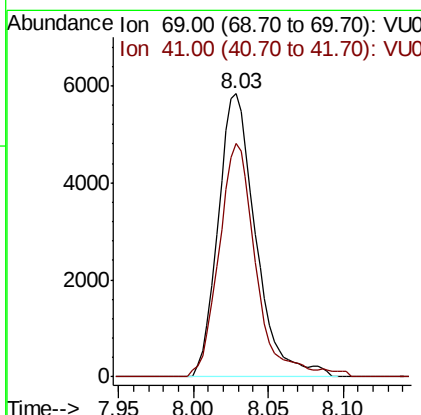
Manual Integrations
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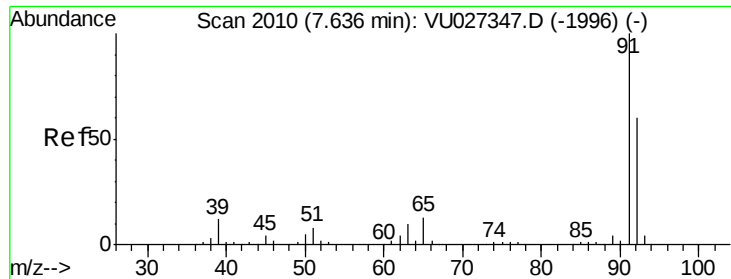
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#48
Ethyl methacrylate
Concen: 2.017 ug/l
RT: 8.03 min Scan# 2132
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	81.4	38.9	116.7	





#49

Toluene

Concen: 1.983 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 92 Resp: 26899

Ion Ratio Lower Upper

92 100

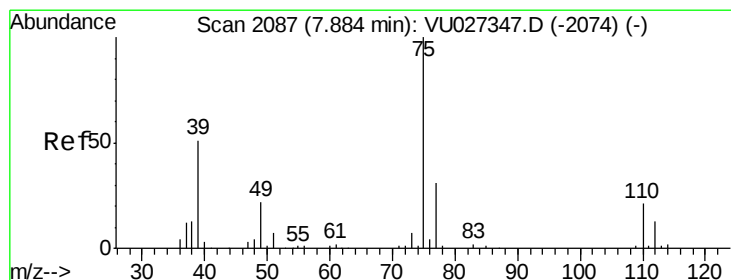
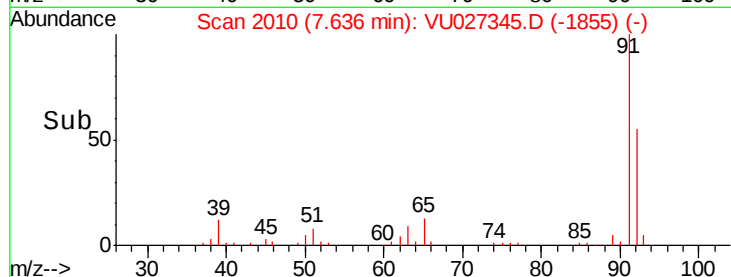
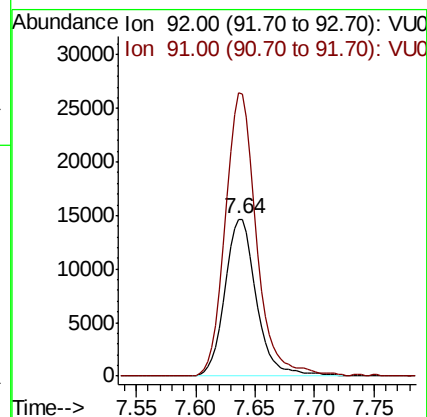
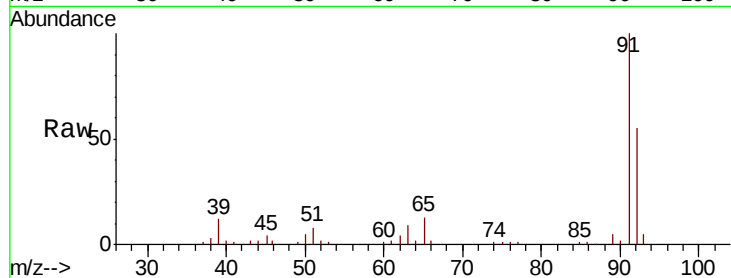
91 179.1 136.4 204.6

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 2.584 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VU027345.D

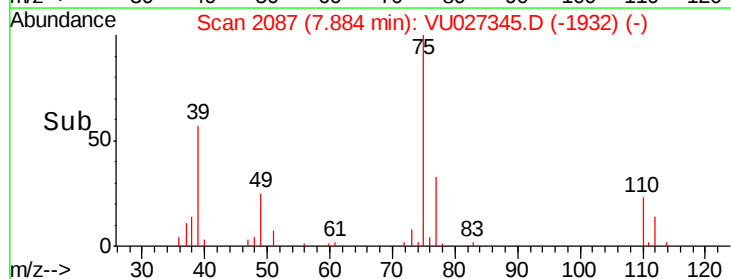
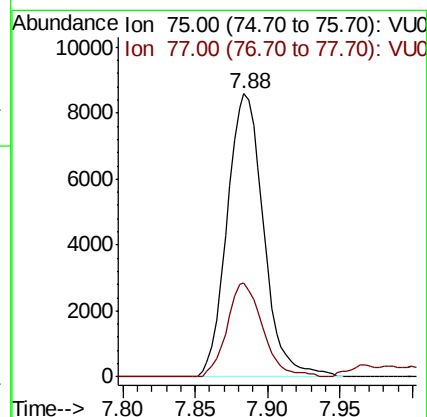
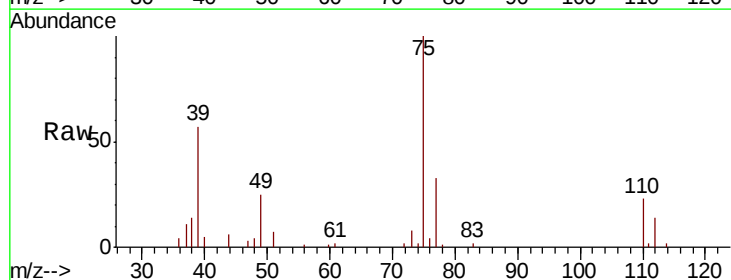
Acq: 02 Oct 2018 16:07

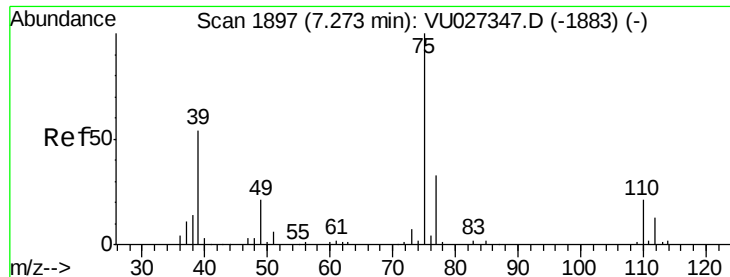
Tgt Ion: 75 Resp: 15022

Ion Ratio Lower Upper

75 100

77 33.1 24.6 36.8





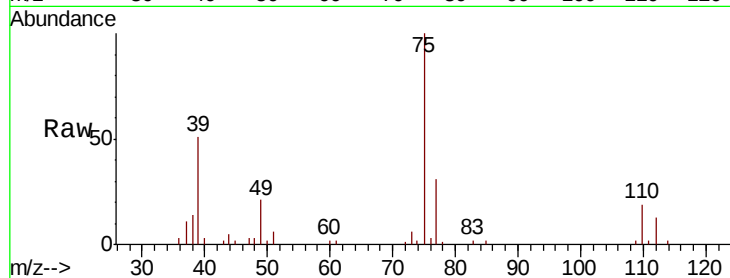
#51
 cis-1,3-Dichloropropene
 Concen: 2.452 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC002

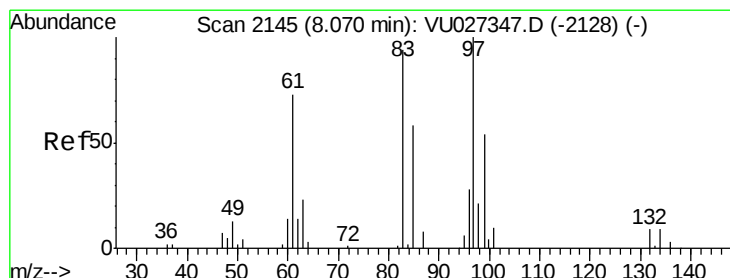
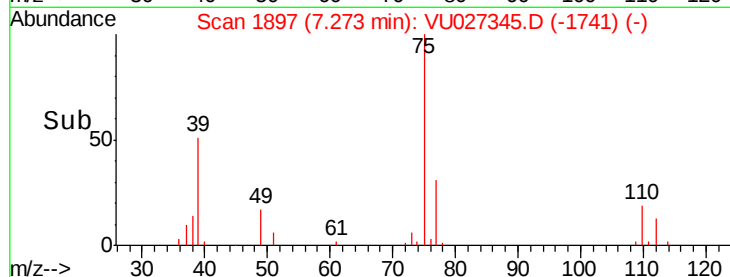
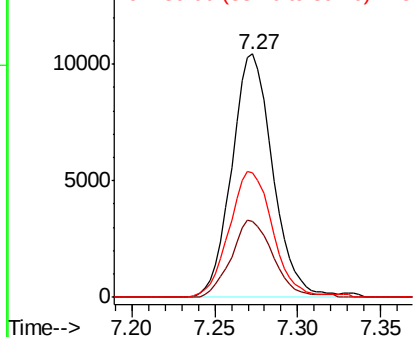
Tot Ion:	75	Resp:	18017
Ion Ratio	Lower	Upper	
75	100		
77	31.3	26.1	39.1
39	51.4	43.1	64.7

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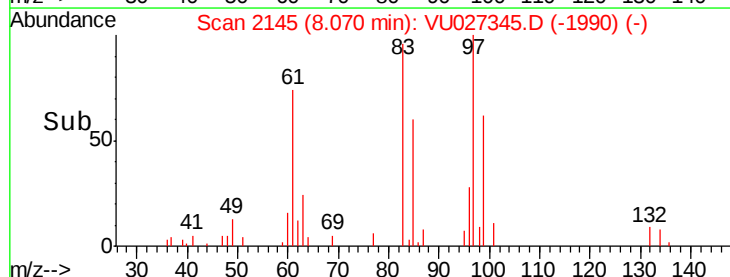
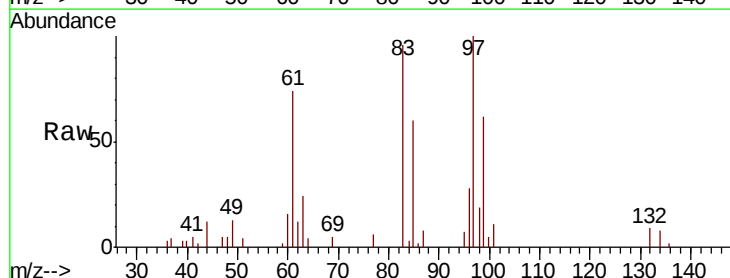
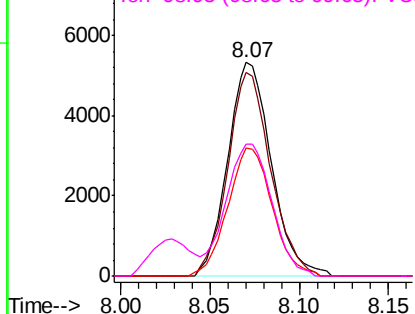
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

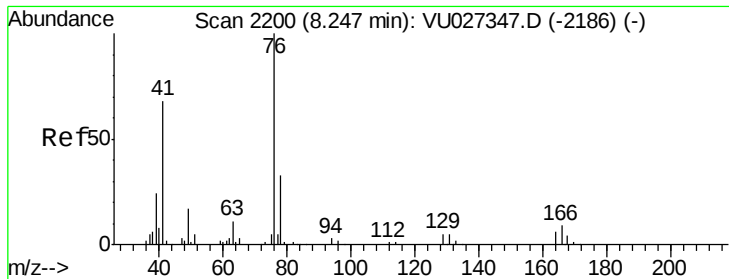


#52
 1,1,2-Trichloroethane
 Concen: 2.209 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Tgt Ion:	97	Resp:	9044
Ion Ratio	Lower	Upper	
97	100		
83	95.5	75.3	112.9
85	59.8	47.3	70.9
99	61.7	51.7	77.5

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





#53

1,3-Dichloropropane

Concen: 2.339 ug/l

RT: 8.25 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 76 Resp: 17046

Ion Ratio Lower Upper

76 100

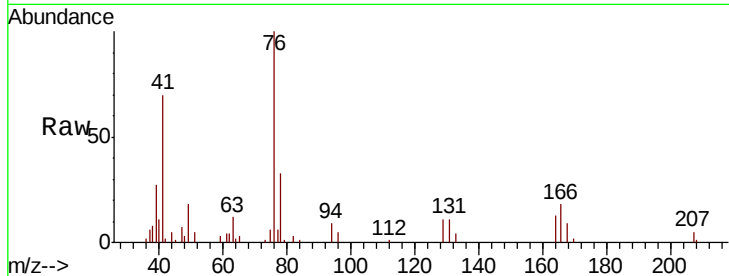
78 33.1 25.7 38.5

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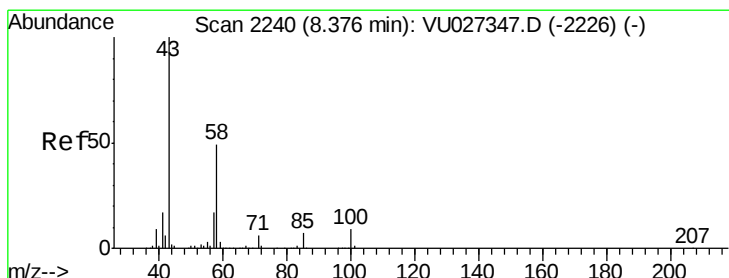
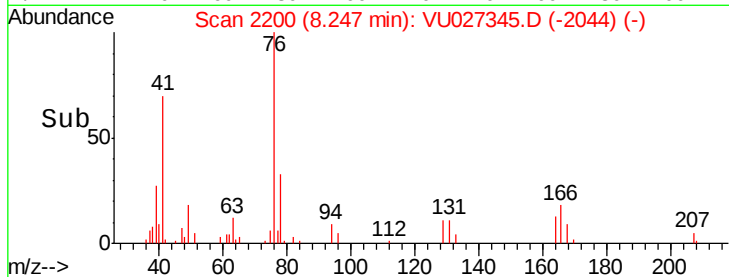
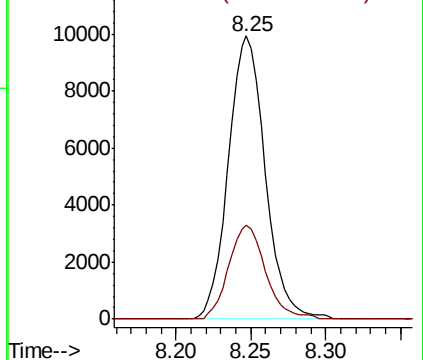
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Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#54

2-Hexanone

Concen: 11.858 ug/l

RT: 8.38 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

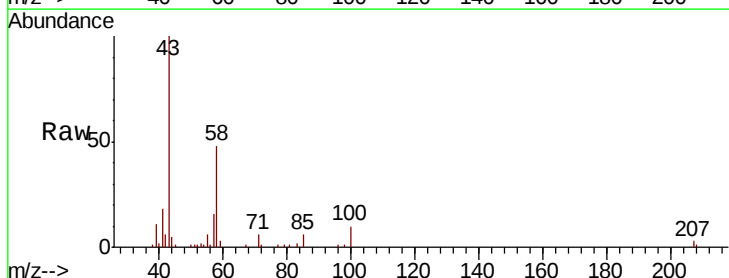
Tgt Ion: 43 Resp: 32364

Ion Ratio Lower Upper

43 100

58 46.1 29.5 69.5

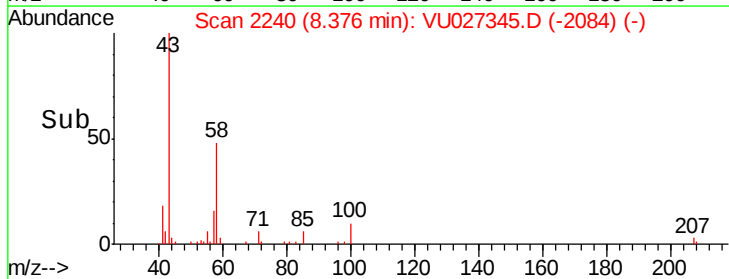
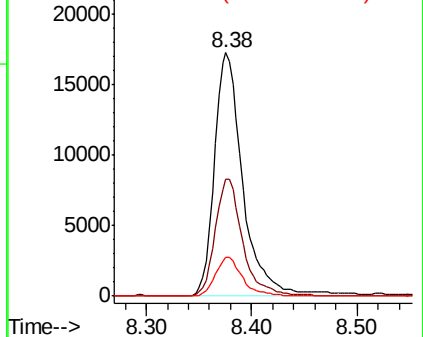
57 15.0 0.0 37.0

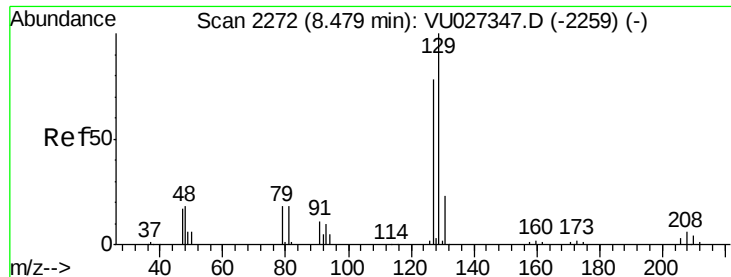


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#55

Dibromochloromethane

Concen: 2.575 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:129 Resp: 10311

Ion Ratio Lower Upper

129 100

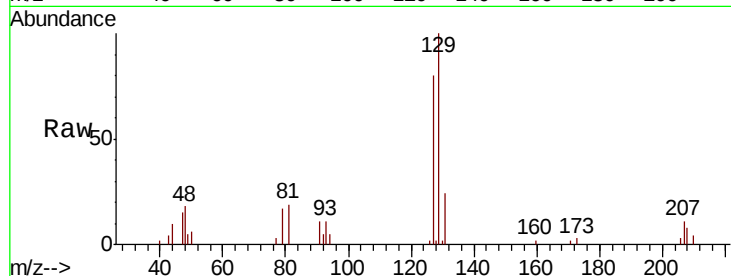
127 76.8 61.8 92.8

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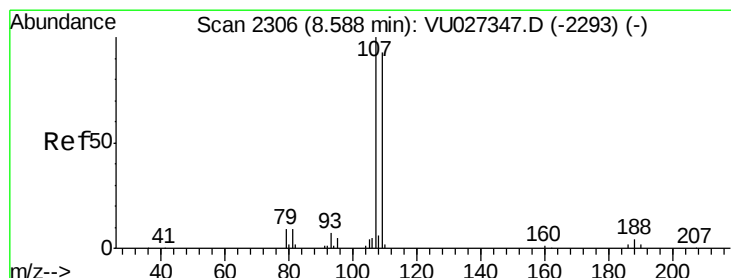
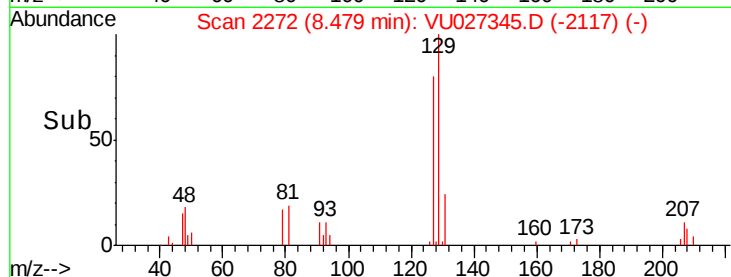
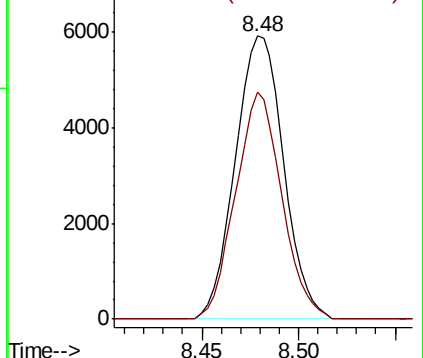
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.211 ug/l

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU027345.D

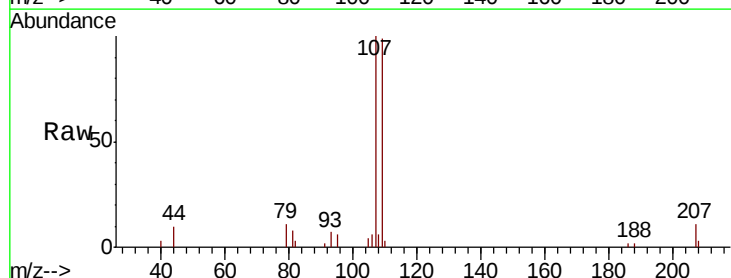
Acq: 02 Oct 2018 16:07

Tgt Ion:107 Resp: 8094

Ion Ratio Lower Upper

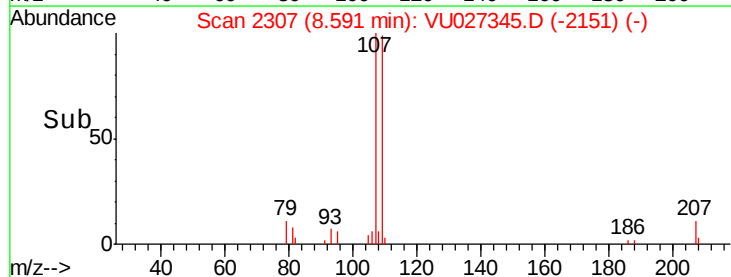
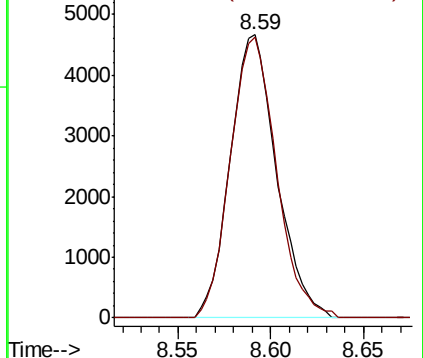
107 100

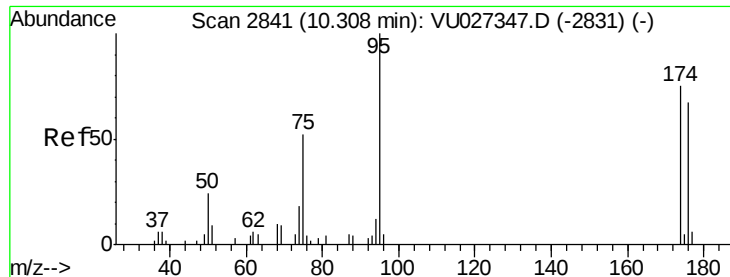
109 98.4 0.0 191.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





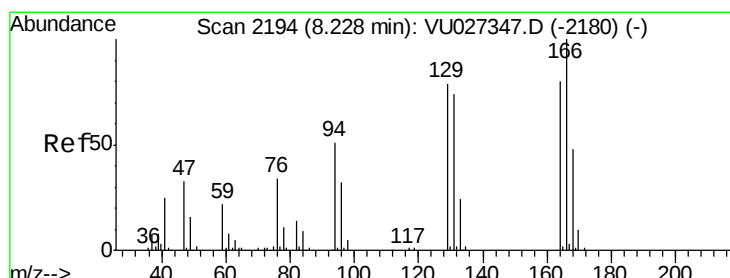
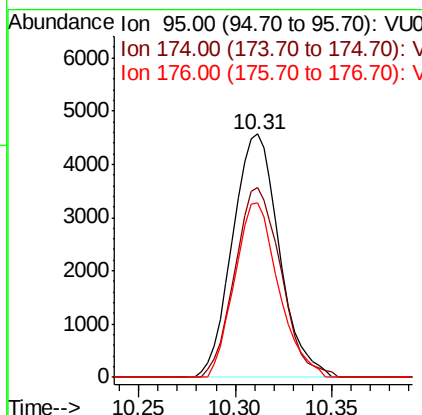
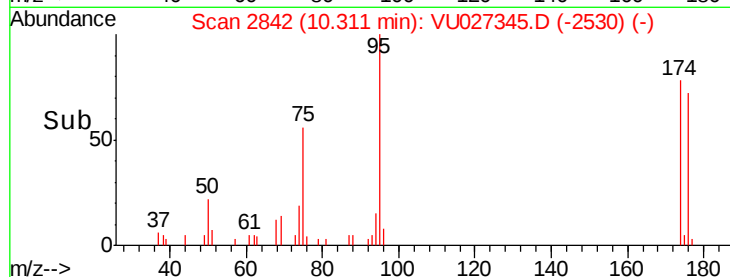
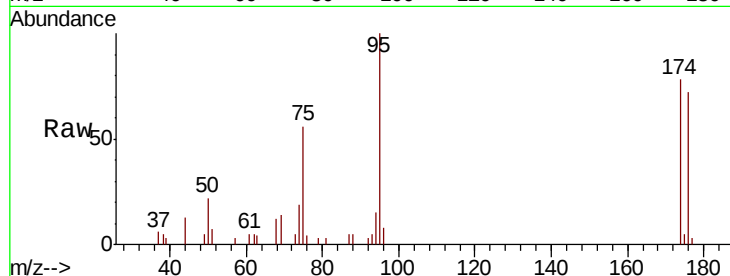
#57
4-Bromofluorobenzene
Concen: 2.211 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
95	100		
174	77.2	61.0	91.6
176	67.5	57.2	85.8

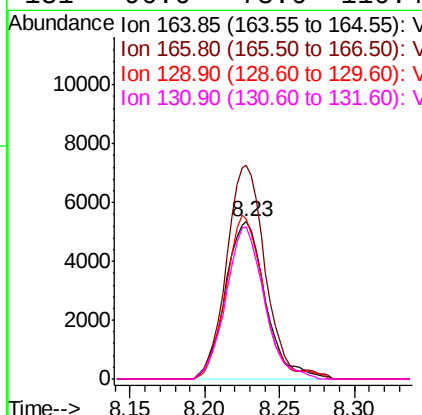
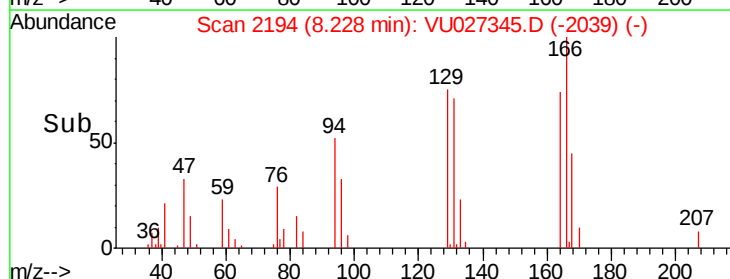
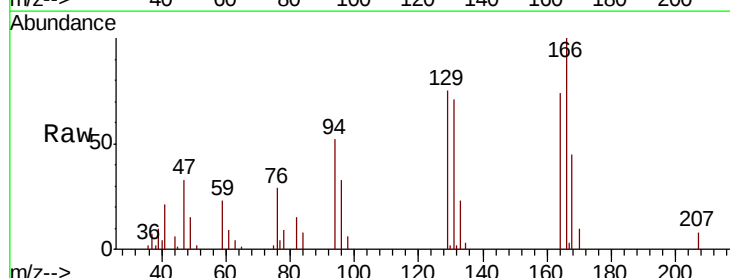
Manual Integrations
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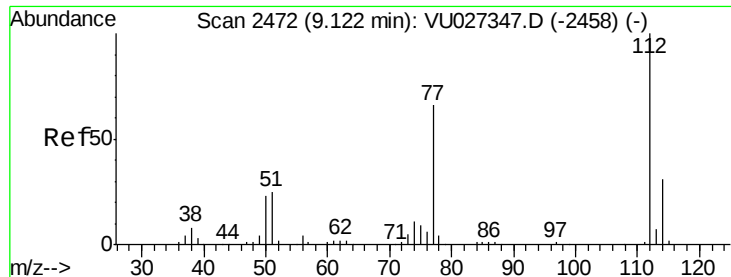
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#58
Tetrachloroethene
Concen: 1.557 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.9	99.9	149.9
129	102.2	78.6	117.8
131	96.6	73.6	110.4





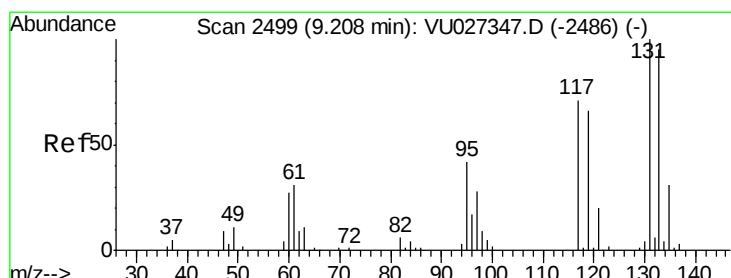
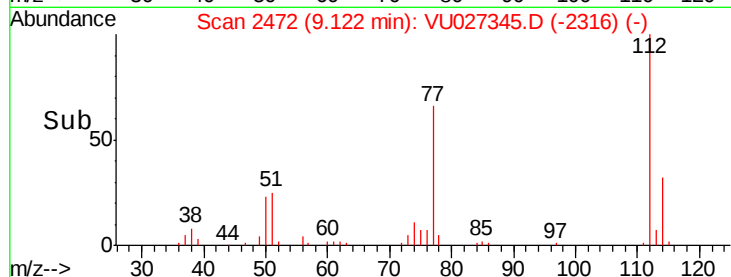
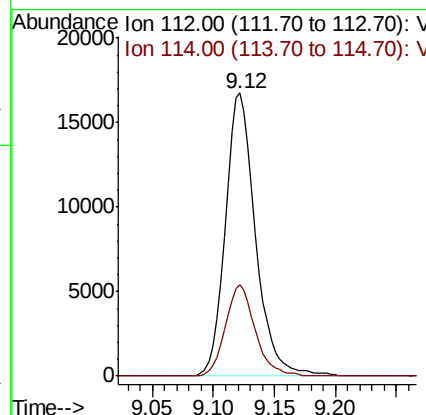
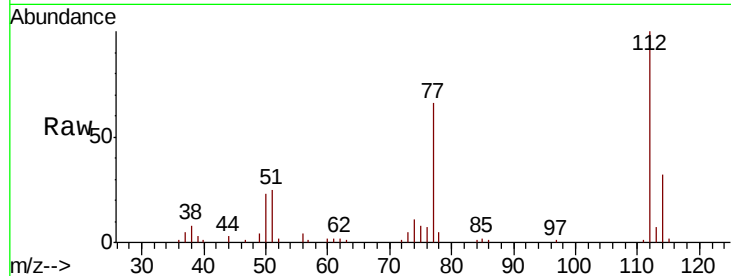
#59
Chlorobenzene
Concen: 2.004 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:112 Resp: 29068
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4

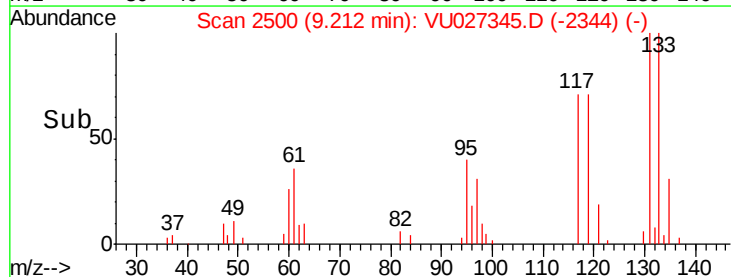
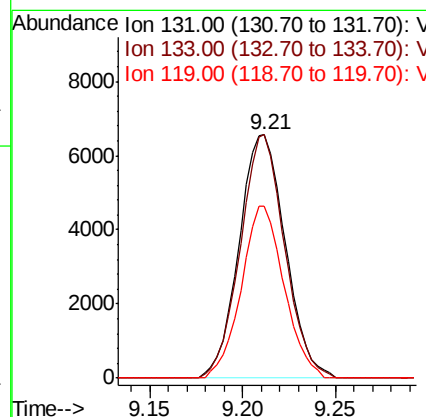
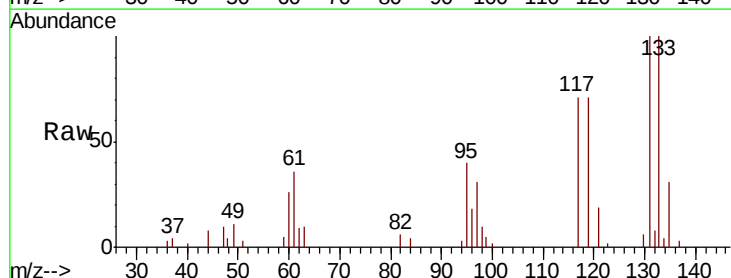
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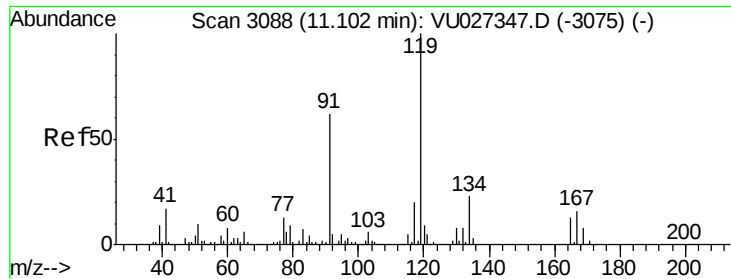
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#60
1,1,1,2-Tetrachloroethane
Concen: 2.326 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion:131 Resp: 11409
Ion Ratio Lower Upper
131 100
133 95.7 77.1 115.7
119 65.0 53.6 80.4





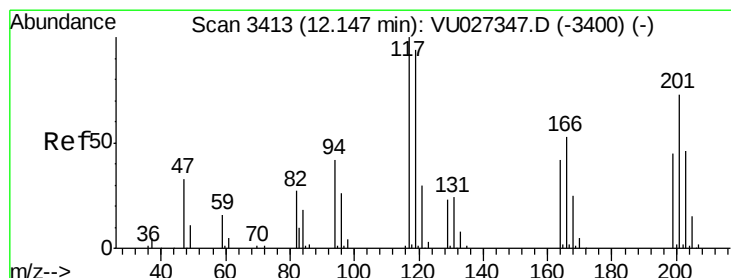
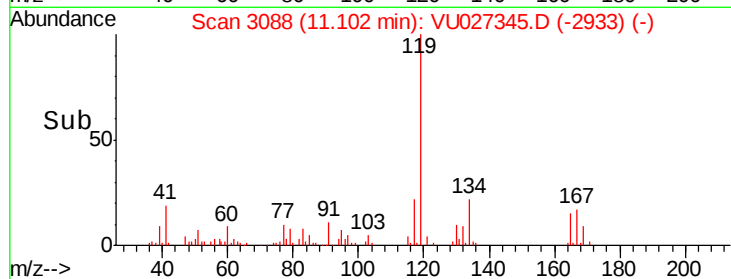
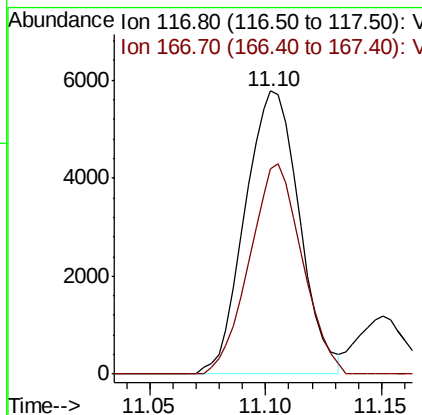
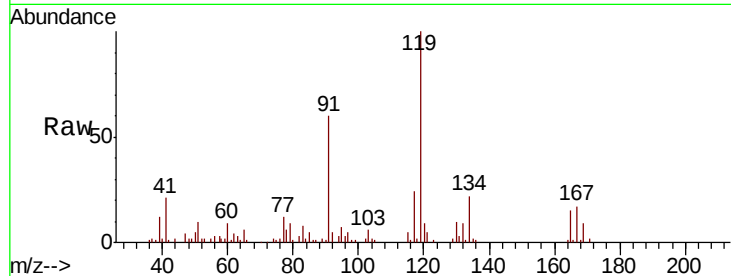
#61
 Pentachloroethane
 Concen: 2.897 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:117 Resp: 9414
 Ion Ratio Lower Upper
 117 100
 167 72.1 62.6 93.8

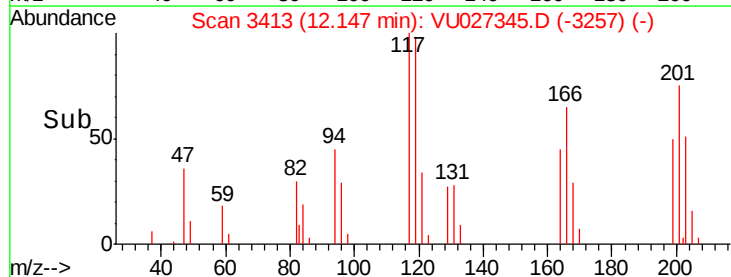
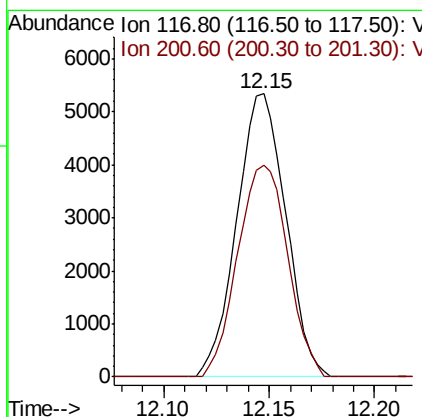
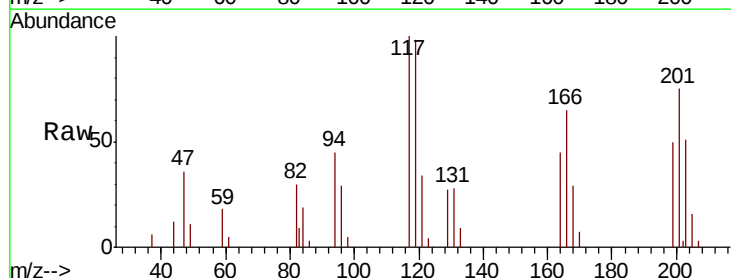
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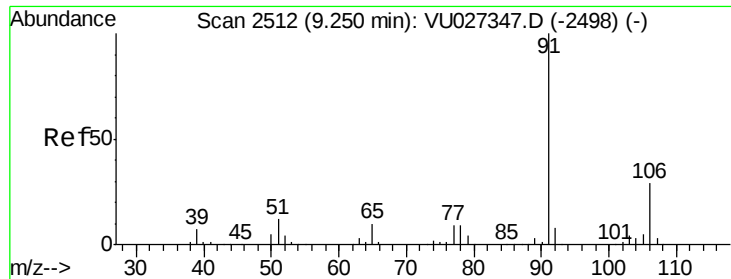
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#62
 Hexachloroethane
 Concen: 2.607 ug/l
 RT: 12.15 min Scan# 3413
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Tgt Ion:117 Resp: 8625
 Ion Ratio Lower Upper
 117 100
 201 76.5 59.3 88.9





#63

Ethyl Benzene

Concen: 1.821 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 46139

Ion Ratio Lower Upper

91 100

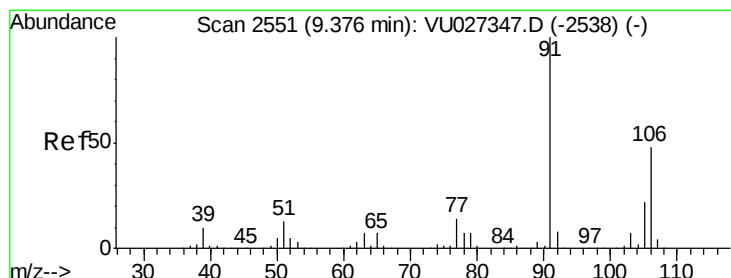
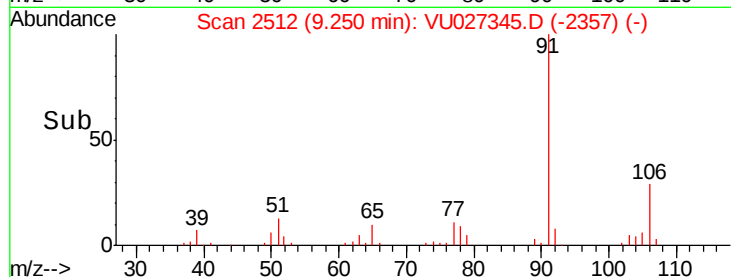
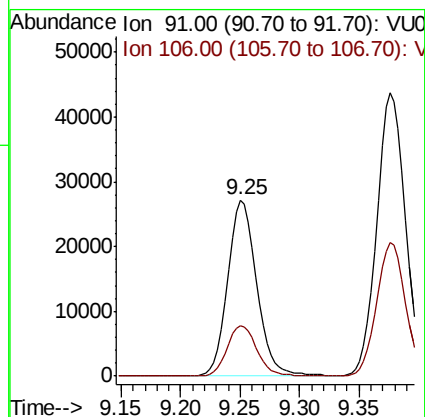
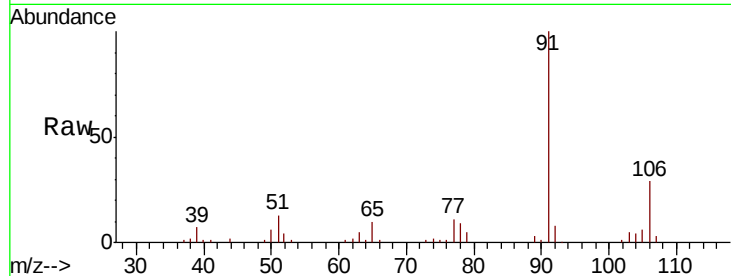
106 28.6 23.6 35.4

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#64

m/p-Xylenes

Concen: 3.680 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027345.D

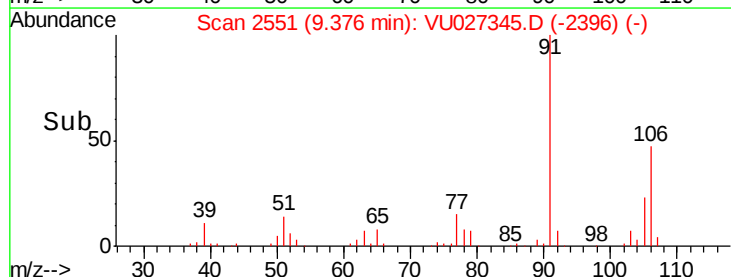
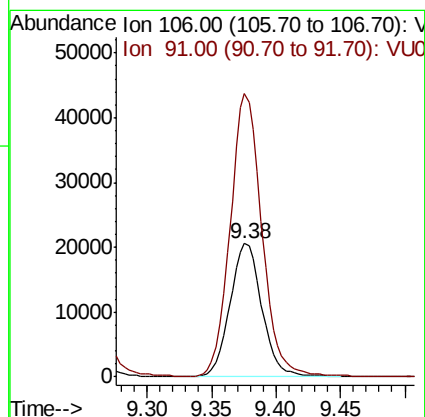
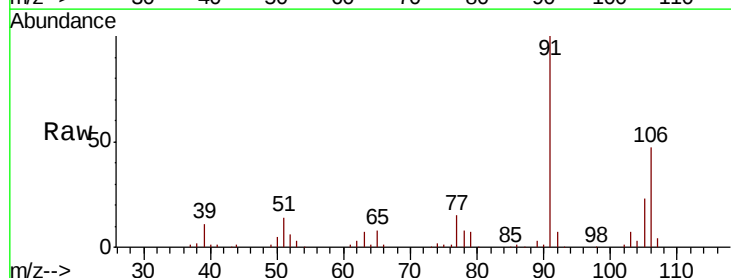
Acq: 02 Oct 2018 16:07

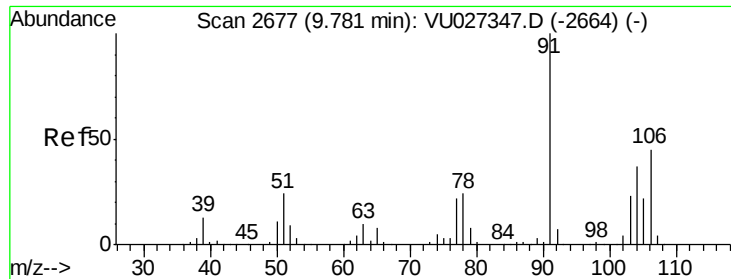
Tgt Ion: 106 Resp: 35434

Ion Ratio Lower Upper

106 100

91 209.1 169.8 254.8





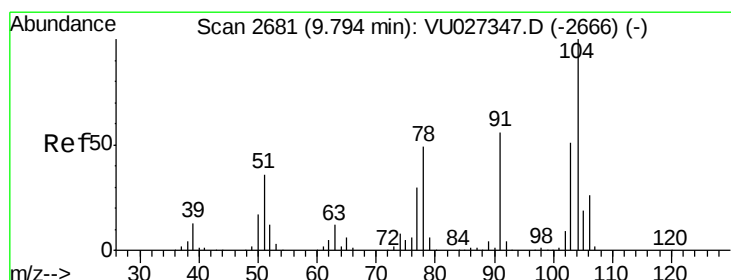
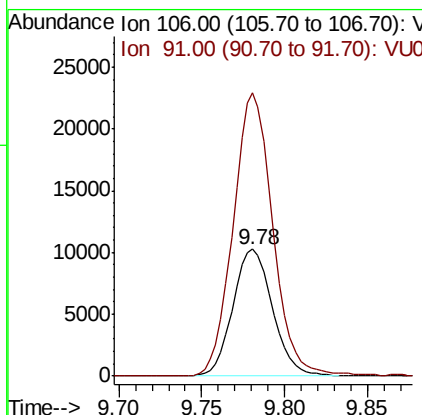
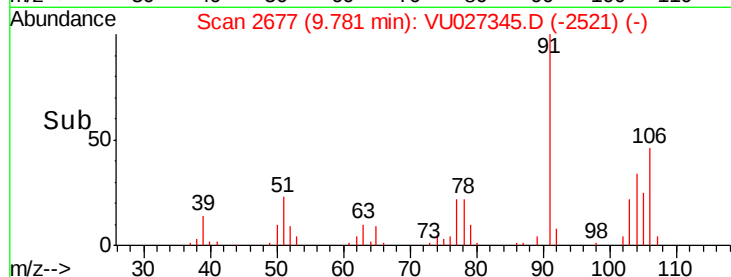
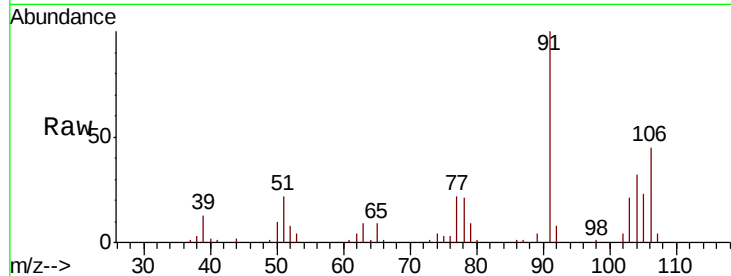
#65
o-Xylene
Concen: 1.835 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:106 Resp: 17066
Ion Ratio Lower Upper
106 100
91 223.6 111.1 333.2

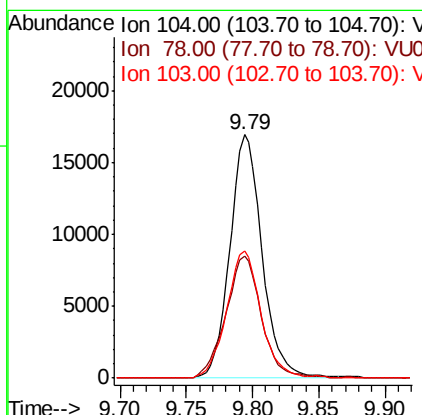
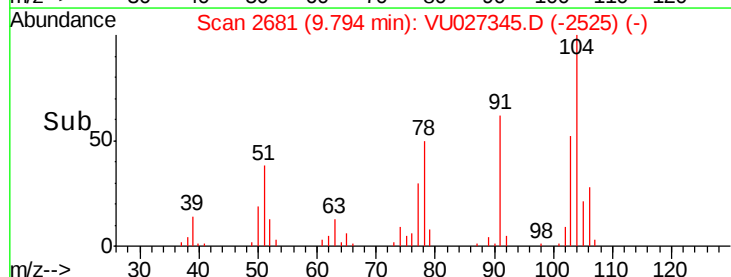
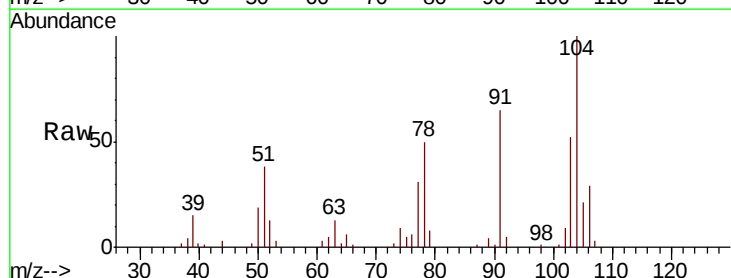
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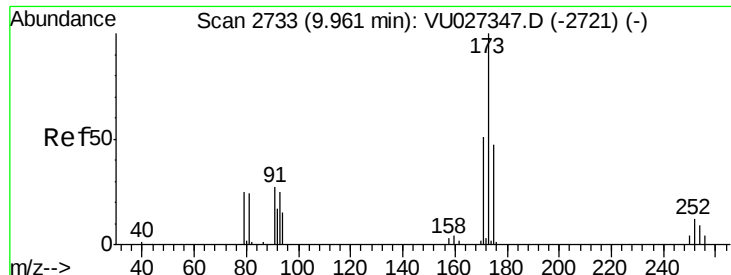
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#66
Styrene
Concen: 1.848 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion:104 Resp: 28672
Ion Ratio Lower Upper
104 100
78 55.0 43.1 64.7
103 55.3 43.8 65.8





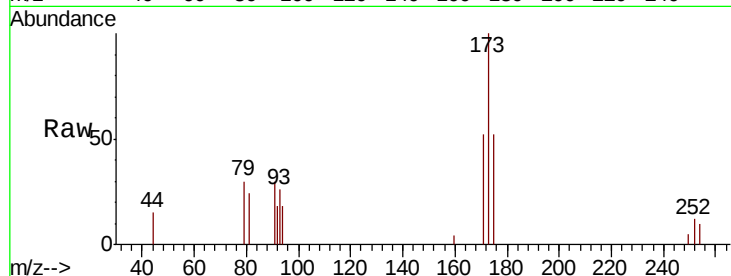
#67
Bromoform
Concen: 2.326 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.2	57.4
254	9.3	7.7	11.5

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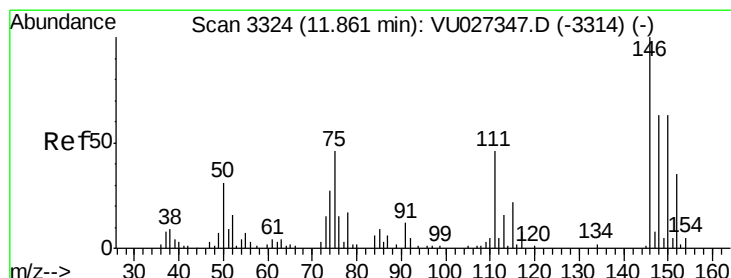
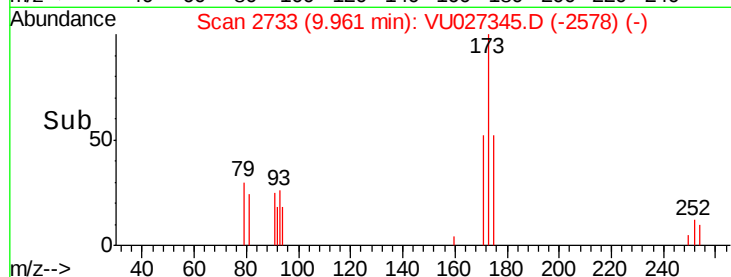
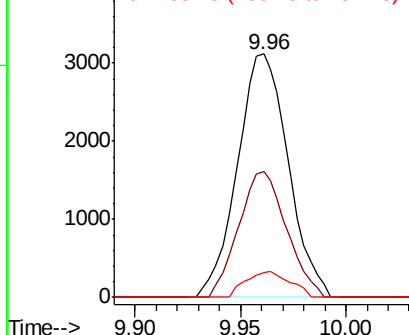


Abundance

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: 2.326 ug/l
RT: 11.86 min Scan# 3324
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

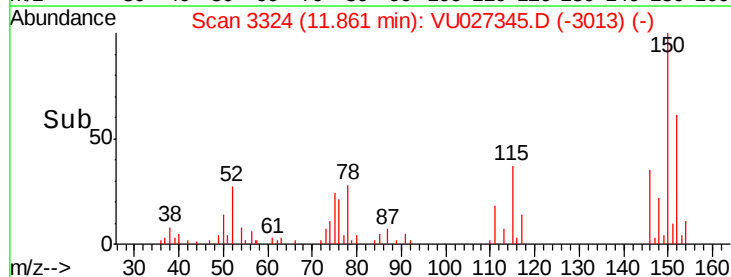
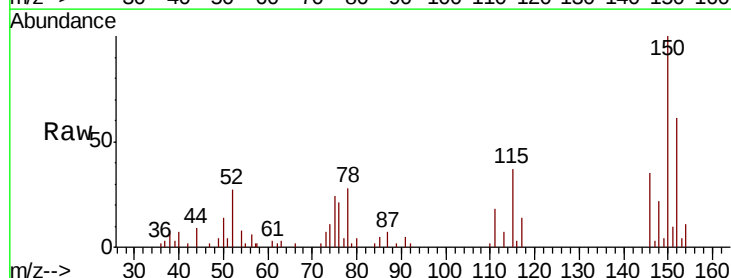
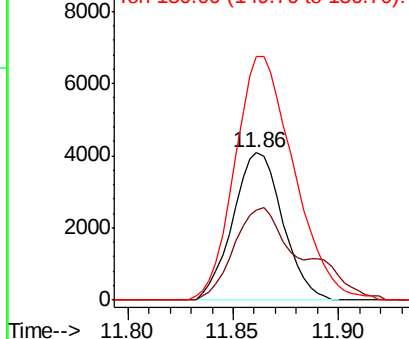
Tgt Ion	Ratio	Lower	Upper
152	100		
115	86.1	0.0	131.6
150	196.5	0.0	0.0#

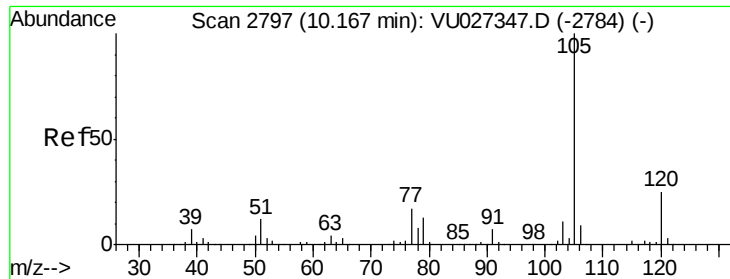
Abundance

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: 1.786 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 43596

Ion Ratio Lower Upper

105 100

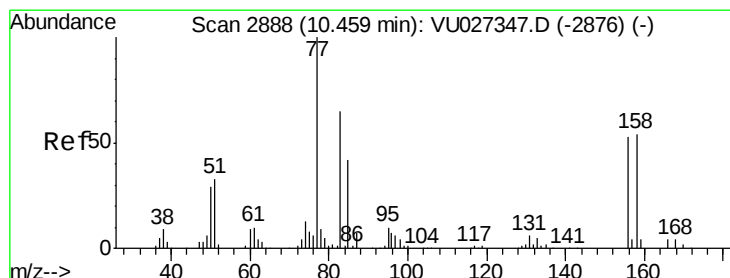
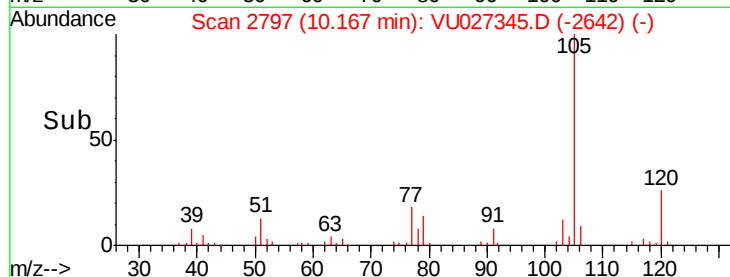
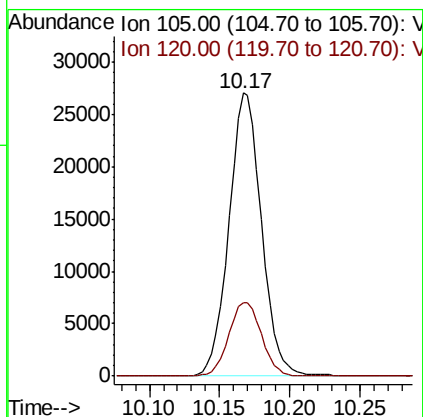
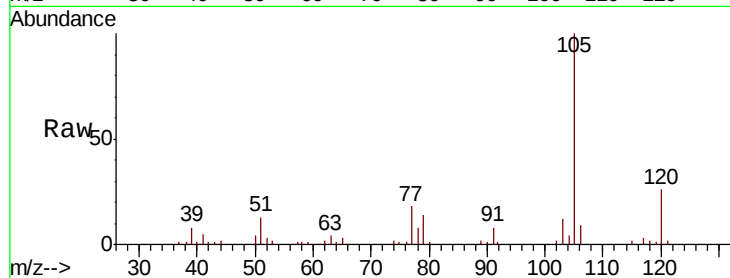
120 26.2 12.7 38.1

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.562 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

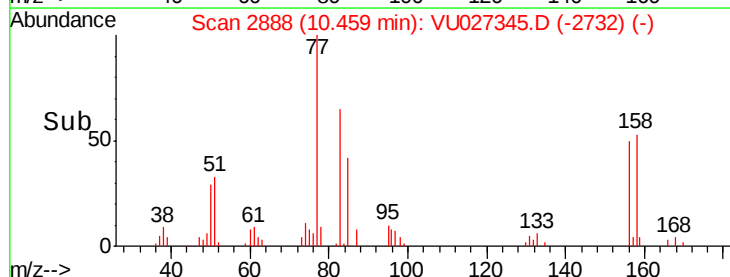
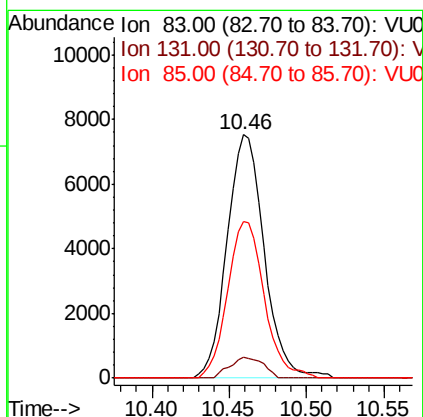
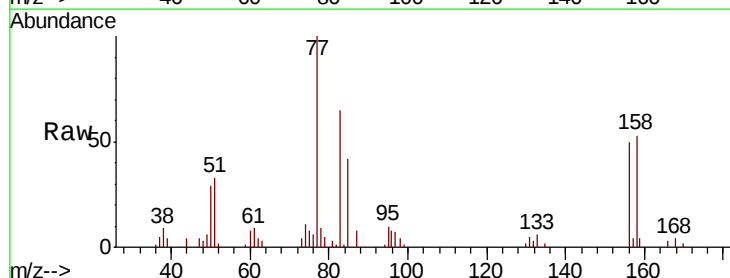
Tgt Ion: 83 Resp: 12516

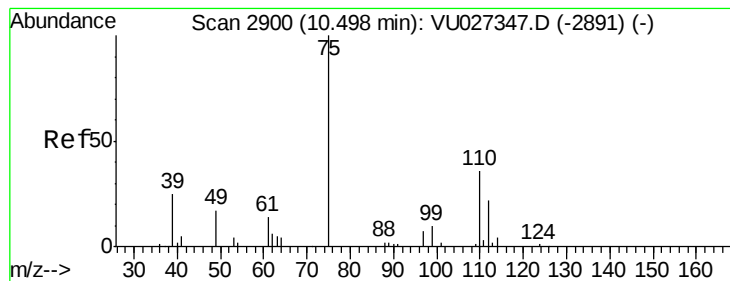
Ion Ratio Lower Upper

83 100

131 7.7 7.0 10.6

85 63.5 51.4 77.0





#71

1,2,3-Trichloropropane

Concen: 2.283 ug/l m

RT: 10.50 min Scan# 2900

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

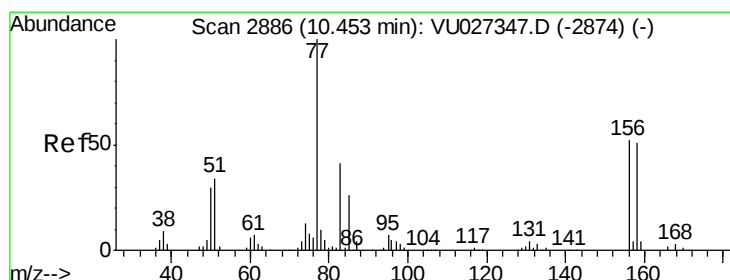
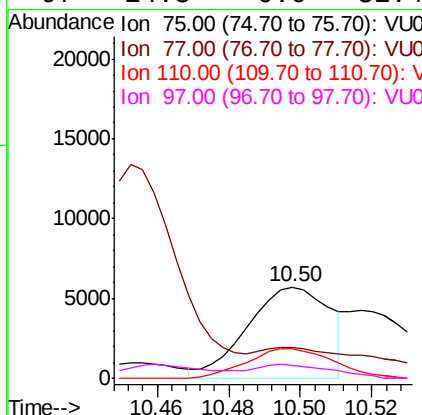
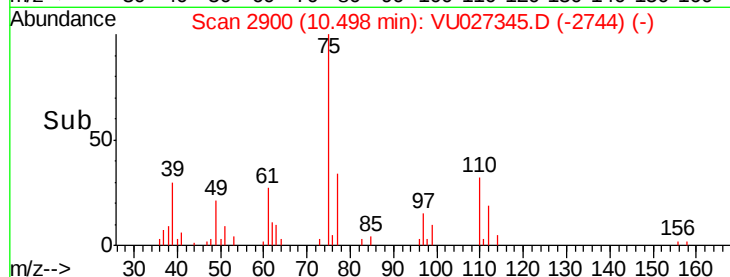
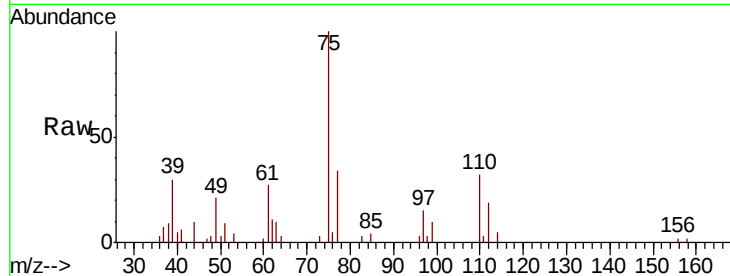
ClientSampleId :

VSTDIC002

Tot Ion:	75	Resp:	9157
Ion	Ratio	Lower	Upper
75	100		
77	47.0	0.0	16.6#
110	33.9	0.0	65.4
97	14.3	0.0	31.4

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#72

Bromobenzene

Concen: 1.838 ug/l

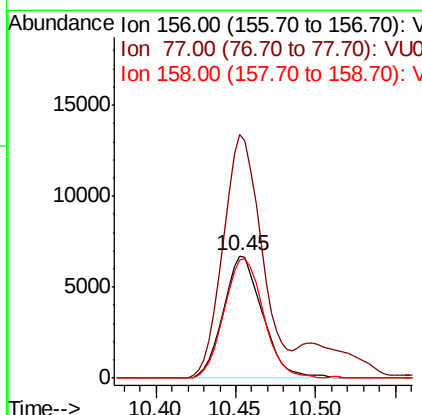
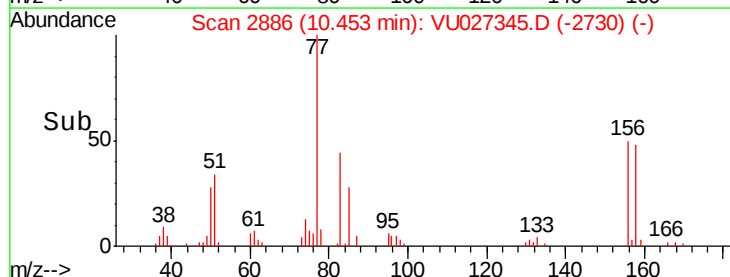
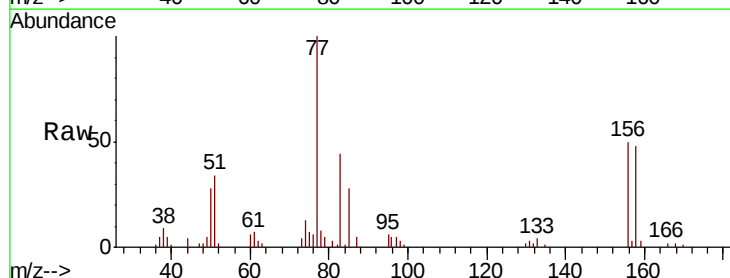
RT: 10.45 min Scan# 2886

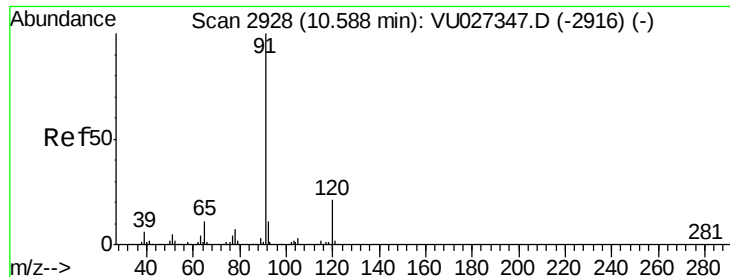
Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Tgt Ion:	156	Resp:	11216
Ion	Ratio	Lower	Upper
156	100		
77	198.0	0.0	387.6
158	98.0	0.0	196.2





#73

n-propylbenzene

Concen: 1.744 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:120 Resp: 11731

Ion Ratio Lower Upper

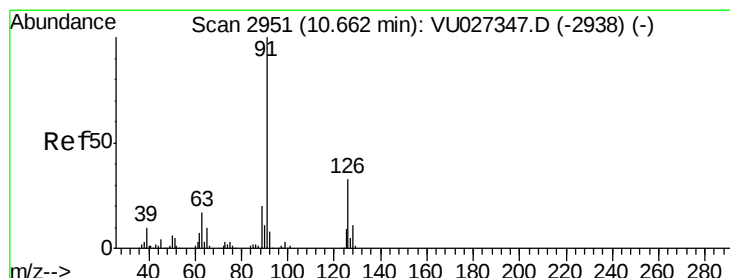
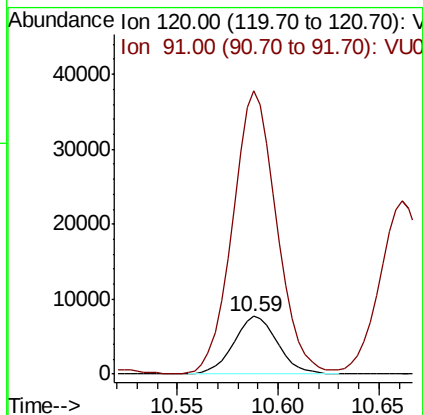
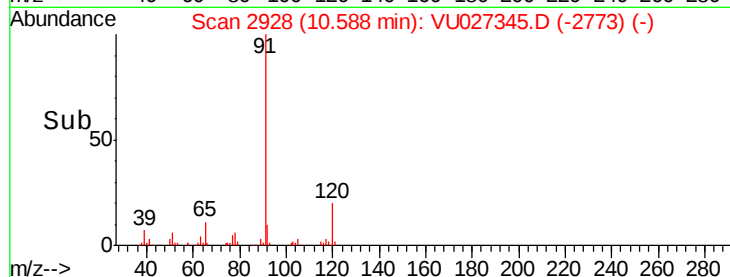
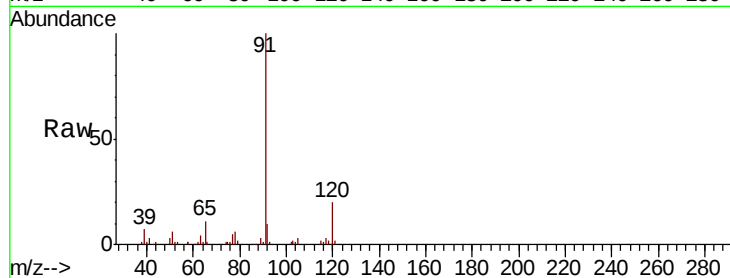
120 100

91 492.1 381.4 572.0

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#74

2-Chlorotoluene

Concen: 1.826 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027345.D

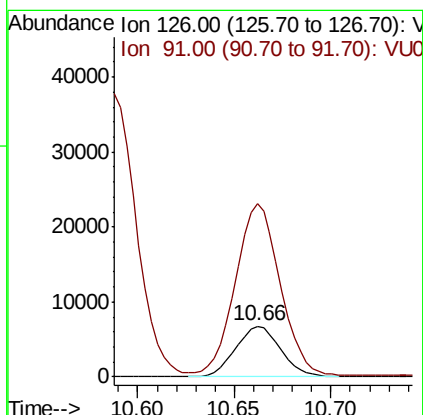
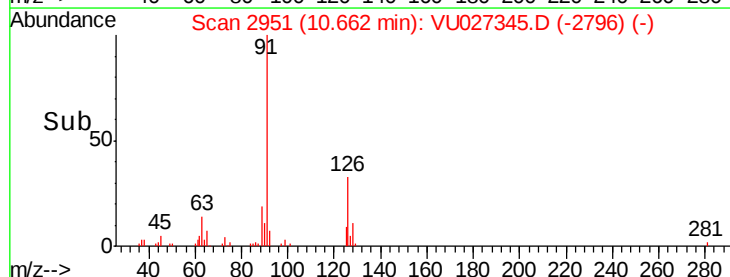
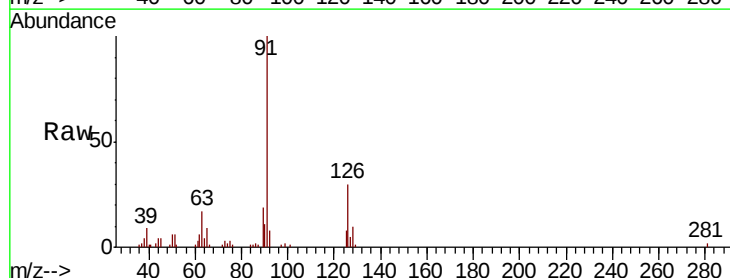
Acq: 02 Oct 2018 16:07

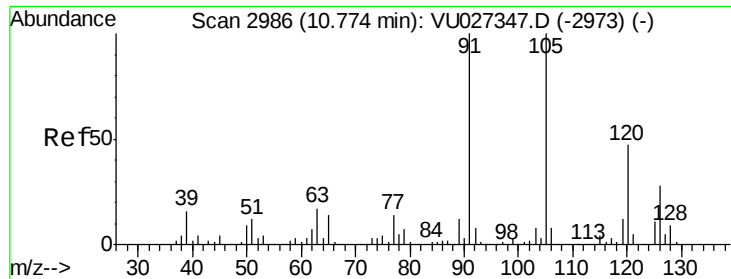
Tgt Ion:126 Resp: 10929

Ion Ratio Lower Upper

126 100

91 337.9 0.0 639.0





#75

1,3,5-Trimethylbenzene

Concen: 1.932 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 40145

Ion Ratio Lower Upper

105 100

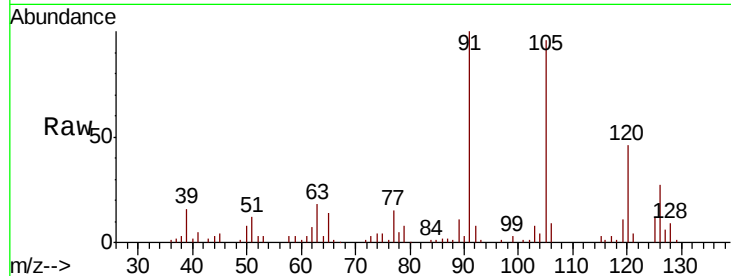
120 46.9 37.8 56.8

Manual Integrations

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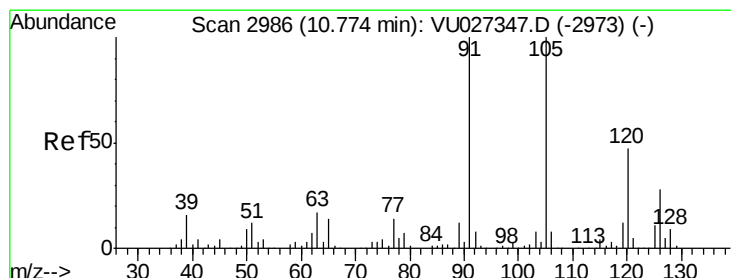
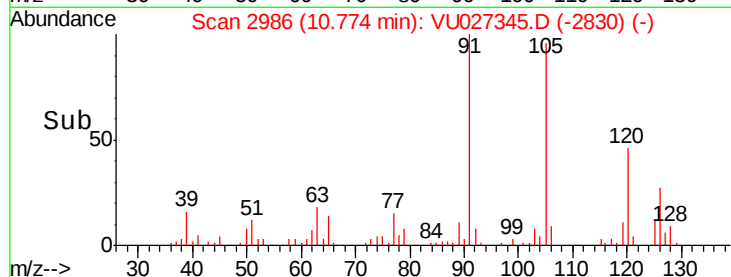
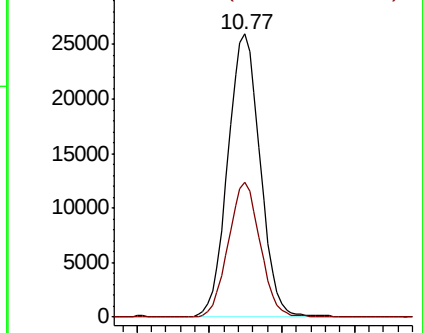
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.892 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027345.D

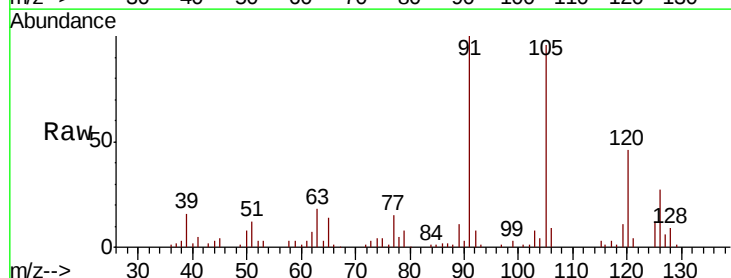
Acq: 02 Oct 2018 16:07

Tgt Ion:126 Resp: 11677

Ion Ratio Lower Upper

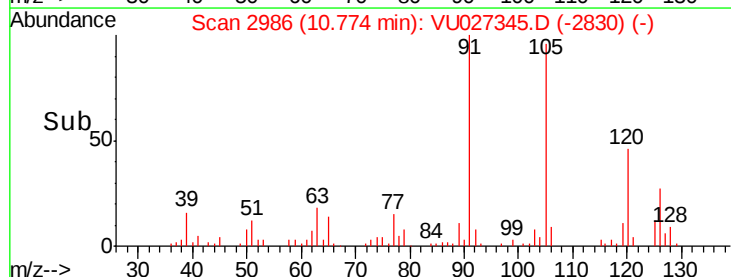
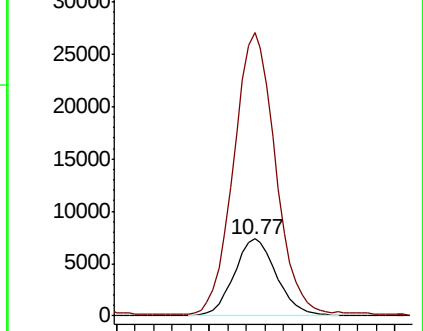
126 100

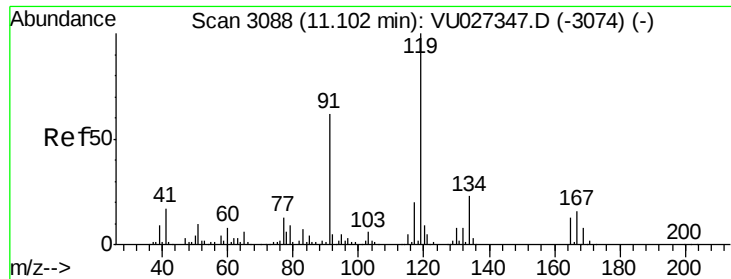
91 370.0 0.0 720.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 1.924 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

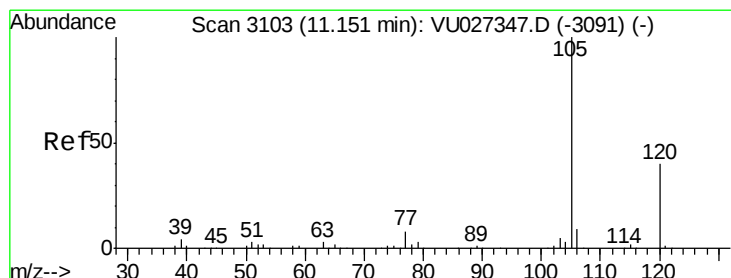
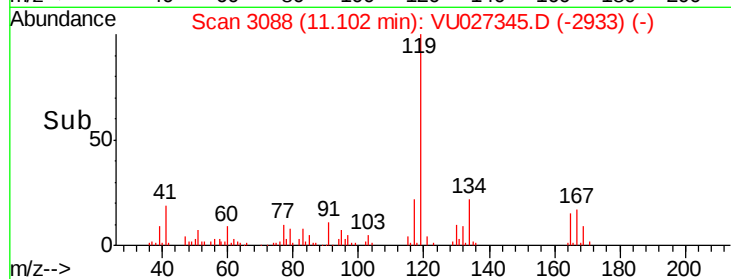
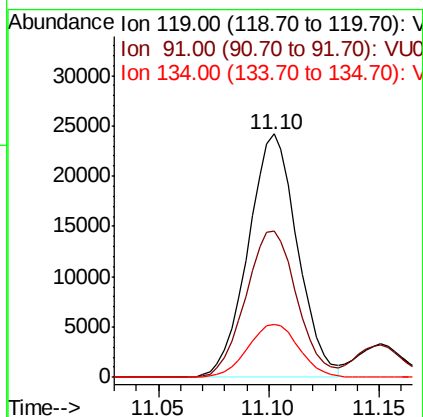
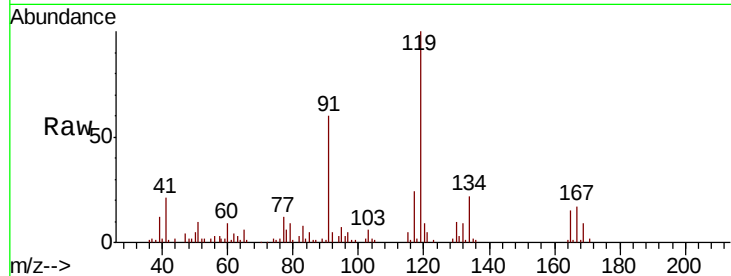
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	37666
Ion Ratio	Lower	Upper	
119	100		
91	62.7	31.4	94.3
134	22.5	18.7	28.1

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#78

1,2,4-Trimethylbenzene

Concen: 1.903 ug/l

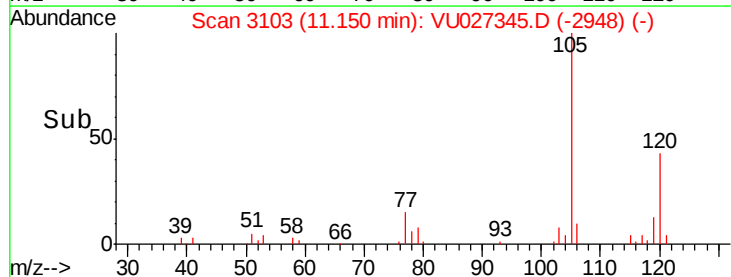
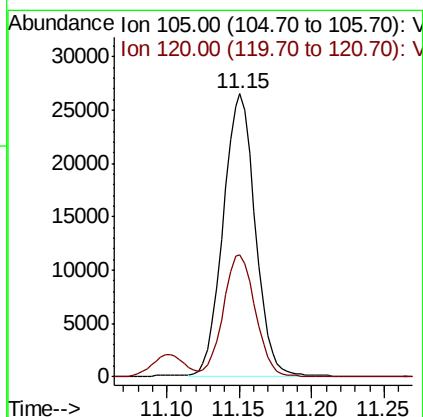
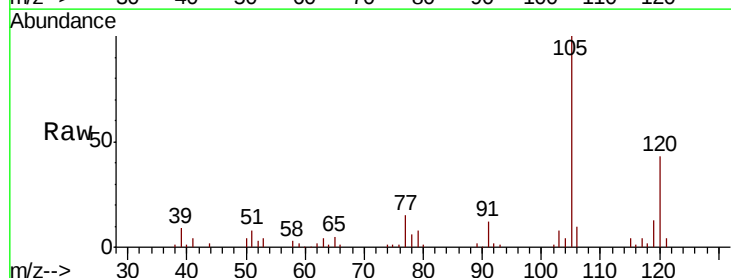
RT: 11.15 min Scan# 3103

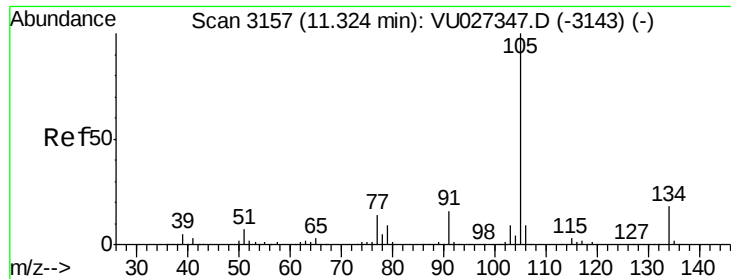
Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Tgt Ion:	105	Resp:	40781
Ion Ratio	Lower	Upper	
105	100		
120	43.1	21.9	65.7





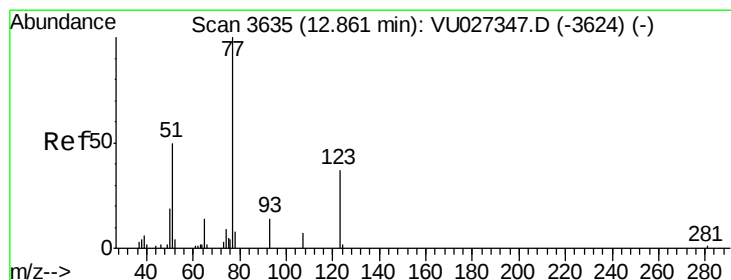
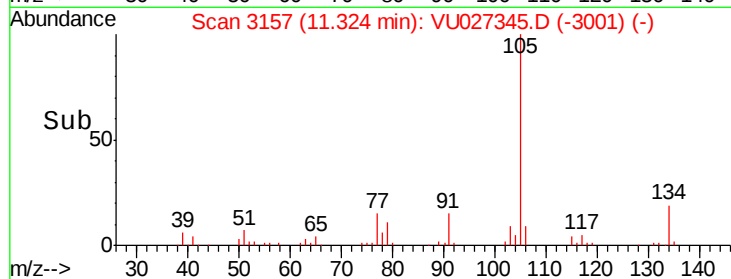
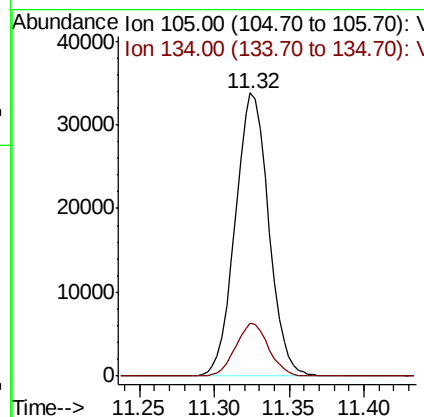
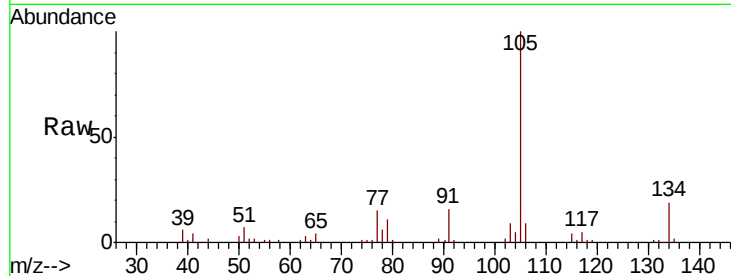
#79
 sec-Butylbenzene
 Concen: 1.909 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.8	22.2

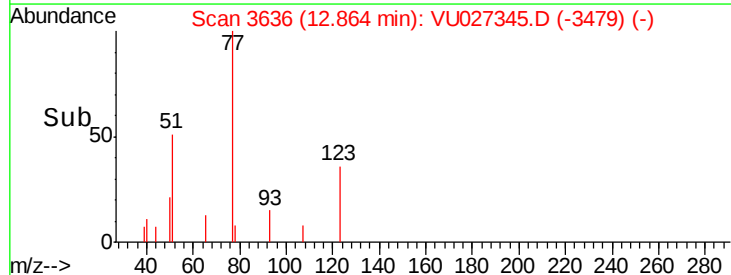
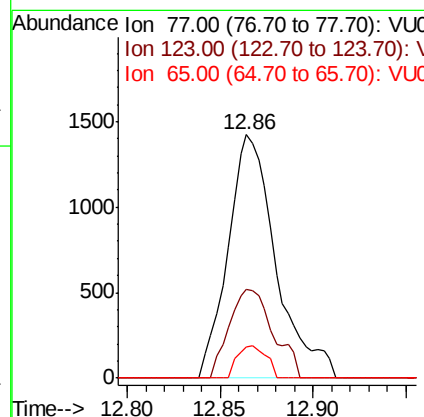
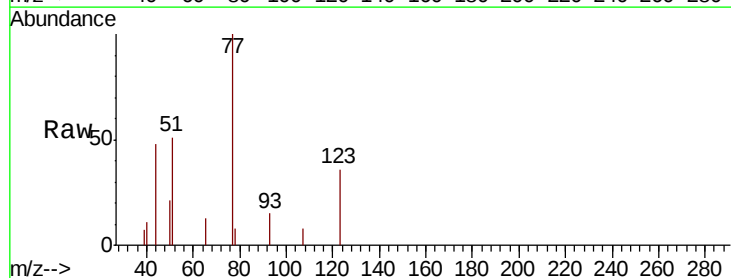
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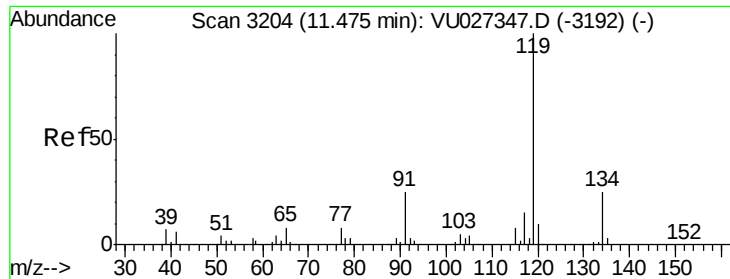
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#80
 Nitrobenzene
 Concen: 16.376 ug/l
 RT: 12.86 min Scan# 3636
 Delta R.T. 0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
77	100		
123	33.5	16.4	58.2
65	7.9	11.7	14.9





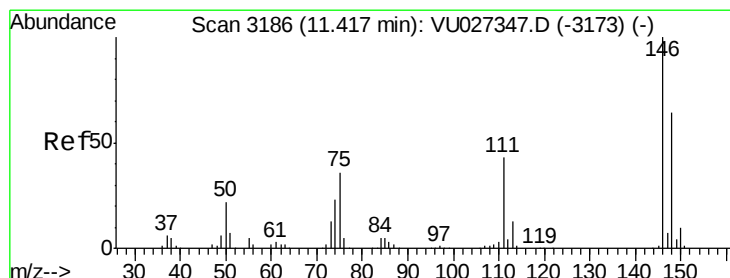
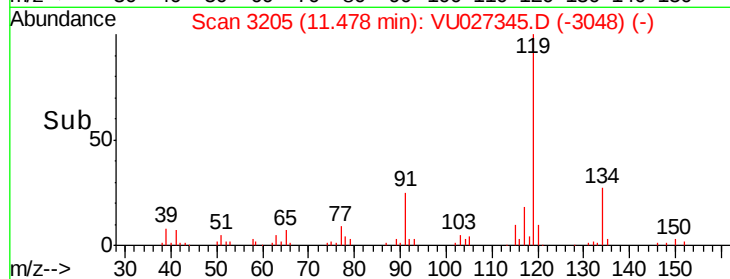
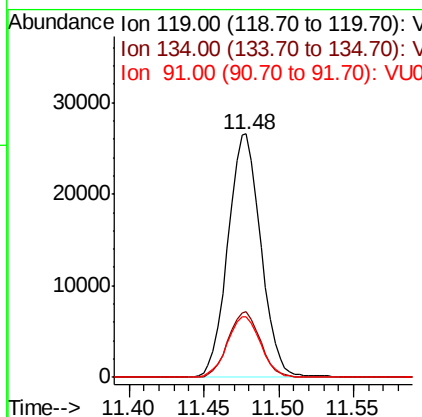
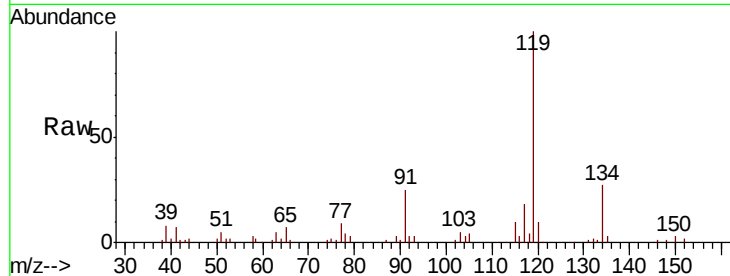
#81
 p-Isopropyltoluene
 Concen: 1.792 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.2	30.2
91	25.2	19.6	29.4

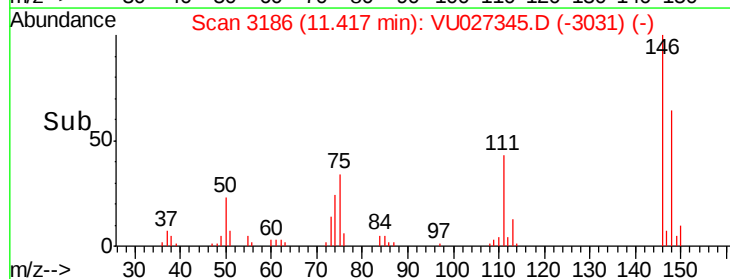
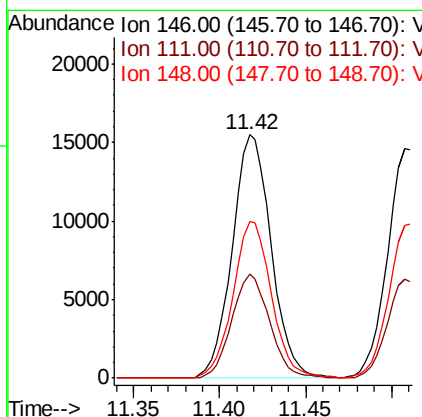
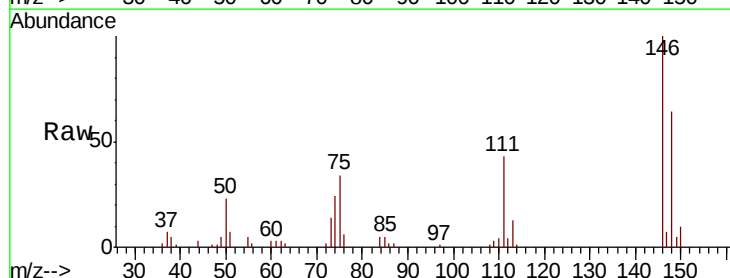
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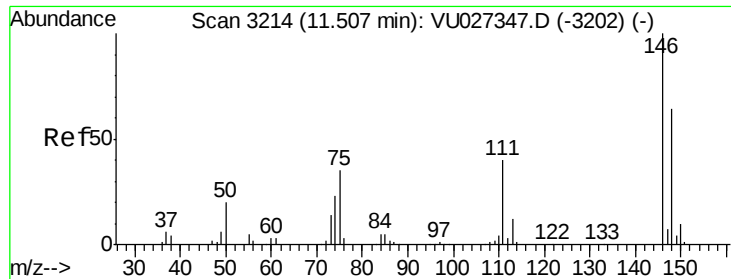
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#82
 1,3-Dichlorobenzene
 Concen: 2.014 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	34.3	51.5
148	63.7	51.2	76.8





#83

1,4-Dichlorobenzene

Concen: 1.958 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027345.D

Acq: 02 Oct 2018 16:07

Instrument :

MSVOA_U

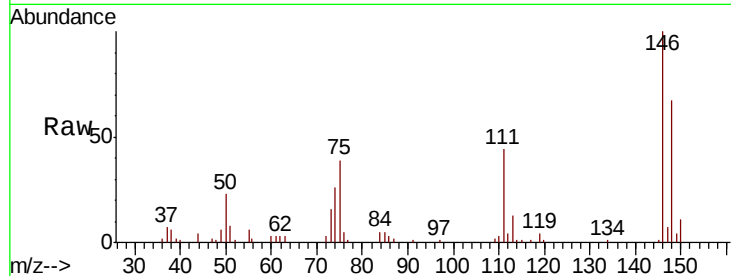
ClientSampleId :

VSTDIC002

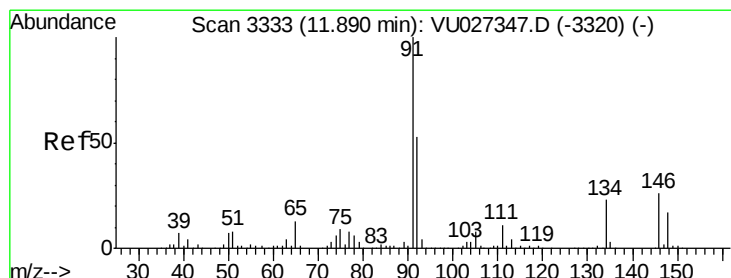
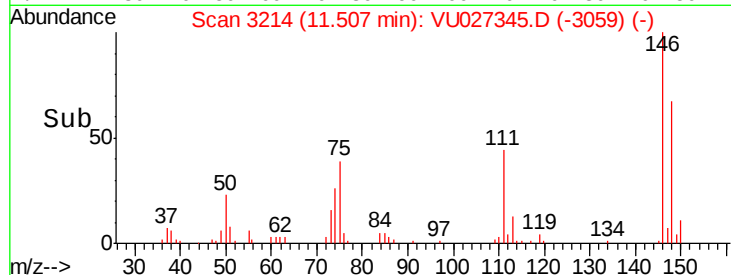
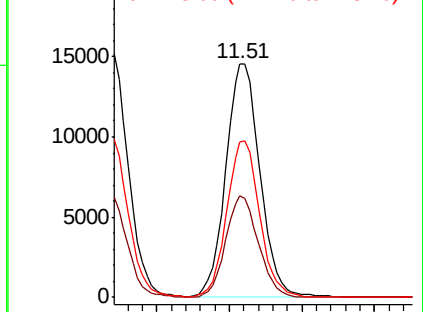
Tot Ion:	146	Resp:	23830
Ion Ratio	Lower	Upper	
146	100		
111	41.3	32.6	49.0
148	64.0	51.4	77.2

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 1.880 ug/l

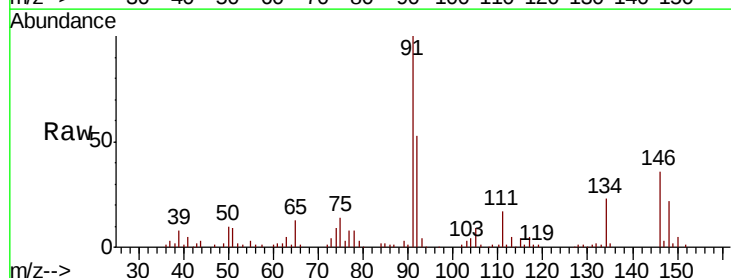
RT: 11.89 min Scan# 3333

Delta R.T. -0.00 min

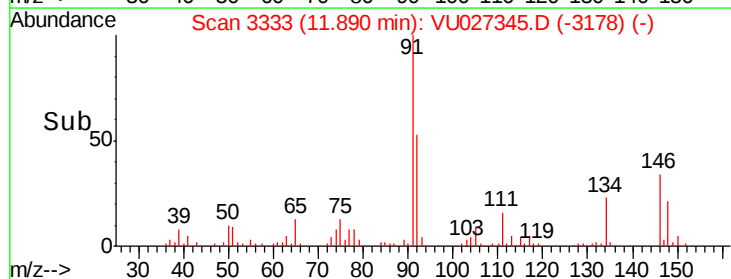
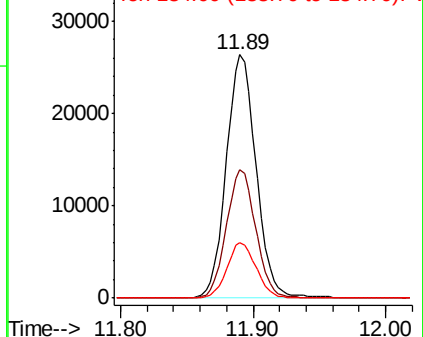
Lab File: VU027345.D

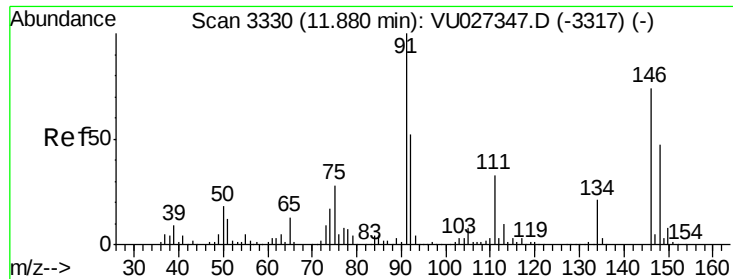
Acq: 02 Oct 2018 16:07

Tgt Ion:	91	Resp:	41198
Ion Ratio	Lower	Upper	
91	100		
92	51.9	42.2	63.2
134	22.1	18.2	27.4



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V





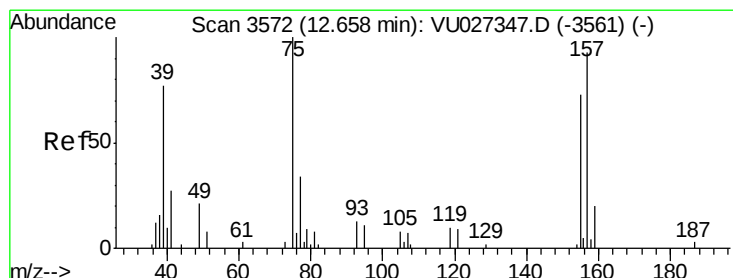
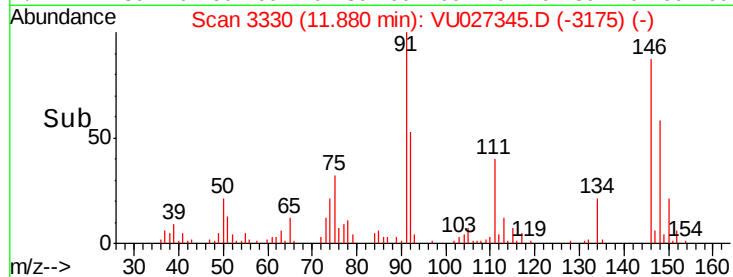
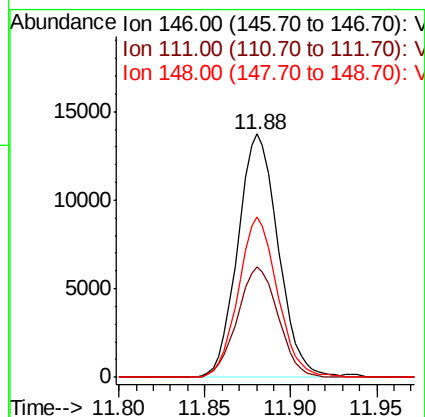
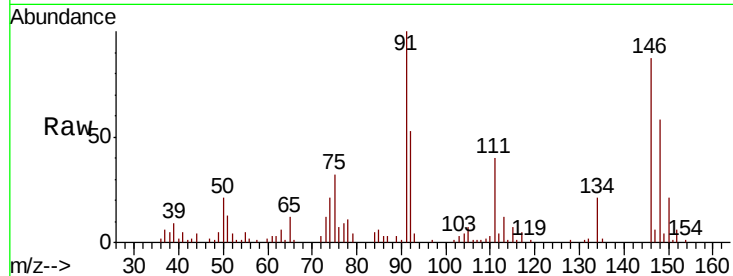
#85
 1,2-Dichlorobenzene
 Concen: 1.975 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.1	66.3
148	64.0	32.0	96.0

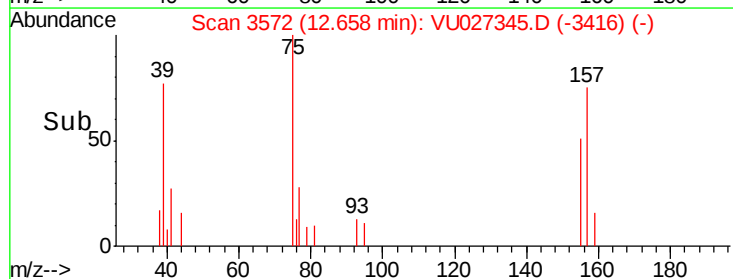
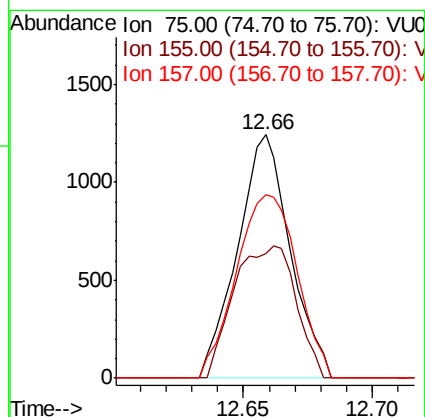
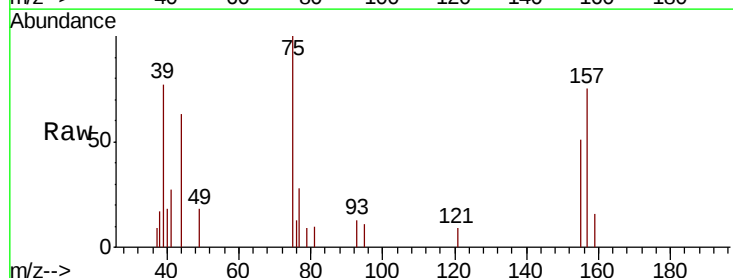
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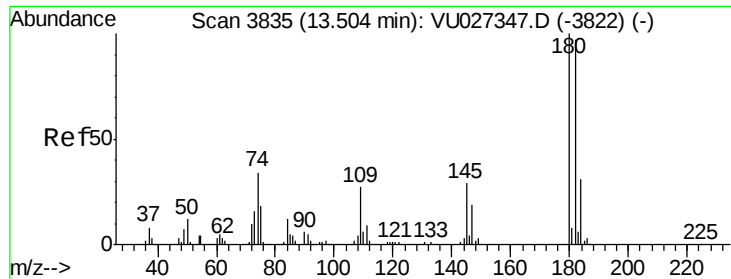
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.494 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.9	56.6	84.8
157	86.9	71.8	107.6





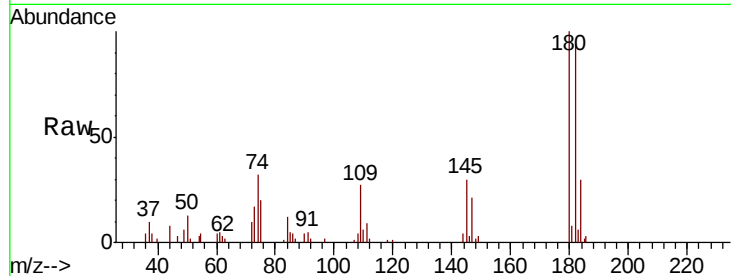
#87
 1,2,4-Trichlorobenzene
 Concen: 1.766 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

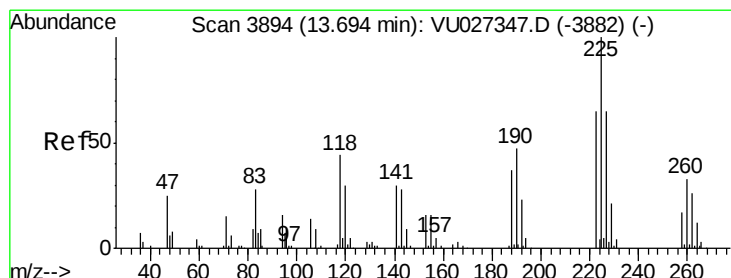
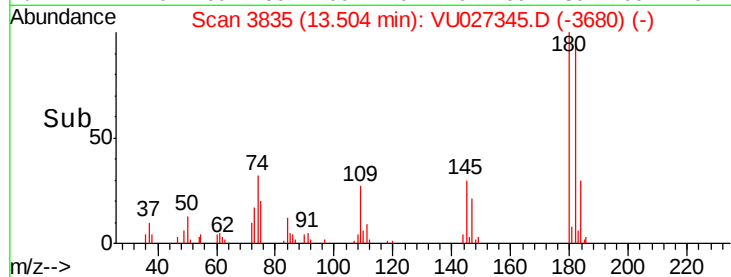
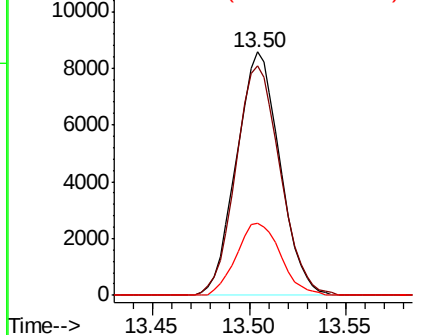
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.5	116.3
145	30.2	23.9	35.9

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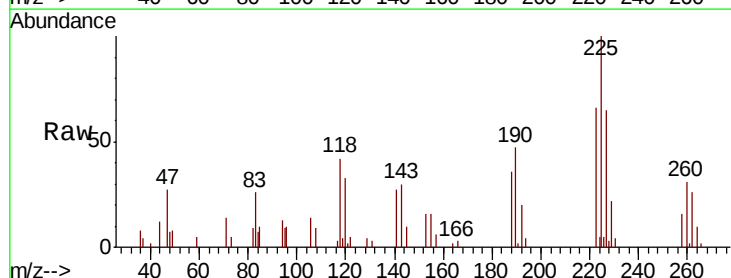


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

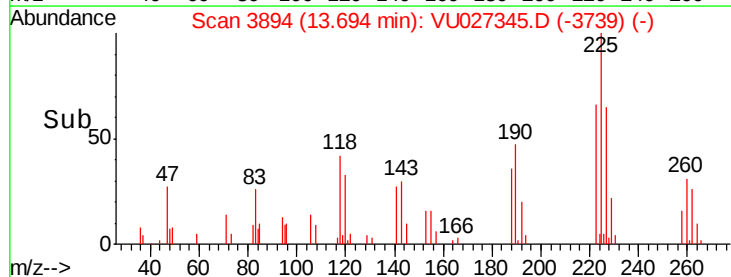
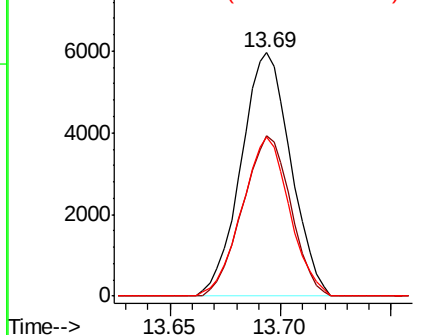


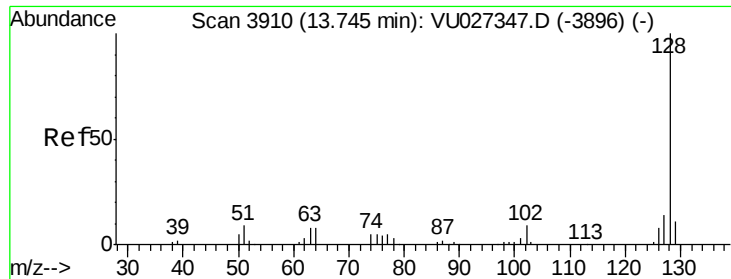
#88
 Hexachlorobutadiene
 Concen: 1.972 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027345.D
 Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.4	77.0
227	62.9	52.3	78.5



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





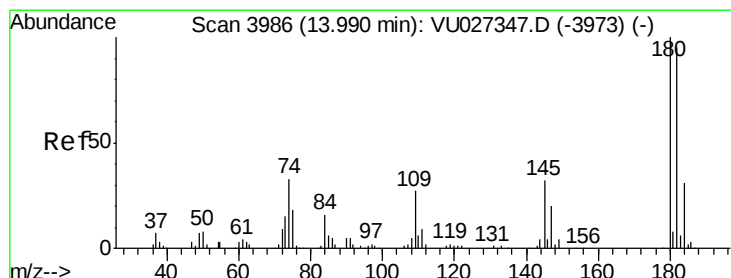
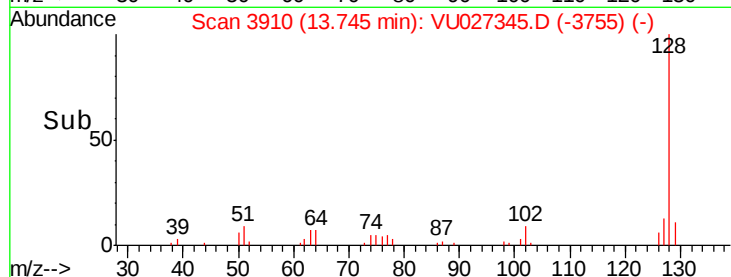
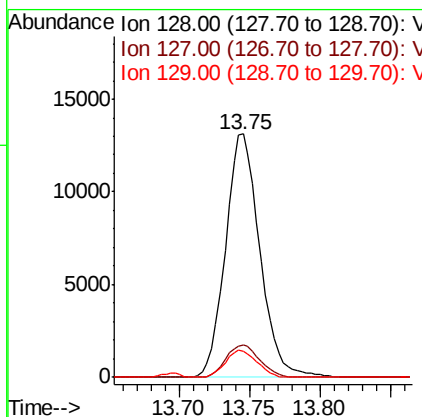
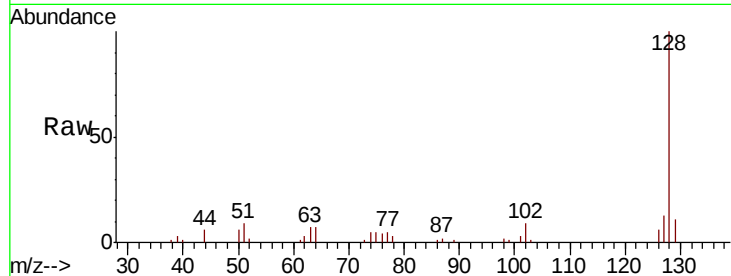
#89
Naphthalene
Concen: 1.833 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.2	8.4	12.6

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#90
1,2,3-Trichlorobenzene
Concen: 1.864 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. -0.00 min
Lab File: VU027345.D
Acq: 02 Oct 2018 16:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.2	114.4
145	32.3	25.8	38.8

