

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100318\
 Data File : VU027343.D
 Acq On : 02 Oct 2018 15:14
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

apatel
 10/5/2018 11:56:12 AM

Quant Time: Oct 03 02:42:30 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	21955	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	8095	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	6416	0.83	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	3410	0.562	ug/l	95
3) Chloromethane	1.33	50	3883	0.515	ug/l	95
4) Vinyl Chloride	1.40	62	4143	0.576	ug/l	94
5) Bromomethane	1.63	94	1478	0.305	ug/l	99
6) Chloroethane	1.70	64	5801m	1.415	ug/l	
7) Trichlorofluoromethane	1.89	101	4748	0.553	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.30	101	2920	0.583	ug/l	99
9) 1,1-Dichloroethene	2.29	96	2477	0.527	ug/l	92
10) Iodomethane	2.41	142	2016	0.510	ug/l	96
11) Allyl Chloride	2.60	41	6737	0.750	ug/l	100
12) Acrylonitrile	2.94	53	1720	1.405	ug/l	98
13) Acetone	2.33	43	5403	4.864	ug/l	94
14) Carbon Disulfide	2.48	76	7666	0.562	ug/l	96
15) Methylene Chloride	2.70	84	4854	0.851	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	2811	0.559	ug/l	98
17) 1,1-Dichloroethane	3.45	63	6492	0.607	ug/l #	95
18) 2-Butanone	4.29	43	6797	3.771	ug/l	97
19) Cyclohexane	4.99	56	4883	0.549	ug/l #	90
20) Methylcyclohexane	6.41	83	4454	0.463	ug/l	91
21) 2,2-Dichloropropane	4.23	77	6512	0.804	ug/l #	71
22) cis-1,2-Dichloroethene	4.23	96	3553	0.568	ug/l	94
23) Diethyl Ether	2.11	59	2597	0.628	ug/l	94
24) tert-Butyl Alcohol	2.85	59	3190	6.406	ug/l #	93
25) Methyl tert-Butyl Ether	3.01	73	7810	0.602	ug/l #	75
26) Bromochloromethane	4.55	128	1150	0.435	ug/l	89
27) Chloroform	4.67	83	5902	0.540	ug/l	89
28) 1,1,1-Trichloroethane	4.91	97	4967	0.581	ug/l	98
29) 1,1-Dichloropropene	5.13	75	4293	0.515	ug/l #	90
30) Carbon Tetrachloride	5.13	117	3863	0.543	ug/l	98
31) Isopropyl Ether	3.58	45	13405	0.705	ug/l	97
32) Ethyl-t-butyl ether	4.08	59	9735	0.604	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	7803	0.592	ug/l	98
34) Propionitrile	4.34	54	1694	3.282	ug/l #	78
35) Benzene	5.39	78	13176	0.545	ug/l	100
36) 1,2-Dichloroethane	5.41	62	4097	0.588	ug/l #	92
37) Trichloroethene	6.19	130	2781	0.435	ug/l	98
38) 1,2-Dichloropropane	6.44	63	3968	0.617	ug/l	93
39) Methacrylonitrile	4.56	41	1877	0.819	ug/l #	74
40) Methyl acrylate	4.43	55	2314	0.712	ug/l #	72
41) Tetrahydrofuran	4.66	42	2357	1.878	ug/l #	77
42) 1-Chlorobutane	5.06	56	7272	0.596	ug/l	95

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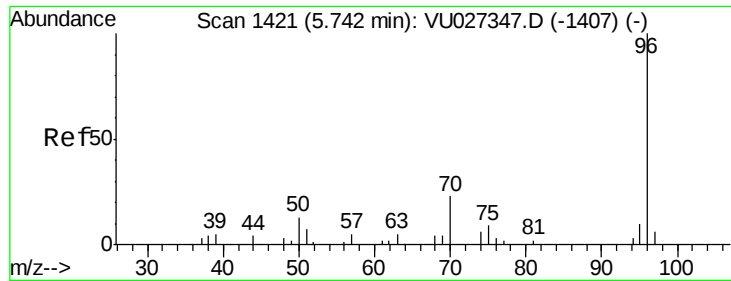
Manual Integrations
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Quant Time: Oct 03 02:42:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U100318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 03 02:08:26 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	1613	0.559	ug/l	99
44) Bromodichloromethane	6.76	83	4394	0.625	ug/l	95
45) 4-Methyl-2-Pentanone	7.48	43	11891	2.874	ug/l	97
46) t-1,4-Dichloro-2-butene	10.52	75	1425m	1.309	ug/l	
47) Methyl methacrylate	6.64	69	3330	1.159	ug/l	94
48) Ethyl methacrylate	8.03	69	2635	0.496	ug/l	95
49) Toluene	7.64	92	6795	0.478	ug/l	99
50) t-1,3-Dichloropropene	7.89	75	3646	0.599	ug/l #	84
51) cis-1,3-Dichloropropene	7.27	75	4551	0.591	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	2201	0.513	ug/l	99
53) 1,3-Dichloropropane	8.25	76	4274	0.560	ug/l	99
54) 2-Hexanone	8.38	43	8285	2.898	ug/l	91
55) Dibromochloromethane	8.48	129	2270	0.541	ug/l	96
56) 1,2-Dibromoethane	8.59	107	1962	0.512	ug/l	89
58) Tetrachloroethene	8.22	164	2406	0.357	ug/l	90
59) Chlorobenzene	9.12	112	6962	0.458	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	2705	0.526	ug/l	97
61) Pentachloroethane	11.11	117	2161	0.635	ug/l	88
62) Hexachloroethane	12.14	117	1973	0.569	ug/l	100
63) Ethyl Benzene	9.25	91	11281	0.425	ug/l	99
64) m/p-Xylenes	9.38	106	7713	0.765	ug/l	100
65) o-Xylene	9.78	106	3799	0.390	ug/l	93
66) Styrene	9.80	104	6290	0.387	ug/l	99
67) Bromoform	9.96	173	1249	0.531	ug/l #	93
69) Isopropylbenzene	10.17	105	9617	0.376	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	2881	0.563	ug/l	95
71) 1,2,3-Trichloropropane	10.49	75	2148m	0.511	ug/l	
72) Bromobenzene	10.46	156	2594	0.406	ug/l	95
73) n-propylbenzene	10.59	120	2316	0.329	ug/l	84
74) 2-Chlorotoluene	10.66	126	2413	0.385	ug/l	91
75) 1,3,5-Trimethylbenzene	10.77	105	8208	0.377	ug/l	95
76) 4-Chlorotoluene	10.77	126	2251	0.348	ug/l	89
77) tert-Butylbenzene	11.10	119	7936	0.387	ug/l	94
78) 1,2,4-Trimethylbenzene	11.15	105	7617	0.339	ug/l	99
79) sec-Butylbenzene	11.32	105	9988	0.346	ug/l	96
80) Nitrobenzene	12.86	77	559	3.420	ug/l #	45
81) p-Isopropyltoluene	11.48	119	7775	0.326	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	5095	0.400	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	5074	0.398	ug/l	98
84) n-Butylbenzene	11.89	91	8054	0.351	ug/l	94
85) 1,2-Dichlorobenzene	11.88	146	4698	0.395	ug/l	93
86) 1,2-Dibromo-3-Chloropropan	12.66	75	459	0.616	ug/l #	78
87) 1,2,4-Trichlorobenzene	13.51	180	2867	0.361	ug/l	98
88) Hexachlorobutadiene	13.69	225	2112	0.427	ug/l	96
89) Naphthalene	13.75	128	5067	0.397	ug/l #	92
90) 1,2,3-Trichlorobenzene	13.99	180	2948	0.392	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1421

Delta R.T. -0.00 min

Lab File: VU027343.D

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Instrument :

MSVOA_U

ClientSampleId :

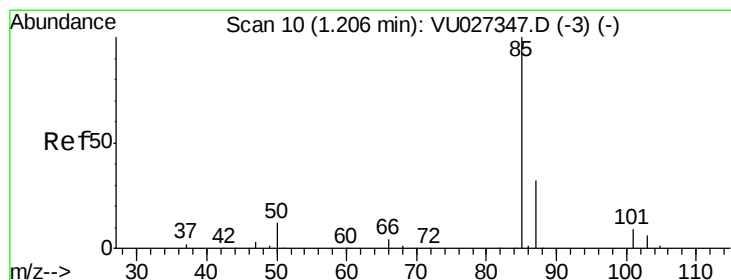
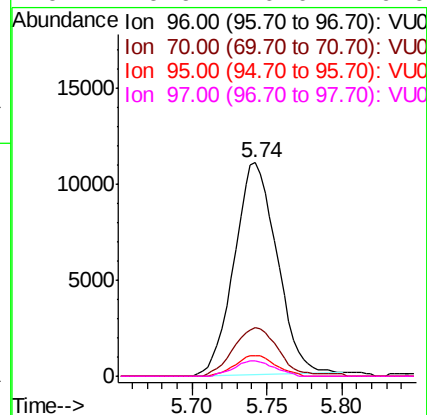
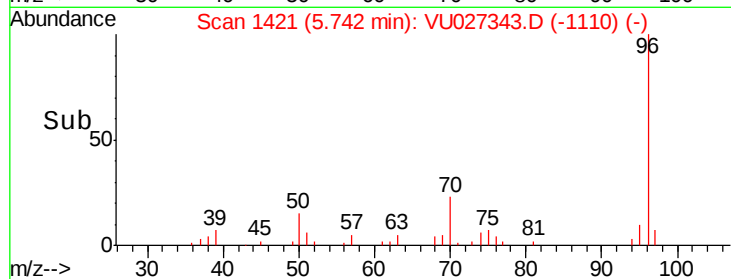
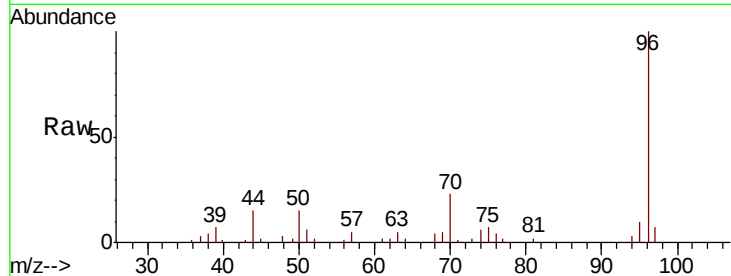
VSTDIC0.5

Tot Ion: 96 Resp: 21955

Ion	Ratio	Lower	Upper
96	100		
70	23.0	19.2	28.8
95	9.3	7.7	11.5
97	6.9	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.562 ug/l

RT: 1.21 min Scan# 10

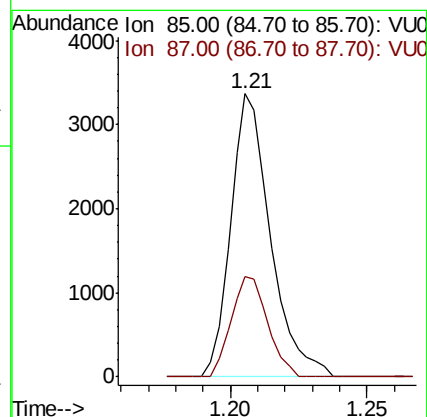
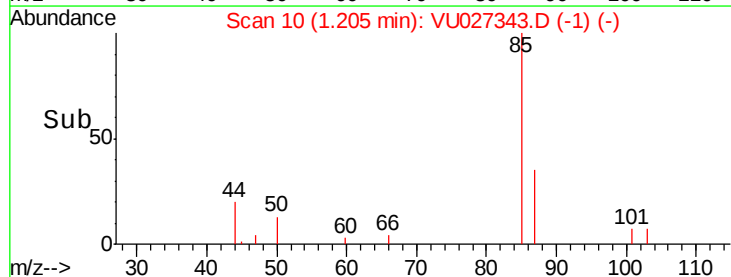
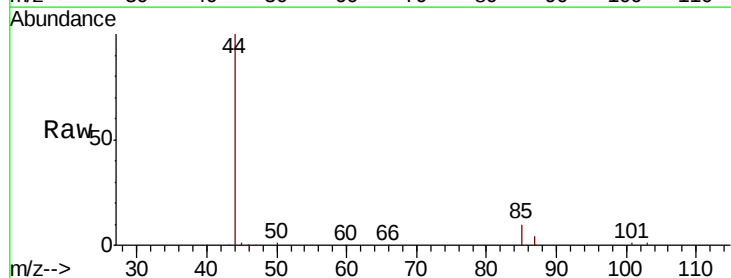
Delta R.T. -0.00 min

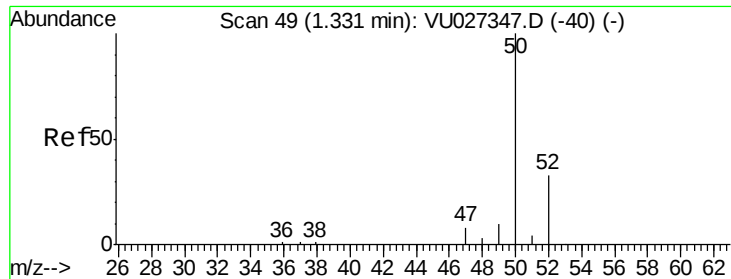
Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Tgt Ion: 85 Resp: 3410

Ion	Ratio	Lower	Upper
85	100		
87	35.3	16.1	48.3





#3

Chloromethane

Concen: 0.515 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 50 Resp: 3883

Ion Ratio Lower Upper

50 100

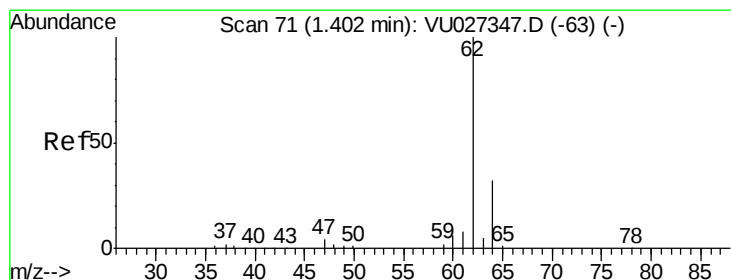
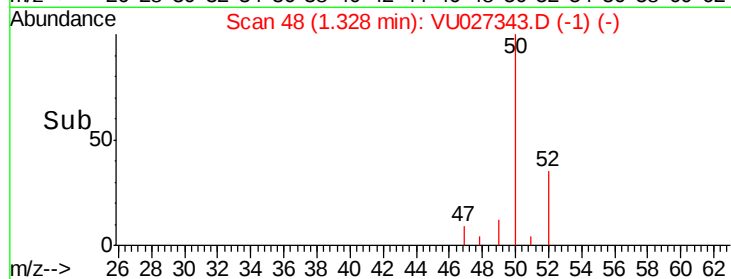
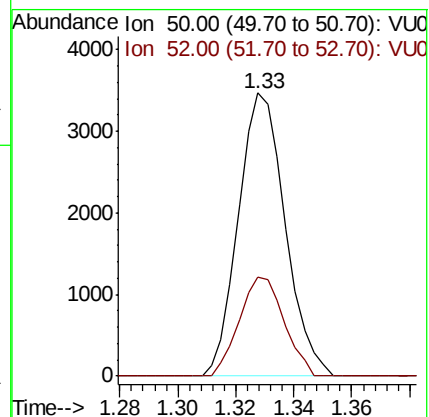
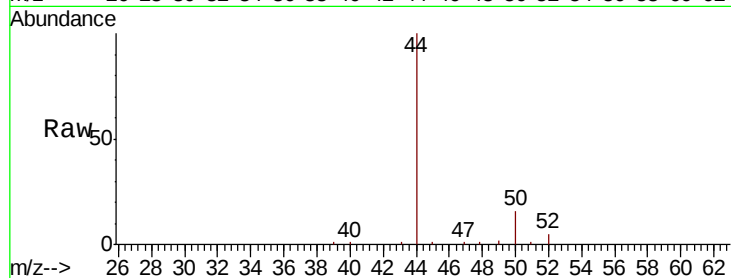
52 35.1 26.0 39.0

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#4

Vinyl Chloride

Concen: 0.576 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027343.D

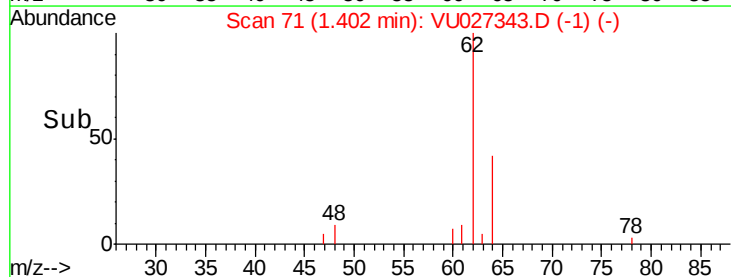
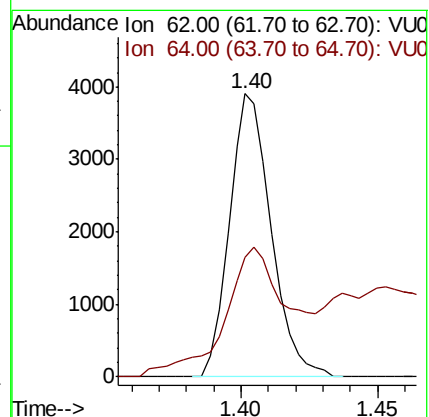
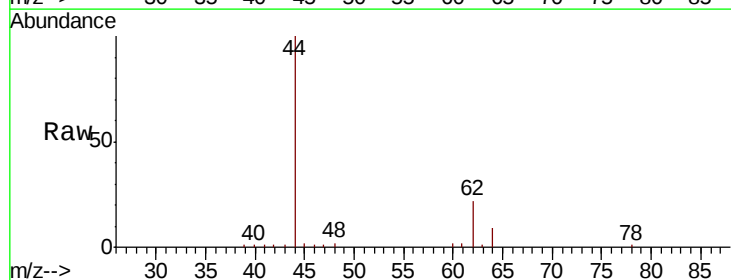
Acq: 02 Oct 2018 15:14

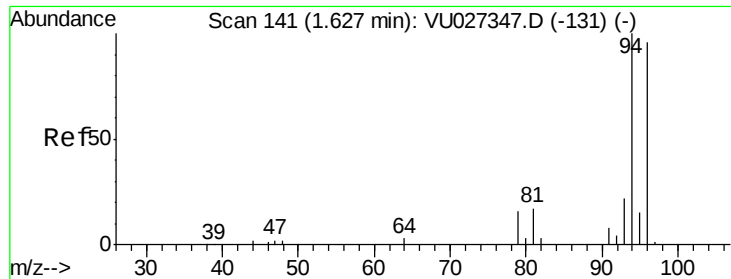
Tgt Ion: 62 Resp: 4143

Ion Ratio Lower Upper

62 100

64 35.6 25.6 38.4





#5

Bromomethane

Concen: 0.305 ug/l

RT: 1.63 min Scan# 143

Delta R.T. 0.01 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 94 Resp: 1478

Ion Ratio Lower Upper

94 100

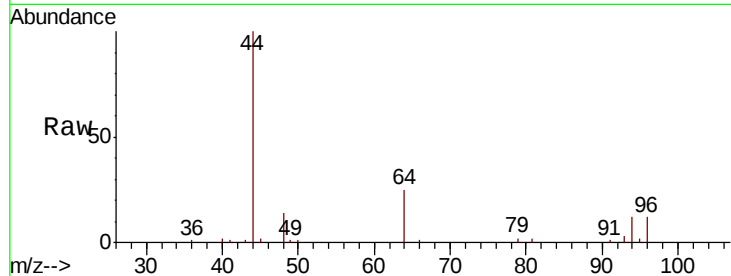
96 97.6 77.0 115.6

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

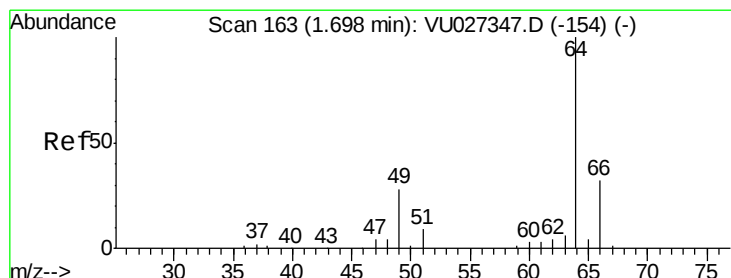
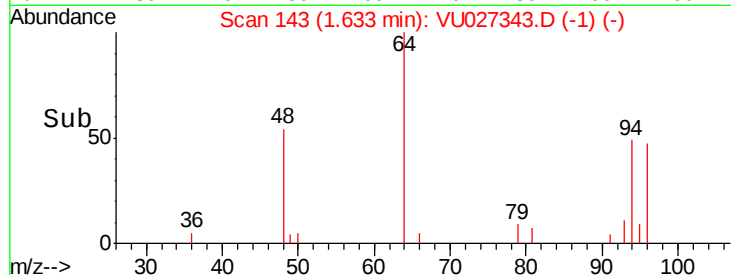
1500

1000

500

0

Time-->



#6

Chloroethane

Concen: 1.415 ug/l m

RT: 1.70 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU027343.D

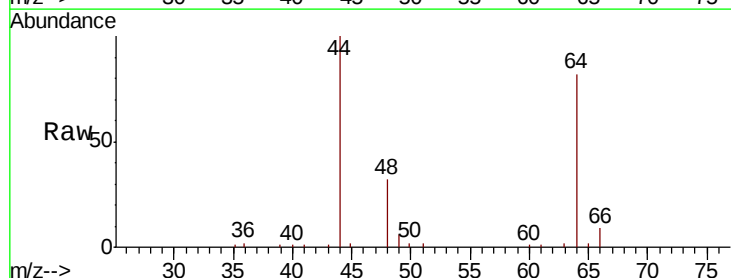
Acq: 02 Oct 2018 15:14

Tgt Ion: 64 Resp: 5801

Ion Ratio Lower Upper

64 100

66 10.8 25.3 37.9#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

8000

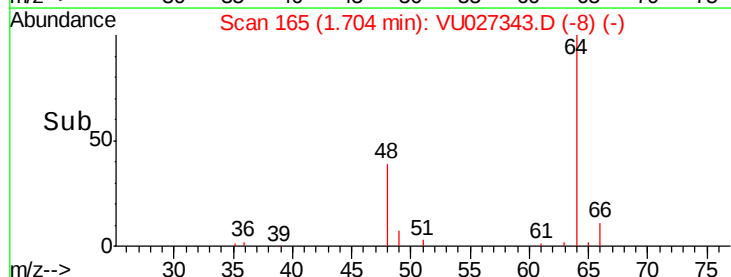
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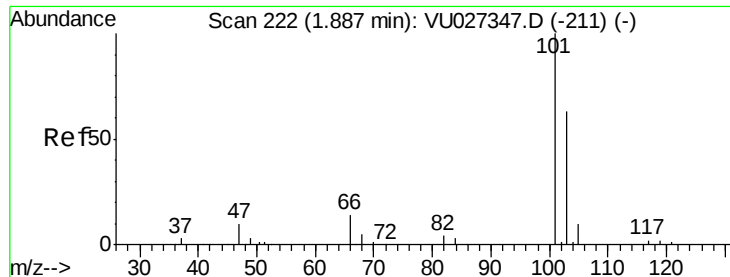
4000

2000

0

Time-->





#7

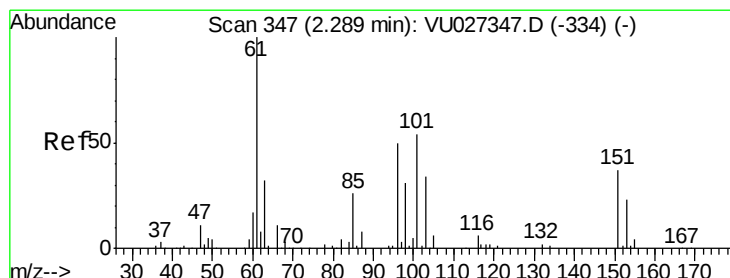
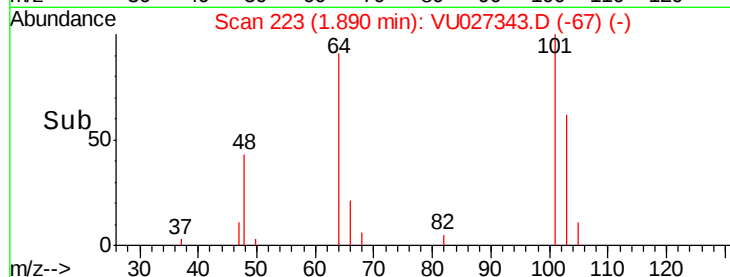
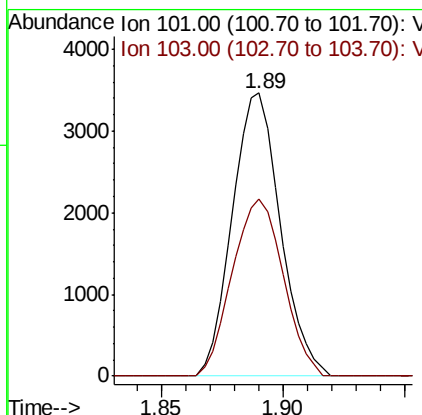
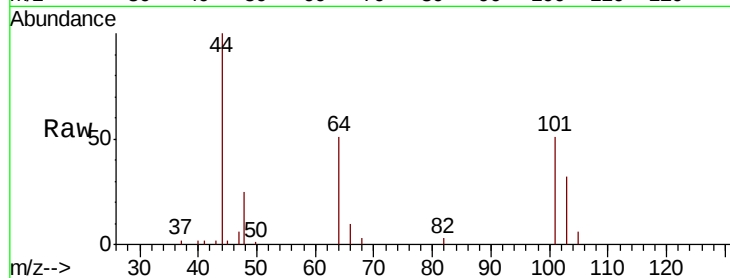
Trichlorofluoromethane
Concen: 0.553 ug/l
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:101 Resp: 4748
Ion Ratio Lower Upper
101 100
103 62.5 50.8 76.2

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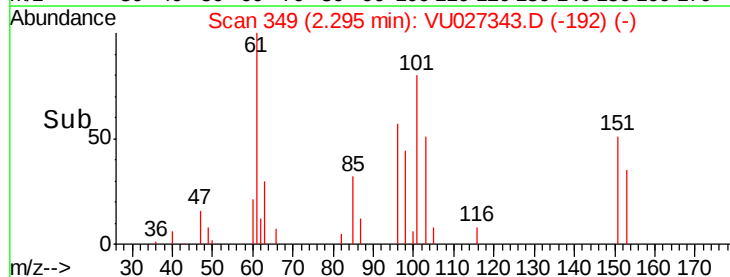
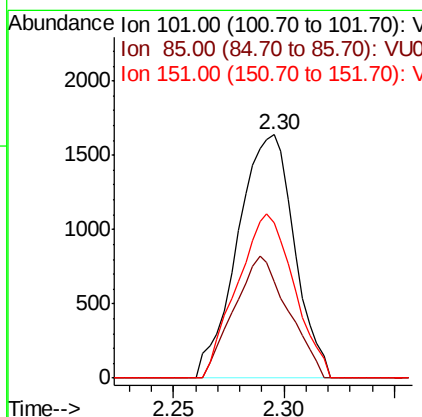
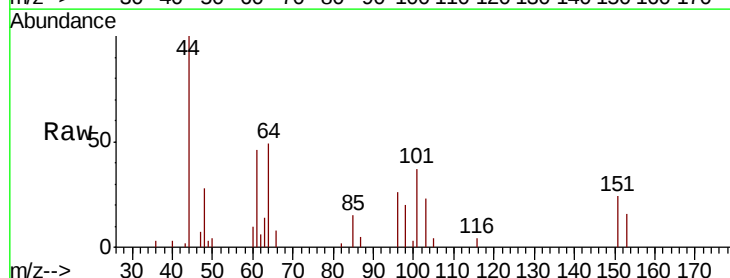
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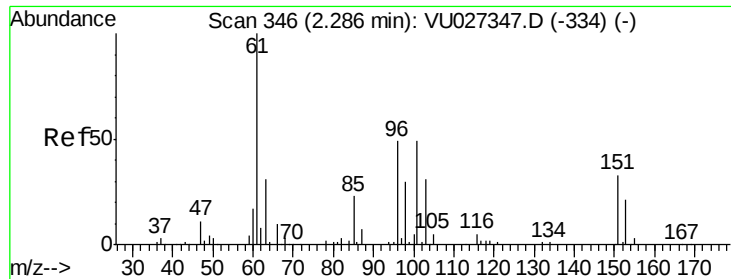


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.583 ug/l
RT: 2.30 min Scan# 349
Delta R.T. 0.01 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion:101 Resp: 2920
Ion Ratio Lower Upper
101 100
85 47.7 37.6 56.4
151 67.5 54.6 81.8





#9

1,1-Dichloroethene

Concen: 0.527 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

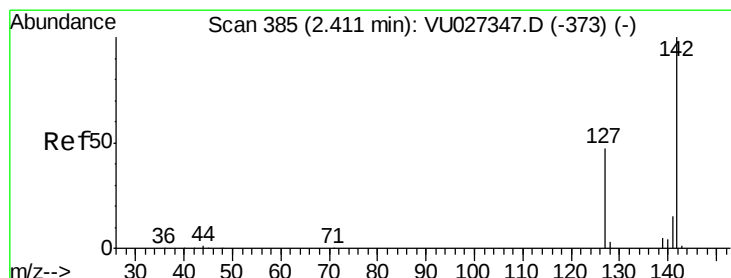
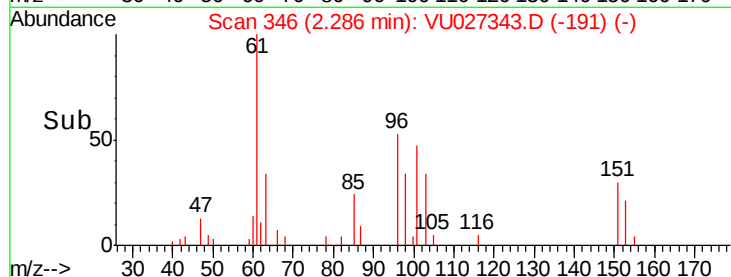
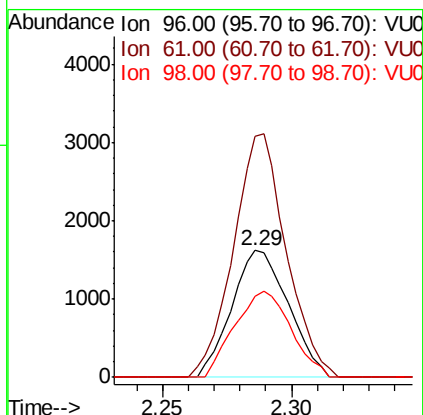
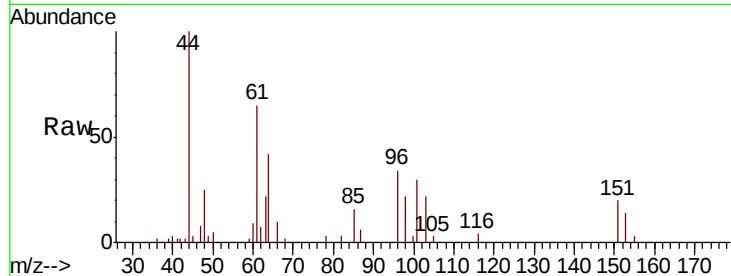
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	2477
Ion Ratio	Lower	Upper	
96	100		
61	190.2	0.0	614.1
98	64.1	0.0	123.4

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#10

Iodomethane

Concen: 0.510 ug/l

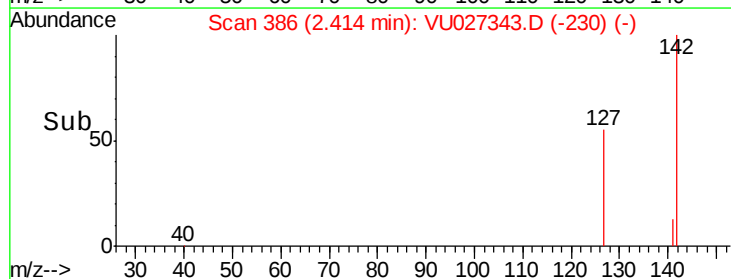
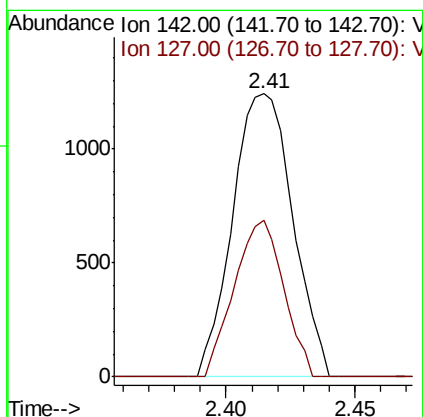
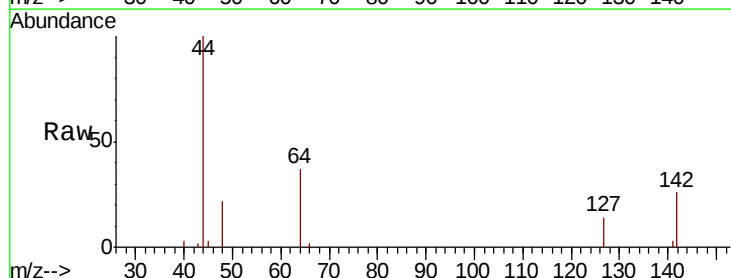
RT: 2.41 min Scan# 386

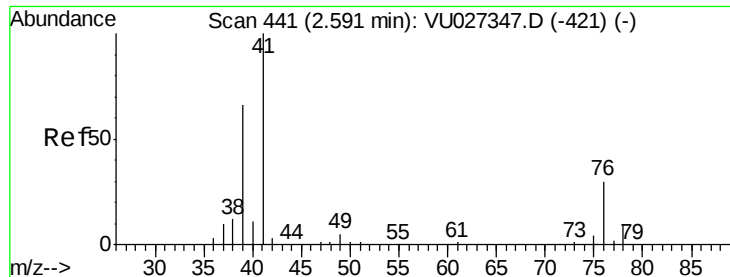
Delta R.T. 0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Tgt Ion:	142	Resp:	2016
Ion Ratio	Lower	Upper	
142	100		
127	45.3	38.3	57.5





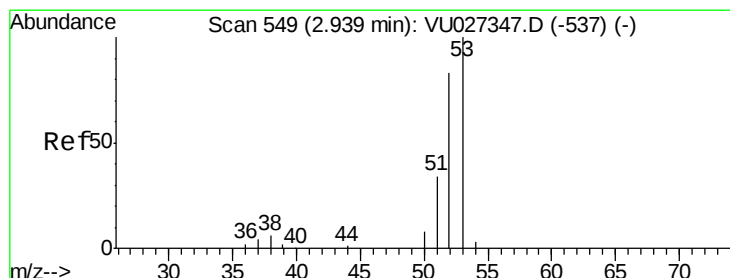
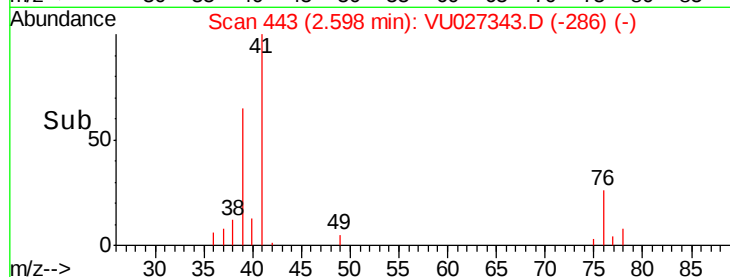
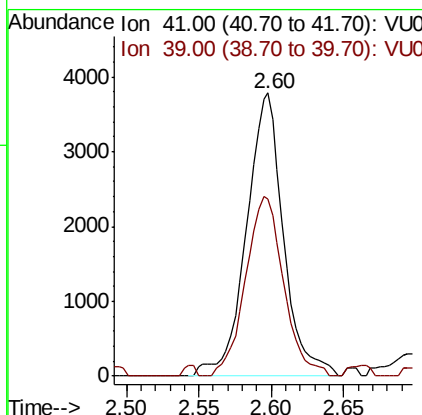
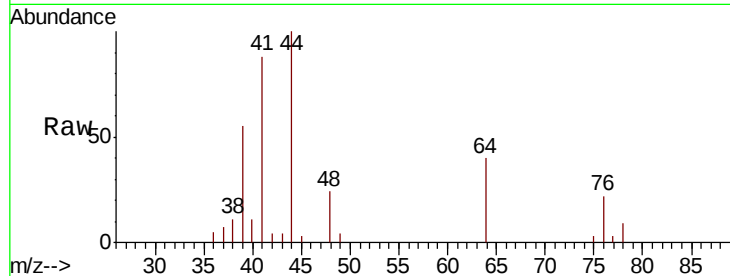
#11
Allvl Chloride
Concen: 0.750 ug/l
RT: 2.60 min Scan# 443
Delta R.T. 0.01 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 41 Resp: 6737
Ion Ratio Lower Upper
41 100
39 64.9 52.2 78.4

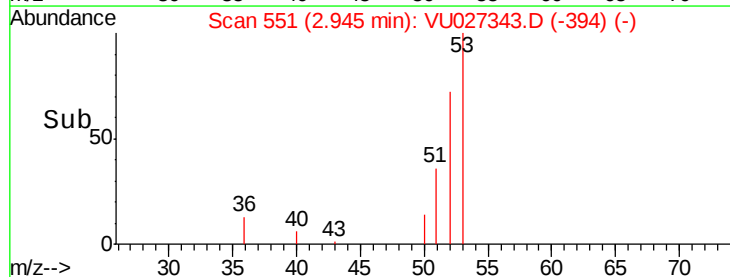
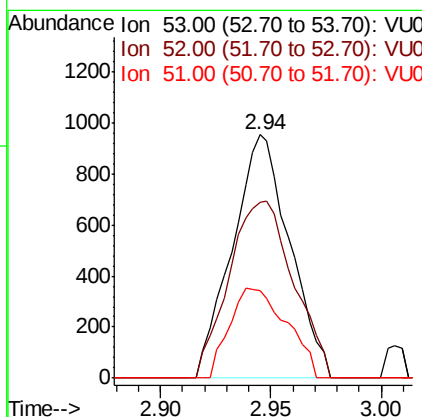
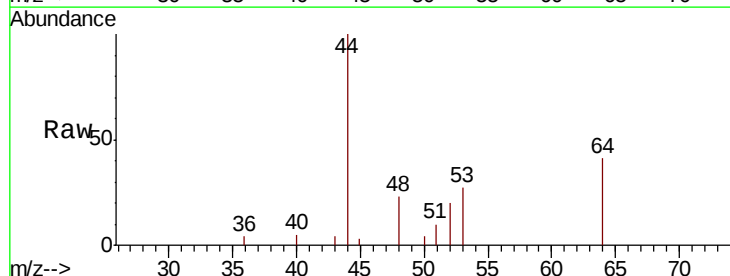
Manual Integrations
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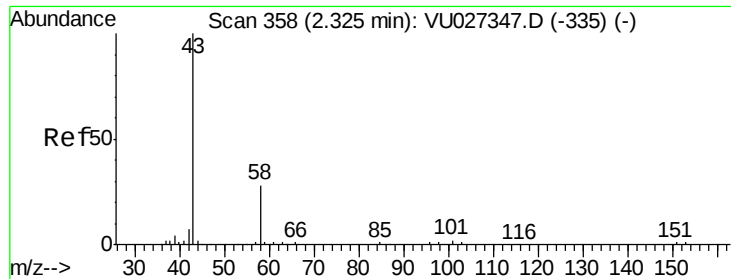
apatel
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#12
Acrylonitrile
Concen: 1.405 ug/l
RT: 2.94 min Scan# 551
Delta R.T. 0.01 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion: 53 Resp: 1720
Ion Ratio Lower Upper
53 100
52 81.8 67.0 100.4
51 36.7 29.0 43.6





#13

Acetone

Concen: 4.864 ug/l

RT: 2.33 min Scan# 361

Delta R.T. 0.01 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 5403

Ion Ratio Lower Upper

43 100

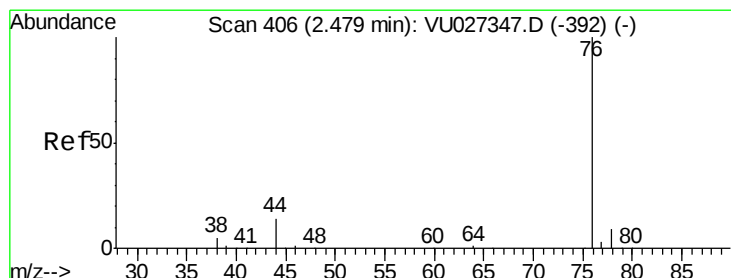
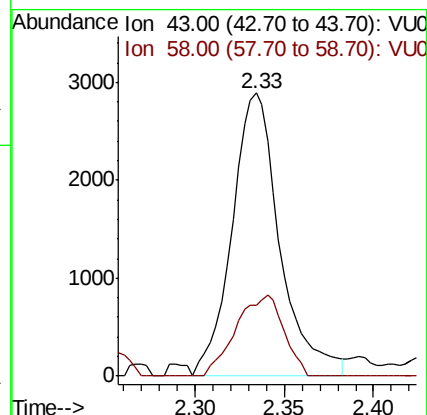
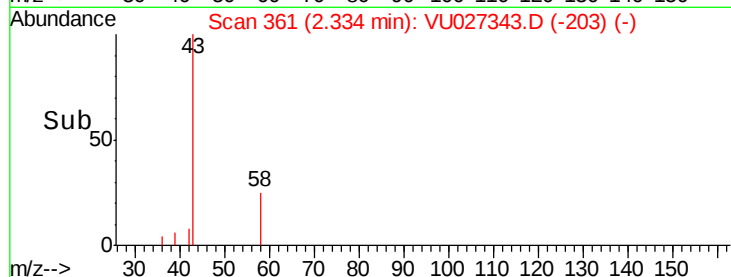
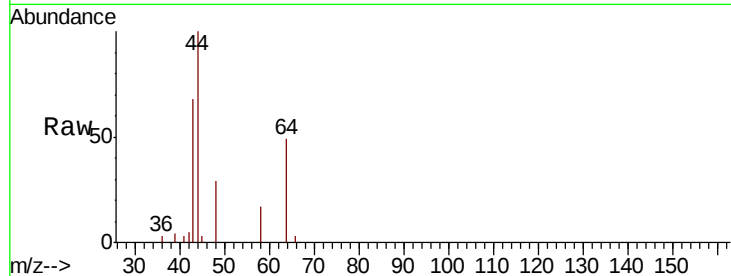
58 24.9 22.6 34.0

Manual Integrations

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#14

Carbon Disulfide

Concen: 0.562 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027343.D

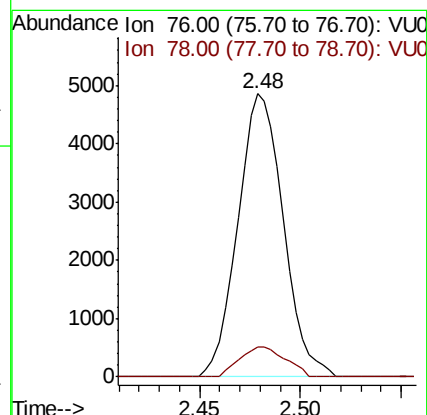
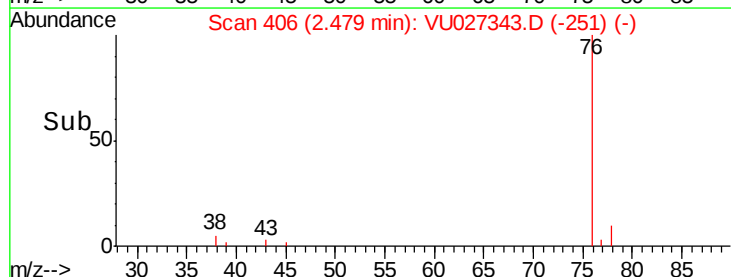
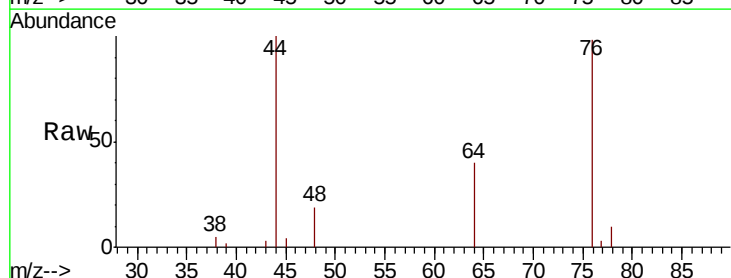
Acq: 02 Oct 2018 15:14

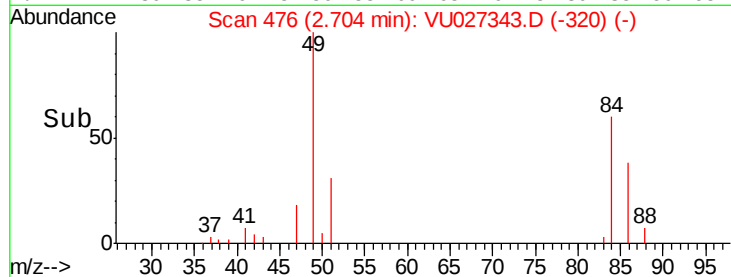
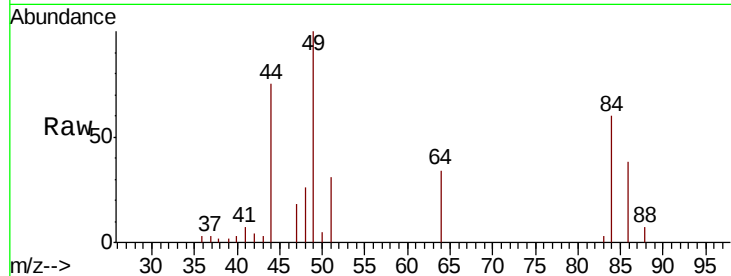
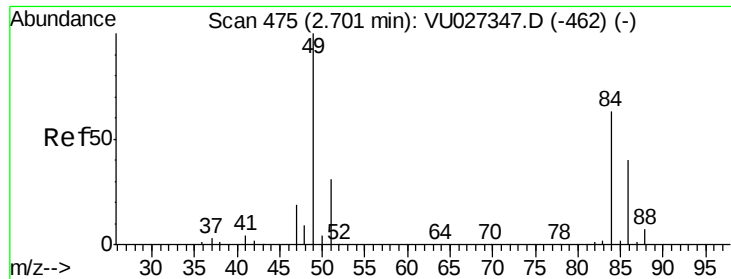
Tgt Ion: 76 Resp: 7666

Ion Ratio Lower Upper

76 100

78 10.4 7.3 10.9





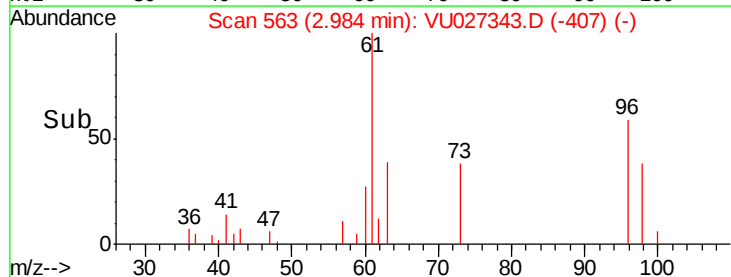
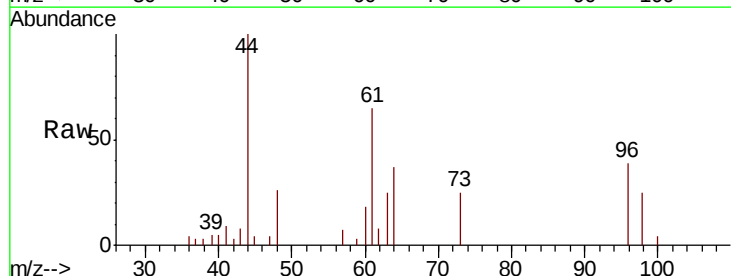
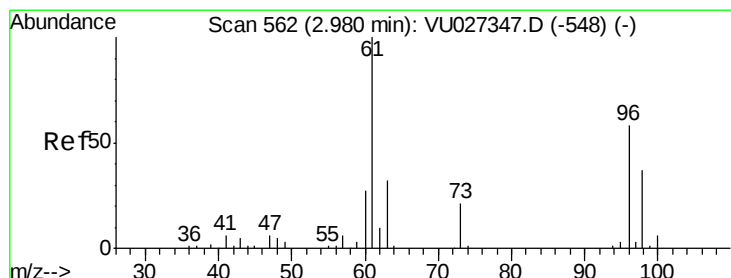
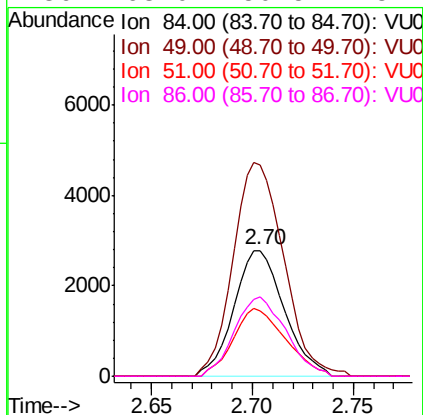
#15
Methvlene Chloride
Concen: 0.851 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tot Ion:	84	Resp:	4854
Ion	Ratio	Lower	Upper
84	100		
49	167.5	126.0	189.0
51	52.4	0.0	97.4
86	63.0	50.5	75.7

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

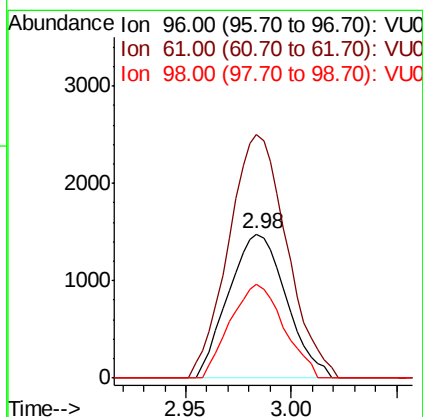
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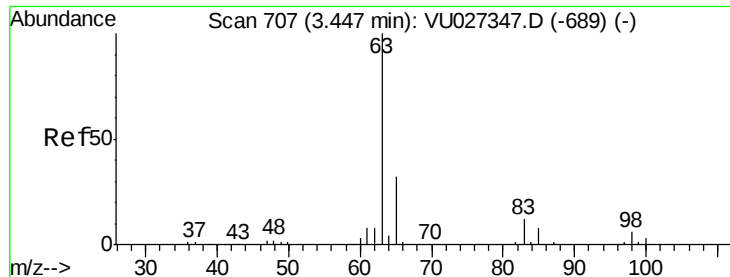
apatel
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#16
trans-1,2-Dichloroethene
Concen: 0.559 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion:	96	Resp:	2811
Ion	Ratio	Lower	Upper
96	100		
61	169.1	138.2	207.4
98	65.1	51.5	77.3





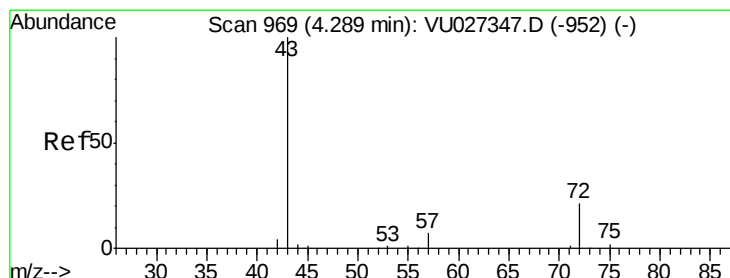
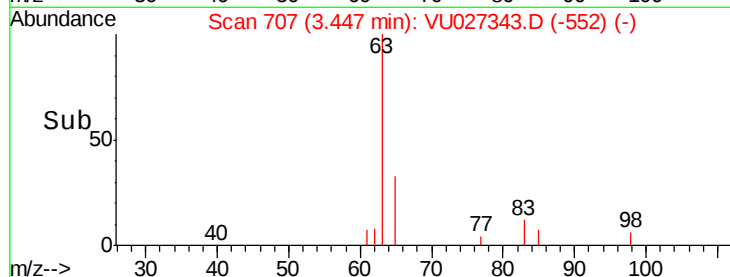
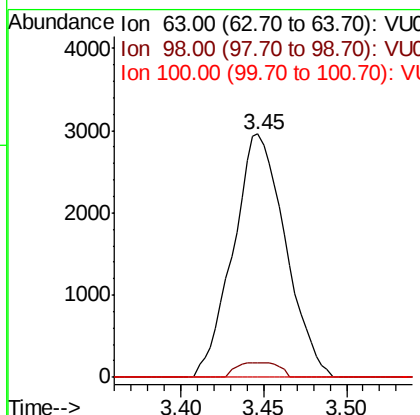
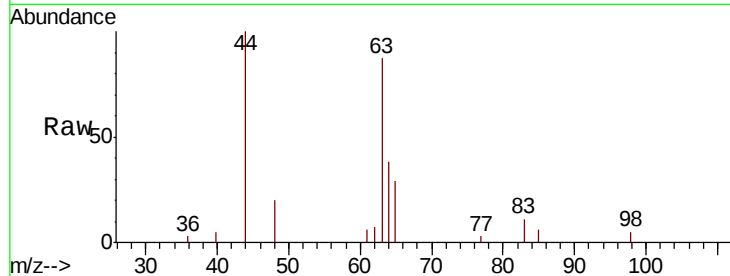
#17
 1,1-Dichloroethane
 Concen: 0.607 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.9	8.6
100	0.0	1.8	5.3

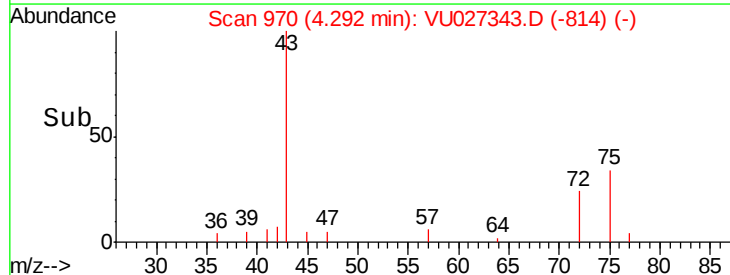
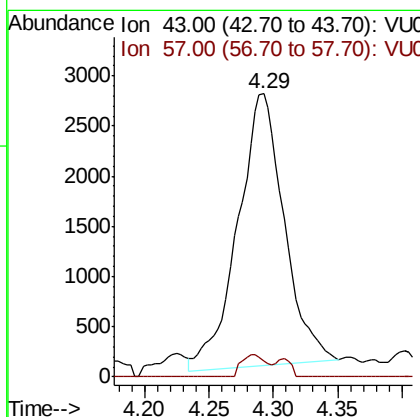
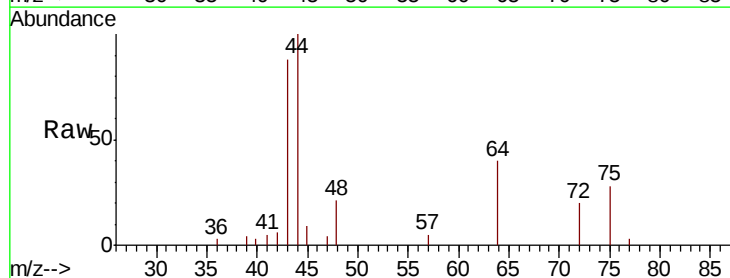
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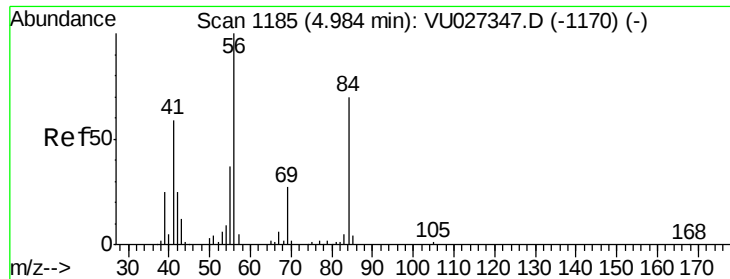
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#18
 2-Butanone
 Concen: 3.771 ug/l
 RT: 4.29 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Tgt Ion	Ratio	Lower	Upper
43	100		
57	6.0	0.0	14.4





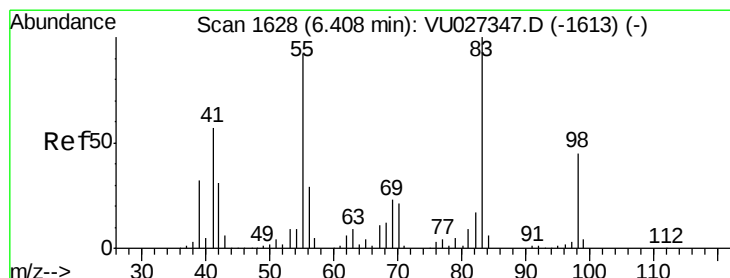
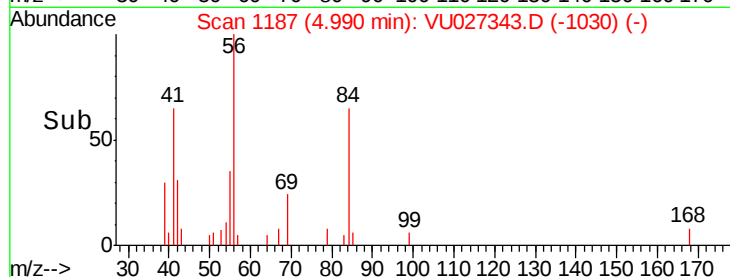
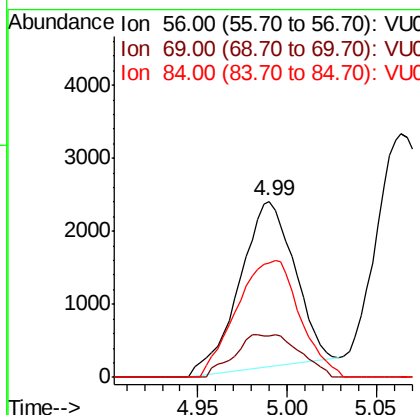
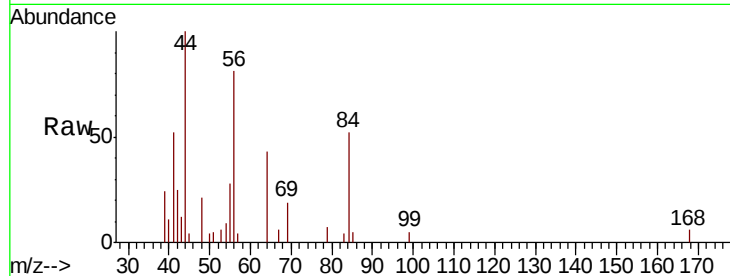
#19
Cyclohexane
Concen: 0.549 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. 0.01 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
56	100		
69	14.5	24.9	37.3#
84	80.7	63.0	94.6

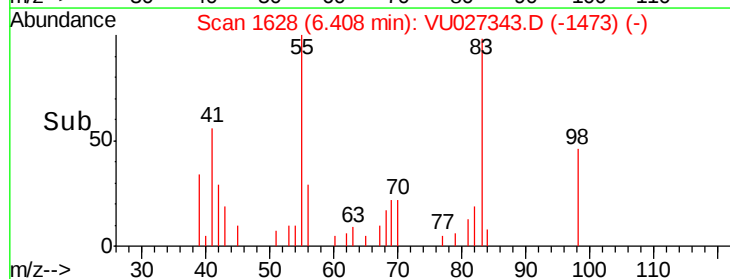
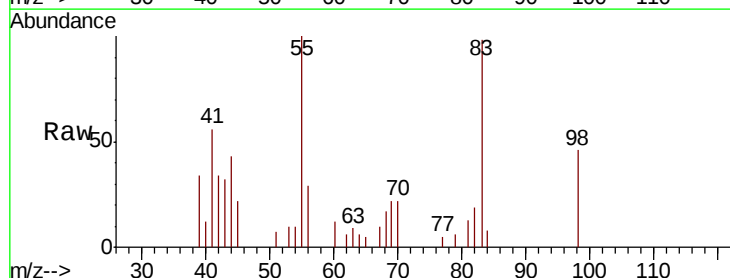
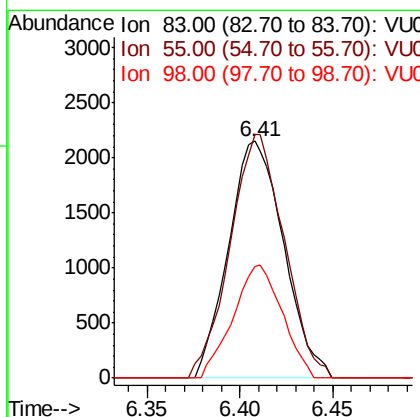
Manual Integrations
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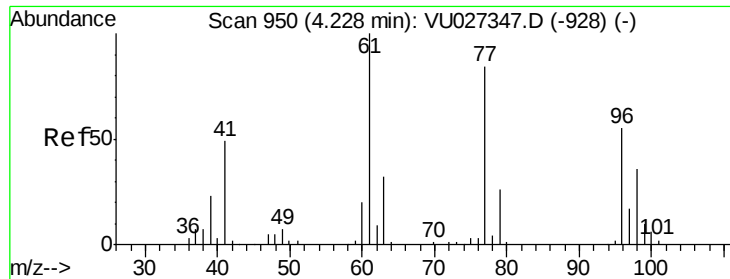
apatel
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#20
Methylcyclohexane
Concen: 0.463 ug/l
RT: 6.41 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion	Ratio	Lower	Upper
83	100		
55	100.7	71.6	107.4
98	42.5	35.8	53.6





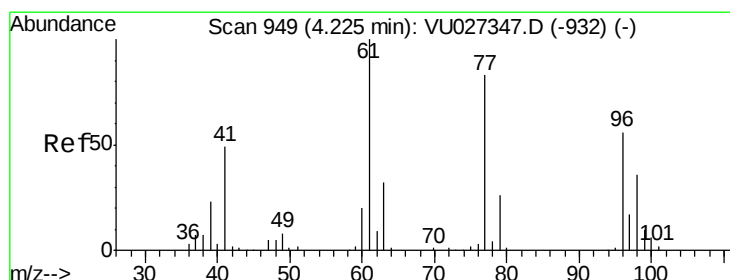
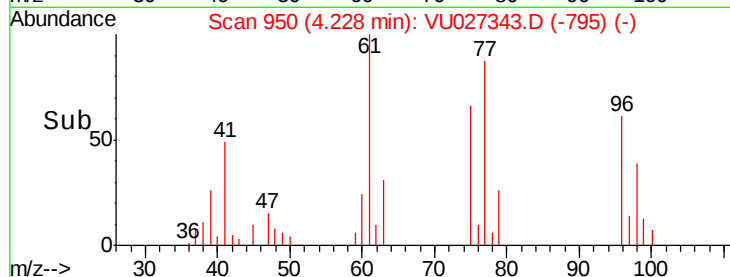
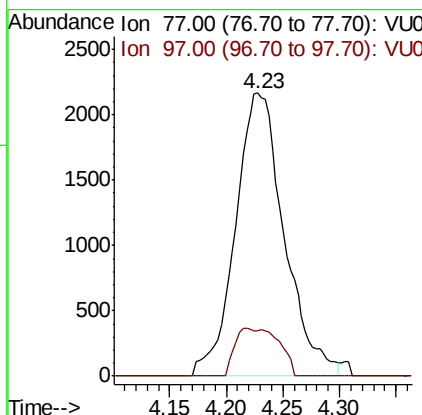
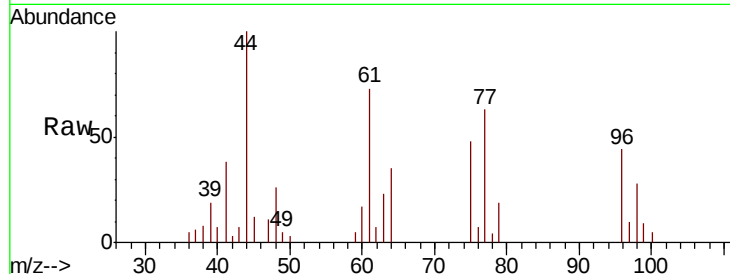
#21
2,2-Dichloropropane
Concen: 0.804 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 77 Resp: 6512
Ion Ratio Lower Upper
77 100
97 6.9 16.0 24.0#

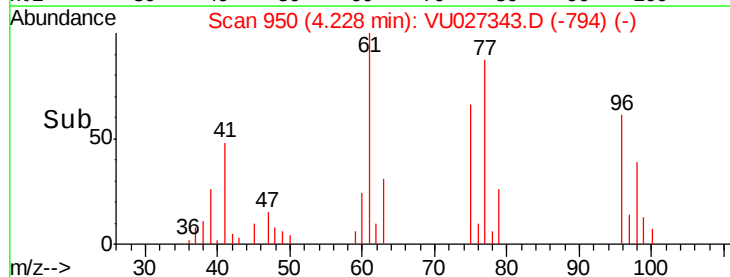
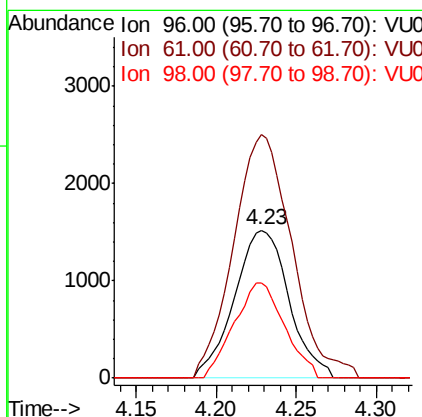
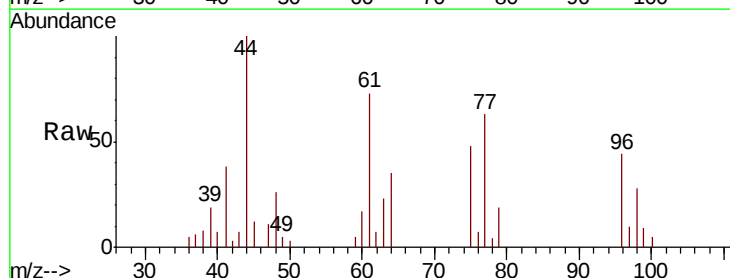
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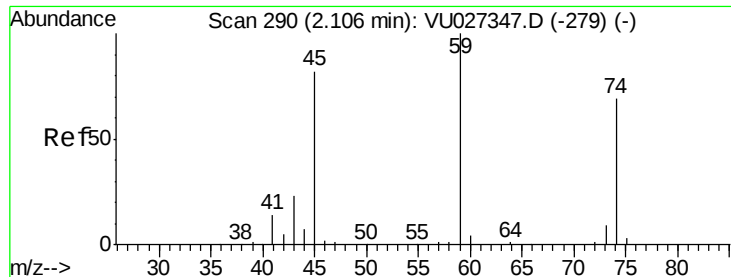
apatel
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#22
cis-1,2-Dichloroethene
Concen: 0.568 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion: 96 Resp: 3553
Ion Ratio Lower Upper
96 100
61 176.0 0.0 461.8
98 59.2 32.5 97.4





#23

Diethyl Ether

Concen: 0.628 ug/l

RT: 2.11 min Scan# 290

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

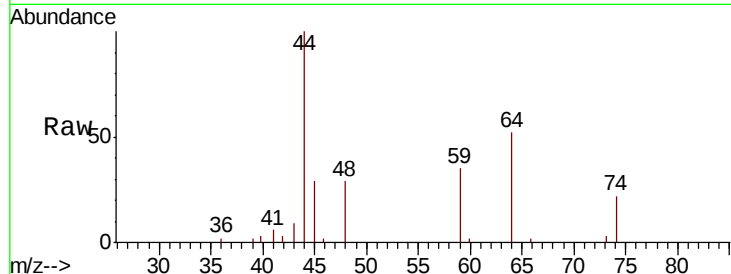
ClientSampleId :

VSTDIC0.5

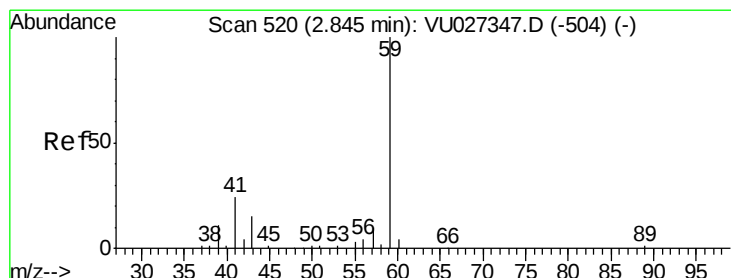
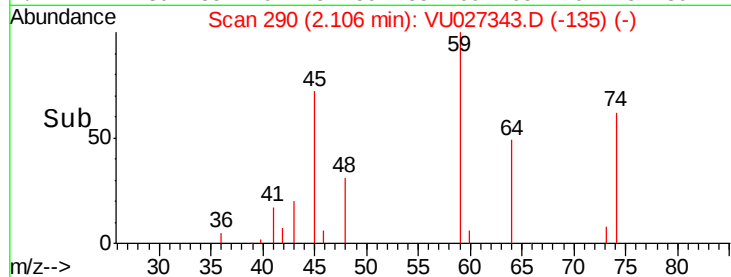
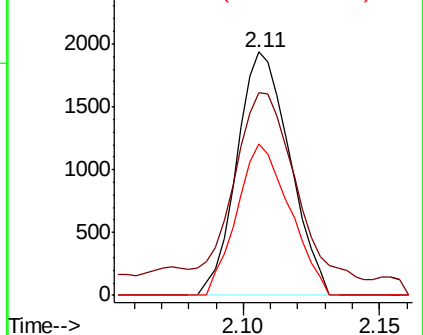
Tot Ion:	59	Resp:	2597
Ion	Ratio	Lower	Upper
59	100		
45	86.9	65.2	97.8
74	62.3	54.2	81.4

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Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



#24

tert-Butyl Alcohol

Concen: 6.406 ug/l

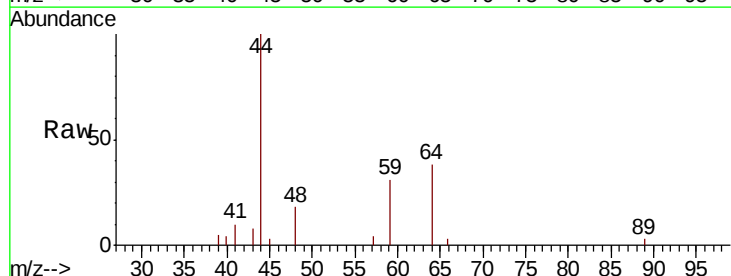
RT: 2.85 min Scan# 522

Delta R.T. 0.01 min

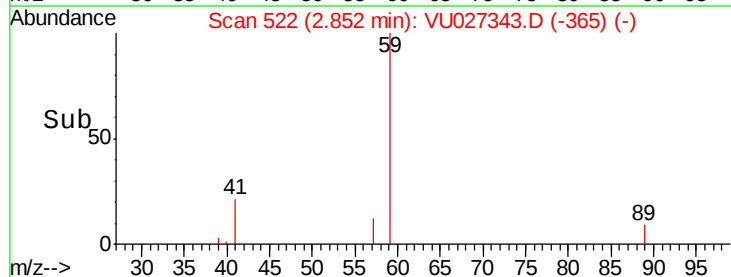
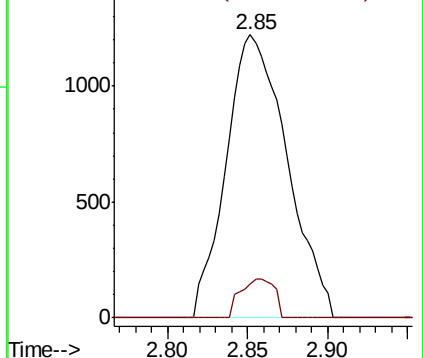
Lab File: VU027343.D

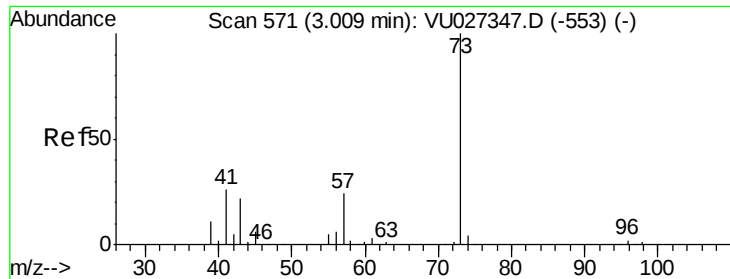
Acq: 02 Oct 2018 15:14

Tgt Ion:	59	Resp:	3190
Ion	Ratio	Lower	Upper
59	100		
57	7.5	8.2	12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#25

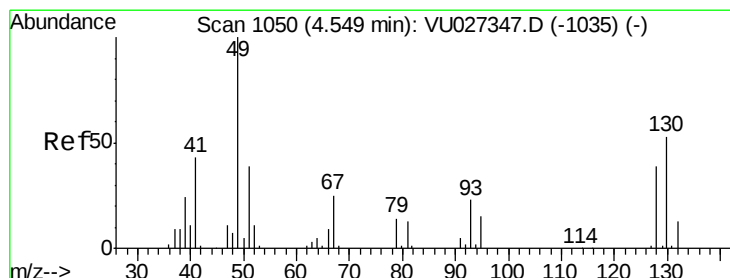
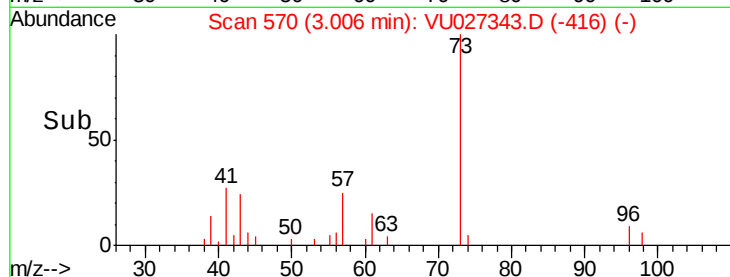
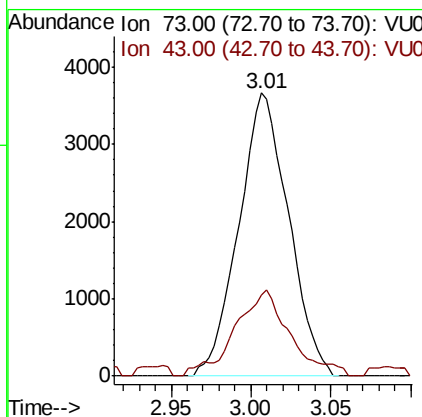
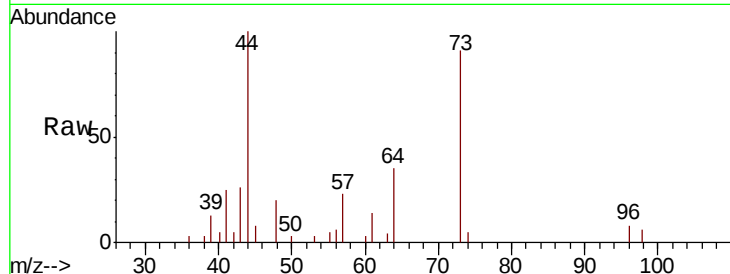
Methyl tert-Butyl Ether
Concen: 0.602 ug/l
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 73 Resp: 7810
Ion Ratio Lower Upper
73 100
43 33.7 17.6 26.4#

Manual Integrations
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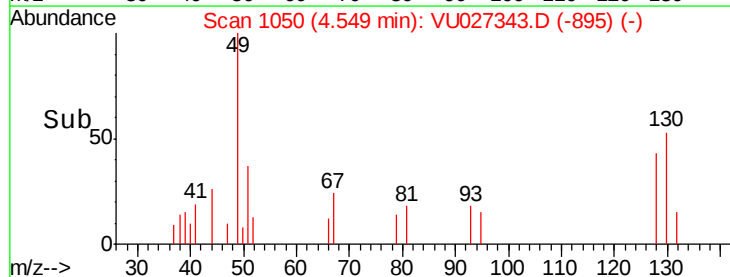
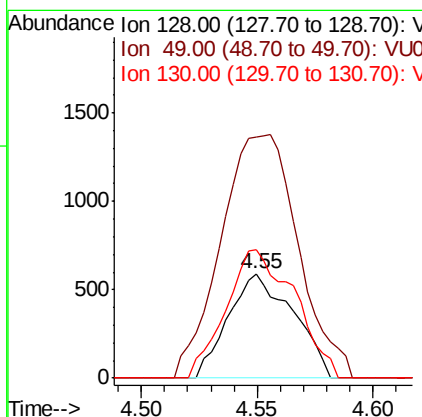
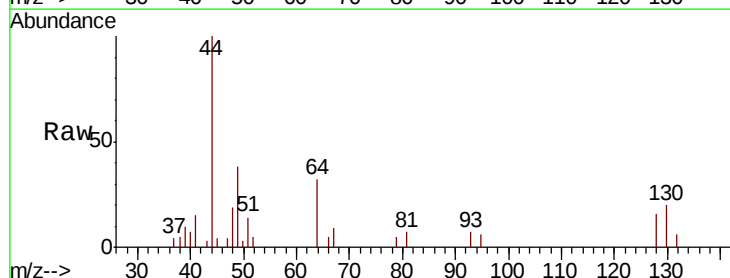
apatel
10/5/2018 11:56:12 AM

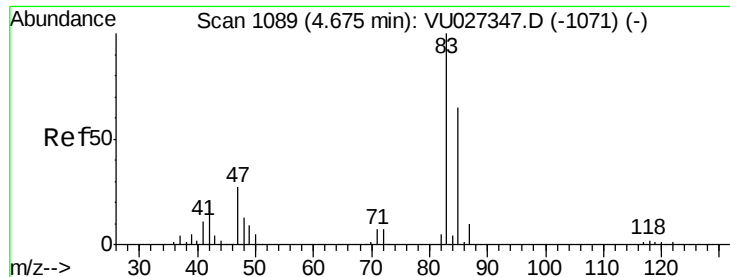


#26

Bromochloromethane
Concen: 0.435 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion: 128 Resp: 1150
Ion Ratio Lower Upper
128 100
49 277.4 0.0 498.8
130 129.7 103.8 155.8





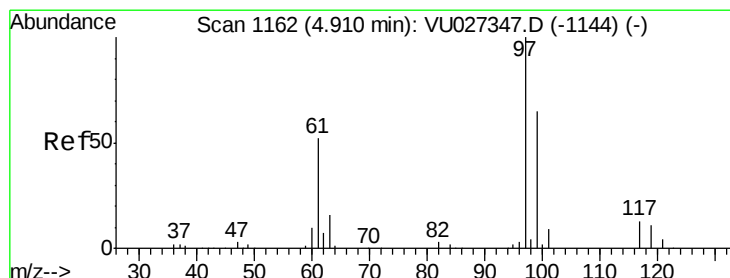
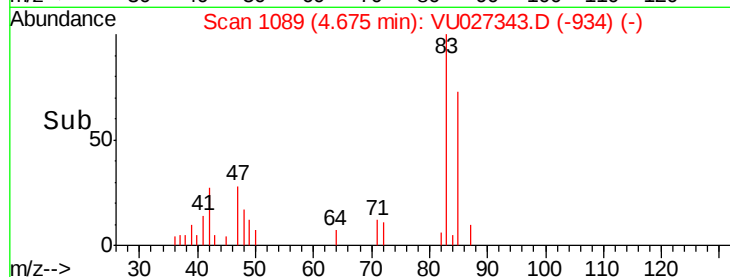
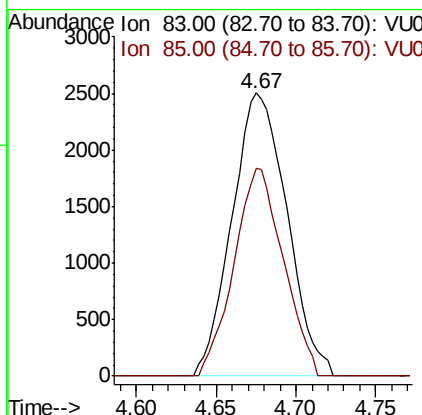
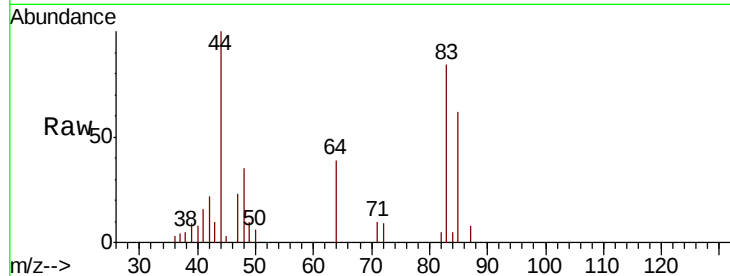
#27
Chloroform
Concen: 0.540 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 83 Resp: 5902
Ion Ratio Lower Upper
83 100
85 73.3 0.0 129.4

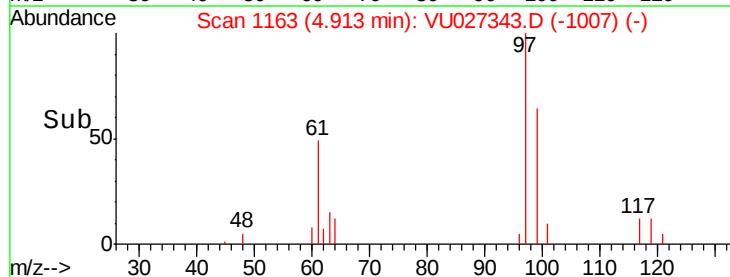
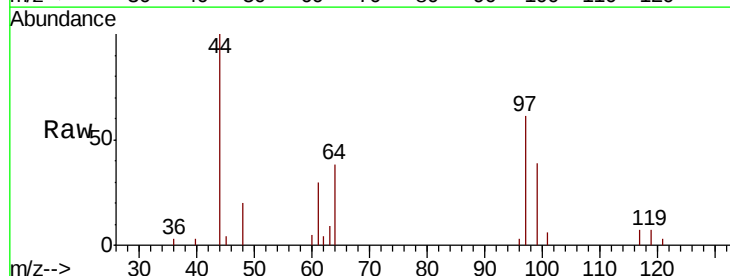
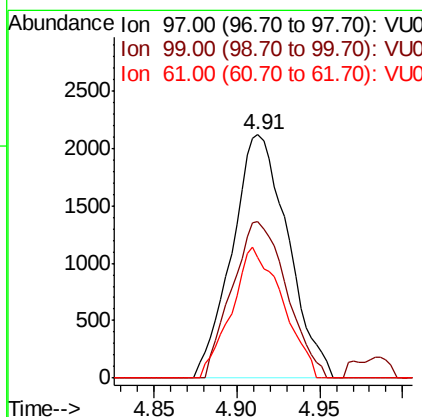
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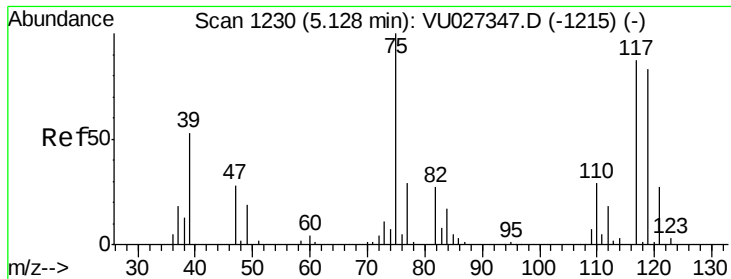
apatel
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#28
1,1,1-Trichloroethane
Concen: 0.581 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion: 97 Resp: 4967
Ion Ratio Lower Upper
97 100
99 62.8 31.9 95.9
61 48.9 25.7 77.1





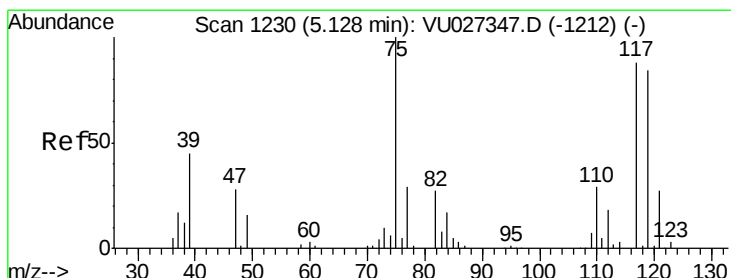
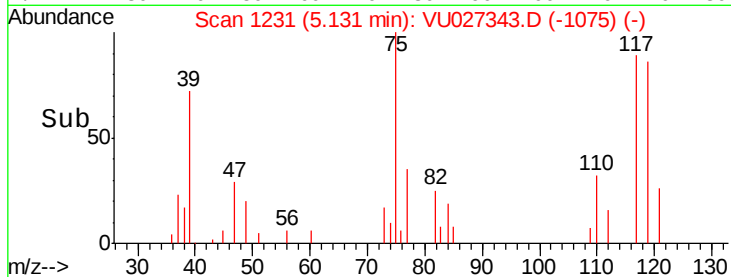
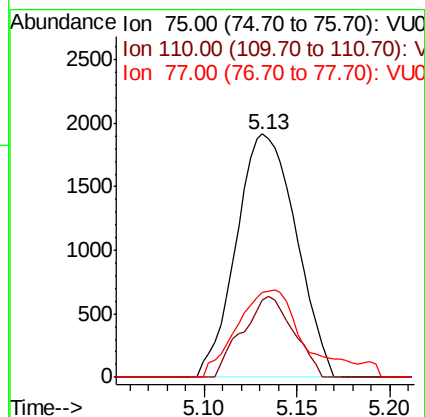
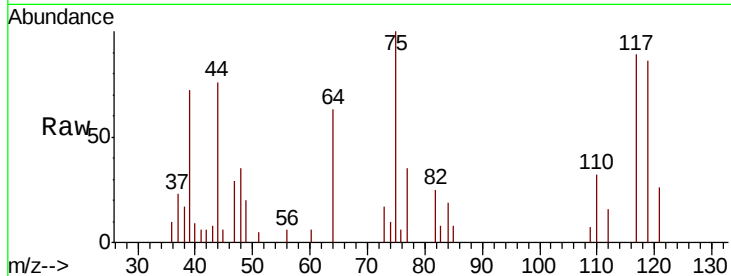
#29
 1,1-Dichloropropene
 Concen: 0.515 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
110	28.4	15.0	45.0
77	39.8	24.2	36.2

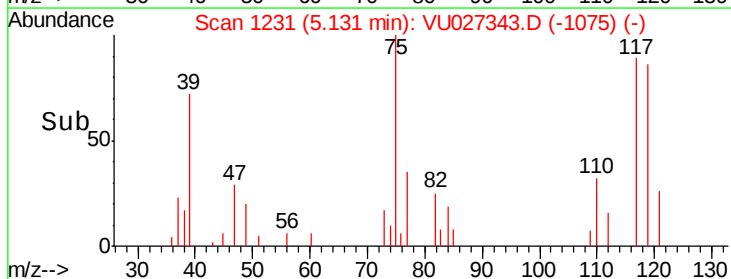
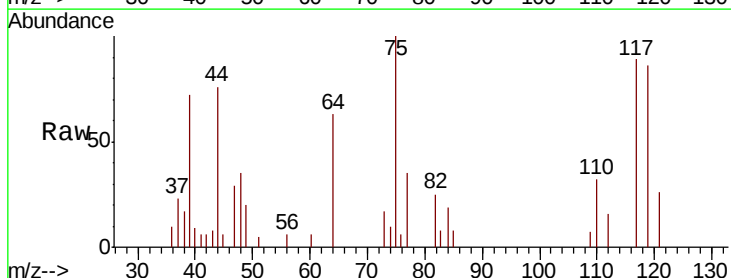
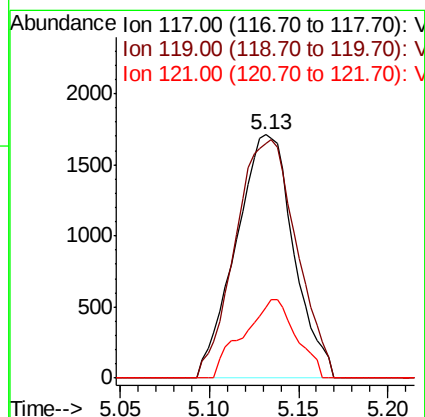
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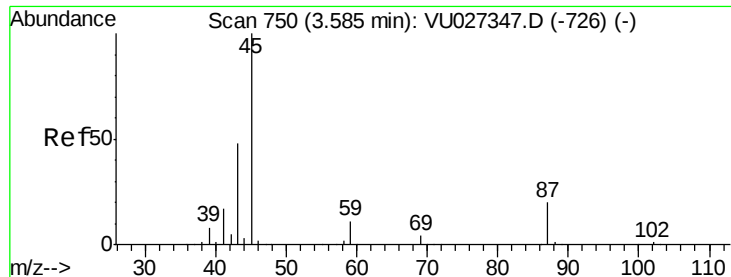
apatel
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#30
 Carbon Tetrachloride
 Concen: 0.543 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.9	113.9
121	29.1	24.6	37.0





#31

Isopropyl Ether

Concen: 0.705 ug/l

RT: 3.58 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 13405

Ion Ratio Lower Upper

45 100

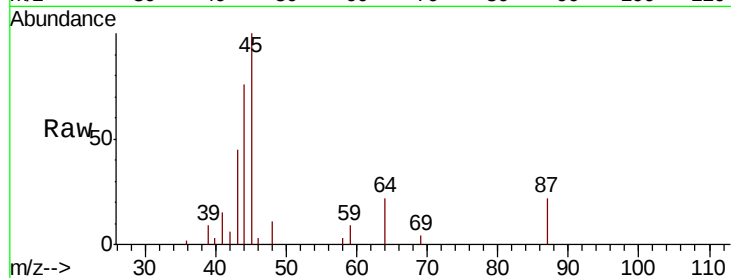
43 46.1 24.1 72.3

Manual Integrations

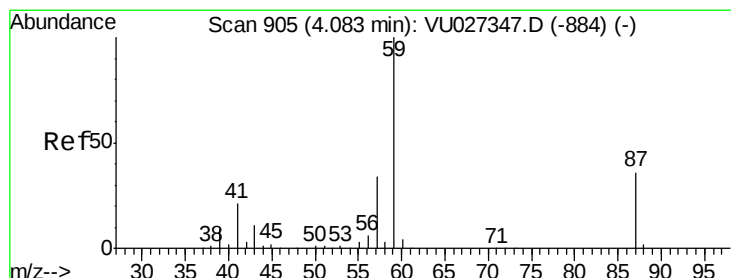
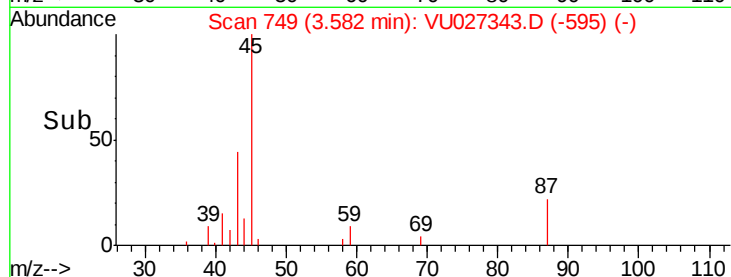
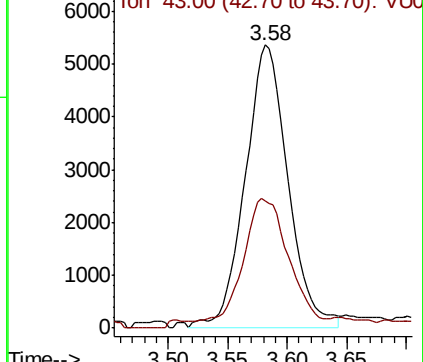
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Abundance Ion 45.00 (44.70 to 45.70): VU027343.D (-595) (-)



#32

Ethyl-t-butyl ether

Concen: 0.604 ug/l

RT: 4.08 min Scan# 905

Delta R.T. -0.00 min

Lab File: VU027343.D

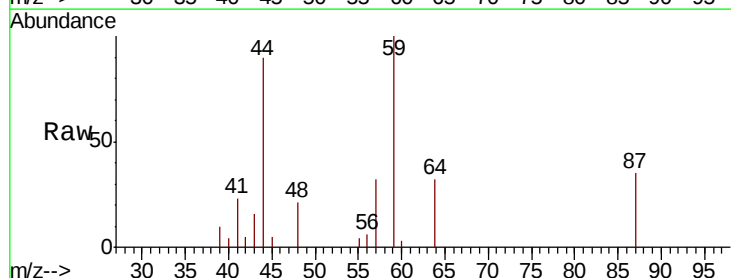
Acq: 02 Oct 2018 15:14

Tgt Ion: 59 Resp: 9735

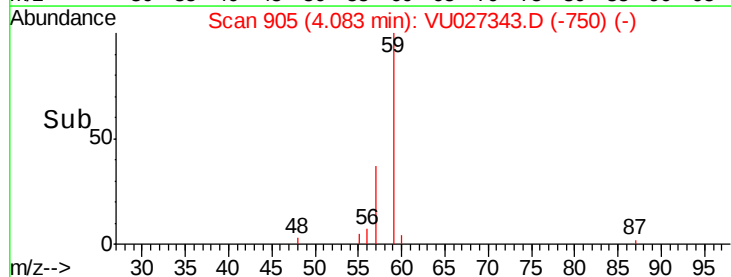
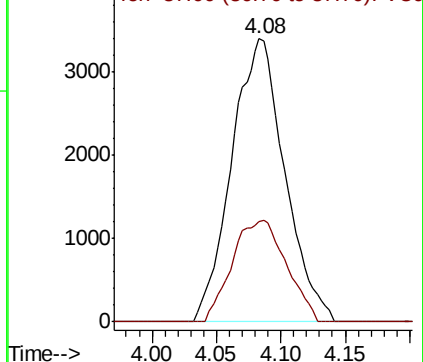
Ion Ratio Lower Upper

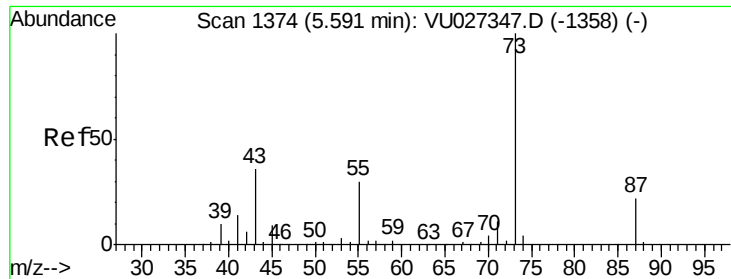
59 100

87 36.4 28.6 42.8



Abundance Ion 59.00 (58.70 to 59.70): VU027343.D (-750) (-)





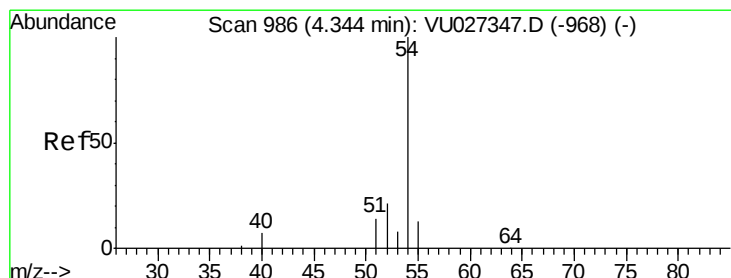
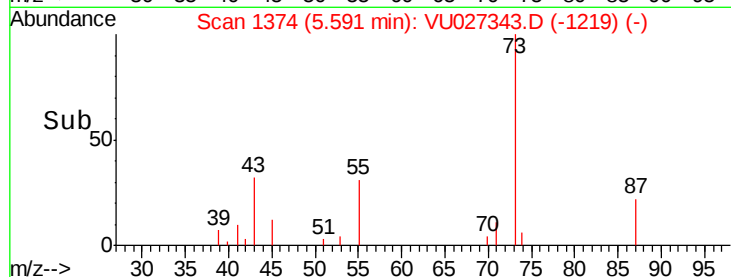
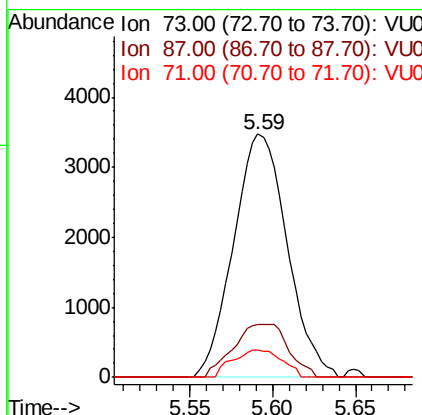
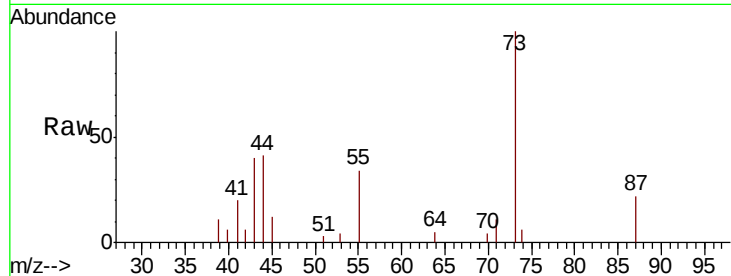
#33
Tert-Amvl methvl ether
Concen: 0.592 ug/l
RT: 5.59 min Scan# 1374
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.2	18.1	27.1
71	10.3	9.2	13.8

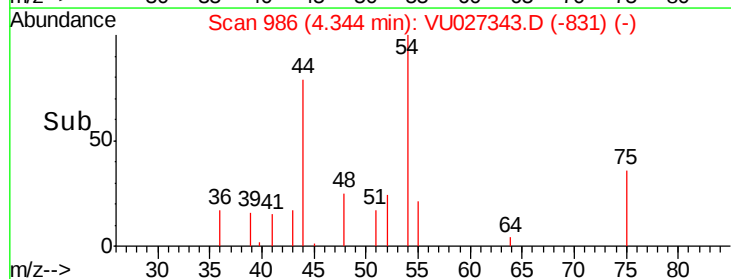
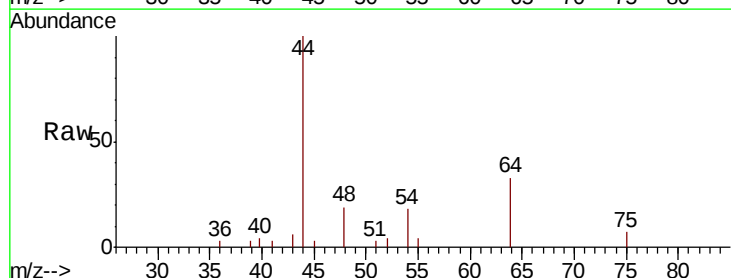
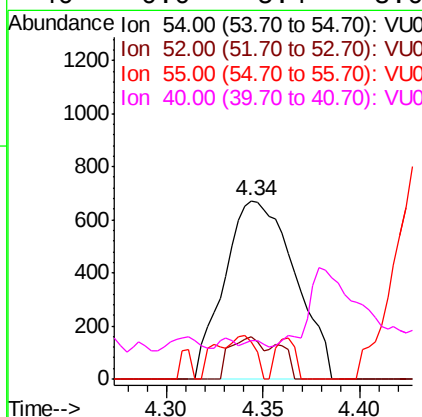
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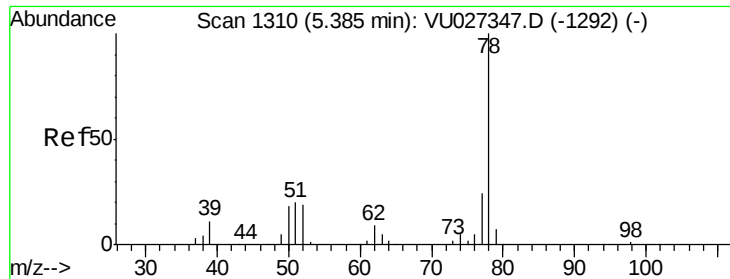
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#34
Propionitrile
Concen: 3.282 ug/l
RT: 4.34 min Scan# 986
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion	Ratio	Lower	Upper
54	100		
52	10.7	16.9	25.3#
55	8.0	13.9	20.9#
40	0.0	5.4	8.0#





#35

Benzene

Concen: 0.545 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 78 Resp: 13176

Ion Ratio Lower Upper

78 100

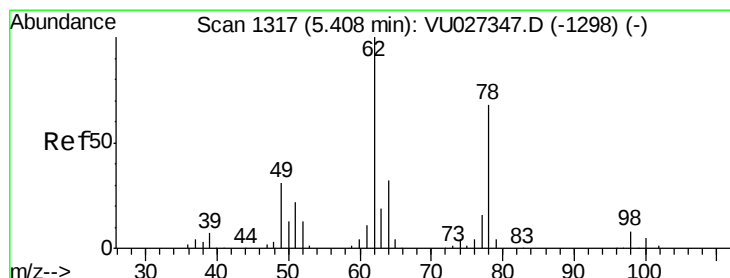
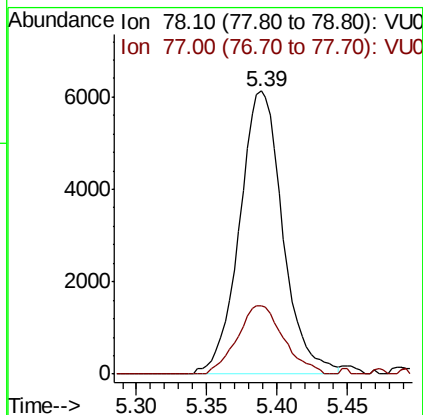
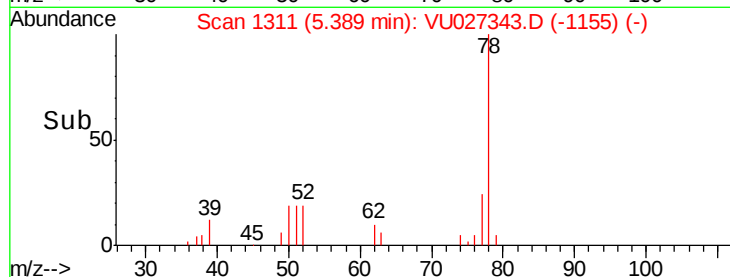
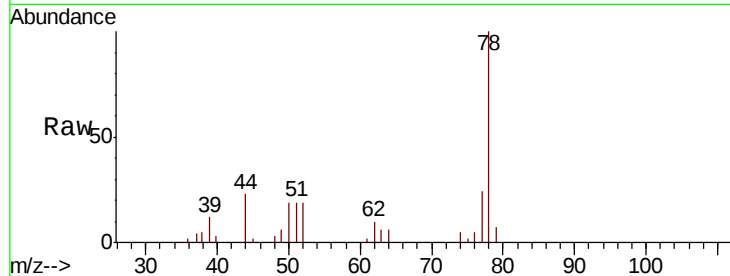
77 24.2 19.5 29.3

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#36

1,2-Dichloroethane

Concen: 0.588 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU027343.D

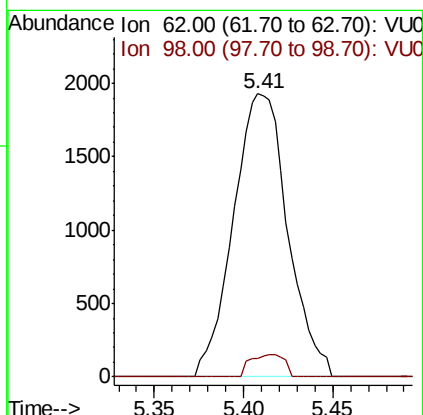
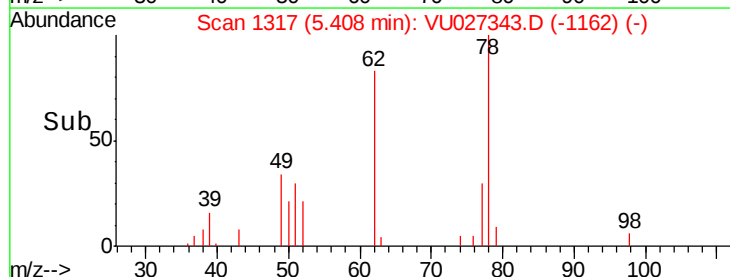
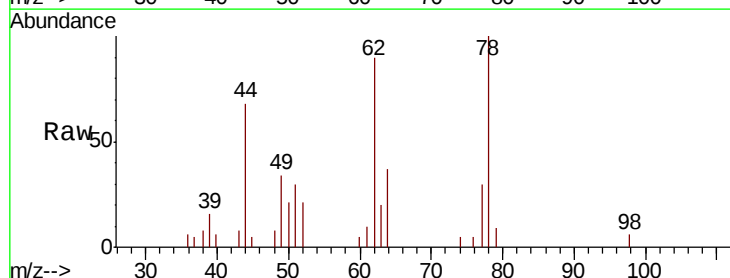
Acq: 02 Oct 2018 15:14

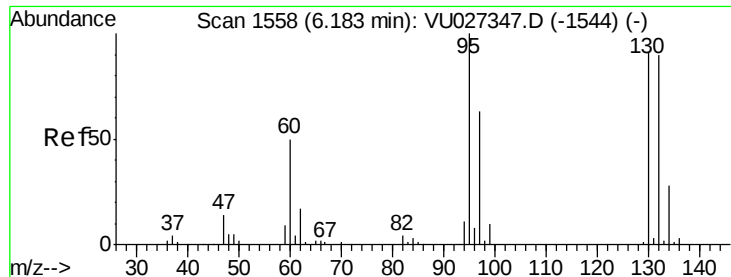
Tgt Ion: 62 Resp: 4097

Ion Ratio Lower Upper

62 100

98 5.0 6.2 9.2#





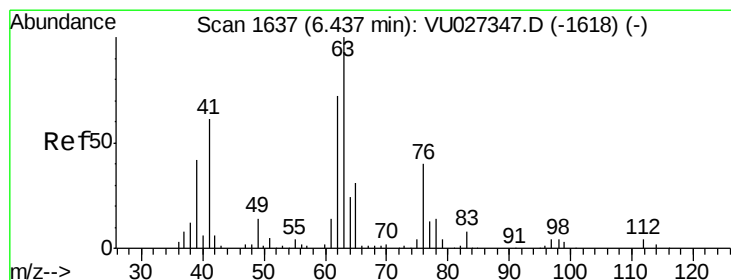
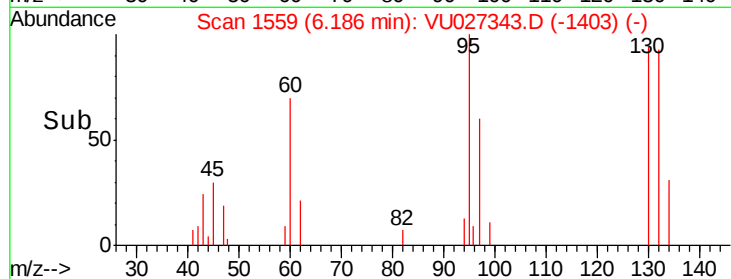
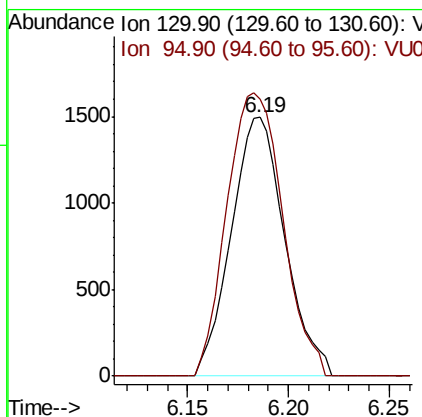
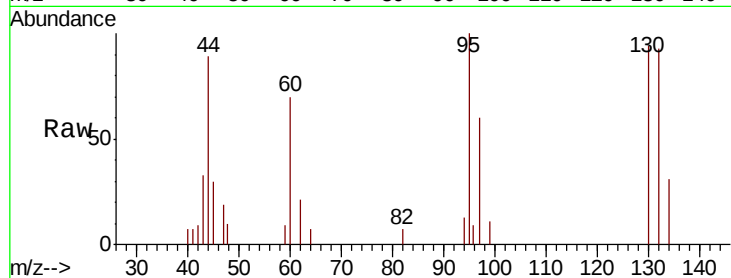
#37
 Trichloroethene
 Concen: 0.435 ug/l
 RT: 6.19 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:130 Resp: 2781
 Ion Ratio Lower Upper
 130 100
 95 106.9 87.6 131.4

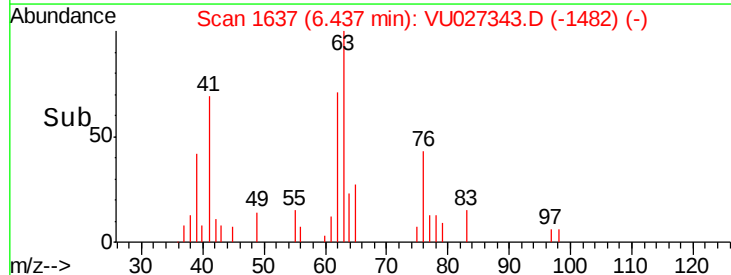
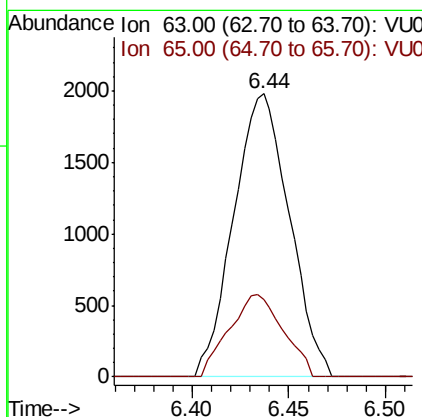
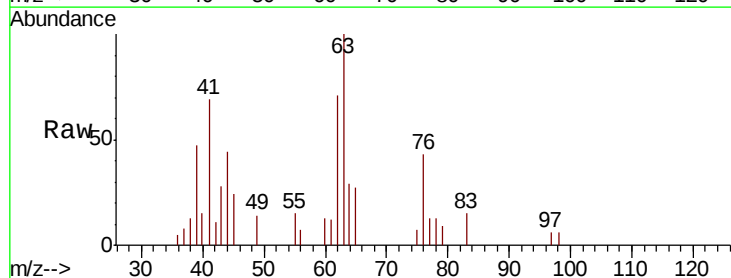
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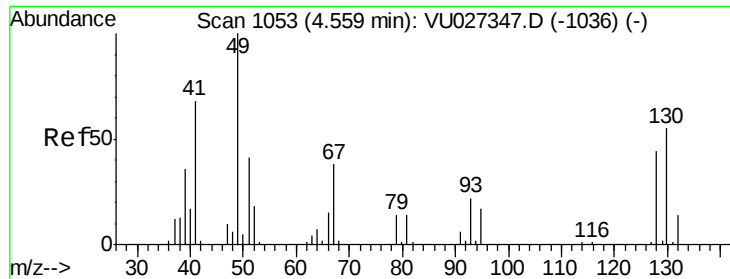
apatel
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#38
 1,2-Dichloropropane
 Concen: 0.617 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Tgt Ion: 63 Resp: 3968
 Ion Ratio Lower Upper
 63 100
 65 27.3 24.9 37.3





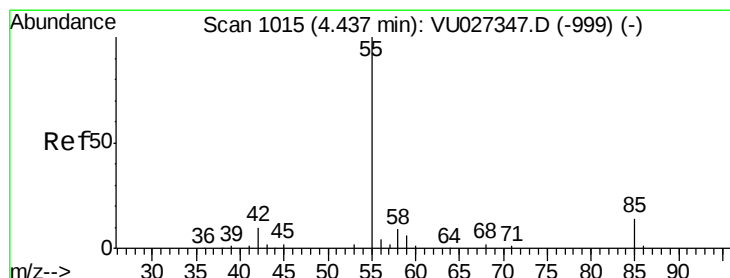
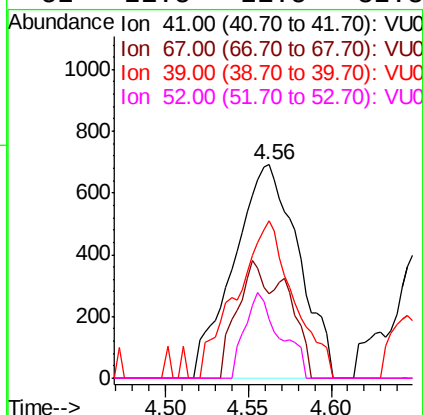
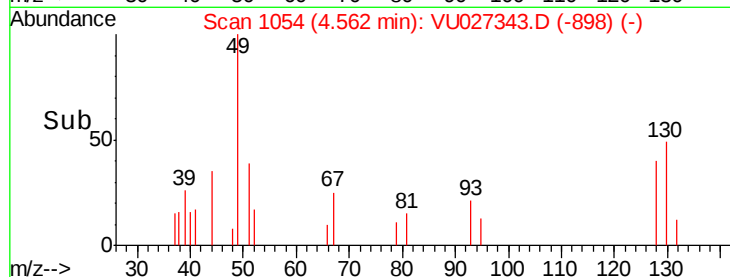
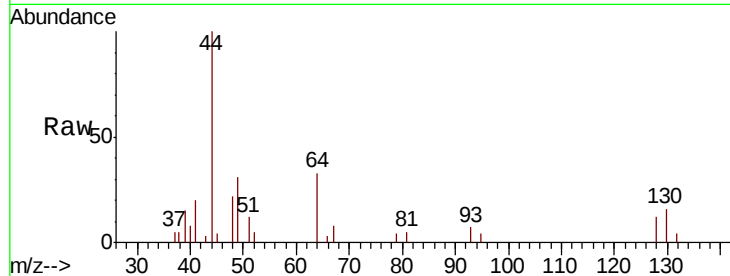
#39
Methacrylonitrile
Concen: 0.819 ug/l
RT: 4.56 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
67	25.0	46.2	69.2#
39	65.3	43.8	65.6
52	21.8	21.5	32.3

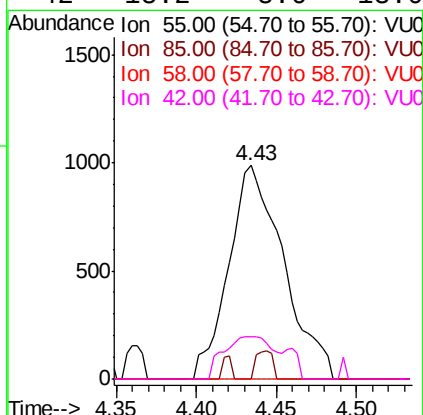
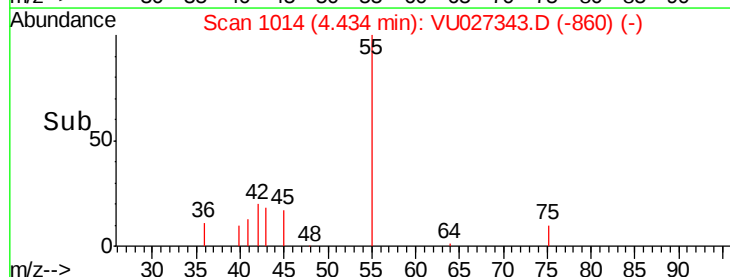
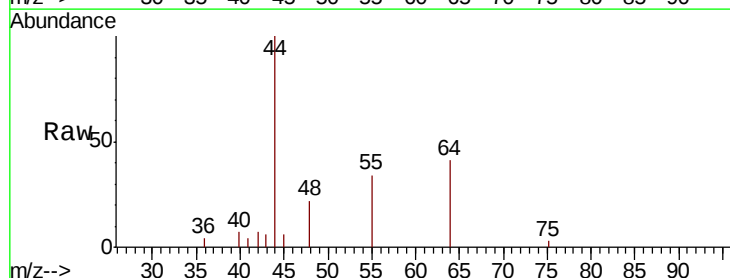
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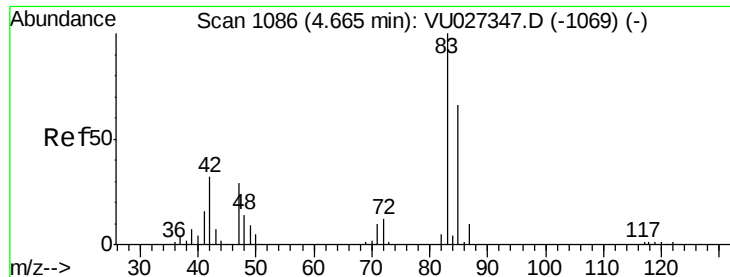
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#40
Methyl acrylate
Concen: 0.712 ug/l
RT: 4.43 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	11.8	17.8#
58	0.0	7.3	10.9#
42	18.2	8.6	13.0#





#41

Tetrahydrofuran

Concen: 1.878 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

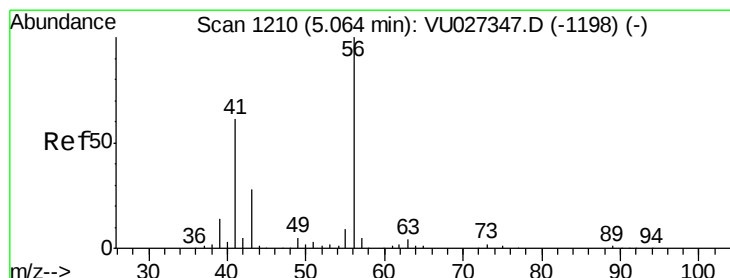
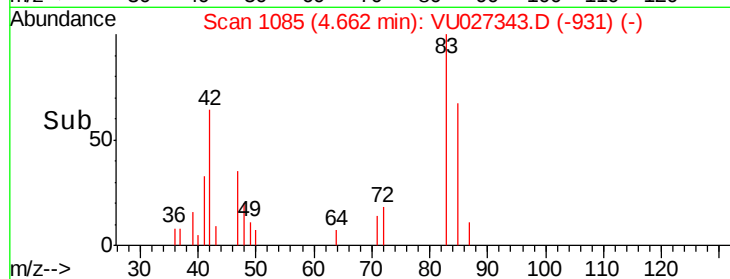
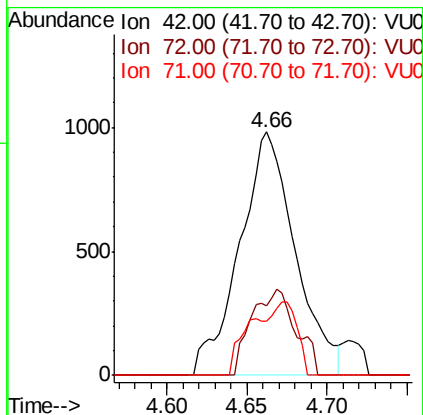
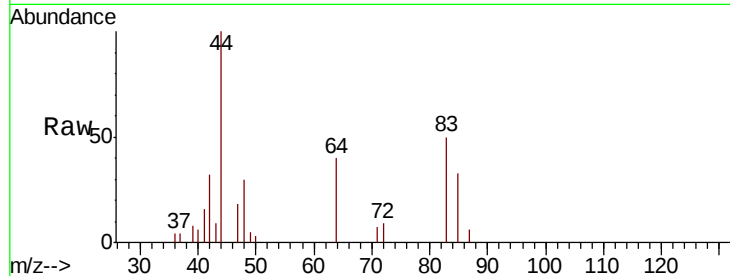
ClientSampleId :

VSTDIC0.5

Tot Ion:	42	Resp:	2357
Ion Ratio	Lower	Upper	
42	100		
72	28.0	29.2	43.8#
71	13.7	25.8	38.8#

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#42

1-Chlorobutane

Concen: 0.596 ug/l

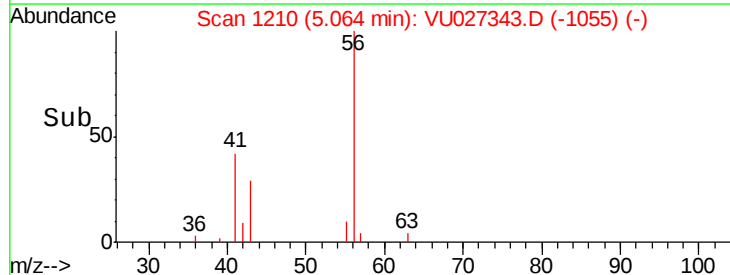
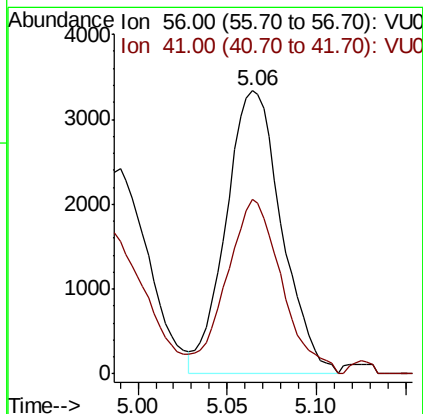
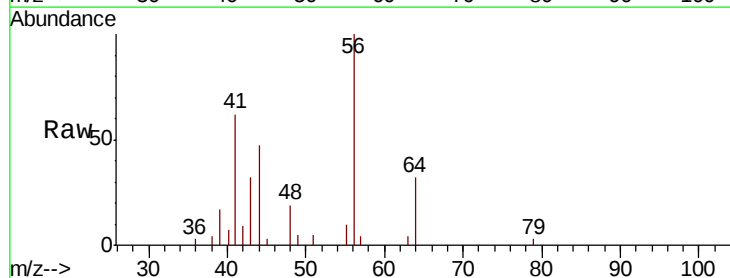
RT: 5.06 min Scan# 1210

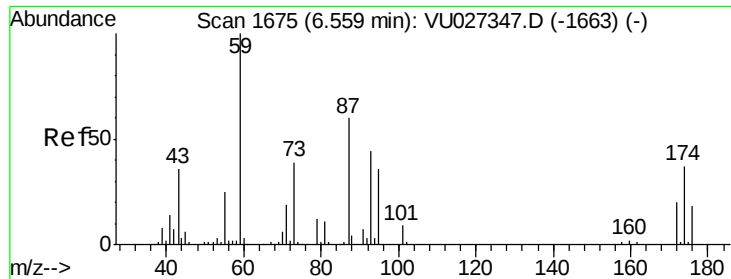
Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Tgt Ion:	56	Resp:	7272
Ion Ratio	Lower	Upper	
56	100		
41	61.0	28.7	86.3





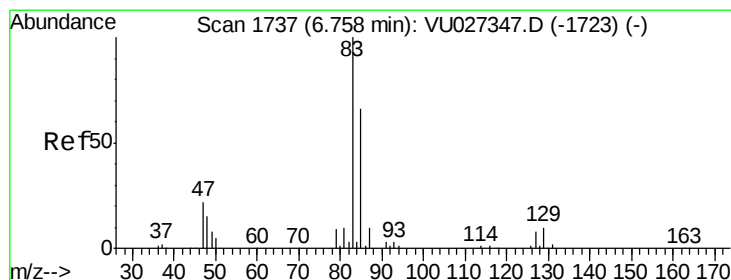
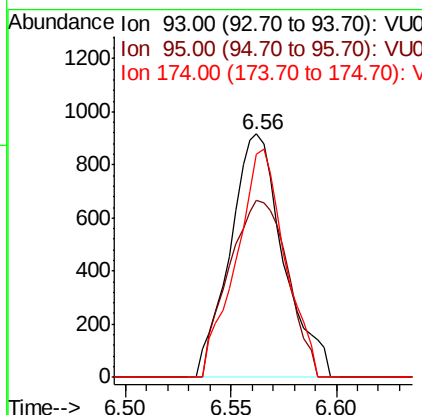
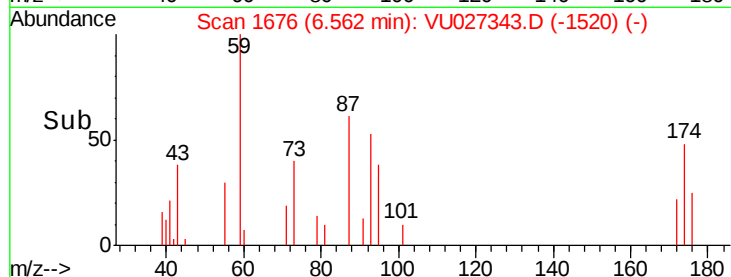
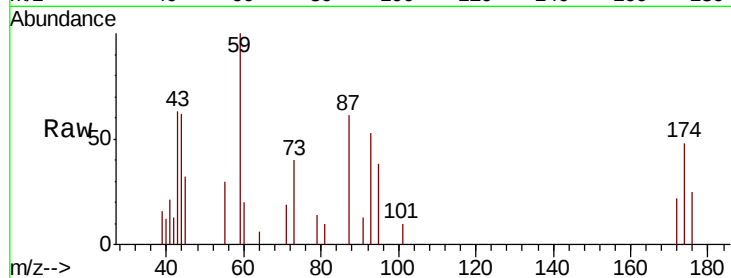
#43
Dibromomethane
Concen: 0.559 ug/l
RT: 6.56 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 93 Resp: 1613
Ion Ratio Lower Upper
93 100
95 80.0 64.7 97.1
174 85.4 68.2 102.4

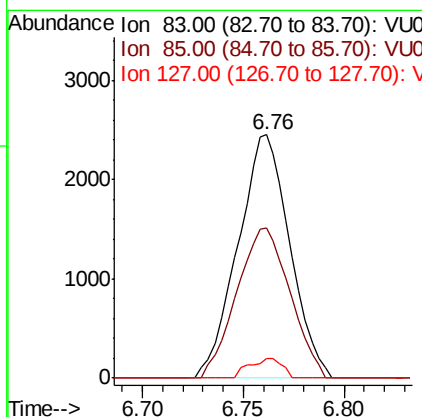
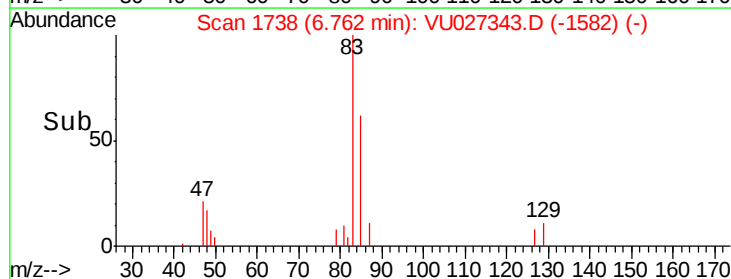
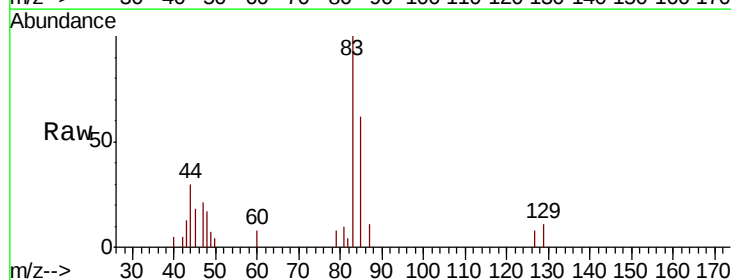
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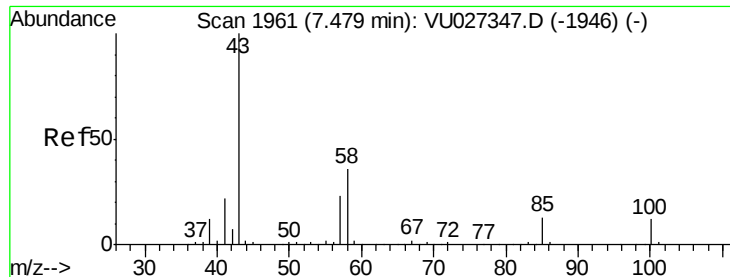
apatel
10/5/2018 11:56:12 AM



#44
Bromodichloromethane
Concen: 0.625 ug/l
RT: 6.76 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion: 83 Resp: 4394
Ion Ratio Lower Upper
83 100
85 61.5 52.6 79.0
127 7.8 6.2 9.2





#45

4-Methyl-2-Pentanone

Concen: 2.874 ug/l

RT: 7.48 min Scan# 1961

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

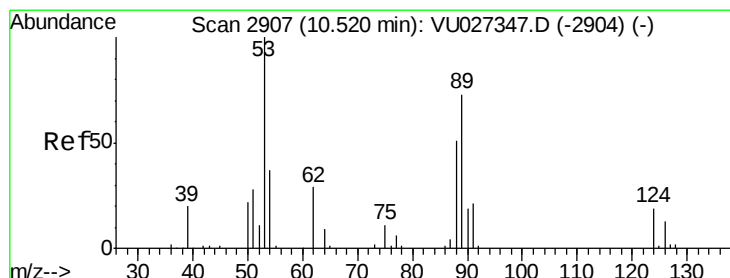
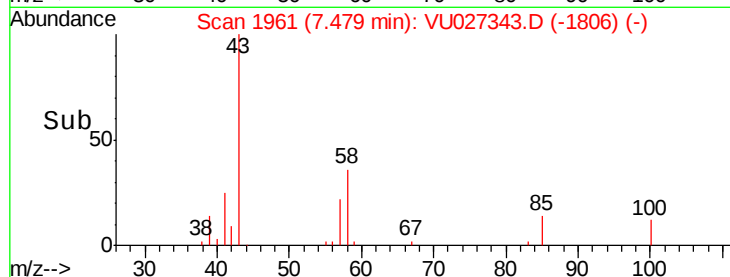
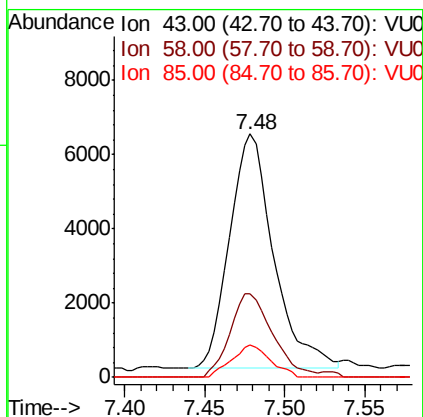
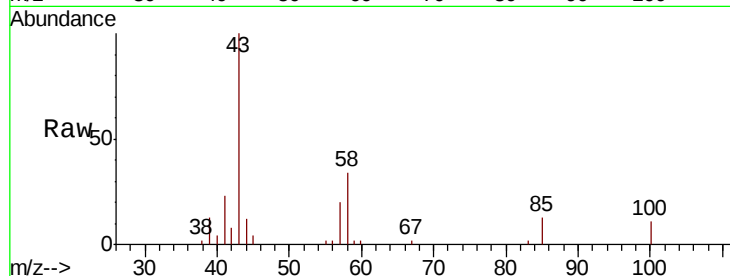
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	11891
Ion	Ratio	Lower	Upper
43	100		
58	34.3	17.9	53.8
85	12.0	10.6	16.0

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#46

t-1,4-Dichloro-2-butene

Concen: 1.309 ug/l m

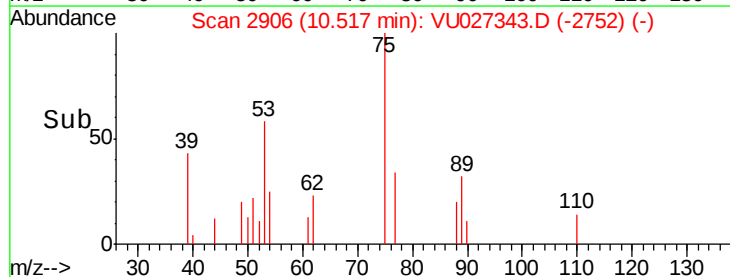
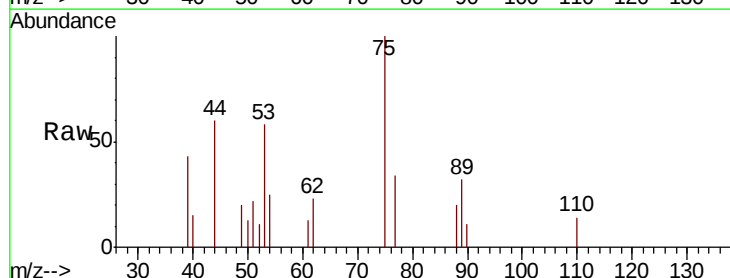
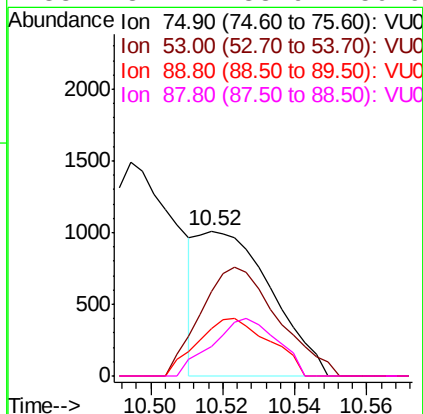
RT: 10.52 min Scan# 2906

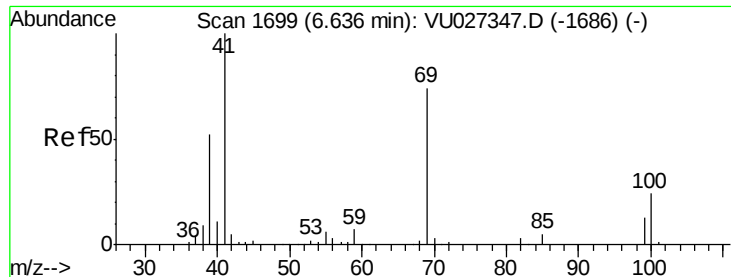
Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Tgt Ion:	75	Resp:	1425
Ion	Ratio	Lower	Upper
75	100		
53	78.5	75.7	113.5
89	38.9	42.6	64.0#
88	34.7	33.9	50.9





#47

Methyl methacrylate

Concen: 1.159 ug/l

RT: 6.64 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

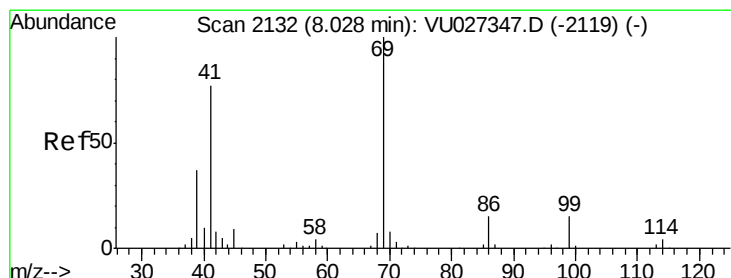
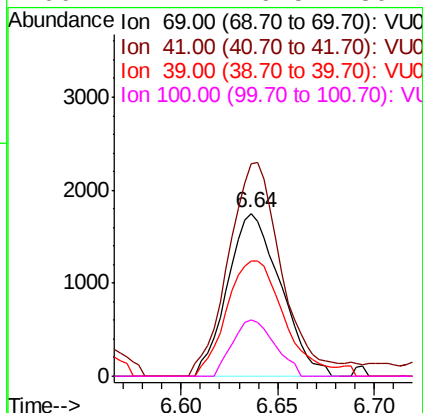
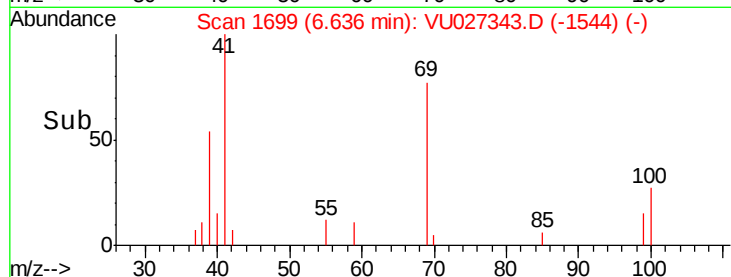
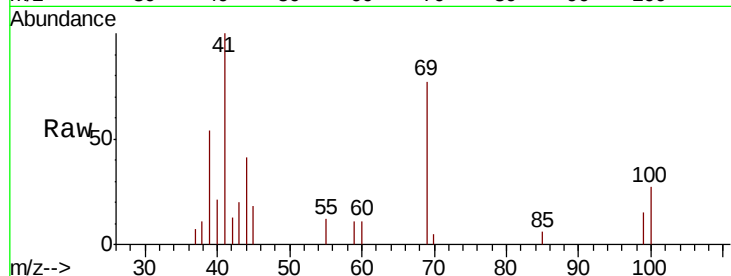
ClientSampleId :

VSTDIC0.5

Tot Ion:	69.00	Resp:	3330
Ion	Ratio	Lower	Upper
69	100		
41	131.3	0.0	272.2
39	76.2	56.4	84.6
100	27.7	26.5	39.7

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#48

Ethyl methacrylate

Concen: 0.496 ug/l

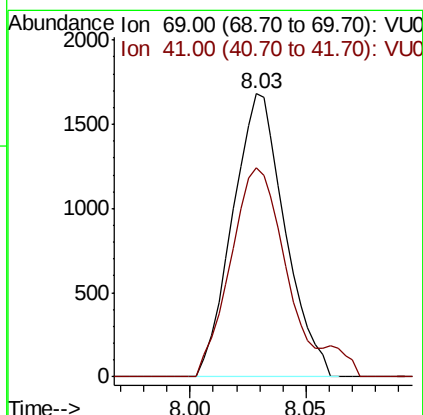
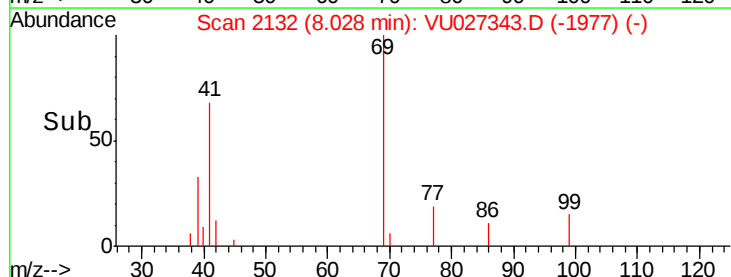
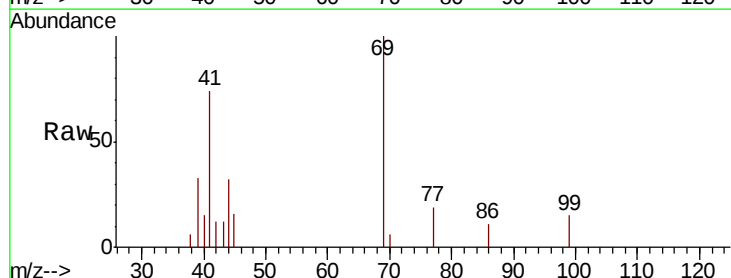
RT: 8.03 min Scan# 2132

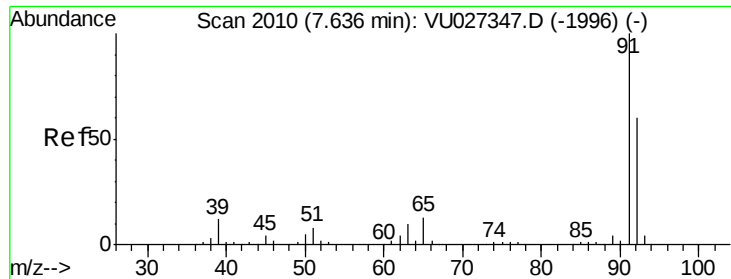
Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Tgt Ion:	69.00	Resp:	2635
Ion	Ratio	Lower	Upper
69	100		
41	81.9	38.9	116.7





#49

Toluene

Concen: 0.478 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 92 Resp: 6795

Ion Ratio Lower Upper

92 100

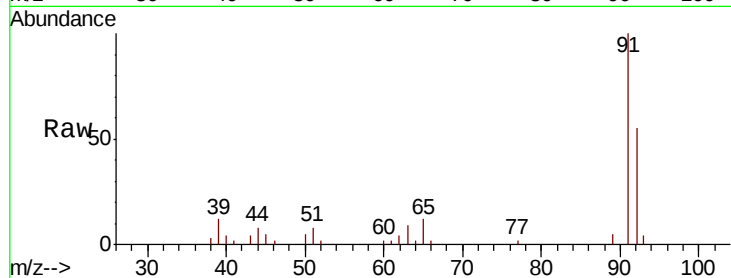
91 171.8 136.4 204.6

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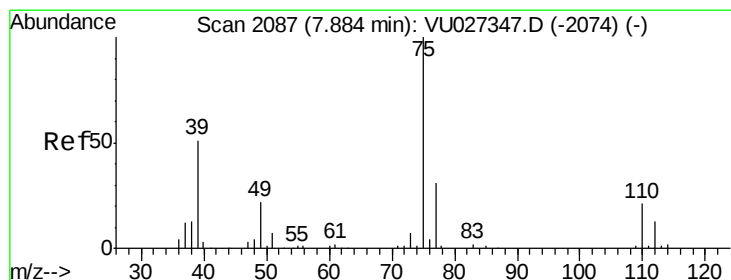
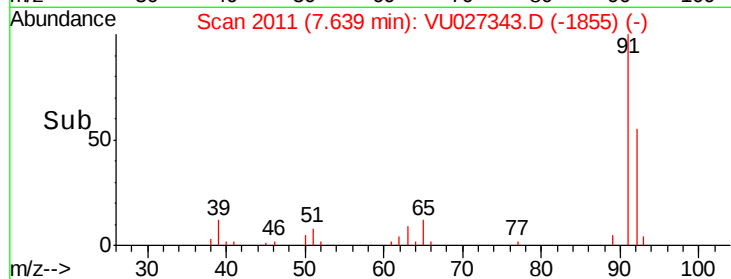
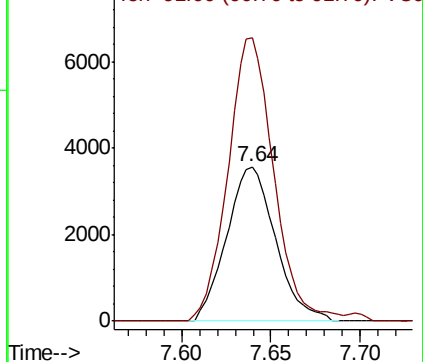
apatel

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Abundance Ion 92.00 (91.70 to 92.70): VU027347.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027347.D (-1996) (-)



#50

t-1,3-Dichloropropene

Concen: 0.599 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VU027343.D

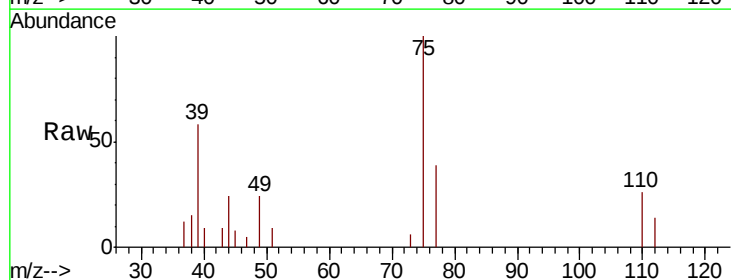
Acq: 02 Oct 2018 15:14

Tgt Ion: 75 Resp: 3646

Ion Ratio Lower Upper

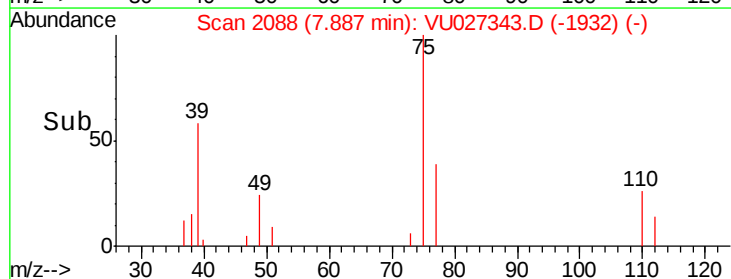
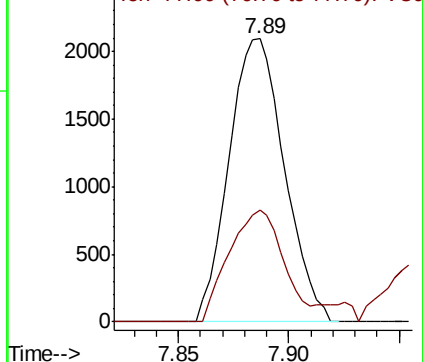
75 100

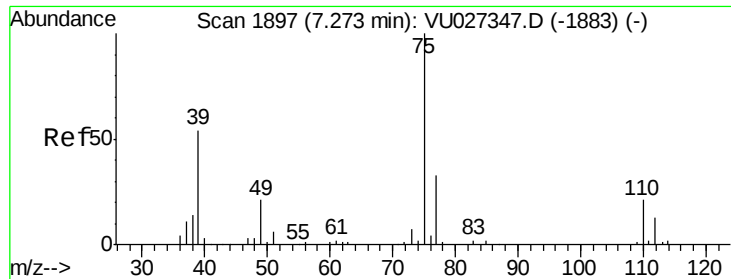
77 39.3 24.6 36.8#



Abundance Ion 75.00 (74.70 to 75.70): VU027347.D (-2074) (-)

Ion 77.00 (76.70 to 77.70): VU027347.D (-2074) (-)





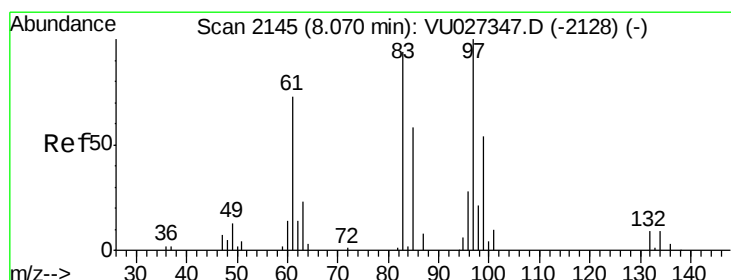
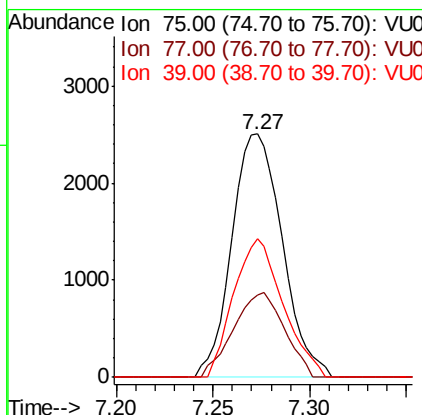
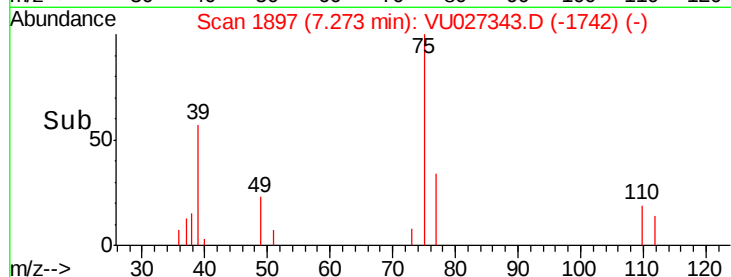
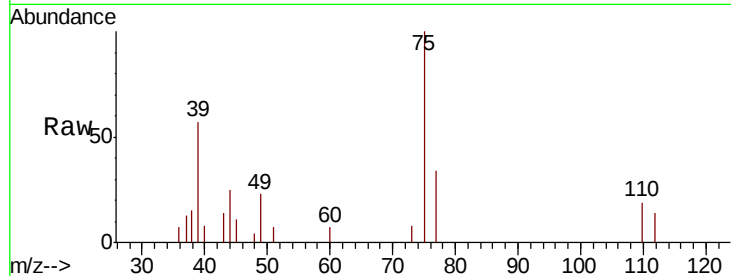
#51
 cis-1,3-Dichloropropene
 Concen: 0.591 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. -0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.9	26.1	39.1
39	56.7	43.1	64.7

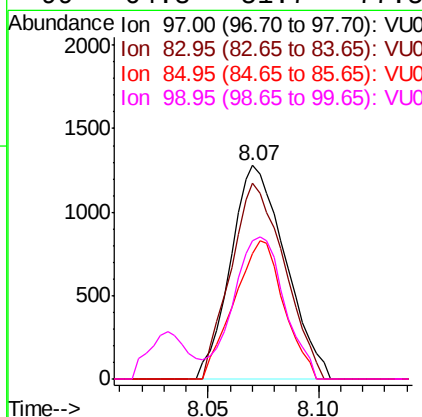
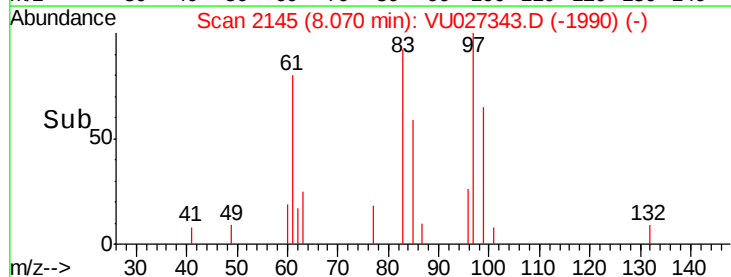
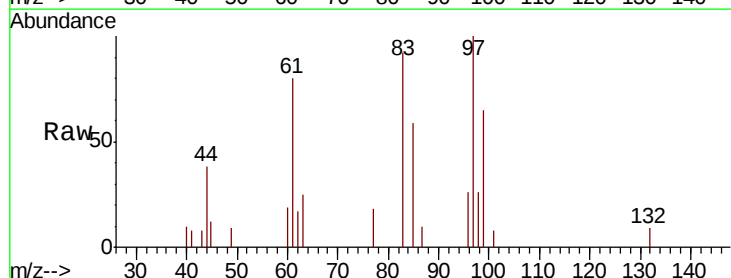
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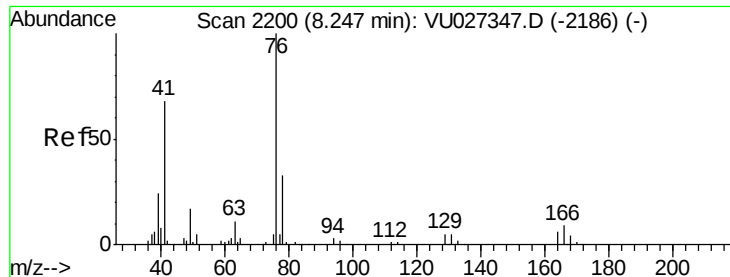
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#52
 1,1,2-Trichloroethane
 Concen: 0.513 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.0	75.3	112.9
85	58.8	47.3	70.9
99	64.8	51.7	77.5





#53

1,3-Dichloropropane

Concen: 0.560 ug/l

RT: 8.25 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 76 Resp: 4274

Ion Ratio Lower Upper

76 100

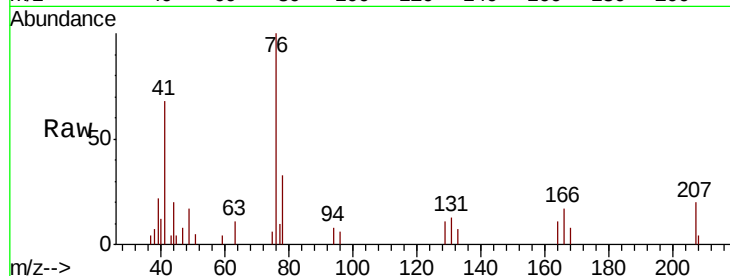
78 32.4 25.7 38.5

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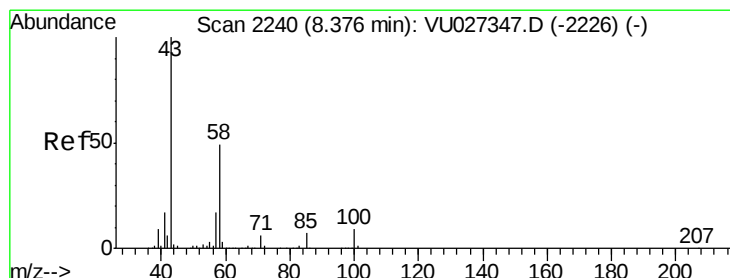
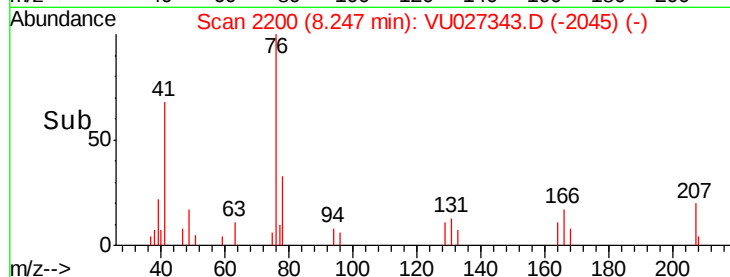
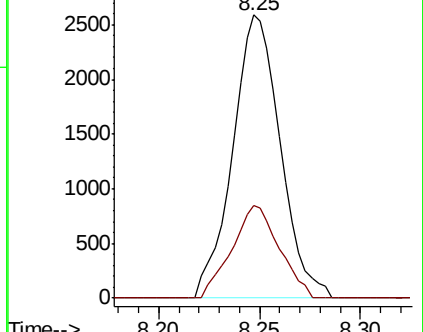
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VU027343.D (-2045) (-)

Ion 78.00 (77.70 to 78.70): VU027343.D (-2045) (-)



#54

2-Hexanone

Concen: 2.898 ug/l

RT: 8.38 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

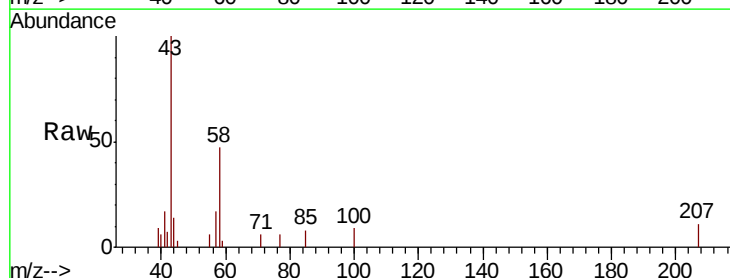
Tgt Ion: 43 Resp: 8285

Ion Ratio Lower Upper

43 100

58 42.3 29.5 69.5

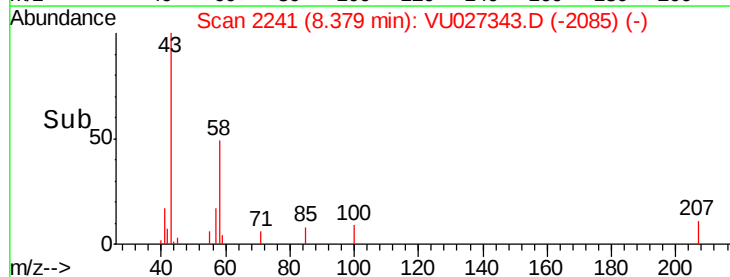
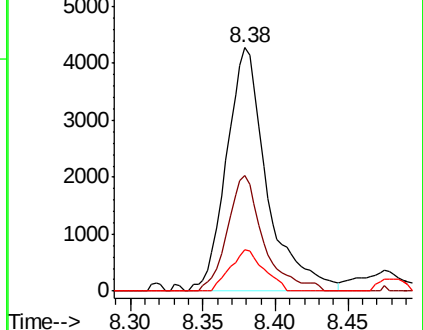
57 14.2 0.0 37.0

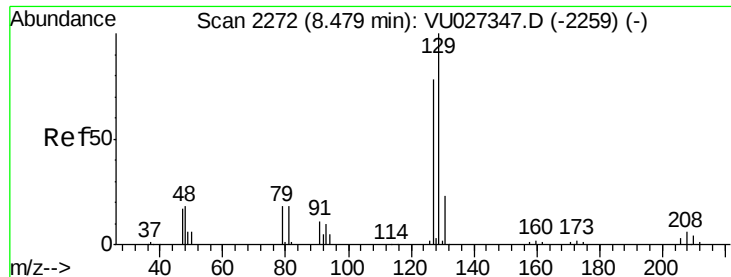


Abundance Ion 43.00 (42.70 to 43.70): VU027343.D (-2085) (-)

Ion 58.00 (57.70 to 58.70): VU027343.D (-2085) (-)

Ion 57.00 (56.70 to 57.70): VU027343.D (-2085) (-)





#55

Dibromochloromethane

Concen: 0.541 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:129 Resp: 2270

Ion Ratio Lower Upper

129 100

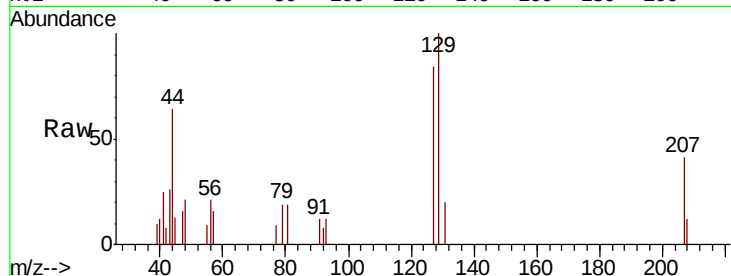
127 80.7 61.8 92.8

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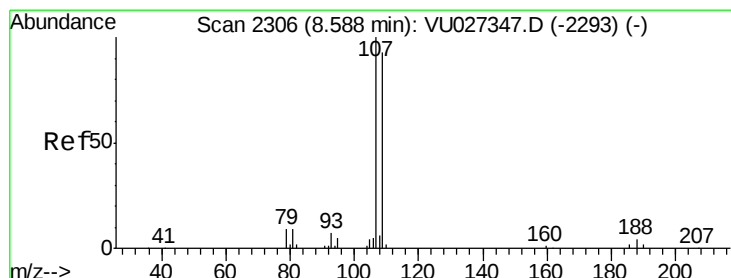
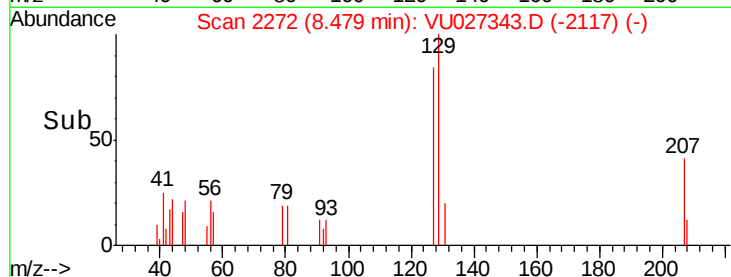
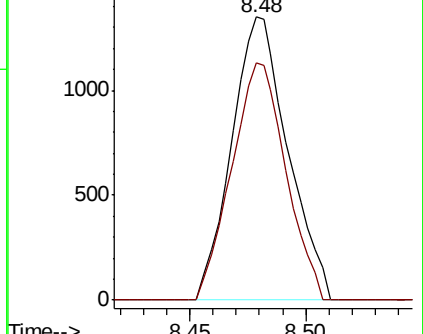
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.512 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027343.D

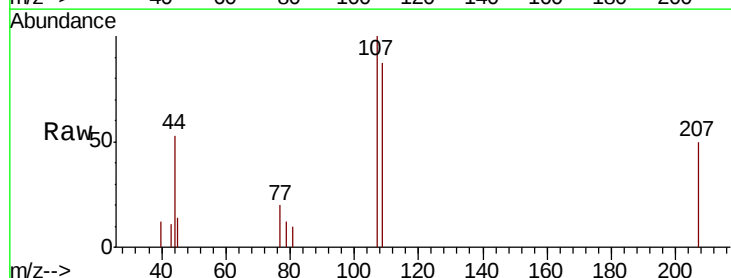
Acq: 02 Oct 2018 15:14

Tgt Ion:107 Resp: 1962

Ion Ratio Lower Upper

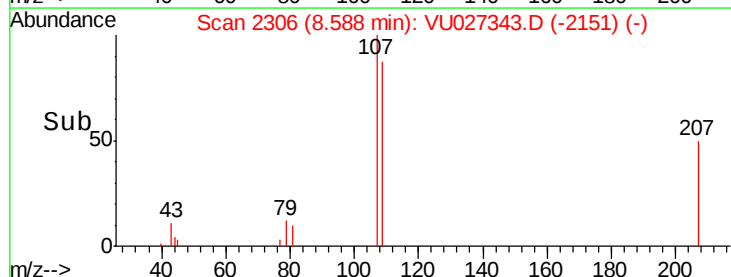
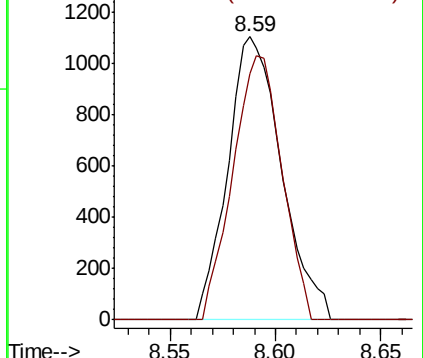
107 100

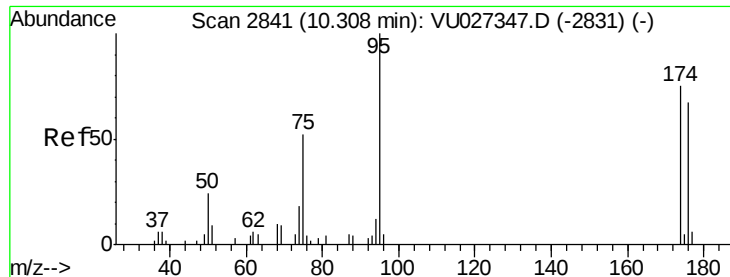
109 84.8 0.0 191.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





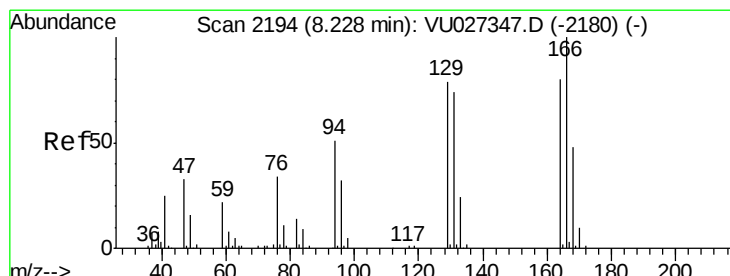
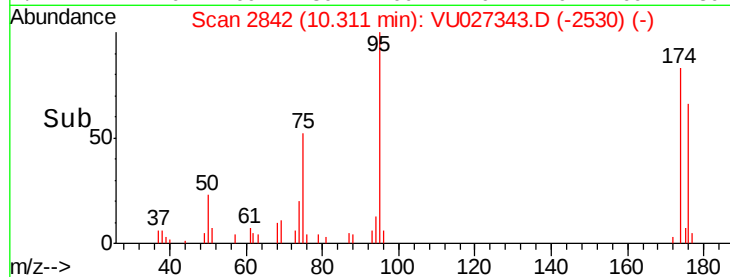
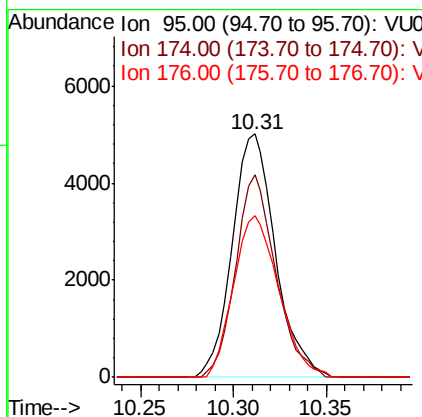
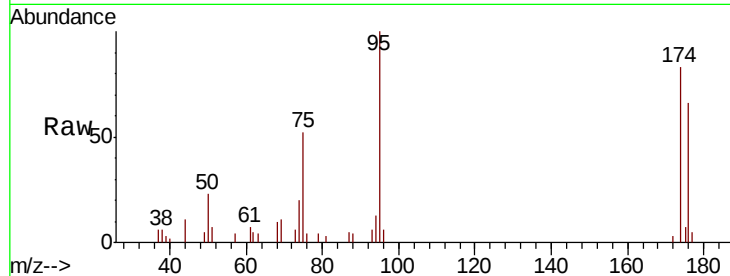
#57
4-Bromofluorobenzene
Concen: 0.512 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	95	Resp:	8095
Ion Ratio	Lower	Upper	
95	100		
174	77.4	61.0	91.6
176	69.3	57.2	85.8

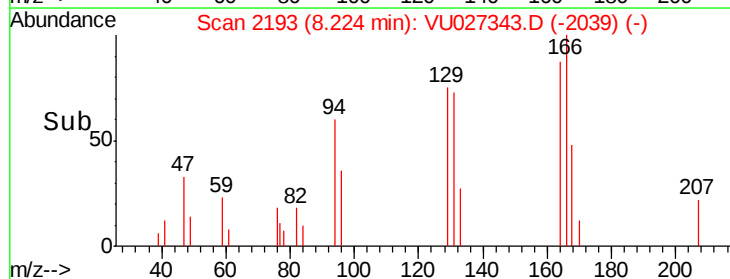
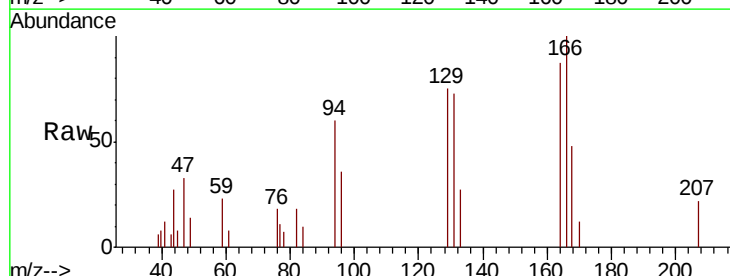
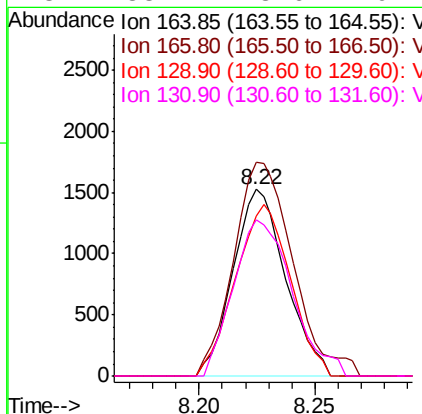
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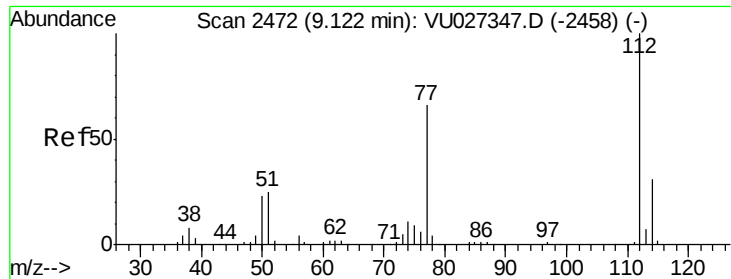
apatel
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#58
Tetrachloroethene
Concen: 0.357 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion:	164	Resp:	2406
Ion Ratio	Lower	Upper	
164	100		
166	114.5	99.9	149.9
129	86.0	78.6	117.8
131	83.7	73.6	110.4





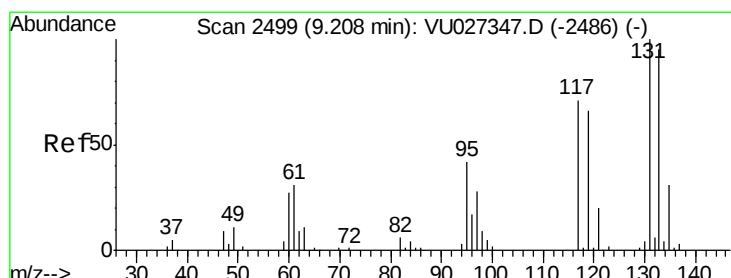
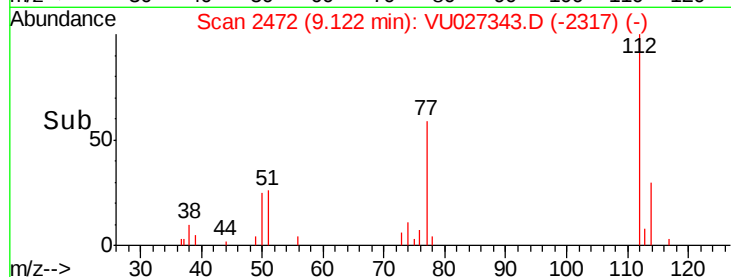
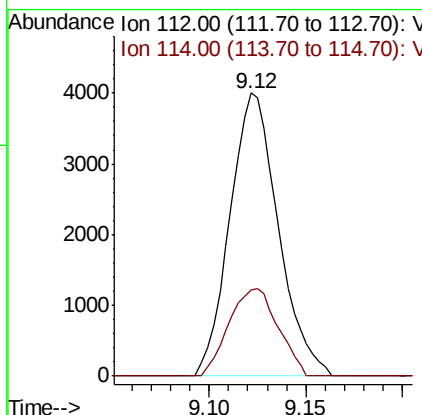
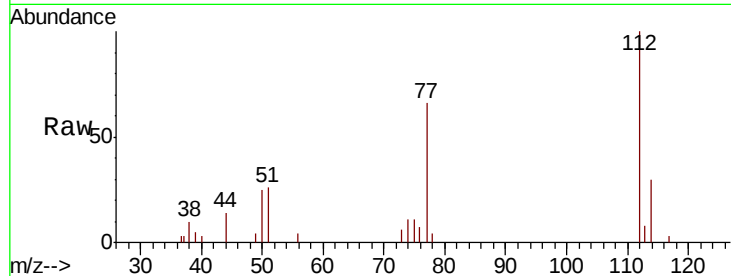
#59
Chlorobenzene
Concen: 0.458 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:112 Resp: 6962
Ion Ratio Lower Upper
112 100
114 30.3 25.0 37.4

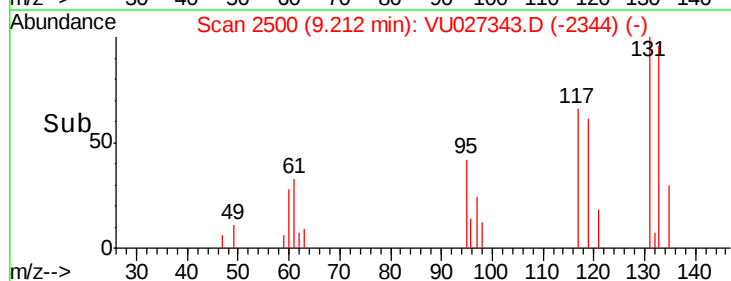
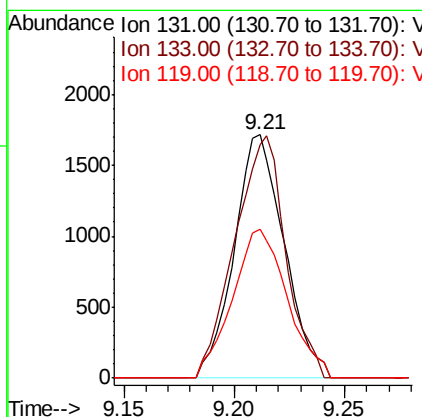
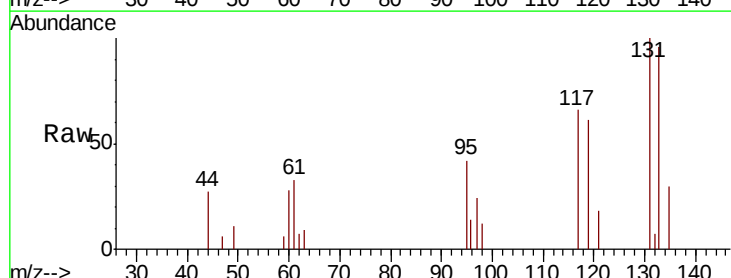
Manual Integrations
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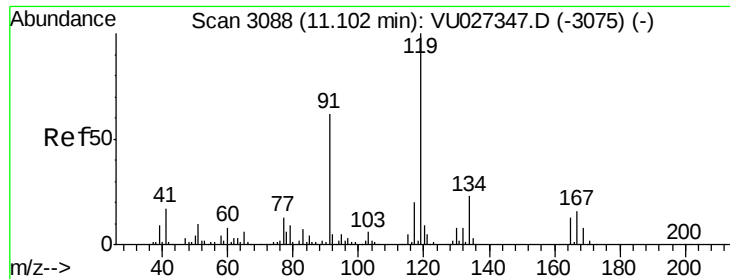
apatel
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.526 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion:131 Resp: 2705
Ion Ratio Lower Upper
131 100
133 101.2 77.1 115.7
119 67.0 53.6 80.4





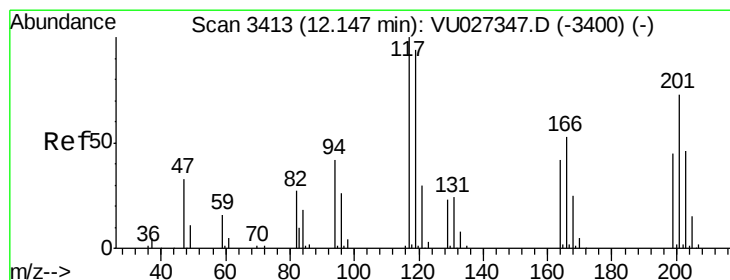
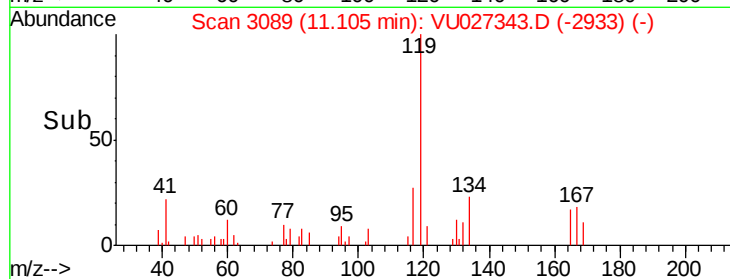
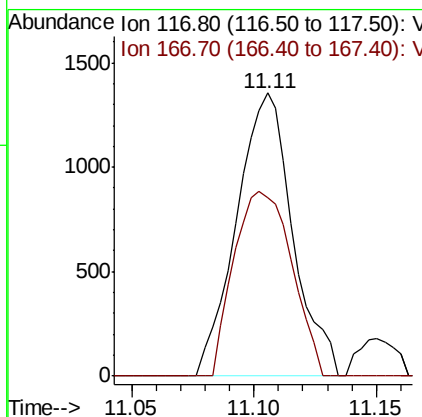
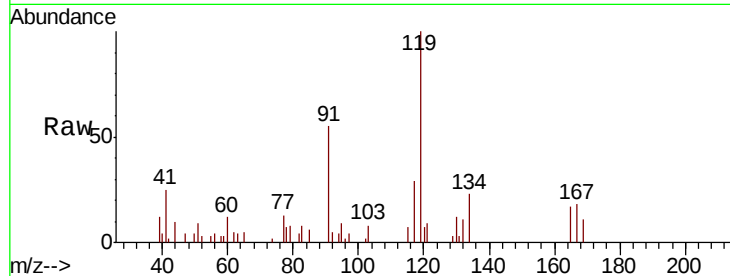
#61
 Pentachloroethane
 Concen: 0.635 ug/l
 RT: 11.11 min Scan# 3089
 Delta R.T. 0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:117 Resp: 2161
 Ion Ratio Lower Upper
 117 100
 167 67.6 62.6 93.8

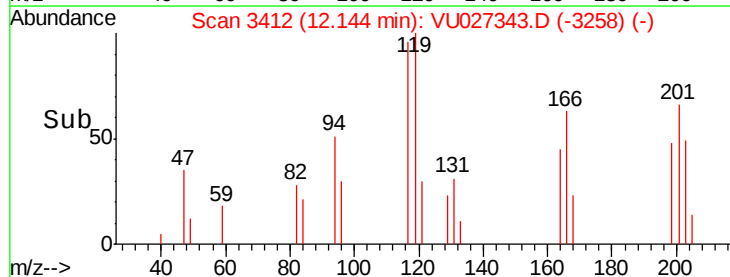
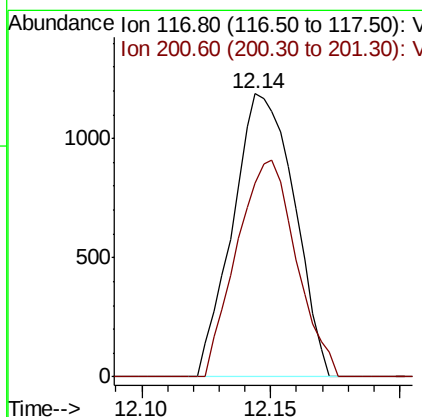
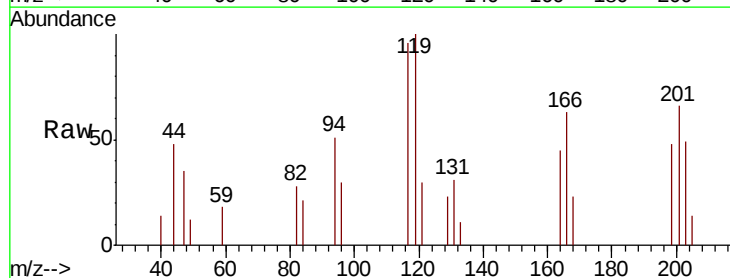
Manual Integrations
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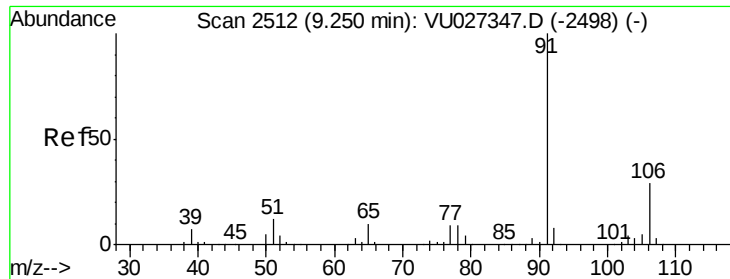
apatel
 10/5/2018 11:56:12 AM



#62
 Hexachloroethane
 Concen: 0.569 ug/l
 RT: 12.14 min Scan# 3412
 Delta R.T. -0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Tgt Ion:117 Resp: 1973
 Ion Ratio Lower Upper
 117 100
 201 74.0 59.3 88.9





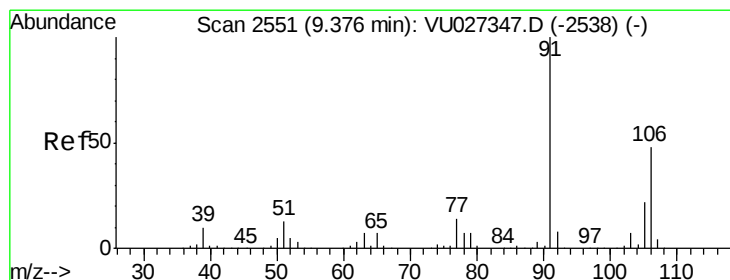
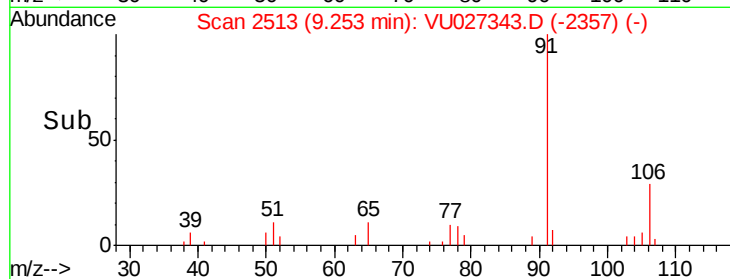
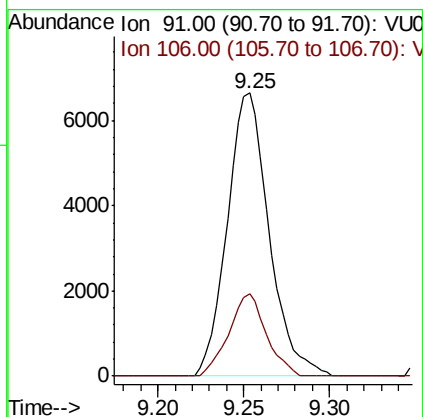
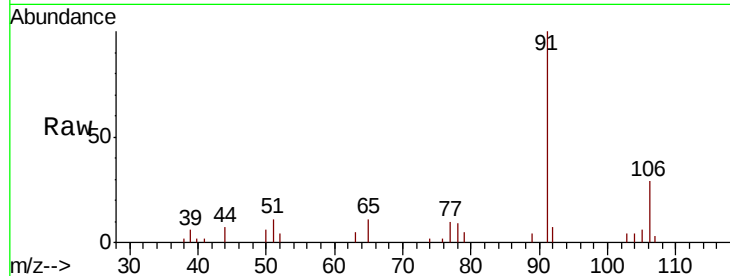
#63
Ethyl Benzene
Concen: 0.425 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 11281
Ion Ratio Lower Upper
91 100
106 29.0 23.6 35.4

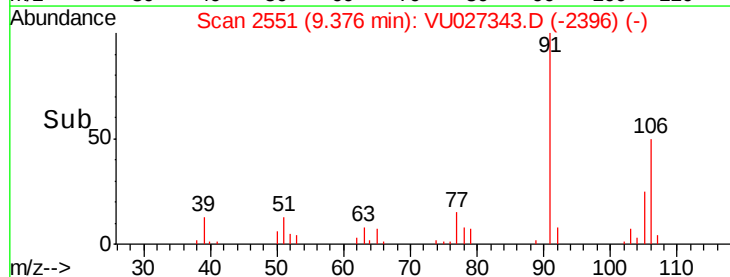
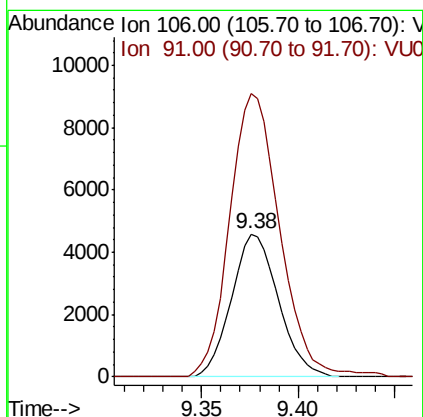
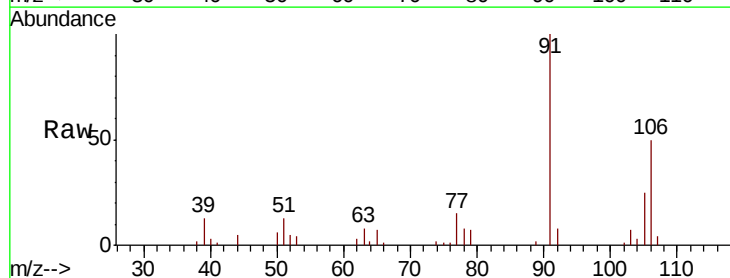
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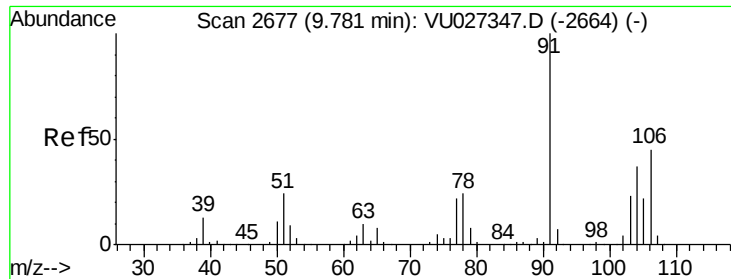
apatel
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#64
m/p-Xylenes
Concen: 0.765 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion: 106 Resp: 7713
Ion Ratio Lower Upper
106 100
91 211.9 169.8 254.8





#65

o-Xylene

Concen: 0.390 ug/l

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:106 Resp: 3799

Ion Ratio Lower Upper

106 100

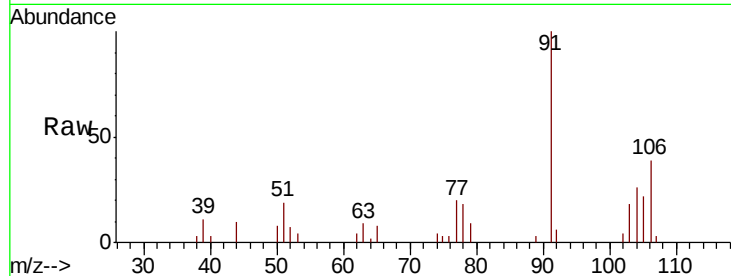
91 233.4 111.1 333.2

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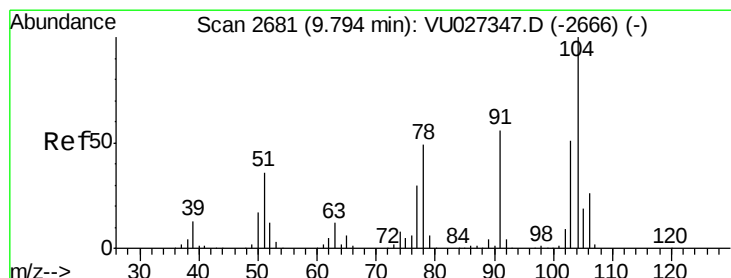
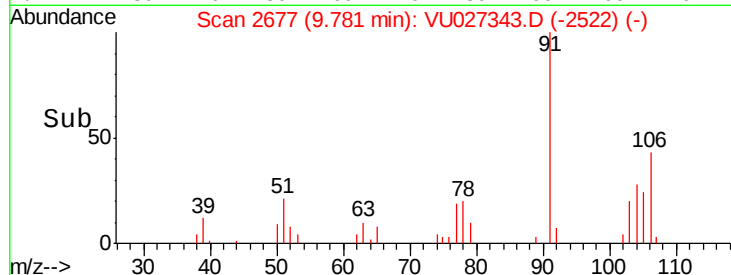
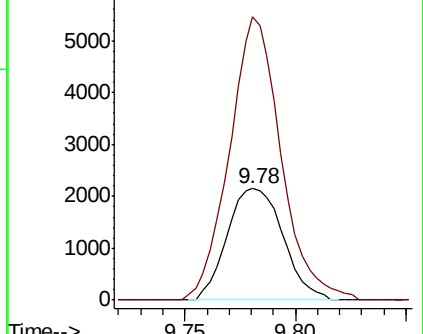
apatel

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.387 ug/l

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

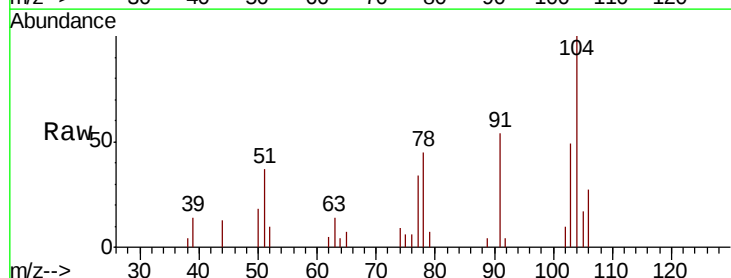
Tgt Ion:104 Resp: 6290

Ion Ratio Lower Upper

104 100

78 53.4 43.1 64.7

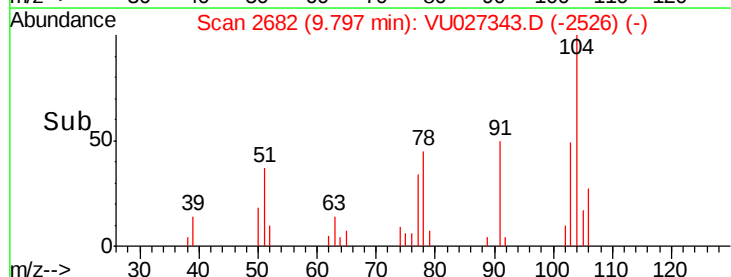
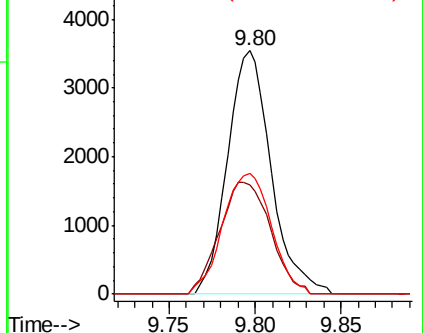
103 55.0 43.8 65.8

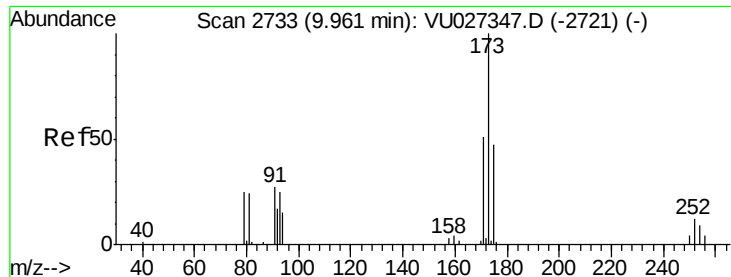


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





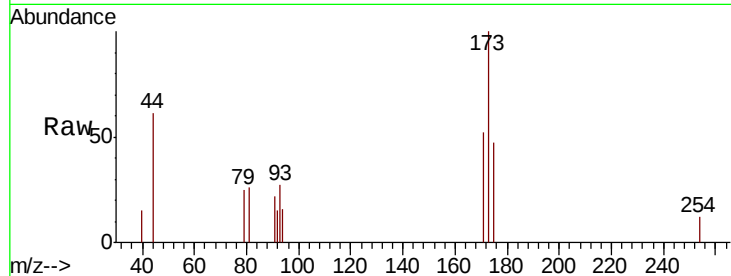
#67
Bromoform
Concen: 0.531 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.4	38.2	57.4
254	3.2	7.7	11.5

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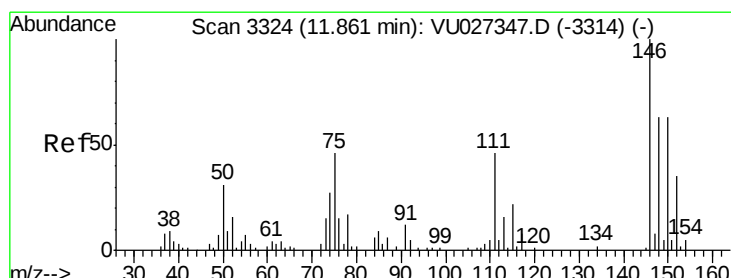
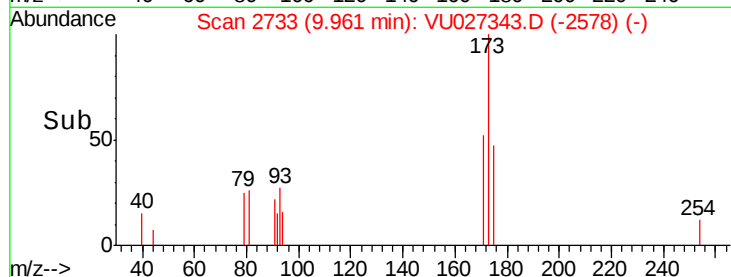
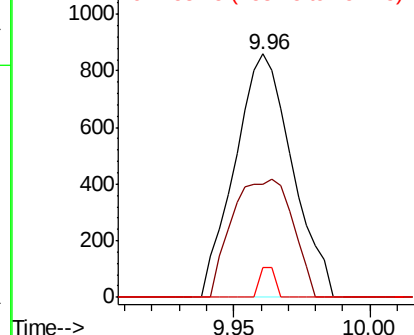


Abundance

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: 0.531 ug/l
RT: 11.86 min Scan# 3324
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

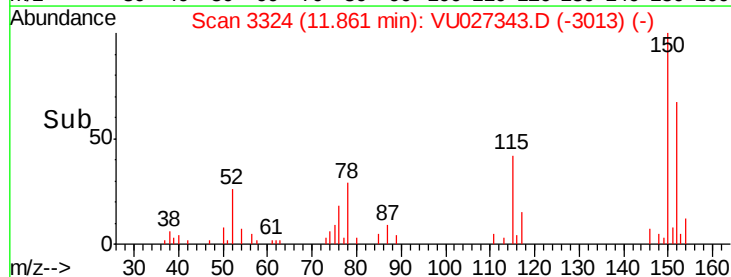
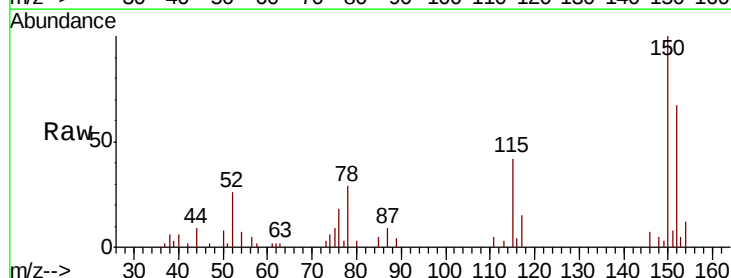
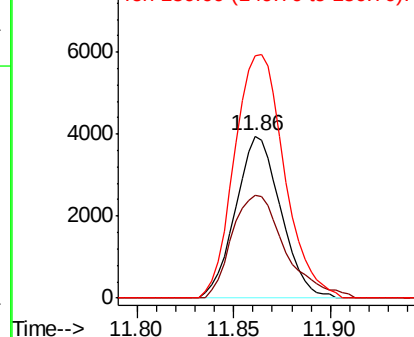
Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.8	0.0	131.6
150	166.2	0.0	0.0

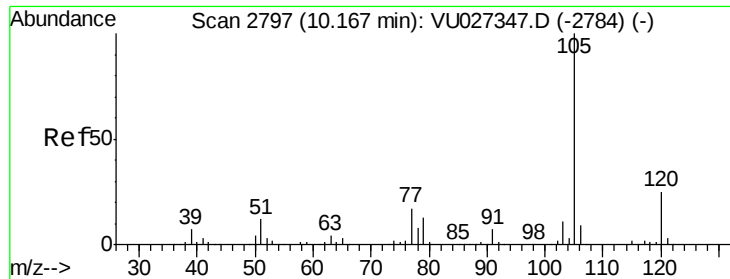
Abundance

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: 0.376 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 9617

Ion Ratio Lower Upper

105 100

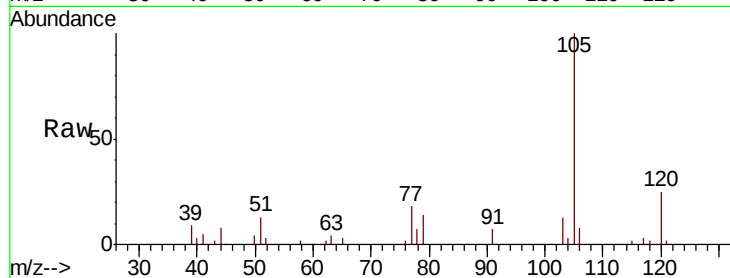
120 24.3 12.7 38.1

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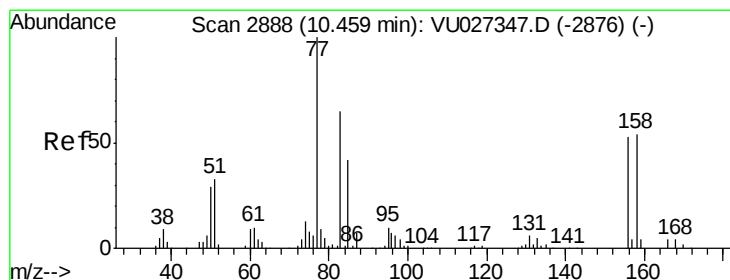
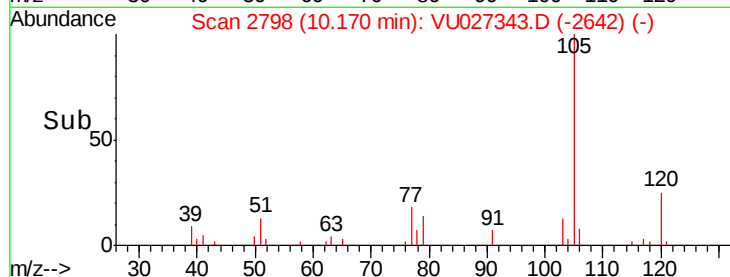
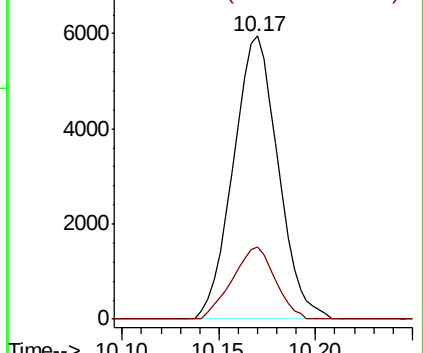
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.563 ug/l

RT: 10.46 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

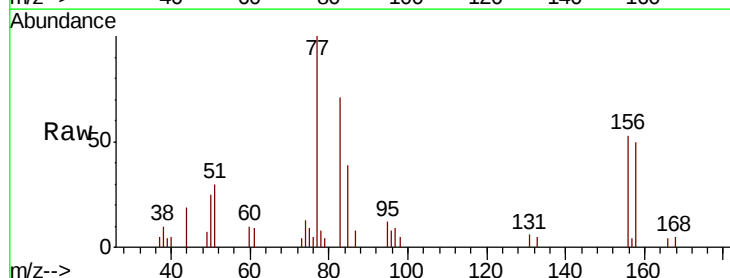
Tgt Ion: 83 Resp: 2881

Ion Ratio Lower Upper

83 100

131 8.7 7.0 10.6

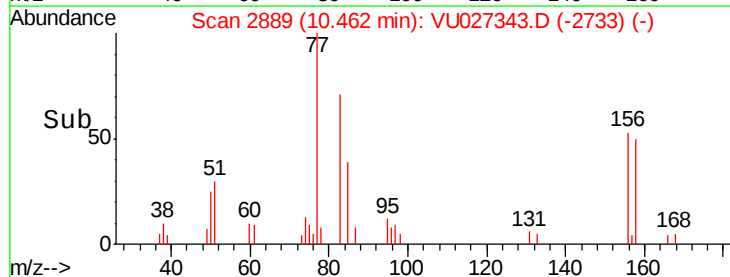
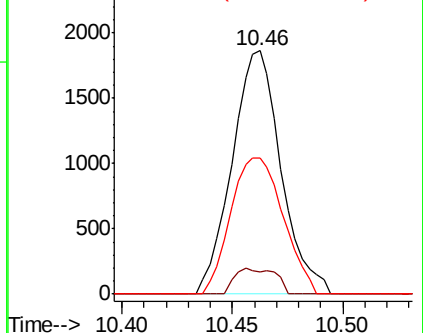
85 59.9 51.4 77.0

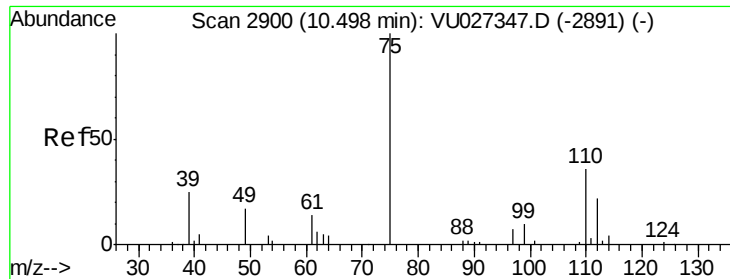


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





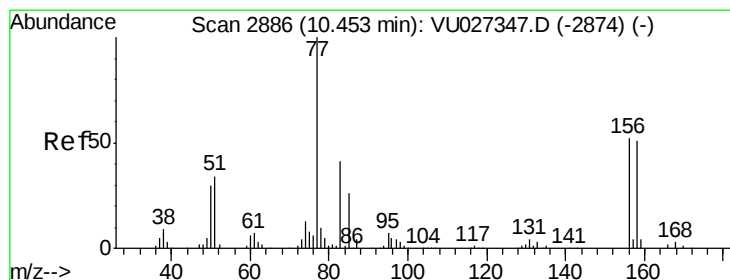
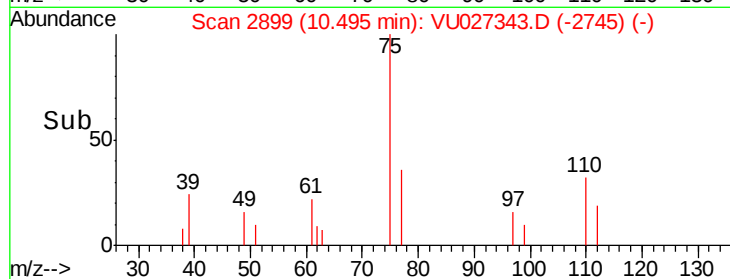
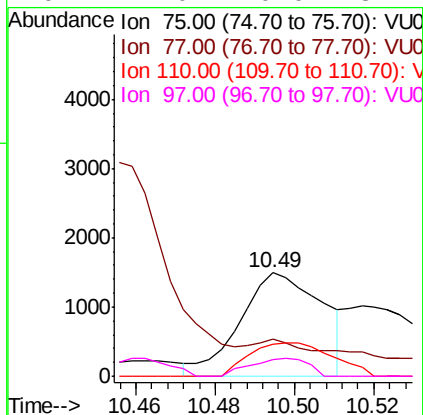
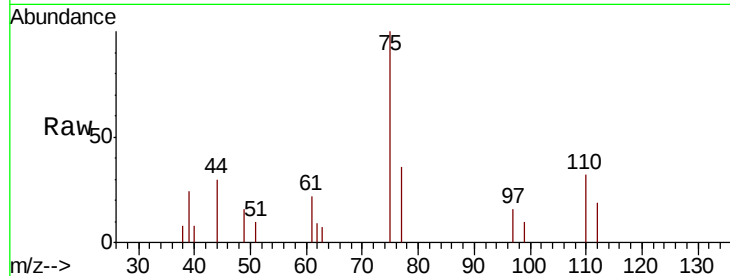
#71
 1,2,3-Trichloropropane
 Concen: 0.511 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	75	Resp:	2148
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.6
110	32.7	0.0	65.4
97	12.0	0.0	31.4

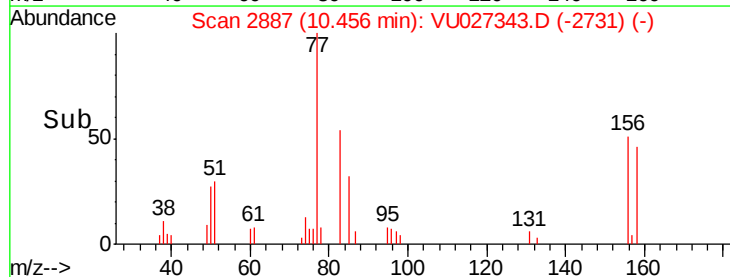
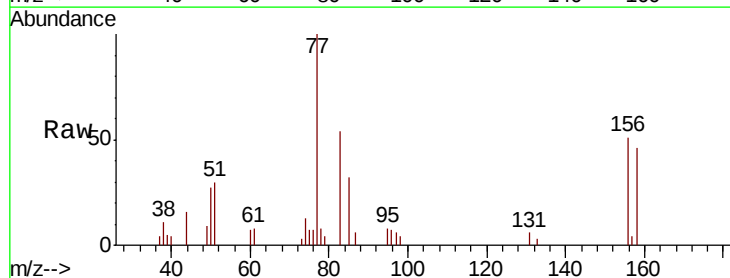
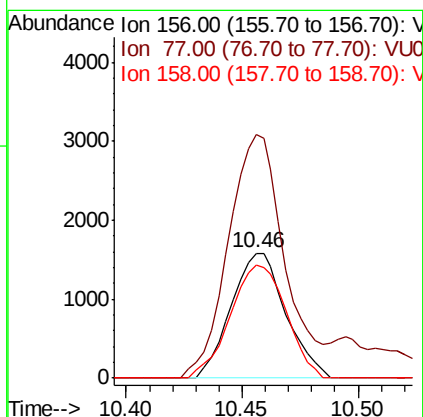
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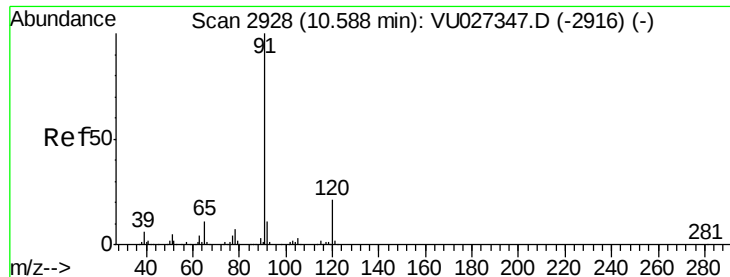
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#72
 Bromobenzene
 Concen: 0.406 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Tgt Ion:	156	Resp:	2594
Ion	Ratio	Lower	Upper
156	100		
77	199.5	0.0	387.6
158	92.3	0.0	196.2





#73

n-propylbenzene

Concen: 0.329 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:120 Resp: 2316

Ion Ratio Lower Upper

120 100

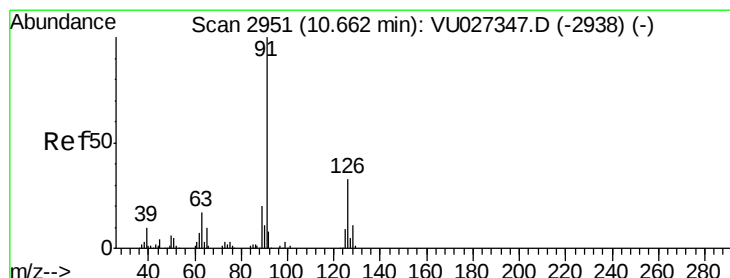
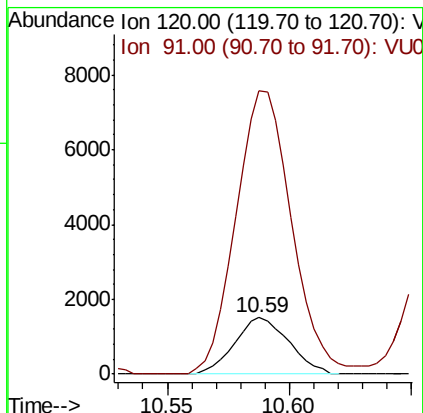
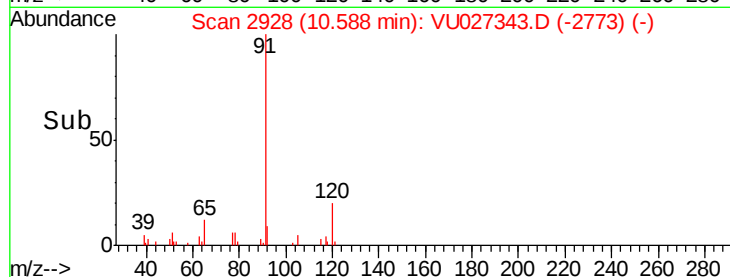
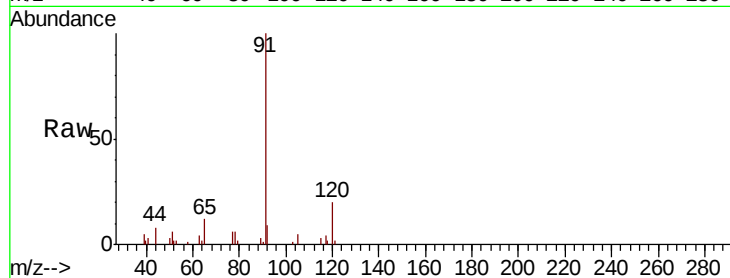
91 520.5 381.4 572.0

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#74

2-Chlorotoluene

Concen: 0.385 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU027343.D

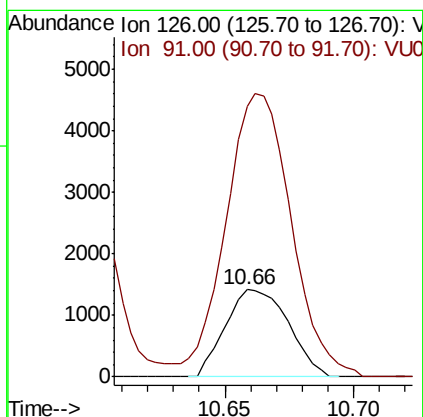
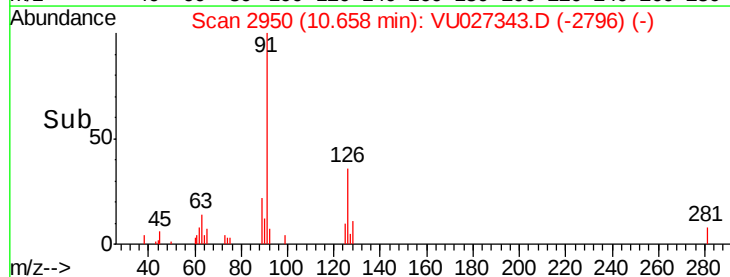
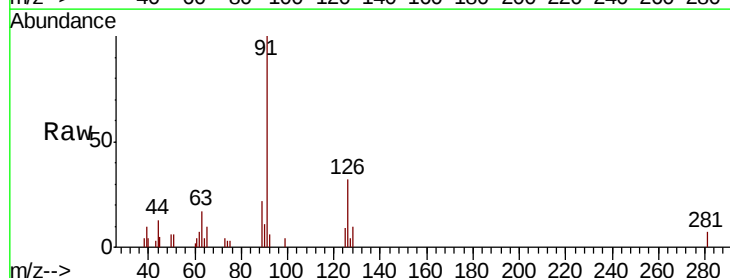
Acq: 02 Oct 2018 15:14

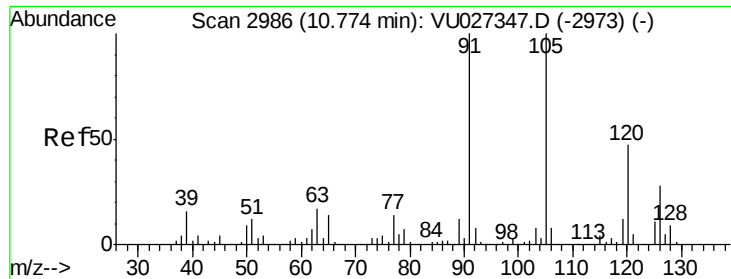
Tgt Ion:126 Resp: 2413

Ion Ratio Lower Upper

126 100

91 338.7 0.0 639.0





#75

1,3,5-Trimethylbenzene

Concen: 0.377 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 8208

Ion Ratio Lower Upper

105 100

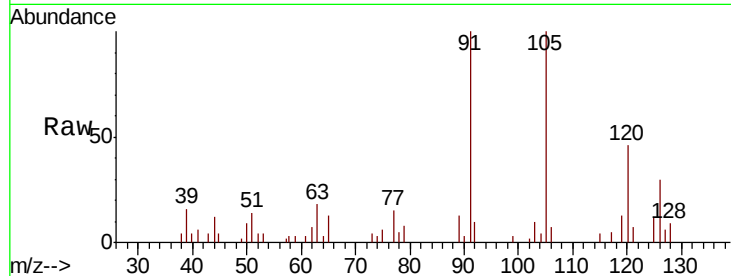
120 44.2 37.8 56.8

Manual Integrations

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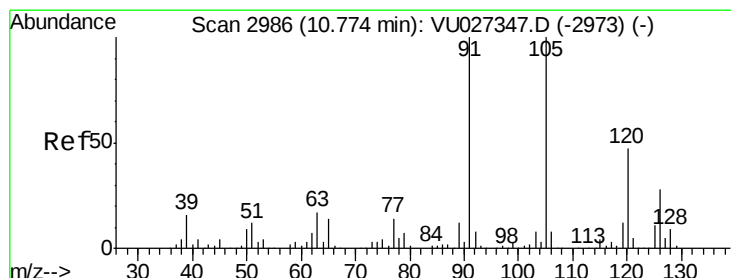
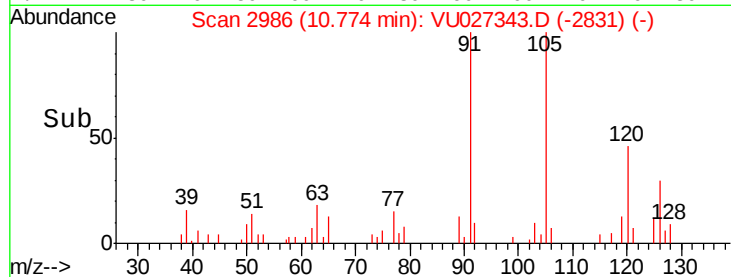
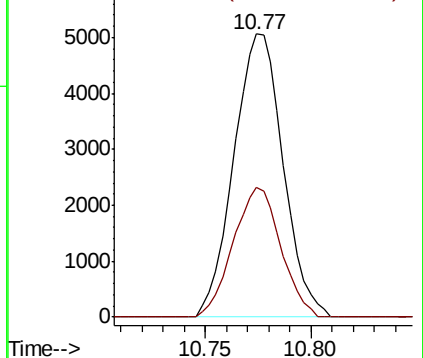
apatel

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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: 0.348 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027343.D

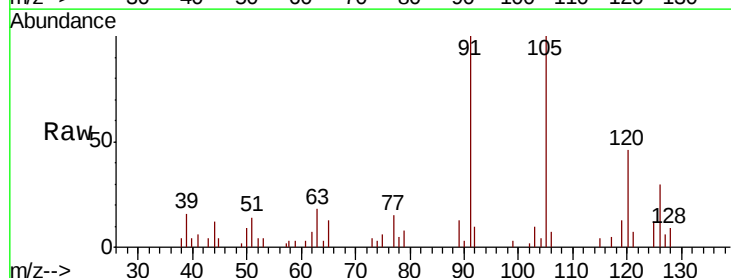
Acq: 02 Oct 2018 15:14

Tgt Ion:126 Resp: 2251

Ion Ratio Lower Upper

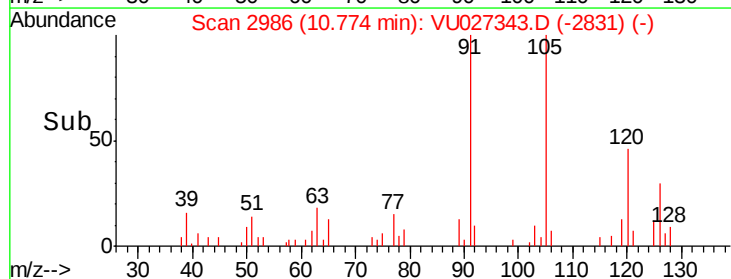
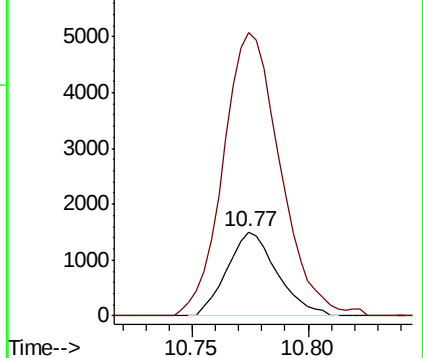
126 100

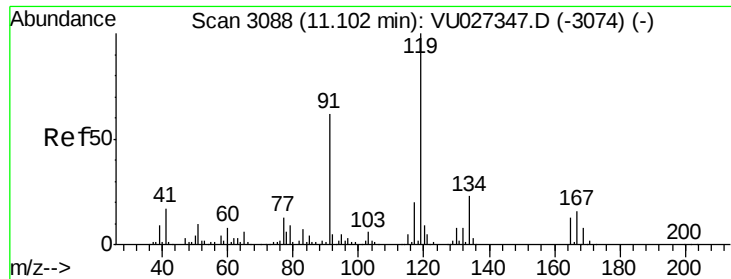
91 385.3 0.0 720.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.387 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

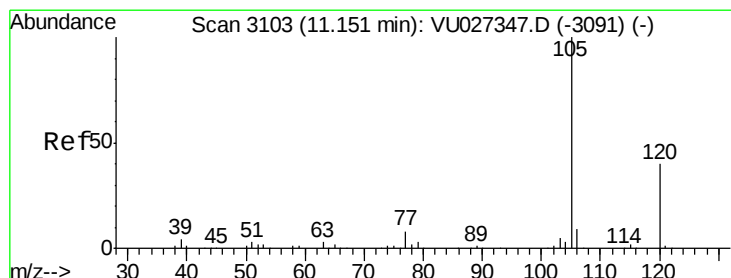
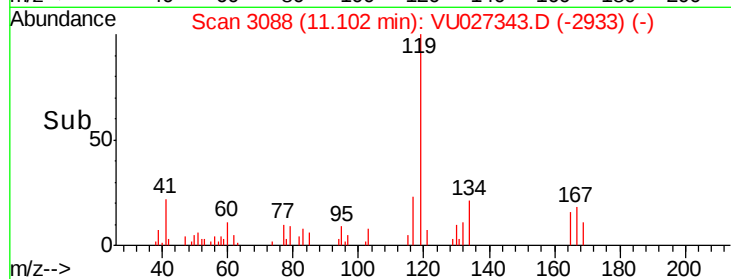
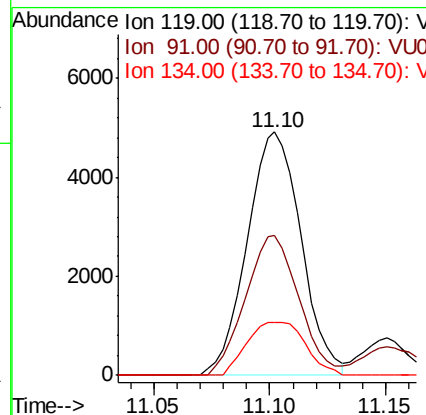
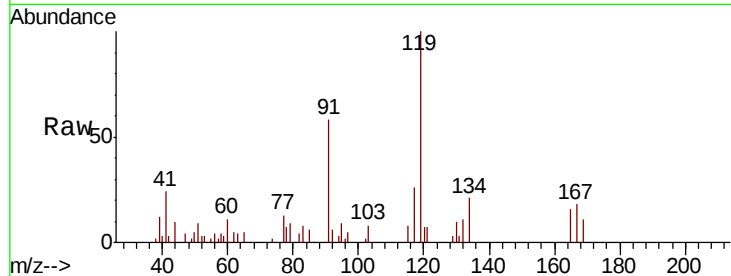
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	7936
Ion Ratio	Lower	Upper	
119	100		
91	57.1	31.4	94.3
134	23.5	18.7	28.1

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#78

1,2,4-Trimethylbenzene

Concen: 0.339 ug/l

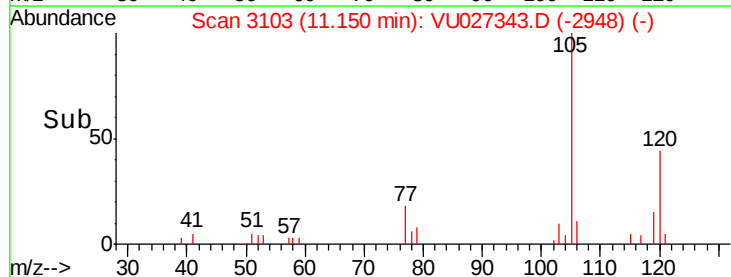
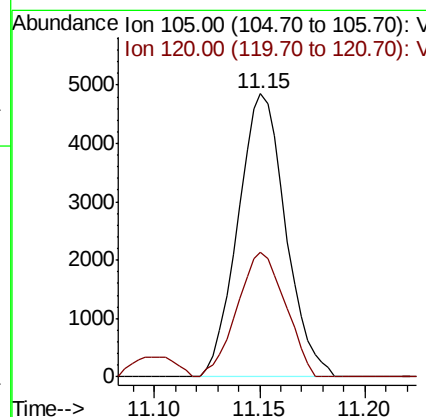
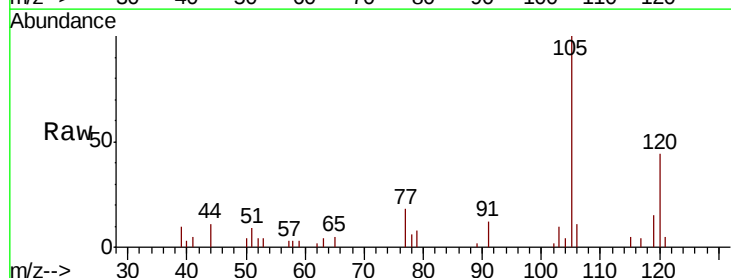
RT: 11.15 min Scan# 3103

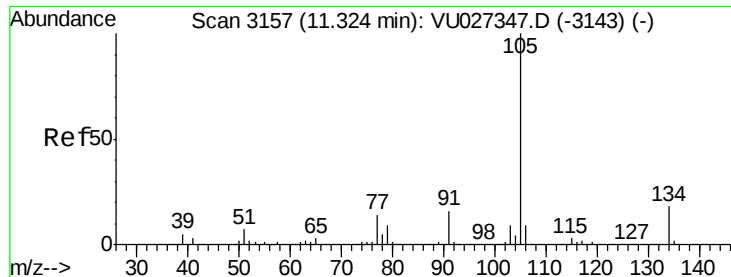
Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Tgt Ion:	105	Resp:	7617
Ion Ratio	Lower	Upper	
105	100		
120	44.4	21.9	65.7





#79

sec-Butylbenzene

Concen: 0.346 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 9988

Ion Ratio Lower Upper

105 100

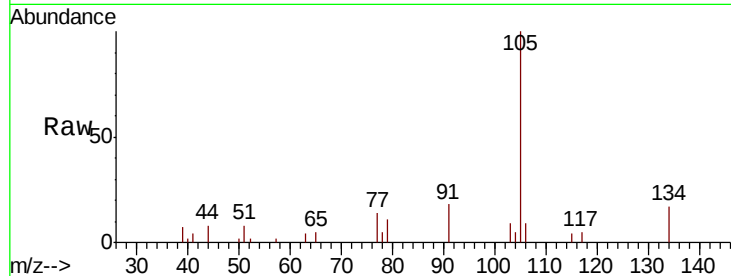
134 16.7 14.8 22.2

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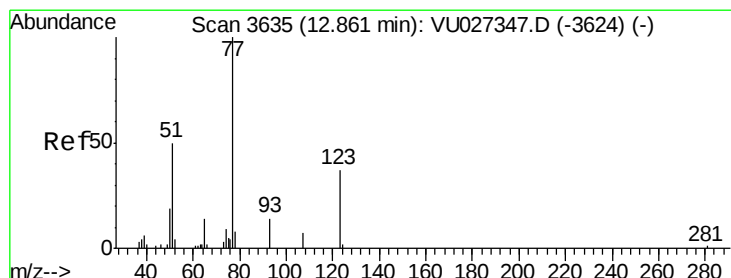
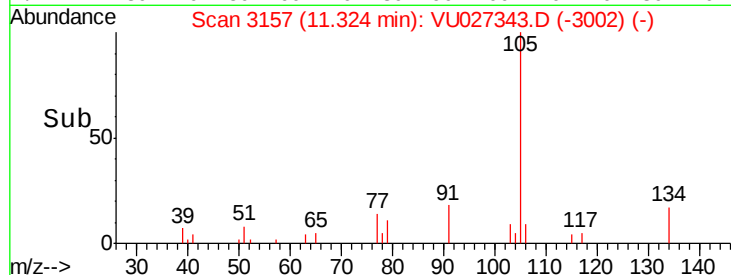
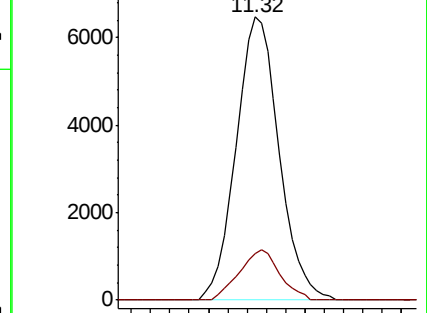
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 3.420 ug/l

RT: 12.86 min Scan# 3636

Delta R.T. 0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

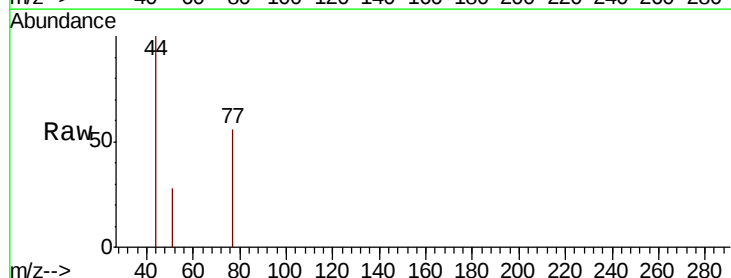
Tgt Ion: 77 Resp: 559

Ion Ratio Lower Upper

77 100

123 0.0 16.4 58.2#

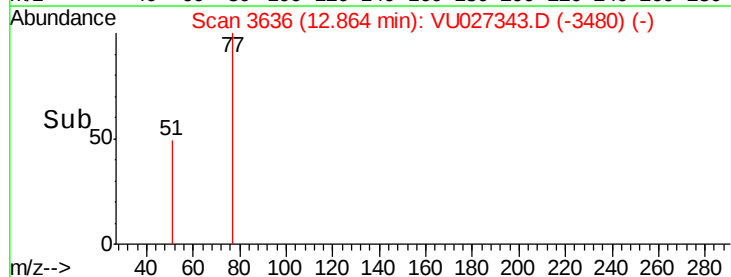
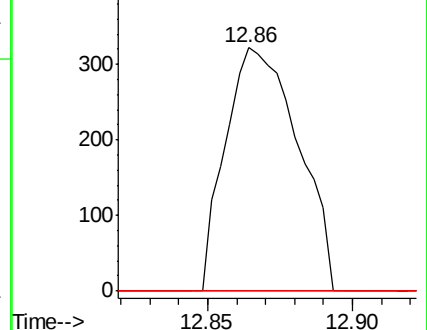
65 0.0 11.7 14.9#

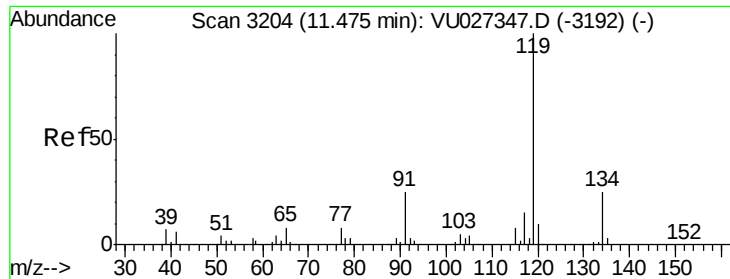


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





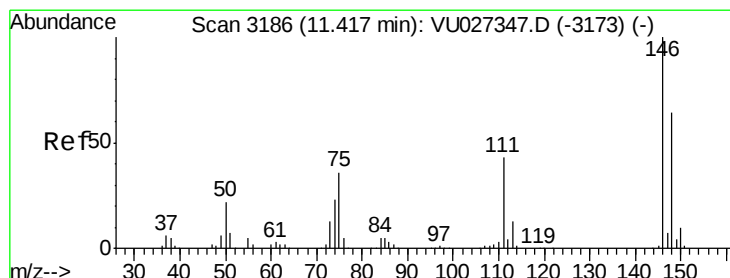
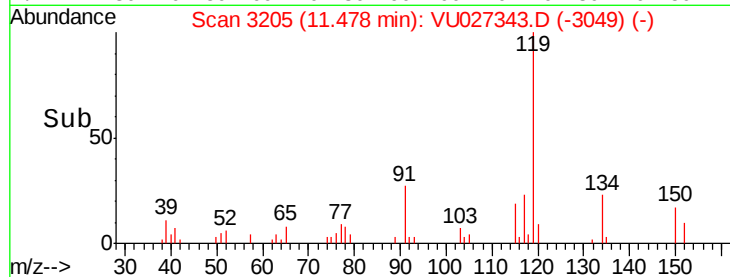
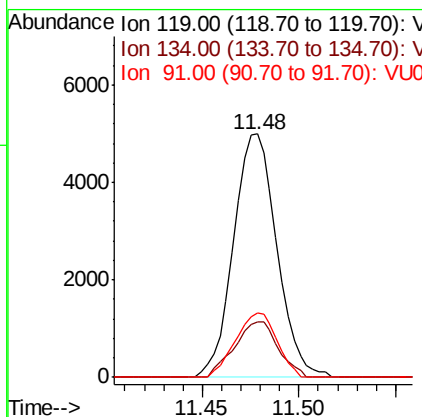
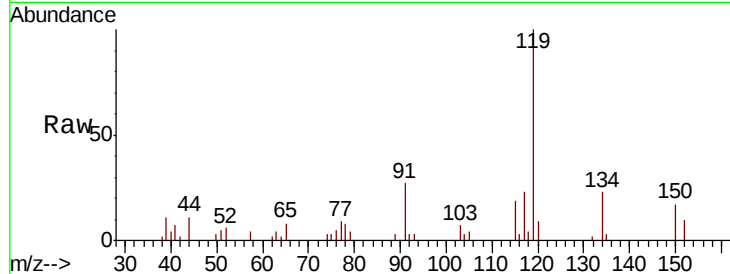
#81
 p-Isopropyltoluene
 Concen: 0.326 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
134	23.0	20.2	30.2
91	25.2	19.6	29.4

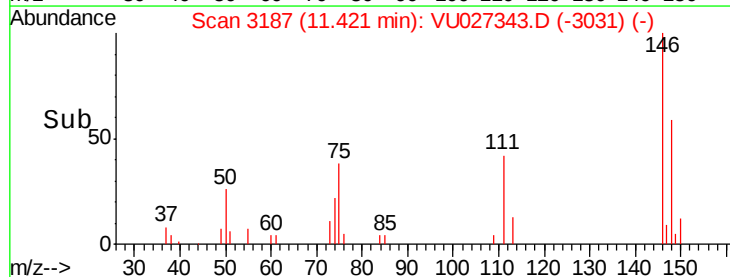
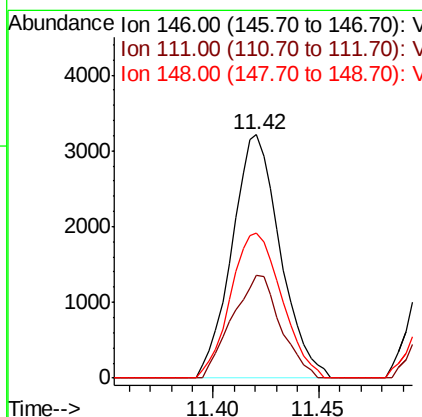
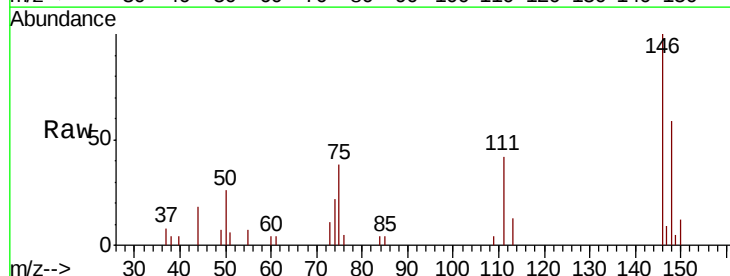
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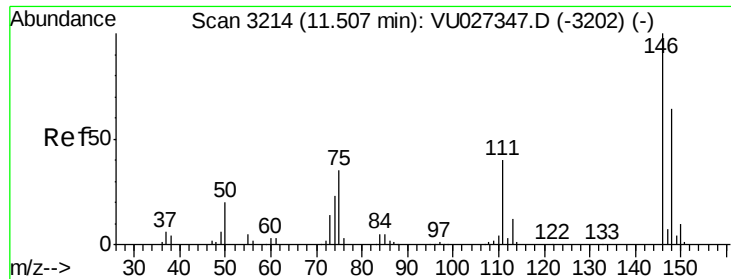
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#82
 1,3-Dichlorobenzene
 Concen: 0.400 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	34.3	51.5
148	63.3	51.2	76.8





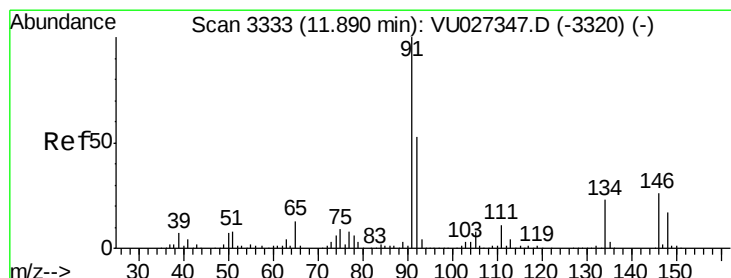
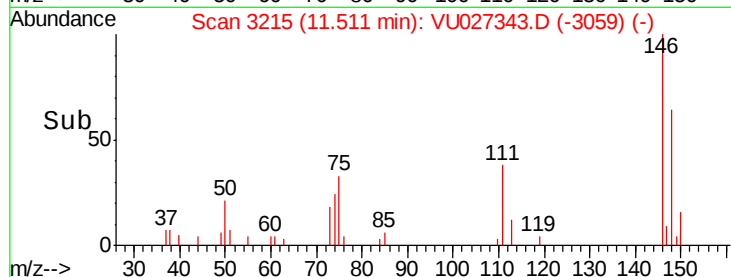
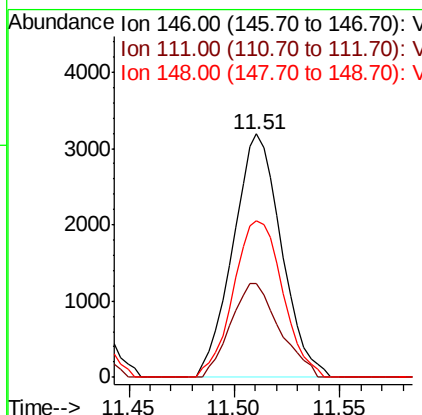
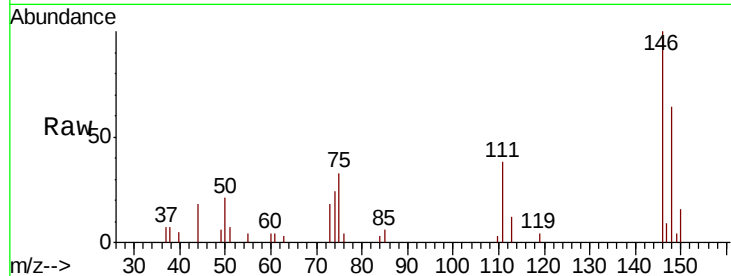
#83
 1,4-Dichlorobenzene
 Concen: 0.398 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	32.6	49.0
148	65.7	51.4	77.2

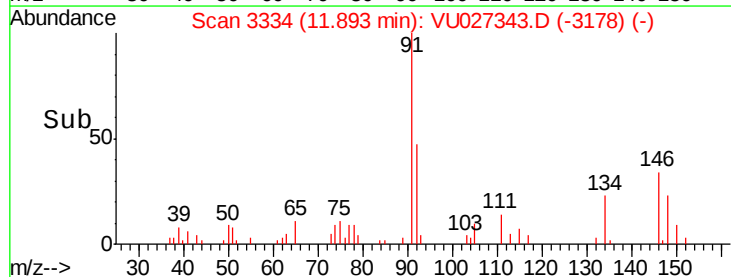
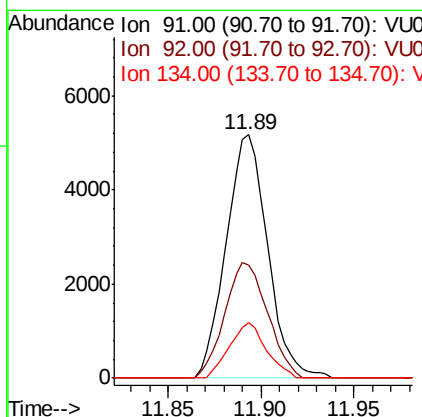
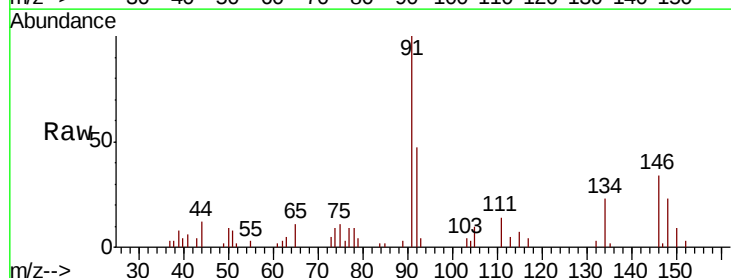
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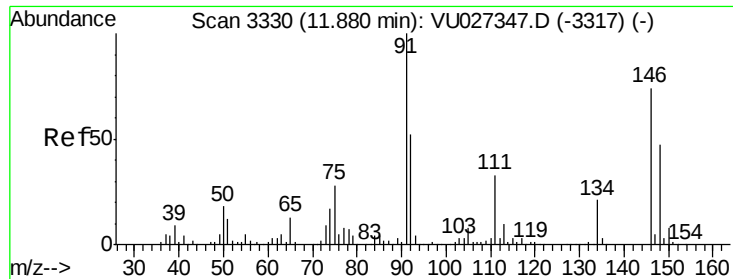
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#84
 n-Butylbenzene
 Concen: 0.351 ug/l
 RT: 11.89 min Scan# 3334
 Delta R.T. 0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	48.7	42.2	63.2
134	20.1	18.2	27.4





#85

1,2-Dichlorobenzene

Concen: 0.395 ug/l

RT: 11.88 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Instrument :

MSVOA_U

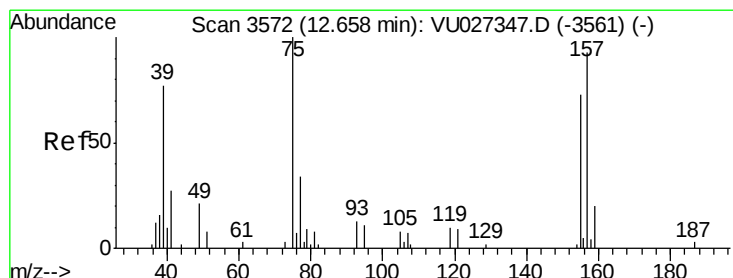
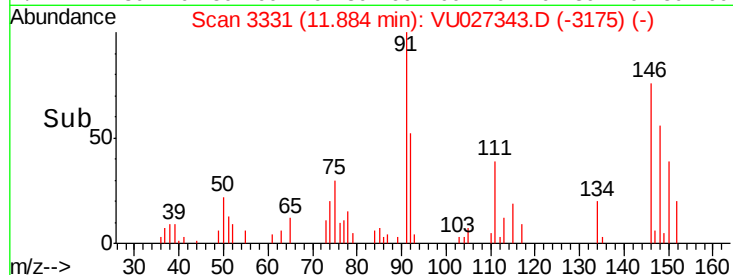
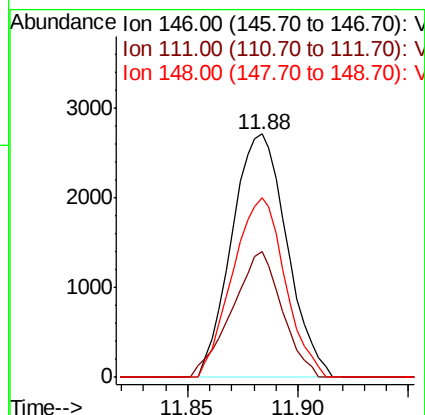
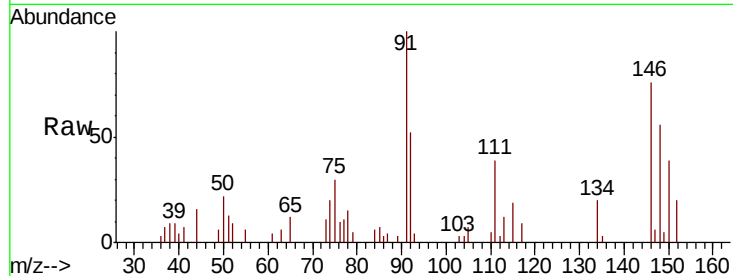
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	4698
Ion Ratio	Lower	Upper	
146	100		
111	47.0	22.1	66.3
148	70.3	32.0	96.0

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#86

1,2-Dibromo-3-Chloropropane

Concen: 0.616 ug/l

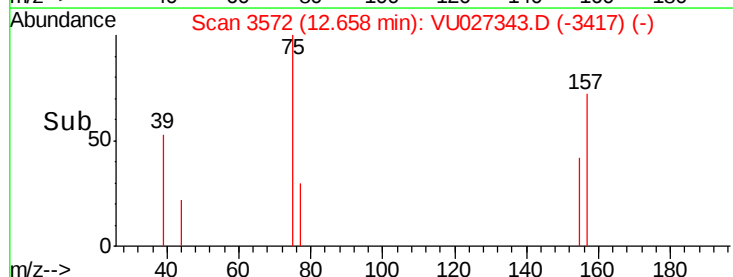
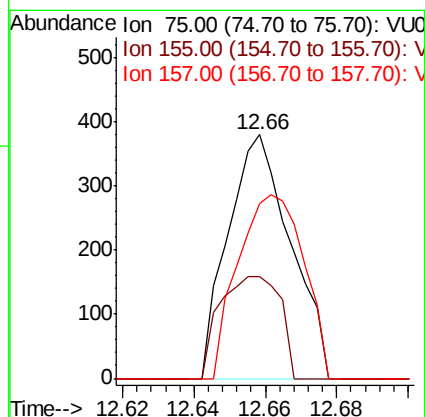
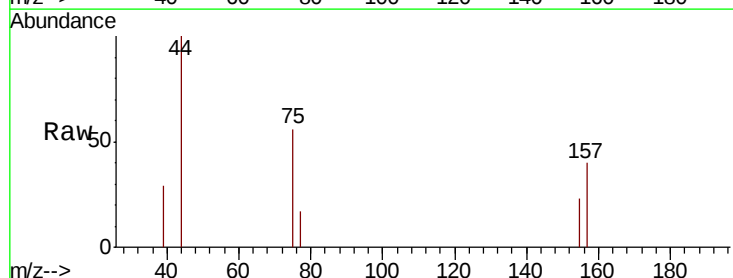
RT: 12.66 min Scan# 3572

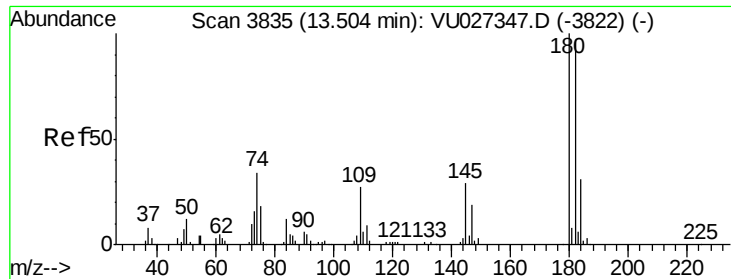
Delta R.T. -0.00 min

Lab File: VU027343.D

Acq: 02 Oct 2018 15:14

Tgt Ion:	75	Resp:	459
Ion Ratio	Lower	Upper	
75	100		
155	40.3	56.6	84.8#
157	79.3	71.8	107.6





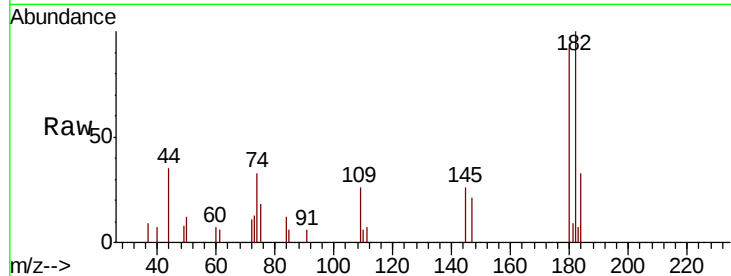
#87
 1,2,4-Trichlorobenzene
 Concen: 0.361 ug/l
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

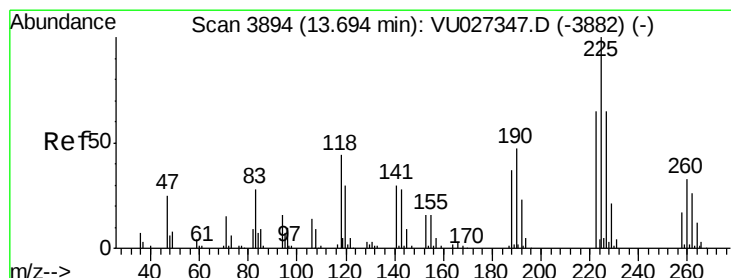
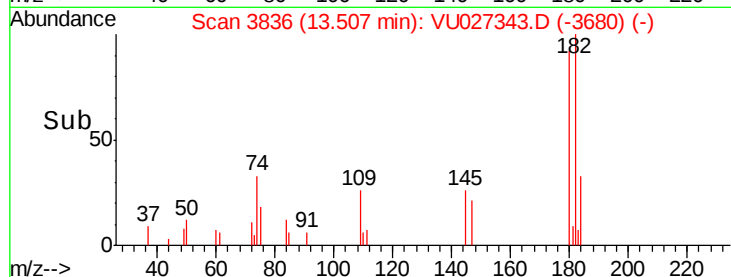
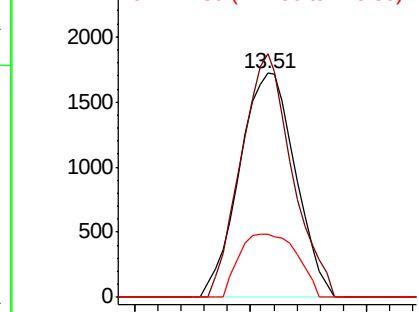
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.4	77.5	116.3
145	29.2	23.9	35.9

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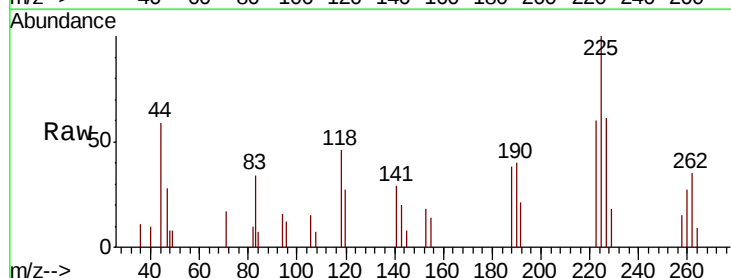


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

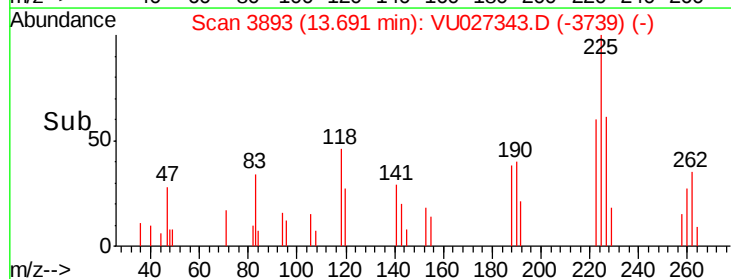
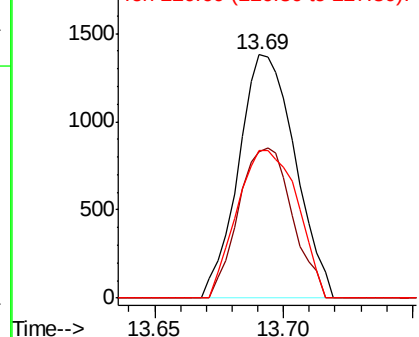


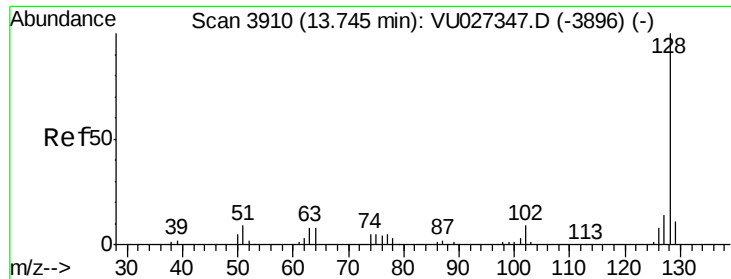
#88
 Hexachlorobutadiene
 Concen: 0.427 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027343.D
 Acq: 02 Oct 2018 15:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.8	51.4	77.0
227	64.8	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





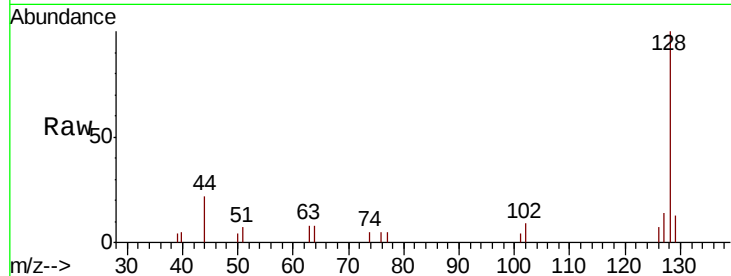
#89
Naphthalene
Concen: 0.397 ug/l
RT: 13.75 min Scan# 3911
Delta R.T. 0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.2	10.7	16.1#
129	9.1	8.4	12.6

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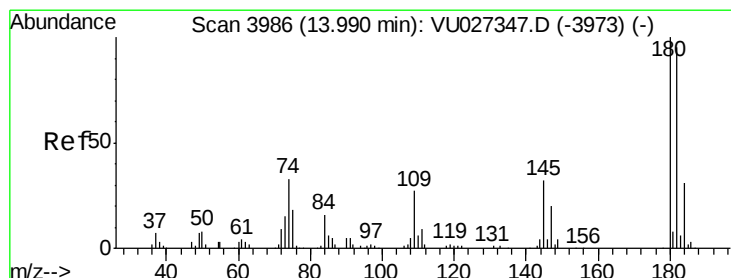
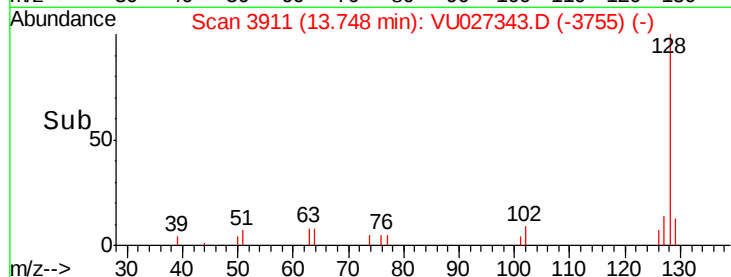
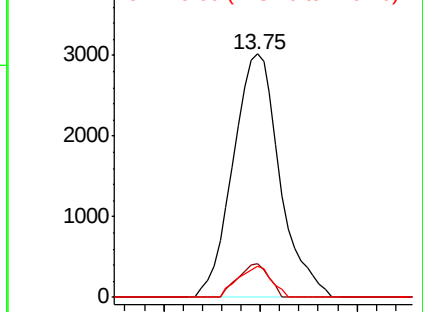


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 0.392 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. -0.00 min
Lab File: VU027343.D
Acq: 02 Oct 2018 15:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.2	114.4
145	27.1	25.8	38.8

Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

