

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100318\
 Data File : VU027344.D
 Acq On : 02 Oct 2018 15:41
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
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 10/5/2018 11:56:16 AM

Quant Time: Oct 03 02:19:10 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	21659	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	7374	0.96	ug/l	0.00
Spiked Amount	1.000		Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	6346	0.83	ug/l	0.00
Spiked Amount	1.000		Recovery	=	83.00%	

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	7179	1.200	ug/l	96
3) Chloromethane	1.33	50	8500	1.143	ug/l	99
4) Vinyl Chloride	1.40	62	8627	1.216	ug/l #	87
5) Bromomethane	1.63	94	3514	0.736	ug/l	93
6) Chloroethane	1.70	64	6201	1.533	ug/l	98
7) Trichlorofluoromethane	1.89	101	10121	1.194	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5743	1.162	ug/l	96
9) 1,1-Dichloroethene	2.29	96	4733	1.021	ug/l	93
10) Iodomethane	2.41	142	4780	1.225	ug/l	97
11) Allyl Chloride	2.59	41	12984	1.466	ug/l	99
12) Acrylonitrile	2.94	53	3313	2.743	ug/l	97
13) Acetone	2.32	43	7840	7.154	ug/l	98
14) Carbon Disulfide	2.48	76	15279	1.135	ug/l	100
15) Methylene Chloride	2.70	84	6936	1.232	ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	5544	1.117	ug/l	93
17) 1,1-Dichloroethane	3.45	63	13444	1.275	ug/l	97
18) 2-Butanone	4.29	43	14212	7.992	ug/l	96
19) Cyclohexane	4.99	56	9741	1.111	ug/l	96
20) Methylcyclohexane	6.41	83	8957	0.944	ug/l	94
21) 2,2-Dichloropropane	4.23	77	11776	1.474	ug/l	97
22) cis-1,2-Dichloroethene	4.23	96	6724	1.090	ug/l	96
23) Diethyl Ether	2.11	59	5023	1.232	ug/l	90
24) tert-Butyl Alcohol	2.84	59	5909	12.027	ug/l	96
25) Methyl tert-Butyl Ether	3.01	73	15958	1.248	ug/l #	91
26) Bromochloromethane	4.55	128	2601	0.997	ug/l	91
27) Chloroform	4.68	83	12822	1.190	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	10098	1.196	ug/l	98
29) 1,1-Dichloropropene	5.13	75	9264	1.127	ug/l	95
30) Carbon Tetrachloride	5.13	117	8055	1.148	ug/l	98
31) Isopropyl Ether	3.58	45	26140	1.393	ug/l	98
32) Ethyl-t-butyl ether	4.09	59	20172	1.269	ug/l	100
33) Tert-Amyl methyl ether	5.59	73	16128	1.241	ug/l #	69
34) Propionitrile	4.34	54	3275	6.431	ug/l #	97
35) Benzene	5.39	78	27037	1.133	ug/l	96
36) 1,2-Dichloroethane	5.41	62	9035	1.314	ug/l	99
37) Trichloroethene	6.18	130	5994	0.951	ug/l	94
38) 1,2-Dichloropropane	6.44	63	8148	1.283	ug/l	98
39) Methacrylonitrile	4.56	41	3867	1.710	ug/l #	91
40) Methyl acrylate	4.44	55	4657	1.452	ug/l #	92
41) Tetrahydrofuran	4.66	42	4132	3.337	ug/l	90
42) 1-Chlorobutane	5.06	56	14293	1.188	ug/l	95

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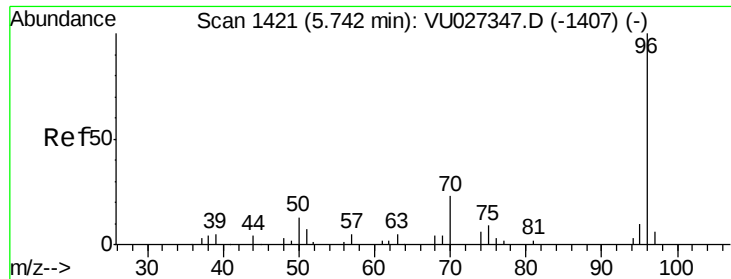
Manual Integrations
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Quant Time: Oct 03 02:19:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U100318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 03 02:08:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.57	93	3189	1.119	ug/l	89
44) Bromodichloromethane	6.76	83	8770	1.264	ug/l	99
45) 4-Methyl-2-Pentanone	7.48	43	24518	6.008	ug/l	95
46) t-1,4-Dichloro-2-butene	10.52	75	2503m	2.330	ug/l	
47) Methyl methacrylate	6.64	69	6627	2.338	ug/l	97
48) Ethyl methacrylate	8.03	69	5358	1.023	ug/l	92
49) Toluene	7.64	92	13544	0.966	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	7830	1.303	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	9076	1.195	ug/l	96
52) 1,1,2-Trichloroethane	8.07	97	4736	1.119	ug/l	95
53) 1,3-Dichloropropane	8.25	76	8610	1.143	ug/l	98
54) 2-Hexanone	8.38	43	16208	5.747	ug/l	91
55) Dibromochloromethane	8.48	129	4979	1.203	ug/l	99
56) 1,2-Dibromoethane	8.59	107	4047	1.070	ug/l	98
58) Tetrachloroethene	8.23	164	5236	0.787	ug/l	95
59) Chlorobenzene	9.12	112	14210	0.948	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	5548	1.095	ug/l	99
61) Pentachloroethane	11.10	117	4906	1.461	ug/l	89
62) Hexachloroethane	12.15	117	4250	1.243	ug/l	96
63) Ethyl Benzene	9.25	91	22482	0.859	ug/l	97
64) m/p-Xylenes	9.38	106	16234	1.632	ug/l	98
65) o-Xylene	9.78	106	7679	0.799	ug/l	94
66) Styrene	9.79	104	13145	0.820	ug/l	98
67) Bromoform	9.96	173	2730	1.177	ug/l	99
69) Isopropylbenzene	10.17	105	19946	0.791	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	6334	1.255	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	4754m	1.147	ug/l	
72) Bromobenzene	10.46	156	5383	0.854	ug/l	99
73) n-propylbenzene	10.59	120	5311	0.764	ug/l	98
74) 2-Chlorotoluene	10.66	126	5103	0.825	ug/l	95
75) 1,3,5-Trimethylbenzene	10.77	105	16766	0.781	ug/l	97
76) 4-Chlorotoluene	10.77	126	5159	0.809	ug/l	96
77) tert-Butylbenzene	11.10	119	17674	0.873	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	17372	0.785	ug/l	98
79) sec-Butylbenzene	11.32	105	22686	0.796	ug/l	97
80) Nitrobenzene	12.87	77	1074	6.661	ug/l #	90
81) p-Isopropyltoluene	11.48	119	17730	0.755	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	11024	0.878	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	11145	0.886	ug/l	99
84) n-Butylbenzene	11.89	91	17516	0.774	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	10485	0.894	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	917	1.247	ug/l	93
87) 1,2,4-Trichlorobenzene	13.51	180	6203	0.792	ug/l	98
88) Hexachlorobutadiene	13.69	225	4493	0.921	ug/l	99
89) Naphthalene	13.75	128	9934	0.789	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	5939	0.800	ug/l	99

(#) = 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: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 21659

Ion Ratio Lower Upper

96 100

70 23.9 19.2 28.8

95 8.9 7.7 11.5

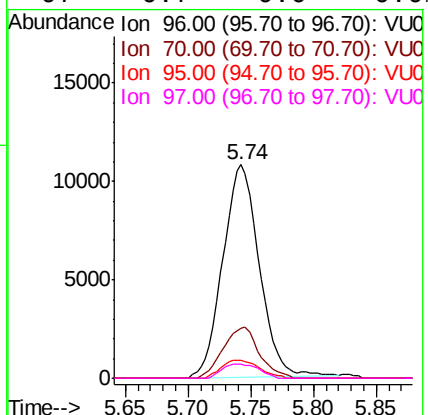
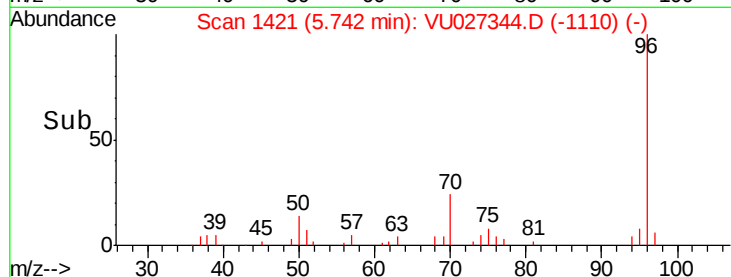
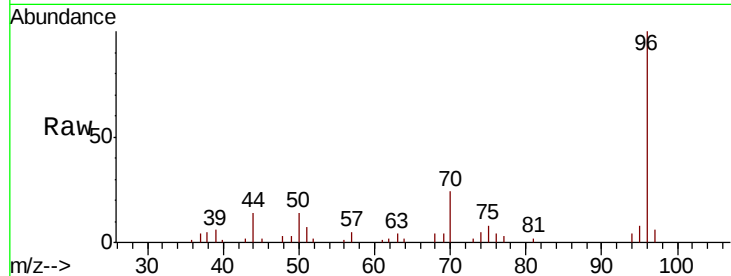
97 6.7 0.0 0.0#

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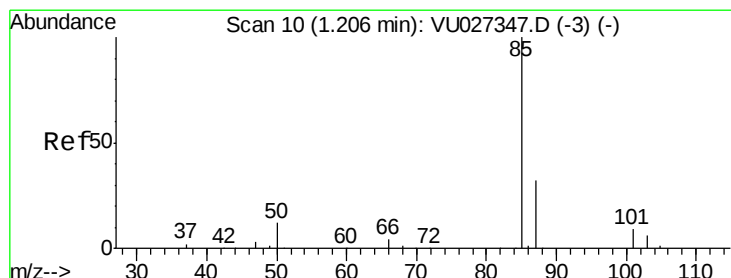
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#2

Dichlorodifluoromethane

Concen: 1.200 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027344.D

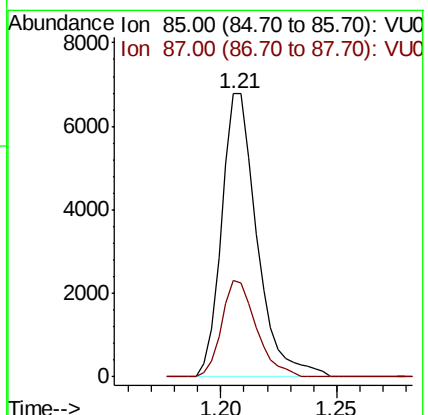
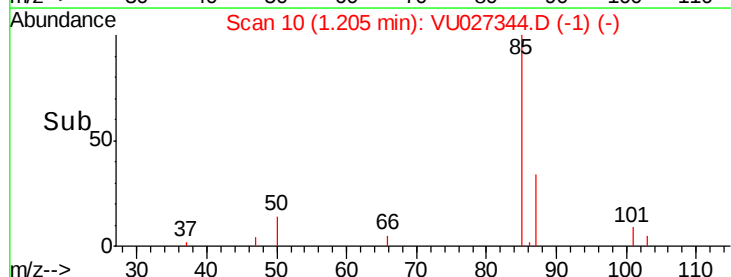
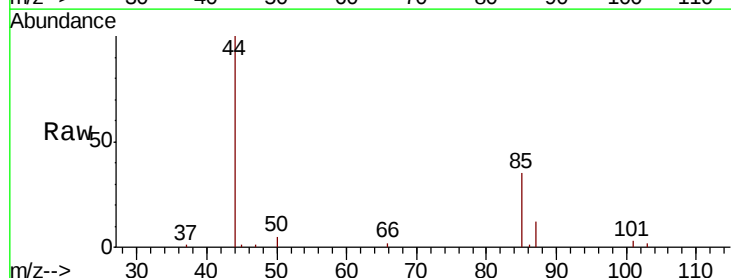
Acq: 02 Oct 2018 15:41

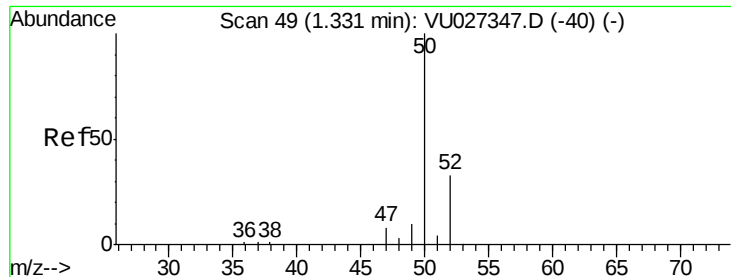
Tgt Ion: 85 Resp: 7179

Ion Ratio Lower Upper

85 100

87 34.2 16.1 48.3





#3

Chloromethane

Concen: 1.143 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Tot Ion: 50 Resp: 8500

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0

Instrument :

MSVOA_U

ClientSampled :

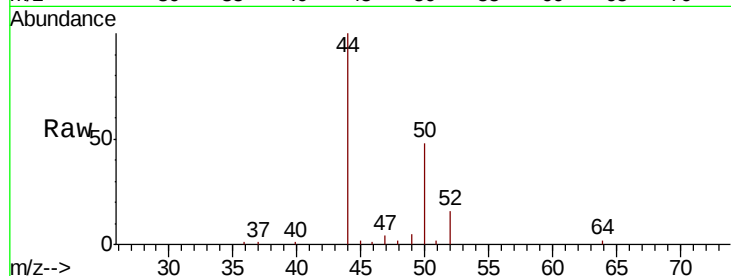
VSTDIC001

Manual Integrations

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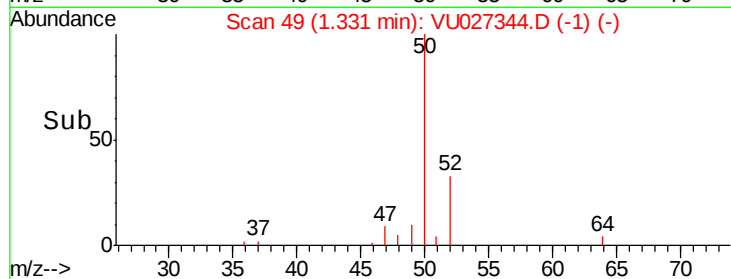
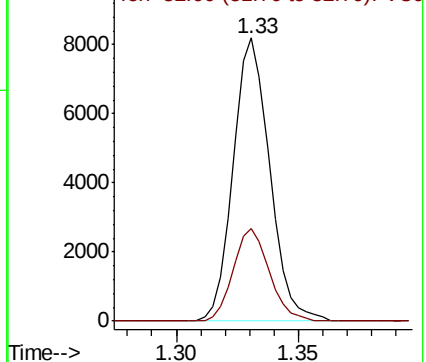
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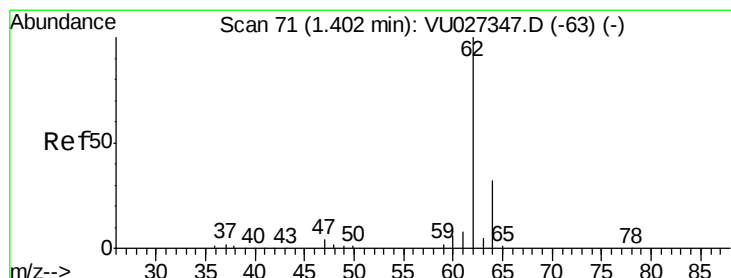
Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



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#4

Vinyl Chloride

Concen: 1.216 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027344.D

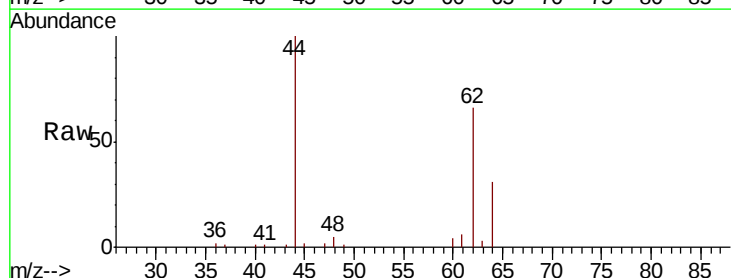
Acq: 02 Oct 2018 15:41

Tgt Ion: 62 Resp: 8627

Ion Ratio Lower Upper

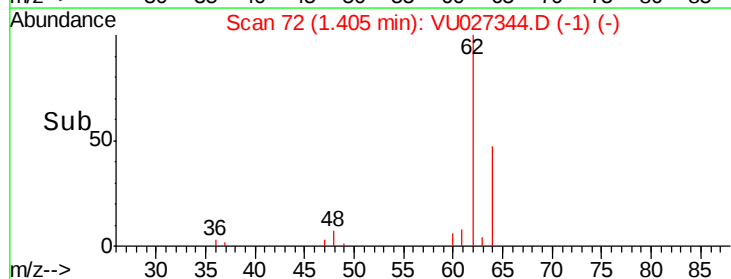
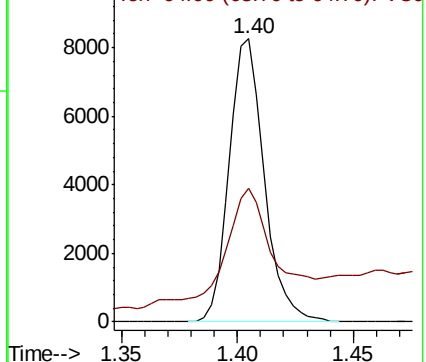
62 100

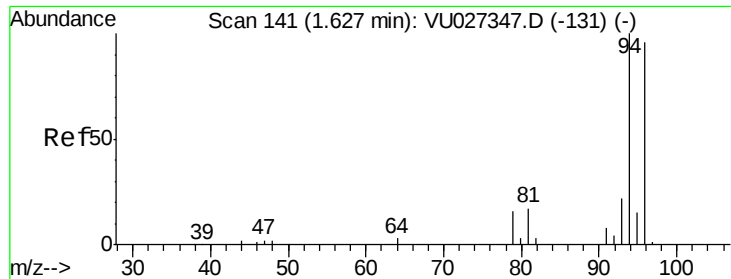
64 39.0 25.6 38.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.736 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 3514

Ion Ratio Lower Upper

94 100

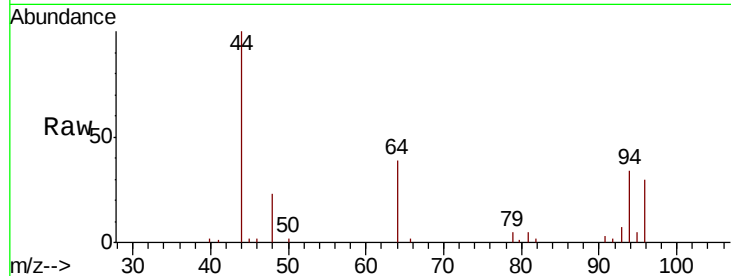
96 89.5 77.0 115.6

Manual Integrations

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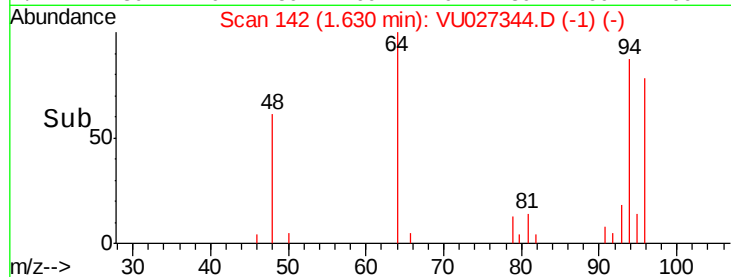
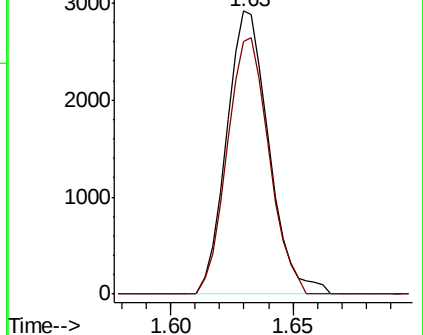
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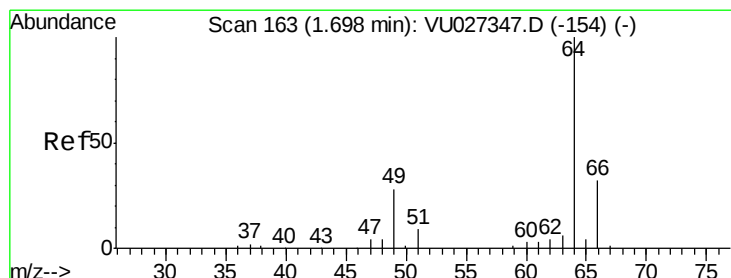
Abundance Ion 94.00 (93.70 to 94.70): VU027344.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VU027344.D (-131) (-)



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#6

Chloroethane

Concen: 1.533 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027344.D

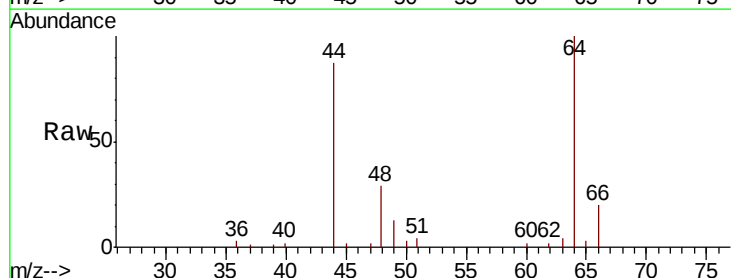
Acq: 02 Oct 2018 15:41

Tgt Ion: 64 Resp: 6201

Ion Ratio Lower Upper

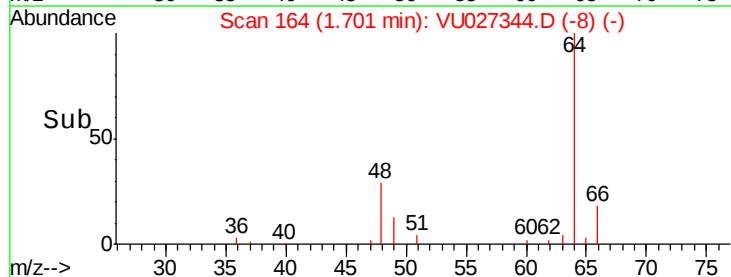
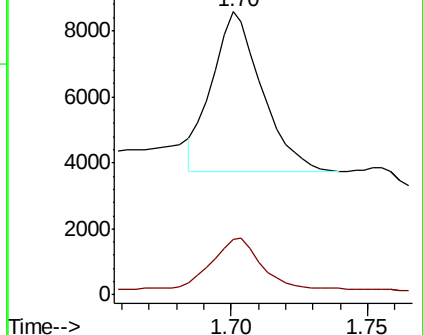
64 100

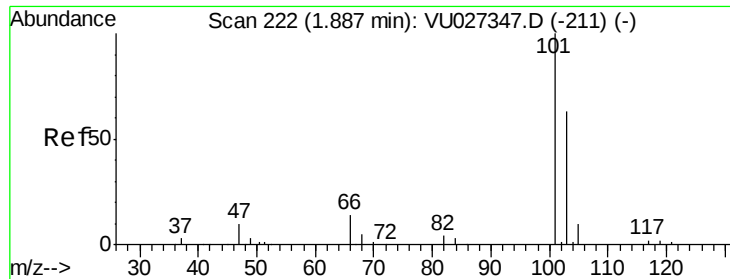
66 30.7 25.3 37.9



Abundance Ion 64.00 (63.70 to 64.70): VU027344.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VU027344.D (-154) (-)





#7

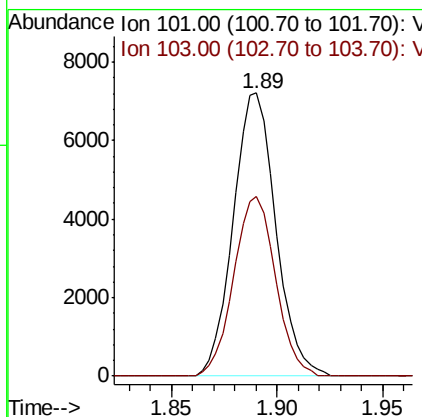
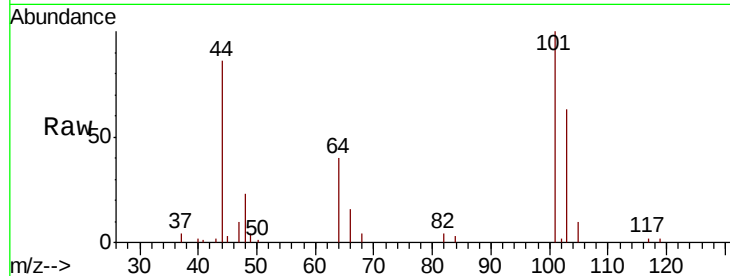
Trichlorofluoromethane
Concen: 1.194 ug/l
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.8	76.2

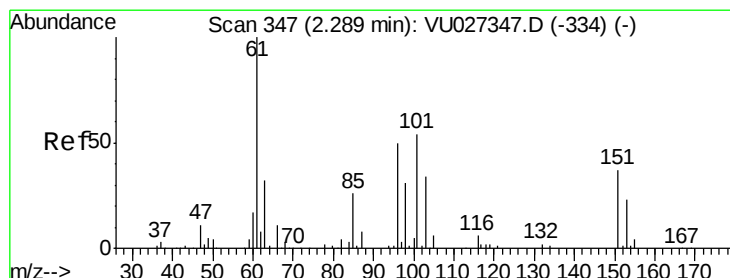
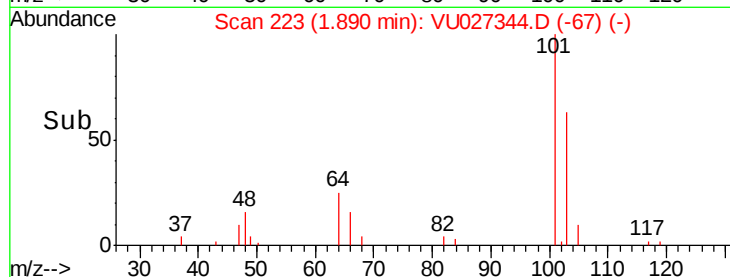
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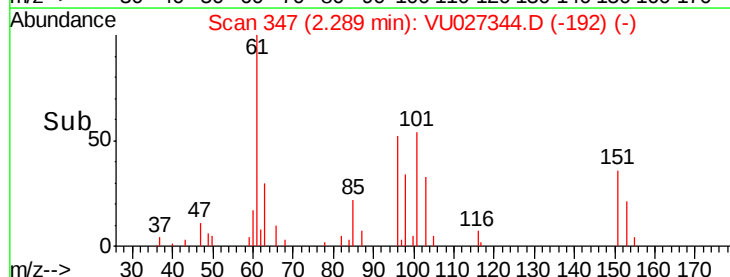
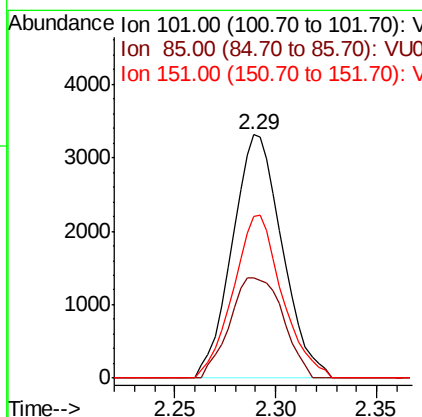
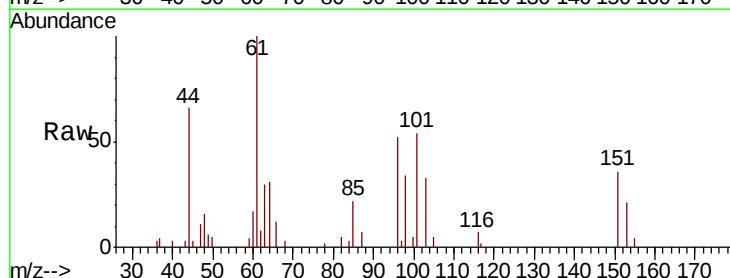
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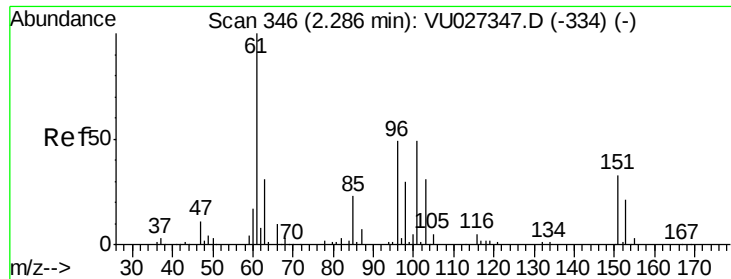


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.162 ug/l
RT: 2.29 min Scan# 347
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.9	37.6	56.4
151	65.5	54.6	81.8





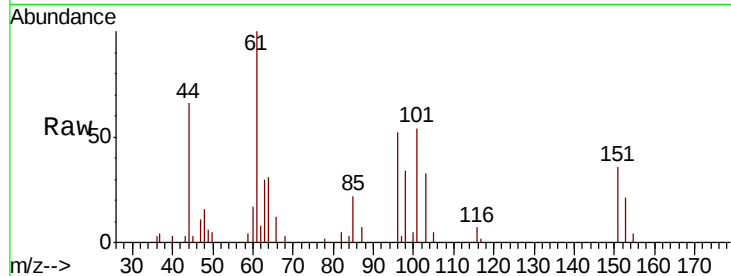
#9
 1,1-Dichloroethene
 Concen: 1.021 ug/l
 RT: 2.29 min Scan# 347
 Delta R.T. 0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	193.1	0.0	614.1
98	66.4	0.0	123.4

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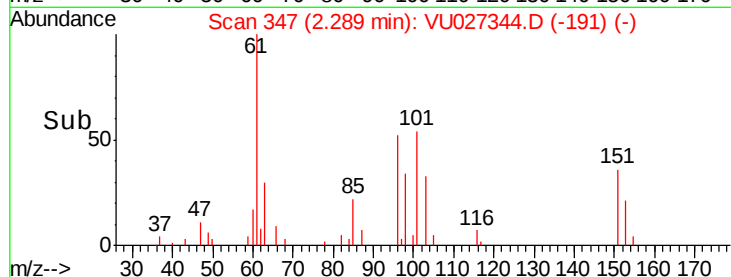
Abundance

Ion 96.00 (95.70 to 96.70): VU027344.D (-191) (-)

Ion 61.00 (60.70 to 61.70): VU027344.D (-191) (-)

Ion 98.00 (97.70 to 98.70): VU027344.D (-191) (-)

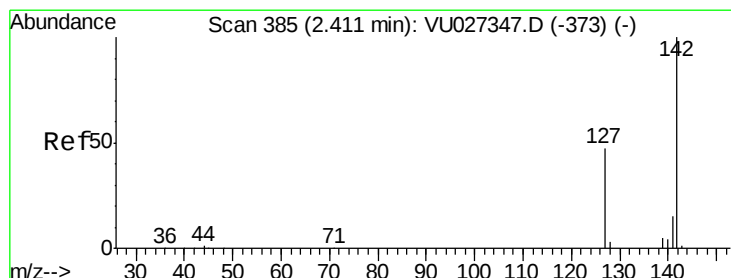
Time-->



Time-->

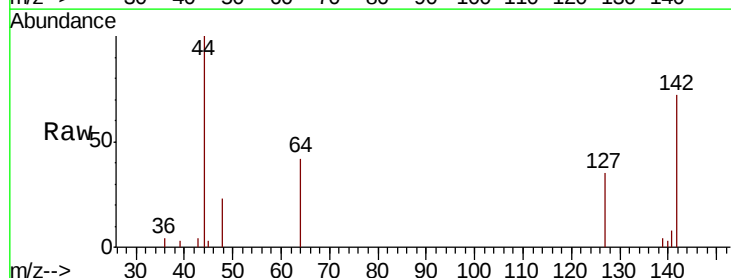
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#10
 Iodomethane
 Concen: 1.225 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
142	100		
127	49.7	38.3	57.5

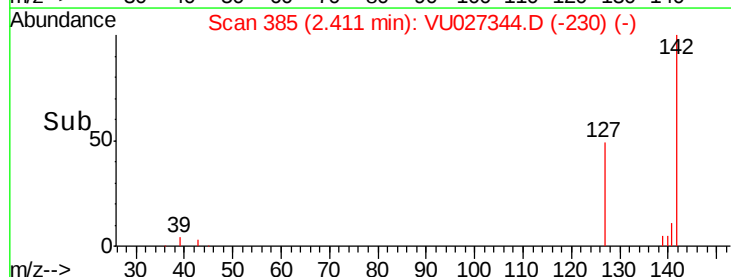


Abundance

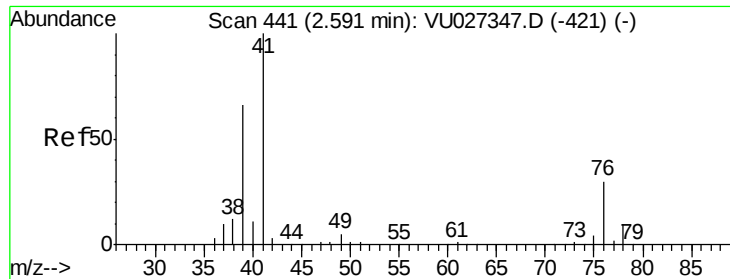
Ion 142.00 (141.70 to 142.70): VU027344.D (-230) (-)

Ion 127.00 (126.70 to 127.70): VU027344.D (-230) (-)

Time-->



Time-->



#11

Allvl Chloride

Concen: 1.466 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 12984

Ion Ratio Lower Upper

41 100

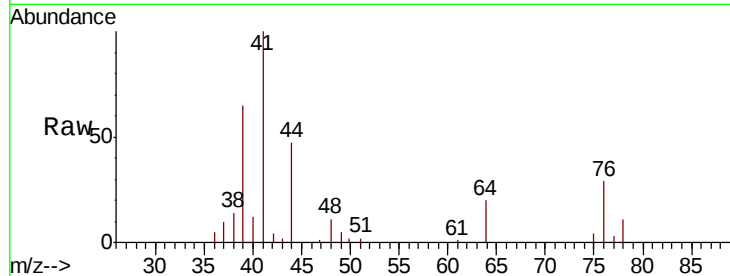
39 64.9 52.2 78.4

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Abundance Ion 41.00 (40.70 to 41.70): VU027344.D (-421) (-)

Ion 39.00 (38.70 to 39.70): VU027344.D (-421) (-)

2.59

8000

6000

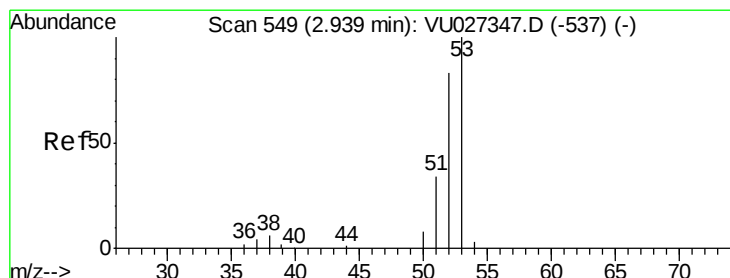
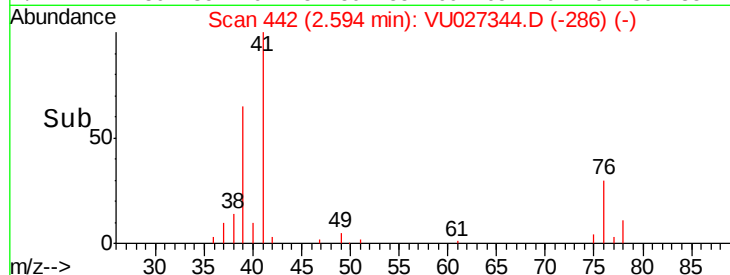
4000

2000

0

Time-->

2.50 2.55 2.60 2.65 2.70



#12

Acrylonitrile

Concen: 2.743 ug/l

RT: 2.94 min Scan# 550

Delta R.T. 0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

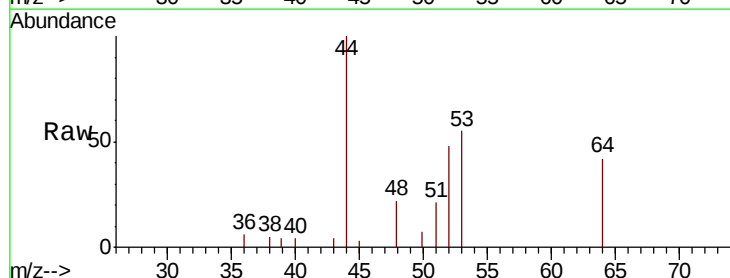
Tgt Ion: 53 Resp: 3313

Ion Ratio Lower Upper

53 100

52 87.5 67.0 100.4

51 37.0 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VU027344.D (-537) (-)

Ion 52.00 (51.70 to 52.70): VU027344.D (-537) (-)

Ion 51.00 (50.70 to 51.70): VU027344.D (-537) (-)

2.94

2000

1500

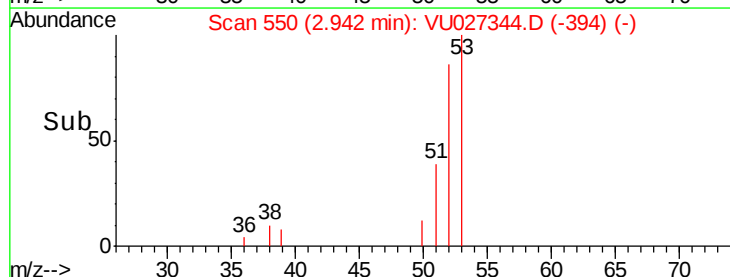
1000

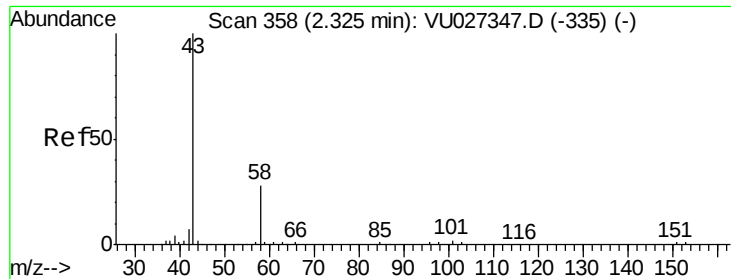
500

0

Time-->

2.90 2.95 3.00





#13

Acetone

Concen: 7.154 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 7840

Ion Ratio Lower Upper

43 100

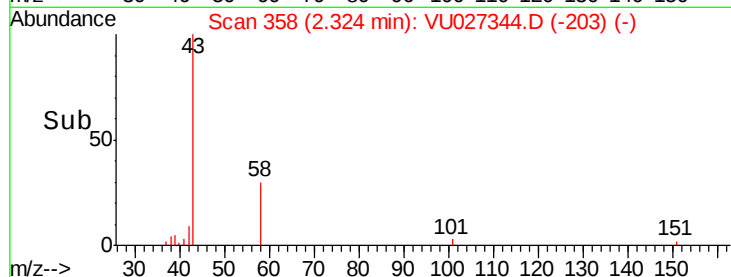
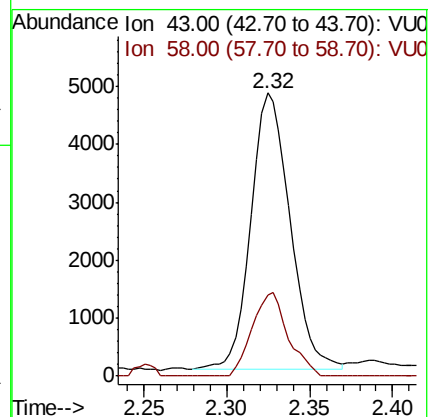
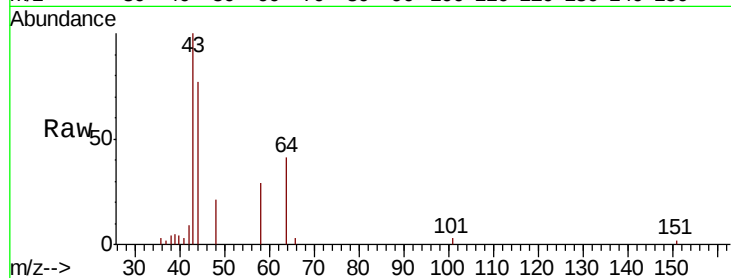
58 29.6 22.6 34.0

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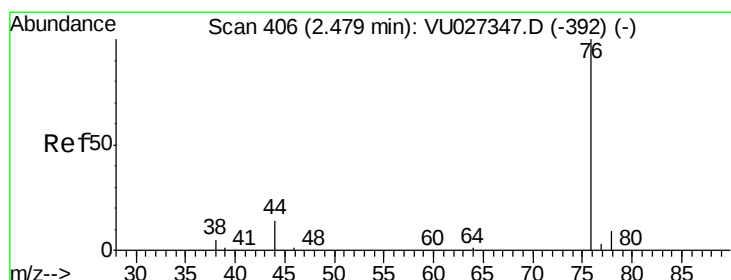
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#14

Carbon Disulfide

Concen: 1.135 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027344.D

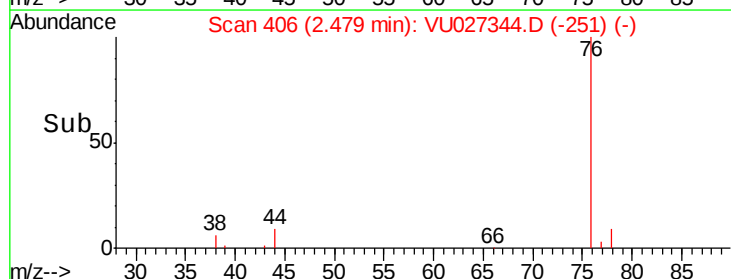
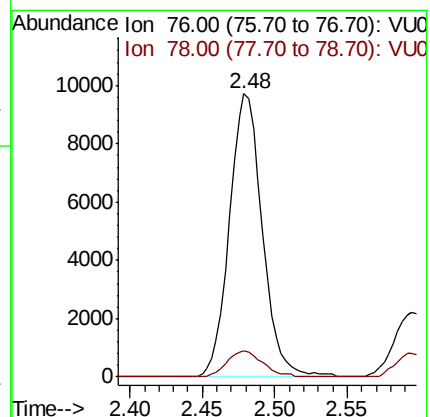
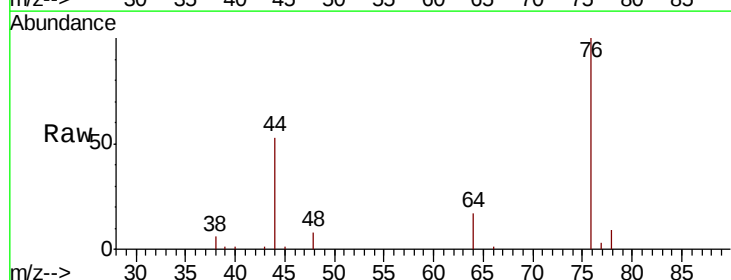
Acq: 02 Oct 2018 15:41

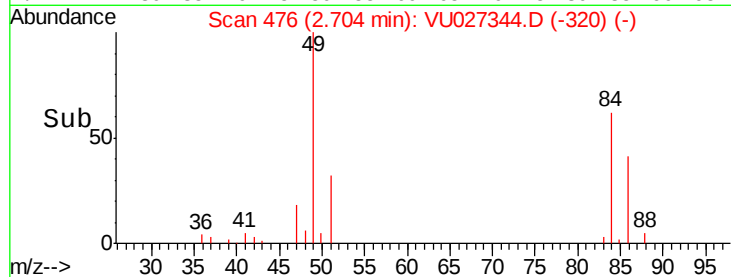
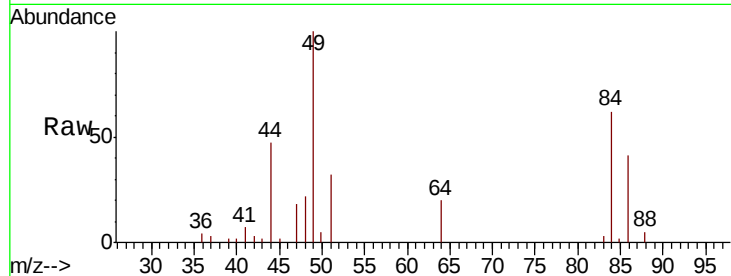
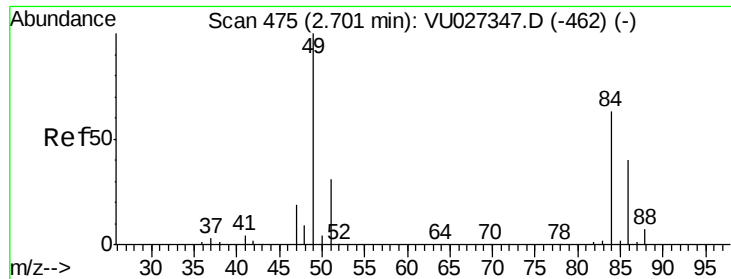
Tgt Ion: 76 Resp: 15279

Ion Ratio Lower Upper

76 100

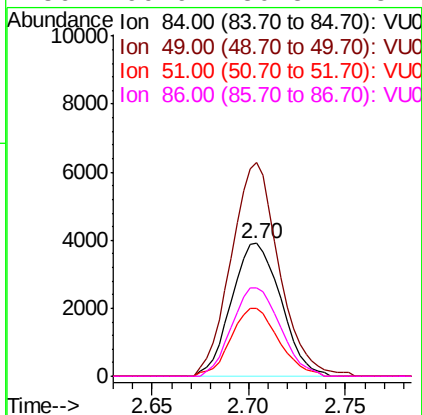
78 9.0 7.3 10.9





#15
Methvlene Chloride
Concen: 1.232 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tot Ion:	84	Resp:	6936
Ion	Ratio	Lower	Upper
84	100		
49	160.5	126.0	189.0
51	50.7	0.0	97.4
86	66.6	50.5	75.7



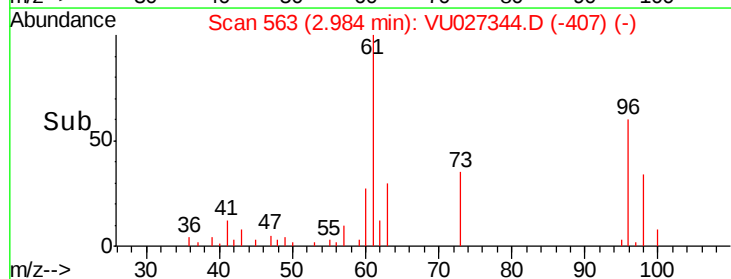
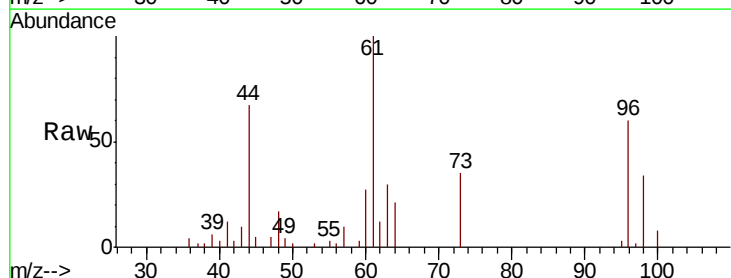
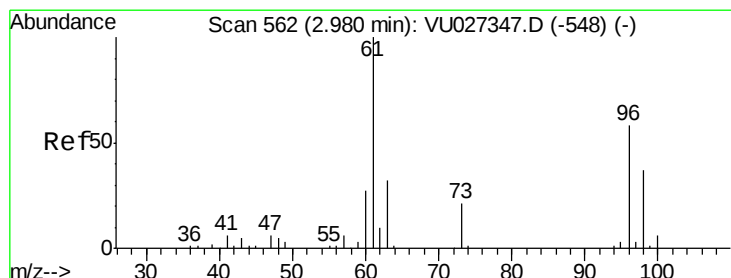
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

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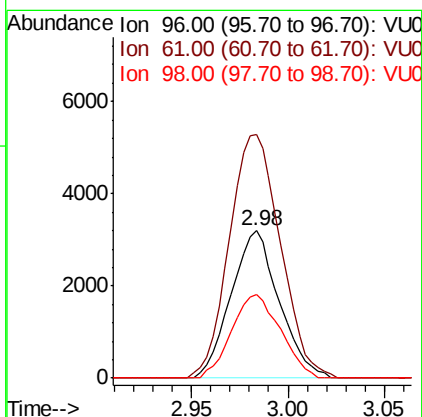
apatel

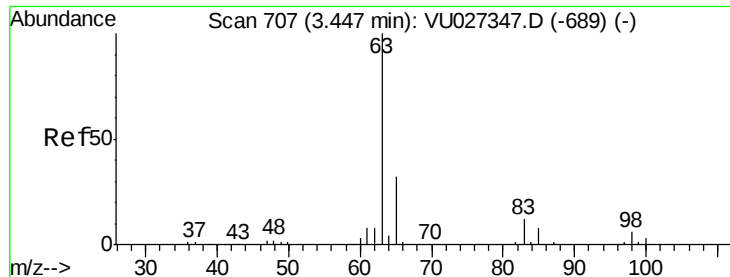
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#16
trans-1,2-Dichloroethene
Concen: 1.117 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion:	96	Resp:	5544
Ion	Ratio	Lower	Upper
96	100		
61	165.3	138.2	207.4
98	56.6	51.5	77.3





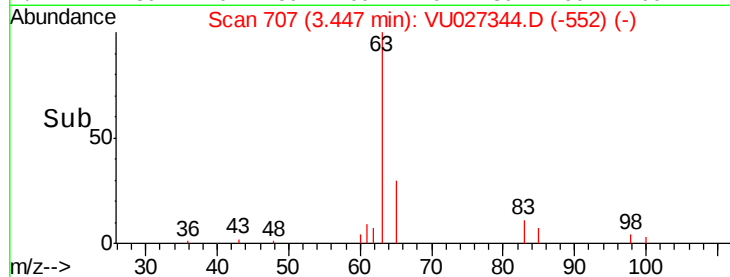
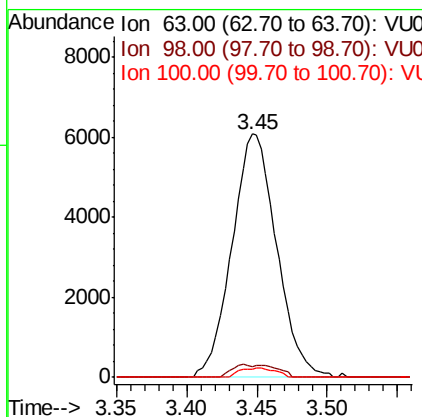
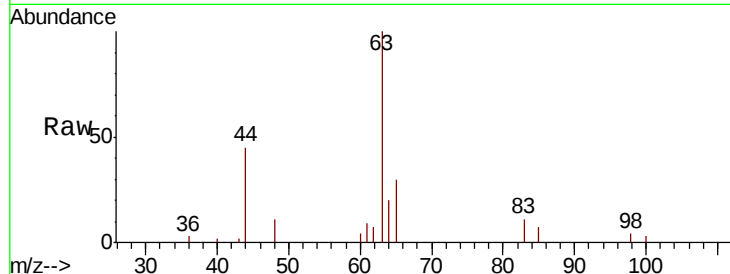
#17
 1,1-Dichloroethane
 Concen: 1.275 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	63	Resp:	13444
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.9	8.6
100	3.3	1.8	5.3

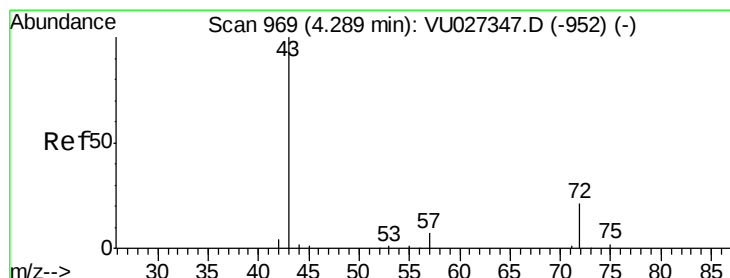
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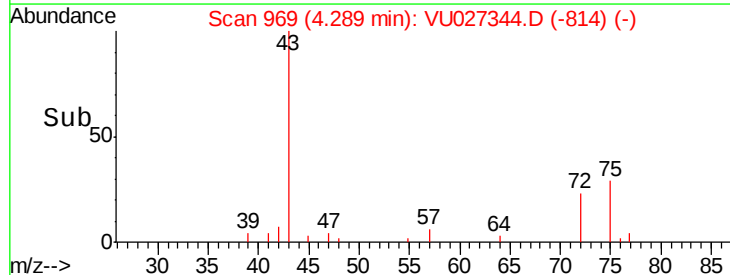
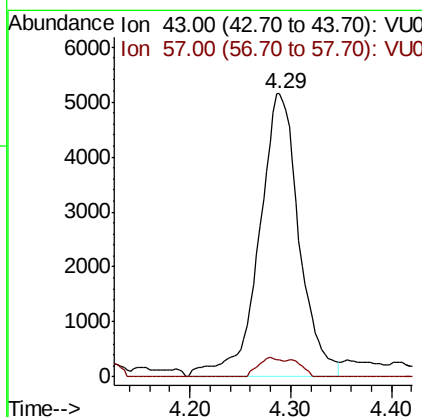
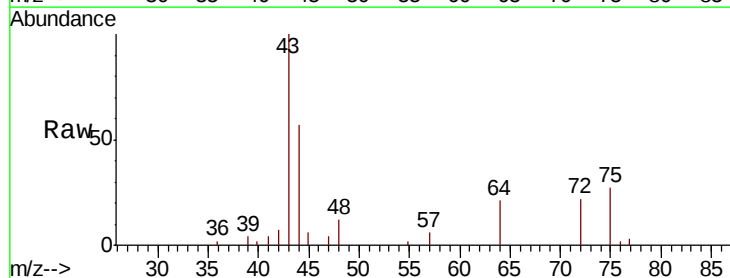
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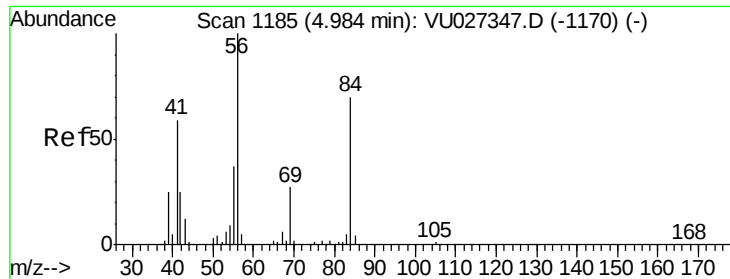
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#18
 2-Butanone
 Concen: 7.992 ug/l
 RT: 4.29 min Scan# 969
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Tgt Ion:	43	Resp:	14212
Ion	Ratio	Lower	Upper
43	100		
57	5.9	0.0	14.4





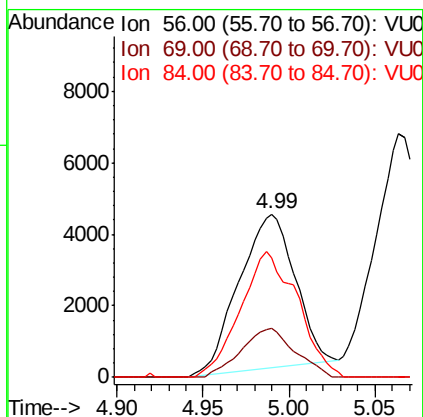
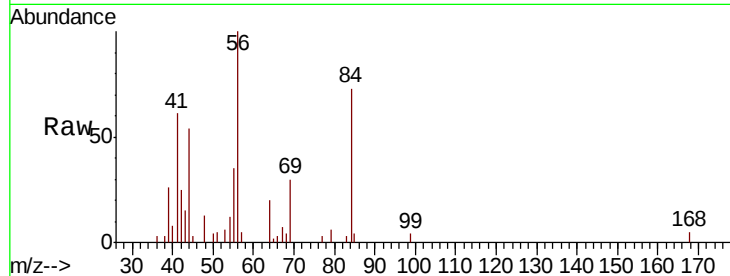
#19
Cyclohexane
Concen: 1.111 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. 0.01 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.9	37.3
84	83.2	63.0	94.6

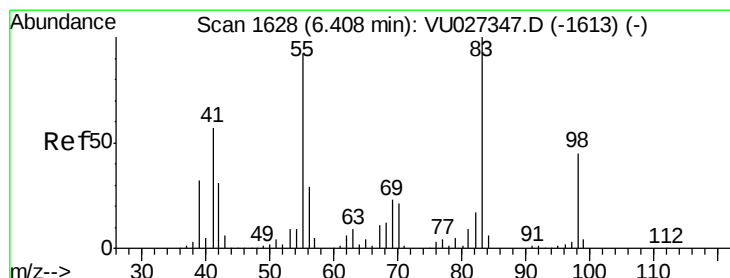
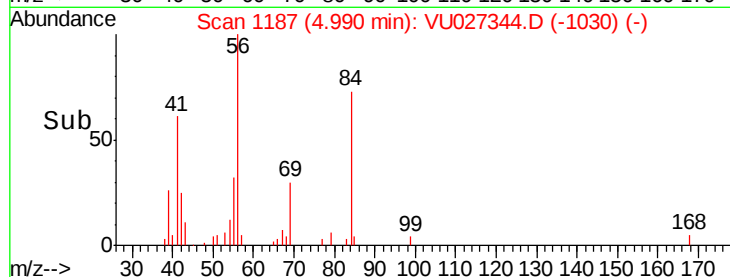
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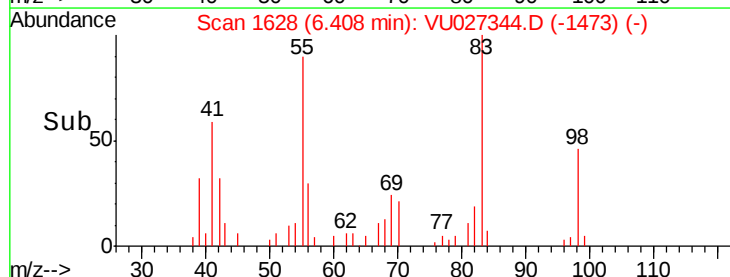
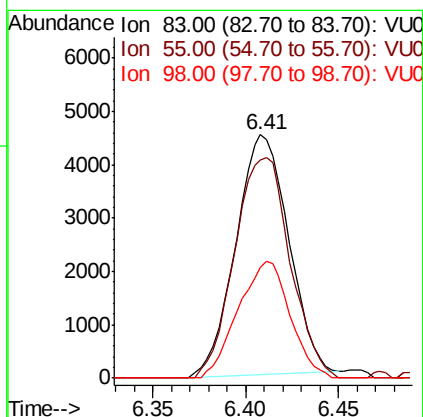
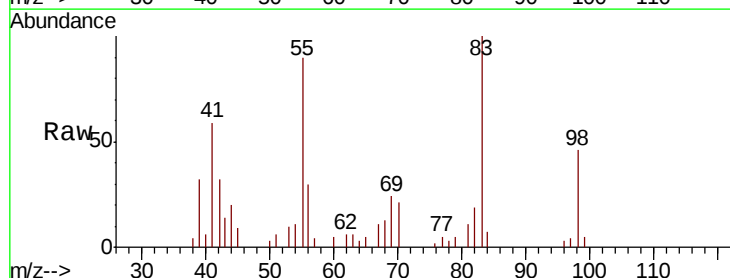
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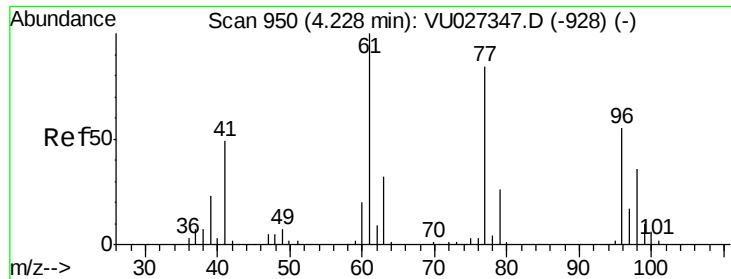
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#20
Methylcyclohexane
Concen: 0.944 ug/l
RT: 6.41 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
83	100		
55	96.3	71.6	107.4
98	47.6	35.8	53.6





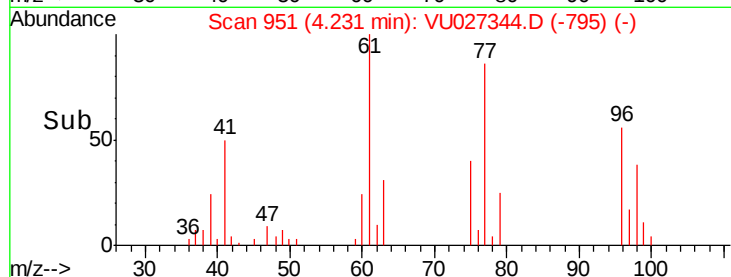
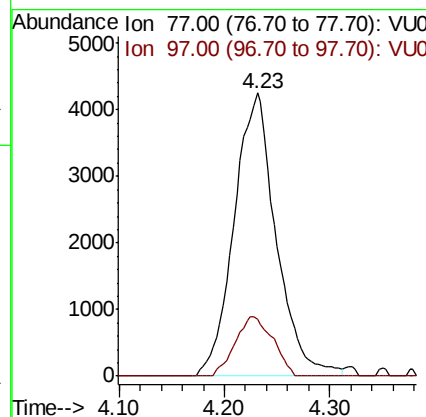
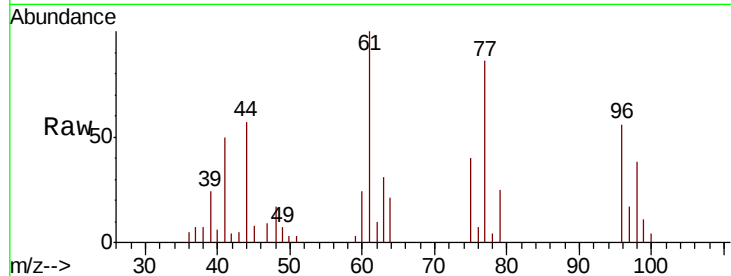
#21
 2,2-Dichloropropane
 Concen: 1.474 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tot Ion: 77 Resp: 11776
 Ion Ratio Lower Upper
 77 100
 97 18.8 16.0 24.0

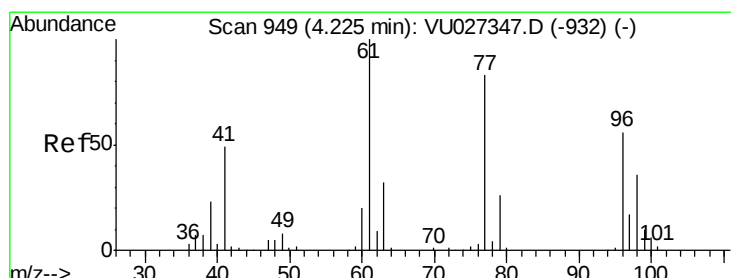
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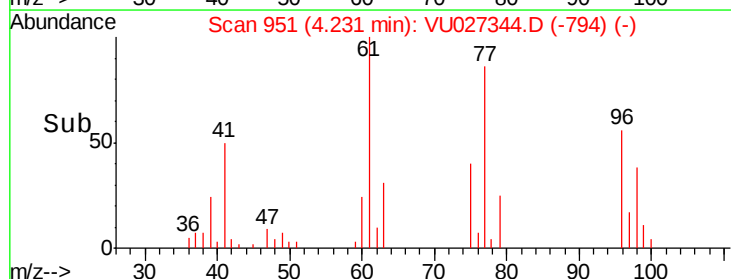
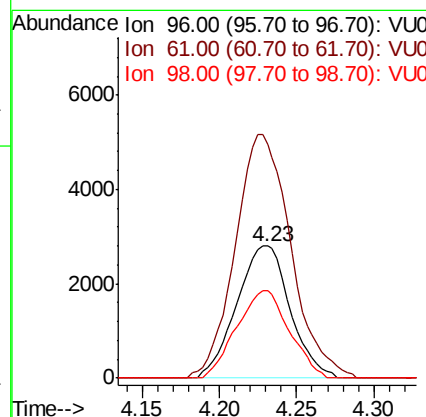
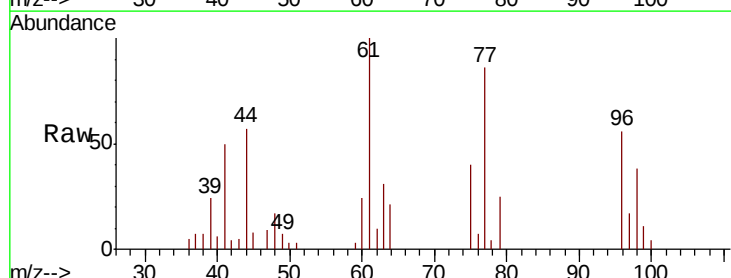
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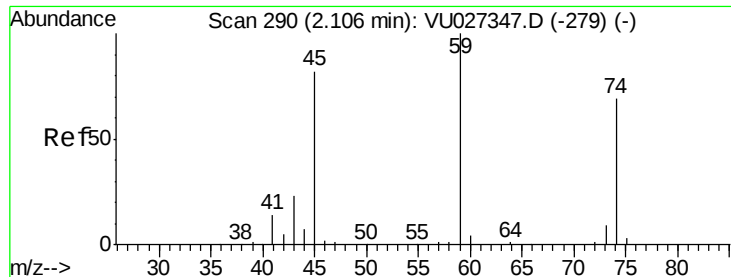
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#22
 cis-1,2-Dichloroethene
 Concen: 1.090 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Tgt Ion: 96 Resp: 6724
 Ion Ratio Lower Upper
 96 100
 61 191.4 0.0 461.8
 98 65.4 32.5 97.4





#23

Diethyl Ether

Concen: 1.232 ug/l

RT: 2.11 min Scan# 290

Delta R.T. -0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

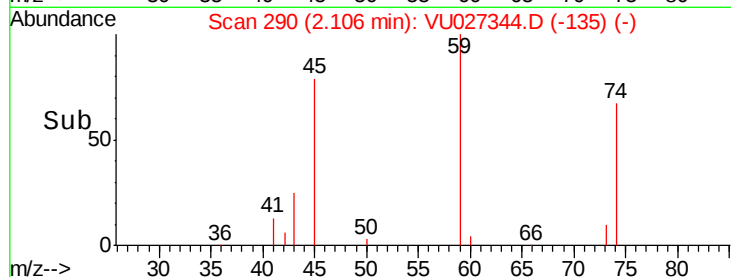
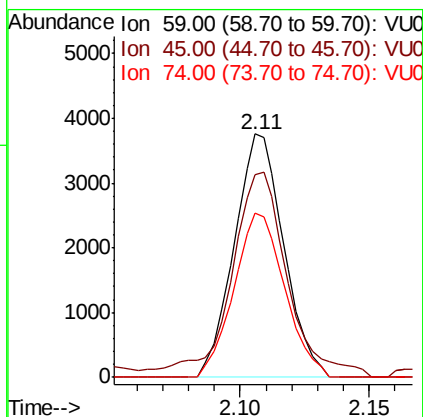
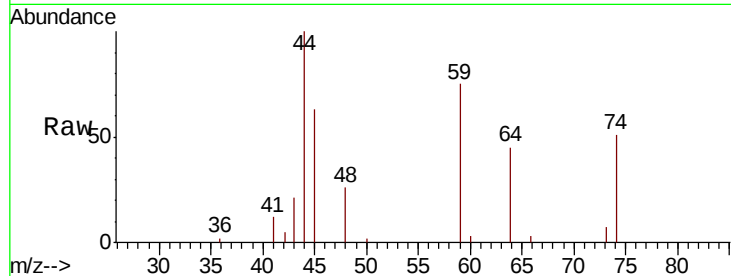
ClientSampleId :

VSTDIC001

Tot Ion:	59	Resp:	5023
Ion	Ratio	Lower	Upper
59	100		
45	96.4	65.2	97.8
74	69.4	54.2	81.4

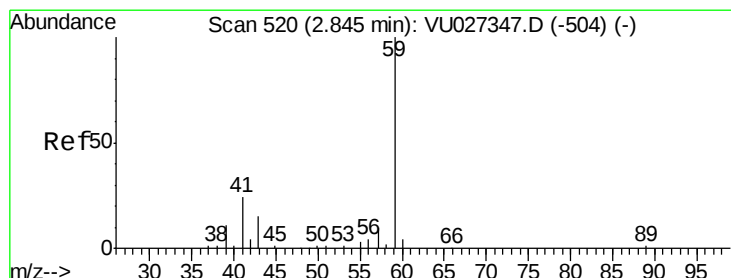
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#24

tert-Butyl Alcohol

Concen: 12.027 ug/l

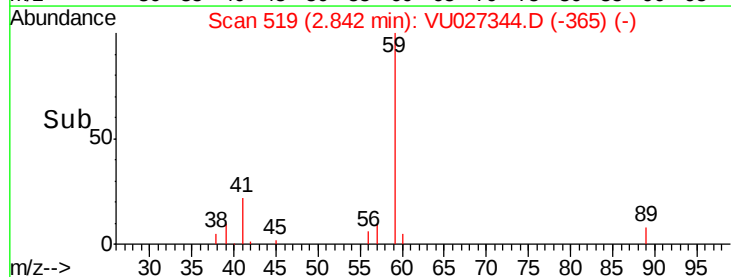
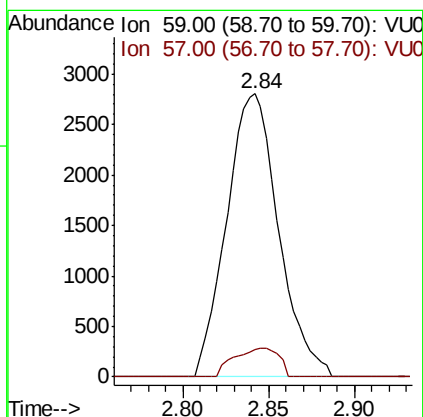
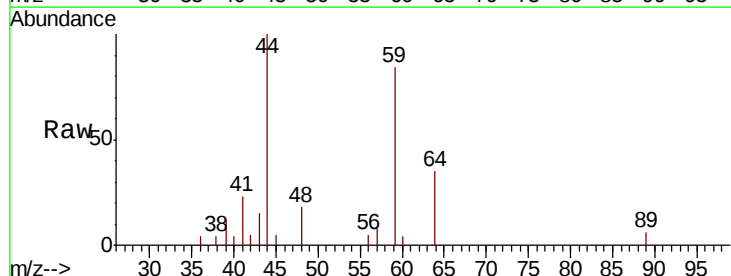
RT: 2.84 min Scan# 519

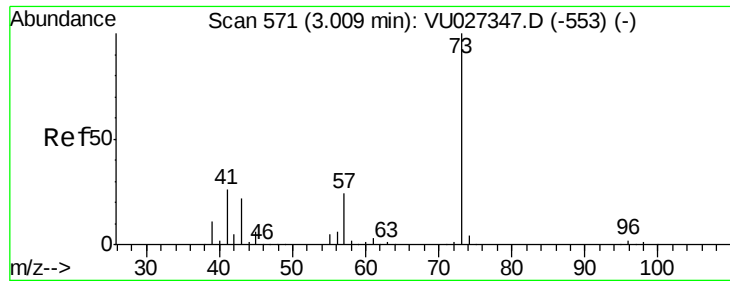
Delta R.T. -0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Tgt Ion:	59	Resp:	5909
Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.2	12.2





#25

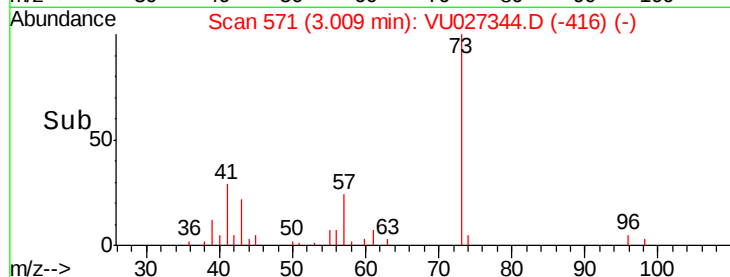
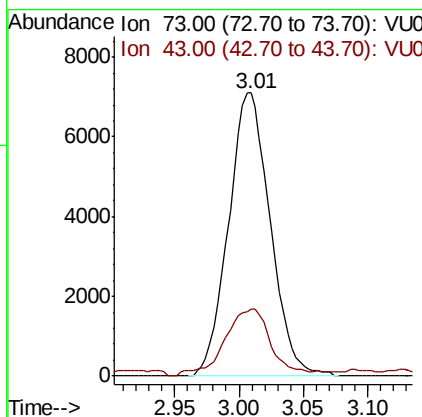
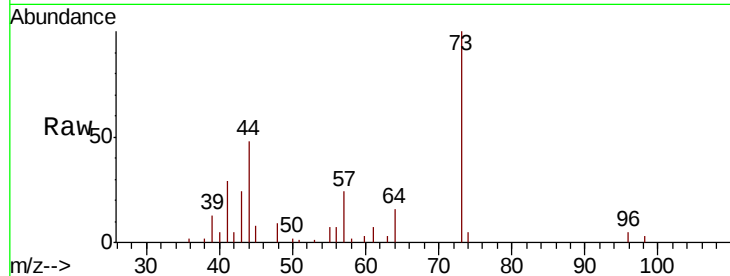
Methyl tert-Butyl Ether
Concen: 1.248 ug/l
RT: 3.01 min Scan# 571
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion: 73 Resp: 15958
Ion Ratio Lower Upper
73 100
43 26.5 17.6 26.4#

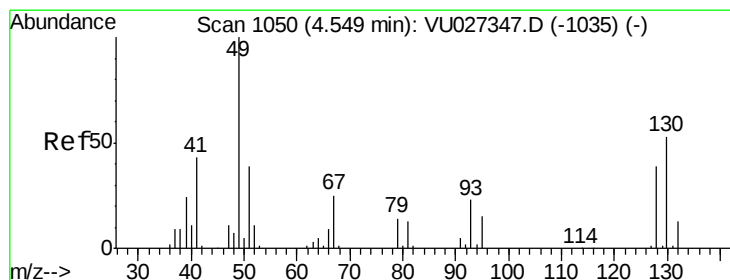
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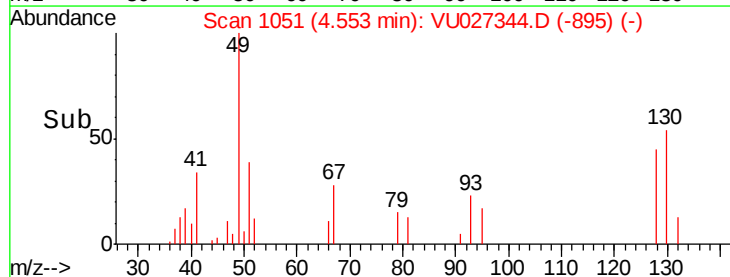
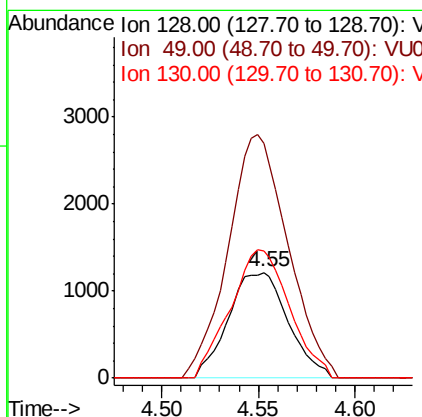
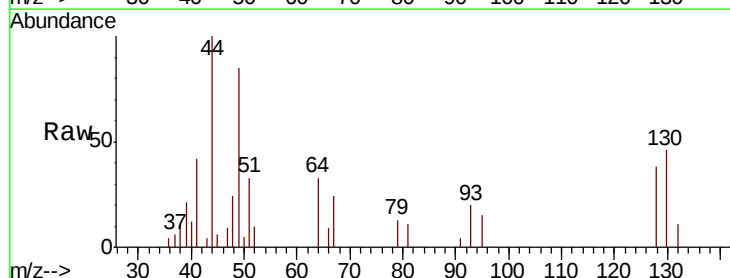
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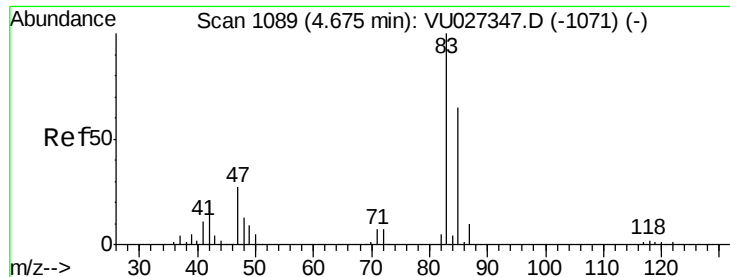


#26

Bromochloromethane
Concen: 0.997 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion: 128 Resp: 2601
Ion Ratio Lower Upper
128 100
49 231.6 0.0 498.8
130 120.8 103.8 155.8





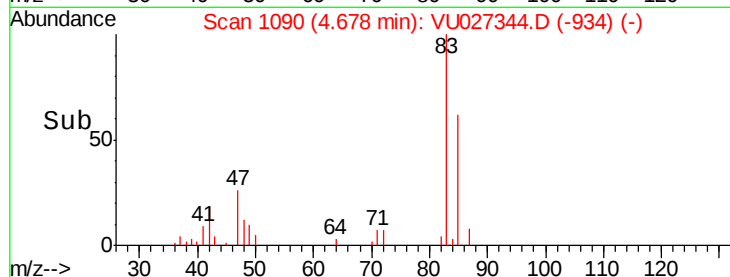
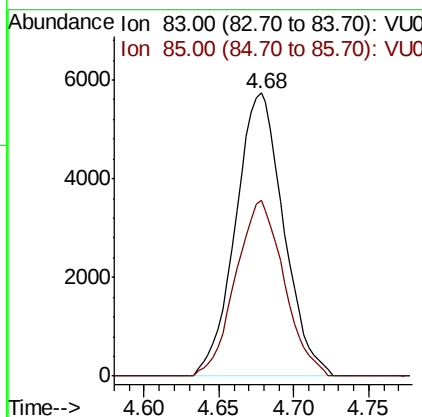
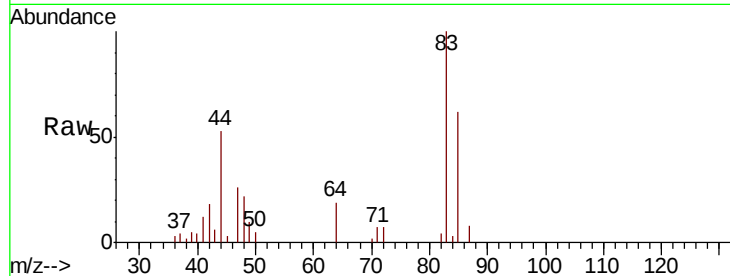
#27
Chloroform
Concen: 1.190 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 12822
Ion Ratio Lower Upper
83 100
85 62.2 0.0 129.4

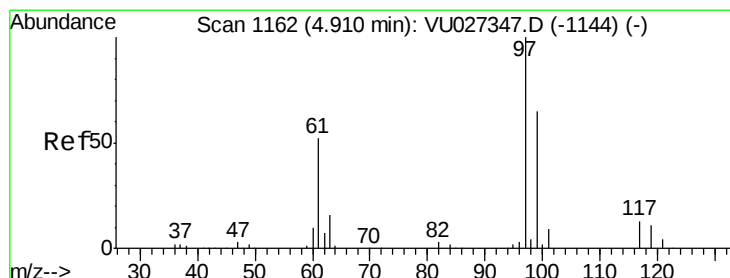
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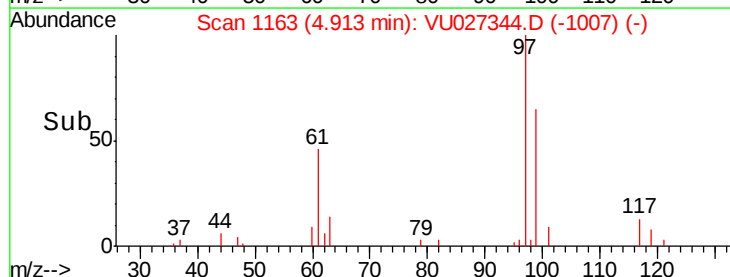
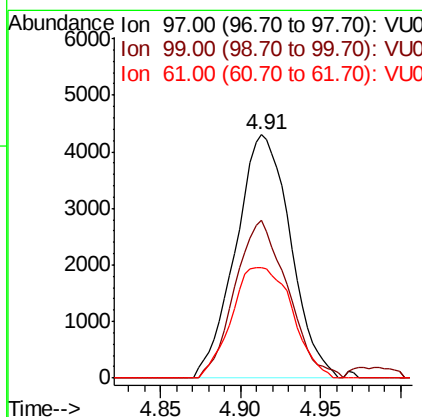
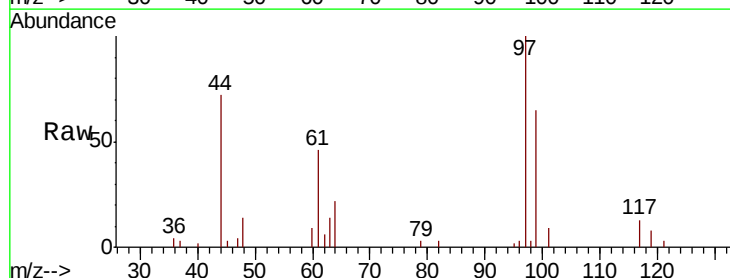
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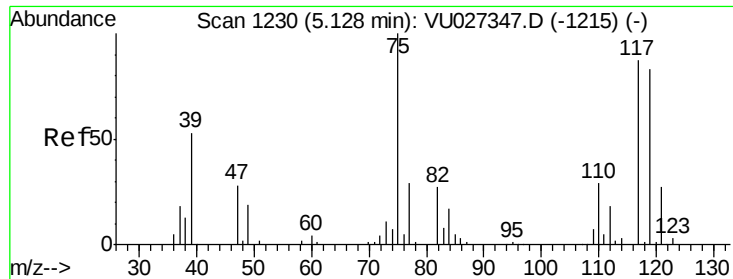
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#28
1,1,1-Trichloroethane
Concen: 1.196 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion: 97 Resp: 10098
Ion Ratio Lower Upper
97 100
99 62.1 31.9 95.9
61 50.0 25.7 77.1





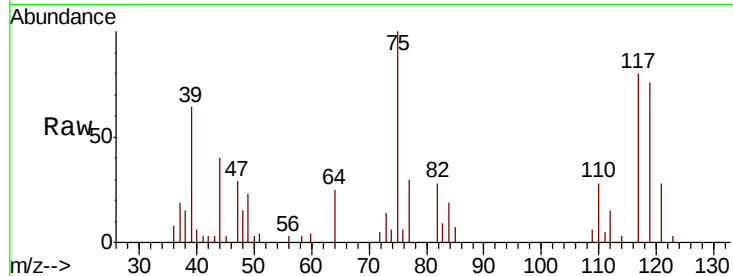
#29
1,1-Dichloropropene
Concen: 1.127 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	27.5	15.0	45.0
77	33.1	24.2	36.2

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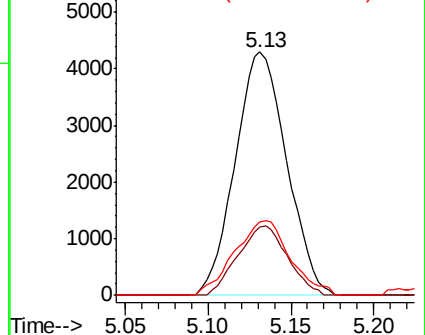


Abundance

Ion 75.00 (74.70 to 75.70): VU0

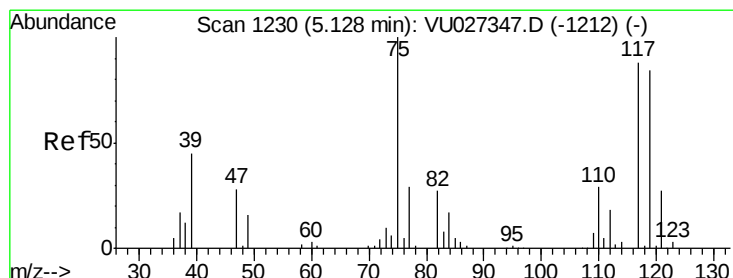
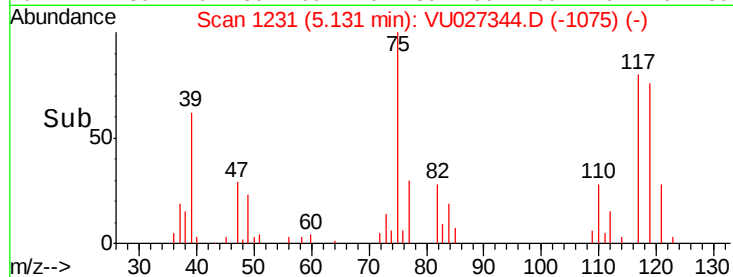
Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU0



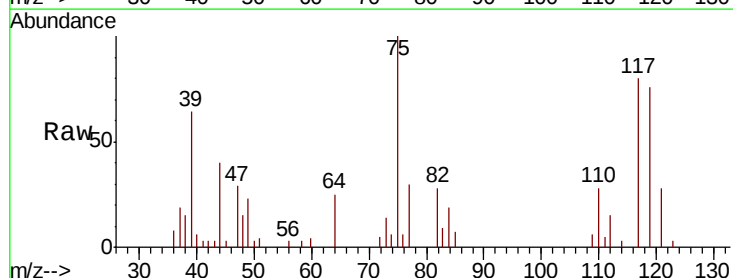
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#30
Carbon Tetrachloride
Concen: 1.148 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.9	113.9
121	34.9	24.6	37.0

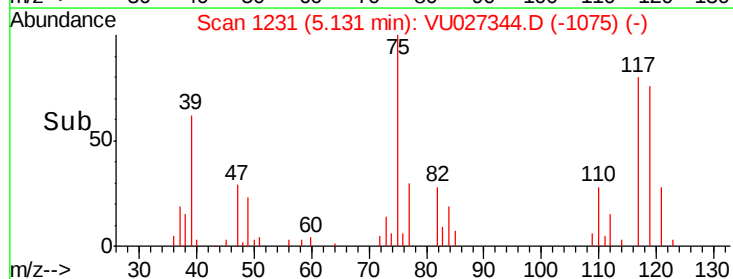
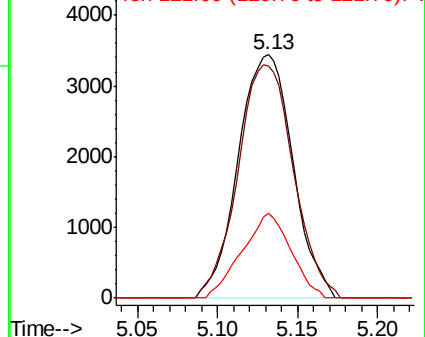


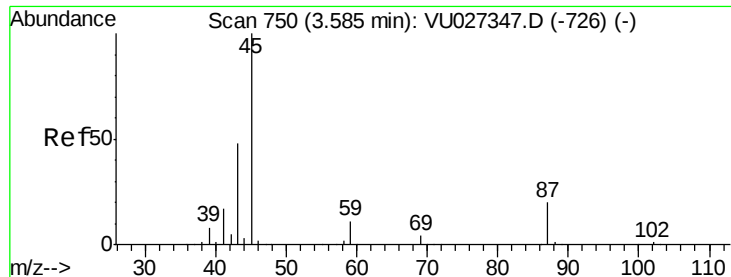
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#31

Isopropyl Ether

Concen: 1.393 ug/l

RT: 3.58 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 26140

Ion Ratio Lower Upper

45 100

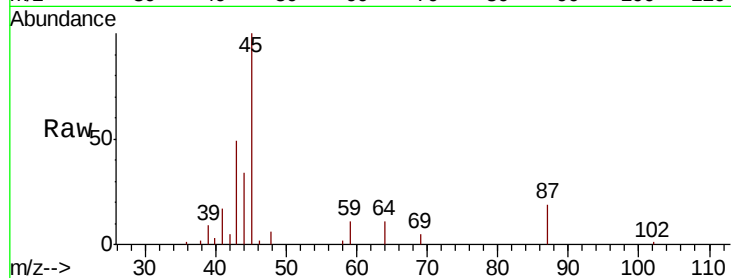
43 46.9 24.1 72.3

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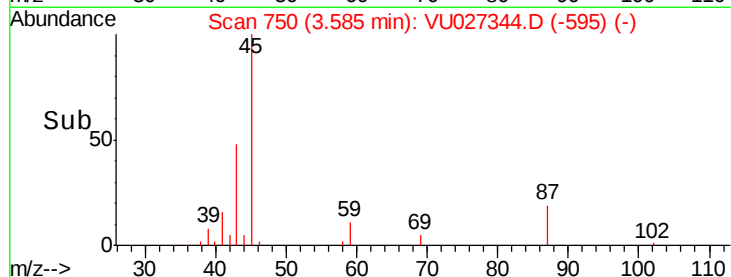
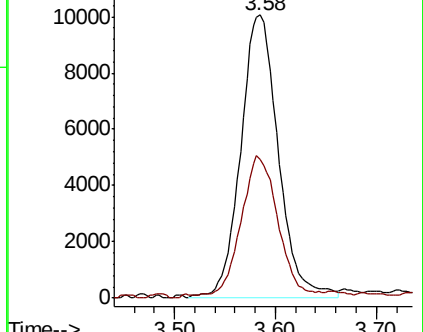
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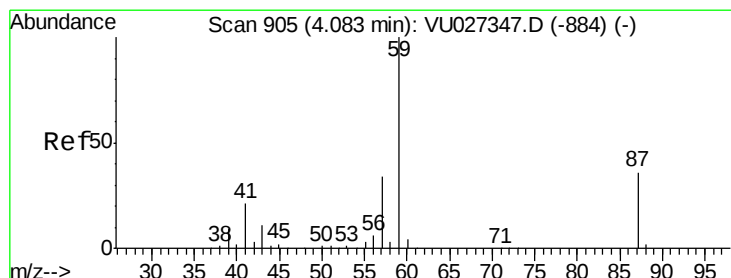
Abundance Ion 45.00 (44.70 to 45.70): VU027344.D (-726) (-)

Ion 43.00 (42.70 to 43.70): VU027344.D (-726) (-)



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#32

Ethyl-t-butyl ether

Concen: 1.269 ug/l

RT: 4.09 min Scan# 906

Delta R.T. 0.00 min

Lab File: VU027344.D

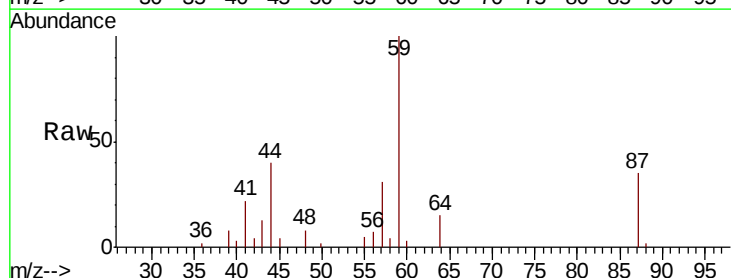
Acq: 02 Oct 2018 15:41

Tgt Ion: 59 Resp: 20172

Ion Ratio Lower Upper

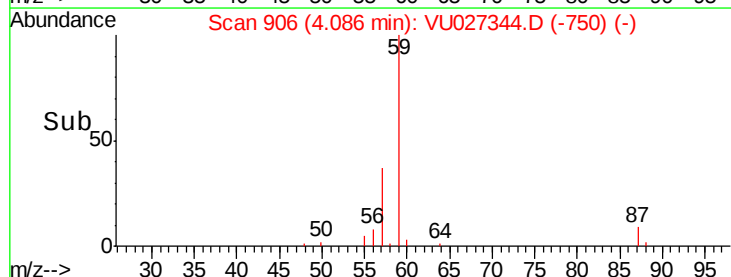
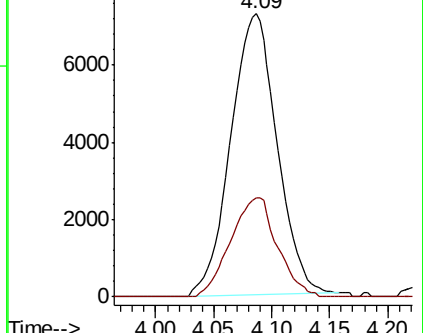
59 100

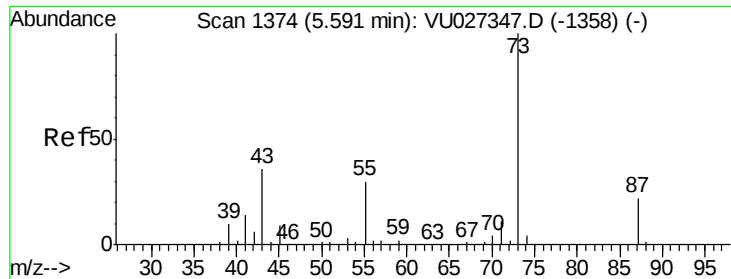
87 35.7 28.6 42.8



Abundance Ion 59.00 (58.70 to 59.70): VU027344.D (-750) (-)

Ion 87.00 (86.70 to 87.70): VU027344.D (-750) (-)





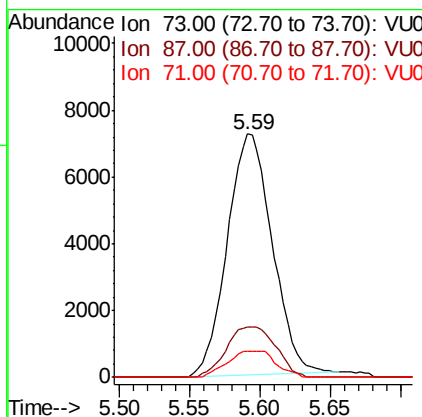
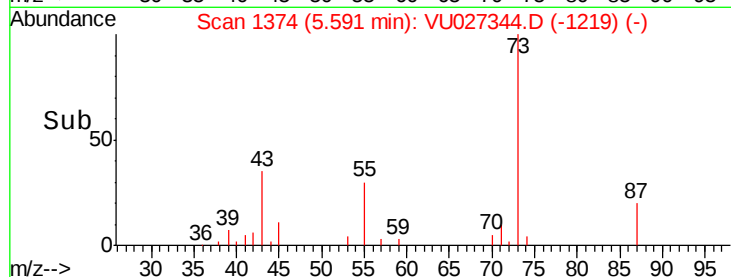
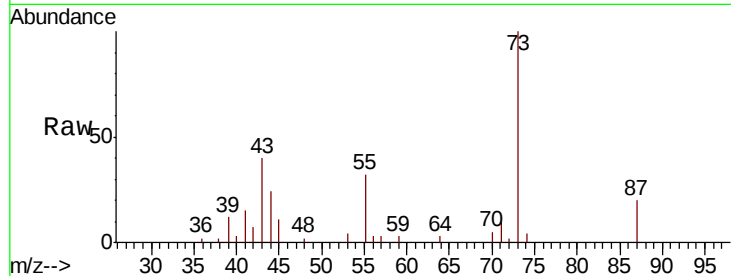
#33
Tert-Amvl methvl ether
Concen: 1.241 ug/l
RT: 5.59 min Scan# 1374
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion: 73 Resp: 16128
Ion Ratio Lower Upper
73 100
87 0.0 18.1 27.1#
71 11.6 9.2 13.8

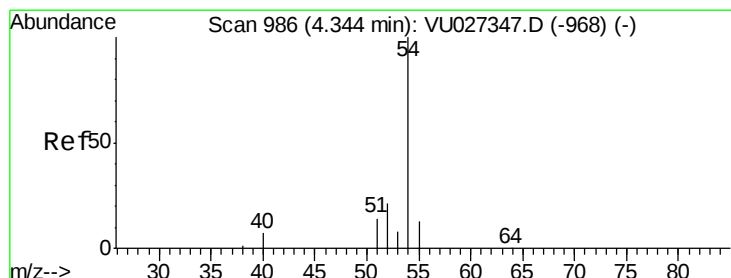
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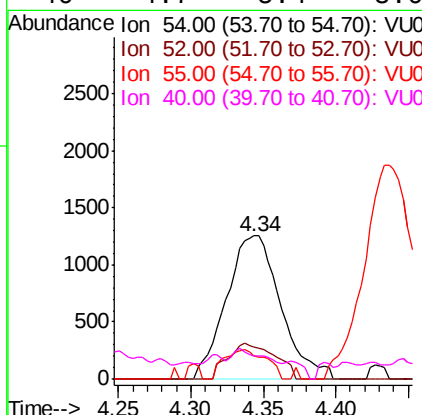
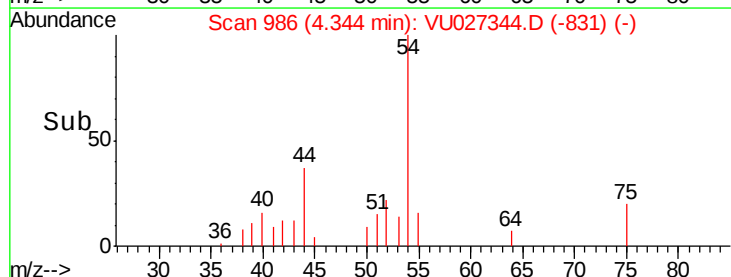
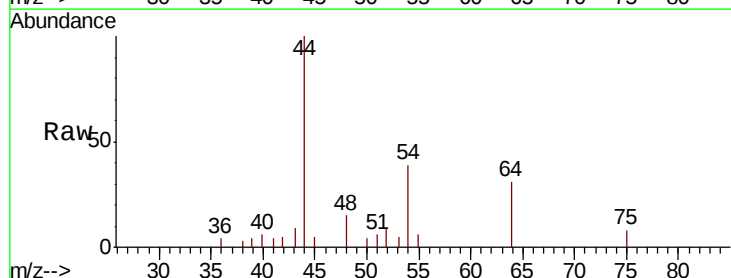
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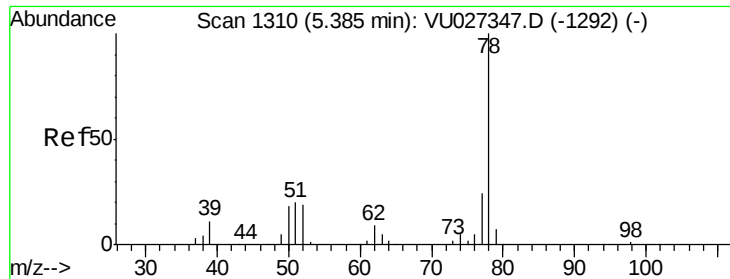
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#34
Propionitrile
Concen: 6.431 ug/l
RT: 4.34 min Scan# 986
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion: 54 Resp: 3275
Ion Ratio Lower Upper
54 100
52 21.7 16.9 25.3
55 15.9 13.9 20.9
40 4.7 5.4 8.0#





#35

Benzene

Concen: 1.133 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 27037

Ion Ratio Lower Upper

78 100

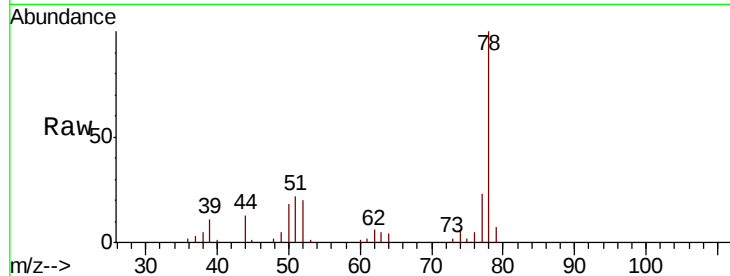
77 22.4 19.5 29.3

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Abundance Ion 78.10 (77.80 to 78.80): VU027344.D (-1292) (-)

Ion 77.00 (76.70 to 77.70): VU027344.D (-1292) (-)

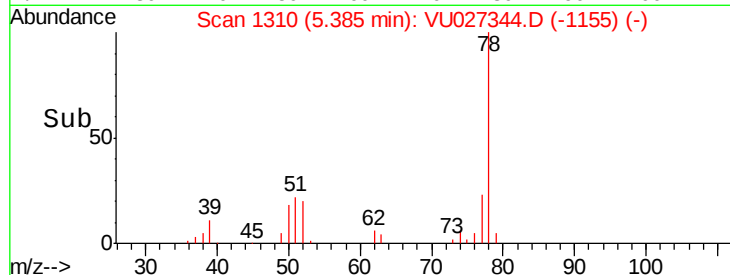
5.39

10000

5000

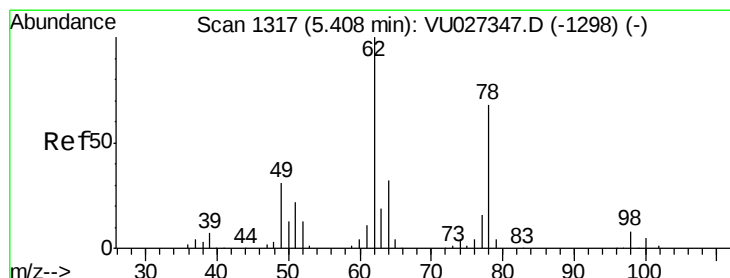
0

Time-->



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#36

1,2-Dichloroethane

Concen: 1.314 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU027344.D

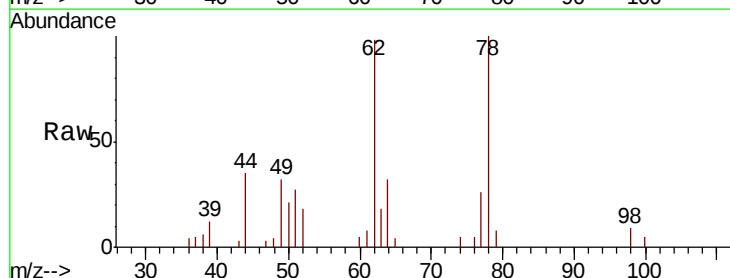
Acq: 02 Oct 2018 15:41

Tgt Ion: 62 Resp: 9035

Ion Ratio Lower Upper

62 100

98 7.3 6.2 9.2



Abundance Ion 62.00 (61.70 to 62.70): VU027344.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VU027344.D (-1317) (-)

5.41

5000

4000

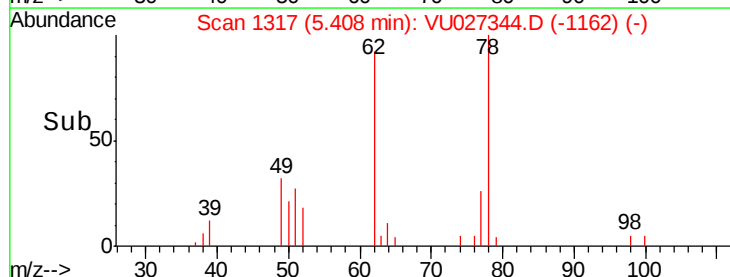
3000

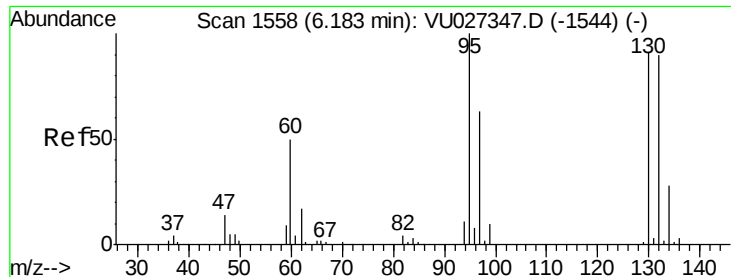
2000

1000

0

Time-->





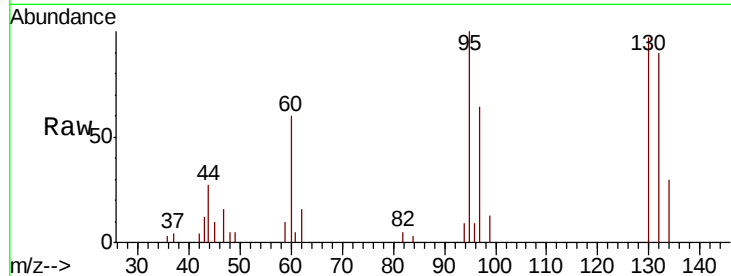
#37
 Trichloroethene
 Concen: 0.951 ug/l
 RT: 6.18 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

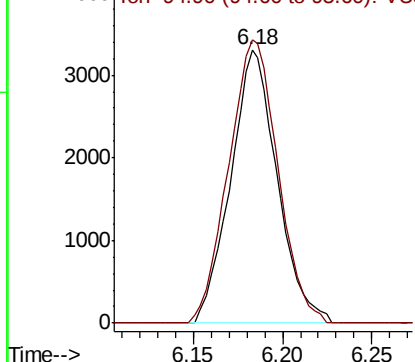
Tot Ion:130 Resp: 5994
 Ion Ratio Lower Upper
 130 100
 95 103.5 87.6 131.4

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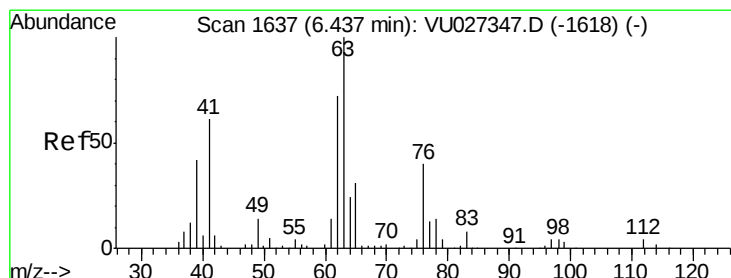
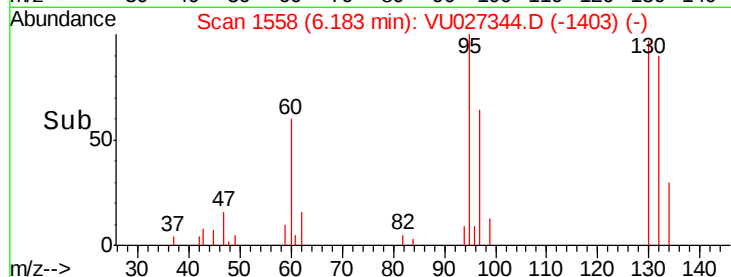


Abundance Ion 129.90 (129.60 to 130.60): VU027347.D (-1544) (-)
 Ion 94.90 (94.60 to 95.60): VU027347.D (-1544) (-)



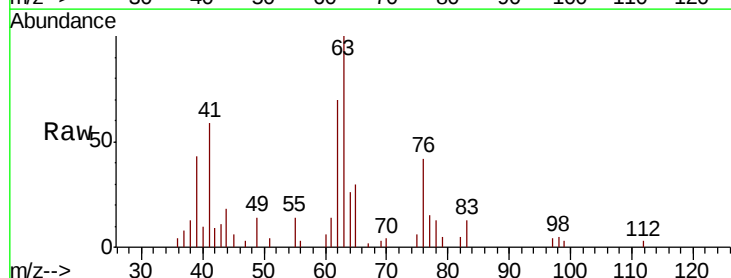
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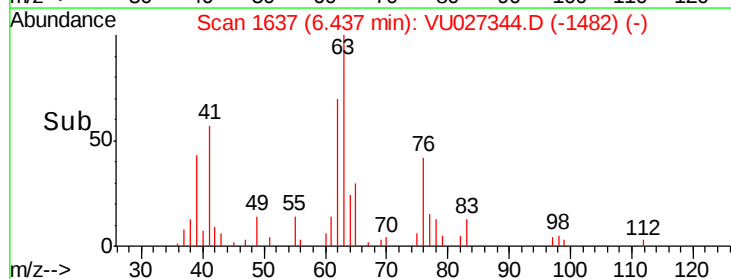
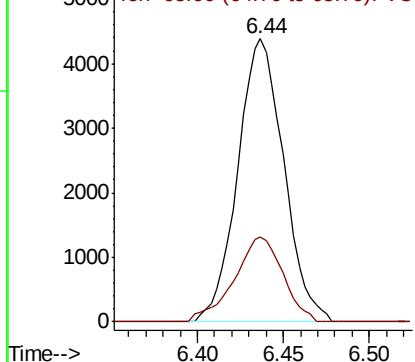


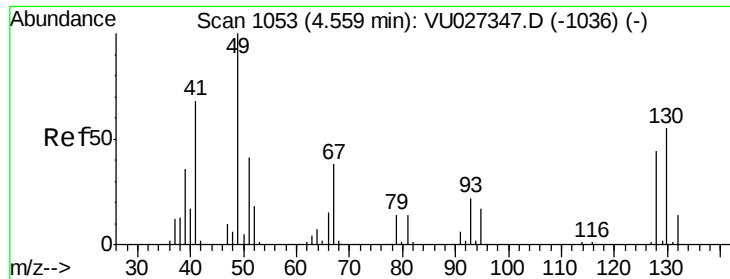
#38
 1,2-Dichloropropane
 Concen: 1.283 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Tgt Ion: 63 Resp: 8148
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU027344.D (-1482) (-)
 Ion 65.00 (64.70 to 65.70): VU027344.D (-1482) (-)





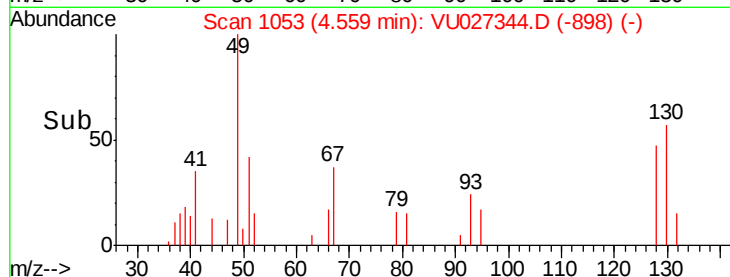
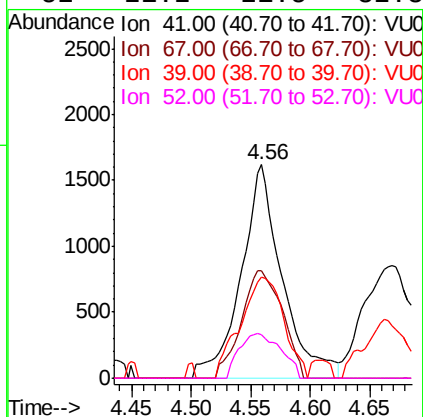
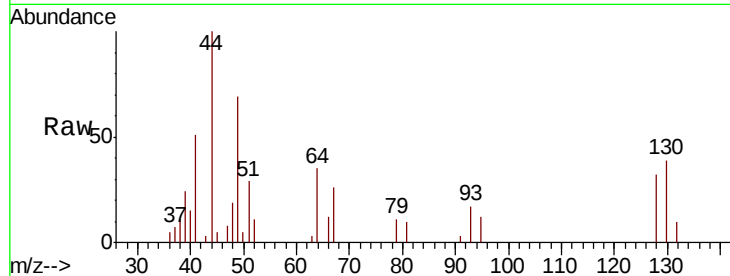
#39
Methacrylonitrile
Concen: 1.710 ug/l
RT: 4.56 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
67	50.0	46.2	69.2
39	50.1	43.8	65.6
52	21.2	21.5	32.3#

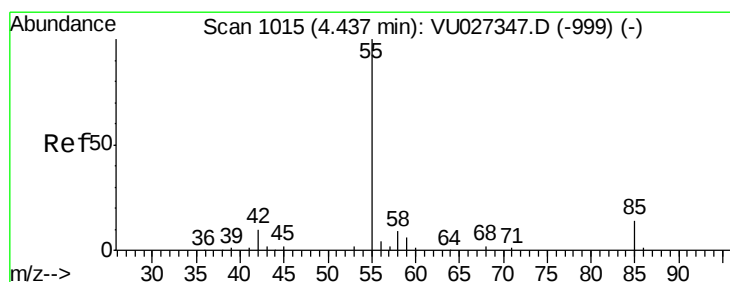
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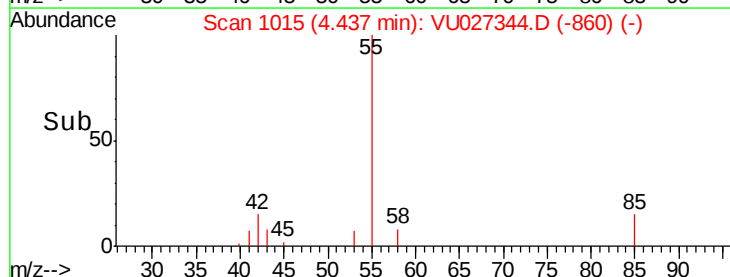
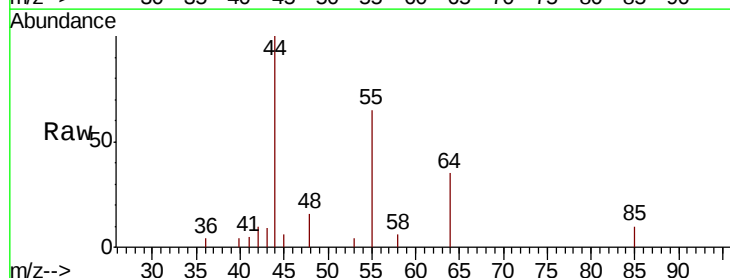
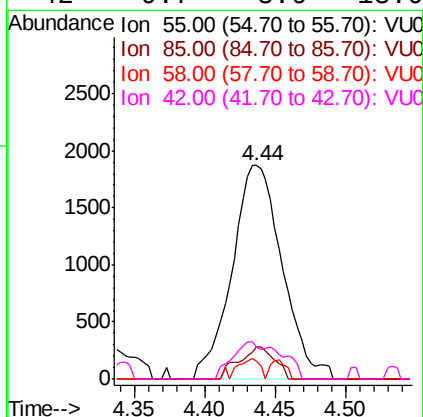
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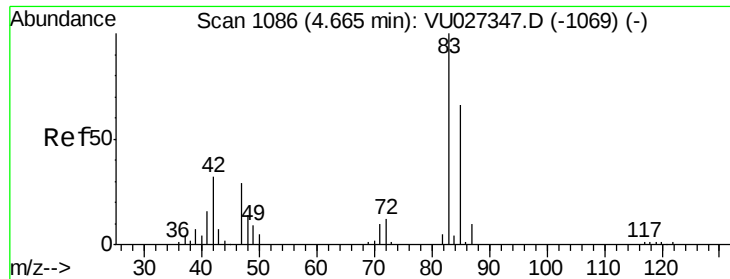
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#40
Methyl acrylate
Concen: 1.452 ug/l
RT: 4.44 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
55	100		
85	10.8	11.8	17.8#
58	4.4	7.3	10.9#
42	9.7	8.6	13.0





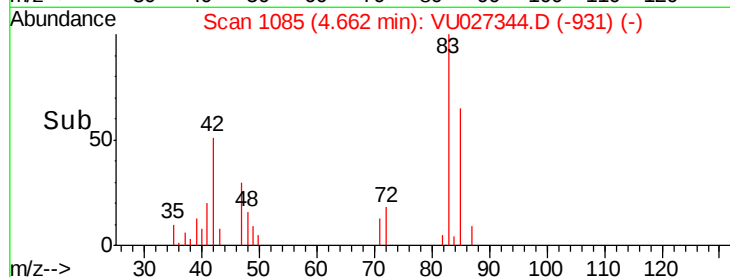
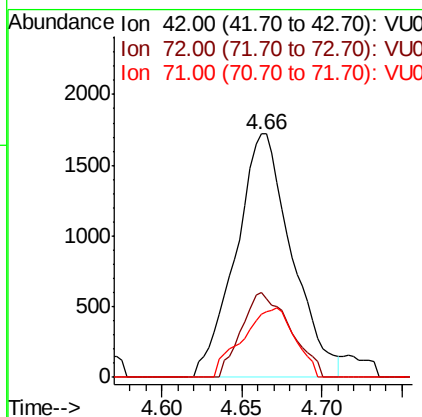
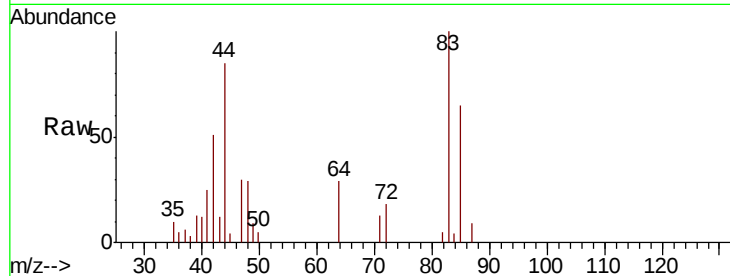
#41
Tetrahydrofuran
Concen: 3.337 ug/l
RT: 4.66 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	30.4	29.2	43.8
71	26.5	25.8	38.8

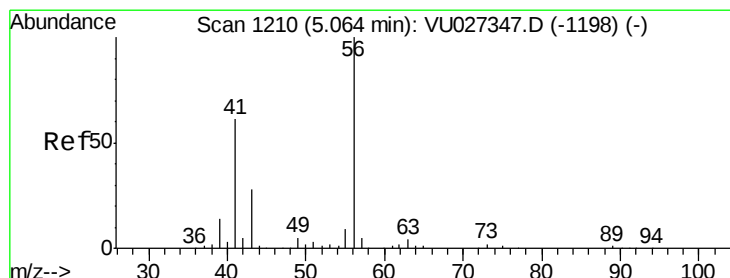
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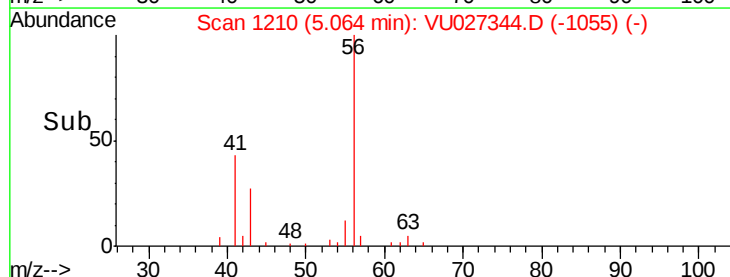
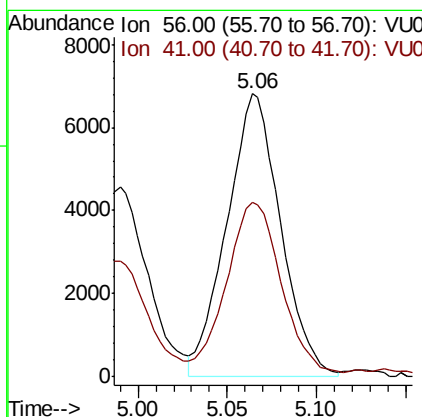
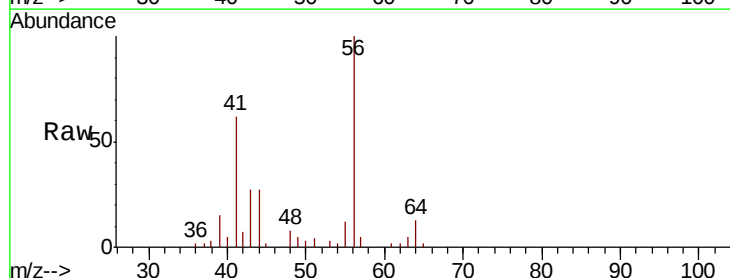
apatel

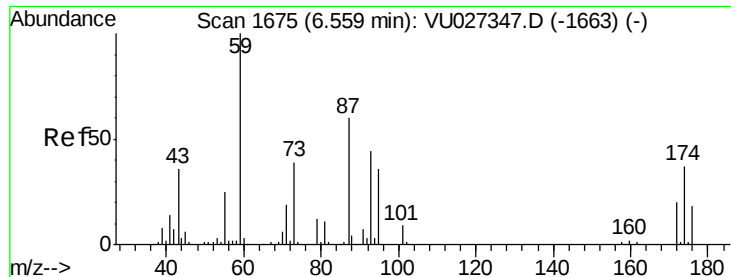
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#42
1-Chlorobutane
Concen: 1.188 ug/l
RT: 5.06 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
56	100		
41	60.9	28.7	86.3





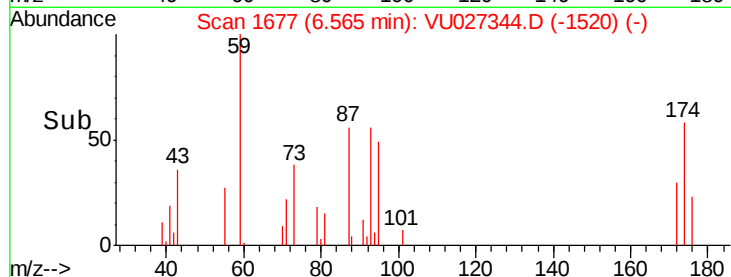
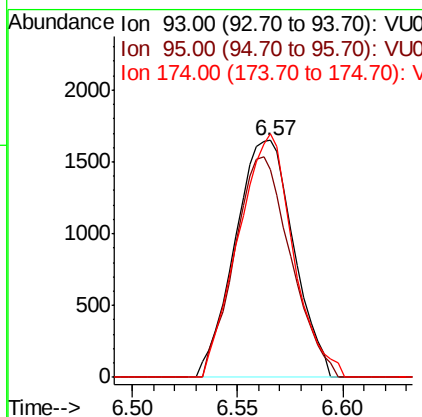
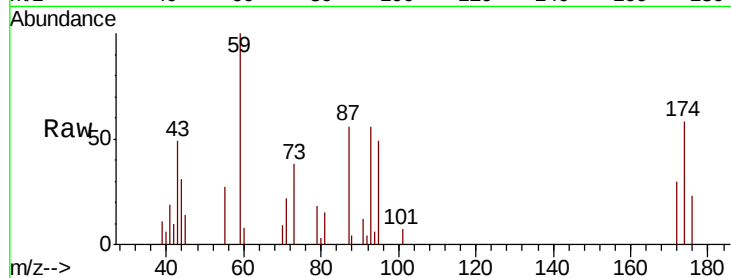
#43
Dibromomethane
Concen: 1.119 ug/l
RT: 6.57 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 3189
Ion Ratio Lower Upper
93 100
95 89.2 64.7 97.1
174 96.6 68.2 102.4

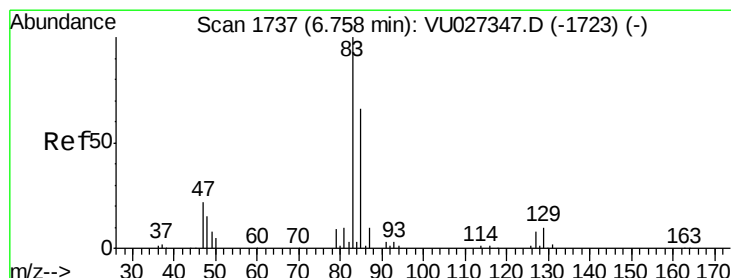
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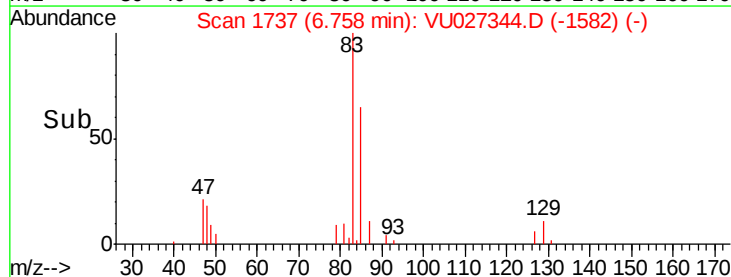
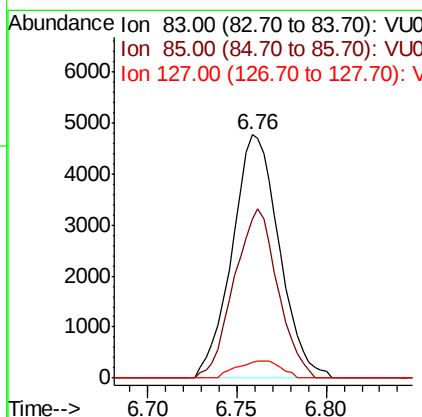
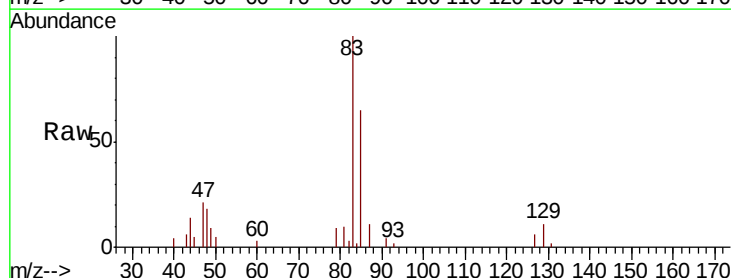
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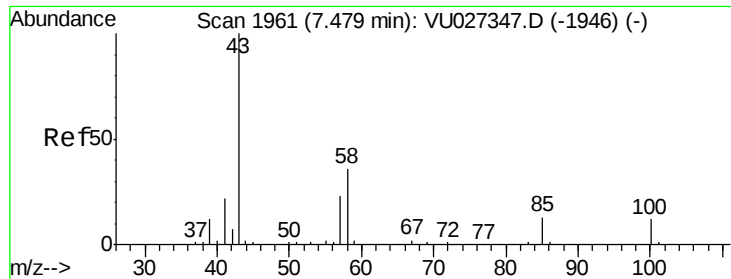
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#44
Bromodichloromethane
Concen: 1.264 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion: 83 Resp: 8770
Ion Ratio Lower Upper
83 100
85 65.3 52.6 79.0
127 6.4 6.2 9.2





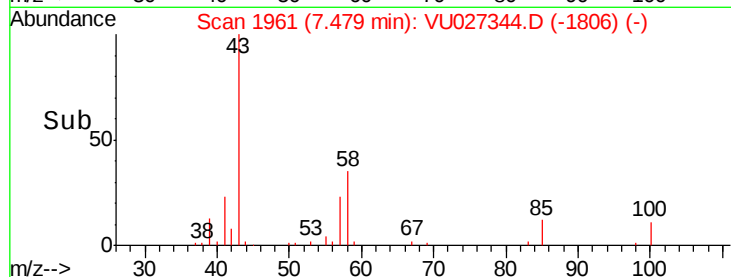
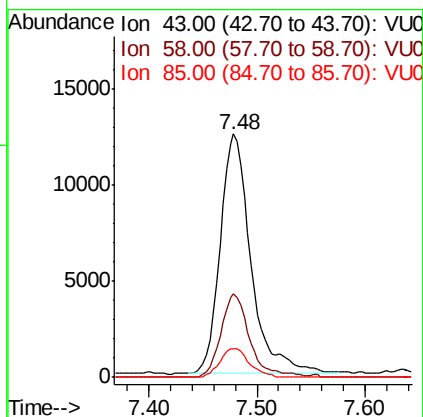
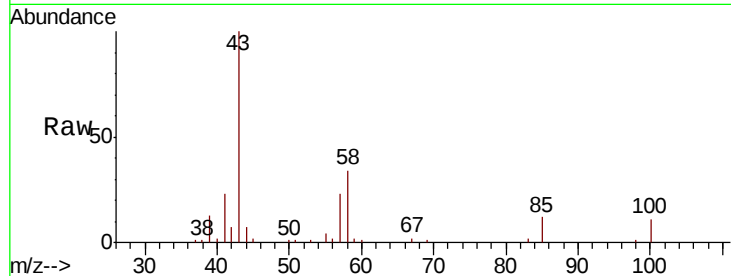
#45
4-Methyl-2-Pentanone
Concen: 6.008 ug/l
RT: 7.48 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.8	17.9	53.8
85	11.5	10.6	16.0

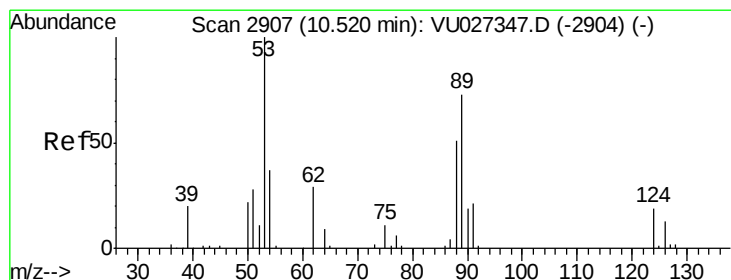
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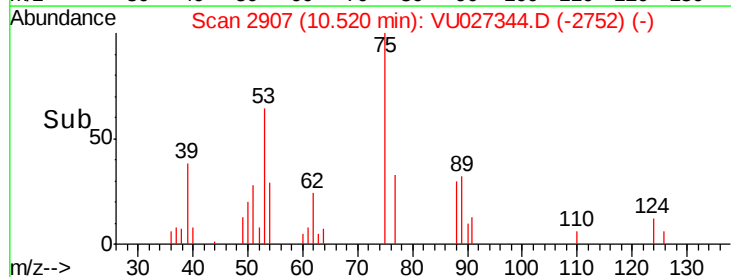
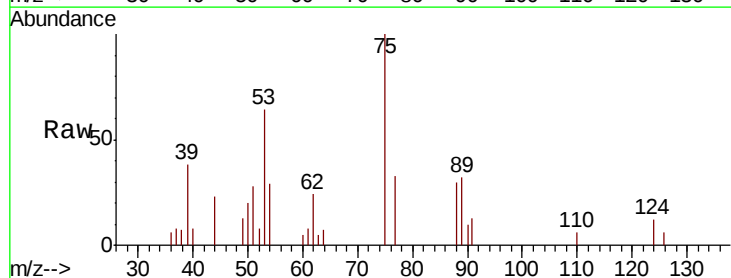
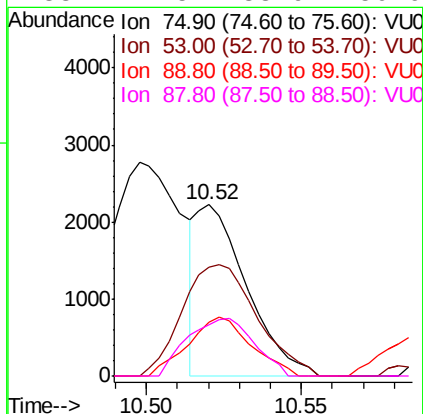
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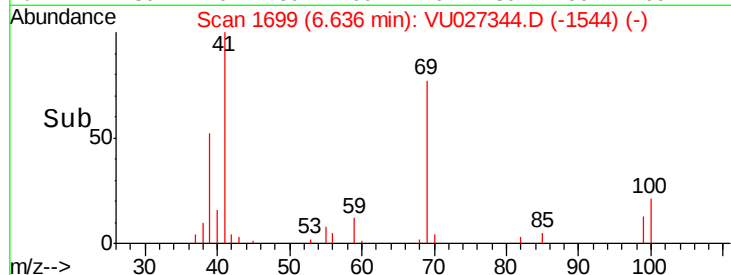
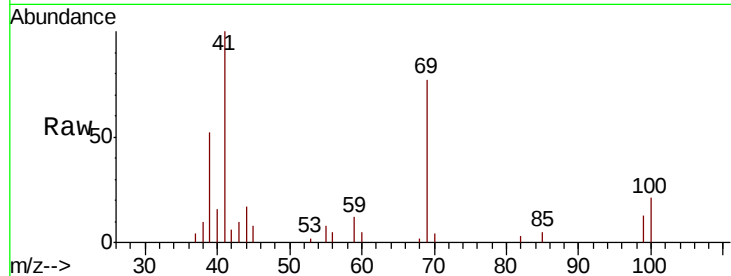
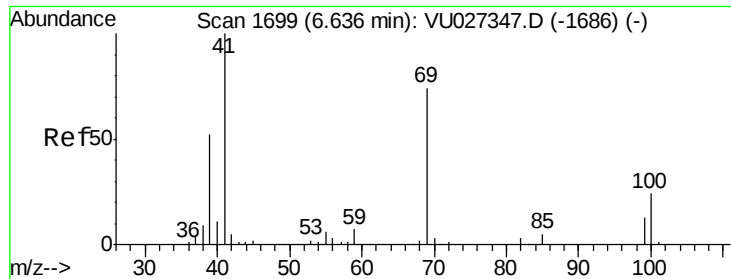
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#46
t-1,4-Dichloro-2-butene
Concen: 2.330 ug/l m
RT: 10.52 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

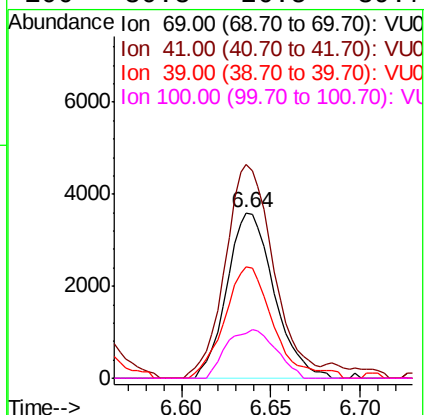
Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.3	75.7	113.5
89	43.2	42.6	64.0
88	44.5	33.9	50.9





#47
Methyl methacrylate
Concen: 2.338 ug/l
RT: 6.64 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tot Ion	Ratio	Lower	Upper
69	100		
41	132.4	0.0	272.2
39	69.5	56.4	84.6
100	30.8	26.5	39.7



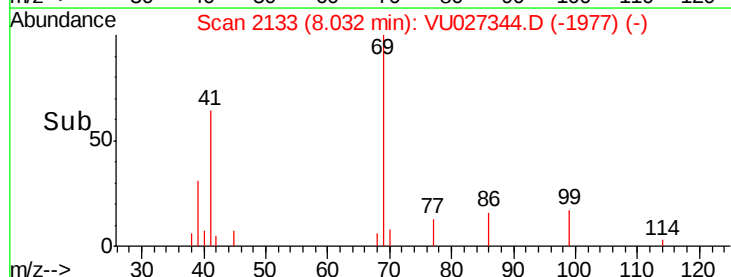
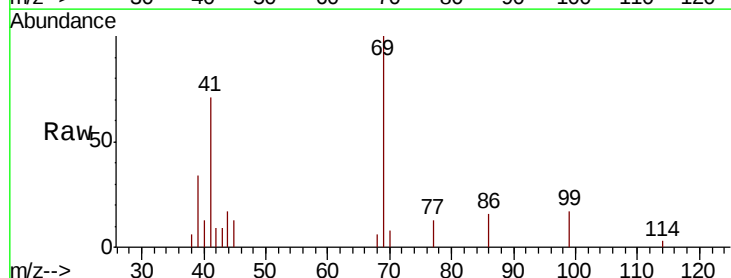
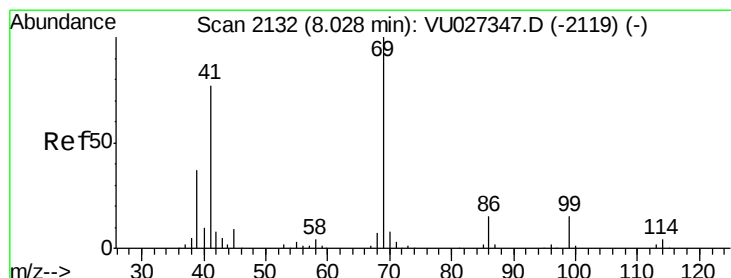
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

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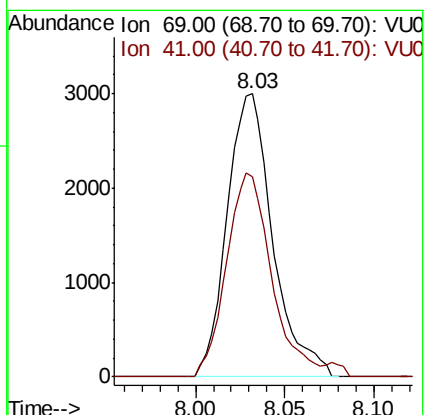
apatel

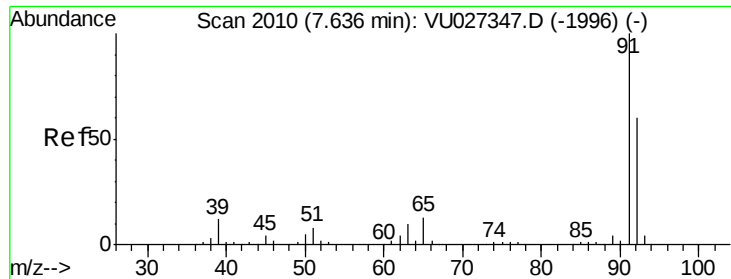
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#48
Ethyl methacrylate
Concen: 1.023 ug/l
RT: 8.03 min Scan# 2133
Delta R.T. 0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.9	38.9	116.7





#49

Toluene

Concen: 0.966 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 13544

Ion Ratio Lower Upper

92 100

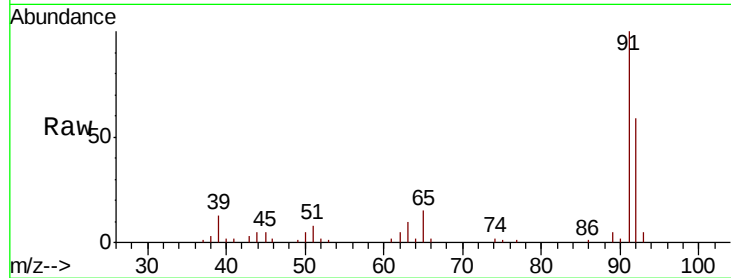
91 169.9 136.4 204.6

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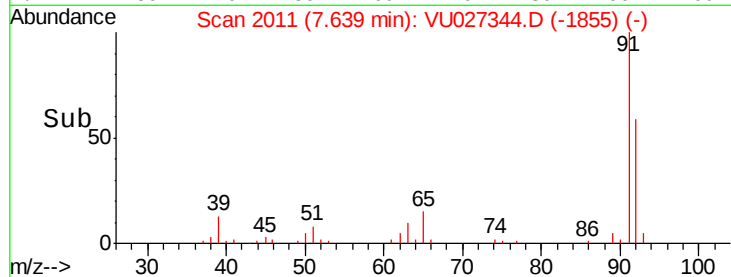
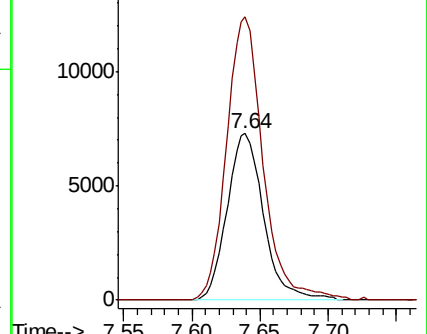
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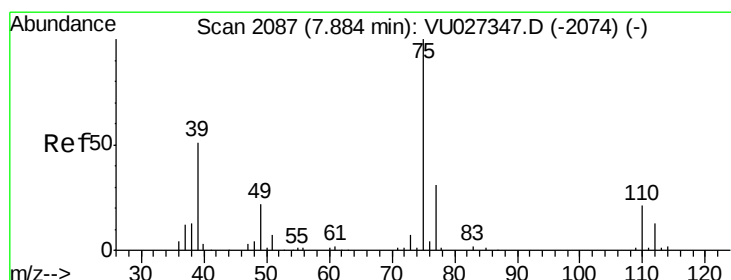
Abundance Ion 92.00 (91.70 to 92.70): VU027344.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027344.D (-1996) (-)



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#50

t-1,3-Dichloropropene

Concen: 1.303 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VU027344.D

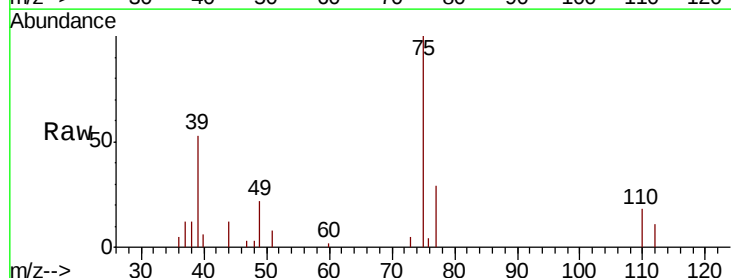
Acq: 02 Oct 2018 15:41

Tgt Ion: 75 Resp: 7830

Ion Ratio Lower Upper

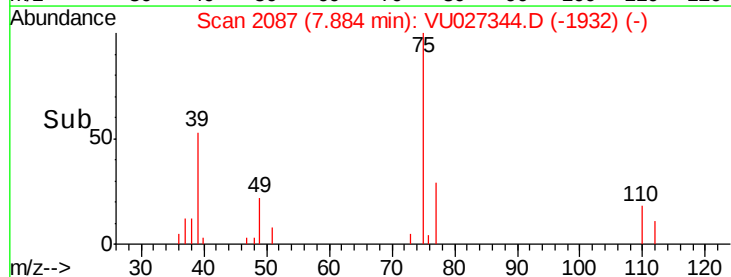
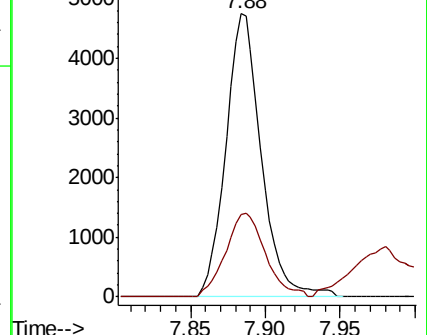
75 100

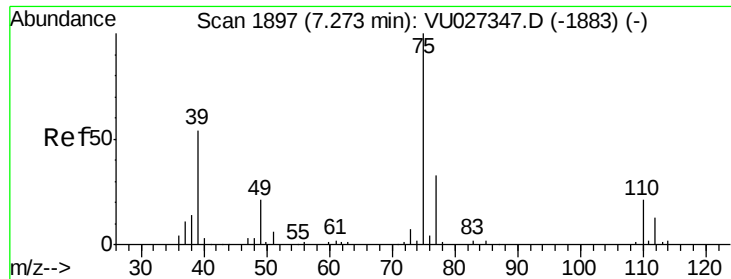
77 29.0 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VU027344.D (-2074) (-)

Ion 77.00 (76.70 to 77.70): VU027344.D (-2074) (-)





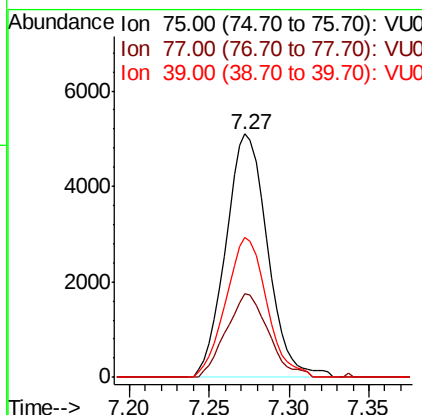
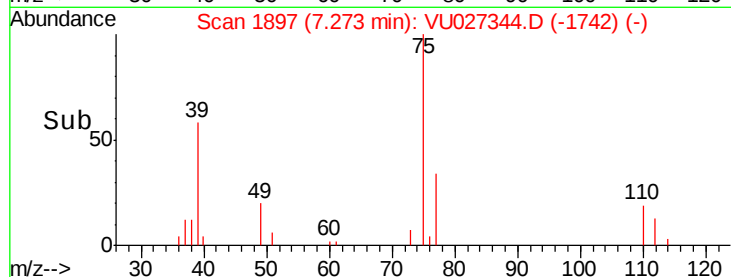
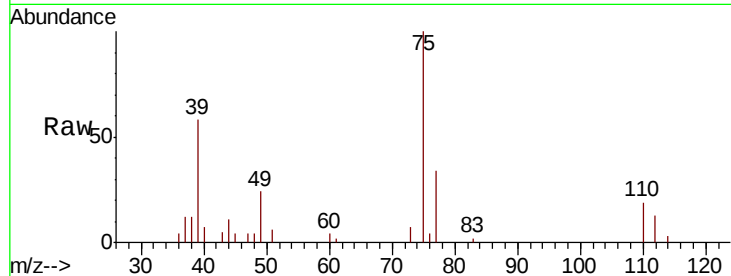
#51
 cis-1,3-Dichloropropene
 Concen: 1.195 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	75	Resp:	9076
Ion	Ratio	Lower	Upper
75	100		
77	34.2	26.1	39.1
39	57.6	43.1	64.7

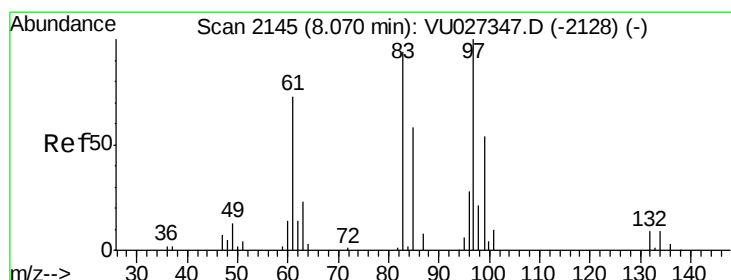
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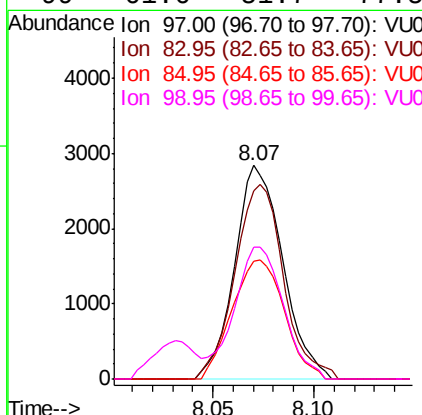
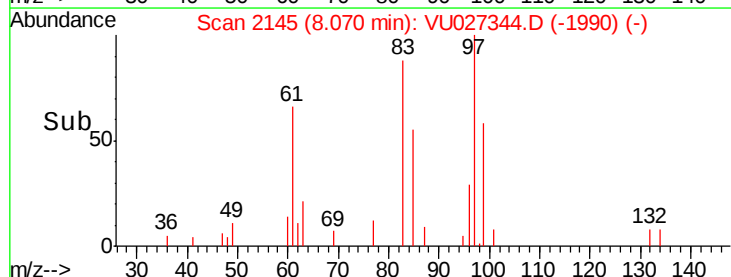
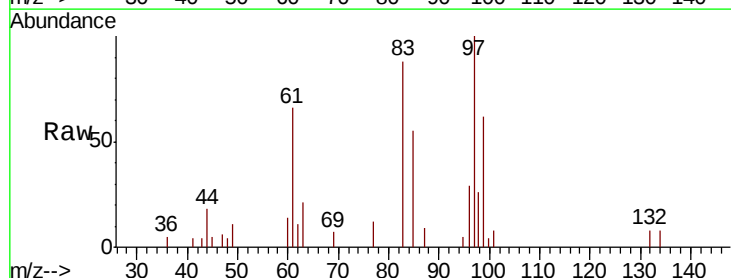
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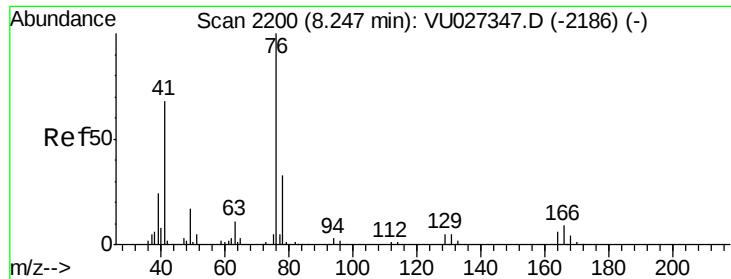
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#52
 1,1,2-Trichloroethane
 Concen: 1.119 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Tgt Ion:	97	Resp:	4736
Ion	Ratio	Lower	Upper
97	100		
83	88.0	75.3	112.9
85	55.4	47.3	70.9
99	61.6	51.7	77.5





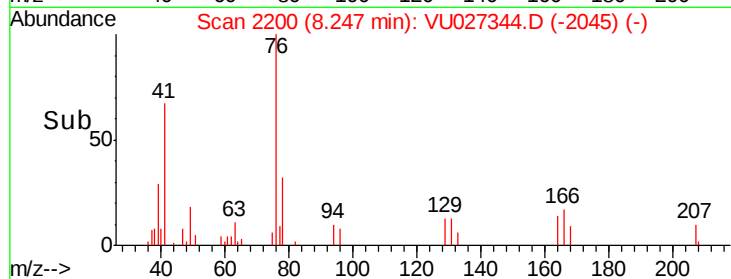
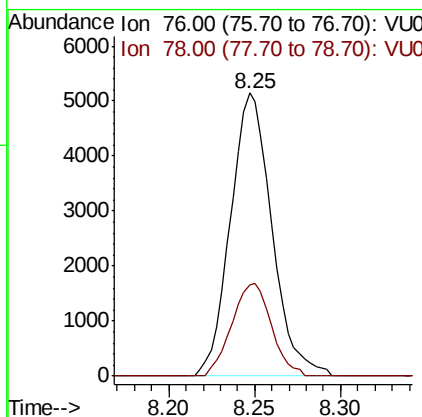
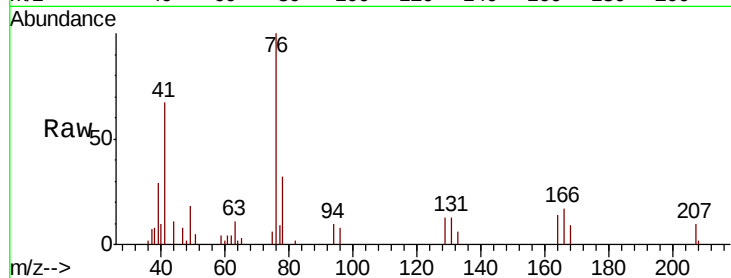
#53
 1,3-Dichloropropane
 Concen: 1.143 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.7	38.5

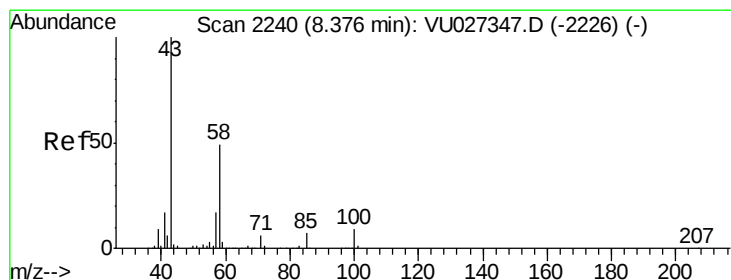
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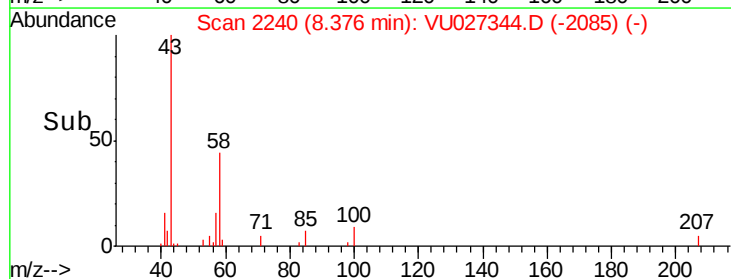
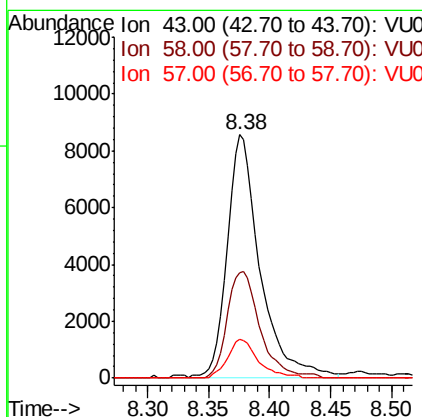
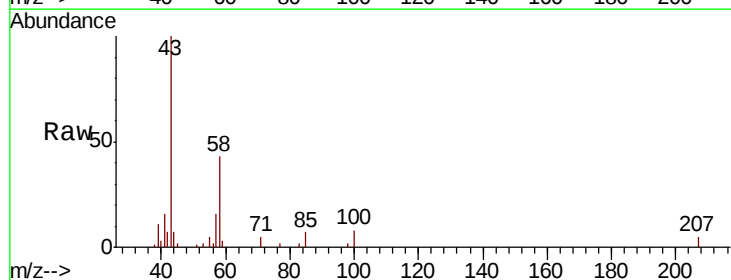
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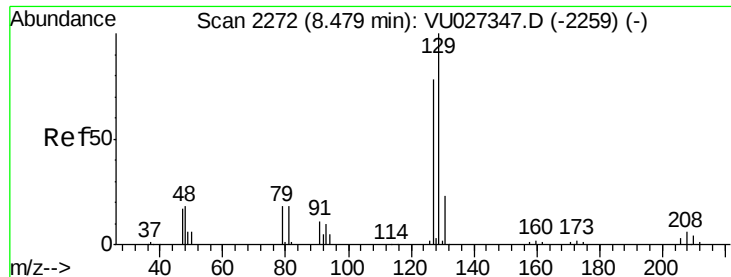
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#54
 2-Hexanone
 Concen: 5.747 ug/l
 RT: 8.38 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.9	29.5	69.5
57	14.8	0.0	37.0





#55

Dibromochloromethane

Concen: 1.203 ug/l

RT: 8.48 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 4979

Ion Ratio Lower Upper

129 100

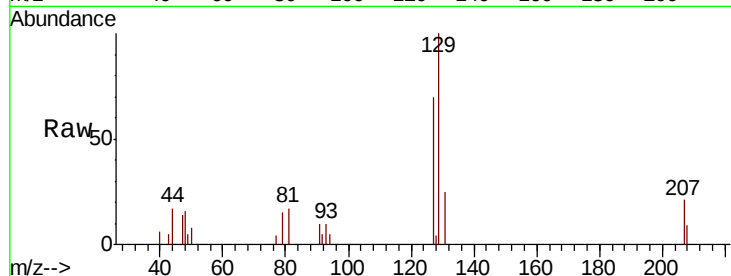
127 76.1 61.8 92.8

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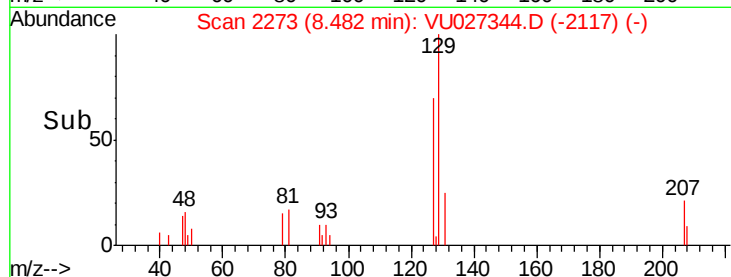
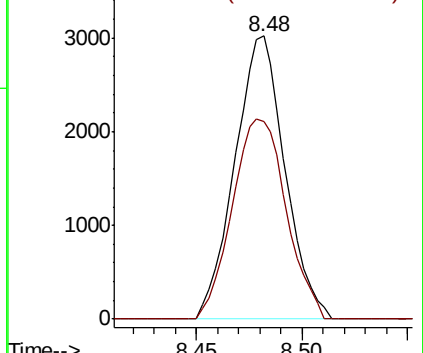
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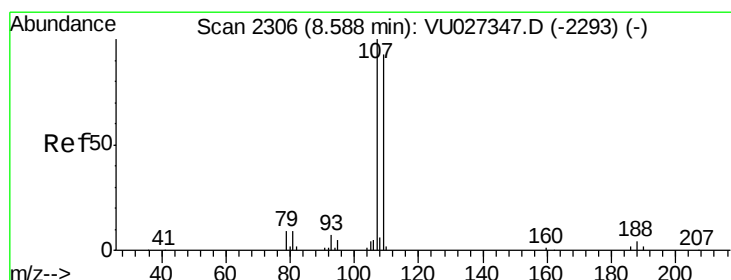
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



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#56

1,2-Dibromoethane

Concen: 1.070 ug/l

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU027344.D

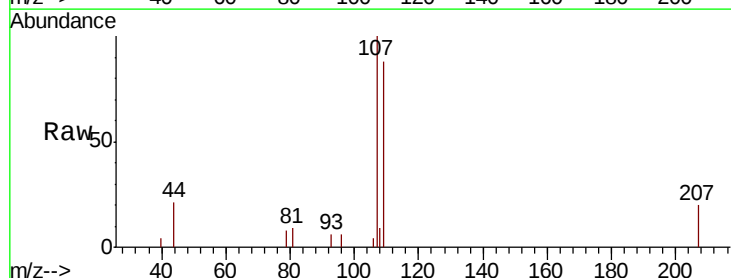
Acq: 02 Oct 2018 15:41

Tgt Ion:107 Resp: 4047

Ion Ratio Lower Upper

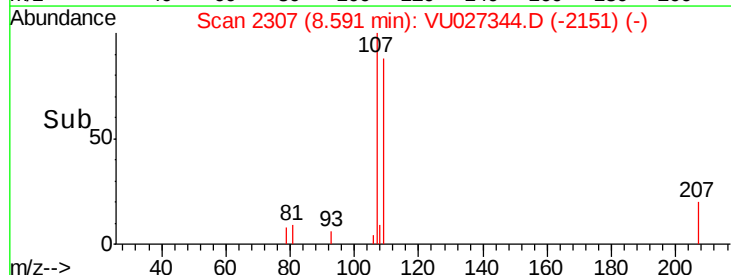
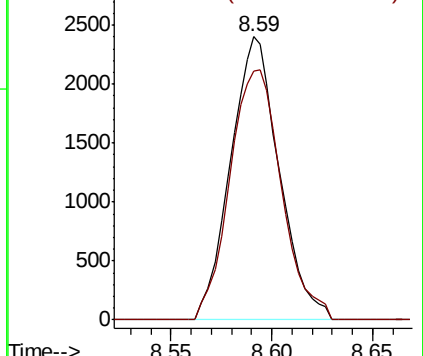
107 100

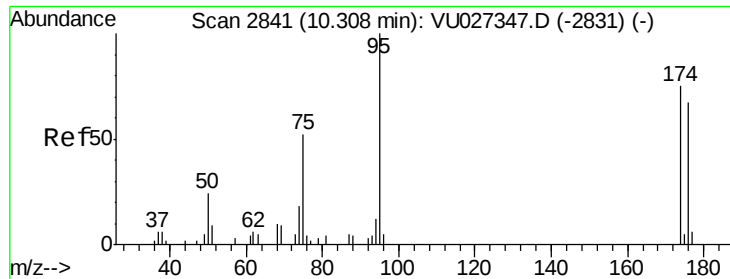
109 93.9 0.0 191.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 1.070 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

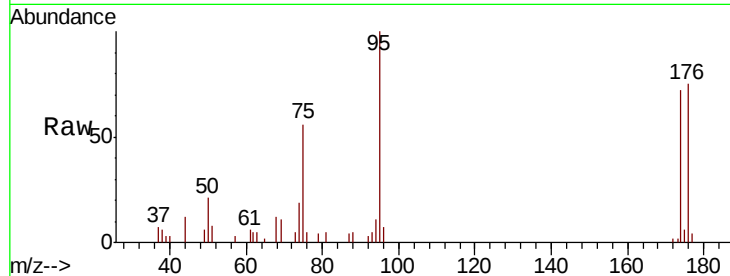
ClientSampled :

VSTDIC001

Tot Ion:	95	Resp:	7374
Ion	Ratio	Lower	Upper
95	100		
174	71.1	61.0	91.6
176	75.9	57.2	85.8

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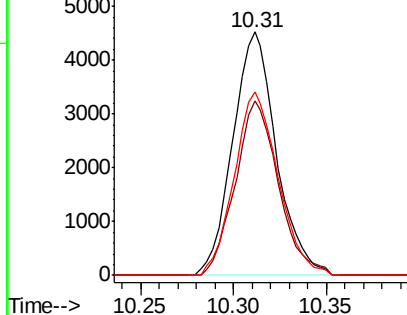


Abundance

Ion 95.00 (94.70 to 95.70): VU027347.D (-2831) (-)

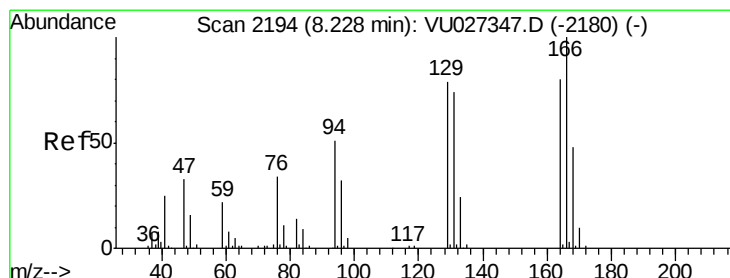
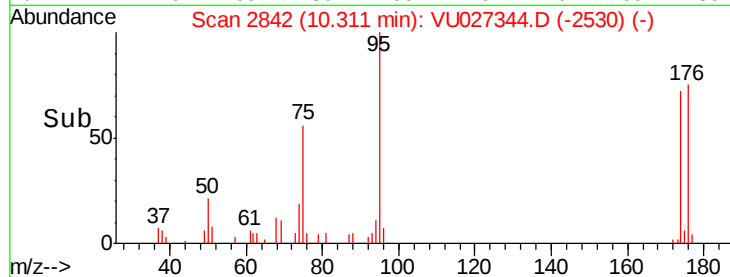
Ion 174.00 (173.70 to 174.70): VU027347.D (-2831) (-)

Ion 176.00 (175.70 to 176.70): VU027347.D (-2831) (-)



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#58

Tetrachloroethene

Concen: 0.787 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Tgt Ion:	164	Resp:	5236
Ion	Ratio	Lower	Upper
164	100		
166	125.9	99.9	149.9
129	88.7	78.6	117.8
131	96.7	73.6	110.4

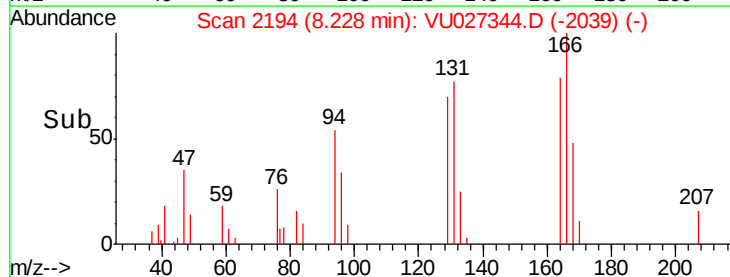
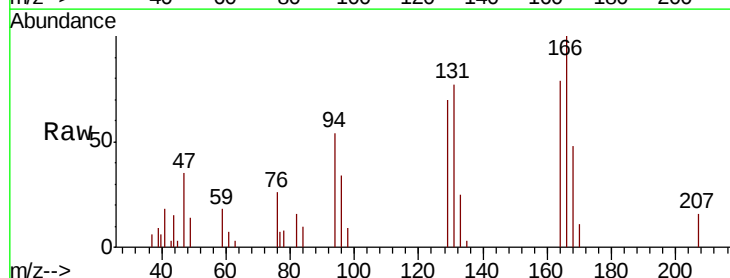
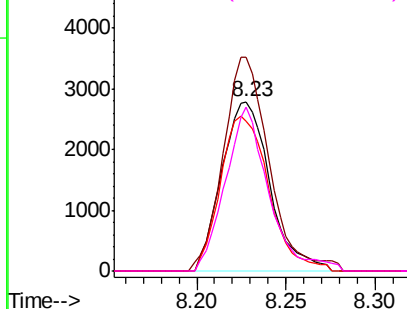
Abundance

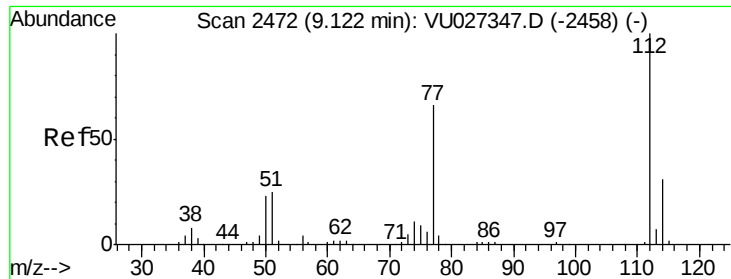
Ion 163.85 (163.55 to 164.55): VU027347.D (-2180) (-)

Ion 165.80 (165.50 to 166.50): VU027347.D (-2180) (-)

Ion 128.90 (128.60 to 129.60): VU027347.D (-2180) (-)

Ion 130.90 (130.60 to 131.60): VU027347.D (-2180) (-)





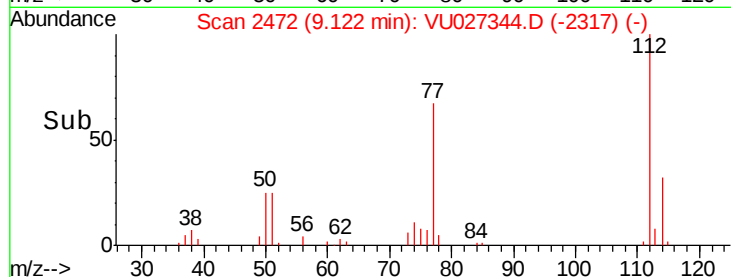
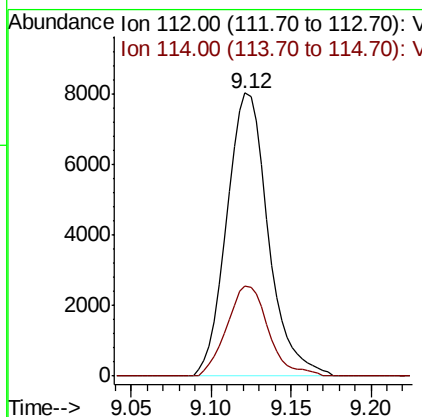
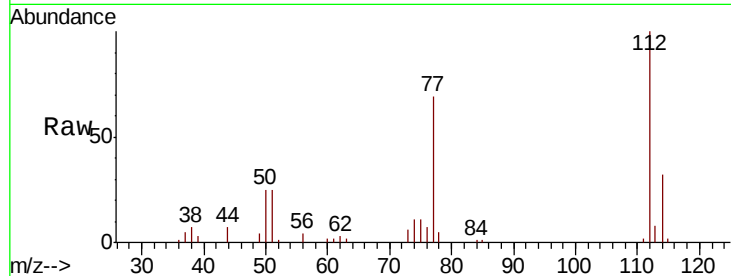
#59
Chlorobenzene
Concen: 0.948 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:112 Resp: 14210
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4

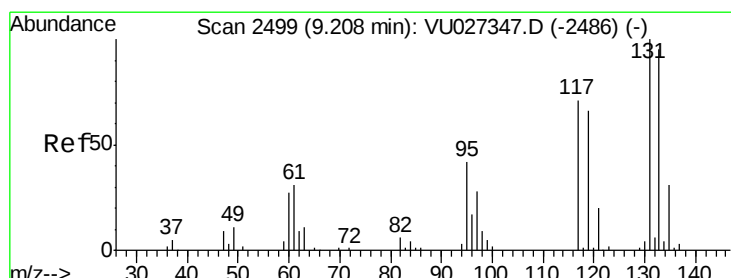
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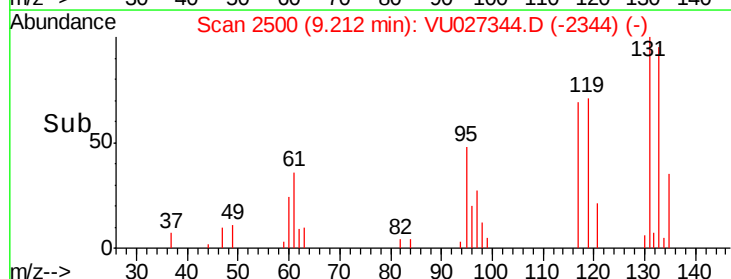
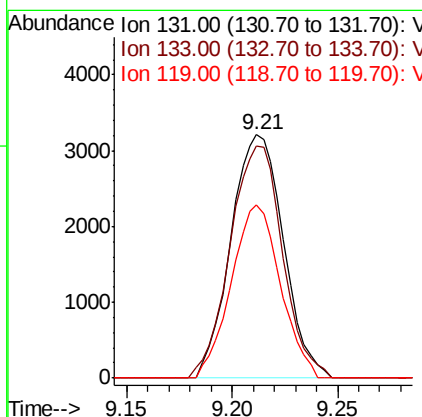
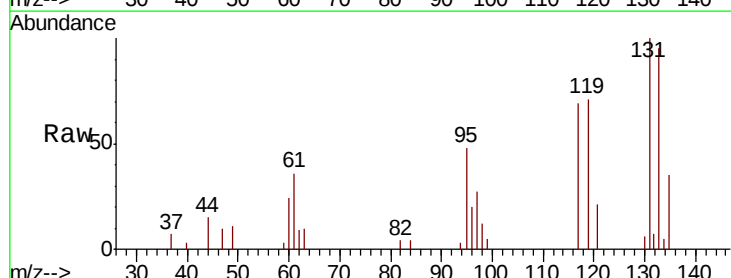
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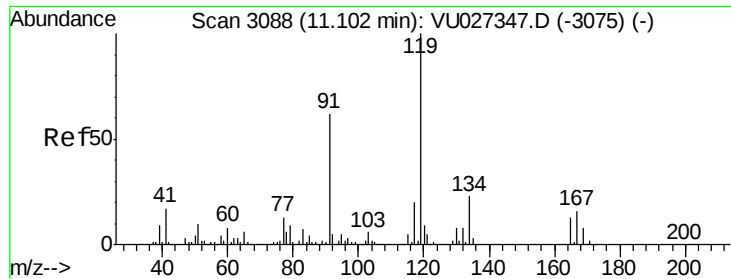
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.095 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion:131 Resp: 5548
Ion Ratio Lower Upper
131 100
133 95.4 77.1 115.7
119 66.5 53.6 80.4





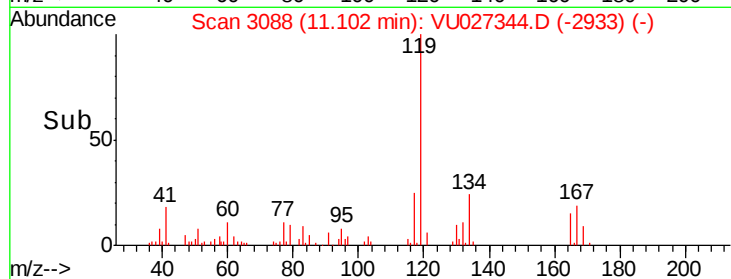
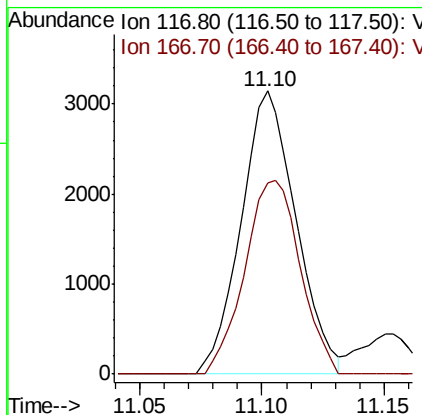
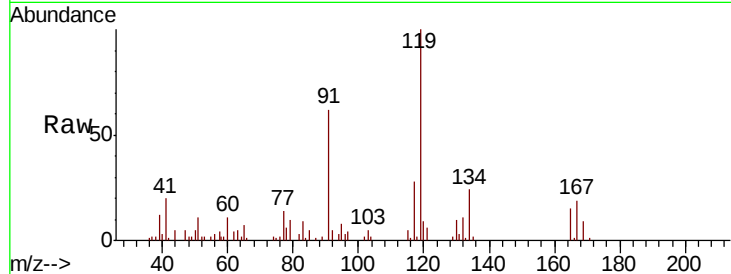
#61
 Pentachloroethane
 Concen: 1.461 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:117 Resp: 4906
 Ion Ratio Lower Upper
 117 100
 167 69.0 62.6 93.8

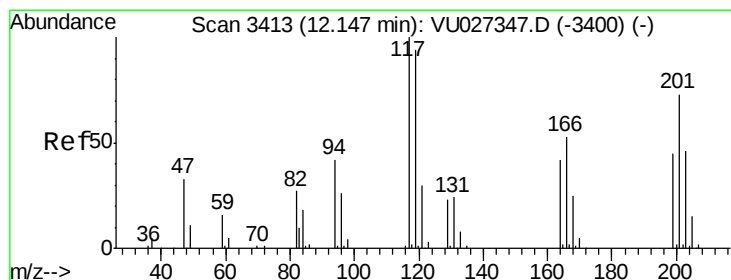
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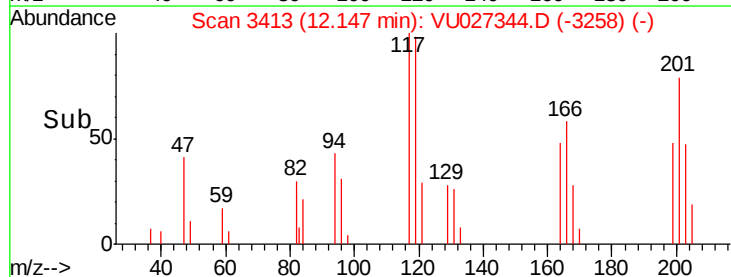
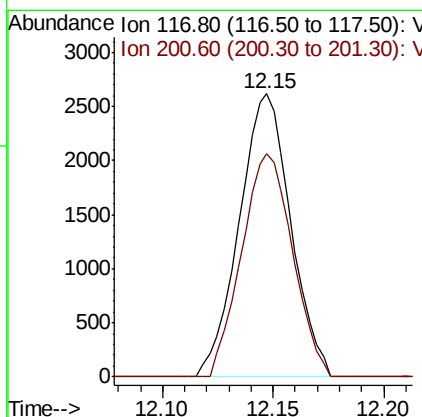
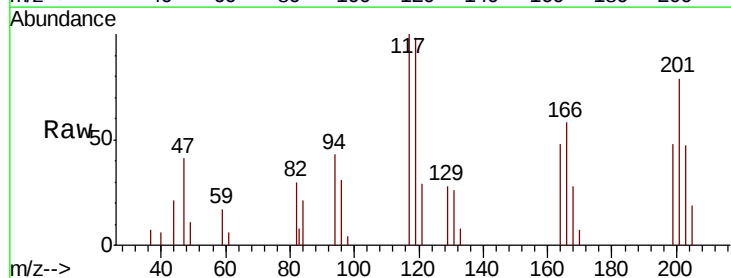
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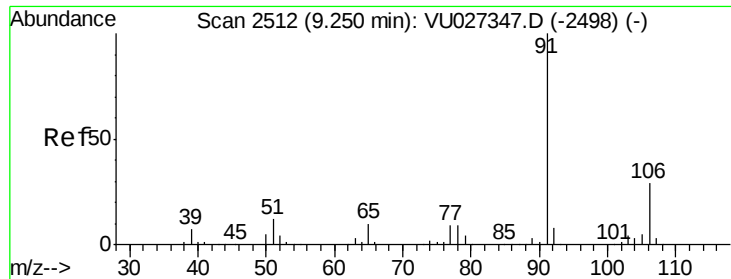
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#62
 Hexachloroethane
 Concen: 1.243 ug/l
 RT: 12.15 min Scan# 3413
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Tgt Ion:117 Resp: 4250
 Ion Ratio Lower Upper
 117 100
 201 77.7 59.3 88.9





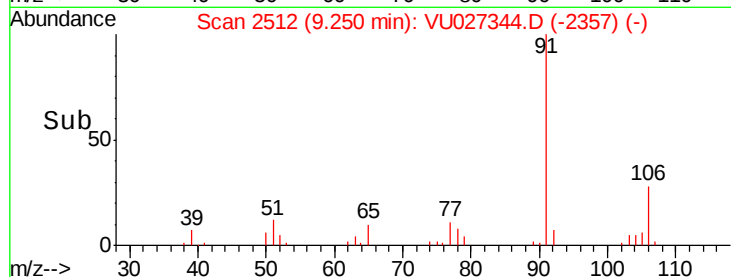
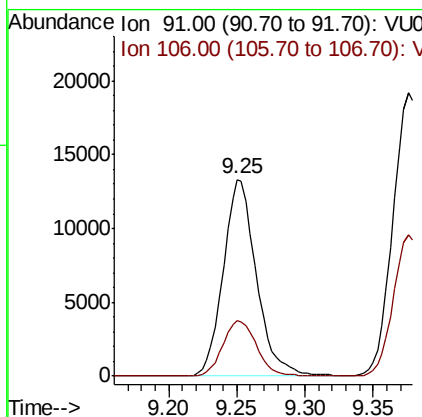
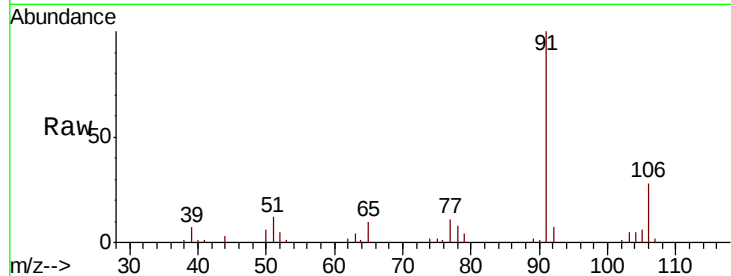
#63
Ethyl Benzene
Concen: 0.859 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 22482
Ion Ratio Lower Upper
91 100
106 28.1 23.6 35.4

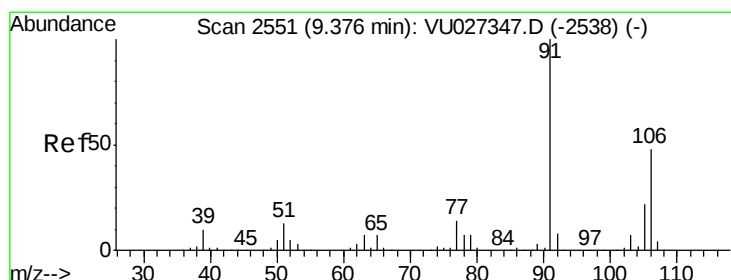
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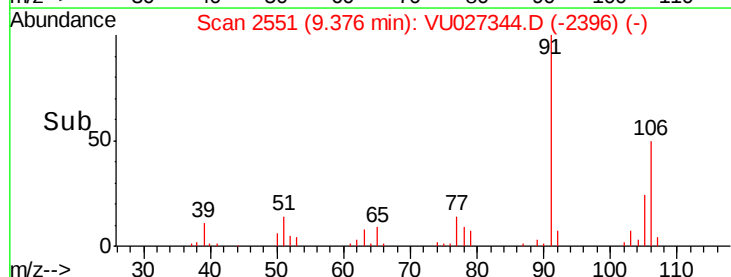
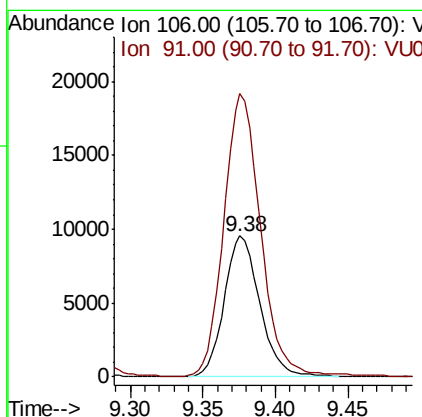
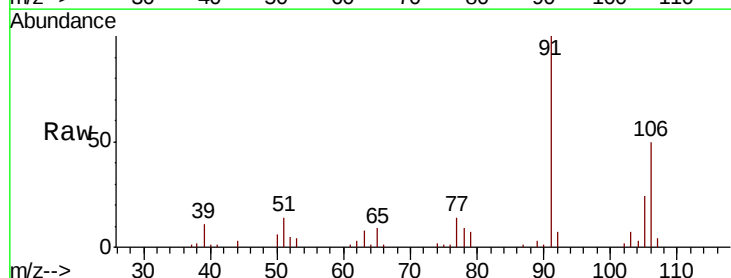
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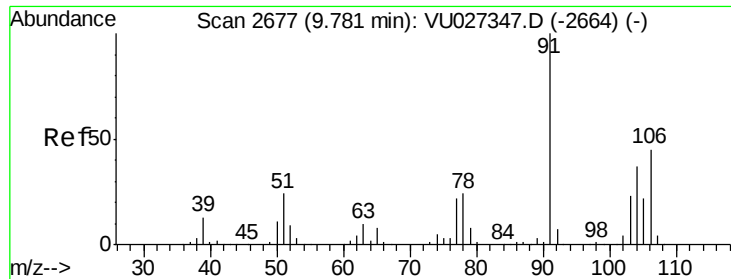
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#64
m/p-Xylenes
Concen: 1.632 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion: 106 Resp: 16234
Ion Ratio Lower Upper
106 100
91 208.4 169.8 254.8





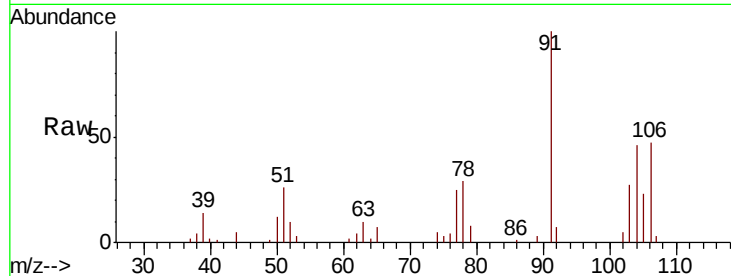
#65
o-Xylene
Concen: 0.799 ug/l
RT: 9.78 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

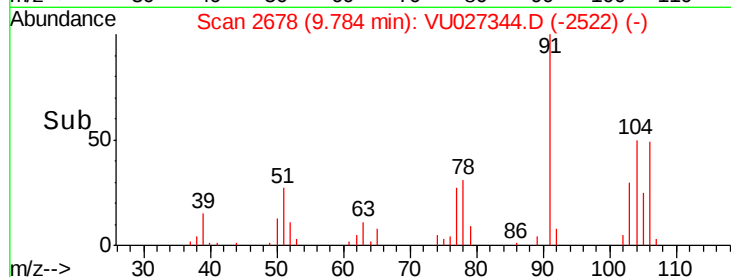
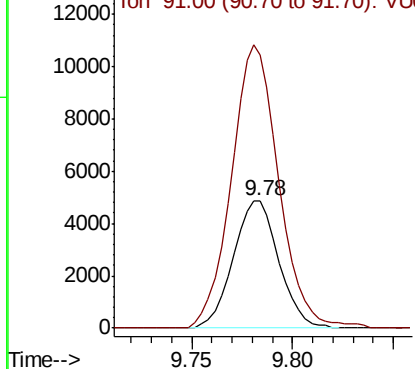
Tot Ion:106 Resp: 7679
Ion Ratio Lower Upper
106 100
91 231.3 111.1 333.2

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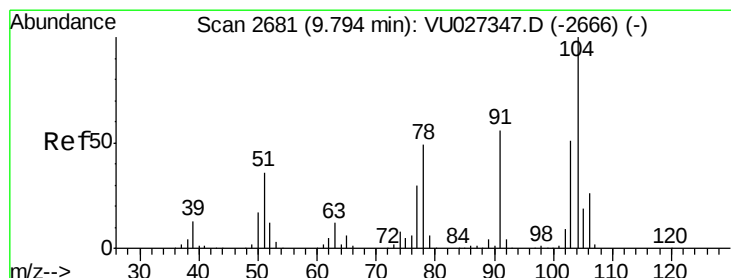


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



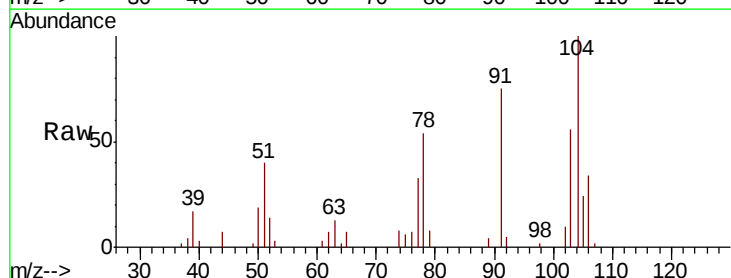
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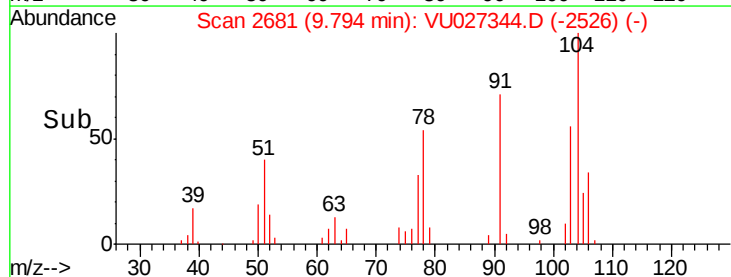
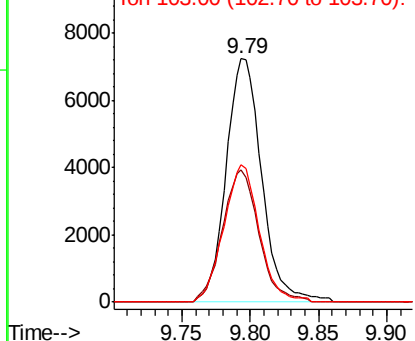


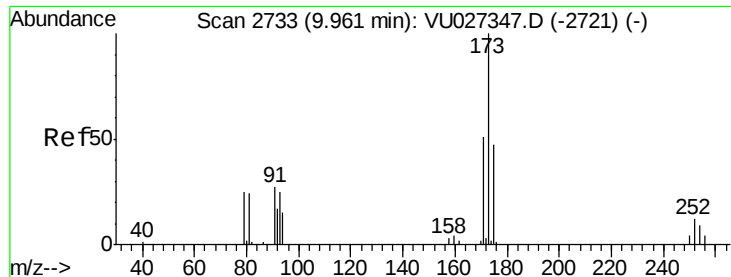
#66
Styrene
Concen: 0.820 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion:104 Resp: 13145
Ion Ratio Lower Upper
104 100
78 55.5 43.1 64.7
103 56.3 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





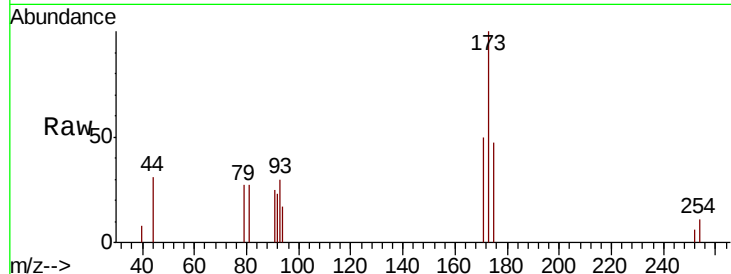
#67
Bromoform
Concen: 1.177 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	38.2	57.4
254	9.5	7.7	11.5

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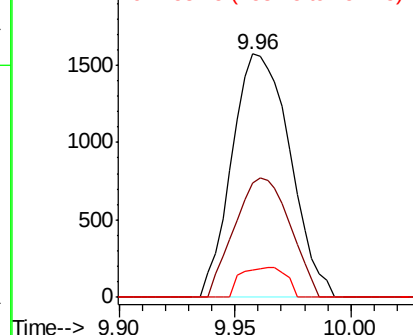


Abundance

Ion 172.90 (172.60 to 173.60): V

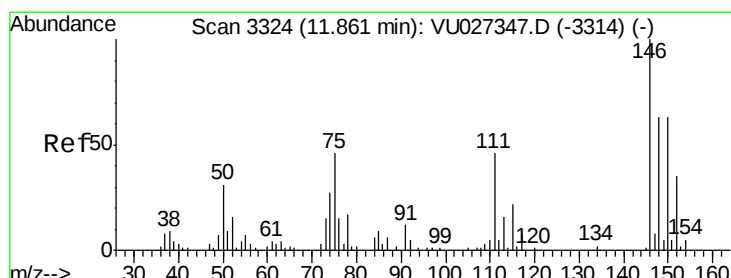
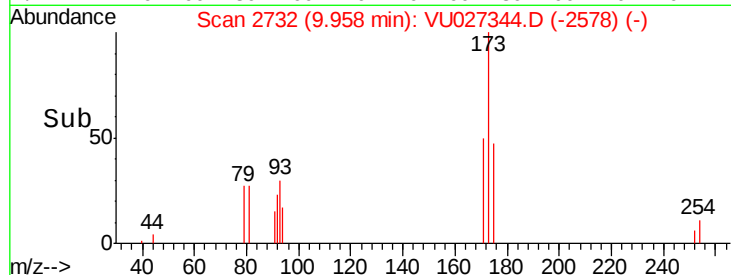
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



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#68
1,2-Dichlorobenzene-d4
Concen: 1.177 ug/l
RT: 11.86 min Scan# 3324
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

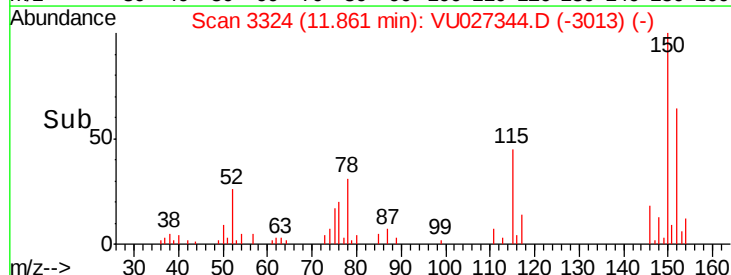
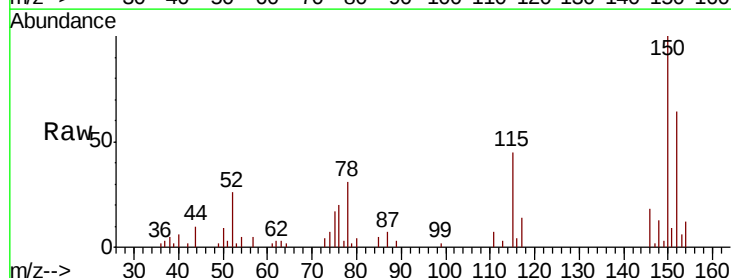
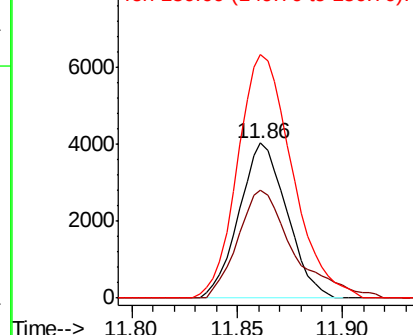
Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.1	0.0	131.6
150	179.1	0.0	0.0#

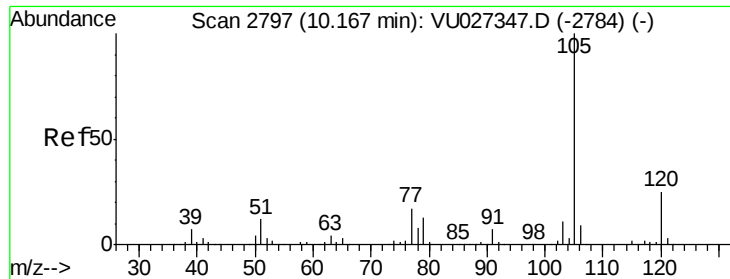
Abundance

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: 0.791 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 19946

Ion Ratio Lower Upper

105 100

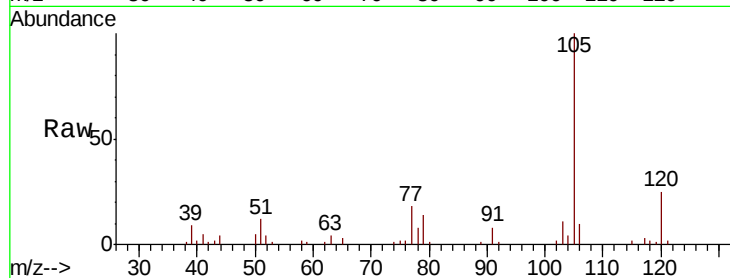
120 25.1 12.7 38.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

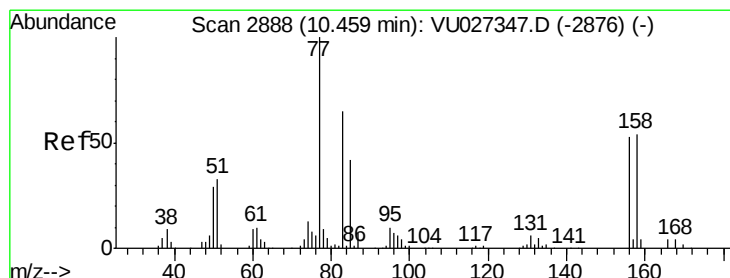
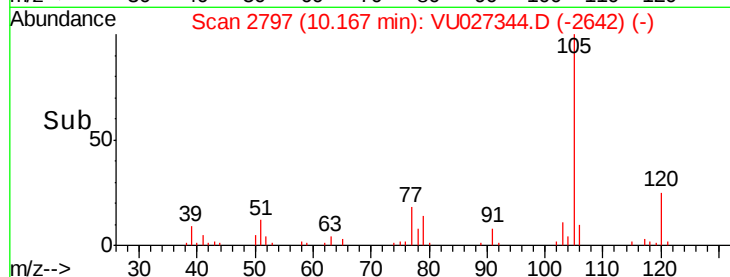
10.17

10000

5000

0

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 1.255 ug/l

RT: 10.46 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

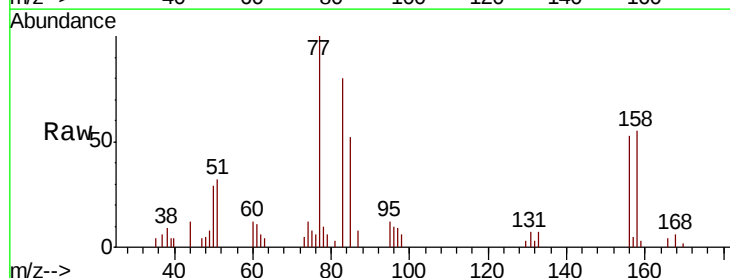
Tgt Ion: 83 Resp: 6334

Ion Ratio Lower Upper

83 100

131 7.8 7.0 10.6

85 63.8 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

5000

4000

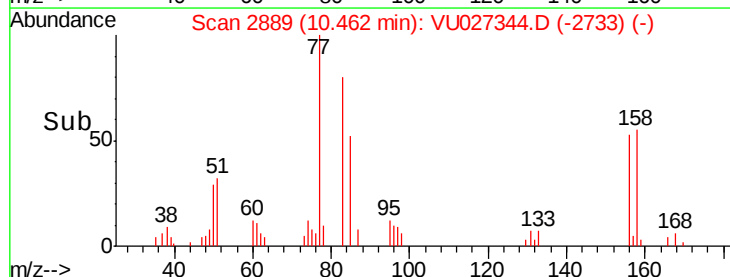
3000

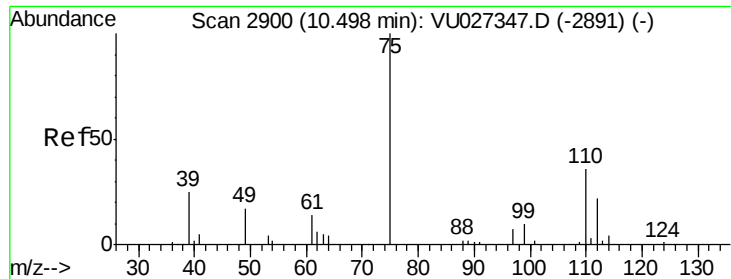
2000

1000

0

Time-->





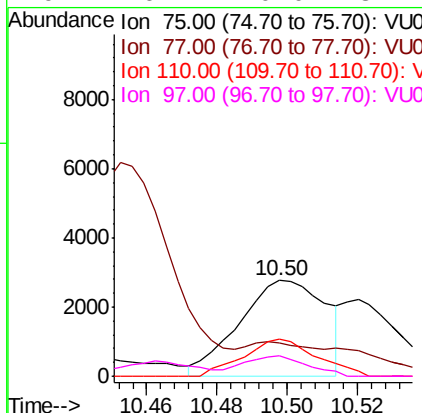
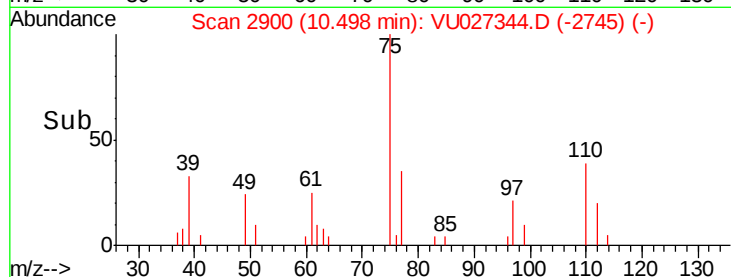
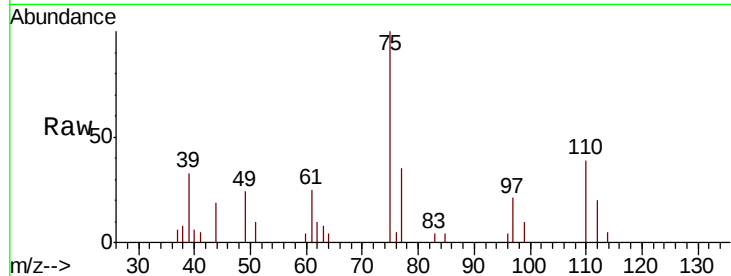
#71
 1,2,3-Trichloropropane
 Concen: 1.147 ug/l m
 RT: 10.50 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	75	Resp:	4754
Ion	Ratio	Lower	Upper
75	100		
77	45.8	0.0	16.6#
110	32.6	0.0	65.4
97	16.2	0.0	31.4

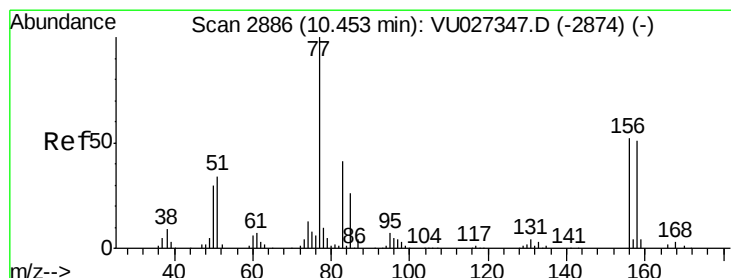
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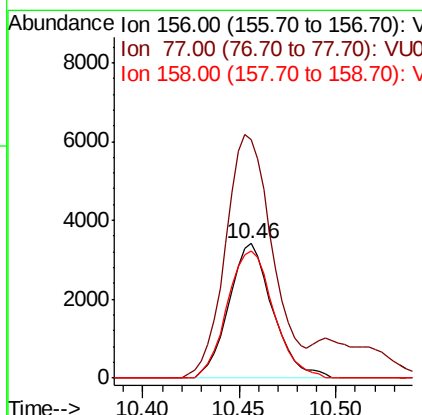
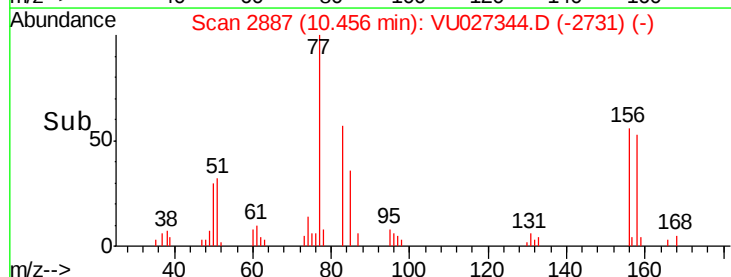
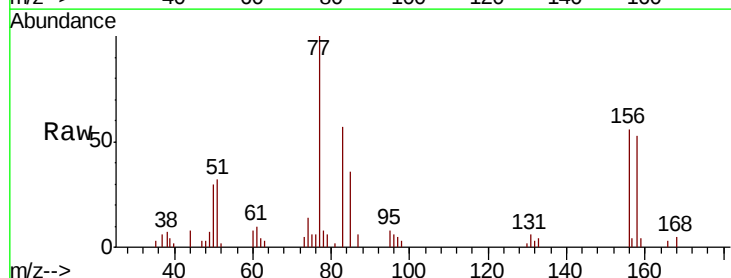
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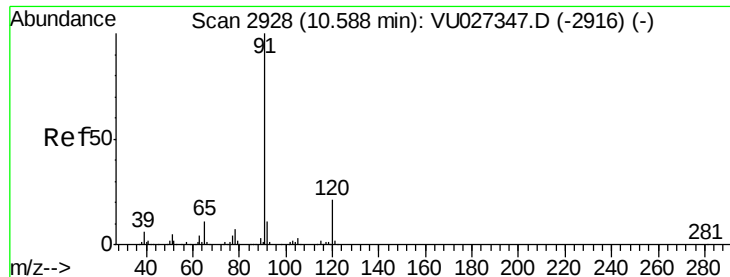
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#72
 Bromobenzene
 Concen: 0.854 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Tgt Ion:	156	Resp:	5383
Ion	Ratio	Lower	Upper
156	100		
77	194.7	0.0	387.6
158	100.1	0.0	196.2





#73

n-propylbenzene

Concen: 0.764 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:120 Resp: 5311

Ion Ratio Lower Upper

120 100

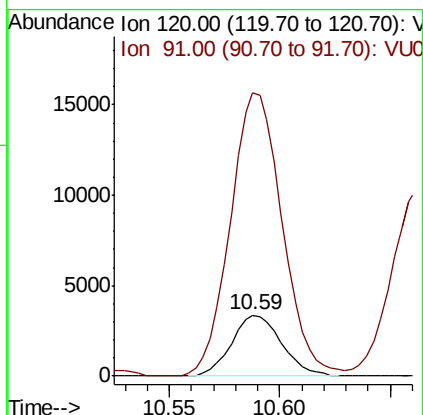
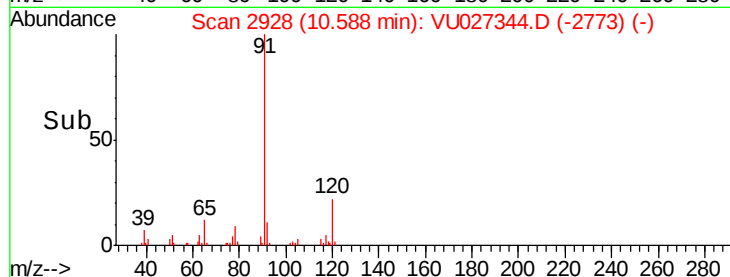
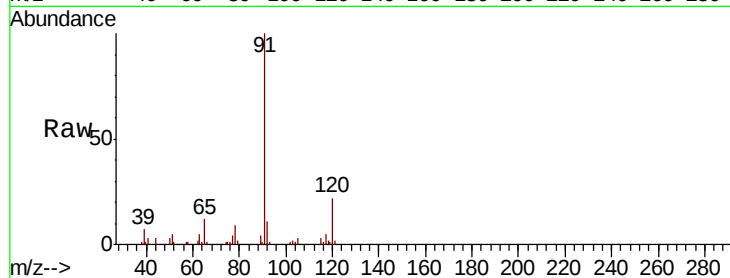
91 482.0 381.4 572.0

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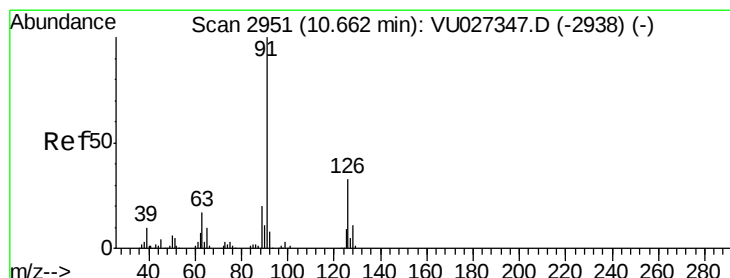
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#74

2-Chlorotoluene

Concen: 0.825 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027344.D

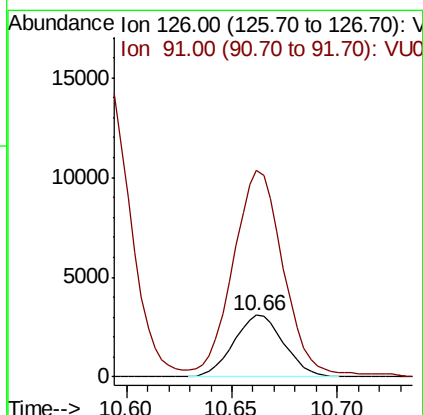
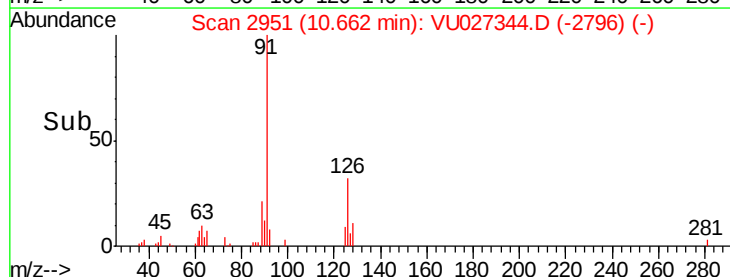
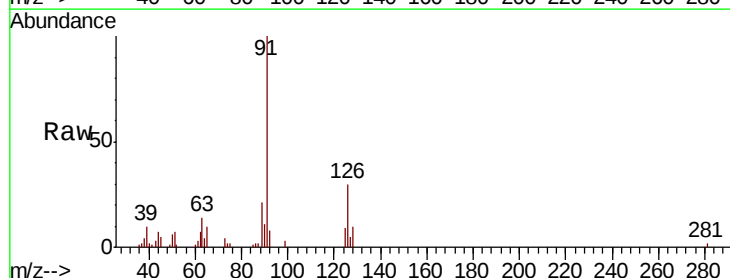
Acq: 02 Oct 2018 15:41

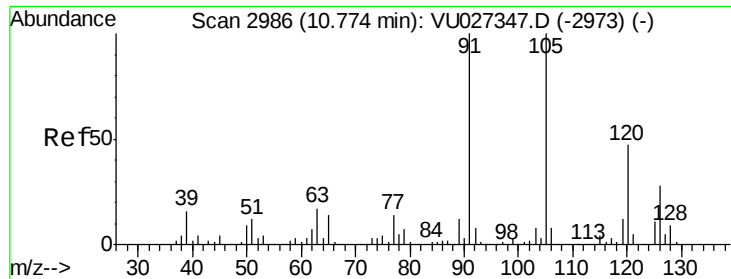
Tgt Ion:126 Resp: 5103

Ion Ratio Lower Upper

126 100

91 328.7 0.0 639.0





#75

1,3,5-Trimethylbenzene

Concen: 0.781 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 16766

Ion Ratio Lower Upper

105 100

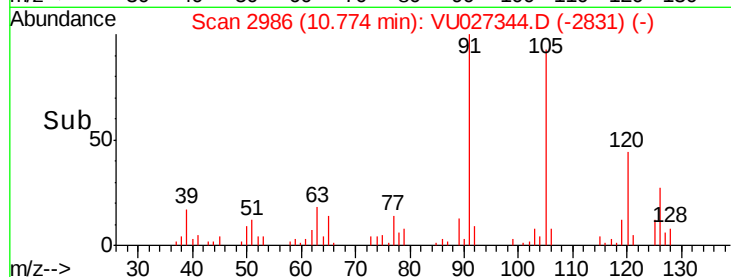
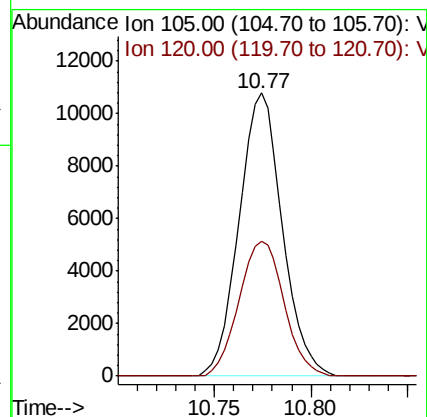
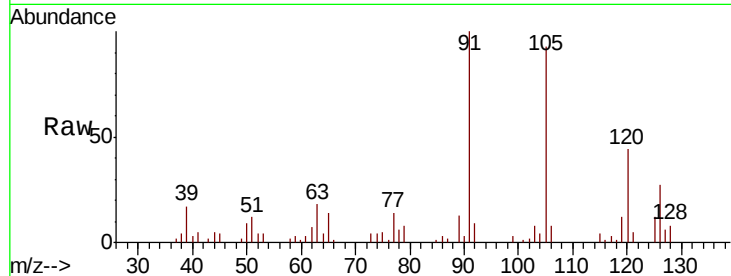
120 49.6 37.8 56.8

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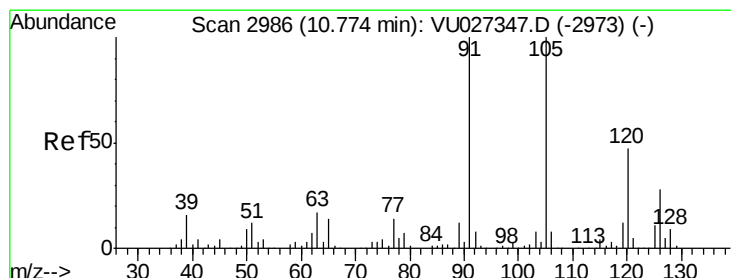
apatel

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#76

4-Chlorotoluene

Concen: 0.809 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027344.D

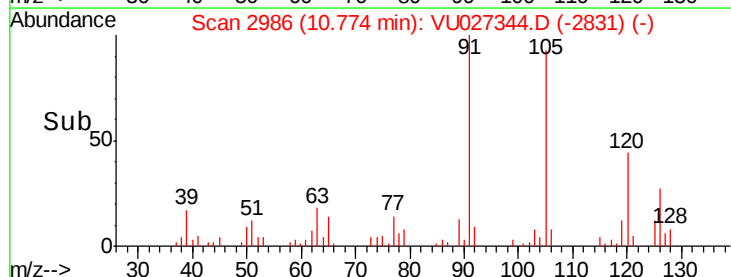
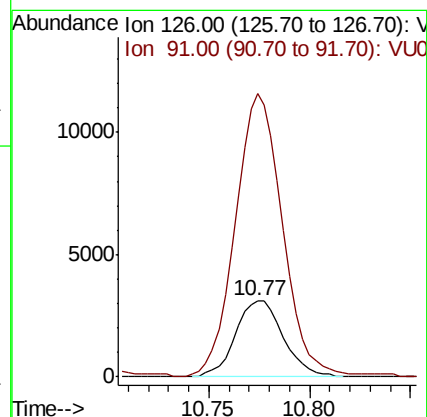
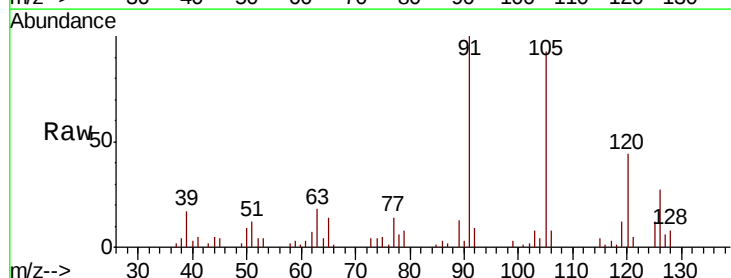
Acq: 02 Oct 2018 15:41

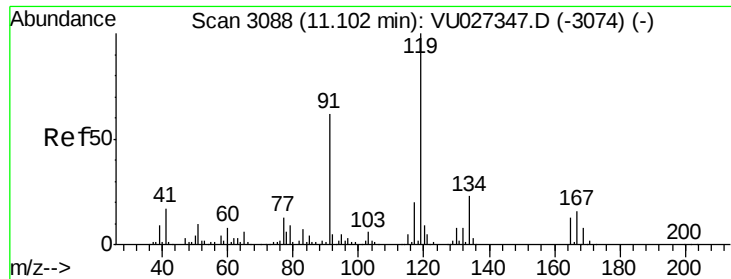
Tgt Ion:126 Resp: 5159

Ion Ratio Lower Upper

126 100

91 369.7 0.0 720.8





#77

tert-Butylbenzene

Concen: 0.873 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

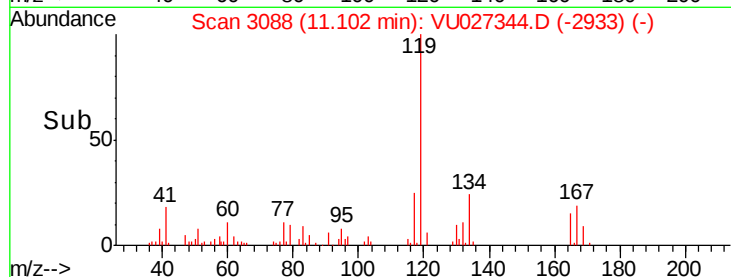
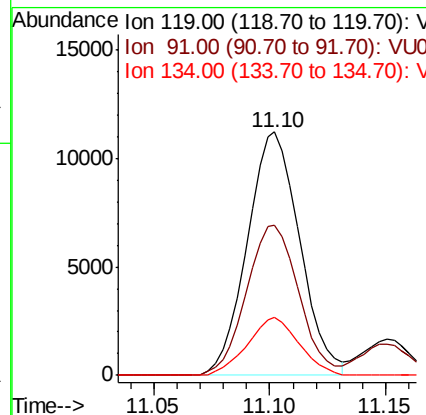
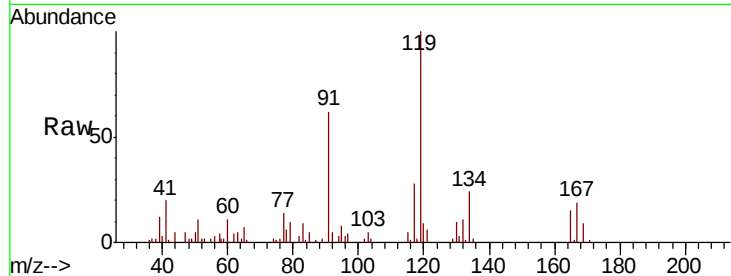
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	17674
Ion Ratio	Lower	Upper	
119	100		
91	61.8	31.4	94.3
134	23.4	18.7	28.1

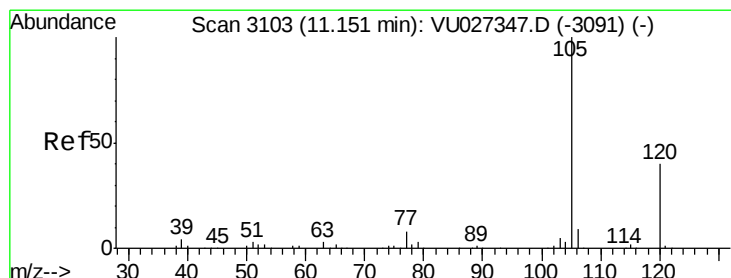
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#78

1,2,4-Trimethylbenzene

Concen: 0.785 ug/l

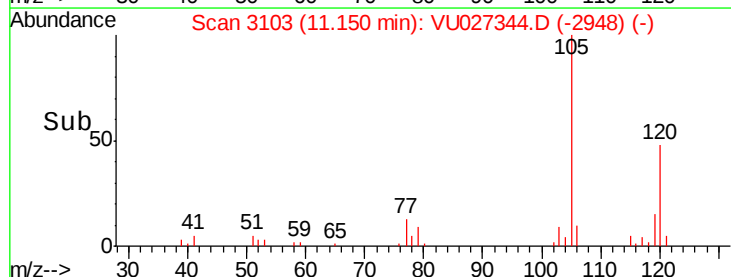
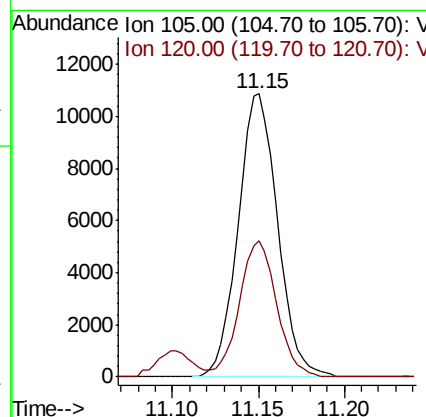
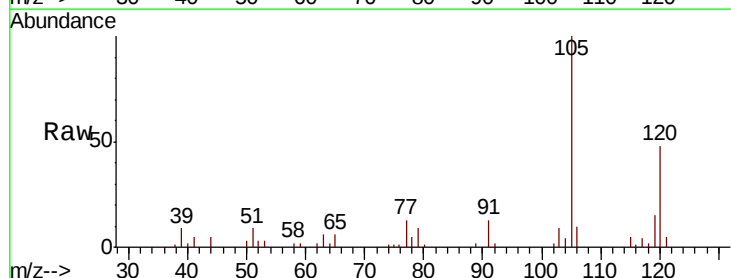
RT: 11.15 min Scan# 3103

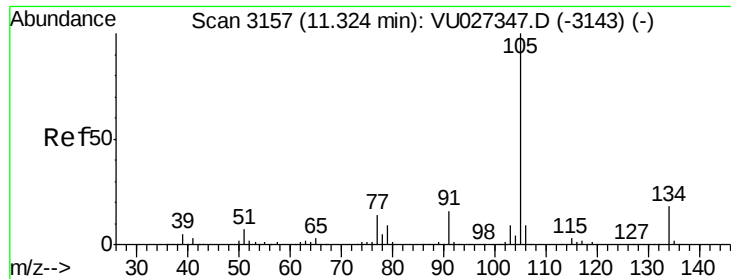
Delta R.T. -0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Tgt Ion:	105	Resp:	17372
Ion Ratio	Lower	Upper	
105	100		
120	45.2	21.9	65.7





#79

sec-Butylbenzene

Concen: 0.796 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

ClientSampled :

VSTDIC001

Tot Ion: 105 Resp: 22686

Ion Ratio Lower Upper

105 100

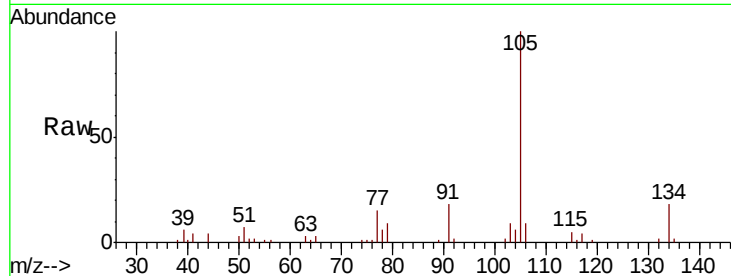
134 17.3 14.8 22.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

15000

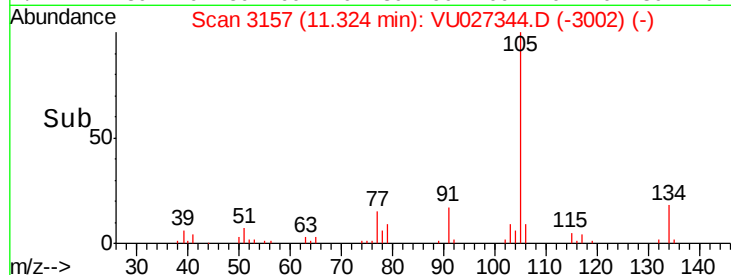
11000

5000

0

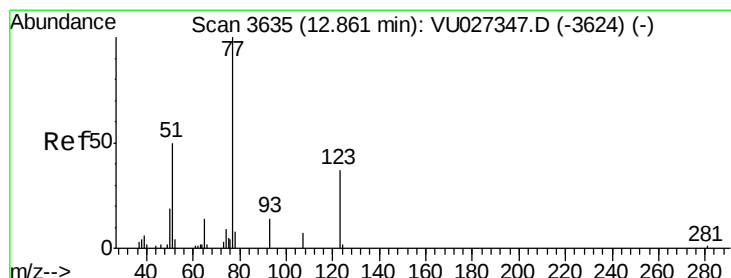
Time-->

11.25 11.30 11.35 11.40



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#80

Nitrobenzene

Concen: 6.661 ug/l

RT: 12.87 min Scan# 3637

Delta R.T. 0.01 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

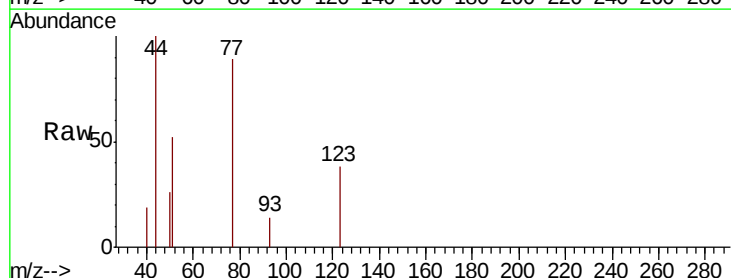
Tgt Ion: 77 Resp: 1074

Ion Ratio Lower Upper

77 100

123 38.6 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

800

600

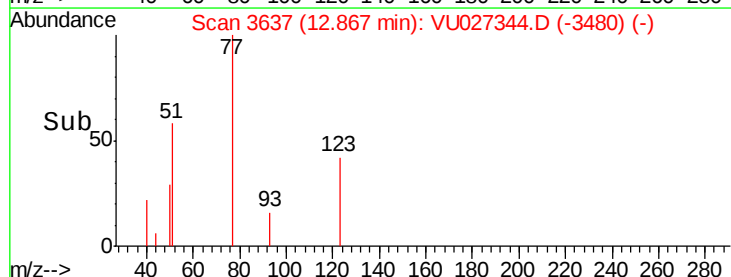
400

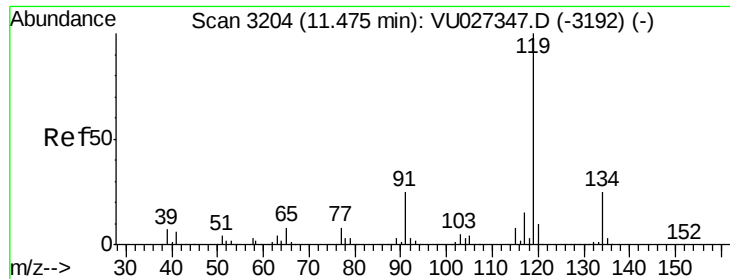
200

0

Time-->

12.85 12.90





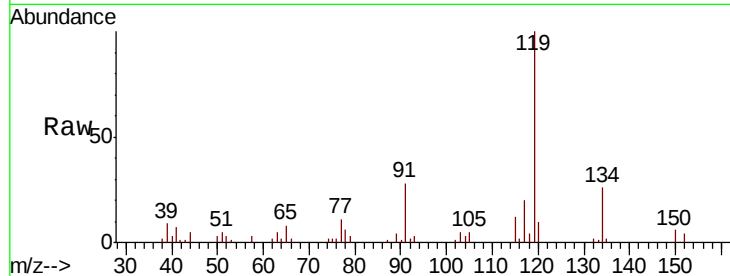
#81
 p-Isopropyltoluene
 Concen: 0.755 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	23.7	20.2	30.2
91	26.2	19.6	29.4

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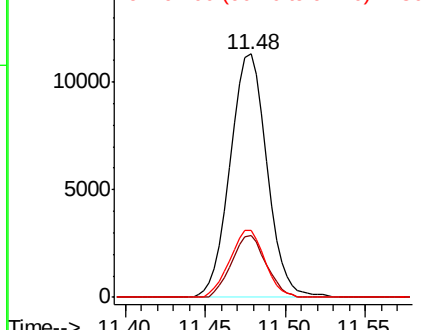


Abundance

Ion 119.00 (118.70 to 119.70): V

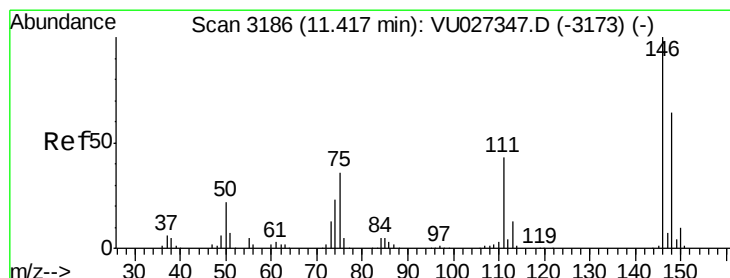
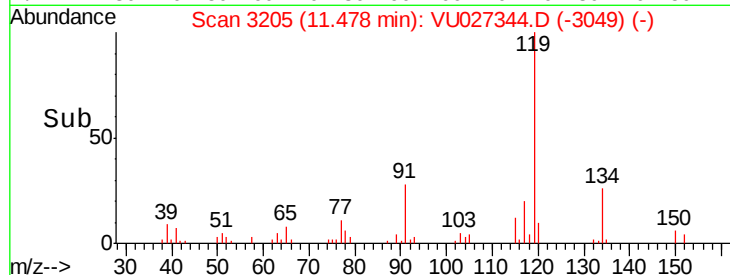
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



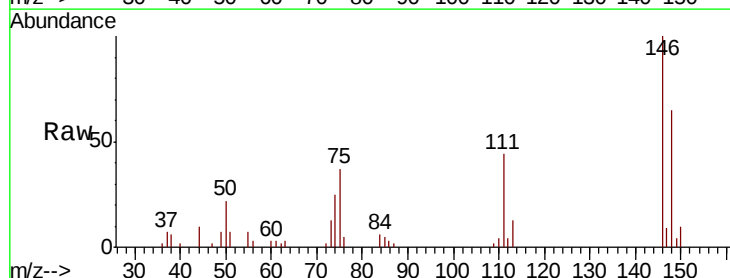
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#82
 1,3-Dichlorobenzene
 Concen: 0.878 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	34.3	51.5
148	63.0	51.2	76.8

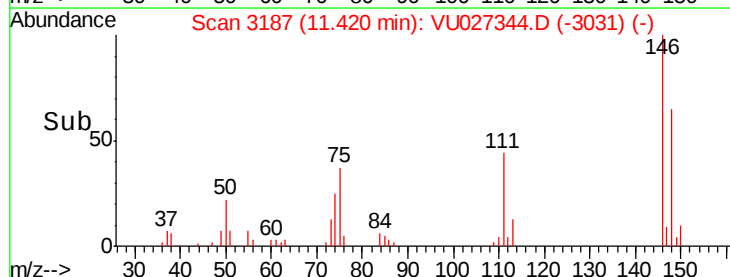
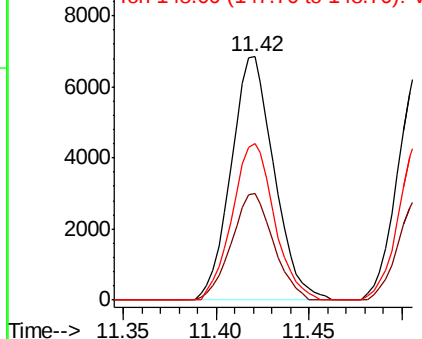


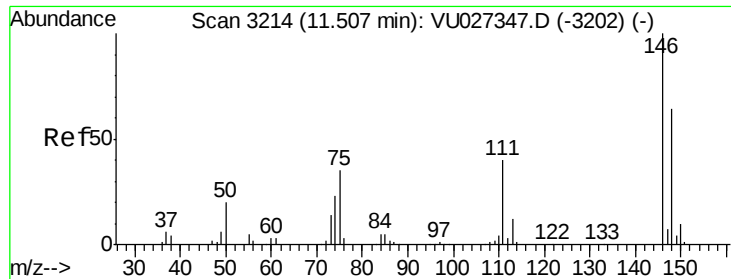
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





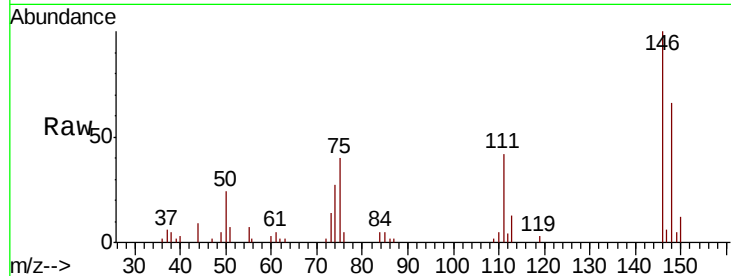
#83
 1,4-Dichlorobenzene
 Concen: 0.886 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	32.6	49.0
148	64.7	51.4	77.2

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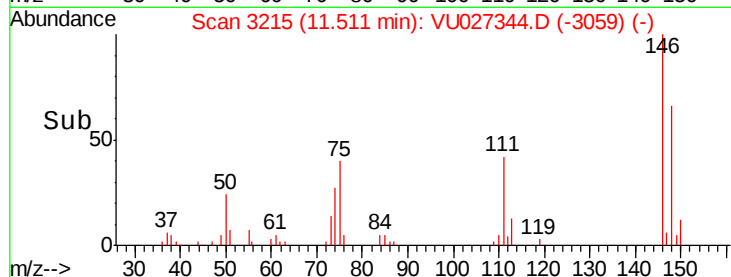
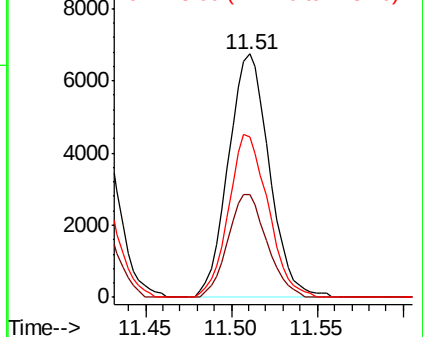


Abundance

Ion 146.00 (145.70 to 146.70): V

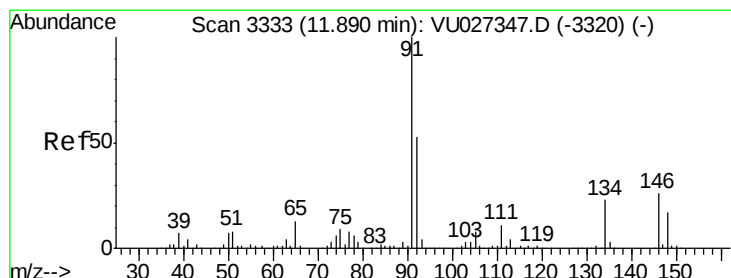
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



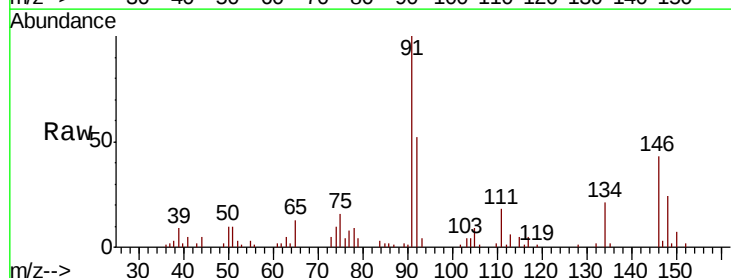
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#84
 n-Butylbenzene
 Concen: 0.774 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	42.2	63.2
134	22.0	18.2	27.4

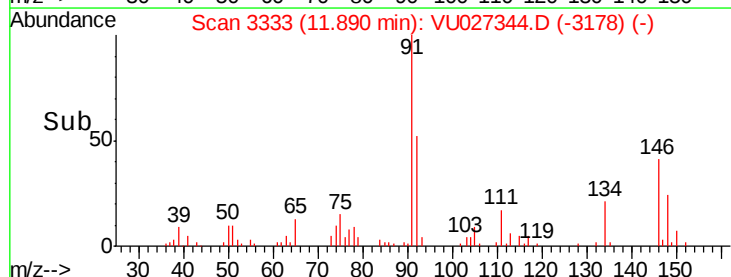
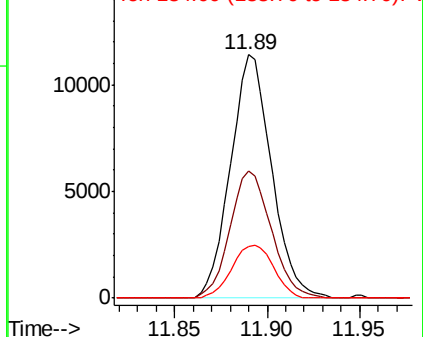


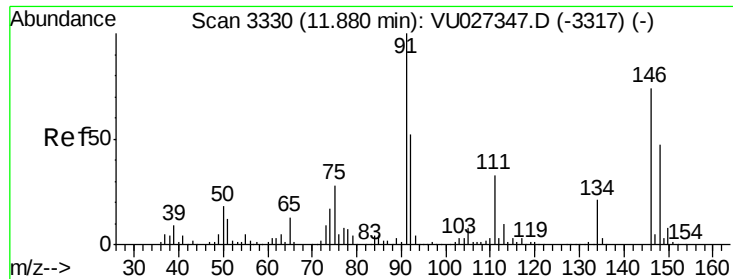
Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





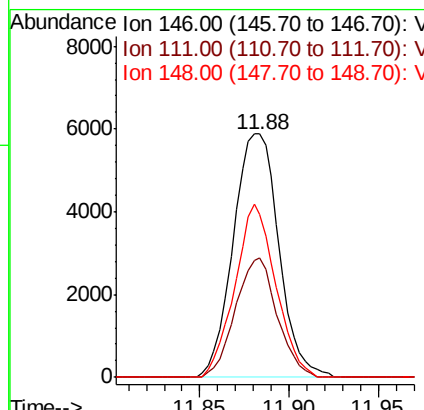
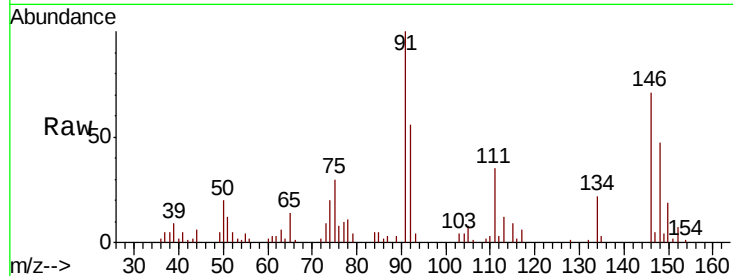
#85
 1,2-Dichlorobenzene
 Concen: 0.894 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.1	66.3
148	63.6	32.0	96.0

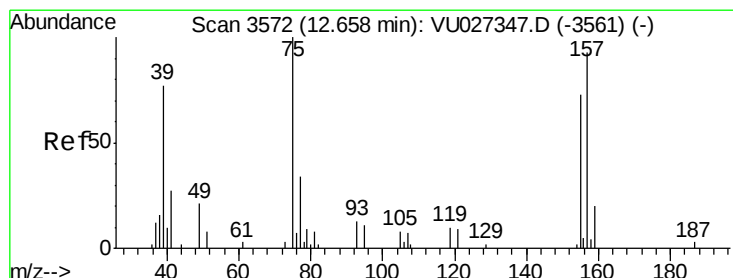
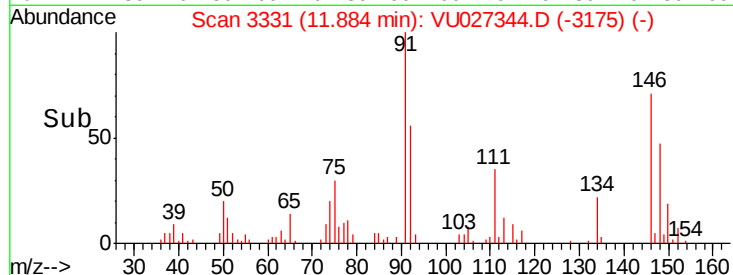
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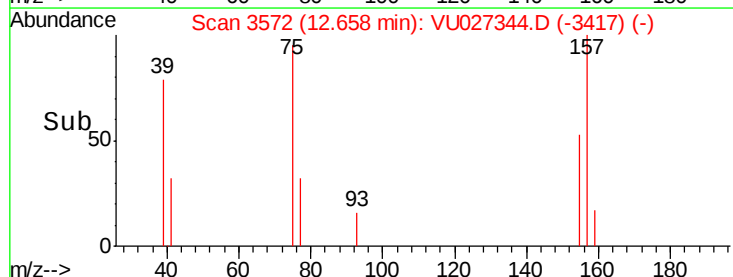
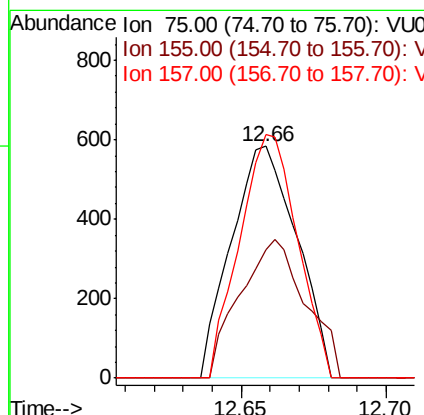
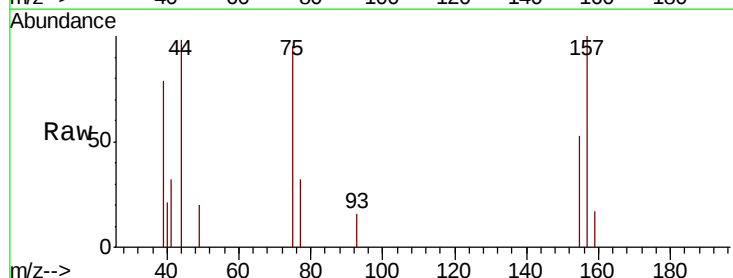
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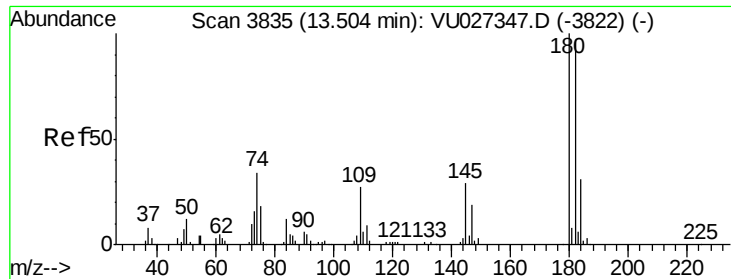
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.247 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VU027344.D
 Acq: 02 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.1	56.6	84.8
157	92.5	71.8	107.6





#87

1,2,4-Trichlorobenzene

Concen: 0.792 ug/l

RT: 13.51 min Scan# 3836

Delta R.T. 0.00 min

Lab File: VU027344.D

Acq: 02 Oct 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

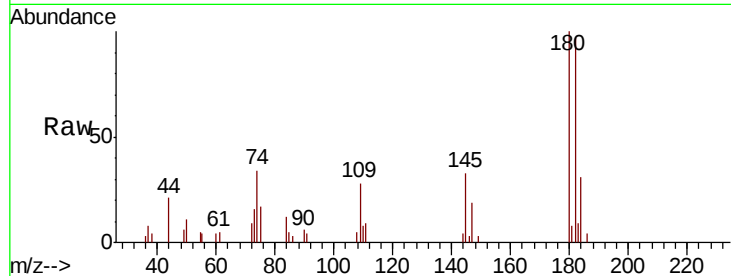
VSTDIC001

Tot Ion:	180	Resp:	6203
Ion Ratio	Lower	Upper	
180	100		
182	98.4	77.5	116.3
145	28.3	23.9	35.9

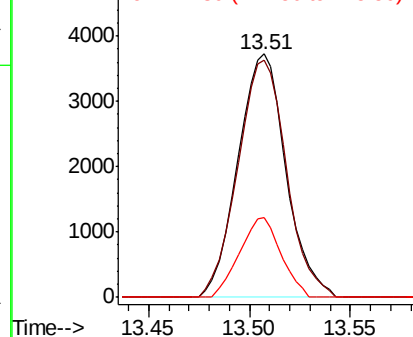
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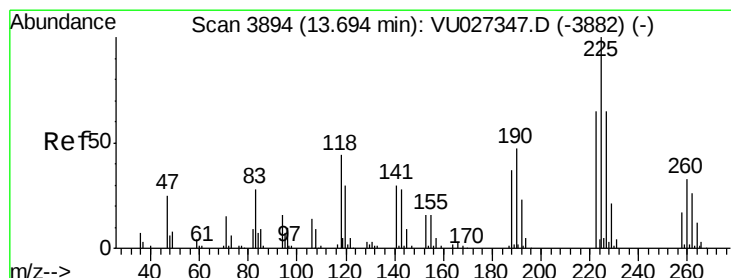
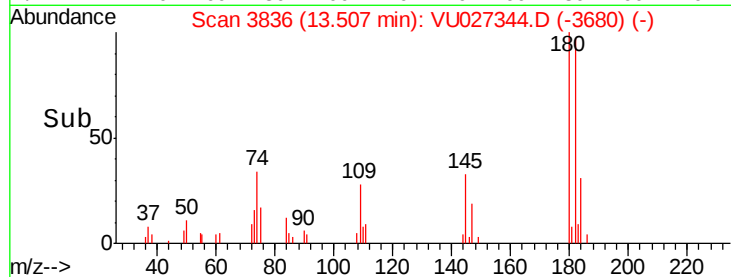


Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



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#88

Hexachlorobutadiene

Concen: 0.921 ug/l

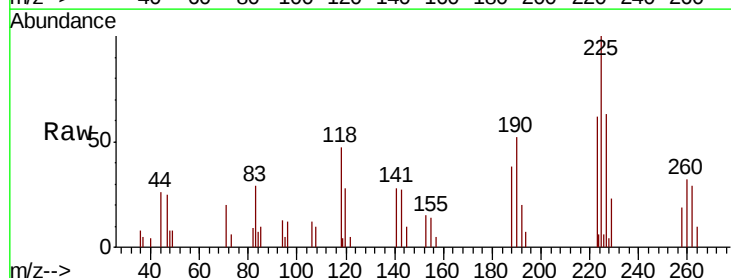
RT: 13.69 min Scan# 3894

Delta R.T. -0.00 min

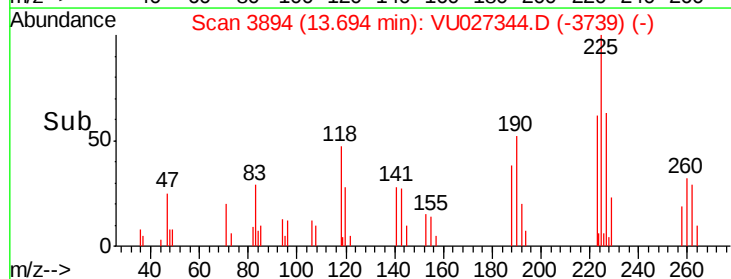
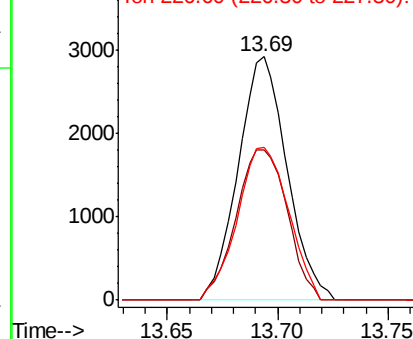
Lab File: VU027344.D

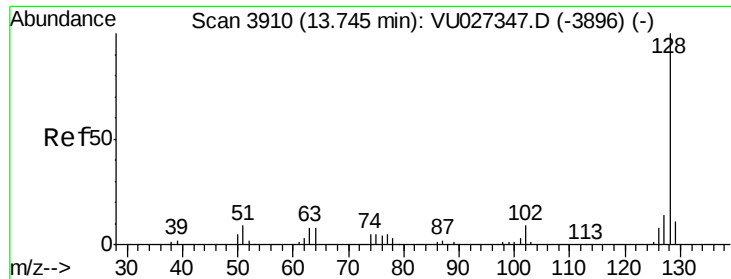
Acq: 02 Oct 2018 15:41

Tgt Ion:	225	Resp:	4493
Ion Ratio	Lower	Upper	
225	100		
223	64.7	51.4	77.0
227	65.8	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





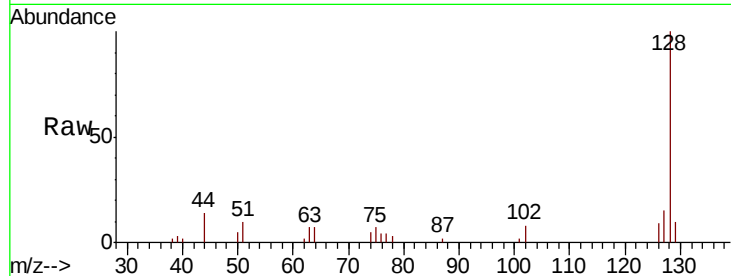
#89
Naphthalene
Concen: 0.789 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	9.7	8.4	12.6

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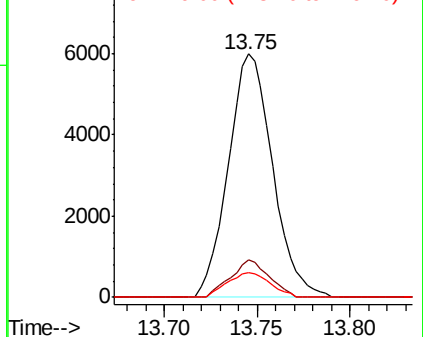


Abundance

Ion 128.00 (127.70 to 128.70): V

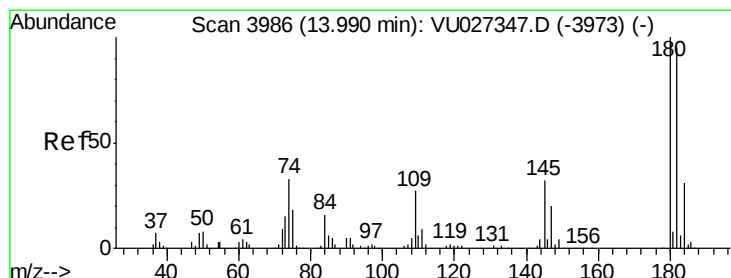
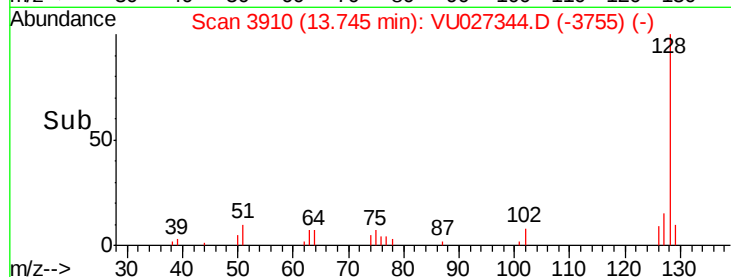
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



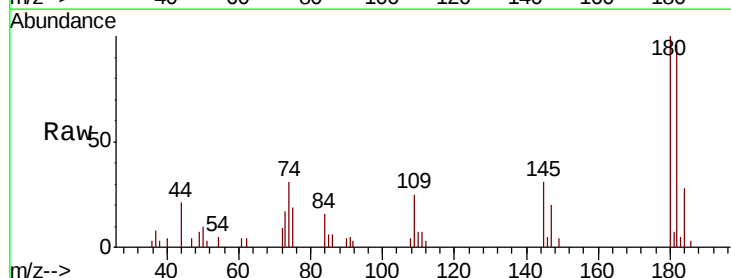
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#90
1,2,3-Trichlorobenzene
Concen: 0.800 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. -0.00 min
Lab File: VU027344.D
Acq: 02 Oct 2018 15:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.2	114.4
145	31.3	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

