

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU043018\
 Data File : VU023532.D
 Acq On : 30 Apr 2018 17:17
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC020

Manual Integrations
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 5/3/2018 4:49:08 PM

Quant Time: May 01 05:00:37 2018
 Quant Method : W:\HPCHEM1\MSVOA U\METHOD\524U043018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 01 04:31:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	53373	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	17538	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	17415	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	340924	20.19	ug/l	99
3) Chloromethane	1.33	50	368997	17.28	ug/l	100
4) Vinyl Chloride	1.40	62	379059	19.55	ug/l	98
5) Bromomethane	1.64	94	199820	15.78	ug/l	100
6) Chloroethane	1.70	64	201414	18.10	ug/l	99
7) Trichlorofluoromethane	1.89	101	430919	19.63	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	267629	20.47	ug/l	99
9) 1,1-Dichloroethene	2.29	96	249475	19.05	ug/l	99
10) Iodomethane	2.42	142	327490	22.31	ug/l	99
11) Allyl Chloride	2.60	41	460789	22.03	ug/l	99
12) Acrylonitrile	2.95	53	98407	33.11	ug/l	93
13) Acetone	2.34	43	193484	81.80	ug/l	97
14) Carbon Disulfide	2.48	76	826240	20.07	ug/l	100
15) Methylene Chloride	2.71	84	259678	16.37	ug/l	99
16) trans-1,2-Dichloroethene	2.99	96	266285	18.78	ug/l	99
17) 1,1-Dichloroethane	3.45	63	527189	19.91	ug/l	99
18) 2-Butanone	4.30	43	355378	98.26	ug/l	100
19) Cyclohexane	4.99	56	464352	24.31	ug/l	100
20) Methylcyclohexane	6.41	83	525316	23.76	ug/l	99
21) 2,2-Dichloropropane	4.23	77	417808	21.56	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	290703	18.44	ug/l	100
23) Diethyl Ether	2.11	59	207425	19.40	ug/l	100
24) tert-Butyl Alcohol	2.87	59	162146	155.67	ug/l #	83
25) Methyl tert-Butyl Ether	3.01	73	636715	19.19	ug/l	99
26) Bromochloromethane	4.55	128	112098	16.21	ug/l	98
27) Chloroform	4.68	83	493611	18.70	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	416105	20.50	ug/l	100
29) 1,1-Dichloropropene	5.13	75	406812	20.33	ug/l	100
30) Carbon Tetrachloride	5.13	117	360481	21.19	ug/l	99
31) Isopropyl Ether	3.58	45	904201	22.38	ug/l	100
32) Ethyl-t-butyl ether	4.09	59	781323	21.43	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	684457	21.68	ug/l	99
34) Propionitrile	4.36	54	100960	92.26	ug/l #	95
35) Benzene	5.39	78	1245421	20.57	ug/l	100
36) 1,2-Dichloroethane	5.41	62	340491	21.21	ug/l	100
37) Trichloroethene	6.19	130	323206	20.03	ug/l	98
38) 1,2-Dichloropropane	6.44	63	333606	21.66	ug/l	97
39) Methacrylonitrile	4.56	41	98957	21.81	ug/l	97
40) Methyl acrylate	4.44	55	150830	21.97	ug/l	99
41) Tetrahydrofuran	4.67	42	97600	38.54	ug/l	99
42) 1-Chlorobutane	5.07	56	590620	21.95	ug/l	100

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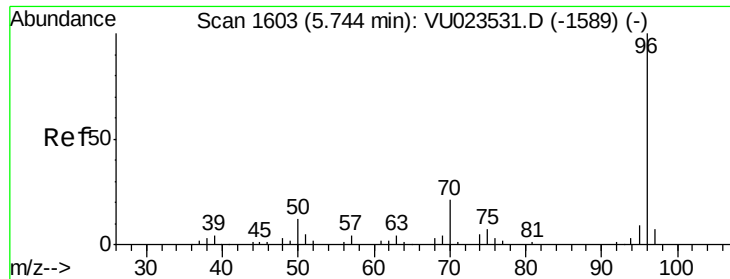
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	143197	19.64	ug/l	99
44) Bromodichloromethane	6.76	83	371777	21.80	ug/l	99
45) 4-Methyl-2-Pentanone	7.48	43	921413	109.72	ug/l	98
46) t-1,4-Dichloro-2-butene	10.52	75	125463m	47.91	ug/l	
47) Methyl methacrylate	6.64	69	285899	41.32	ug/l	98
48) Ethyl methacrylate	8.03	69	265761	21.58	ug/l	99
49) Toluene	7.64	92	741836	20.95	ug/l	99
50) t-1,3-Dichloropropene	7.89	75	347885	23.72	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	440885	23.34	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	204107	19.22	ug/l	99
53) 1,3-Dichloropropane	8.25	76	372195	20.37	ug/l	100
54) 2-Hexanone	8.37	43	639185	111.60	ug/l	98
55) Dibromochloromethane	8.48	129	239065	21.88	ug/l	100
56) 1,2-Dibromoethane	8.59	107	181863	19.46	ug/l	99
58) Tetrachloroethene	8.23	164	304459	21.20	ug/l	98
59) Chlorobenzene	9.12	112	772790	19.89	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	261972	20.00	ug/l	99
61) Pentachloroethane	11.10	117	175427	18.50	ug/l	99
62) Hexachloroethane	12.15	117	177547	20.81	ug/l	100
63) Ethyl Benzene	9.25	91	1372703	21.42	ug/l	100
64) m/p-Xylenes	9.38	106	1045904	42.19	ug/l	99
65) o-Xylene	9.78	106	503108	20.58	ug/l	100
66) Styrene	9.80	104	845305	20.94	ug/l	100
67) Bromoform	9.96	173	125322	21.07	ug/l	99
69) Isopropylbenzene	10.17	105	1288516	21.12	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	232280	18.25	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	147000	15.65	ug/l #	96
72) Bromobenzene	10.46	156	305163	18.60	ug/l	97
73) n-propylbenzene	10.59	120	361698	21.11	ug/l	98
74) 2-Chlorotoluene	10.66	126	301899	19.46	ug/l	99
75) 1,3,5-Trimethylbenzene	10.78	105	1087866	20.76	ug/l	100
76) 4-Chlorotoluene	10.78	126	317383	19.78	ug/l	98
77) tert-Butylbenzene	11.10	119	1004656	20.26	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	1104075	20.60	ug/l	99
79) sec-Butylbenzene	11.33	105	1409492	21.01	ug/l	100
80) Nitrobenzene	12.87	77	49130	170.40	ug/l	98
81) p-Isopropyltoluene	11.48	119	1185989	21.16	ug/l	100
82) 1,3-Dichlorobenzene	11.42	146	592202	18.55	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	594250	18.46	ug/l	99
84) n-Butylbenzene	11.89	91	1173472	22.06	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	542235	18.22	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	32876	19.25	ug/l	95
87) 1,2,4-Trichlorobenzene	13.51	180	428085	20.44	ug/l	99
88) Hexachlorobutadiene	13.70	225	243161	21.10	ug/l	99
89) Naphthalene	13.74	128	720986	21.79	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	393499	19.83	ug/l	99

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



#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

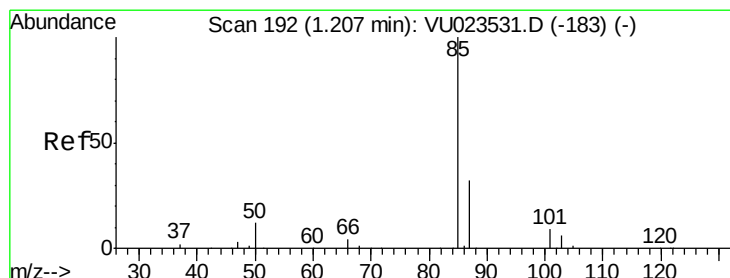
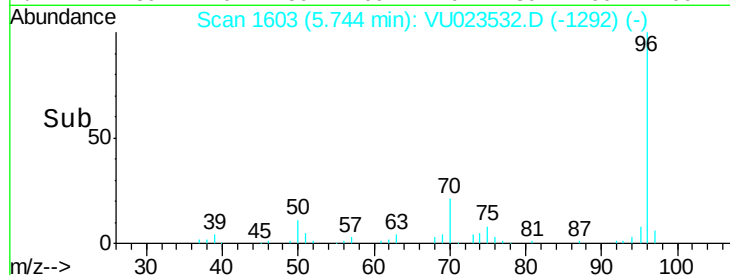
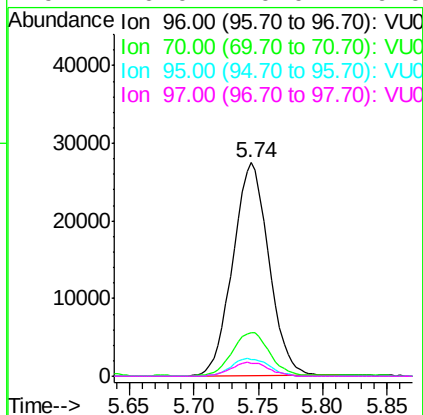
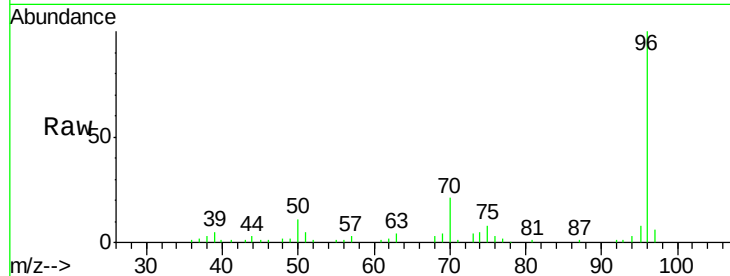
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	53373
Ion	Ratio	Lower	Upper
96	100		
70	21.0	16.2	24.4
95	0.0	6.9	10.3
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 20.19 ug/l

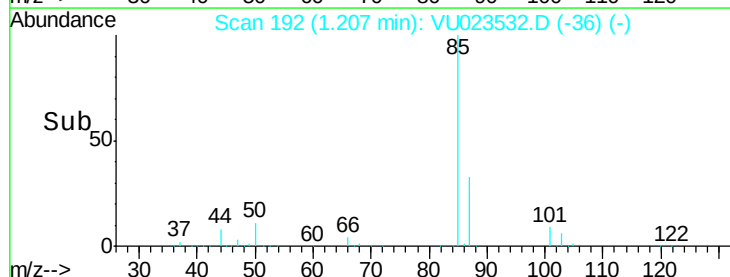
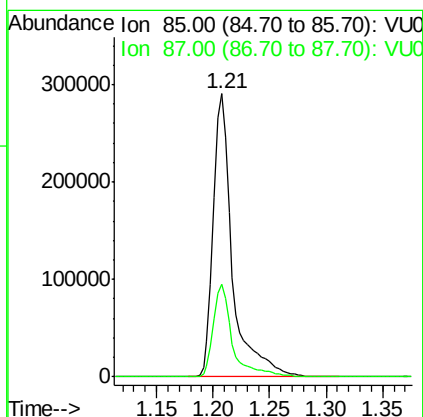
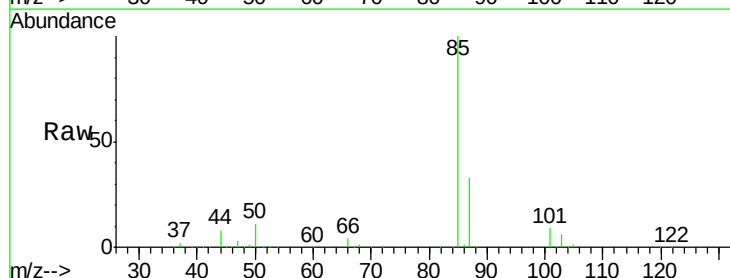
RT: 1.21 min Scan# 192

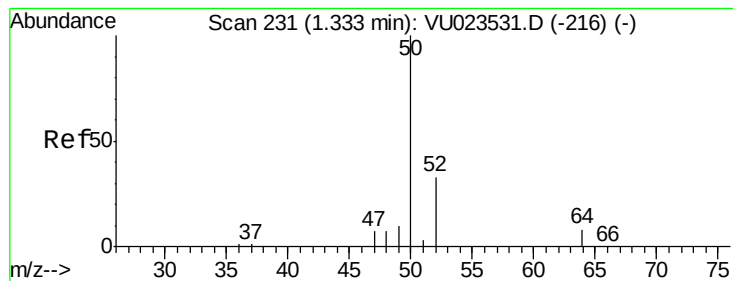
Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Tgt Ion:	85	Resp:	340924
Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.2	48.5





#3

Chloromethane

Concen: 17.28 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 368997

Ion Ratio Lower Upper

50 100

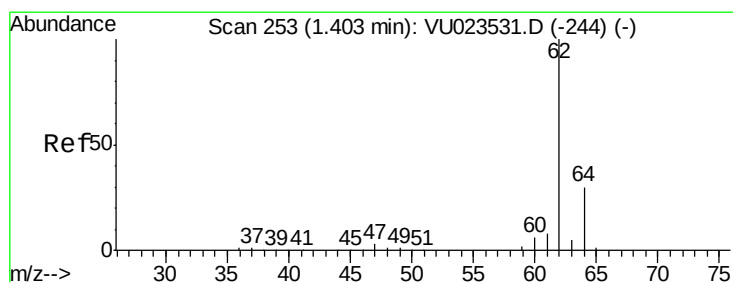
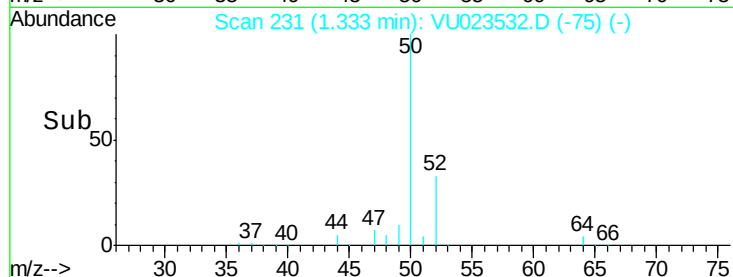
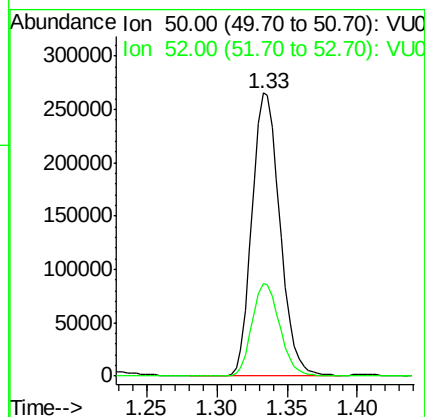
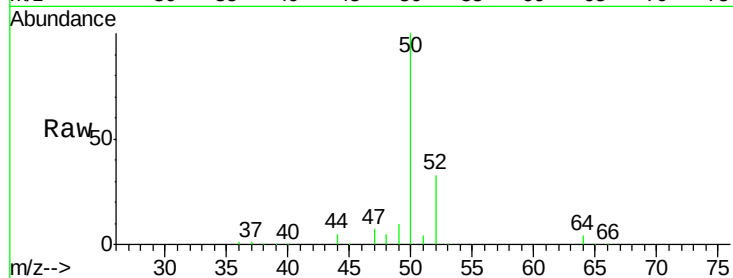
52 32.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.55 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU023532.D

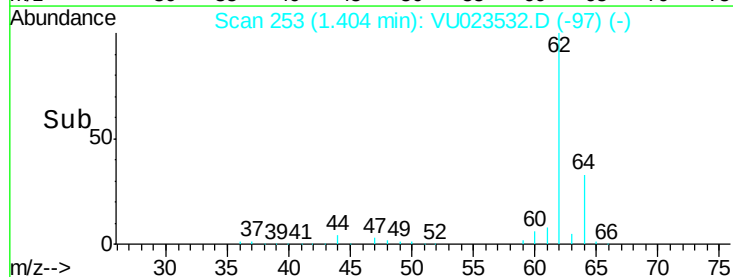
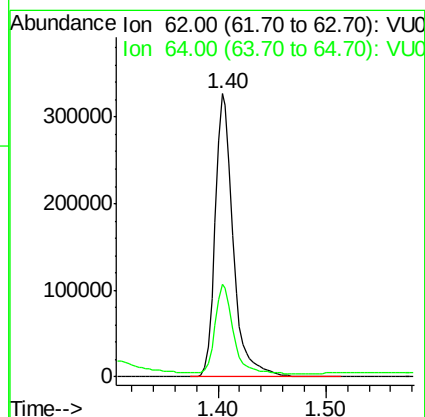
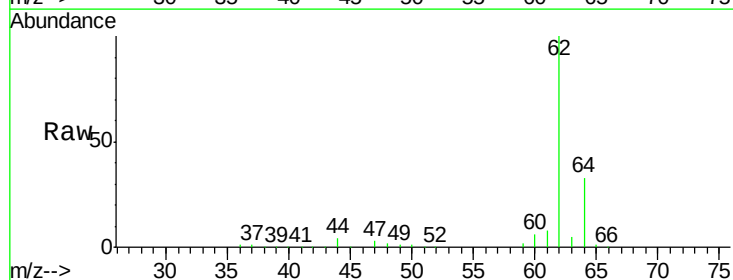
Acq: 30 Apr 2018 17:17

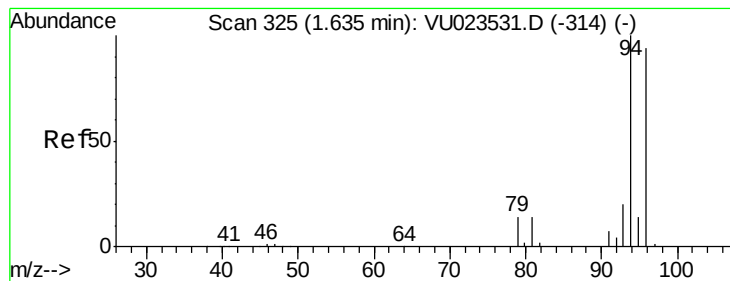
Tgt Ion: 62 Resp: 379059

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8





#5

Bromomethane

Concen: 15.78 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 199820

Ion Ratio Lower Upper

94 100

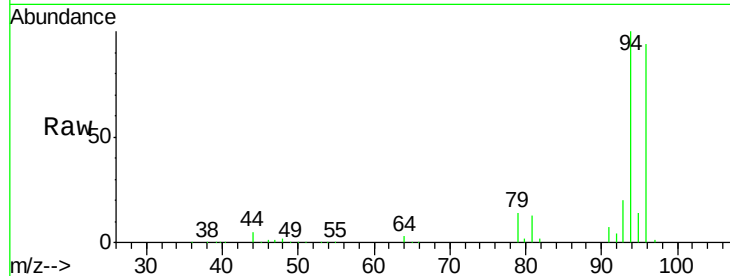
96 94.0 75.1 112.7

Manual Integrations

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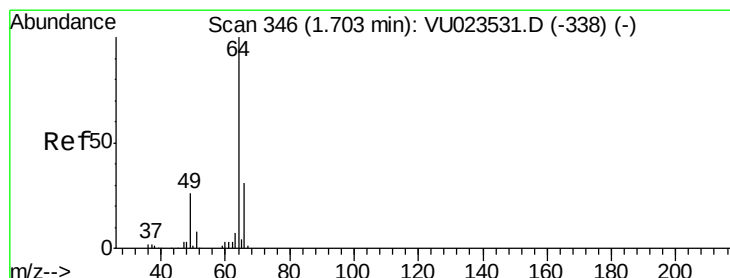
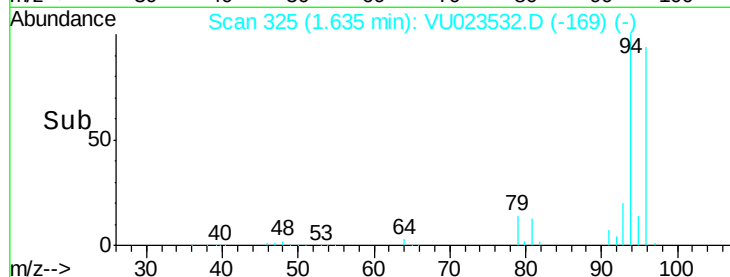
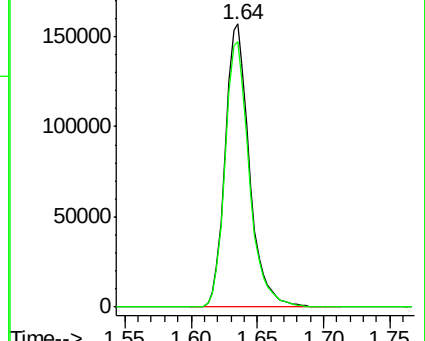
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 18.10 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU023532.D

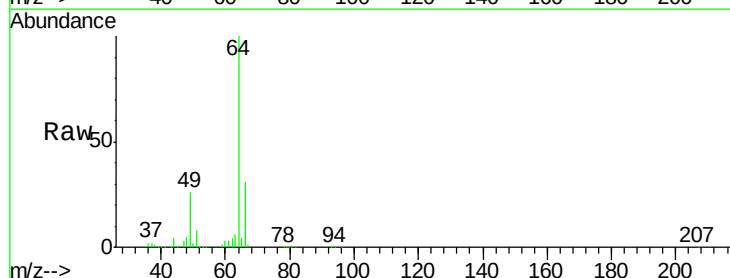
Acq: 30 Apr 2018 17:17

Tgt Ion: 64 Resp: 201414

Ion Ratio Lower Upper

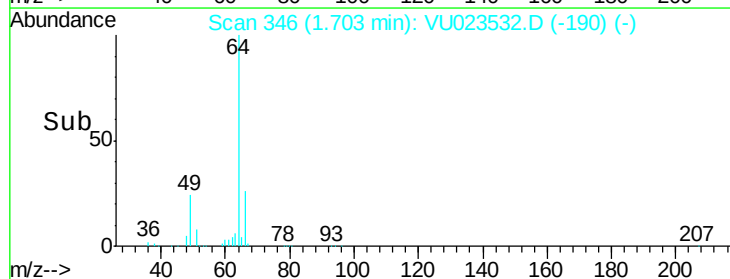
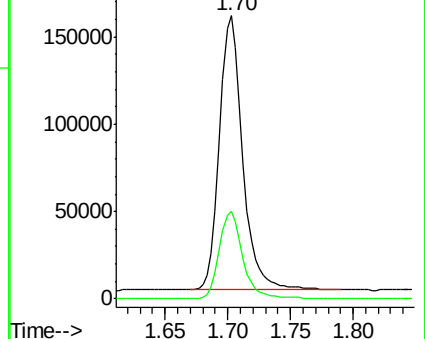
64 100

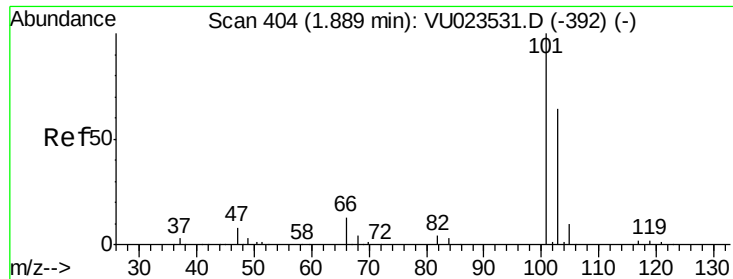
66 31.7 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

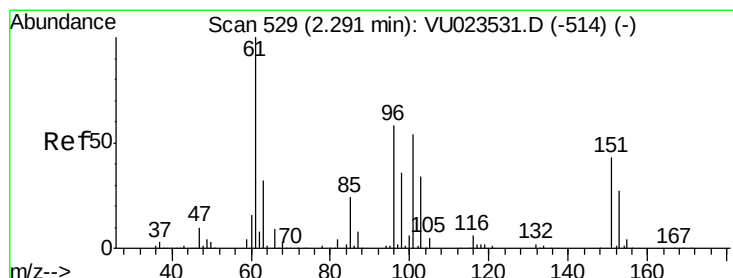
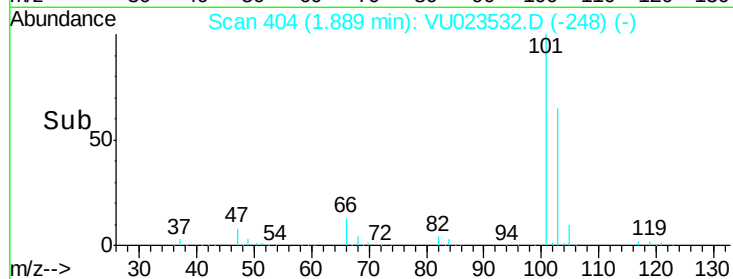
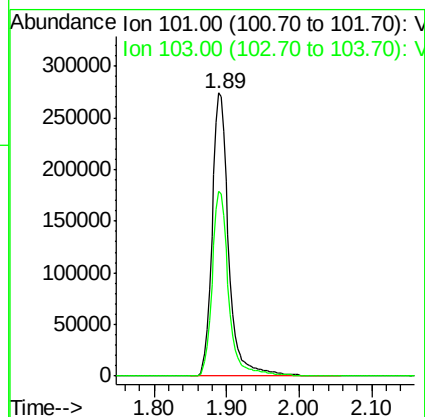
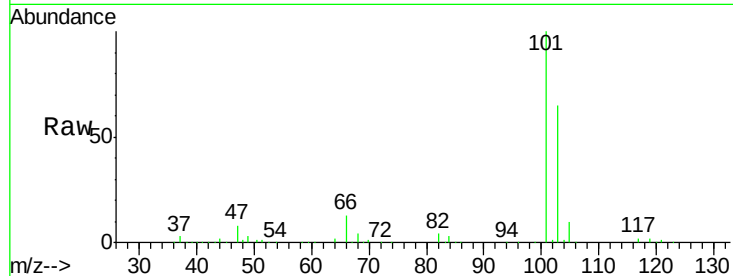
Trichlorofluoromethane
 Concen: 19.63 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		430919		
103	65.5	51.4	77.0		

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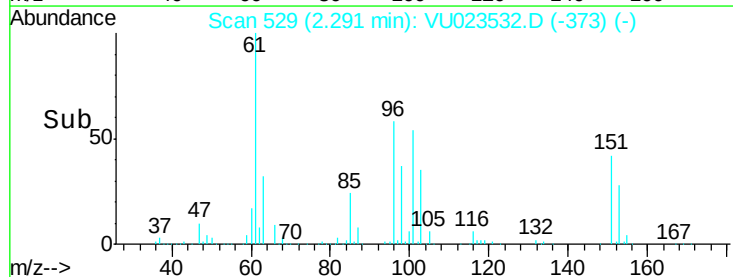
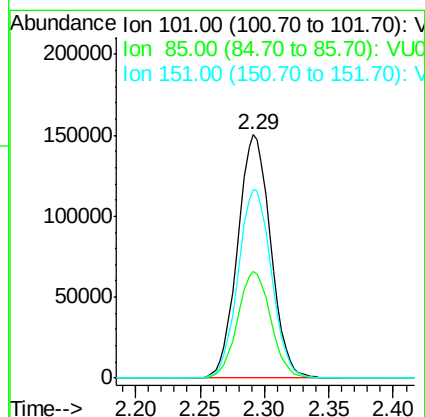
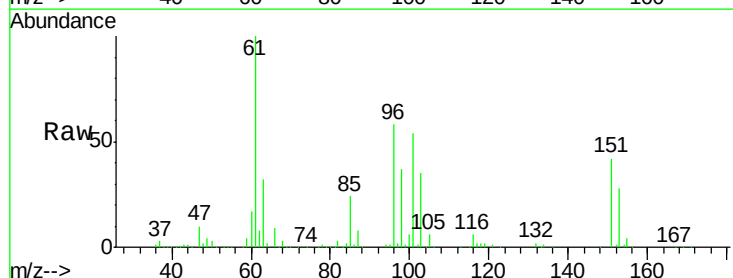
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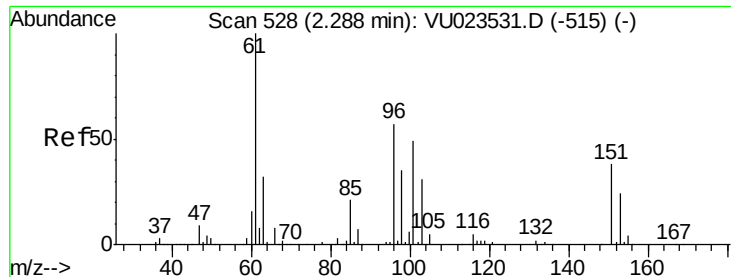


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 20.47 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		267629		
85	44.0	35.2	52.8		
151	78.6	63.5	95.3		





#9

1,1-Dichloroethene

Concen: 19.05 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

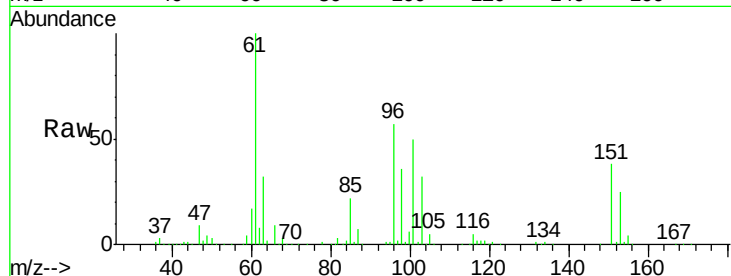
ClientSampleId :

VSTDIC020

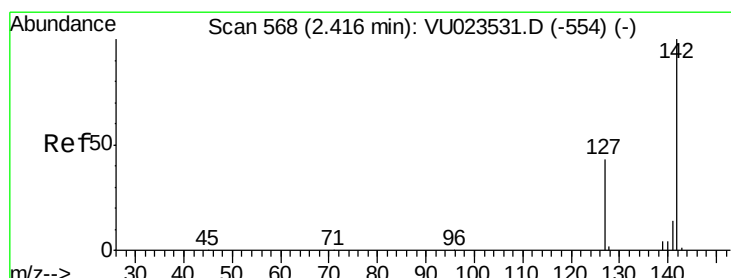
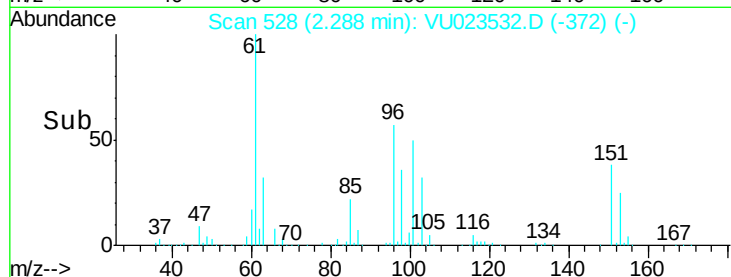
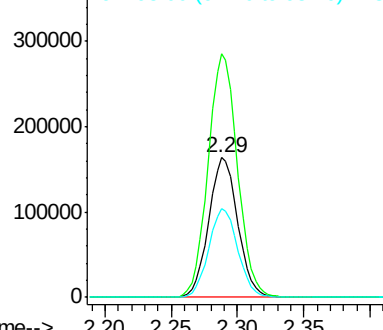
Tot Ion:	96	Resp:	249475
Ion	Ratio	Lower	Upper
96	100		
61	174.5	0.0	526.5
98	63.5	0.0	123.4

Manual Integrations
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Abundance Ion 96.00 (95.70 to 96.70): VU023531.D (-515) (-)



#10

Iodomethane

Concen: 22.31 ug/l

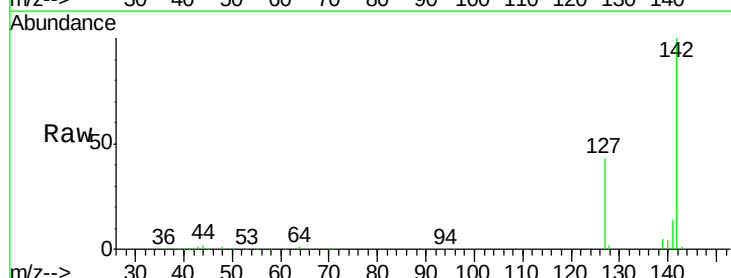
RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

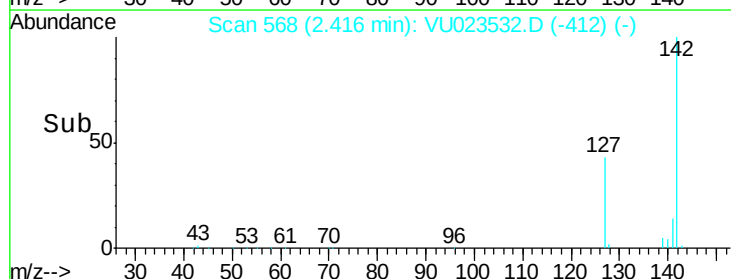
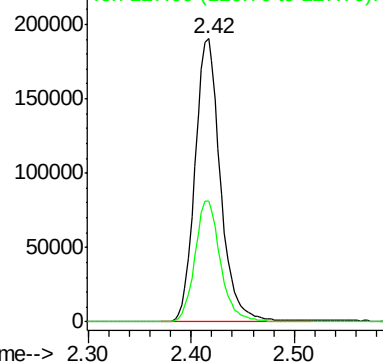
Lab File: VU023532.D

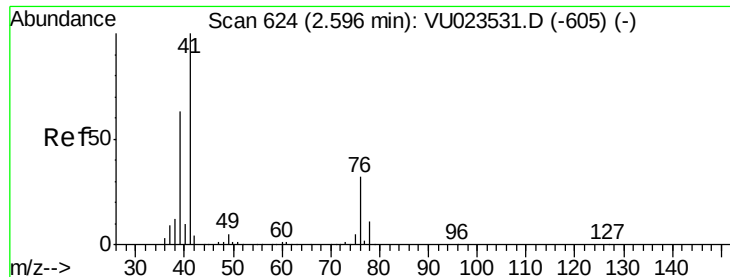
Acq: 30 Apr 2018 17:17

Tgt Ion:	142	Resp:	327490
Ion	Ratio	Lower	Upper
142	100		
127	42.7	34.5	51.7



Abundance Ion 142.00 (141.70 to 142.70): VU023531.D (-554) (-)





#11

Allvl Chloride

Concen: 22.03 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 460789

Ion Ratio Lower Upper

41 100

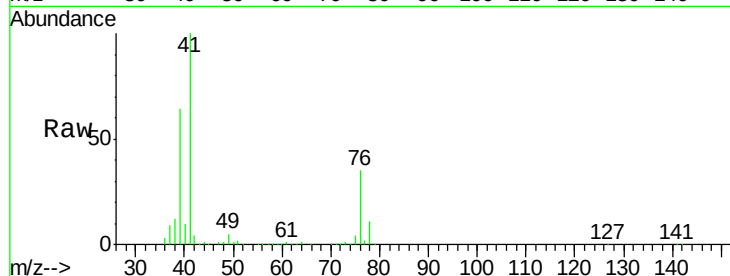
39 63.8 51.4 77.2

Manual Integrations

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Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

2.60

300000

250000

200000

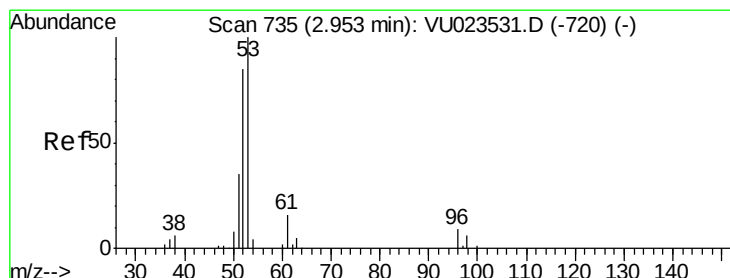
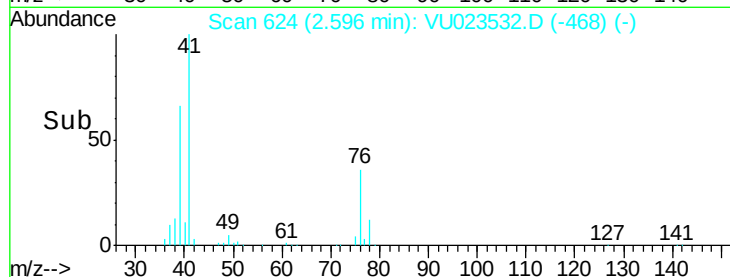
150000

100000

50000

0

Time-->



#12

Acrylonitrile

Concen: 33.11 ug/l

RT: 2.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

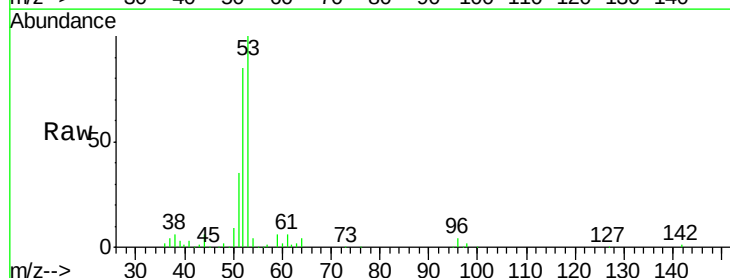
Tgt Ion: 53 Resp: 98407

Ion Ratio Lower Upper

53 100

52 89.5 65.1 97.7

51 35.6 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

2.95

60000

50000

40000

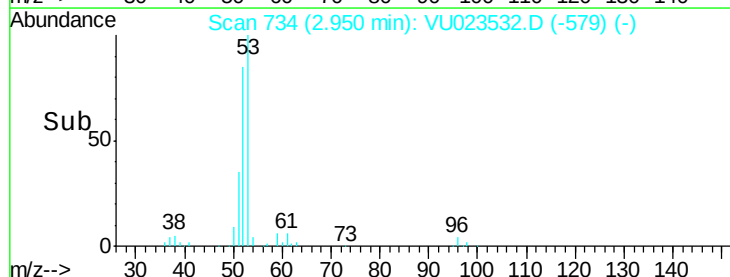
30000

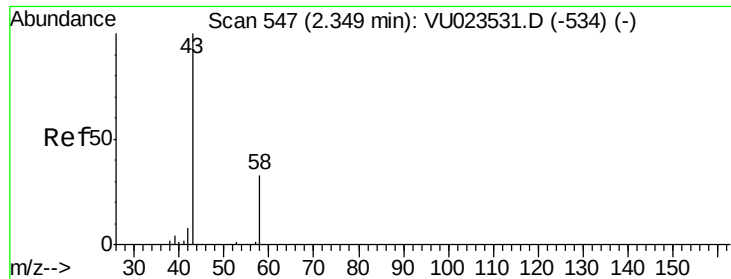
20000

10000

0

Time-->





#13

Acetone

Concen: 81.80 ug/l

RT: 2.34 min Scan# 544

Delta R.T. -0.01 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 193484

Ion Ratio Lower Upper

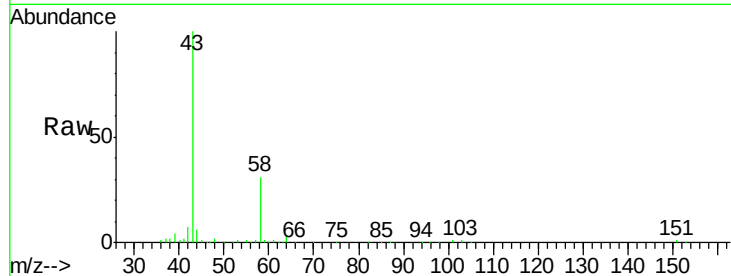
43 100

58 31.0 26.0 39.0

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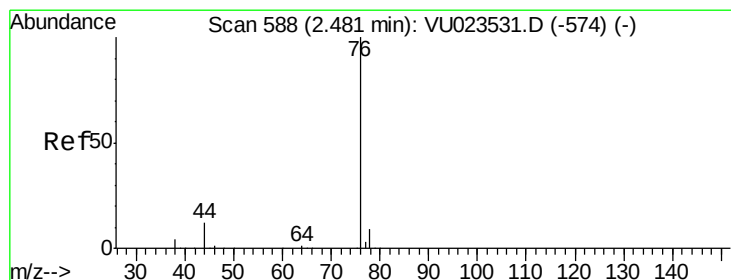
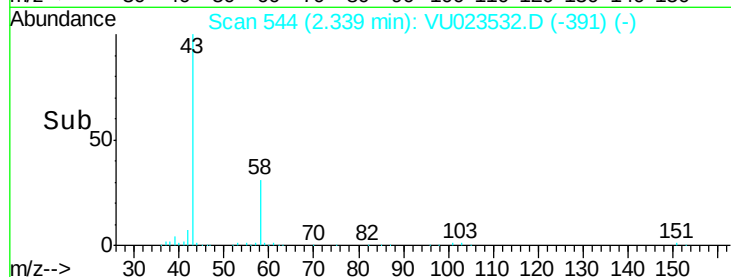
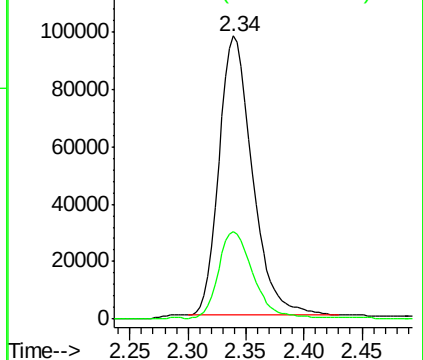
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 20.07 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU023532.D

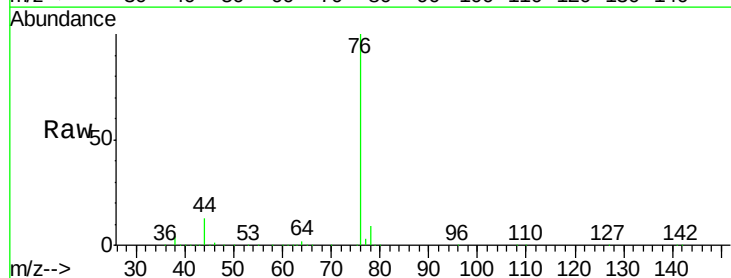
Acq: 30 Apr 2018 17:17

Tgt Ion: 76 Resp: 826240

Ion Ratio Lower Upper

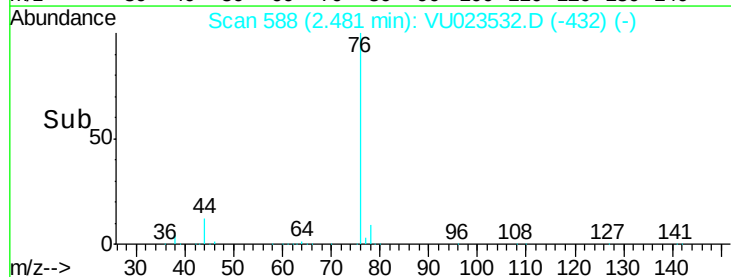
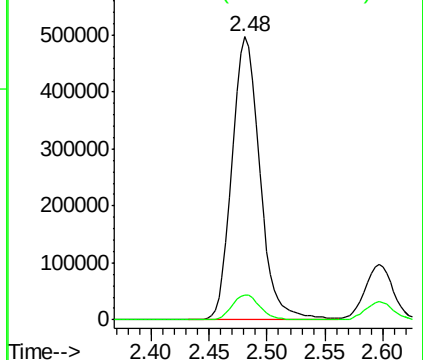
76 100

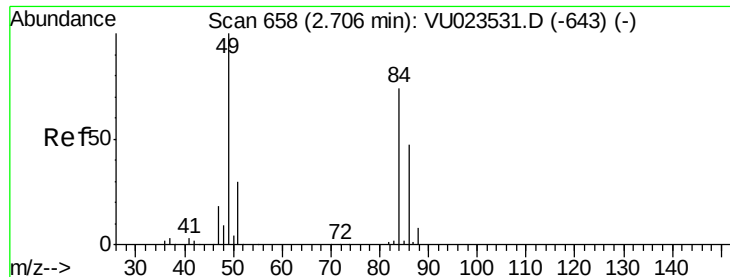
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





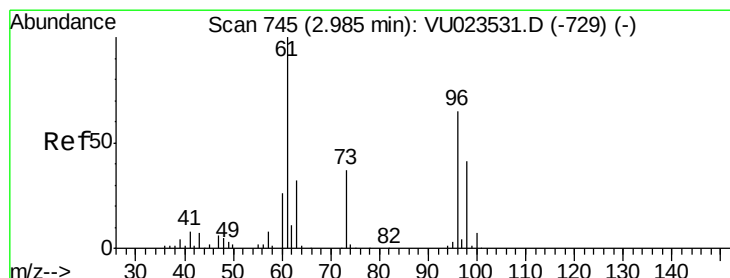
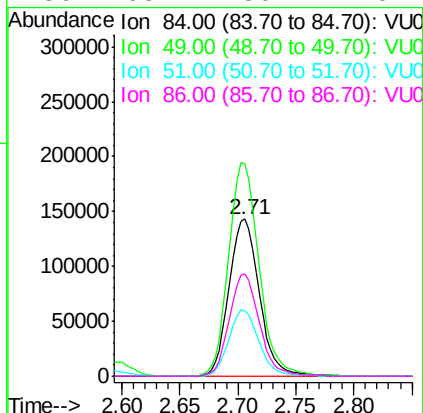
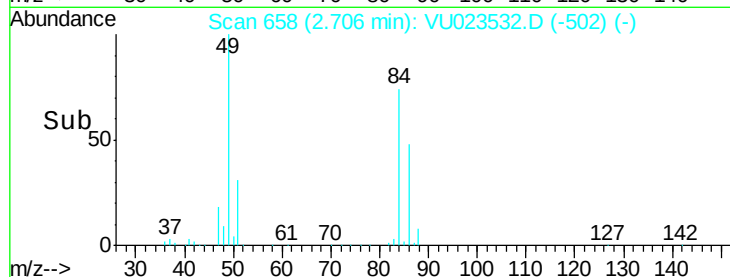
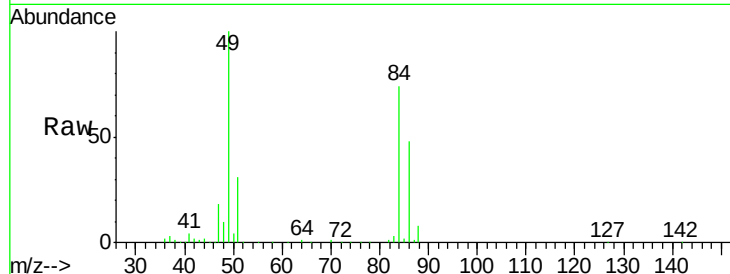
#15
Methvlene Chloride
Concen: 16.37 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:	84	Resp:	259678
Ion	Ratio	Lower	Upper
84	100		
49	135.6	108.7	163.1
51	41.8	0.0	82.4
86	65.1	50.7	76.1

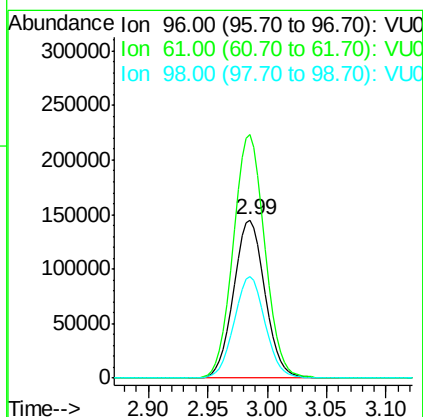
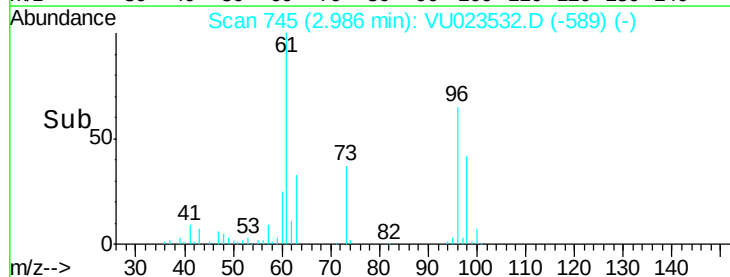
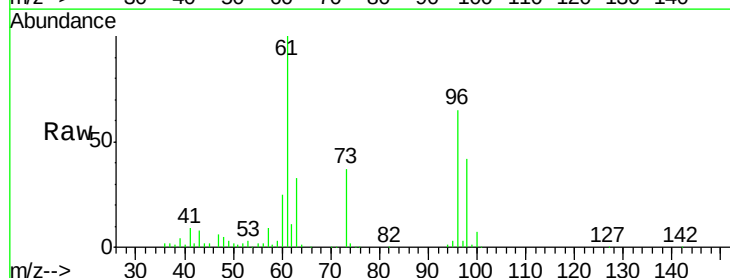
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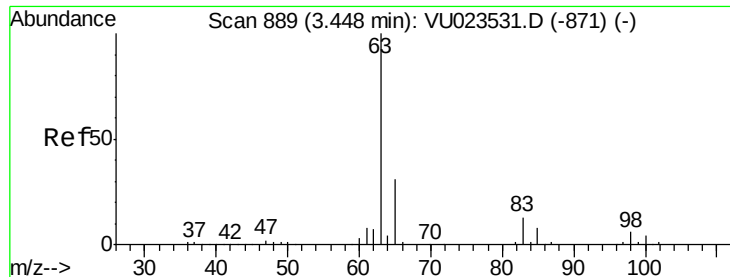
apatel
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#16
trans-1,2-Dichloroethene
Concen: 18.78 ug/l
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion:	96	Resp:	266285
Ion	Ratio	Lower	Upper
96	100		
61	153.9	123.9	185.9
98	64.6	50.6	76.0





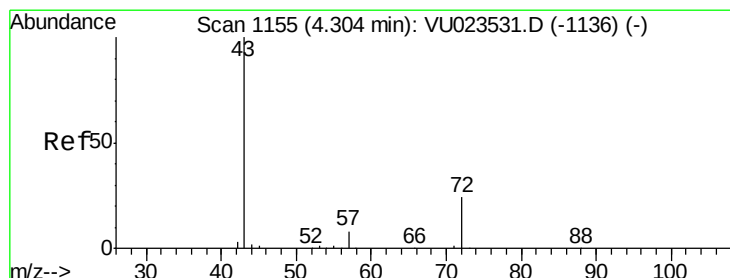
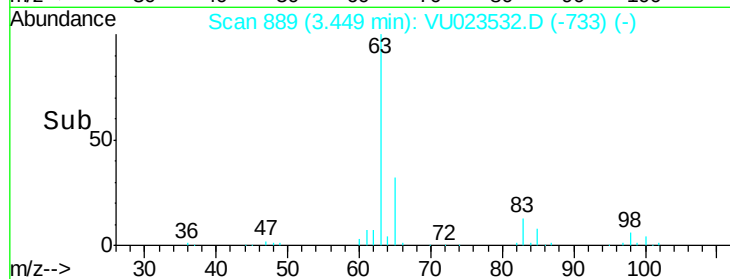
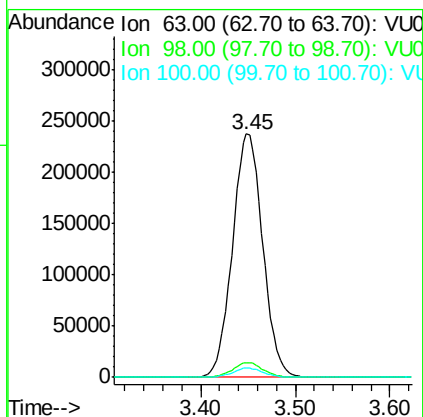
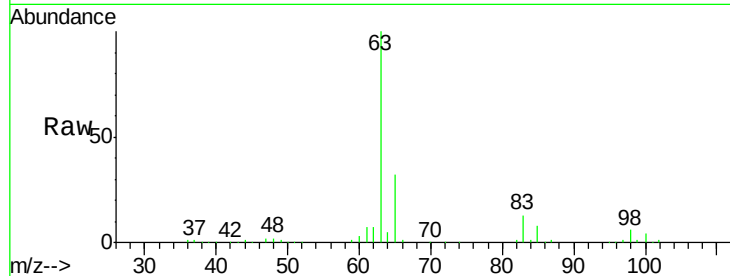
#17
 1,1-Dichloroethane
 Concen: 19.91 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	63	Resp:	527189
Ion Ratio	Lower	Upper	
63	100		
98	6.1	2.9	8.8
100	4.0	2.0	5.8

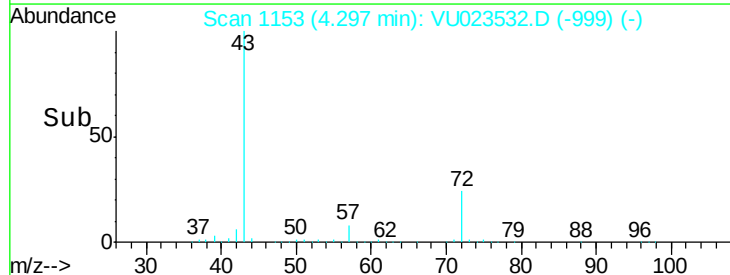
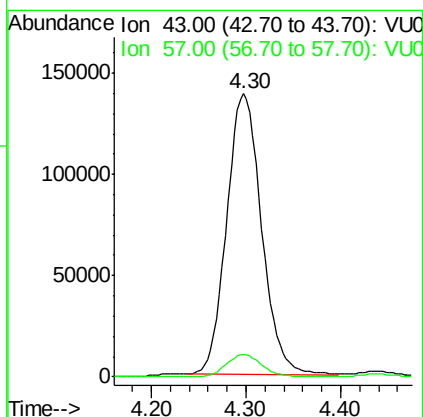
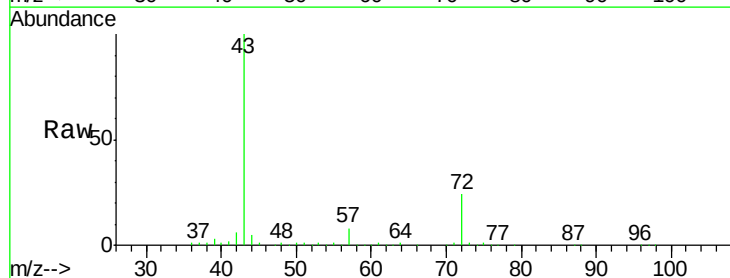
Manual Integrations
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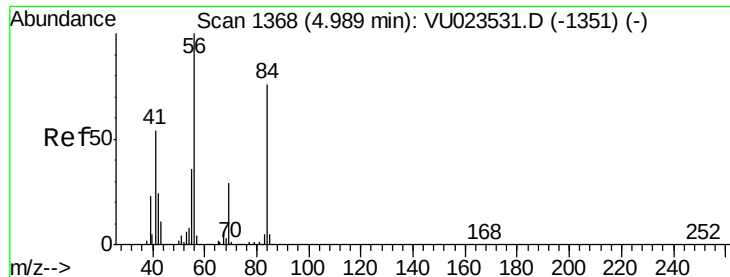
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#18
 2-Butanone
 Concen: 98.26 ug/l
 RT: 4.30 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion:	43	Resp:	355378
Ion Ratio	Lower	Upper	
43	100		
57	7.9	0.0	15.8





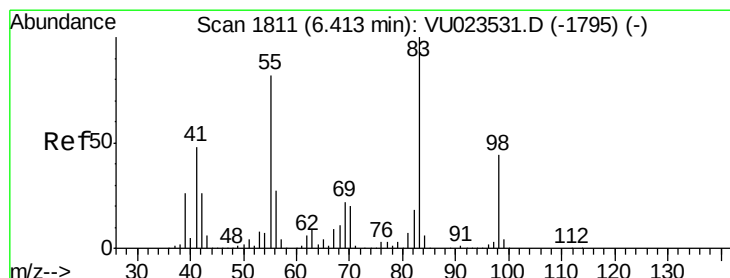
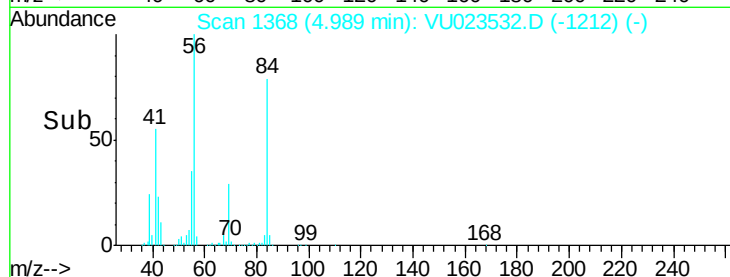
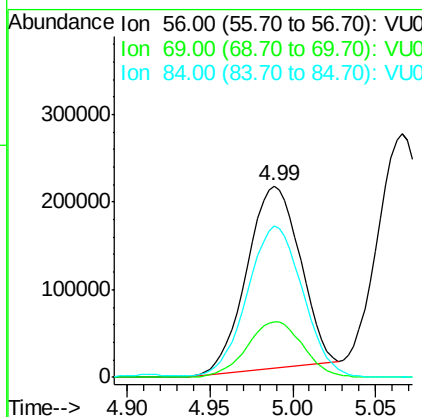
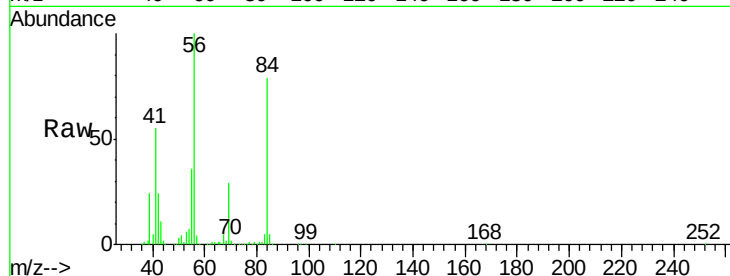
#19
Cyclohexane
Concen: 24.31 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.0	39.0
84	85.9	68.3	102.5

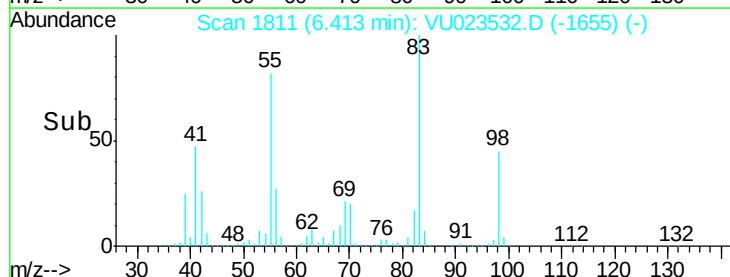
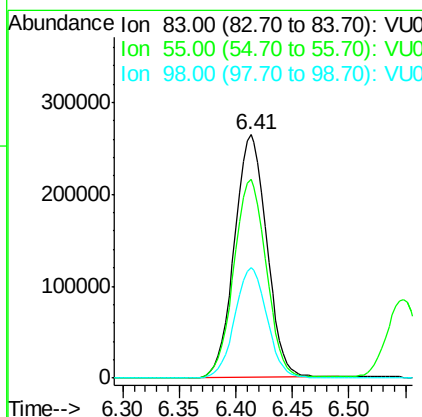
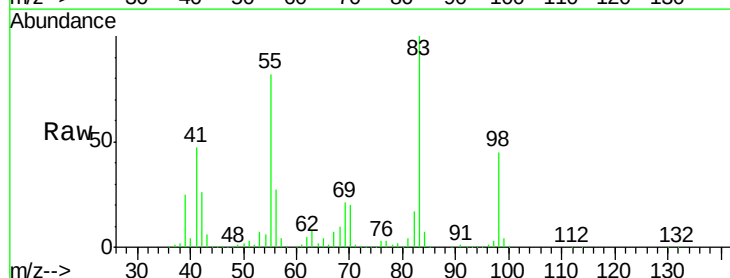
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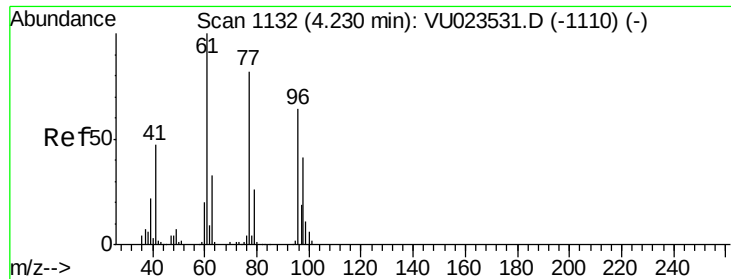
apatel
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#20
Methylcyclohexane
Concen: 23.76 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.4	99.6
98	45.0	35.4	53.2





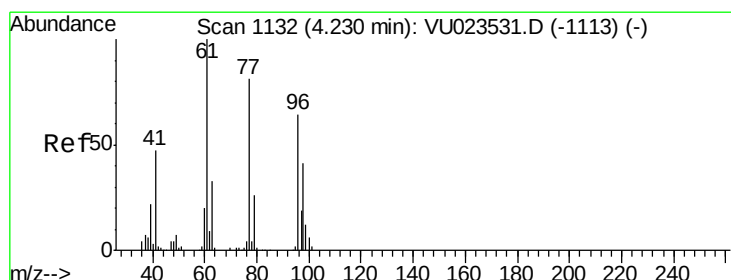
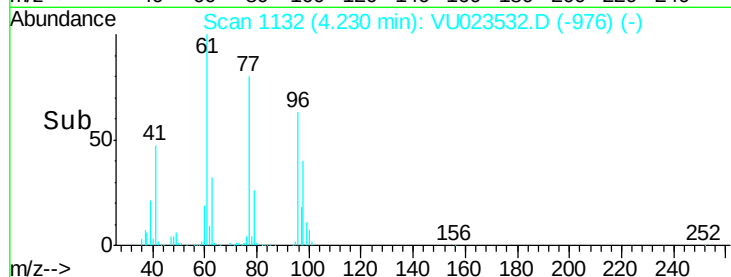
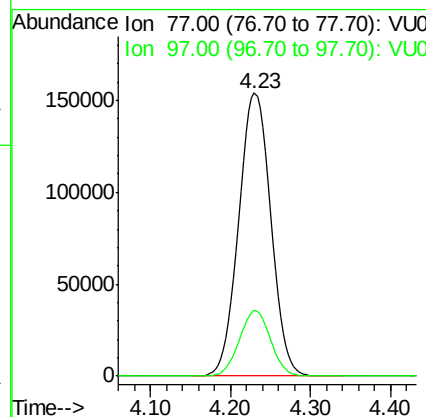
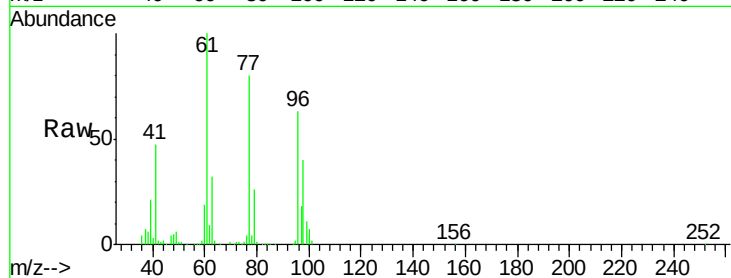
#21
 2,2-Dichloropropane
 Concen: 21.56 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	22.5	17.9	26.9

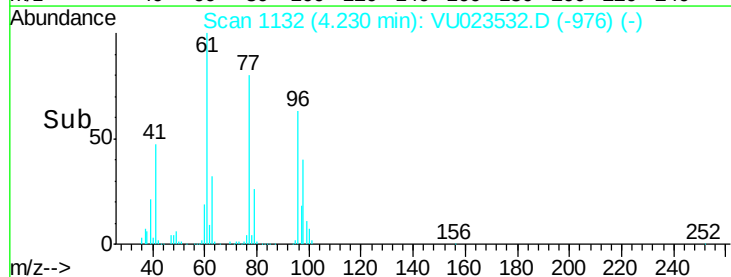
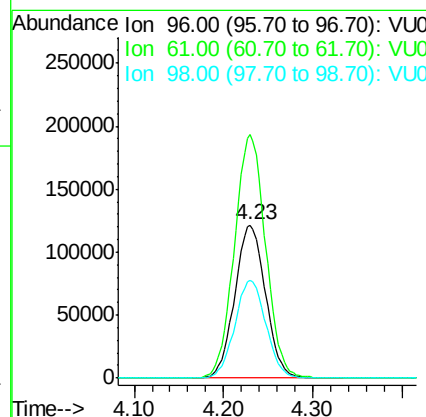
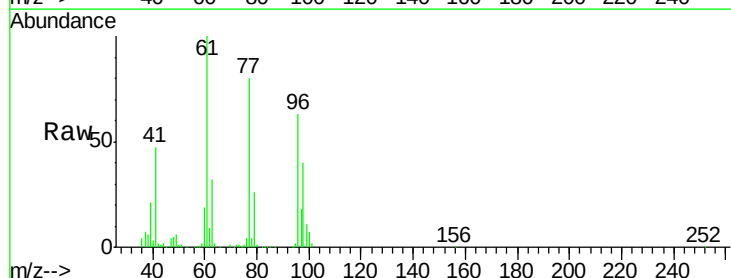
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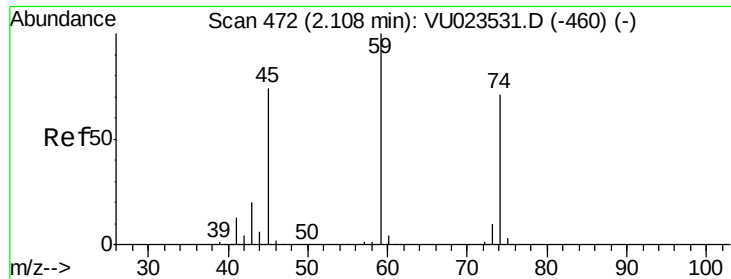
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#22
 cis-1,2-Dichloroethene
 Concen: 18.44 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	400.5
98	64.6	32.2	96.6





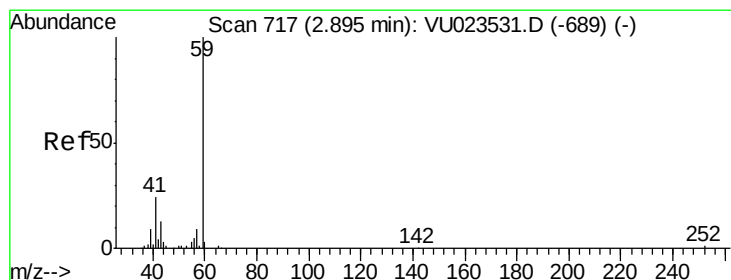
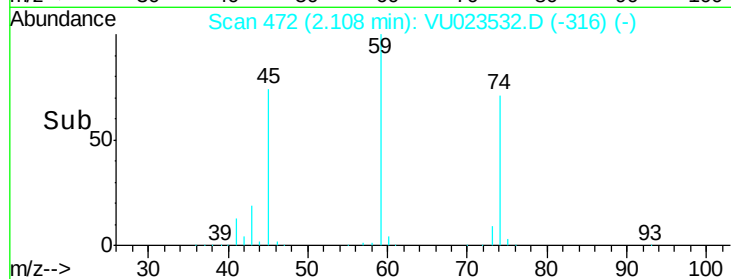
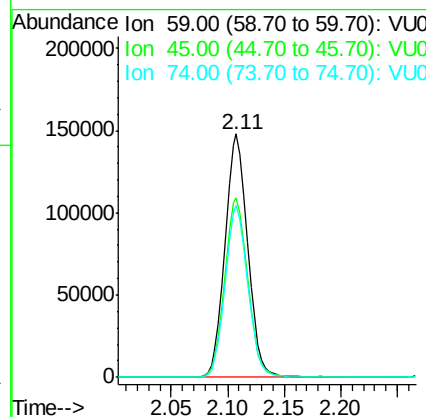
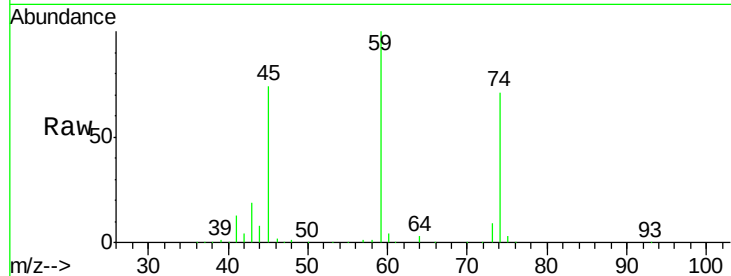
#23
Diethyl Ether
Concen: 19.40 ug/l
RT: 2.11 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		207425		
45	75.1		60.0	90.0	
74	70.5		56.5	84.7	

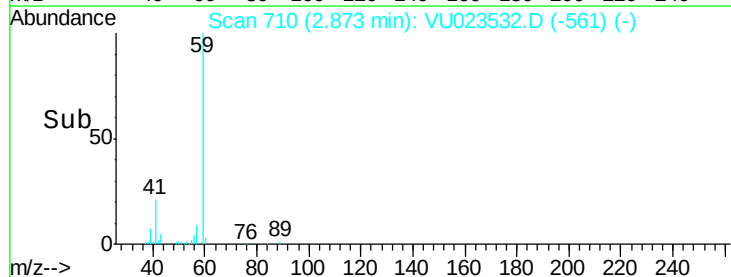
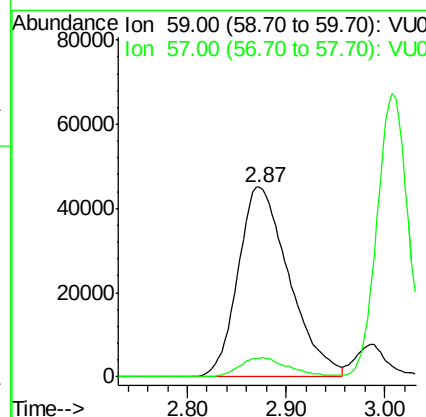
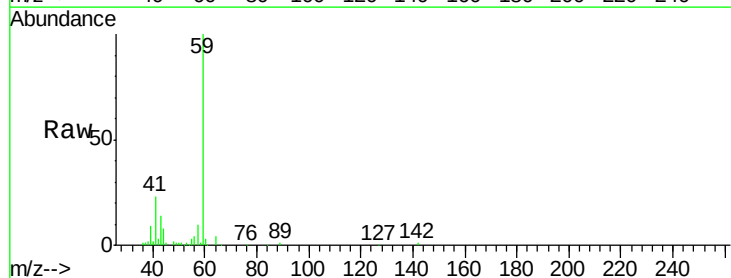
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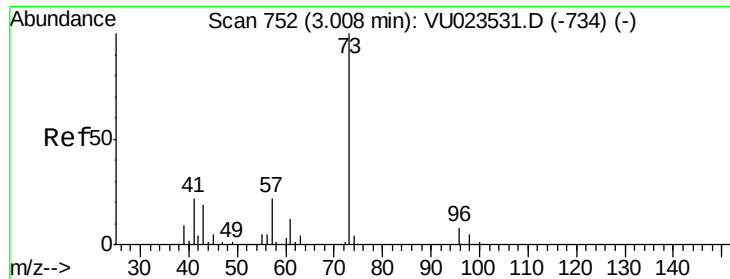
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#24
tert-Butyl Alcohol
Concen: 155.67 ug/l
RT: 2.87 min Scan# 710
Delta R.T. -0.02 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
59	100		162146		
57	10.0		3.4	5.2	#





#25

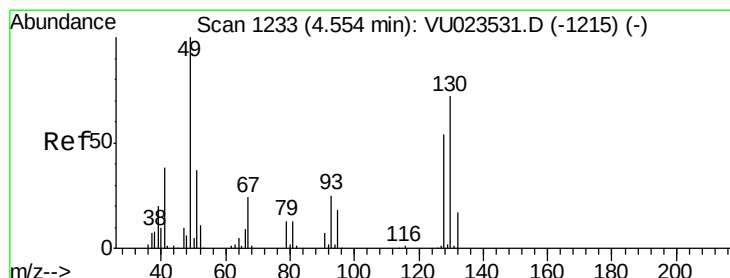
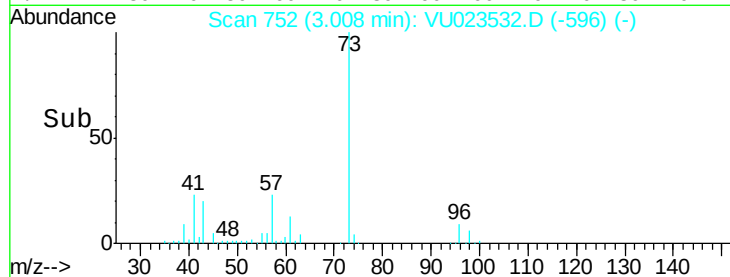
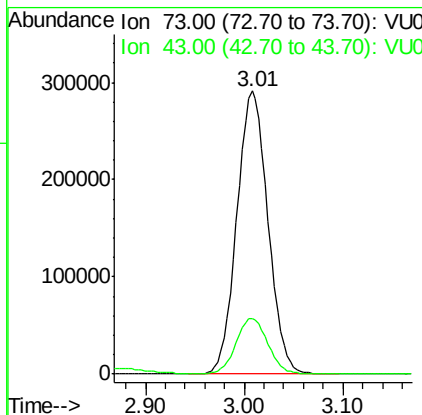
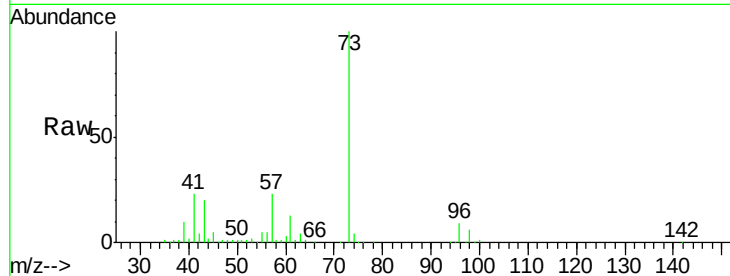
Methyl tert-Butyl Ether
 Concen: 19.19 ug/l
 RT: 3.01 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.9	16.2	24.2

Manual Integrations
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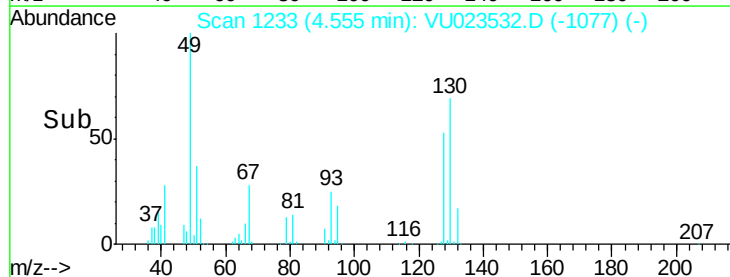
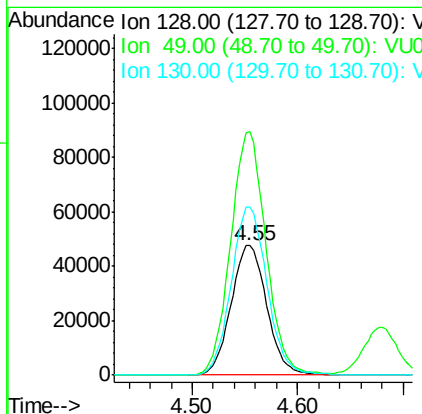
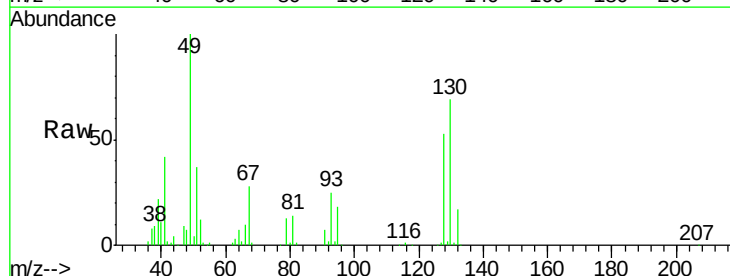
apatel
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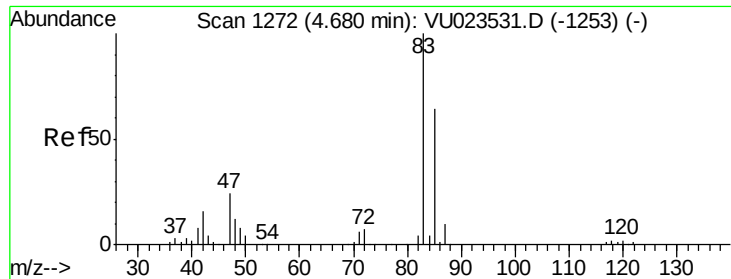


#26

Bromochloromethane
 Concen: 16.21 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion	Ratio	Lower	Upper
128	100		
49	185.3	0.0	375.2
130	130.2	105.8	158.6





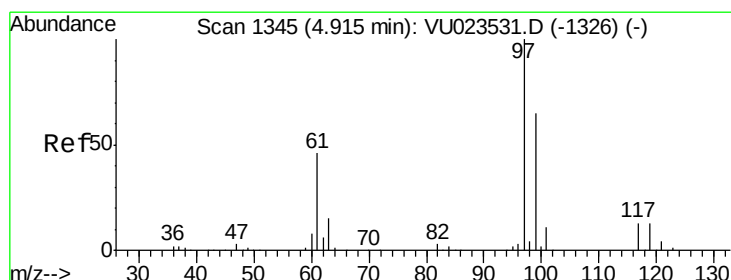
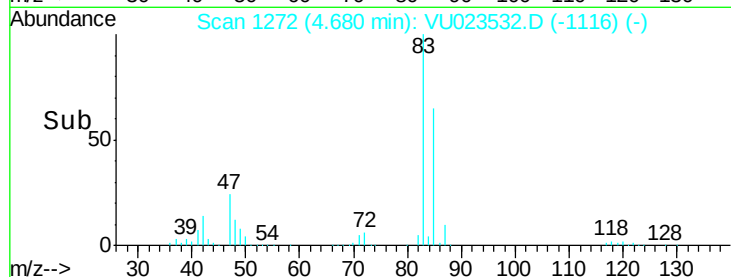
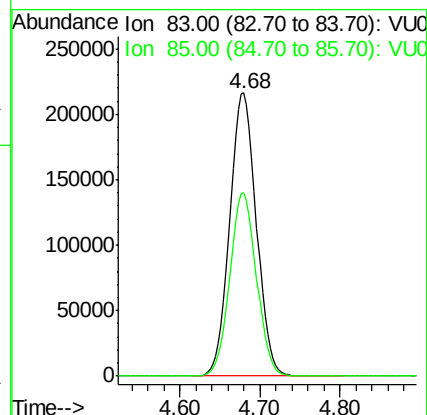
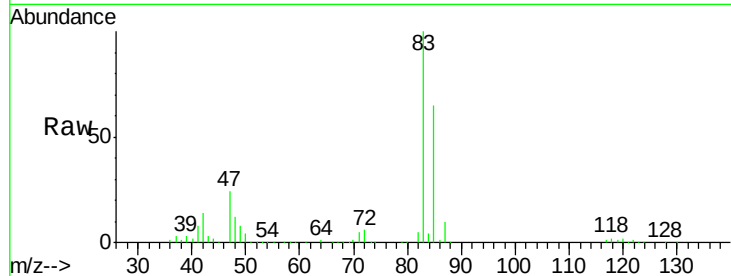
#27
Chloroform
Concen: 18.70 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	493611
Ion Ratio	100	Lower	Upper
85	64.6	0.0	128.4

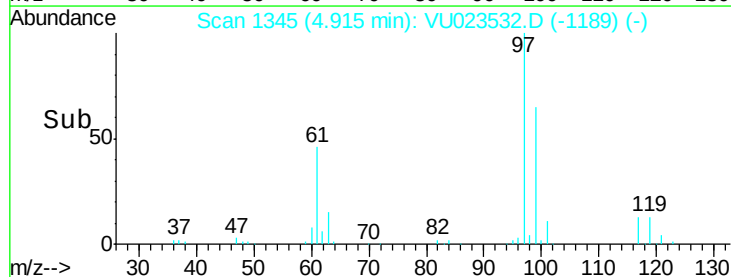
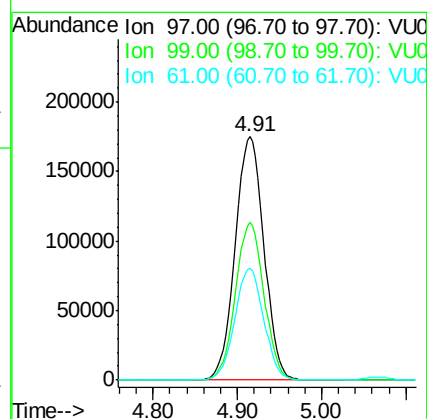
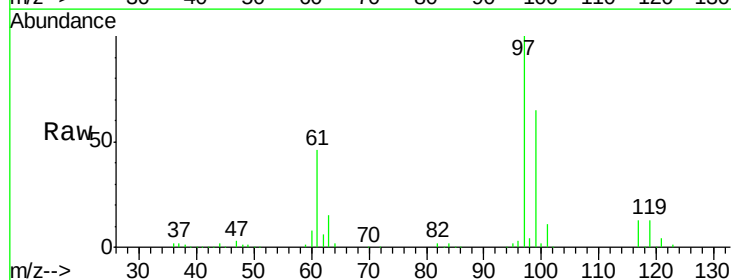
Manual Integrations
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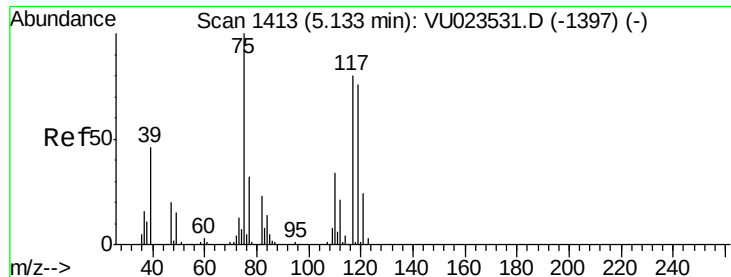
apatel
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#28
1,1,1-Trichloroethane
Concen: 20.50 ug/l
RT: 4.91 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion	97	Resp	416105
Ion Ratio	100	Lower	Upper
99	64.3	32.3	96.9
61	46.3	23.2	69.5





#29

1,1-Dichloropropene

Concen: 20.33 ug/l

RT: 5.13 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

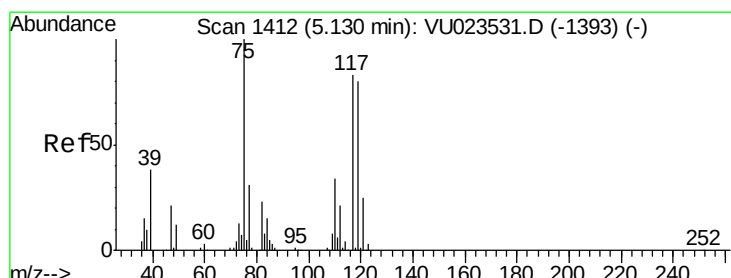
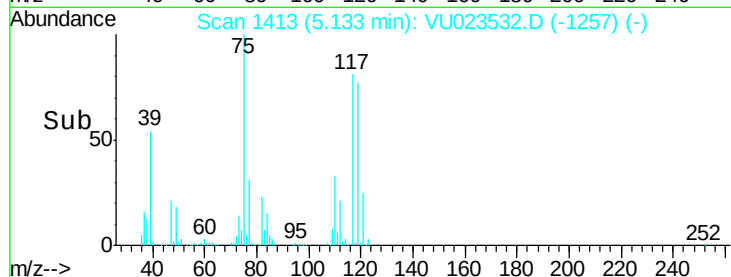
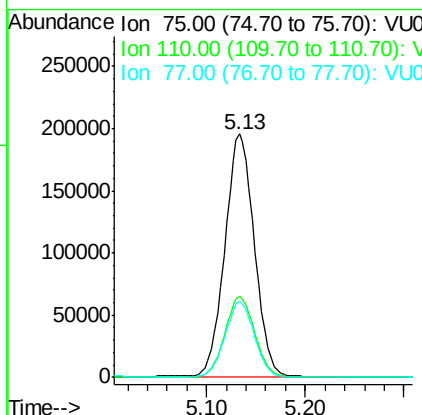
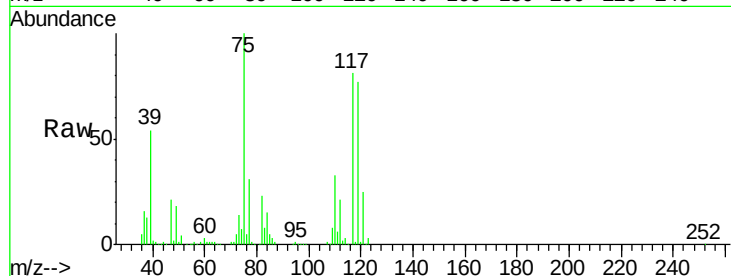
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	406812
Ion Ratio	Lower	Upper	
75	100		
110	34.0	16.9	50.7
77	30.8	24.8	37.2

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#30

Carbon Tetrachloride

Concen: 21.19 ug/l

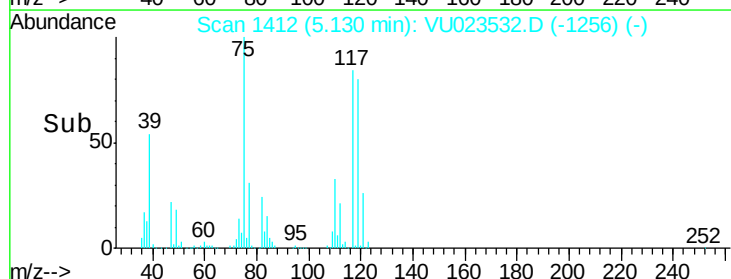
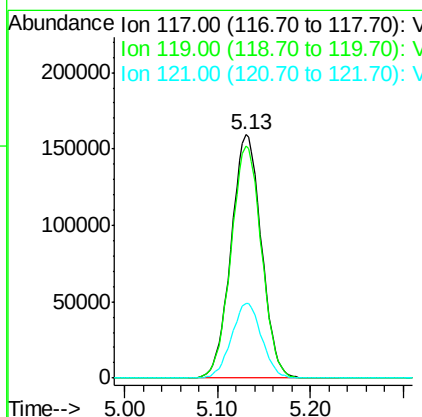
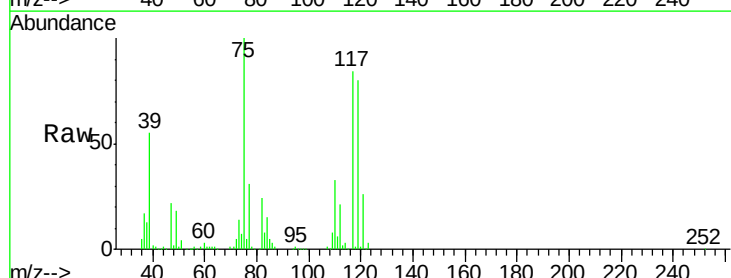
RT: 5.13 min Scan# 1412

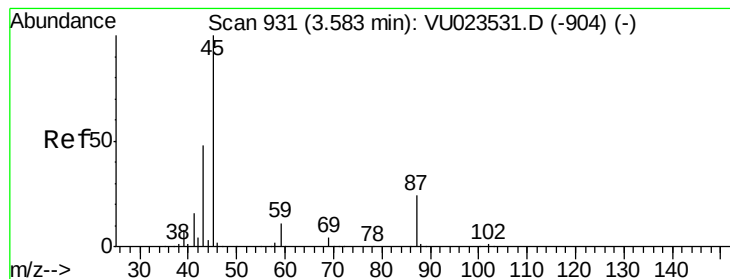
Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Tgt Ion:	117	Resp:	360481
Ion Ratio	Lower	Upper	
117	100		
119	95.3	77.3	115.9
121	30.8	24.5	36.7





#31

Isopropyl Ether

Concen: 22.38 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 45 Resp: 904201

Ion Ratio Lower Upper

45 100

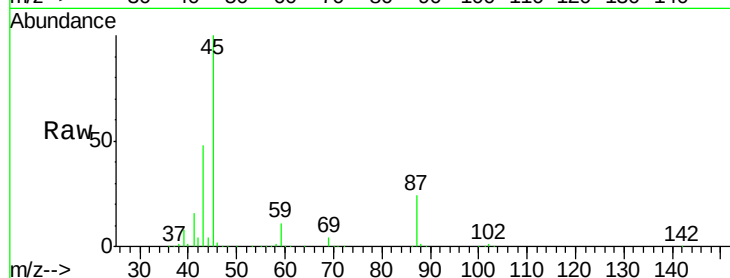
43 48.0 24.0 72.0

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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

3.58

400000

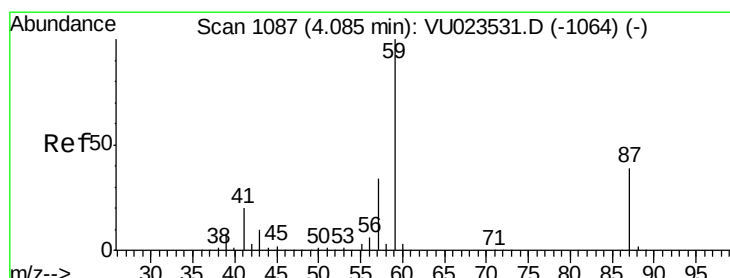
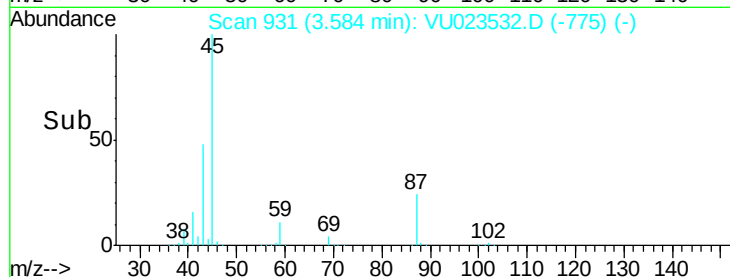
300000

200000

100000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 21.43 ug/l

RT: 4.09 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VU023532.D

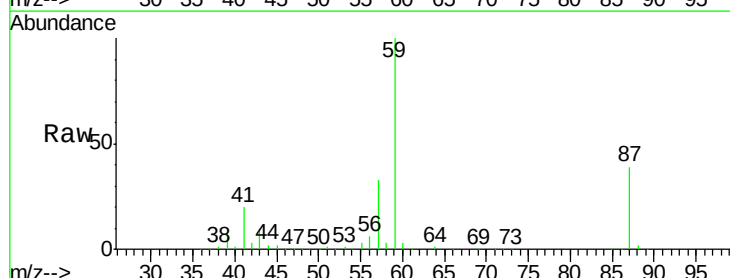
Acq: 30 Apr 2018 17:17

Tgt Ion: 59 Resp: 781323

Ion Ratio Lower Upper

59 100

87 39.3 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

4.09

300000

250000

200000

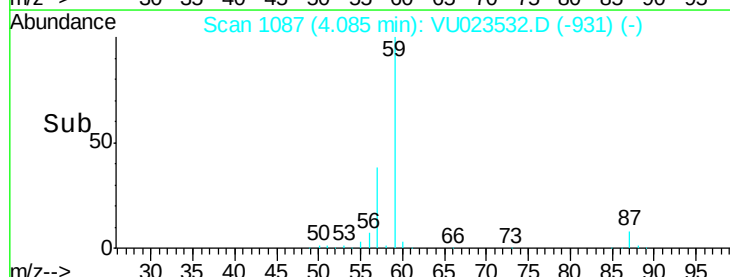
150000

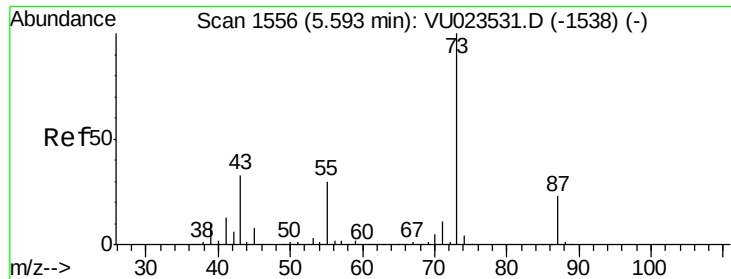
100000

50000

0

Time-->





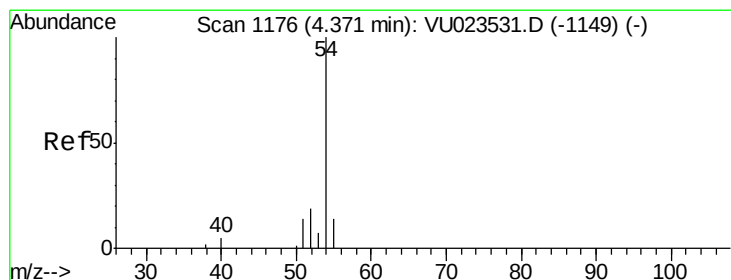
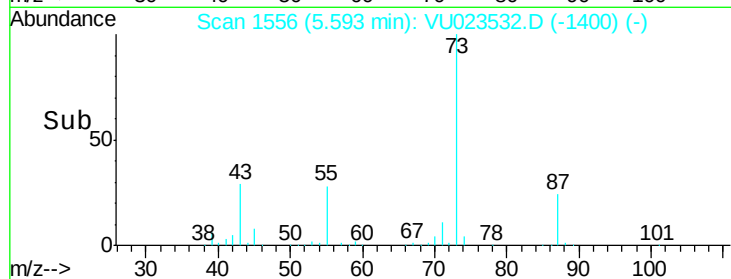
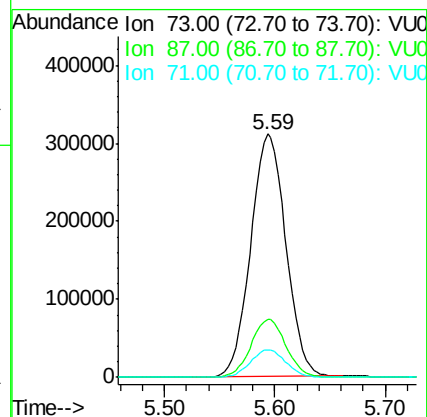
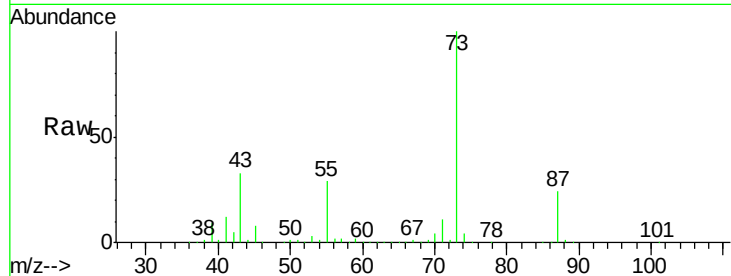
#33
Tert-Butyl methyl ether
Concen: 21.68 ug/l
RT: 5.59 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.9	18.6	28.0
71	11.4	9.3	13.9

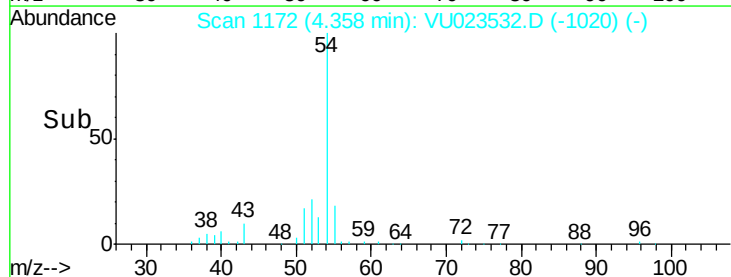
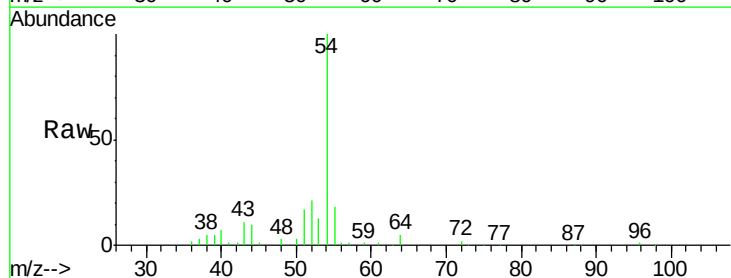
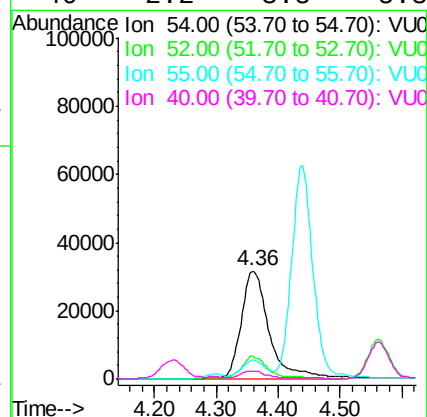
Manual Integrations
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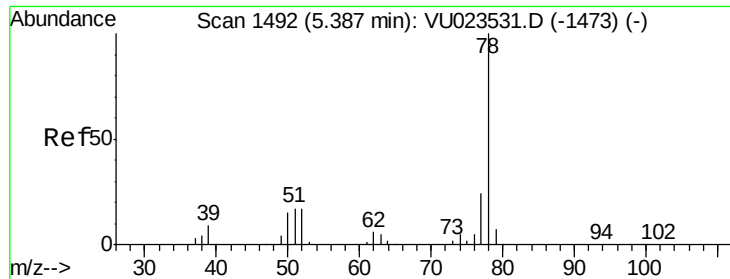
apatel
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#34
Propionitrile
Concen: 92.26 ug/l
RT: 4.36 min Scan# 1172
Delta R.T. -0.01 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.9	13.7	20.5
55	14.8	10.2	15.2
40	2.2	3.5	5.3





#35

Benzene

Concen: 20.57 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 78 Resp: 1245421

Ion Ratio Lower Upper

78 100

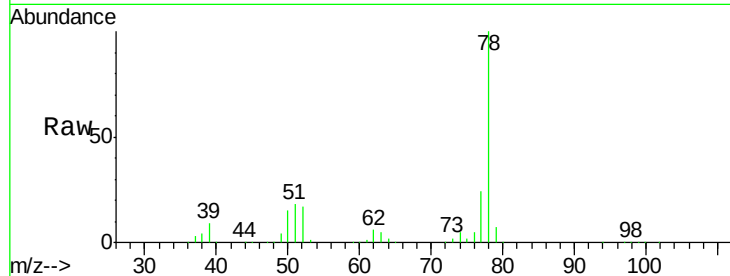
77 23.8 19.1 28.7

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.39

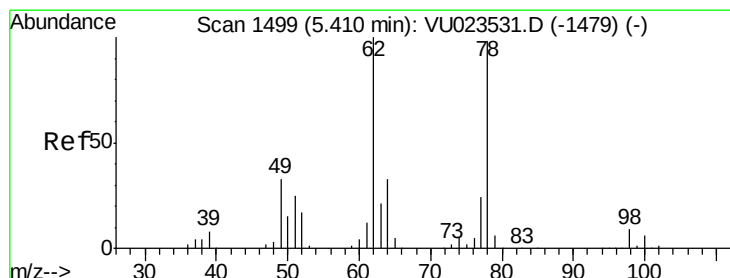
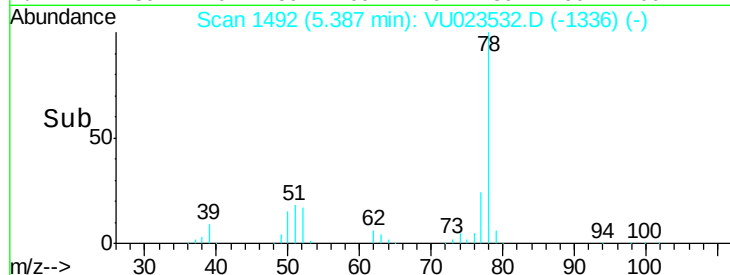
600000

400000

200000

0

Time-->



#36

1,2-Dichloroethane

Concen: 21.21 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU023532.D

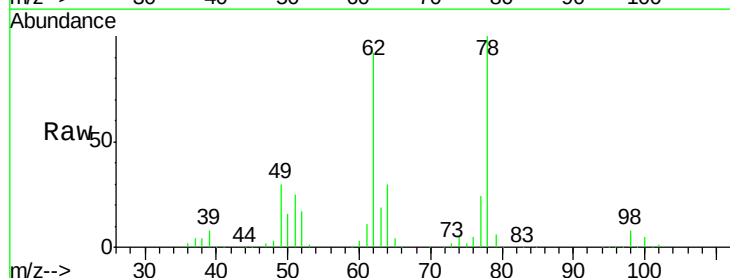
Acq: 30 Apr 2018 17:17

Tgt Ion: 62 Resp: 340491

Ion Ratio Lower Upper

62 100

98 9.0 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.41

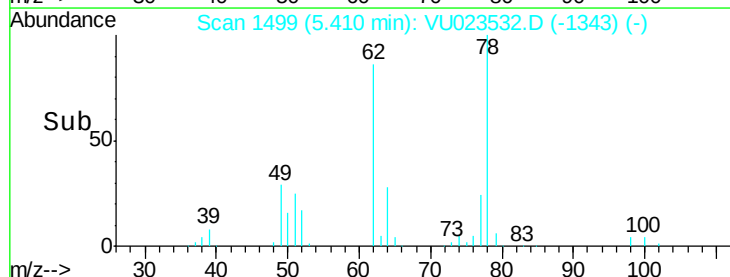
150000

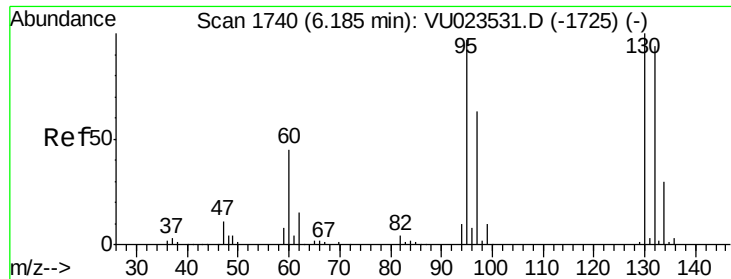
100000

50000

0

Time-->





#37

Trichloroethene

Concen: 20.03 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:130 Resp: 323206

Ion Ratio Lower Upper

130 100

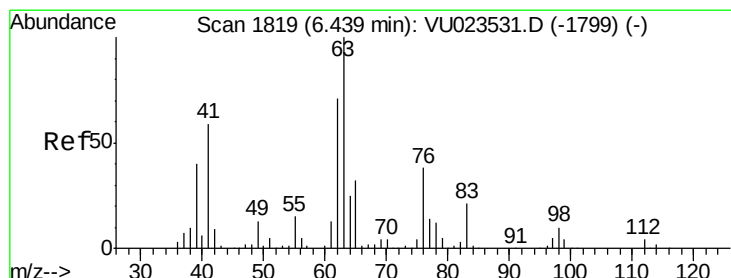
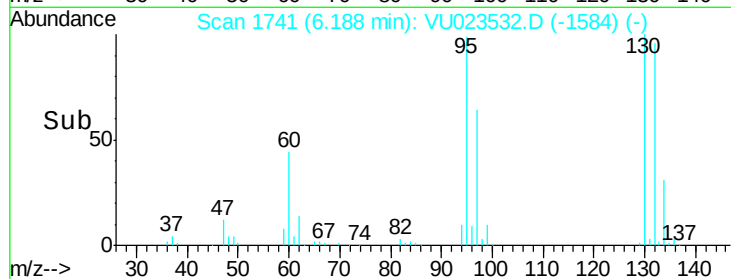
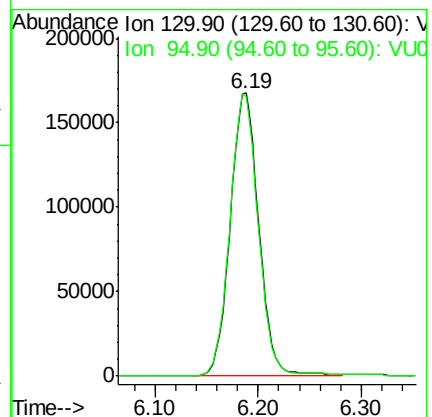
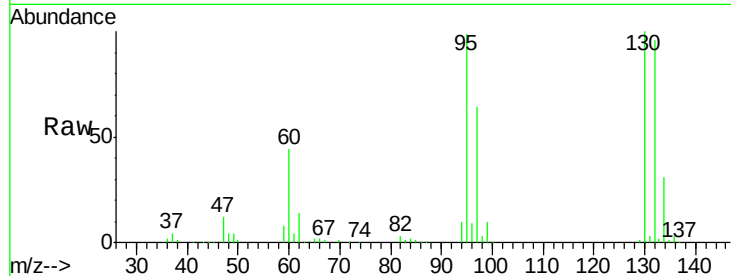
95 98.9 77.9 116.9

Manual Integrations

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#38

1,2-Dichloropropane

Concen: 21.66 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU023532.D

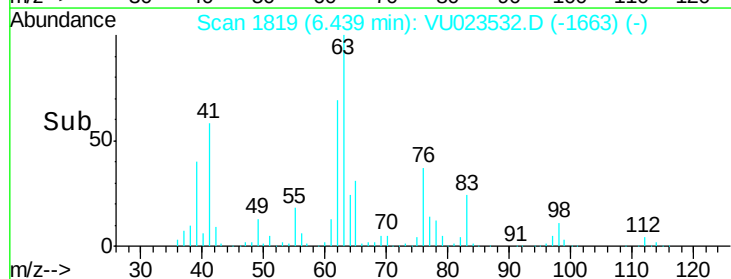
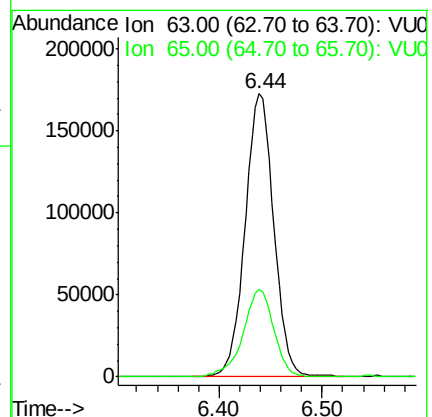
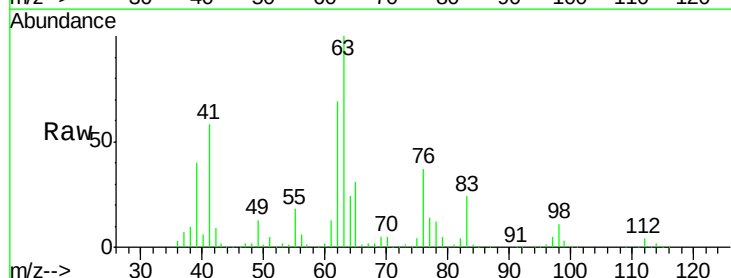
Acq: 30 Apr 2018 17:17

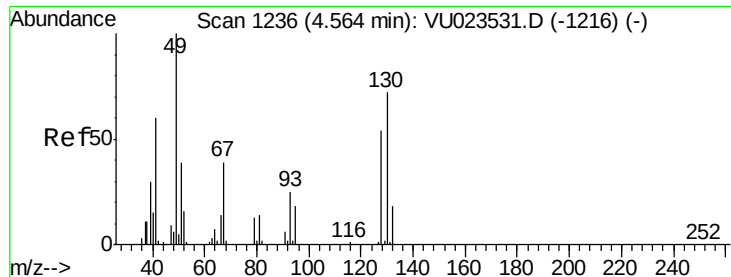
Tgt Ion: 63 Resp: 333606

Ion Ratio Lower Upper

63 100

65 30.8 25.8 38.8





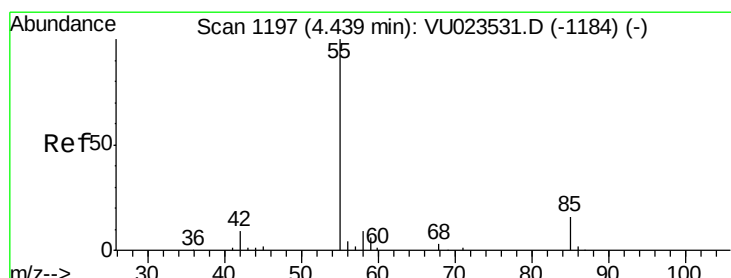
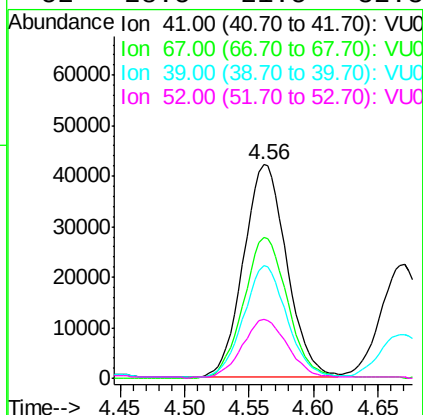
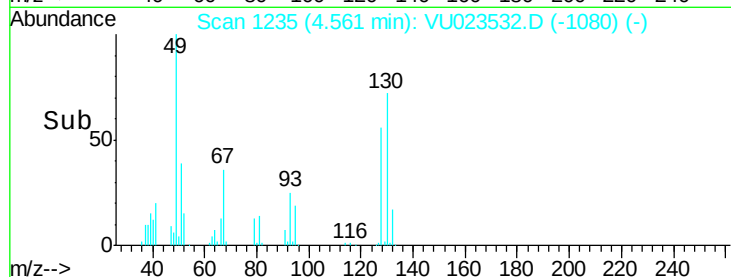
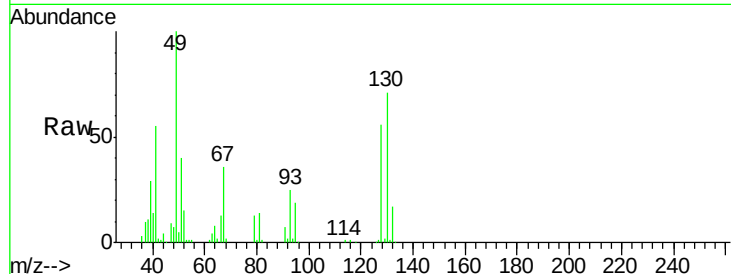
#39
Methacrylonitrile
Concen: 21.81 ug/l
RT: 4.56 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	98957
Ion	Ratio	Lower	Upper
41	100		
67	67.3	51.3	76.9
39	52.6	40.6	60.8
52	28.5	21.5	32.3

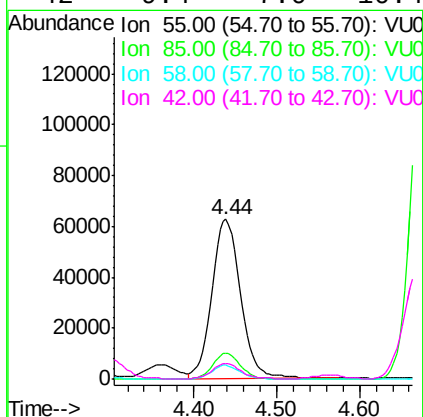
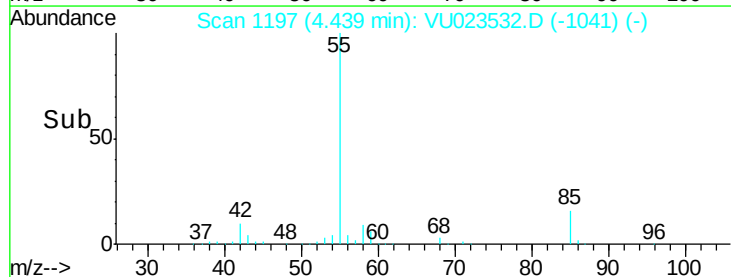
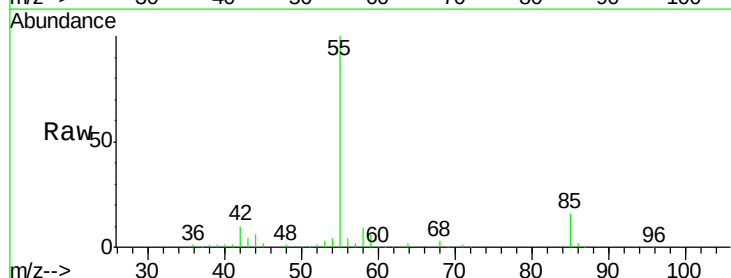
Manual Integrations
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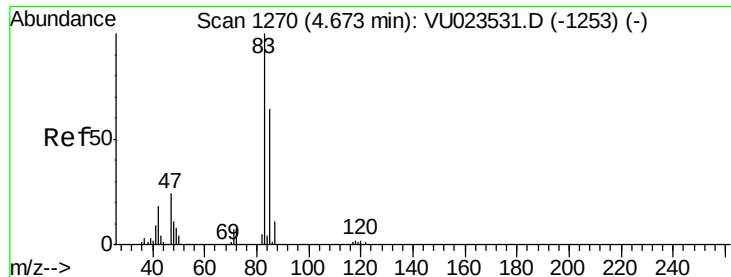
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#40
Methyl acrylate
Concen: 21.97 ug/l
RT: 4.44 min Scan# 1197
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion:	55	Resp:	150830
Ion	Ratio	Lower	Upper
55	100		
85	15.6	12.3	18.5
58	8.5	7.0	10.6
42	9.4	7.0	10.4





#41

Tetrahydrofuran

Concen: 38.54 ug/l

RT: 4.67 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

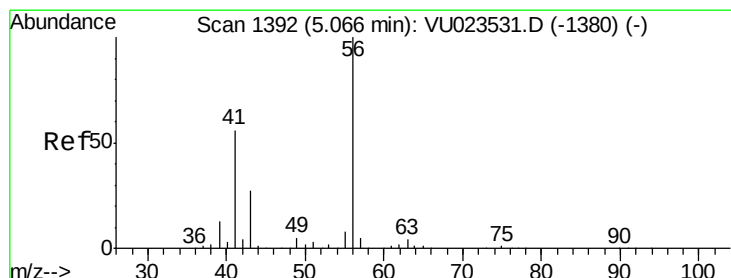
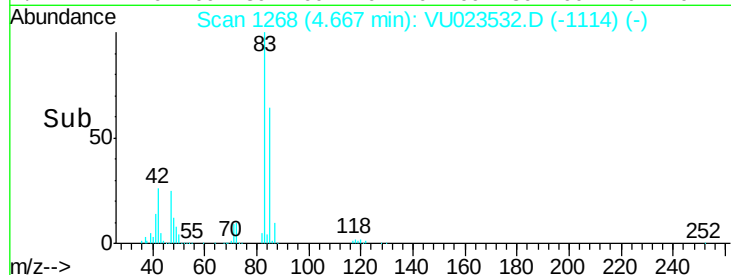
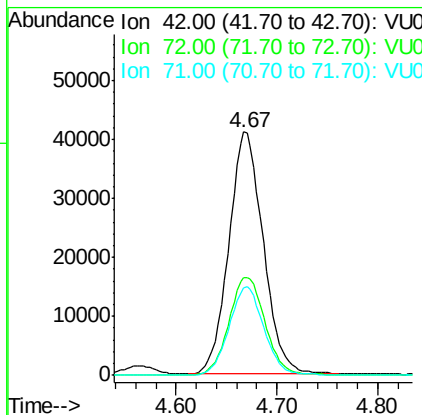
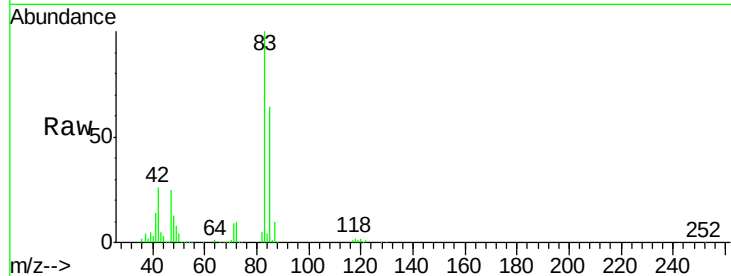
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	97600
Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.2	49.8
71	37.0	29.8	44.8

Manual Integrations
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#42

1-Chlorobutane

Concen: 21.95 ug/l

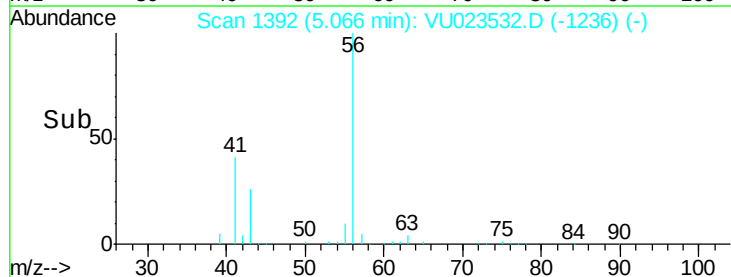
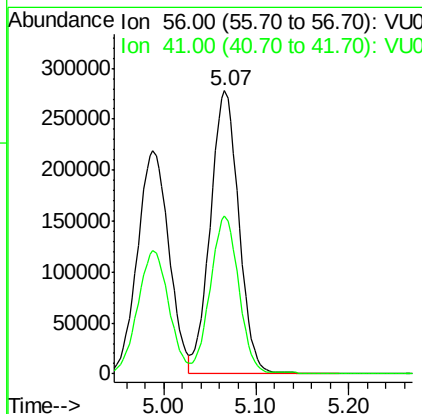
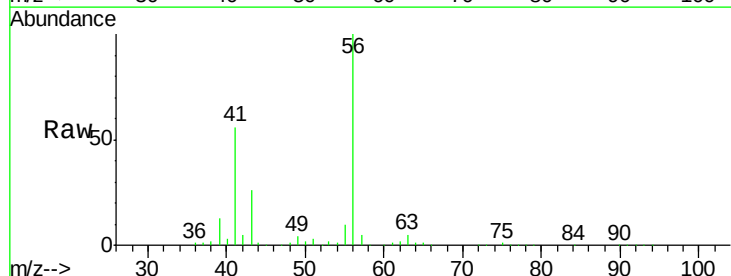
RT: 5.07 min Scan# 1392

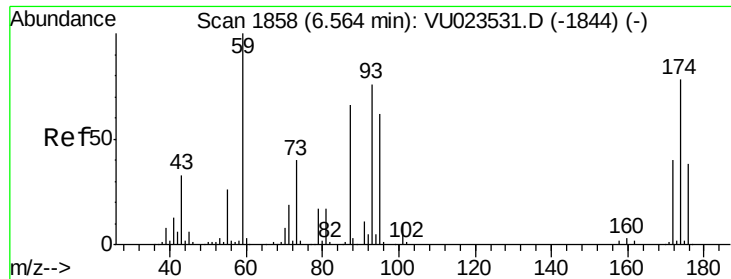
Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Tgt Ion:	56	Resp:	590620
Ion	Ratio	Lower	Upper
56	100		
41	54.9	27.5	82.5





#43

Dibromomethane

Concen: 19.64 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

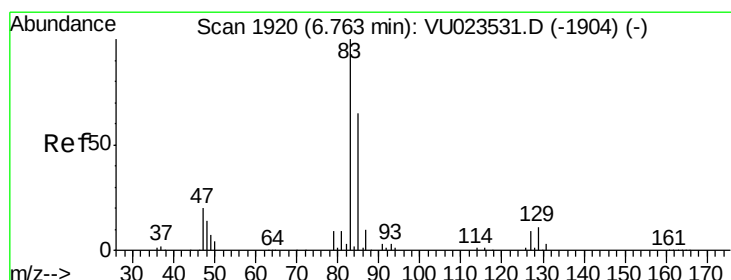
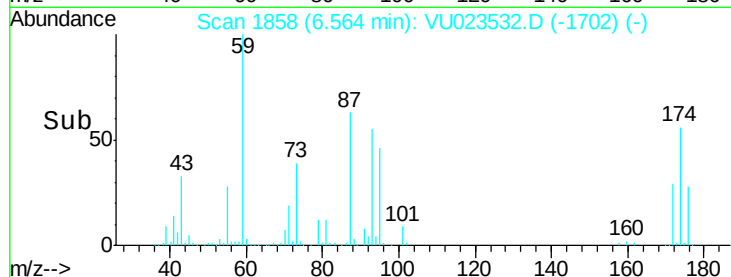
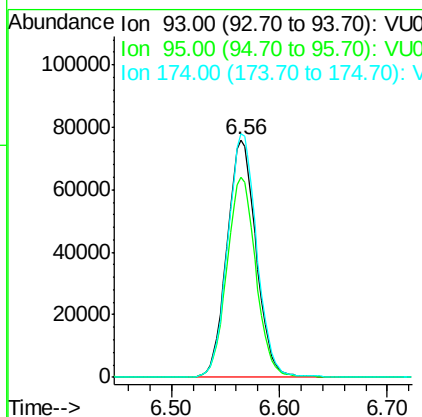
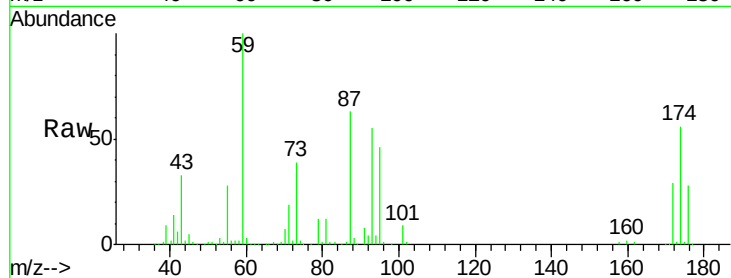
ClientSampleId :

VSTDIC020

Tot Ion:	93	Resp:	143197
Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.2	100.8
174	102.2	82.8	124.2

Manual Integrations
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#44

Bromodichloromethane

Concen: 21.80 ug/l

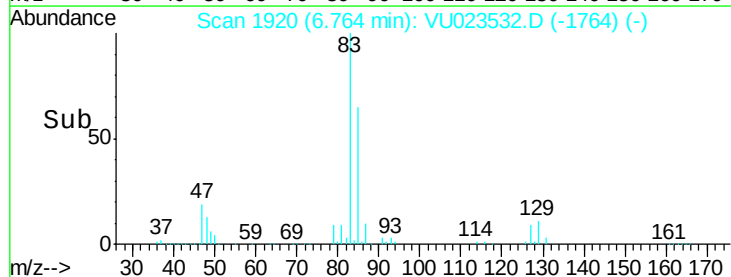
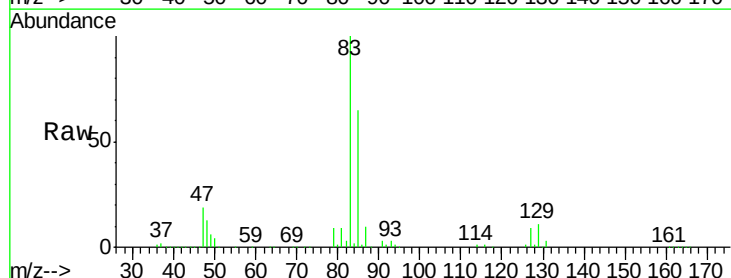
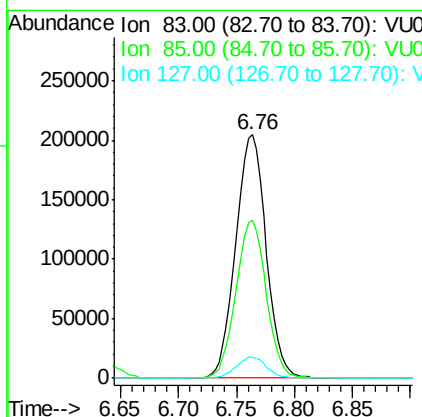
RT: 6.76 min Scan# 1920

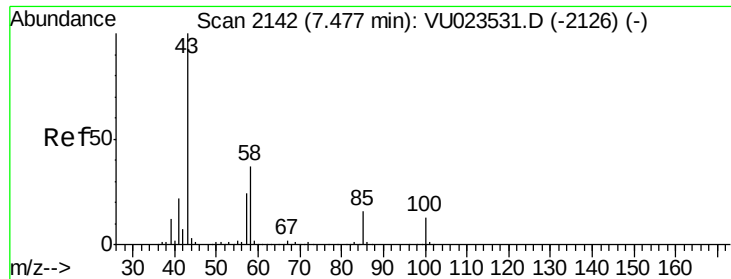
Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Tgt Ion:	83	Resp:	371777
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4
127	8.6	7.0	10.4





#45

4-Methyl-2-Pentanone

Concen: 109.72 ug/l

RT: 7.48 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

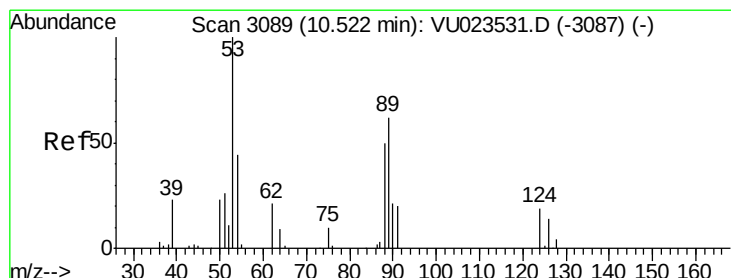
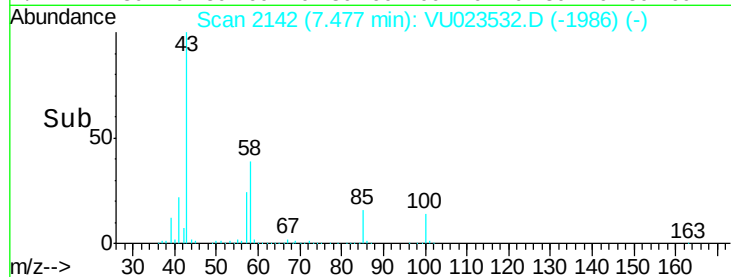
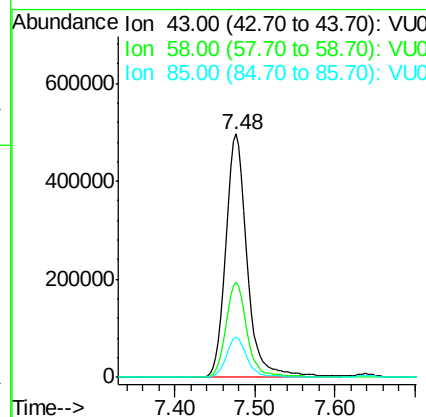
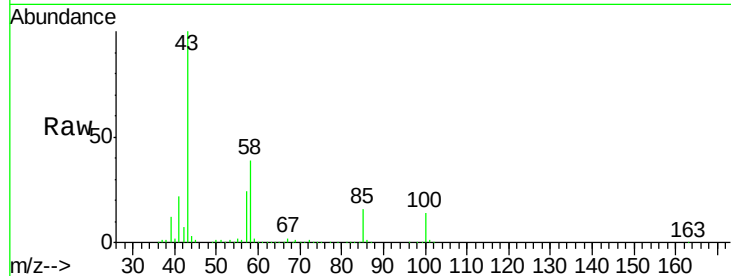
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	921413
Ion	Ratio	Lower	Upper
43	100		
58	39.0	18.8	56.4
85	16.2	12.6	19.0

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#46

t-1,4-Dichloro-2-butene

Concen: 47.91 ug/l m

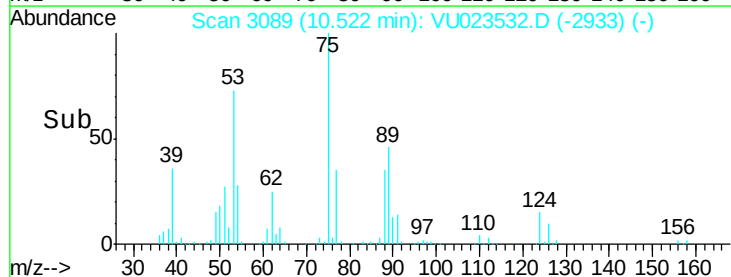
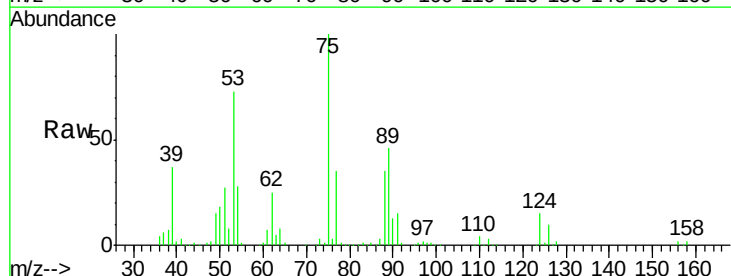
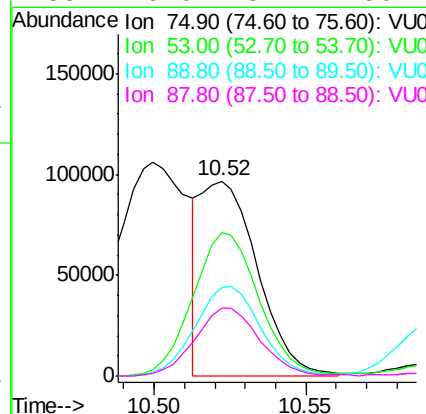
RT: 10.52 min Scan# 3089

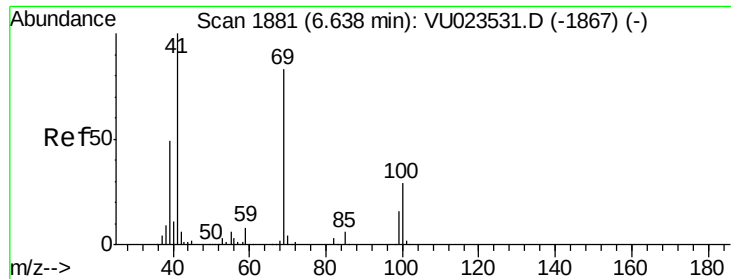
Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Tgt Ion:	75	Resp:	125463
Ion	Ratio	Lower	Upper
75	100		
53	86.2	82.2	123.4
89	53.6	51.3	76.9
88	40.0	37.4	56.2





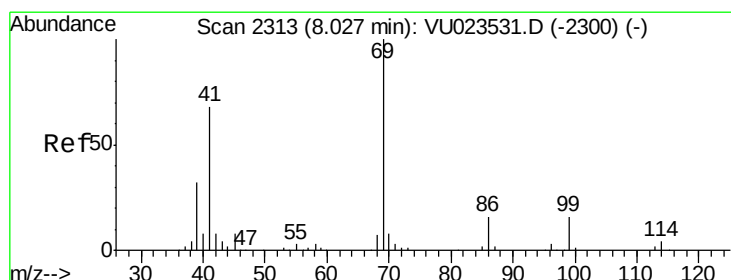
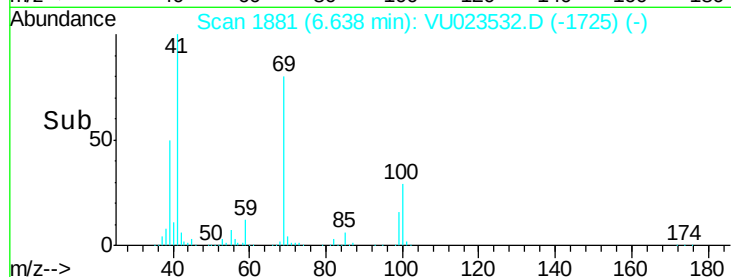
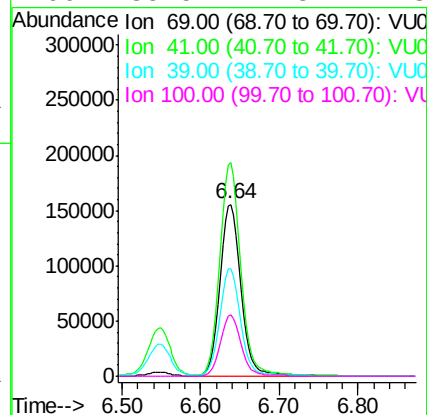
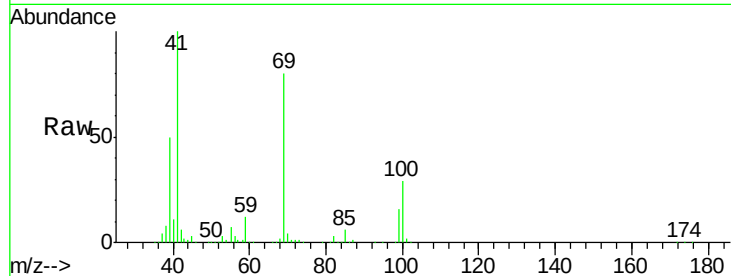
#47
Methyl methacrylate
Concen: 41.32 ug/l
RT: 6.64 min Scan# 1881
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	124.4	0.0	245.4	
39	62.5	49.0	73.4	
100	35.5	27.8	41.8	

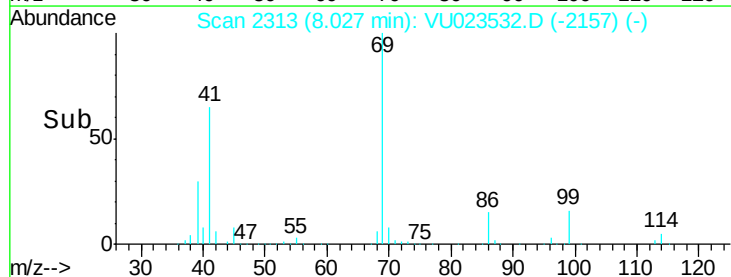
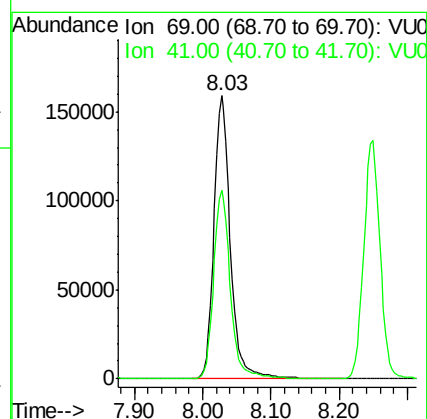
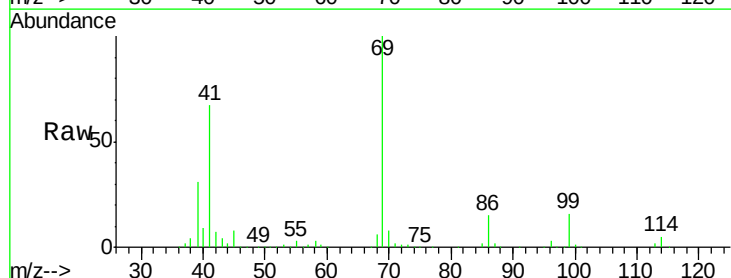
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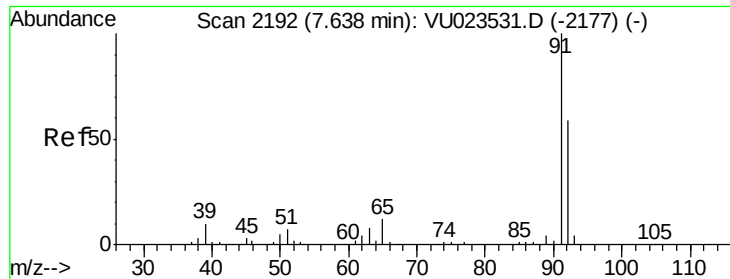
apatel
5/3/2018 4:49:08 PM



#48
Ethyl methacrylate
Concen: 21.58 ug/l
RT: 8.03 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	67.7	34.2	102.5	





#49

Toluene

Concen: 20.95 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 92 Resp: 741836

Ion Ratio Lower Upper

92 100

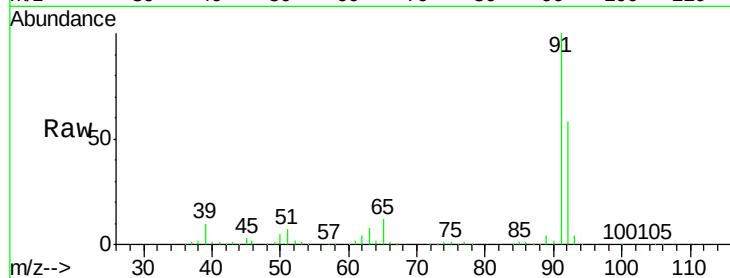
91 172.9 137.1 205.7

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

800000

600000

400000

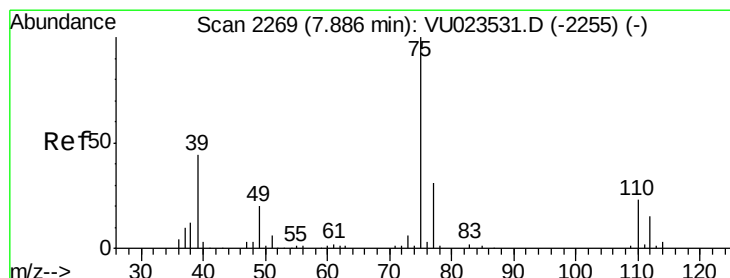
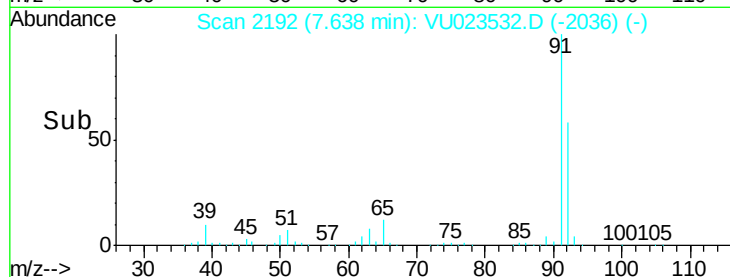
200000

0

7.64

7.50 7.60 7.70 7.80 7.90

Time-->



#50

t-1,3-Dichloropropene

Concen: 23.72 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU023532.D

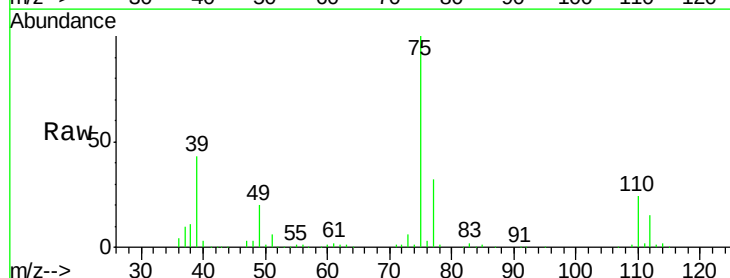
Acq: 30 Apr 2018 17:17

Tgt Ion: 75 Resp: 347885

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

250000

200000

150000

100000

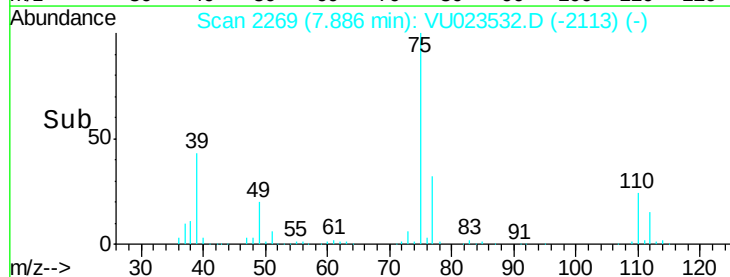
50000

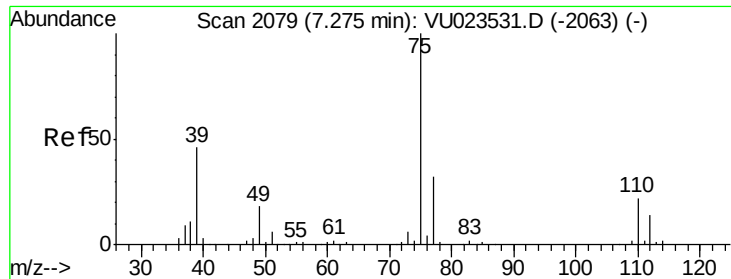
0

7.89

7.80 7.90 8.00 8.10

Time-->





#51

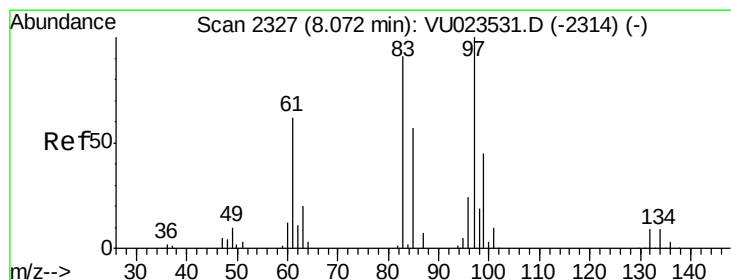
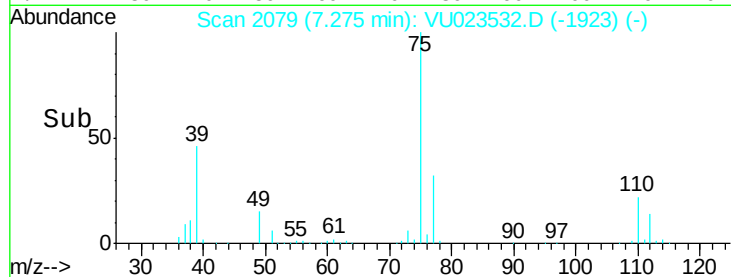
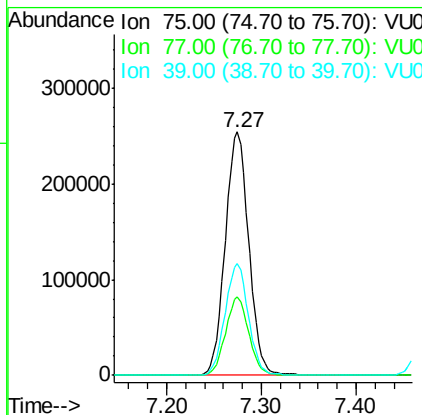
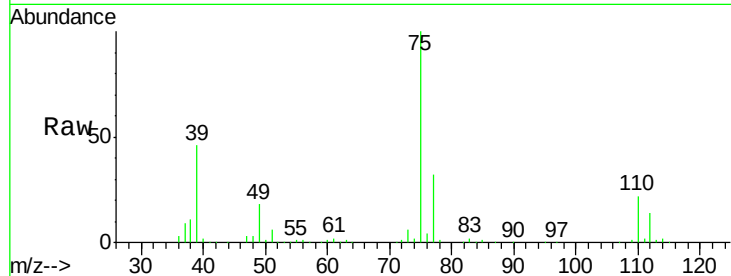
cis-1,3-Dichloropropene
 Concen: 23.34 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8
39	45.8	36.4	54.6

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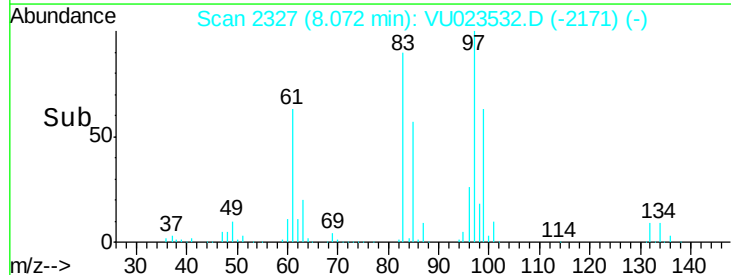
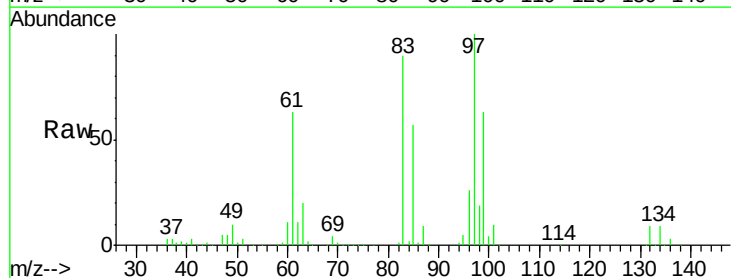
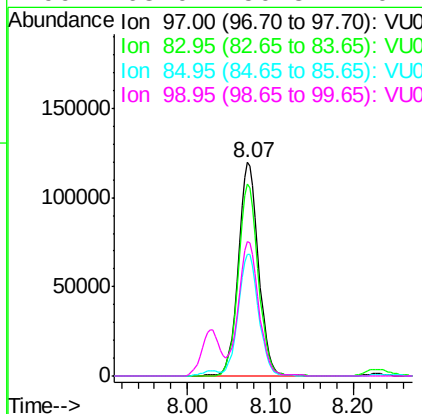
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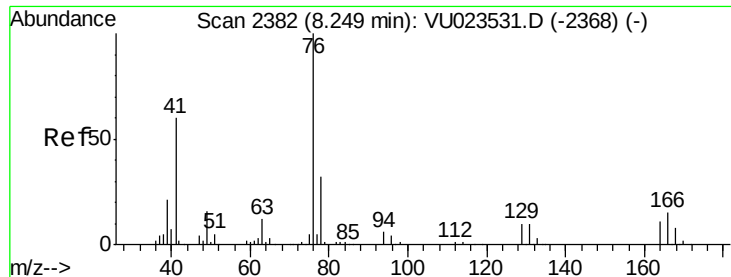


#52

1,1,2-Trichloroethane
 Concen: 19.22 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.8	72.6	109.0
85	57.2	47.2	70.8
99	63.0	50.8	76.2





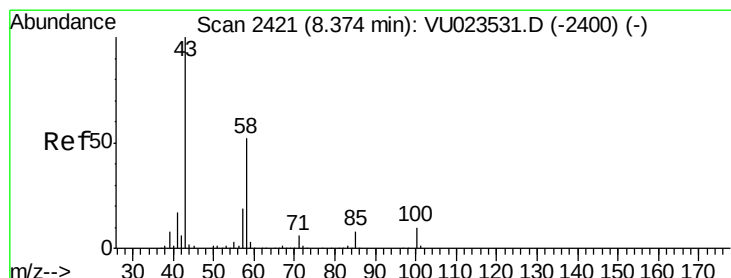
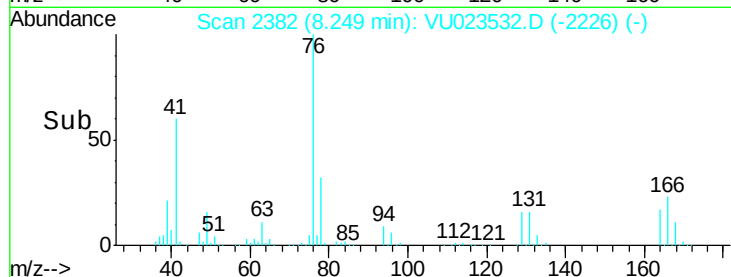
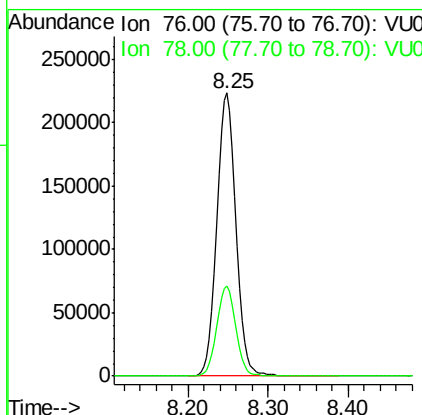
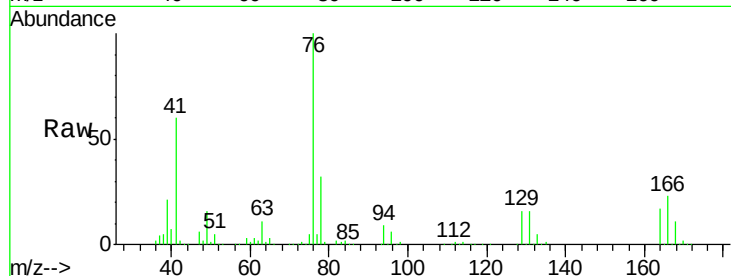
#53
 1,3-Dichloropropane
 Concen: 20.37 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.7	38.5

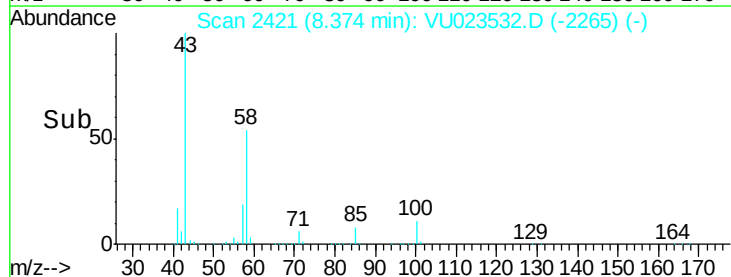
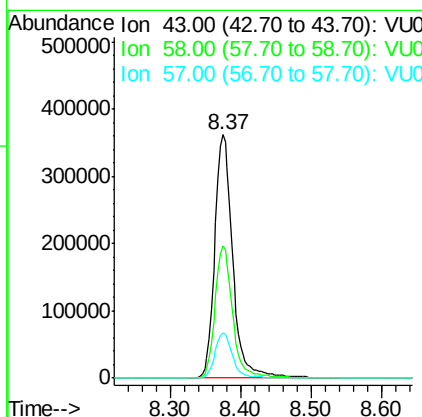
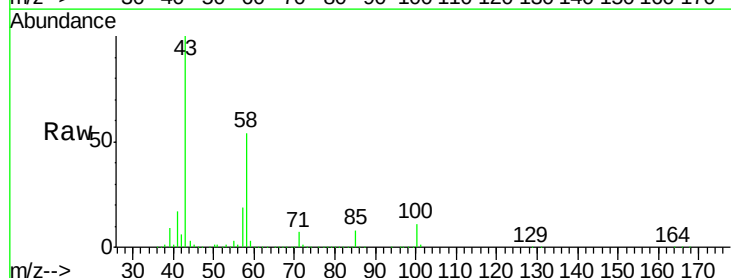
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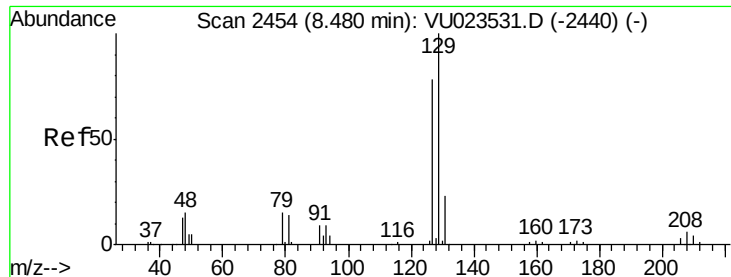
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#54
 2-Hexanone
 Concen: 111.60 ug/l
 RT: 8.37 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.7	32.5	72.5
57	18.4	0.0	37.9





#55

Dibromochloromethane

Concen: 21.88 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:129 Resp: 239065

Ion Ratio Lower Upper

129 100

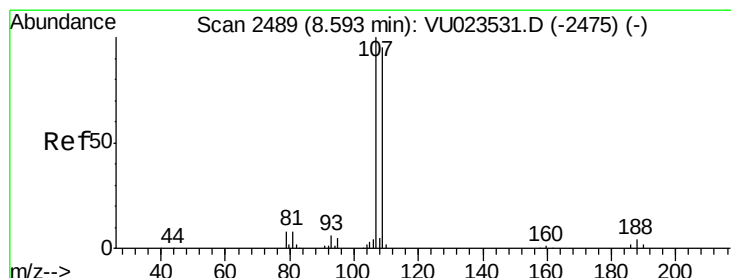
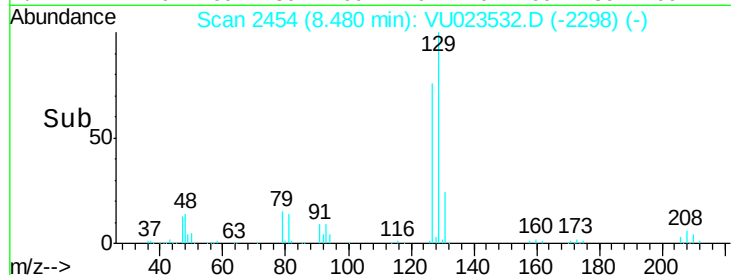
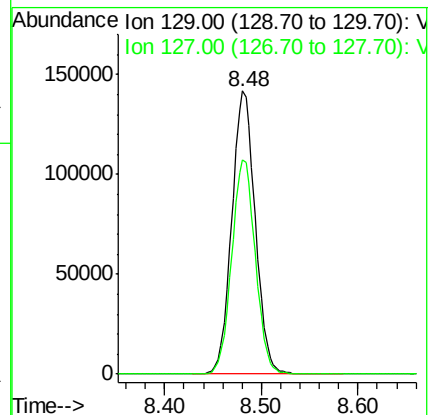
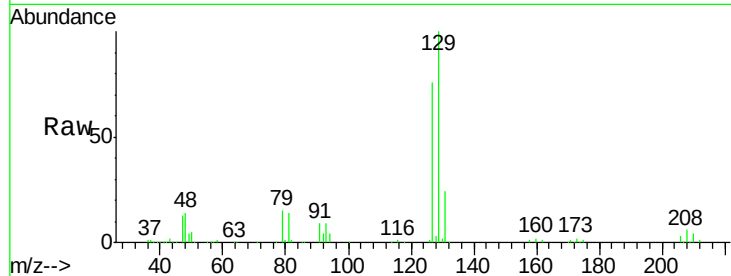
127 76.1 61.1 91.7

Manual Integrations

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#56

1,2-Dibromoethane

Concen: 19.46 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU023532.D

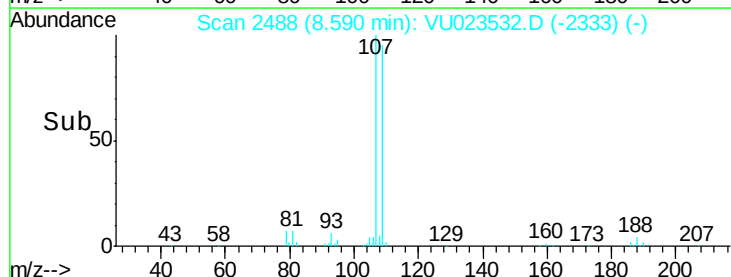
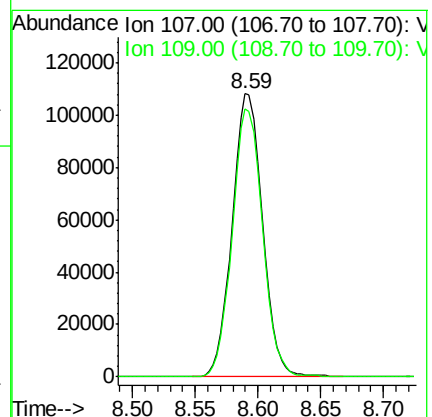
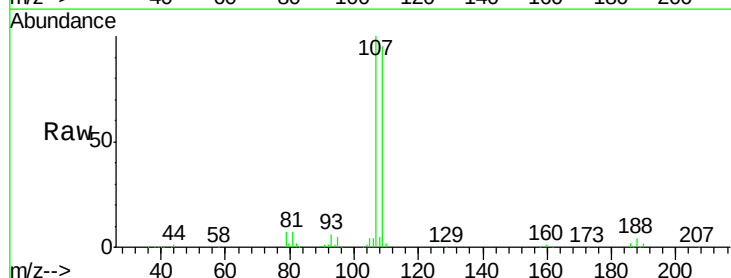
Acq: 30 Apr 2018 17:17

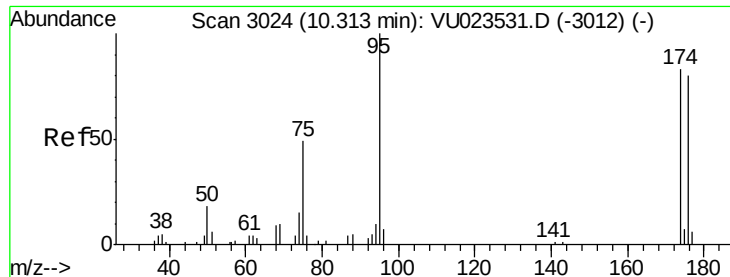
Tgt Ion:107 Resp: 181863

Ion Ratio Lower Upper

107 100

109 95.0 0.0 189.0





#57

4-Bromofluorobenzene

Concen: 19.46 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

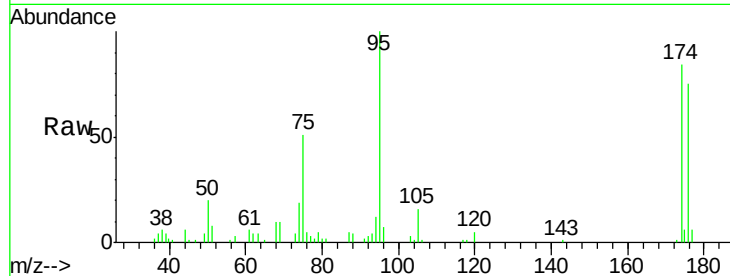
ClientSampleId :

VSTDIC020

Tot Ion:	95	Resp:	17538
Ion Ratio	Lower	Upper	
95	100		
174	84.0	65.6	98.4
176	79.1	62.0	93.0

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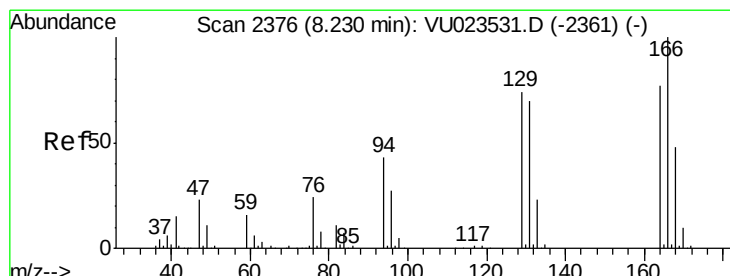
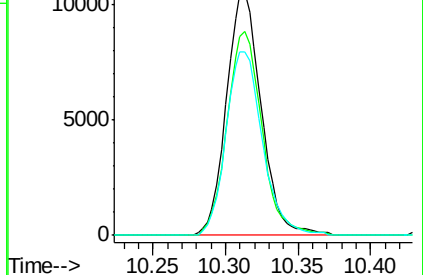
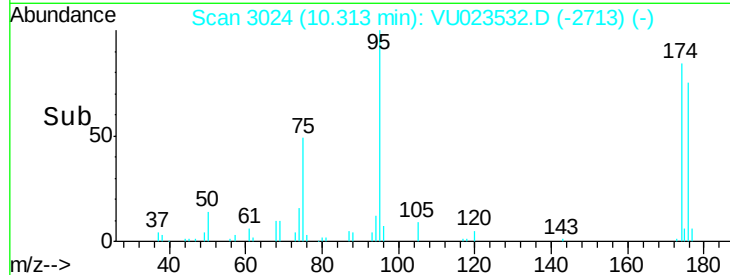


Abundance Ion 95.00 (94.70 to 95.70): VU023531.D (-3012) (-)

Ion 174.00 (173.70 to 174.70): VU023531.D (-3012) (-)

Ion 176.00 (175.70 to 176.70): VU023531.D (-3012) (-)

Time-->



#58

Tetrachloroethene

Concen: 21.20 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Tgt Ion:	164	Resp:	304459
Ion Ratio	Lower	Upper	
164	100		
166	126.0	104.1	156.1
129	93.8	76.8	115.2
131	90.7	72.6	108.8

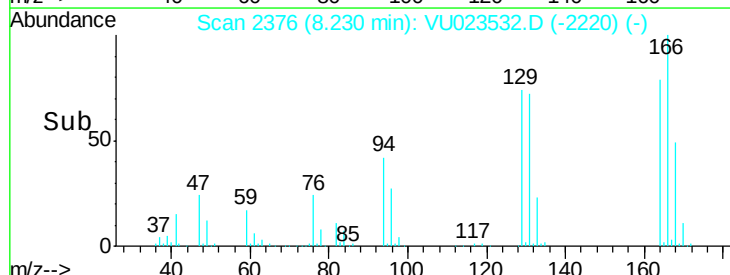
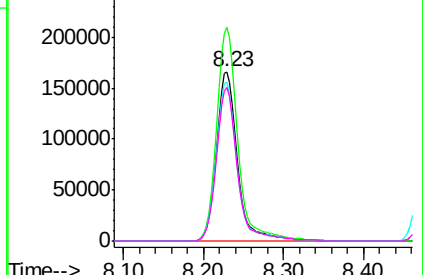
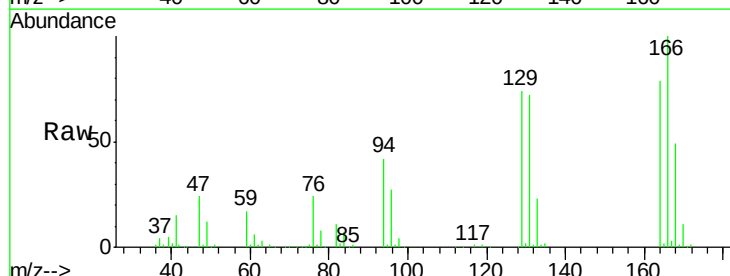
Abundance Ion 163.85 (163.55 to 164.55): VU023531.D (-2361) (-)

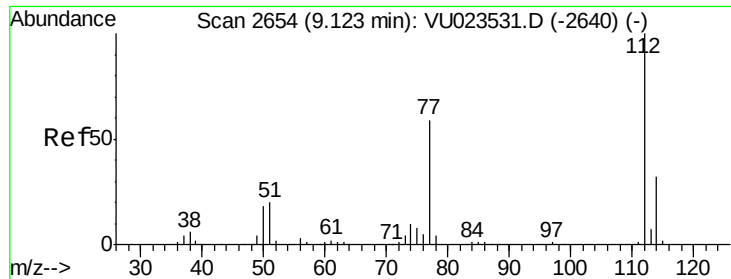
Ion 165.80 (165.50 to 166.50): VU023531.D (-2361) (-)

Ion 128.90 (128.60 to 129.60): VU023531.D (-2361) (-)

Ion 130.90 (130.60 to 131.60): VU023531.D (-2361) (-)

Time-->





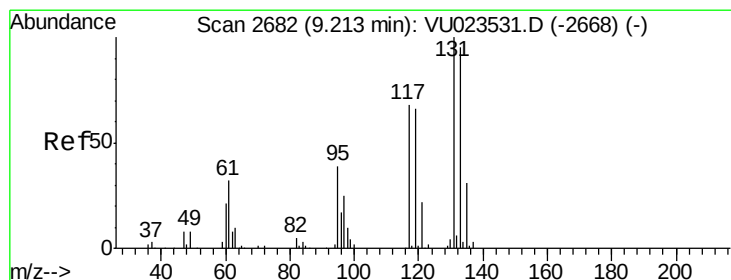
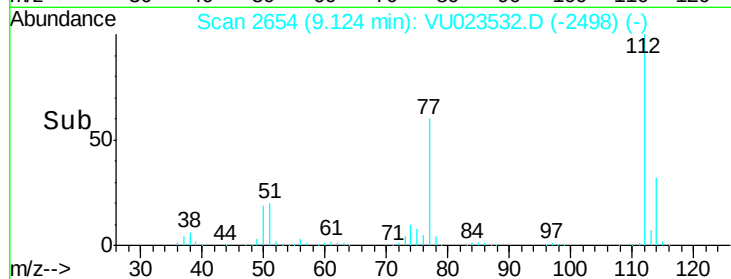
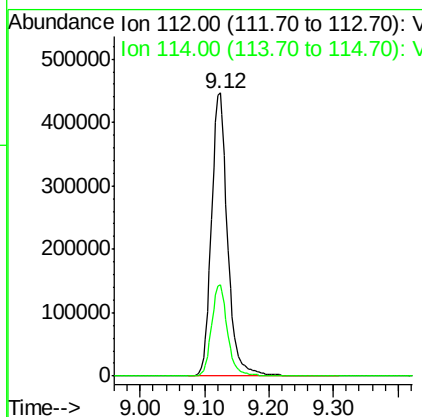
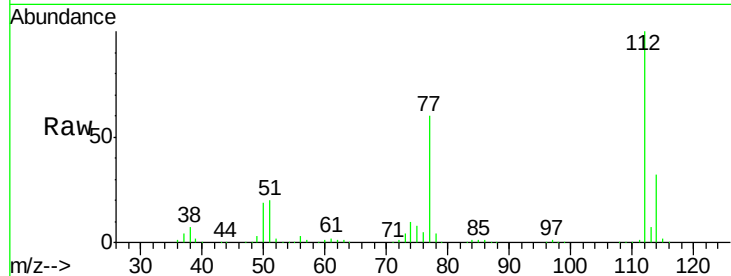
#59
Chlorobenzene
Concen: 19.89 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.2

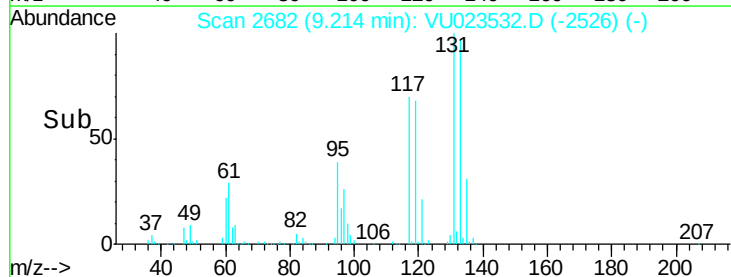
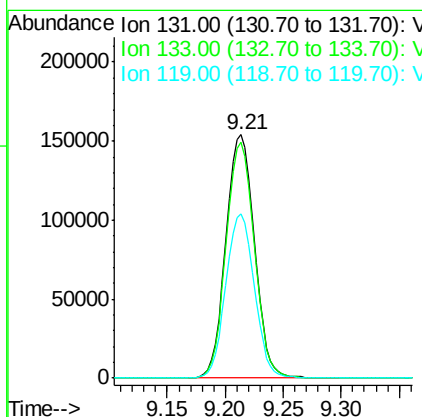
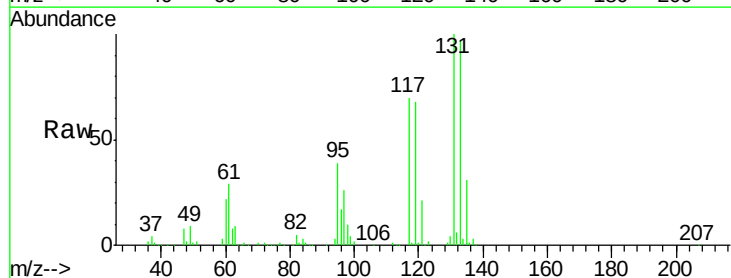
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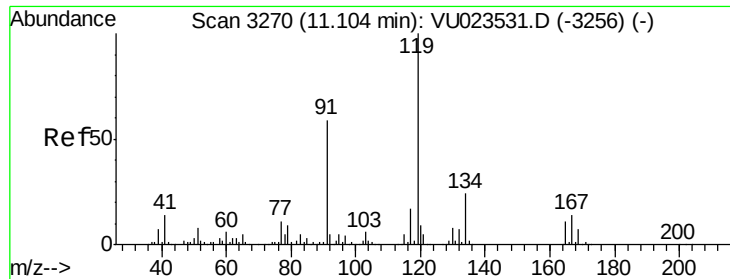
apatel
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#60
1,1,1,2-Tetrachloroethane
Concen: 20.00 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	75.8	113.8
119	67.5	53.0	79.6





#61

Pentachloroethane

Concen: 18.50 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:117 Resp: 175427

Ion Ratio Lower Upper

117 100

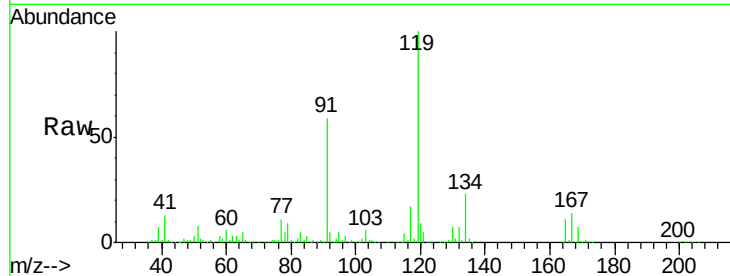
167 85.6 69.2 103.8

Manual Integrations

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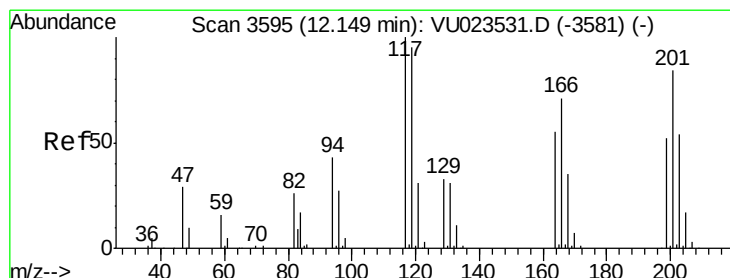
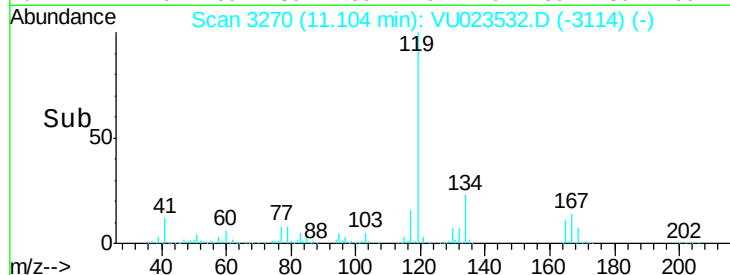
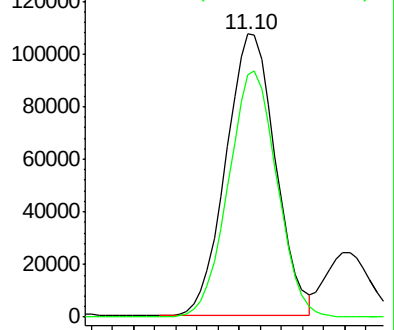
apatel

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 20.81 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU023532.D

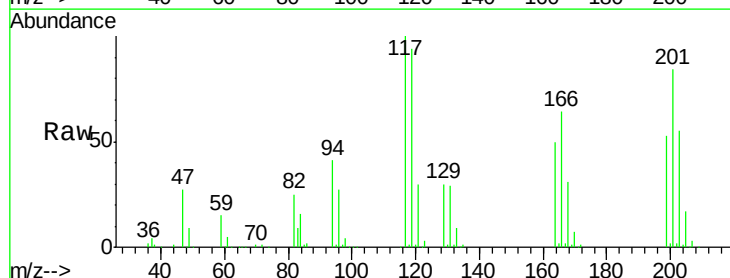
Acq: 30 Apr 2018 17:17

Tgt Ion:117 Resp: 177547

Ion Ratio Lower Upper

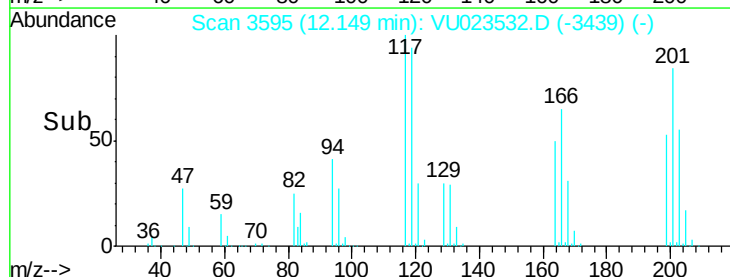
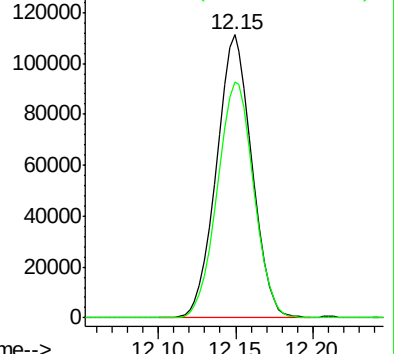
117 100

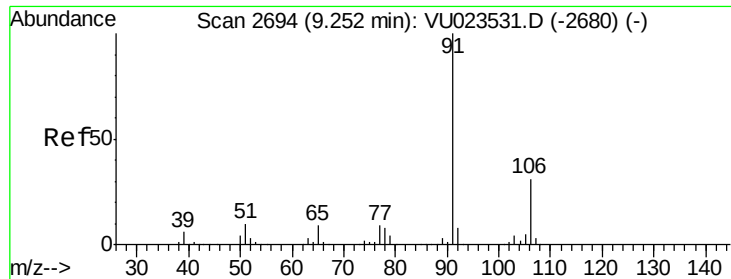
201 85.7 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





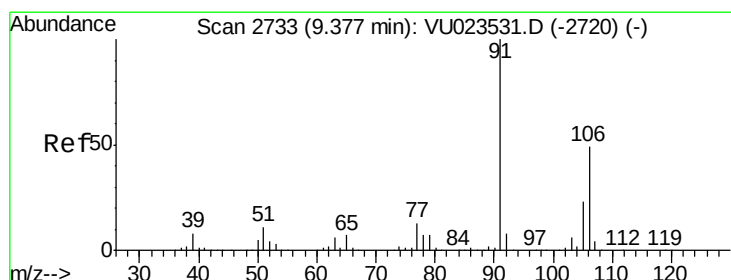
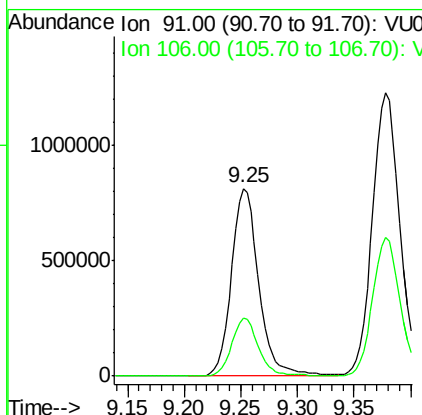
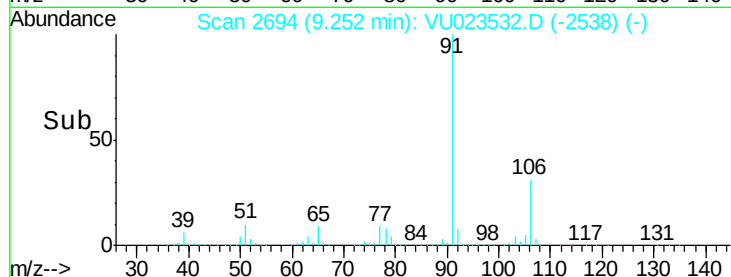
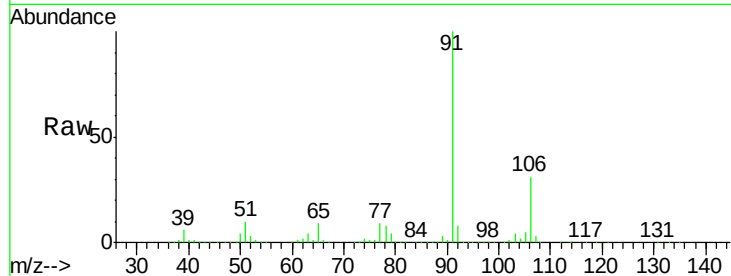
#63
Ethyl Benzene
Concen: 21.42 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 1372703
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1

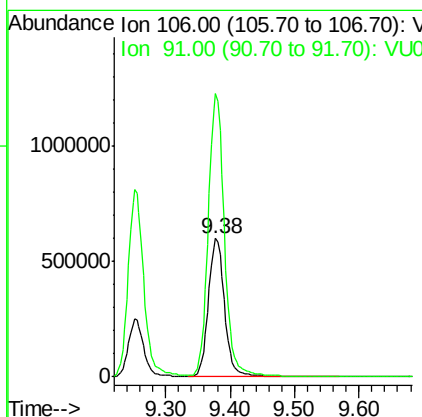
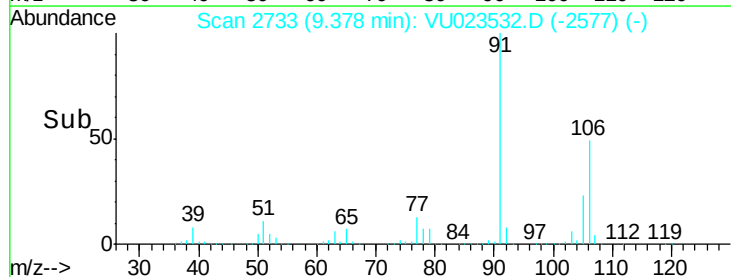
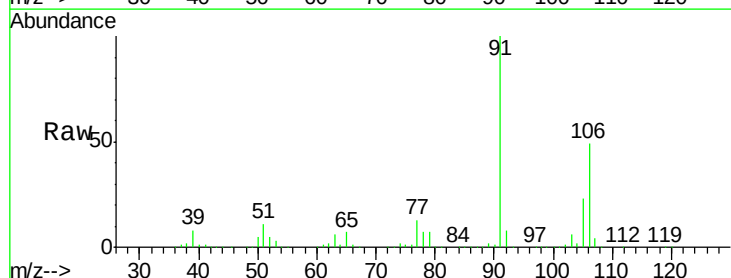
Manual Integrations
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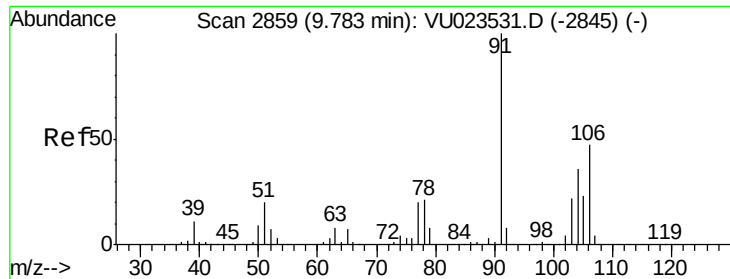
apatel
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#64
m/p-Xylenes
Concen: 42.19 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion: 106 Resp: 1045904
Ion Ratio Lower Upper
106 100
91 204.0 164.1 246.1





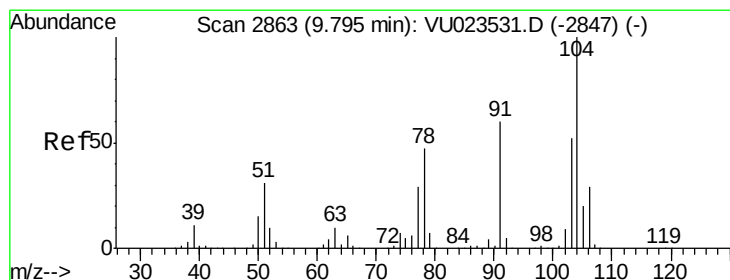
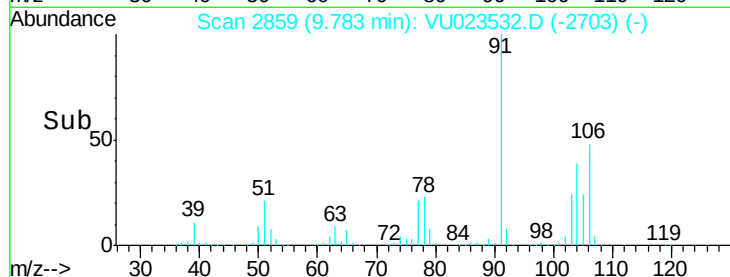
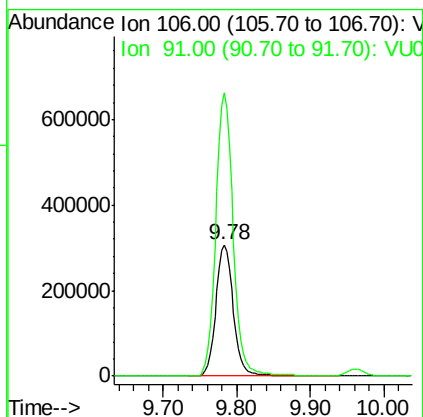
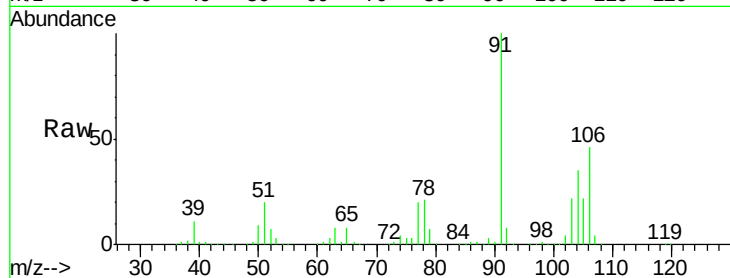
#65
o-Xylene
Concen: 20.58 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.1	107.9	323.7

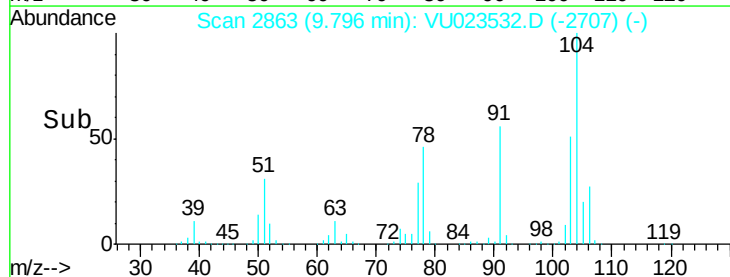
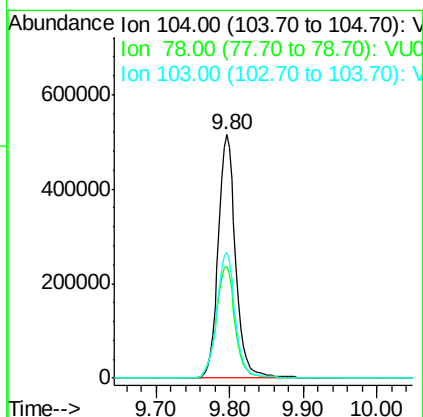
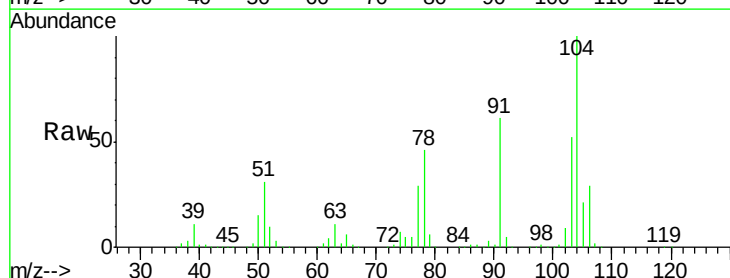
Manual Integrations
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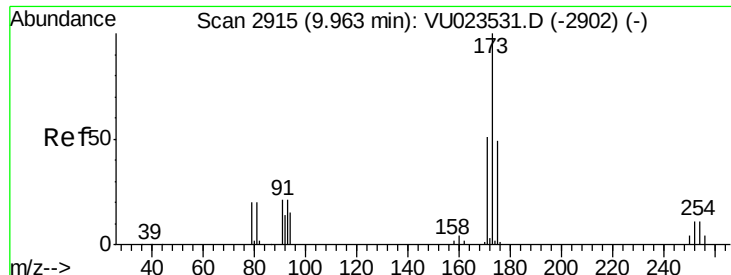
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#66
Styrene
Concen: 20.94 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.8	40.2	60.2
103	55.0	44.2	66.4





#67

Bromoform

Concen: 21.07 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

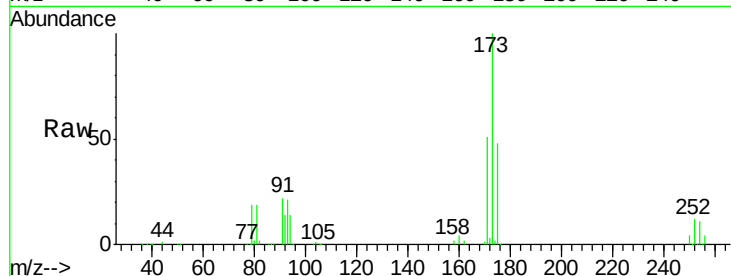
ClientSampleId :

VSTDIC020

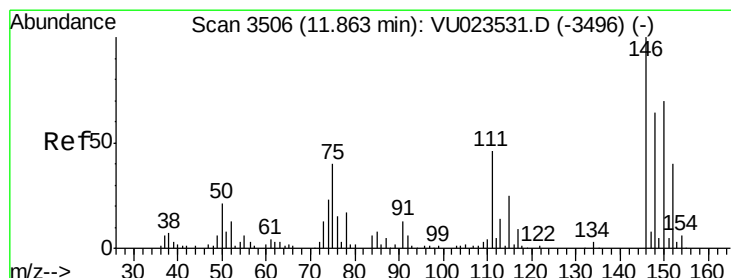
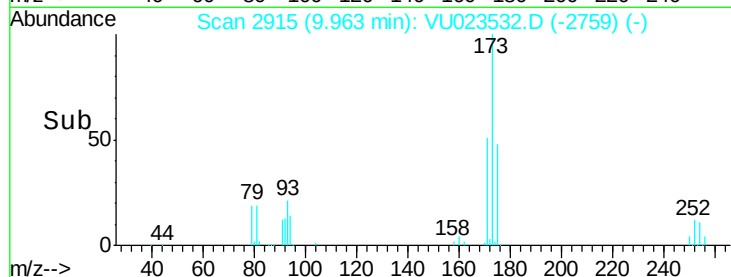
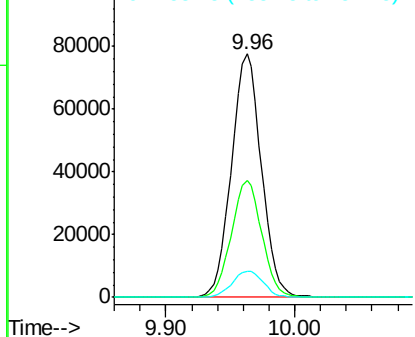
Tot Ion:	173	Resp:	125322
Ion Ratio	Lower	Upper	
173	100		
175	48.7	38.6	57.8
254	11.3	8.8	13.2

Manual Integrations
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 21.07 ug/l

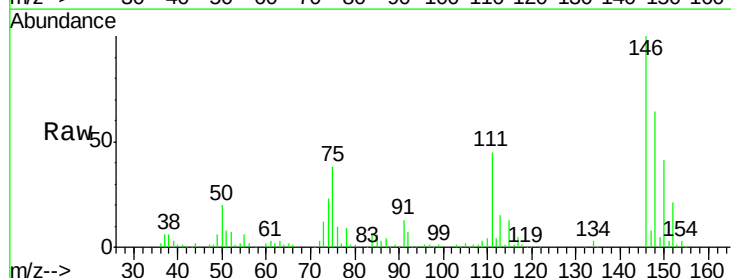
RT: 11.86 min Scan# 3506

Delta R.T. 0.00 min

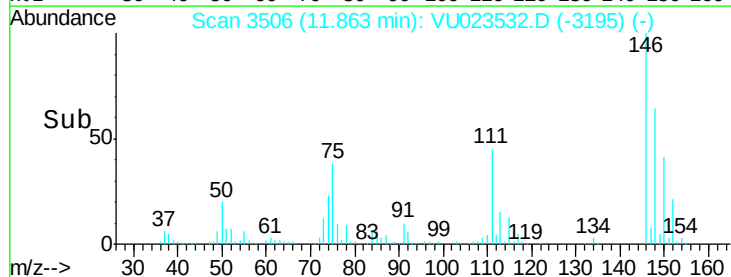
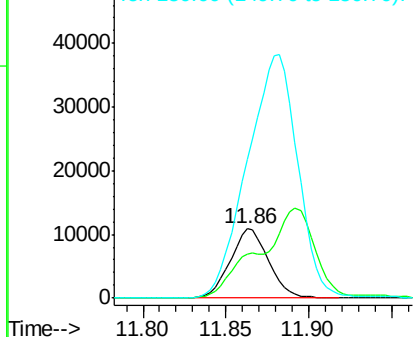
Lab File: VU023532.D

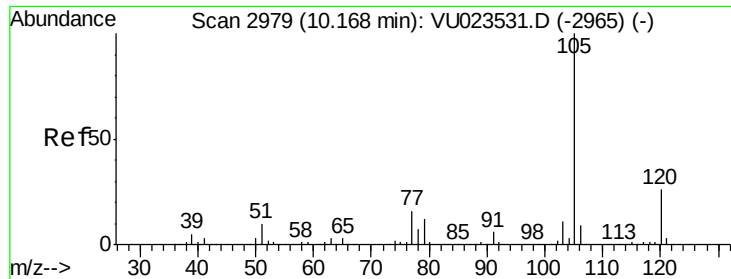
Acq: 30 Apr 2018 17:17

Tgt Ion:	152	Resp:	17415
Ion Ratio	Lower	Upper	
152	100		
115	49.2	0.0	118.8
150	0.0	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: 21.12 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 1288516

Ion Ratio Lower Upper

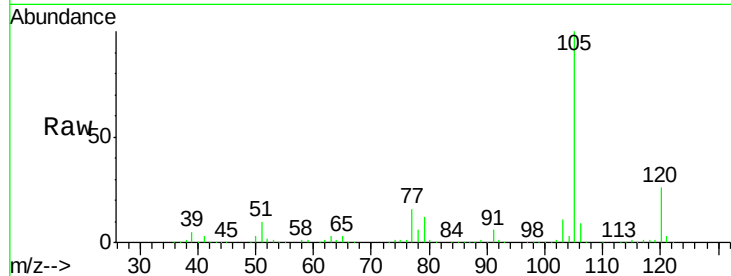
105 100

120 26.2 13.1 39.3

Manual Integrations
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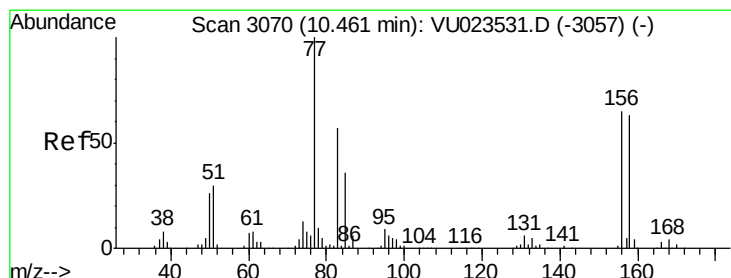
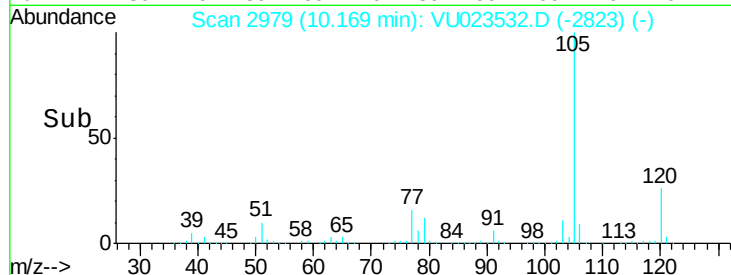
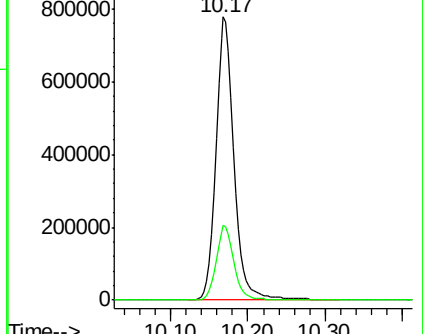
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 18.25 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

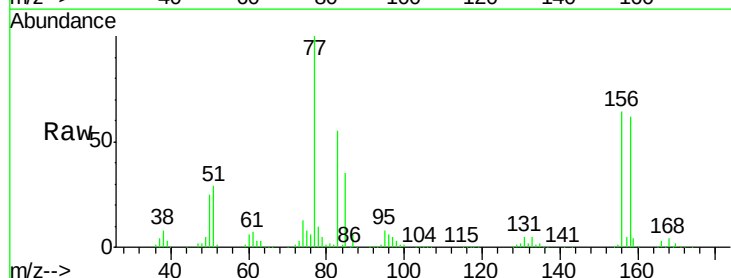
Tgt Ion: 83 Resp: 232280

Ion Ratio Lower Upper

83 100

131 9.6 7.9 11.9

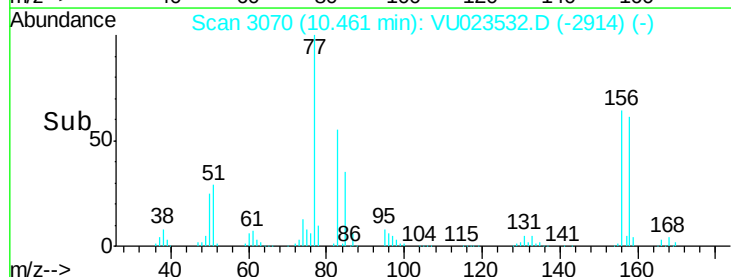
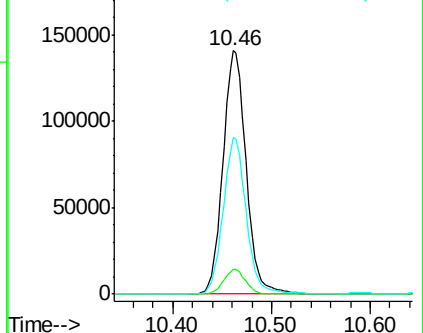
85 64.1 51.8 77.6

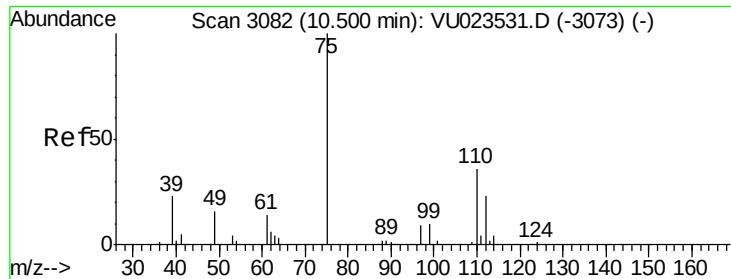


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 15.65 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 147000

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

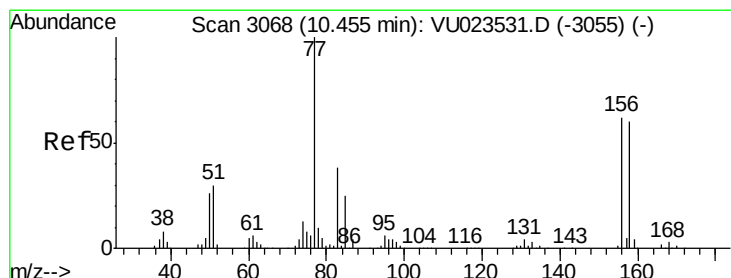
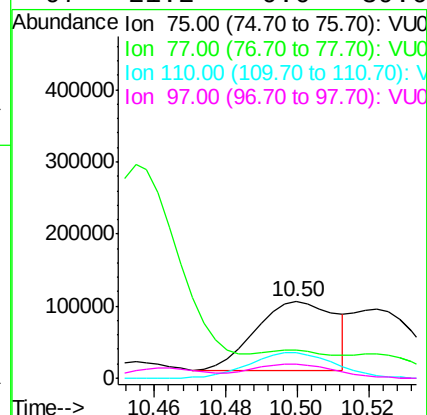
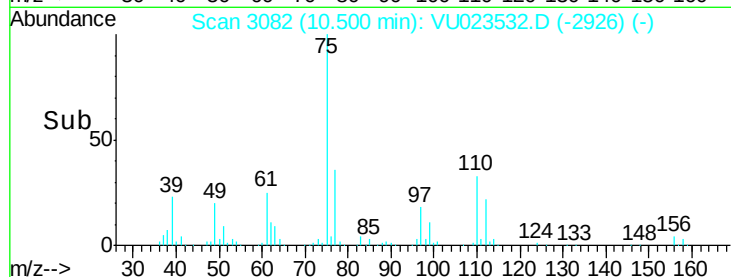
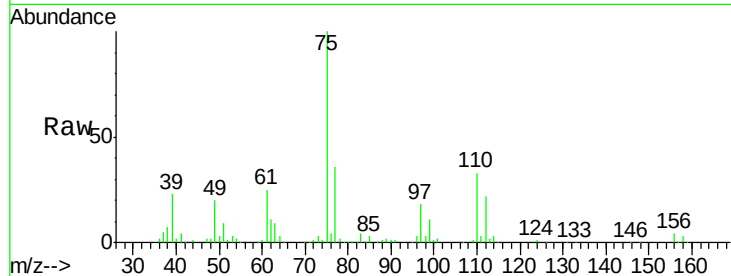
110 39.7 0.0 74.0

97 21.2 0.0 39.6

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#72

Bromobenzene

Concen: 18.60 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

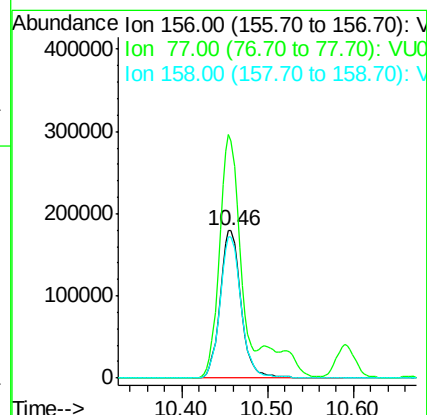
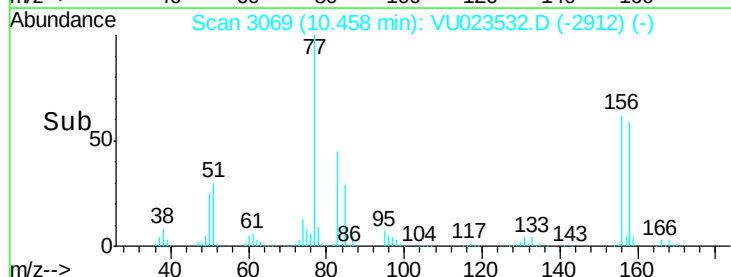
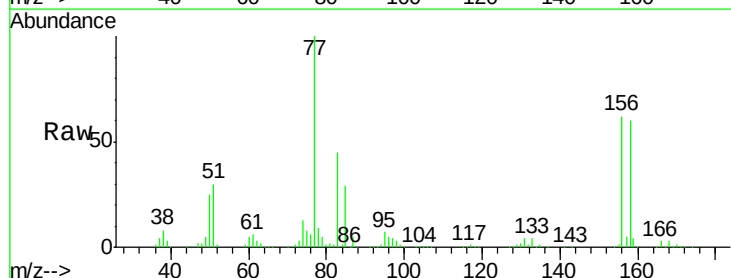
Tgt Ion: 156 Resp: 305163

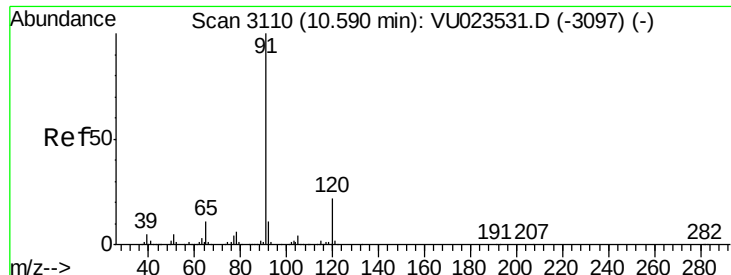
Ion Ratio Lower Upper

156 100

77 161.2 0.0 309.8

158 97.2 0.0 193.0





#73

n-propylbenzene

Concen: 21.11 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:120 Resp: 361698

Ion Ratio Lower Upper

120 100

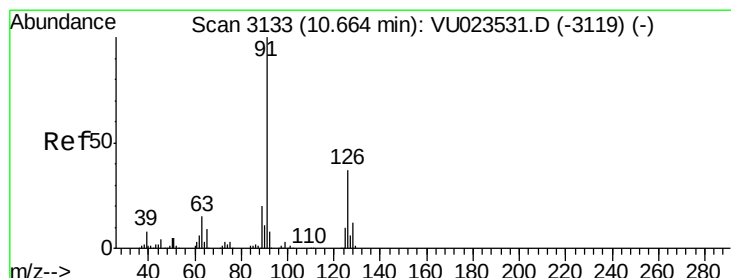
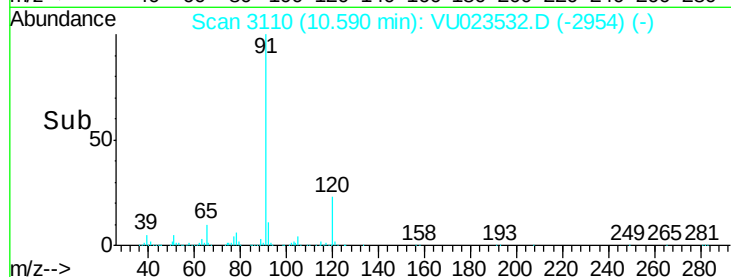
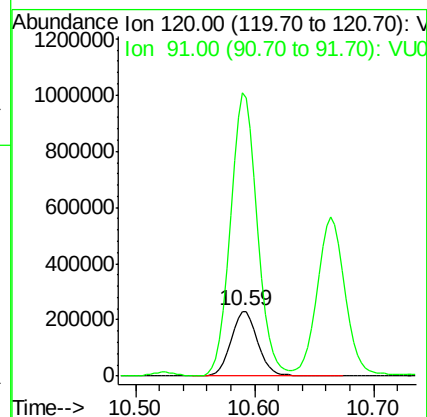
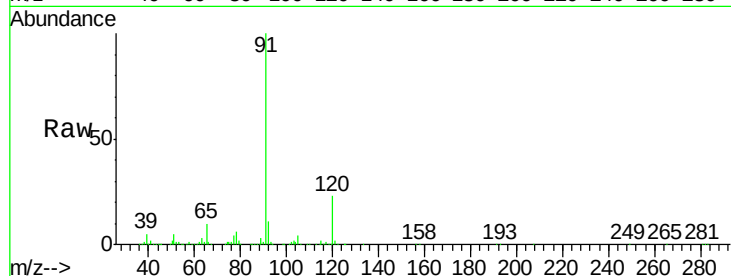
91 434.3 352.2 528.4

Manual Integrations

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#74

2-Chlorotoluene

Concen: 19.46 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU023532.D

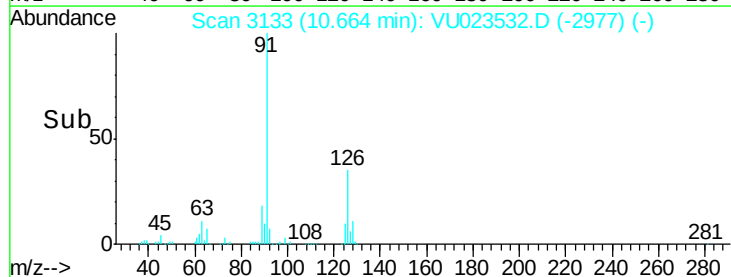
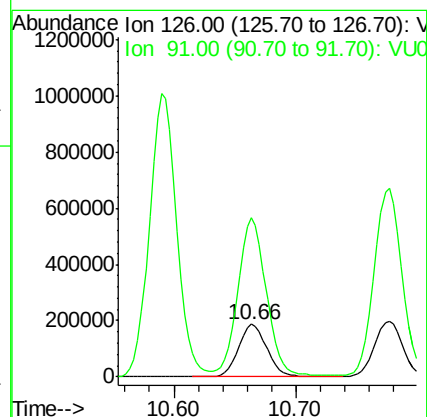
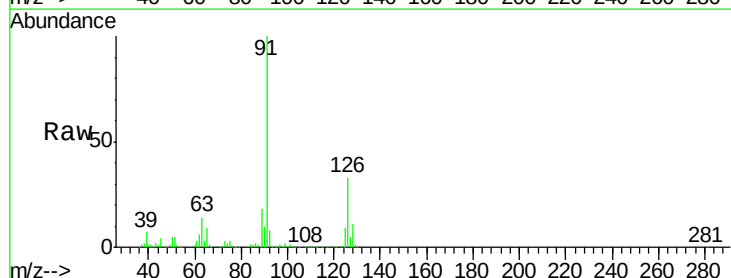
Acq: 30 Apr 2018 17:17

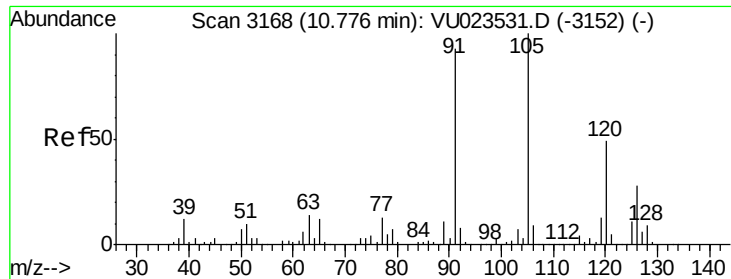
Tgt Ion:126 Resp: 301899

Ion Ratio Lower Upper

126 100

91 308.3 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 20.76 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 1087866

Ion Ratio Lower Upper

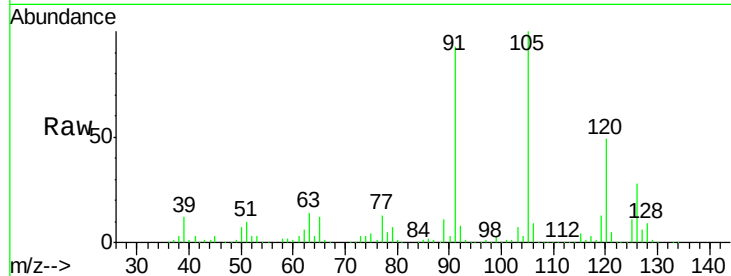
105 100

120 48.6 39.0 58.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.78

800000

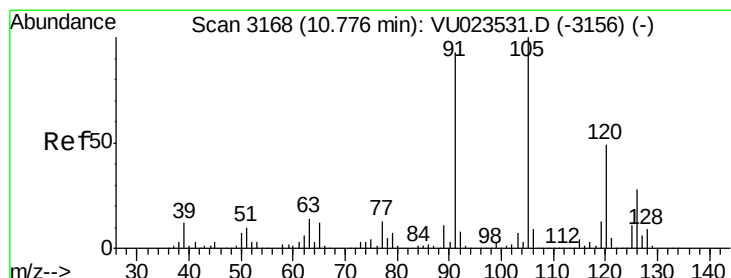
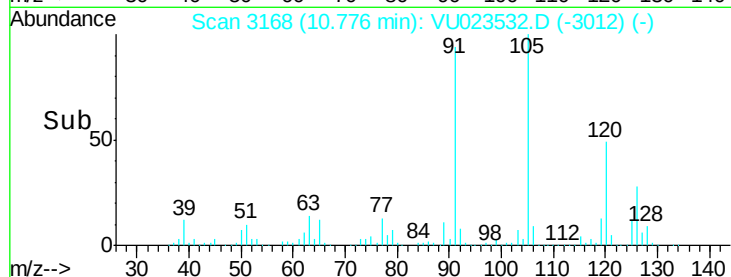
600000

400000

200000

0

Time-->



#76

4-Chlorotoluene

Concen: 19.78 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU023532.D

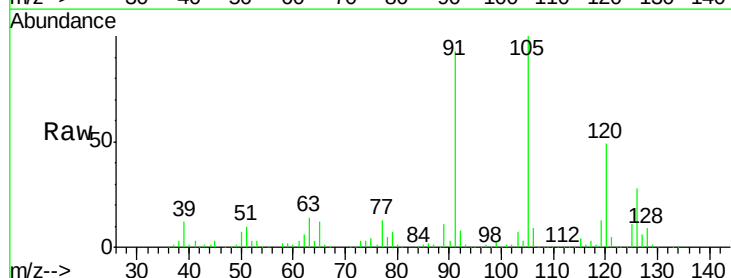
Acq: 30 Apr 2018 17:17

Tgt Ion:126 Resp: 317383

Ion Ratio Lower Upper

126 100

91 337.3 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.78

800000

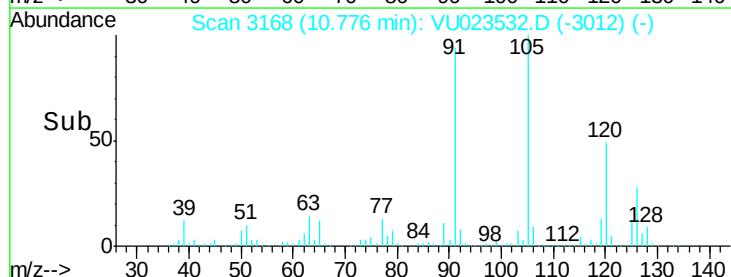
600000

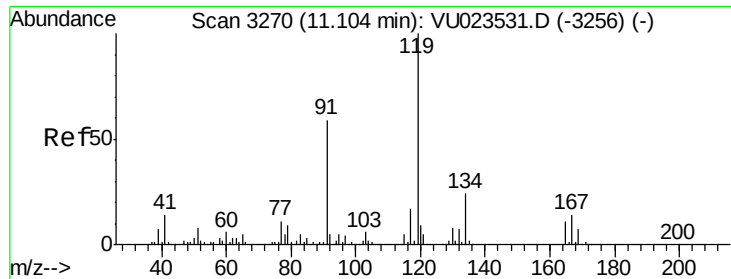
400000

200000

0

Time-->





#77

tert-Butylbenzene

Concen: 20.26 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:119 Resp: 1004656

Ion Ratio Lower Upper

119 100

91 58.9 29.6 88.8

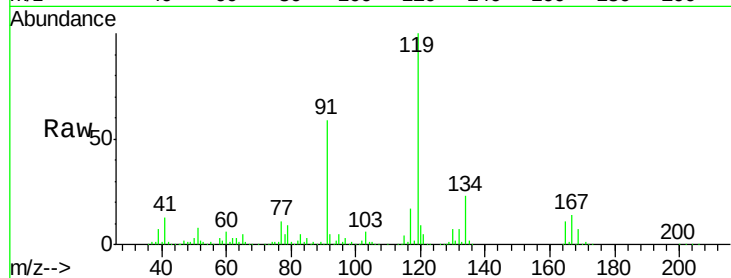
134 23.7 19.1 28.7

Manual Integrations

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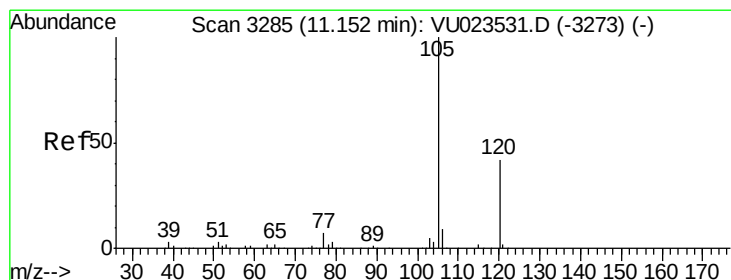
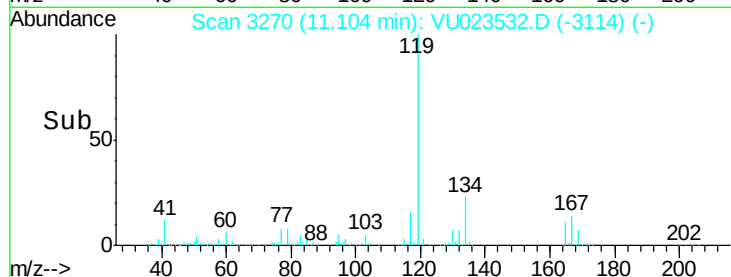
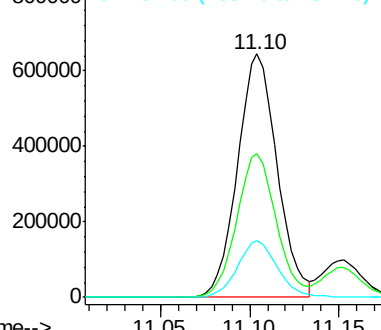
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 20.60 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU023532.D

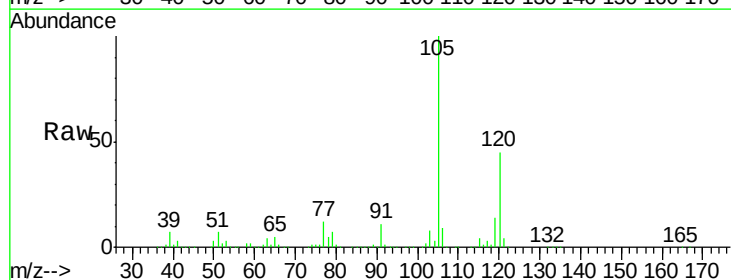
Acq: 30 Apr 2018 17:17

Tgt Ion:105 Resp: 1104075

Ion Ratio Lower Upper

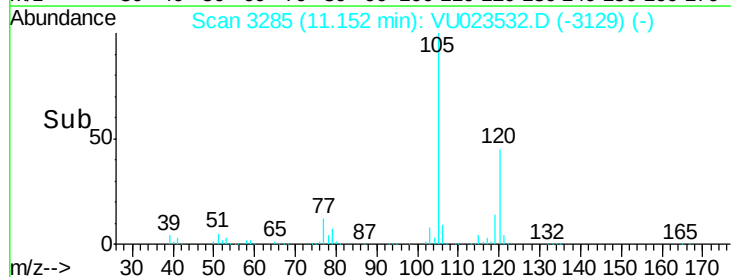
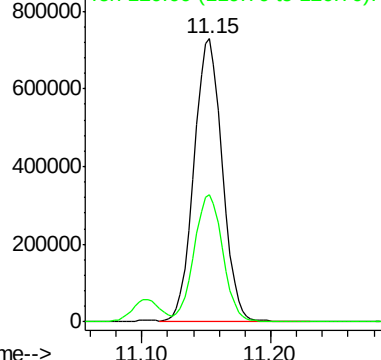
105 100

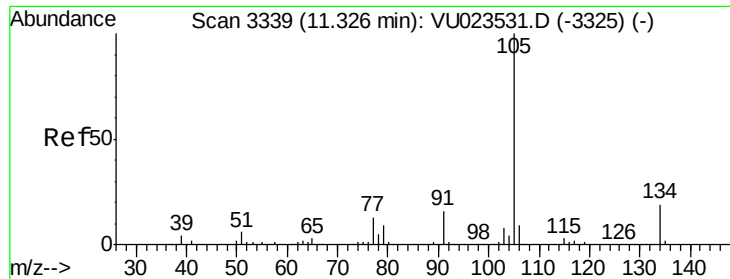
120 45.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 21.01 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 1409492

Ion Ratio Lower Upper

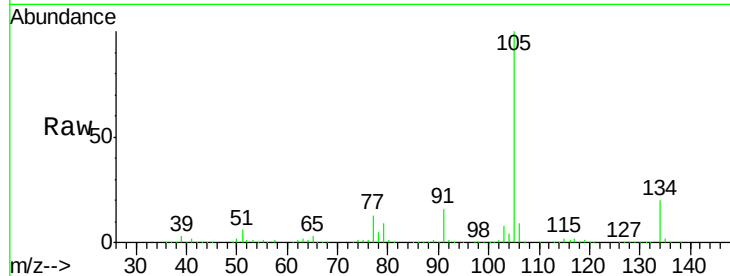
105 100

134 19.7 15.6 23.4

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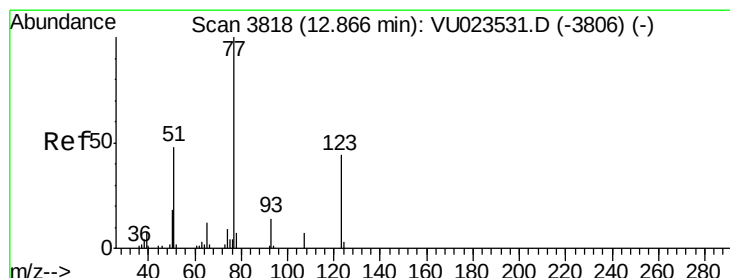
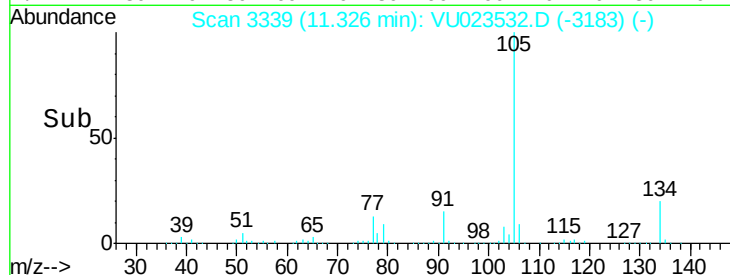
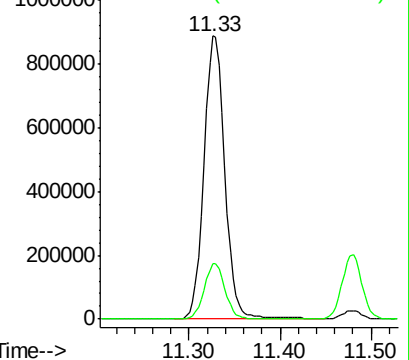
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 170.40 ug/l

RT: 12.87 min Scan# 3818

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

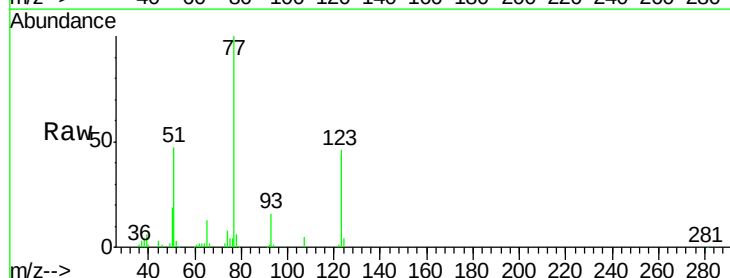
Tgt Ion: 77 Resp: 49130

Ion Ratio Lower Upper

77 100

123 45.4 19.4 68.6

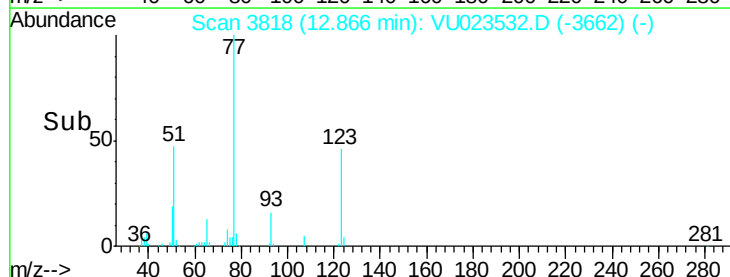
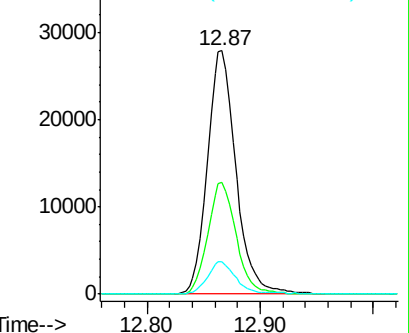
65 12.2 11.2 14.2

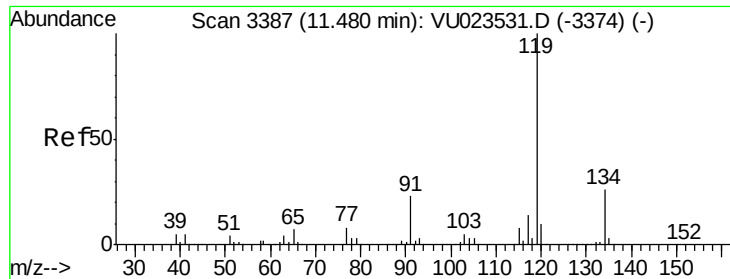


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





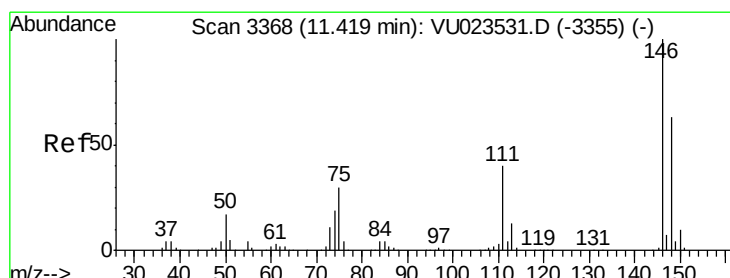
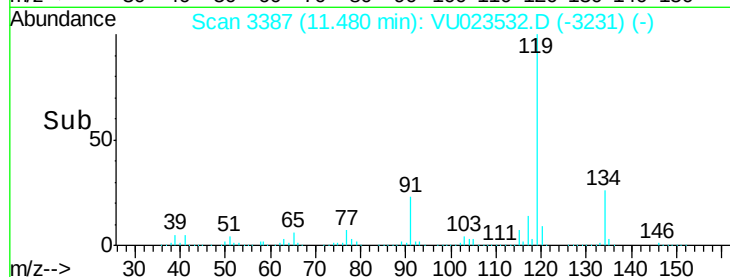
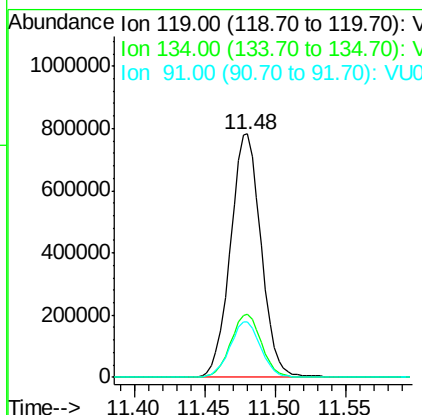
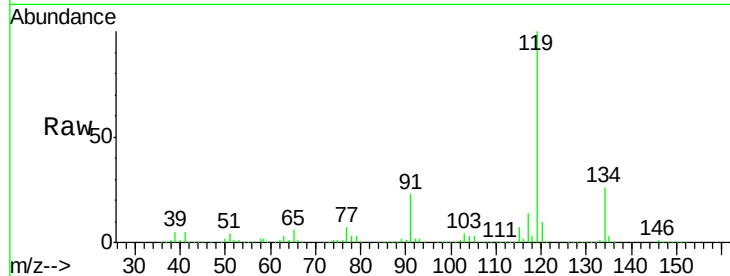
#81
 p-Isopropyltoluene
 Concen: 21.16 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.9	31.3
91	22.7	18.2	27.2

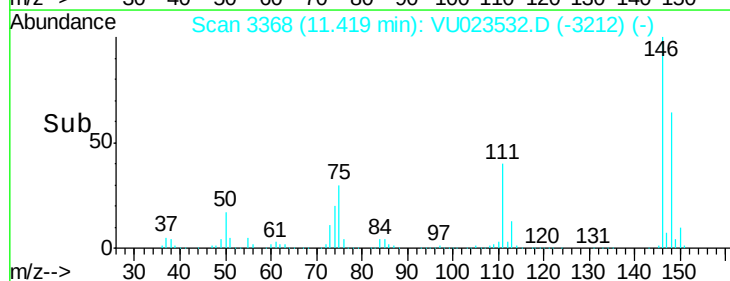
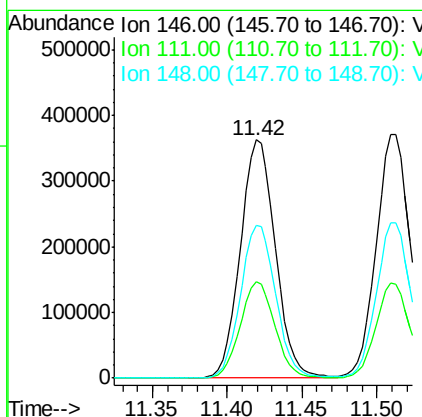
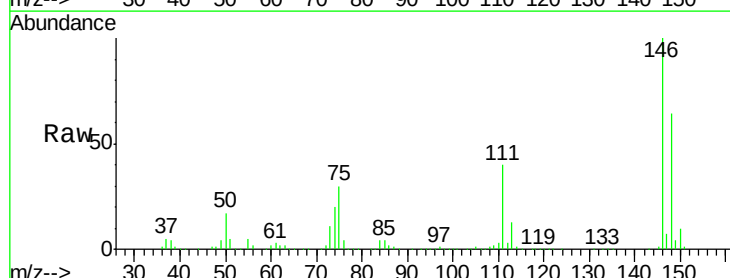
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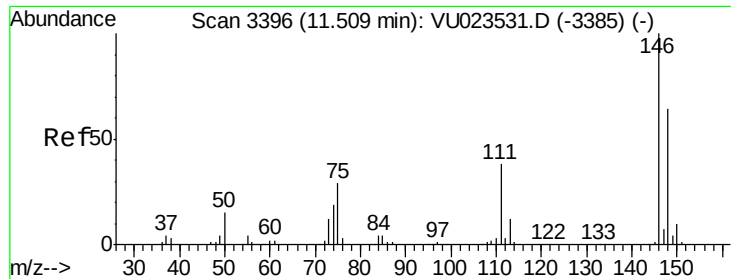
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#82
 1,3-Dichlorobenzene
 Concen: 18.55 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	31.8	47.6
148	64.4	51.0	76.4





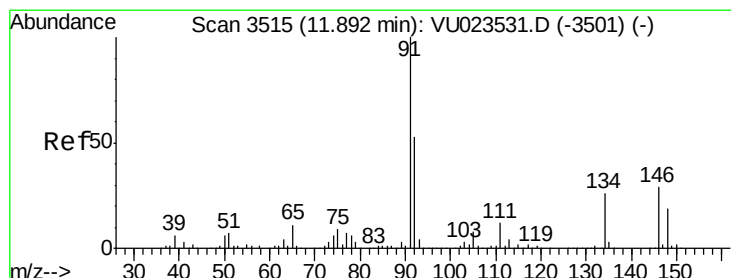
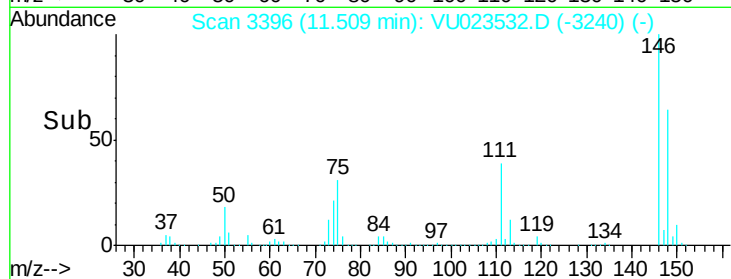
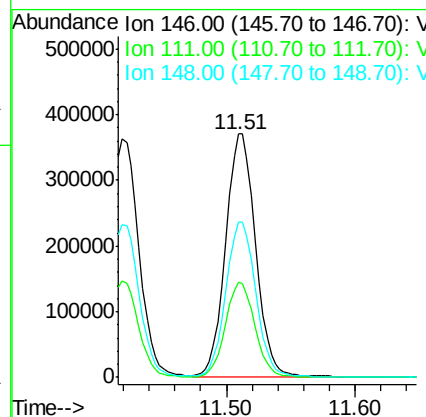
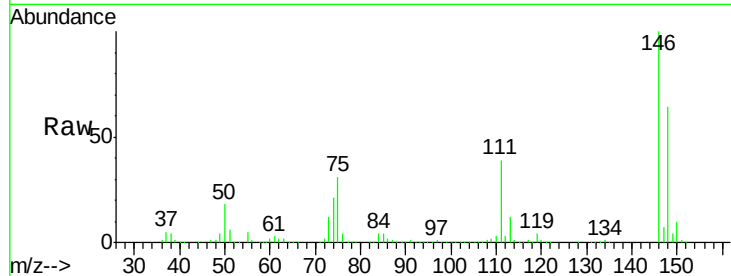
#83
 1,4-Dichlorobenzene
 Concen: 18.46 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	30.1	45.1
148	64.2	50.6	76.0

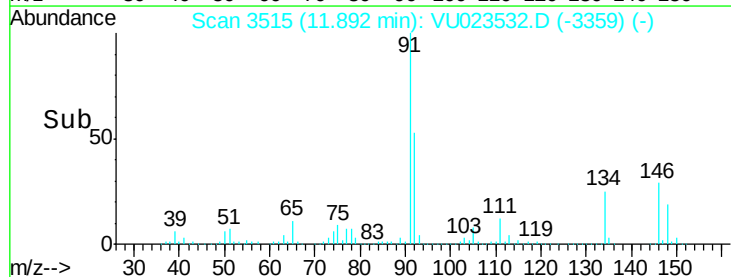
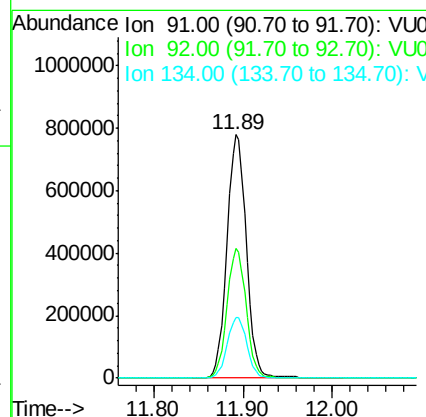
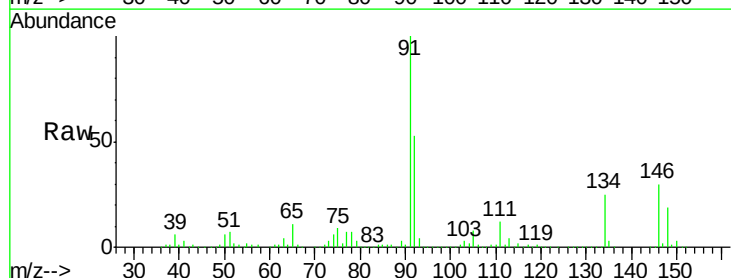
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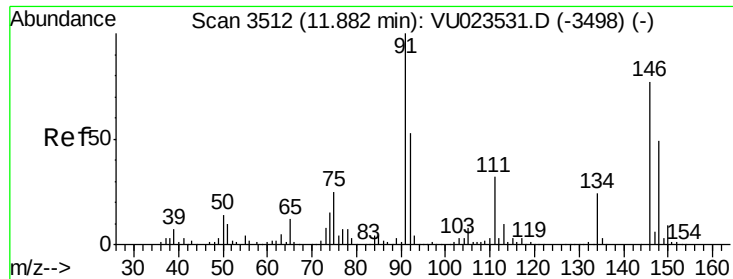
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#84
 n-Butylbenzene
 Concen: 22.06 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	42.2	63.2
134	25.3	20.3	30.5





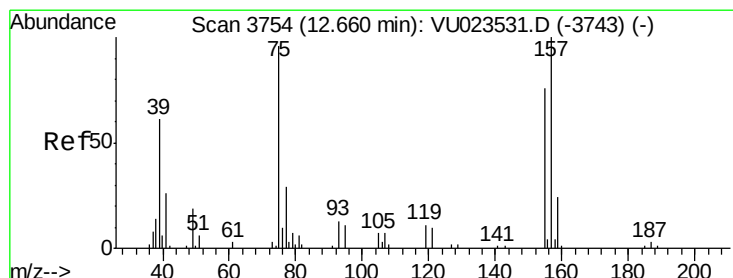
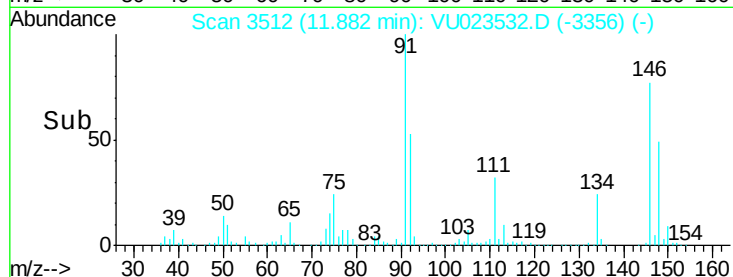
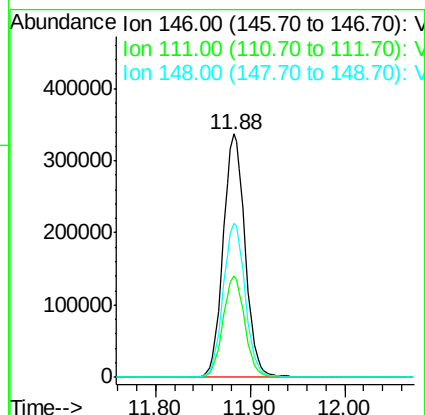
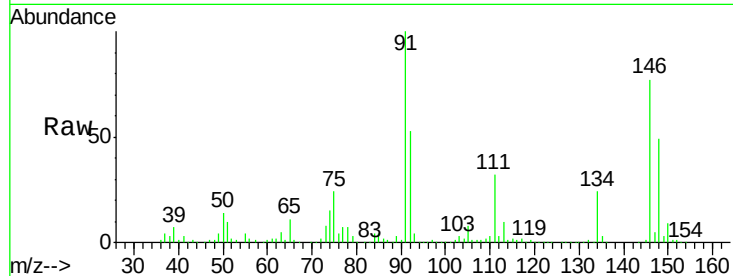
#85
 1,2-Dichlorobenzene
 Concen: 18.22 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	63.8	31.9	95.5

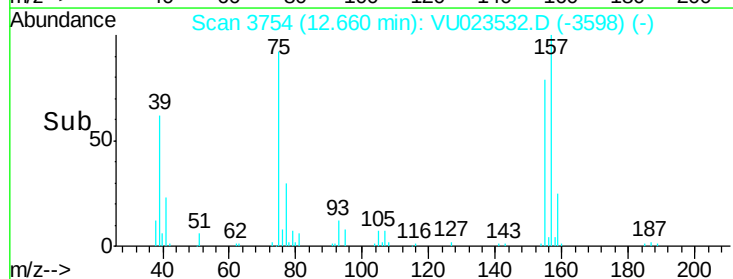
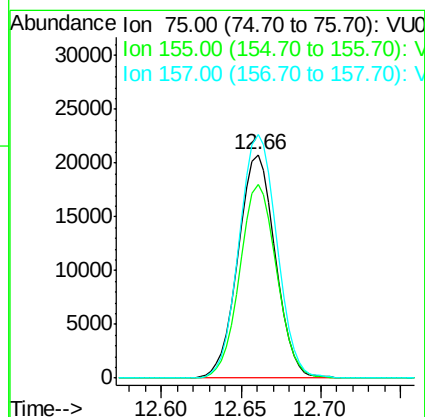
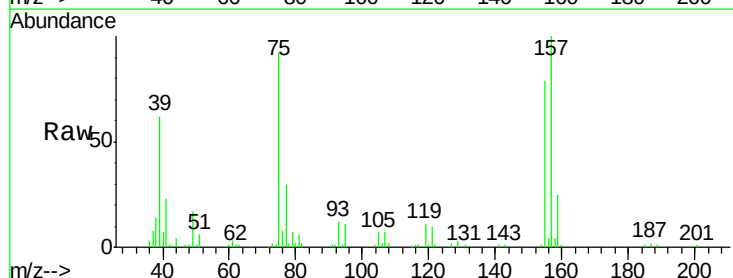
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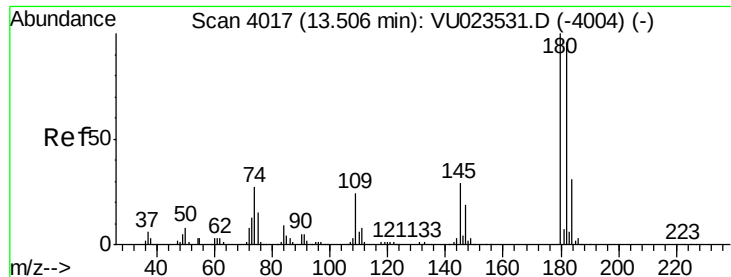
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 19.25 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU023532.D
 Acq: 30 Apr 2018 17:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	65.8	98.6
157	110.7	83.5	125.3





#87

1,2,4-Trichlorobenzene

Concen: 20.44 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:180 Resp: 428085

Ion Ratio Lower Upper

180 100

182 95.8 77.1 115.7

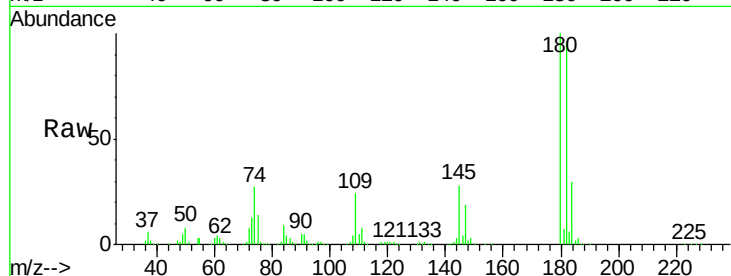
145 28.6 23.3 34.9

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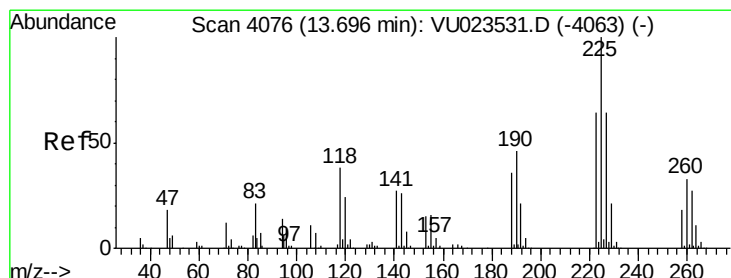
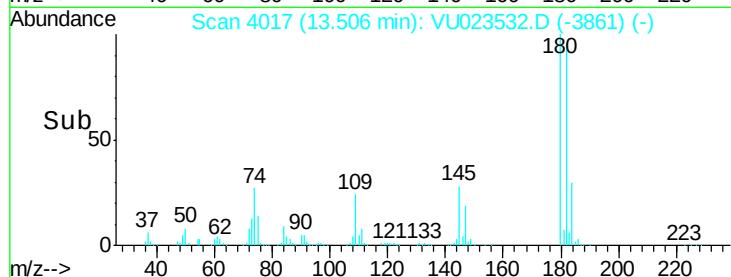
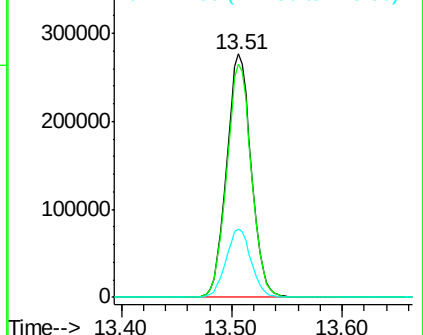
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Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 21.10 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU023532.D

Acq: 30 Apr 2018 17:17

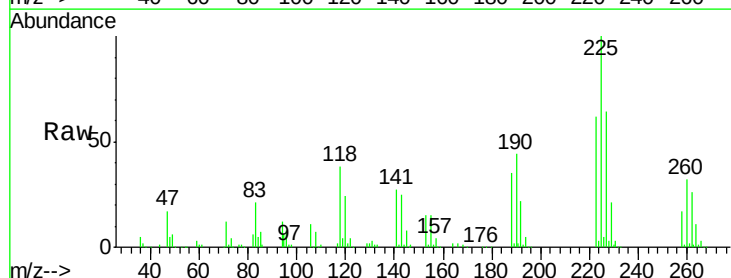
Tgt Ion:225 Resp: 243161

Ion Ratio Lower Upper

225 100

223 62.5 50.6 75.8

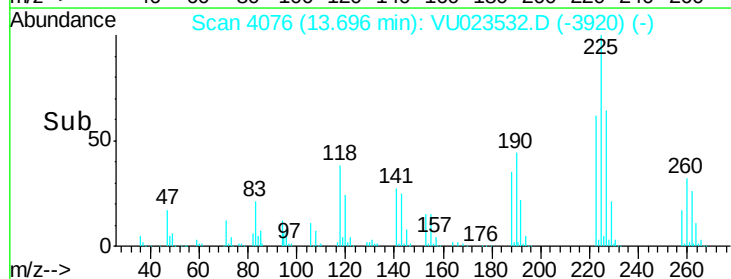
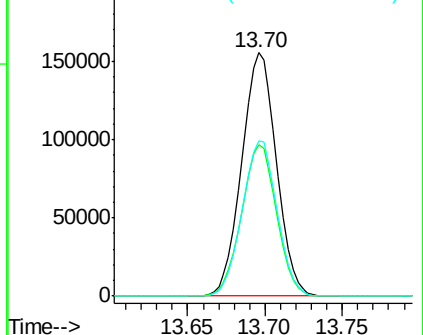
227 64.0 51.8 77.6

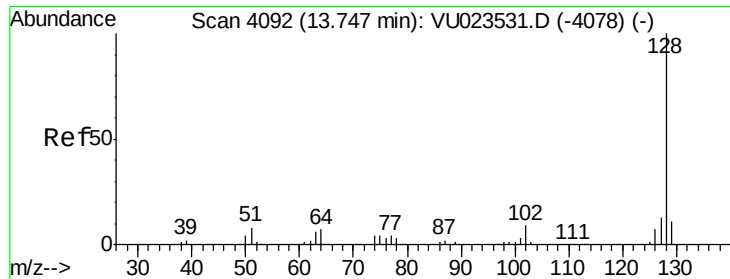


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





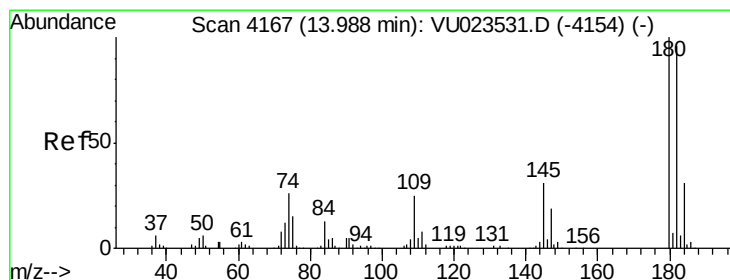
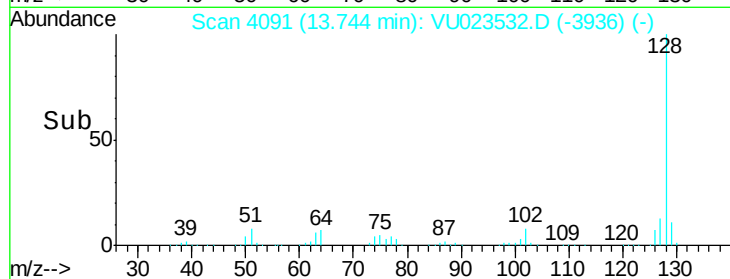
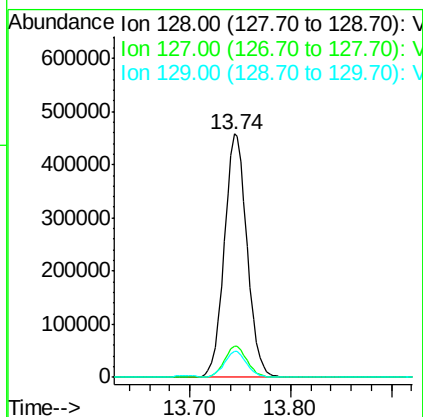
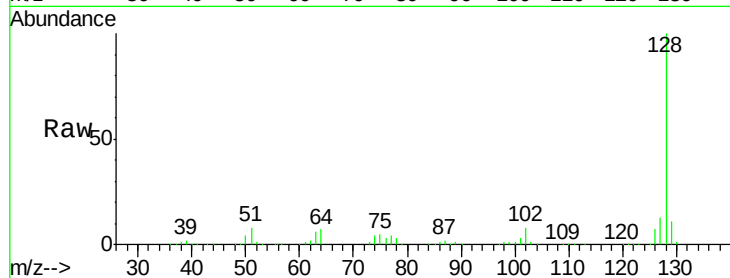
#89
Naphthalene
Concen: 21.79 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. -0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.6	8.7	13.1

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#90
1,2,3-Trichlorobenzene
Concen: 19.83 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU023532.D
Acq: 30 Apr 2018 17:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
145	30.1	24.6	36.8

