

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU043018\
 Data File : VU023530.D
 Acq On : 30 Apr 2018 16:21
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

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 5/3/2018 4:49:01 PM

Quant Time: May 01 04:56:43 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	52926	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	17310	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	16591	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	86032	5.14	ug/l	100
3) Chloromethane	1.33	50	94643	4.47	ug/l	100
4) Vinyl Chloride	1.40	62	95003	4.94	ug/l	100
5) Bromomethane	1.63	94	49895	3.97	ug/l	100
6) Chloroethane	1.70	64	51967	4.71	ug/l	99
7) Trichlorofluoromethane	1.89	101	111426	5.12	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	67753	5.22	ug/l	99
9) 1,1-Dichloroethene	2.29	96	62750	4.83	ug/l	99
10) Iodomethane	2.42	142	78220	5.37	ug/l	100
11) Allyl Chloride	2.60	41	114668	5.53	ug/l	99
12) Acrylonitrile	2.95	53	24773	8.41	ug/l	95
13) Acetone	2.35	43	51292	21.87	ug/l	98
14) Carbon Disulfide	2.48	76	201495	4.94	ug/l	100
15) Methylene Chloride	2.71	84	66654	4.24	ug/l	98
16) trans-1,2-Dichloroethene	2.99	96	66033	4.70	ug/l	99
17) 1,1-Dichloroethane	3.45	63	131364	5.00	ug/l	100
18) 2-Butanone	4.30	43	87296	24.34	ug/l	99
19) Cyclohexane	4.99	56	113078	5.97	ug/l	98
20) Methylcyclohexane	6.41	83	116032	5.29	ug/l	98
21) 2,2-Dichloropropane	4.23	77	104043	5.41	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	70857	4.53	ug/l	98
23) Diethyl Ether	2.11	59	51161	4.82	ug/l	99
24) tert-Butyl Alcohol	2.89	59	37294	36.11	ug/l	99
25) Methyl tert-Butyl Ether	3.01	73	155474	4.73	ug/l	99
26) Bromochloromethane	4.55	128	28372	4.14	ug/l	99
27) Chloroform	4.68	83	123612	4.72	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	101342	5.04	ug/l	100
29) 1,1-Dichloropropene	5.13	75	99529	5.02	ug/l	99
30) Carbon Tetrachloride	5.13	117	85670	5.08	ug/l	99
31) Isopropyl Ether	3.58	45	218793	5.46	ug/l	98
32) Ethyl-t-butyl ether	4.08	59	186010	5.15	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	158786	5.07	ug/l	100
34) Propionitrile	4.36	54	24575	22.65	ug/l	96
35) Benzene	5.39	78	308638	5.14	ug/l	99
36) 1,2-Dichloroethane	5.41	62	83390	5.24	ug/l	100
37) Trichloroethene	6.19	130	78286	4.89	ug/l	99
38) 1,2-Dichloropropane	6.44	63	81492	5.34	ug/l	97
39) Methacrylonitrile	4.56	41	24631	5.47	ug/l	98
40) Methyl acrylate	4.44	55	34467	5.06	ug/l #	98
41) Tetrahydrofuran	4.67	42	23877	9.51	ug/l	99
42) 1-Chlorobutane	5.07	56	143978	5.39	ug/l	99

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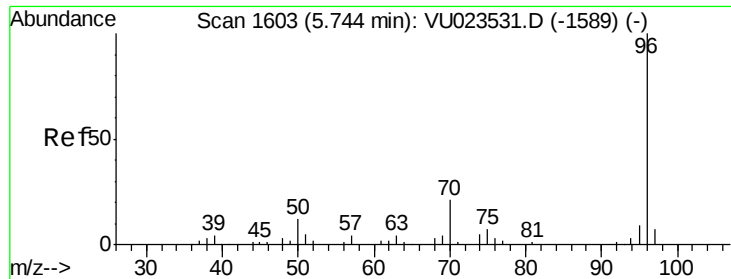
Manual Integrations
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	34633	4.79	ug/l	99
44) Bromodichloromethane	6.76	83	88302	5.22	ug/l	99
45) 4-Methyl-2-Pentanone	7.48	43	209522	25.16	ug/l	98
46) t-1,4-Dichloro-2-butene	10.51	75	27113m	10.44	ug/l	
47) Methyl methacrylate	6.64	69	63481	9.25	ug/l	99
48) Ethyl methacrylate	8.03	69	55302	4.53	ug/l	100
49) Toluene	7.64	92	175360	4.99	ug/l	98
50) t-1,3-Dichloropropene	7.89	75	75786	5.21	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	99118	5.29	ug/l	100
52) 1,1,2-Trichloroethane	8.07	97	49410	4.69	ug/l	98
53) 1,3-Dichloropropane	8.25	76	88548	4.89	ug/l	100
54) 2-Hexanone	8.38	43	144439	25.43	ug/l	99
55) Dibromochloromethane	8.48	129	53111	4.90	ug/l	97
56) 1,2-Dibromoethane	8.59	107	42275	4.56	ug/l	98
58) Tetrachloroethene	8.23	164	74527	5.23	ug/l	98
59) Chlorobenzene	9.12	112	185063	4.80	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	61252	4.72	ug/l	99
61) Pentachloroethane	11.10	117	44041	4.68	ug/l	94
62) Hexachloroethane	12.15	117	42889	5.07	ug/l	96
63) Ethyl Benzene	9.25	91	311157	4.90	ug/l	100
64) m/p-Xylenes	9.38	106	246249	10.02	ug/l	98
65) o-Xylene	9.78	106	117574	4.85	ug/l	99
66) Styrene	9.80	104	198271	4.95	ug/l	99
67) Bromoform	9.96	173	28866	4.89	ug/l	100
69) Isopropylbenzene	10.17	105	302023	4.99	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	55774	4.42	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	41785m	4.49	ug/l	
72) Bromobenzene	10.45	156	73332	4.51	ug/l	97
73) n-propylbenzene	10.59	120	85021	5.00	ug/l	99
74) 2-Chlorotoluene	10.66	126	74418	4.84	ug/l	98
75) 1,3,5-Trimethylbenzene	10.78	105	265657	5.11	ug/l	100
76) 4-Chlorotoluene	10.78	126	77238	4.85	ug/l	99
77) tert-Butylbenzene	11.10	119	238692	4.85	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	266281	5.01	ug/l	99
79) sec-Butylbenzene	11.33	105	342599	5.15	ug/l	99
80) Nitrobenzene	12.87	77	10229	35.78	ug/l	99
81) p-Isopropyltoluene	11.48	119	282610	5.08	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	147400	4.66	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	147897	4.63	ug/l	98
84) n-Butylbenzene	11.89	91	274691	5.21	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	134014	4.54	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	7904	4.67	ug/l	98
87) 1,2,4-Trichlorobenzene	13.51	180	94919	4.57	ug/l	100
88) Hexachlorobutadiene	13.70	225	57869	5.06	ug/l	99
89) Naphthalene	13.75	128	146729	4.47	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	90062	4.58	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: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 52926

Ion Ratio Lower Upper

96 100

70 20.6 16.2 24.4

95 9.7 6.9 10.3

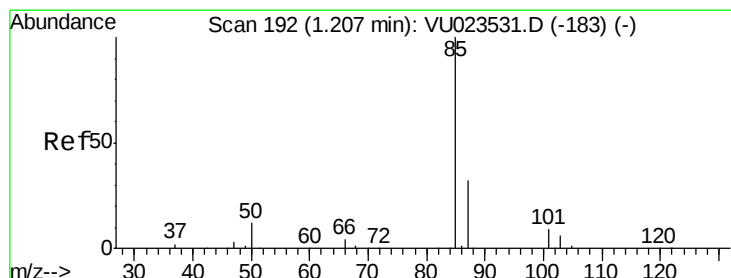
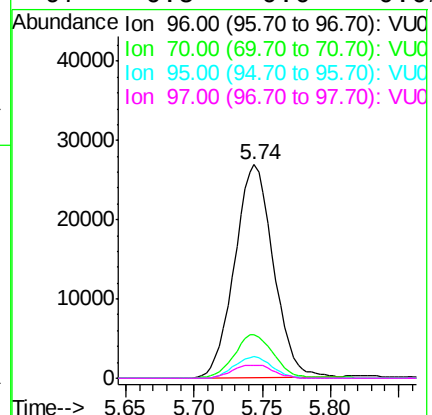
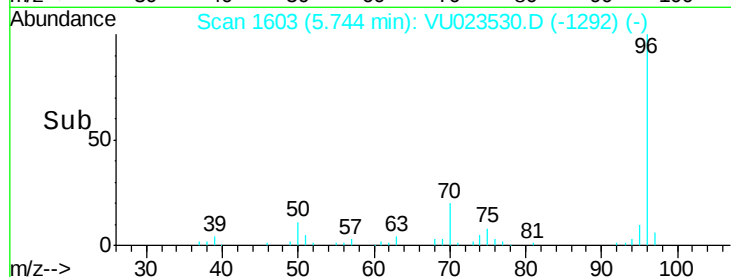
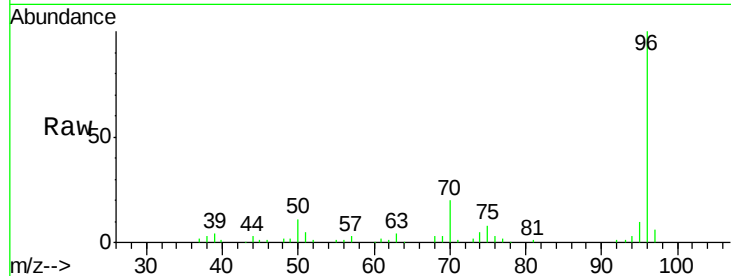
97 6.5 0.0 0.0#

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#2

Dichlorodifluoromethane

Concen: 5.14 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU023530.D

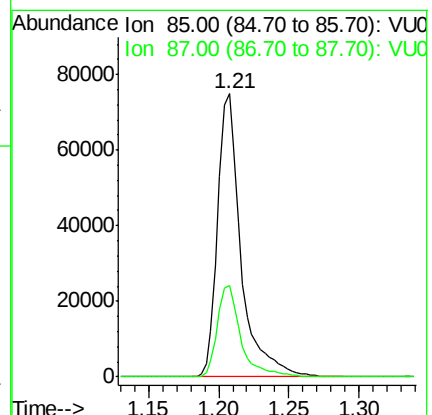
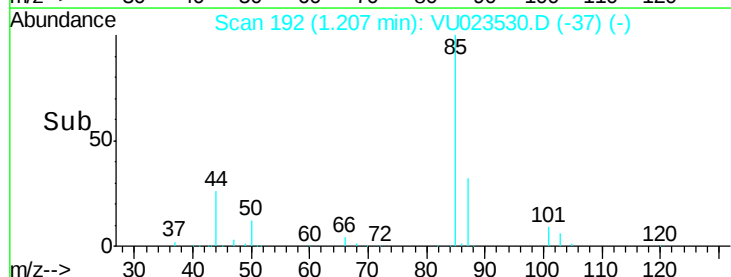
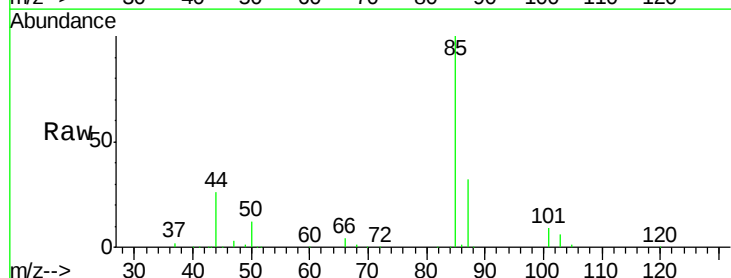
Acq: 30 Apr 2018 16:21

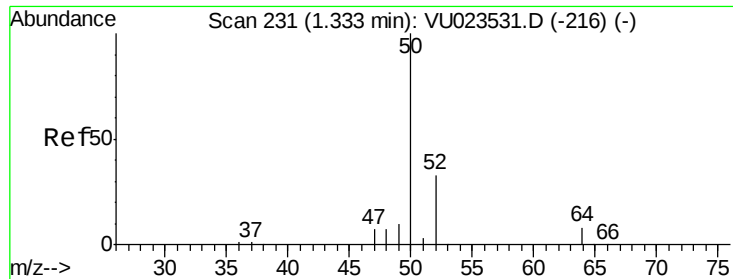
Tgt Ion: 85 Resp: 86032

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5





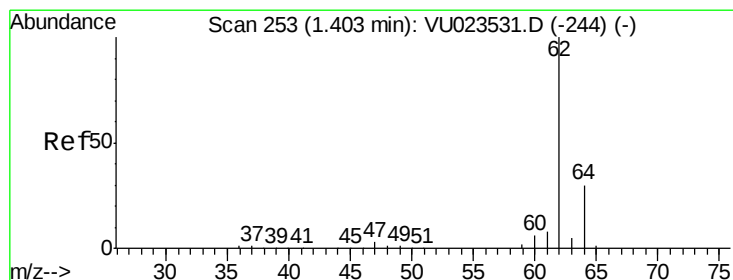
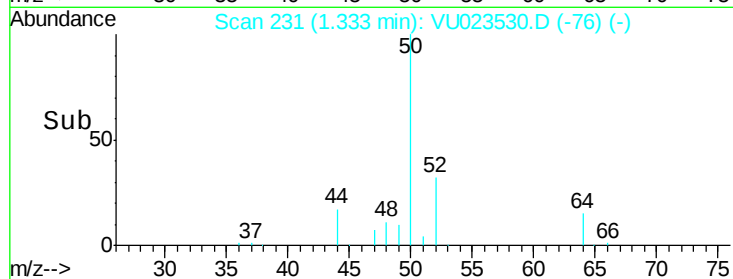
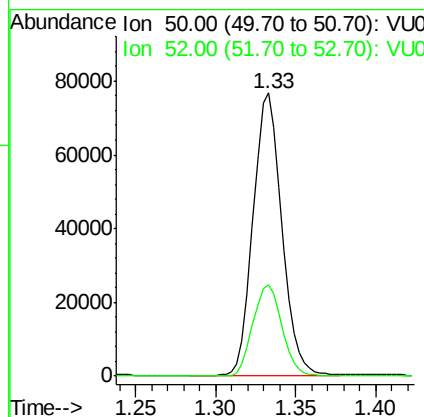
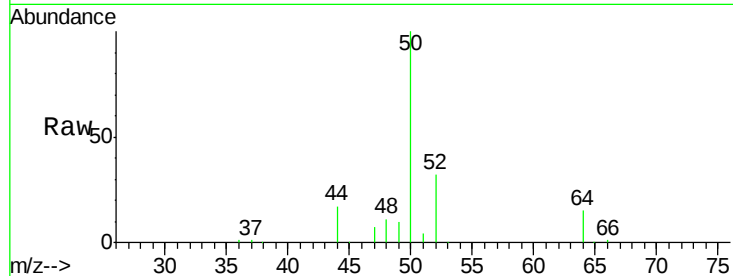
#3
Chloromethane
Concen: 4.47 ug/l
RT: 1.33 min Scan# 231
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.0	39.0

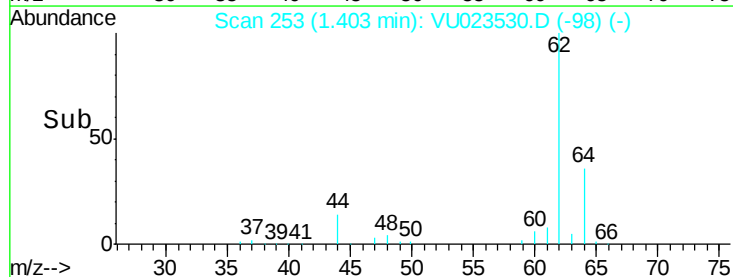
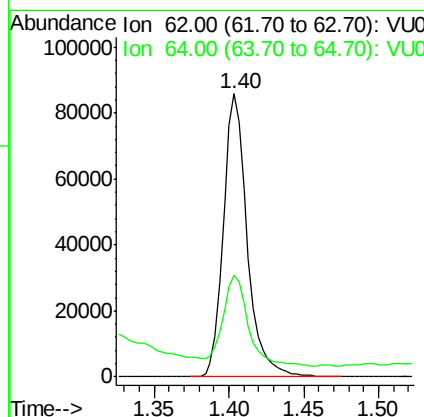
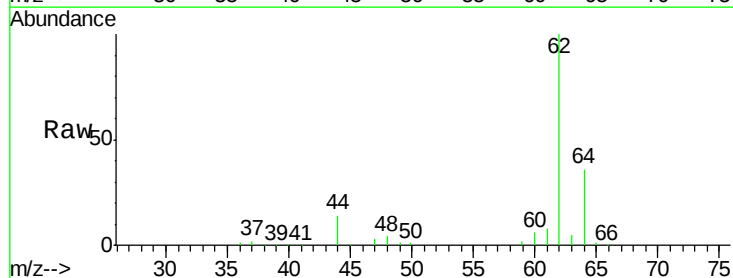
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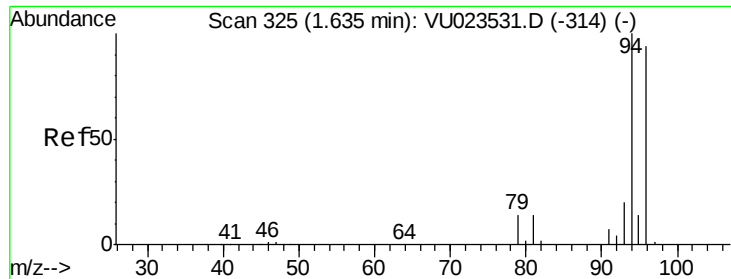
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#4
Vinyl Chloride
Concen: 4.94 ug/l
RT: 1.40 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.8	38.8





#5

Bromomethane

Concen: 3.97 ug/l

RT: 1.63 min Scan# 325

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 49895

Ion Ratio Lower Upper

94 100

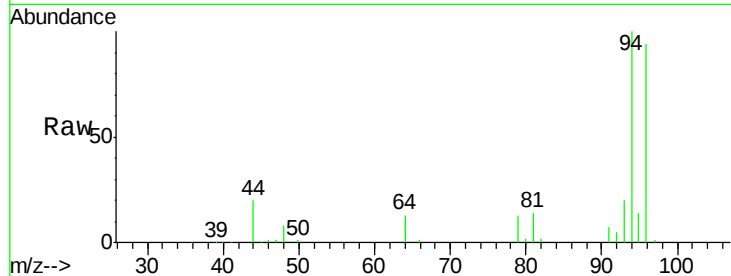
96 93.5 75.1 112.7

Manual Integrations

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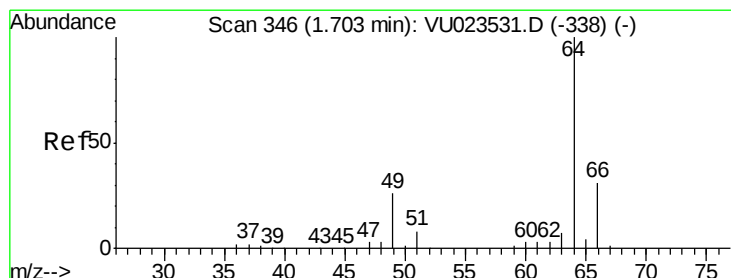
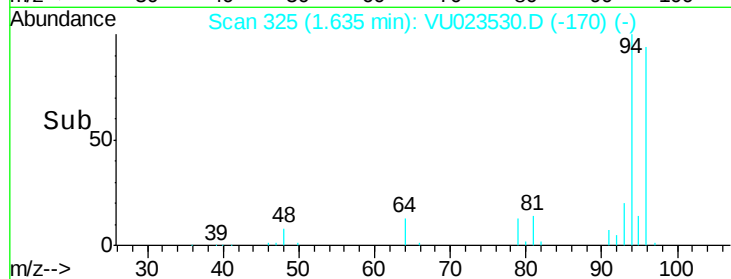
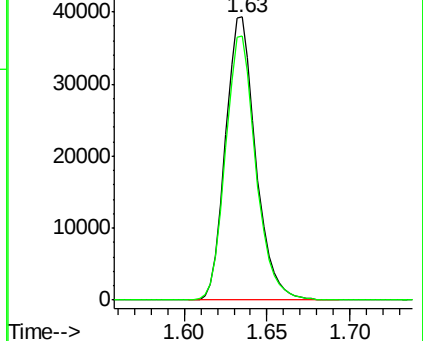
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 4.71 ug/l

RT: 1.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU023530.D

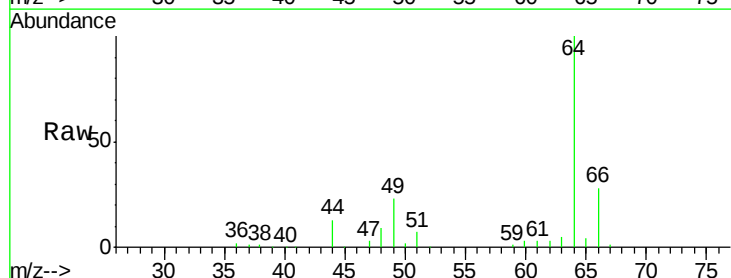
Acq: 30 Apr 2018 16:21

Tgt Ion: 64 Resp: 51967

Ion Ratio Lower Upper

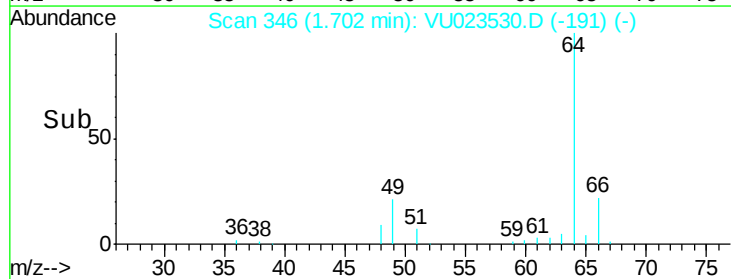
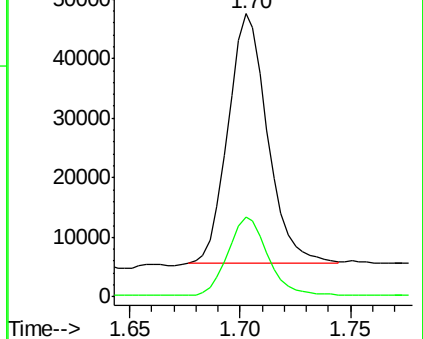
64 100

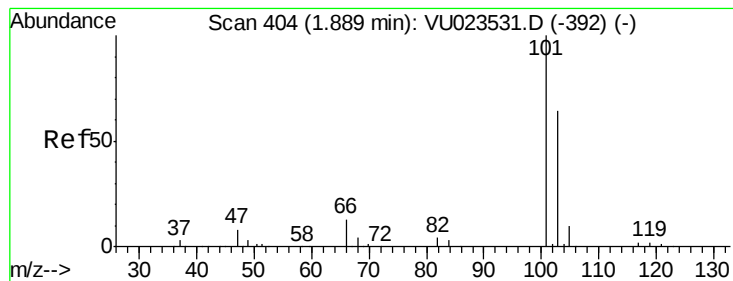
66 31.4 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 5.12 ug/l

RT: 1.89 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 111426

Ion Ratio Lower Upper

101 100

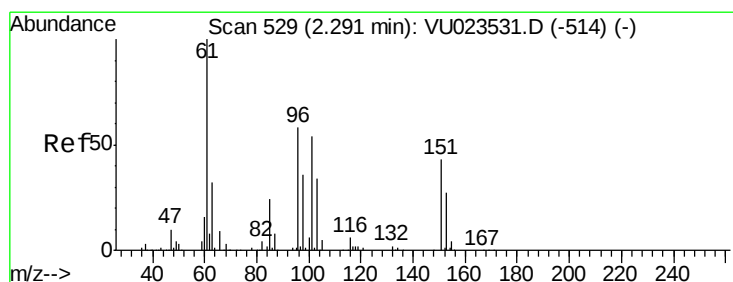
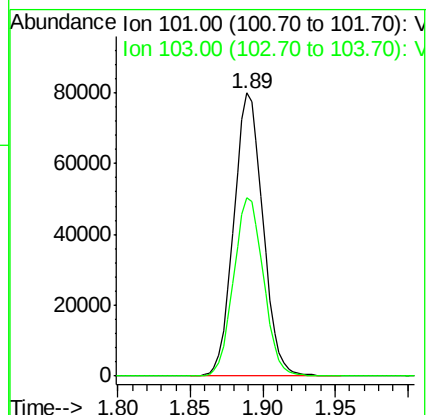
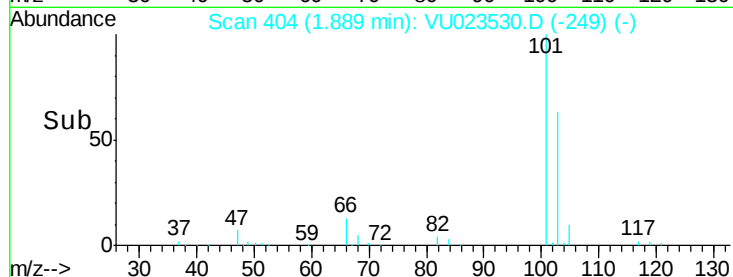
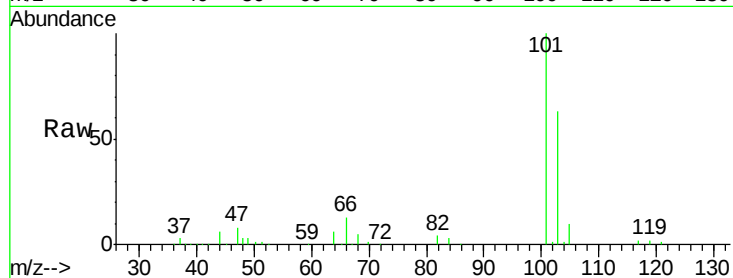
103 63.1 51.4 77.0

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#8

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

Concen: 5.22 ug/l

RT: 2.29 min Scan# 529

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

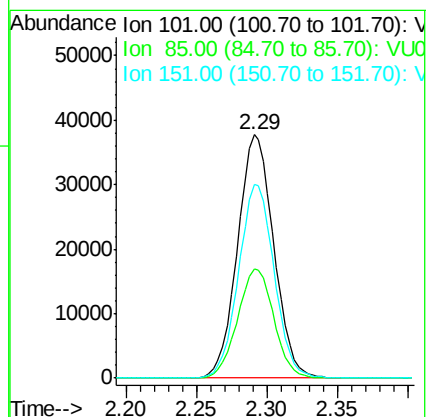
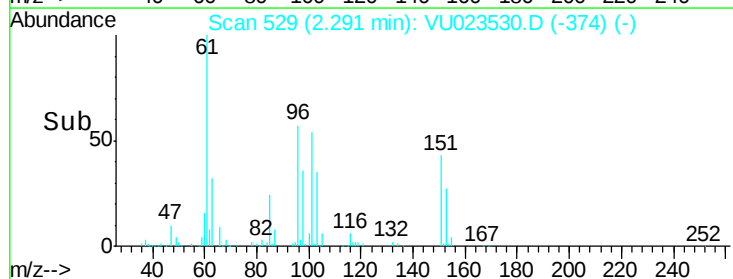
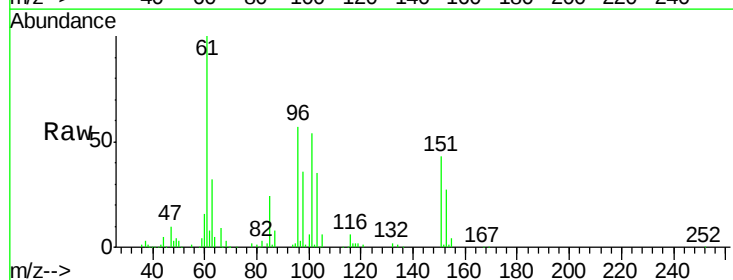
Tgt Ion:101 Resp: 67753

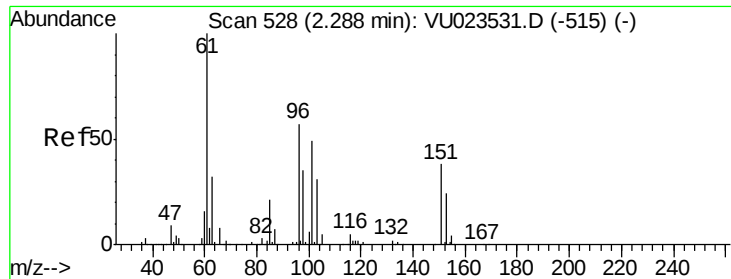
Ion Ratio Lower Upper

101 100

85 44.9 35.2 52.8

151 78.4 63.5 95.3





#9

1,1-Dichloroethene

Concen: 4.83 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

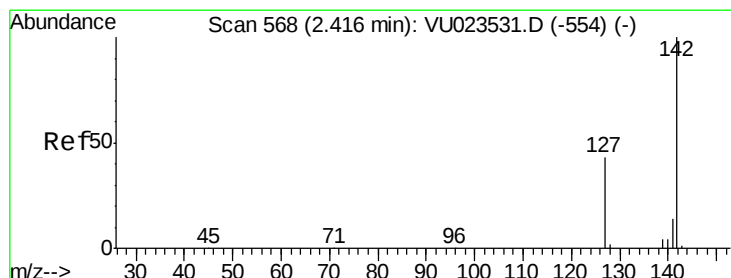
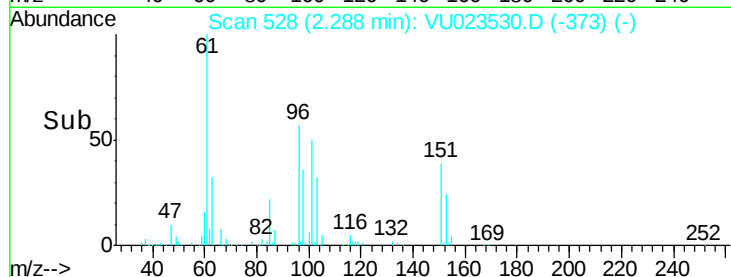
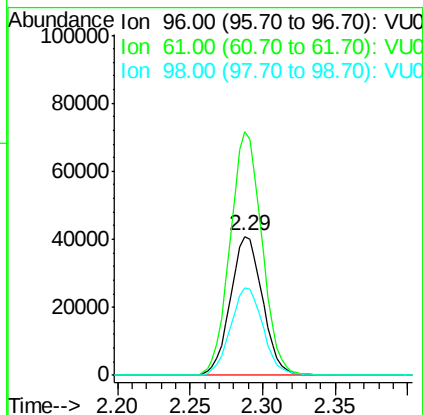
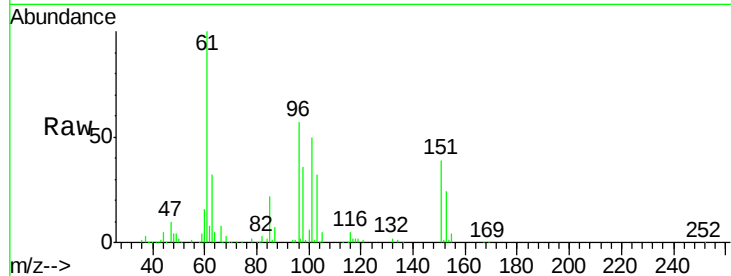
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	62750
Ion	Ratio	Lower	Upper
96	100		
61	174.8	0.0	526.5
98	62.5	0.0	123.4

Manual Integrations
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#10

Iodomethane

Concen: 5.37 ug/l

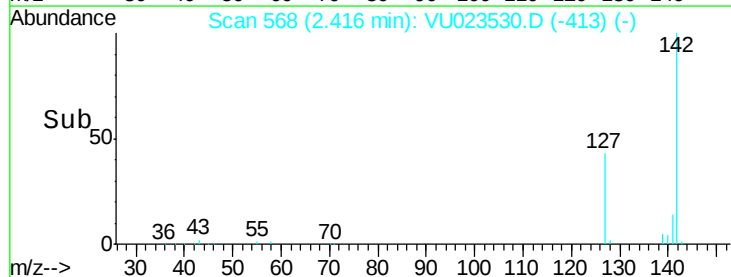
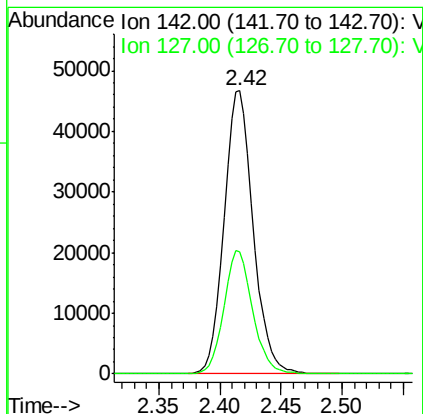
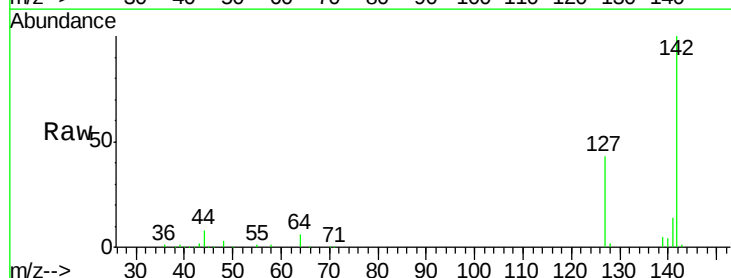
RT: 2.42 min Scan# 568

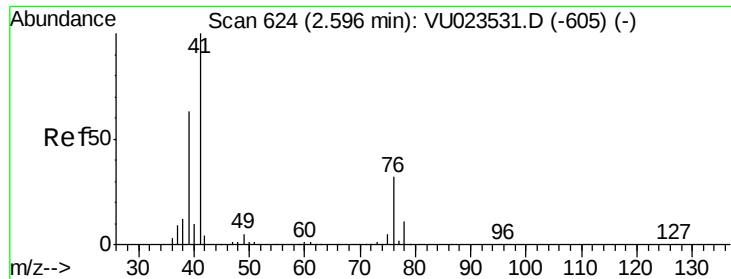
Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Tgt Ion:	142	Resp:	78220
Ion	Ratio	Lower	Upper
142	100		
127	42.8	34.5	51.7





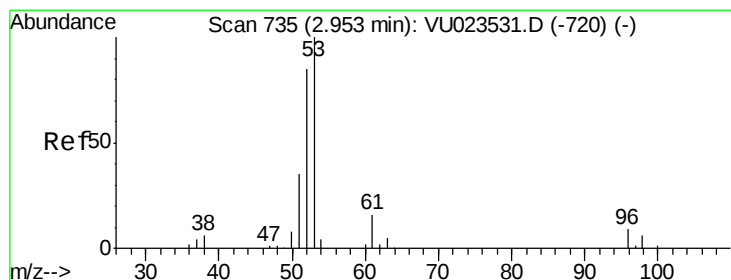
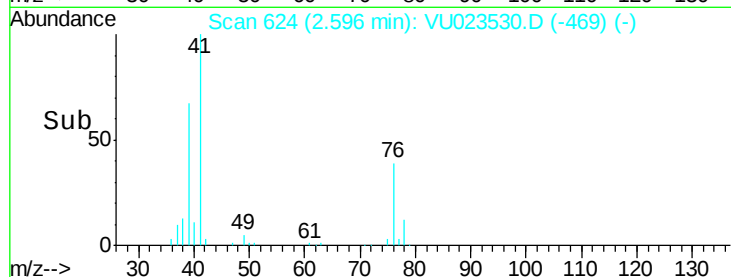
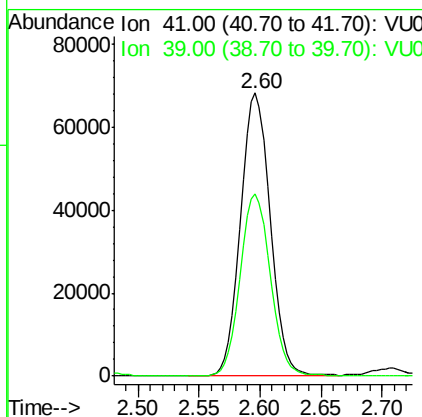
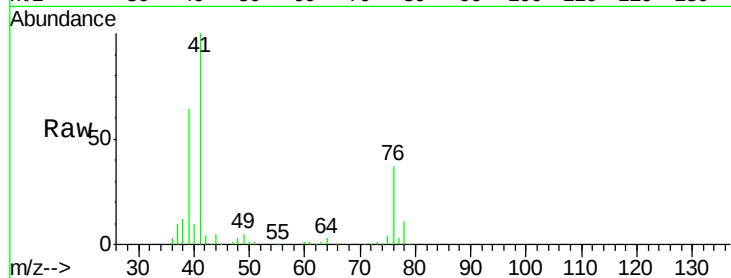
#11
Allvl Chloride
Concen: 5.53 ug/l
RT: 2.60 min Scan# 624
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.8	51.4	77.2

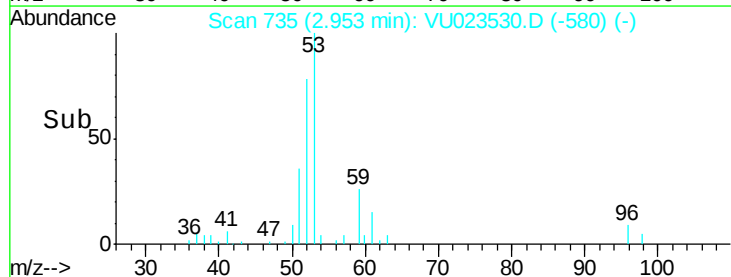
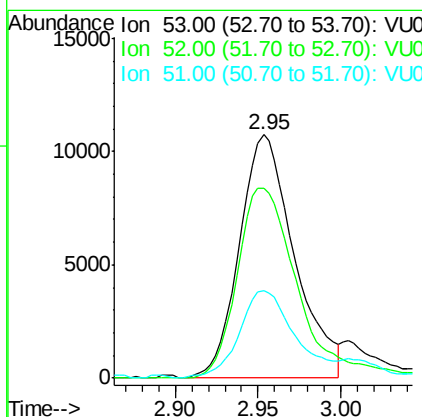
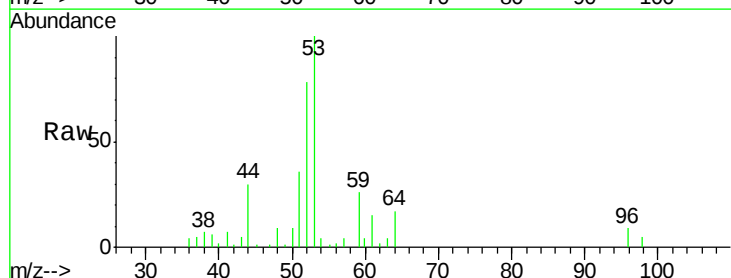
Manual Integrations
APPROVED

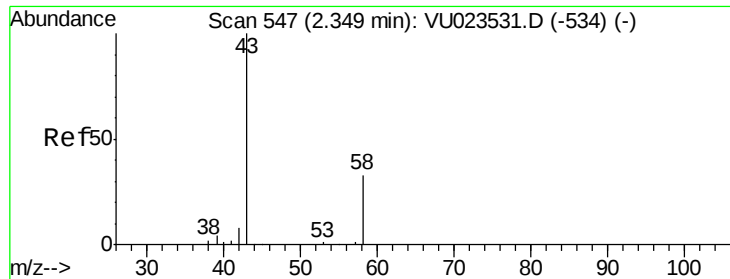
apatel
5/3/2018 4:49:01 PM



#12
Acrylonitrile
Concen: 8.41 ug/l
RT: 2.95 min Scan# 735
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
53	100		
52	86.8	65.1	97.7
51	36.3	30.2	45.4





#13

Acetone

Concen: 21.87 ug/l

RT: 2.35 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 51292

Ion Ratio Lower Upper

43 100

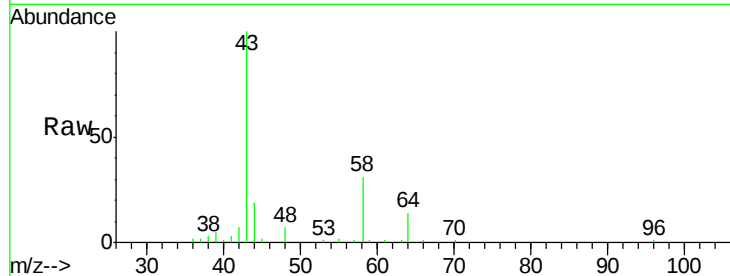
58 31.4 26.0 39.0

Manual Integrations

APPROVED

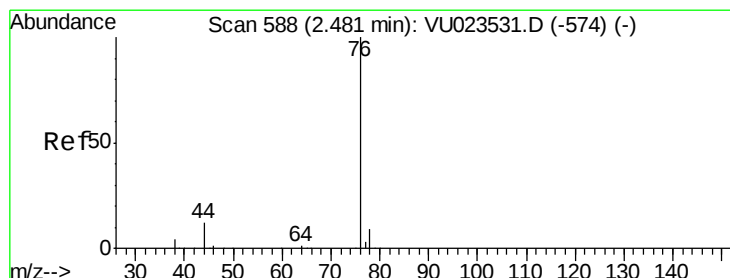
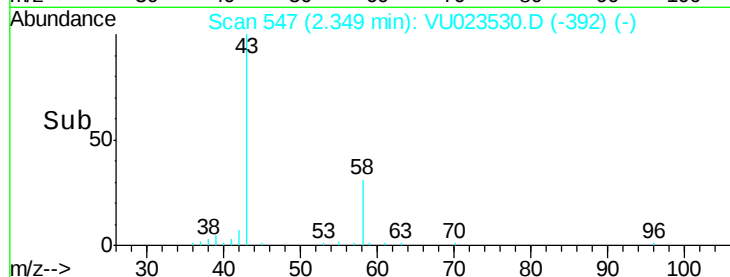
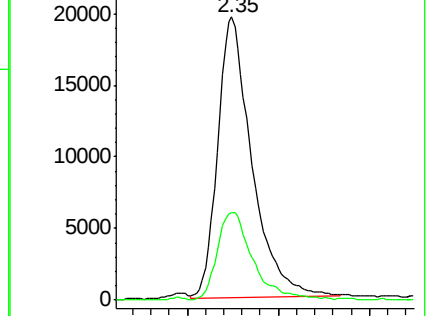
apatel

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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: 4.94 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU023530.D

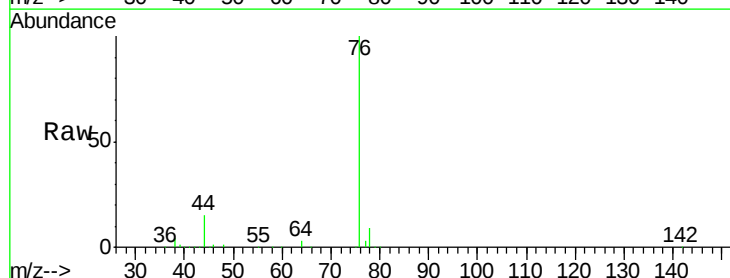
Acq: 30 Apr 2018 16:21

Tgt Ion: 76 Resp: 201495

Ion Ratio Lower Upper

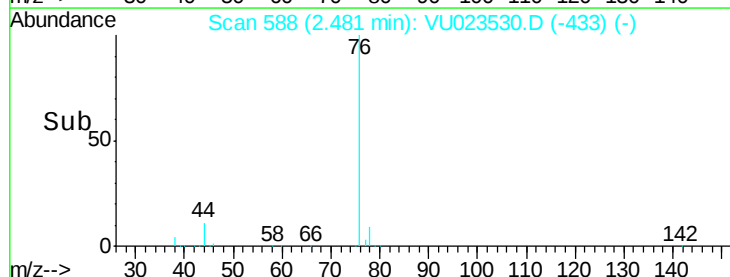
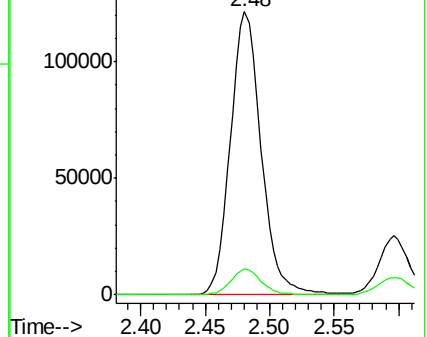
76 100

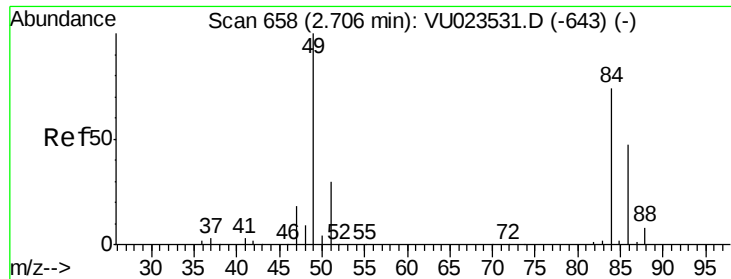
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





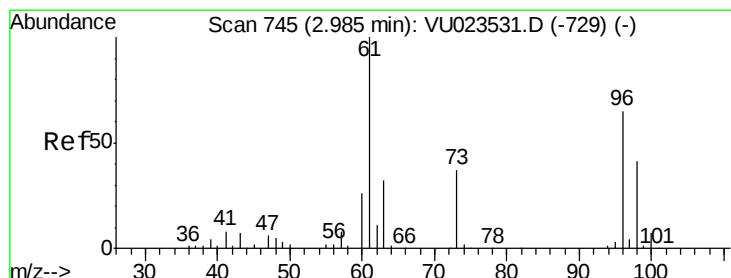
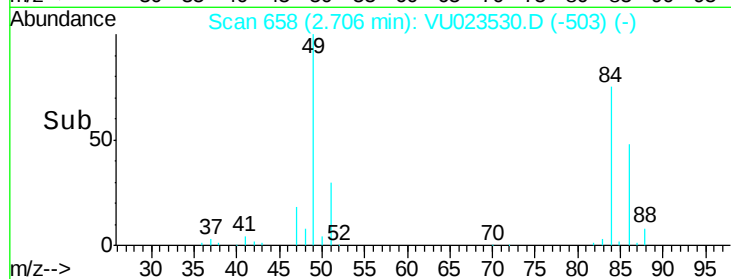
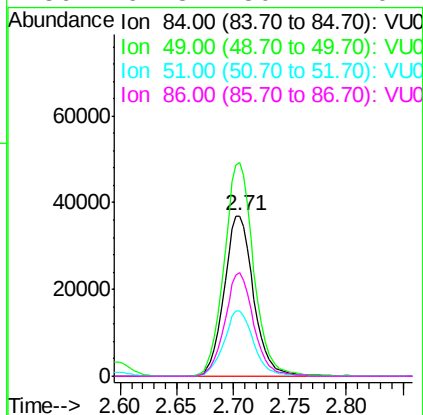
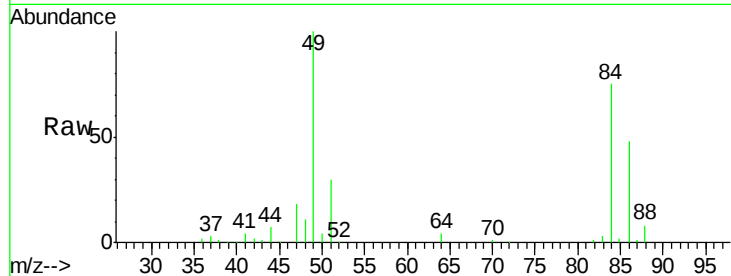
#15
Methvlene Chloride
Concen: 4.24 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	84	Resp:	66654
Ion	Ratio	Lower	Upper
84	100		
49	133.3	108.7	163.1
51	40.6	0.0	82.4
86	64.3	50.7	76.1

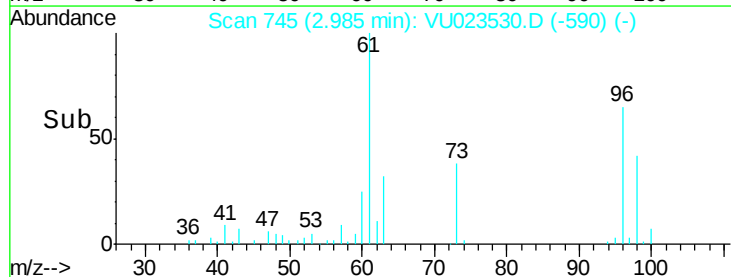
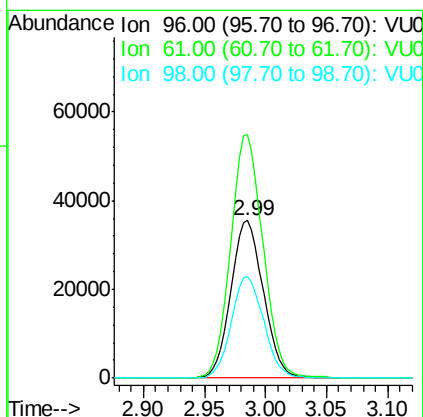
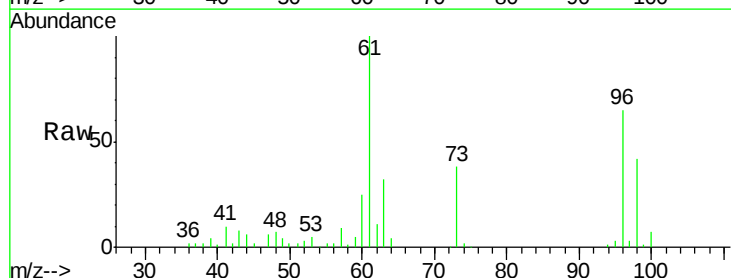
Manual Integrations
APPROVED

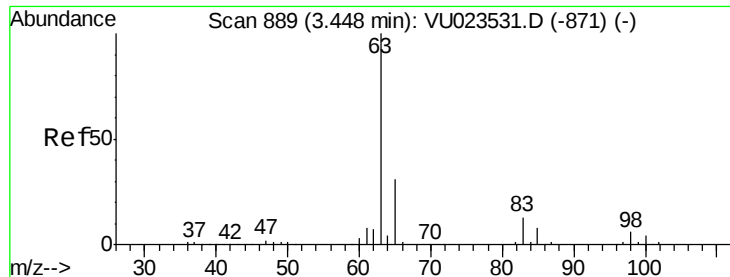
apatel
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#16
trans-1,2-Dichloroethene
Concen: 4.70 ug/l
RT: 2.99 min Scan# 745
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion:	96	Resp:	66033
Ion	Ratio	Lower	Upper
96	100		
61	154.7	123.9	185.9
98	64.7	50.6	76.0





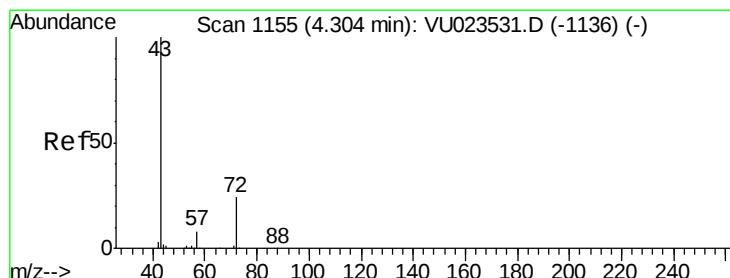
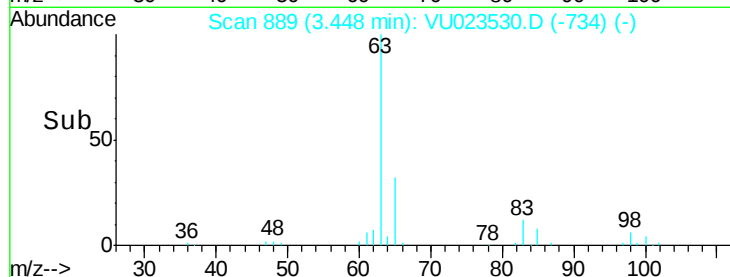
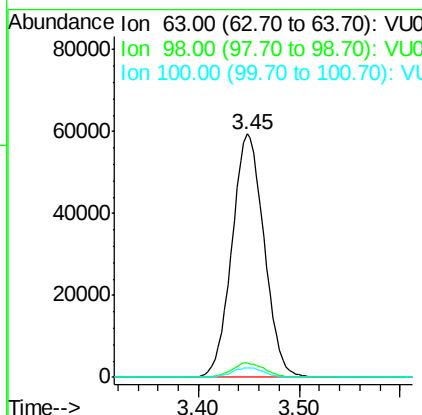
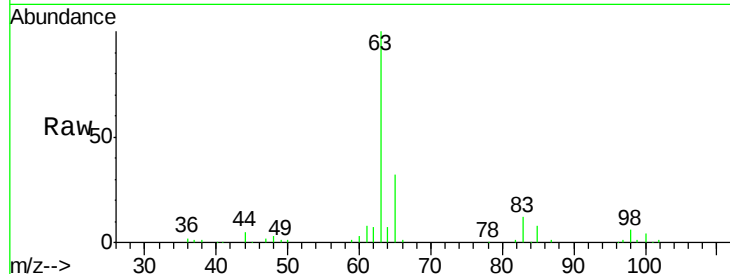
#17
 1,1-Dichloroethane
 Concen: 5.00 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	63	Resp:	131364
Ion Ratio	Lower	Upper	
63	100		
98	5.8	2.9	8.8
100	4.1	2.0	5.8

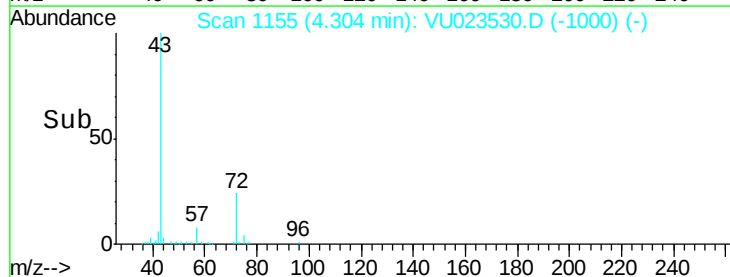
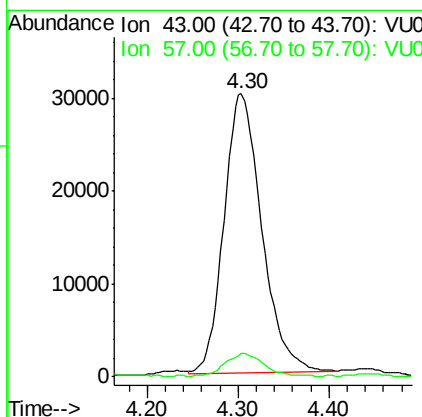
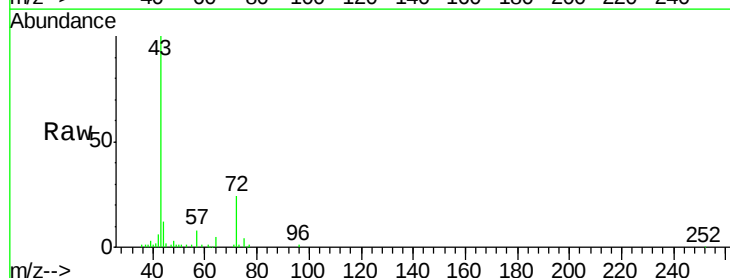
Manual Integrations
 APPROVED

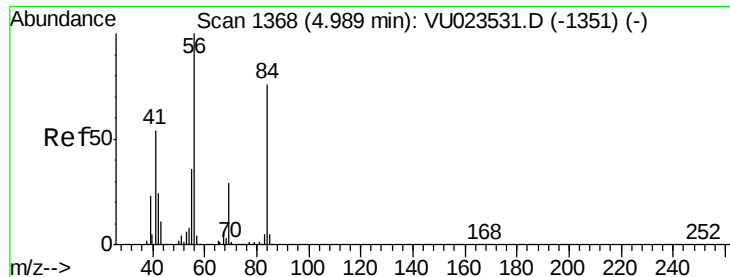
apatel
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#18
 2-Butanone
 Concen: 24.34 ug/l
 RT: 4.30 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion:	43	Resp:	87296
Ion Ratio	Lower	Upper	
43	100		
57	8.3	0.0	15.8





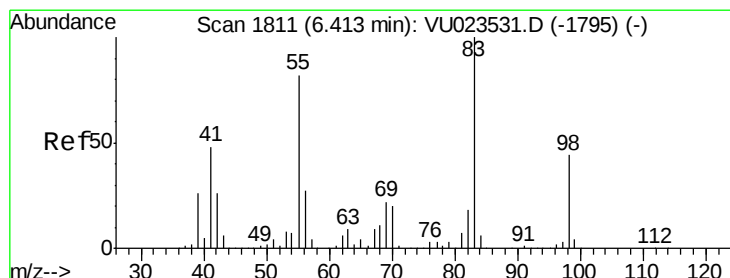
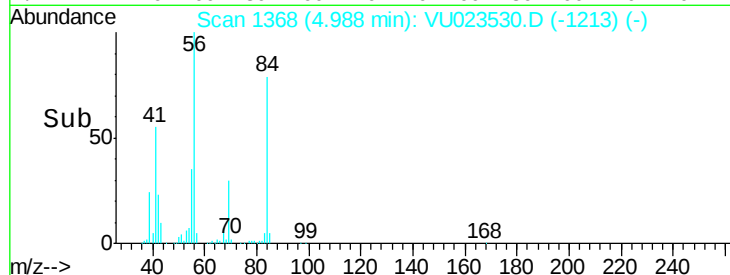
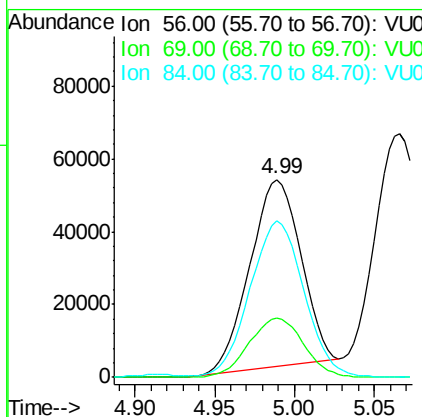
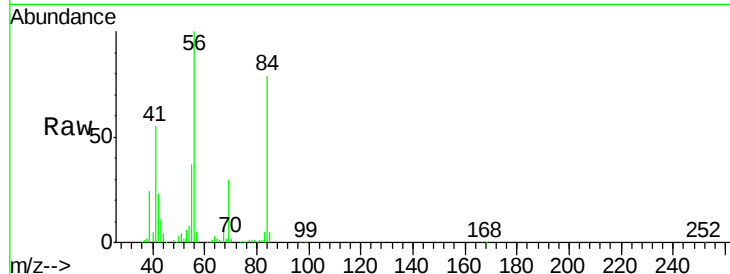
#19
Cyclohexane
Concen: 5.97 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.0	39.0
84	87.2	68.3	102.5

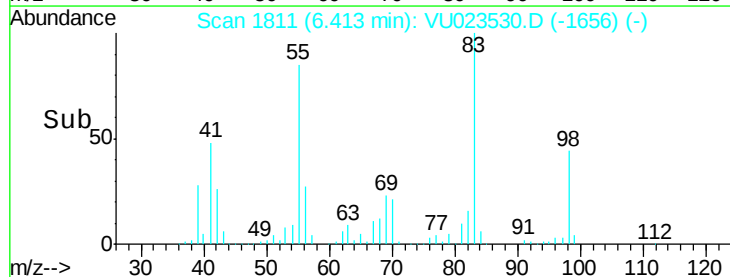
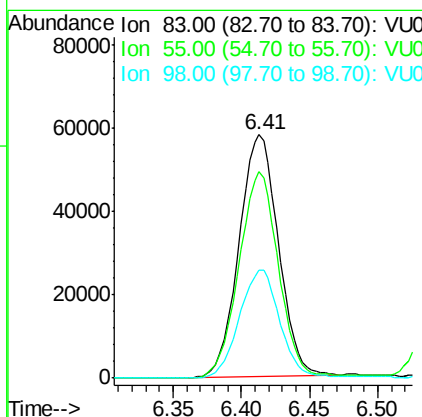
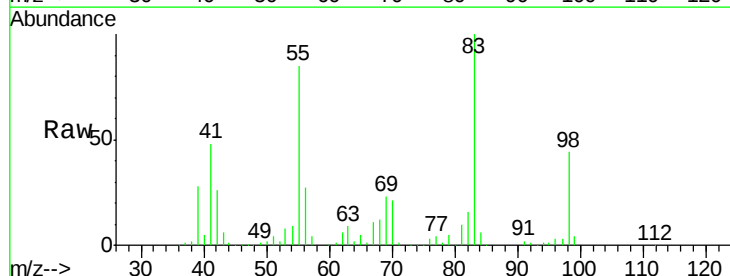
Manual Integrations
APPROVED

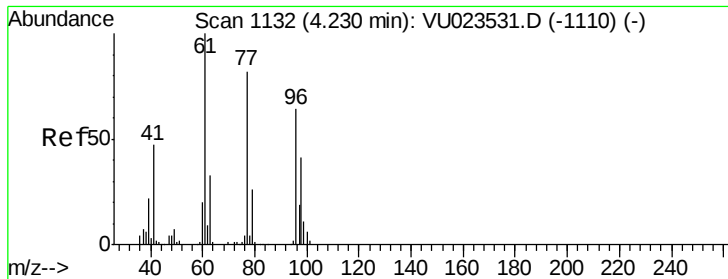
apatel
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#20
Methylcyclohexane
Concen: 5.29 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.2	66.4	99.6
98	45.1	35.4	53.2





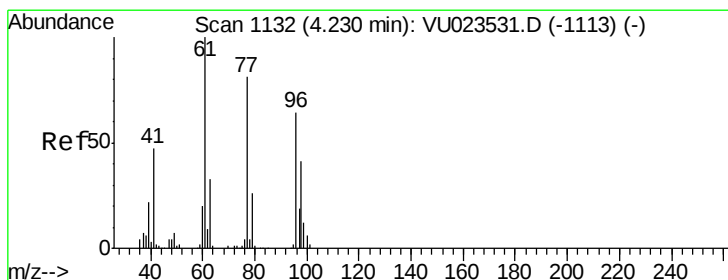
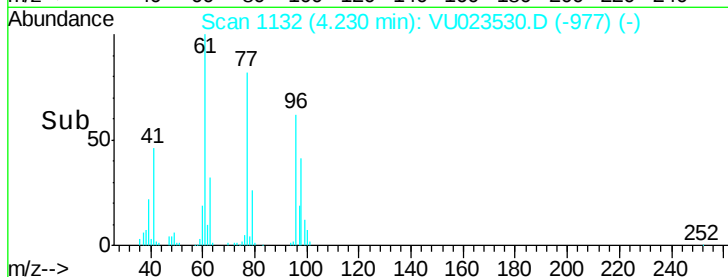
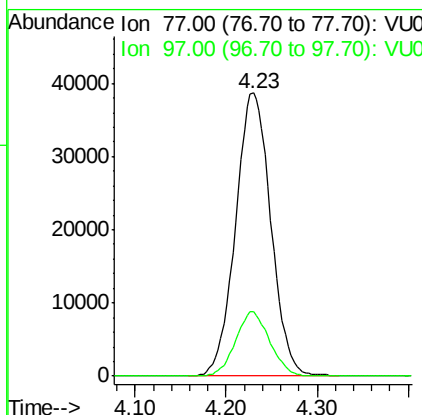
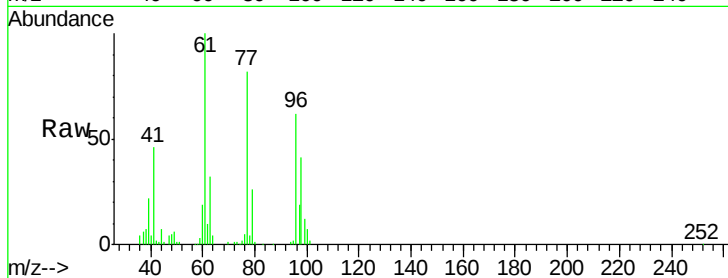
#21
2,2-Dichloropropane
Concen: 5.41 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 77 Resp: 104043
Ion Ratio Lower Upper
77 100
97 22.0 17.9 26.9

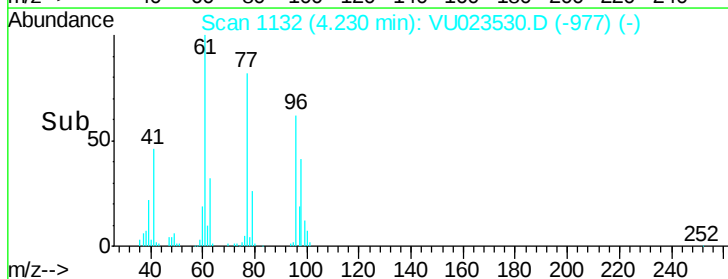
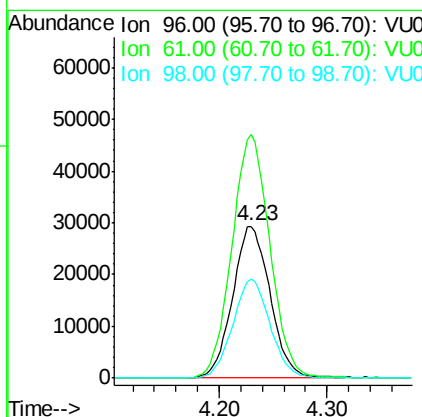
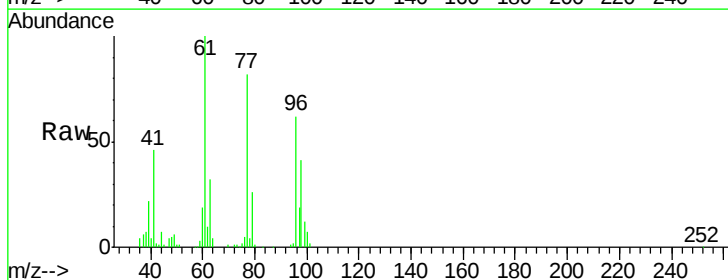
Manual Integrations
APPROVED

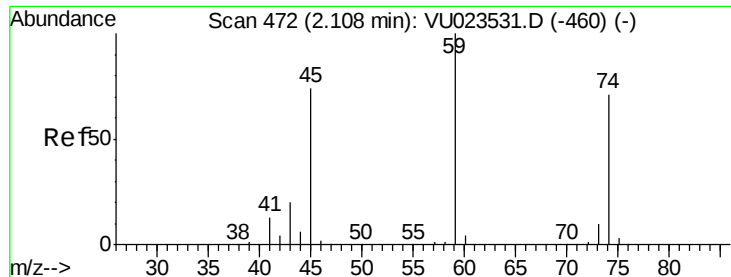
apatel
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#22
cis-1,2-Dichloroethene
Concen: 4.53 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion: 96 Resp: 70857
Ion Ratio Lower Upper
96 100
61 162.8 0.0 400.5
98 65.0 32.2 96.6





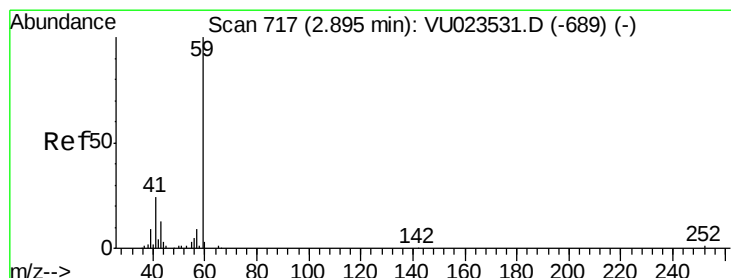
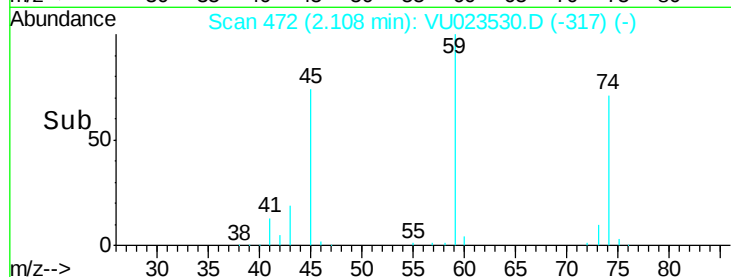
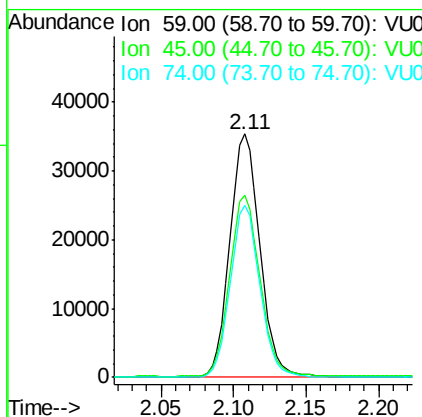
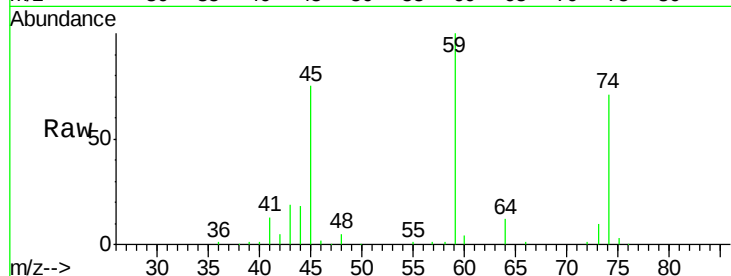
#23
Diethyl Ether
Concen: 4.82 ug/l
RT: 2.11 min Scan# 472
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	59	Resp:	51161
Ion	Ratio	Lower	Upper
59	100		
45	75.3	60.0	90.0
74	69.1	56.5	84.7

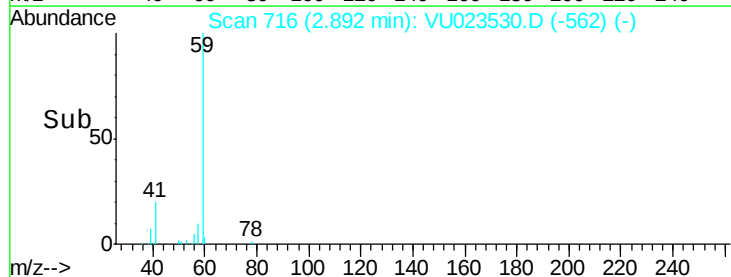
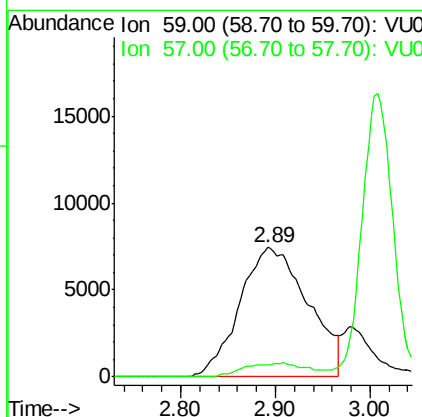
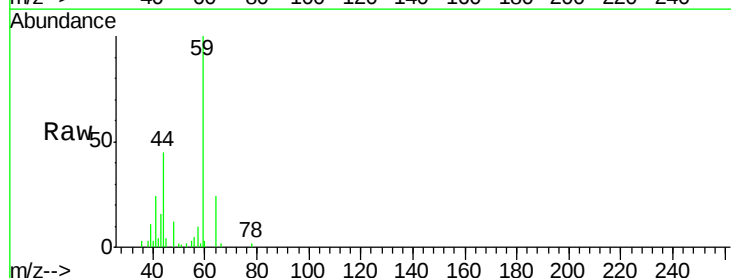
Manual Integrations
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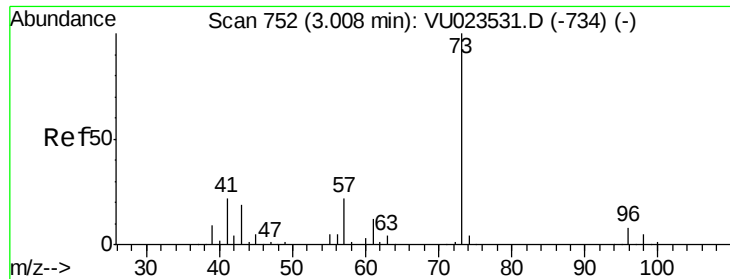
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#24
tert-Butyl Alcohol
Concen: 36.11 ug/l
RT: 2.89 min Scan# 716
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion:	59	Resp:	37294
Ion	Ratio	Lower	Upper
59	100		
57	4.5	3.4	5.2





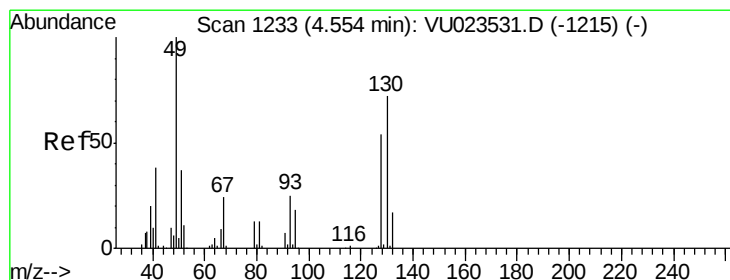
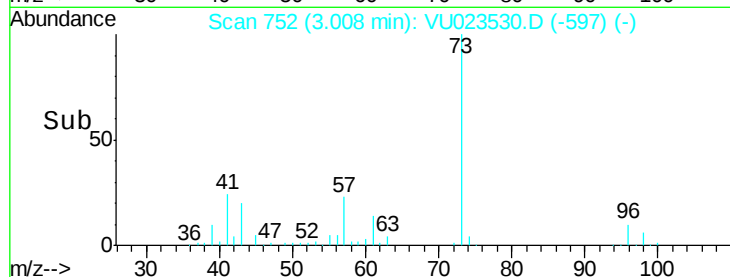
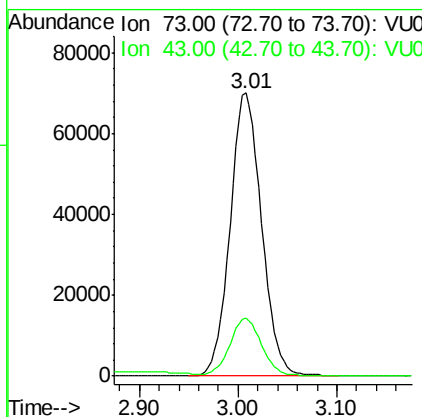
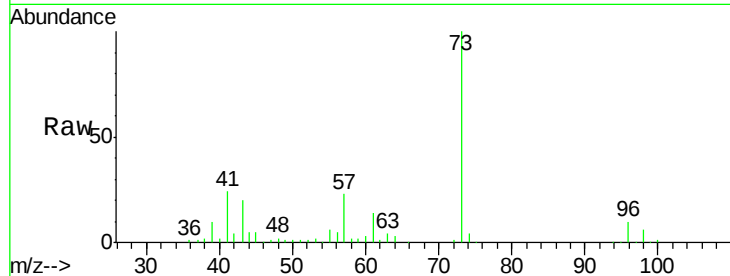
#25
Methvl tert-Butvl Ether
Concen: 4.73 ug/l
RT: 3.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.4	16.2	24.2

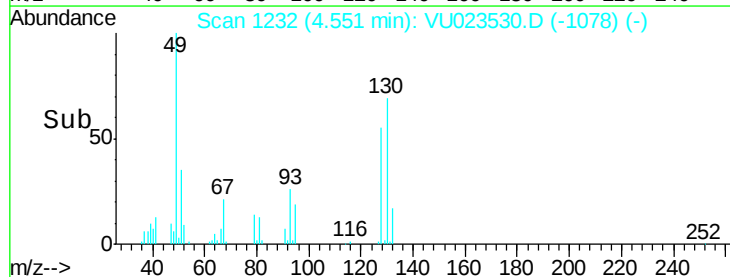
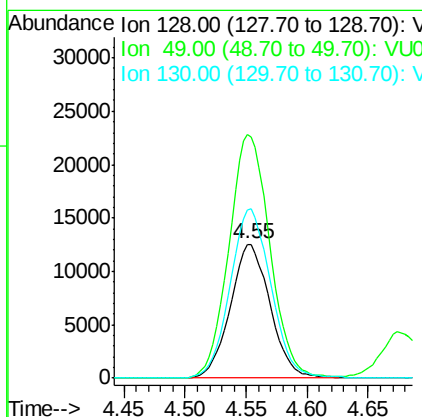
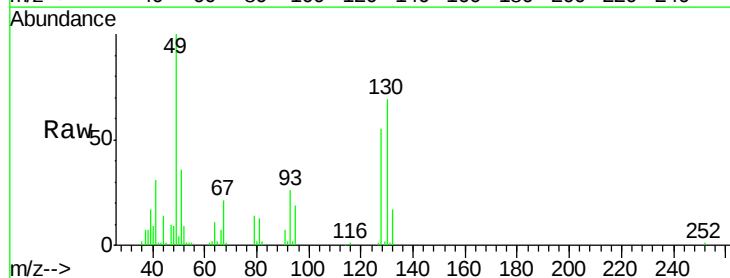
Manual Integrations
APPROVED

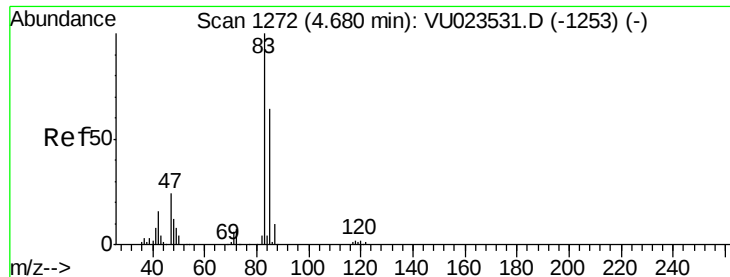
apatel
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#26
Bromochloromethane
Concen: 4.14 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
128	100		
49	187.0	0.0	375.2
130	129.7	105.8	158.6





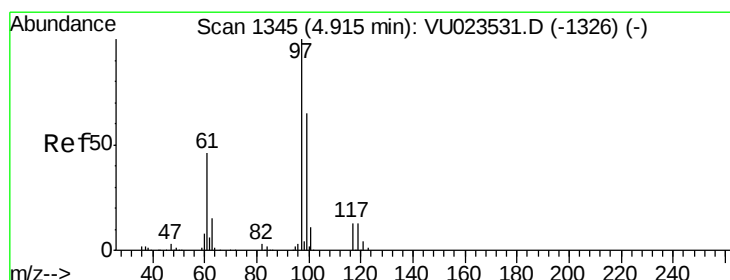
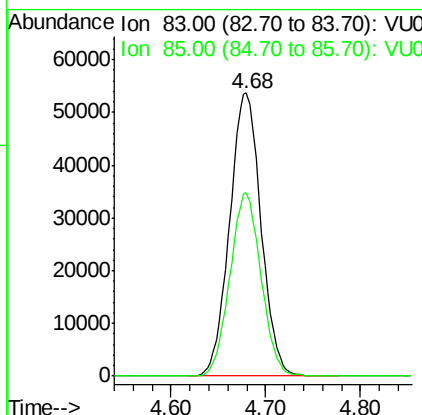
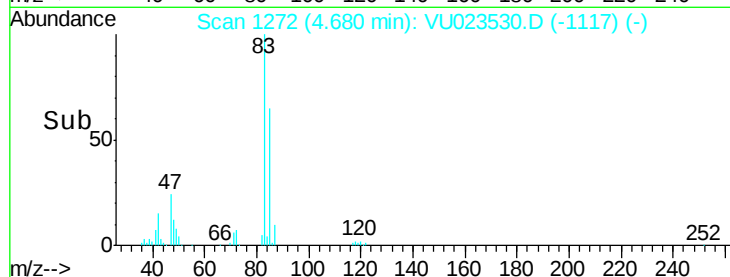
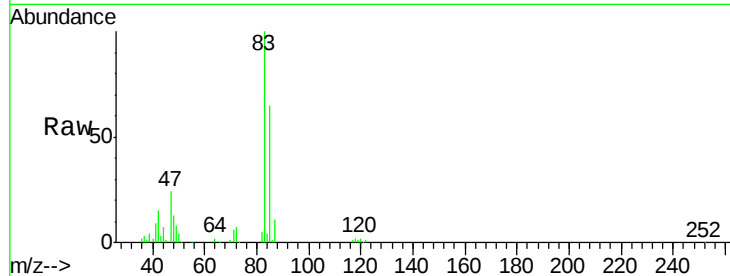
#27
Chloroform
Concen: 4.72 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	123612		
85	65.0	0.0	128.4	

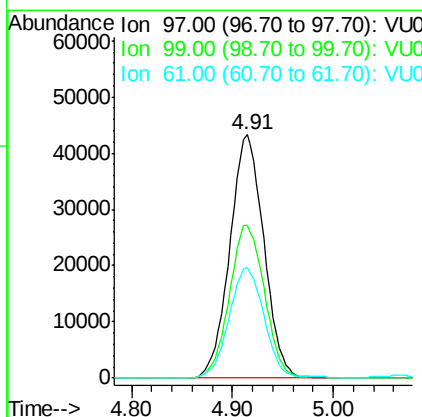
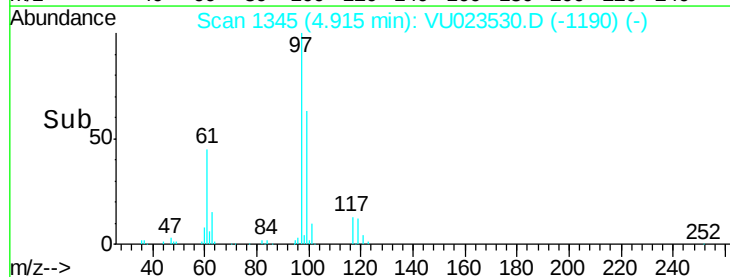
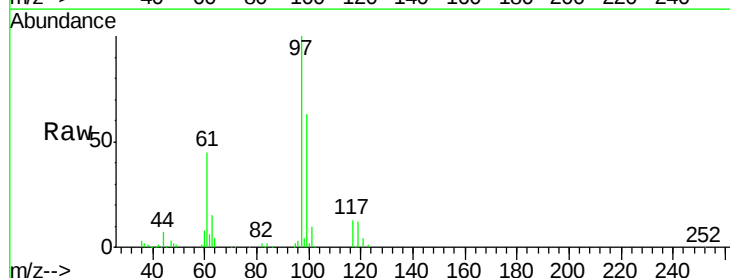
Manual Integrations
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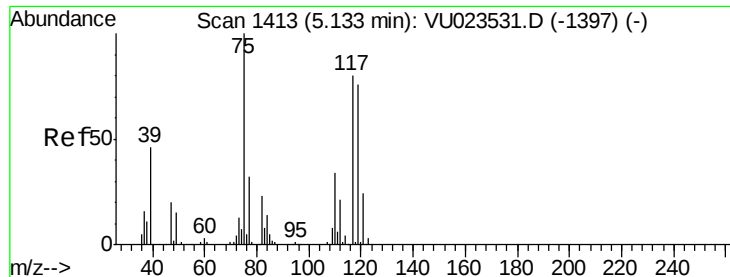
apatel
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#28
1,1,1-Trichloroethane
Concen: 5.04 ug/l
RT: 4.91 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	101342		
99	64.5	32.3	96.9	
61	46.4	23.2	69.5	





#29

1,1-Dichloropropene

Concen: 5.02 ug/l

RT: 5.13 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 99529

Ion Ratio Lower Upper

75 100

110 34.4 16.9 50.7

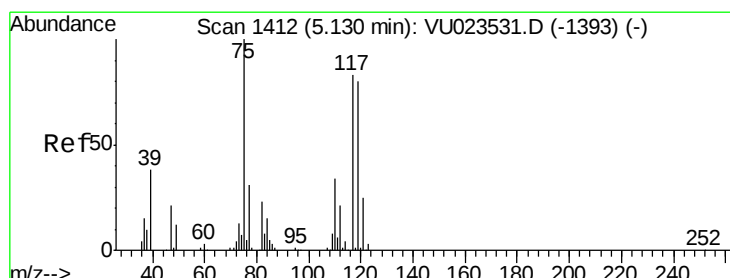
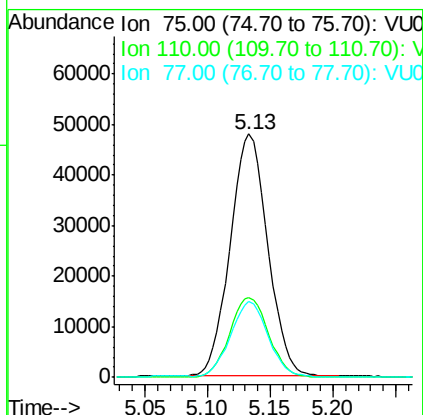
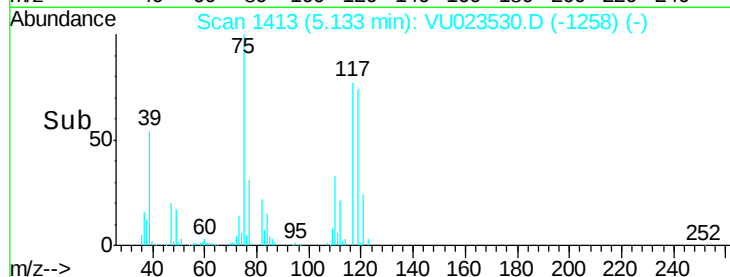
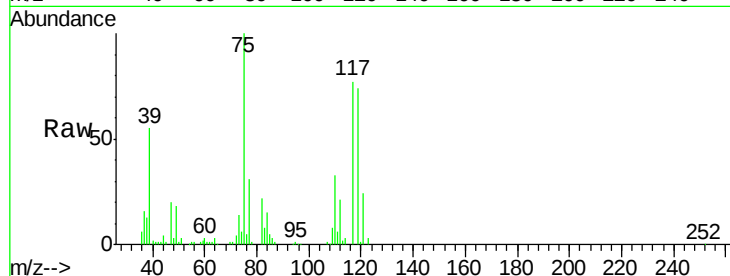
77 30.7 24.8 37.2

Manual Integrations

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#30

Carbon Tetrachloride

Concen: 5.08 ug/l

RT: 5.13 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

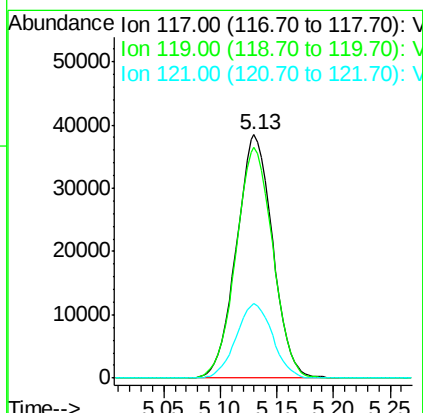
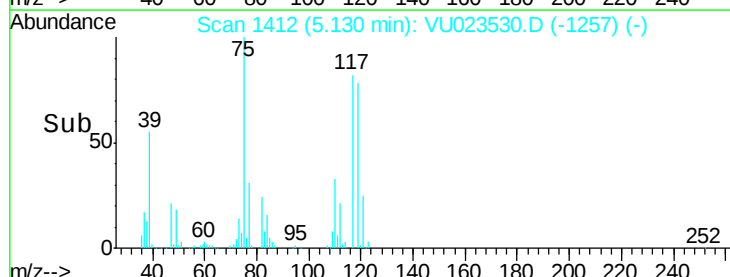
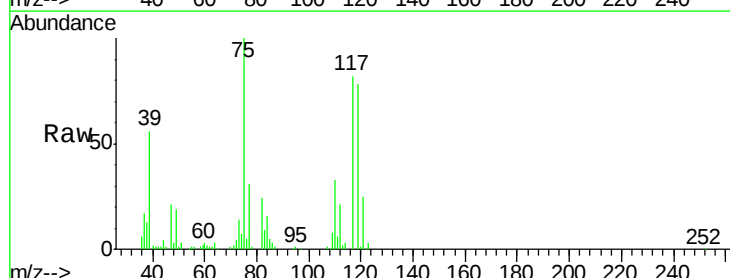
Tgt Ion: 117 Resp: 85670

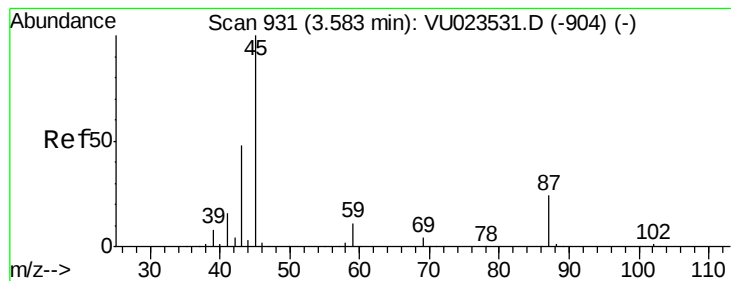
Ion Ratio Lower Upper

117 100

119 94.8 77.3 115.9

121 30.5 24.5 36.7





#31

Isopropyl Ether

Concen: 5.46 ug/l

RT: 3.58 min Scan# 931

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleID :

VSTDIC005

Tot Ion: 45 Resp: 218793

Ion Ratio Lower Upper

45 100

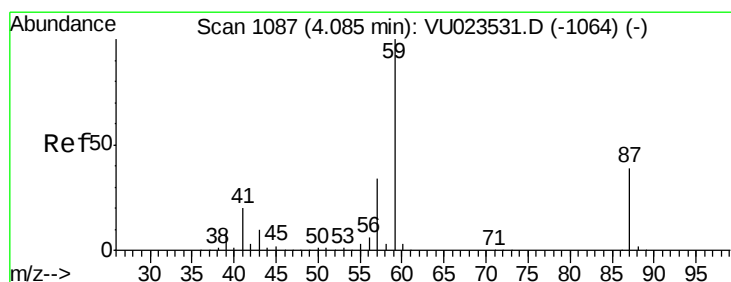
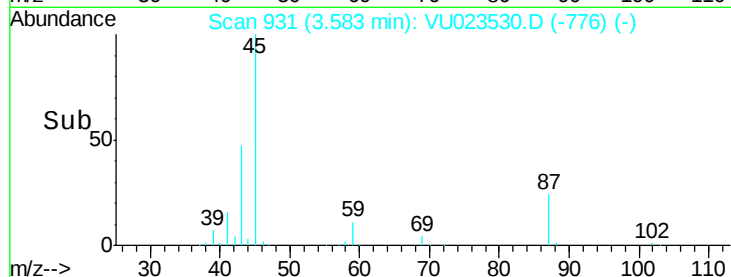
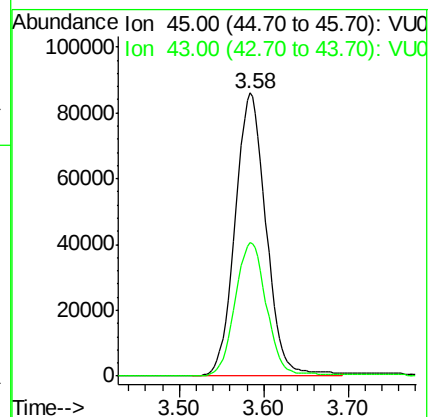
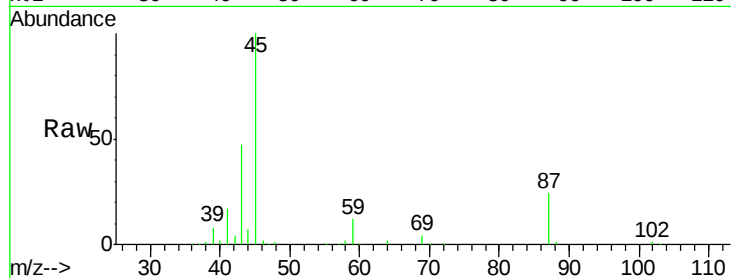
43 49.1 24.0 72.0

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 5.15 ug/l

RT: 4.08 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VU023530.D

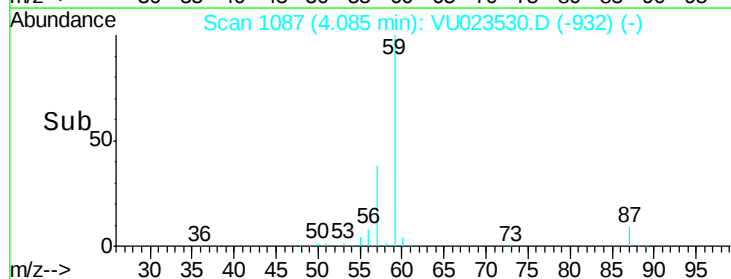
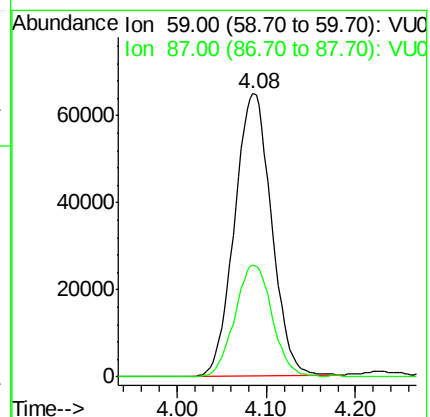
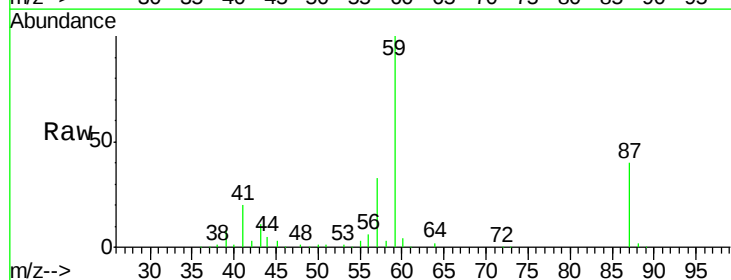
Acq: 30 Apr 2018 16:21

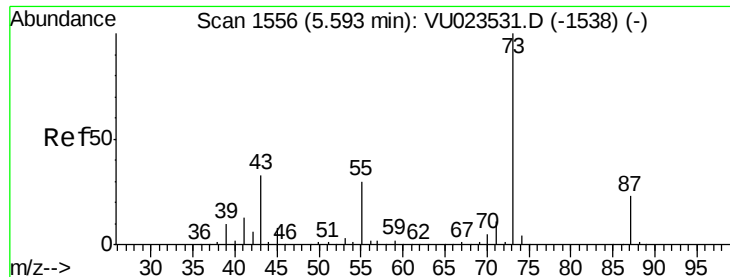
Tgt Ion: 59 Resp: 186010

Ion Ratio Lower Upper

59 100

87 39.6 31.0 46.6





#33

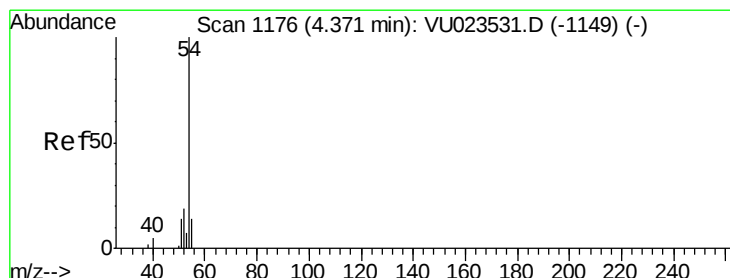
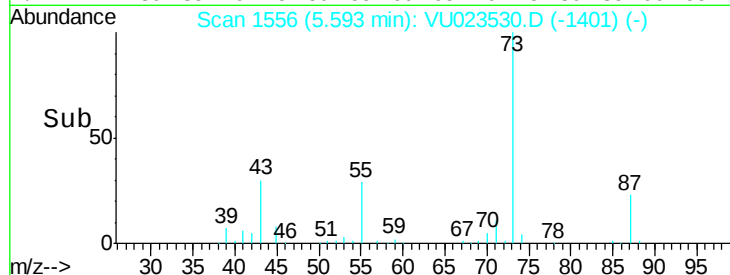
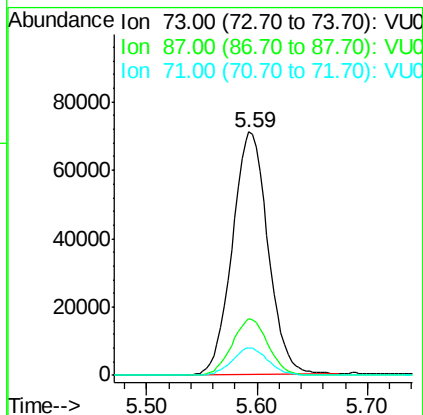
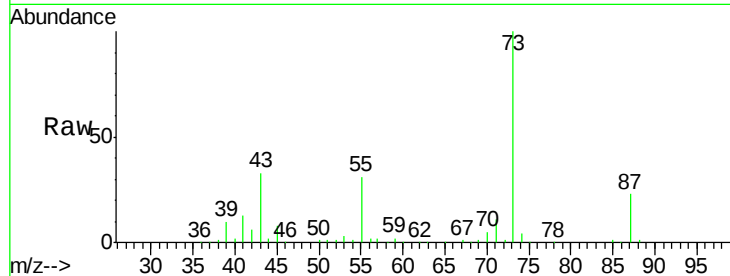
Tert-Butyl methyl ether
Concen: 5.07 ug/l
RT: 5.59 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.4	18.6	28.0
71	11.5	9.3	13.9

Manual Integrations
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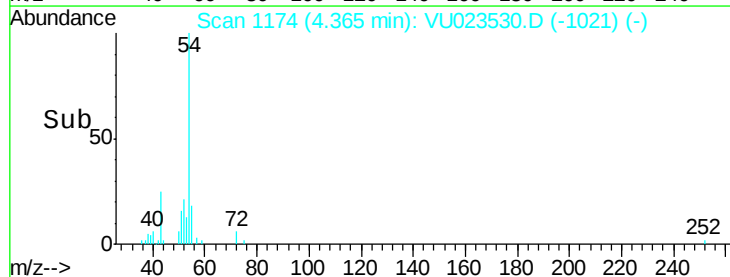
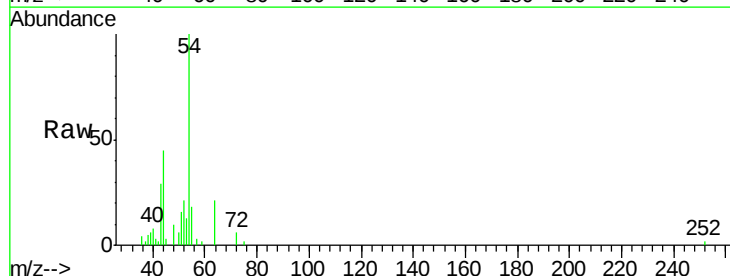
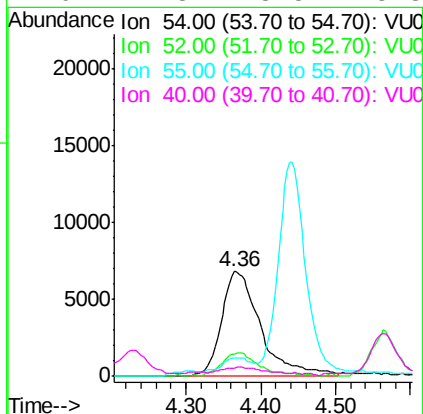
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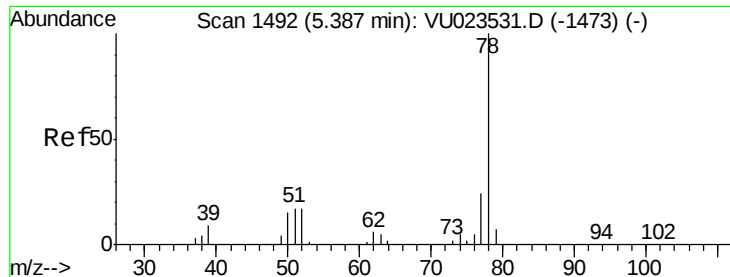


#34

Propionitrile
Concen: 22.65 ug/l
RT: 4.36 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.3	13.7	20.5
55	12.9	10.2	15.2
40	4.8	3.5	5.3





#35

Benzene

Concen: 5.14 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 78 Resp: 308638

Ion Ratio Lower Upper

78 100

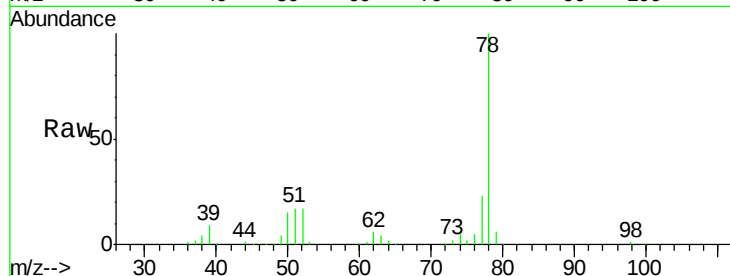
77 23.3 19.1 28.7

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU023530.D (-1337) (-)

Ion 77.00 (76.70 to 77.70): VU023530.D (-1337) (-)

5.39

150000

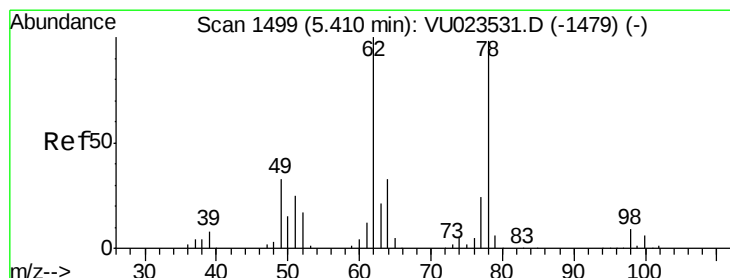
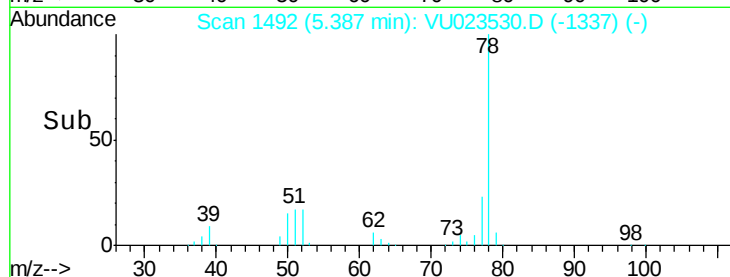
100000

50000

0

5.30 5.40 5.50

Time-->



#36

1,2-Dichloroethane

Concen: 5.24 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU023530.D

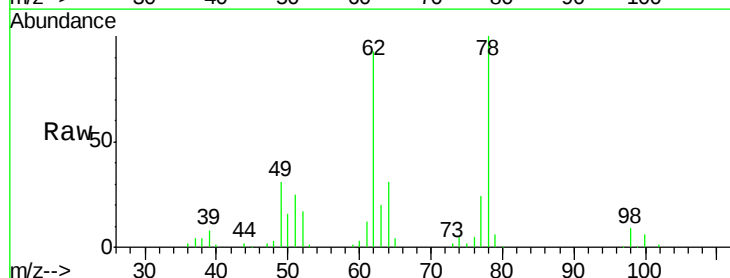
Acq: 30 Apr 2018 16:21

Tgt Ion: 62 Resp: 83390

Ion Ratio Lower Upper

62 100

98 9.0 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU023530.D (-1344) (-)

Ion 98.00 (97.70 to 98.70): VU023530.D (-1344) (-)

5.41

40000

30000

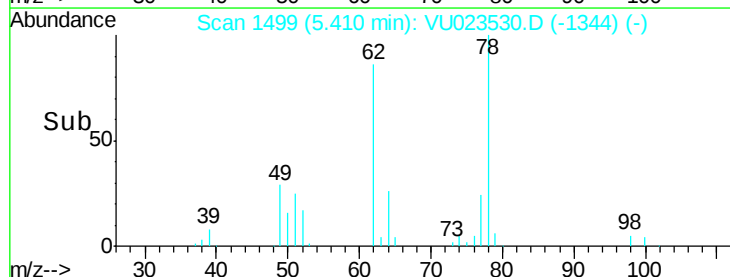
20000

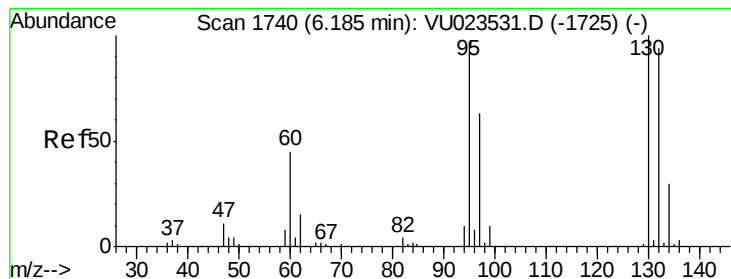
10000

0

5.30 5.40 5.50

Time-->





#37

Trichloroethene

Concen: 4.89 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 78286

Ion Ratio Lower Upper

130 100

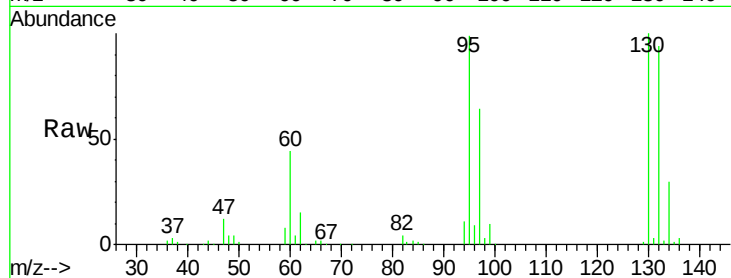
95 98.7 77.9 116.9

Manual Integrations

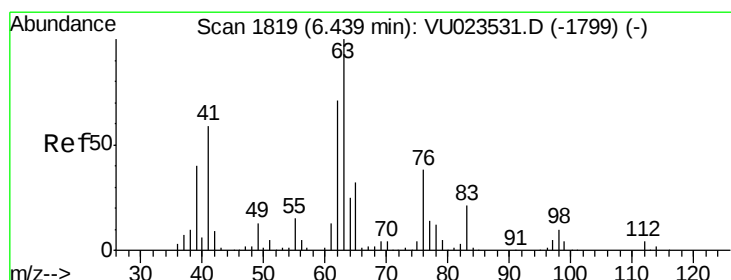
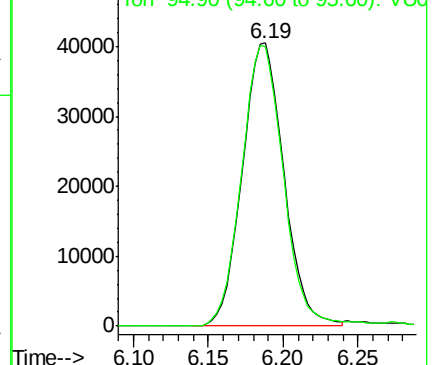
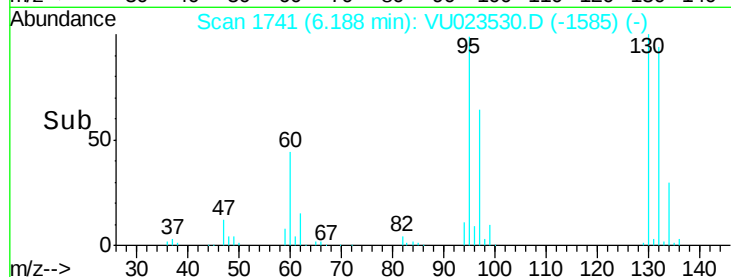
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Abundance Ion 129.90 (129.60 to 130.60): VU023530.D (-1585) (-)



#38

1,2-Dichloropropane

Concen: 5.34 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU023530.D

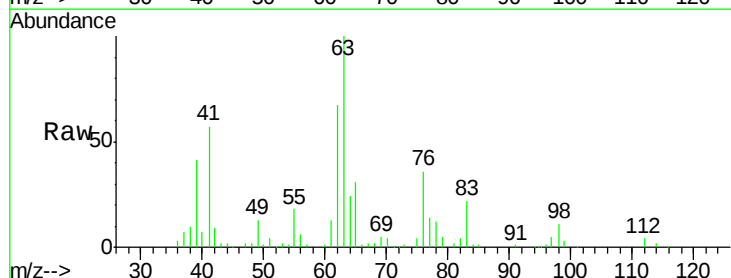
Acq: 30 Apr 2018 16:21

Tgt Ion: 63 Resp: 81492

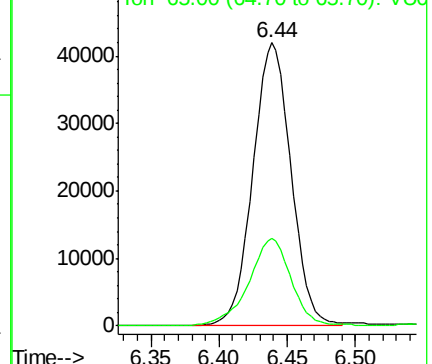
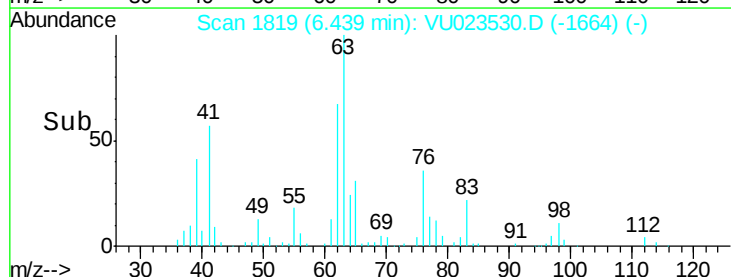
Ion Ratio Lower Upper

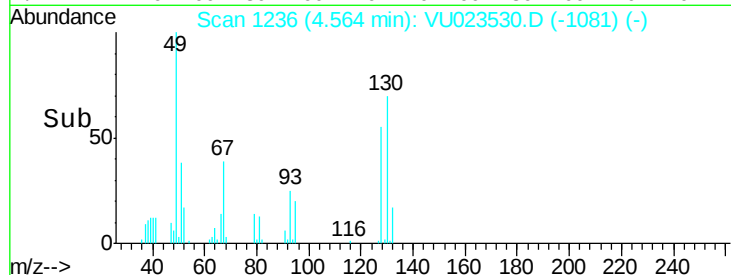
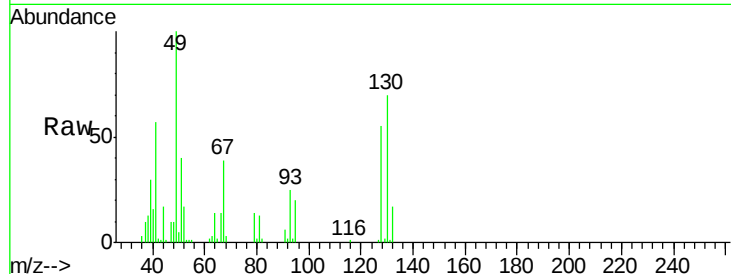
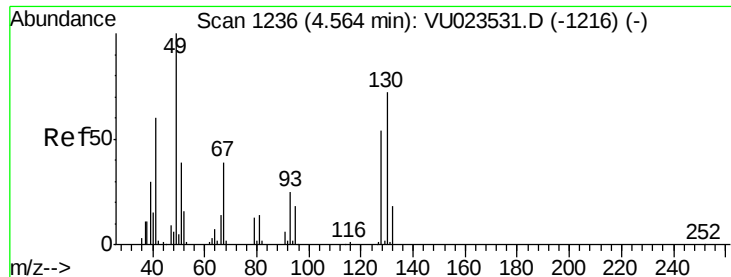
63 100

65 30.8 25.8 38.8



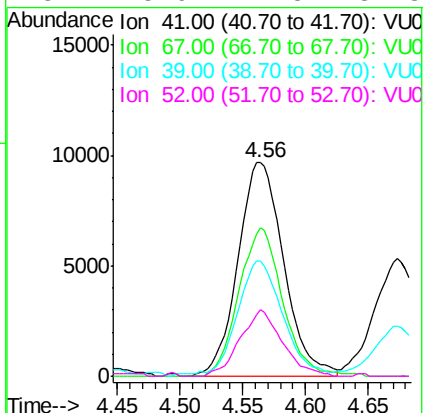
Abundance Ion 63.00 (62.70 to 63.70): VU023530.D (-1664) (-)





#39
Methacrylonitrile
Concen: 5.47 ug/l
RT: 4.56 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

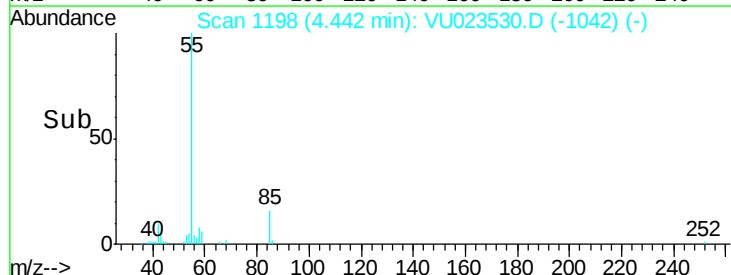
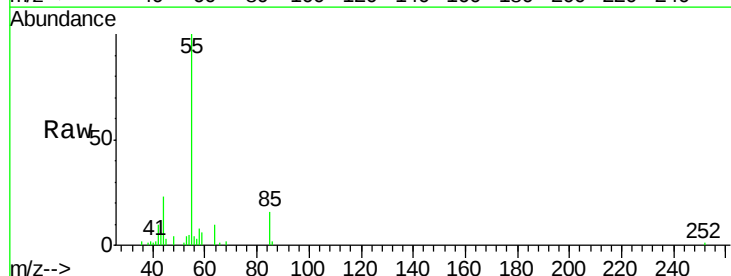
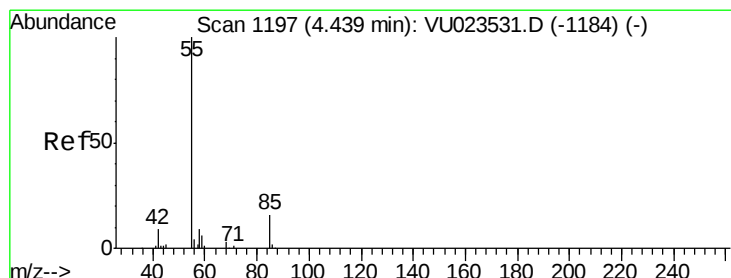
Tot Ion	41	Resp	24631
Ion	Ratio	Lower	Upper
41	100		
67	66.5	51.3	76.9
39	50.4	40.6	60.8
52	28.6	21.5	32.3



Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

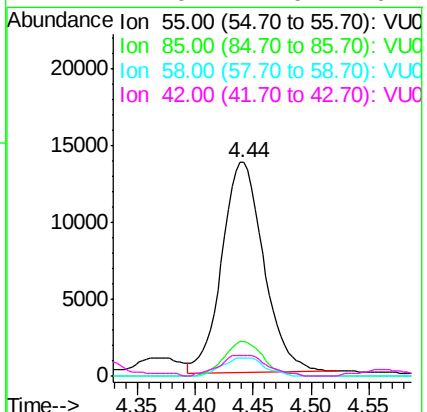
Manual Integrations
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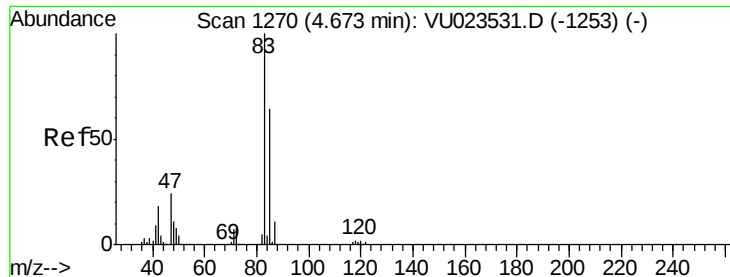
apatel
5/3/2018 4:49:01 PM



#40
Methyl acrylate
Concen: 5.06 ug/l
RT: 4.44 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion	55	Resp	34467
Ion	Ratio	Lower	Upper
55	100		
85	15.5	12.3	18.5
58	8.7	7.0	10.6
42	11.0	7.0	10.4#





#41

Tetrahydrofuran

Concen: 9.51 ug/l

RT: 4.67 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

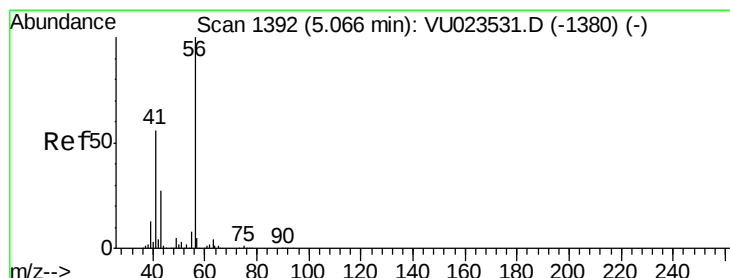
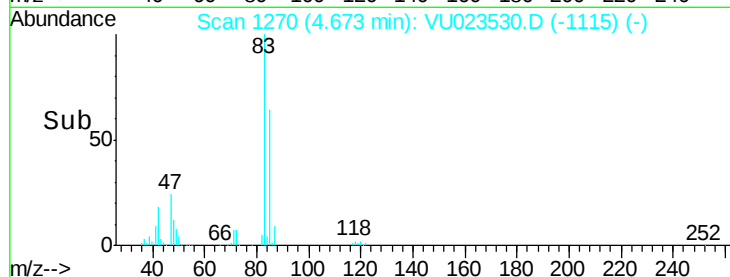
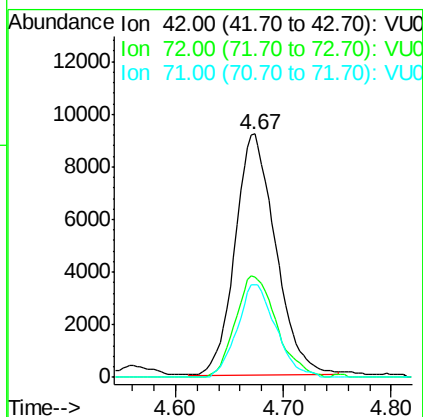
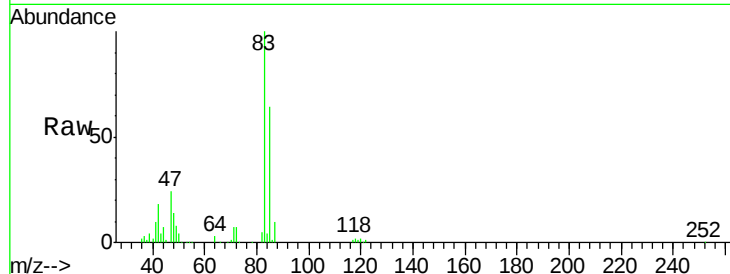
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	23877
Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.2	49.8
71	36.7	29.8	44.8

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#42

1-Chlorobutane

Concen: 5.39 ug/l

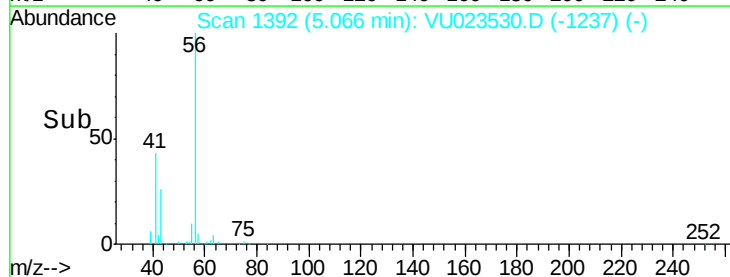
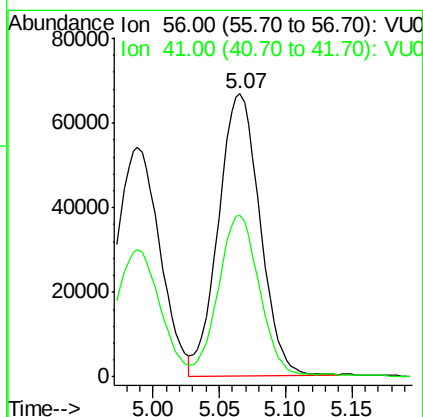
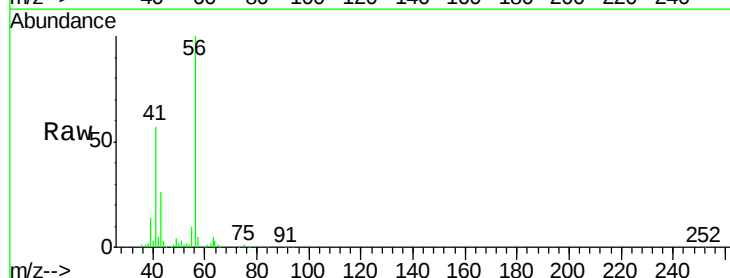
RT: 5.07 min Scan# 1392

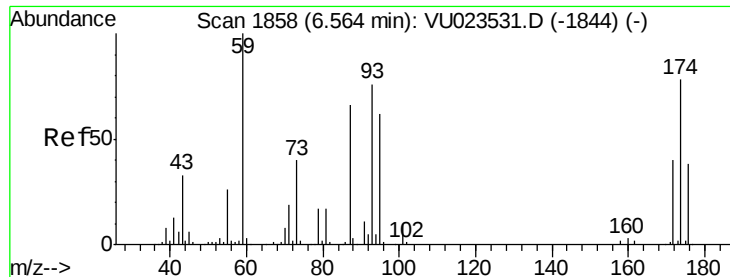
Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Tgt Ion:	56	Resp:	143978
Ion	Ratio	Lower	Upper
56	100		
41	55.6	27.5	82.5





#43

Dibromomethane

Concen: 4.79 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 93 Resp: 34633

Ion Ratio Lower Upper

93 100

95 83.6 67.2 100.8

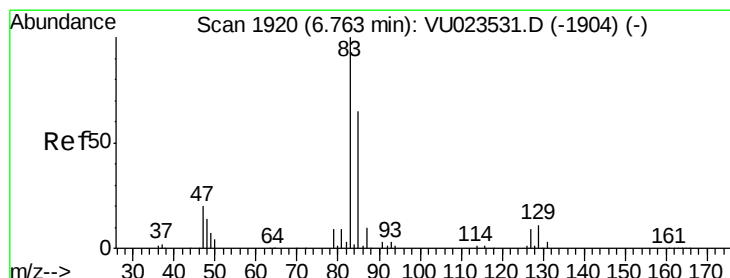
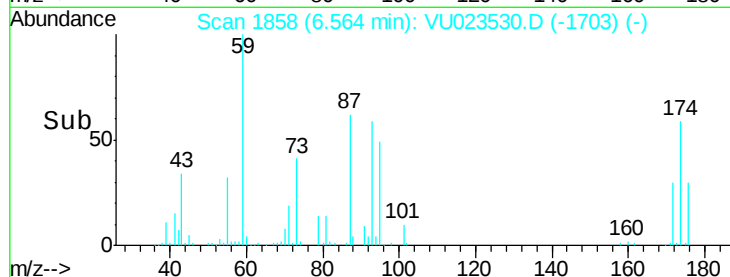
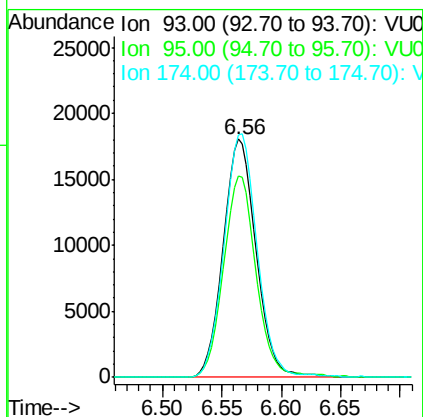
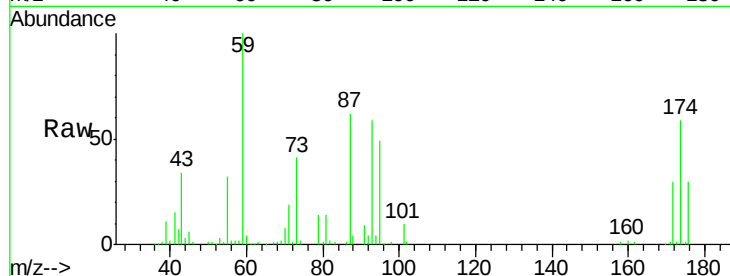
174 102.4 82.8 124.2

Manual Integrations

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#44

Bromodichloromethane

Concen: 5.22 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

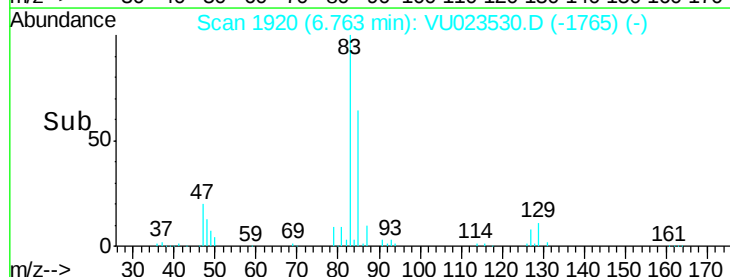
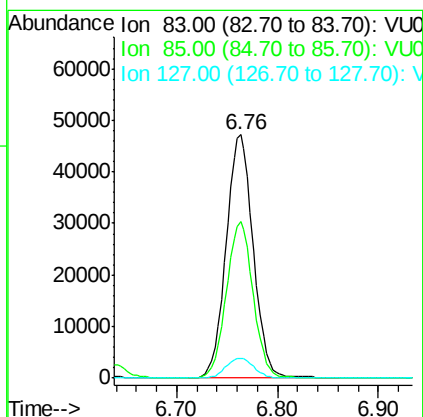
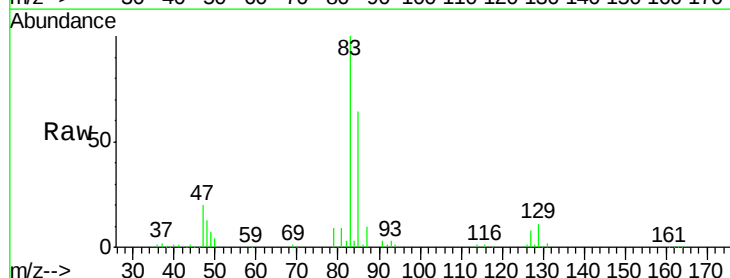
Tgt Ion: 83 Resp: 88302

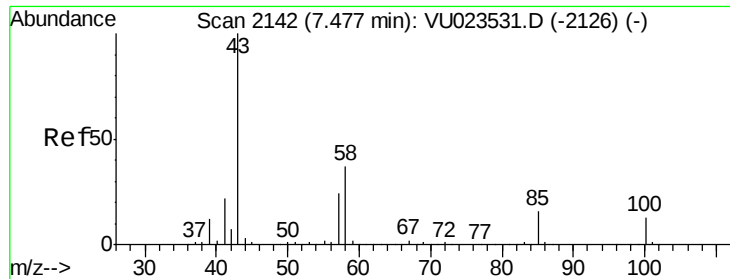
Ion Ratio Lower Upper

83 100

85 64.2 52.2 78.4

127 8.2 7.0 10.4





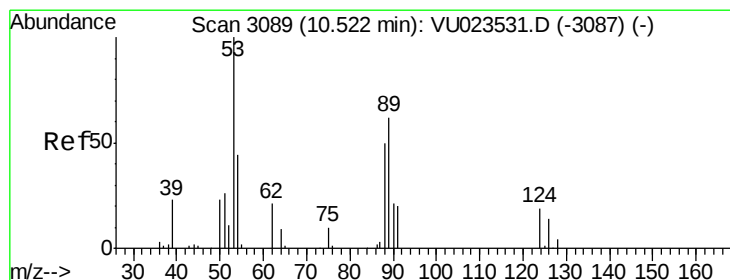
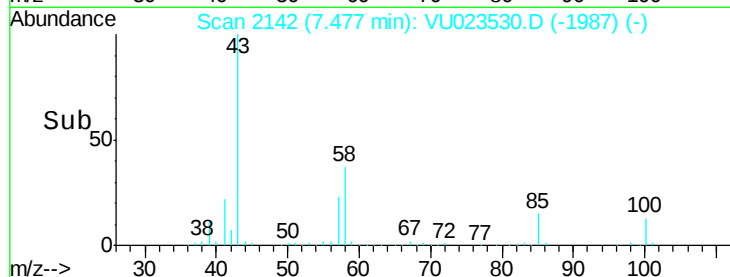
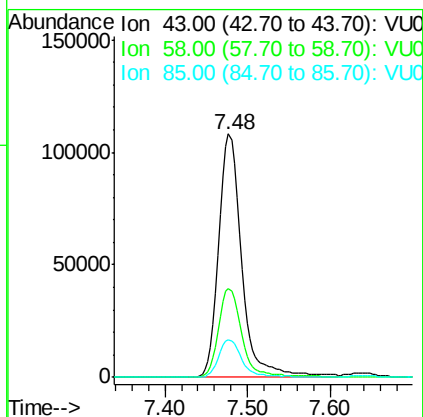
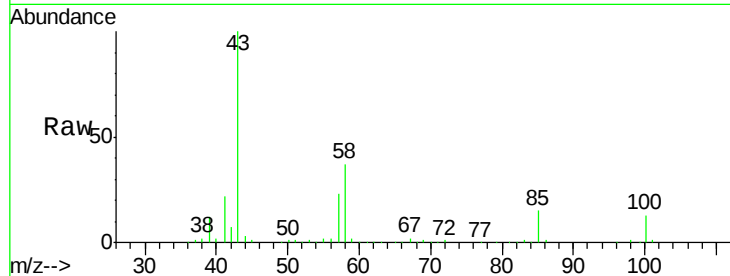
#45
4-Methyl-2-Pentanone
Concen: 25.16 ug/l
RT: 7.48 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion	43	Resp	209522
Ion Ratio	Lower	Upper	
43	100		
58	36.4	18.8	56.4
85	15.3	12.6	19.0

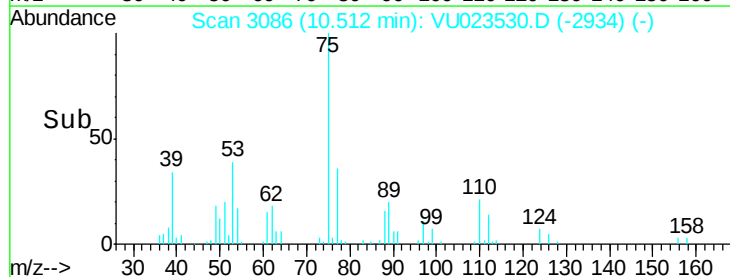
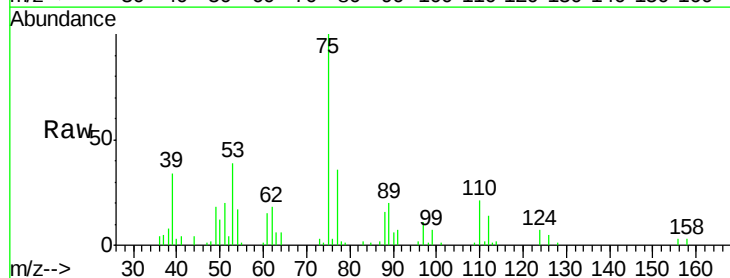
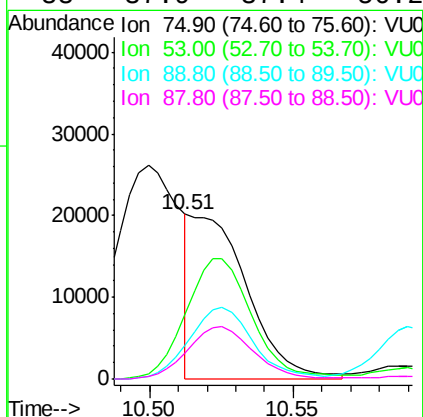
Manual Integrations
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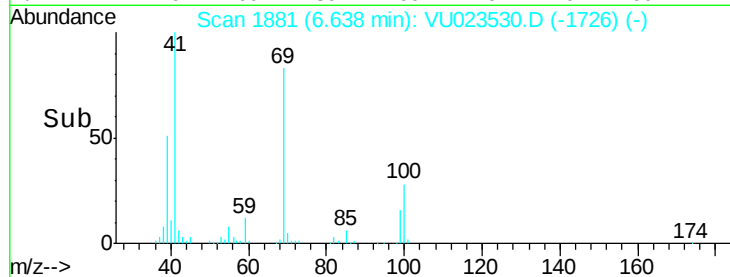
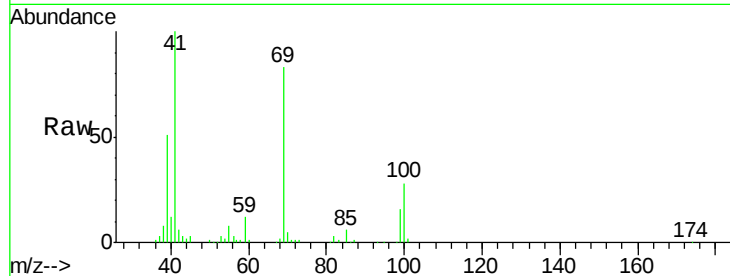
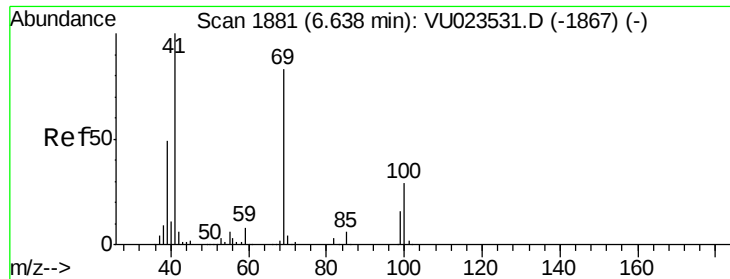
apatel
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#46
t-1,4-Dichloro-2-butene
Concen: 10.44 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion	75	Resp	27113
Ion Ratio	Lower	Upper	
75	100		
53	87.3	82.2	123.4
89	49.9	51.3	76.9#
88	37.9	37.4	56.2





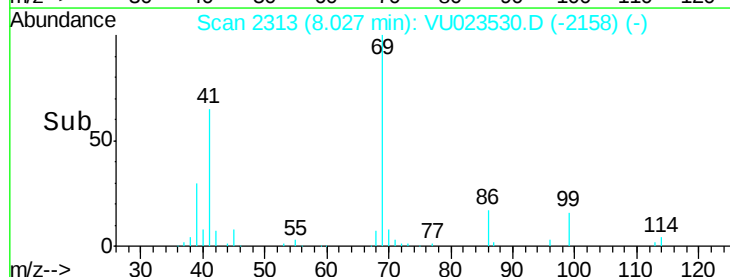
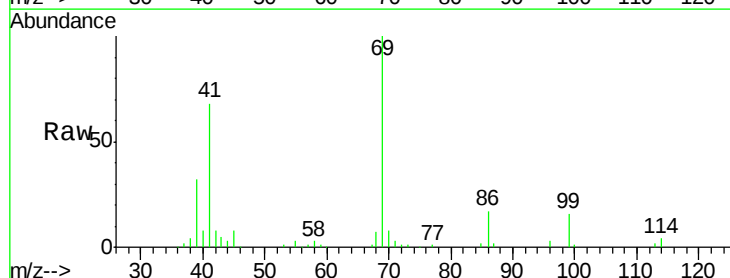
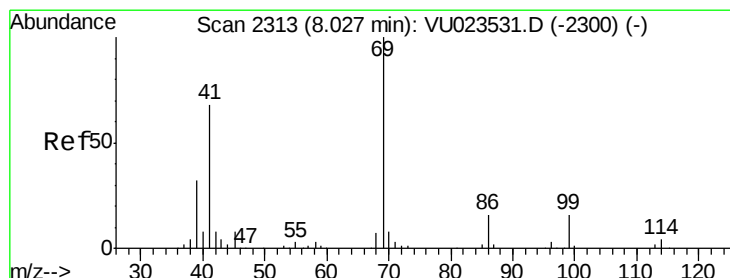
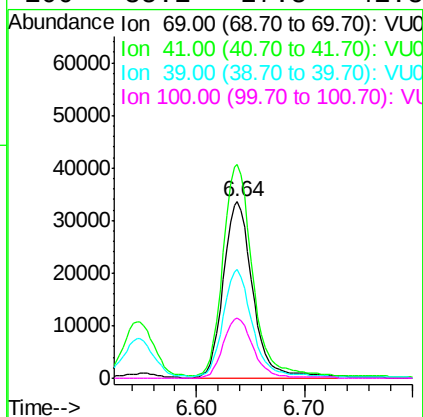
#47
Methyl methacrylate
Concen: 9.25 ug/l
RT: 6.64 min Scan# 1881
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	121.6	0.0	245.4		
39	61.6	49.0	73.4		
100	35.1	27.8	41.8		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

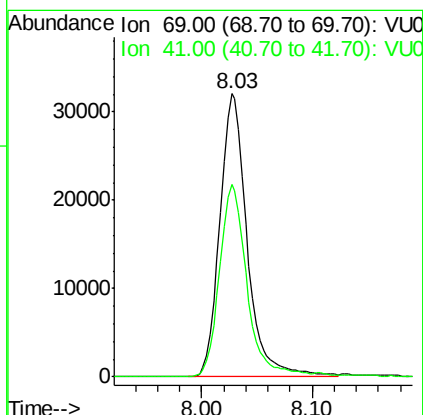
Manual Integrations
APPROVED

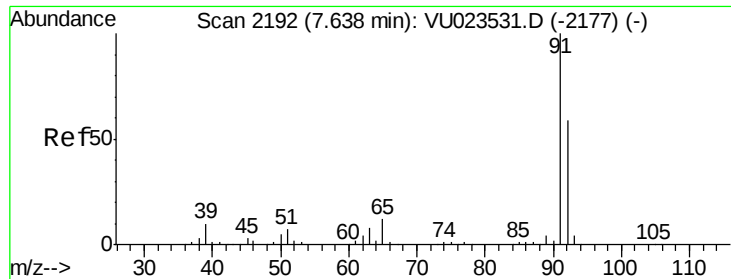
apatel
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#48
Ethyl methacrylate
Concen: 4.53 ug/l
RT: 8.03 min Scan# 2313
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	68.1	34.2	102.5		





#49

Toluene

Concen: 4.99 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 92 Resp: 175360

Ion Ratio Lower Upper

92 100

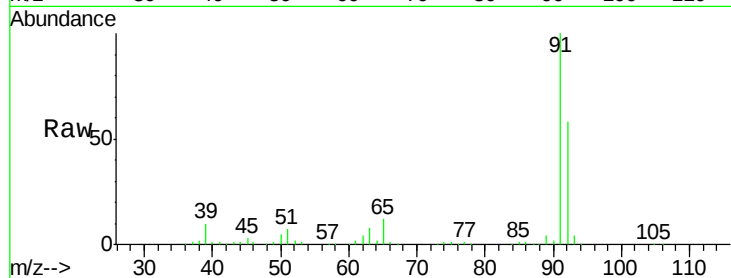
91 174.8 137.1 205.7

Manual Integrations

APPROVED

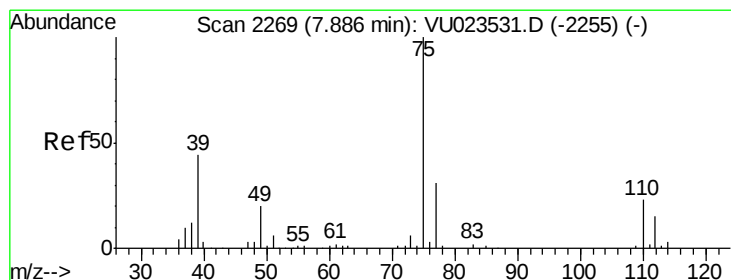
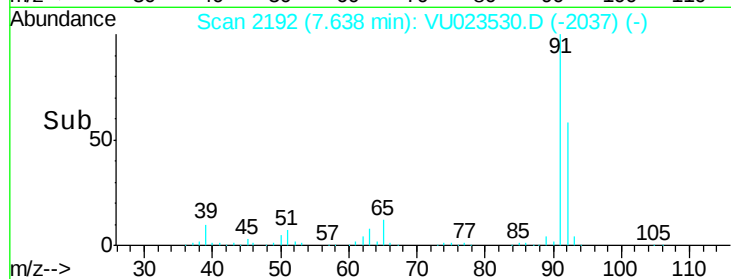
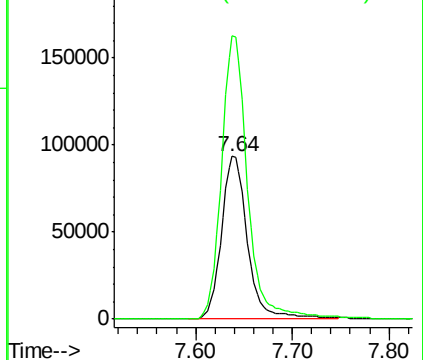
apatel

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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 5.21 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VU023530.D

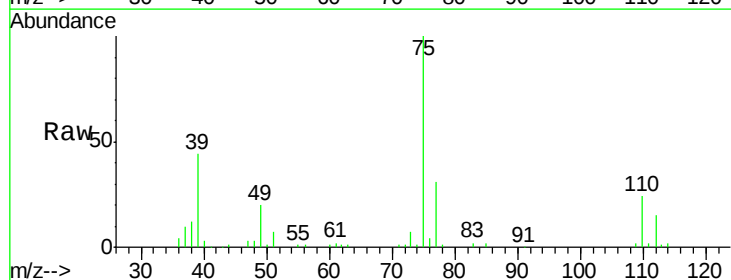
Acq: 30 Apr 2018 16:21

Tgt Ion: 75 Resp: 75786

Ion Ratio Lower Upper

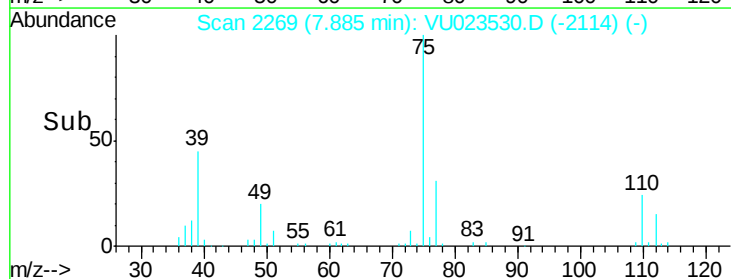
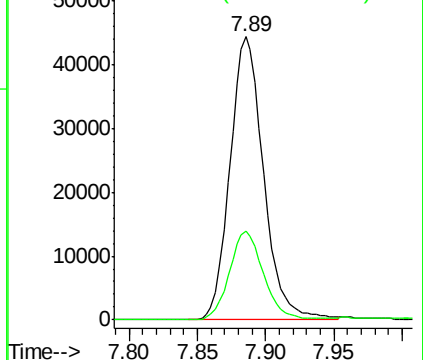
75 100

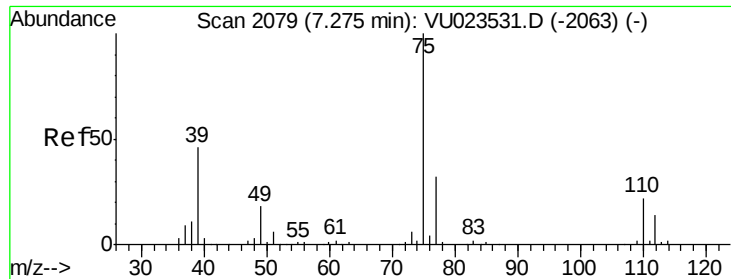
77 31.2 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51

cis-1,3-Dichloropropene

Concen: 5.29 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

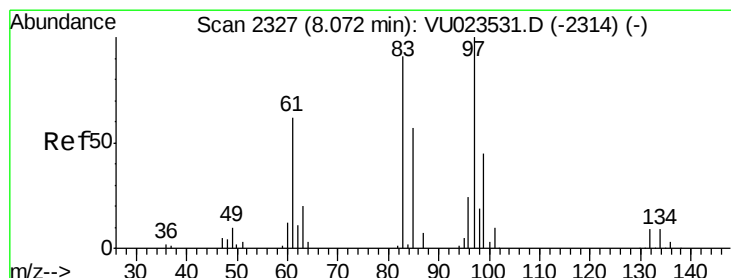
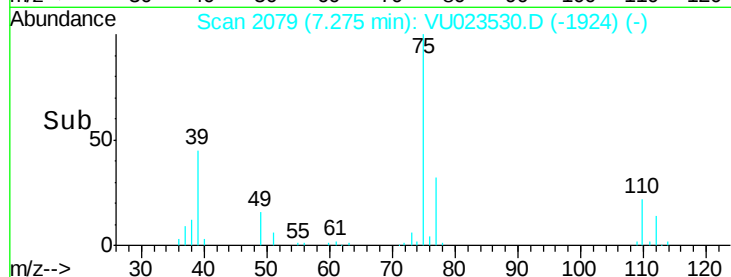
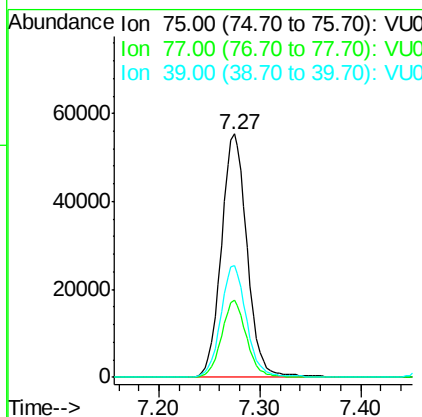
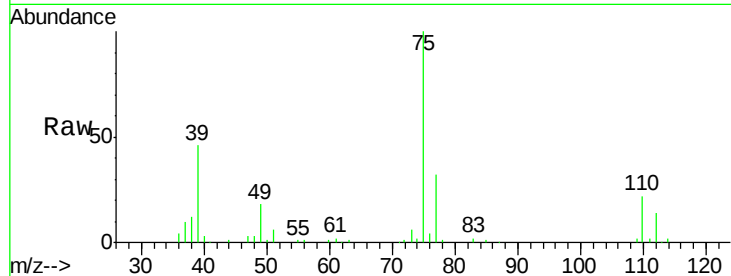
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	99118
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.2	37.8
39	45.8	36.4	54.6

Manual Integrations
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#52

1,1,2-Trichloroethane

Concen: 4.69 ug/l

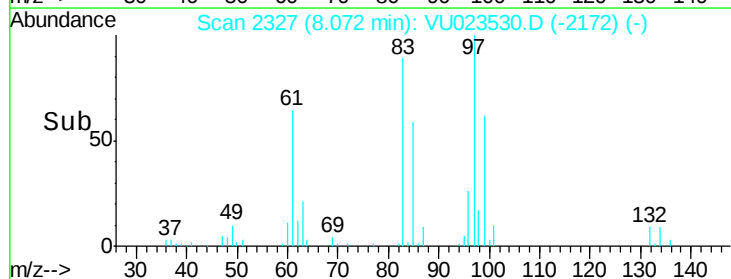
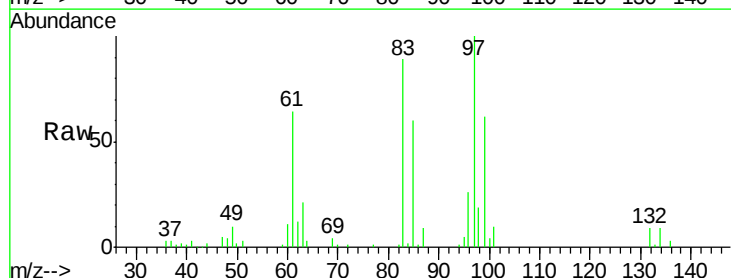
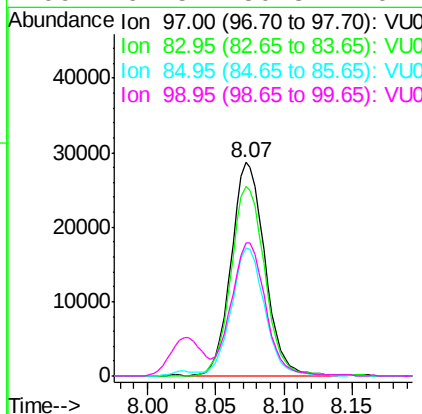
RT: 8.07 min Scan# 2327

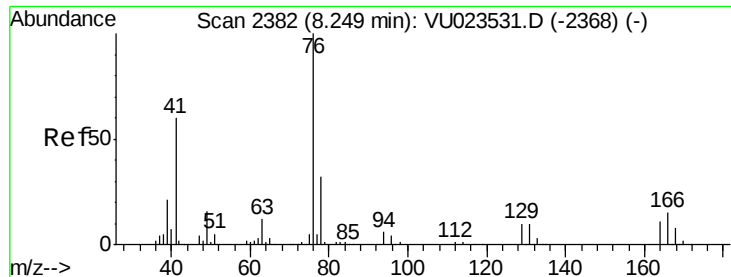
Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Tgt Ion:	97	Resp:	49410
Ion Ratio	Lower	Upper	
97	100		
83	88.7	72.6	109.0
85	59.8	47.2	70.8
99	61.5	50.8	76.2





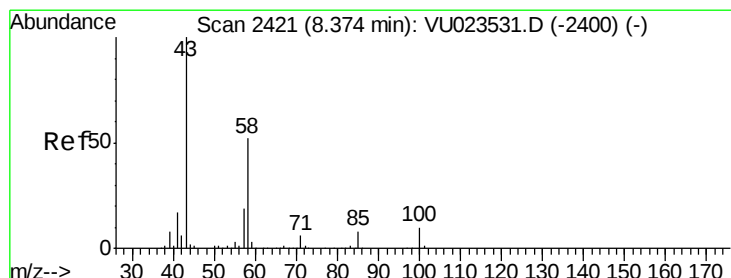
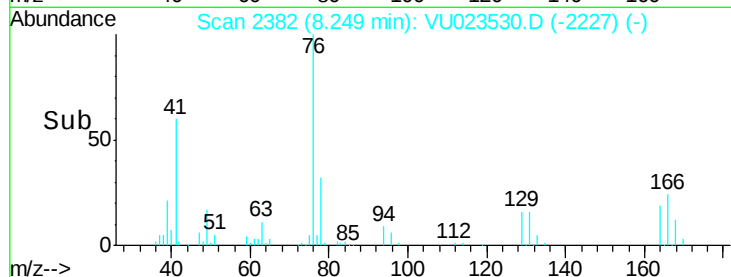
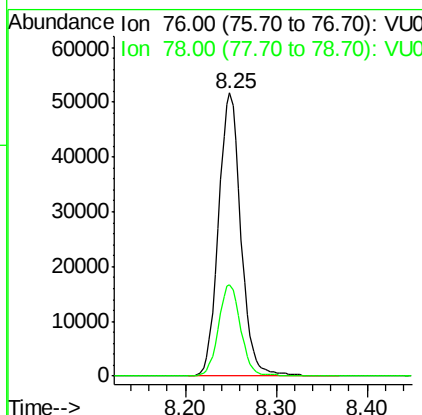
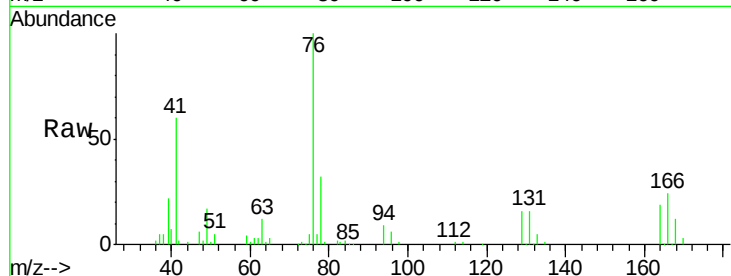
#53
 1,3-Dichloropropane
 Concen: 4.89 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.7	38.5

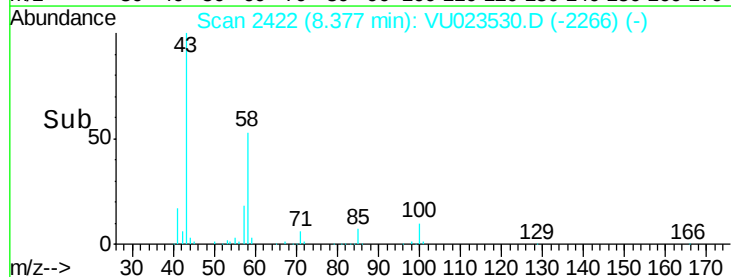
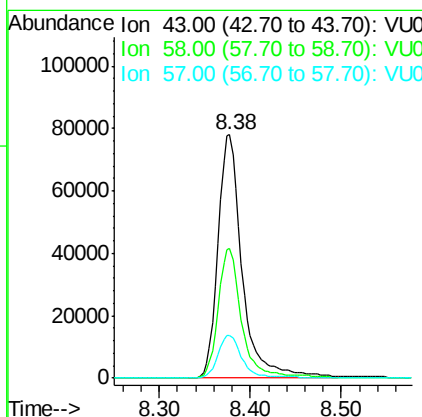
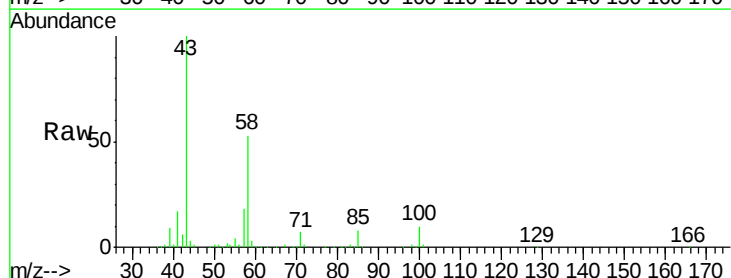
Manual Integrations
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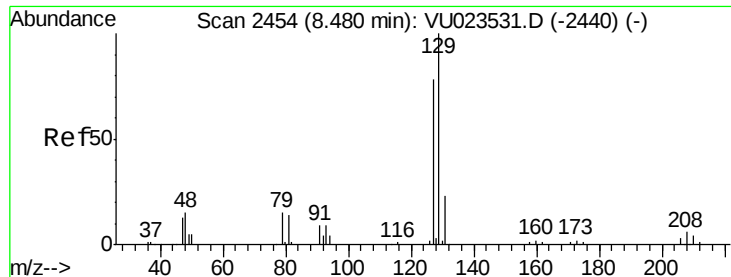
apatel
 5/3/2018 4:49:01 PM



#54
 2-Hexanone
 Concen: 25.43 ug/l
 RT: 8.38 min Scan# 2422
 Delta R.T. 0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.1	32.5	72.5
57	17.6	0.0	37.9





#55

Dibromochloromethane

Concen: 4.90 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 53111

Ion Ratio Lower Upper

129 100

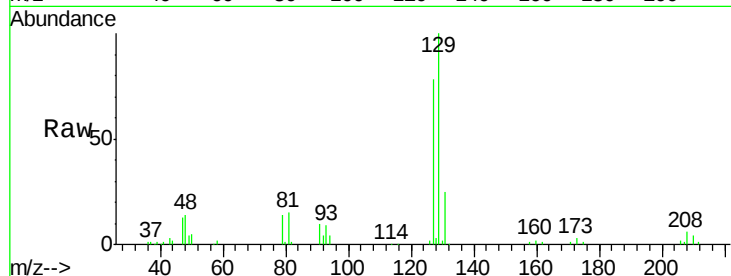
127 78.7 61.1 91.7

Manual Integrations

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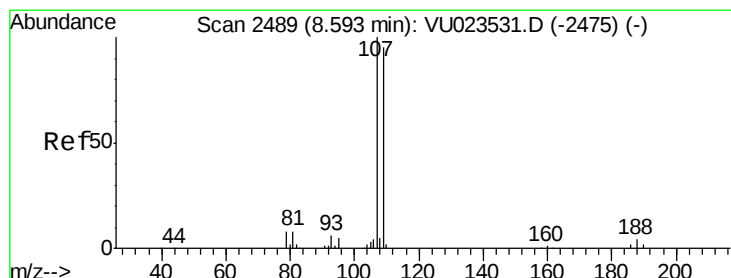
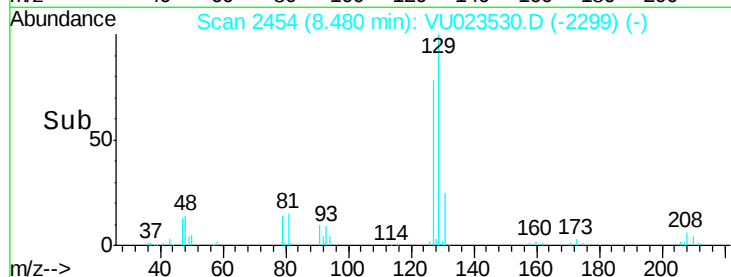
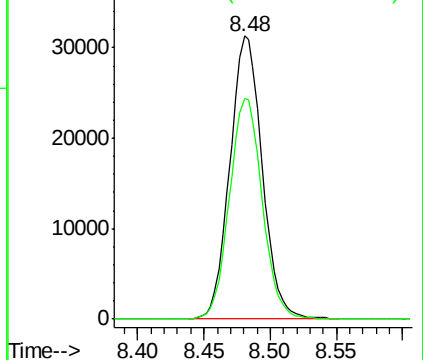
apatel

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 4.56 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. -0.00 min

Lab File: VU023530.D

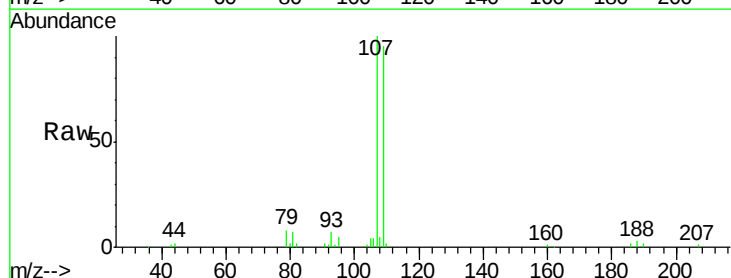
Acq: 30 Apr 2018 16:21

Tgt Ion:107 Resp: 42275

Ion Ratio Lower Upper

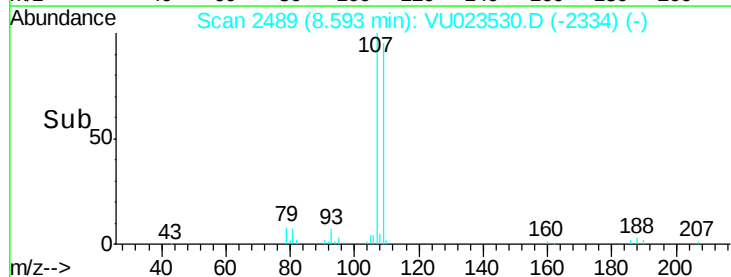
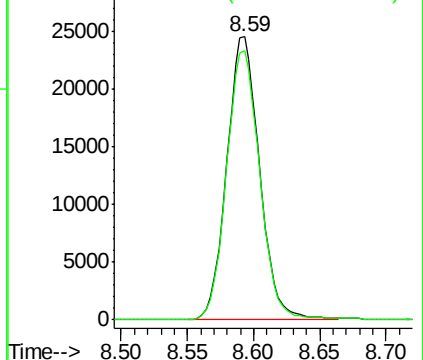
107 100

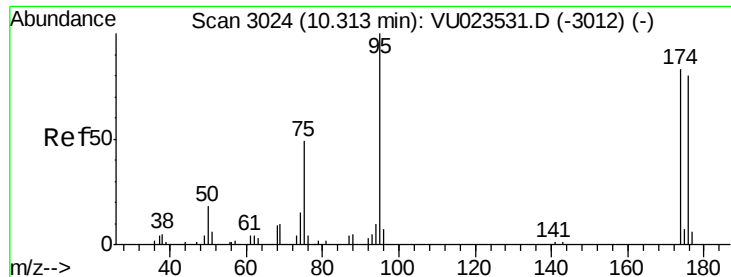
109 96.3 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





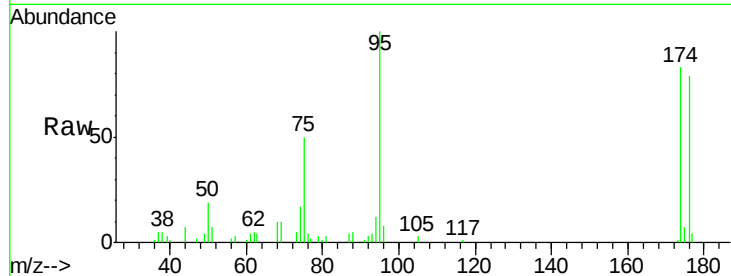
#57
4-Bromofluorobenzene
Concen: 4.56 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
95	100		
174	85.3	65.6	98.4
176	79.8	62.0	93.0

Manual Integrations
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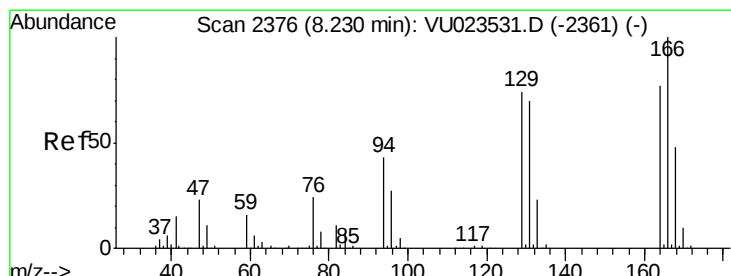
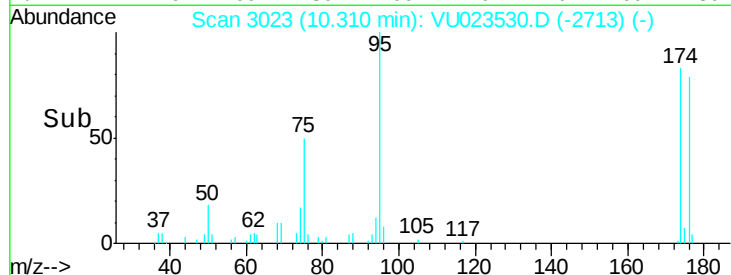
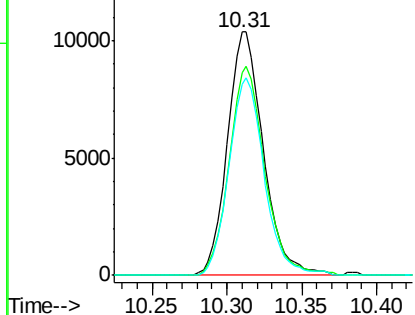
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Abundance Ion 95.00 (94.70 to 95.70): VU023530.D (-2713) (-)

Ion 174.00 (173.70 to 174.70): VU023530.D (-2713) (-)

Ion 176.00 (175.70 to 176.70): VU023530.D (-2713) (-)



#58
Tetrachloroethene
Concen: 5.23 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

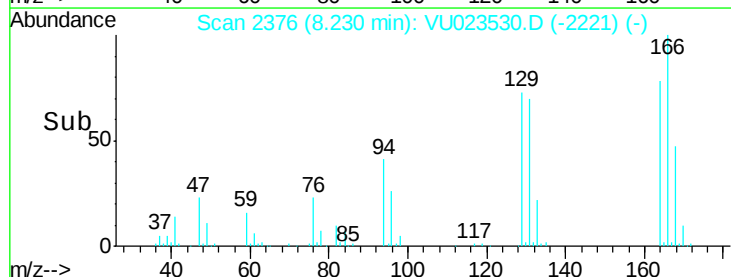
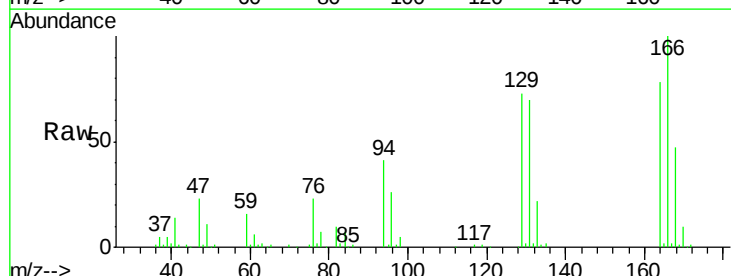
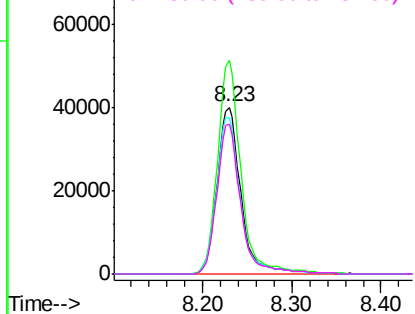
Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	104.1	156.1
129	93.7	76.8	115.2
131	89.7	72.6	108.8

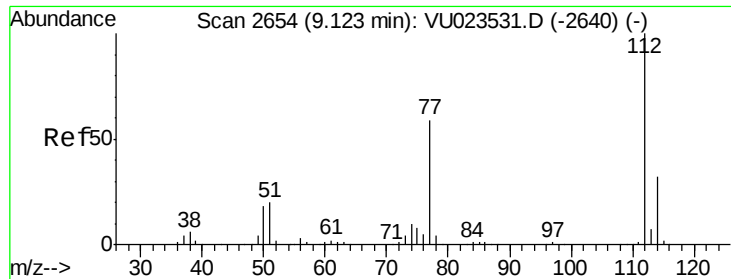
Abundance Ion 163.85 (163.55 to 164.55): VU023530.D (-2221) (-)

Ion 165.80 (165.50 to 166.50): VU023530.D (-2221) (-)

Ion 128.90 (128.60 to 129.60): VU023530.D (-2221) (-)

Ion 130.90 (130.60 to 131.60): VU023530.D (-2221) (-)





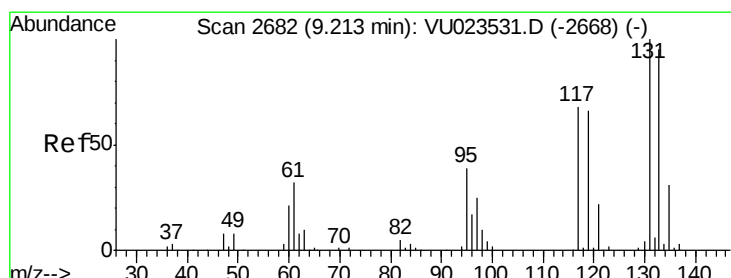
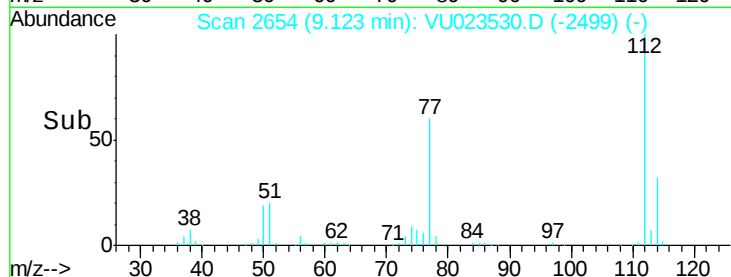
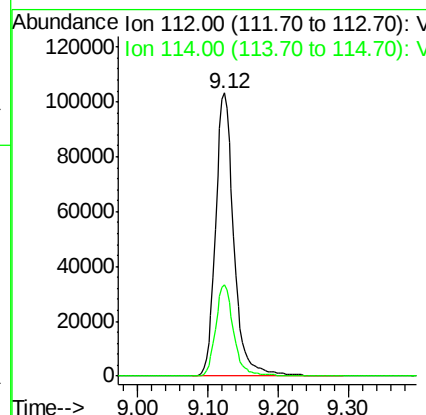
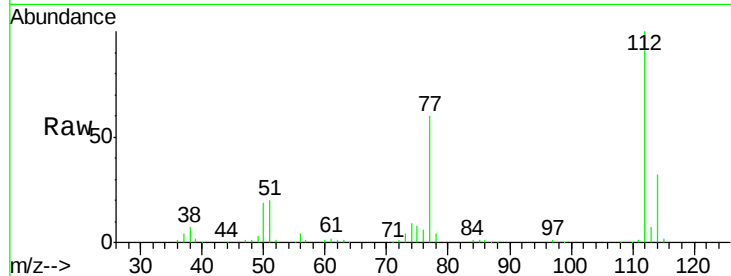
#59
Chlorobenzene
Concen: 4.80 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.2

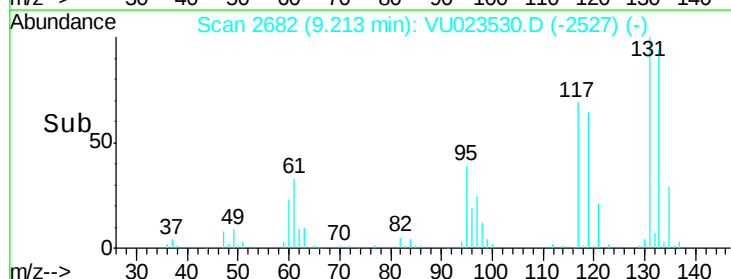
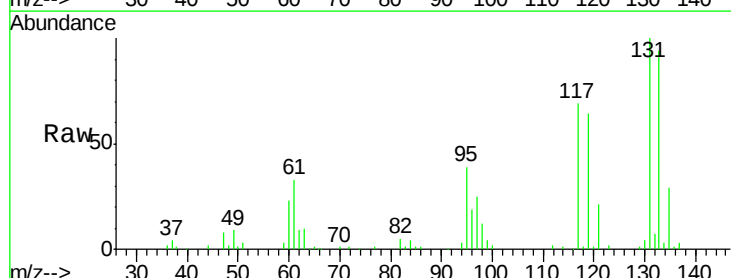
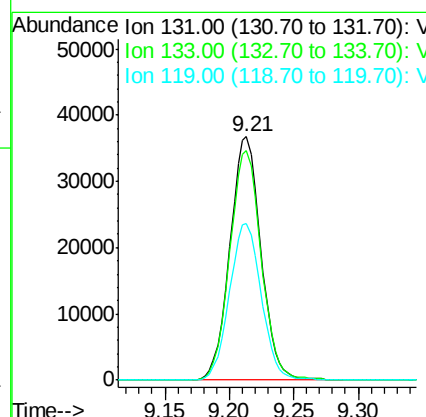
Manual Integrations
APPROVED

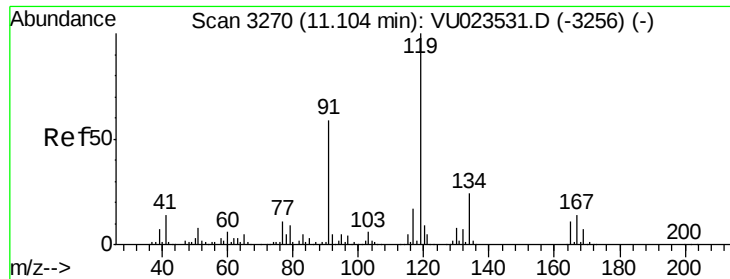
apatel
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#60
1,1,1,2-Tetrachloroethane
Concen: 4.72 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	75.8	113.8
119	66.0	53.0	79.6





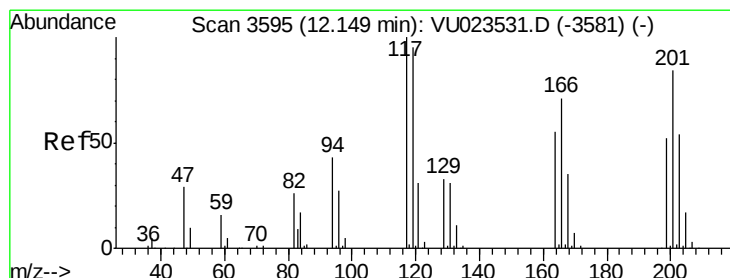
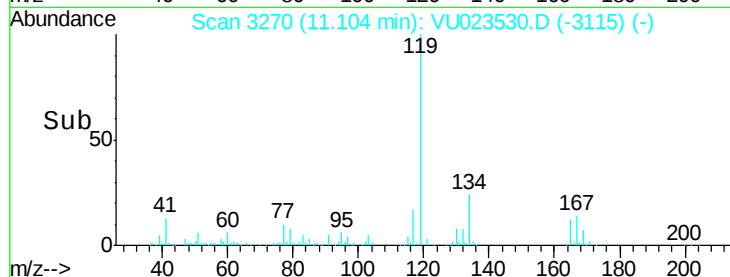
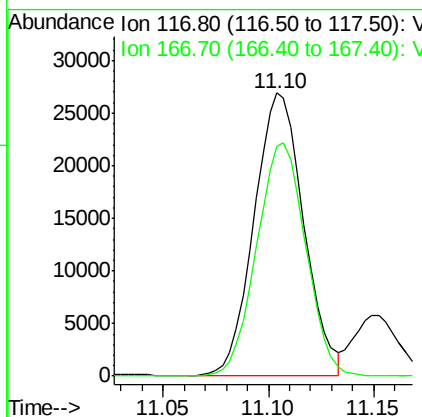
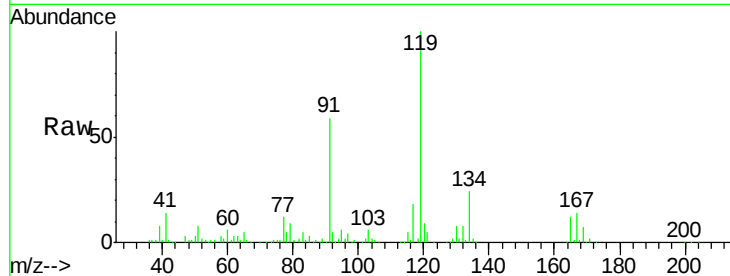
#61
 Pentachloroethane
 Concen: 4.68 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:117 Resp: 44041
 Ion Ratio Lower Upper
 117 100
 167 81.3 69.2 103.8

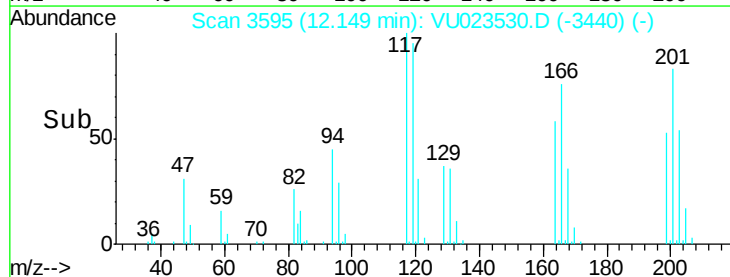
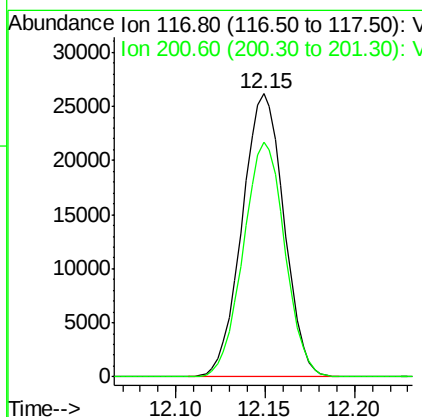
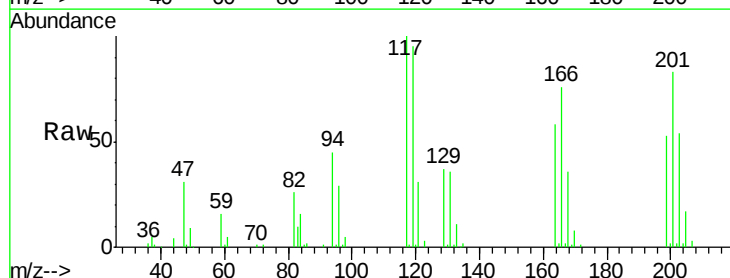
Manual Integrations
 APPROVED

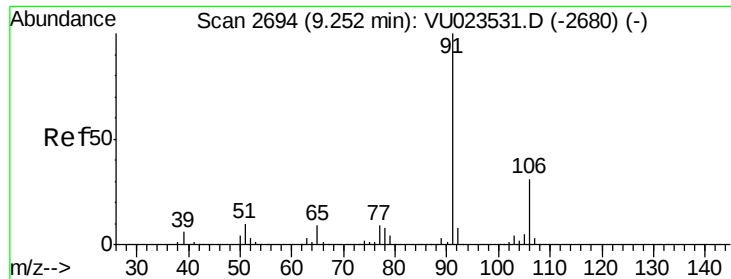
apatel
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#62
 Hexachloroethane
 Concen: 5.07 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion:117 Resp: 42889
 Ion Ratio Lower Upper
 117 100
 201 82.2 68.7 103.1





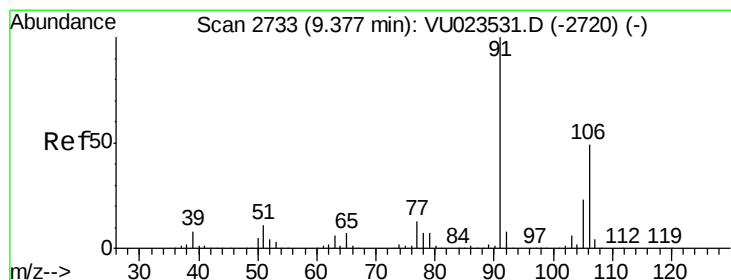
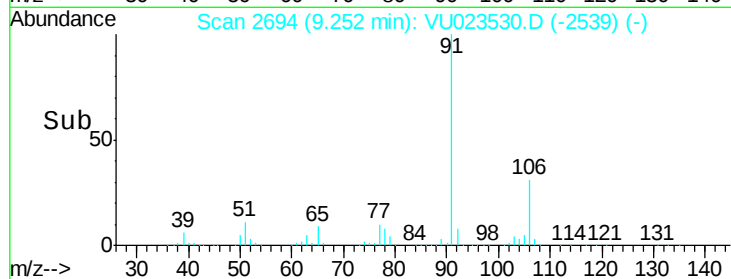
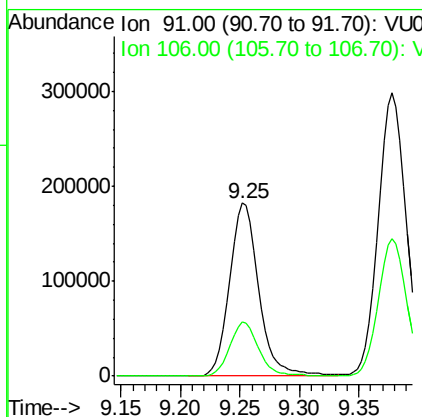
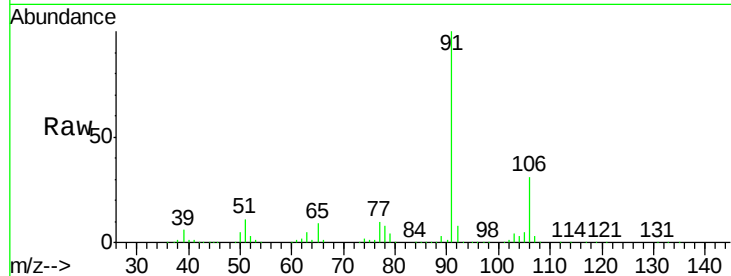
#63
Ethyl Benzene
Concen: 4.90 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 311157
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1

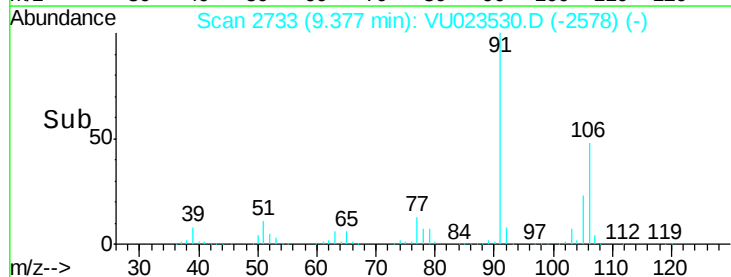
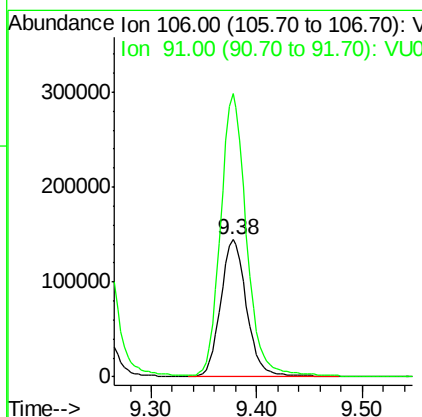
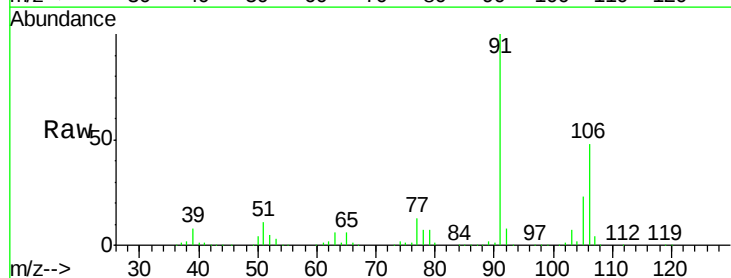
Manual Integrations
APPROVED

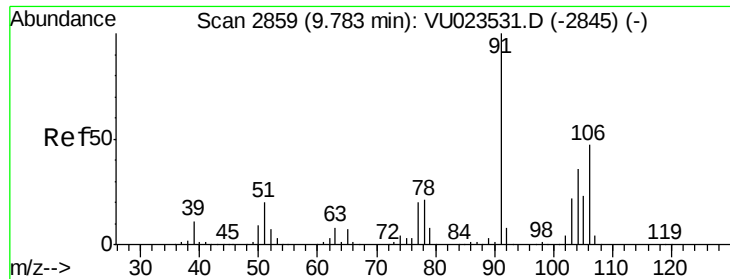
apatel
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#64
m/p-Xylenes
Concen: 10.02 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion: 106 Resp: 246249
Ion Ratio Lower Upper
106 100
91 207.5 164.1 246.1





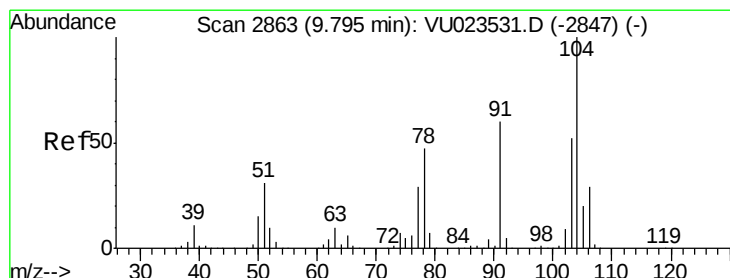
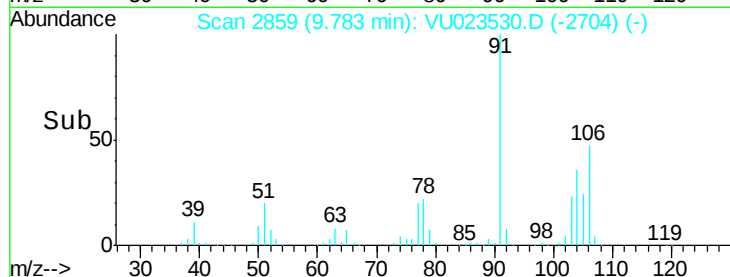
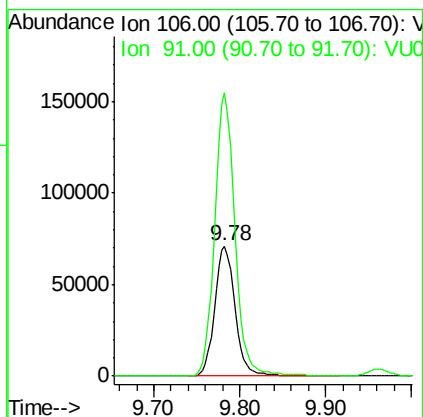
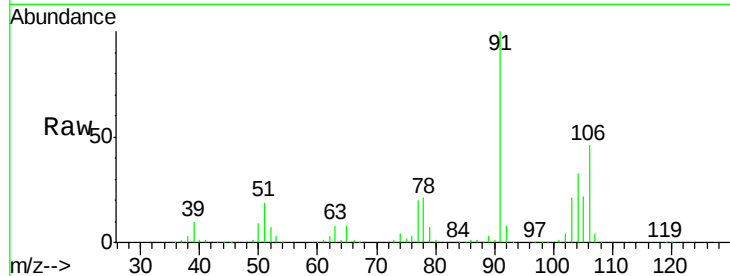
#65
o-Xylene
Concen: 4.85 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 117574
Ion Ratio Lower Upper
106 100
91 216.7 107.9 323.7

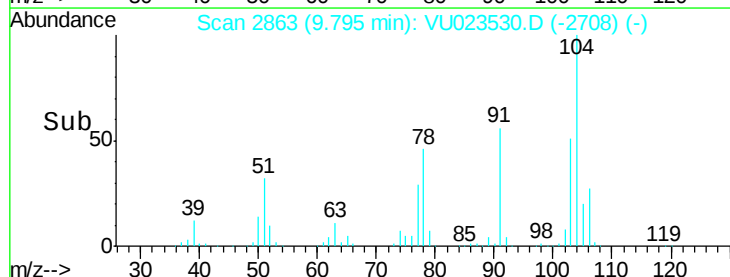
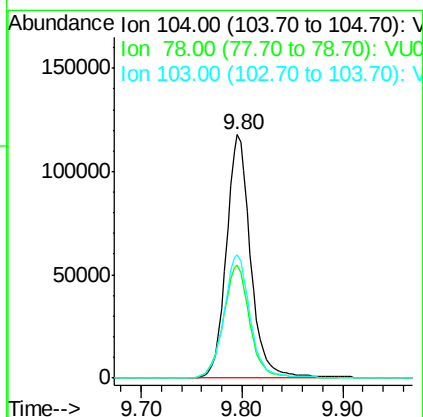
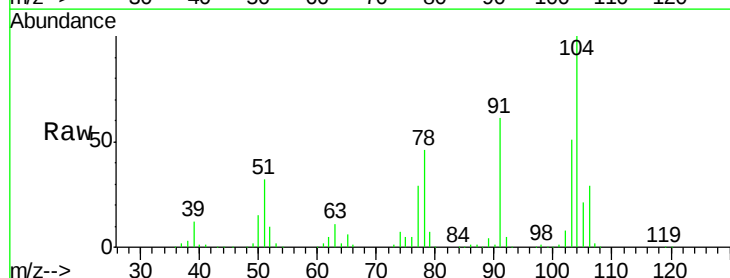
Manual Integrations
APPROVED

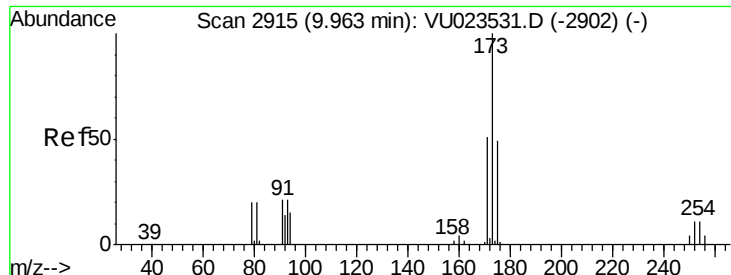
apatel
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#66
Styrene
Concen: 4.95 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion:104 Resp: 198271
Ion Ratio Lower Upper
104 100
78 50.6 40.2 60.2
103 54.8 44.2 66.4





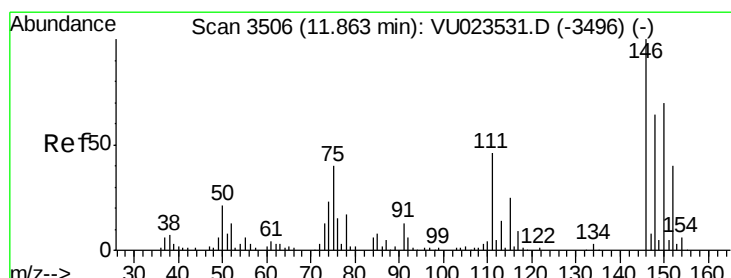
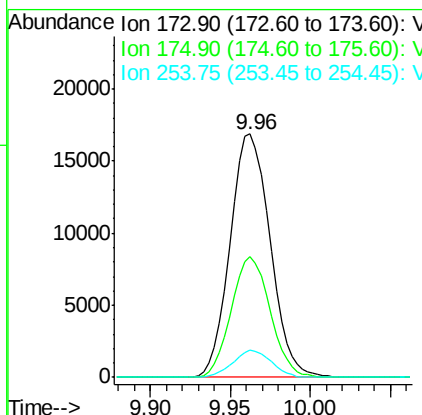
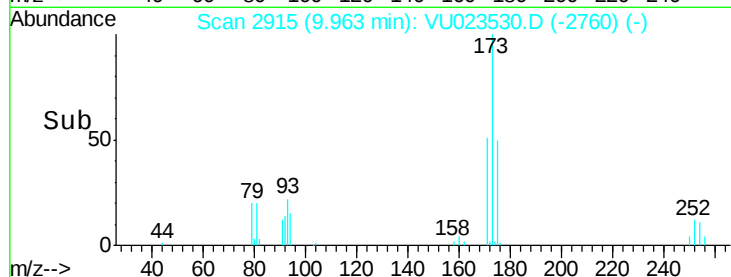
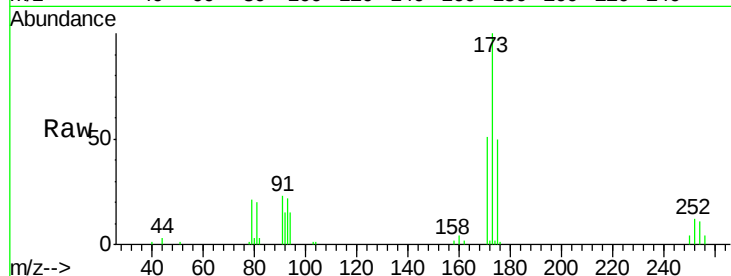
#67
Bromoform
Concen: 4.89 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	38.6	57.8
254	10.6	8.8	13.2

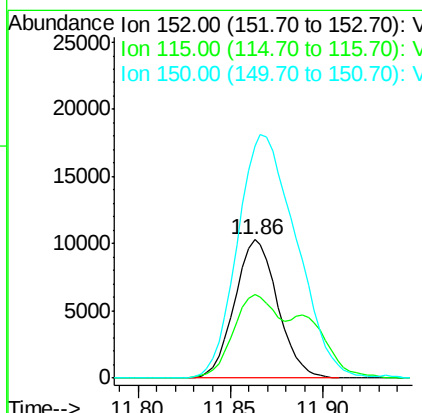
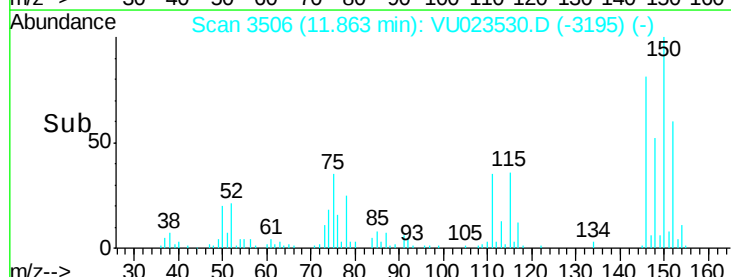
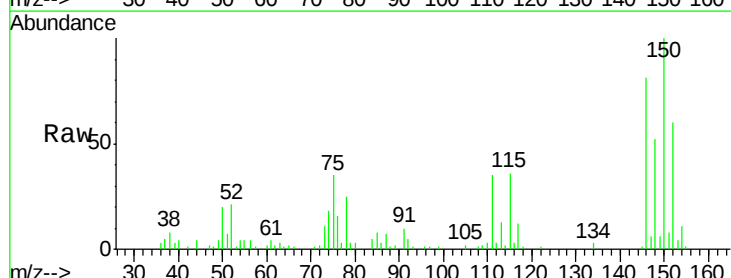
Manual Integrations
APPROVED

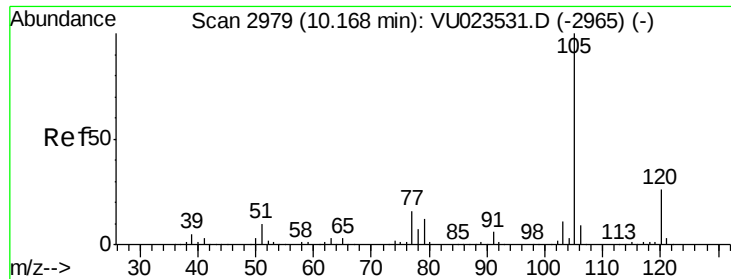
apatel
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#68
1,2-Dichlorobenzene-d4
Concen: 4.89 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	0.0	118.8
150	240.9	0.0	0.0#





#69

Isopropylbenzene

Concen: 4.99 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 302023

Ion Ratio Lower Upper

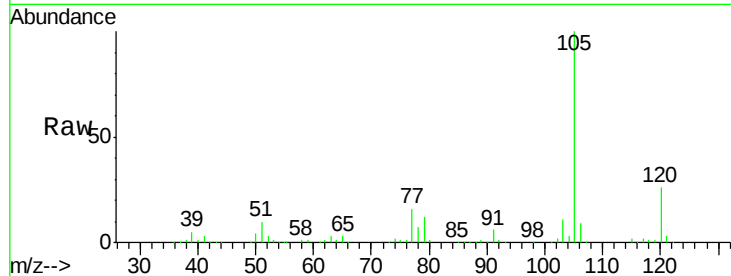
105 100

120 26.4 13.1 39.3

Manual Integrations
APPROVED

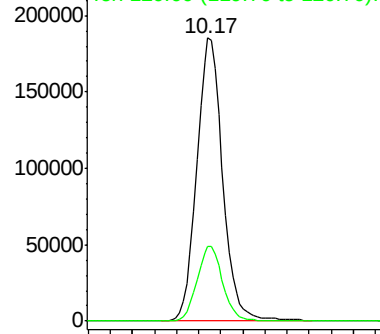
apatel

5/3/2018 4:49:01 PM

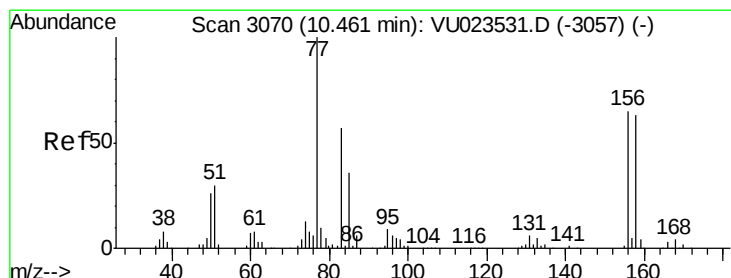
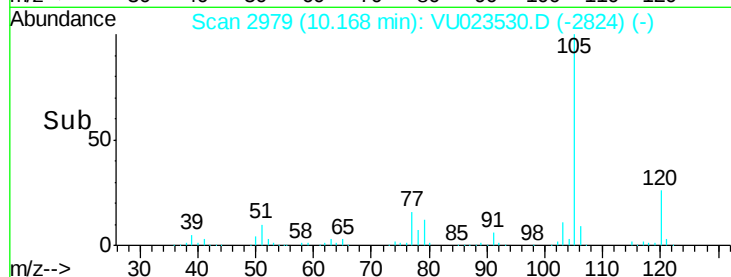


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 4.42 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

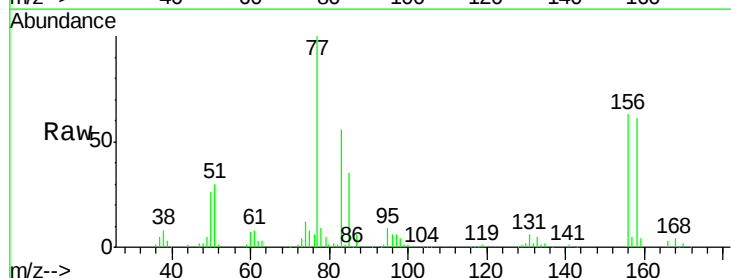
Tgt Ion: 83 Resp: 55774

Ion Ratio Lower Upper

83 100

131 10.1 7.9 11.9

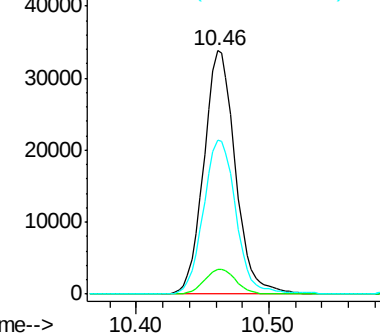
85 65.4 51.8 77.6



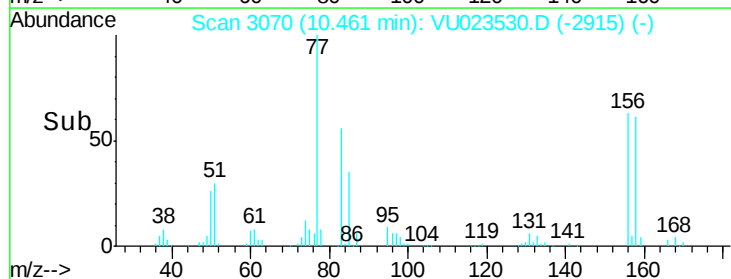
Abundance Ion 83.00 (82.70 to 83.70): VU0

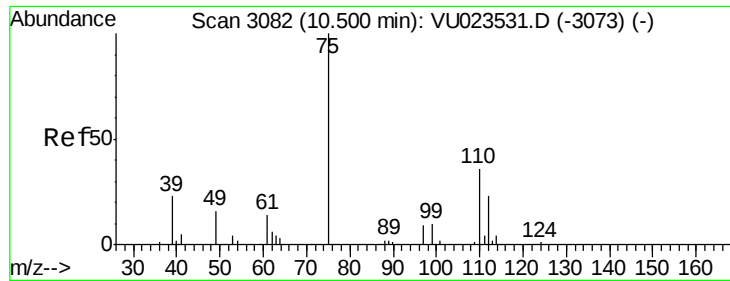
Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



Time-->





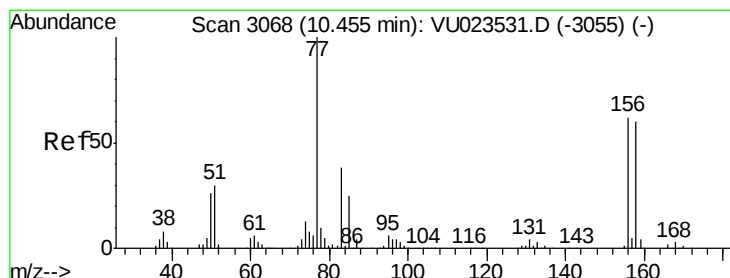
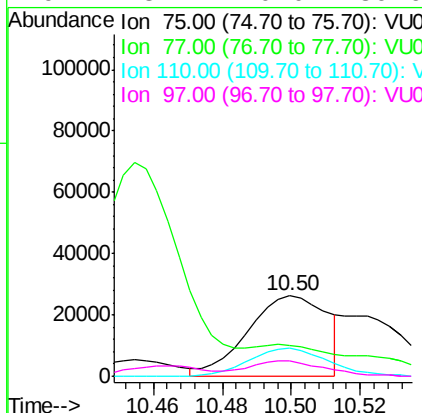
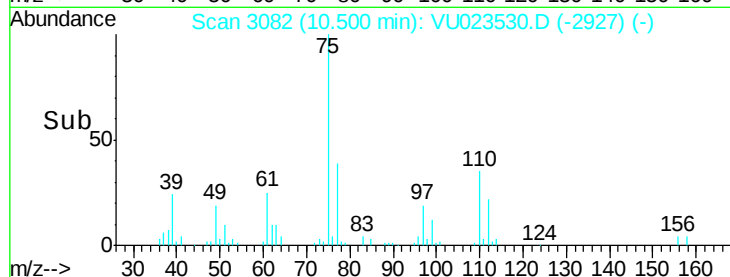
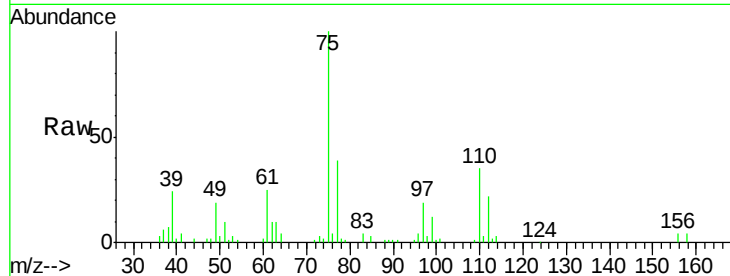
#71
 1,2,3-Trichloropropane
 Concen: 4.49 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	75	Resp:	41785
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	35.2	0.0	74.0
97	18.2	0.0	39.6

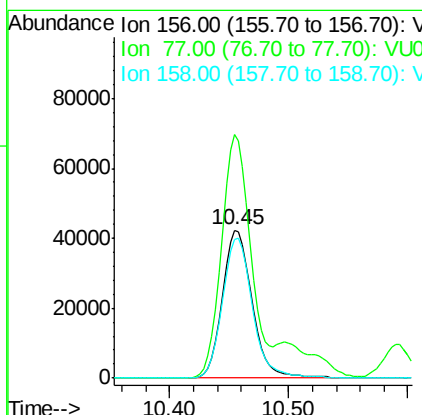
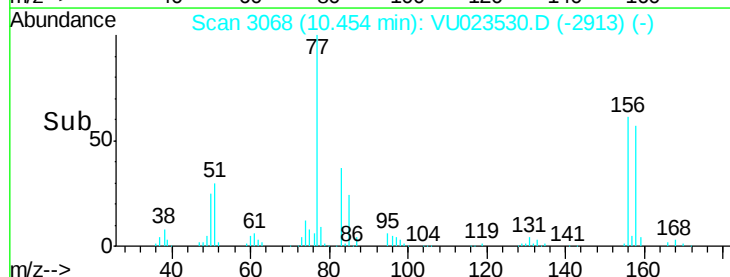
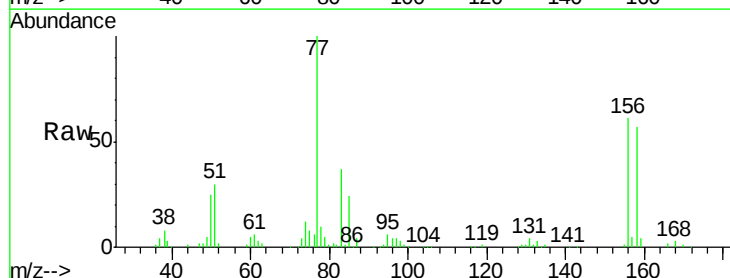
Manual Integrations
 APPROVED

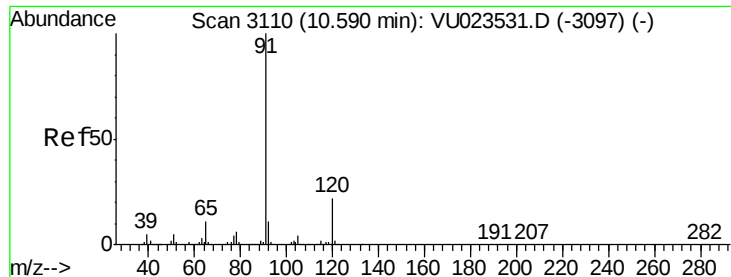
apatel
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#72
 Bromobenzene
 Concen: 4.51 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion:	156	Resp:	73332
Ion Ratio	Lower	Upper	
156	100		
77	161.4	0.0	309.8
158	95.8	0.0	193.0





#73

n-propylbenzene

Concen: 5.00 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:120 Resp: 85021

Ion Ratio Lower Upper

120 100

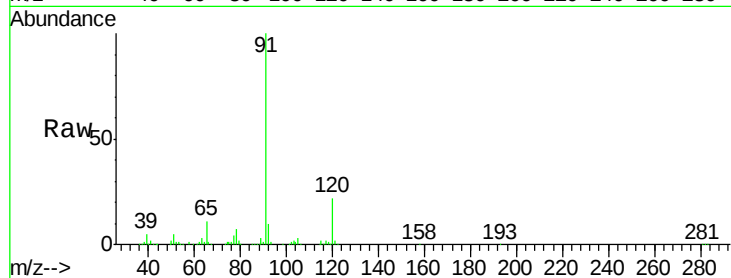
91 442.3 352.2 528.4

Manual Integrations

APPROVED

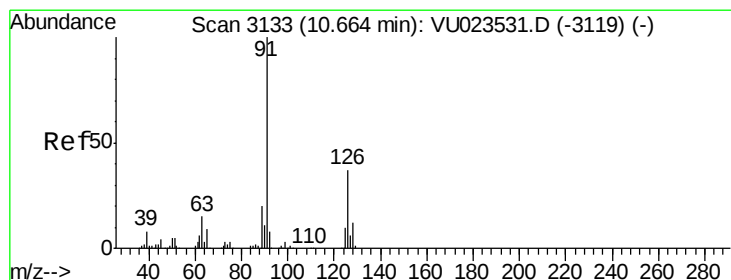
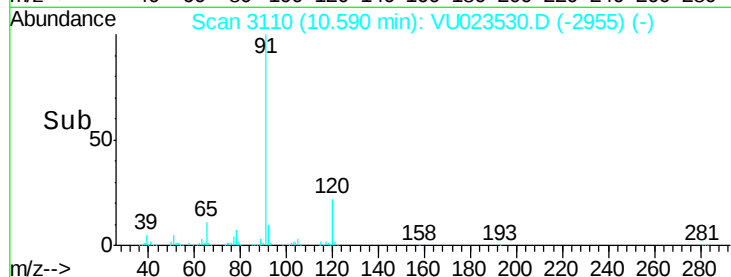
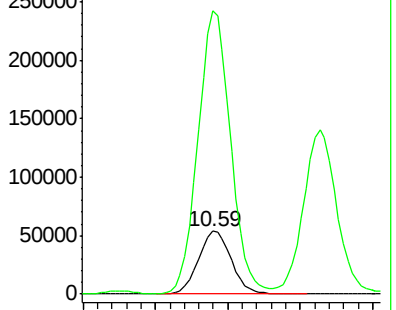
apatel

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 4.84 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU023530.D

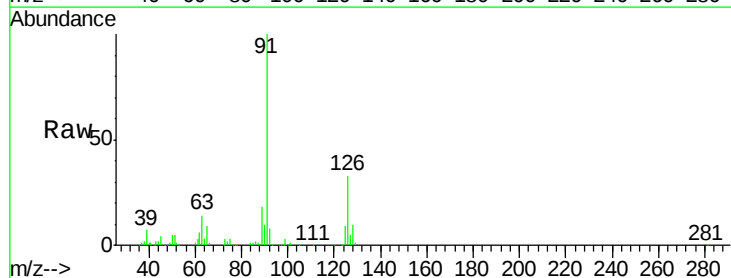
Acq: 30 Apr 2018 16:21

Tgt Ion:126 Resp: 74418

Ion Ratio Lower Upper

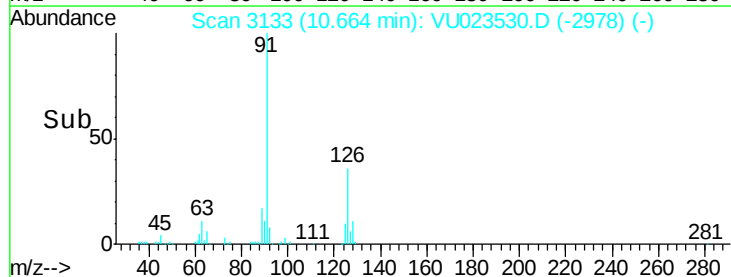
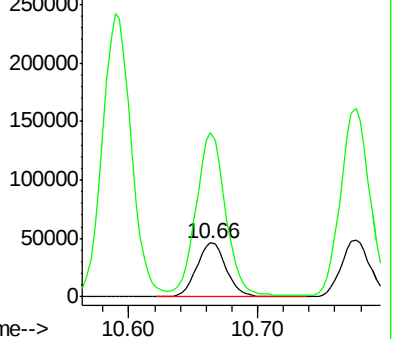
126 100

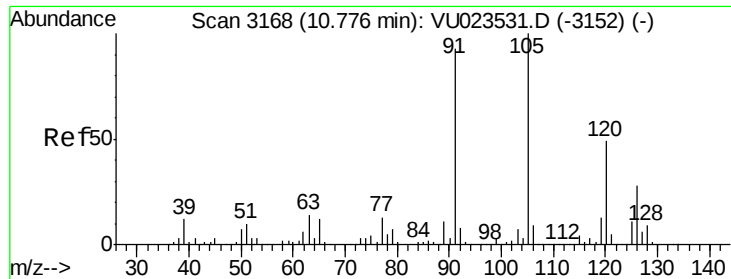
91 303.4 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 5.11 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 265657

Ion Ratio Lower Upper

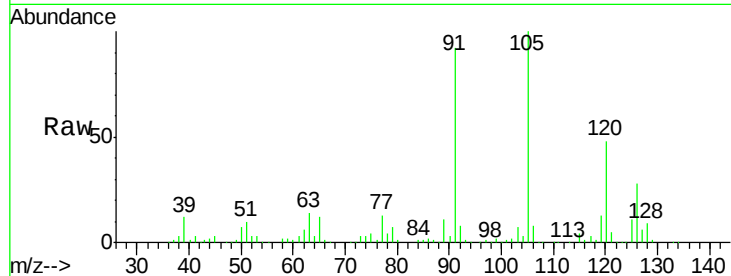
105 100

120 48.7 39.0 58.6

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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

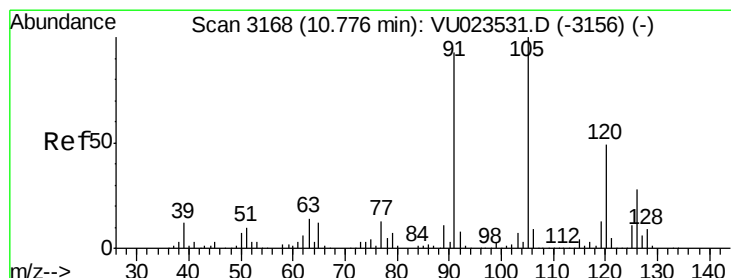
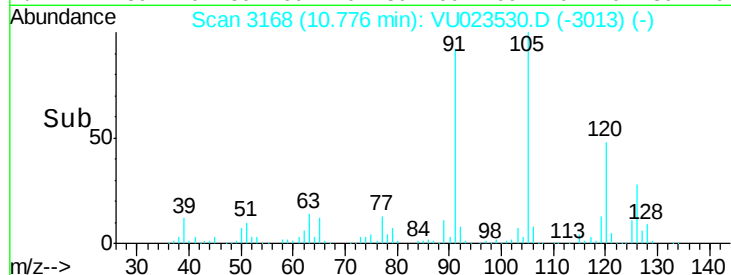
150000

100000

50000

0

Time-->



#76

4-Chlorotoluene

Concen: 4.85 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU023530.D

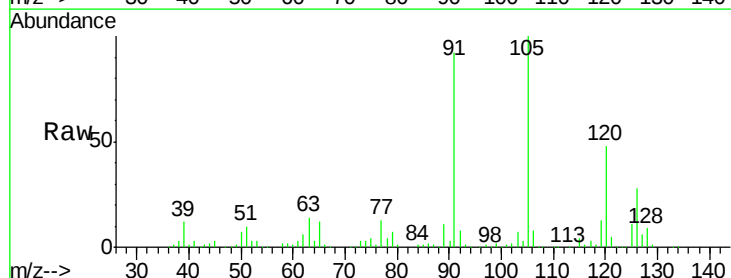
Acq: 30 Apr 2018 16:21

Tgt Ion:126 Resp: 77238

Ion Ratio Lower Upper

126 100

91 332.2 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

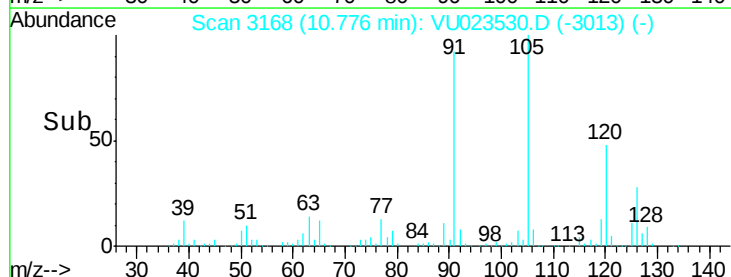
150000

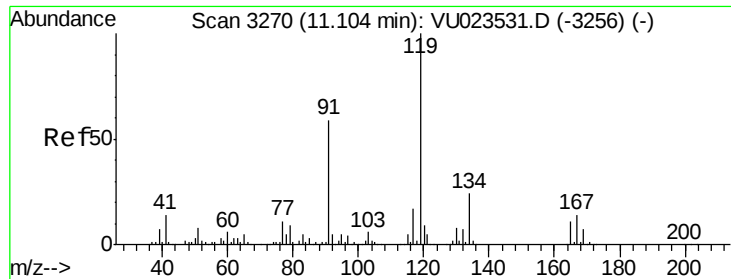
100000

50000

0

Time-->





#77

tert-Butylbenzene

Concen: 4.85 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

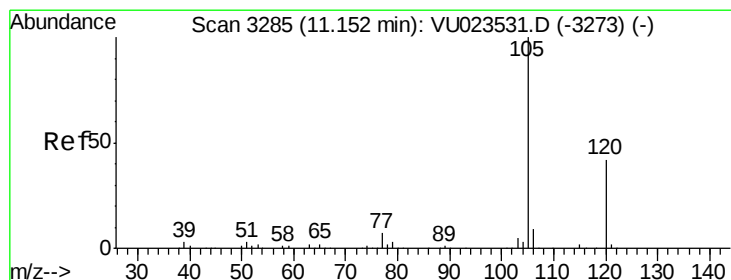
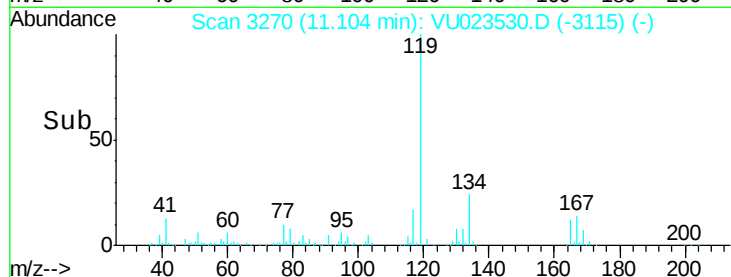
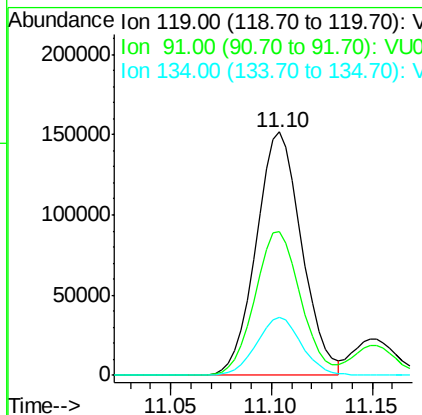
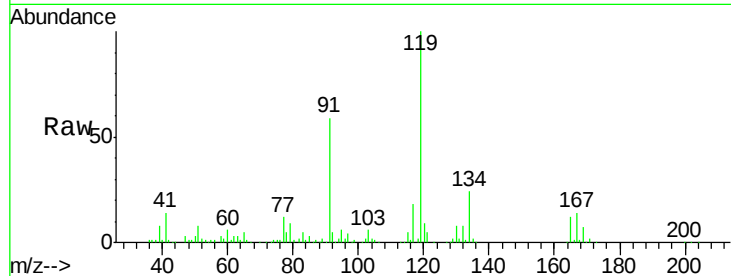
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	238692
Ion Ratio	Lower	Upper	
119	100		
91	59.6	29.6	88.8
134	23.9	19.1	28.7

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#78

1,2,4-Trimethylbenzene

Concen: 5.01 ug/l

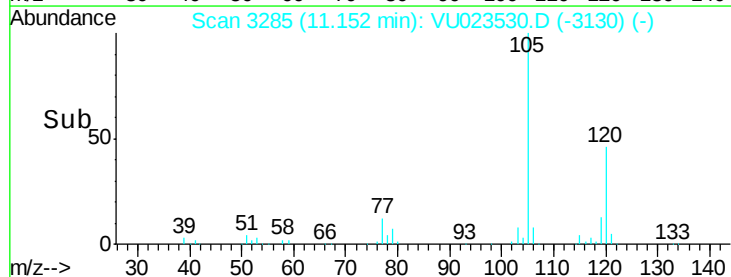
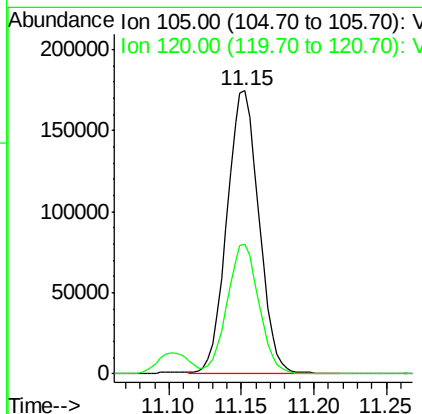
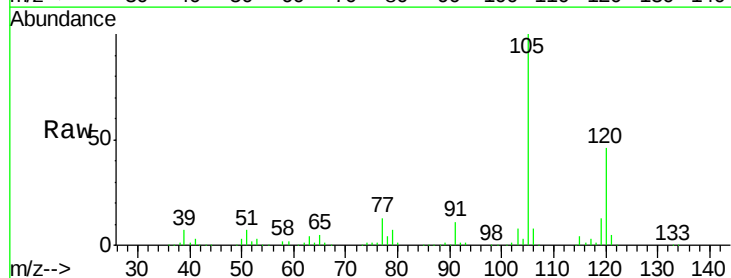
RT: 11.15 min Scan# 3285

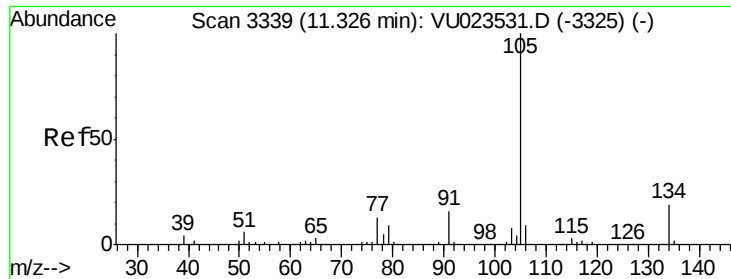
Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Tgt Ion:	105	Resp:	266281
Ion Ratio	Lower	Upper	
105	100		
120	45.3	23.1	69.3





#79

sec-Butylbenzene

Concen: 5.15 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleID :

VSTDIC005

Tot Ion: 105 Resp: 342599

Ion Ratio Lower Upper

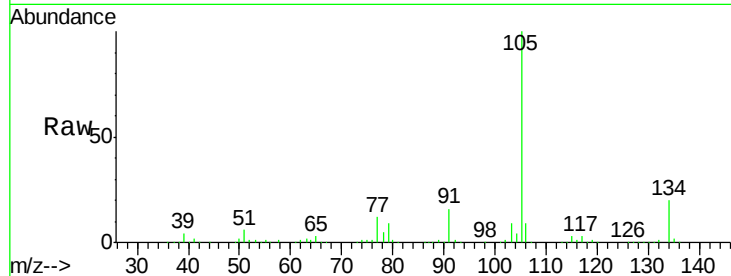
105 100

134 19.9 15.6 23.4

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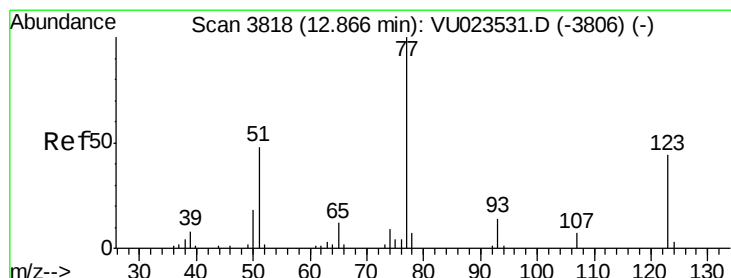
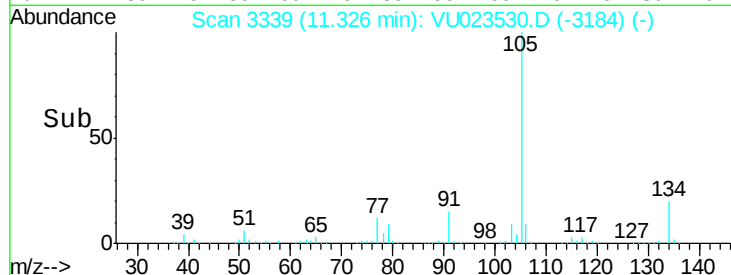
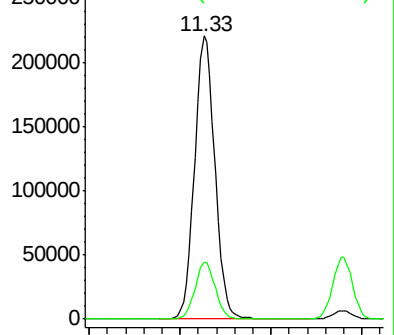
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 35.78 ug/l

RT: 12.87 min Scan# 3818

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

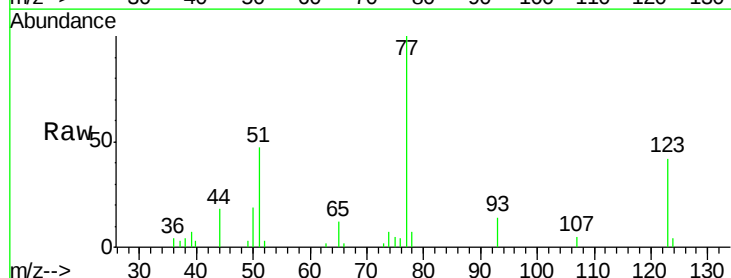
Tgt Ion: 77 Resp: 10229

Ion Ratio Lower Upper

77 100

123 43.5 19.4 68.6

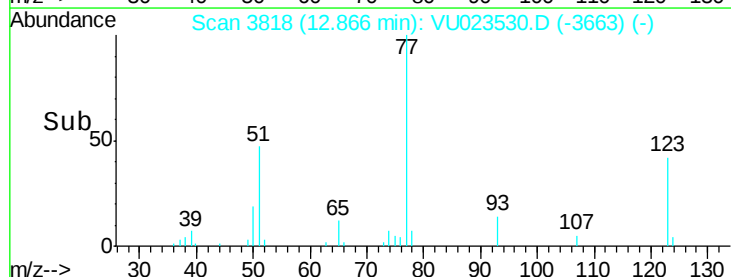
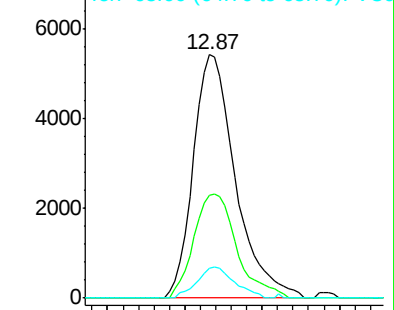
65 11.3 11.2 14.2

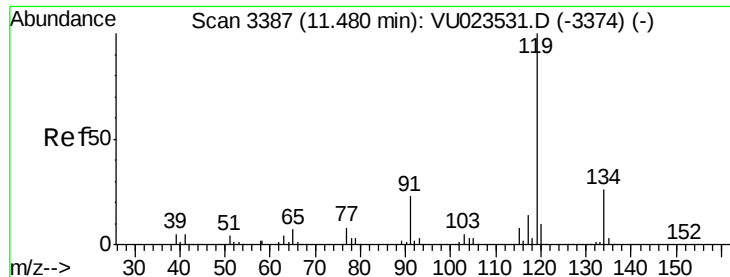


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





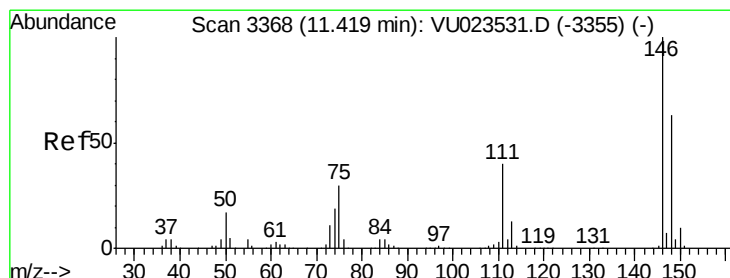
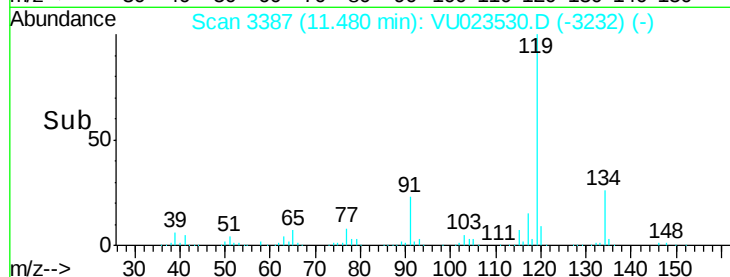
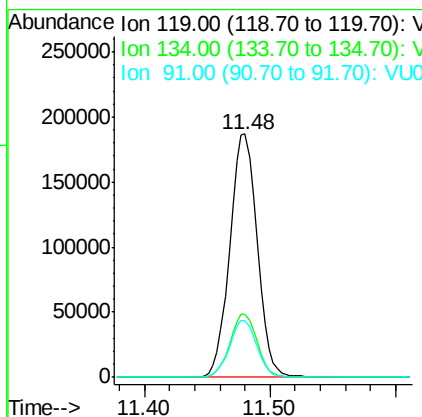
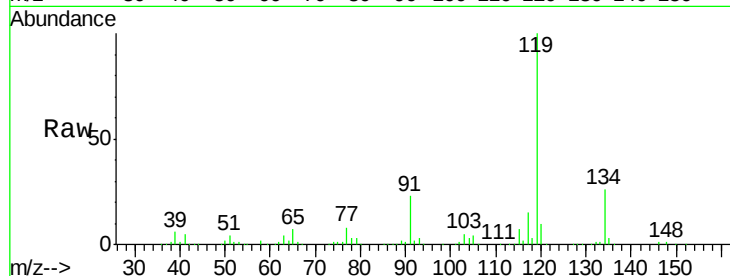
#81
 p-Isopropyltoluene
 Concen: 5.08 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282610		
134	26.0	20.9	31.3	
91	23.5	18.2	27.2	

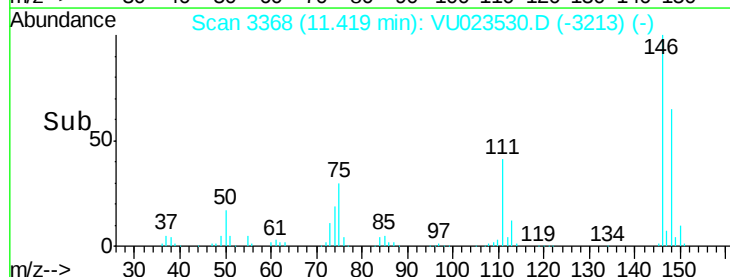
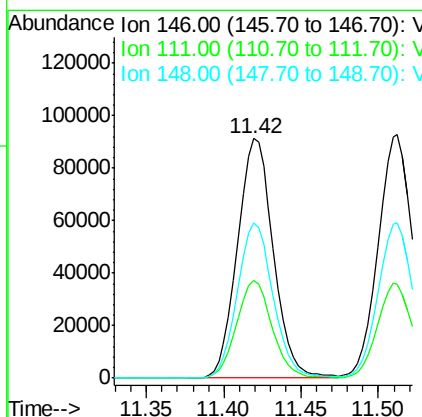
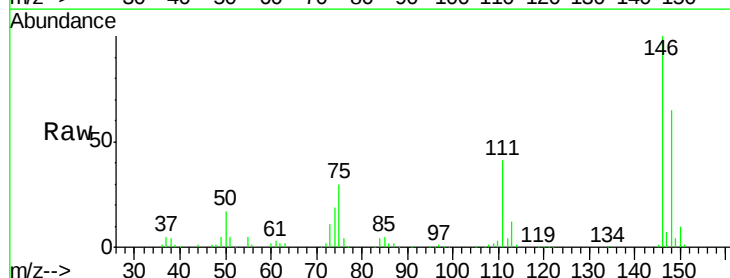
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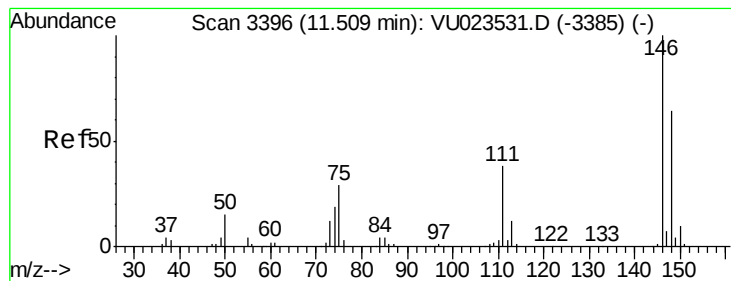
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#82
 1,3-Dichlorobenzene
 Concen: 4.66 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	147400		
111	40.3	31.8	47.6	
148	64.4	51.0	76.4	





#83

1,4-Dichlorobenzene

Concen: 4.63 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:146 Resp: 147897

Ion Ratio Lower Upper

146 100

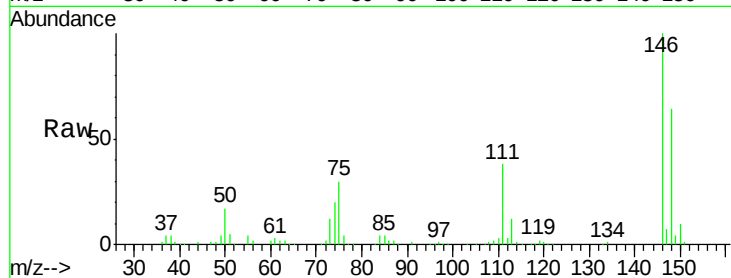
111 38.6 30.1 45.1

148 64.4 50.6 76.0

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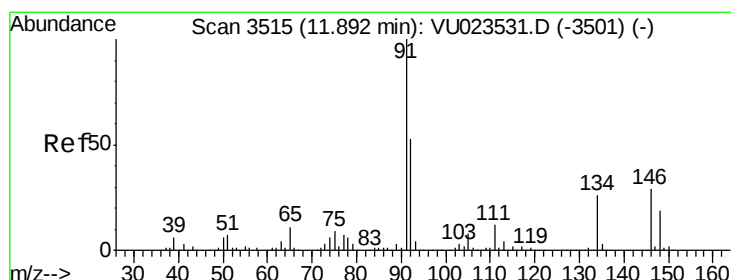
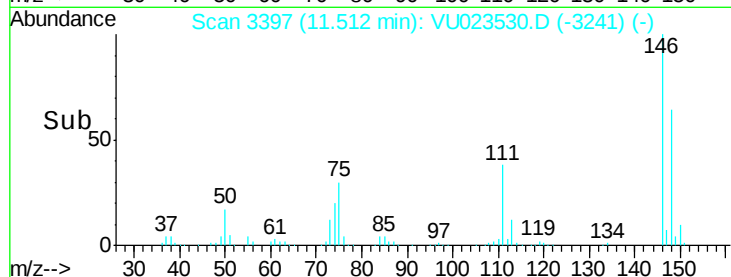
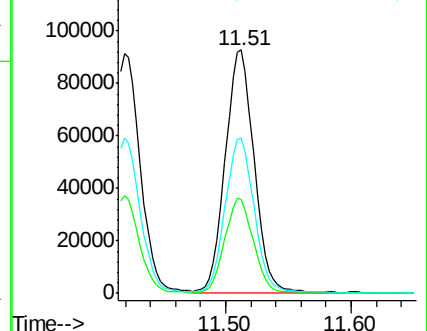
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 5.21 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU023530.D

Acq: 30 Apr 2018 16:21

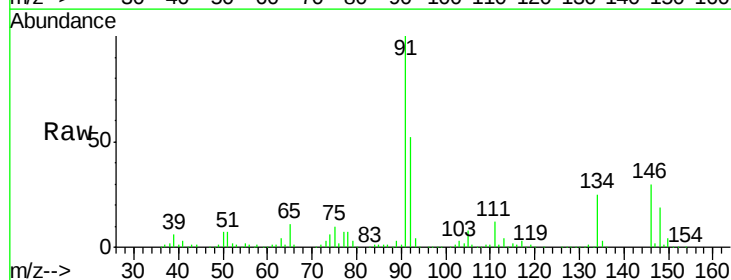
Tgt Ion: 91 Resp: 274691

Ion Ratio Lower Upper

91 100

92 51.8 42.2 63.2

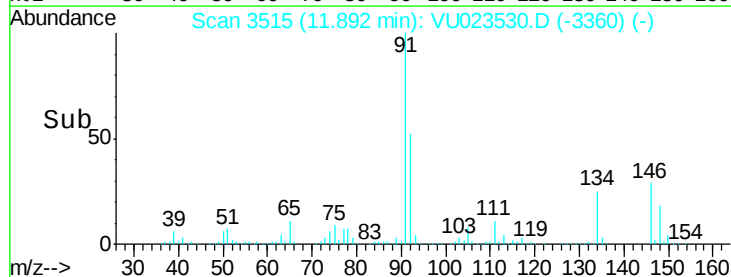
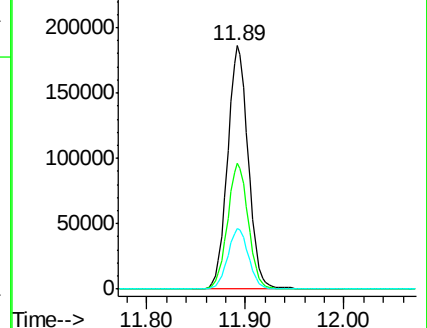
134 25.2 20.3 30.5

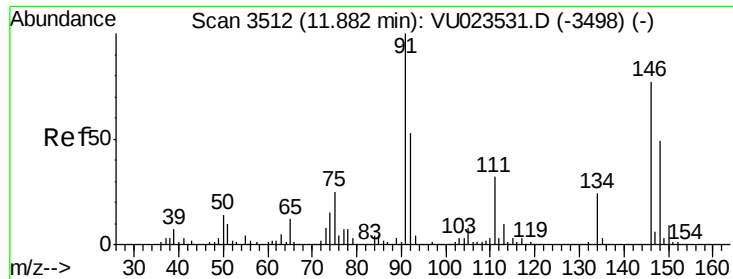


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





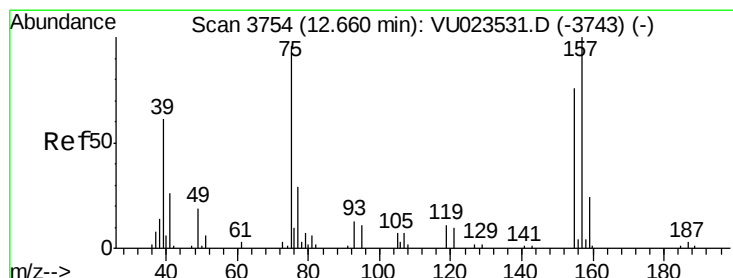
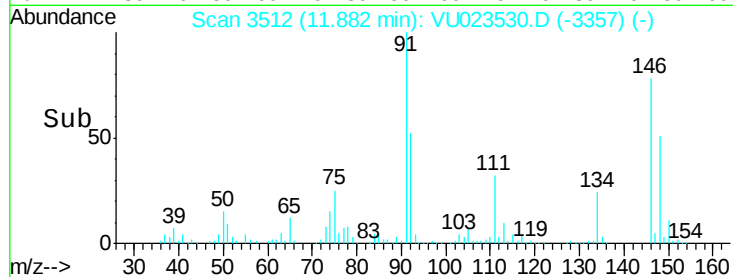
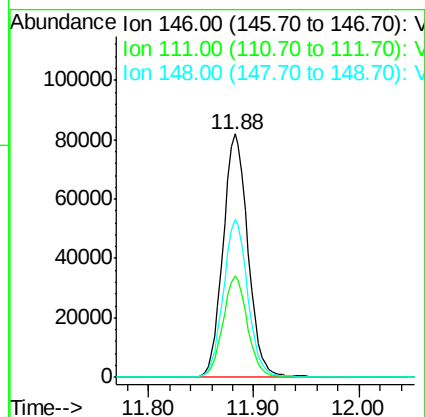
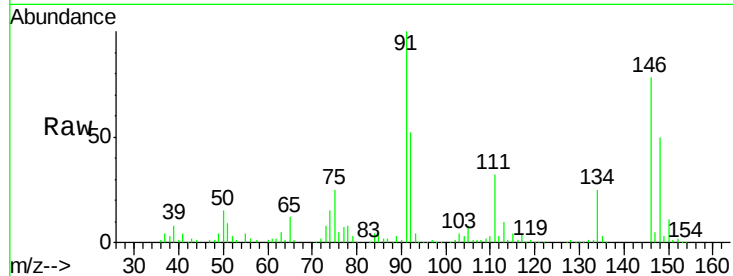
#85
 1,2-Dichlorobenzene
 Concen: 4.54 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	63.7	31.9	95.5

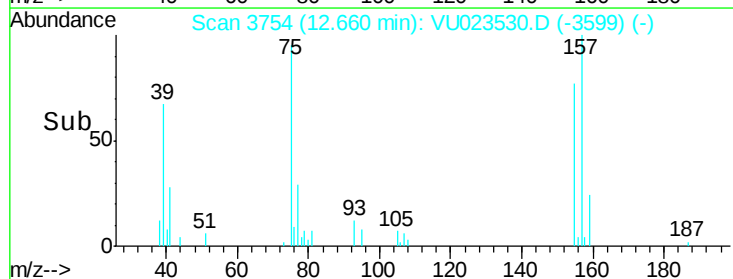
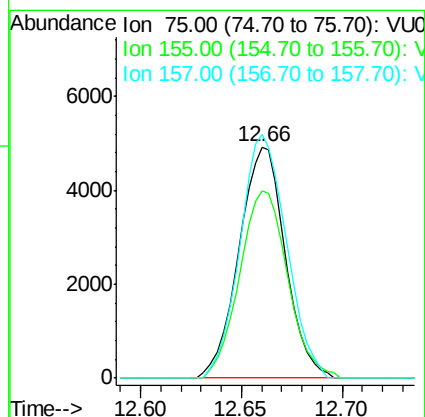
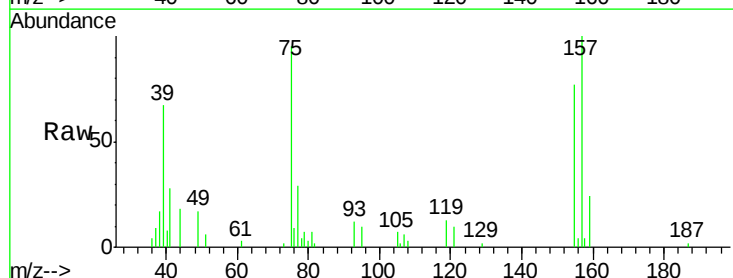
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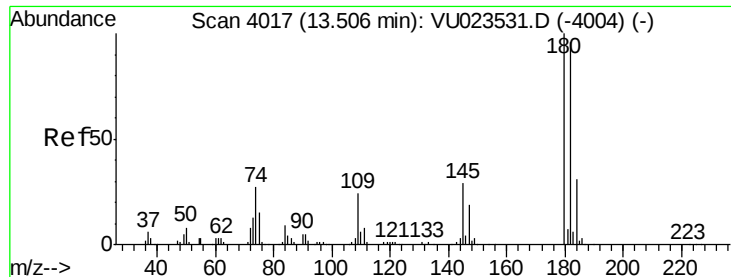
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 4.67 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.2	65.8	98.6
157	105.9	83.5	125.3





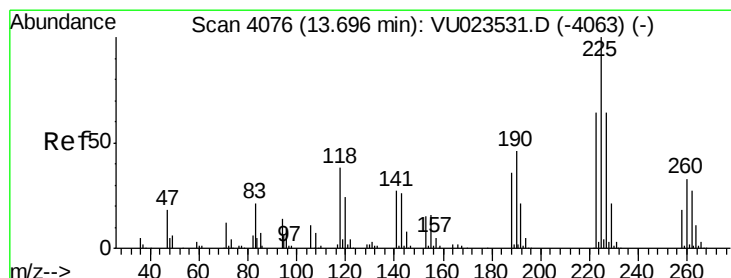
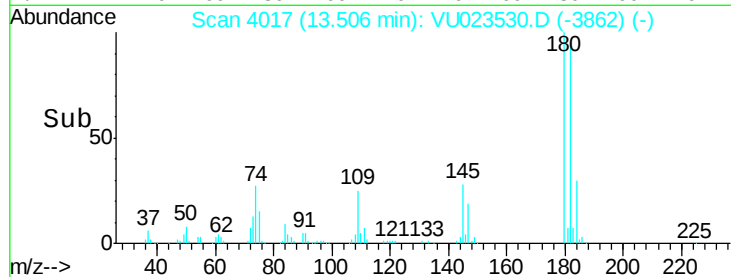
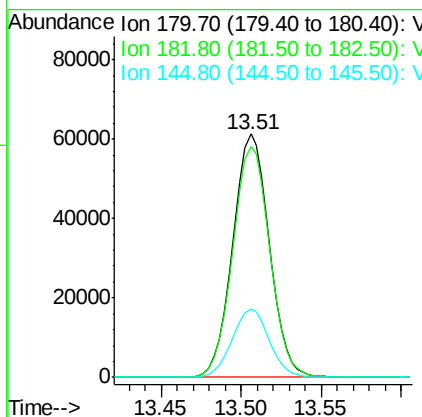
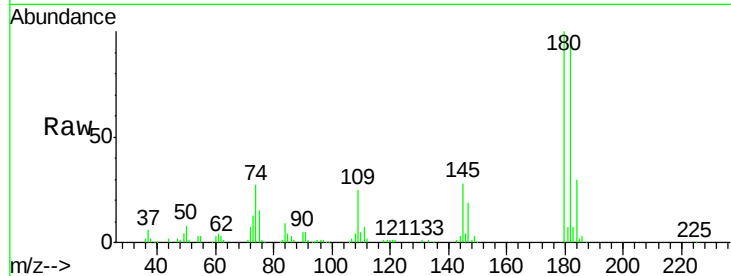
#87
 1,2,4-Trichlorobenzene
 Concen: 4.57 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	180	Resp:	94919
Ion Ratio	Lower	Upper	
180	100		
182	96.3	77.1	115.7
145	28.6	23.3	34.9

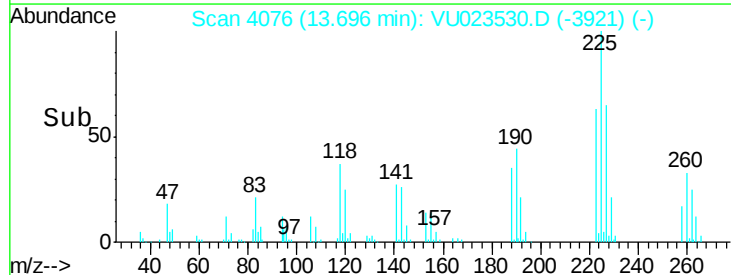
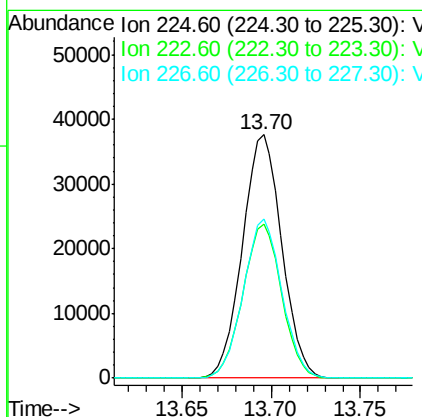
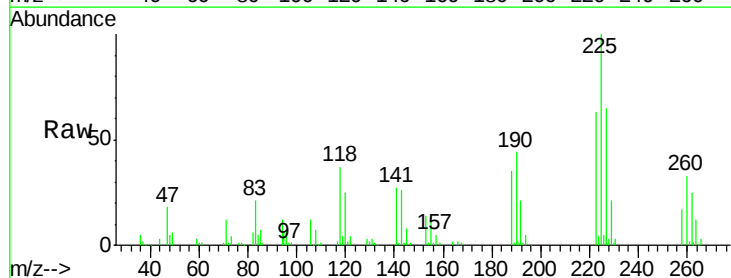
Manual Integrations
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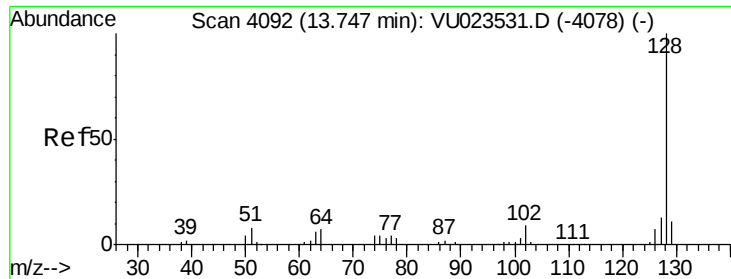
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#88
 Hexachlorobutadiene
 Concen: 5.06 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU023530.D
 Acq: 30 Apr 2018 16:21

Tgt Ion:	225	Resp:	57869
Ion Ratio	Lower	Upper	
225	100		
223	62.4	50.6	75.8
227	63.9	51.8	77.6





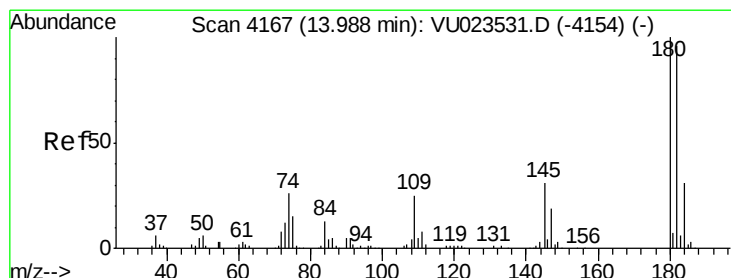
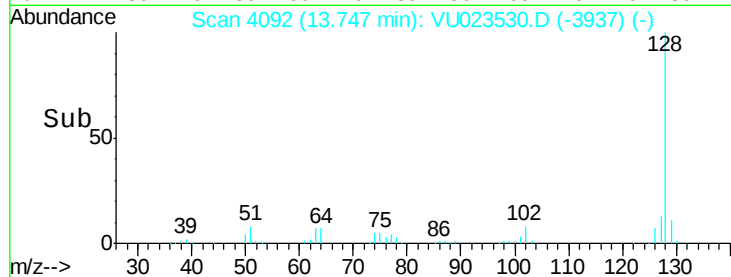
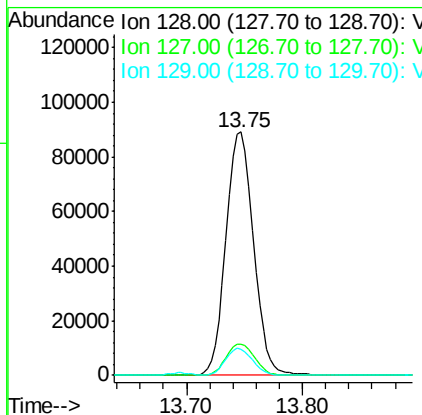
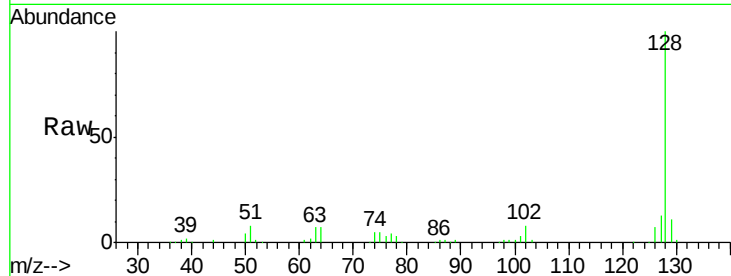
#89
Naphthalene
Concen: 4.47 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. -0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 4.58 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU023530.D
Acq: 30 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.8	115.2
145	29.8	24.6	36.8

