

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU043018\
 Data File : VU023543.D
 Acq On : 30 Apr 2018 22:54
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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 5/3/2018 4:49:23 PM

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Quant Time: May 01 05:55:16 2018
 Quant Method : W:\HPCHEM1\MSVOA U\METHOD\524U043018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 01 05:06:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	50538	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	17583	1.07	ug/l	0.00
Spiked Amount	1.000		Recovery	=	107.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	15785	0.98	ug/l	0.00
Spiked Amount	1.000		Recovery	=	98.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	160490	9.78	ug/l	100
3) Chloromethane	1.33	50	176469	9.28	ug/l	99
4) Vinyl Chloride	1.40	62	175979	9.65	ug/l	99
5) Bromomethane	1.63	94	101638	10.42	ug/l	100
6) Chloroethane	1.70	64	96203	9.48	ug/l	98
7) Trichlorofluoromethane	1.89	101	204509	9.77	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	122237	9.50	ug/l	99
9) 1,1-Dichloroethene	2.29	96	113615	9.51	ug/l	97
10) Iodomethane	2.41	142	139283	9.81	ug/l	99
11) Allyl Chloride	2.60	41	207578	9.46	ug/l	100
12) Acrylonitrile	2.95	53	50745	20.59	ug/l	97
13) Acetone	2.35	43	86968	41.58	ug/l	98
14) Carbon Disulfide	2.48	76	379487	9.66	ug/l	100
15) Methylene Chloride	2.70	84	123541	9.08	ug/l	99
16) trans-1,2-Dichloroethene	2.99	96	121778	9.52	ug/l	99
17) 1,1-Dichloroethane	3.45	63	241265	9.57	ug/l	99
18) 2-Butanone	4.30	43	160868	47.60	ug/l	100
19) Cyclohexane	4.99	56	209051	9.60	ug/l	100
20) Methylcyclohexane	6.41	83	222032	9.99	ug/l	99
21) 2,2-Dichloropropane	4.23	77	176548	8.83	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	133481	9.64	ug/l	99
23) Diethyl Ether	2.11	59	95374	9.77	ug/l	99
24) tert-Butyl Alcohol	2.89	59	65914	92.75	ug/l #	86
25) Methyl tert-Butyl Ether	3.01	73	292346	9.74	ug/l	100
26) Bromochloromethane	4.55	128	54898	10.03	ug/l	96
27) Chloroform	4.68	83	229538	9.67	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	190468	9.78	ug/l	99
29) 1,1-Dichloropropene	5.13	75	182960	9.58	ug/l	100
30) Carbon Tetrachloride	5.13	117	163035	9.95	ug/l	99
31) Isopropyl Ether	3.58	45	404920	9.52	ug/l	99
32) Ethyl-t-butyl ether	4.08	59	352300	9.69	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	300245	9.76	ug/l	99
34) Propionitrile	4.37	54	46121	47.93	ug/l #	95
35) Benzene	5.39	78	572897	10.09	ug/l	99
36) 1,2-Dichloroethane	5.41	62	160075	9.97	ug/l	100
37) Trichloroethene	6.18	130	143256	9.40	ug/l	97
38) 1,2-Dichloropropane	6.44	63	153725	9.87	ug/l	98
39) Methacrylonitrile	4.56	41	46699	9.49	ug/l	95
40) Methyl acrylate	4.44	55	68878	10.09	ug/l	99
41) Tetrahydrofuran	4.67	42	45773	18.05	ug/l	99
42) 1-Chlorobutane	5.07	56	270859	9.78	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	67236	10.04	ug/l	99
44) Bromodichloromethane	6.76	83	168858	10.03	ug/l	99
45) 4-Methyl-2-Pentanone	7.48	43	418229	52.84	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	52731m	22.53	ug/l	
47) Methyl methacrylate	6.64	69	127390	20.99	ug/l	99
48) Ethyl methacrylate	8.03	69	113972	10.74	ug/l	99
49) Toluene	7.64	92	339154	10.34	ug/l	98
50) t-1,3-Dichloropropene	7.89	75	151613	10.55	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	190298	10.18	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	96446	10.12	ug/l	99
53) 1,3-Dichloropropane	8.25	76	173794	10.26	ug/l	100
54) 2-Hexanone	8.37	43	282445	52.38	ug/l	100
55) Dibromochloromethane	8.48	129	108185	10.36	ug/l	99
56) 1,2-Dibromoethane	8.59	107	84364	10.27	ug/l	99
58) Tetrachloroethene	8.23	164	142847	10.28	ug/l	97
59) Chlorobenzene	9.12	112	360477	10.27	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	120547	10.11	ug/l	99
61) Pentachloroethane	11.10	117	83798	9.90	ug/l	96
62) Hexachloroethane	12.15	117	81668	10.05	ug/l	99
63) Ethyl Benzene	9.25	91	624609	10.70	ug/l	99
64) m/p-Xylenes	9.38	106	494127	21.96	ug/l	100
65) o-Xylene	9.78	106	232689	10.74	ug/l	98
66) Styrene	9.80	104	403828	11.30	ug/l	100
67) Bromoform	9.96	173	58236	10.68	ug/l	100
69) Isopropylbenzene	10.17	105	601906	10.78	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	112087	10.44	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	82902m	10.78	ug/l	
72) Bromobenzene	10.46	156	144854	10.42	ug/l	96
73) n-propylbenzene	10.59	120	169549	10.99	ug/l	100
74) 2-Chlorotoluene	10.66	126	148246	10.87	ug/l	98
75) 1,3,5-Trimethylbenzene	10.78	105	527292	11.21	ug/l	99
76) 4-Chlorotoluene	10.78	126	152500	10.79	ug/l	99
77) tert-Butylbenzene	11.10	119	471253	10.70	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	530234	11.17	ug/l	99
79) sec-Butylbenzene	11.33	105	667689	10.82	ug/l	100
80) Nitrobenzene	12.87	77	21055	47.47	ug/l	98
81) p-Isopropyltoluene	11.48	119	561129	11.07	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	284979	10.27	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	290503	10.49	ug/l	100
84) n-Butylbenzene	11.89	91	531301	10.73	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	256112	10.23	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	15437	10.18	ug/l	98
87) 1,2,4-Trichlorobenzene	13.51	180	184284	10.17	ug/l	99
88) Hexachlorobutadiene	13.70	225	108760	9.90	ug/l	100
89) Naphthalene	13.75	128	301054	11.04	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	174645	10.27	ug/l	100

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

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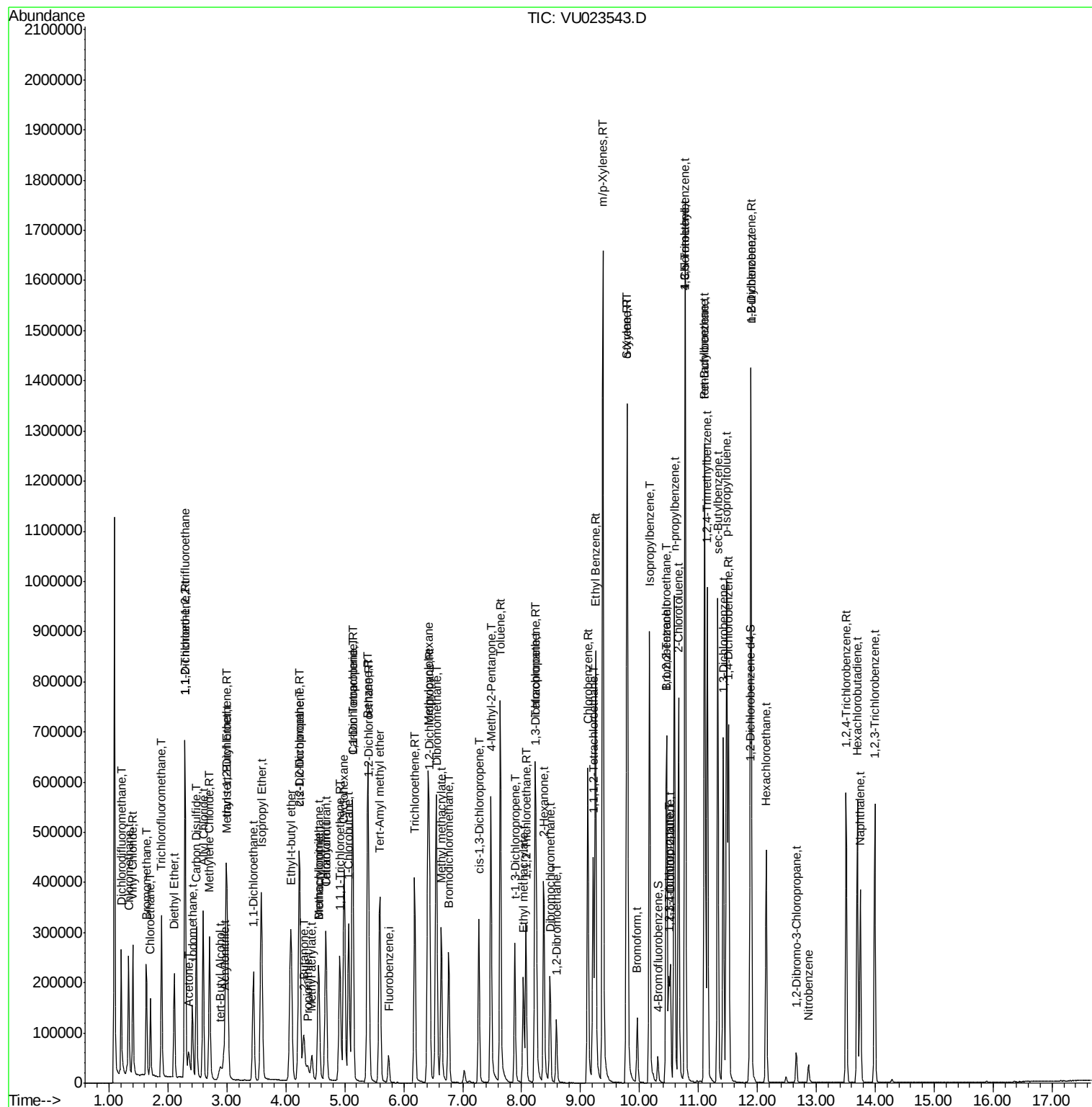
Instrument :
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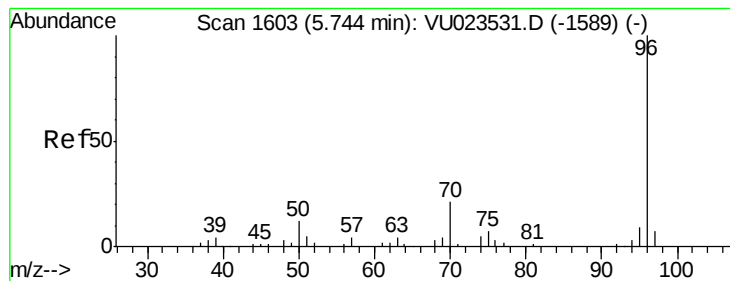
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#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

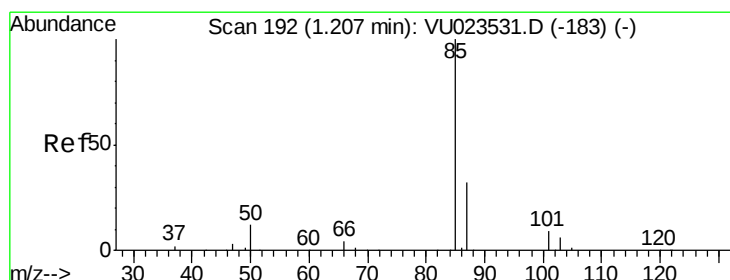
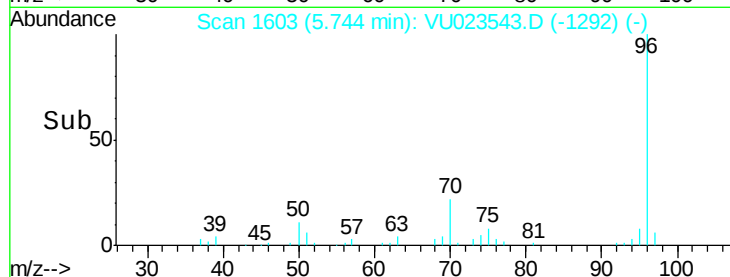
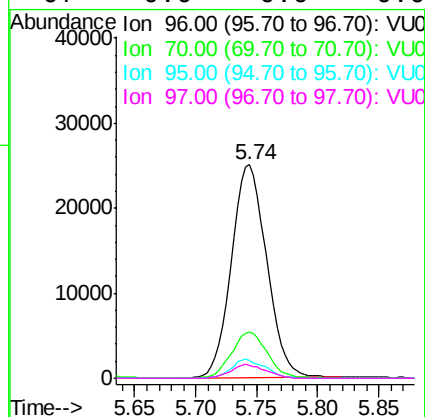
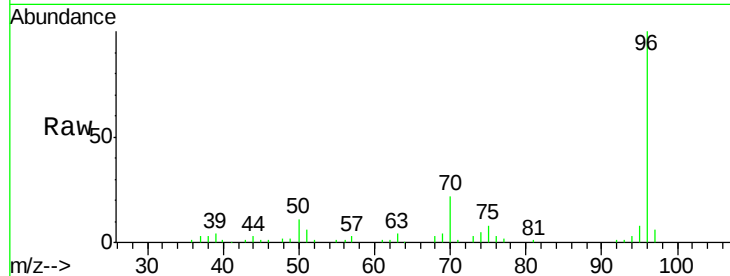
Tot Ion:	96	Resp:	50538
Ion	Ratio	Lower	Upper
96	100		
70	21.7	16.2	24.4
95	8.5	6.9	10.3
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 9.78 ug/l

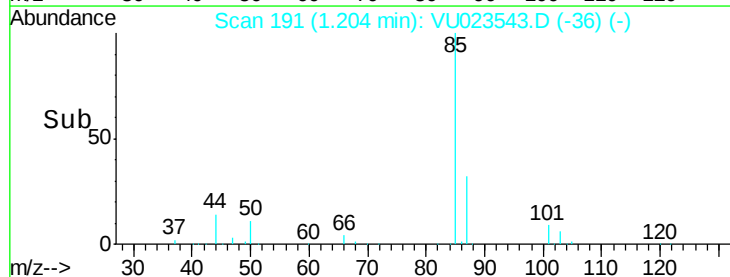
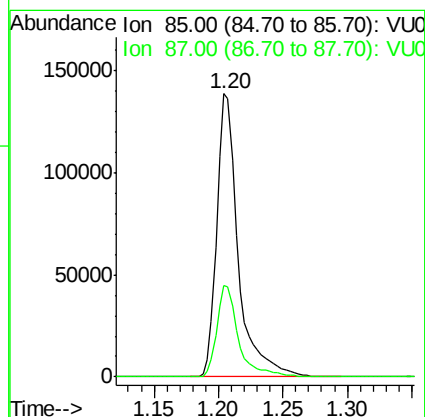
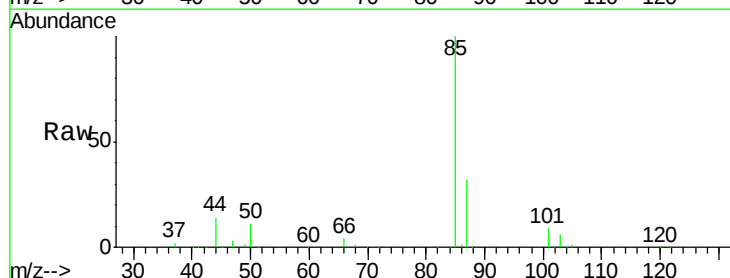
RT: 1.20 min Scan# 191

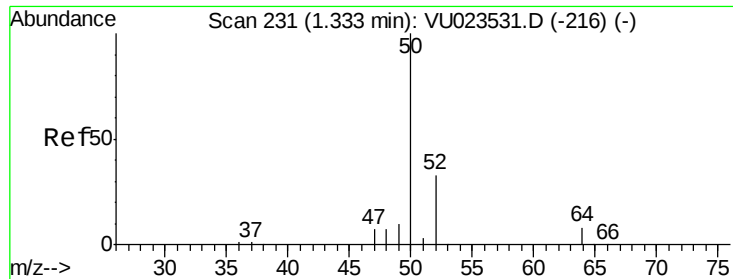
Delta R.T. -0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Tgt Ion:	85	Resp:	160490
Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.2	48.5





#3

Chloromethane

Concen: 9.28 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 176469

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0

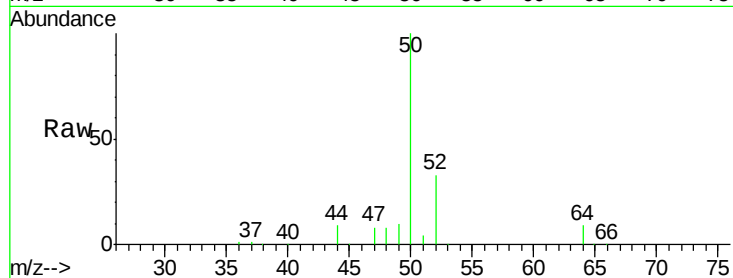
Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

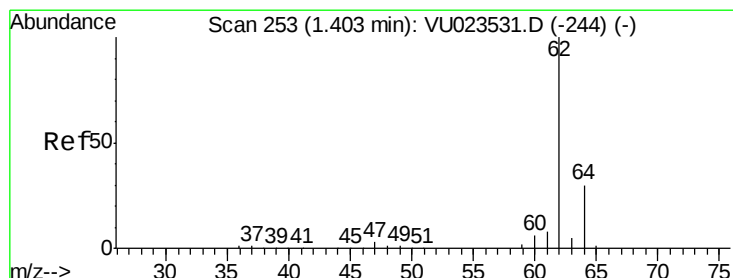
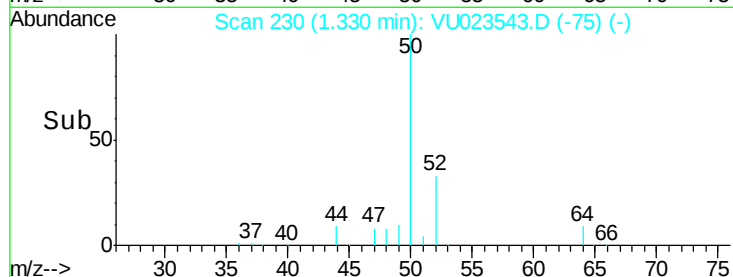
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 9.65 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU023543.D

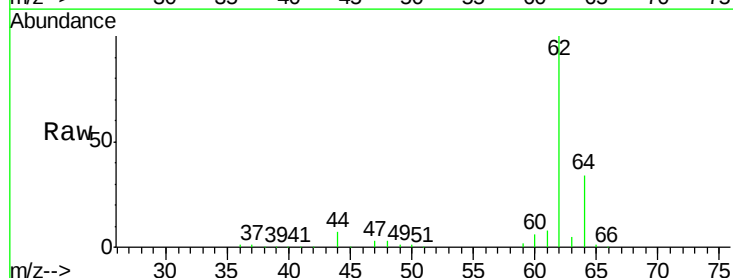
Acq: 30 Apr 2018 22:54

Tgt Ion: 62 Resp: 175979

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

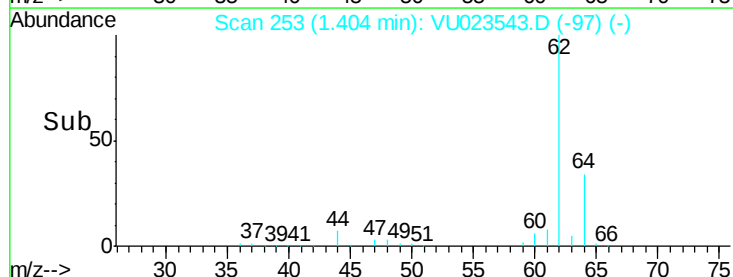
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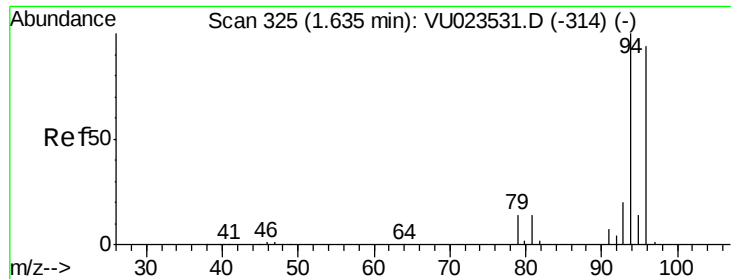
100000

50000

0

Time-->





#5

Bromomethane

Concen: 10.42 ug/l

RT: 1.63 min Scan# 324

Delta R.T. -0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 101638

Ion Ratio Lower Upper

94 100

96 93.7 75.1 112.7

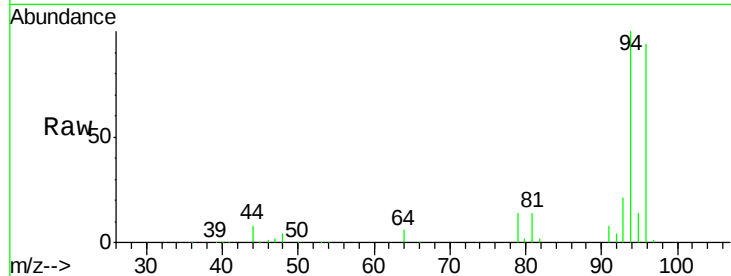
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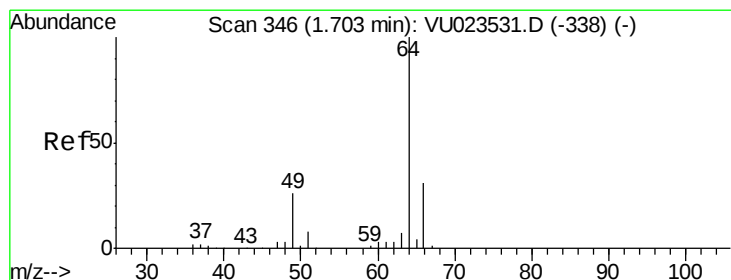
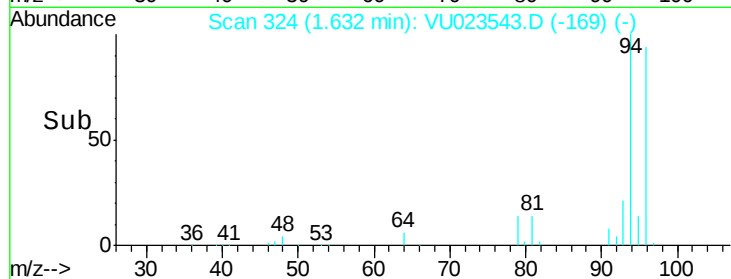
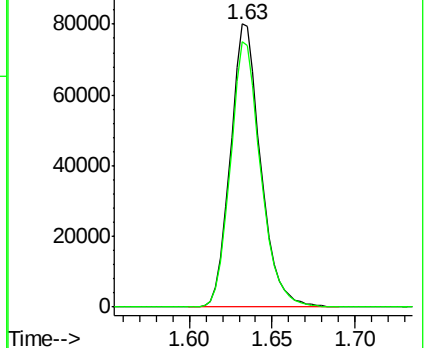
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 9.48 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU023543.D

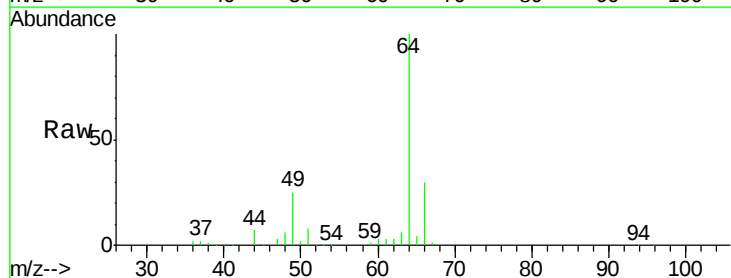
Acq: 30 Apr 2018 22:54

Tgt Ion: 64 Resp: 96203

Ion Ratio Lower Upper

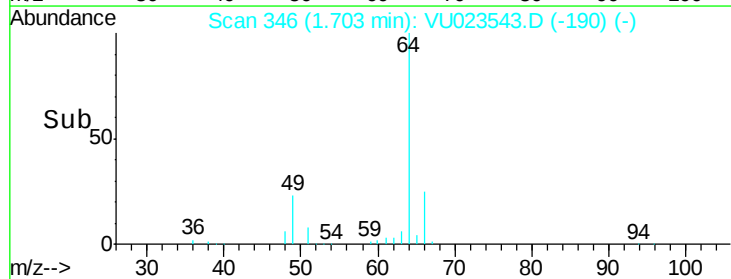
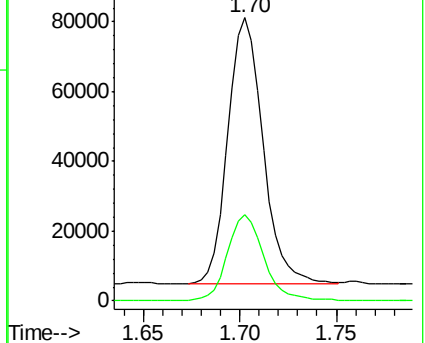
64 100

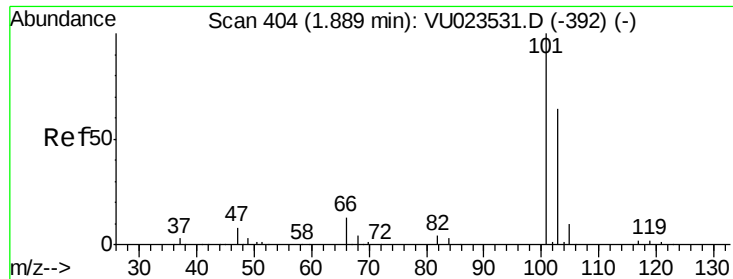
66 32.1 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 9.77 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

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Tot Ion:101 Resp: 204509

Ion Ratio Lower Upper

101 100

103 64.7 51.4 77.0

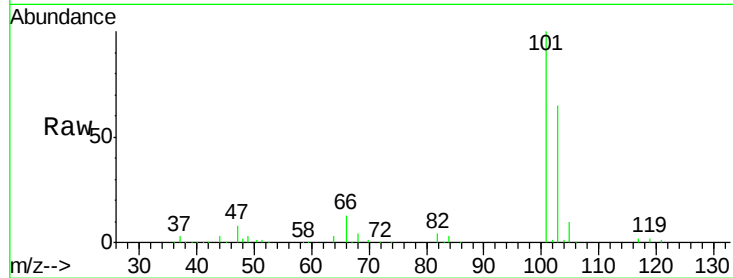
Manual Integrations

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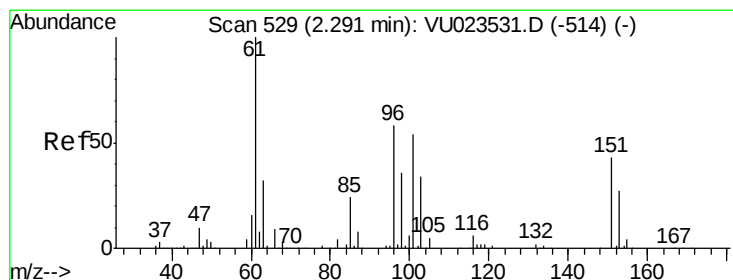
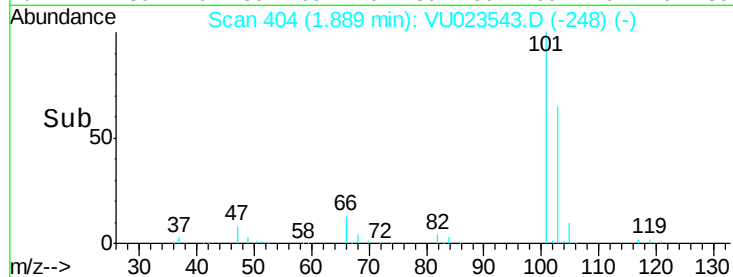
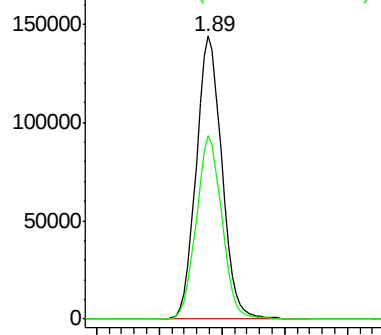
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 9.50 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

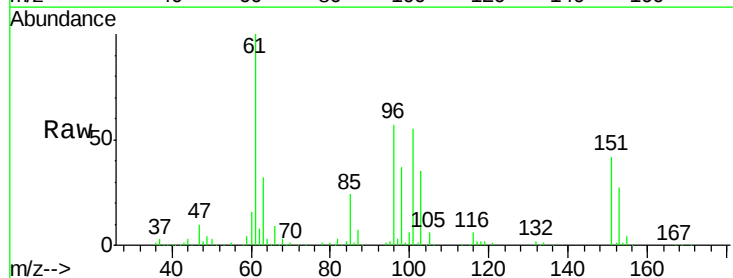
Tgt Ion:101 Resp: 122237

Ion Ratio Lower Upper

101 100

85 43.6 35.2 52.8

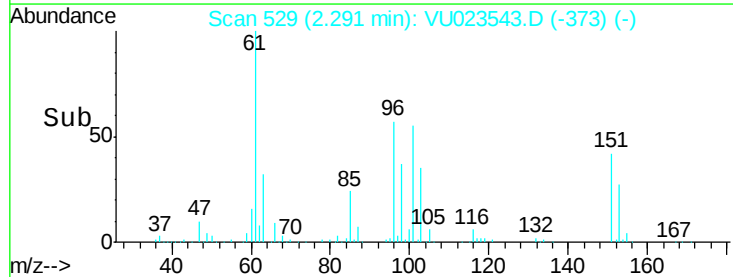
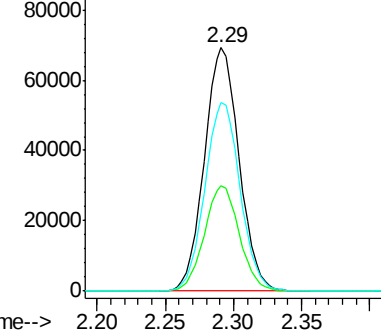
151 78.7 63.5 95.3

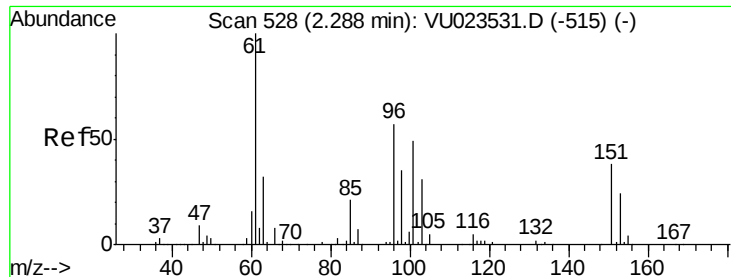


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9
 1,1-Dichloroethene
 Concen: 9.51 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
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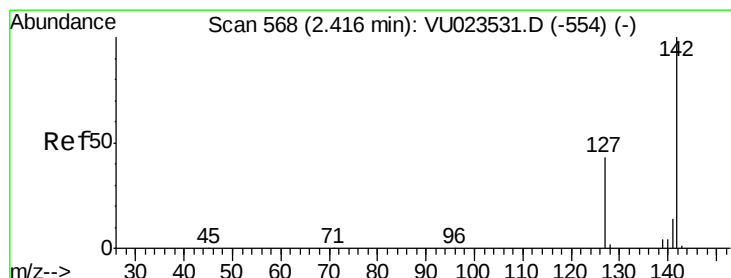
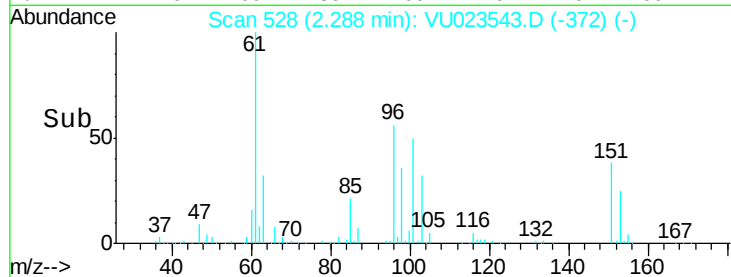
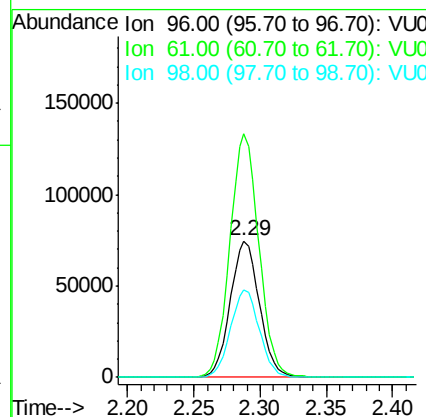
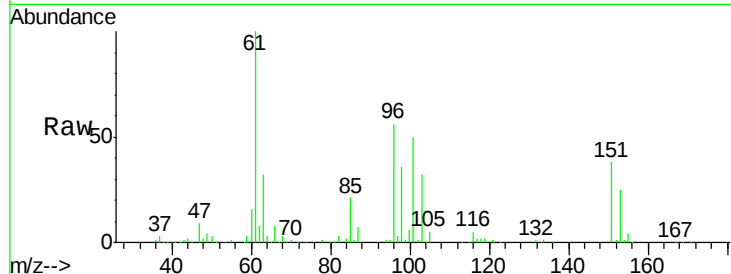
Instrument :
 MSVOA_U
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 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	178.9	0.0	526.5	
98	64.4	0.0	123.4	

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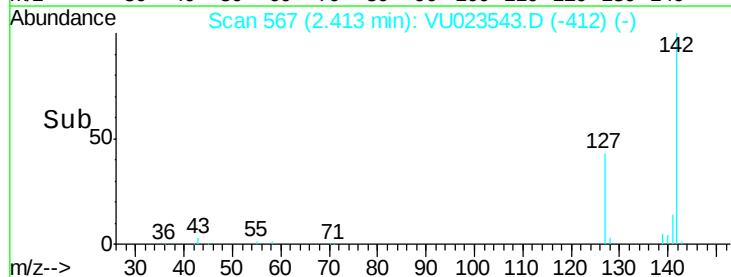
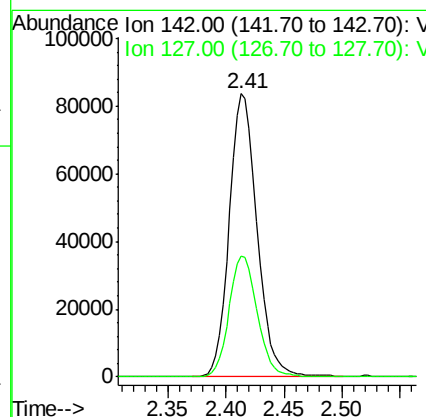
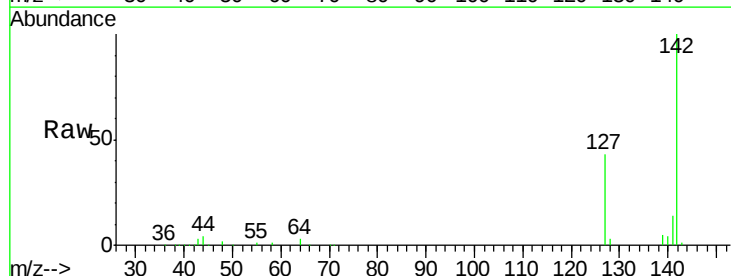
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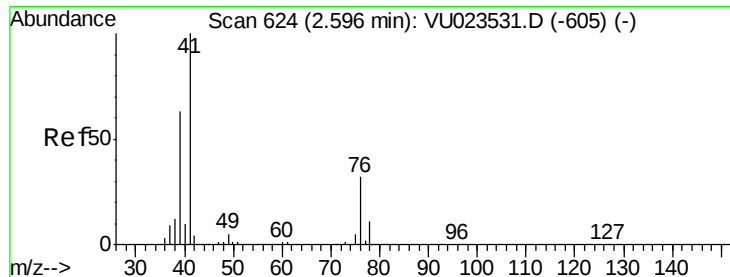
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#10
 Iodomethane
 Concen: 9.81 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
127	43.5	34.5	51.7	





#11
Allvl Chloride
Concen: 9.46 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

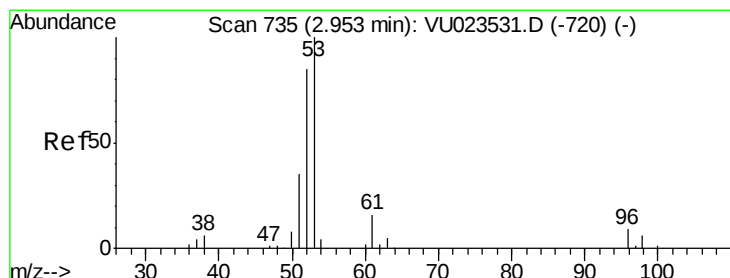
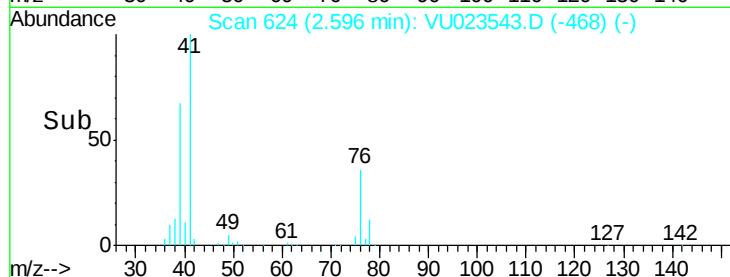
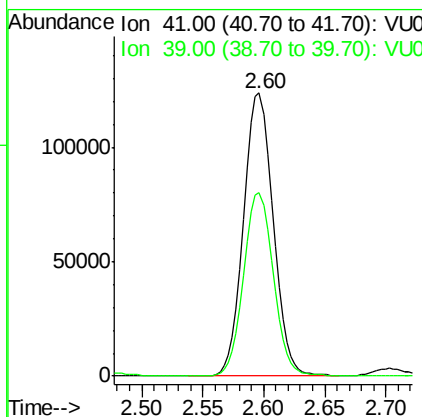
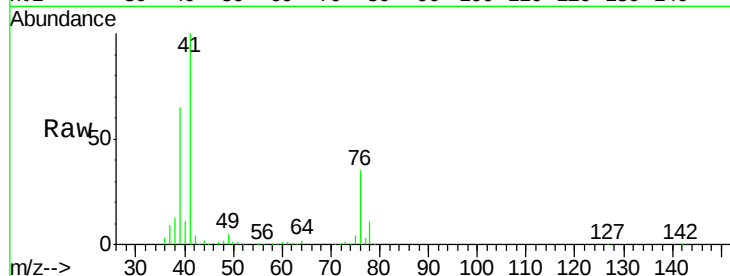
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.5	51.4	77.2

Manual Integrations
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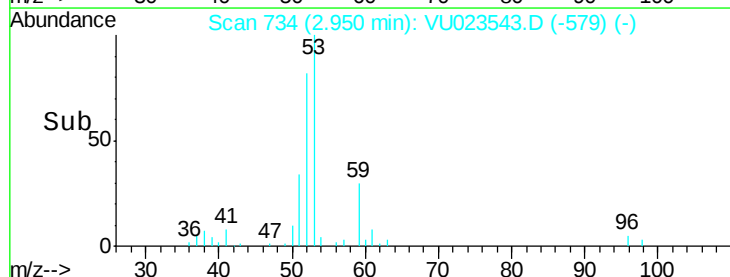
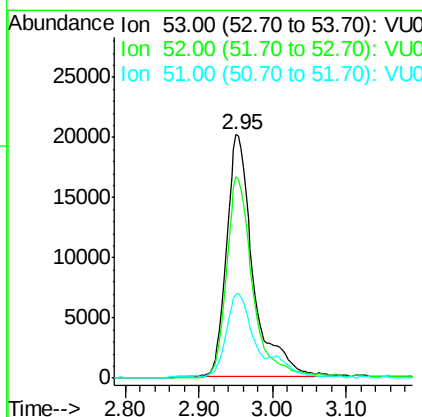
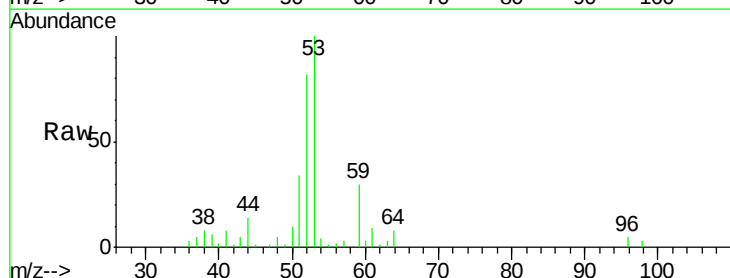
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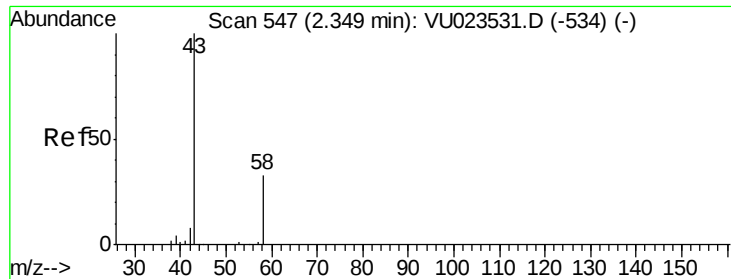
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#12
Acrylonitrile
Concen: 20.59 ug/l
RT: 2.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.1	97.7
51	32.3	30.2	45.4





#13

Acetone

Concen: 41.58 ug/l

RT: 2.35 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 86968

Ion Ratio Lower Upper

43 100

58 31.6 26.0 39.0

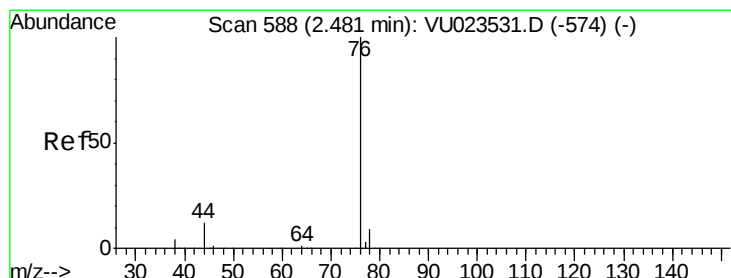
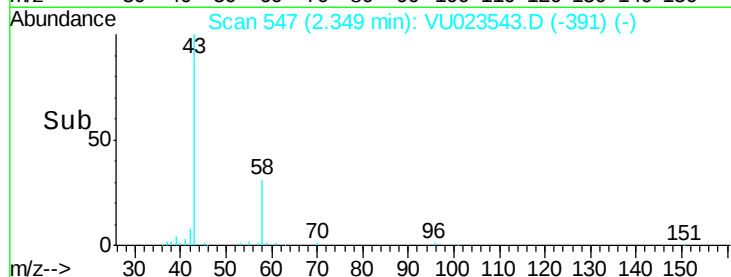
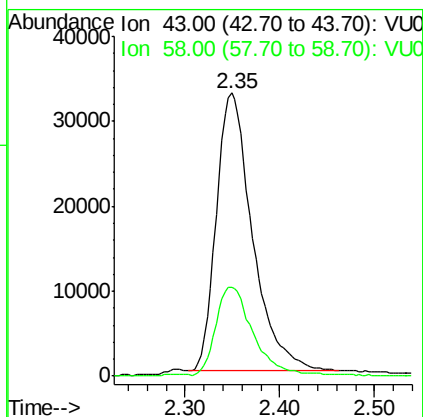
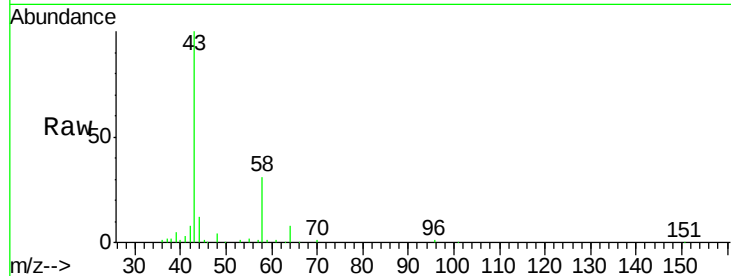
Manual Integrations

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#14

Carbon Disulfide

Concen: 9.66 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU023543.D

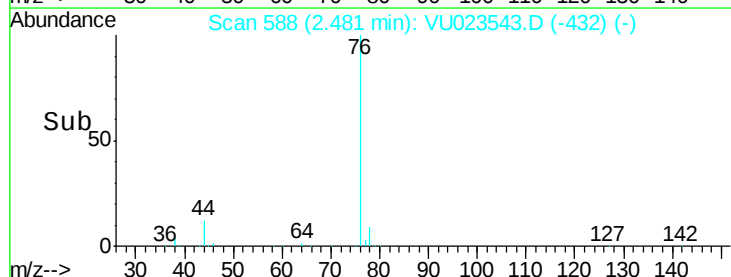
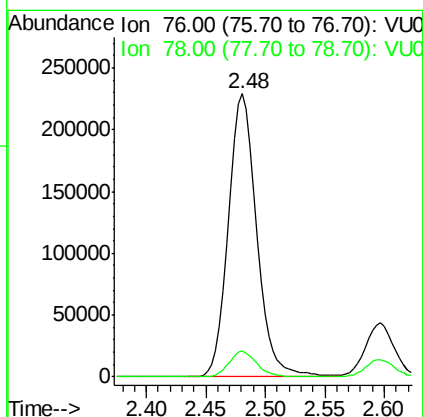
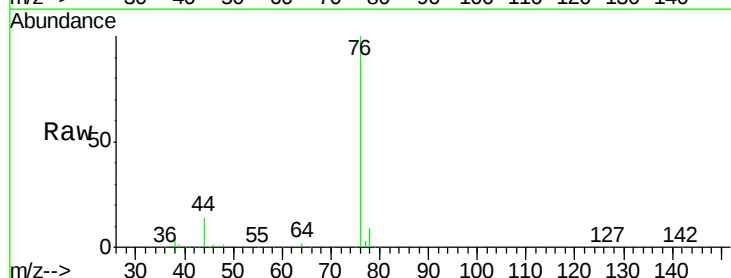
Acq: 30 Apr 2018 22:54

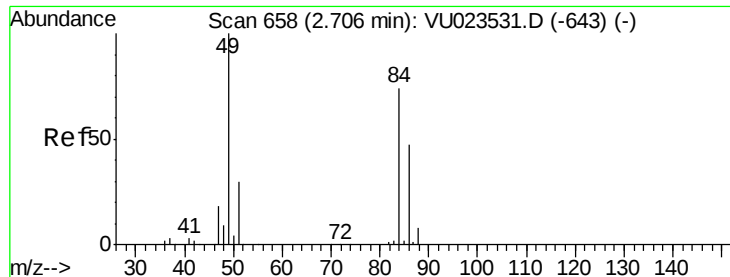
Tgt Ion: 76 Resp: 379487

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15
Methvlene Chloride
Concen: 9.08 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

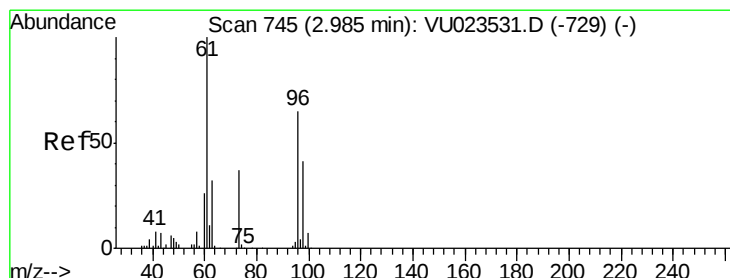
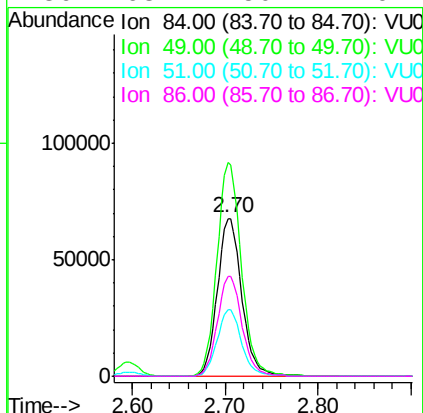
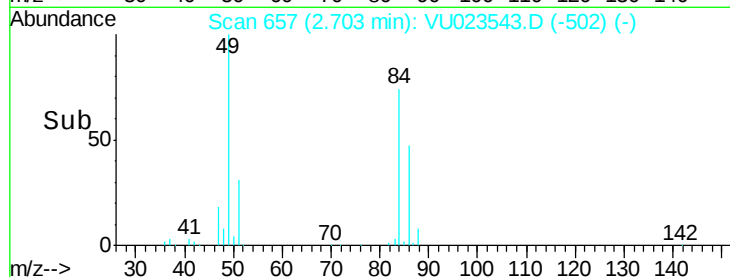
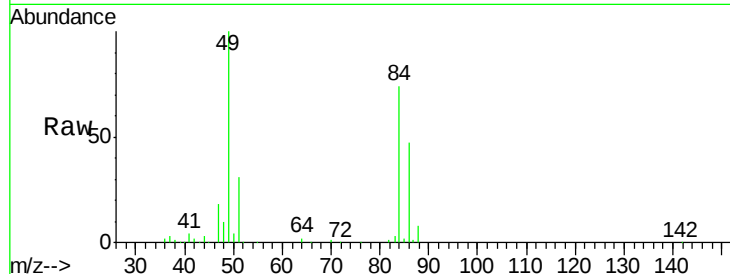
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	84	Resp:	123541
Ion	Ratio	Lower	Upper
84	100		
49	135.4	108.7	163.1
51	42.1	0.0	82.4
86	63.4	50.7	76.1

Manual Integrations
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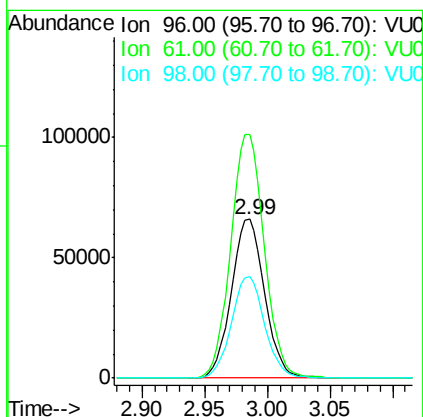
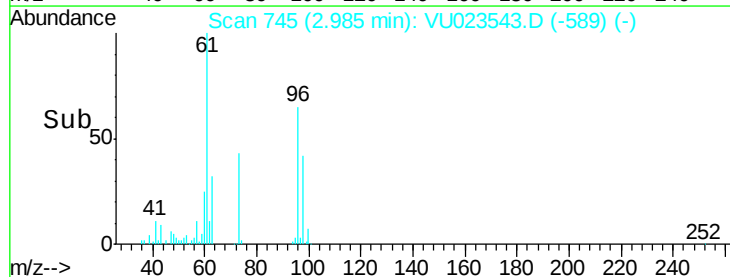
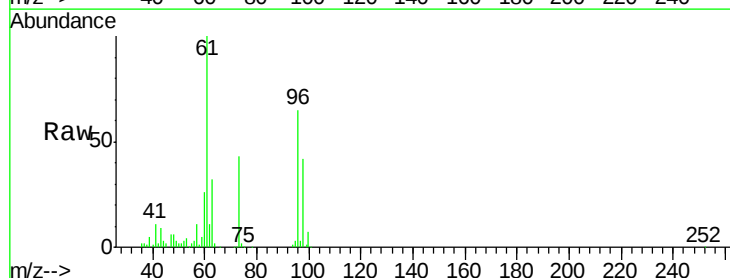
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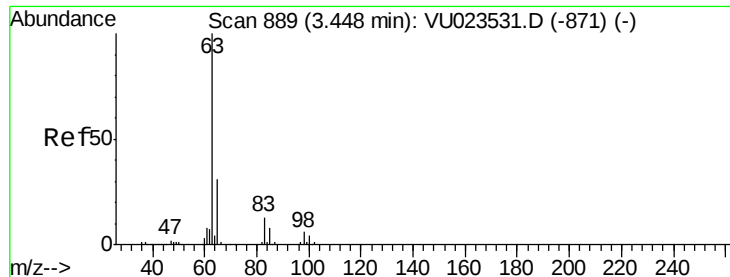
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#16
trans-1,2-Dichloroethene
Concen: 9.52 ug/l
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion:	96	Resp:	121778
Ion	Ratio	Lower	Upper
96	100		
61	153.2	123.9	185.9
98	63.7	50.6	76.0





#17
 1,1-Dichloroethane
 Concen: 9.57 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

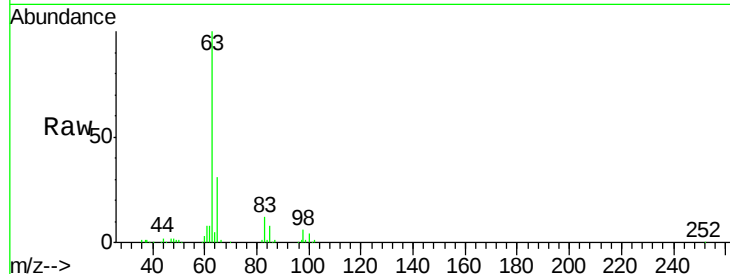
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	241265		
98	6.3		2.9	8.8
100	3.8		2.0	5.8

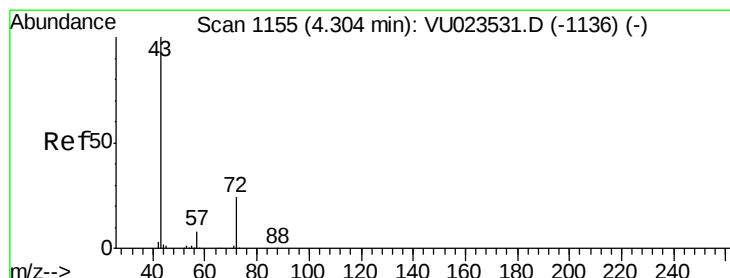
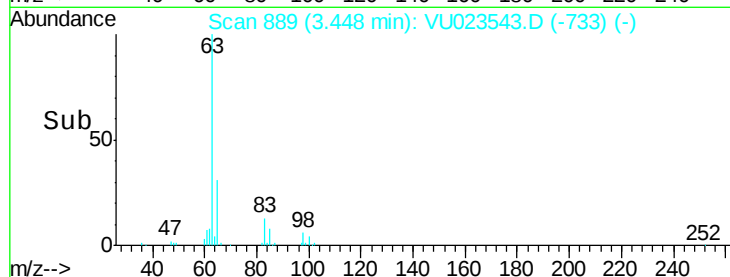
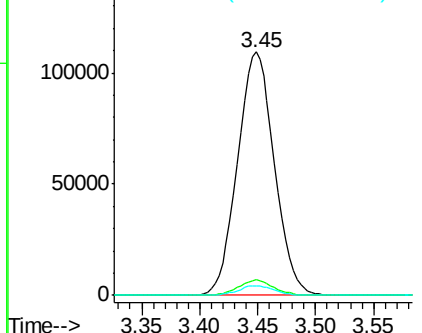
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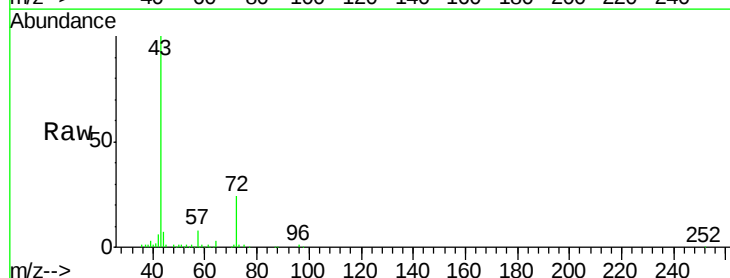


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

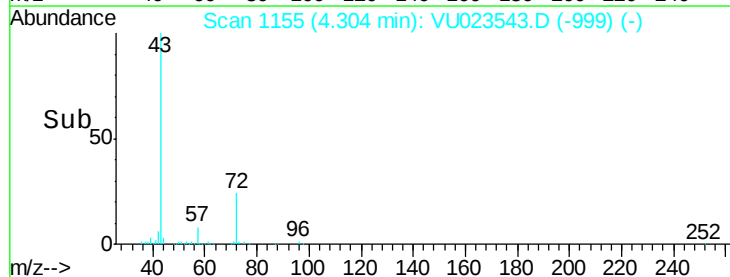
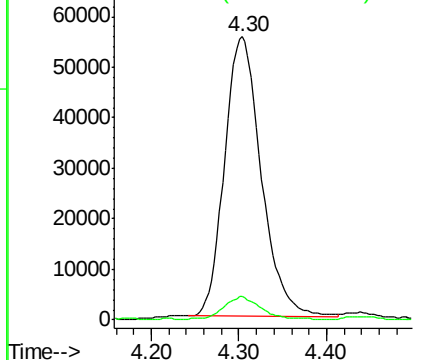


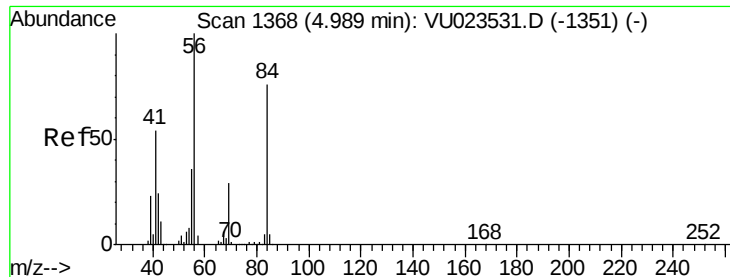
#18
 2-Butanone
 Concen: 47.60 ug/l
 RT: 4.30 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	160868		
57	7.9		0.0	15.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#19
Cyclohexane
Concen: 9.60 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

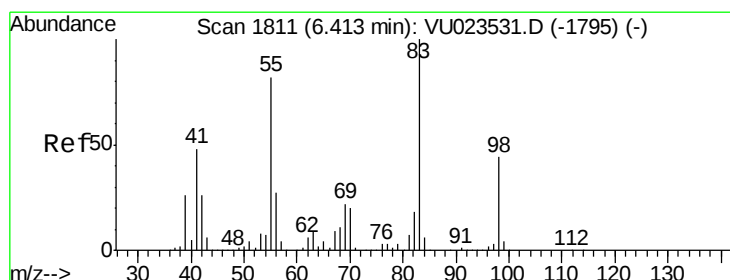
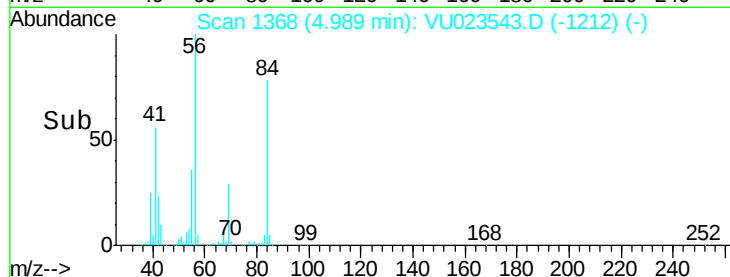
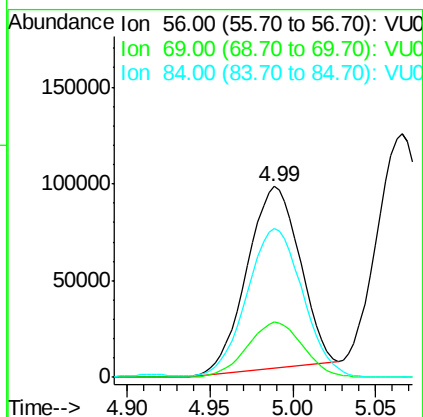
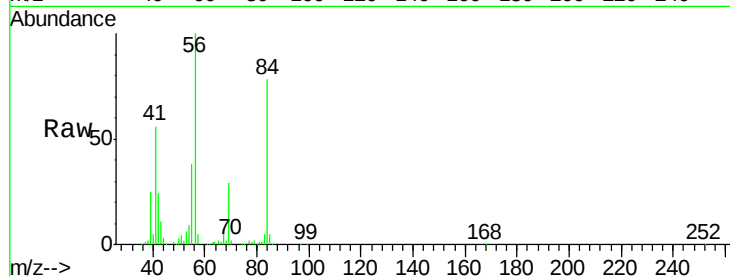
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	26.0	39.0
84	85.3	68.3	102.5

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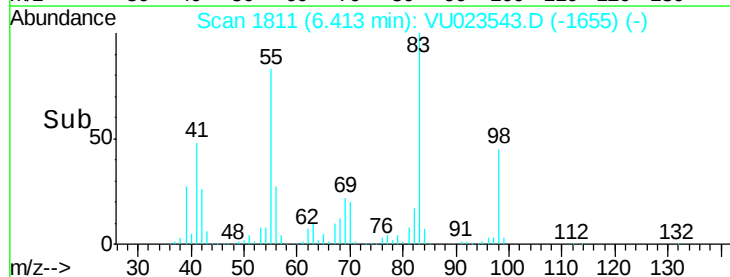
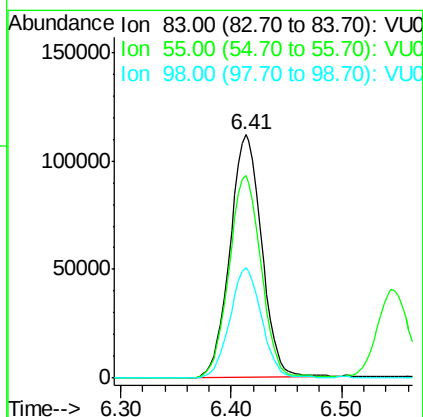
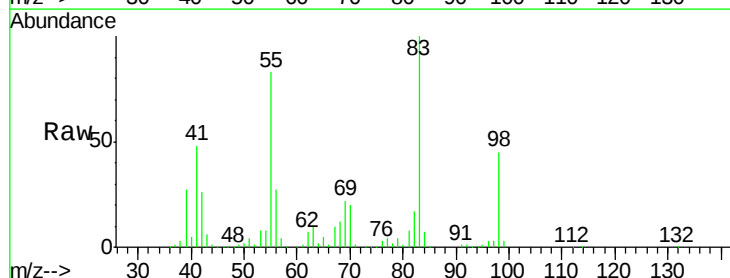
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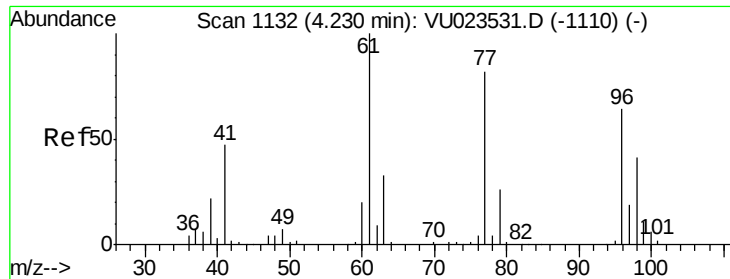
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#20
Methylcyclohexane
Concen: 9.99 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.4	66.4	99.6
98	45.0	35.4	53.2





#21
 2,2-Dichloropropane
 Concen: 8.83 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

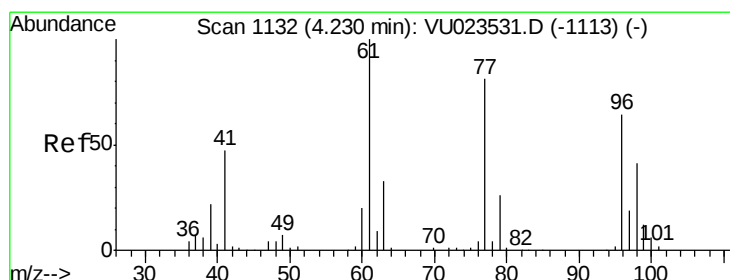
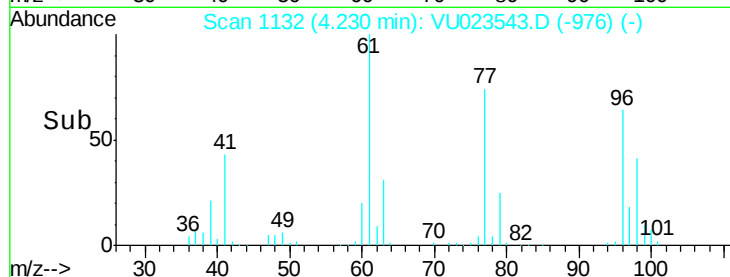
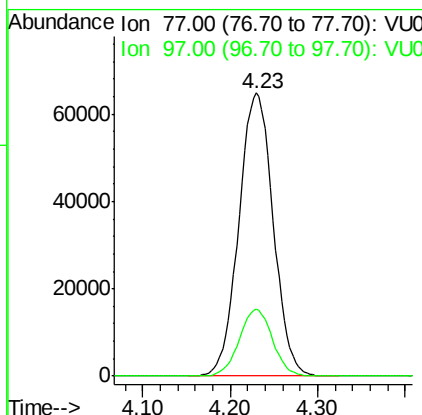
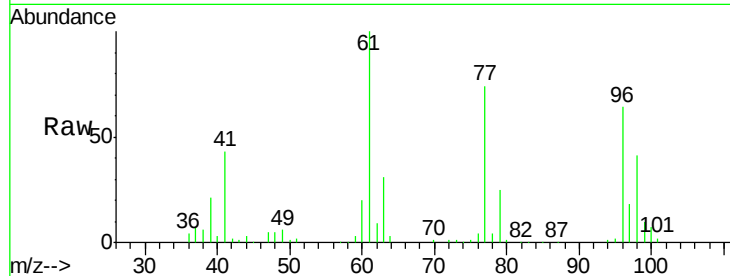
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 77 Resp: 176548
 Ion Ratio Lower Upper
 77 100
 97 22.8 17.9 26.9

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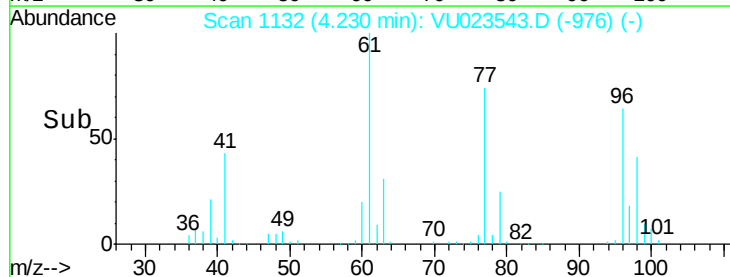
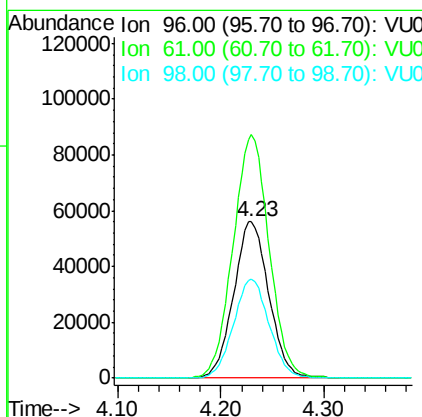
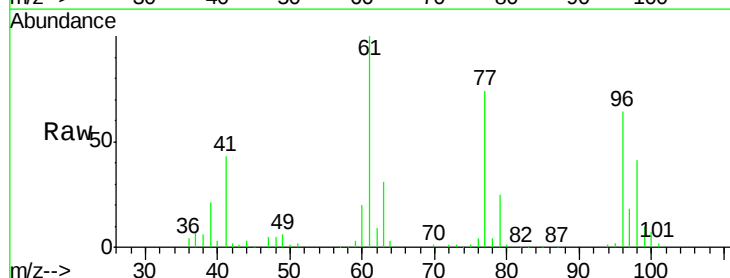
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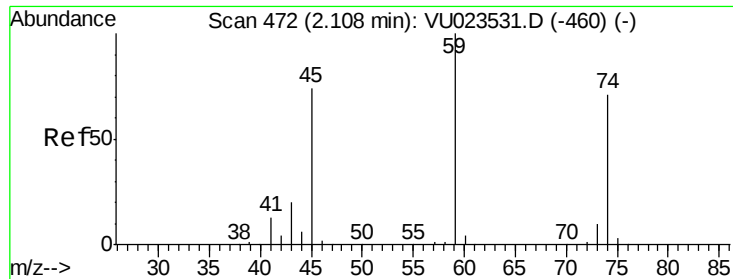
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#22
 cis-1,2-Dichloroethene
 Concen: 9.64 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion: 96 Resp: 133481
 Ion Ratio Lower Upper
 96 100
 61 159.3 0.0 400.5
 98 63.9 32.2 96.6





#23

Diethyl Ether

Concen: 9.77 ug/l

RT: 2.11 min Scan# 472

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

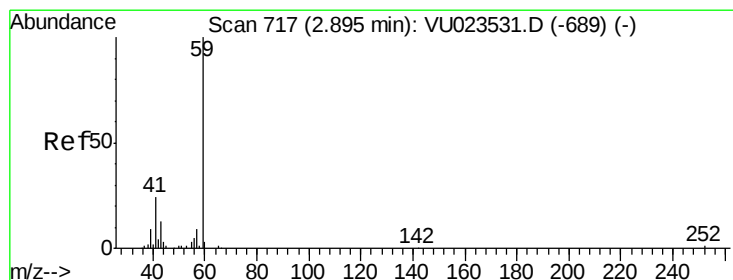
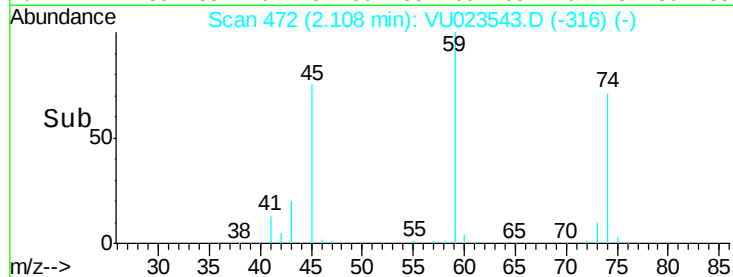
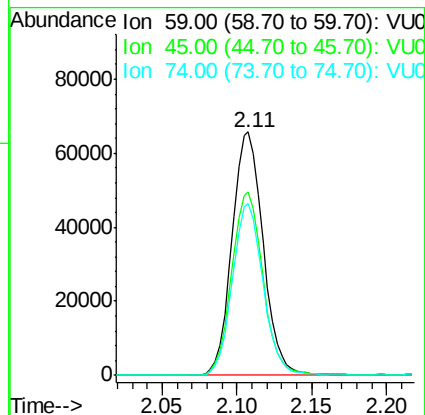
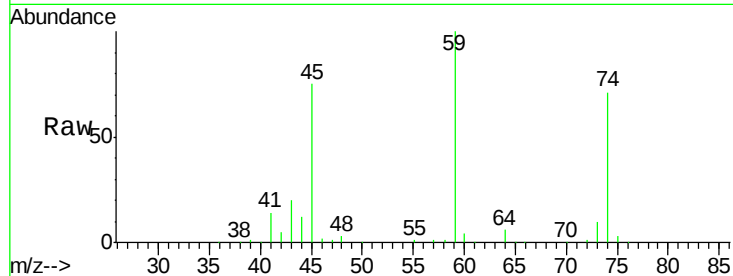
Tot Ion:	59	Resp:	95374
Ion	Ratio	Lower	Upper
59	100		
45	76.1	60.0	90.0
74	69.5	56.5	84.7

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 92.75 ug/l

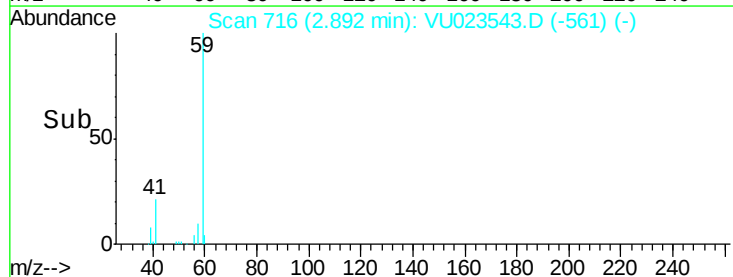
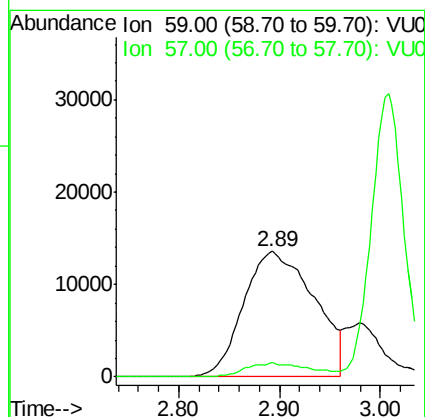
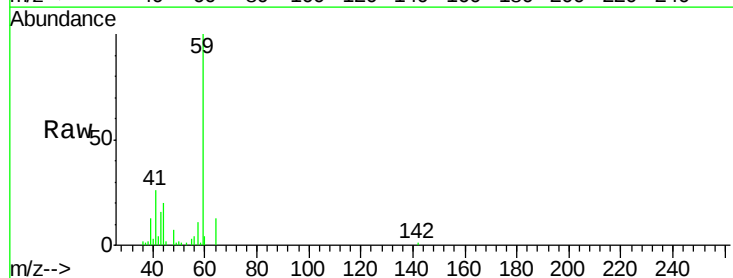
RT: 2.89 min Scan# 716

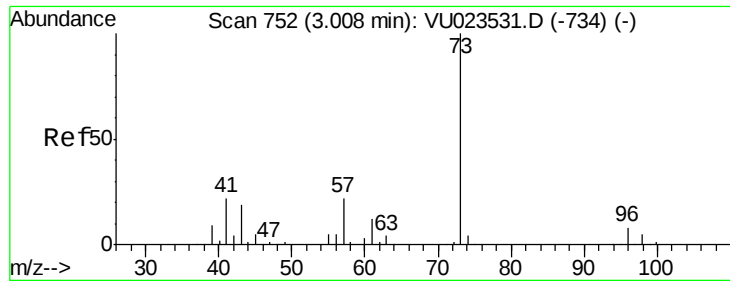
Delta R.T. -0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Tgt Ion:	59	Resp:	65914
Ion	Ratio	Lower	Upper
59	100		
57	8.9	3.4	5.2#





#25

Methyl tert-Butyl Ether
 Concen: 9.74 ug/l
 RT: 3.01 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

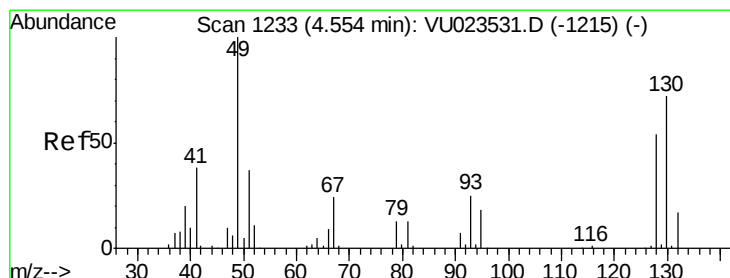
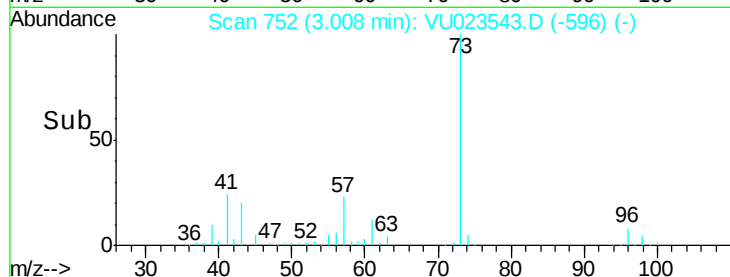
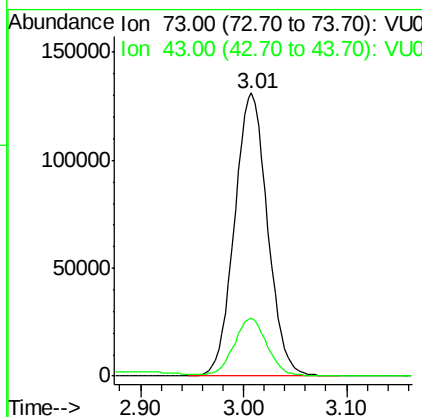
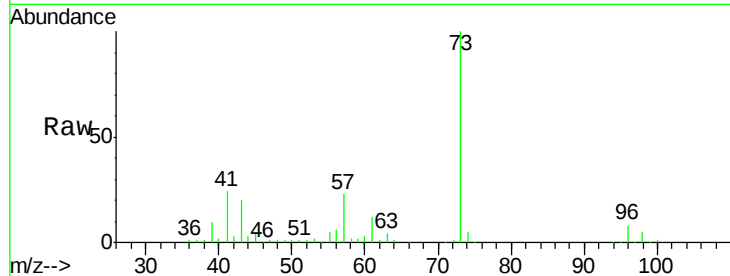
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.4	16.2	24.2

Manual Integrations
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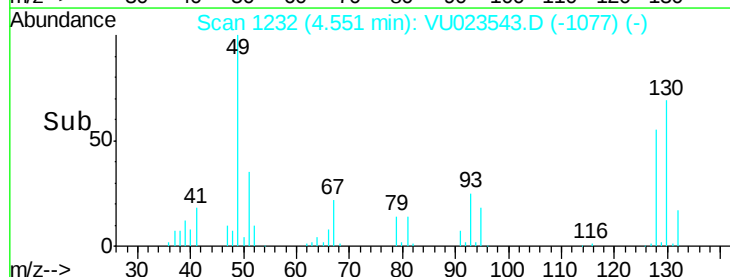
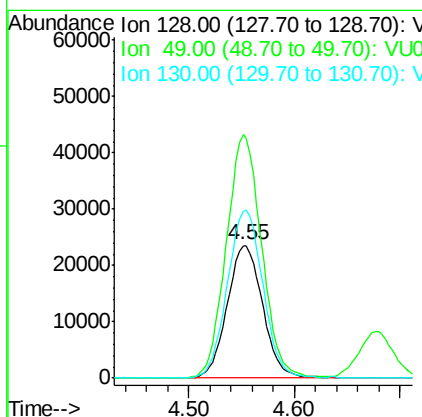
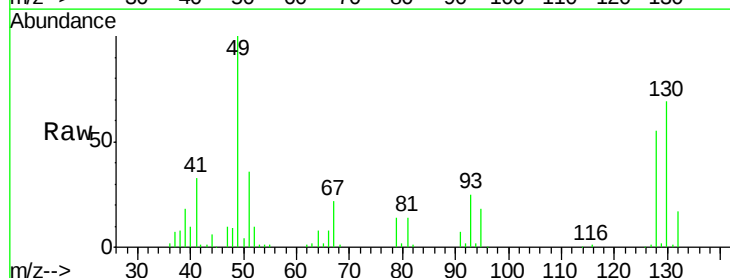
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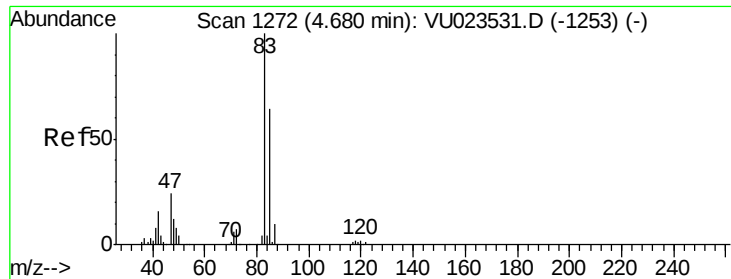


#26

Bromochloromethane
 Concen: 10.03 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion	Ratio	Lower	Upper
128	100		
49	182.5	0.0	375.2
130	127.3	105.8	158.6





#27
Chloroform
Concen: 9.67 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

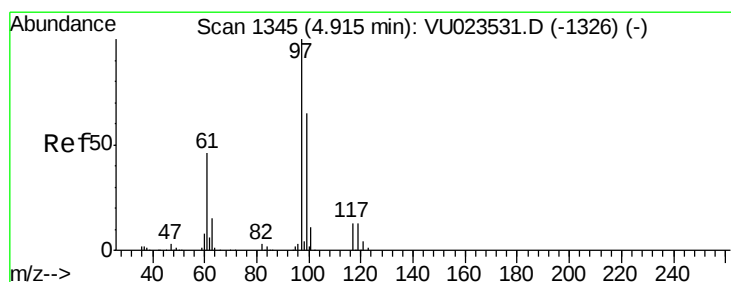
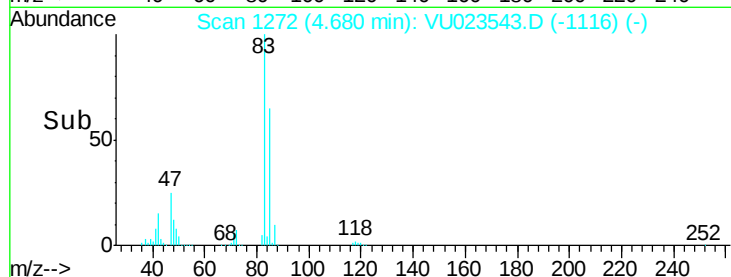
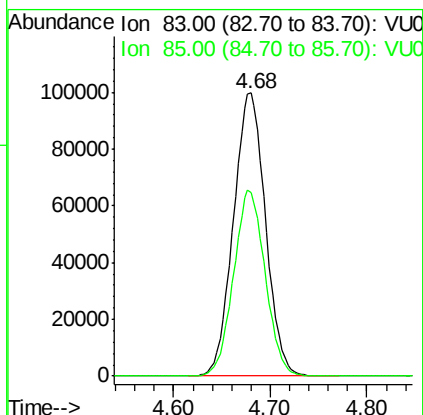
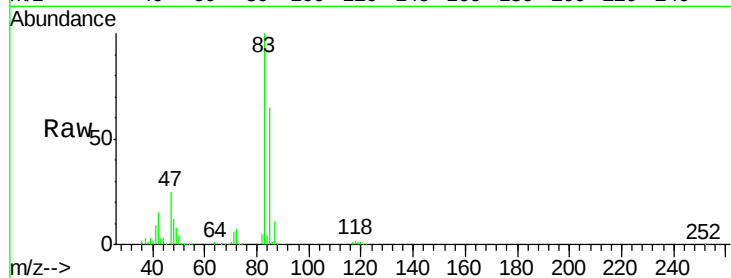
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	229538
Ion Ratio	Lower	Upper	
83	100		
85	64.8	0.0	128.4

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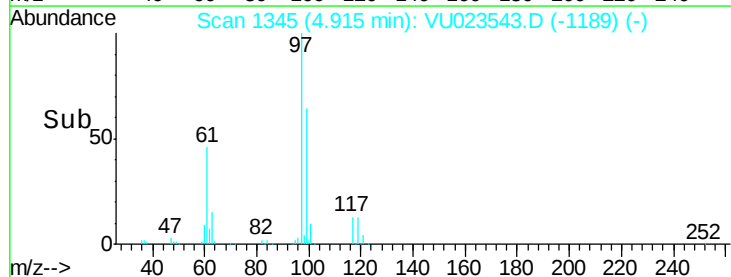
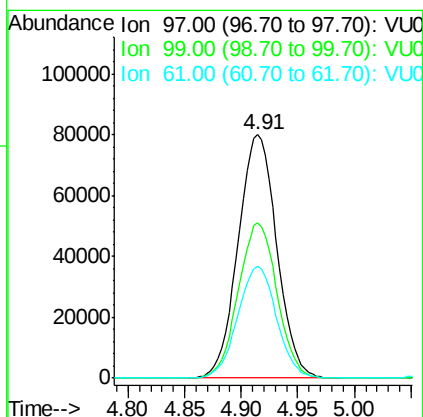
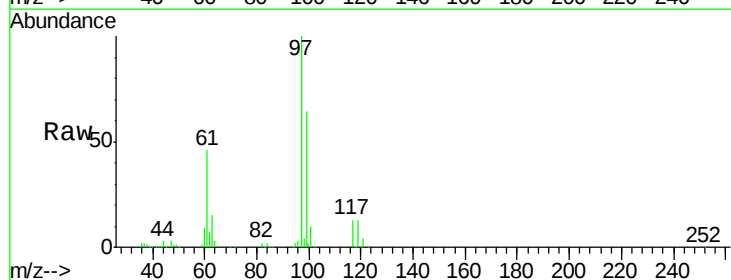
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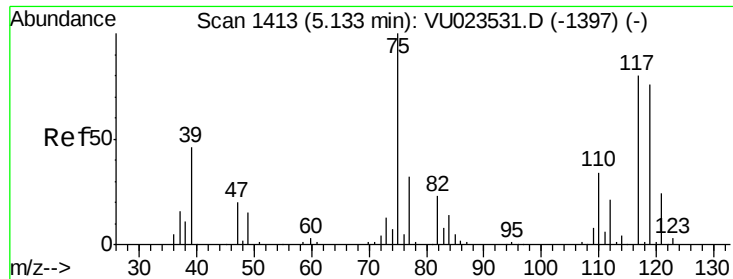
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#28
1,1,1-Trichloroethane
Concen: 9.78 ug/l
RT: 4.91 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion	97	Resp	190468
Ion Ratio	Lower	Upper	
97	100		
99	64.1	32.3	96.9
61	46.1	23.2	69.5





#29
 1,1-Dichloropropene
 Concen: 9.58 ug/l
 RT: 5.13 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

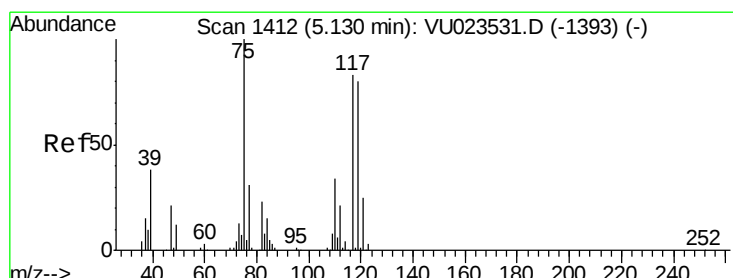
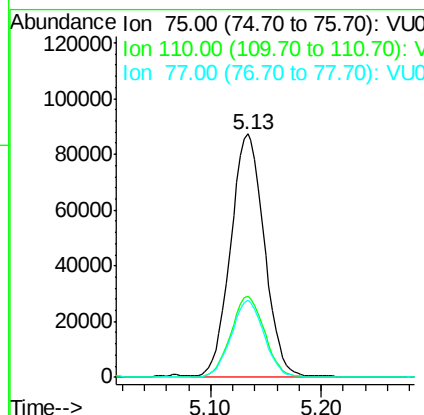
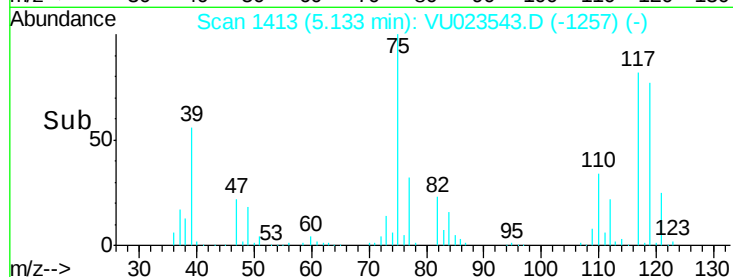
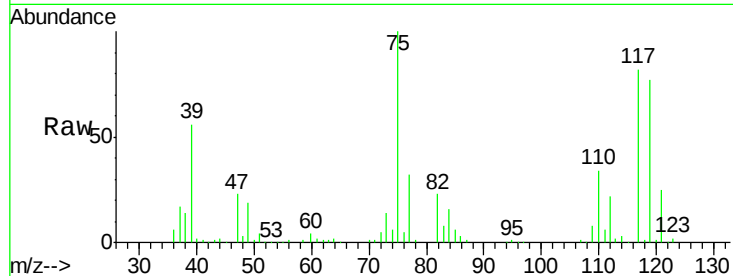
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	75	Resp:	182960
Ion Ratio	Lower	Upper	
75	100		
110	33.8	16.9	50.7
77	30.6	24.8	37.2

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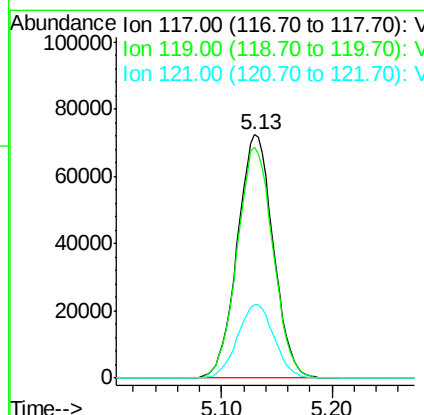
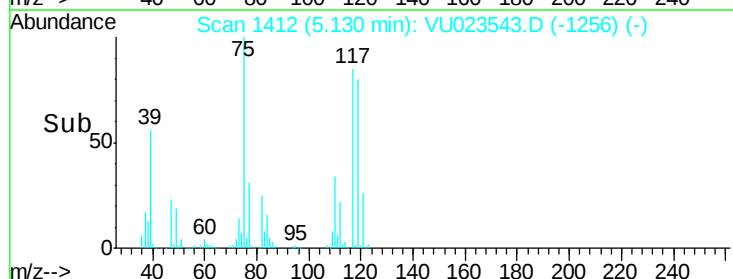
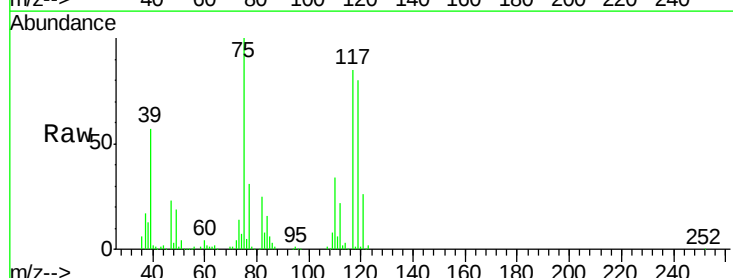
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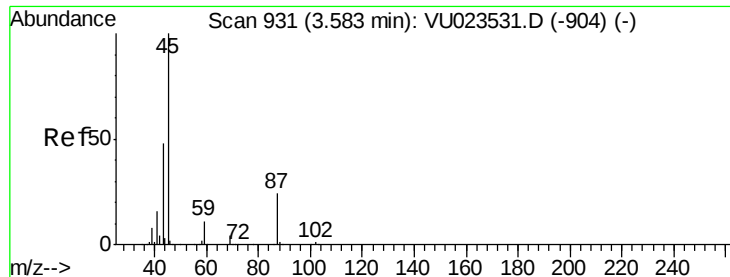
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#30
 Carbon Tetrachloride
 Concen: 9.95 ug/l
 RT: 5.13 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion:	117	Resp:	163035
Ion Ratio	Lower	Upper	
117	100		
119	95.0	77.3	115.9
121	30.4	24.5	36.7





#31

Isopropyl Ether

Concen: 9.52 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Tot Ion: 45 Resp: 404920

Ion Ratio Lower Upper

45 100

43 48.6 24.0 72.0

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

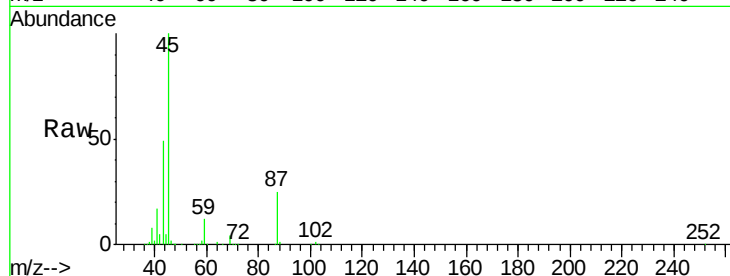
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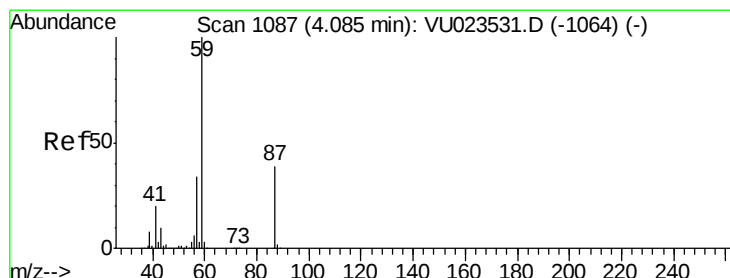
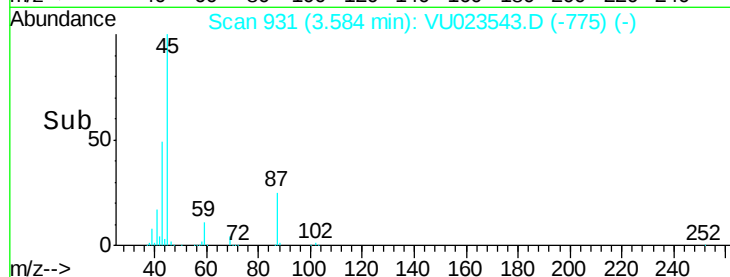
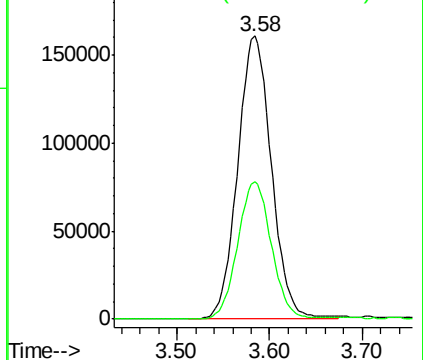
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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 9.69 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VU023543.D

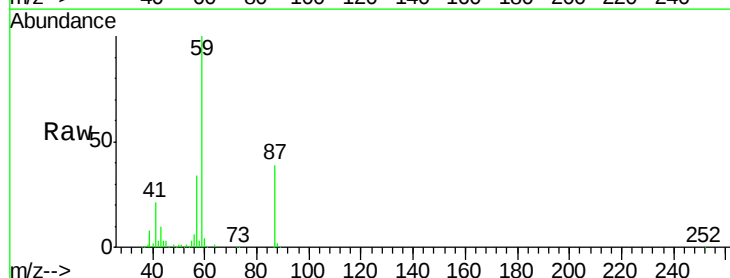
Acq: 30 Apr 2018 22:54

Tgt Ion: 59 Resp: 352300

Ion Ratio Lower Upper

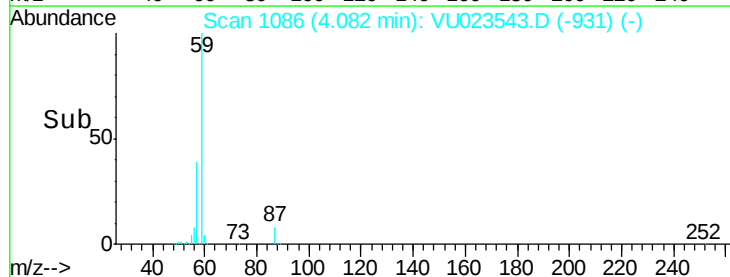
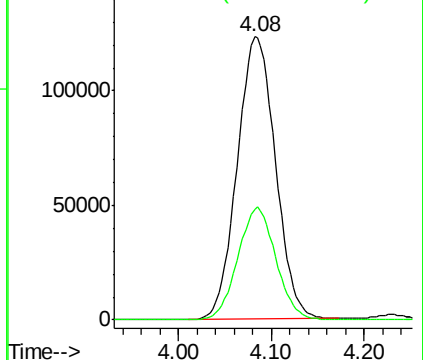
59 100

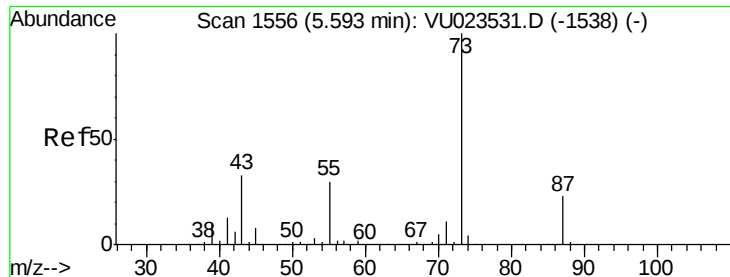
87 39.3 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#33
Tert-Butyl methyl ether
Concen: 9.76 ug/l
RT: 5.59 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

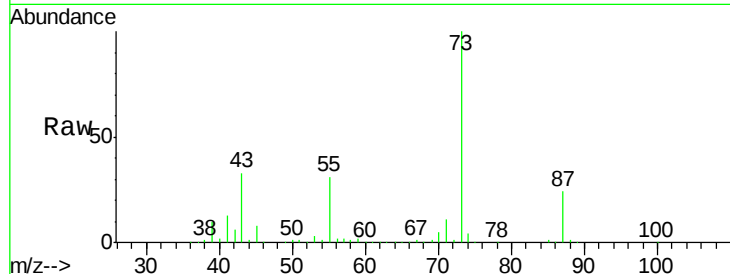
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	73	Resp:	300245
Ion	Ratio	Lower	Upper
73	100		
87	23.6	18.6	28.0
71	11.4	9.3	13.9

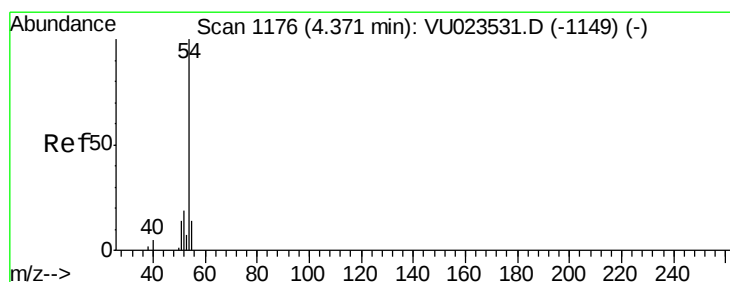
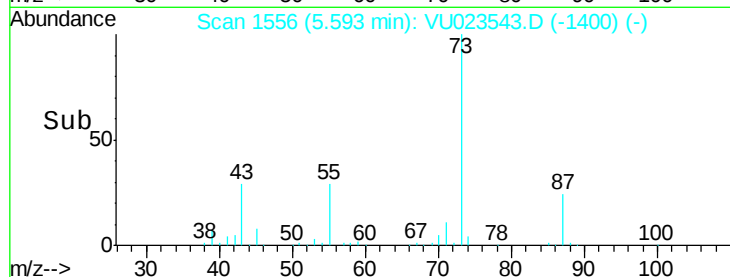
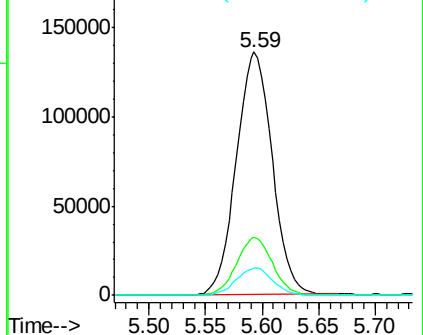
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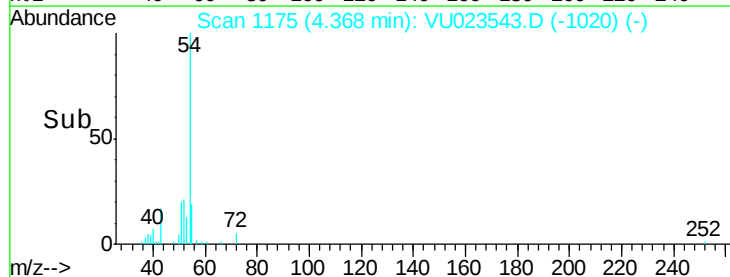
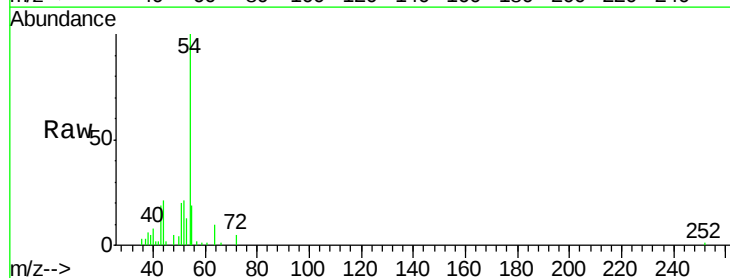
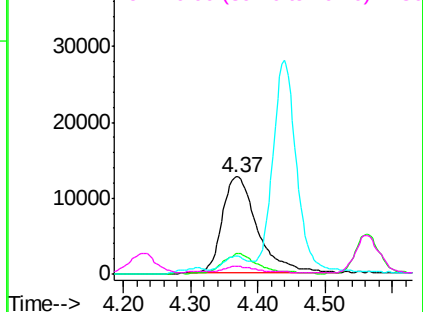
Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

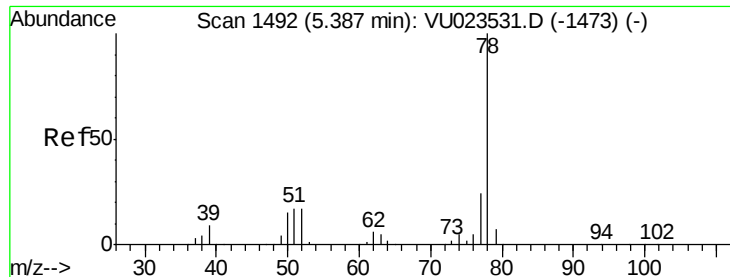


#34
Propionitrile
Concen: 47.93 ug/l
RT: 4.37 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion:	54	Resp:	46121
Ion	Ratio	Lower	Upper
54	100		
52	20.7	13.7	20.5#
55	13.4	10.2	15.2
40	4.7	3.5	5.3

Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 10.09 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 78 Resp: 572897

Ion Ratio Lower Upper

78 100

77 23.2 19.1 28.7

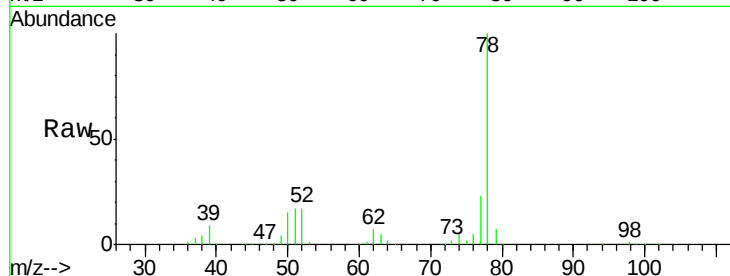
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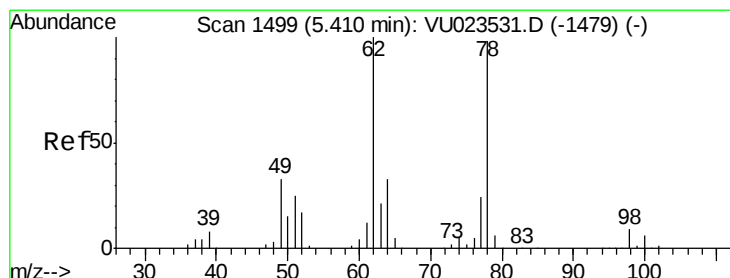
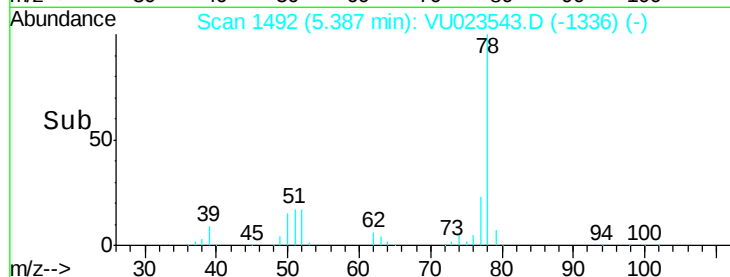
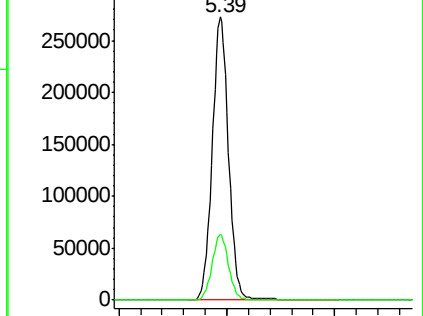
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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 9.97 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU023543.D

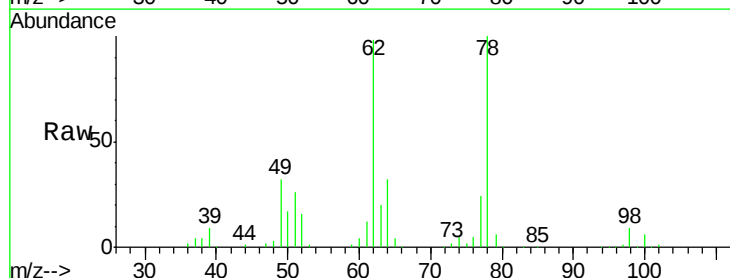
Acq: 30 Apr 2018 22:54

Tgt Ion: 62 Resp: 160075

Ion Ratio Lower Upper

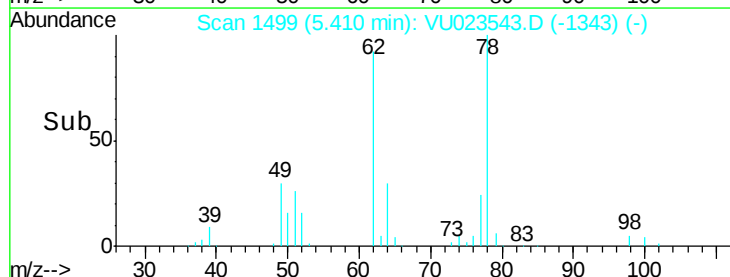
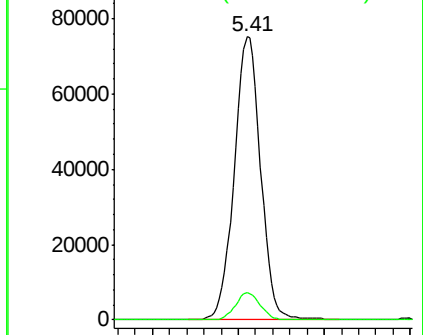
62 100

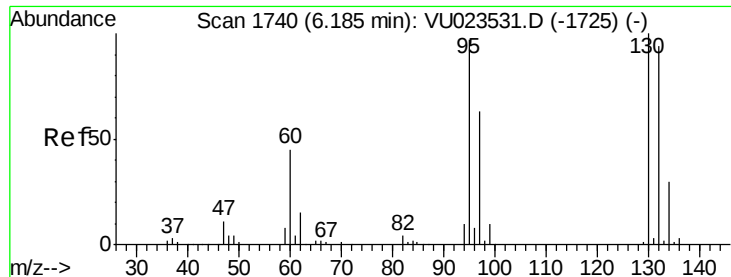
98 9.0 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37
 Trichloroethene
 Concen: 9.40 ug/l
 RT: 6.18 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

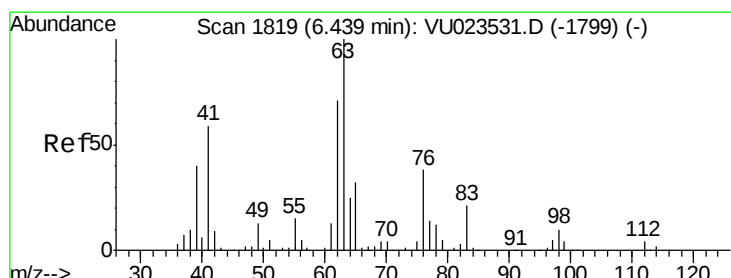
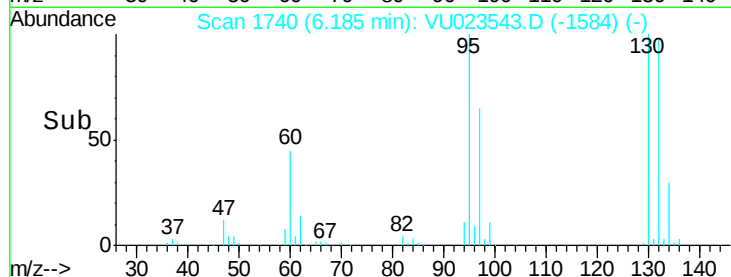
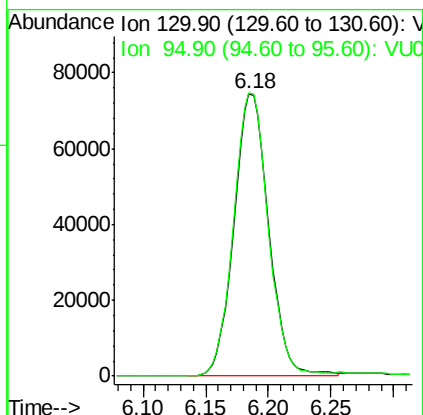
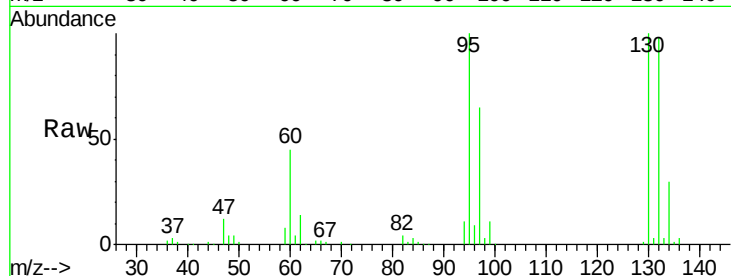
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		143256		
95	100.2	77.9	116.9		

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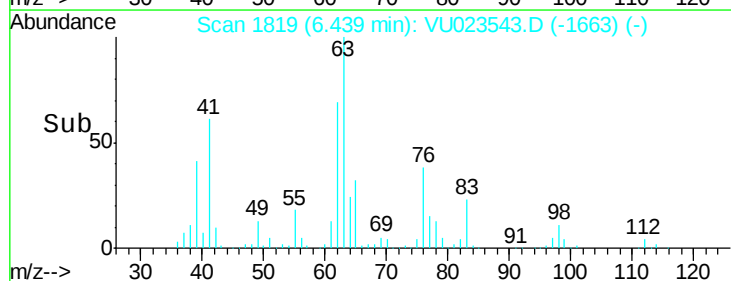
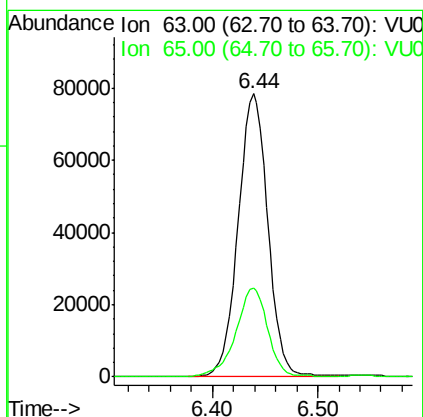
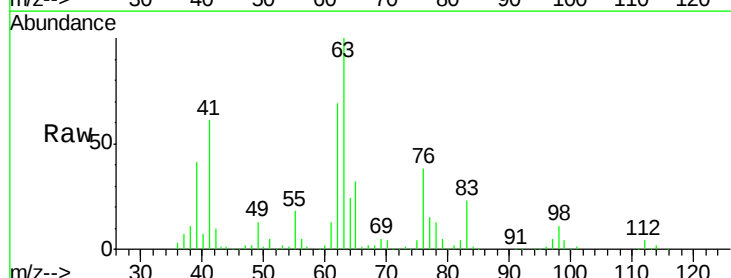
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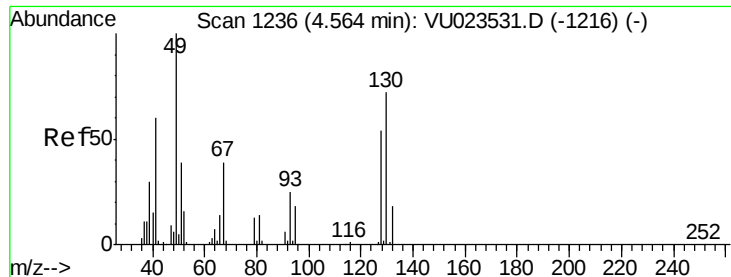
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#38
 1,2-Dichloropropane
 Concen: 9.87 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		153725		
65	31.4	25.8	38.8		





#39
Methacrylonitrile
Concen: 9.49 ug/l
RT: 4.56 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

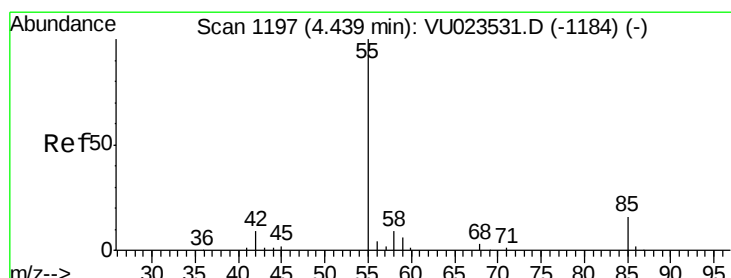
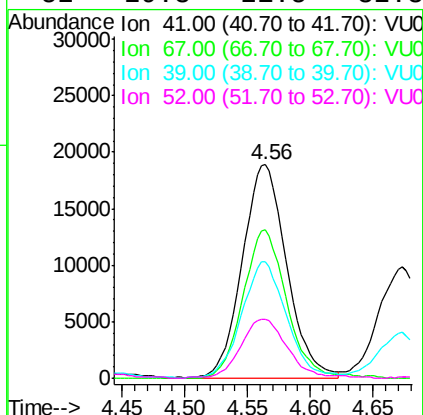
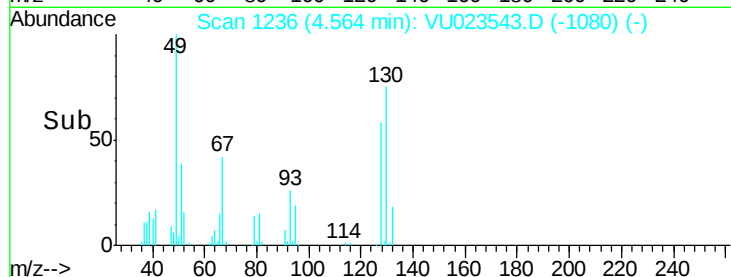
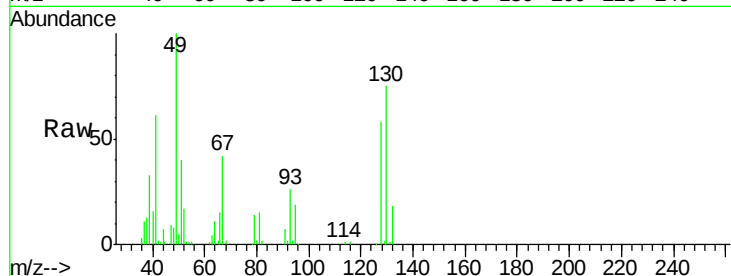
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
67	68.0	51.3	76.9
39	55.2	40.6	60.8
52	29.3	21.5	32.3

Manual Integrations
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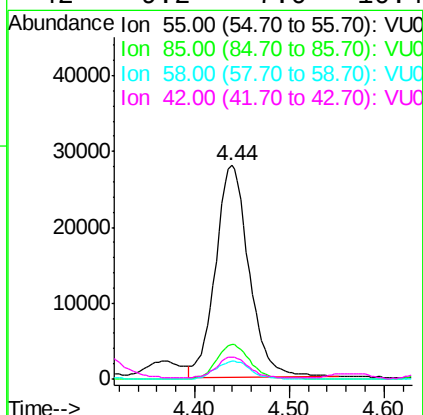
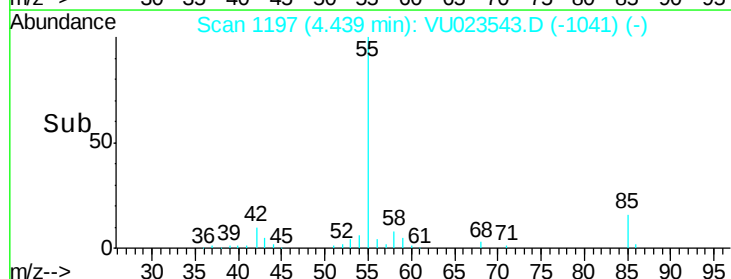
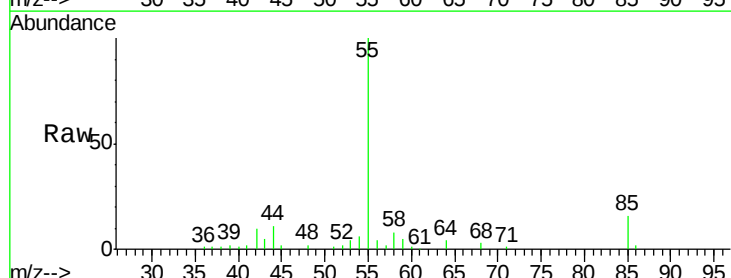
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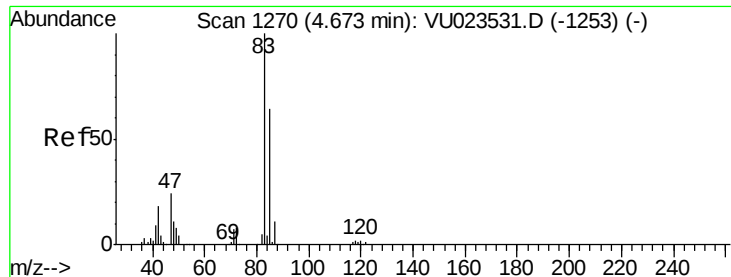
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#40
Methyl acrylate
Concen: 10.09 ug/l
RT: 4.44 min Scan# 1197
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion	Ratio	Lower	Upper
55	100		
85	15.9	12.3	18.5
58	8.7	7.0	10.6
42	9.2	7.0	10.4





#41

Tetrahydrofuran

Concen: 18.05 ug/l

RT: 4.67 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

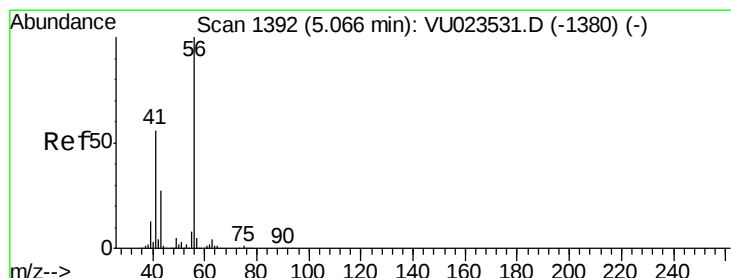
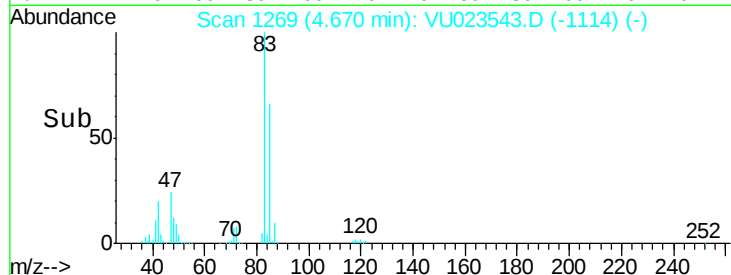
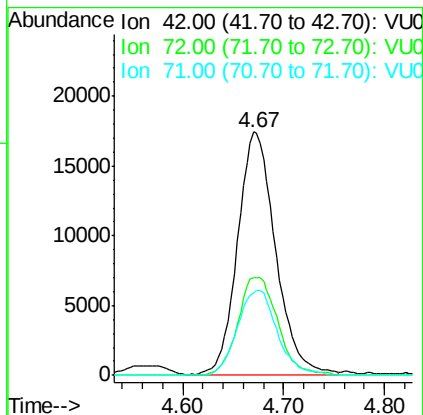
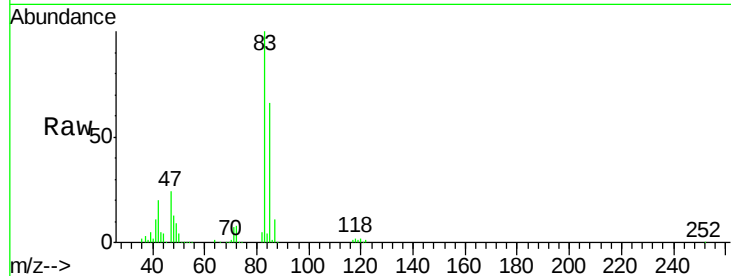
Tot Ion:	42	Resp:	45773
Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.2	49.8
71	36.5	29.8	44.8

Manual Integrations
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#42

1-Chlorobutane

Concen: 9.78 ug/l

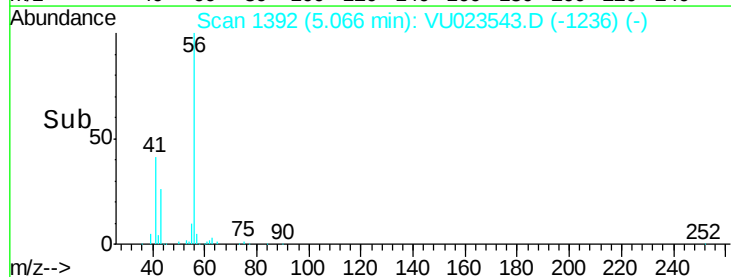
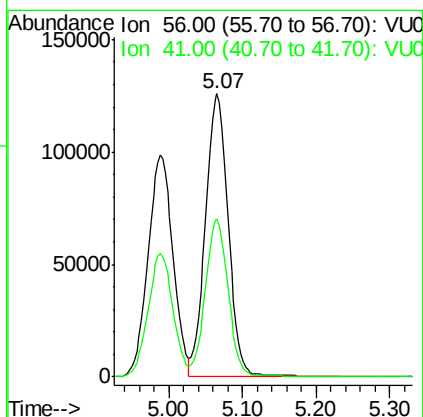
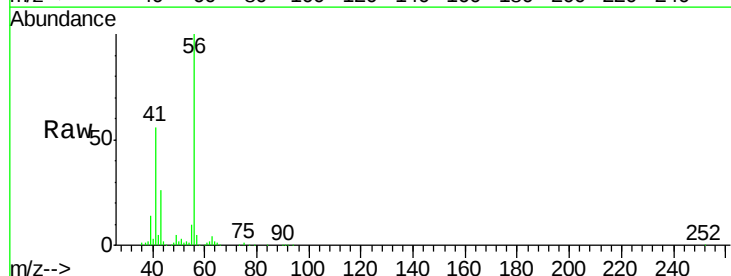
RT: 5.07 min Scan# 1392

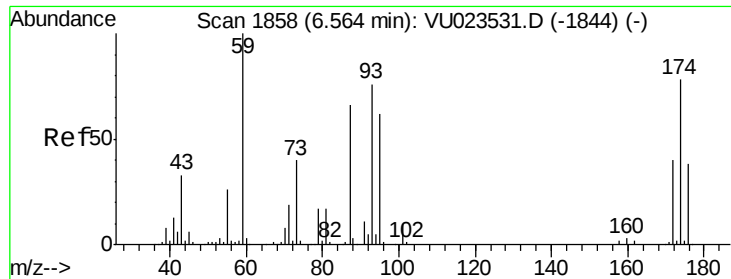
Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Tgt Ion:	56	Resp:	270859
Ion	Ratio	Lower	Upper
56	100		
41	55.5	27.5	82.5





#43

Dibromomethane

Concen: 10.04 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 93 Resp: 67236

Ion Ratio Lower Upper

93 100

95 84.0 67.2 100.8

174 102.2 82.8 124.2

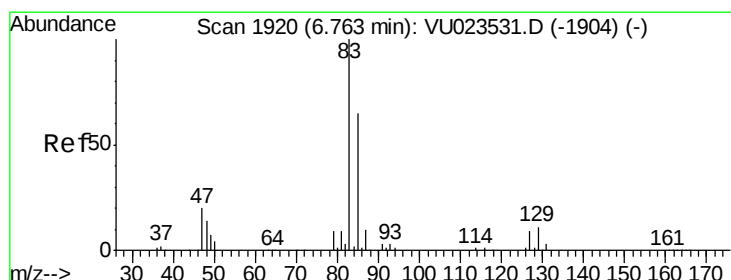
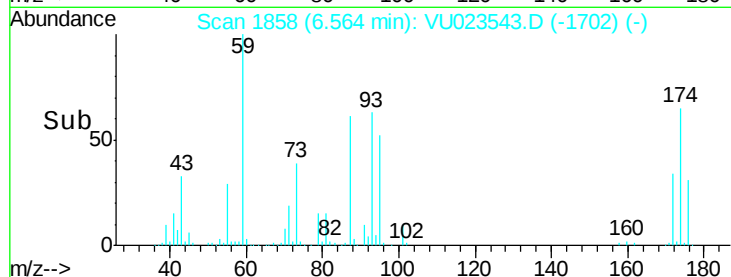
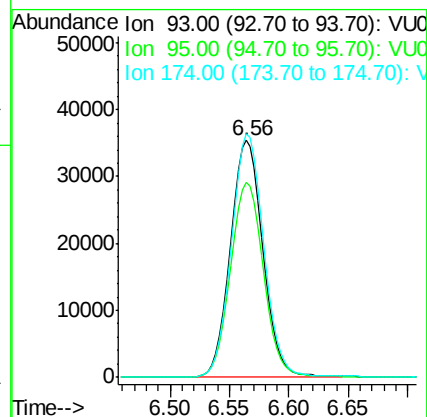
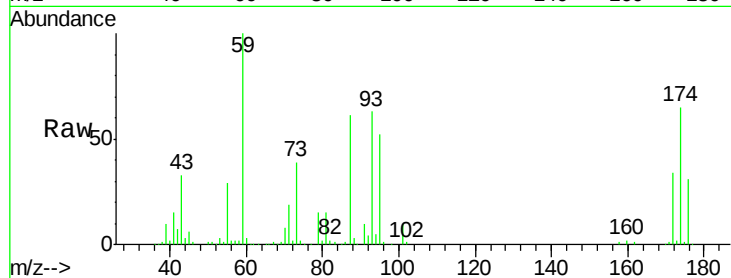
Manual Integrations

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#44

Bromodichloromethane

Concen: 10.03 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

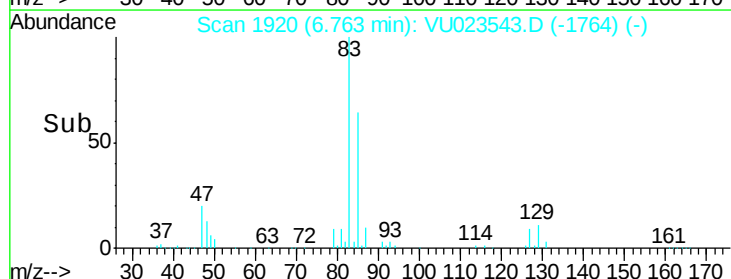
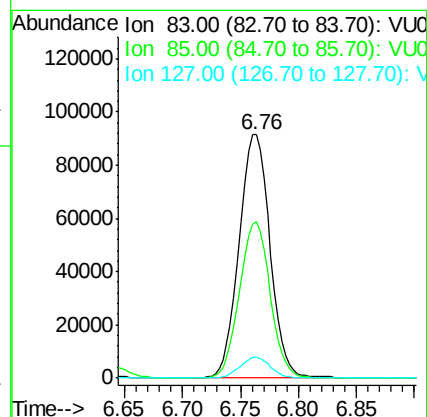
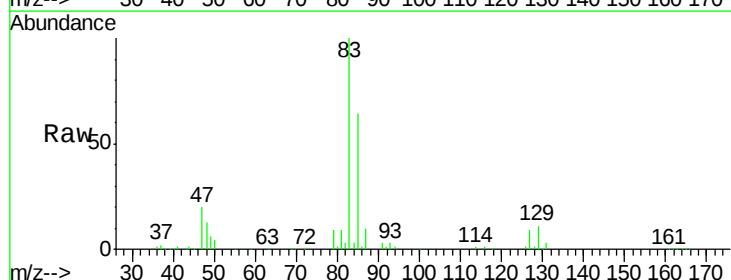
Tgt Ion: 83 Resp: 168858

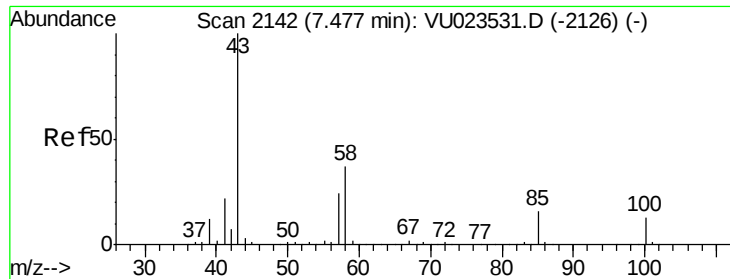
Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.4

127 8.5 7.0 10.4





#45

4-Methyl-2-Pentanone

Concen: 52.84 ug/l

RT: 7.48 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

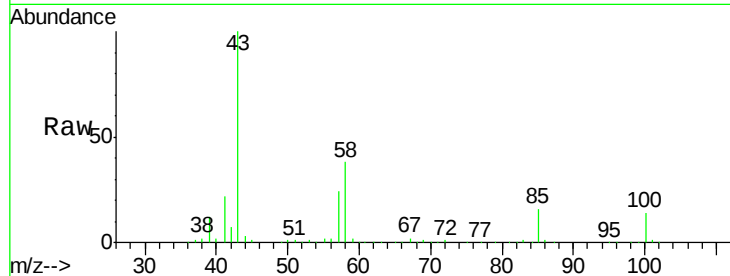
Tot Ion:	43	Resp:	418229
Ion	Ratio	Lower	Upper
43	100		
58	38.1	18.8	56.4
85	16.0	12.6	19.0

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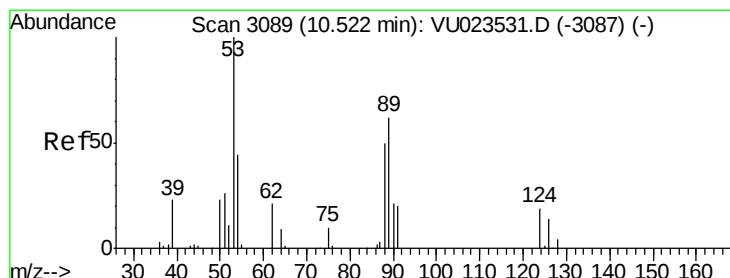
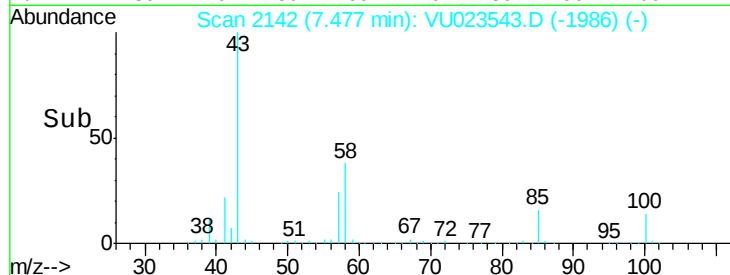
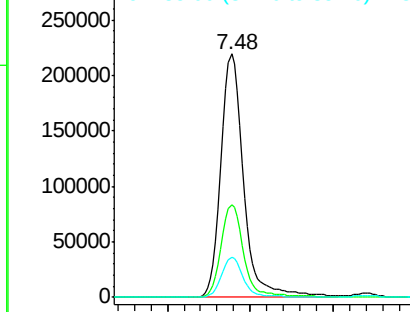
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Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0



#46

t-1,4-Dichloro-2-butene

Concen: 22.53 ug/l m

RT: 10.52 min Scan# 3088

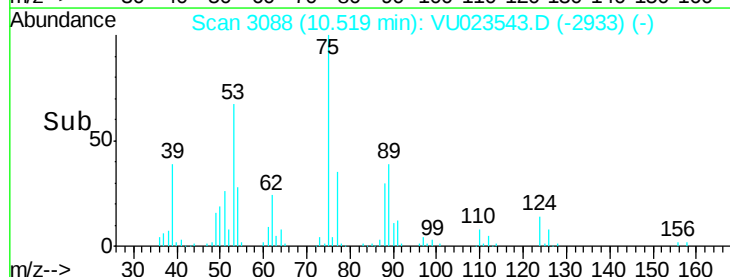
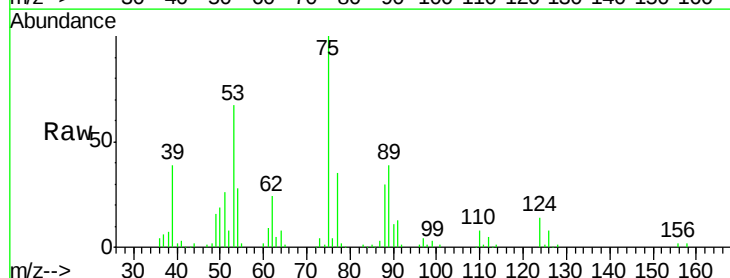
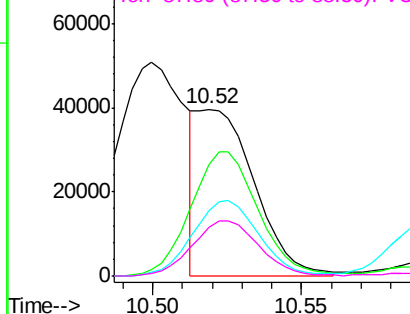
Delta R.T. -0.00 min

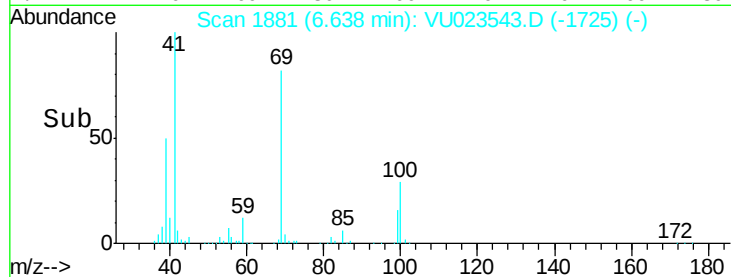
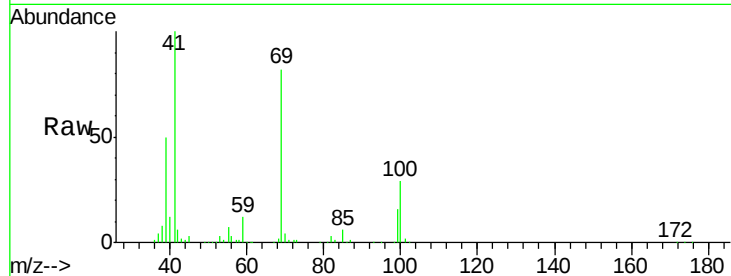
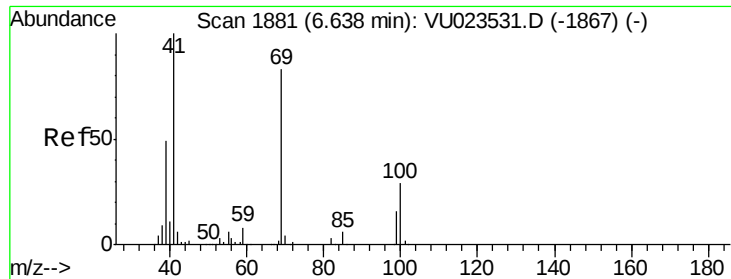
Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Tgt Ion:	75	Resp:	52731
Ion	Ratio	Lower	Upper
75	100		
53	87.7	82.2	123.4
89	52.4	51.3	76.9
88	38.9	37.4	56.2

Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0





#47
Methyl methacrylate
Concen: 20.99 ug/l
RT: 6.64 min Scan# 1881
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

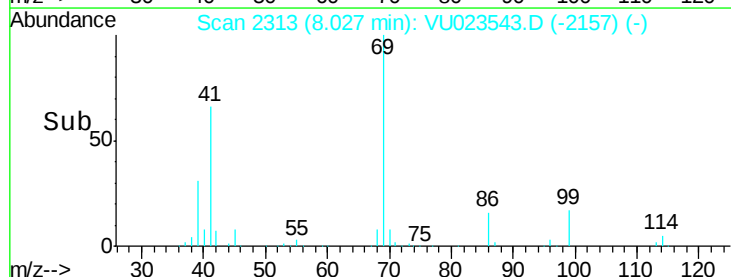
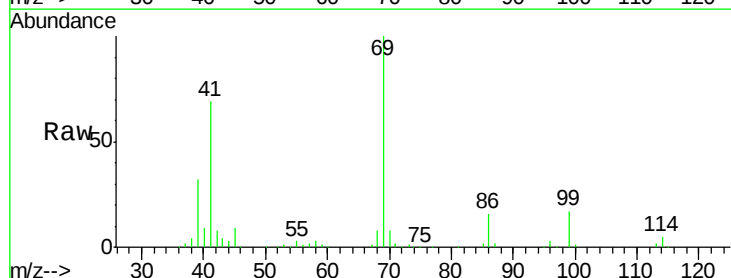
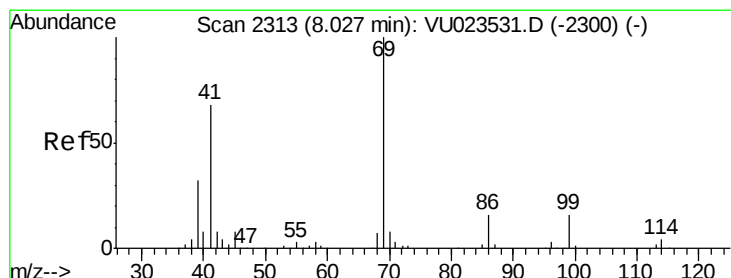
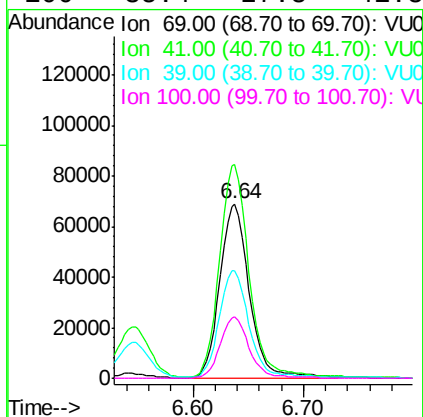
Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		127390		
41	124.8	0.0	245.4		
39	61.3	49.0	73.4		
100	35.4	27.8	41.8		

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Manual Integrations
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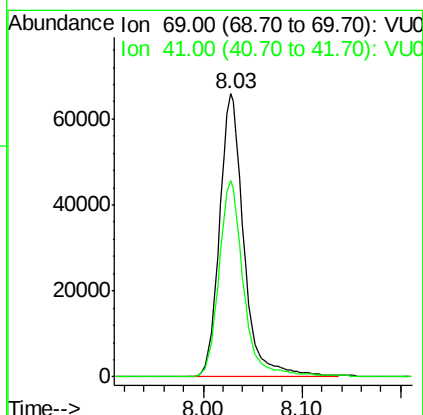
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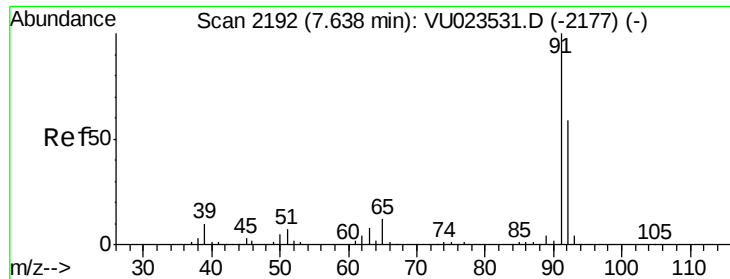
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#48
Ethyl methacrylate
Concen: 10.74 ug/l
RT: 8.03 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		113972		
41	69.0	34.2	102.5		





#49

Toluene

Concen: 10.34 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 339154

Ion Ratio Lower Upper

92 100

91 174.3 137.1 205.7

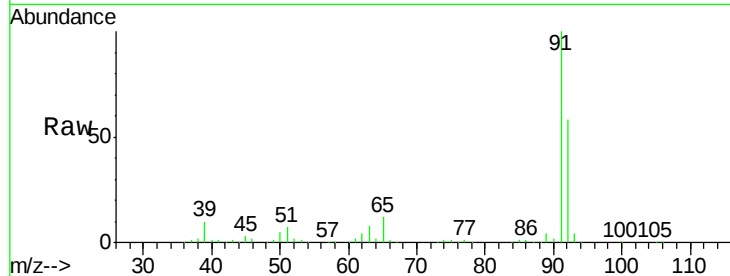
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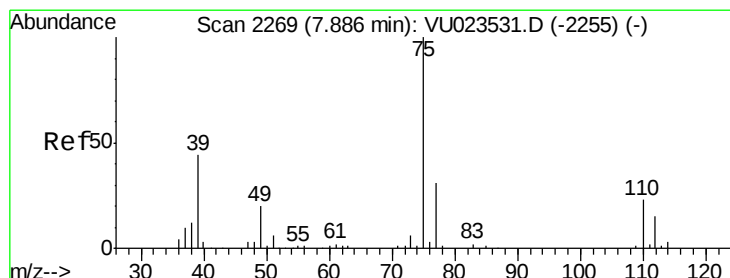
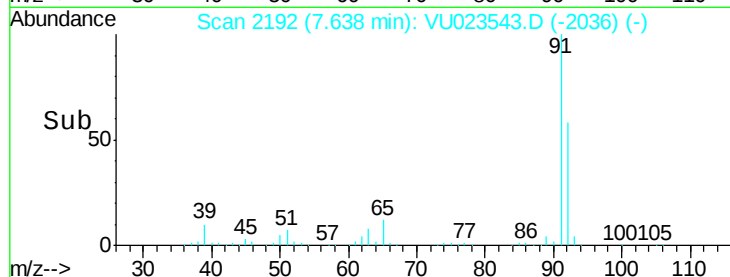
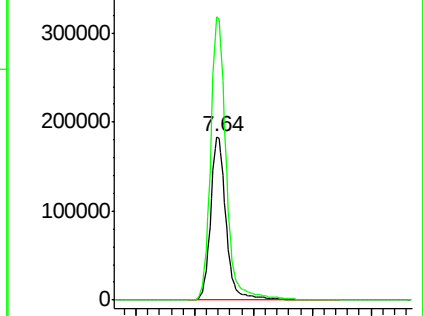
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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 10.55 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU023543.D

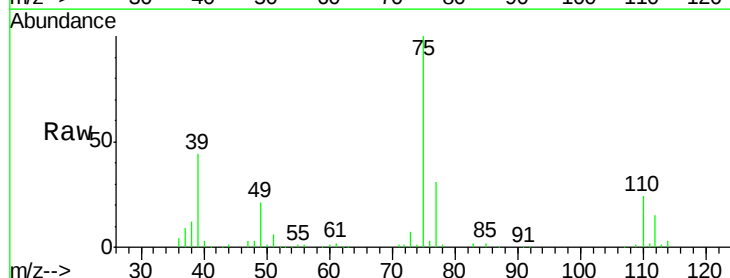
Acq: 30 Apr 2018 22:54

Tgt Ion: 75 Resp: 151613

Ion Ratio Lower Upper

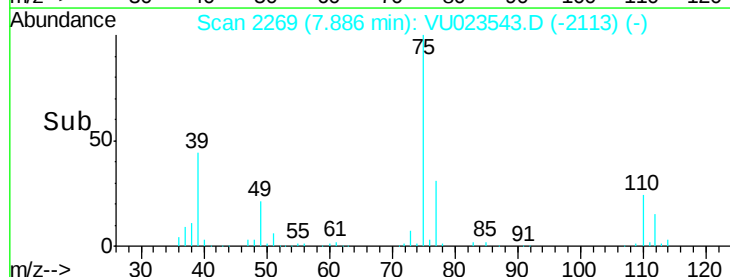
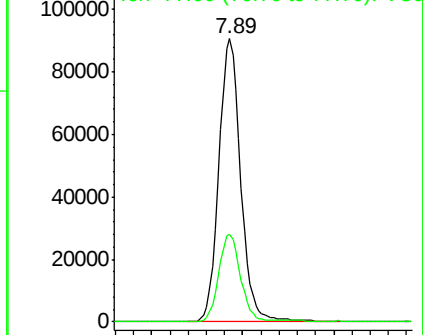
75 100

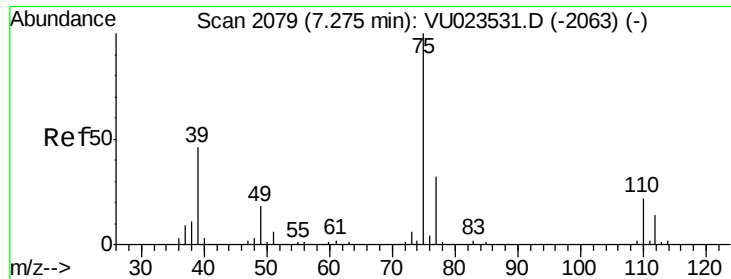
77 31.0 25.2 37.8



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: 10.18 ug/l
RT: 7.27 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

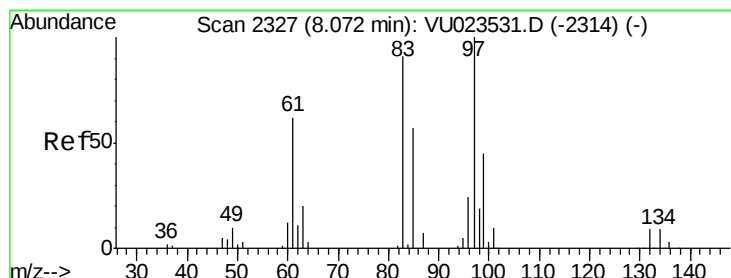
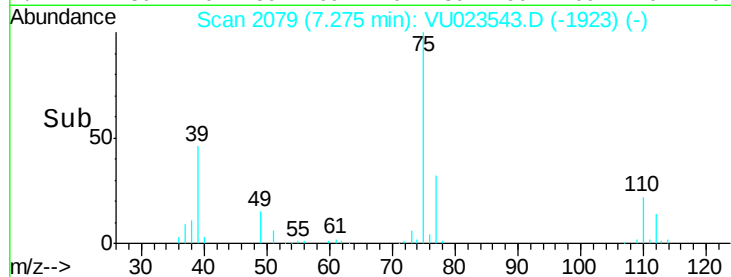
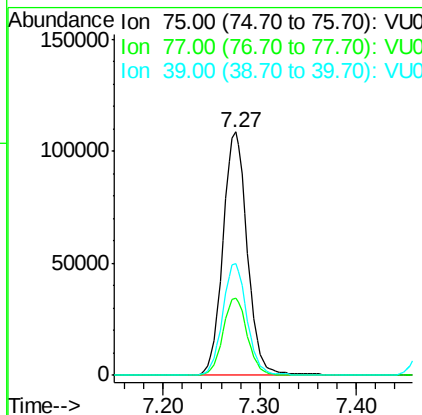
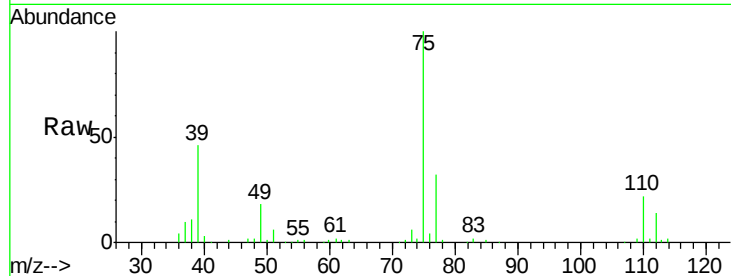
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	75	Resp:	190298
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.2	37.8
39	46.0	36.4	54.6

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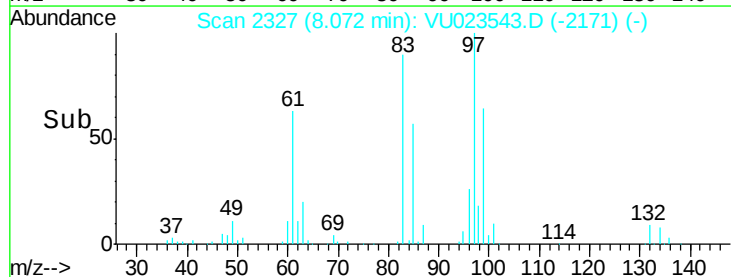
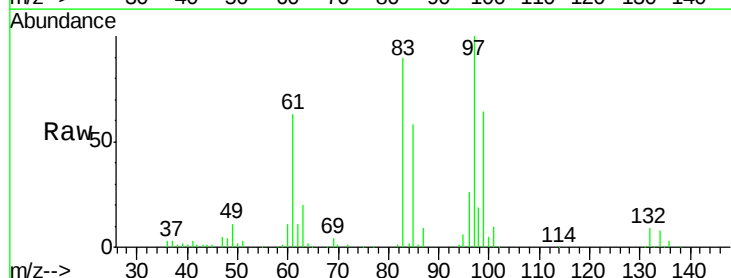
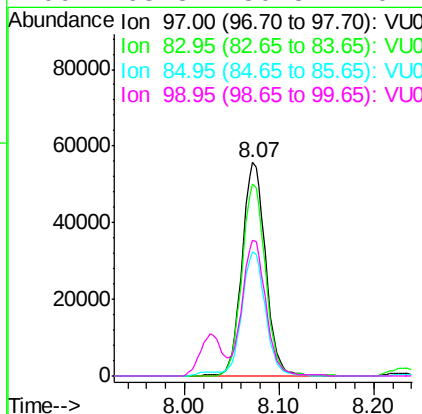
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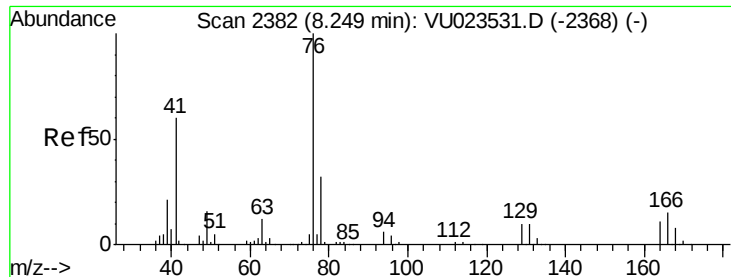


#52

1,1,2-Trichloroethane
Concen: 10.12 ug/l
RT: 8.07 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion:	97	Resp:	96446
Ion Ratio	Lower	Upper	
97	100		
83	90.1	72.6	109.0
85	58.0	47.2	70.8
99	63.8	50.8	76.2





#53
 1,3-Dichloropropane
 Concen: 10.26 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

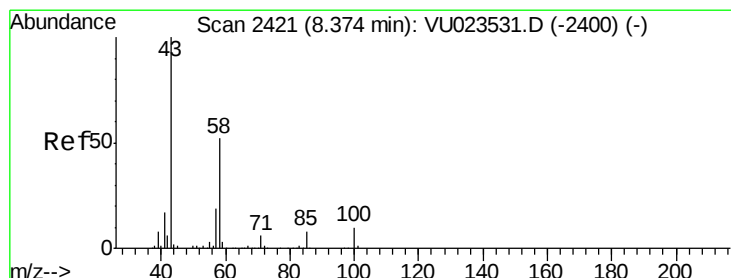
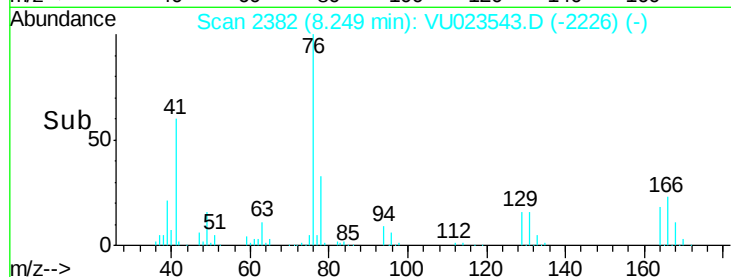
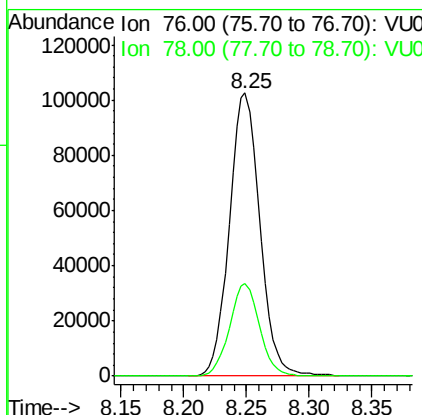
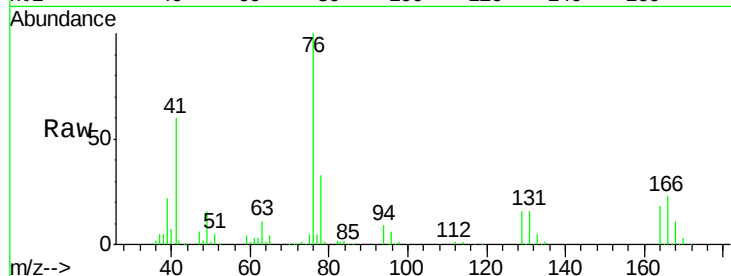
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

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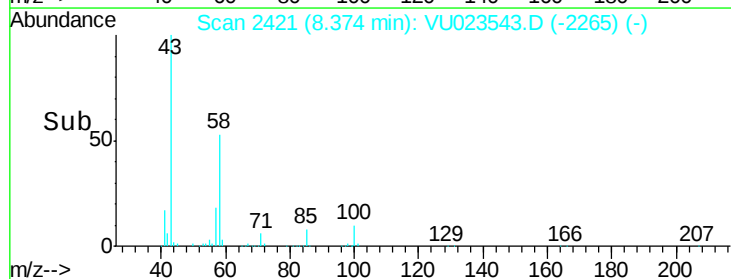
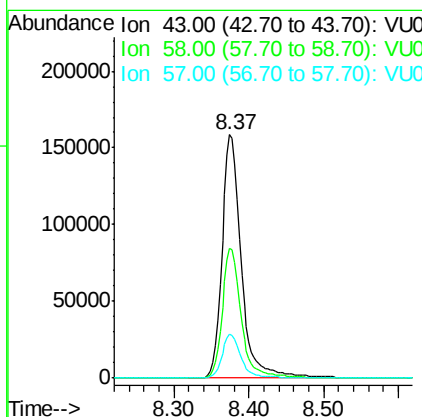
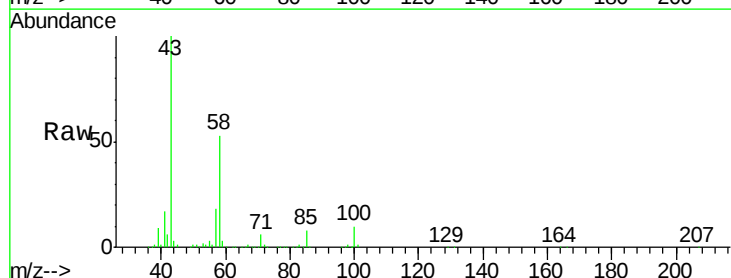
apatel
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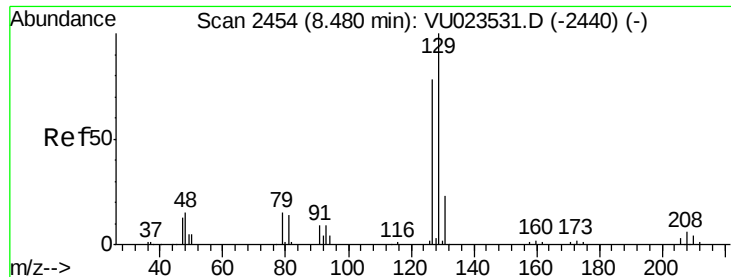
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#54
 2-Hexanone
 Concen: 52.38 ug/l
 RT: 8.37 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.2	32.5	72.5
57	17.9	0.0	37.9





#55

Dibromochloromethane

Concen: 10.36 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:129 Resp: 108185

Ion Ratio Lower Upper

129 100

127 77.1 61.1 91.7

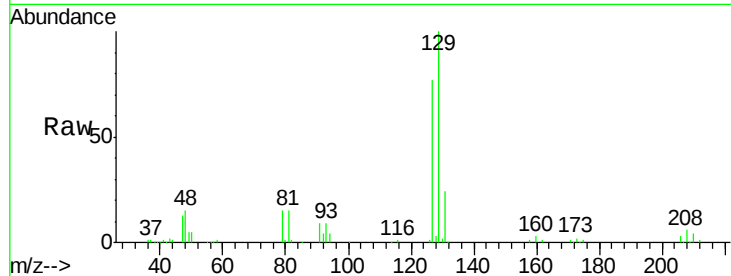
Manual Integrations

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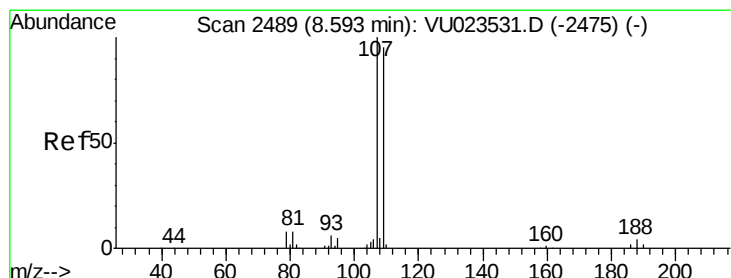
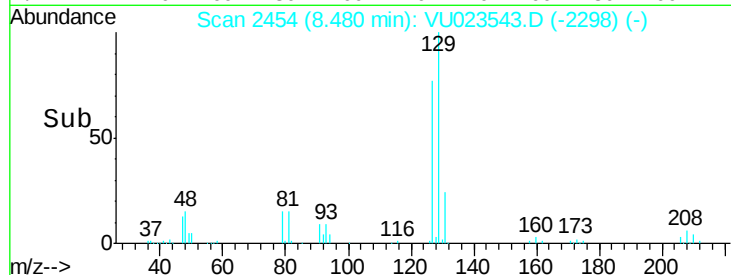
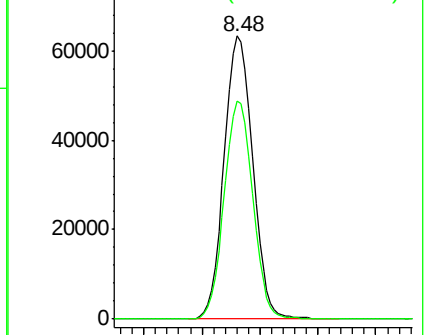
5/3/2018 4:49:23 PM

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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: 10.27 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU023543.D

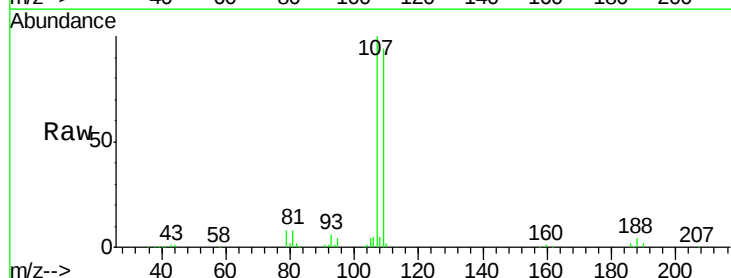
Acq: 30 Apr 2018 22:54

Tgt Ion:107 Resp: 84364

Ion Ratio Lower Upper

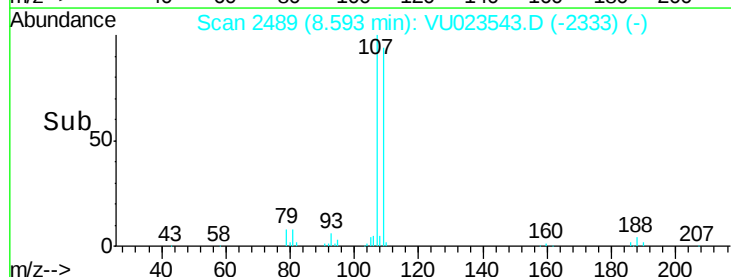
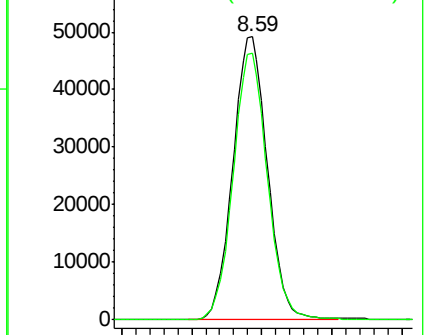
107 100

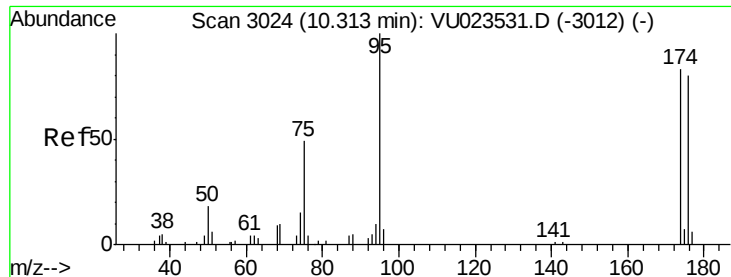
109 93.5 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57
4-Bromofluorobenzene
Concen: 10.27 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

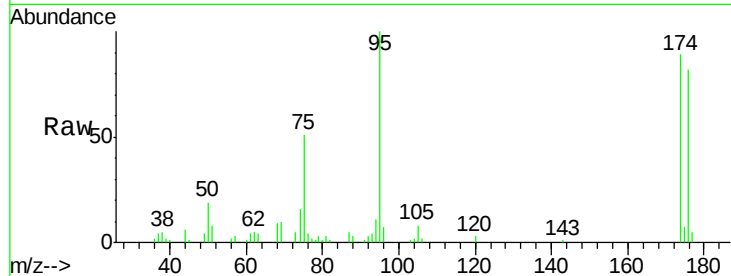
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
95	100	17583		
174	84.0	65.6	98.4	
176	82.2	62.0	93.0	

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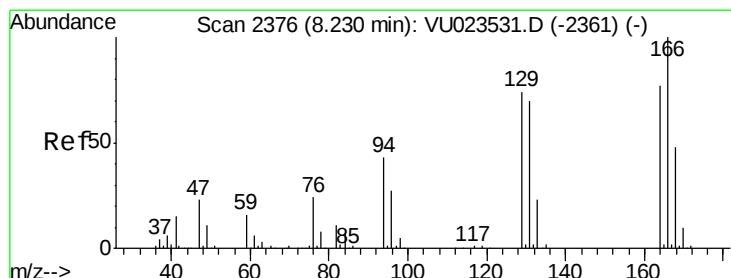
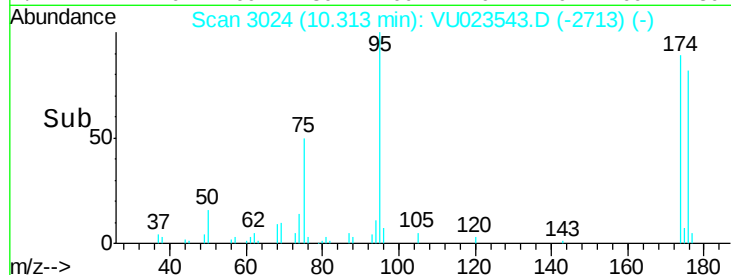
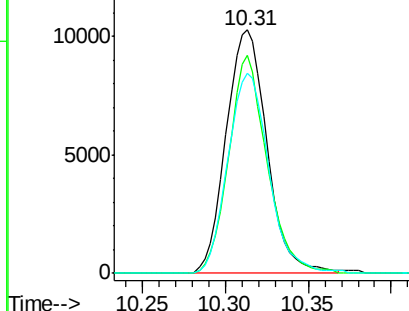
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Abundance Ion 95.00 (94.70 to 95.70): VU023543.D (-2713) (-)

Ion 174.00 (173.70 to 174.70): VU023543.D (-2713) (-)

Ion 176.00 (175.70 to 176.70): VU023543.D (-2713) (-)



#58
Tetrachloroethene
Concen: 10.28 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

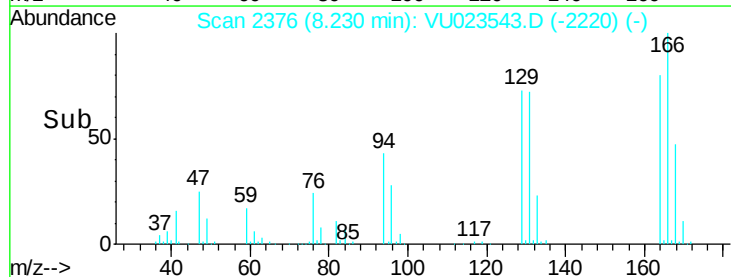
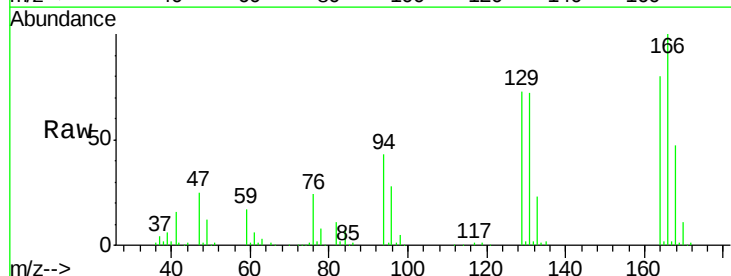
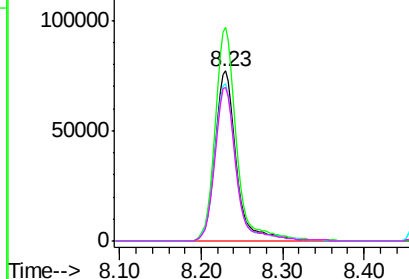
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	142847		
166	125.5	104.1	156.1	
129	92.2	76.8	115.2	
131	90.4	72.6	108.8	

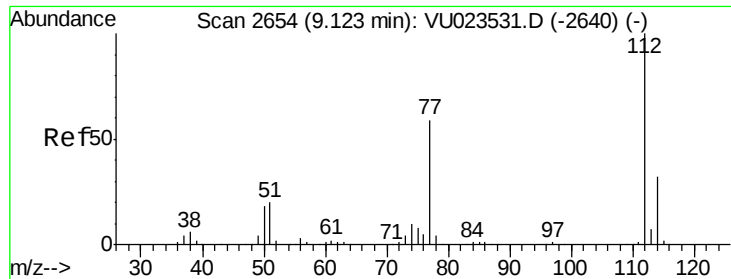
Abundance Ion 163.85 (163.55 to 164.55): VU023543.D (-2220) (-)

Ion 165.80 (165.50 to 166.50): VU023543.D (-2220) (-)

Ion 128.90 (128.60 to 129.60): VU023543.D (-2220) (-)

Ion 130.90 (130.60 to 131.60): VU023543.D (-2220) (-)





#59
Chlorobenzene
Concen: 10.27 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

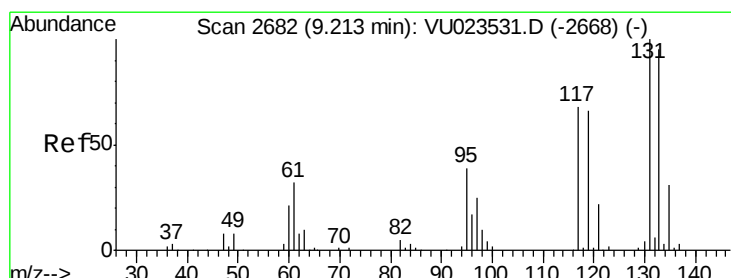
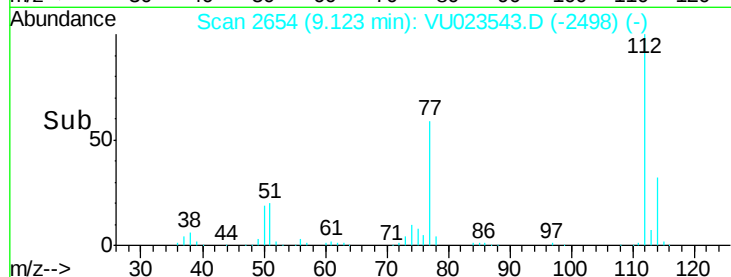
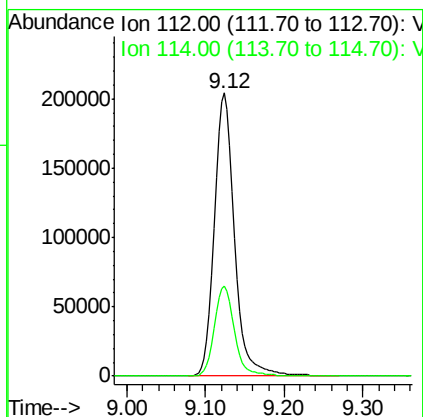
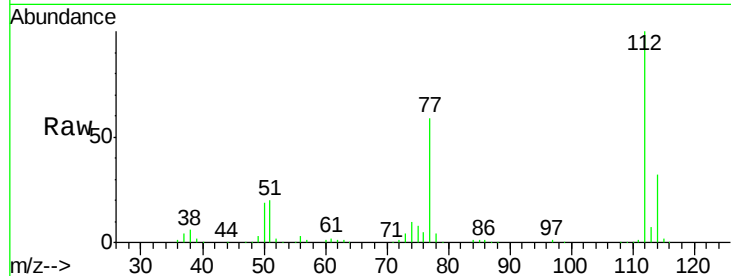
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 360477
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2

Manual Integrations
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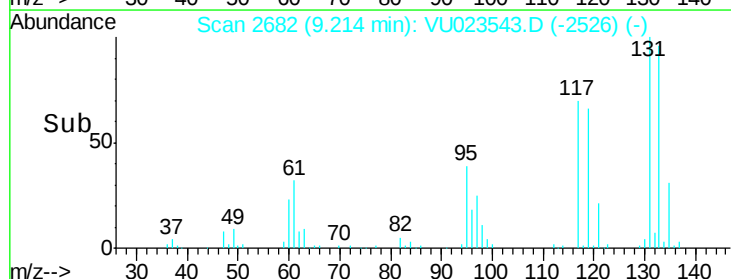
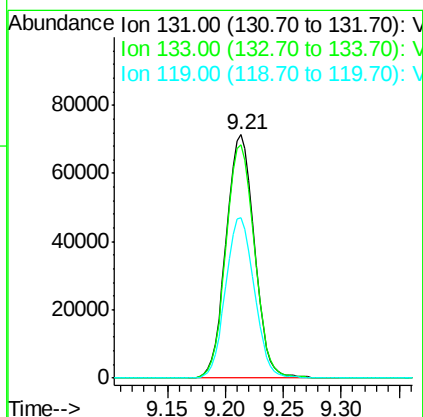
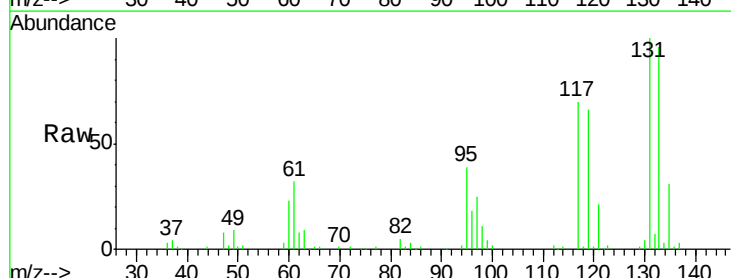
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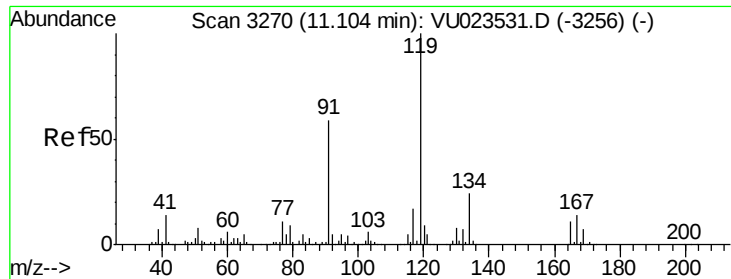
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#60
1,1,1,2-Tetrachloroethane
Concen: 10.11 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion:131 Resp: 120547
Ion Ratio Lower Upper
131 100
133 96.7 75.8 113.8
119 66.8 53.0 79.6





#61

Pentachloroethane

Concen: 9.90 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 83798

Ion Ratio Lower Upper

117 100

167 83.1 69.2 103.8

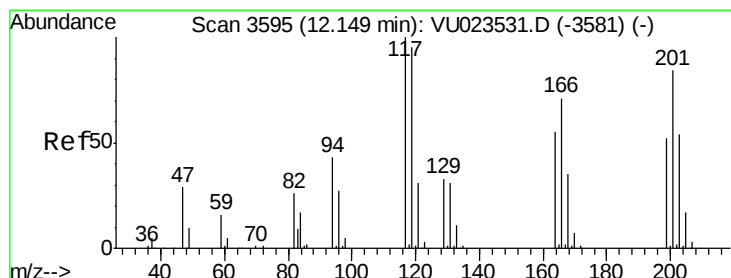
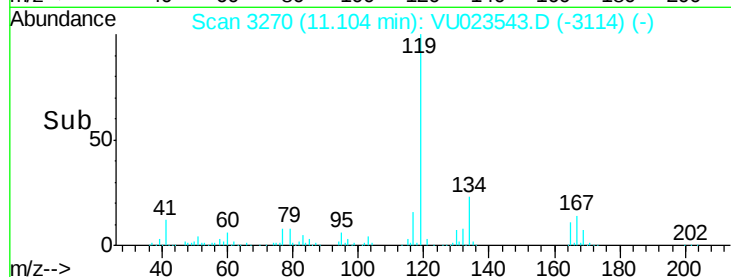
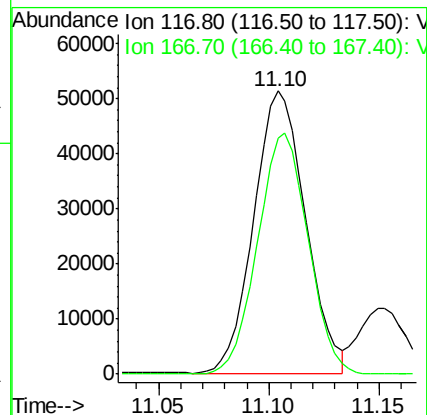
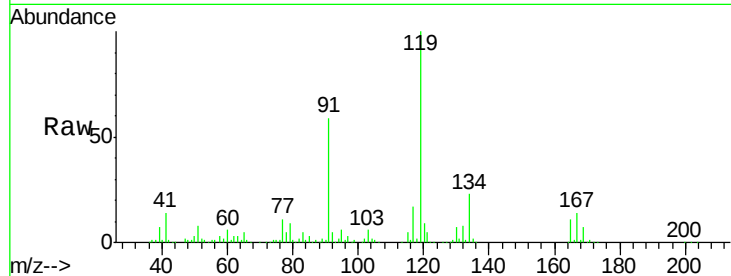
Manual Integrations

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#62

Hexachloroethane

Concen: 10.05 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU023543.D

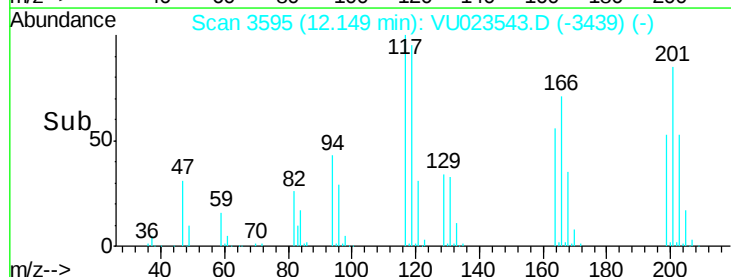
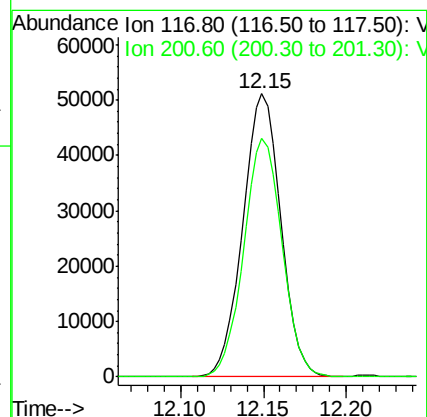
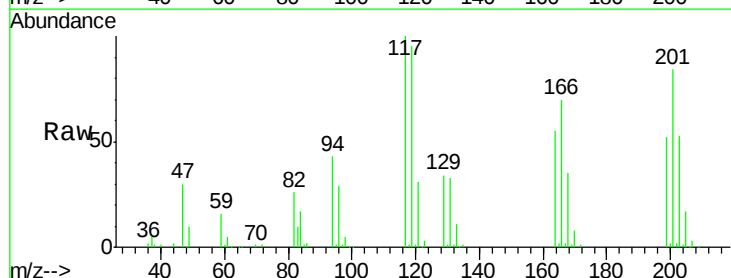
Acq: 30 Apr 2018 22:54

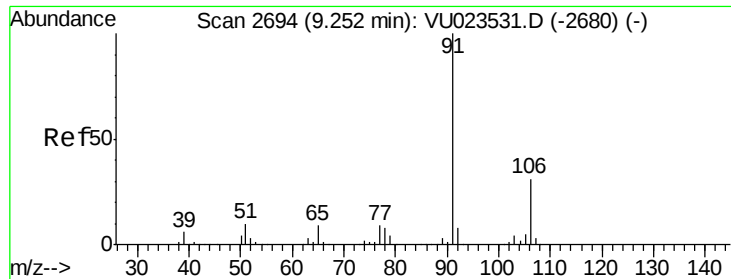
Tgt Ion:117 Resp: 81668

Ion Ratio Lower Upper

117 100

201 85.0 68.7 103.1





#63

Ethyl Benzene

Concen: 10.70 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 624609

Ion Ratio Lower Upper

91 100

106 30.4 24.7 37.1

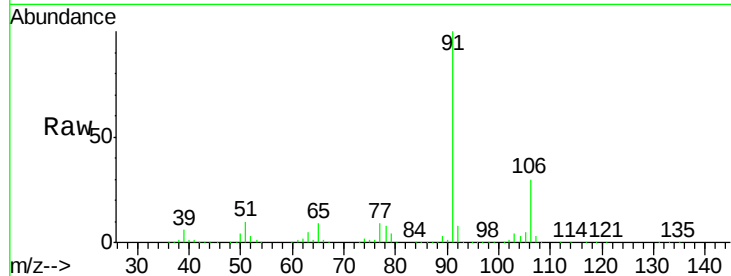
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Abundance Ion 91.00 (90.70 to 91.70): VU023531.D (-2680) (-)

Ion 106.00 (105.70 to 106.70): VU023531.D (-2680) (-)

600000

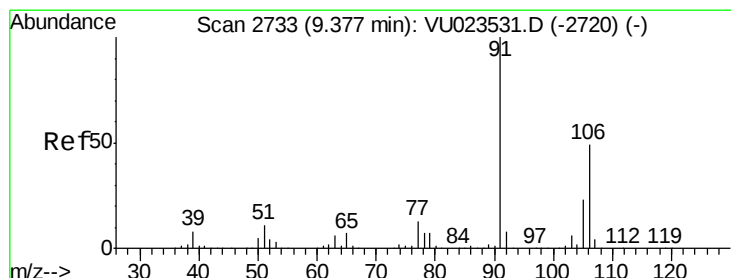
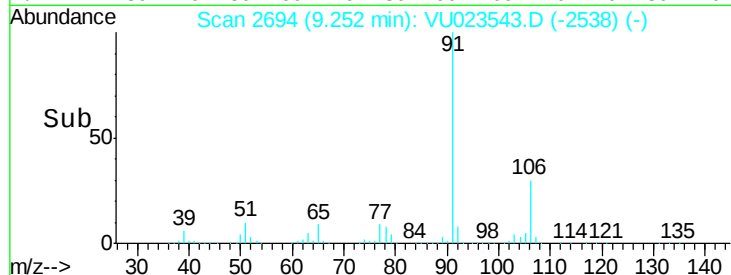
400000

200000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#64

m/p-Xylenes

Concen: 21.96 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU023543.D

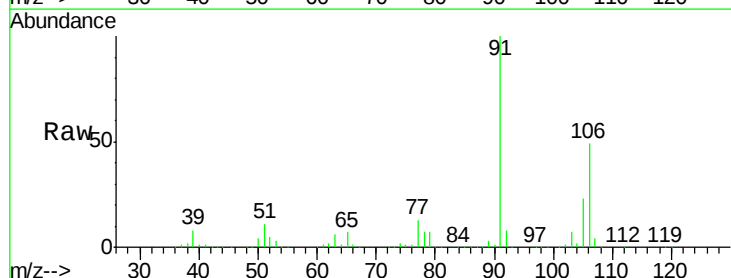
Acq: 30 Apr 2018 22:54

Tgt Ion: 106 Resp: 494127

Ion Ratio Lower Upper

106 100

91 205.5 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): VU023531.D (-2720) (-)

Ion 91.00 (90.70 to 91.70): VU023531.D (-2720) (-)

600000

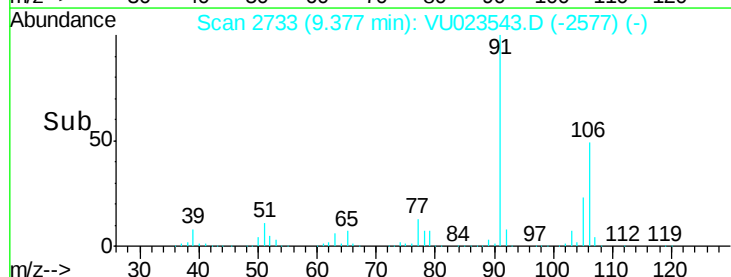
400000

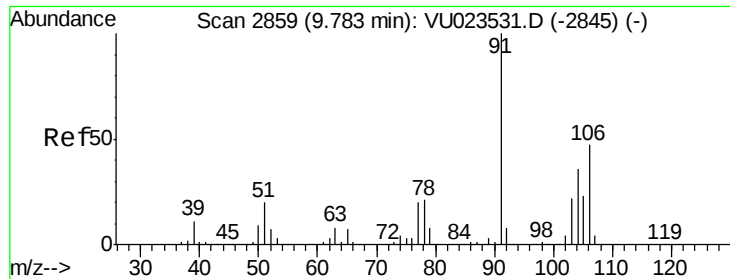
200000

0

9.30 9.40 9.50 9.60

Time-->





#65
o-Xylene
Concen: 10.74 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

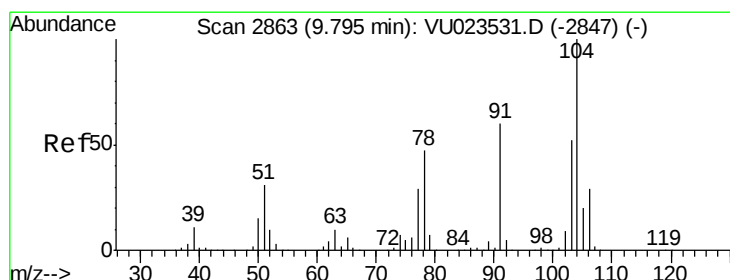
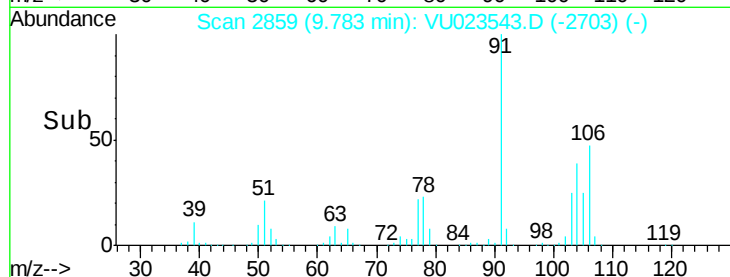
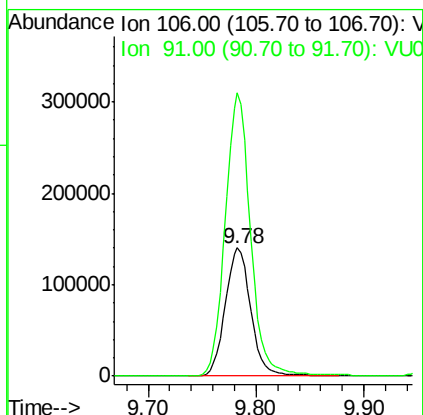
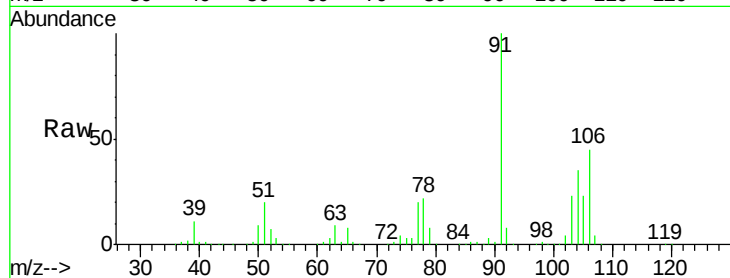
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:106 Resp: 232689
Ion Ratio Lower Upper
106 100
91 218.8 107.9 323.7

Manual Integrations
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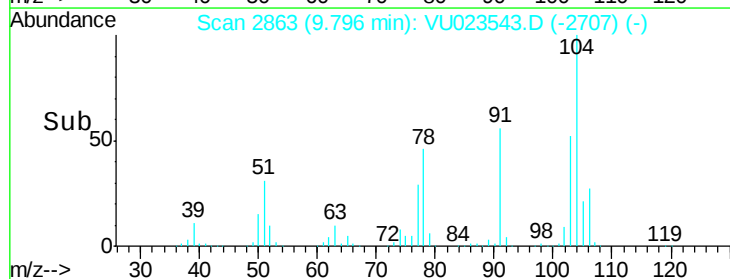
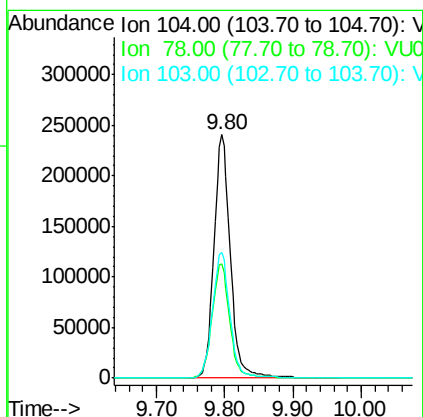
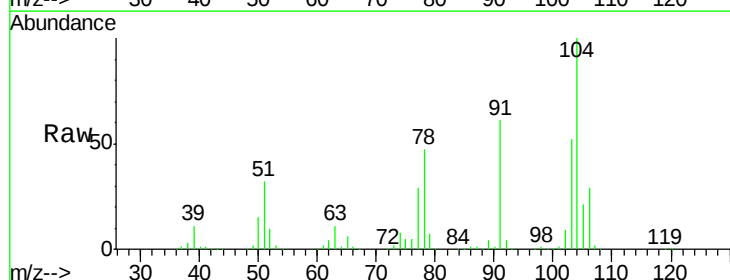
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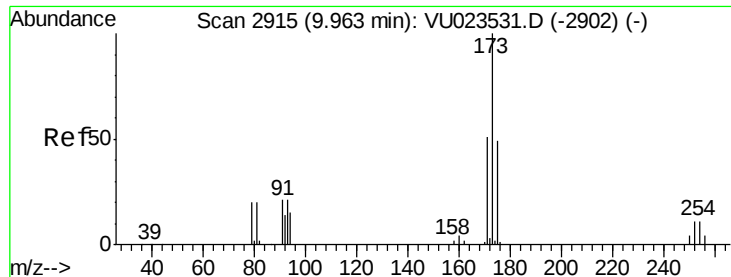
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#66
Styrene
Concen: 11.30 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion:104 Resp: 403828
Ion Ratio Lower Upper
104 100
78 50.4 40.2 60.2
103 55.2 44.2 66.4





#67

Bromoform

Concen: 10.68 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

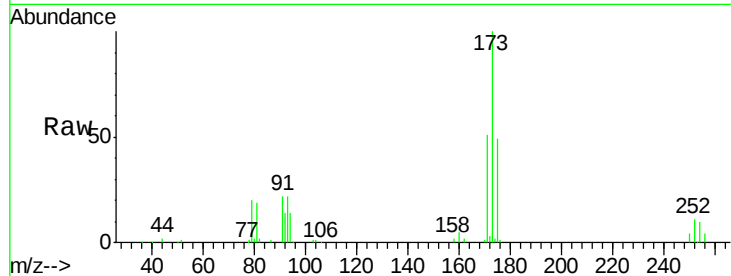
Tot Ion:	173	Resp:	58236
Ion Ratio	Lower	Upper	
173	100		
175	48.4	38.6	57.8
254	10.7	8.8	13.2

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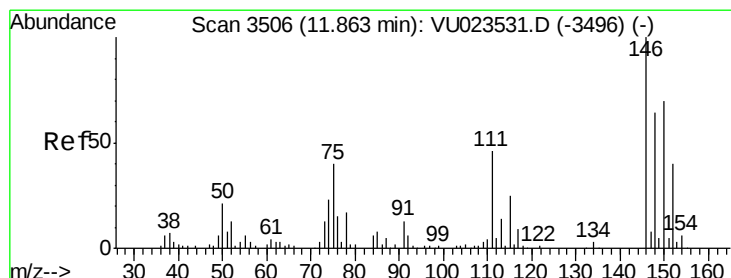
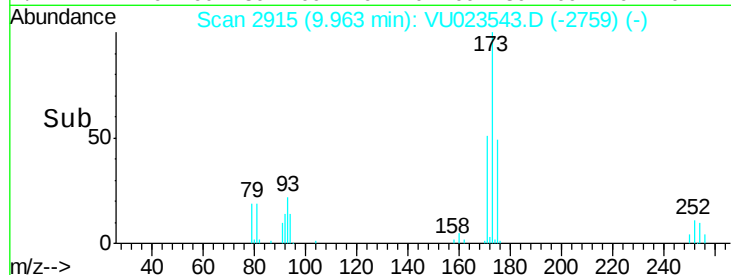
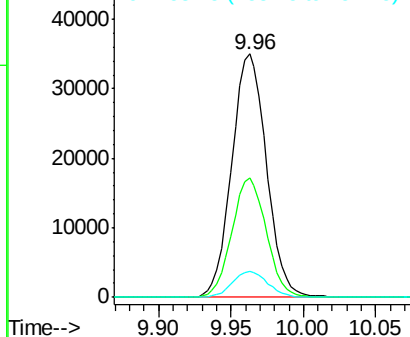
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 10.68 ug/l

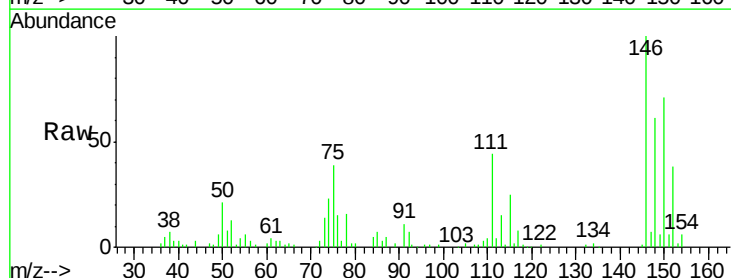
RT: 11.86 min Scan# 3506

Delta R.T. 0.00 min

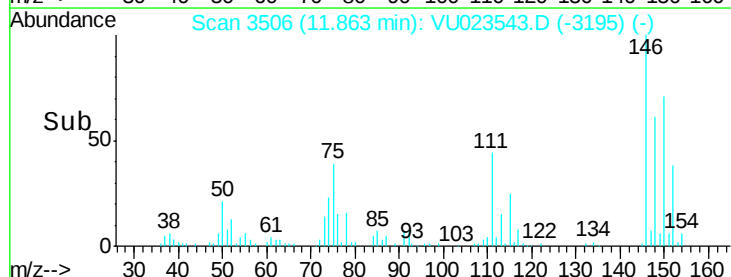
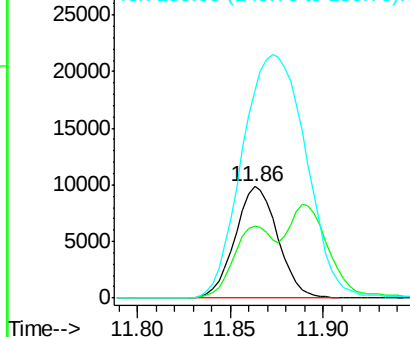
Lab File: VU023543.D

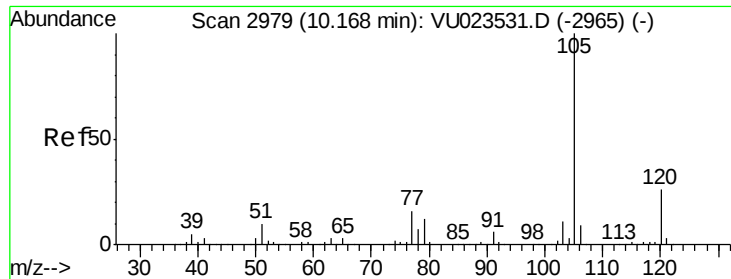
Acq: 30 Apr 2018 22:54

Tgt Ion:	152	Resp:	15785
Ion Ratio	Lower	Upper	
152	100		
115	62.5	0.0	118.8
150	328.6	0.0	0.0#



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 10.78 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 601906

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.3

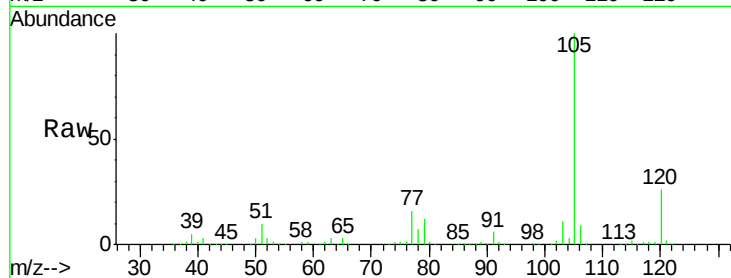
Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

400000

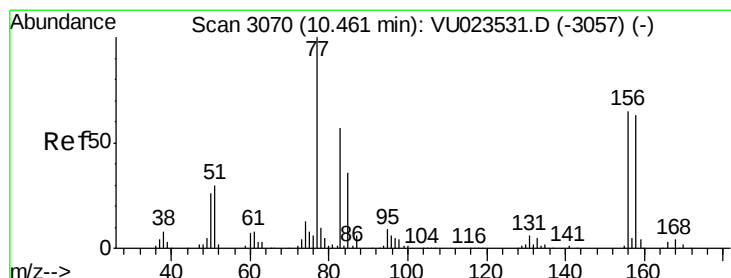
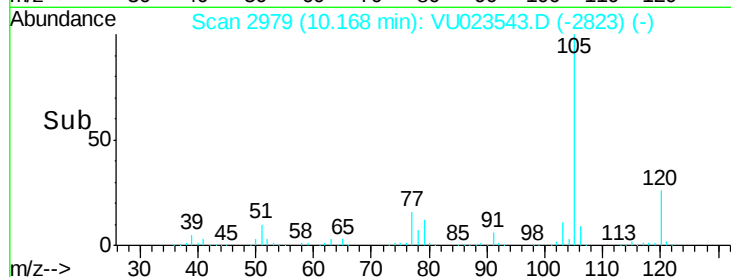
300000

200000

100000

0

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 10.44 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

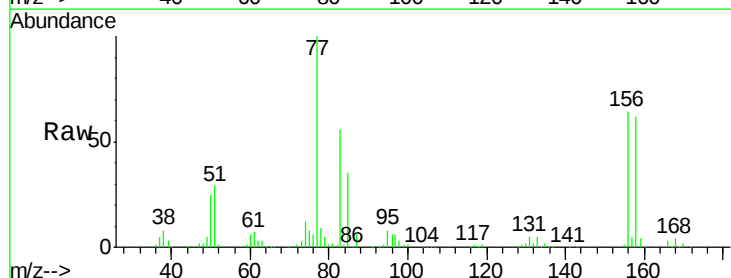
Tgt Ion: 83 Resp: 112087

Ion Ratio Lower Upper

83 100

131 9.8 7.9 11.9

85 64.1 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

10.46

80000

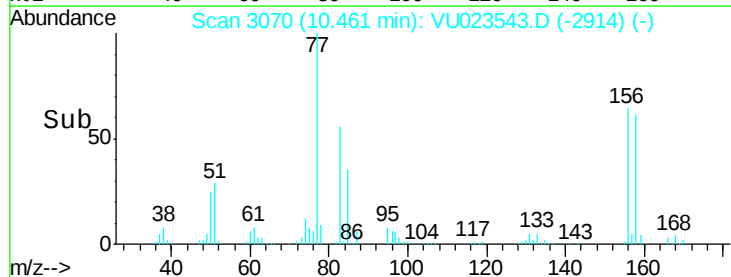
60000

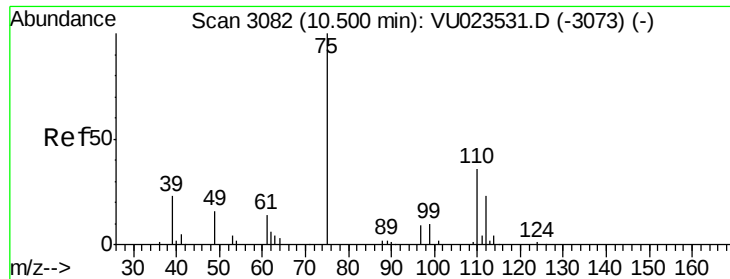
40000

20000

0

Time-->





#71
 1,2,3-Trichloropropane
 Concen: 10.78 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

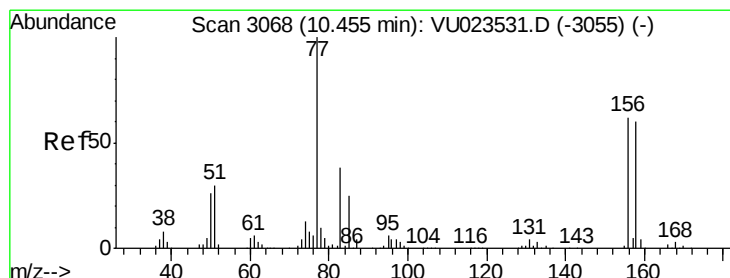
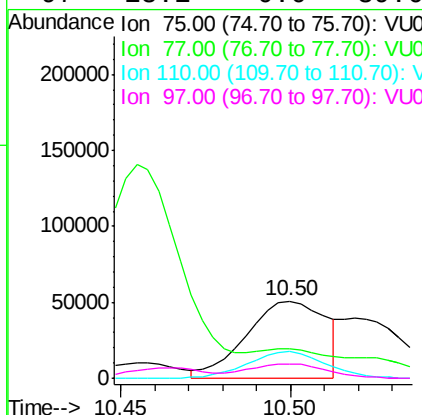
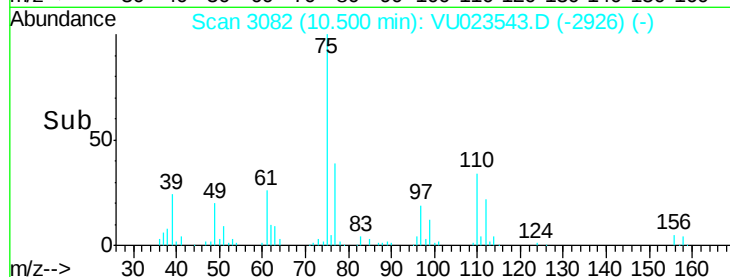
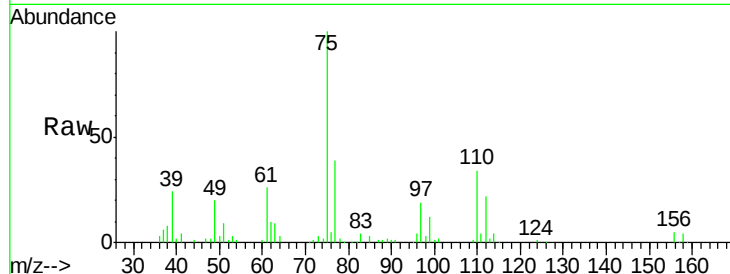
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	75	Resp:	82902
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	33.7	0.0	74.0
97	18.1	0.0	39.6

Manual Integrations
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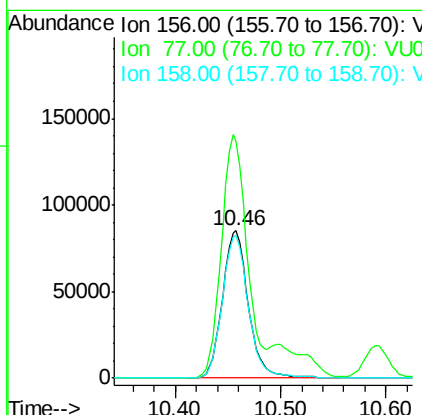
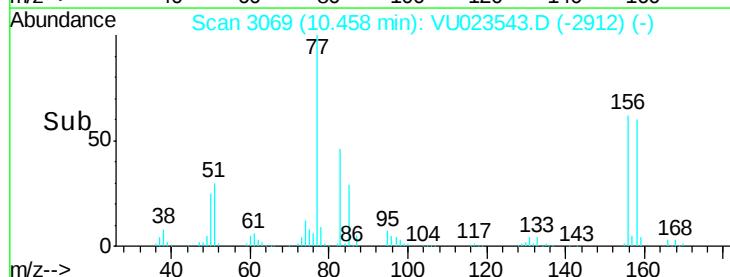
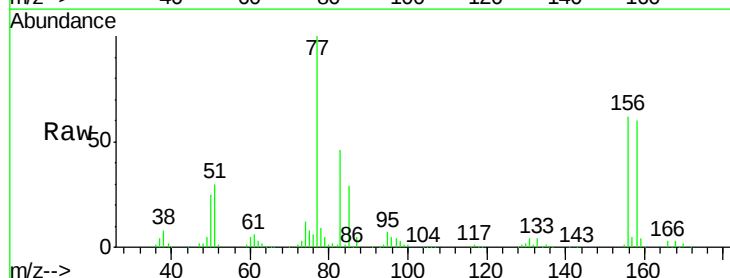
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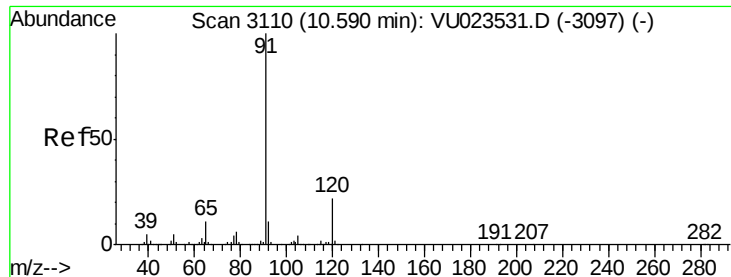
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#72
 Bromobenzene
 Concen: 10.42 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion:	156	Resp:	144854
Ion Ratio	Lower	Upper	
156	100		
77	163.0	0.0	309.8
158	97.2	0.0	193.0





#73

n-propylbenzene

Concen: 10.99 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 169549

Ion Ratio Lower Upper

120 100

91 440.4 352.2 528.4

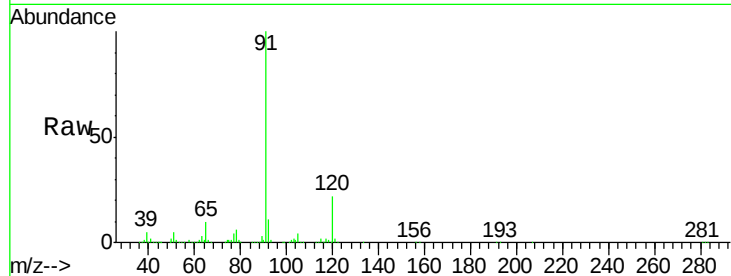
Manual Integrations

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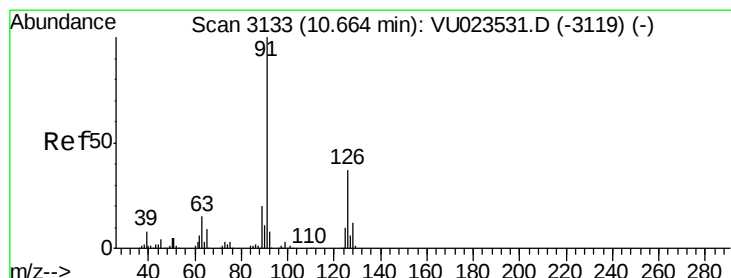
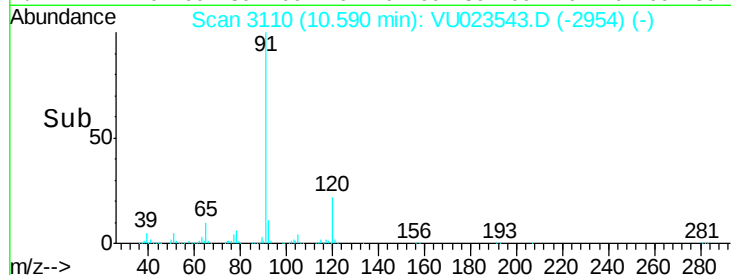
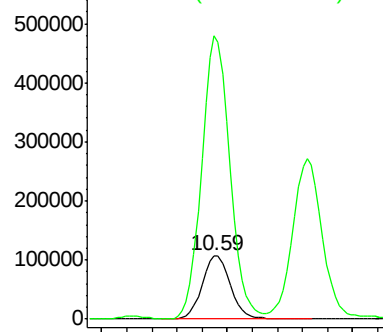
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.87 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU023543.D

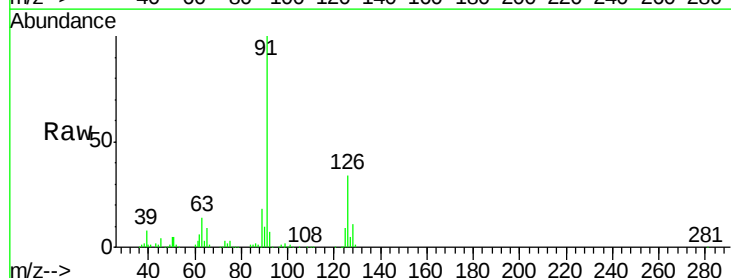
Acq: 30 Apr 2018 22:54

Tgt Ion:126 Resp: 148246

Ion Ratio Lower Upper

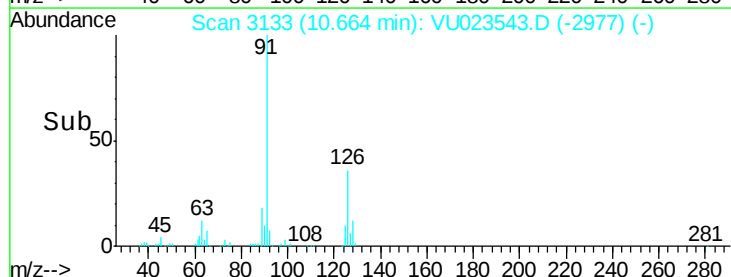
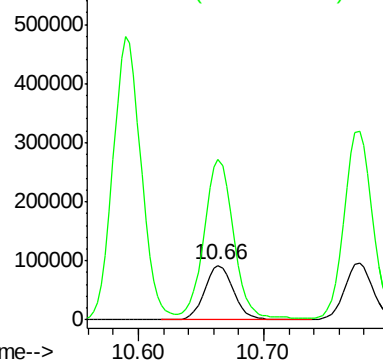
126 100

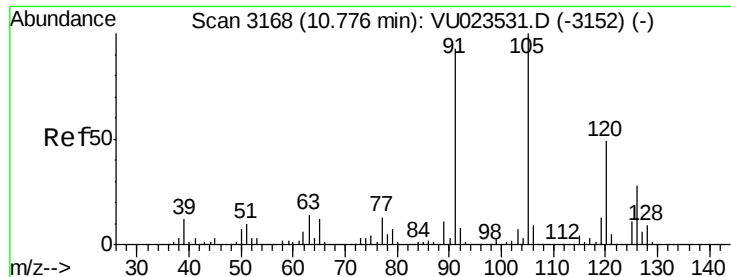
91 301.9 0.0 613.0



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: 11.21 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 527292

Ion Ratio Lower Upper

105 100

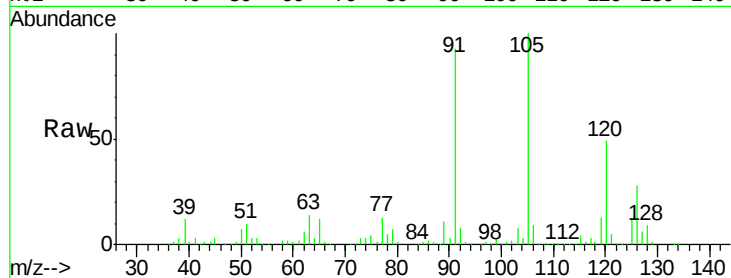
120 48.0 39.0 58.6

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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

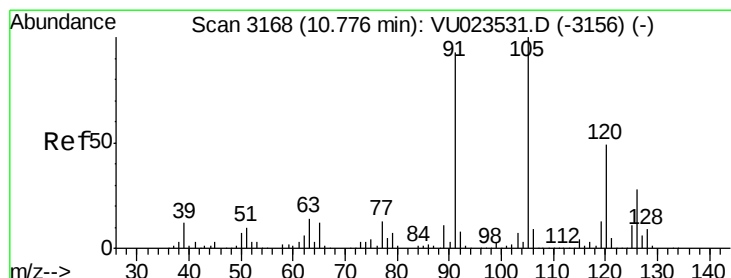
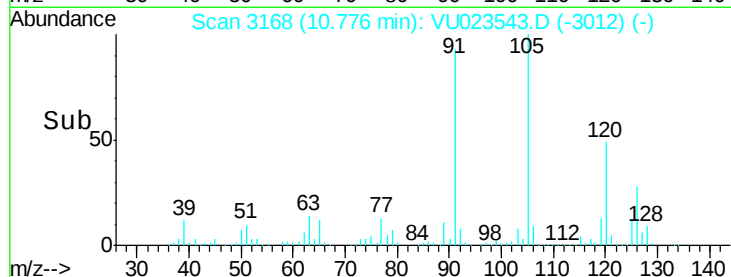
300000

200000

100000

0

Time-->



#76

4-Chlorotoluene

Concen: 10.79 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU023543.D

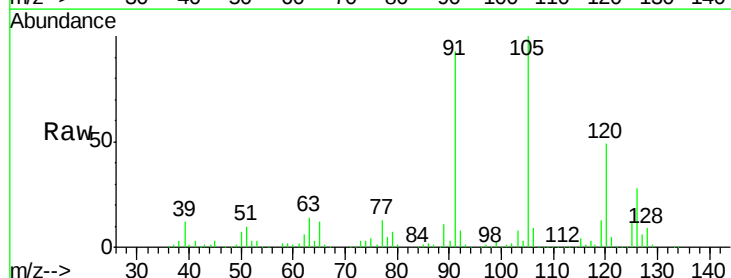
Acq: 30 Apr 2018 22:54

Tgt Ion:126 Resp: 152500

Ion Ratio Lower Upper

126 100

91 334.7 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

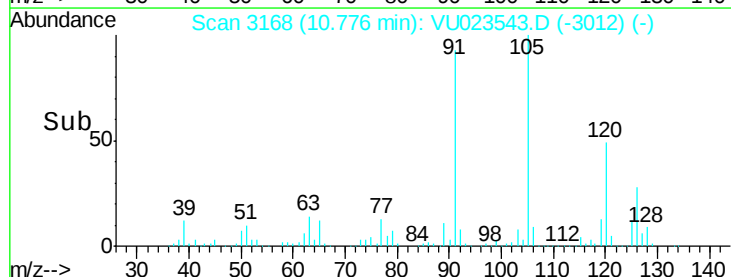
300000

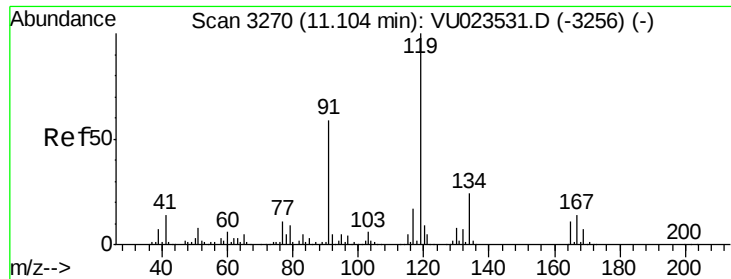
200000

100000

0

Time-->





#77

tert-Butylbenzene

Concen: 10.70 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

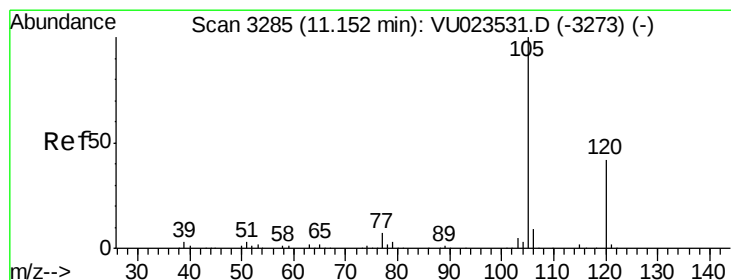
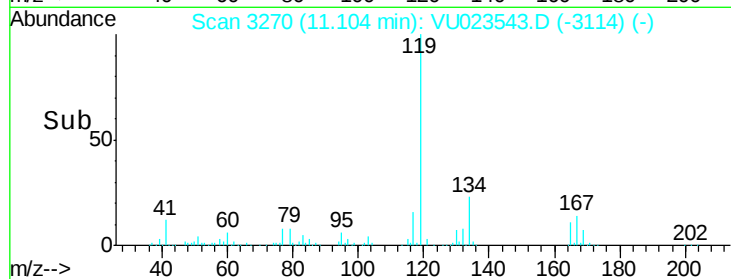
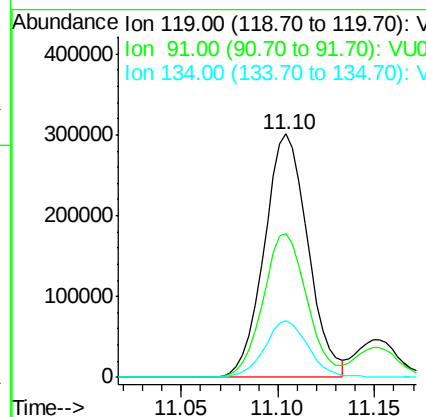
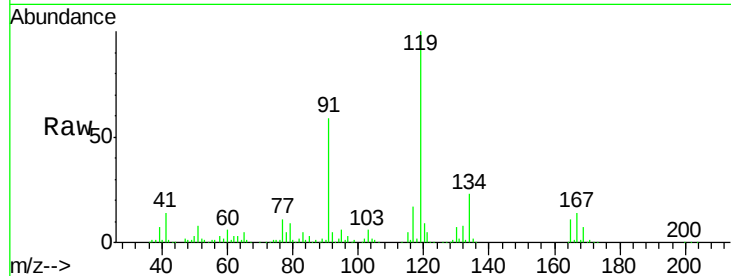
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	471253		
91	59.8	29.6	88.8	
134	23.5	19.1	28.7	

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#78

1,2,4-Trimethylbenzene

Concen: 11.17 ug/l

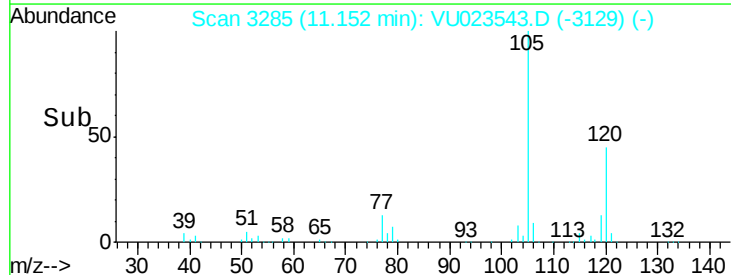
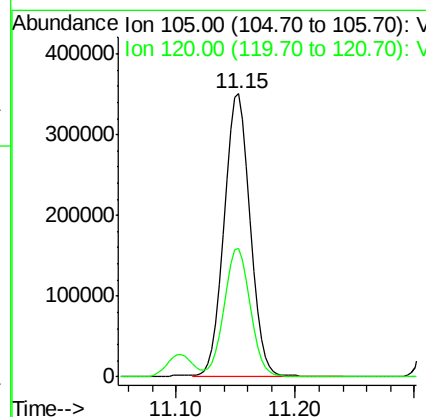
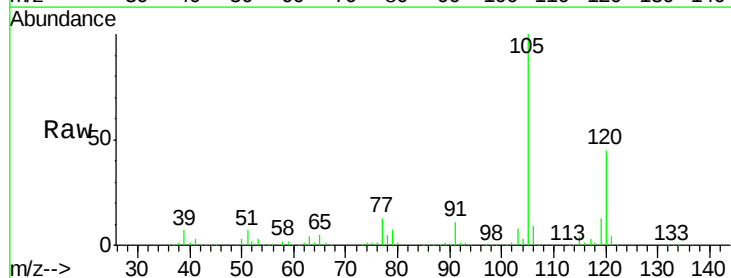
RT: 11.15 min Scan# 3285

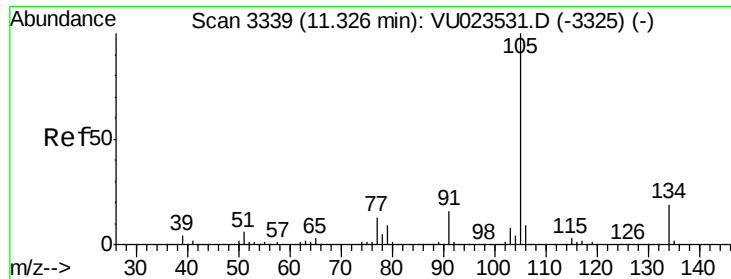
Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	530234		
120	45.8	23.1	69.3	





#79
 sec-Butylbenzene
 Concen: 10.82 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

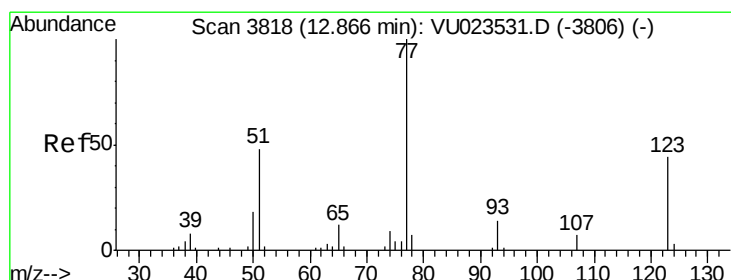
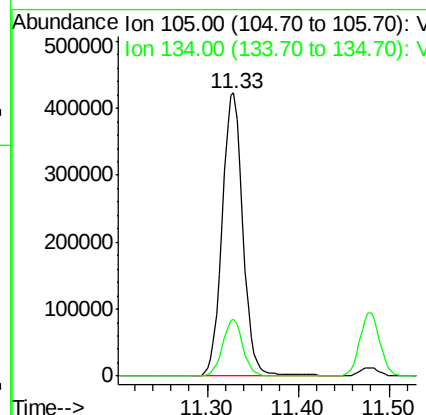
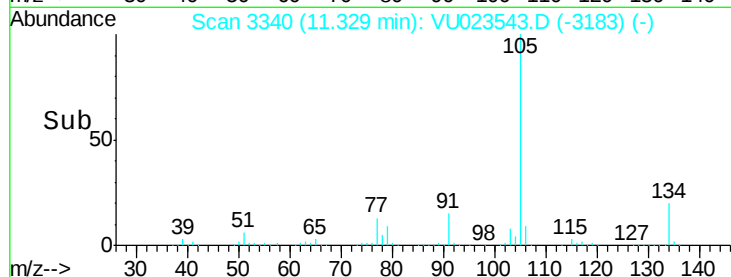
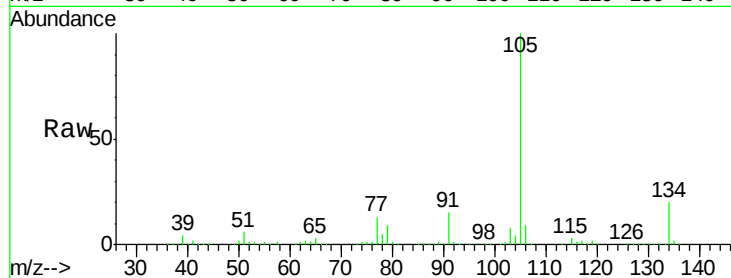
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 667689
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.6 23.4

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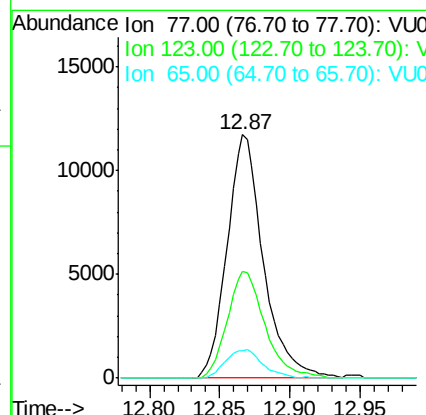
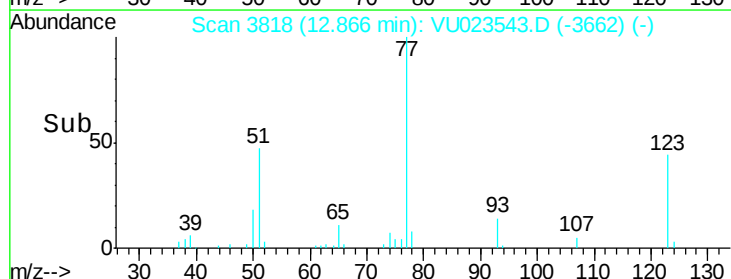
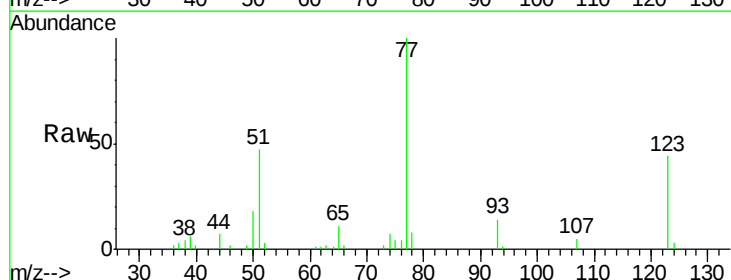
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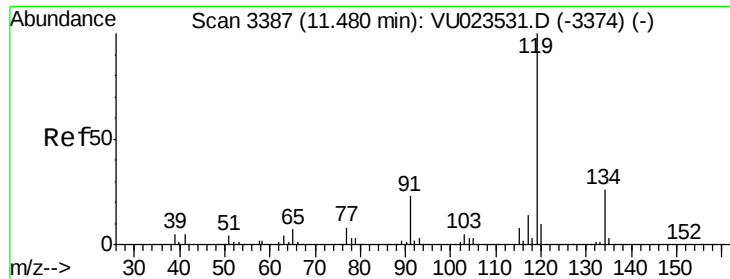
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#80
 Nitrobenzene
 Concen: 47.47 ug/l
 RT: 12.87 min Scan# 3818
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion: 77 Resp: 21055
 Ion Ratio Lower Upper
 77 100
 123 45.4 19.4 68.6
 65 11.8 11.2 14.2





#81
 p-Isopropyltoluene
 Concen: 11.07 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

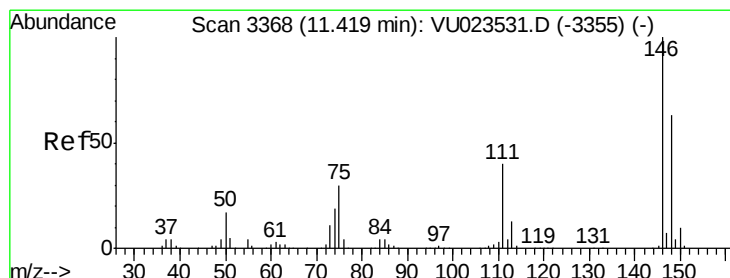
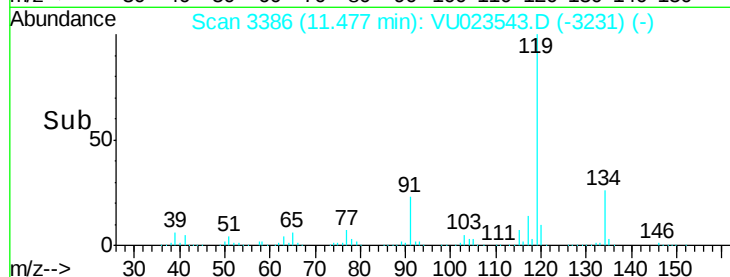
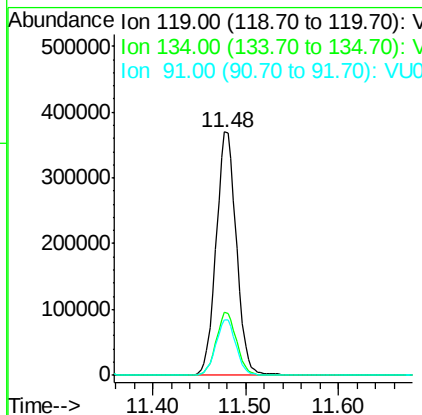
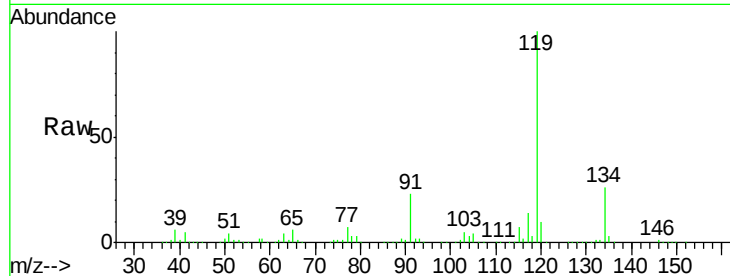
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	119	Resp:	561129
Ion Ratio	Lower	Upper	
119	100		
134	25.8	20.9	31.3
91	22.5	18.2	27.2

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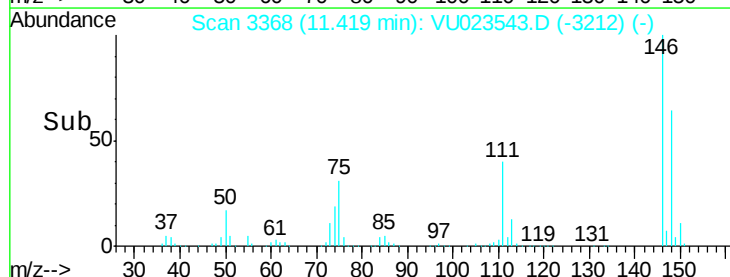
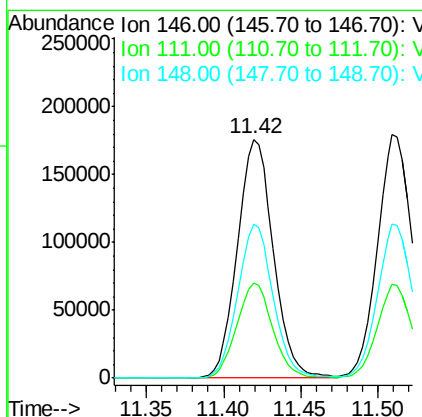
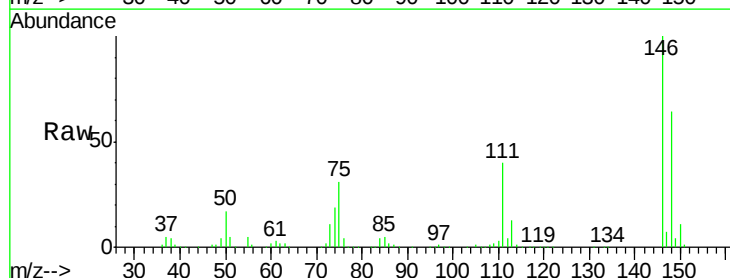
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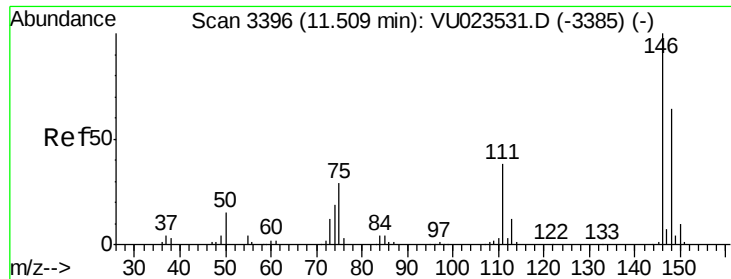
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#82
 1,3-Dichlorobenzene
 Concen: 10.27 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion:	146	Resp:	284979
Ion Ratio	Lower	Upper	
146	100		
111	39.8	31.8	47.6
148	63.4	51.0	76.4





#83
 1,4-Dichlorobenzene
 Concen: 10.49 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

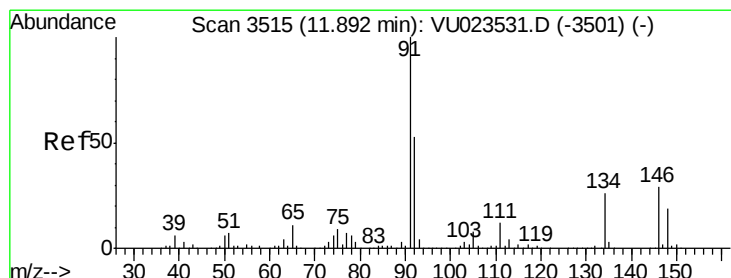
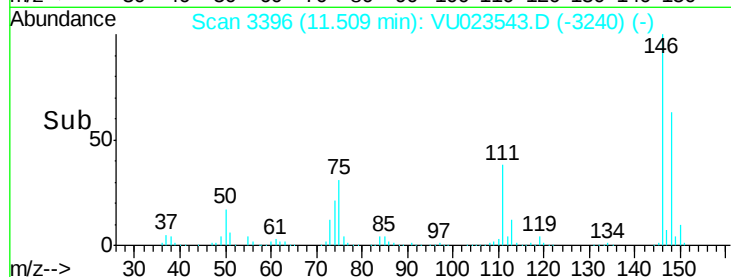
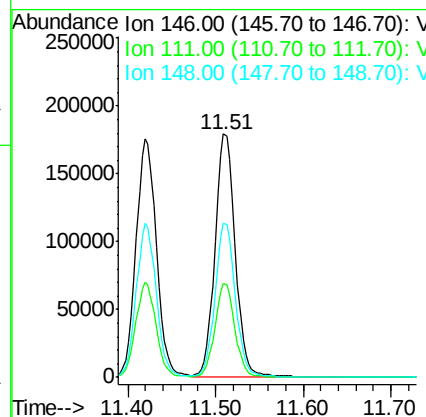
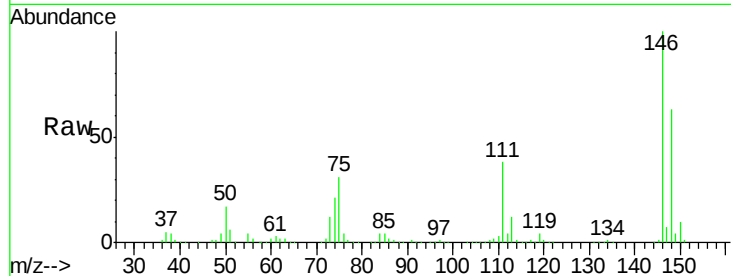
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	30.1	45.1
148	63.0	50.6	76.0

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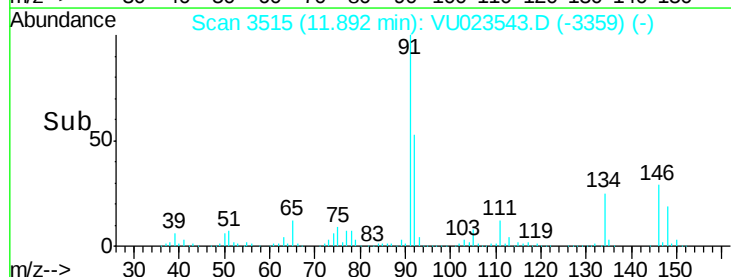
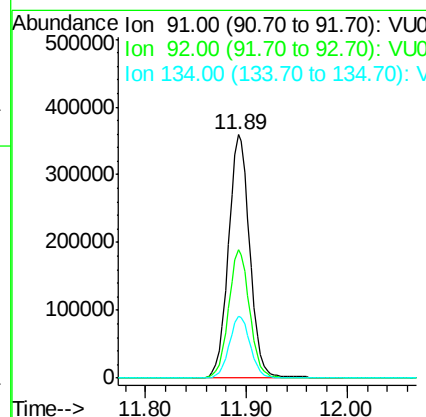
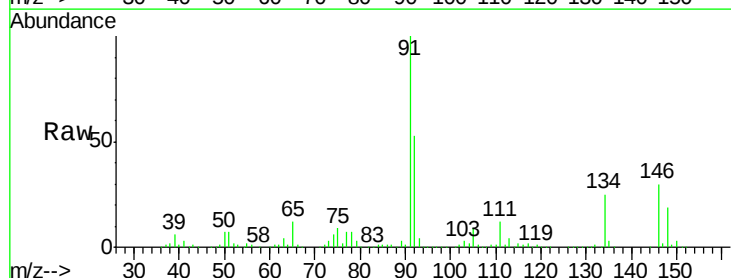
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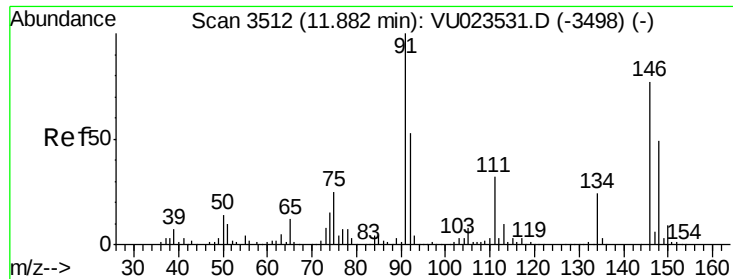
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#84
 n-Butylbenzene
 Concen: 10.73 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	42.2	63.2
134	25.2	20.3	30.5





#85
 1,2-Dichlorobenzene
 Concen: 10.23 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

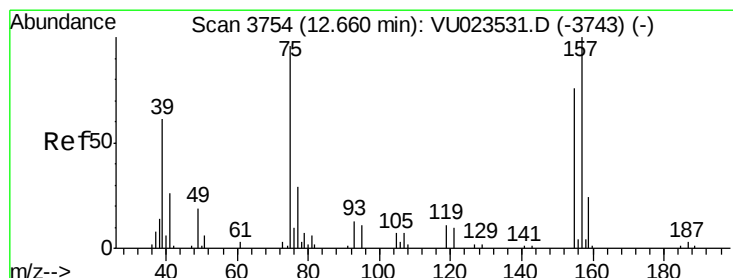
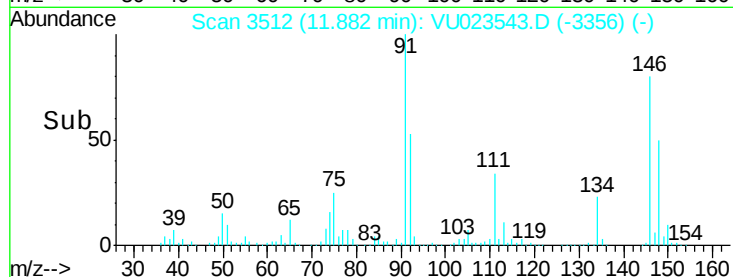
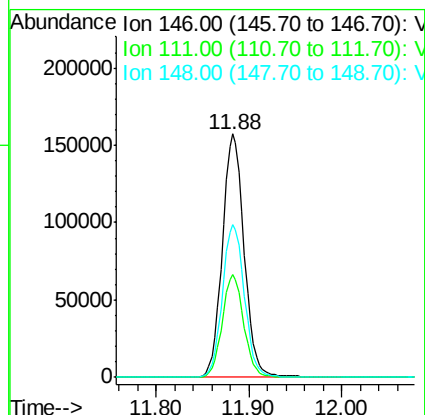
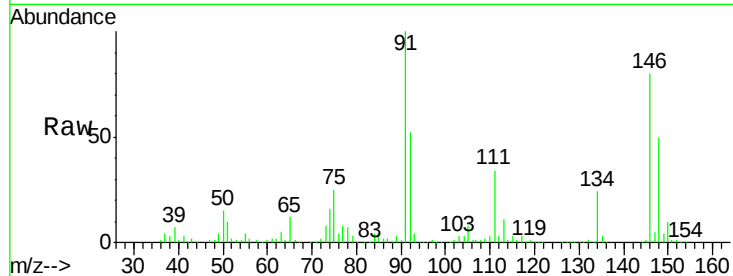
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	63.7	31.9	95.5

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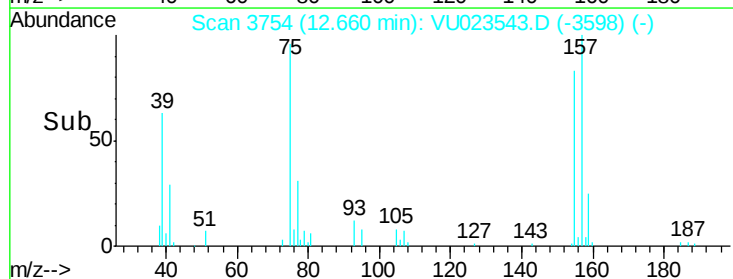
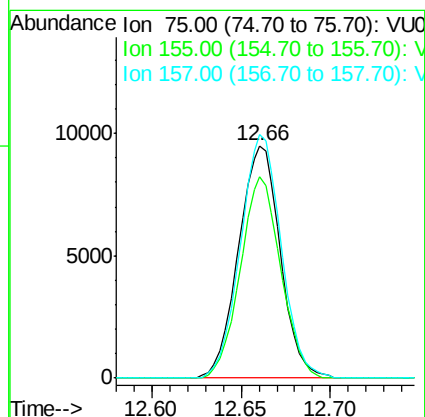
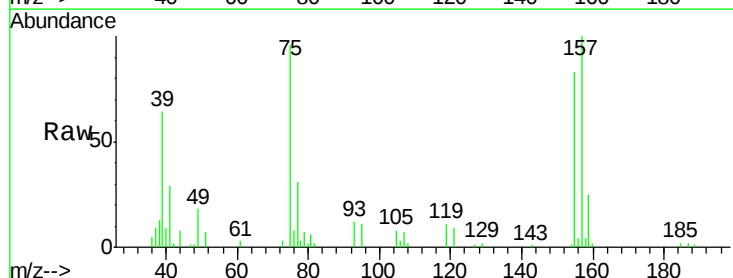
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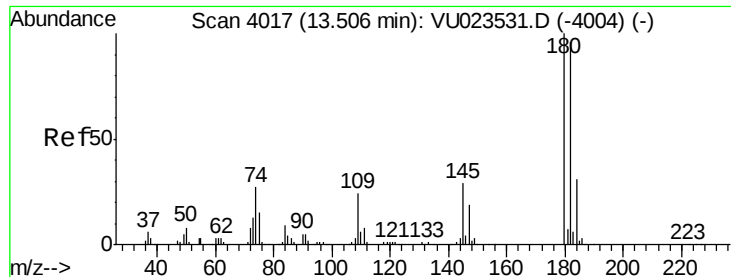
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.18 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU023543.D
 Acq: 30 Apr 2018 22:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	65.8	98.6
157	102.3	83.5	125.3





#87

1,2,4-Trichlorobenzene

Concen: 10.17 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

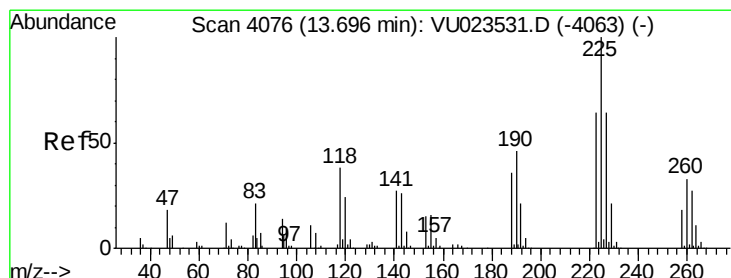
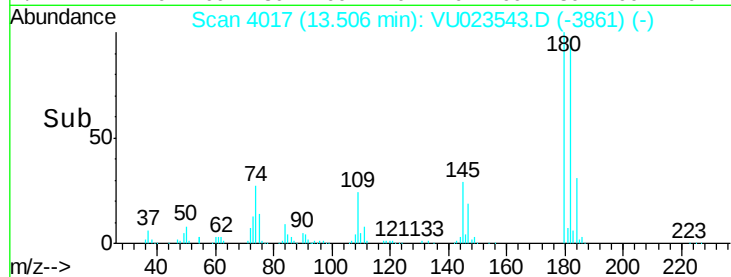
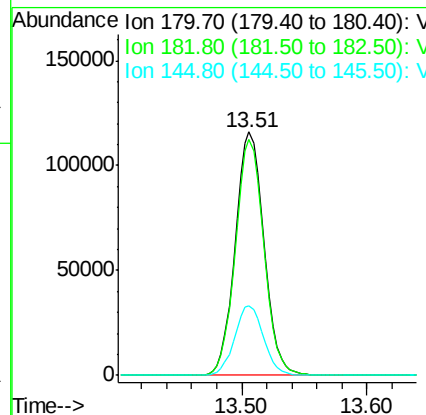
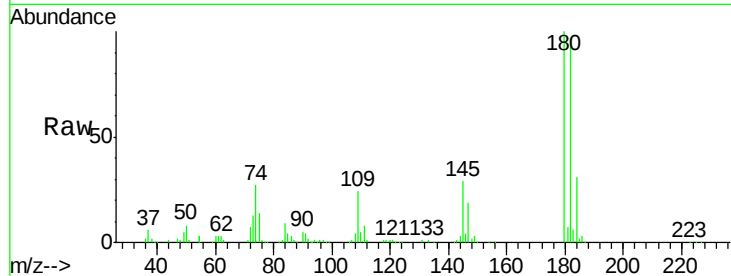
Tot Ion:	180	Resp:	184284
Ion Ratio	Lower	Upper	
180	100		
182	95.9	77.1	115.7
145	28.8	23.3	34.9

Manual Integrations
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#88

Hexachlorobutadiene

Concen: 9.90 ug/l

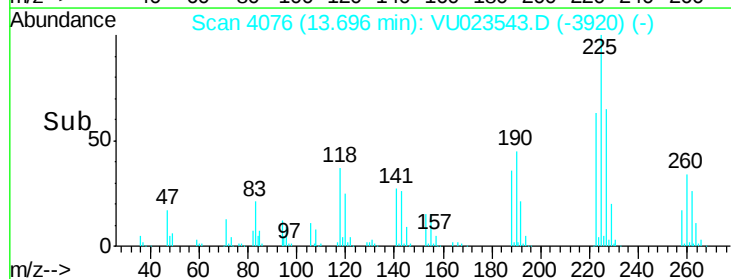
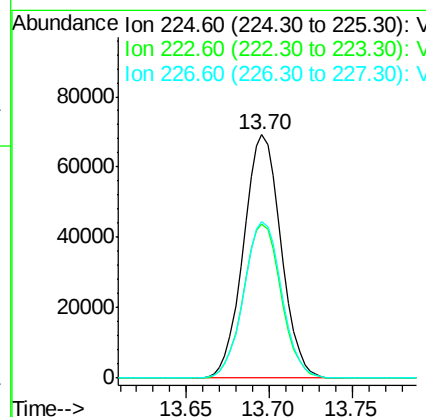
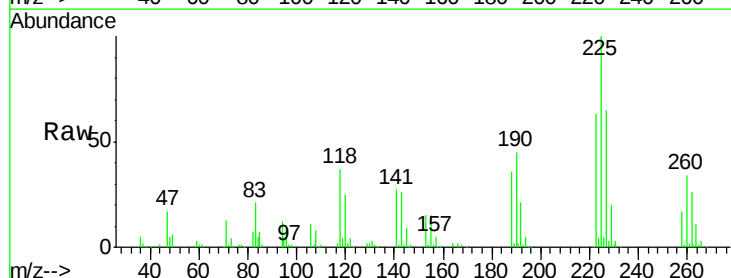
RT: 13.70 min Scan# 4076

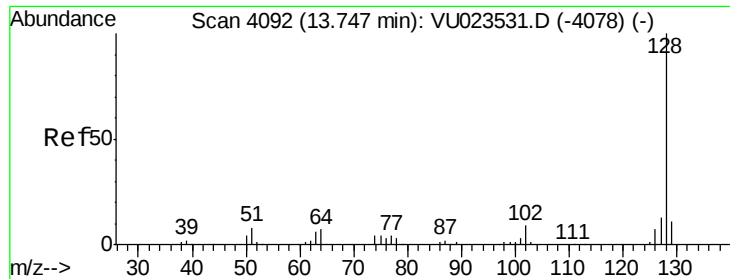
Delta R.T. 0.00 min

Lab File: VU023543.D

Acq: 30 Apr 2018 22:54

Tgt Ion:	225	Resp:	108760
Ion Ratio	Lower	Upper	
225	100		
223	63.6	50.6	75.8
227	64.8	51.8	77.6





#89
Naphthalene
Concen: 11.04 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

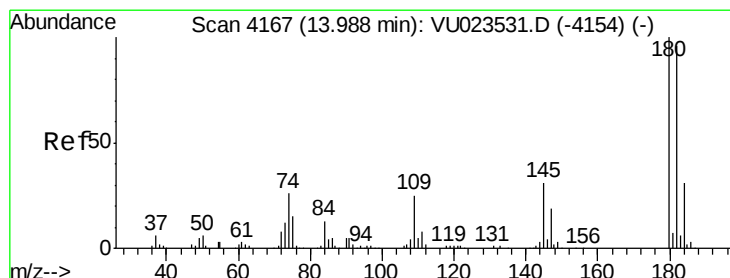
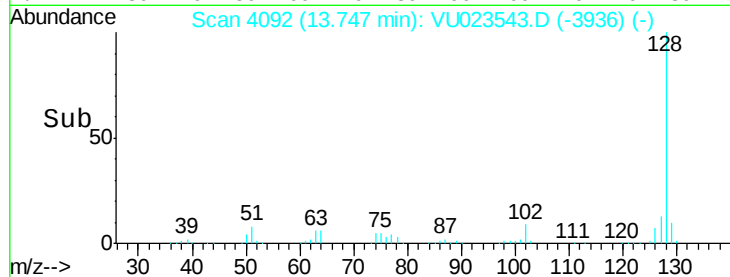
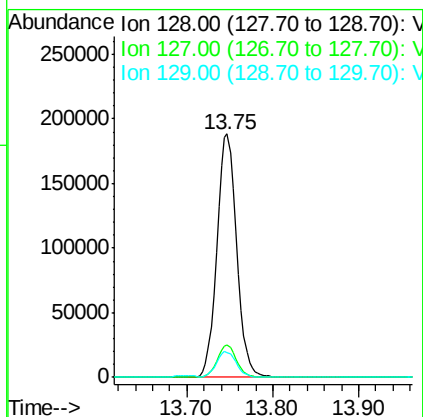
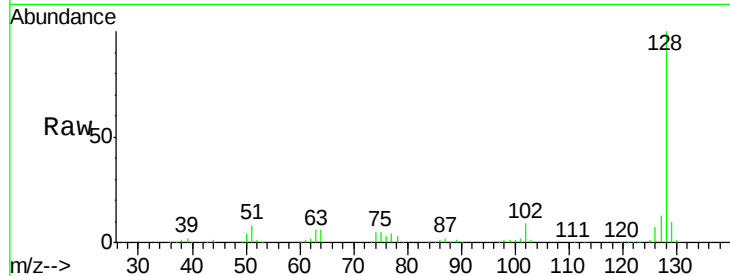
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.7	13.1

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#90
1,2,3-Trichlorobenzene
Concen: 10.27 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU023543.D
Acq: 30 Apr 2018 22:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
145	30.3	24.6	36.8

