

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024863.D
 Acq On : 23 Jun 2018 03:54
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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 6/26/2018 11:59:58 AM

Quant Time: Jun 23 05:00:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	169203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	264752	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	243952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149894	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	120052	43.46	ug/l	0.00
Spiked Amount			Recovery	=	86.92%	
35) Dibromofluoromethane	4.89	113	96846	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	
50) Toluene-d8	7.57	98	332774	41.52	ug/l	0.00
Spiked Amount			Recovery	=	83.04%	
62) 4-Bromofluorobenzene	10.31	95	133930	42.09	ug/l	0.00
Spiked Amount			Recovery	=	84.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	90909	42.92	ug/l	99
3) Chloromethane	1.33	50	88001	40.67	ug/l	98
4) Vinyl Chloride	1.40	62	99206	44.46	ug/l	97
5) Bromomethane	1.62	94	53931	50.00	ug/l	100
6) Chloroethane	1.70	64	66891	53.72	ug/l	99
7) Trichlorofluoromethane	1.89	101	164216	48.22	ug/l	98
8) Diethyl Ether	2.10	74	61352	53.06	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	94565	44.76	ug/l	97
10) Methyl Iodide	2.41	142	73940	42.27	ug/l	99
11) Tert butyl alcohol	2.83	59	135511	201.71	ug/l	99
12) 1,1-Dichloroethene	2.29	96	86785	45.04	ug/l	95
13) Acrolein	2.20	56	45028	127.64	ug/l	97
14) Allyl chloride	2.60	41	167386	46.79	ug/l	92
15) Acrylonitrile	2.94	53	295935	226.41	ug/l	99
16) Acetone	2.32	43	265552	178.92	ug/l	100
17) Carbon Disulfide	2.48	76	241489	39.14	ug/l	99
18) Methyl Acetate	2.62	43	160351	50.40	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	350262	48.36	ug/l	95
20) Methylene Chloride	2.71	84	103099	44.27	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	94705	44.63	ug/l	98
22) Diisopropyl ether	3.57	45	337056	47.53	ug/l	94
23) Vinyl Acetate	3.53	43	1447081	227.80	ug/l	99
24) 1,1-Dichloroethane	3.45	63	192756	47.25	ug/l	99
25) 2-Butanone	4.26	43	427958	214.67	ug/l	98
26) 2,2-Dichloropropane	4.23	77	147990	38.20	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	117655	48.23	ug/l	97
28) Bromochloromethane	4.55	49	82309	45.81	ug/l	84
29) Tetrahydrofuran	4.64	42	272585	220.80	ug/l	96
30) Chloroform	4.68	83	205132	49.68	ug/l	96
31) Cyclohexane	5.00	56	171844	47.33	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	185601	48.61	ug/l	96
36) 1,1-Dichloropropene	5.14	75	140861	45.28	ug/l	98
37) Ethyl Acetate	4.38	43	164639	48.55	ug/l	98
38) Carbon Tetrachloride	5.14	117	166814	48.76	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	171852	44.27	ug/l	95
40) Benzene	5.39	78	418490	47.21	ug/l	100
41) Methacrylonitrile	4.54	41	91180	49.87	ug/l	99
42) 1,2-Dichloroethane	5.41	62	172589	51.12	ug/l	99
43) Isopropyl Acetate	5.55	43	265233	45.25	ug/l	99
44) Trichloroethene	6.19	130	116029	45.99	ug/l	95
45) 1,2-Dichloropropane	6.44	63	112934	47.75	ug/l	99
46) Dibromomethane	6.56	93	80791	48.63	ug/l	94
47) Bromodichloromethane	6.76	83	158823	48.01	ug/l	99
48) Methyl methacrylate	6.63	41	132947	46.58	ug/l	98
49) 1,4-Dioxane	6.62	88	59473	1065.55	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	855782	232.41	ug/l	98
52) Toluene	7.64	92	272755	47.82	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	166036	44.69	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	176466	44.57	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	112318	48.45	ug/l	97
56) Ethyl methacrylate	8.02	69	182323	46.99	ug/l	98
57) 1,3-Dichloropropane	8.25	76	191904	49.07	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	279024	187.70	ug/l	96
59) 2-Hexanone	8.36	43	673517	224.04	ug/l	100
60) Dibromochloromethane	8.48	129	133137	46.05	ug/l	100
61) 1,2-Dibromoethane	8.59	107	122428	47.45	ug/l	98
64) Tetrachloroethene	8.23	164	113445	48.92	ug/l	99
65) Chlorobenzene	9.12	112	308879	49.56	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	117686	49.70	ug/l	99
67) Ethyl Benzene	9.25	91	535263	48.99	ug/l	99
68) m/p-Xylenes	9.38	106	415692	99.08	ug/l	97
69) o-Xylene	9.78	106	203907	49.11	ug/l	99
70) Styrene	9.80	104	339820	49.80	ug/l	98
71) Bromoform	9.96	173	105029	46.67	ug/l #	98
73) Isopropylbenzene	10.17	105	560360	48.69	ug/l	99
74) N-amyl acetate	10.01	43	246126	44.96	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	186522	48.37	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	184293m	55.84	ug/l	
77) Bromobenzene	10.45	156	143376	49.21	ug/l	94
78) n-propylbenzene	10.59	91	635701	46.89	ug/l	97
79) 2-Chlorotoluene	10.66	91	380458	47.59	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	483504	48.47	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	52911m	37.11	ug/l	
82) 4-Chlorotoluene	10.78	91	444779	47.80	ug/l	100
83) tert-Butylbenzene	11.10	119	478831	49.90	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	492489	48.45	ug/l	100
85) sec-Butylbenzene	11.33	105	576643	48.01	ug/l	97
86) p-Isopropyltoluene	11.48	119	510212	47.43	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	264199	49.08	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	262466	48.45	ug/l	99
89) n-Butylbenzene	11.89	91	428502	44.87	ug/l	97
90) Hexachloroethane	12.15	117	89157	42.49	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	273519	50.73	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51756	48.64	ug/l	96

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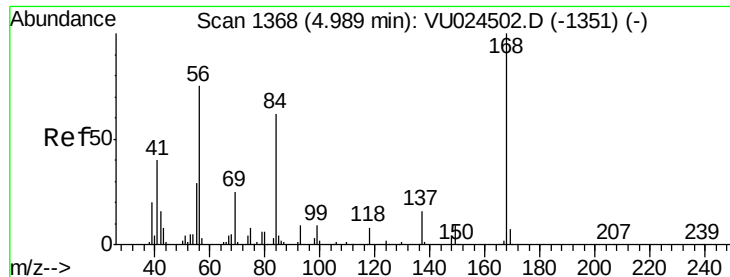
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	185347	55.67	ug/l	99
94) Hexachlorobutadiene	13.70	225	91020	48.57	ug/l	98
95) Naphthalene	13.74	128	618720	56.05	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	197512	59.54	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 169203

Ion Ratio Lower Upper

168 100

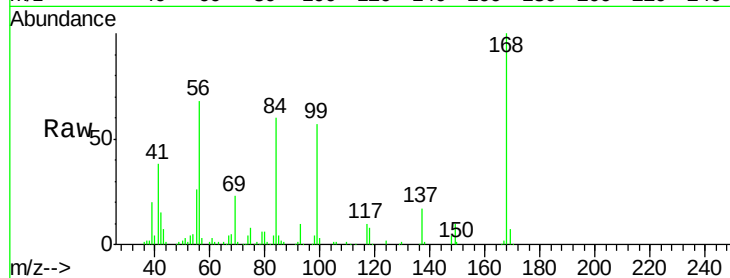
99 56.8 43.2 64.8

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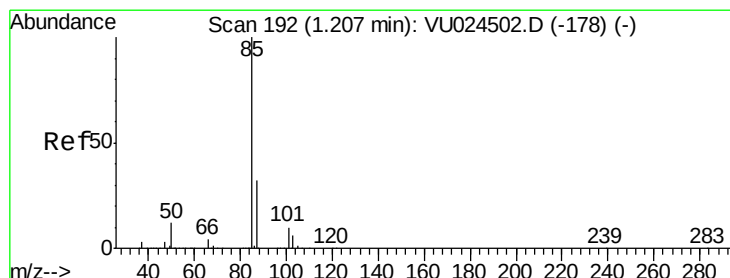
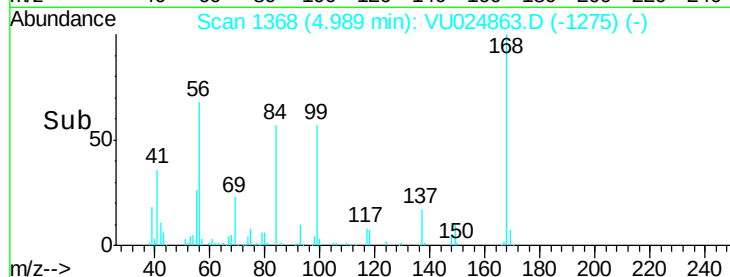
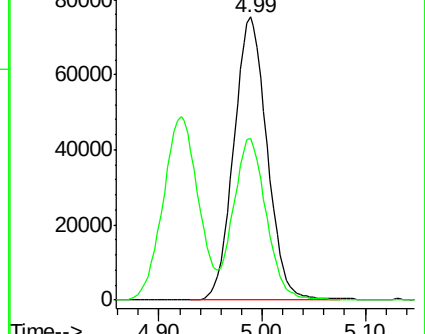
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 42.92 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024863.D

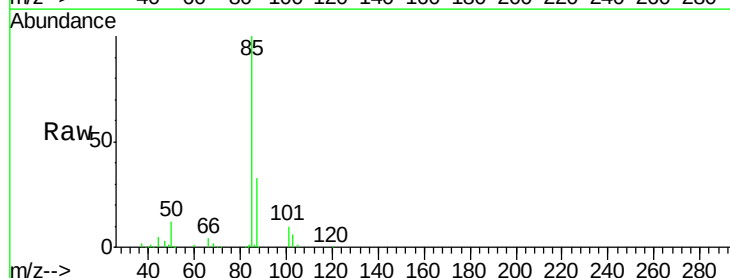
Acq: 23 Jun 2018 03:54

Tgt Ion: 85 Resp: 90909

Ion Ratio Lower Upper

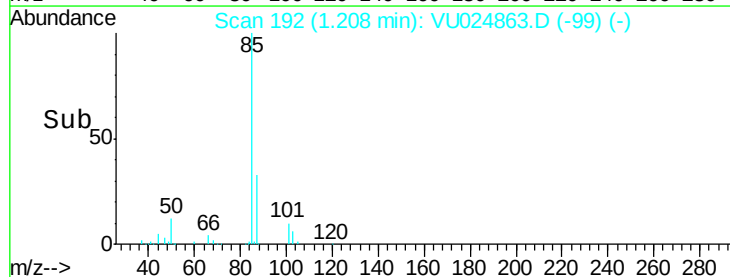
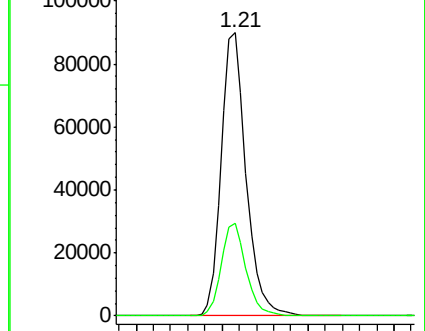
85 100

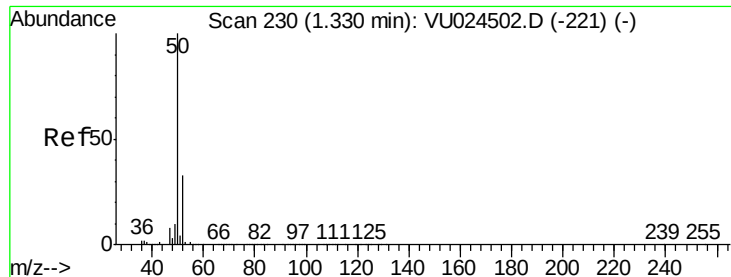
87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 40.67 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 88001

Ion Ratio Lower Upper

50 100

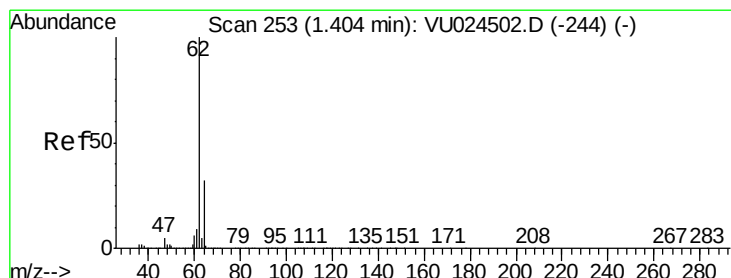
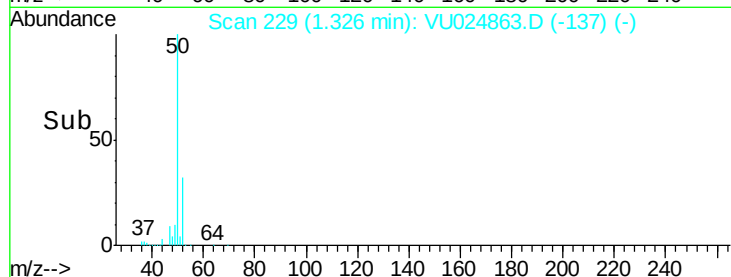
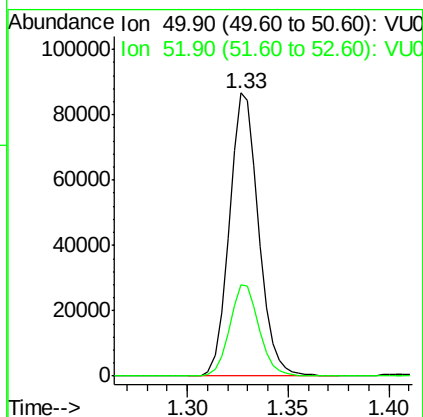
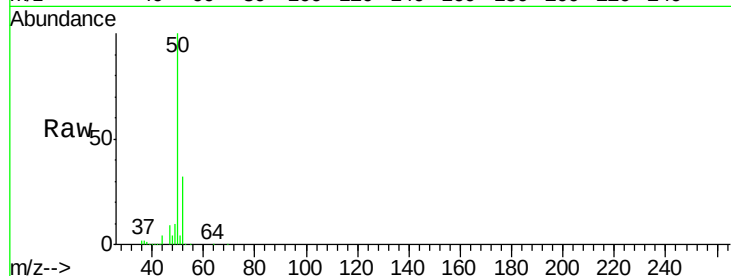
52 32.1 26.4 39.6

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#4

Vinyl Chloride

Concen: 44.46 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024863.D

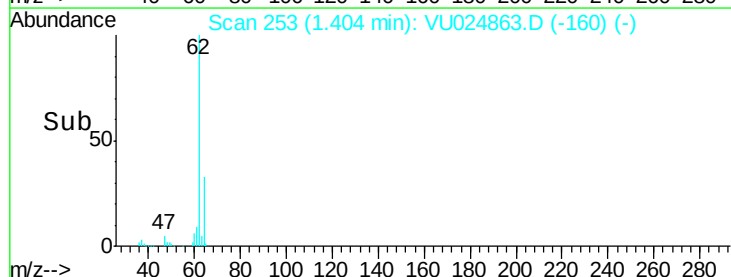
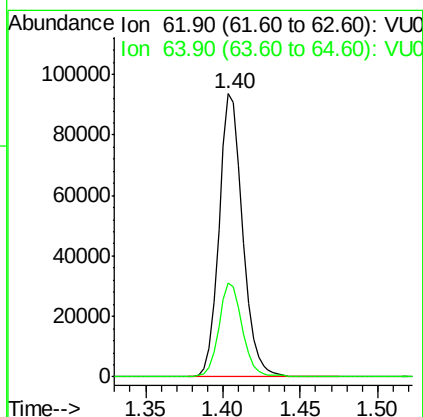
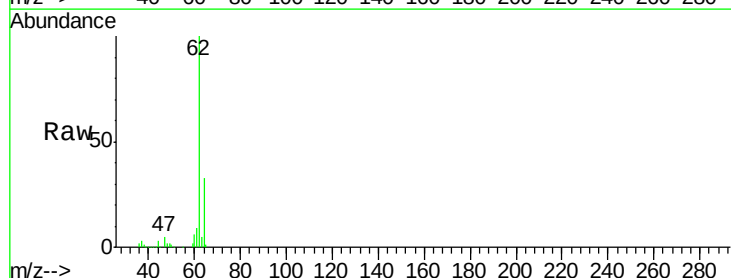
Acq: 23 Jun 2018 03:54

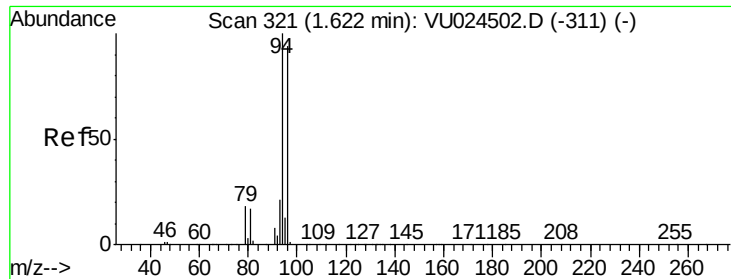
Tgt Ion: 62 Resp: 99206

Ion Ratio Lower Upper

62 100

64 32.9 24.8 37.2





#5

Bromomethane

Concen: 50.00 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 53931

Ion Ratio Lower Upper

94 100

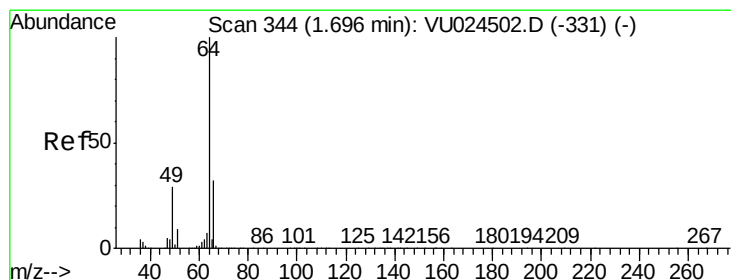
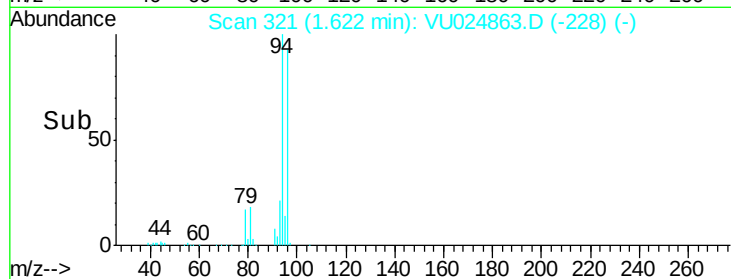
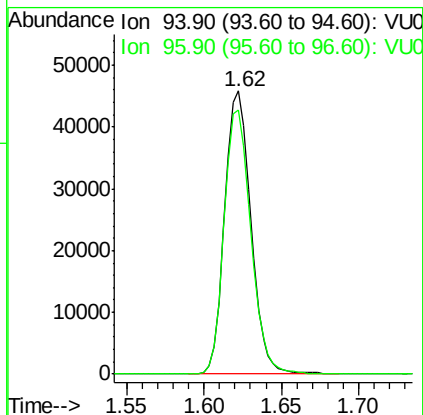
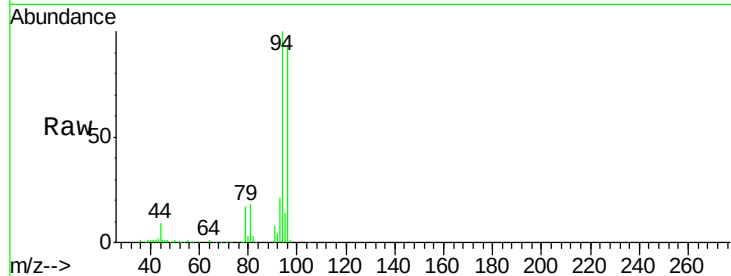
96 93.4 74.5 111.7

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#6

Chloroethane

Concen: 53.72 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024863.D

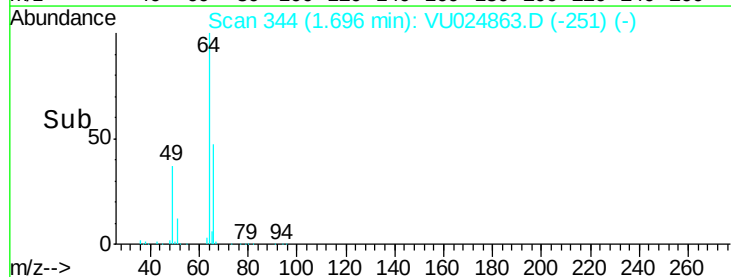
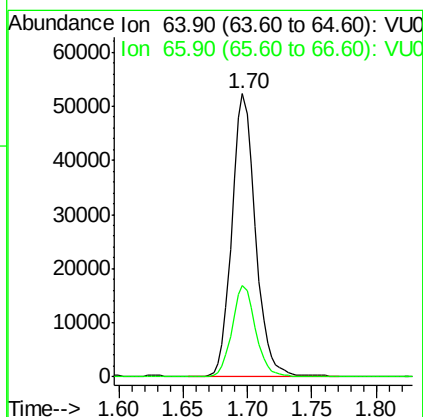
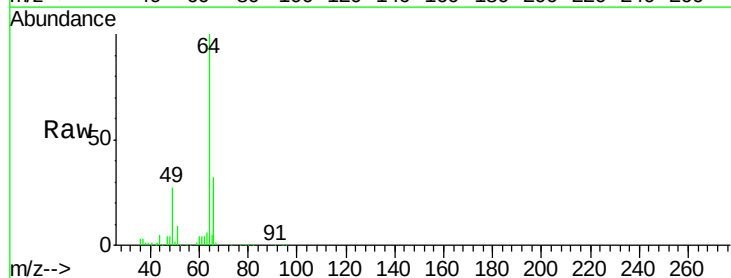
Acq: 23 Jun 2018 03:54

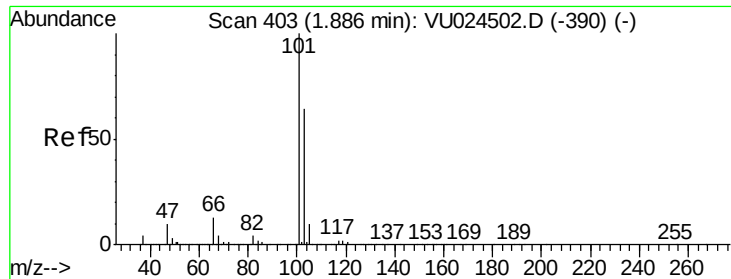
Tgt Ion: 64 Resp: 66891

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3





#7

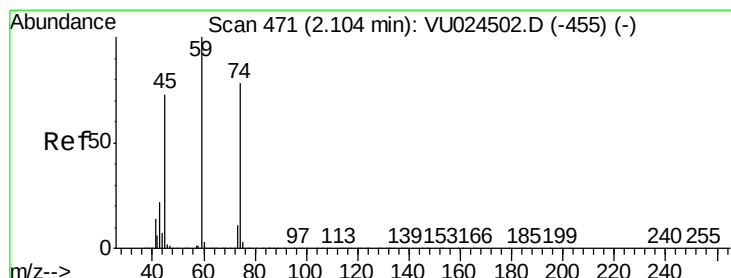
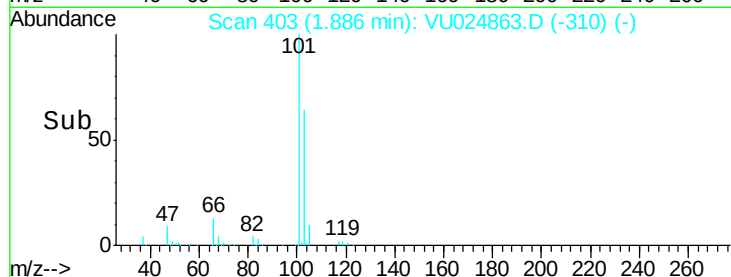
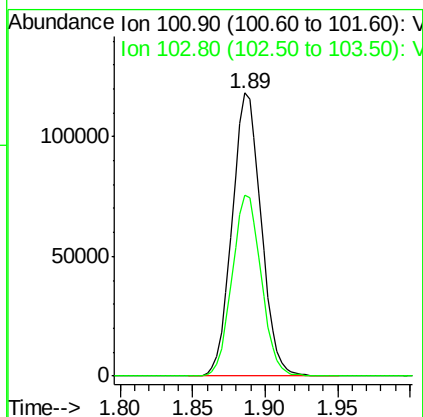
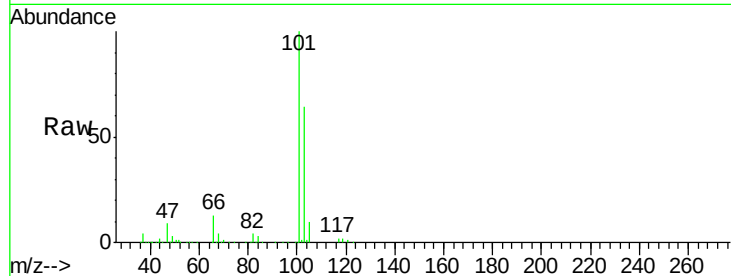
Trichlorofluoromethane
 Concen: 48.22 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.3	78.5

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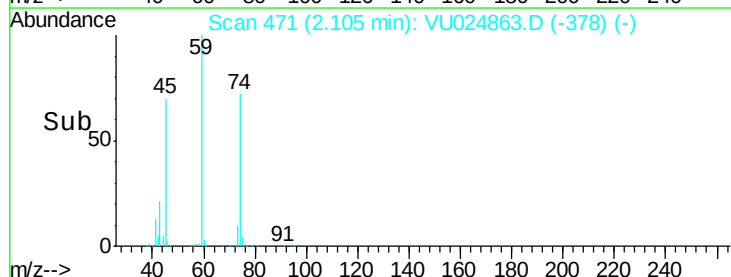
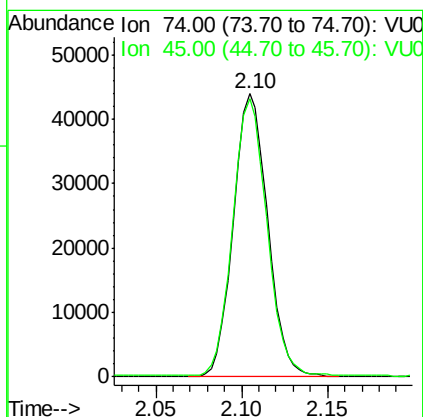
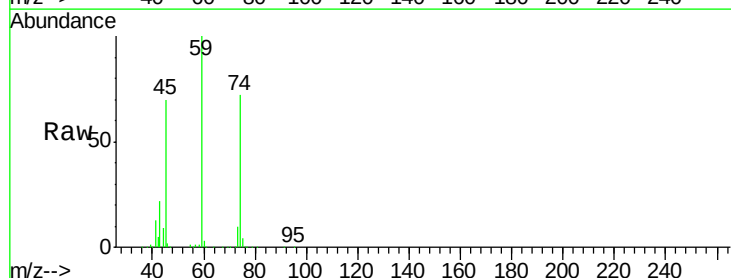
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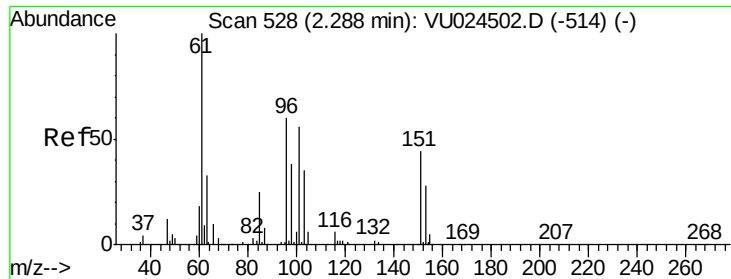


#8

Diethyl Ether
 Concen: 53.06 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.76 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

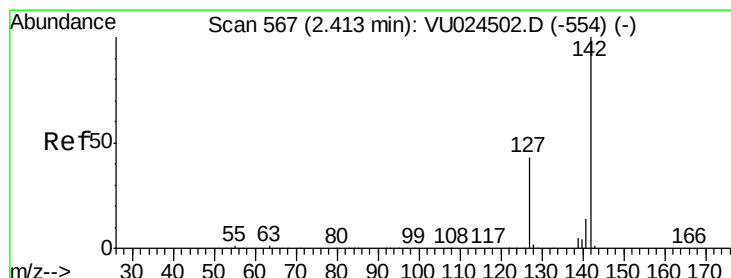
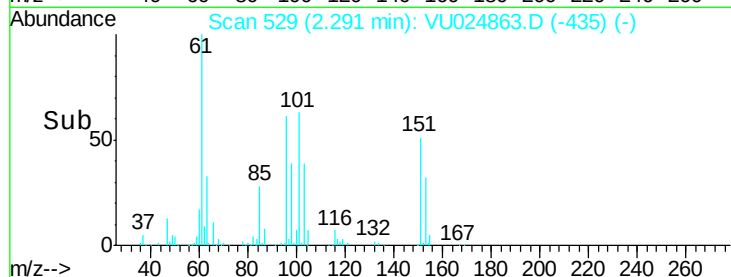
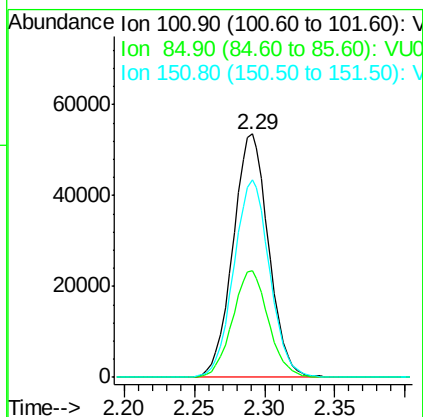
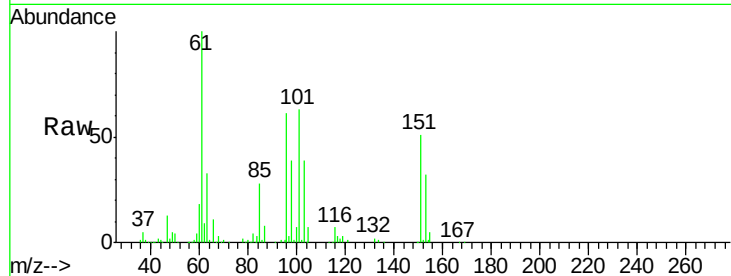
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	94565
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.0	54.0
151	81.9	62.3	93.5

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#10

Methyl Iodide

Concen: 42.27 ug/l

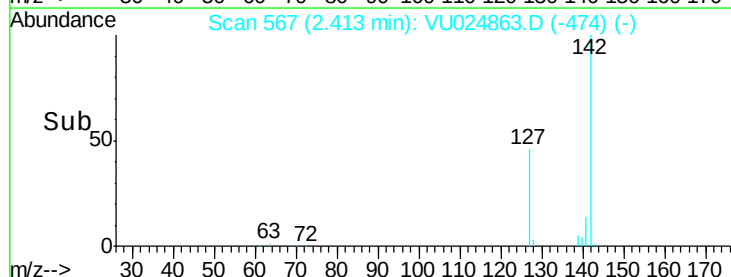
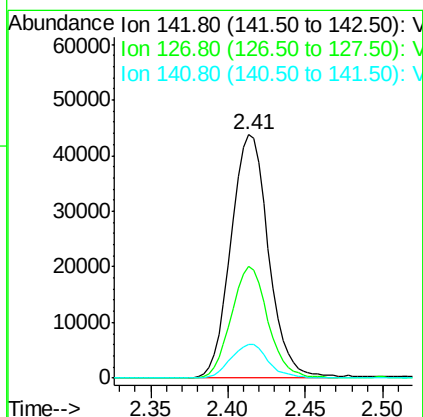
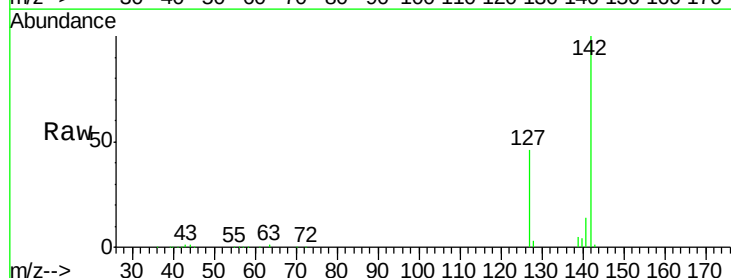
RT: 2.41 min Scan# 567

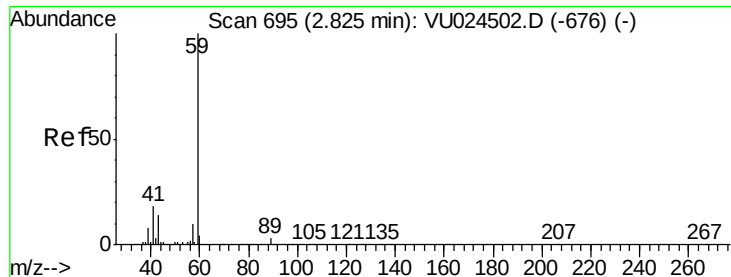
Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Tgt Ion:	142	Resp:	73940
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.6	53.4
141	13.9	11.7	17.5





#11

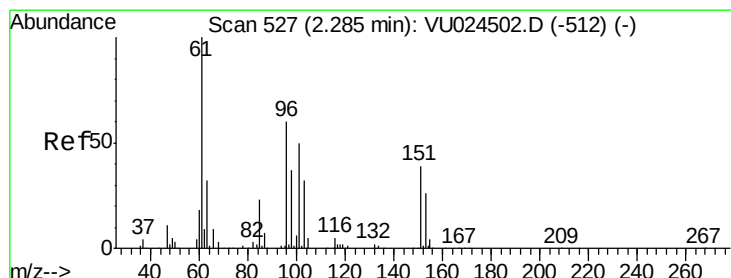
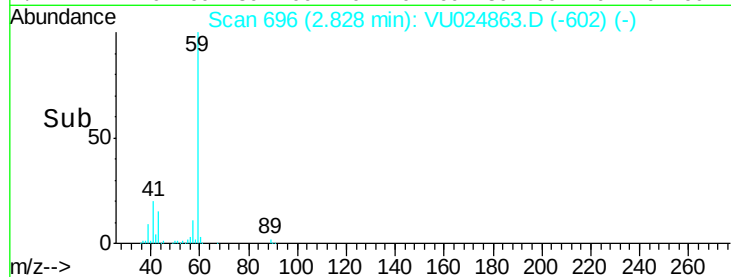
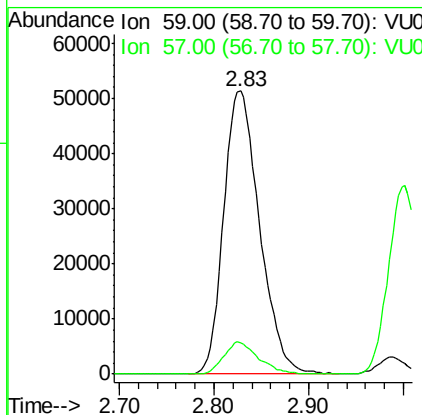
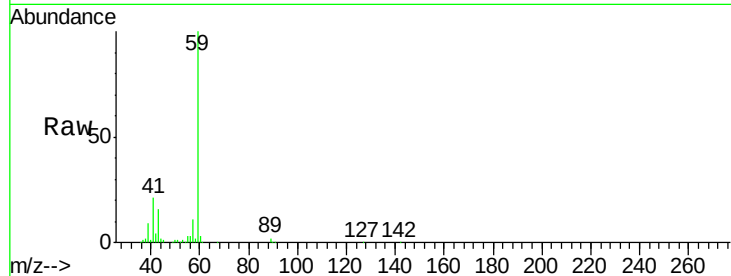
Tert butyl alcohol
 Concen: 201.71 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.5	12.7

Manual Integrations
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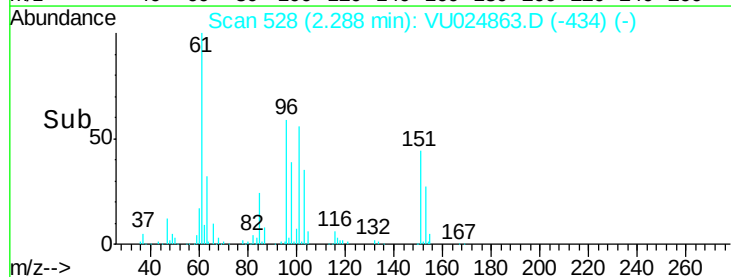
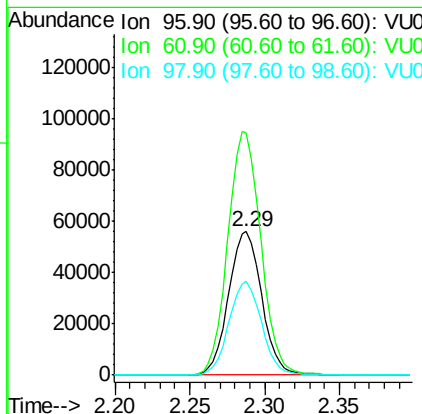
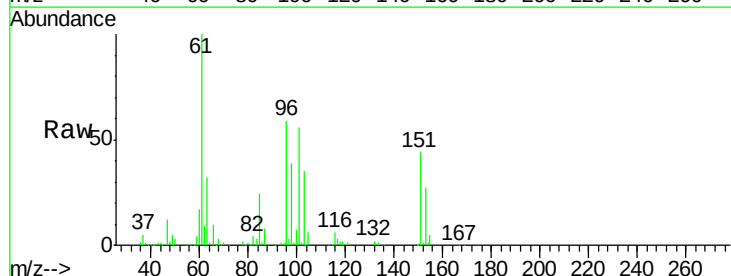
apatel
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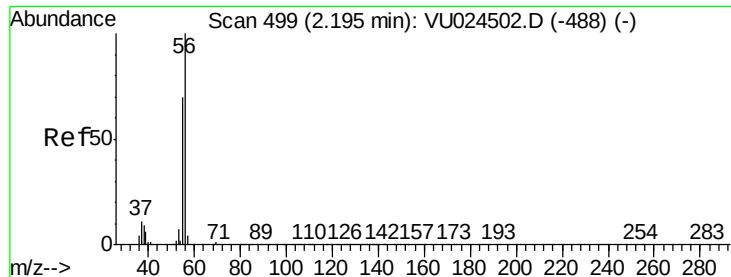


#12

1,1-Dichloroethene
 Concen: 45.04 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.0	141.7	212.5
98	65.4	51.6	77.4





#13

Acrolein

Concen: 127.64 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45028

Ion Ratio Lower Upper

56 100

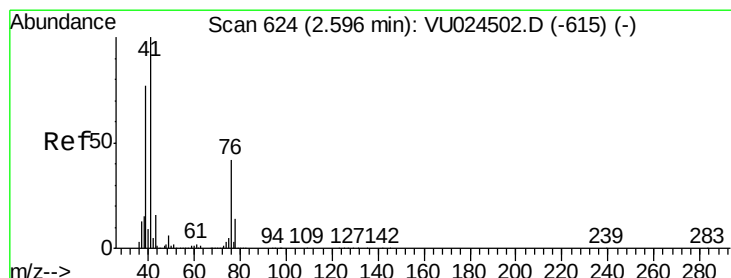
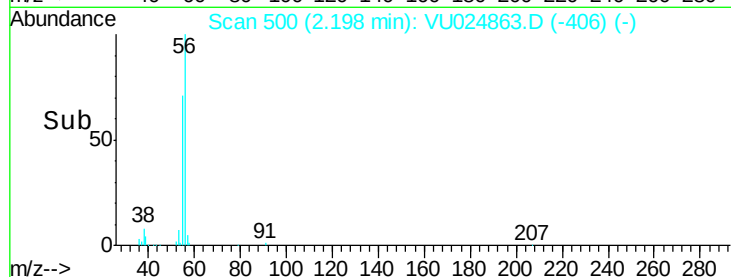
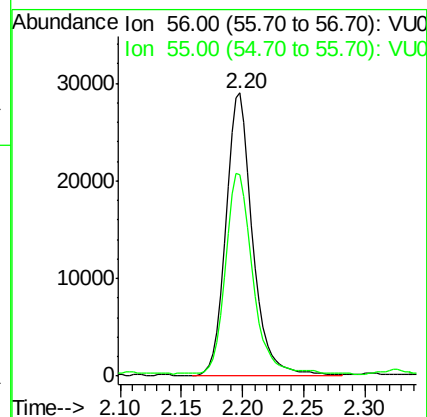
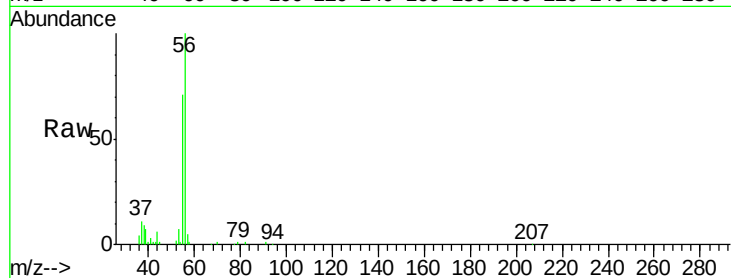
55 70.5 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 46.79 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

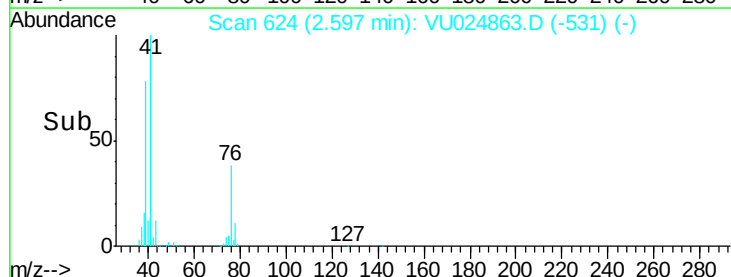
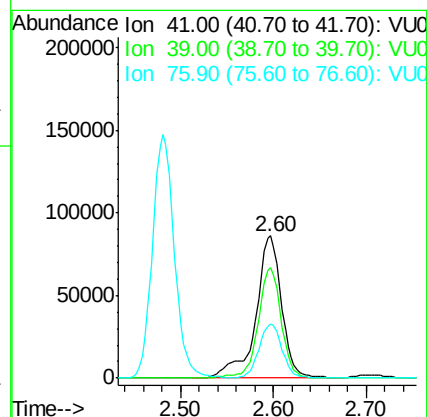
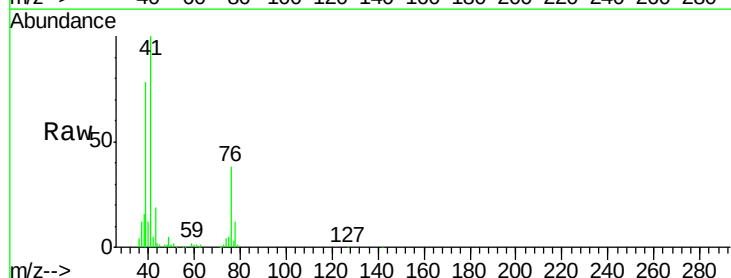
Tgt Ion: 41 Resp: 167386

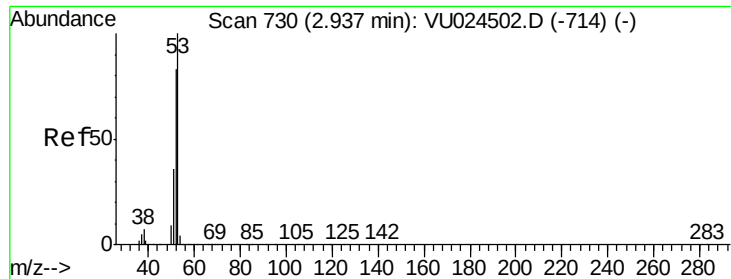
Ion Ratio Lower Upper

41 100

39 69.0 61.6 92.4

76 33.5 29.7 44.5





#15

Acrylonitrile

Concen: 226.41 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

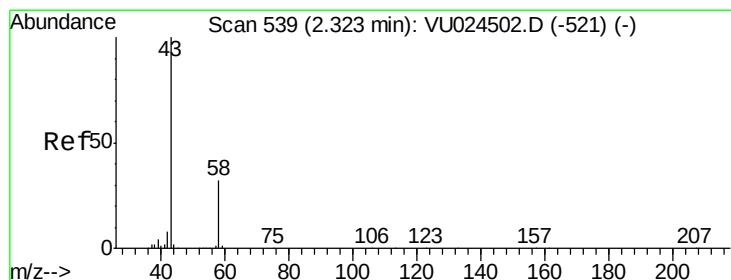
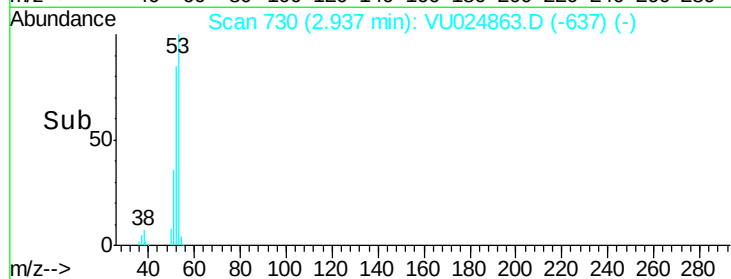
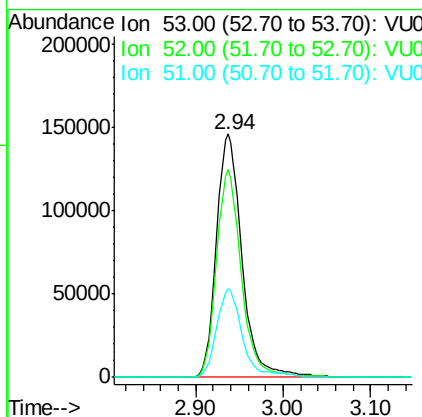
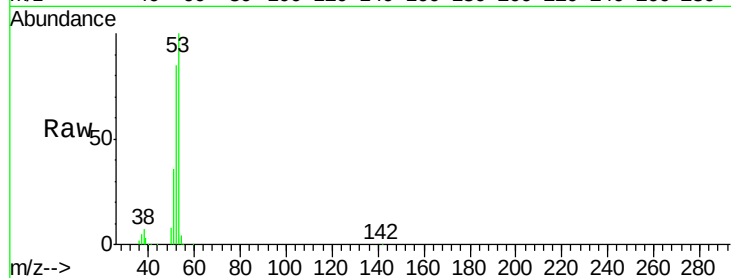
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	295935
Ion Ratio	Lower	Upper	
53	100		
52	83.3	67.1	100.7
51	36.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 178.92 ug/l

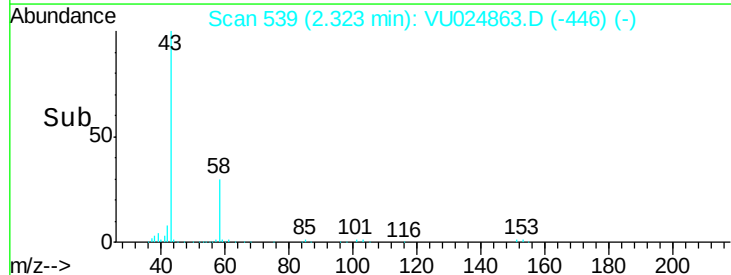
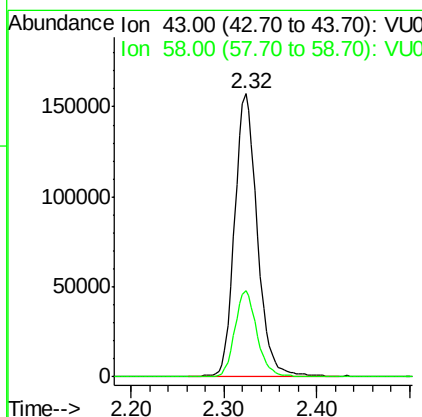
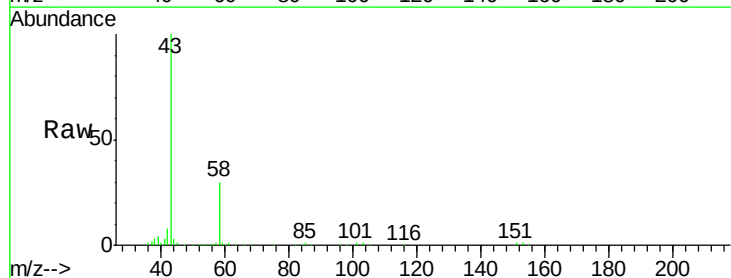
RT: 2.32 min Scan# 539

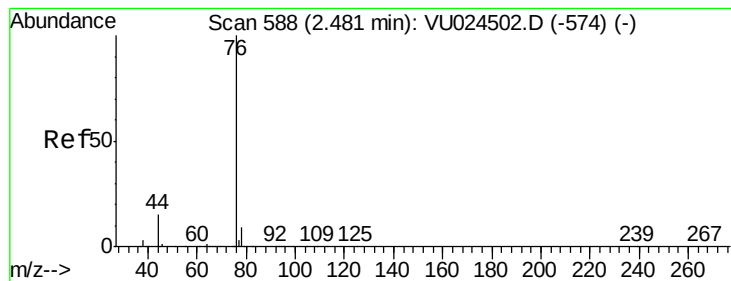
Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Tgt Ion:	43	Resp:	265552
Ion Ratio	Lower	Upper	
43	100		
58	30.3	24.4	36.6





#17

Carbon Disulfide

Concen: 39.14 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 241489

Ion Ratio Lower Upper

76 100

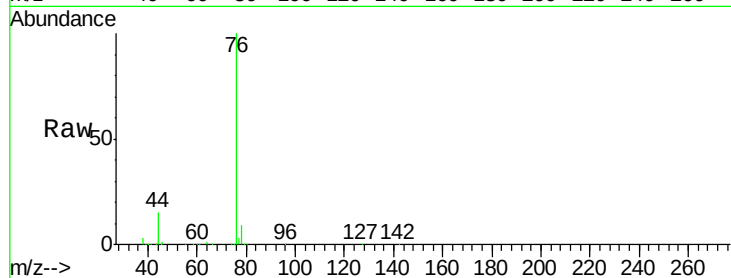
78 9.4 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

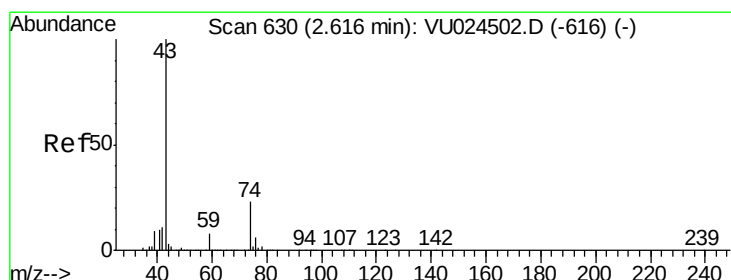
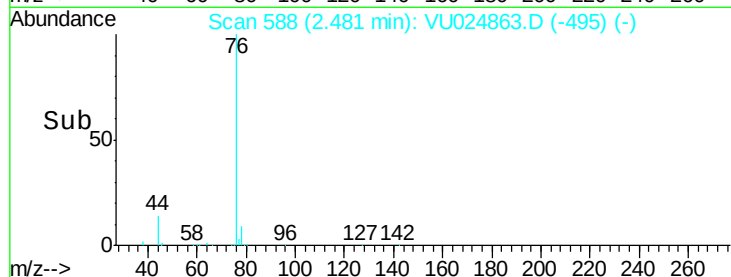
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.40 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024863.D

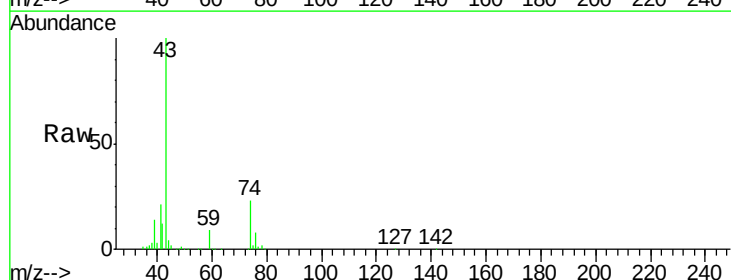
Acq: 23 Jun 2018 03:54

Tgt Ion: 43 Resp: 160351

Ion Ratio Lower Upper

43 100

74 22.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

100000

80000

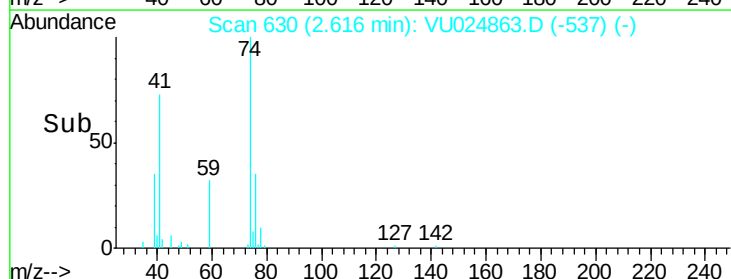
60000

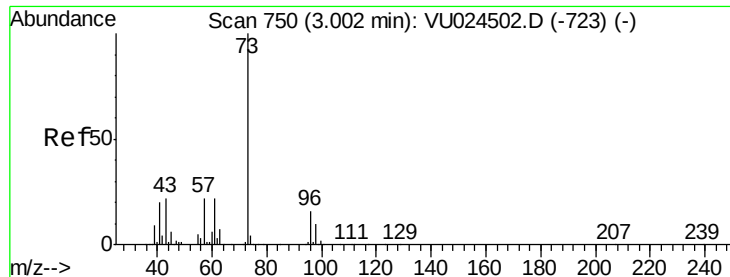
40000

20000

0

Time-->





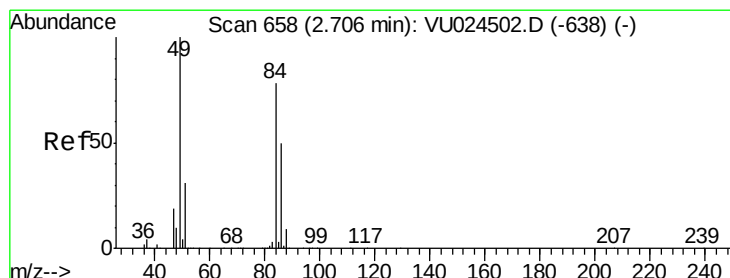
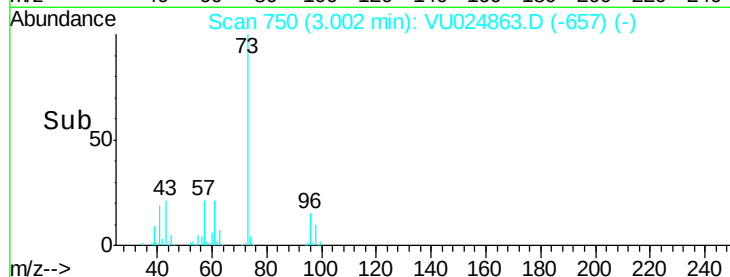
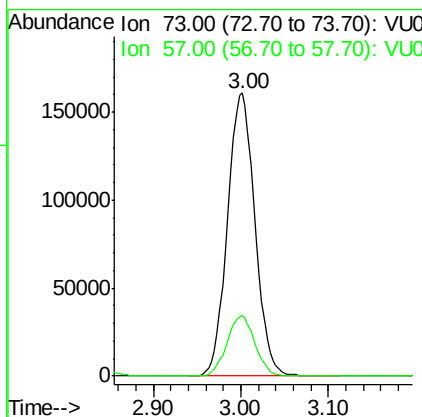
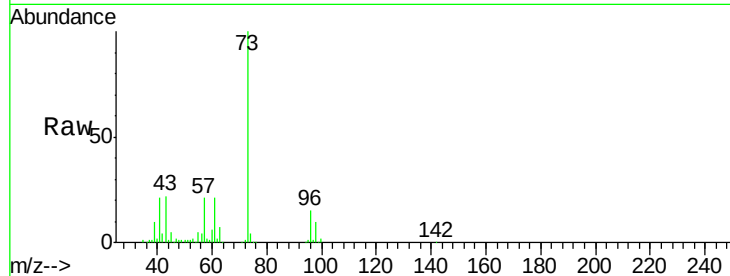
#19
Methyl tert-butyl Ether
Concen: 48.36 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.8	28.2

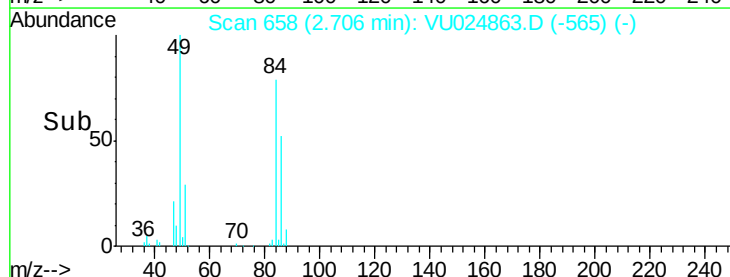
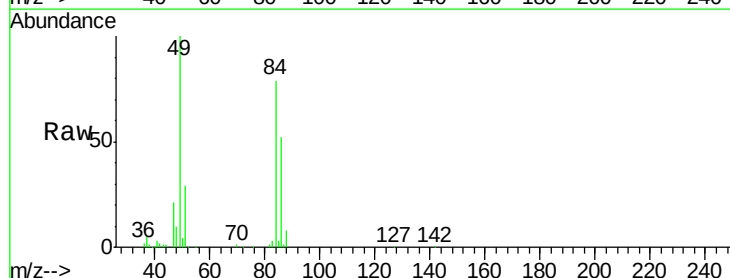
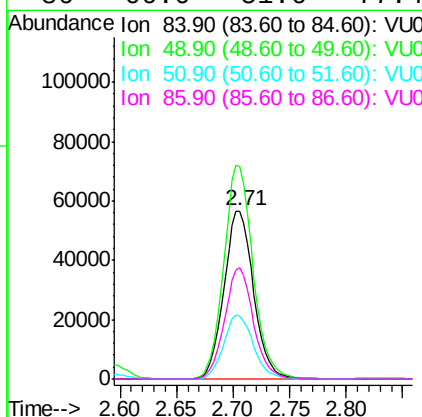
Manual Integrations
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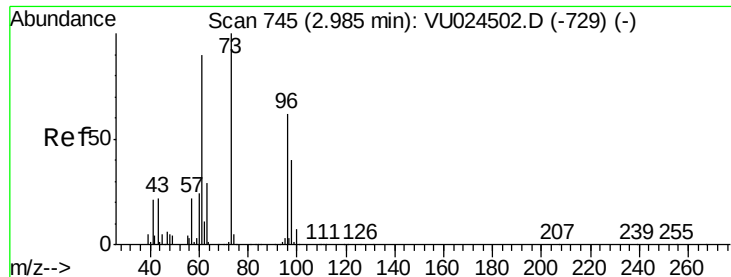
apatel
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#20
Methylene Chloride
Concen: 44.27 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.5	103.8	155.8
51	37.1	32.0	48.0
86	66.0	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 44.63 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

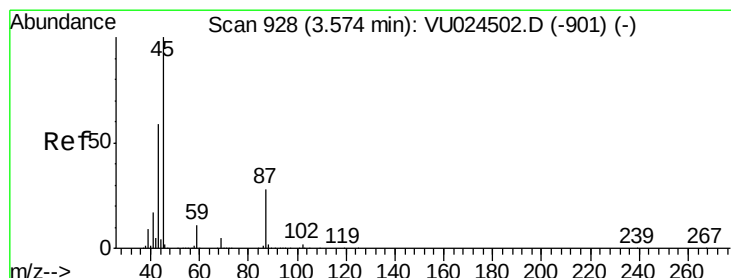
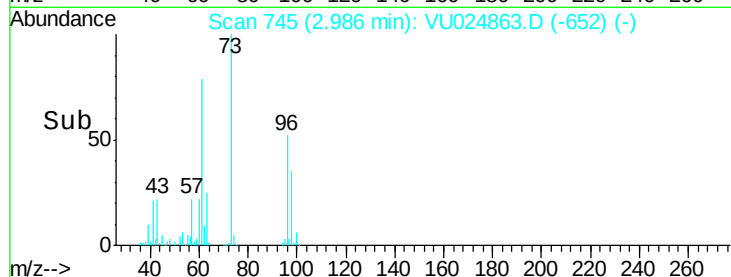
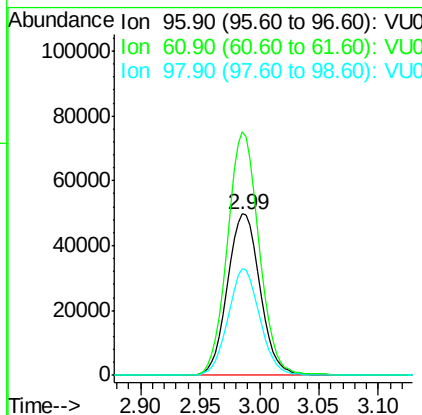
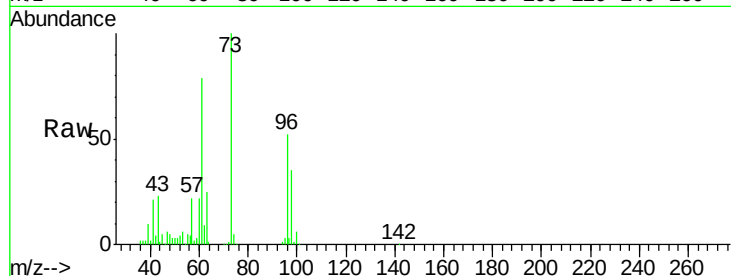
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	94705
Ion Ratio	Lower	Upper	
96	100		
61	151.1	119.4	179.0
98	66.3	51.1	76.7

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#22

Diisopropyl ether

Concen: 47.53 ug/l

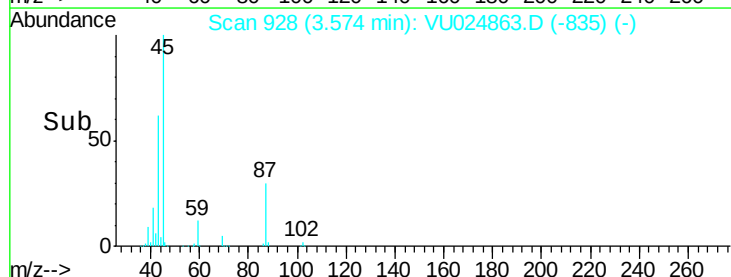
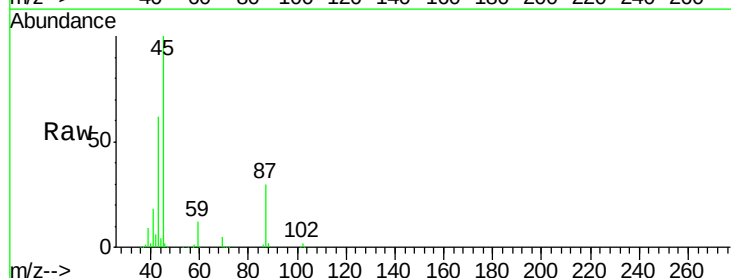
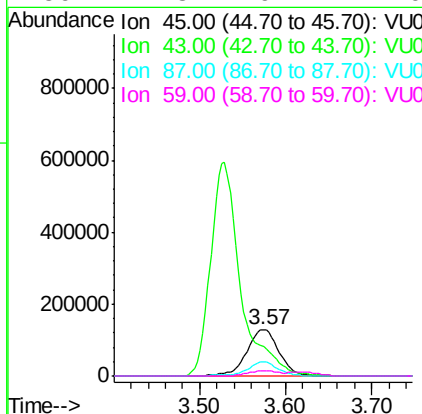
RT: 3.57 min Scan# 928

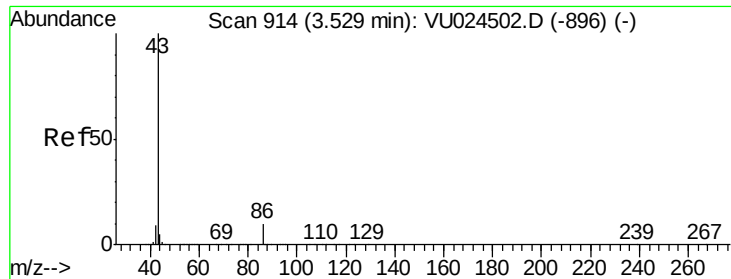
Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Tgt Ion:	45	Resp:	337056
Ion Ratio	Lower	Upper	
45	100		
43	61.0	45.8	68.6
87	30.2	20.6	31.0
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 227.80 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Tot Ion: 43 Resp: 1447081

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

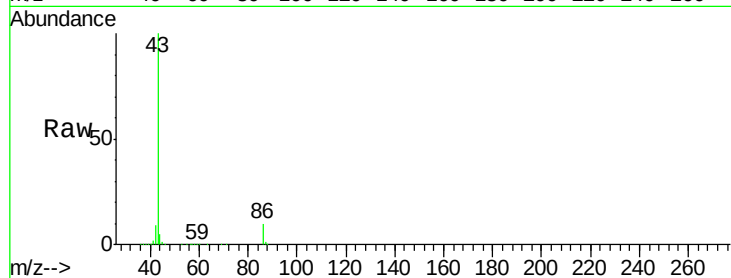
VSTDCCC050EC

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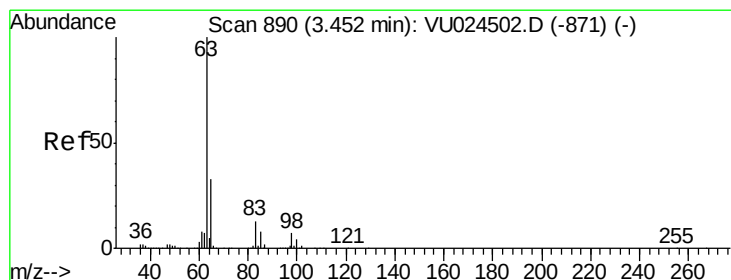
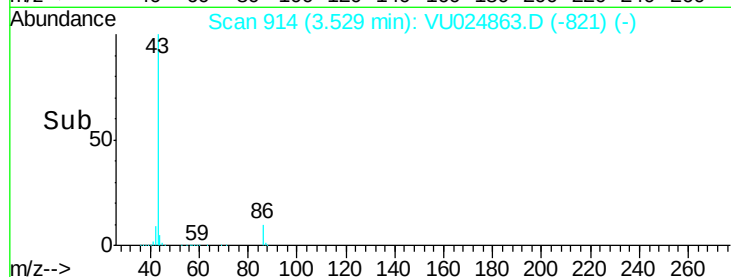
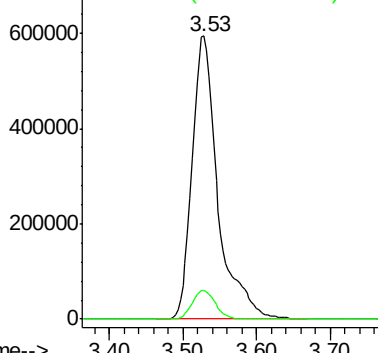
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 47.25 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

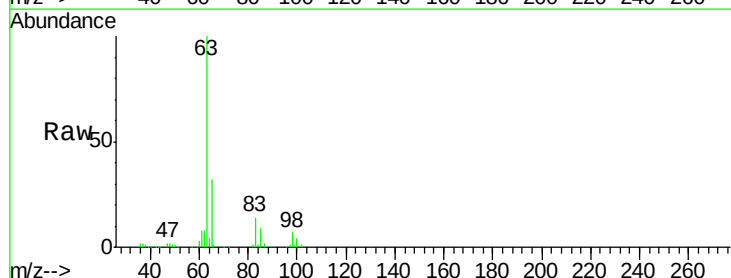
Tgt Ion: 63 Resp: 192756

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

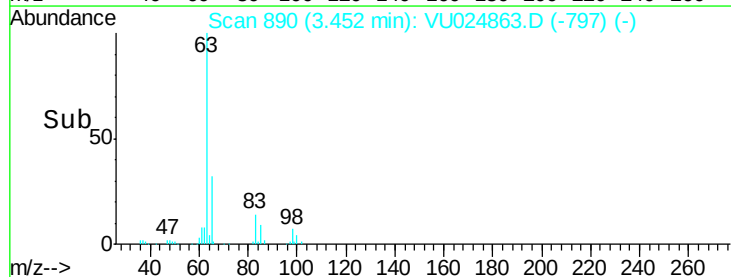
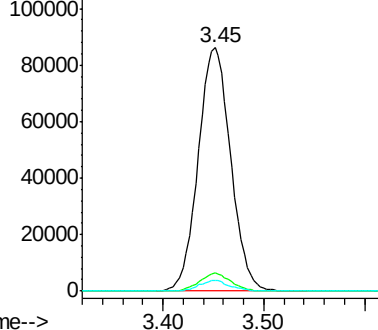
100 4.3 1.8 5.5

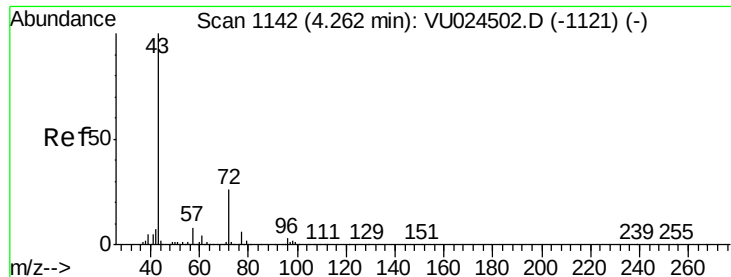


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





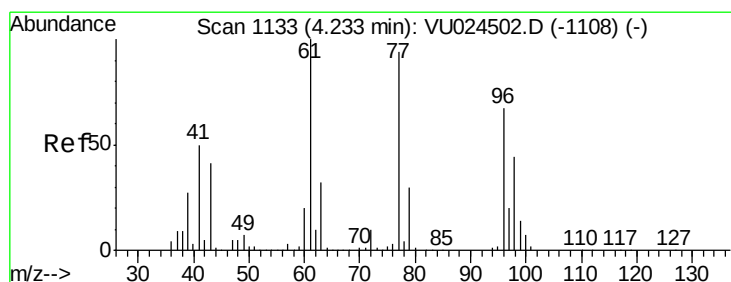
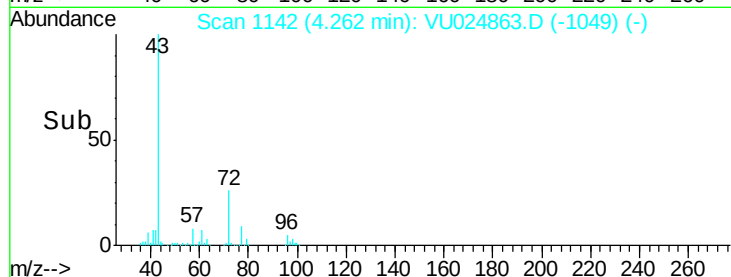
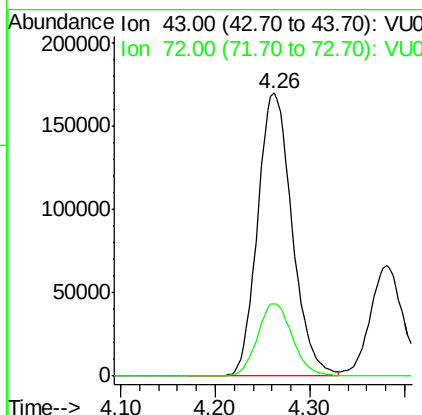
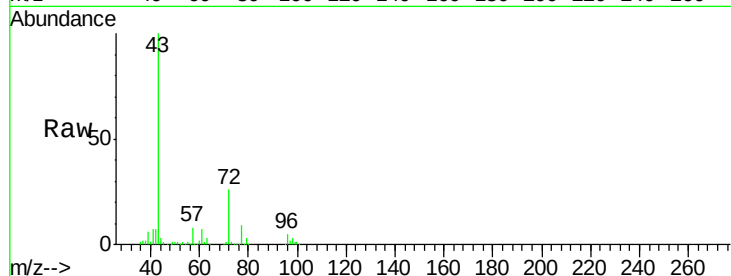
#25
2-Butanone
Concen: 214.67 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.7	19.6	29.4

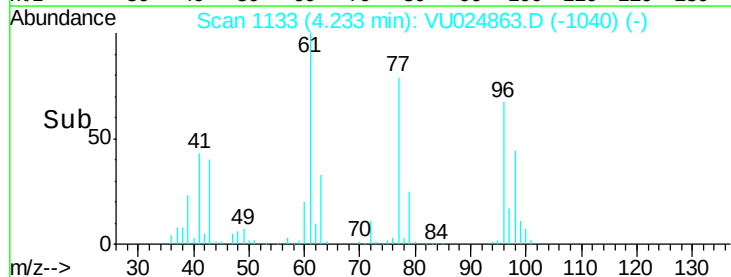
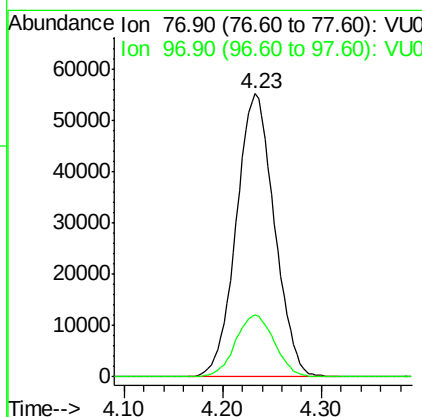
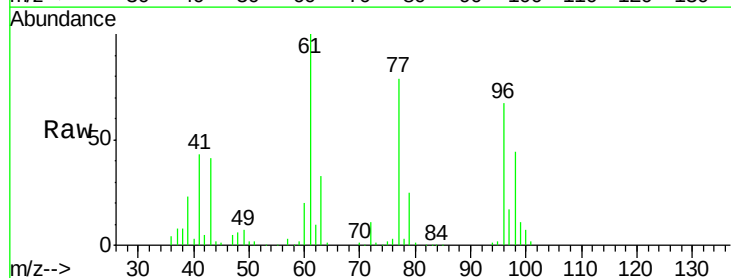
Manual Integrations
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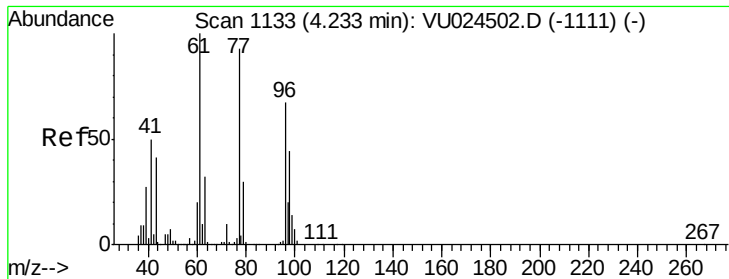
apatel
6/26/2018 11:59:58 AM



#26
2,2-Dichloropropane
Concen: 38.20 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 48.23 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

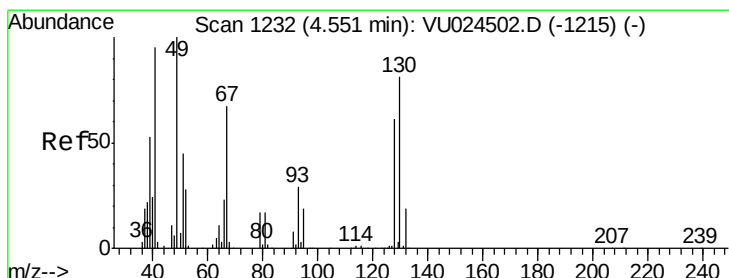
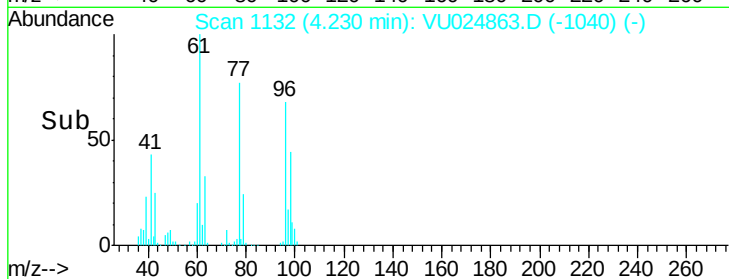
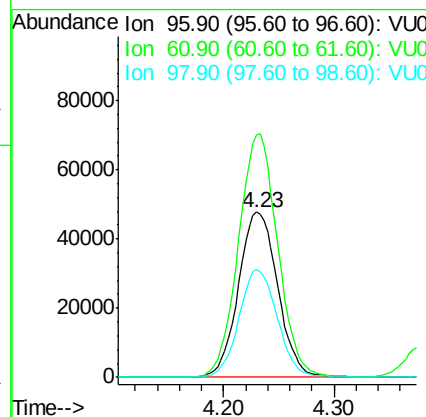
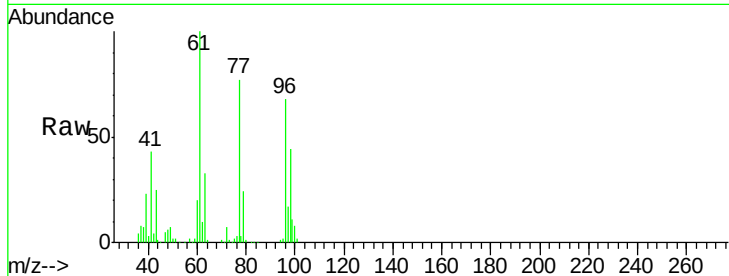
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	117655
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	306.6
98	64.0	0.0	128.8

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#28

Bromochloromethane

Concen: 45.81 ug/l

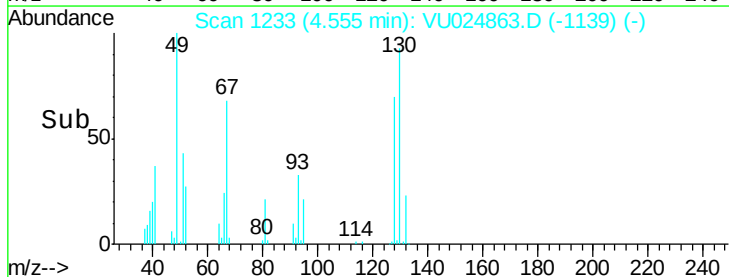
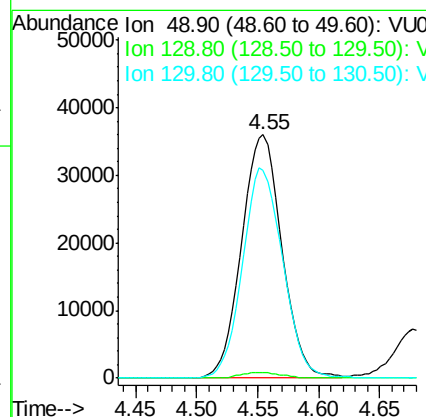
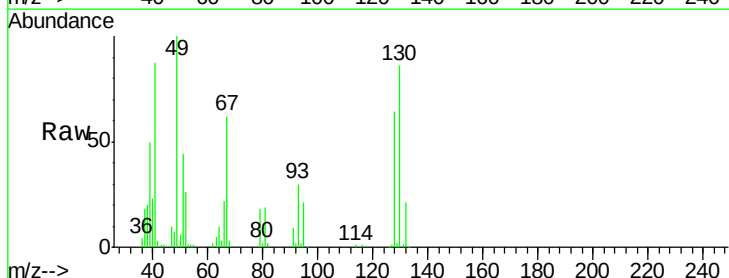
RT: 4.55 min Scan# 1233

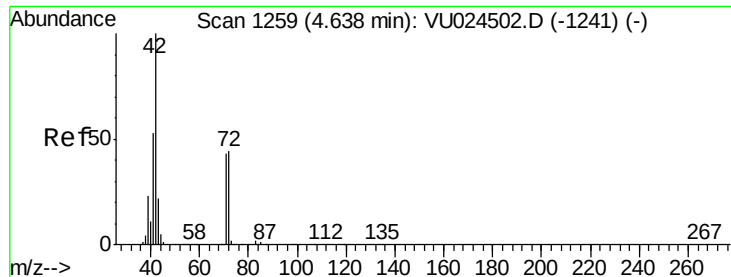
Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Tgt Ion:	49	Resp:	82309
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	86.2	57.8	86.6





#29

Tetrahydrofuran

Concen: 220.80 ug/l

RT: 4.64 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

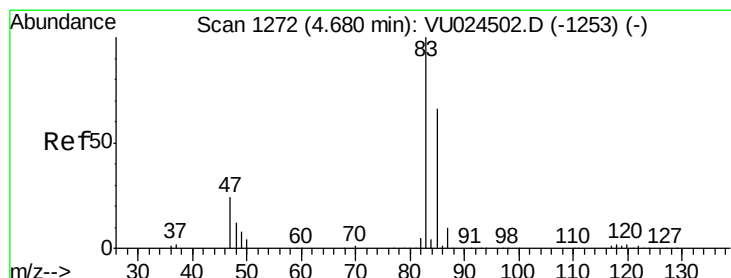
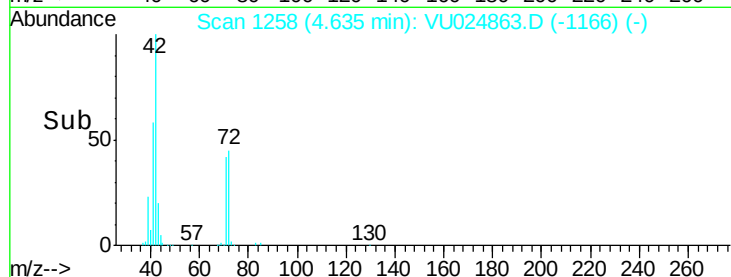
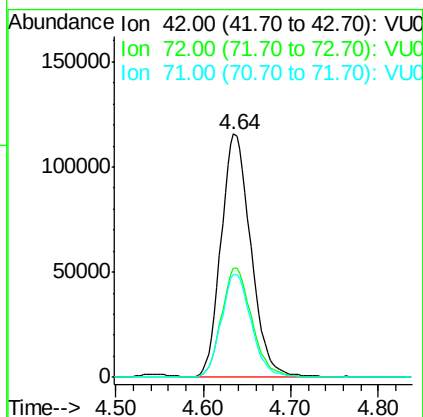
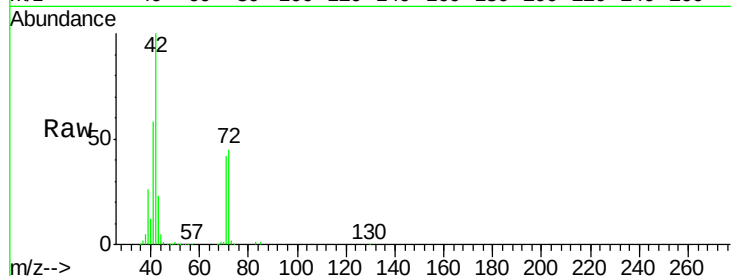
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	272585
Ion Ratio		Lower	Upper
42	100		
72	46.0	34.5	51.7
71	42.8	32.2	48.4

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#30

Chloroform

Concen: 49.68 ug/l

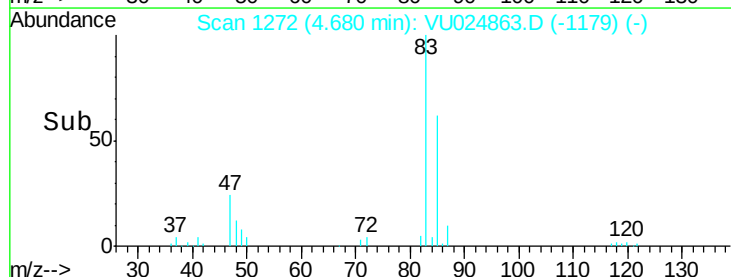
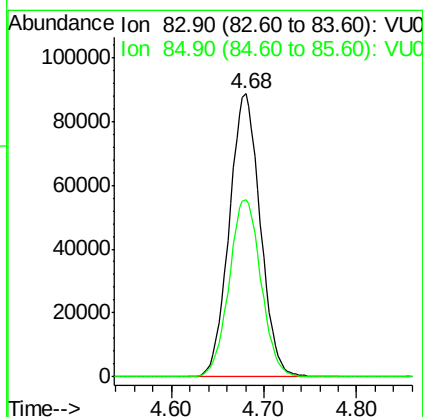
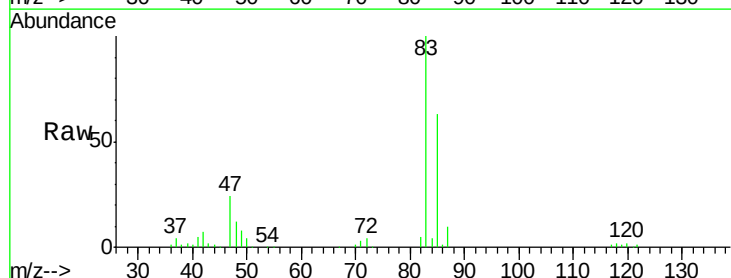
RT: 4.68 min Scan# 1272

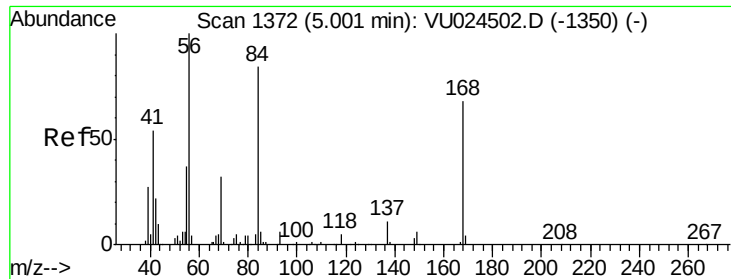
Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Tgt Ion:	83	Resp:	205132
Ion Ratio		Lower	Upper
83	100		
85	62.6	52.4	78.6





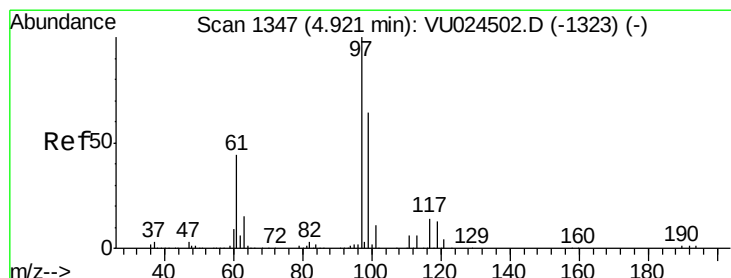
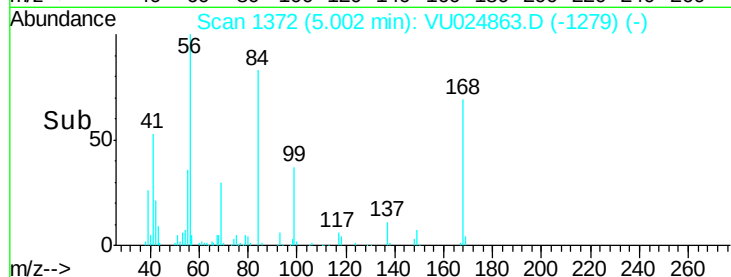
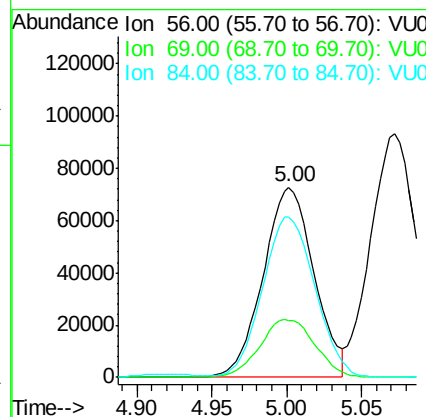
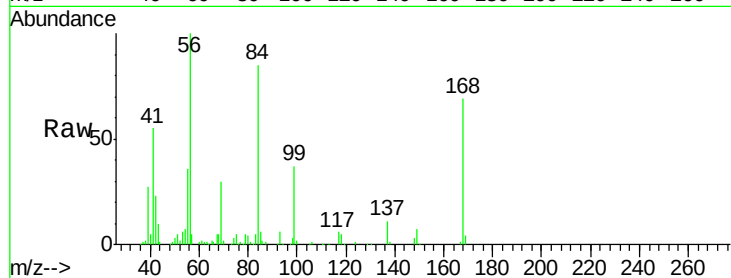
#31
Cyclohexane
Concen: 47.33 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.8	37.2
84	83.6	65.2	97.8

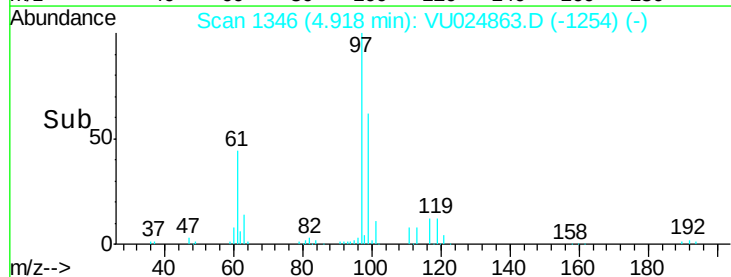
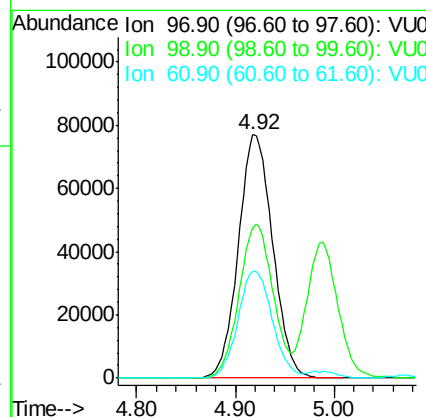
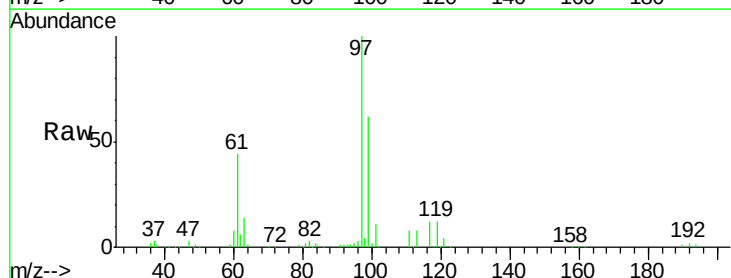
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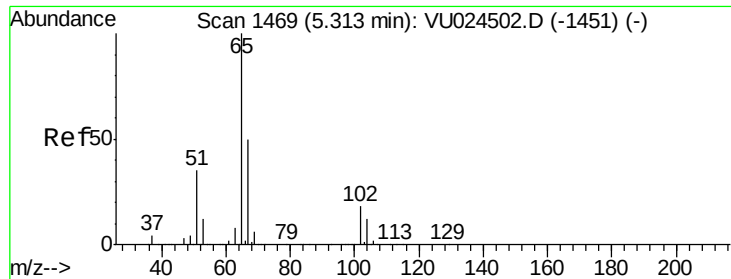
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#32
1,1,1-Trichloroethane
Concen: 48.61 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.6
61	44.3	39.4	59.0





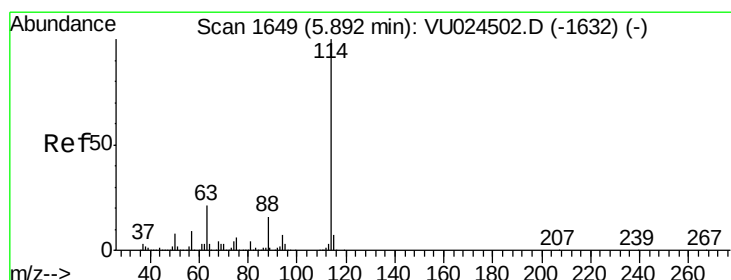
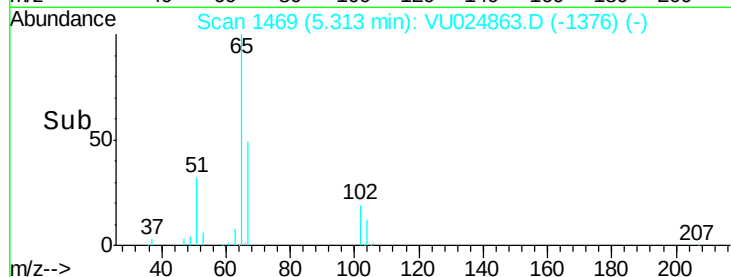
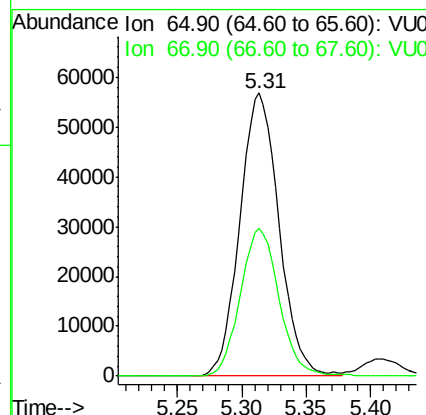
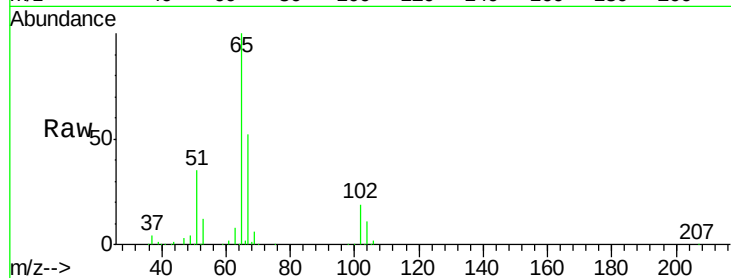
#33
 1,2-Dichloroethane-d4
 Concen: 43.46 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	107.0	

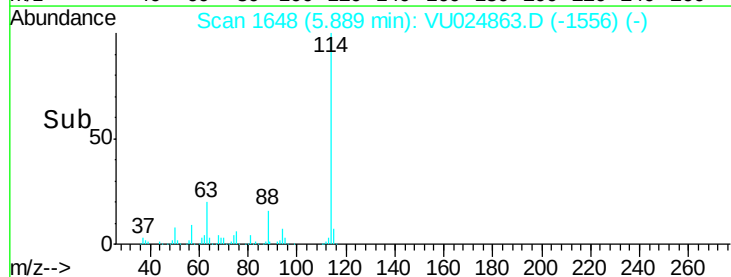
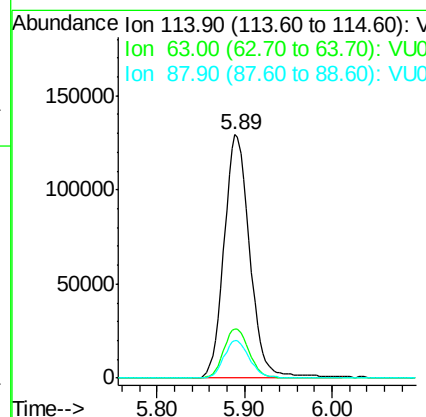
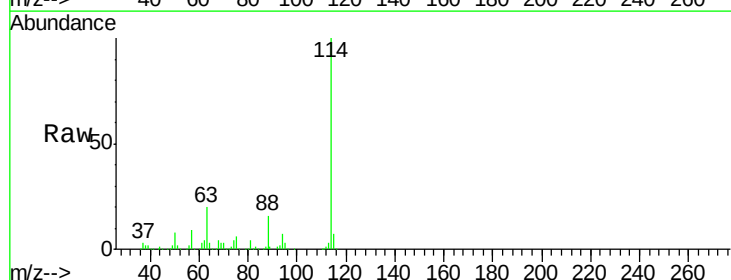
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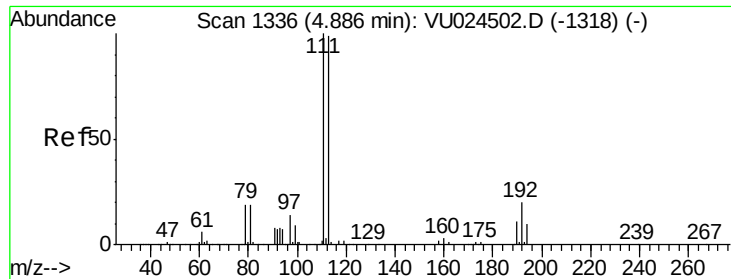
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.4	0.0	45.4	
88	15.6	0.0	31.0	





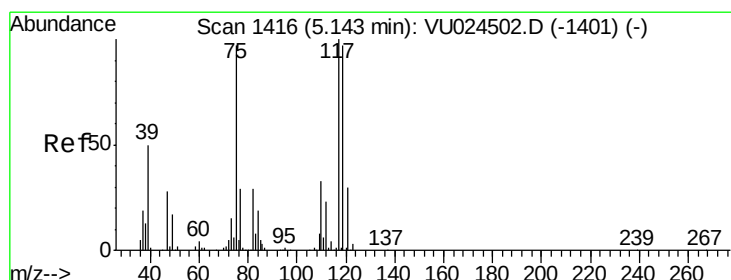
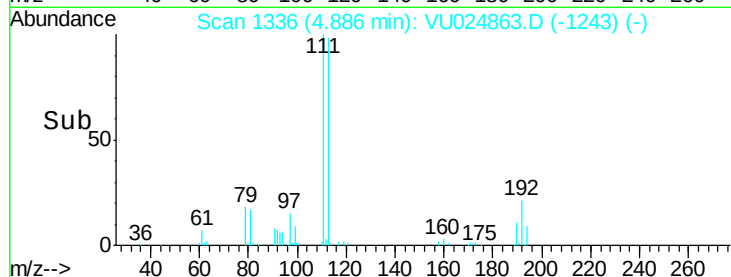
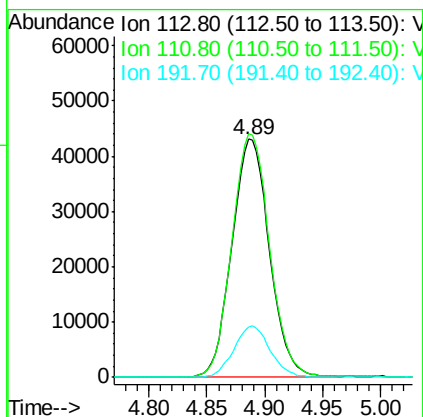
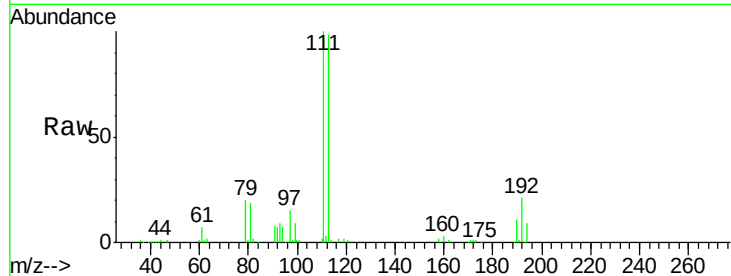
#35
 Dibromofluoromethane
 Concen: 44.08 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	20.7	16.2	24.4

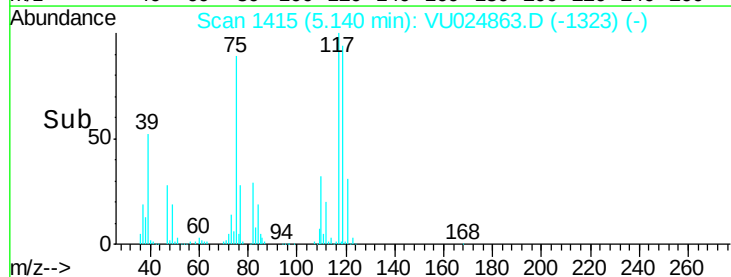
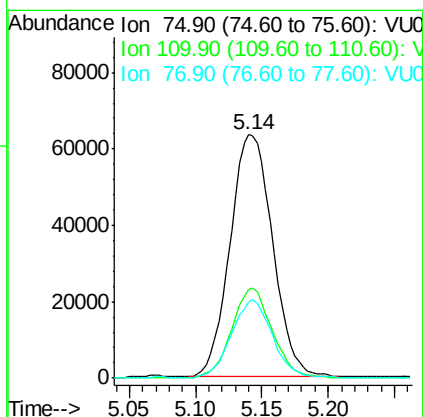
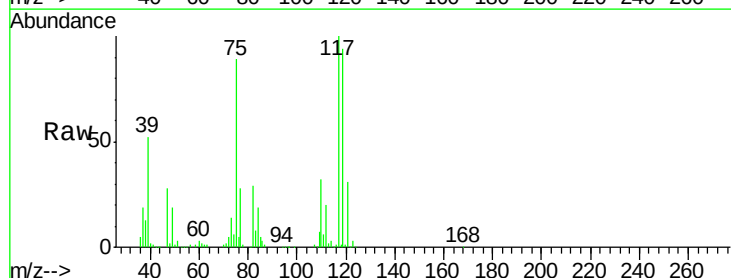
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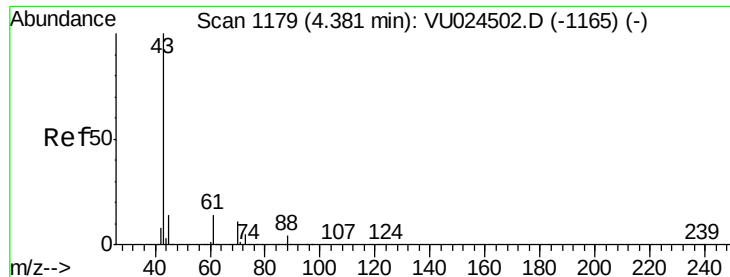
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#36
 1,1-Dichloropropene
 Concen: 45.28 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.0	50.9
77	30.6	24.2	36.4





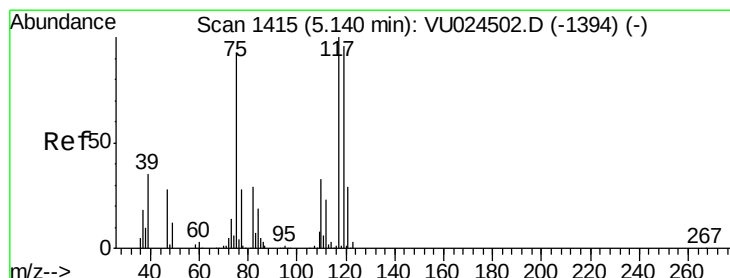
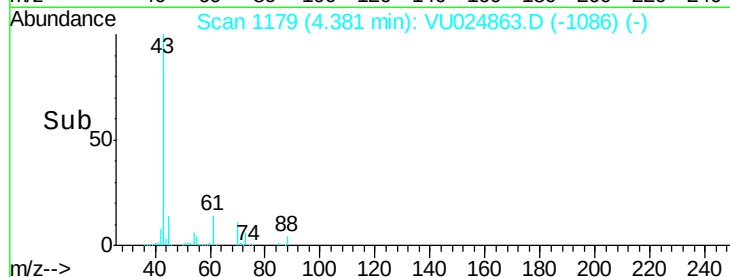
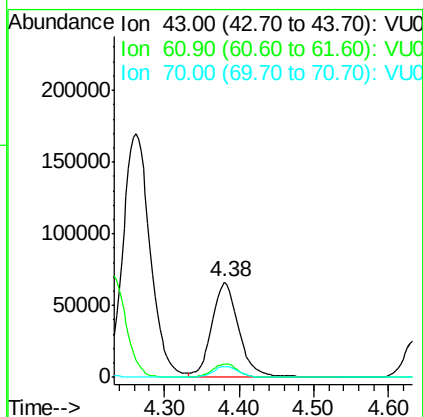
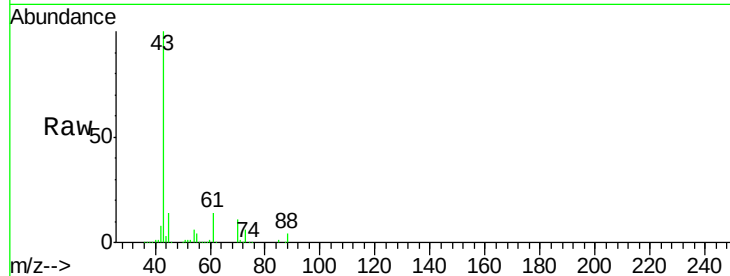
#37
Ethyl Acetate
Concen: 48.55 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	10.9	7.4	11.2

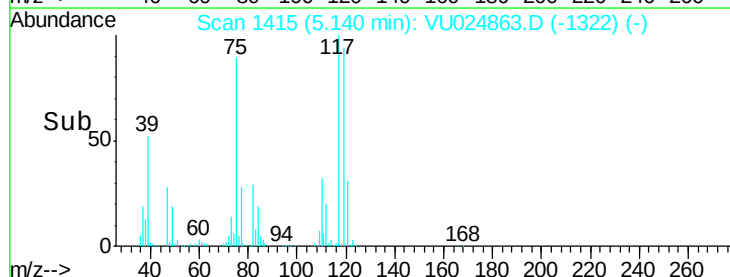
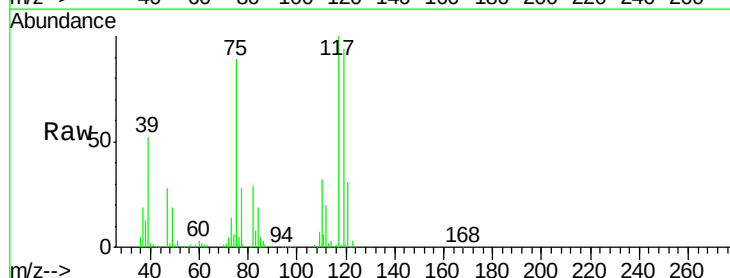
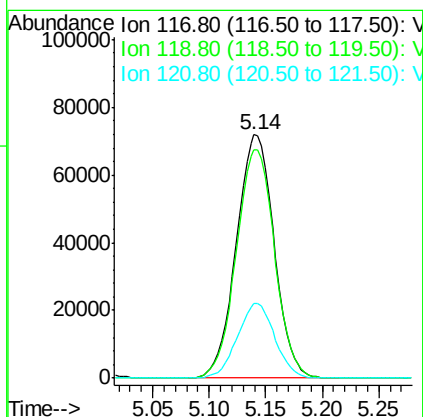
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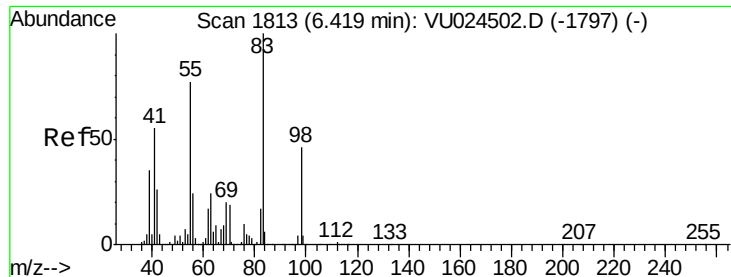
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#38
Carbon Tetrachloride
Concen: 48.76 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.1	114.1
121	30.6	23.7	35.5





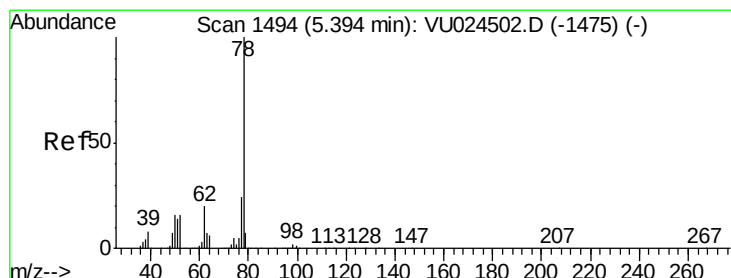
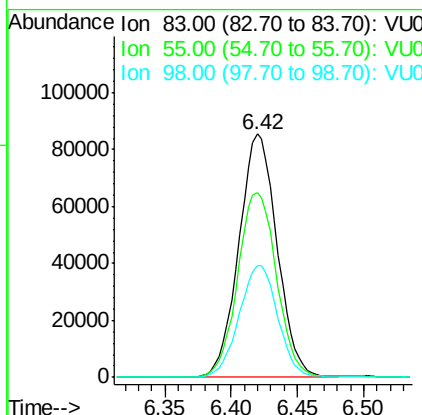
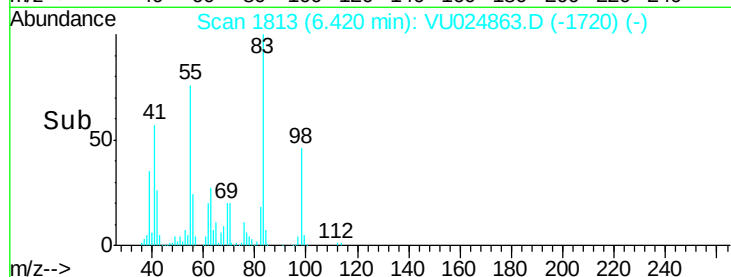
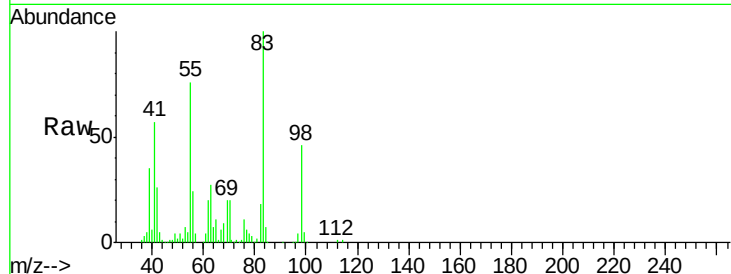
#39
Methylvlcyclohexane
Concen: 44.27 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	65.8	98.6
98	46.1	36.7	55.1

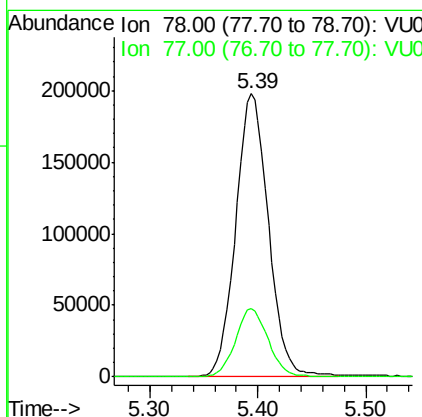
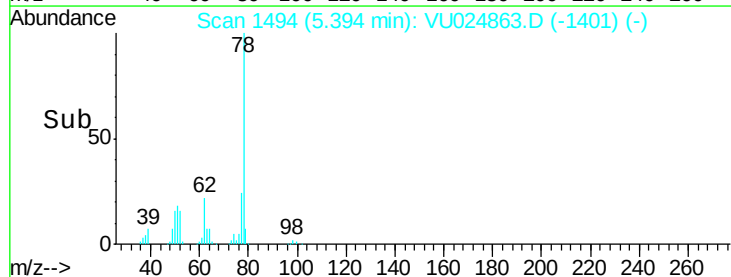
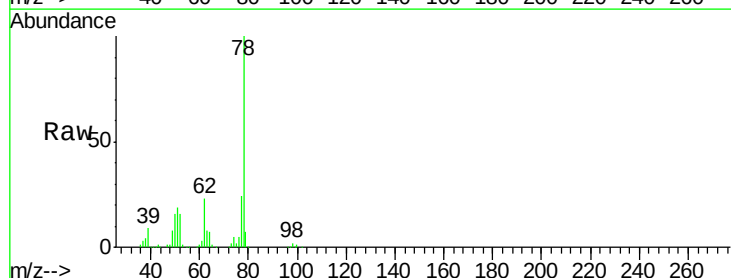
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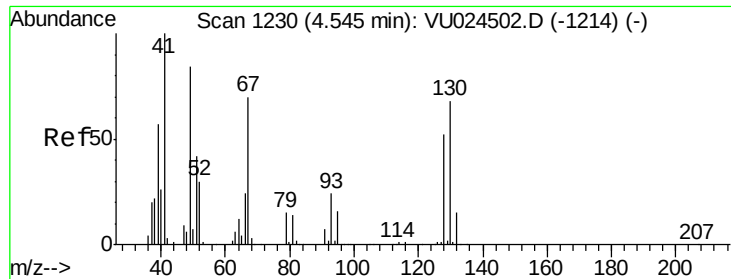
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#40
Benzene
Concen: 47.21 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





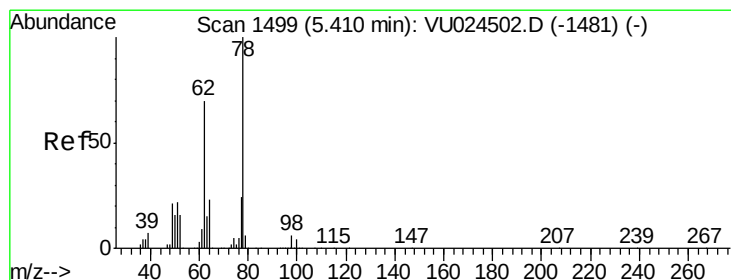
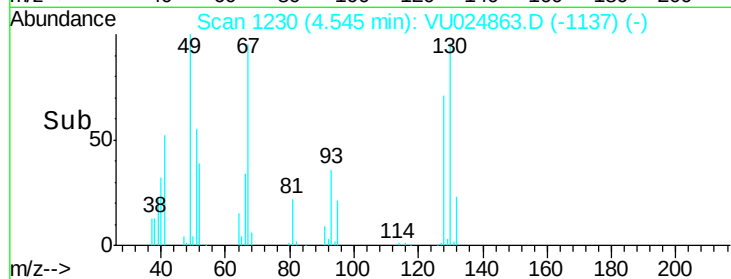
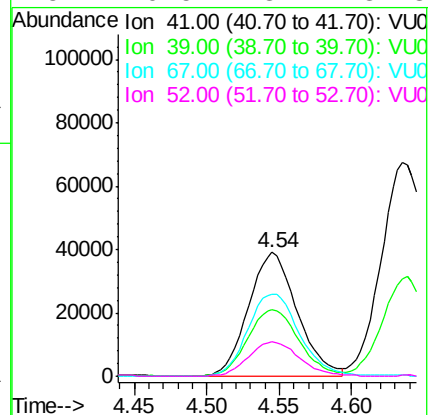
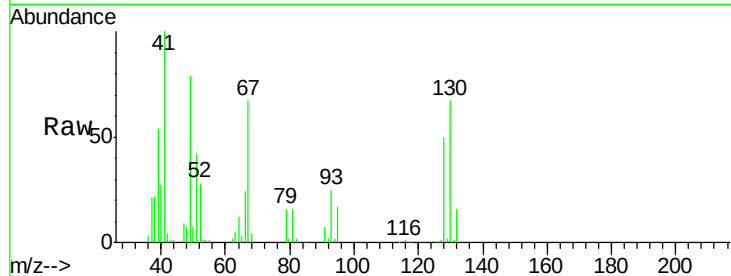
#41
Methacrylonitrile
Concen: 49.87 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.3	43.8	65.6	
67	71.0	56.3	84.5	
52	29.5	23.2	34.8	

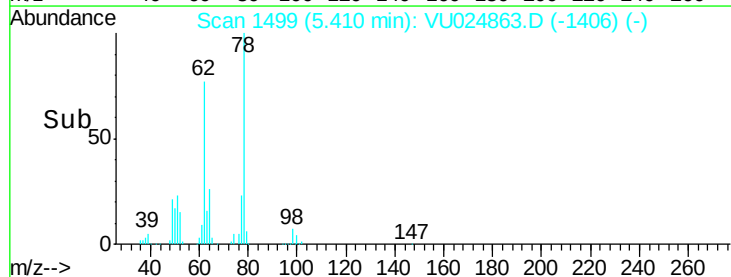
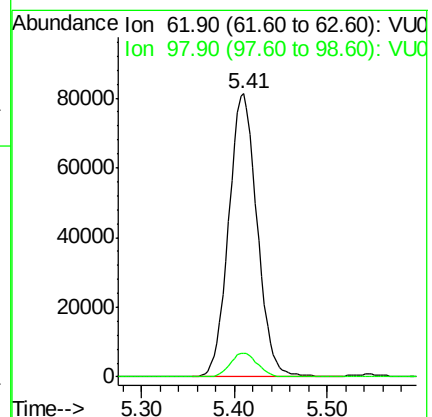
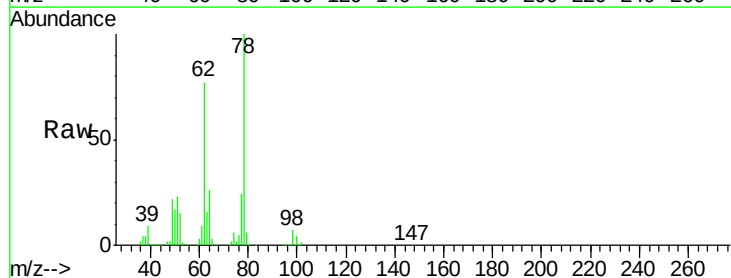
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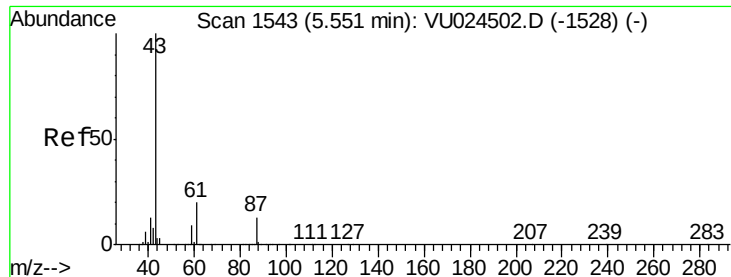
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#42
1,2-Dichloroethane
Concen: 51.12 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	16.6	





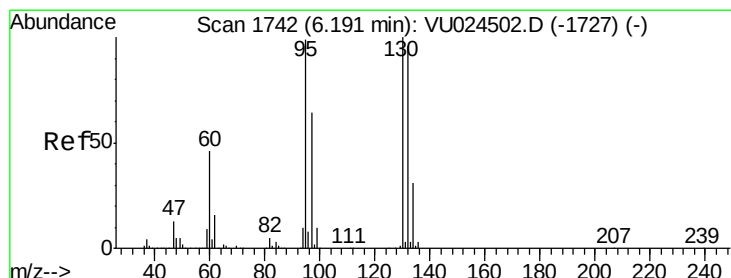
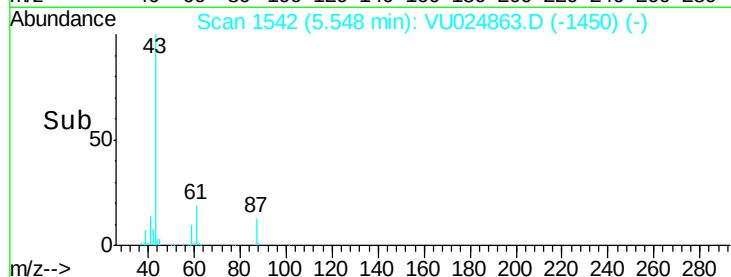
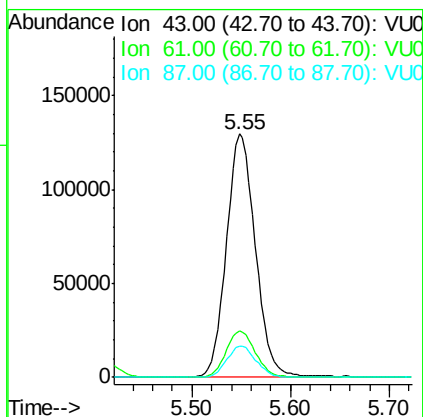
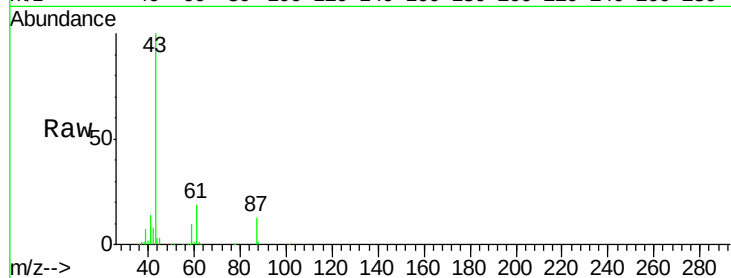
#43
Isopropyl Acetate
Concen: 45.25 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	13.1	10.0	15.0

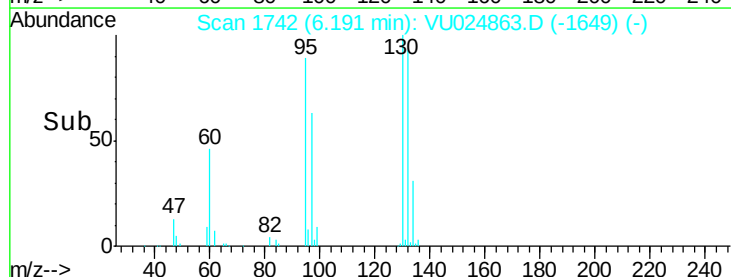
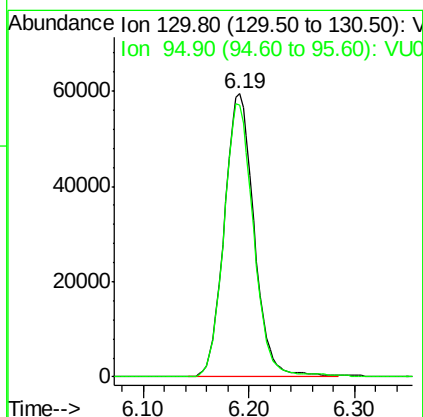
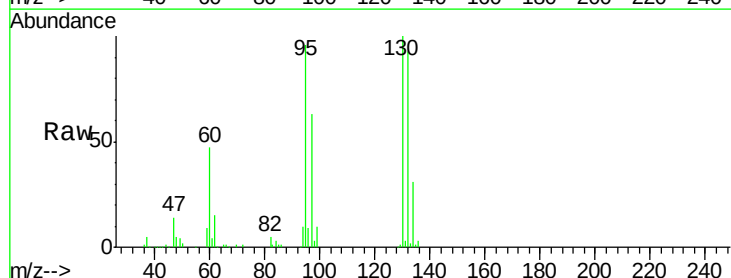
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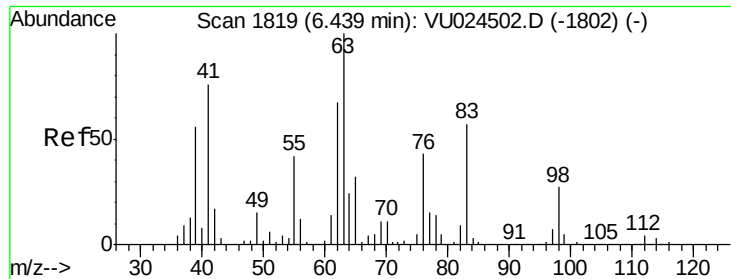
apatel
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#44
Trichloroethene
Concen: 45.99 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	202.4





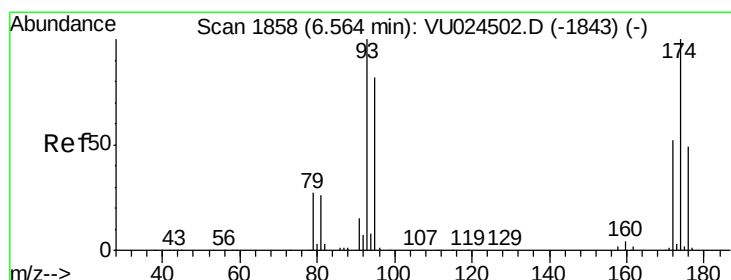
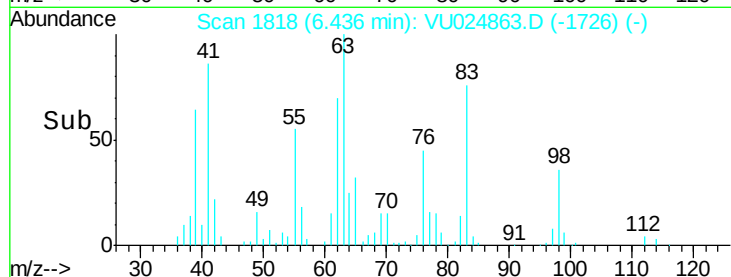
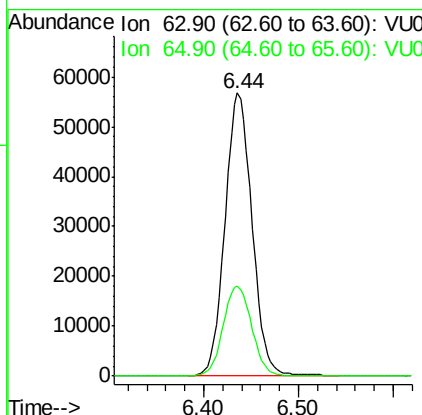
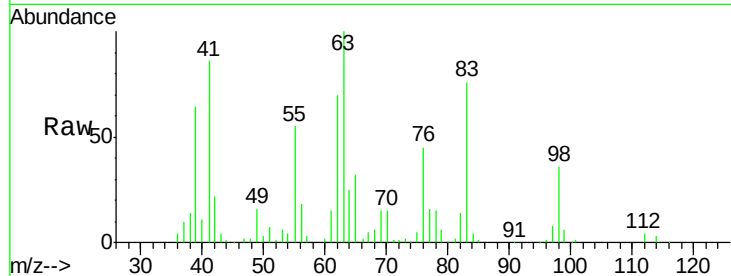
#45
 1,2-Dichloropropane
 Concen: 47.75 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 112934
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.8 37.2

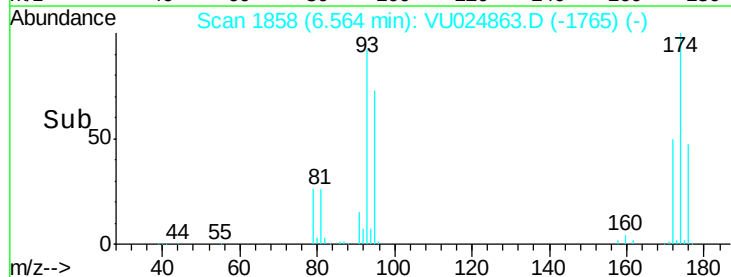
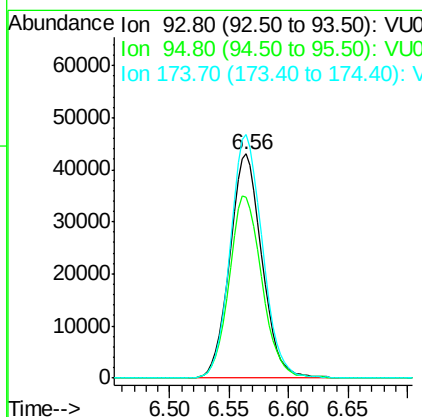
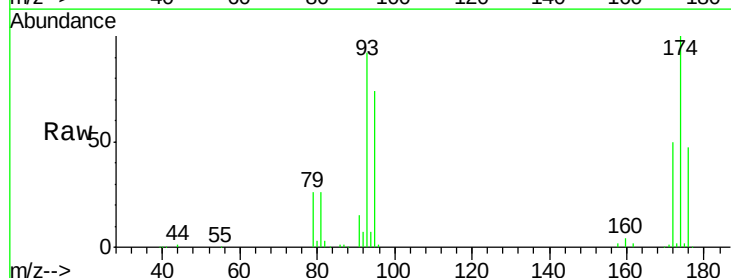
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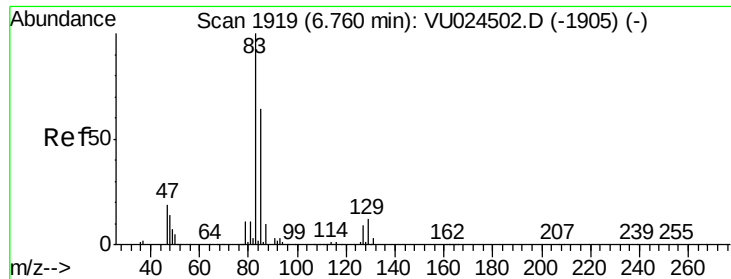
apatel
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#46
 Dibromomethane
 Concen: 48.63 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Tgt Ion: 93 Resp: 80791
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.5 98.3
 174 108.1 78.7 118.1





#47

Bromodichloromethane

Concen: 48.01 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

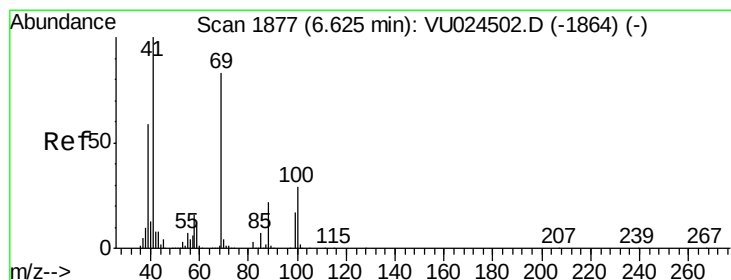
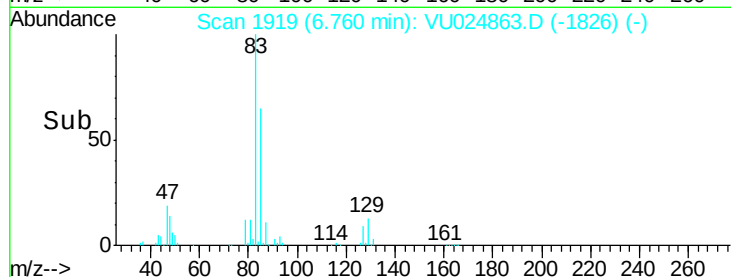
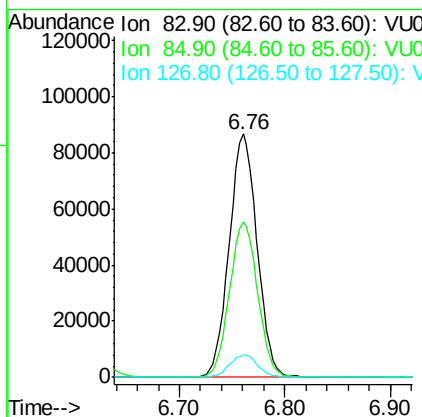
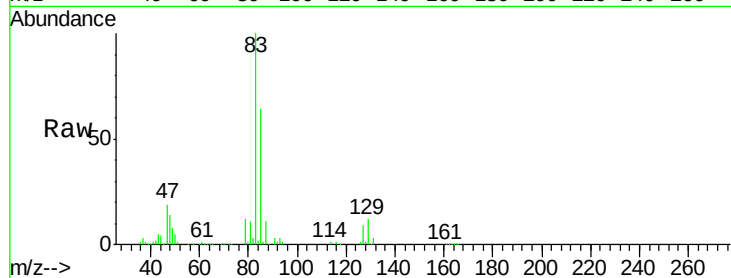
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	158823
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.9	77.9
127	9.1	6.6	9.8

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#48

Methyl methacrylate

Concen: 46.58 ug/l

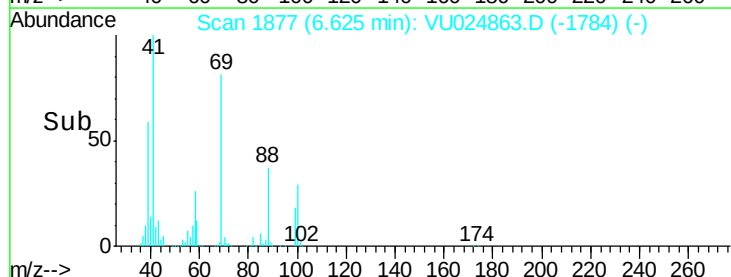
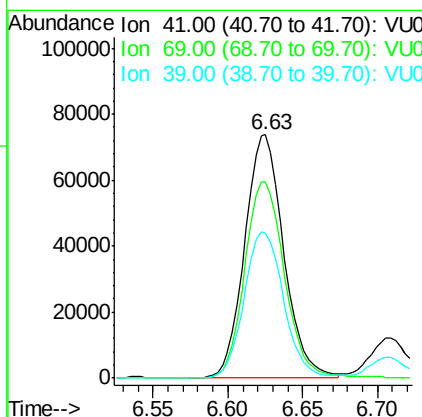
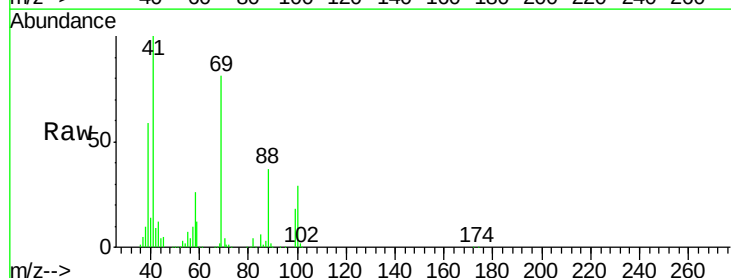
RT: 6.63 min Scan# 1877

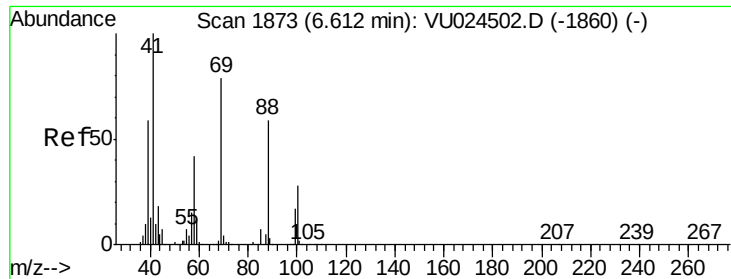
Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Tgt Ion:	41	Resp:	132947
Ion Ratio	Lower	Upper	
41	100		
69	83.1	67.3	100.9
39	61.2	46.5	69.7





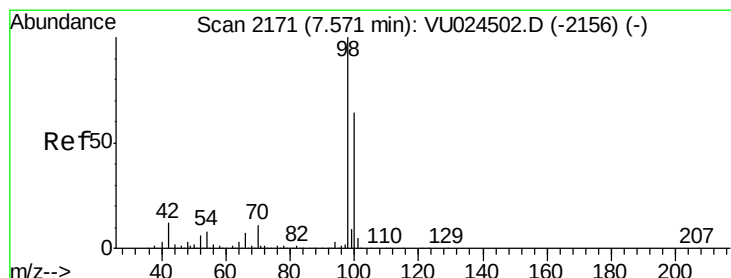
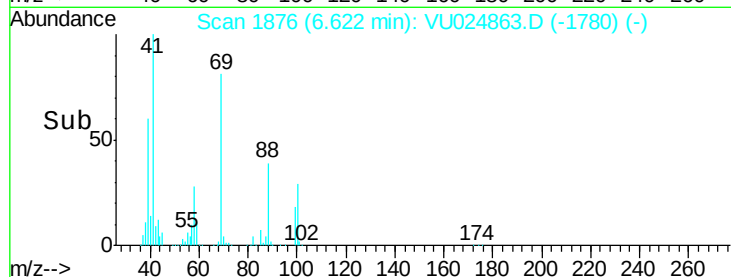
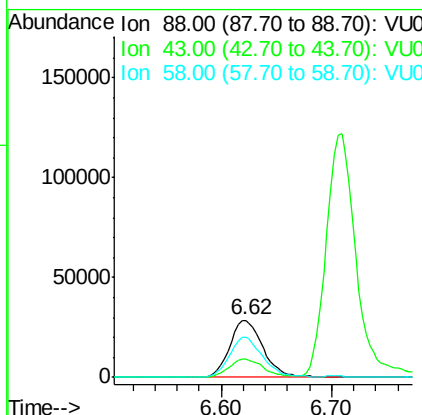
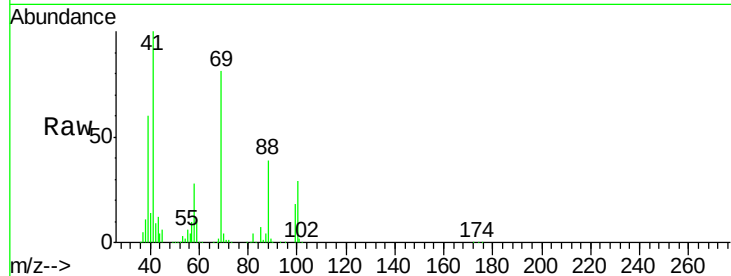
#49
 1,4-Dioxane
 Concen: 1065.55 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. 0.01 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	28.6	42.8
58	71.0	58.2	87.4

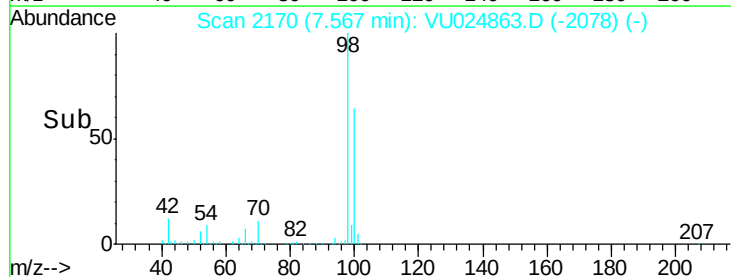
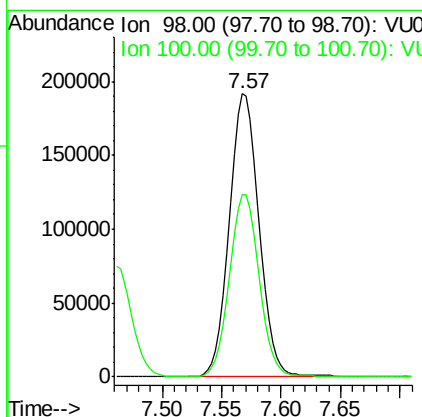
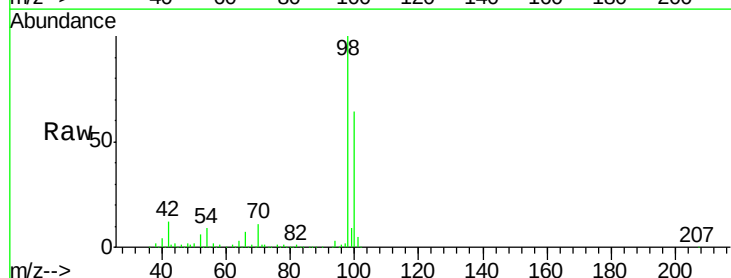
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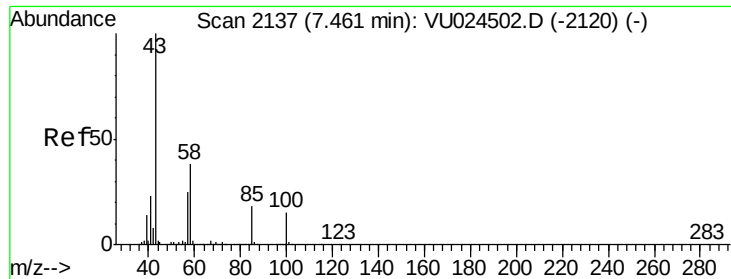
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#50
 Toluene-d8
 Concen: 41.52 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 232.41 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 855782

Ion Ratio Lower Upper

43 100

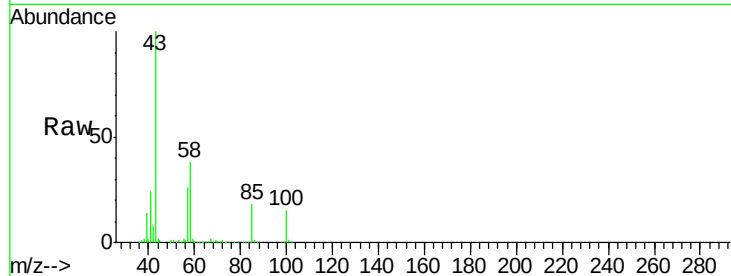
58 38.4 30.0 45.0

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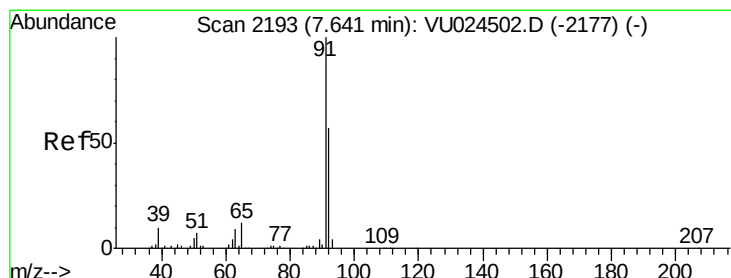
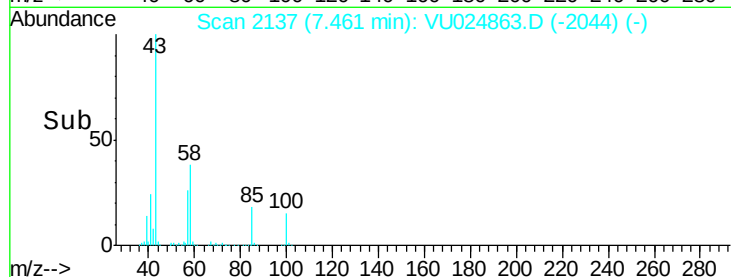
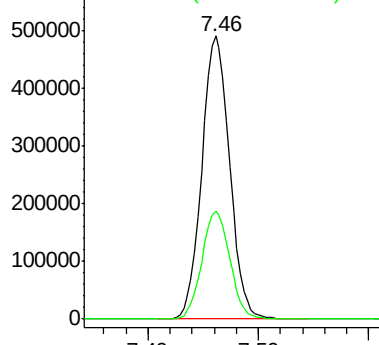
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 47.82 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024863.D

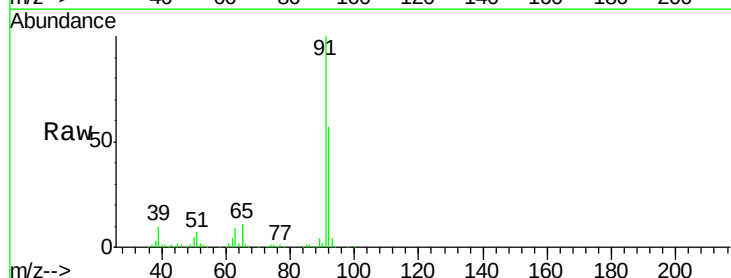
Acq: 23 Jun 2018 03:54

Tgt Ion: 92 Resp: 272755

Ion Ratio Lower Upper

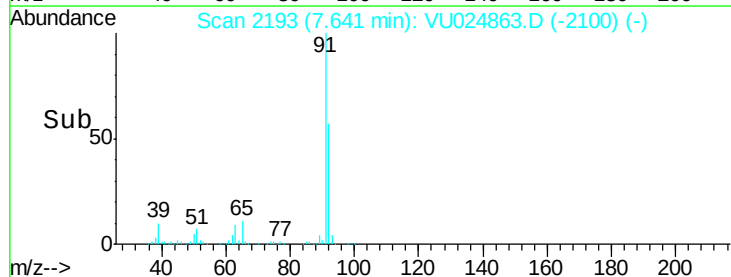
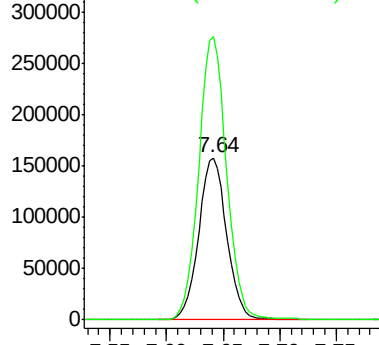
92 100

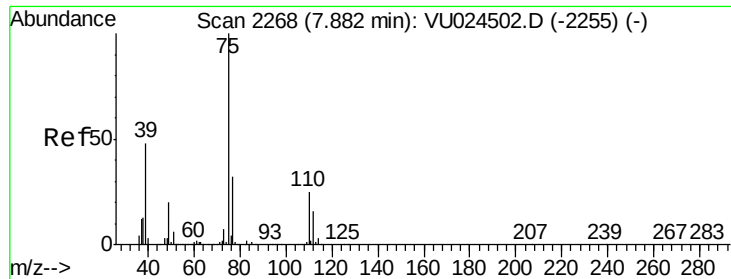
91 174.0 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 44.69 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 166036

Ion Ratio Lower Upper

75 100

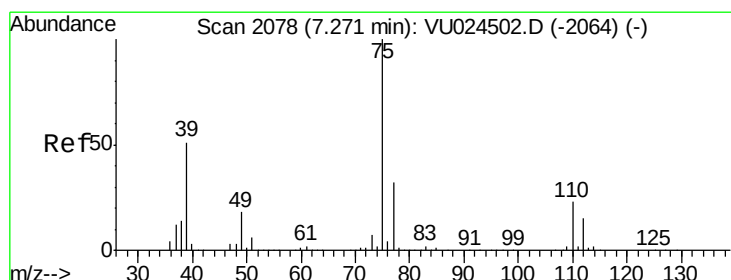
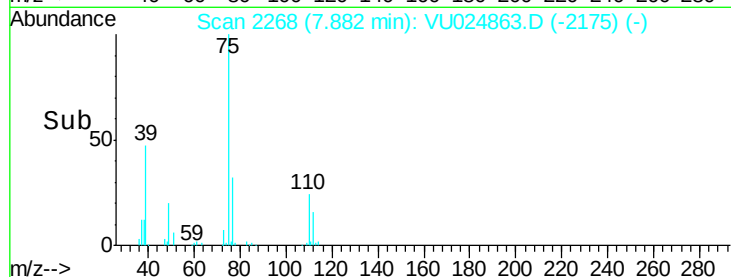
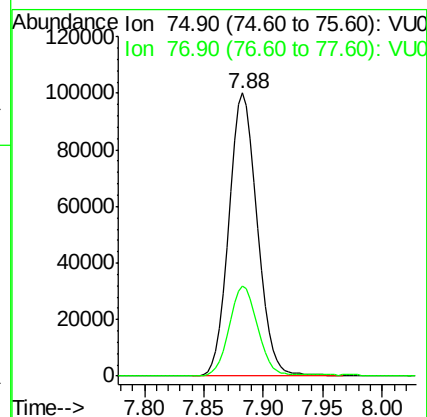
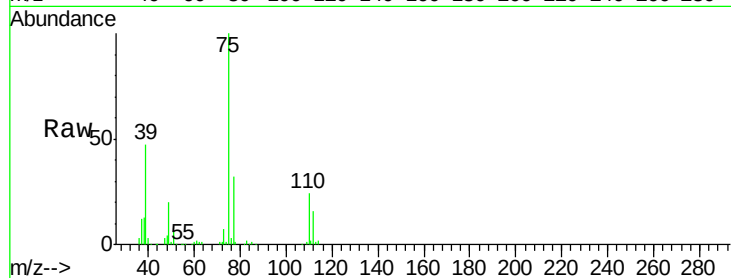
77 31.8 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 44.57 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

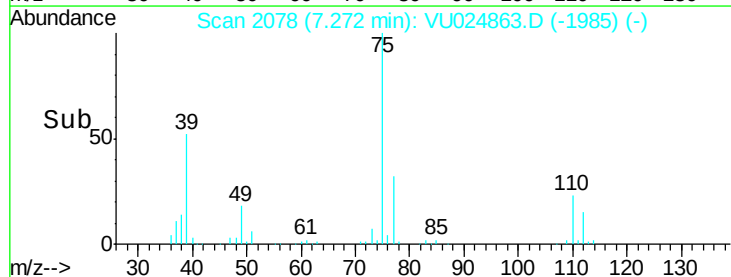
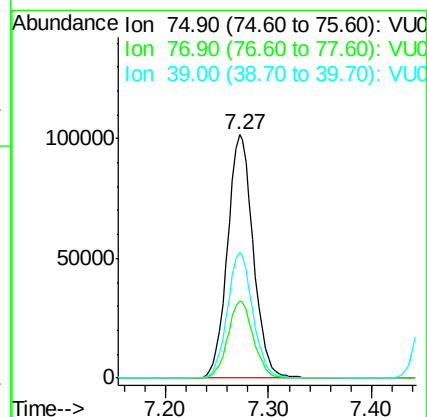
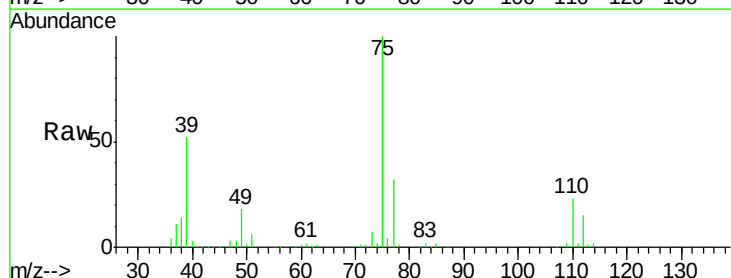
Tgt Ion: 75 Resp: 176466

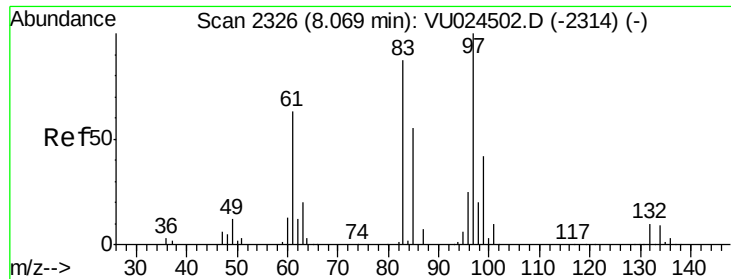
Ion Ratio Lower Upper

75 100

77 31.8 24.6 36.8

39 51.8 39.8 59.6





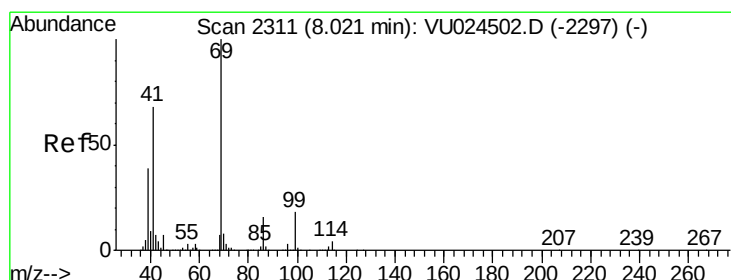
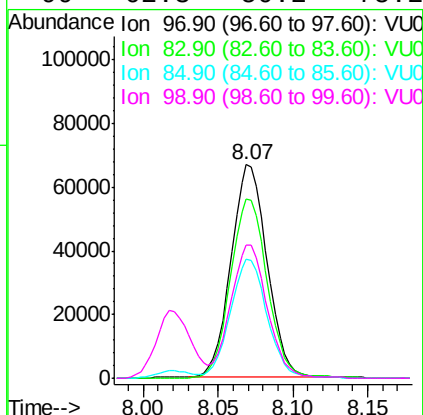
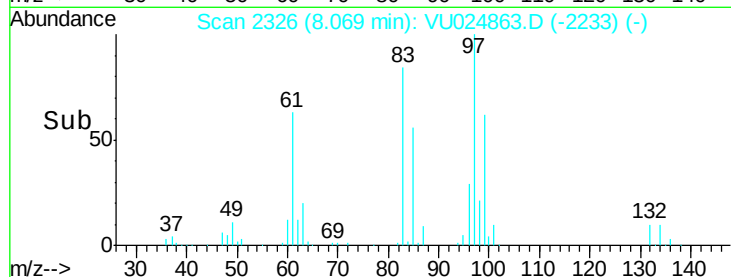
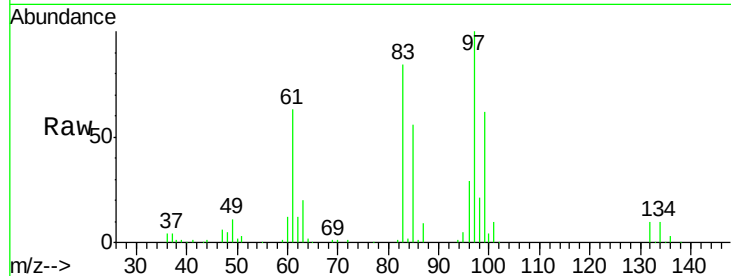
#55
 1,1,2-Trichloroethane
 Concen: 48.45 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		112318		
83	84.2	70.5	105.7		
85	55.6	46.4	69.6		
99	62.3	50.2	75.2		

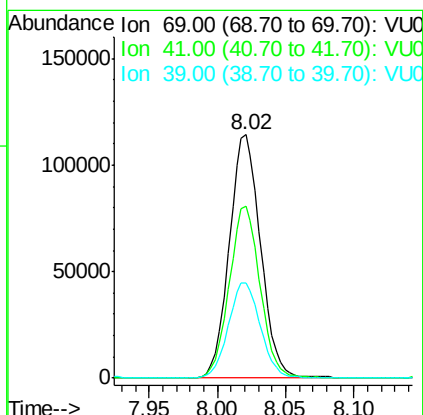
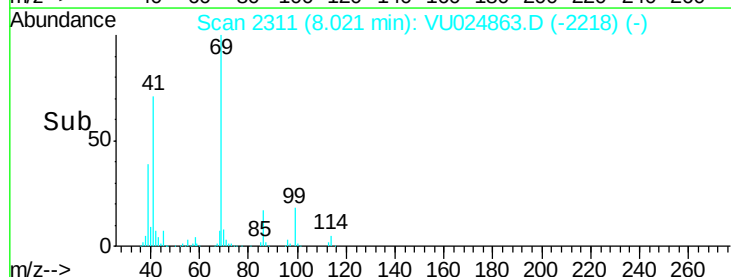
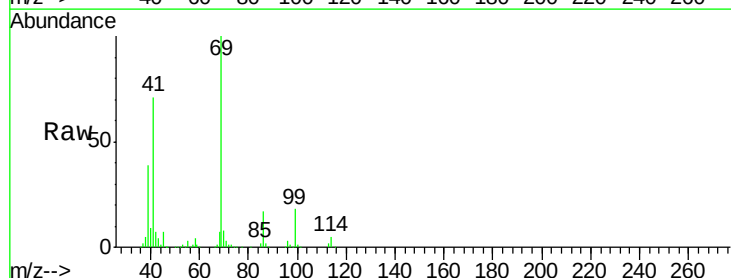
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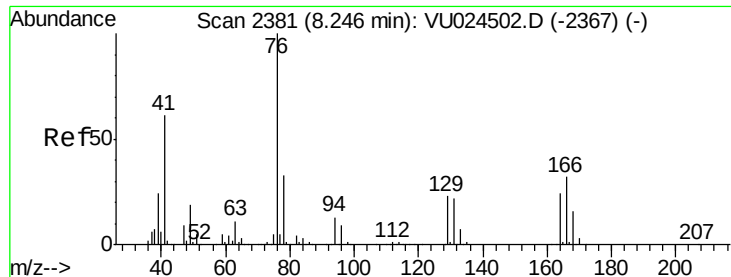
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#56
 Ethyl methacrylate
 Concen: 46.99 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		182323		
41	69.1	54.1	81.1		
39	39.7	30.3	45.5		





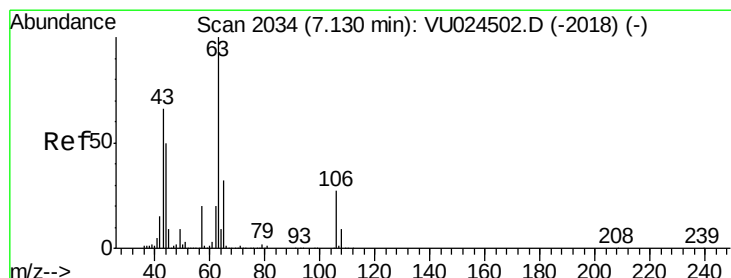
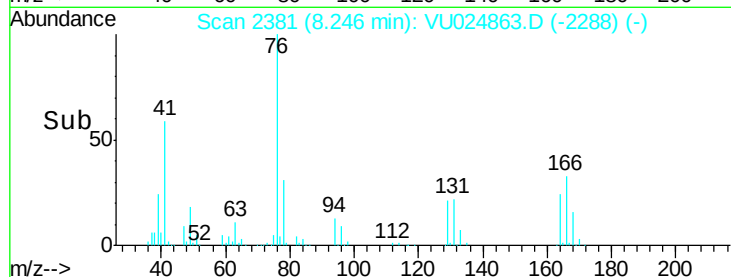
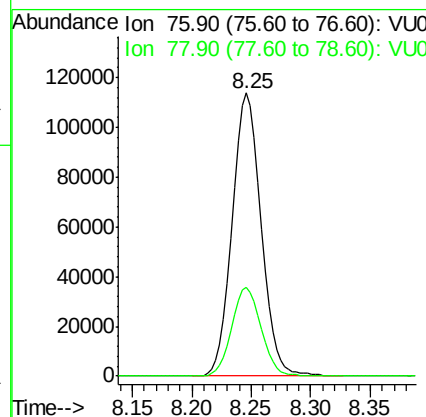
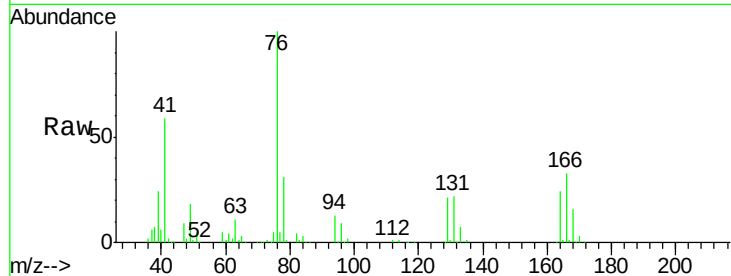
#57
 1,3-Dichloropropane
 Concen: 49.07 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 191904
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8

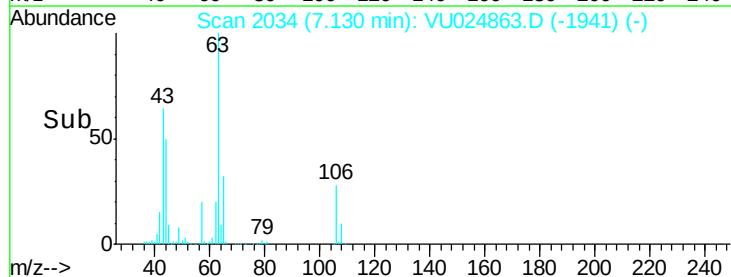
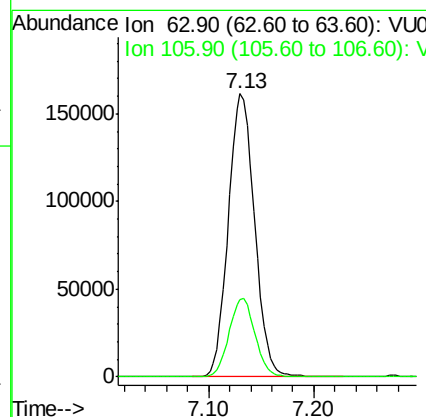
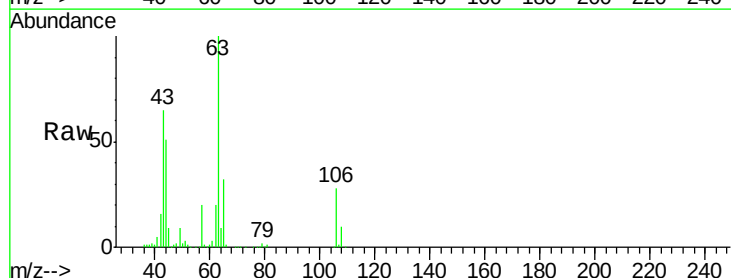
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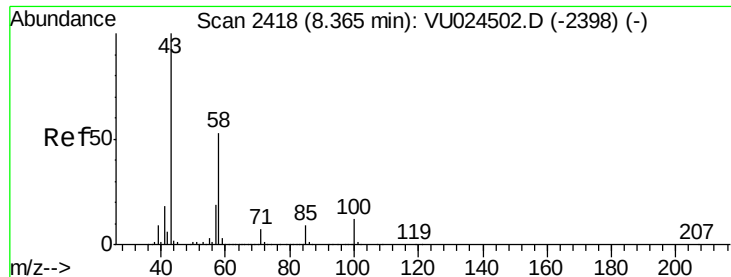
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#58
 2-Chloroethyl Vinyl ether
 Concen: 187.70 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Tgt Ion: 63 Resp: 279024
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.2 30.2





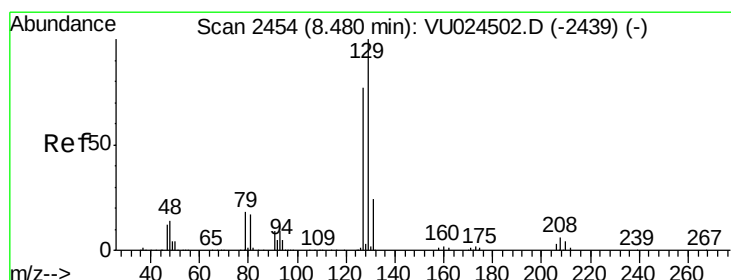
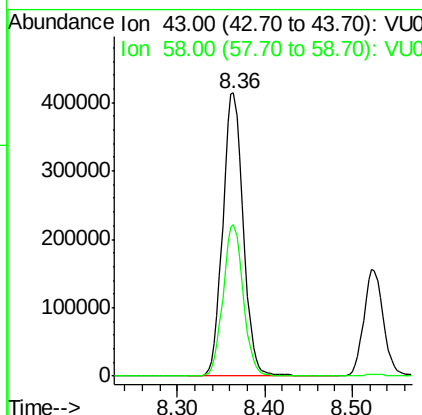
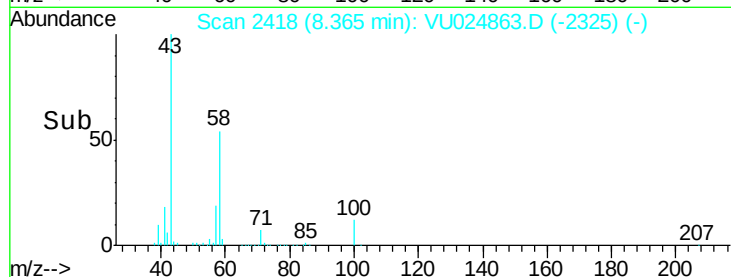
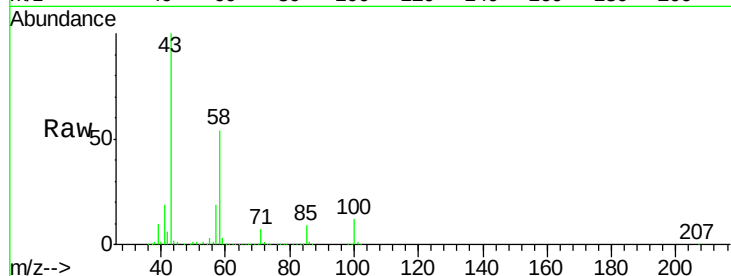
#59
2-Hexanone
Concen: 224.04 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 673517
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0

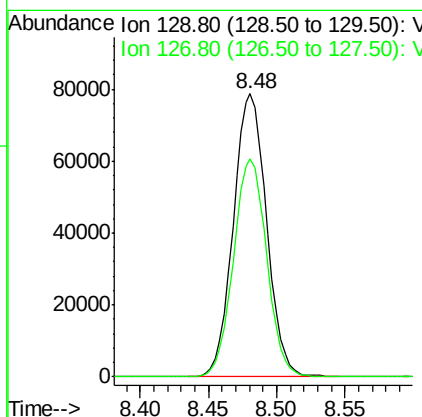
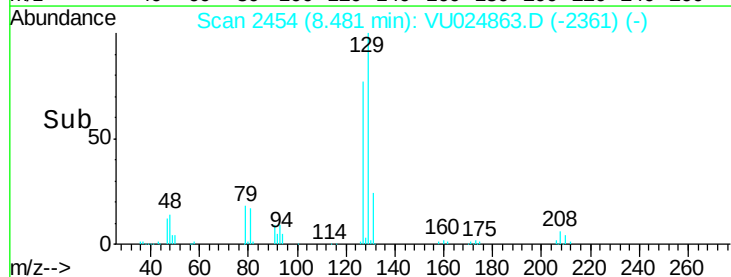
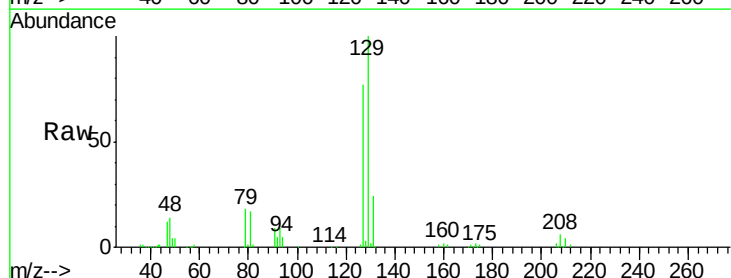
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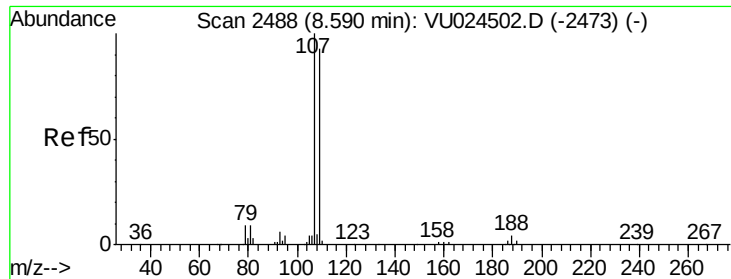
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#60
Dibromochloromethane
Concen: 46.05 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Tgt Ion: 129 Resp: 133137
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 47.45 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 122428

Ion Ratio Lower Upper

107 100

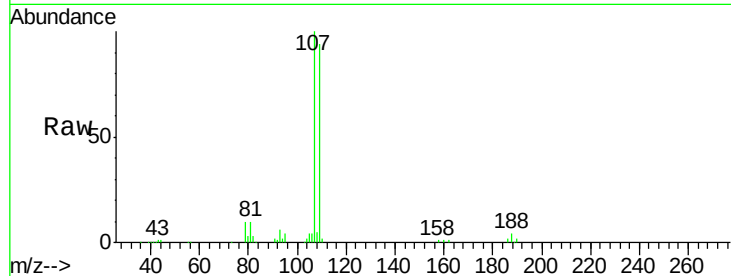
109 95.2 74.5 111.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

80000

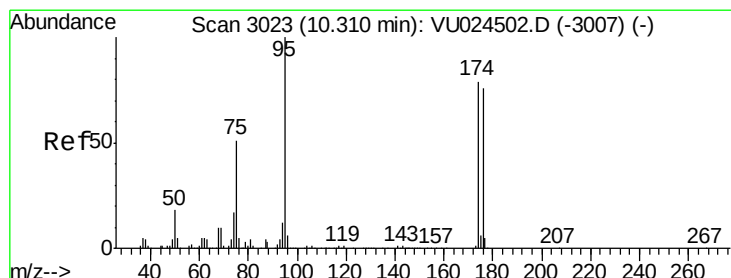
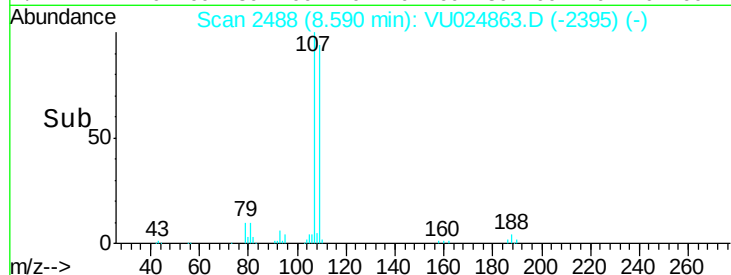
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.09 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

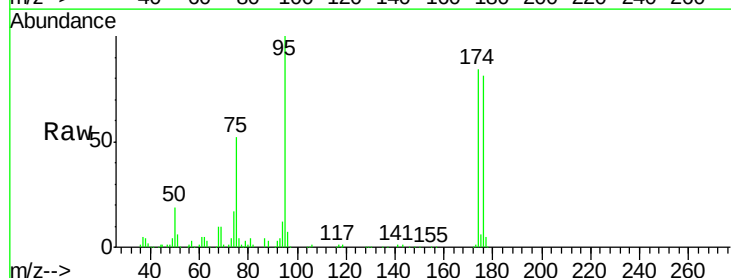
Tgt Ion: 95 Resp: 133930

Ion Ratio Lower Upper

95 100

174 85.6 0.0 165.8

176 82.8 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

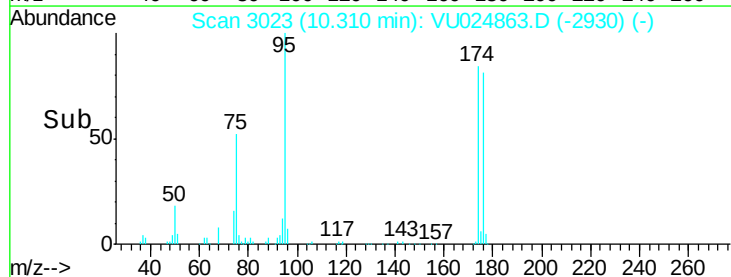
60000

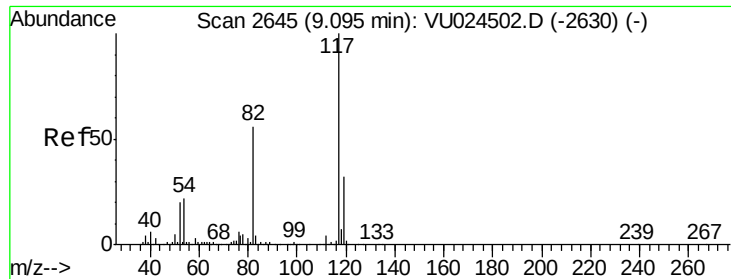
40000

20000

0

Time-->





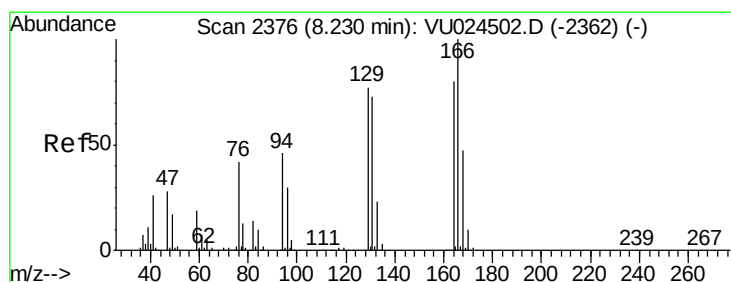
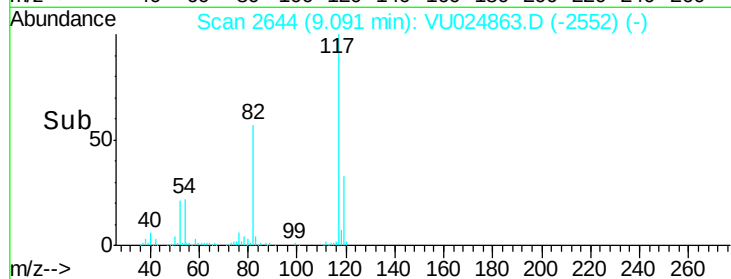
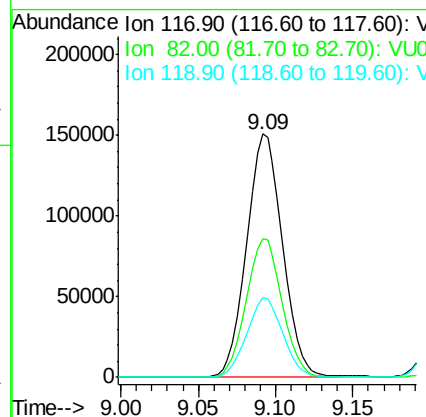
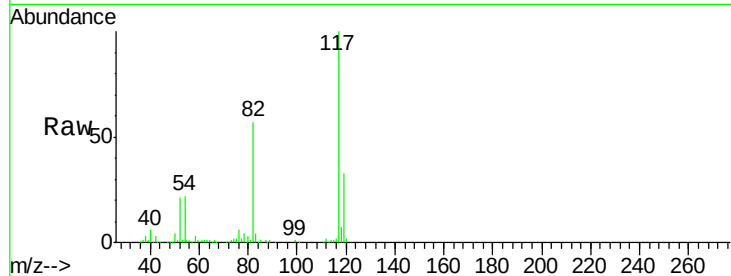
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	243952		
82	56.9	44.3	66.5	
119	32.6	25.4	38.2	

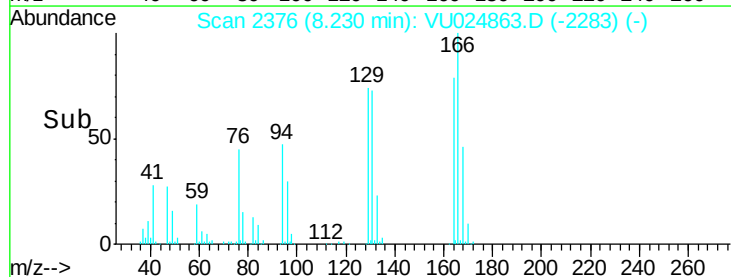
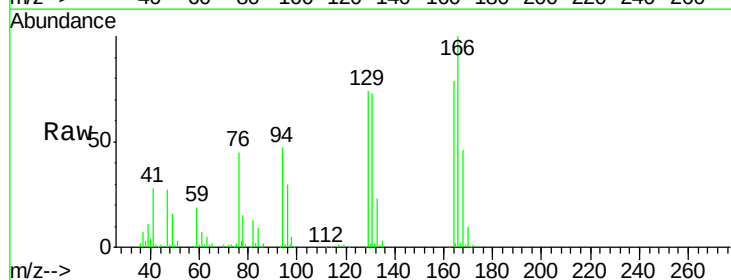
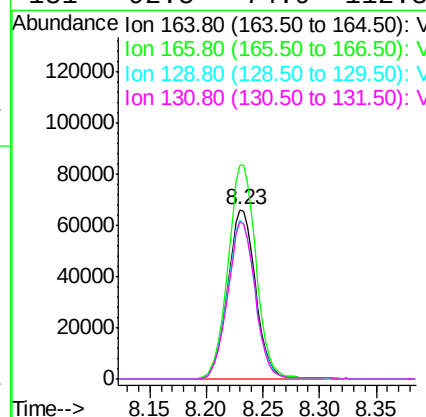
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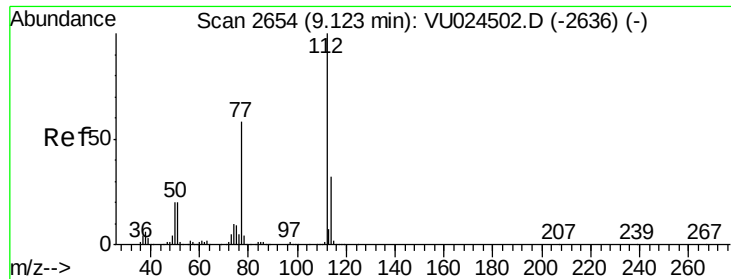
apatel
6/26/2018 11:59:58 AM



#64
Tetrachloroethene
Concen: 48.92 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	113445		
166	125.9	101.7	152.5	
129	93.7	76.9	115.3	
131	92.5	74.9	112.3	





#65

Chlorobenzene

Concen: 49.56 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 308879

Ion Ratio Lower Upper

112 100

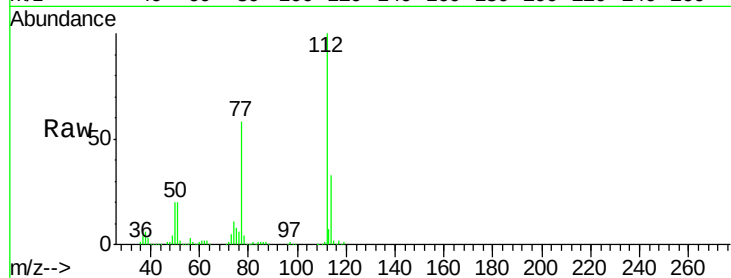
114 32.9 25.6 38.4

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

150000

100000

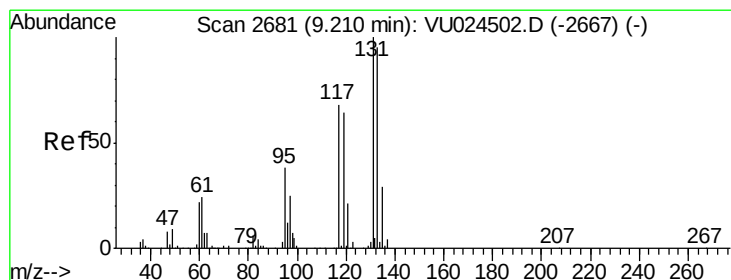
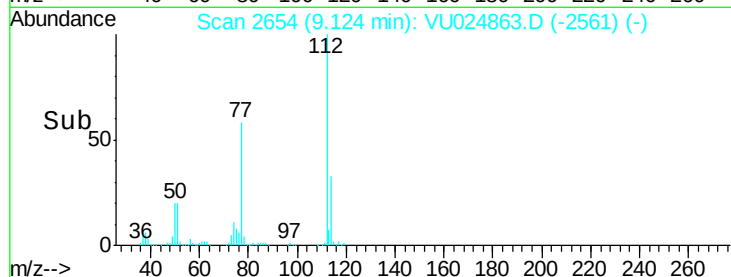
50000

0

9.12

9.10 9.20 9.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.70 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

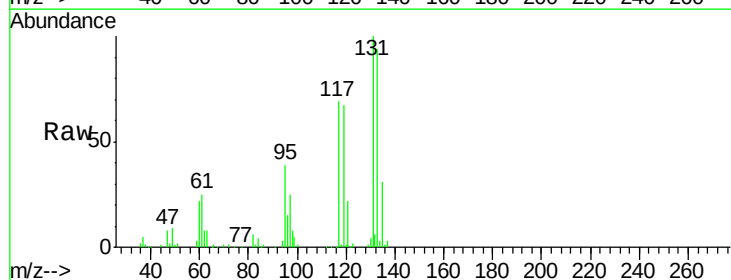
Tgt Ion:131 Resp: 117686

Ion Ratio Lower Upper

131 100

133 95.3 46.9 140.8

119 66.3 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

40000

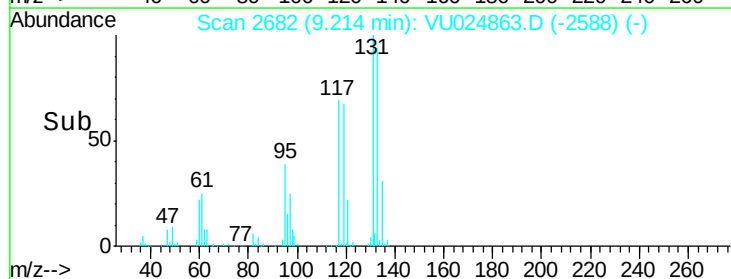
20000

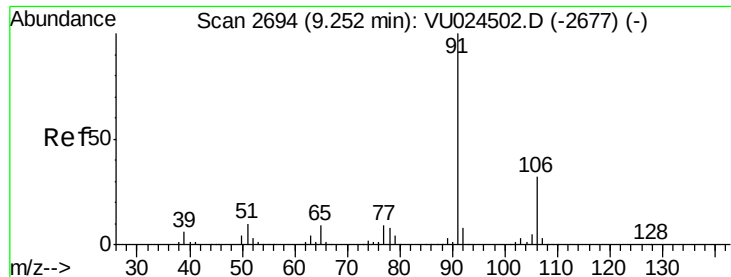
0

9.21

9.15 9.25 9.30

Time-->





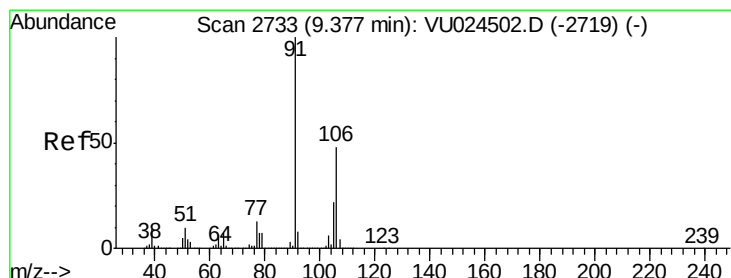
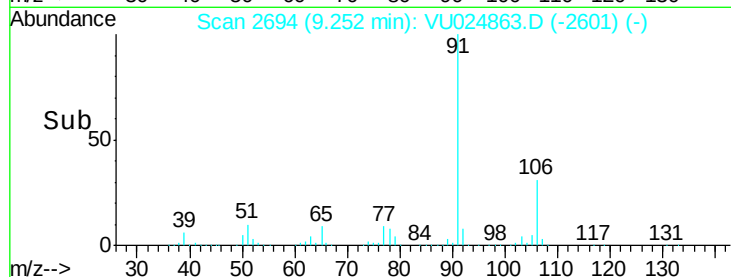
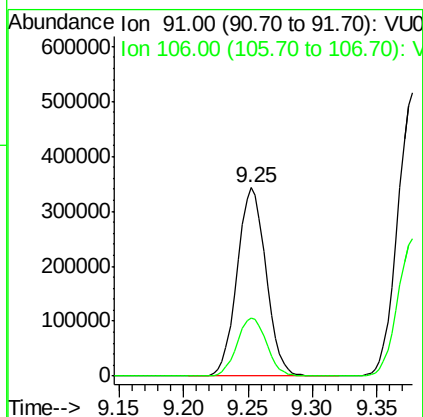
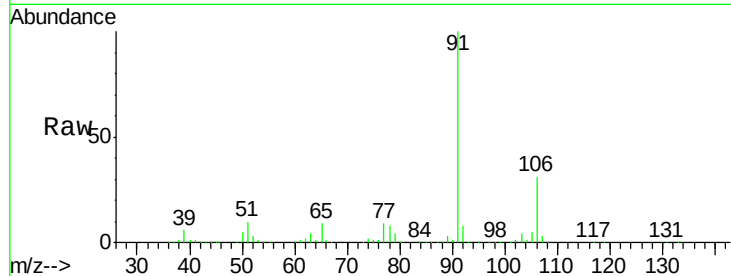
#67
Ethyl Benzene
Concen: 48.99 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 535263
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.4

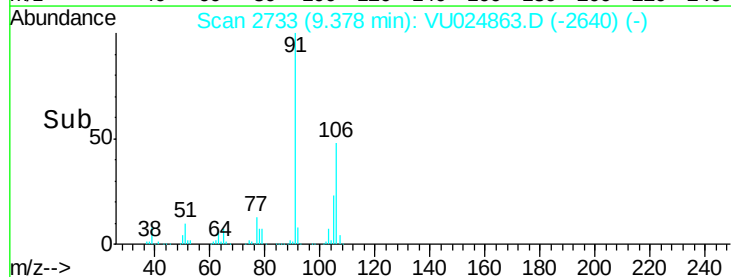
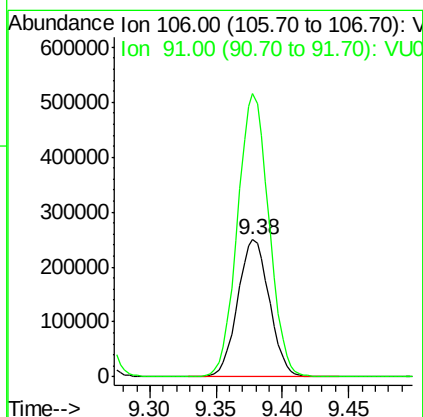
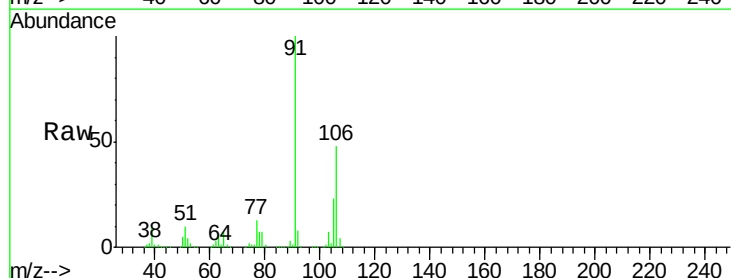
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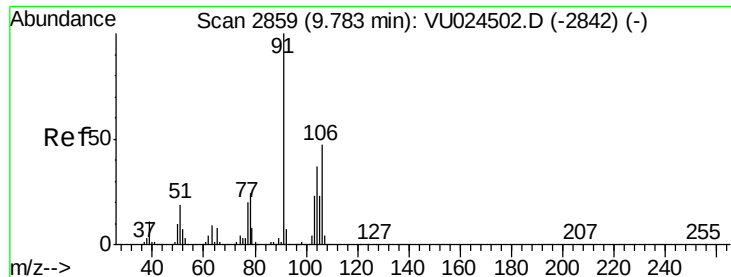
apatel
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#68
m/p-Xylenes
Concen: 99.08 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Tgt Ion: 106 Resp: 415692
Ion Ratio Lower Upper
106 100
91 204.1 166.5 249.7





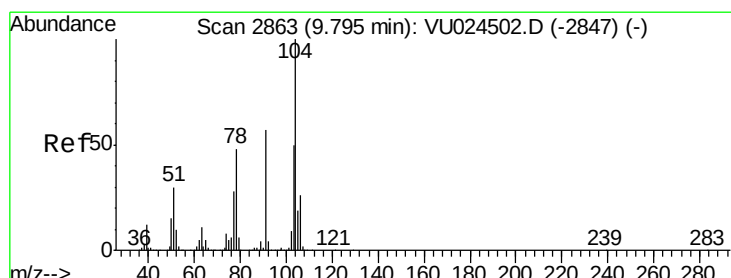
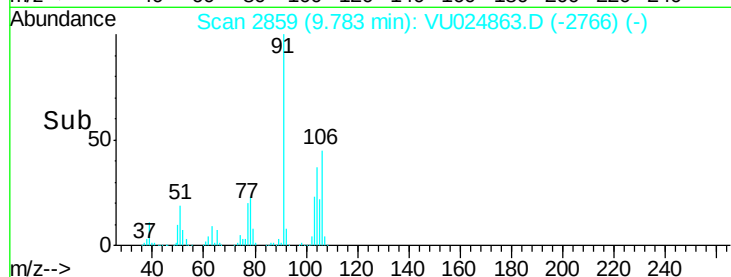
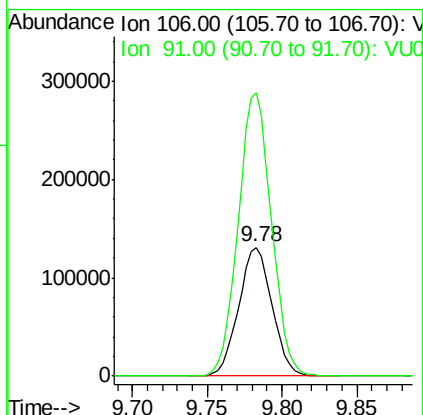
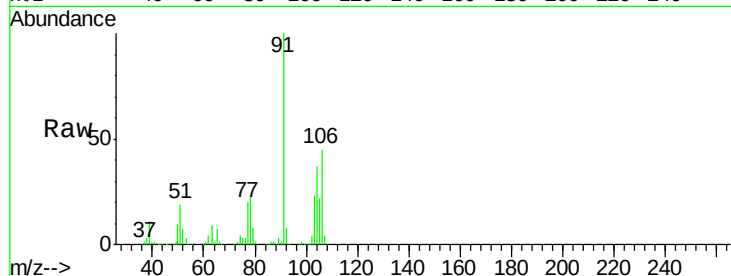
#69
o-Xylene
Concen: 49.11 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.1	110.7	331.9	

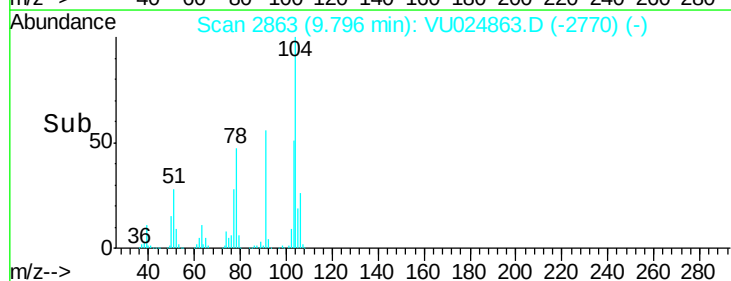
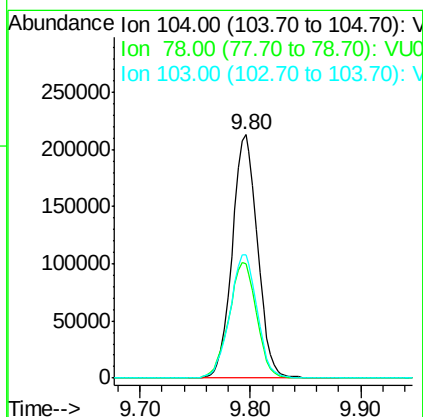
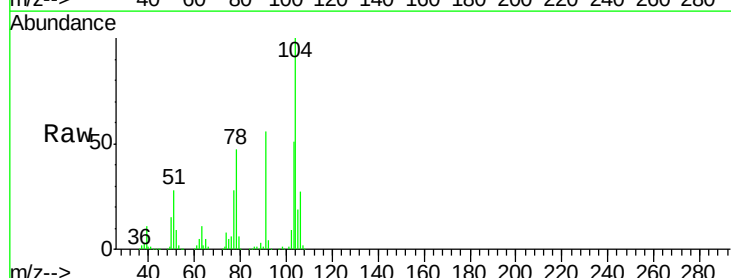
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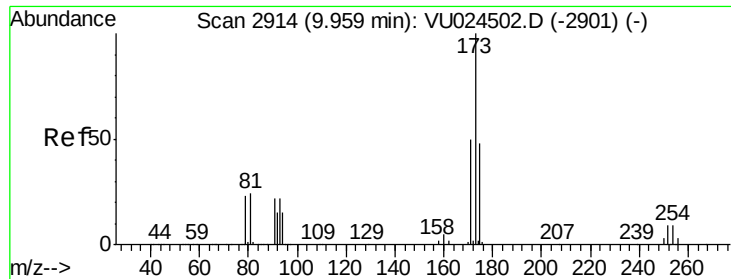
apatel
6/26/2018 11:59:58 AM



#70
Styrene
Concen: 49.80 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.9	40.6	60.8	
103	54.7	44.7	67.1	





#71

Bromoform

Concen: 46.67 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

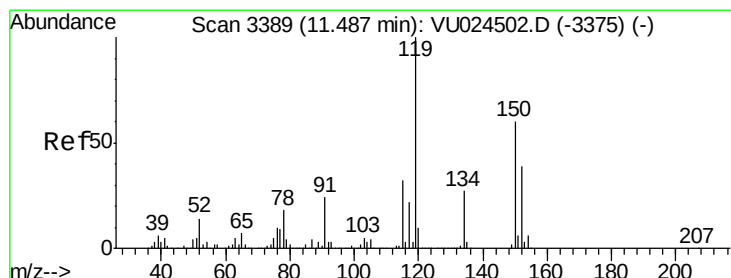
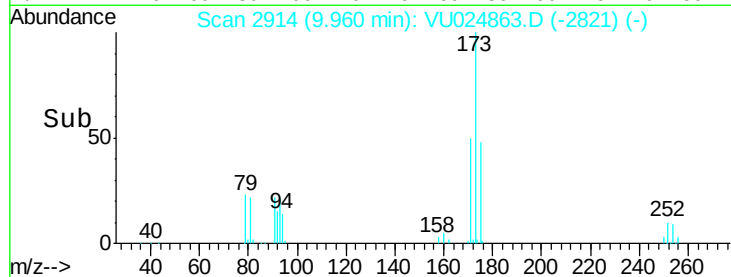
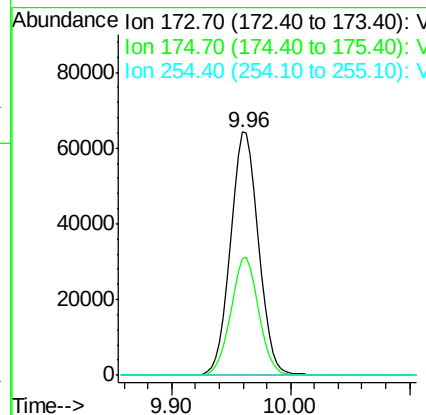
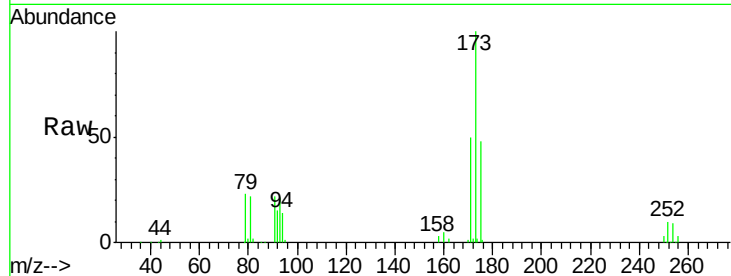
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	105029
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.6	74.0
254	0.0	0.0	0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

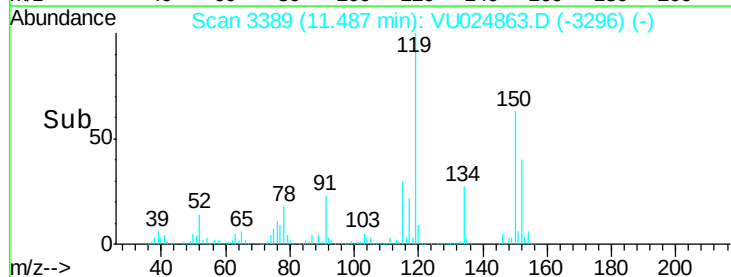
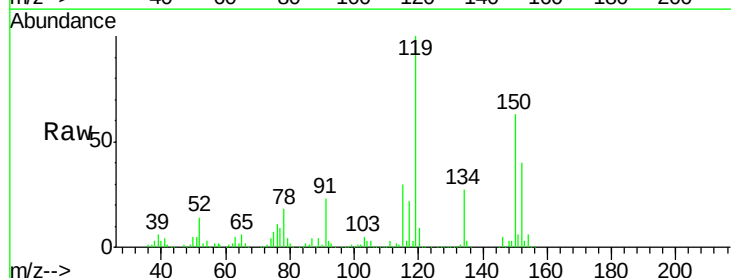
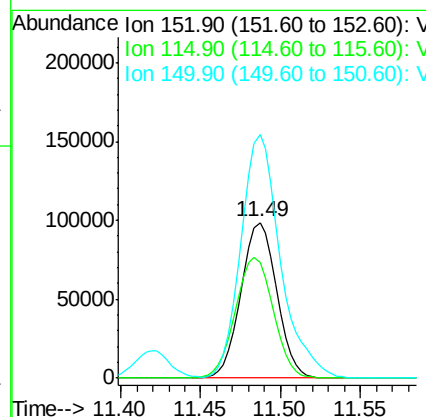
RT: 11.49 min Scan# 3389

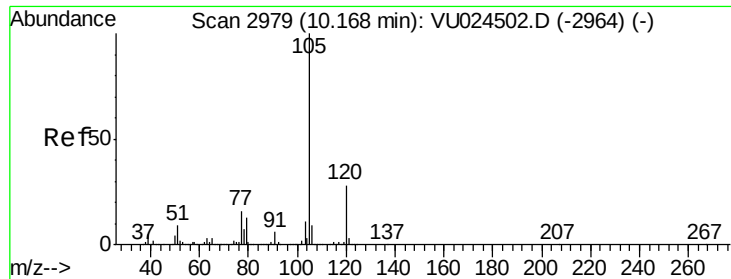
Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Tgt Ion:	152	Resp:	149894
Ion Ratio	Lower	Upper	
152	100		
115	82.3	43.0	129.0
150	173.3	0.0	354.0





#73

Isopropylbenzene

Concen: 48.69 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 560360

Ion Ratio Lower Upper

105 100

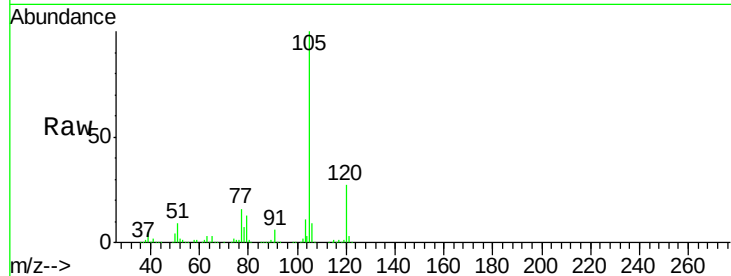
120 26.9 13.2 39.6

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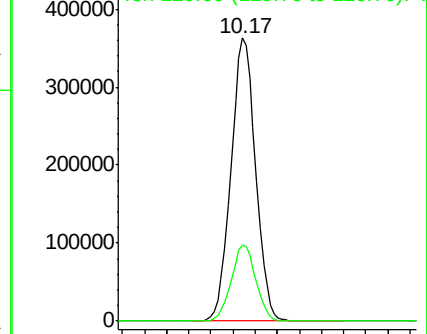
apatel

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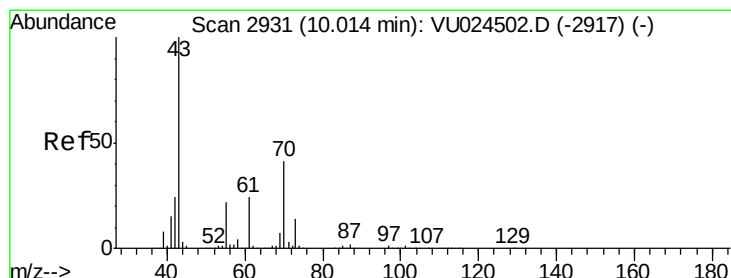
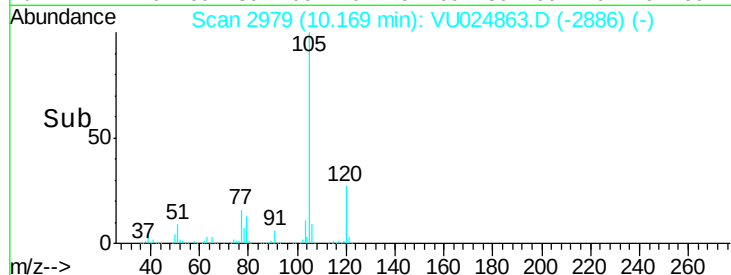


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 44.96 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Tgt Ion: 43 Resp: 246126

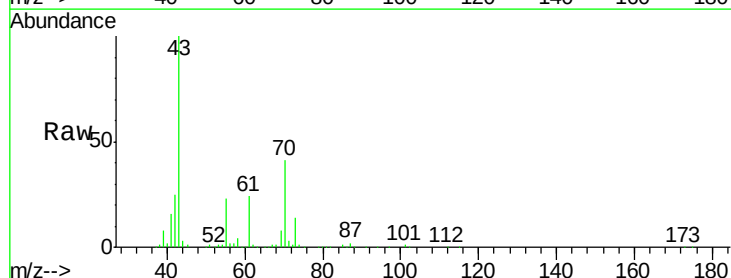
Ion Ratio Lower Upper

43 100

70 41.1 32.2 48.4

55 23.6 20.5 30.7

61 23.9 18.7 28.1

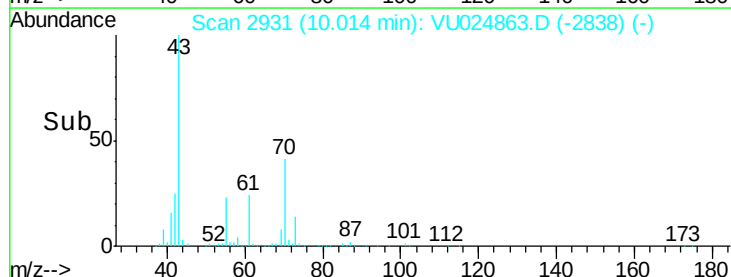
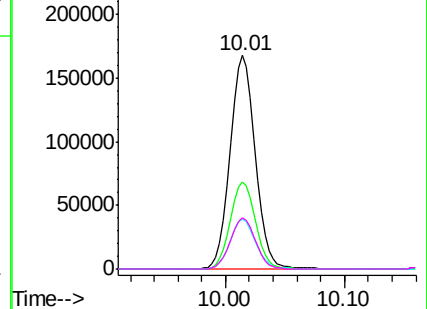


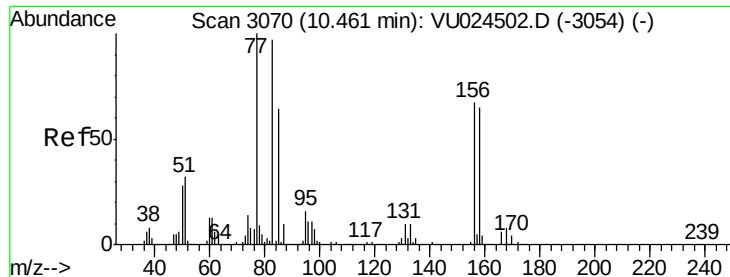
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.37 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 186522

Ion Ratio Lower Upper

83 100

131 10.4 4.7 14.1

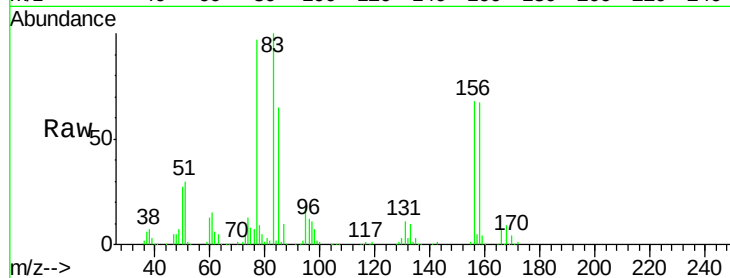
85 64.7 32.5 97.5

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Abundance Ion 82.90 (82.60 to 83.60): VU024863.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024863.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024863.D (-2977) (-)

10.46

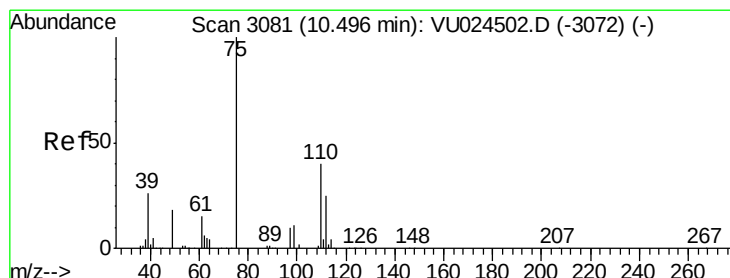
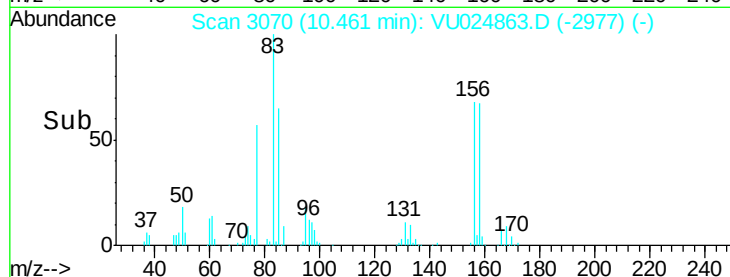
100000

50000

0

10.40 10.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 55.84 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024863.D

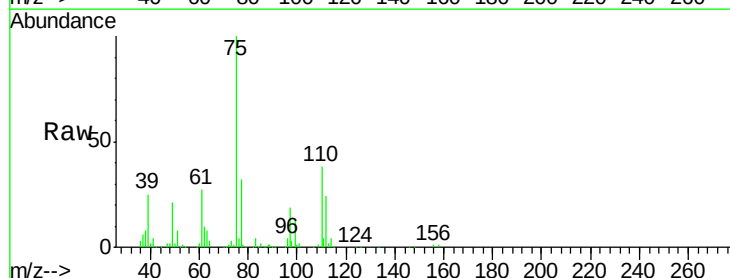
Acq: 23 Jun 2018 03:54

Tgt Ion: 75 Resp: 184293

Ion Ratio Lower Upper

75 100

77 35.7 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024863.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024863.D (-2988) (-)

10.50

150000

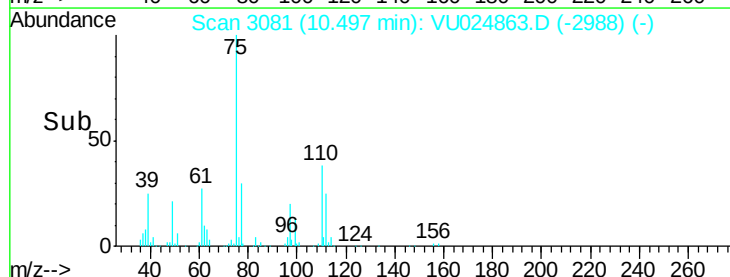
100000

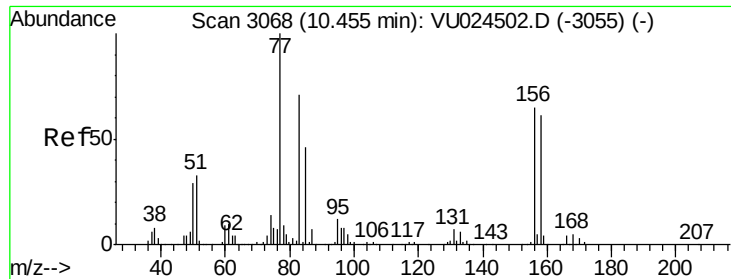
50000

0

10.45 10.50

Time-->





#77

Bromobenzene

Concen: 49.21 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

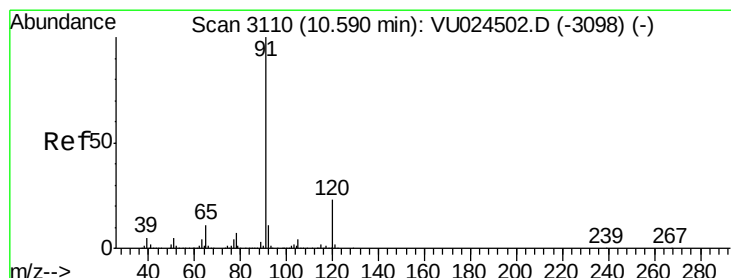
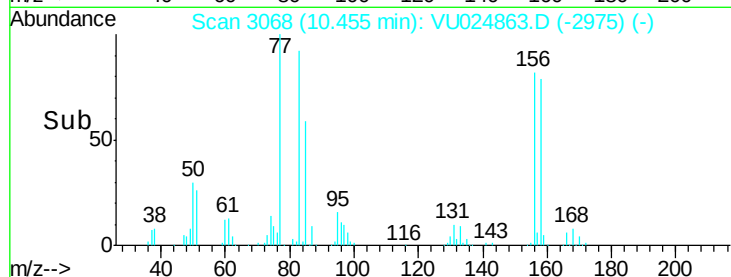
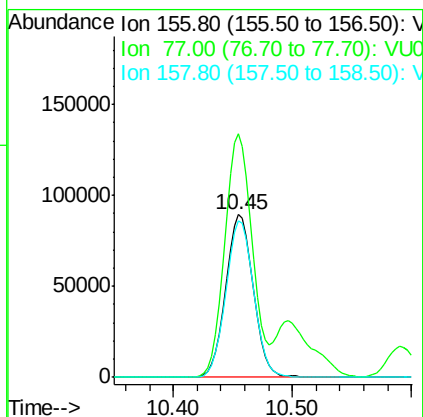
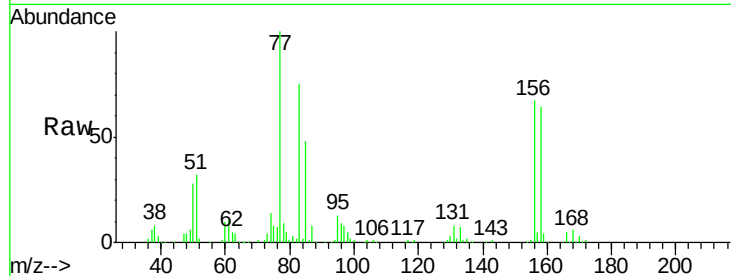
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	149.6	80.5	241.3
158	97.0	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 46.89 ug/l

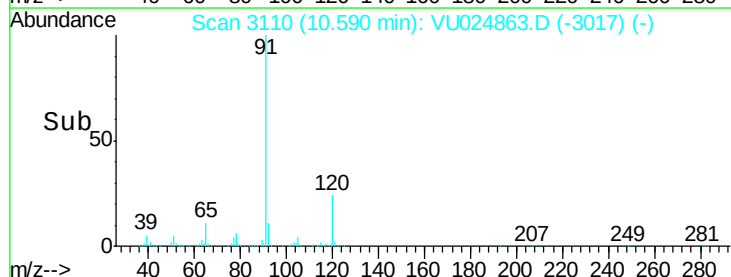
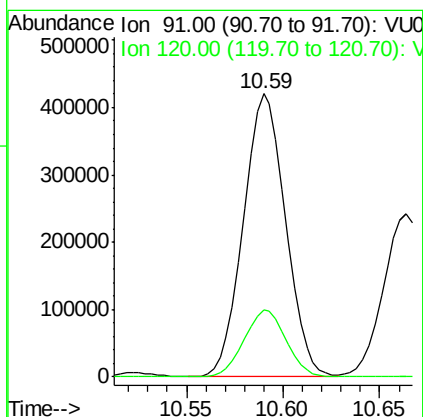
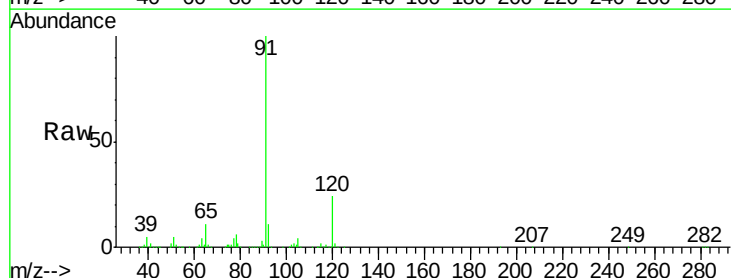
RT: 10.59 min Scan# 3110

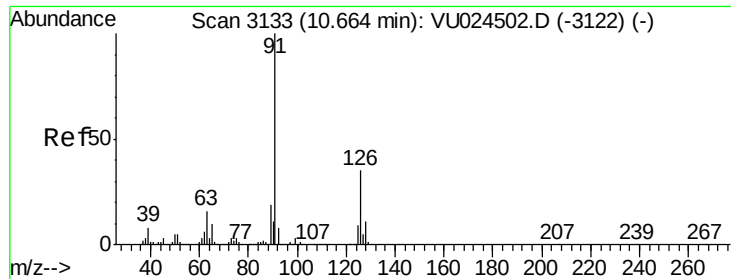
Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 47.59 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 380458

Ion Ratio Lower Upper

91 100

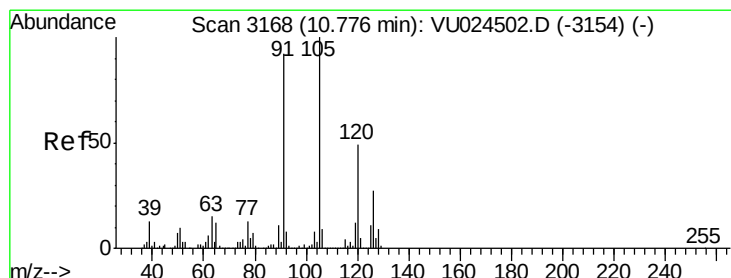
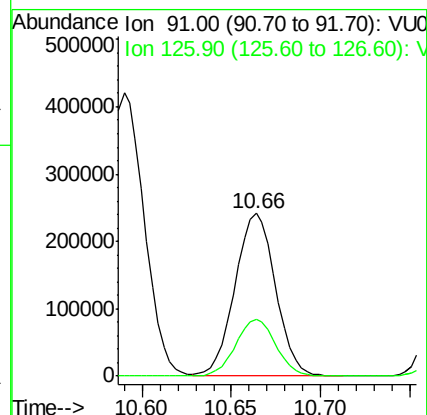
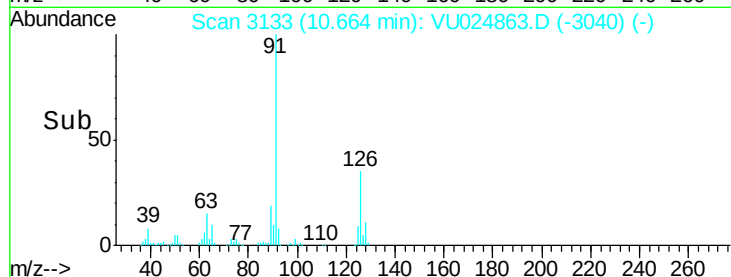
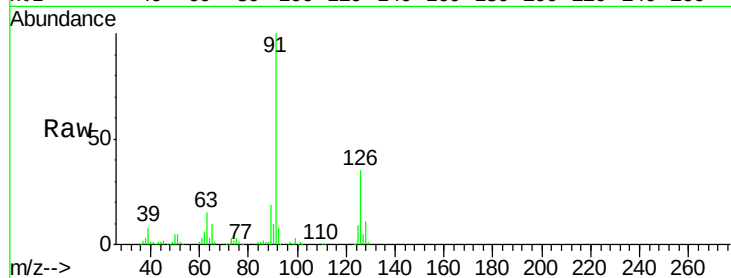
126 34.8 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.47 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024863.D

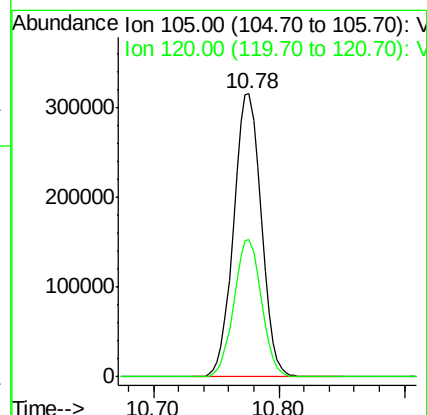
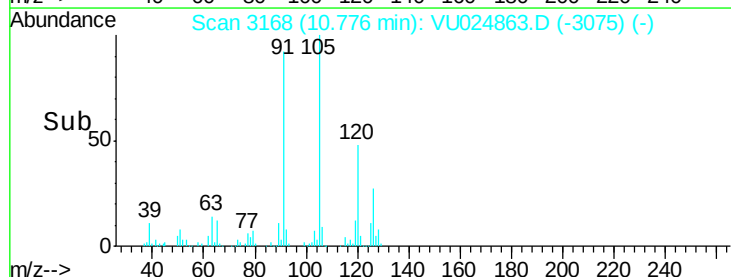
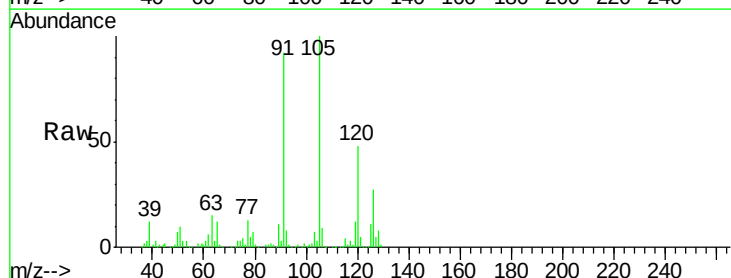
Acq: 23 Jun 2018 03:54

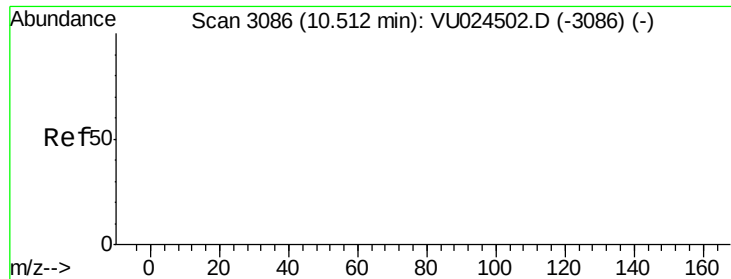
Tgt Ion: 105 Resp: 483504

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.2





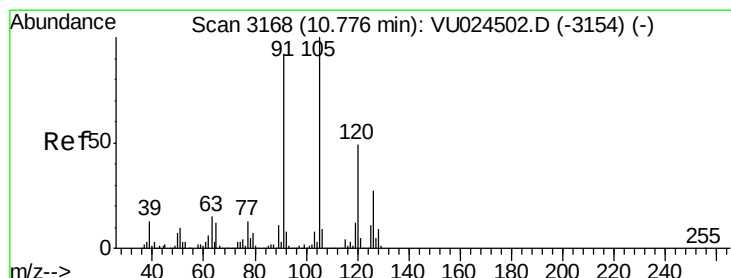
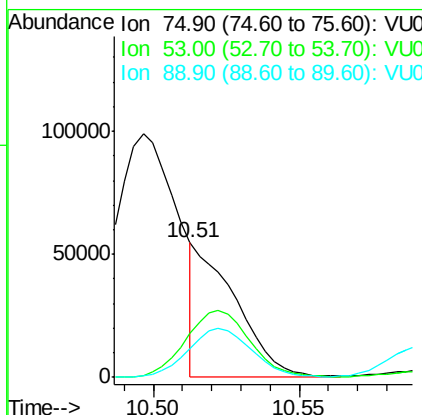
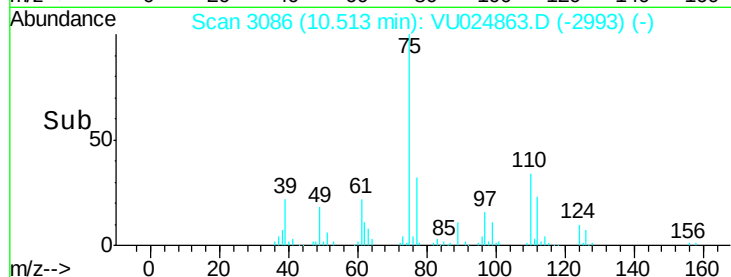
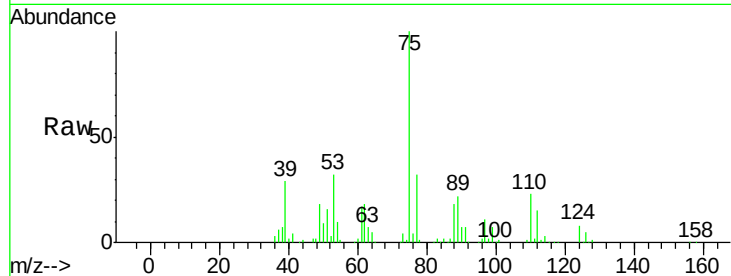
#81
trans-1,4-Dichloro-2-butene
Concen: 37.11 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

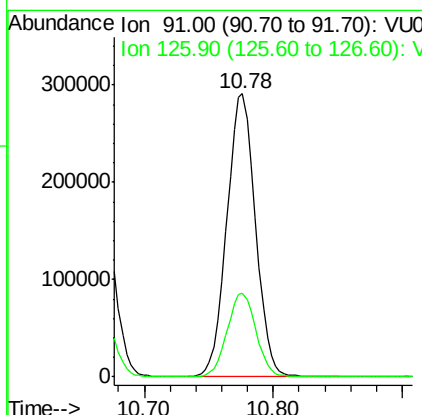
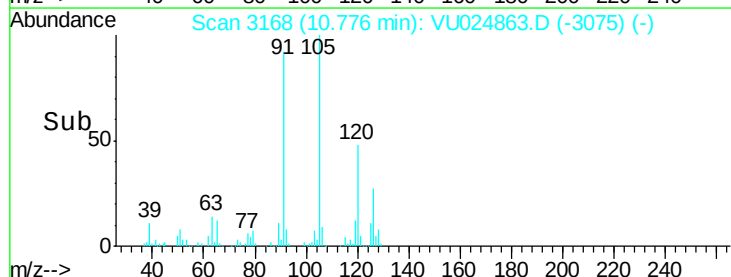
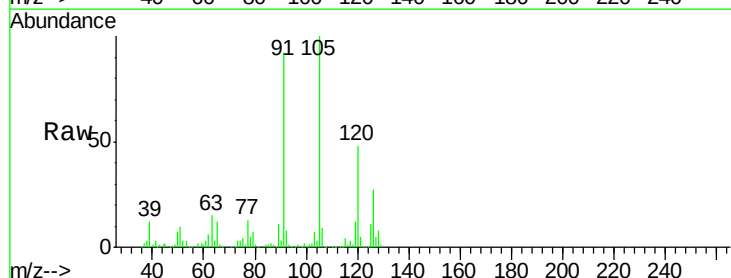
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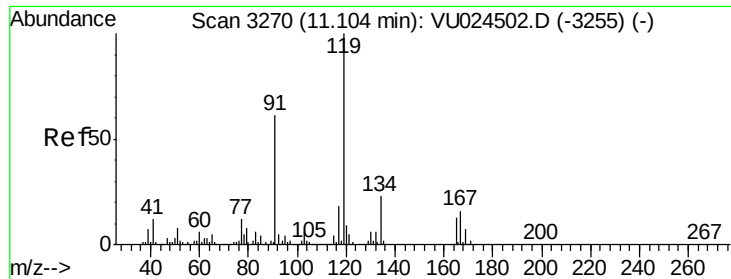
apatel
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#82
4-Chlorotoluene
Concen: 47.80 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024863.D
Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.9	44.9





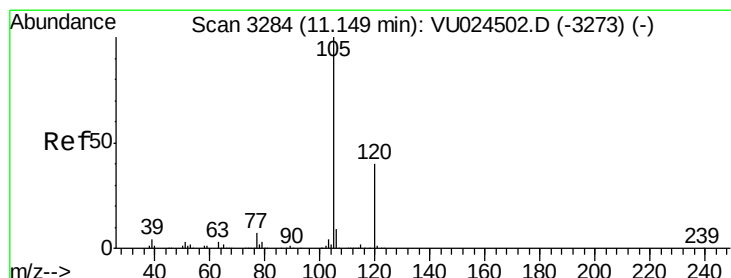
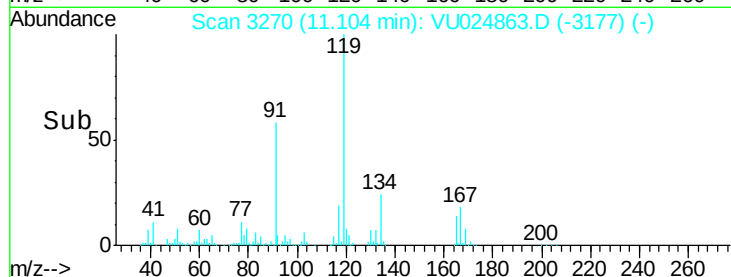
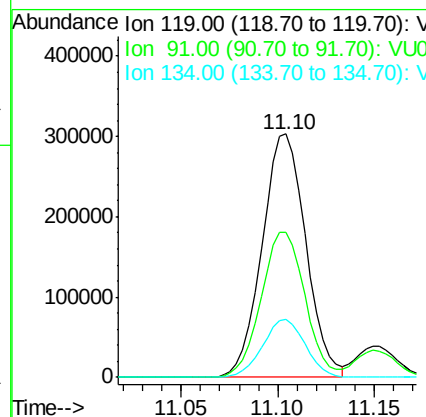
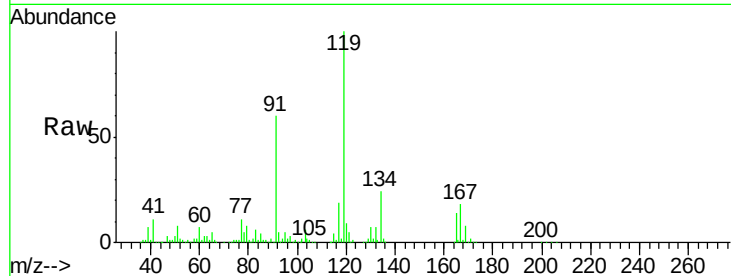
#83
 tert-Butylbenzene
 Concen: 49.90 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	29.7	89.1
134	23.2	11.6	34.7

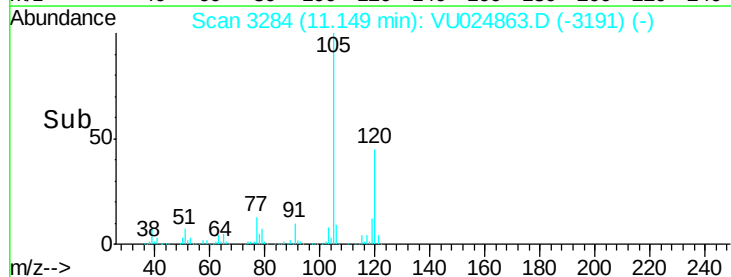
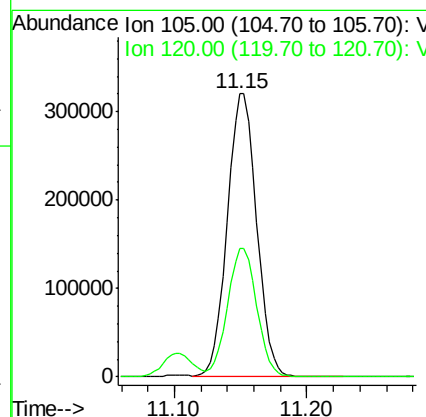
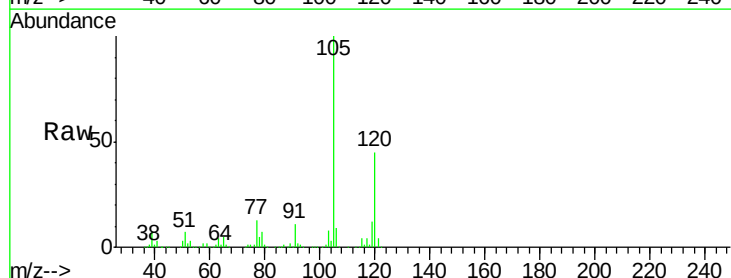
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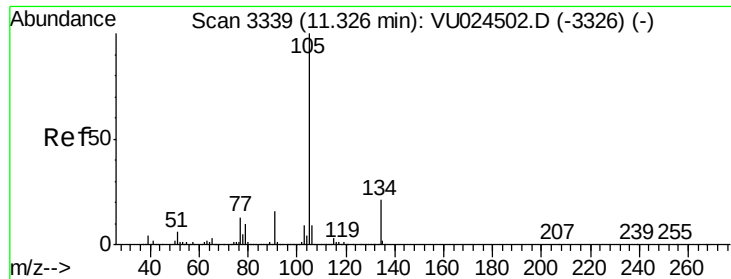
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.45 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.6	67.8





#85

sec-Butylbenzene

Concen: 48.01 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 576643

Ion Ratio Lower Upper

105 100

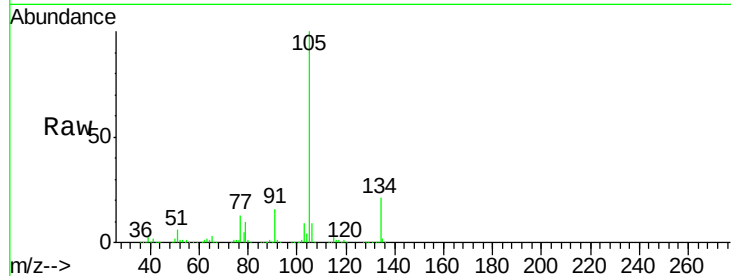
134 20.8 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

400000

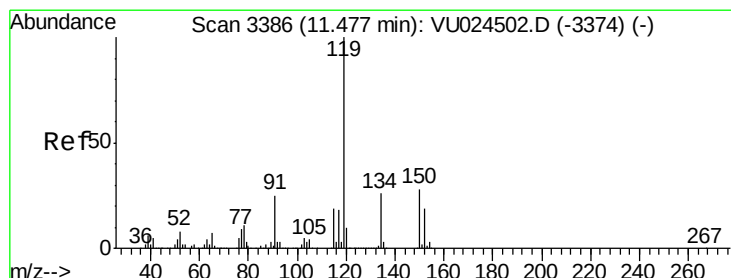
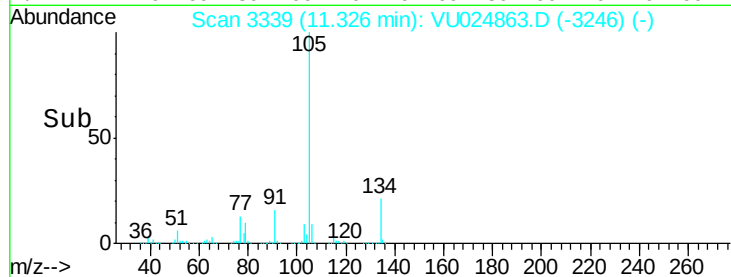
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.43 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

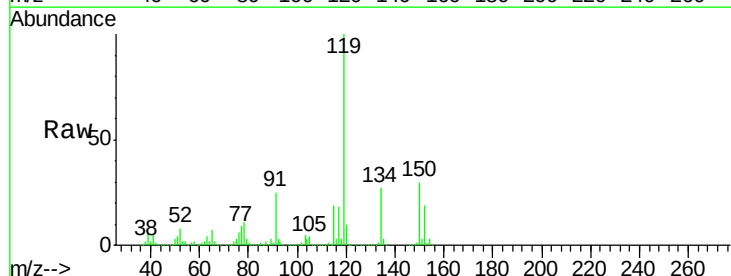
Tgt Ion:119 Resp: 510212

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

91 24.5 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

400000

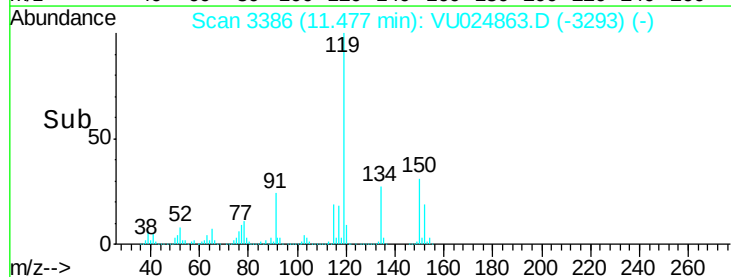
300000

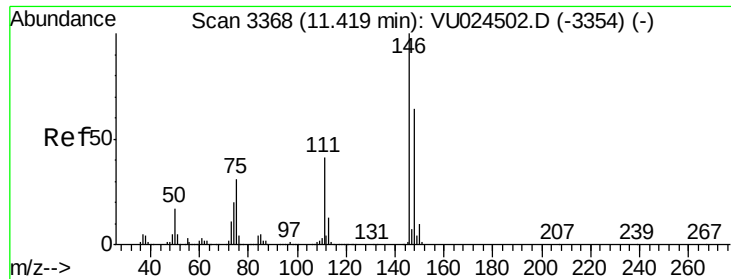
200000

100000

0

Time-->





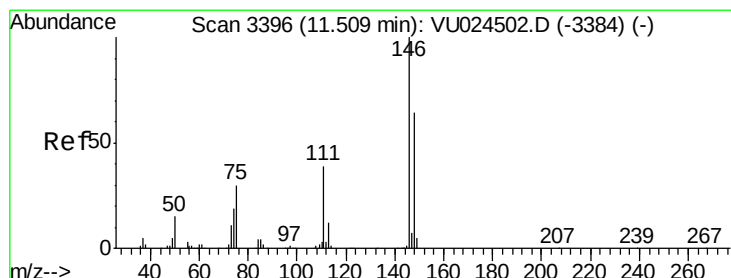
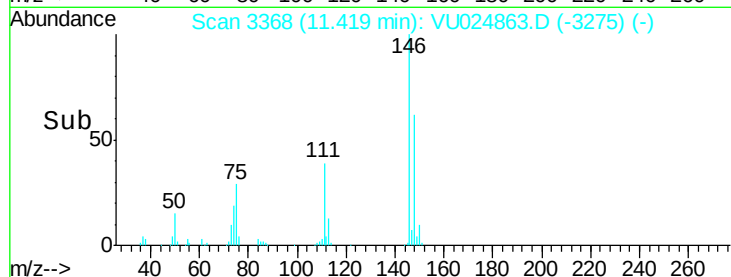
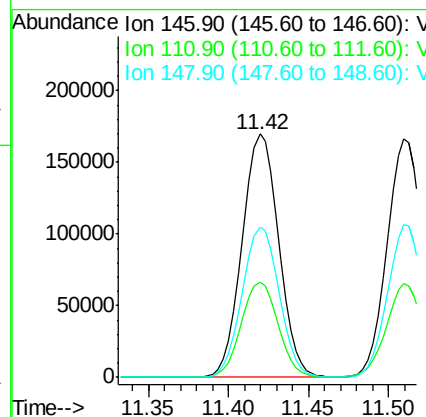
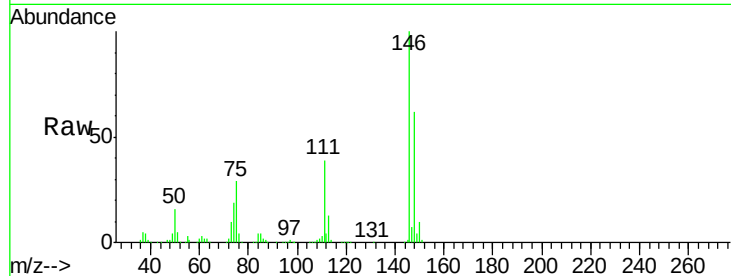
#87
 1,3-Dichlorobenzene
 Concen: 49.08 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	62.7	32.1	96.5

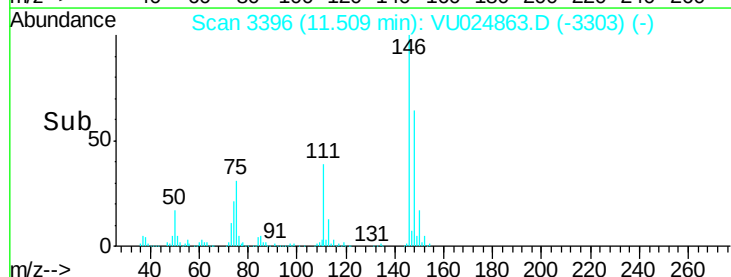
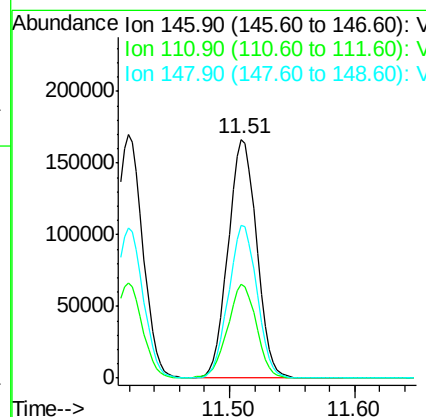
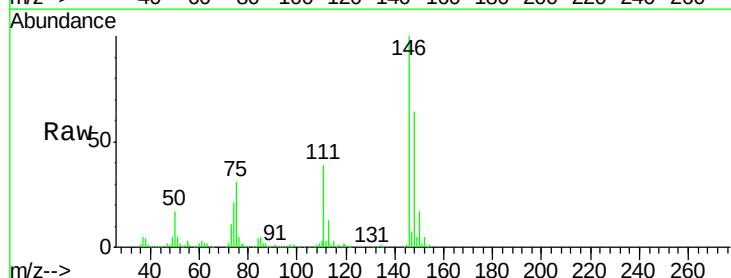
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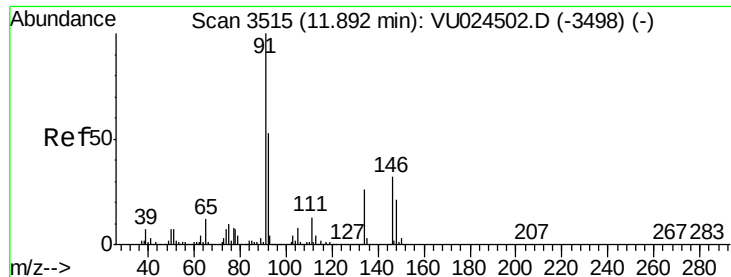
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#88
 1,4-Dichlorobenzene
 Concen: 48.45 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.5	58.5
148	64.0	32.4	97.0





#89

n-Butylbenzene

Concen: 44.87 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

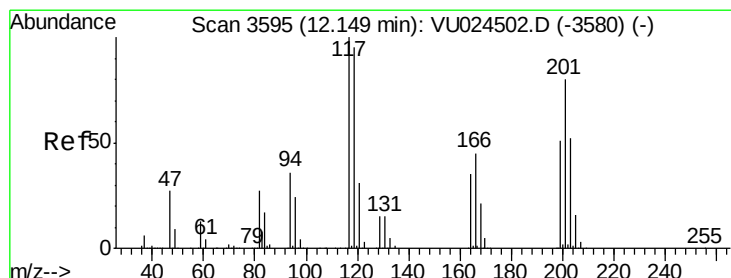
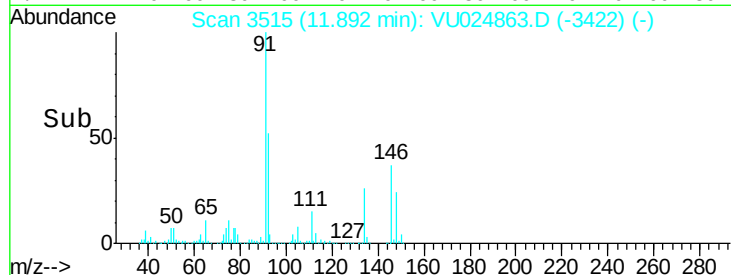
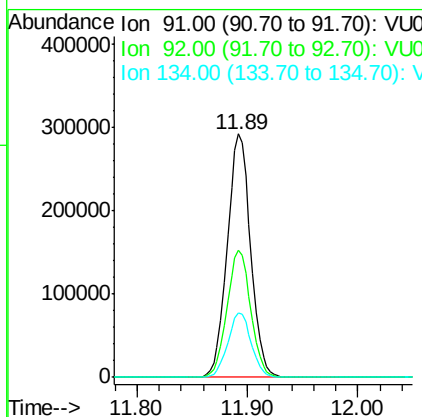
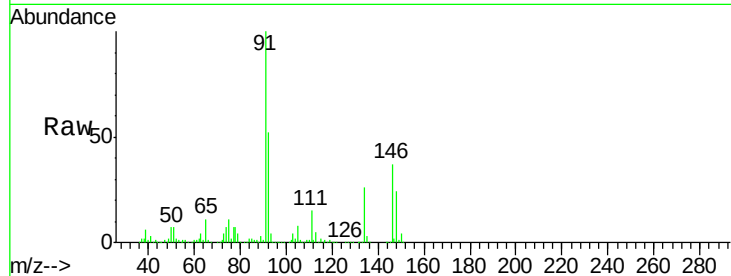
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	428502
Ion	Ratio	Lower	Upper
91	100		
92	53.0	25.6	76.8
134	26.6	12.3	36.8

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#90

Hexachloroethane

Concen: 42.49 ug/l

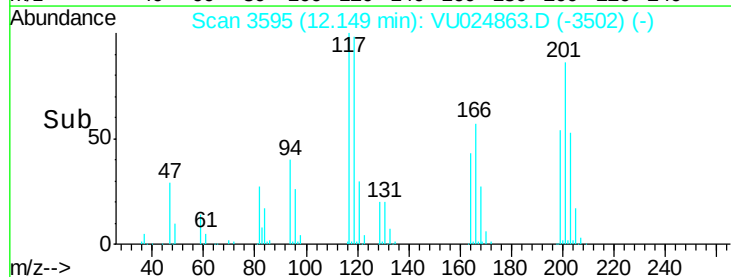
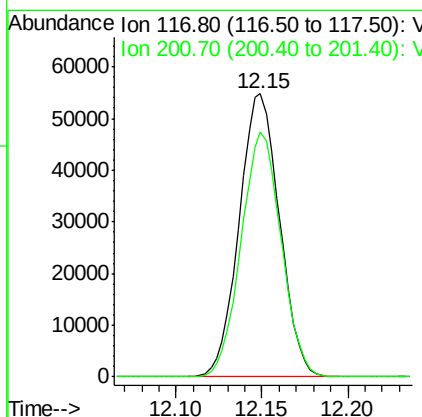
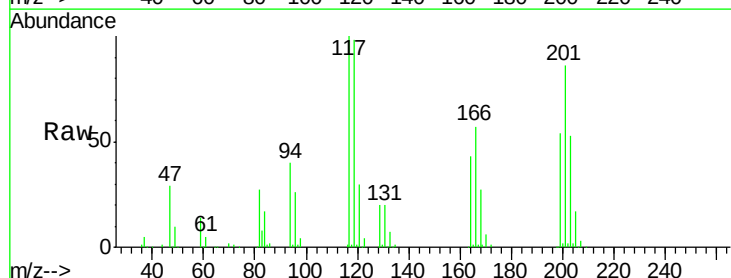
RT: 12.15 min Scan# 3595

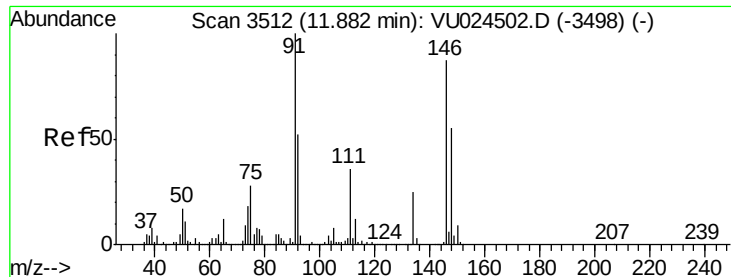
Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Tgt Ion:	117	Resp:	89157
Ion	Ratio	Lower	Upper
117	100		
201	85.7	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 50.73 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

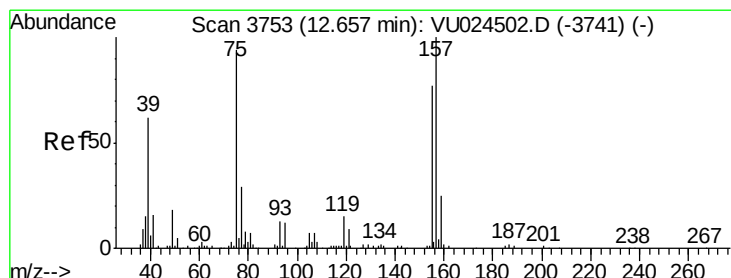
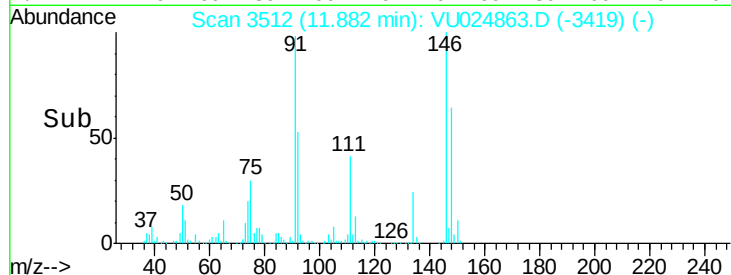
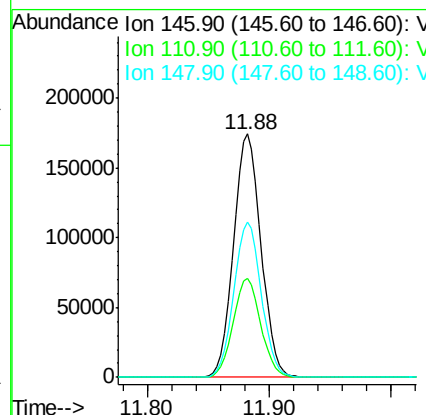
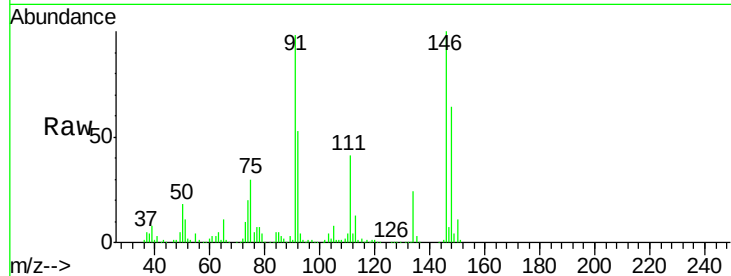
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	273519
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.5	61.6
148	63.9	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.64 ug/l

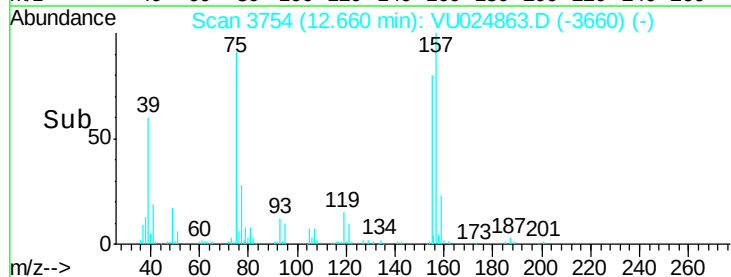
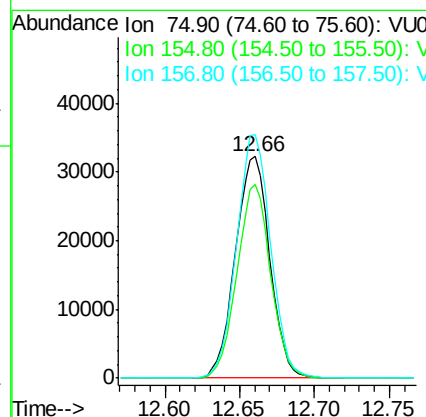
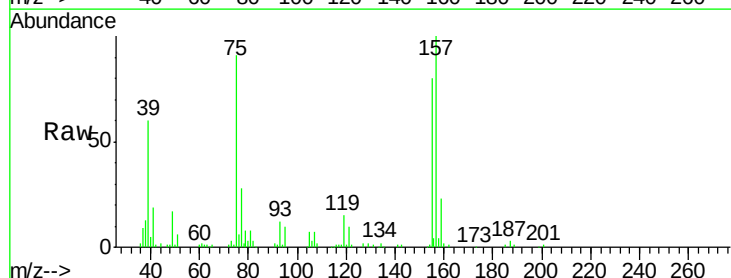
RT: 12.66 min Scan# 3754

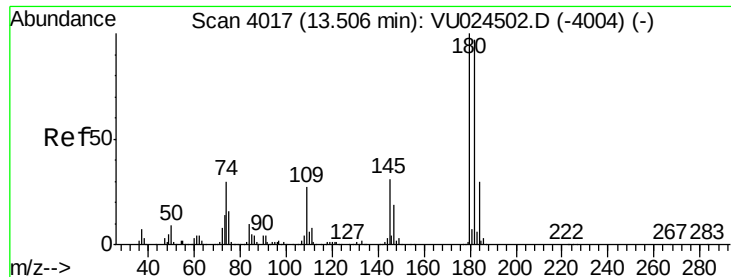
Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Tgt Ion:	75	Resp:	51756
Ion Ratio	Lower	Upper	
75	100		
155	85.0	40.4	121.2
157	108.7	52.3	156.8





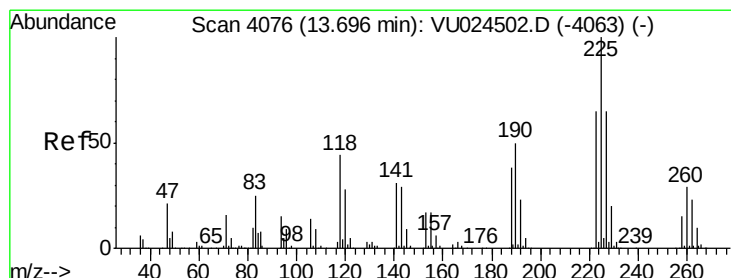
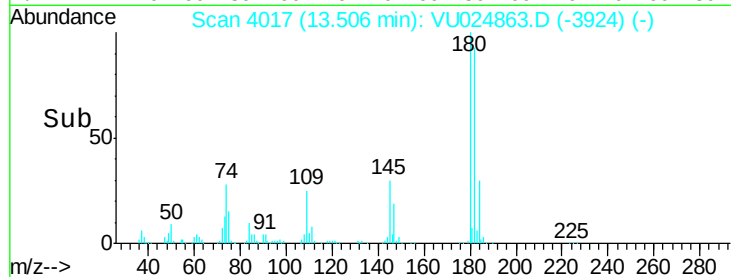
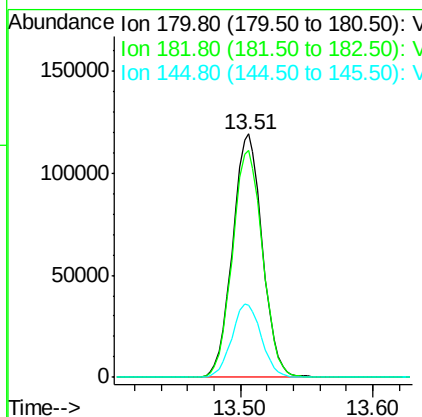
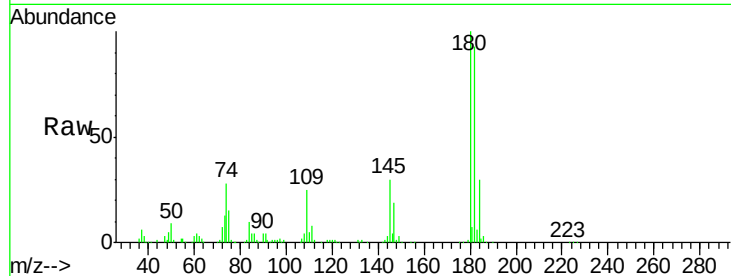
#93
 1,2,4-Trichlorobenzene
 Concen: 55.67 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	185347		
182	94.7	48.0	144.2	
145	30.0	14.7	44.1	

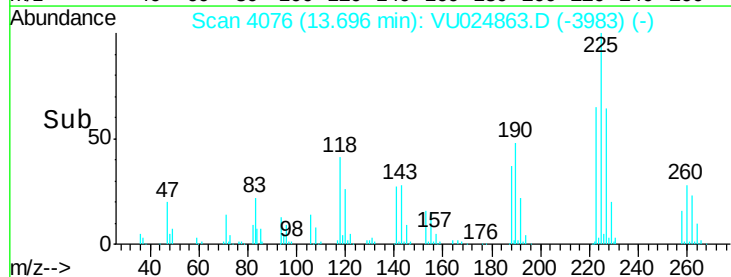
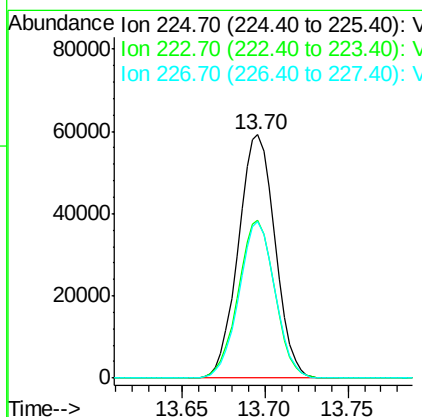
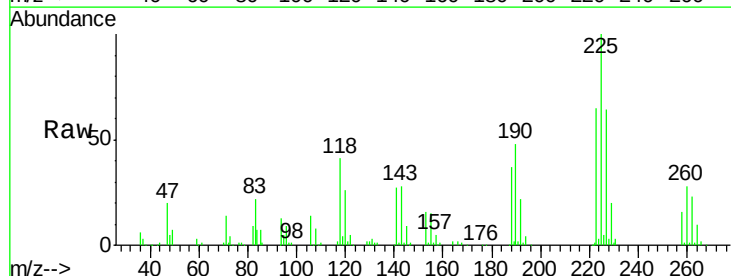
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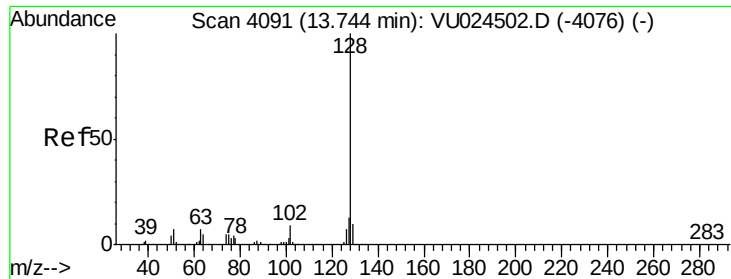
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#94
 Hexachlorobutadiene
 Concen: 48.57 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024863.D
 Acq: 23 Jun 2018 03:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91020		
223	64.4	31.3	93.8	
227	62.8	31.8	95.4	





#95

Naphthalene

Concen: 56.05 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Instrument :

MSVOA_U

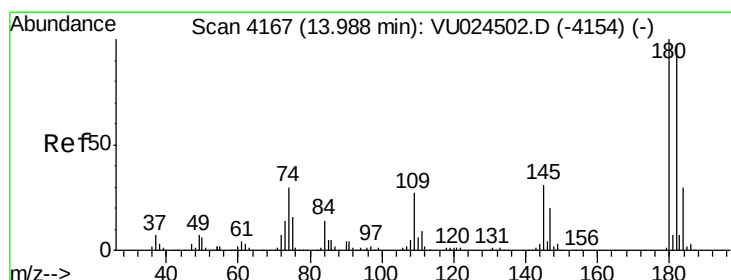
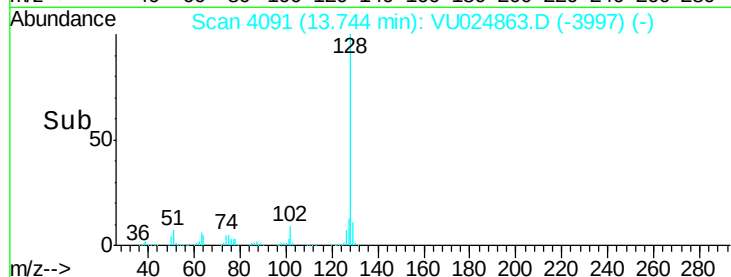
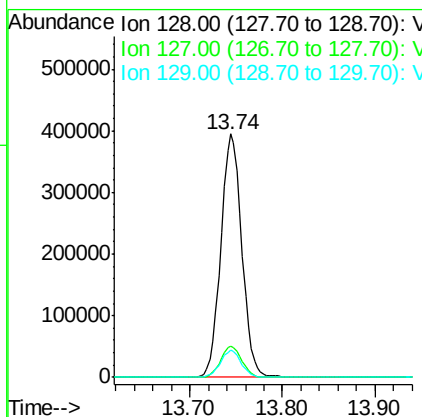
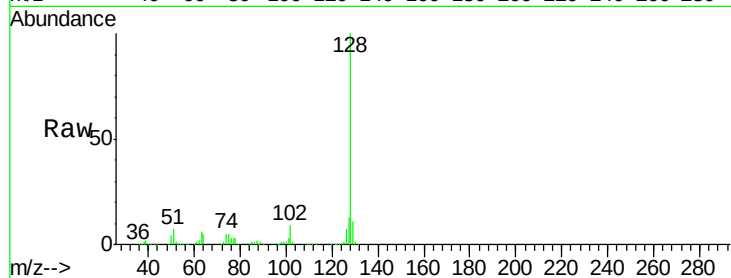
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	618720
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	10.9	8.6	12.8

Manual Integrations
APPROVED

apatel
6/26/2018 11:59:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 59.54 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024863.D

Acq: 23 Jun 2018 03:54

Tgt Ion:	180	Resp:	197512
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.7
145	31.8	15.4	46.1

