

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024581.D
 Acq On : 15 Jun 2018 07:54
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 6/15/2018 3:29:28 PM

Quant Time: Jun 15 08:42:48 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	164212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	264193	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	254216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156160	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	122630	45.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.48%	
35) Dibromofluoromethane	4.89	113	108111	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.62%	
50) Toluene-d8	7.57	98	395698	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	10.31	95	155622	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	87688	42.662	ug/l	100
3) Chloromethane	1.33	50	93980	44.754	ug/l	100
4) Vinyl Chloride	1.40	62	105119	48.540	ug/l	99
5) Bromomethane	1.63	94	55655	53.162	ug/l	97
6) Chloroethane	1.70	64	65312	54.057	ug/l	98
7) Trichlorofluoromethane	1.89	101	158387	47.925	ug/l	97
8) Diethyl Ether	2.10	74	59468	52.986	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	89970	43.880	ug/l	97
10) Methyl Iodide	2.41	142	66668	39.646	ug/l	98
11) Tert butyl alcohol	2.82	59	121532	186.401	ug/l	99
12) 1,1-Dichloroethene	2.29	96	87158	46.614	ug/l	90
13) Acrolein	2.19	56	67164	196.169	ug/l	99
14) Allyl chloride	2.60	41	139404	40.154	ug/l	95
15) Acrylonitrile	2.94	53	301646	237.792	ug/l	99
16) Acetone	2.32	43	242644	168.457	ug/l	96
17) Carbon Disulfide	2.48	76	272614	45.533	ug/l	99
18) Methyl Acetate	2.62	43	147965	47.918	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	324244	46.133	ug/l	98
20) Methylene Chloride	2.71	84	101349	44.843	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	97863	47.520	ug/l	94
22) Diisopropyl ether	3.57	45	322022	46.791	ug/l	96
23) Vinyl Acetate	3.53	43	1415659	229.629	ug/l	98
24) 1,1-Dichloroethane	3.45	63	182715	46.151	ug/l	99
25) 2-Butanone	4.26	43	425468	219.907	ug/l	95
26) 2,2-Dichloropropane	4.24	77	98315	26.152	ug/l	94
27) cis-1,2-Dichloroethene	4.23	96	112712	47.606	ug/l	92
28) Bromochloromethane	4.55	49	89293	51.205	ug/l	85
29) Tetrahydrofuran	4.64	42	282970	236.175	ug/l	97
30) Chloroform	4.68	83	185755	46.355	ug/l	100
31) Cyclohexane	5.00	56	168738	47.912	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	169296	45.686	ug/l	96
36) 1,1-Dichloropropene	5.14	75	138292	44.546	ug/l	96
37) Ethyl Acetate	4.38	43	164406	48.588	ug/l #	96
38) Carbon Tetrachloride	5.14	117	154354	45.214	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	166253	42.914	ug/l	96
40) Benzene	5.39	78	415400	46.959	ug/l	100
41) Methacrylonitrile	4.54	41	88710	48.626	ug/l	96
42) 1,2-Dichloroethane	5.41	62	148493	44.075	ug/l	98
43) Isopropyl Acetate	5.55	43	266495	45.564	ug/l	98
44) Trichloroethene	6.19	130	117719	46.759	ug/l	93
45) 1,2-Dichloropropane	6.44	63	112798	47.789	ug/l	98
46) Dibromomethane	6.56	93	79187	47.763	ug/l	93
47) Bromodichloromethane	6.76	83	152371	46.153	ug/l	99
48) Methyl methacrylate	6.63	41	128840	45.239	ug/l	97
49) 1,4-Dioxane	6.61	88	44447	798.022	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	869748	236.698	ug/l	98
52) Toluene	7.64	92	266460	46.819	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	159283	42.962	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	167675	42.443	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	107573	46.500	ug/l	98
56) Ethyl methacrylate	8.02	69	183693	47.441	ug/l	97
57) 1,3-Dichloropropane	8.25	76	186682	47.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	354196	238.771	ug/l	95
59) 2-Hexanone	8.36	43	675317	225.114	ug/l	99
60) Dibromochloromethane	8.48	129	130728	45.315	ug/l	100
61) 1,2-Dibromoethane	8.59	107	121586	47.220	ug/l	98
64) Tetrachloroethene	8.23	164	120473	49.856	ug/l	98
65) Chlorobenzene	9.12	112	303739	46.770	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	113706	46.085	ug/l	97
67) Ethyl Benzene	9.25	91	524779	46.094	ug/l	97
68) m/p-Xylenes	9.38	106	406547	92.992	ug/l	96
69) o-Xylene	9.78	106	200796	46.409	ug/l	94
70) Styrene	9.80	104	331428	46.613	ug/l	99
71) Bromoform	9.96	173	109477	46.682	ug/l #	99
73) Isopropylbenzene	10.17	105	530445	44.243	ug/l	98
74) N-amyl acetate	10.01	43	250796	43.978	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	183686	45.720	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	152345m	44.311	ug/l	
77) Bromobenzene	10.45	156	141273	46.544	ug/l	94
78) n-propylbenzene	10.59	91	623658	44.158	ug/l	96
79) 2-Chlorotoluene	10.66	91	368648	44.262	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	457096	43.987	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	53662m	36.124	ug/l	
82) 4-Chlorotoluene	10.78	91	435991	44.976	ug/l	98
83) tert-Butylbenzene	11.10	119	437673	43.785	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	468836	44.271	ug/l	99
85) sec-Butylbenzene	11.33	105	551295	44.060	ug/l	97
86) p-Isopropyltoluene	11.48	119	491013	43.816	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	257863	45.984	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	258363	45.776	ug/l	99
89) n-Butylbenzene	11.89	91	439141	44.139	ug/l	97
90) Hexachloroethane	12.15	117	91248	41.741	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	254548	45.319	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	47471	42.821	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	180208	51.956	ug/l	99
94) Hexachlorobutadiene	13.70	225	86173	44.140	ug/l	100
95) Naphthalene	13.74	128	554175	48.286	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	182452	52.791	ug/l	99

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

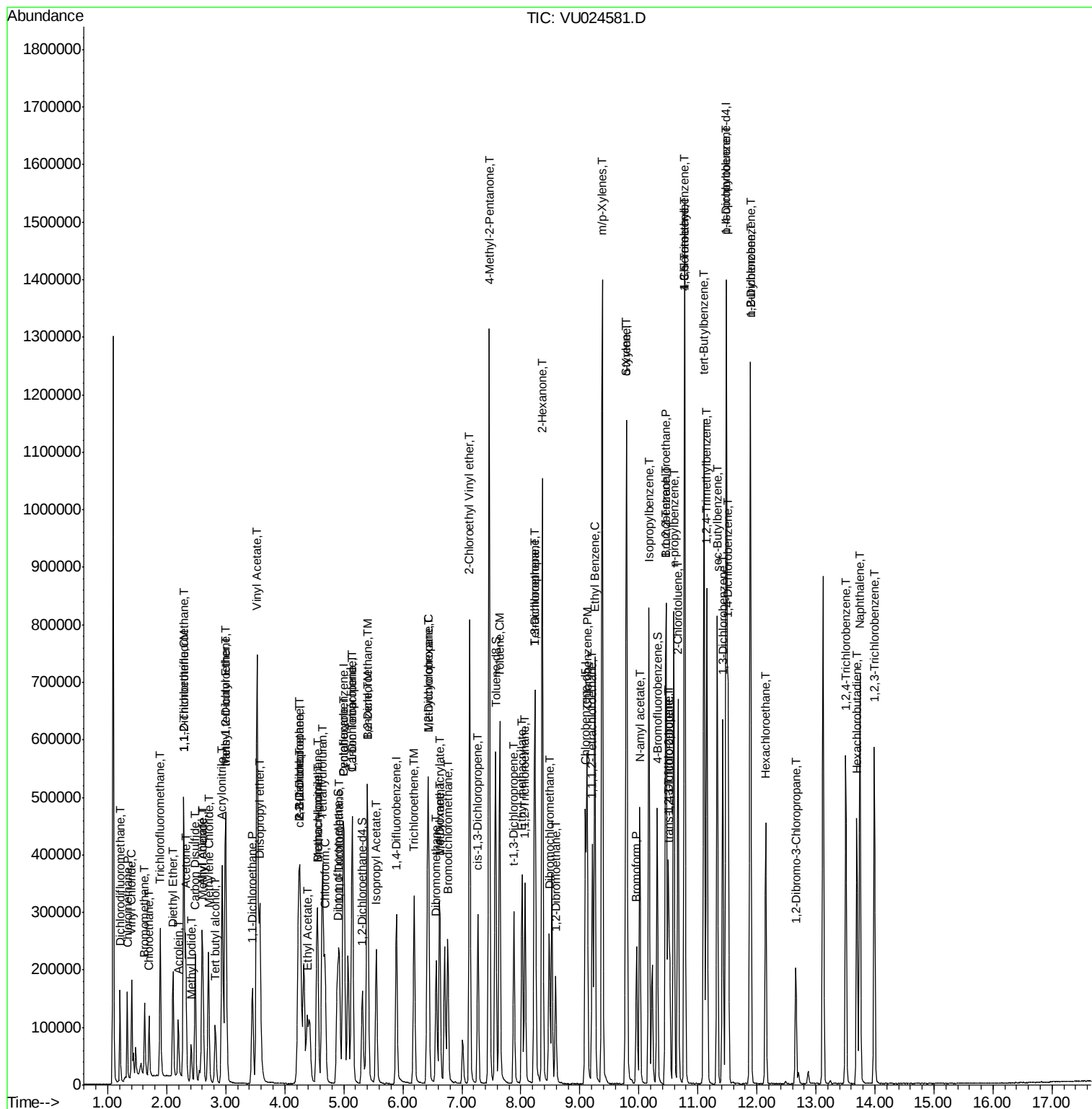
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Data File : VU024581.D
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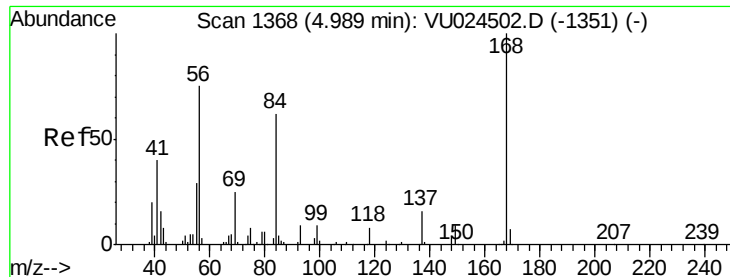
Instrument :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 164212

Ion Ratio Lower Upper

168 100

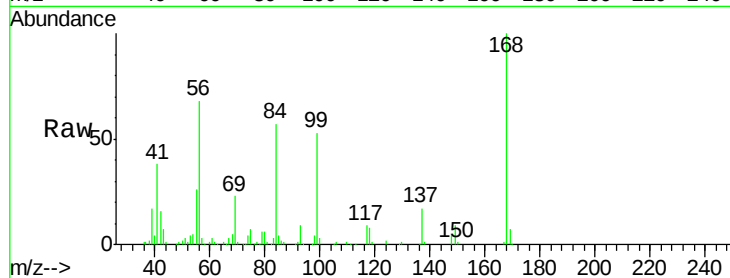
99 52.7 43.2 64.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

80000

60000

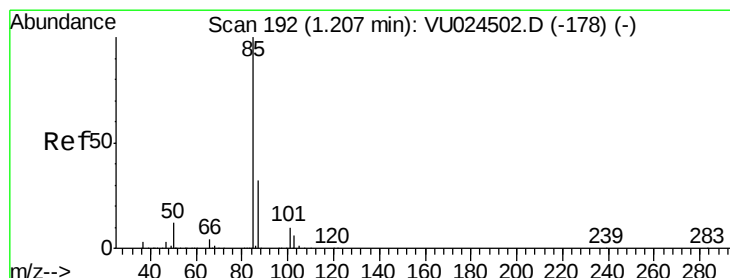
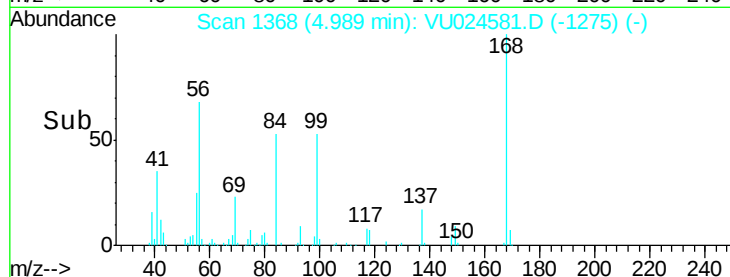
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.662 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024581.D

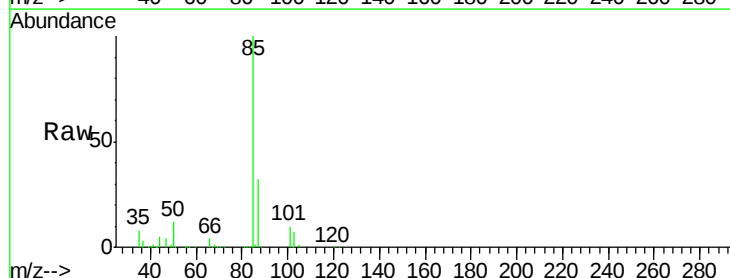
Acq: 15 Jun 2018 07:54

Tgt Ion: 85 Resp: 87688

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)

100000

80000

60000

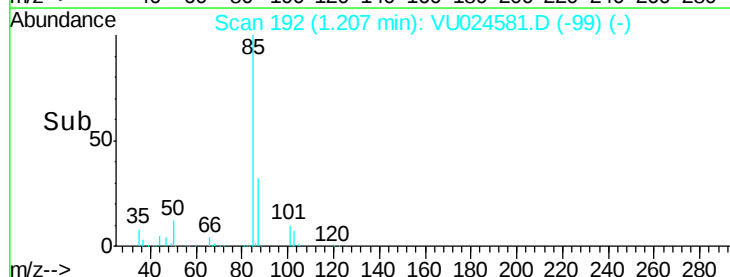
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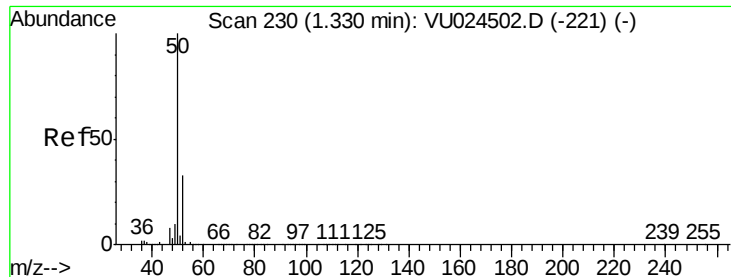
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 44.754 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 93980

Ion Ratio Lower Upper

50 100

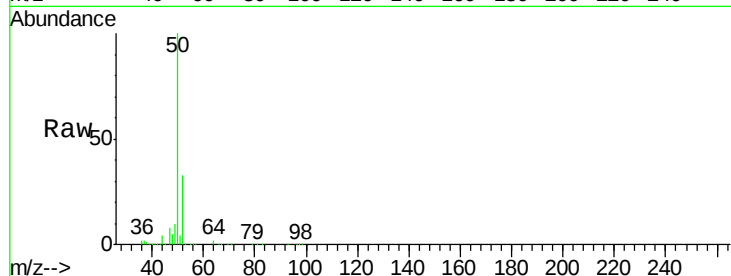
52 33.0 26.4 39.6

Manual Integrations

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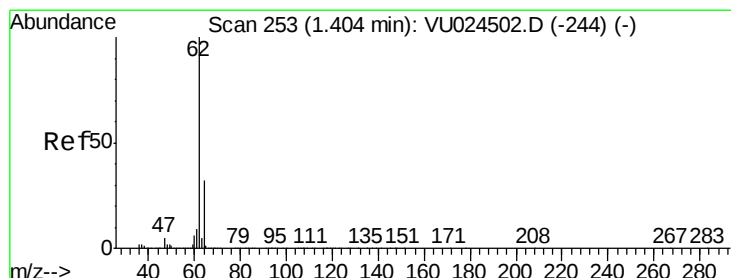
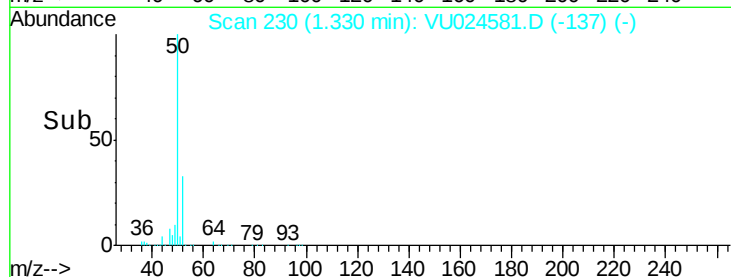
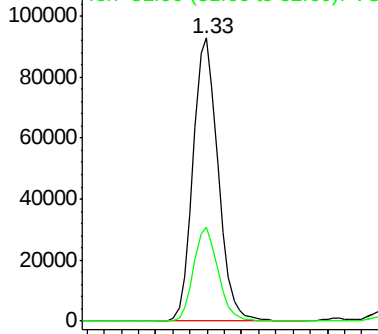
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 48.540 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024581.D

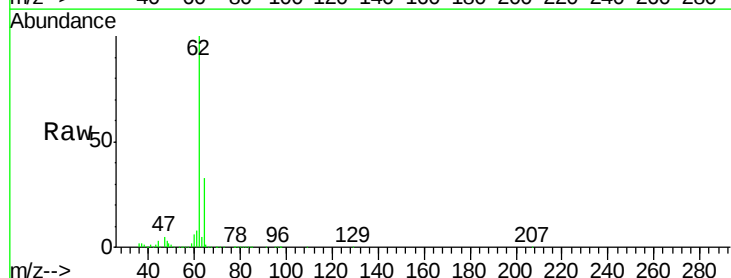
Acq: 15 Jun 2018 07:54

Tgt Ion: 62 Resp: 105119

Ion Ratio Lower Upper

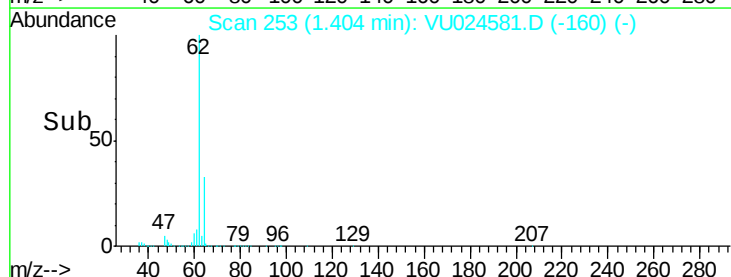
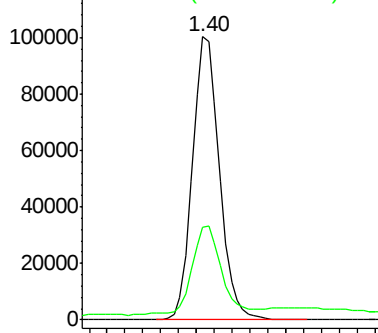
62 100

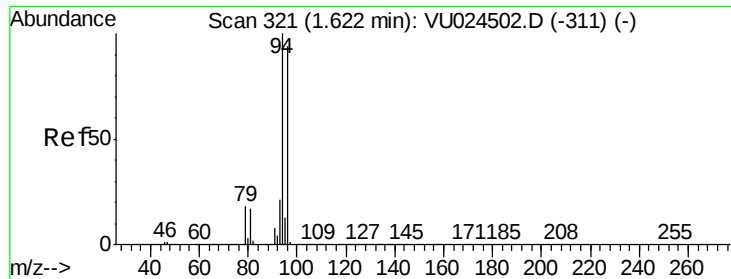
64 30.5 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 53.162 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tot Ion: 94 Resp: 55655

Ion Ratio Lower Upper

94 100

96 96.3 74.5 111.7

Instrument :

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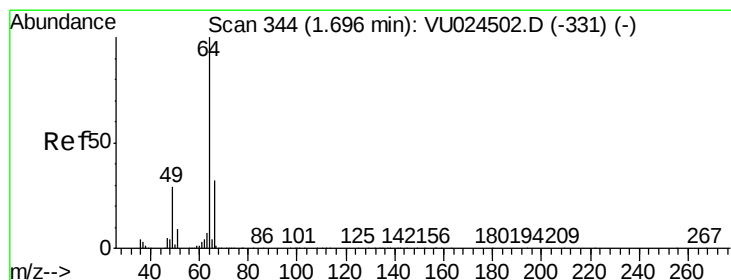
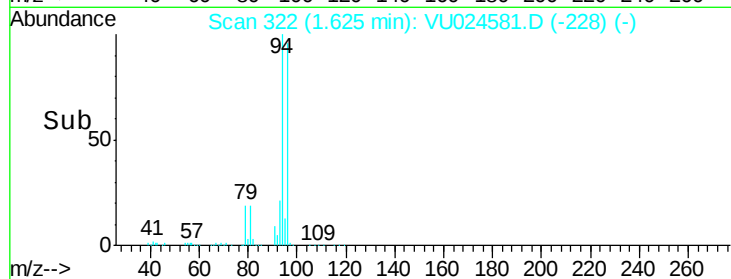
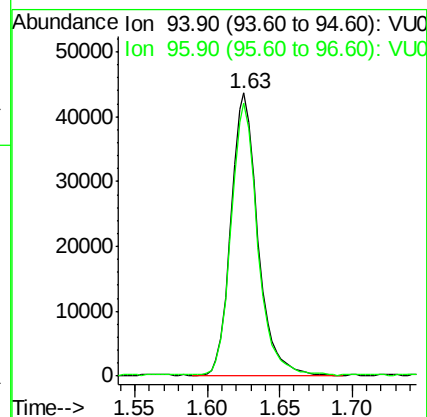
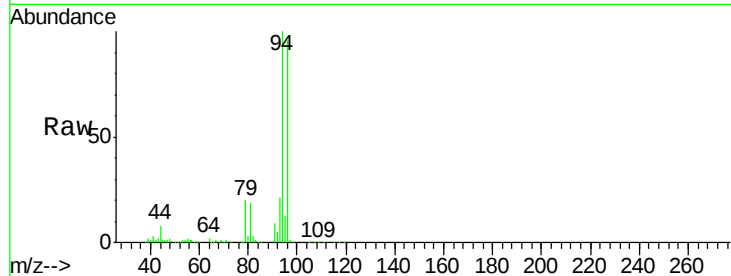
VSTDCCC050EC

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#6

Chloroethane

Concen: 54.057 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024581.D

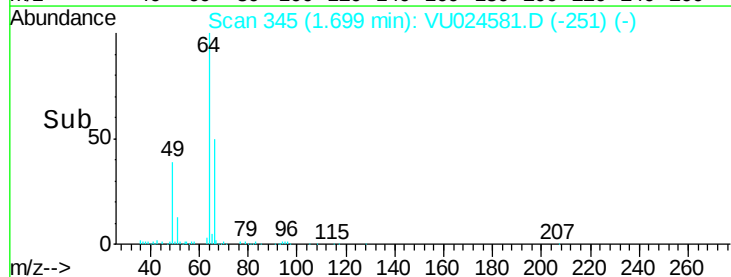
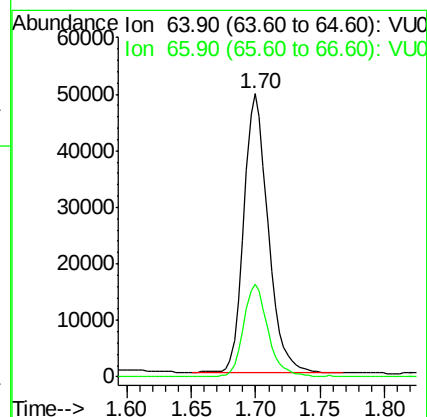
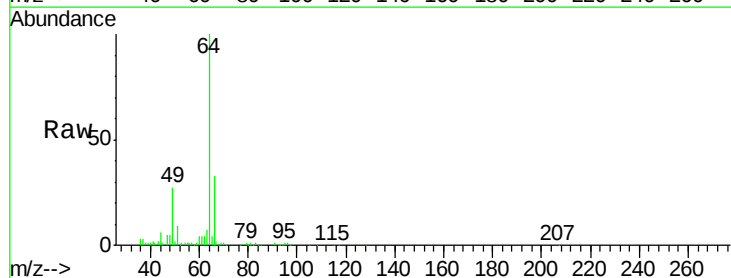
Acq: 15 Jun 2018 07:54

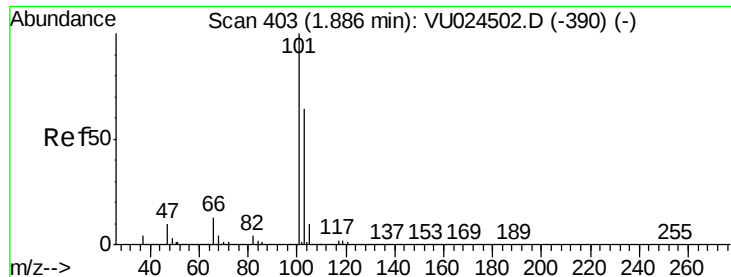
Tgt Ion: 64 Resp: 65312

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3





#7

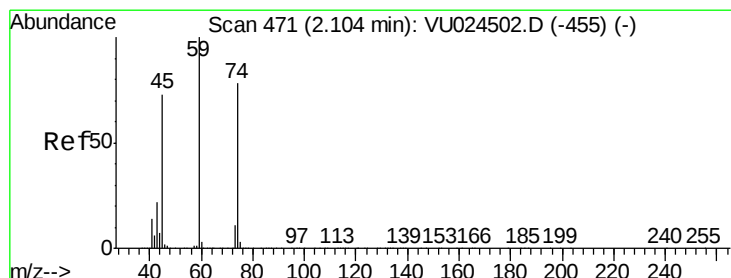
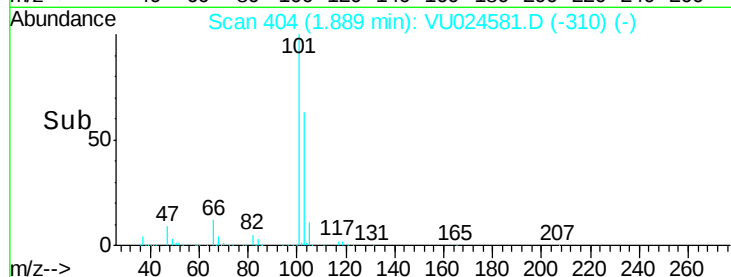
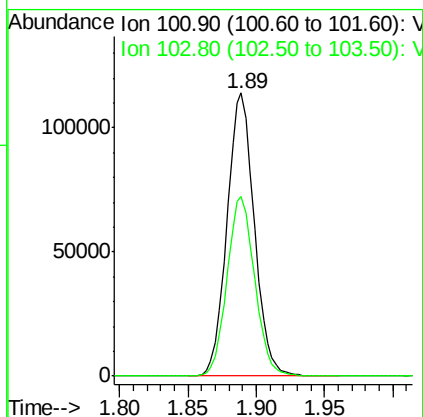
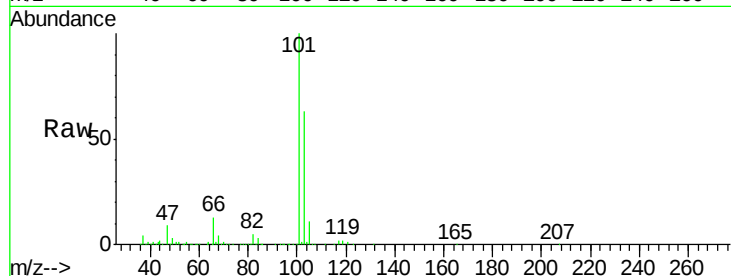
Trichlorofluoromethane
Concen: 47.925 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.3	78.5

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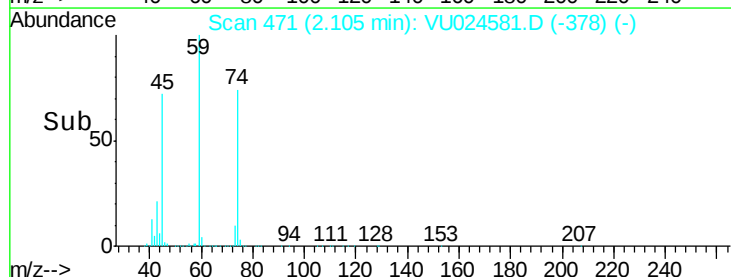
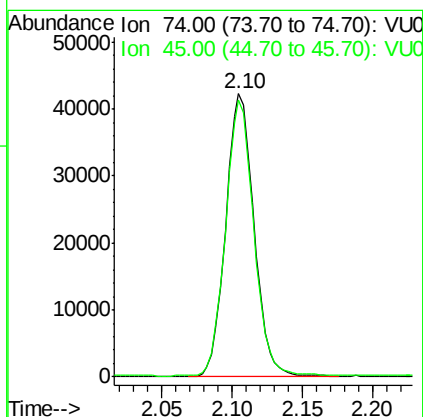
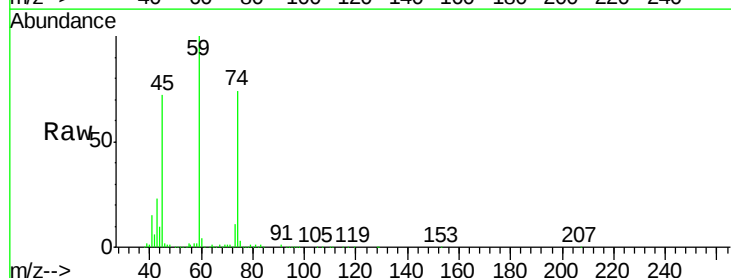
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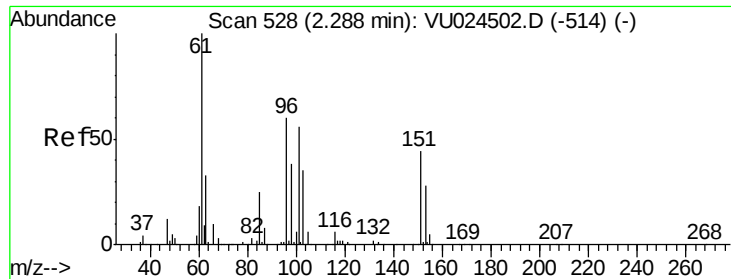


#8

Diethyl Ether
Concen: 52.986 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.880 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

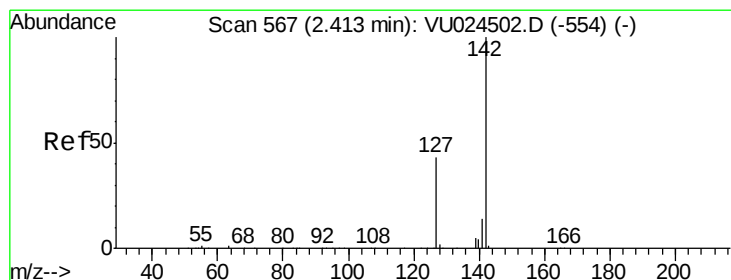
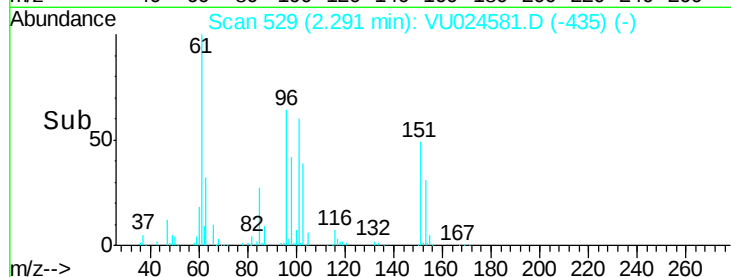
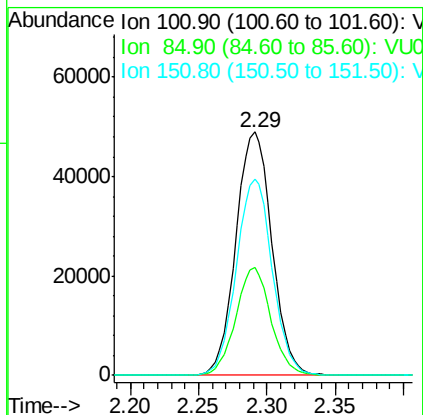
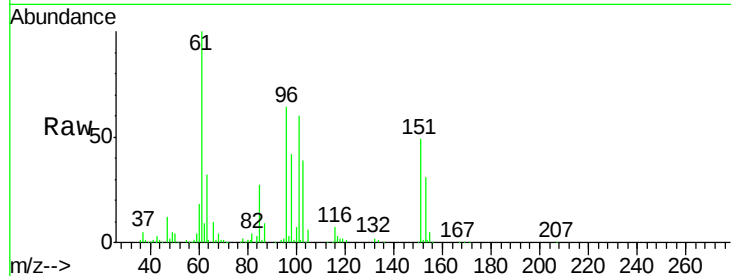
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	89970
Ion Ratio	Lower	Upper	
101	100		
85	43.3	36.0	54.0
151	80.4	62.3	93.5

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#10

Methyl Iodide

Concen: 39.646 ug/l

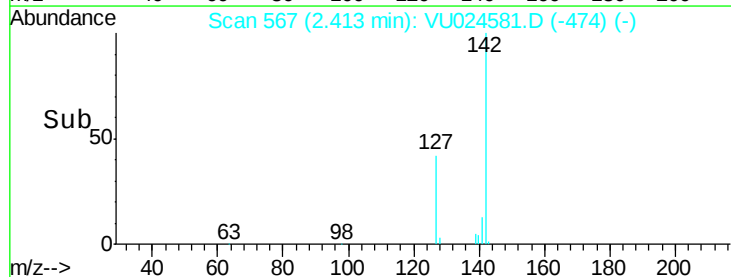
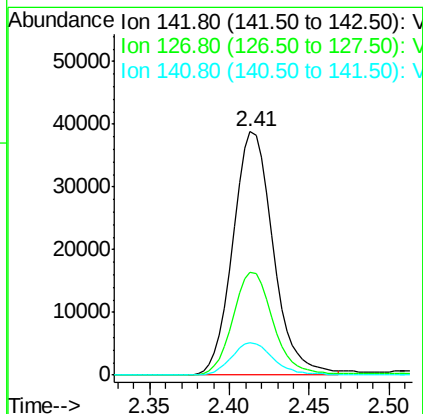
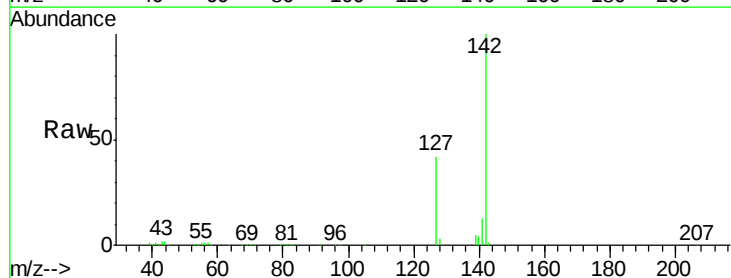
RT: 2.41 min Scan# 567

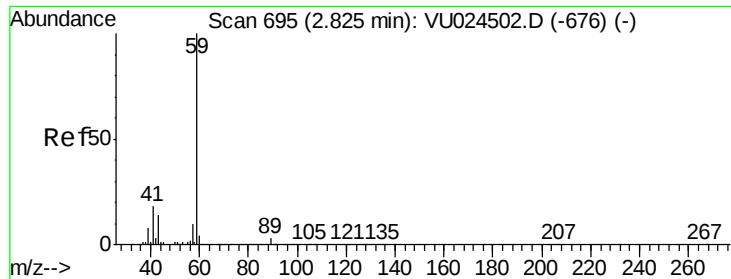
Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion:	142	Resp:	66668
Ion Ratio	Lower	Upper	
142	100		
127	42.7	35.6	53.4
141	13.9	11.7	17.5





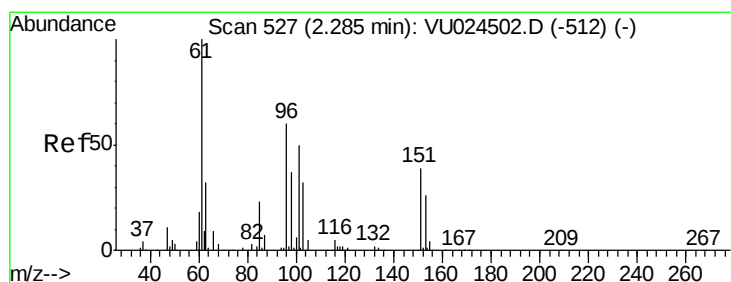
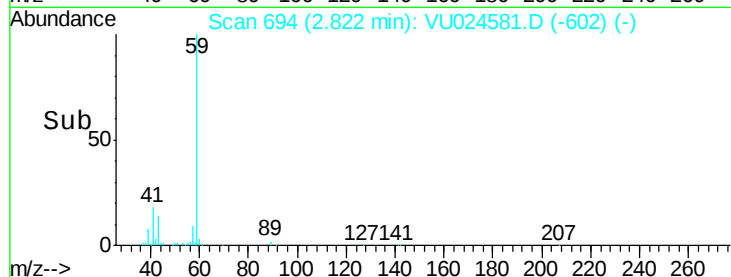
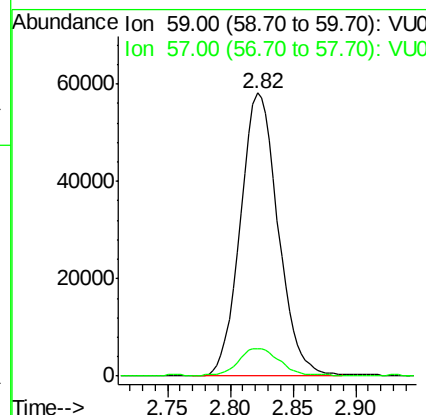
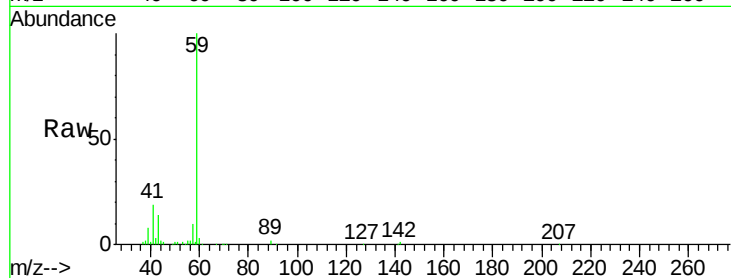
#11
Tert butyl alcohol
Concen: 186.401 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

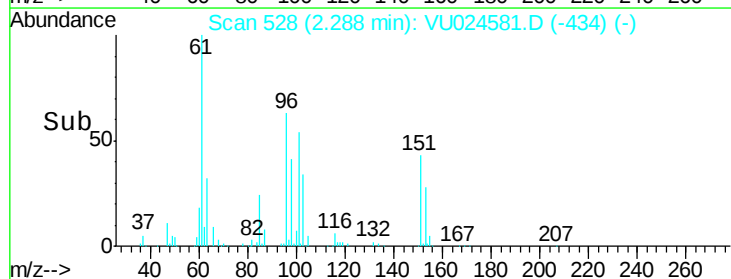
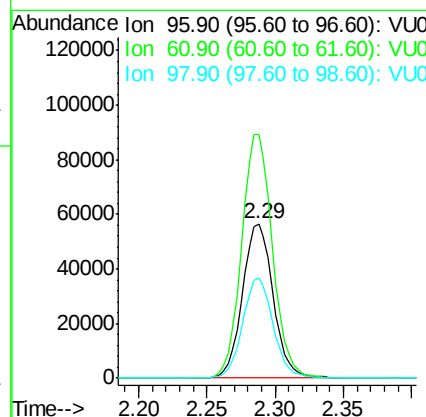
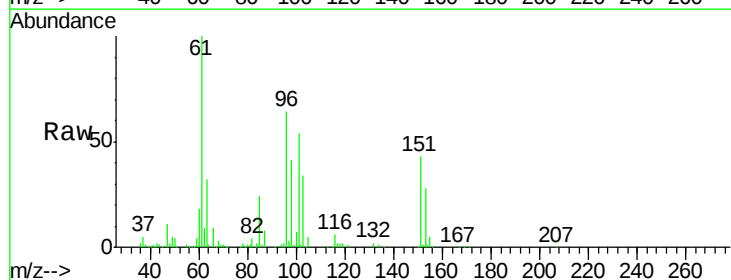
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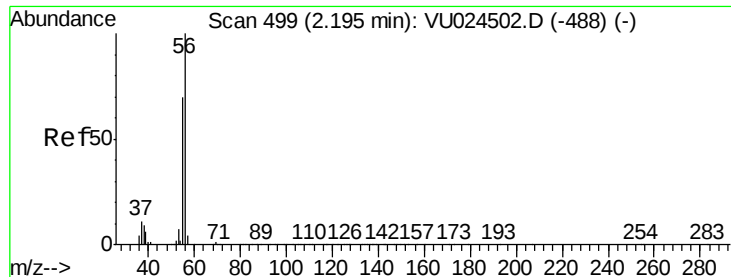
apatel
6/15/2018 3:29:28 PM



#12
1,1-Dichloroethene
Concen: 46.614 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	141.7	212.5
98	64.7	51.6	77.4





#13

Acrolein

Concen: 196.169 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 67164

Ion Ratio Lower Upper

56 100

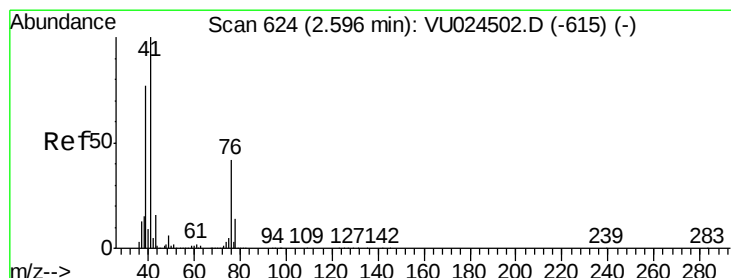
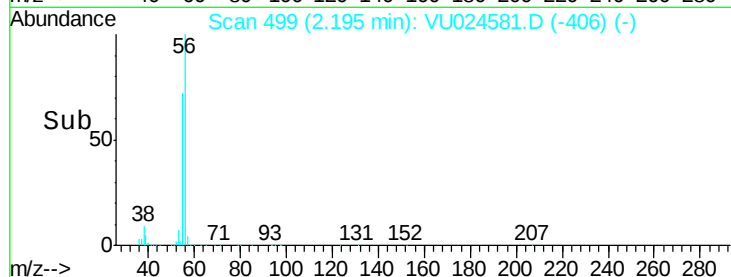
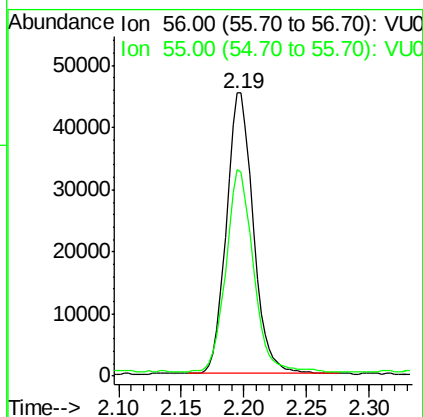
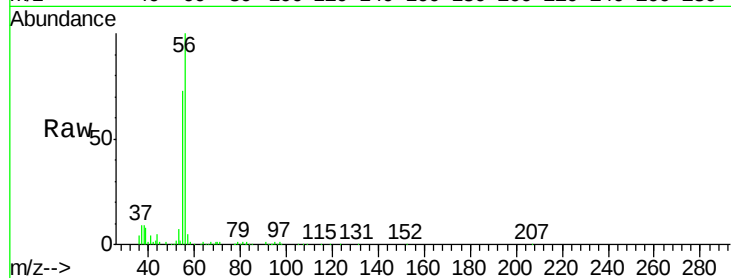
55 74.1 58.4 87.6

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#14

Allyl chloride

Concen: 40.154 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

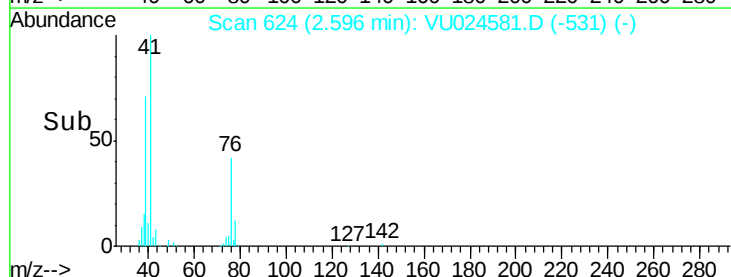
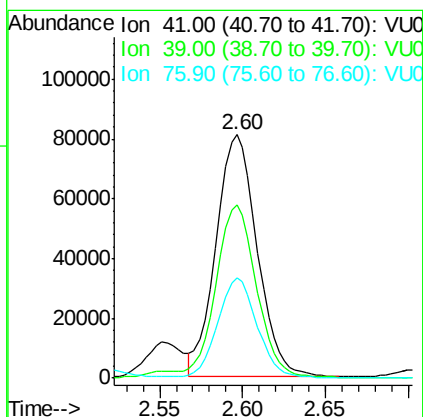
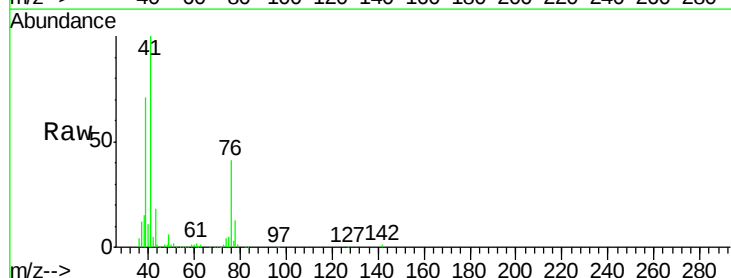
Tgt Ion: 41 Resp: 139404

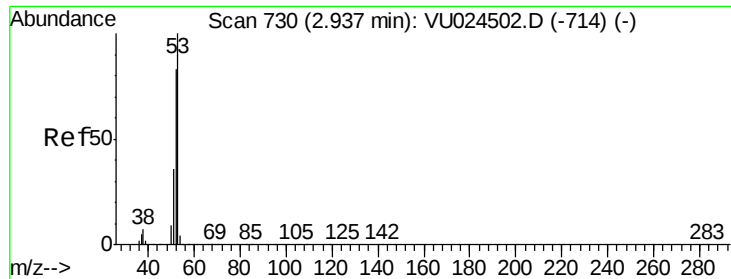
Ion Ratio Lower Upper

41 100

39 72.3 61.6 92.4

76 39.5 29.7 44.5





#15

Acrylonitrile

Concen: 237.792 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

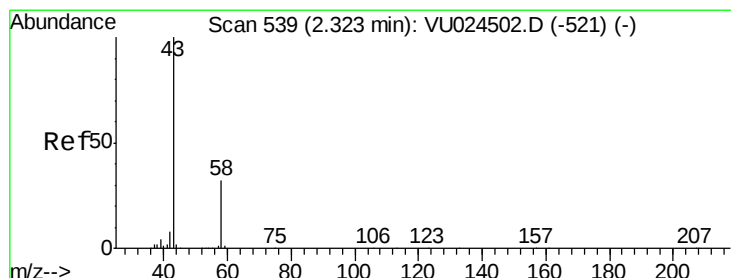
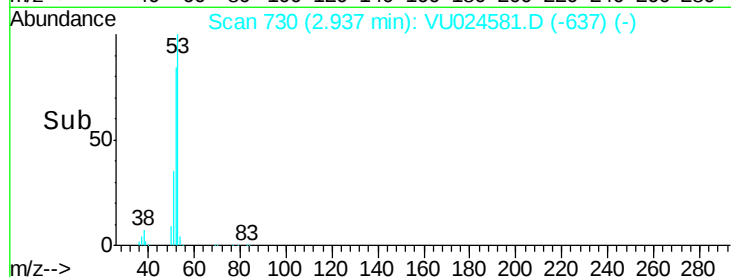
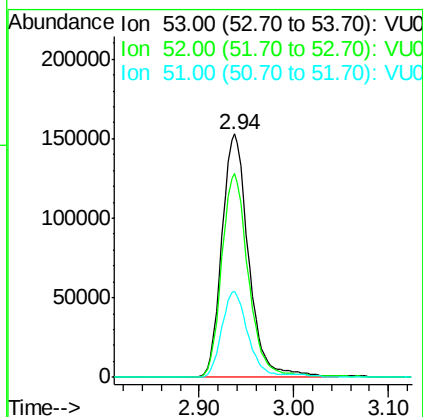
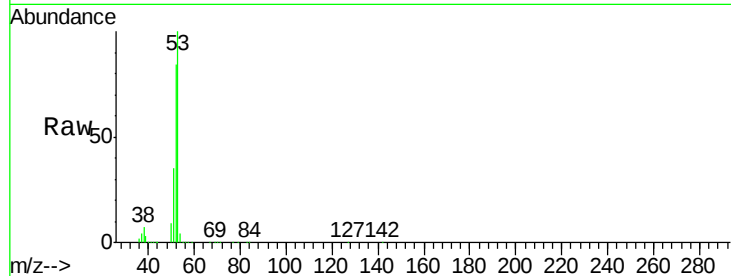
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	301646
Ion Ratio	Lower	Upper	
53	100		
52	83.2	67.1	100.7
51	34.2	28.4	42.6

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#16

Acetone

Concen: 168.457 ug/l

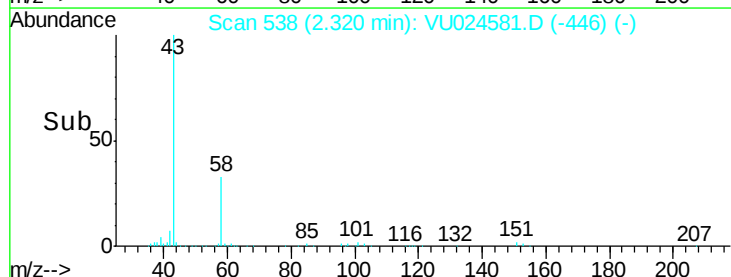
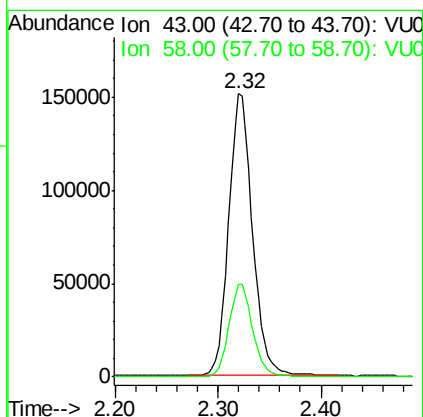
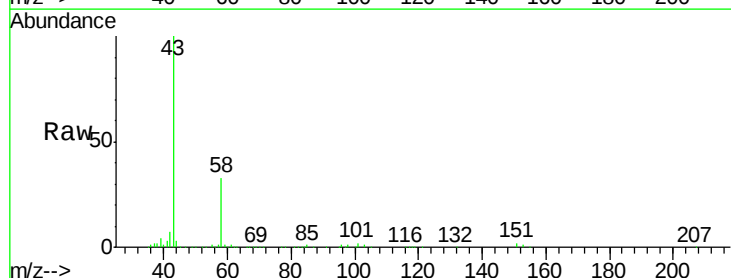
RT: 2.32 min Scan# 538

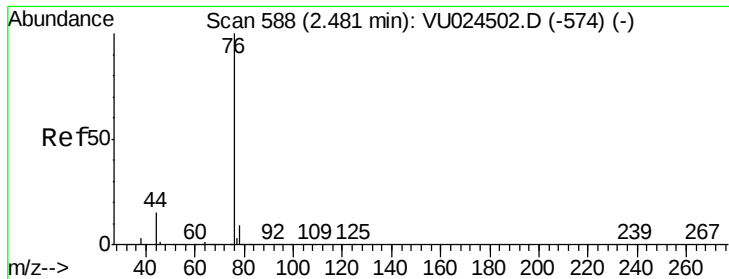
Delta R.T. -0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion:	43	Resp:	242644
Ion Ratio	Lower	Upper	
43	100		
58	32.6	24.4	36.6





#17

Carbon Disulfide

Concen: 45.533 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 272614

Ion Ratio Lower Upper

76 100

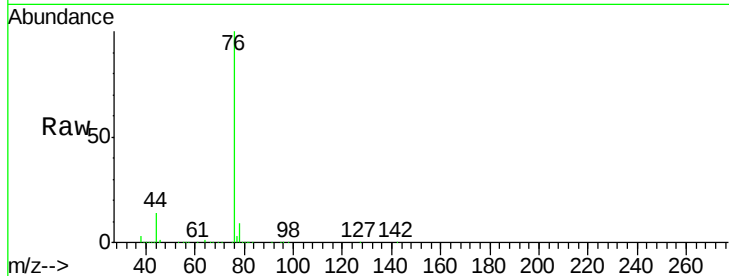
78 9.3 7.1 10.7

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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

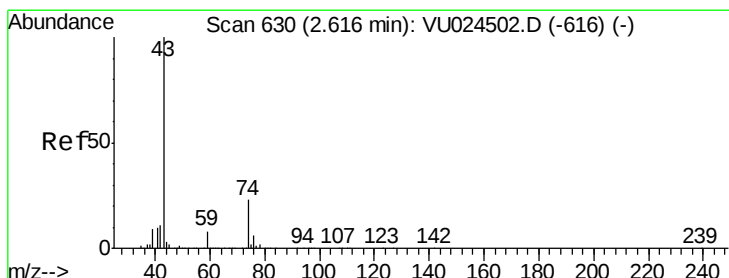
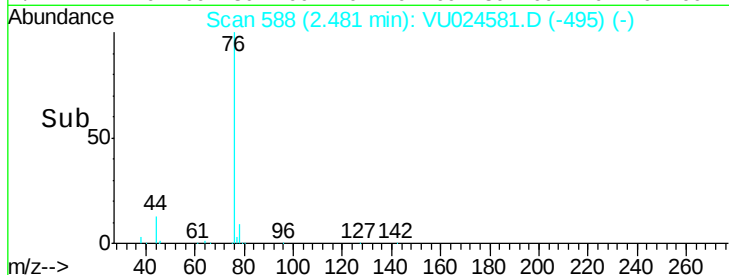
100000

50000

0

Time-->

2.40 2.45 2.50 2.55 2.60



#18

Methyl Acetate

Concen: 47.918 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024581.D

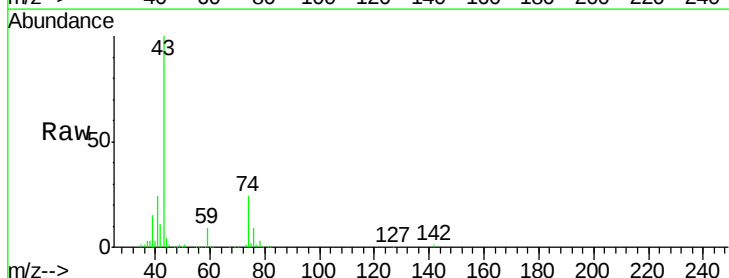
Acq: 15 Jun 2018 07:54

Tgt Ion: 43 Resp: 147965

Ion Ratio Lower Upper

43 100

74 23.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

100000

80000

60000

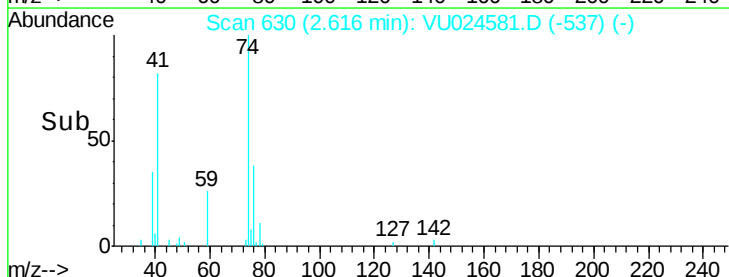
40000

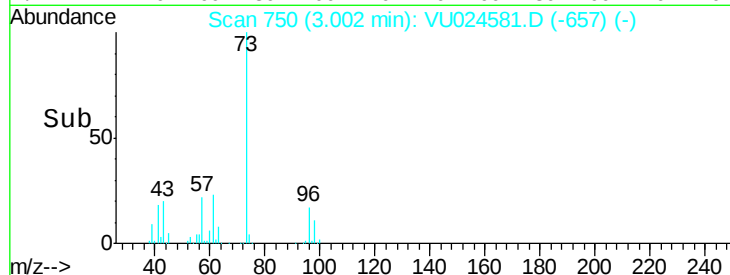
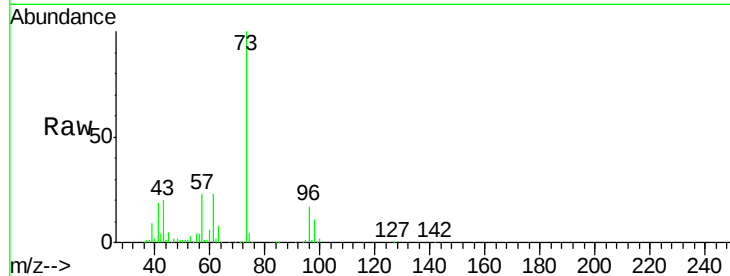
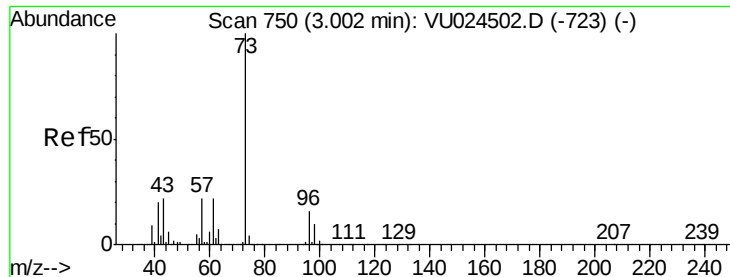
20000

0

Time-->

2.55 2.60 2.65 2.70





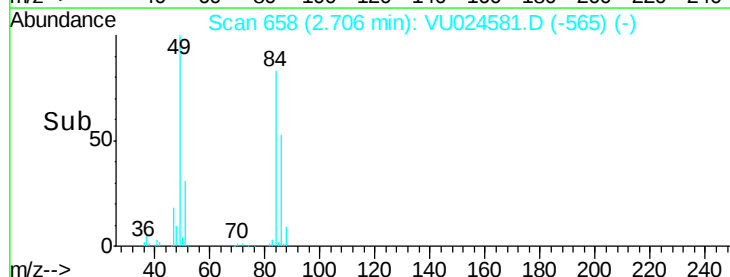
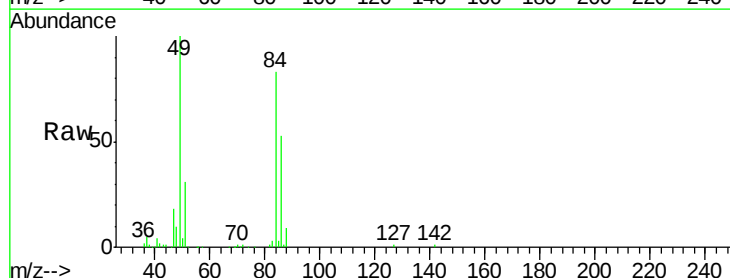
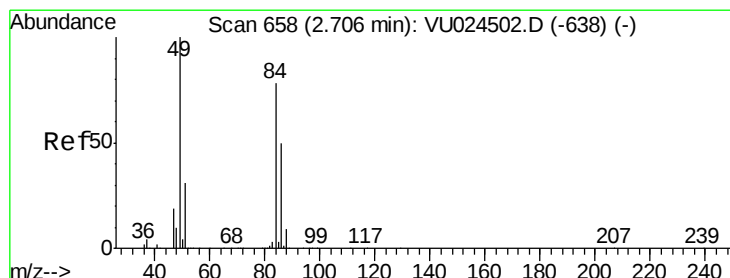
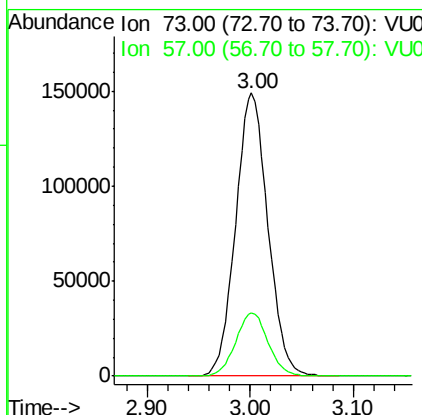
#19
Methvl tert-butvl Ether
Concen: 46.133 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tot Ion	73	Resp	324244
Ion Ratio	100	Lower	Upper
73	100		
57	22.4	18.8	28.2

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

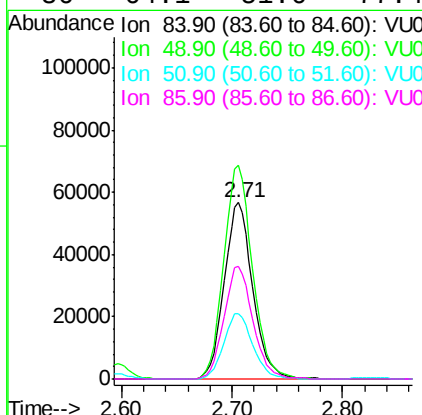
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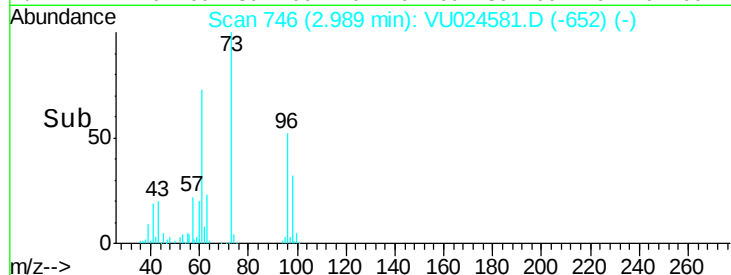
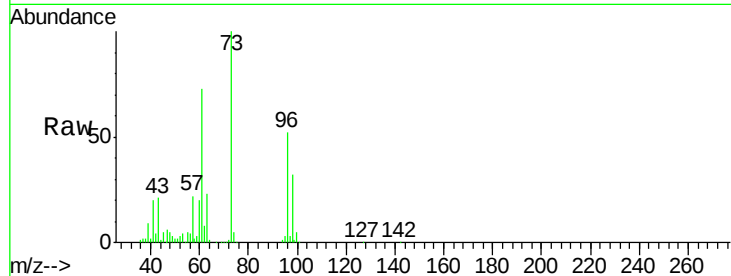
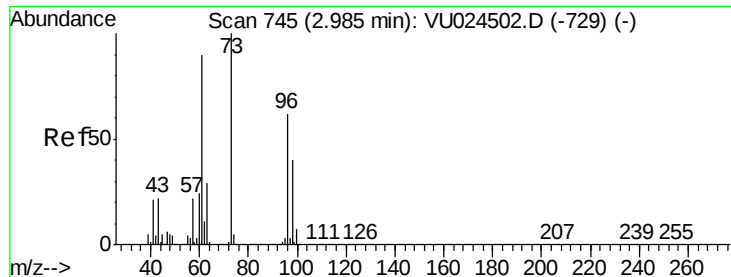
apatel
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#20
Methylene Chloride
Concen: 44.843 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	84	Resp	101349
Ion Ratio	100	Lower	Upper
84	100		
49	121.0	103.8	155.8
51	37.0	32.0	48.0
86	64.1	51.6	77.4





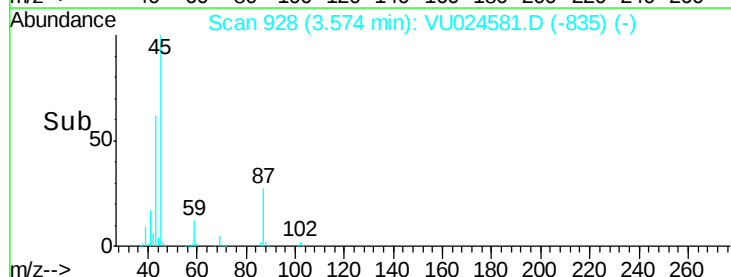
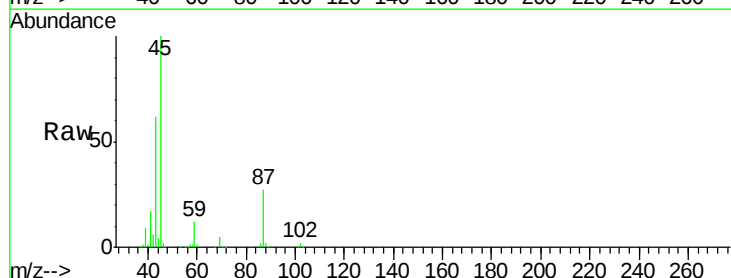
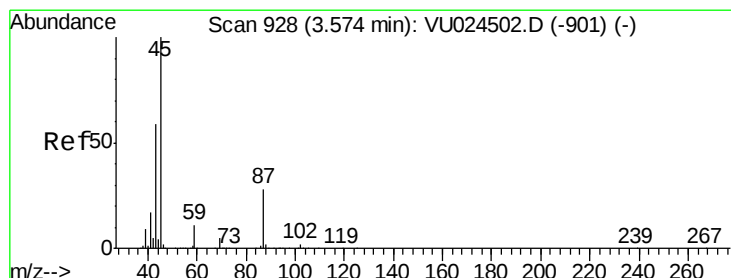
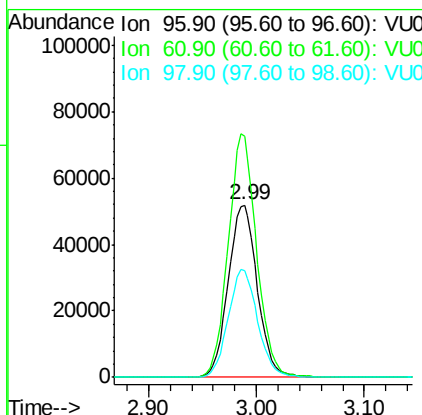
#21
trans-1,2-Dichloroethene
Concen: 47.520 ug/l
RT: 2.99 min Scan# 746
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	119.4	179.0
98	61.9	51.1	76.7

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

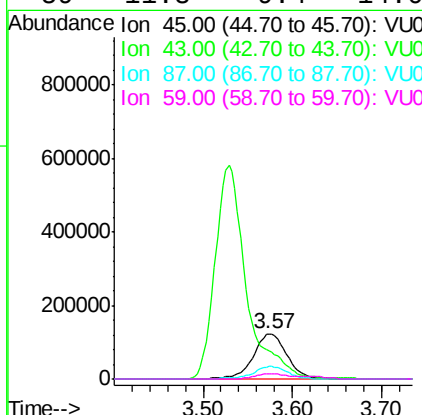
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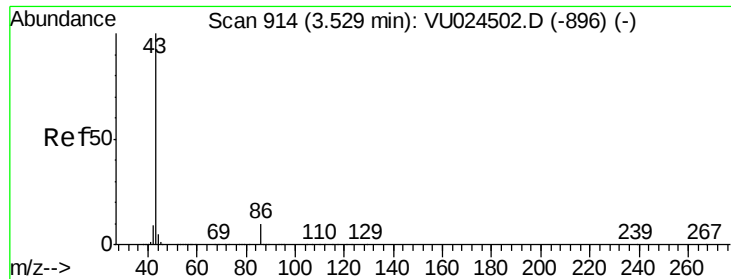
apatel
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#22
Diisopropyl ether
Concen: 46.791 ug/l
RT: 3.57 min Scan# 928
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.2	45.8	68.6
87	27.2	20.6	31.0
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 229.629 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1415659

Ion Ratio Lower Upper

43 100

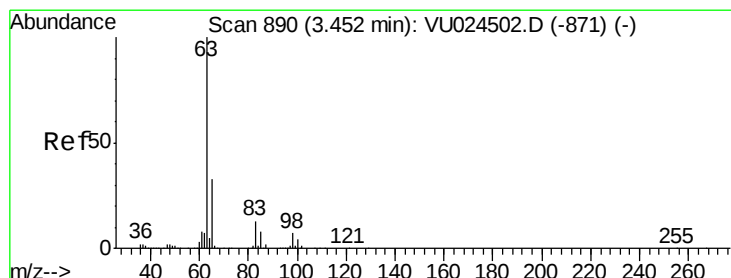
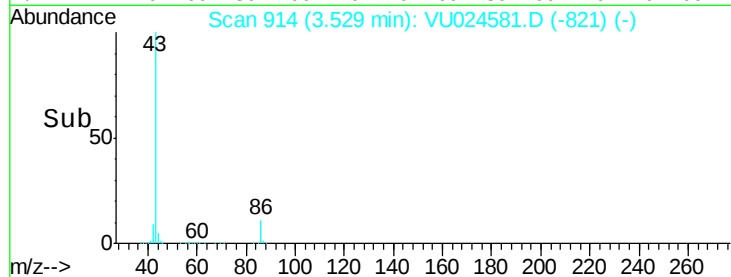
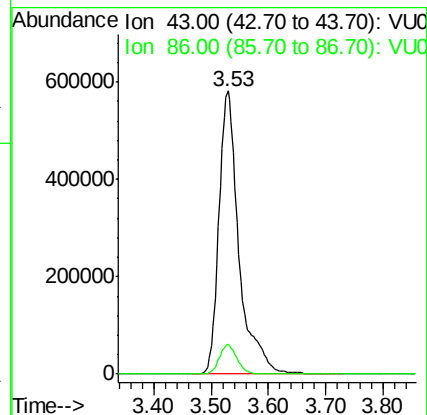
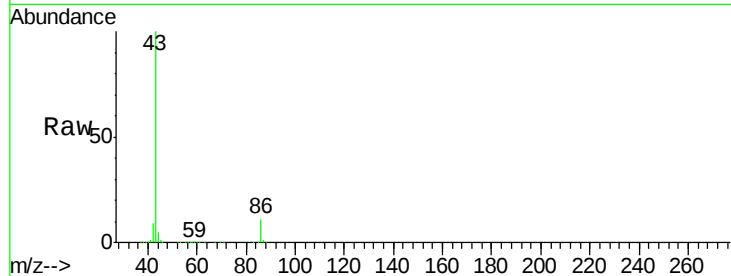
86 10.6 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 46.151 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

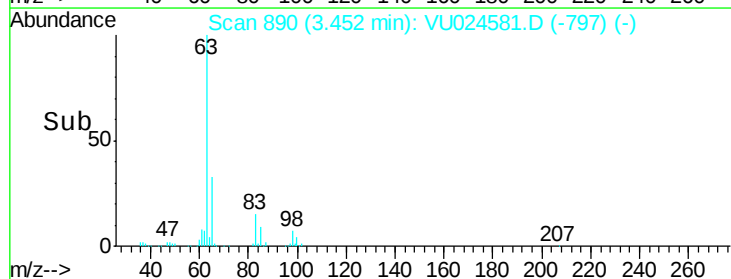
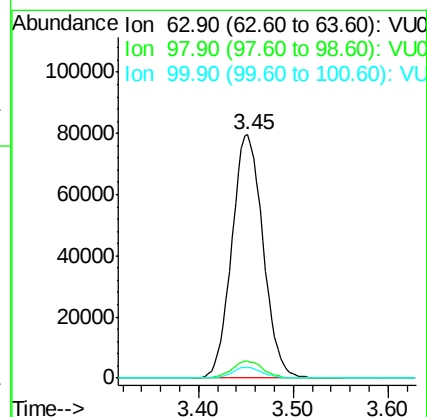
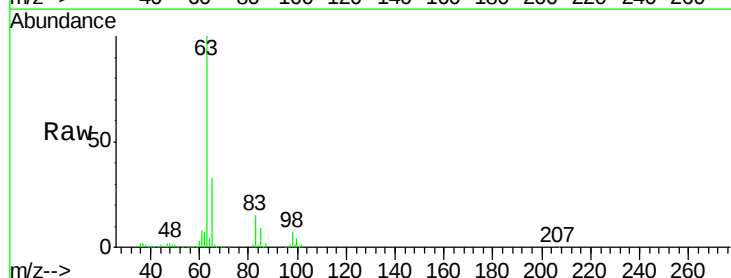
Tgt Ion: 63 Resp: 182715

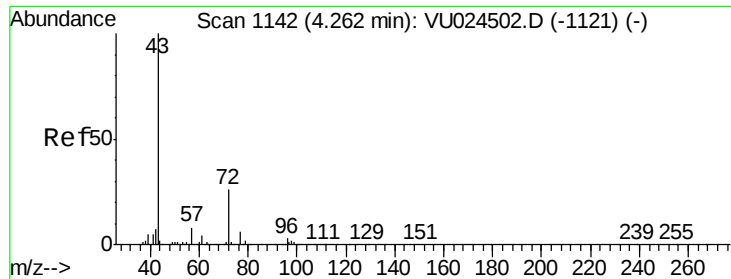
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.4 1.8 5.5





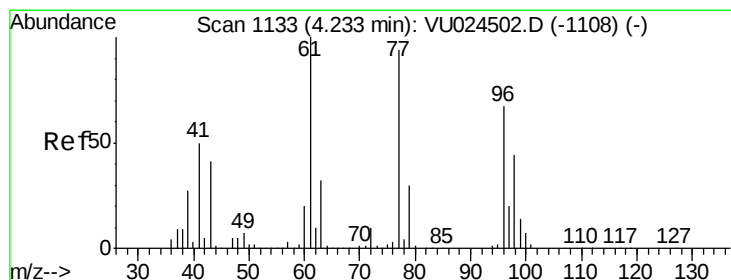
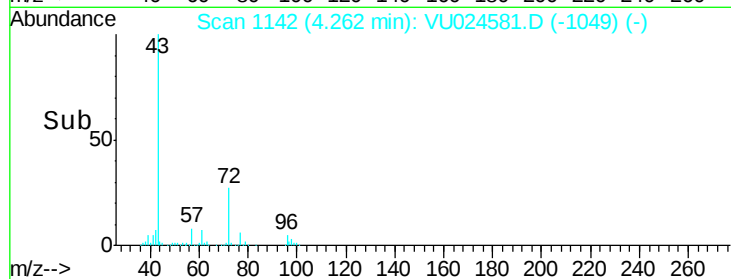
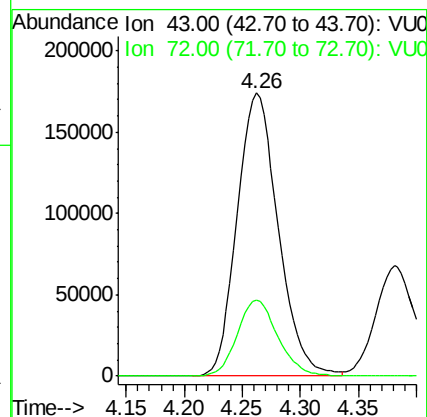
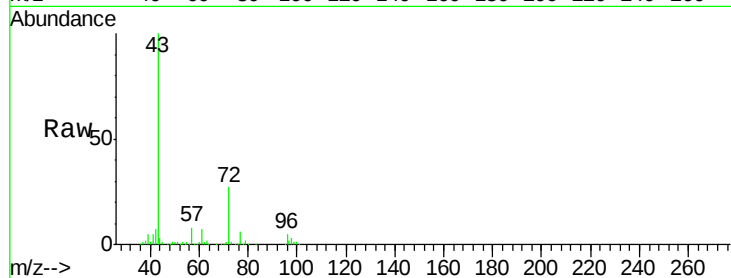
#25
2-Butanone
Concen: 219.907 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.8	19.6	29.4

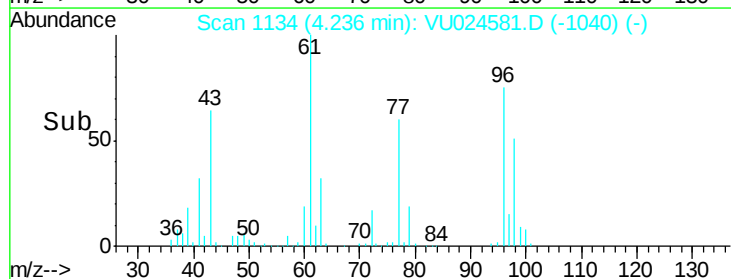
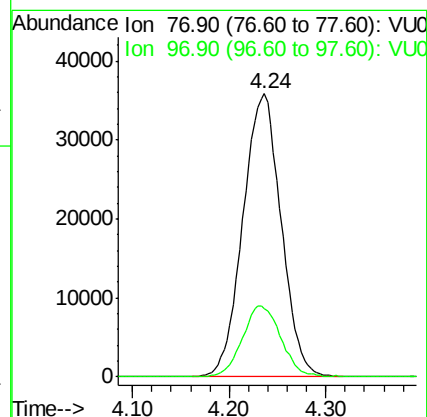
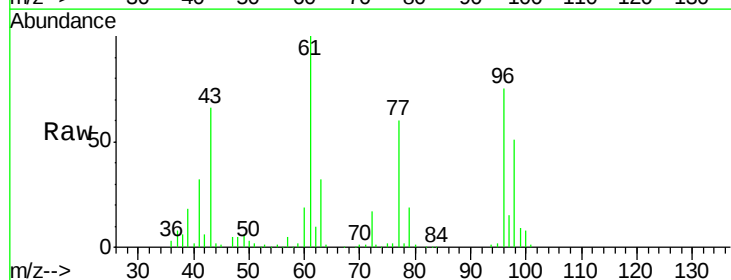
Manual Integrations
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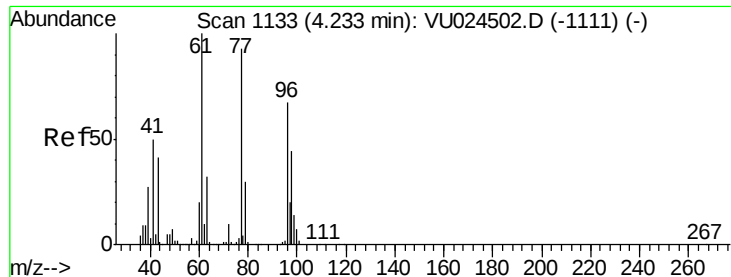
apatel
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#26
2,2-Dichloropropane
Concen: 26.152 ug/l
RT: 4.24 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.2	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 47.606 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

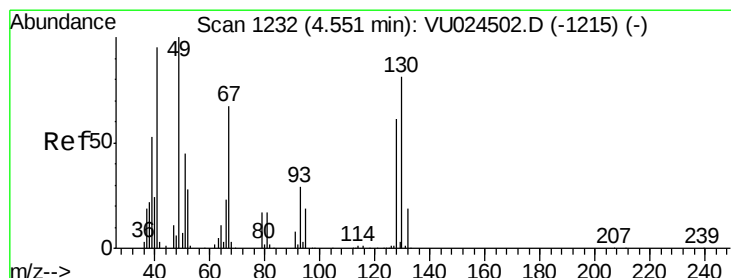
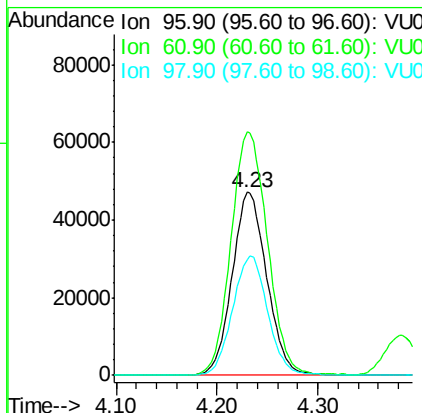
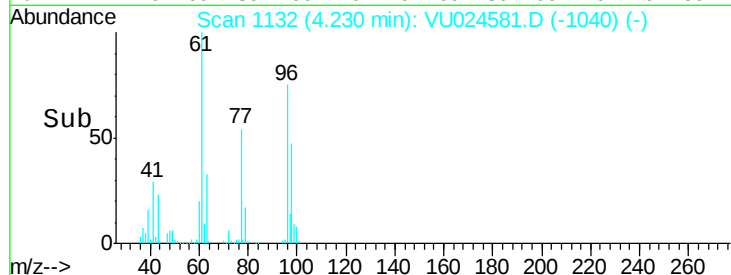
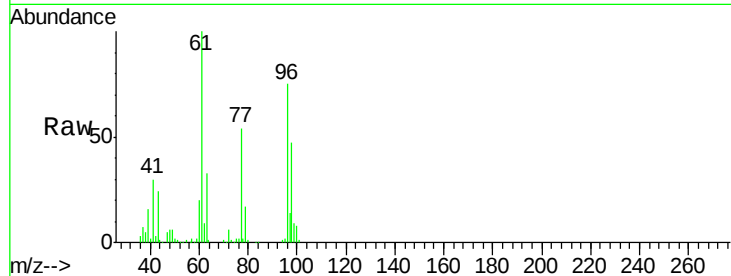
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	112712
Ion Ratio	Lower	Upper	
96	100		
61	139.7	0.0	306.6
98	65.9	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 51.205 ug/l

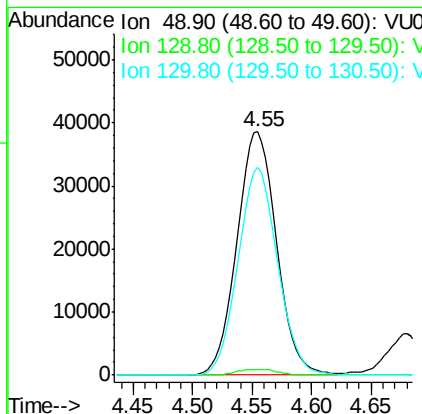
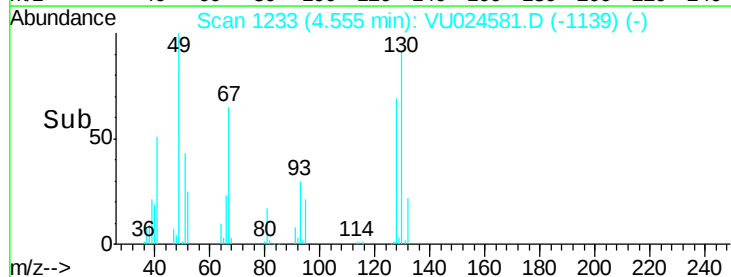
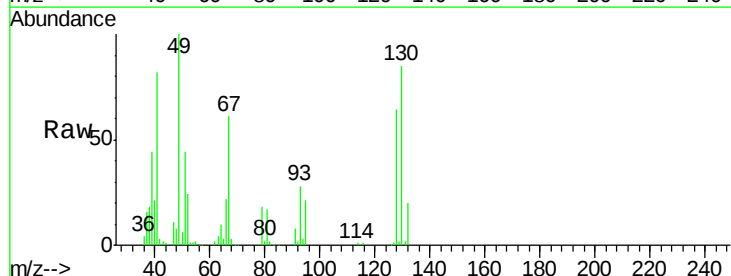
RT: 4.55 min Scan# 1233

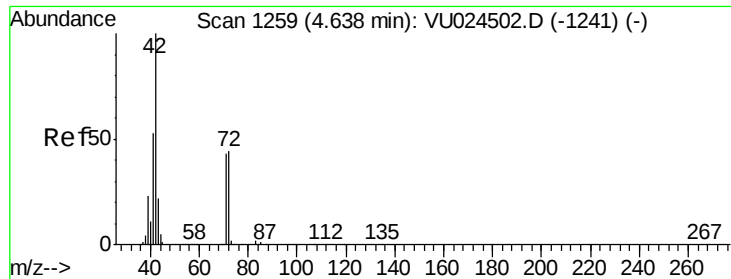
Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion:	49	Resp:	89293
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	3.8
130	84.9	57.8	86.6





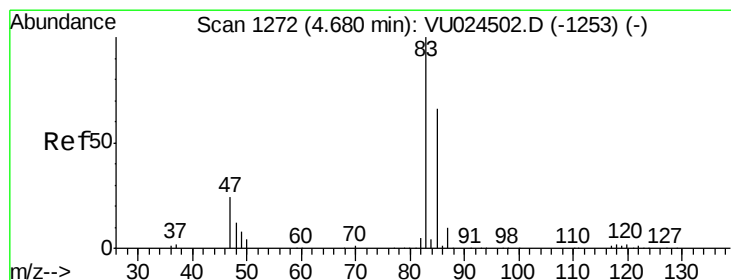
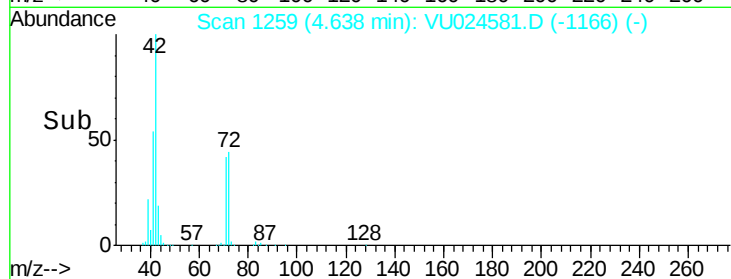
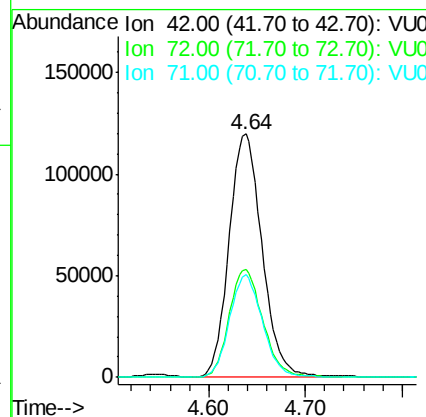
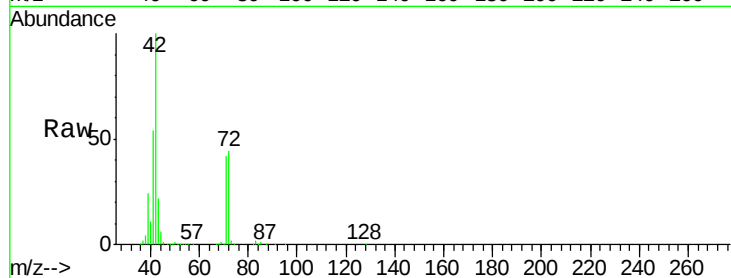
#29
Tetrahydrofuran
Concen: 236.175 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.5	51.7
71	42.2	32.2	48.4

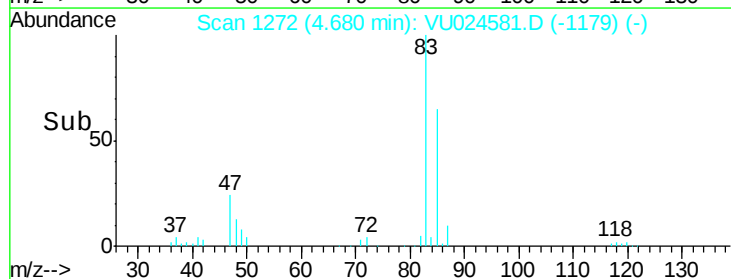
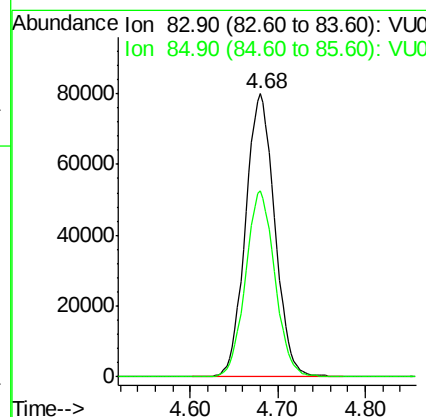
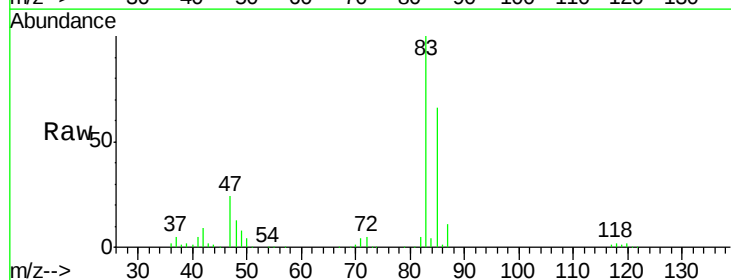
Manual Integrations
APPROVED

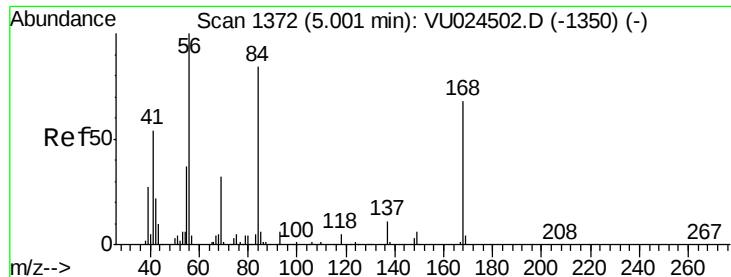
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#30
Chloroform
Concen: 46.355 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6





#31

Cyclohexane

Concen: 47.912 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

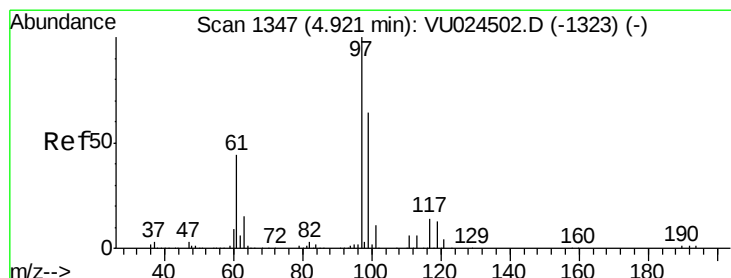
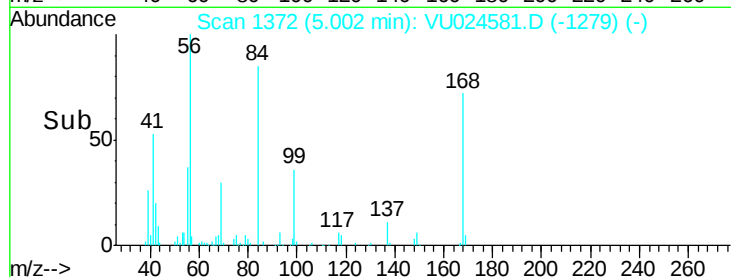
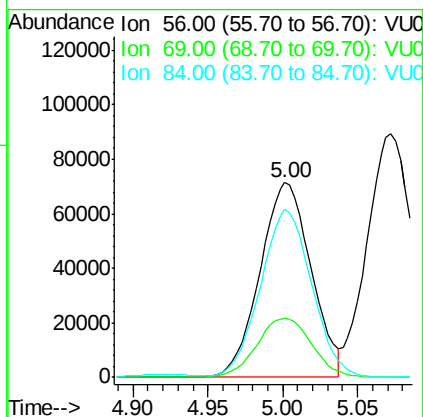
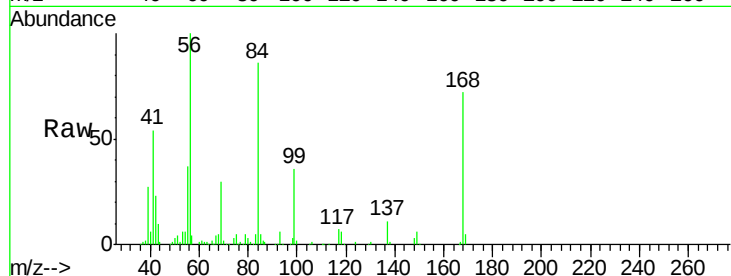
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	30.2	24.8	37.2	
84	85.2	65.2	97.8	

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#32

1,1,1-Trichloroethane

Concen: 45.686 ug/l

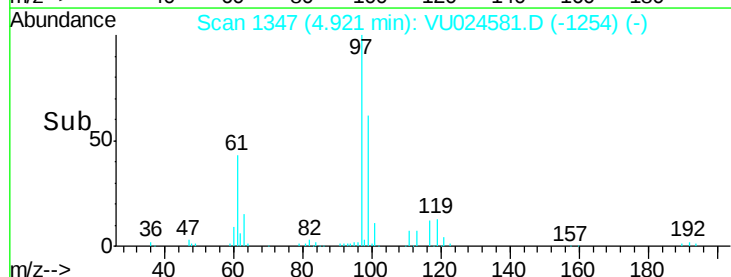
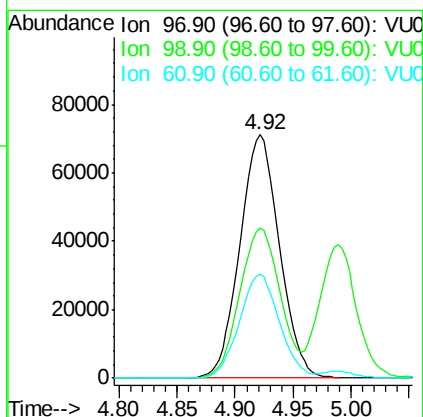
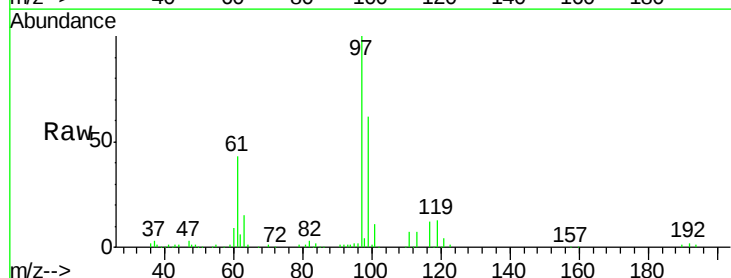
RT: 4.92 min Scan# 1347

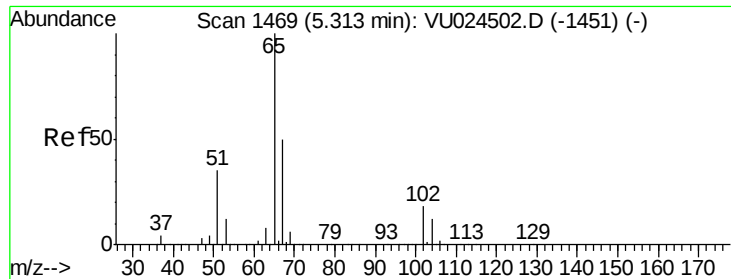
Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.3	51.0	76.6	
61	43.1	39.4	59.0	





#33

1,2-Dichloroethane-d4

Concen: 45.744 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tot Ion: 65 Resp: 122630

Ion Ratio Lower Upper

65 100

67 54.7 0.0 107.0

Instrument :

MSVOA_U

ClientSampleId :

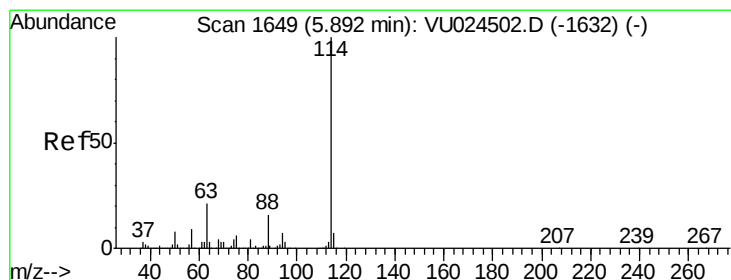
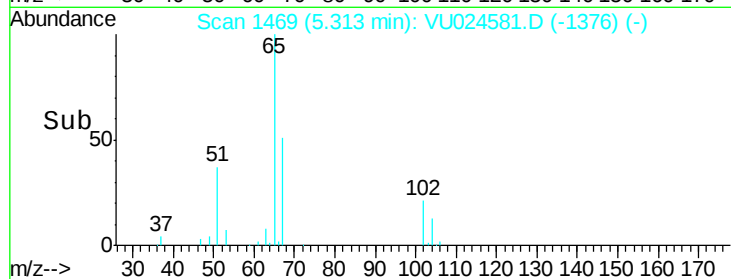
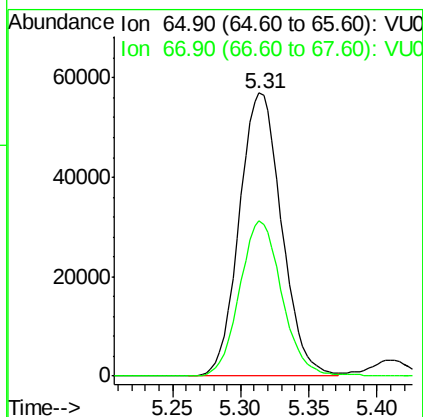
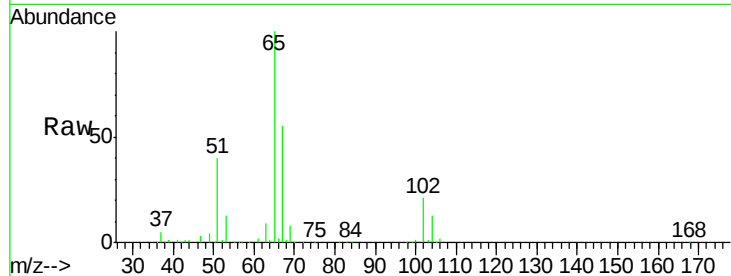
VSTDCCC050EC

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

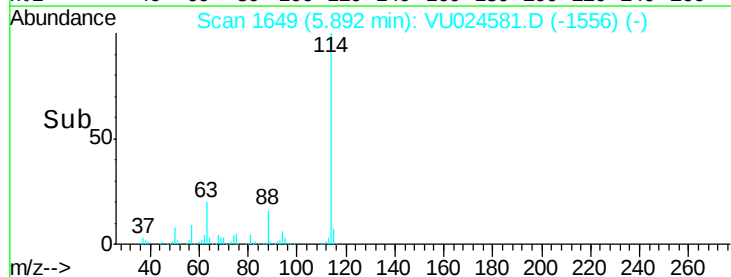
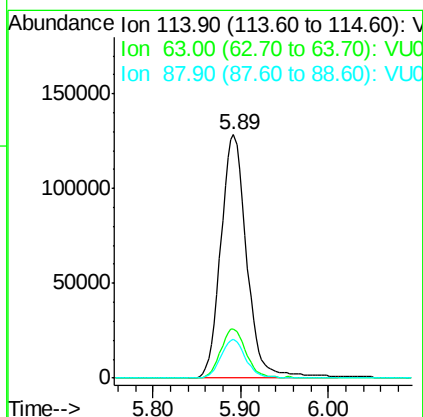
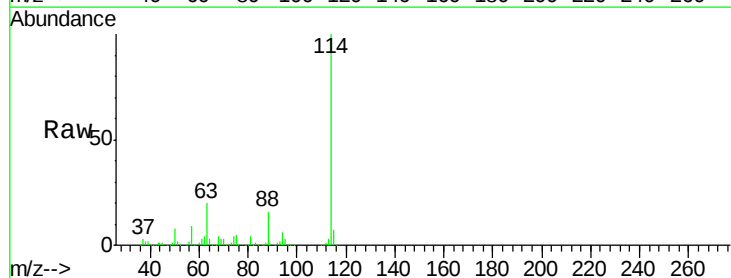
Tgt Ion: 114 Resp: 264193

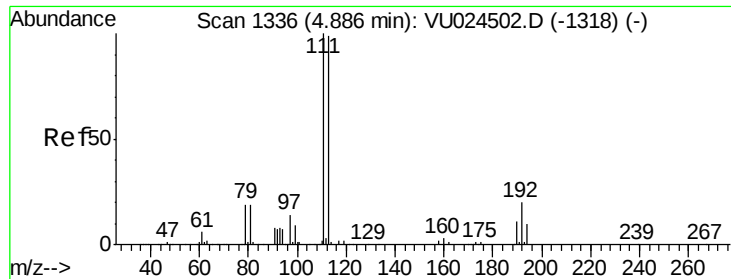
Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.4

88 15.8 0.0 31.0





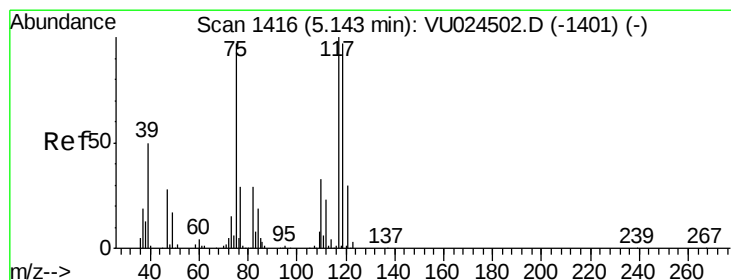
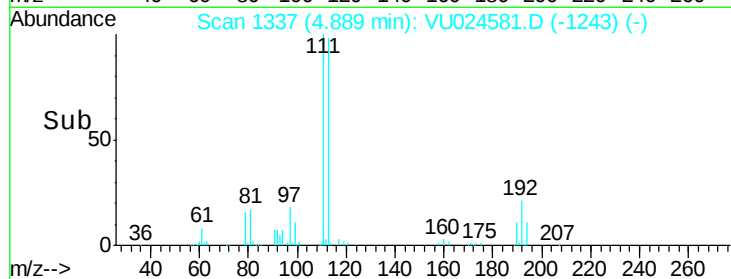
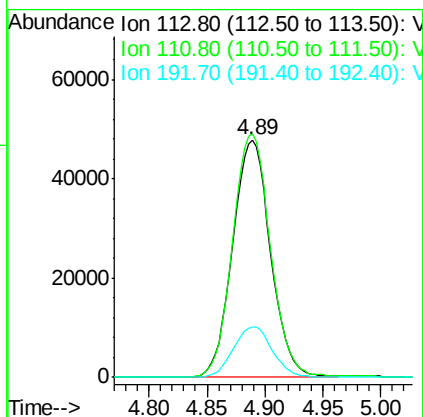
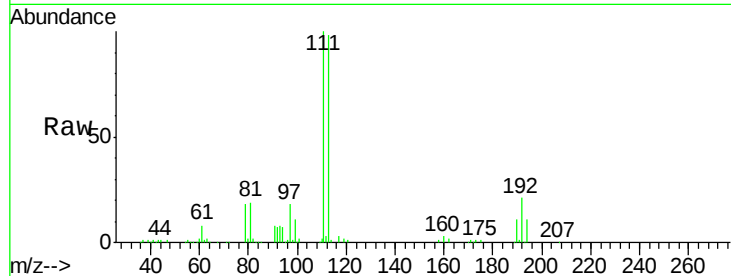
#35
 Dibromofluoromethane
 Concen: 49.307 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108111		
111	102.6	82.2	123.4	
192	21.9	16.2	24.4	

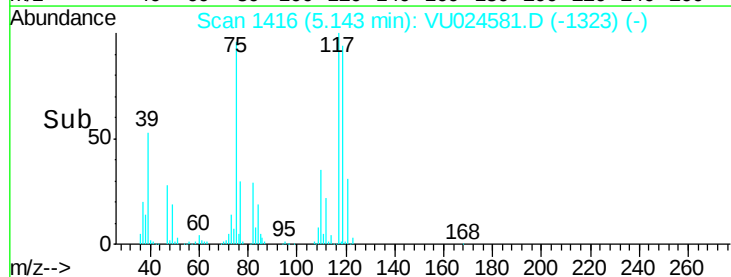
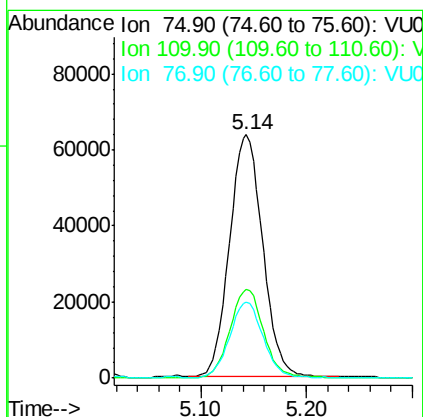
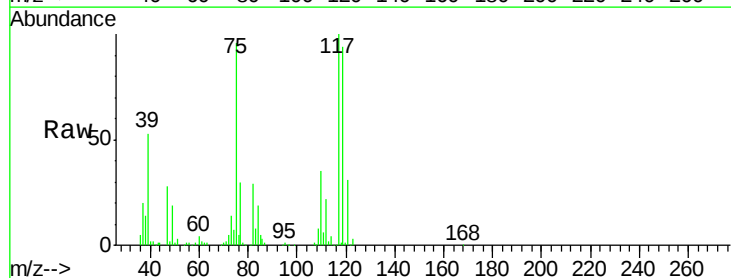
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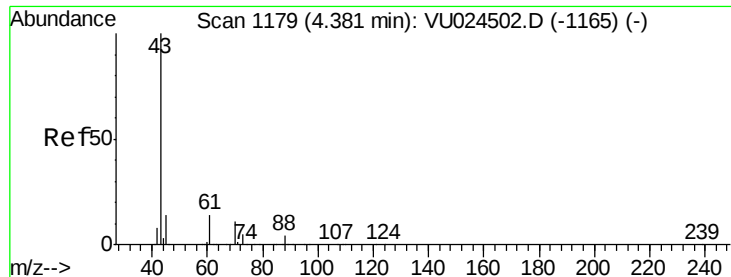
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#36
 1,1-Dichloropropene
 Concen: 44.546 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	138292		
110	37.4	17.0	50.9	
77	31.3	24.2	36.4	





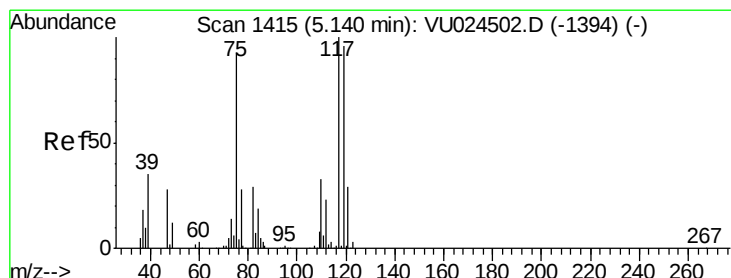
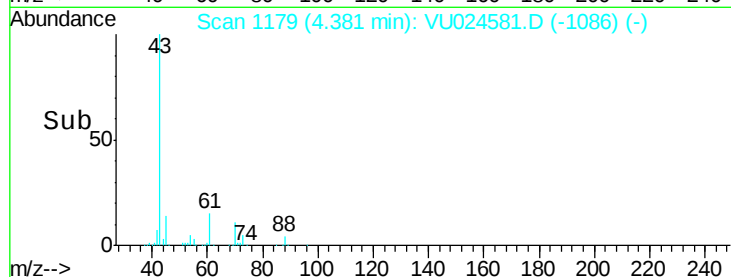
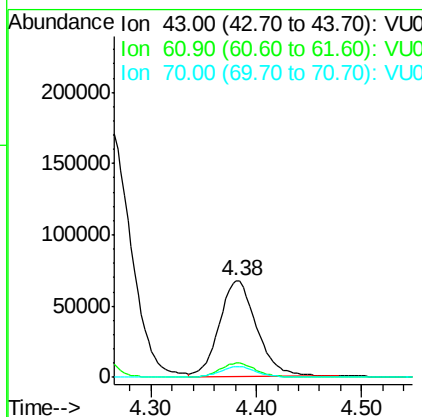
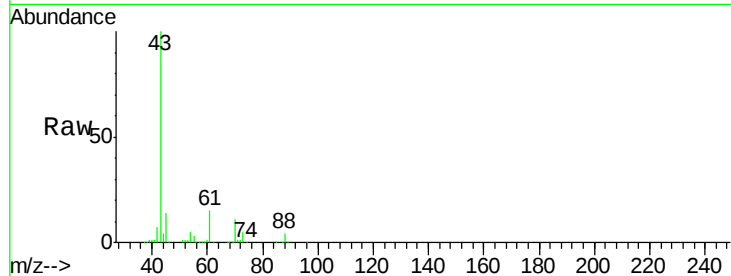
#37
Ethyl Acetate
Concen: 48.588 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	11.4	7.4	11.2

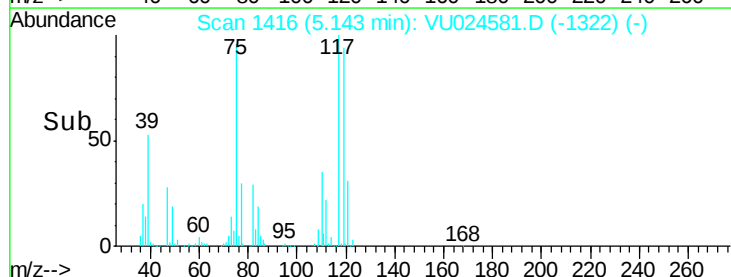
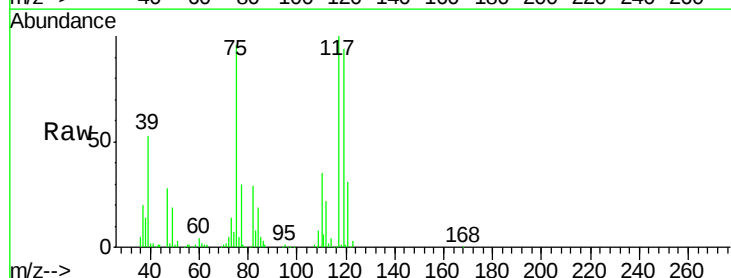
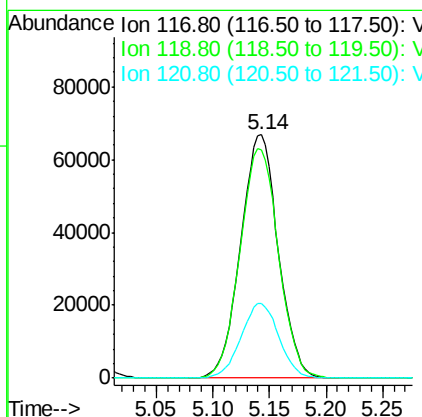
Manual Integrations
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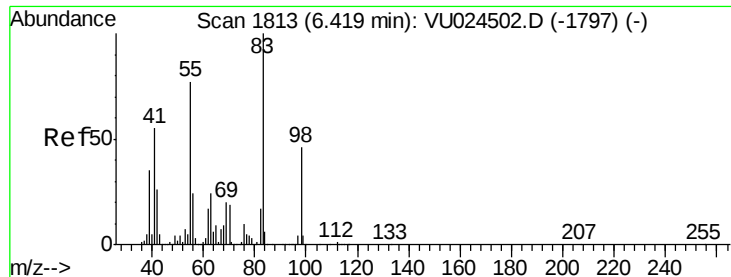
apatel
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#38
Carbon Tetrachloride
Concen: 45.214 ug/l
RT: 5.14 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.1	114.1
121	30.7	23.7	35.5





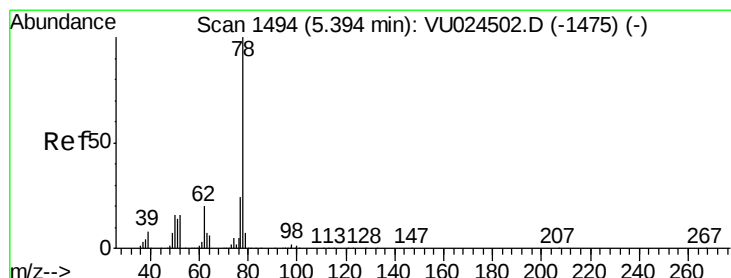
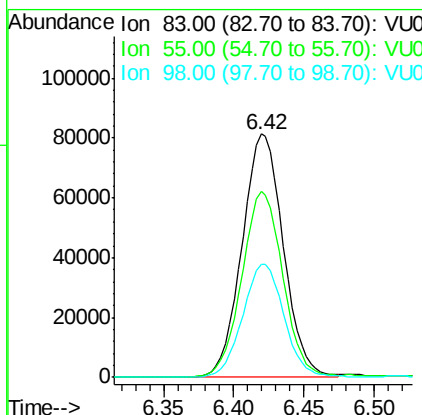
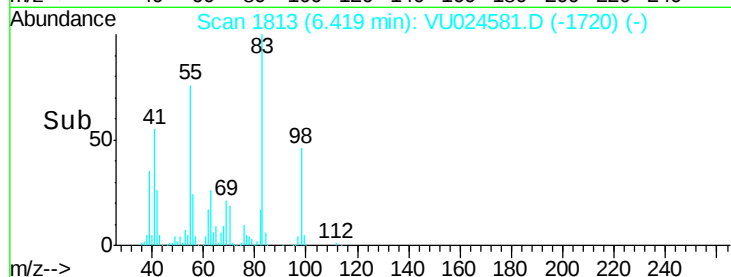
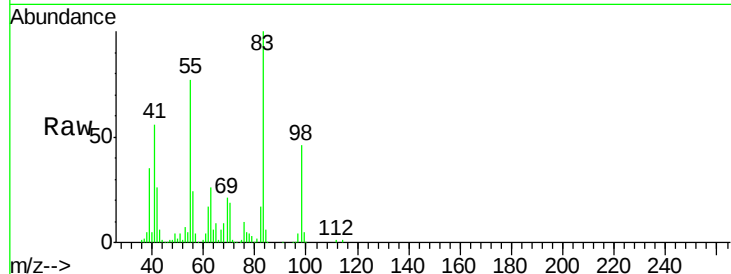
#39
Methvlcvclohexane
Concen: 42.914 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	65.8	98.6
98	46.5	36.7	55.1

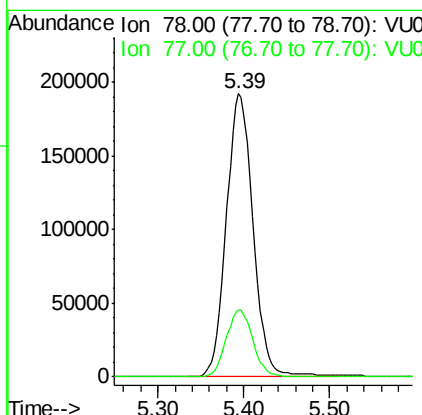
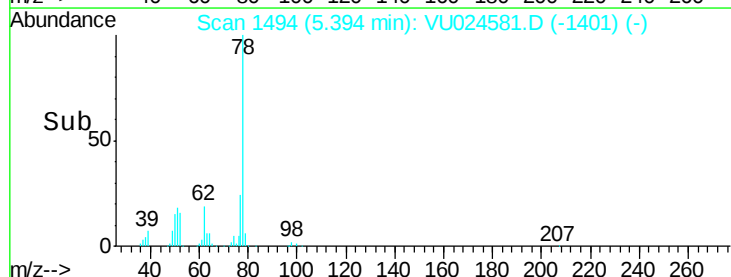
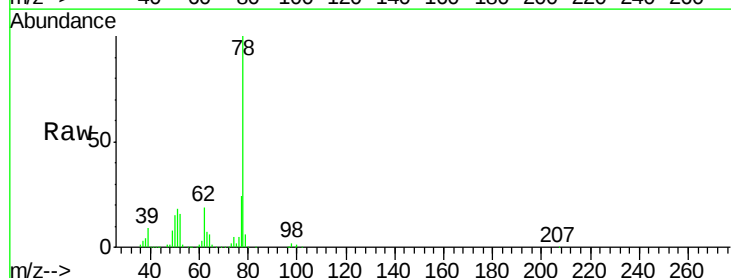
Manual Integrations
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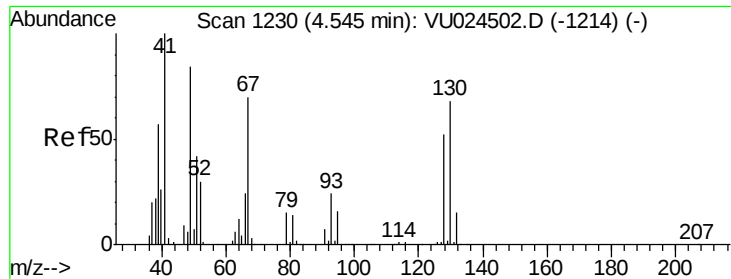
apatel
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#40
Benzene
Concen: 46.959 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8





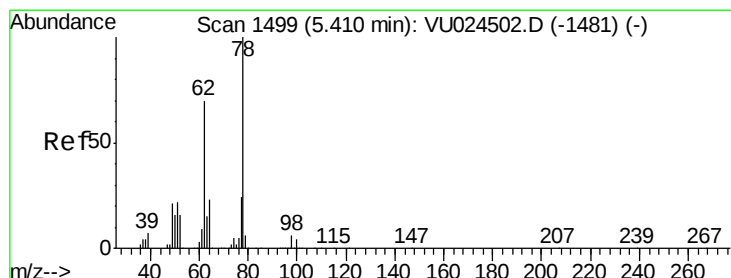
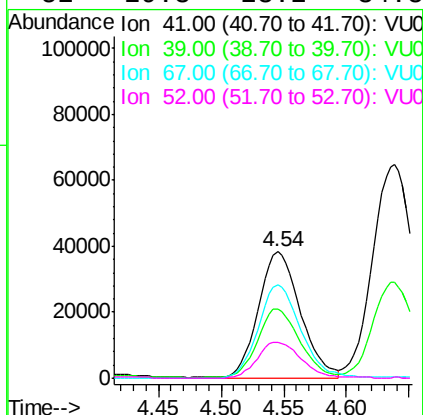
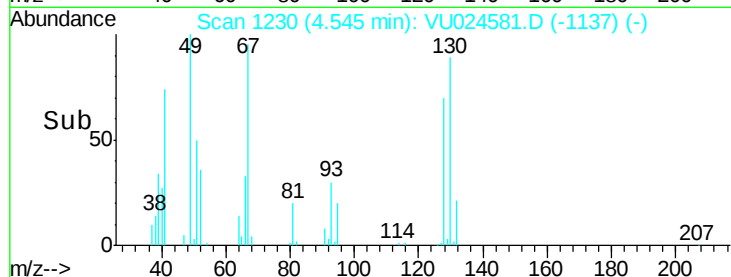
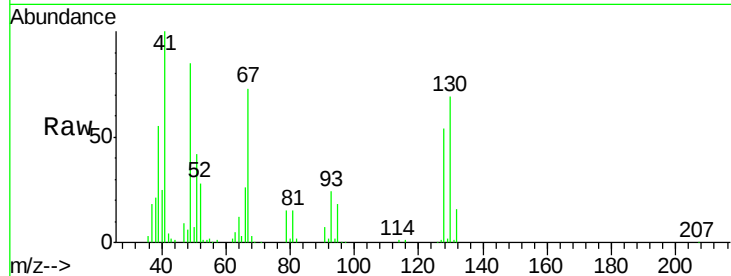
#41
Methacrylonitrile
Concen: 48.626 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	43.8	65.6	
67	76.2	56.3	84.5	
52	29.3	23.2	34.8	

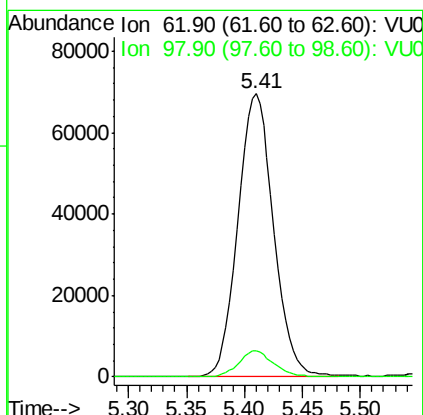
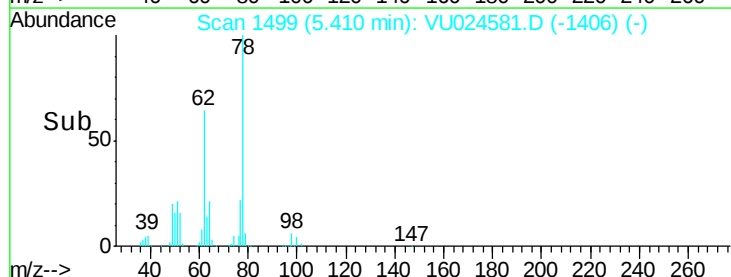
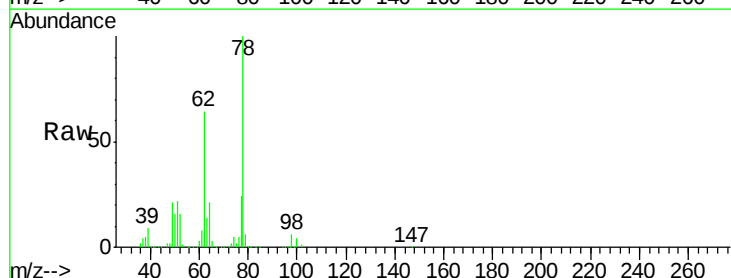
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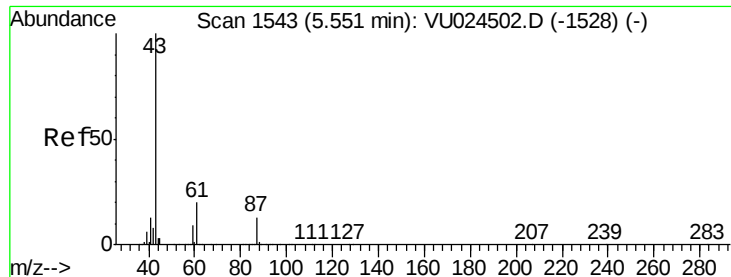
apatel
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#42
1,2-Dichloroethane
Concen: 44.075 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	16.6	





#43

Isopropyl Acetate

Concen: 45.564 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

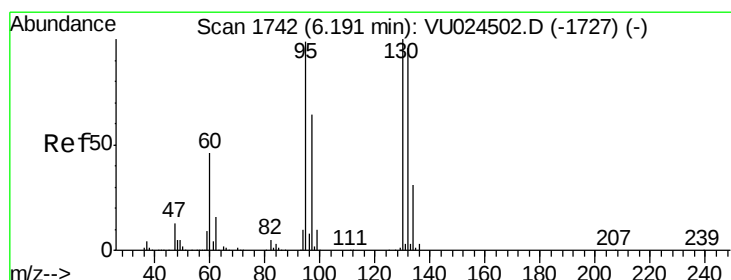
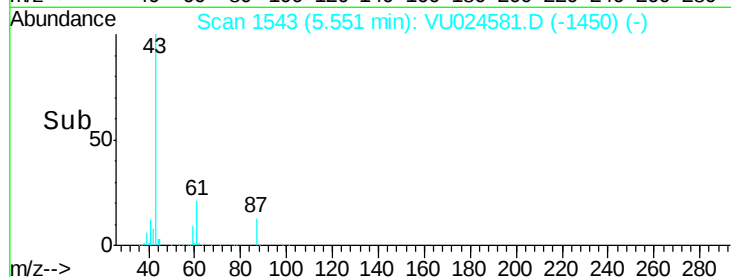
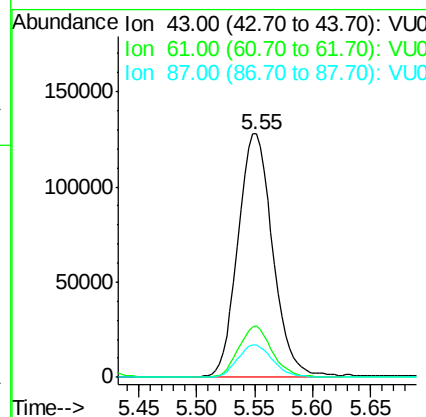
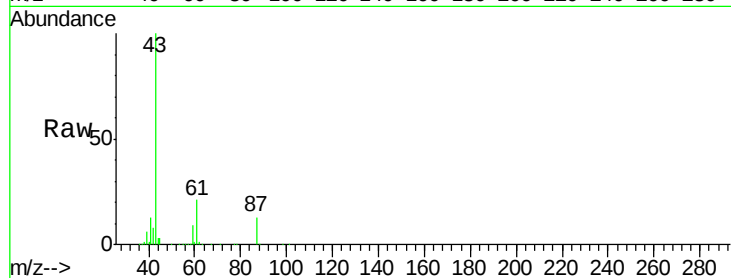
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	266495
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.4	23.0
87	13.5	10.0	15.0

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#44

Trichloroethene

Concen: 46.759 ug/l

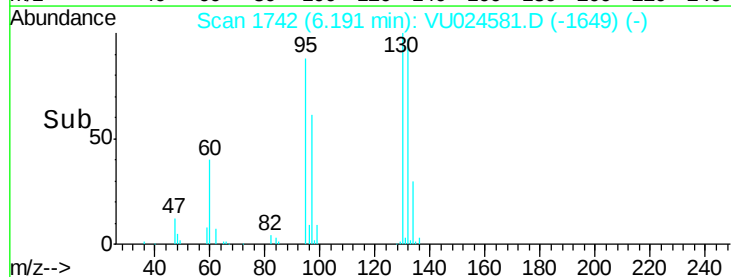
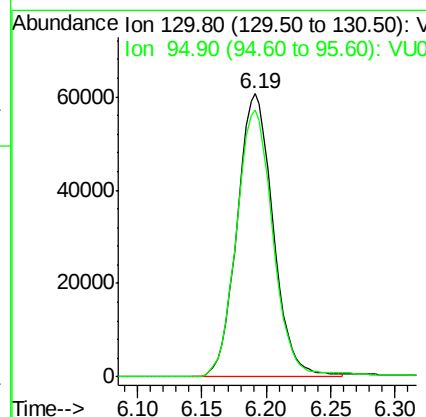
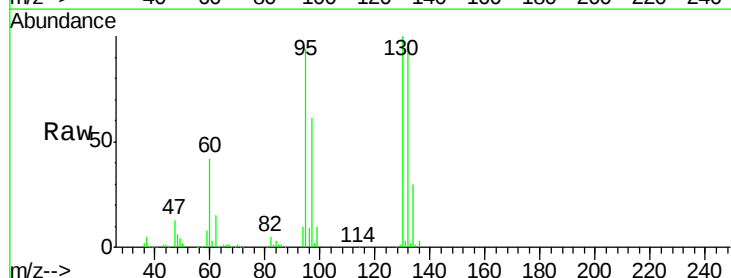
RT: 6.19 min Scan# 1742

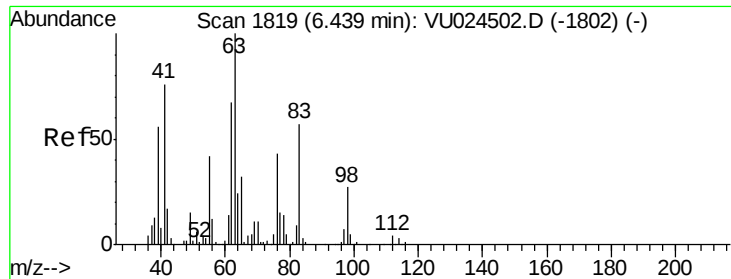
Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion:	130	Resp:	117719
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	202.4





#45

1,2-Dichloropropane

Concen: 47.789 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 112798

Ion Ratio Lower Upper

63 100

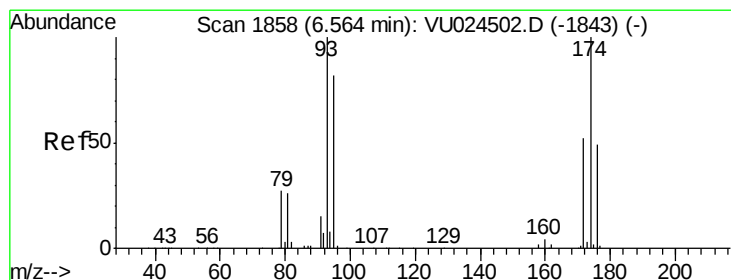
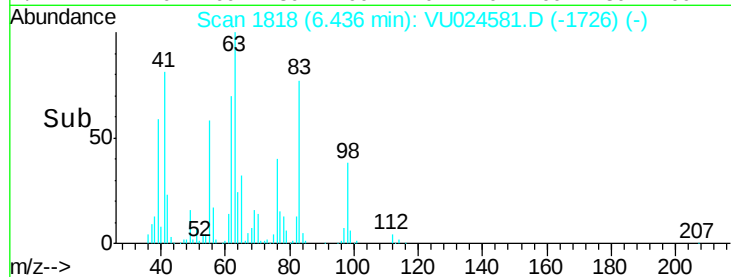
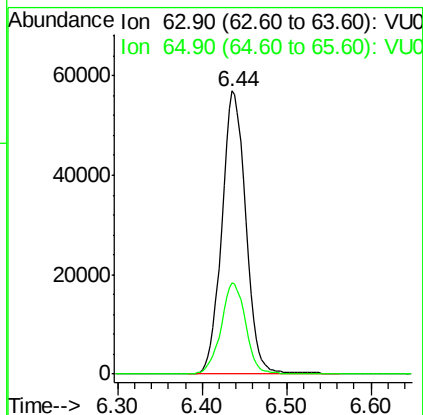
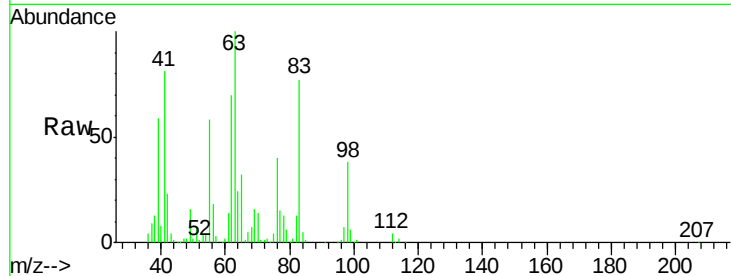
65 32.2 24.8 37.2

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#46

Dibromomethane

Concen: 47.763 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

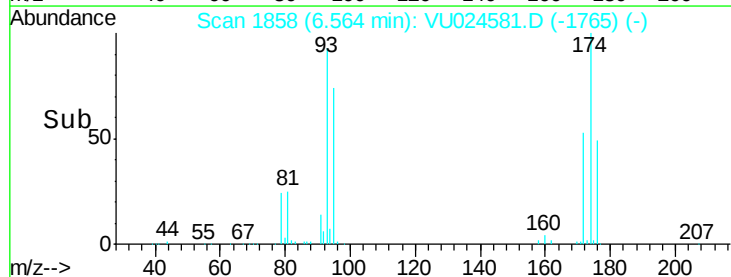
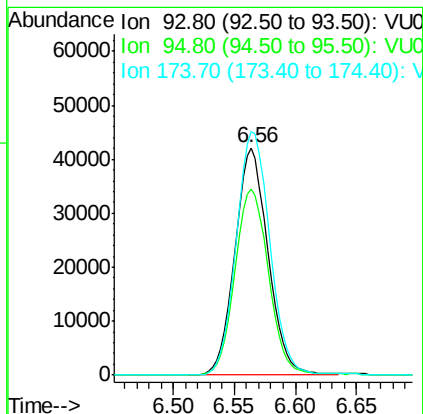
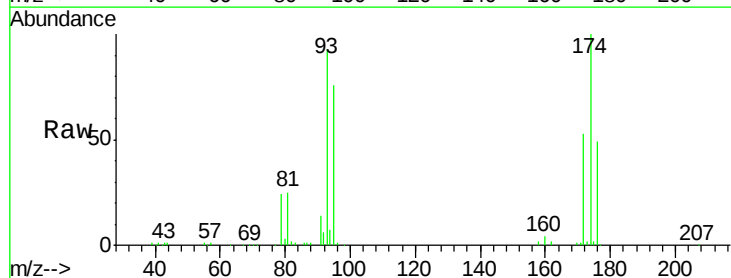
Tgt Ion: 93 Resp: 79187

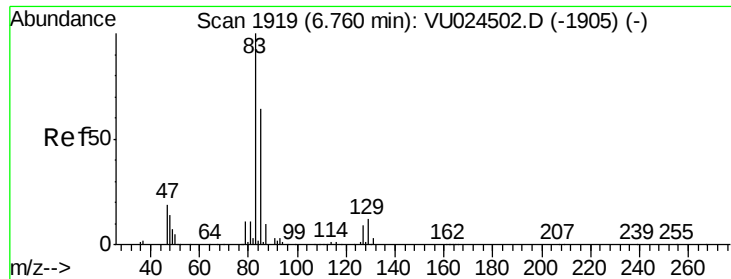
Ion Ratio Lower Upper

93 100

95 83.4 65.5 98.3

174 109.0 78.7 118.1





#47

Bromodichloromethane

Concen: 46.153 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

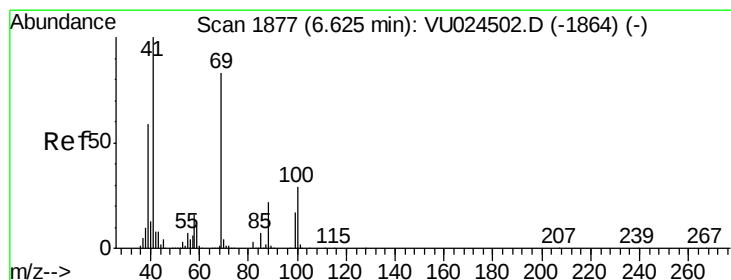
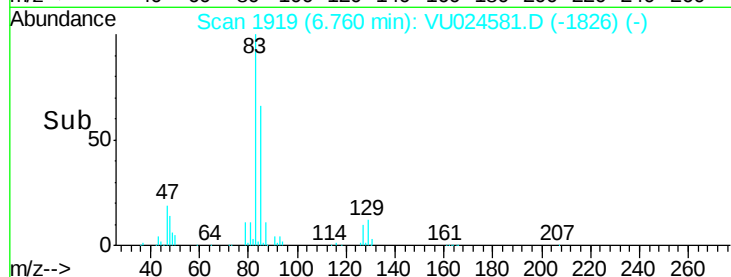
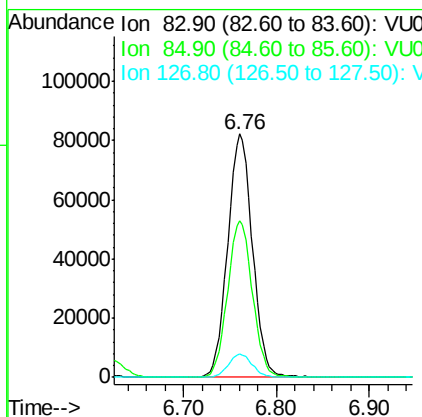
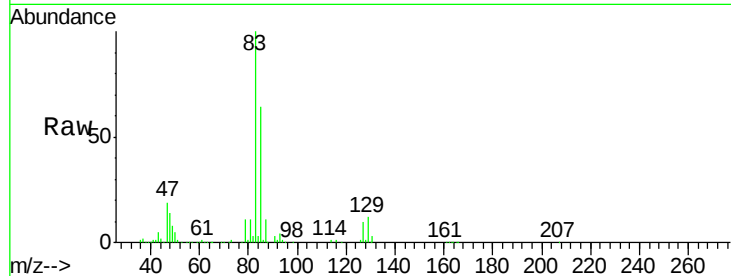
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	152371
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.9	77.9
127	9.6	6.6	9.8

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#48

Methyl methacrylate

Concen: 45.239 ug/l

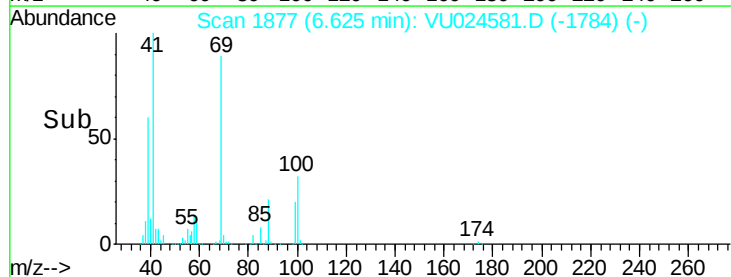
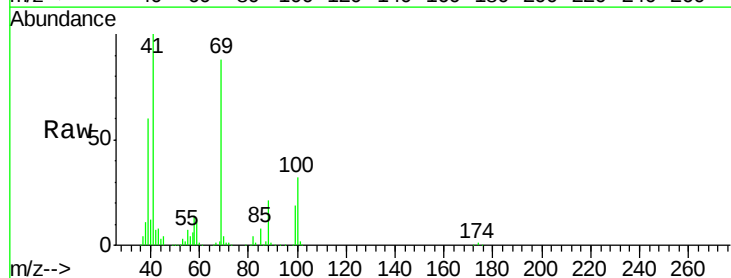
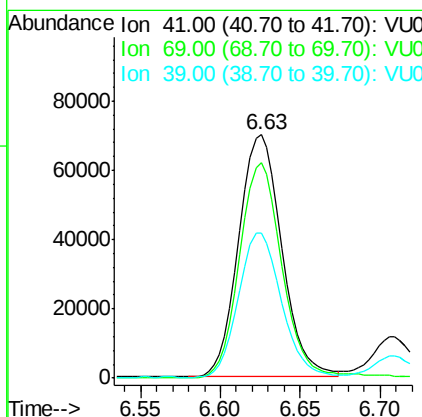
RT: 6.63 min Scan# 1877

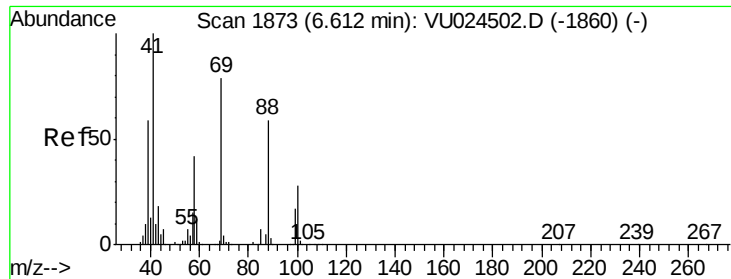
Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion:	41	Resp:	128840
Ion Ratio	Lower	Upper	
41	100		
69	88.0	67.3	100.9
39	59.5	46.5	69.7





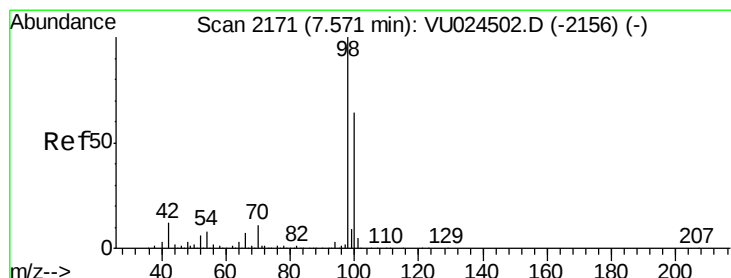
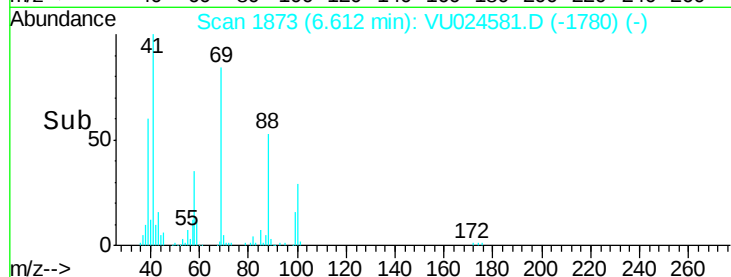
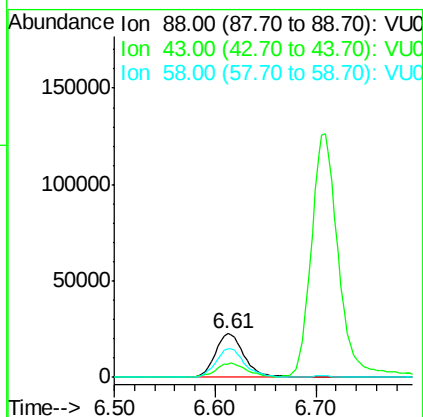
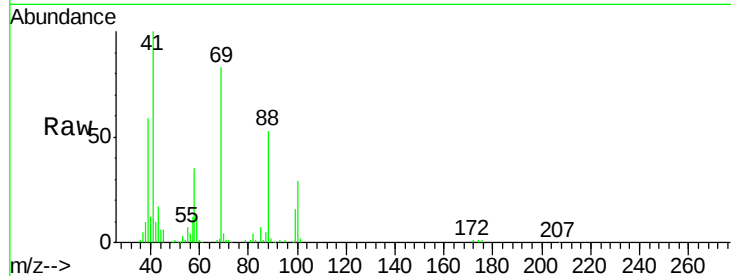
#49
1,4-Dioxane
Concen: 798.022 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	28.6	42.8
58	67.1	58.2	87.4

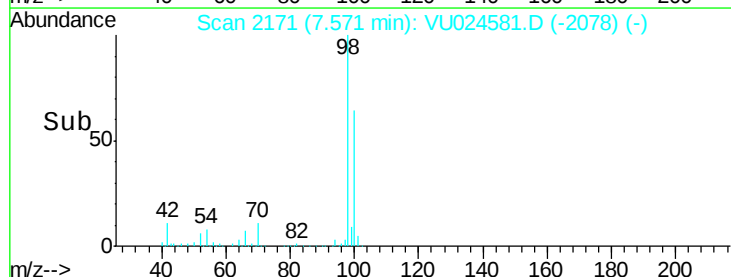
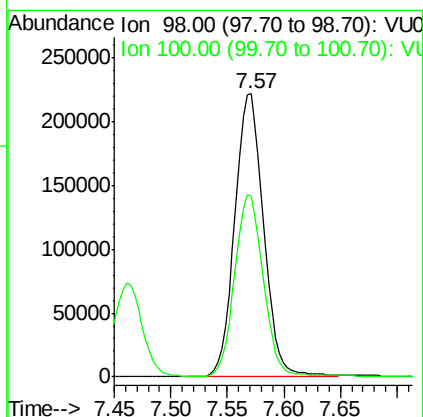
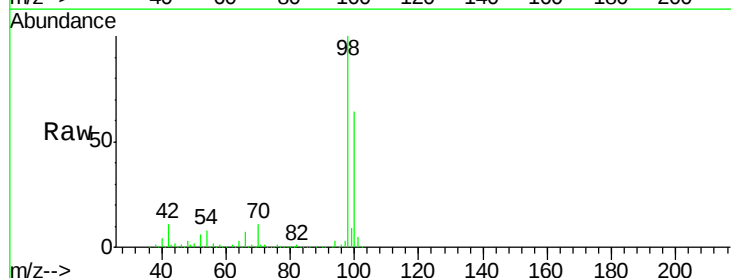
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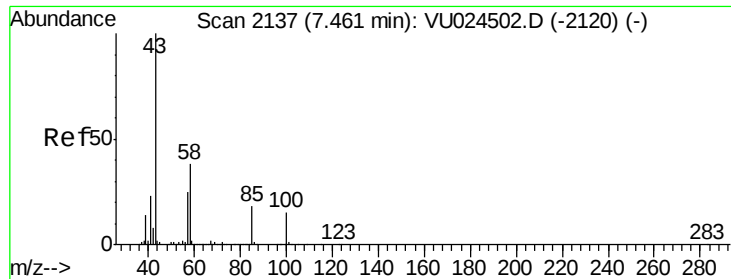
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#50
Toluene-d8
Concen: 49.476 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 236.698 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 869748

Ion Ratio Lower Upper

43 100

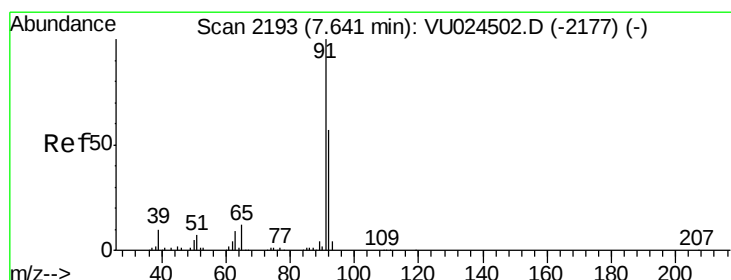
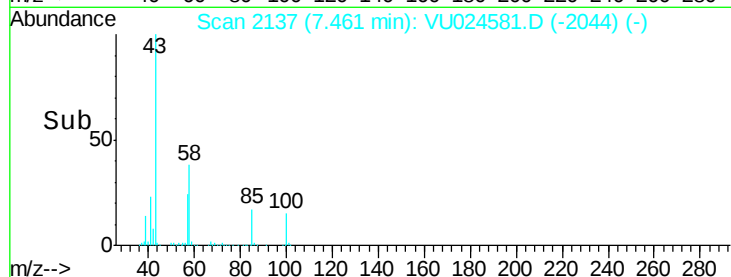
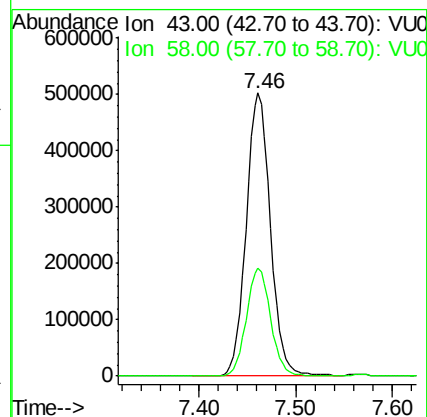
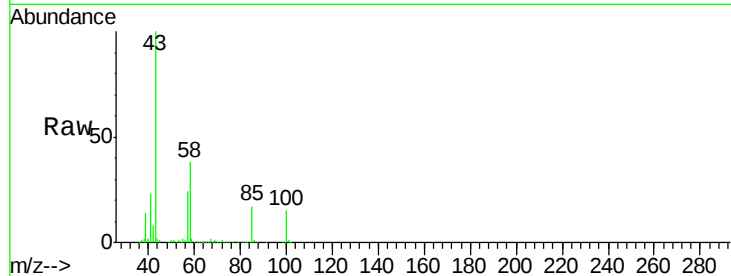
58 38.4 30.0 45.0

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#52

Toluene

Concen: 46.819 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024581.D

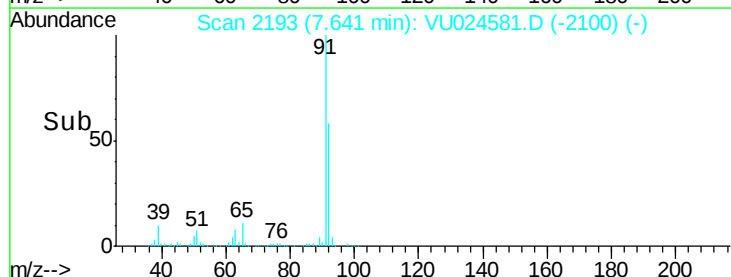
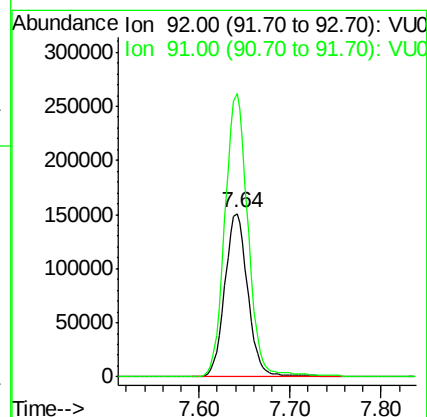
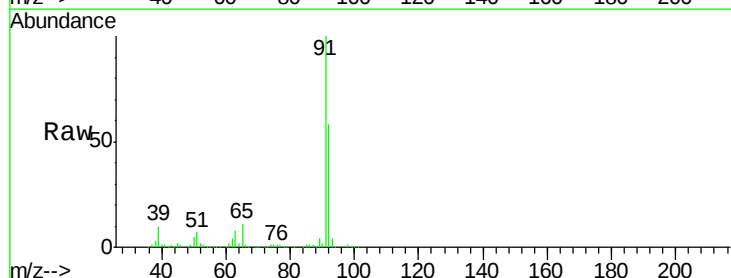
Acq: 15 Jun 2018 07:54

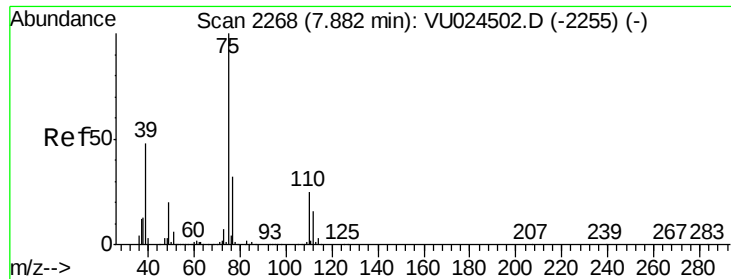
Tgt Ion: 92 Resp: 266460

Ion Ratio Lower Upper

92 100

91 174.6 140.5 210.7





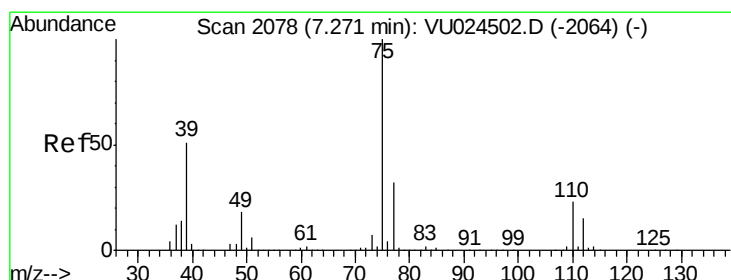
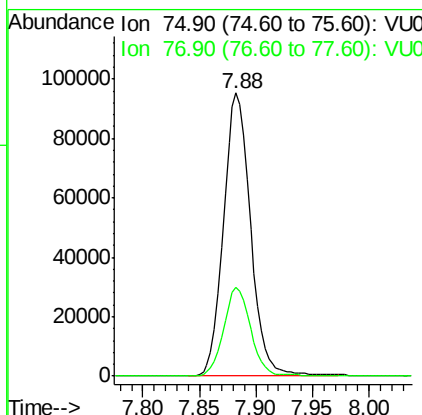
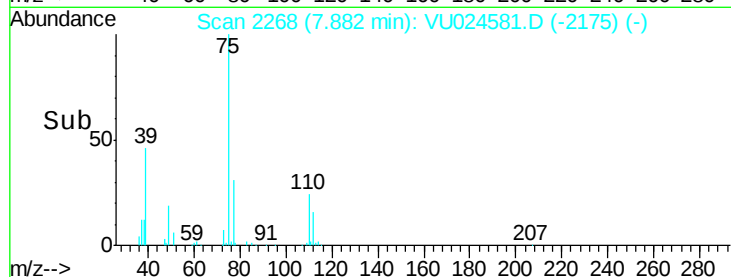
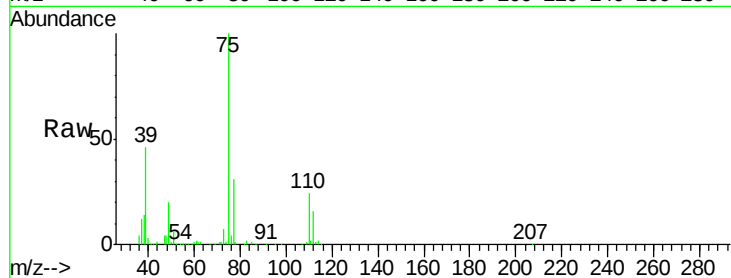
#53
t-1,3-Dichloropropene
Concen: 42.962 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.8	37.2

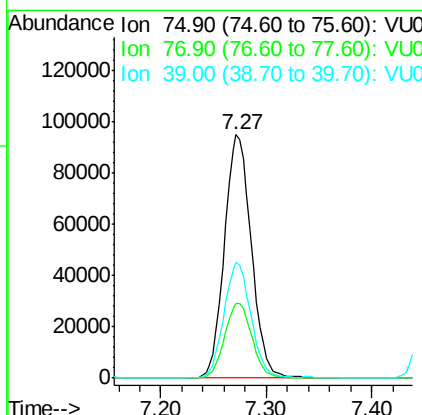
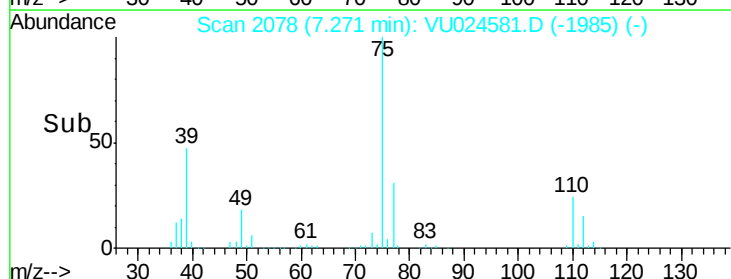
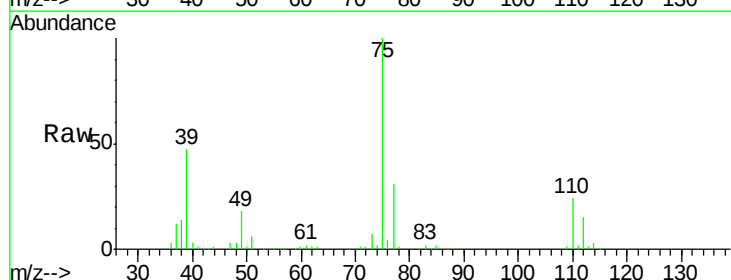
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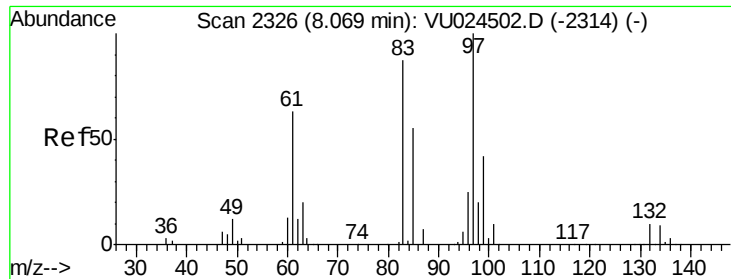
apatel
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#54
cis-1,3-Dichloropropene
Concen: 42.443 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.6	36.8
39	47.1	39.8	59.6





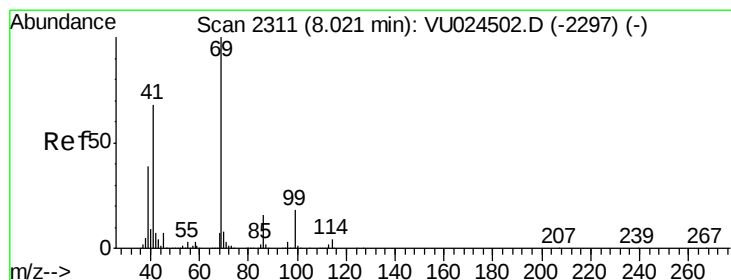
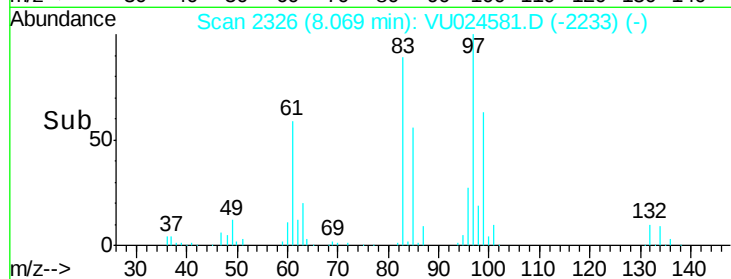
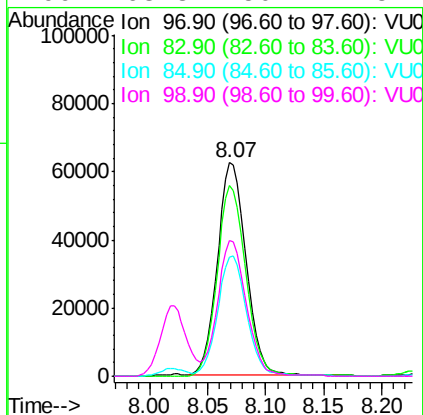
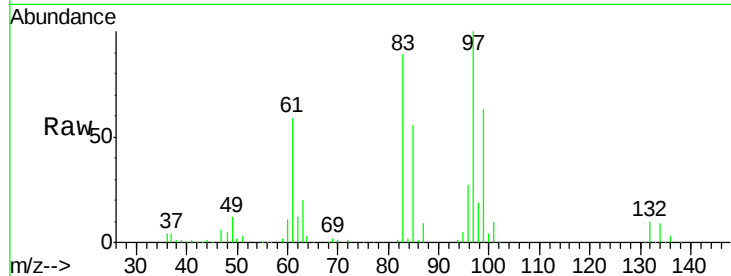
#55
 1,1,2-Trichloroethane
 Concen: 46.500 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	107573
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.5	105.7
85	55.6	46.4	69.6
99	63.3	50.2	75.2

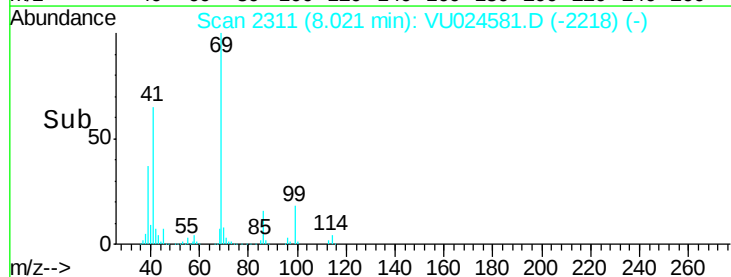
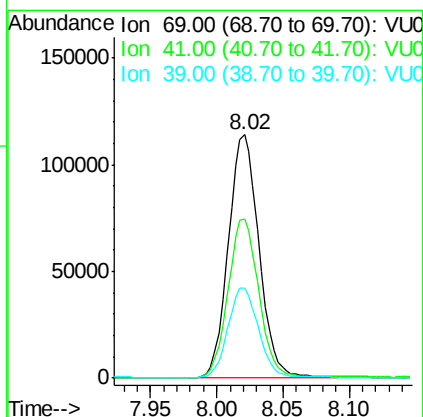
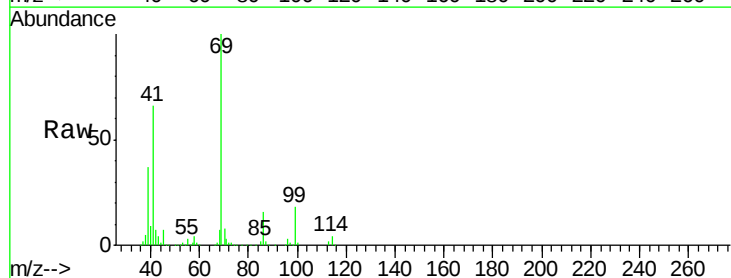
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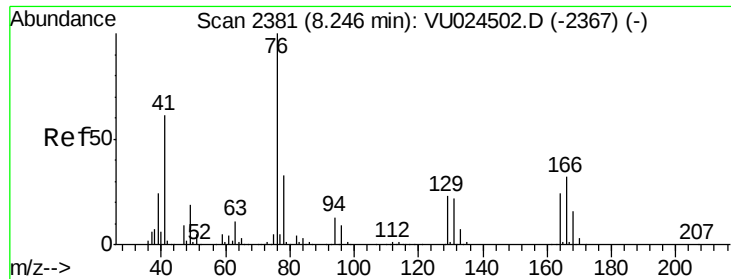
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#56
 Ethyl methacrylate
 Concen: 47.441 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion	69	Resp	183693
Ion	Ratio	Lower	Upper
69	100		
41	65.1	54.1	81.1
39	36.3	30.3	45.5





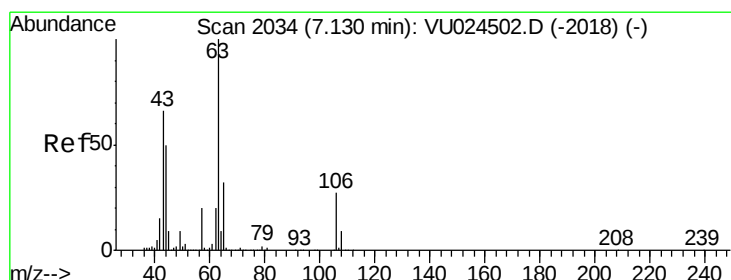
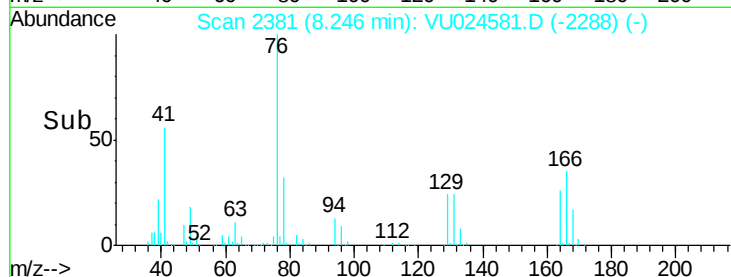
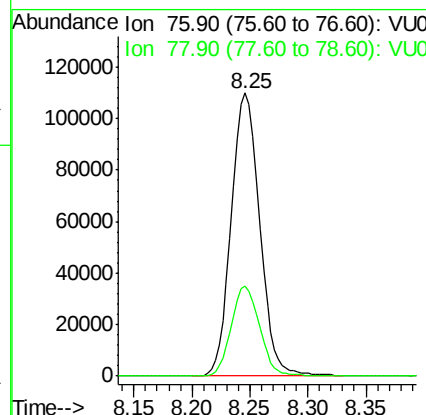
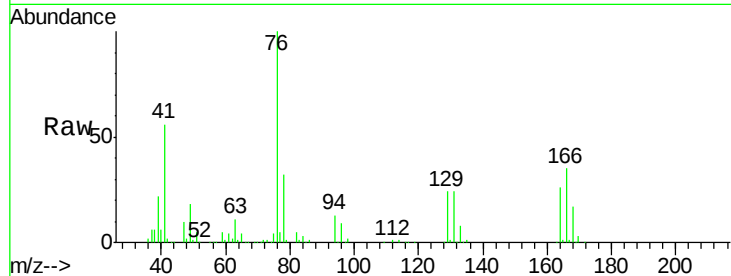
#57
 1,3-Dichloropropane
 Concen: 47.836 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 186682
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8

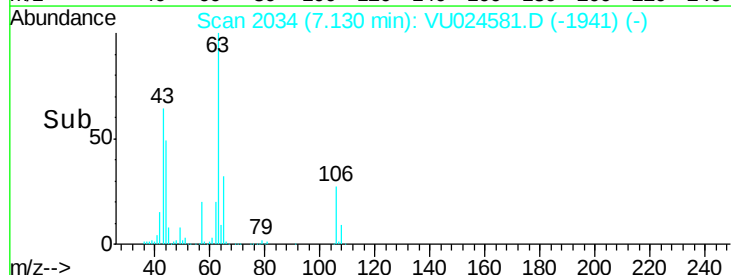
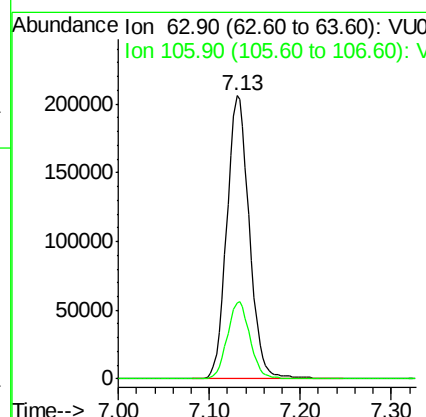
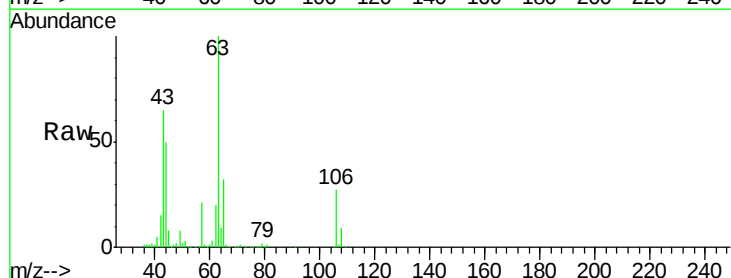
Manual Integrations
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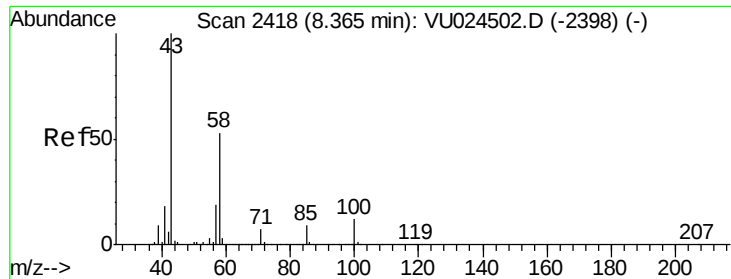
apatel
 6/15/2018 3:29:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.771 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion: 63 Resp: 354196
 Ion Ratio Lower Upper
 63 100
 106 27.5 20.2 30.2





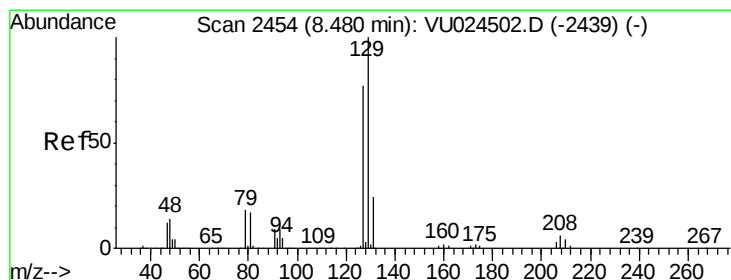
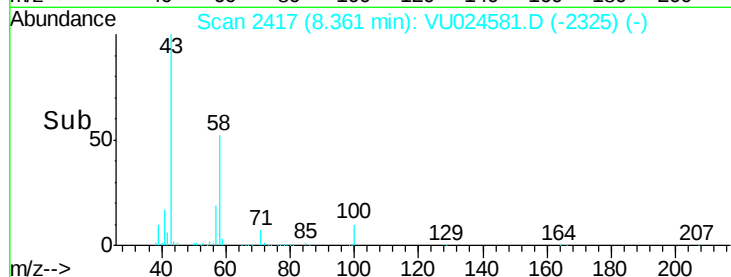
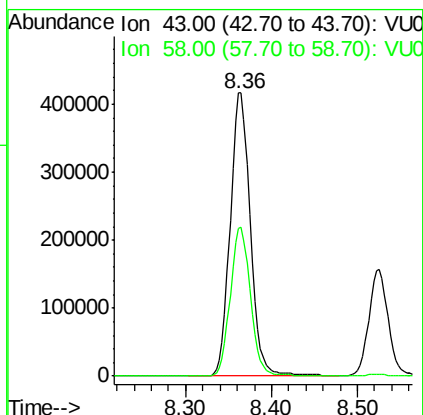
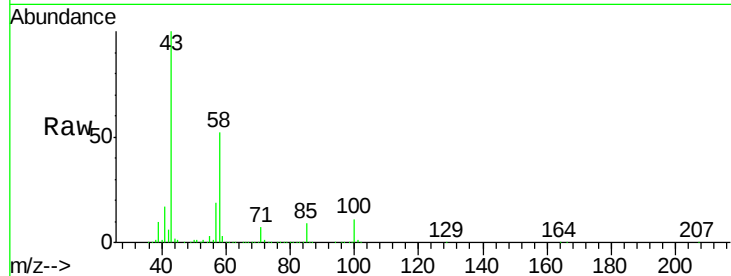
#59
2-Hexanone
Concen: 225.114 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 675317
Ion Ratio Lower Upper
43 100
58 53.2 26.4 79.0

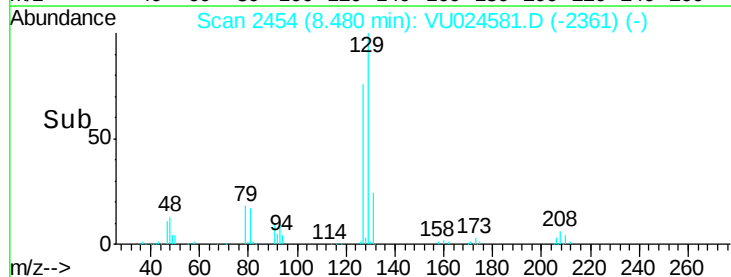
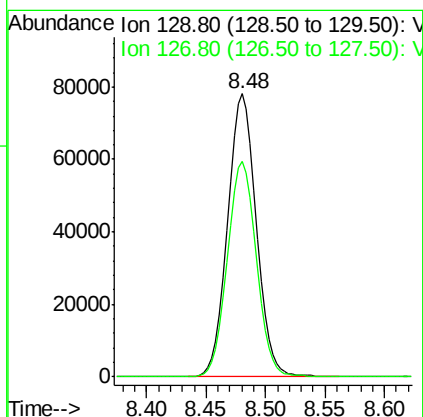
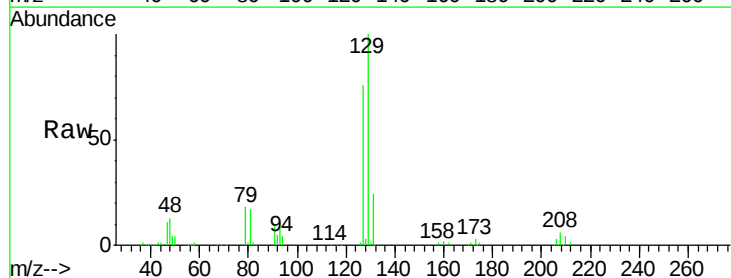
Manual Integrations
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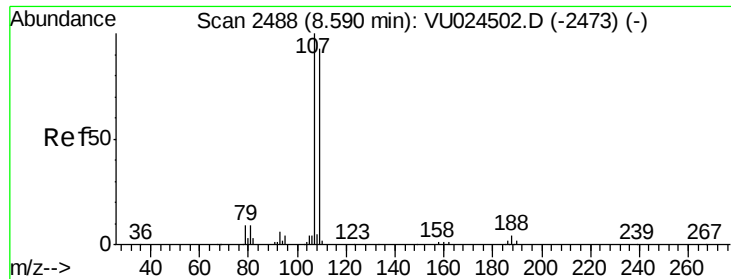
apatel
6/15/2018 3:29:28 PM



#60
Dibromochloromethane
Concen: 45.315 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion: 129 Resp: 130728
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 47.220 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 121586

Ion Ratio Lower Upper

107 100

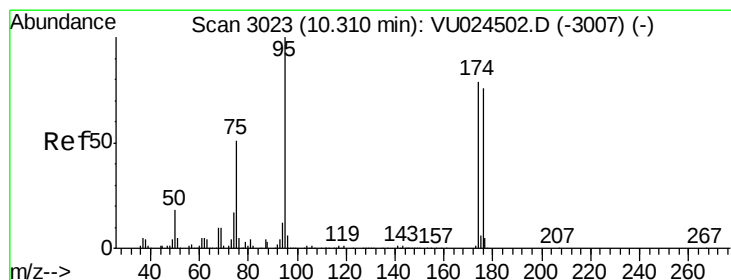
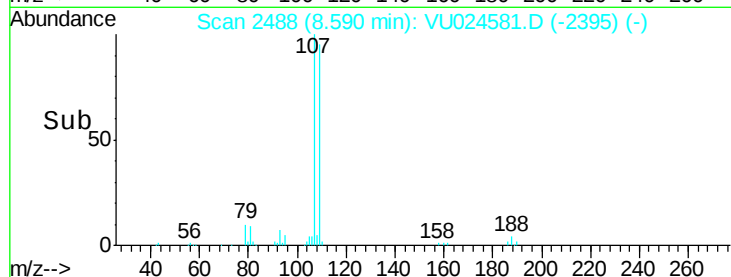
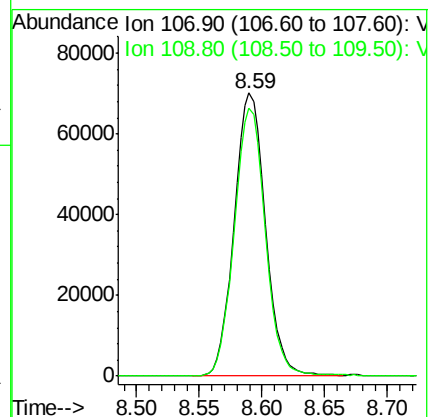
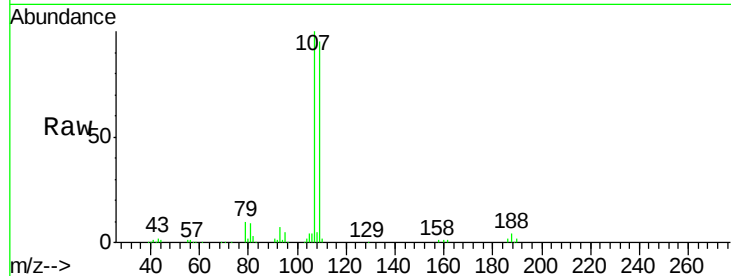
109 94.6 74.5 111.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.008 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

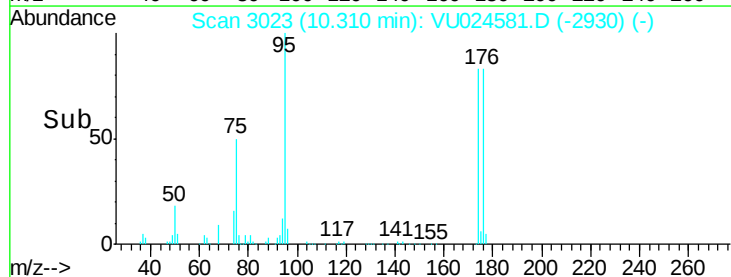
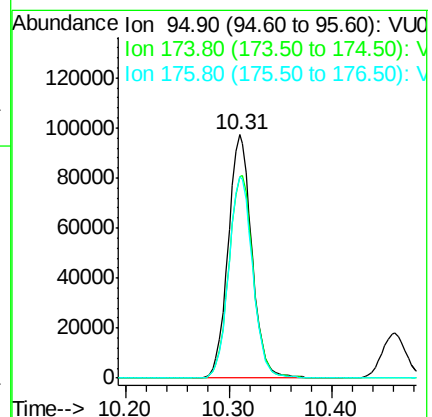
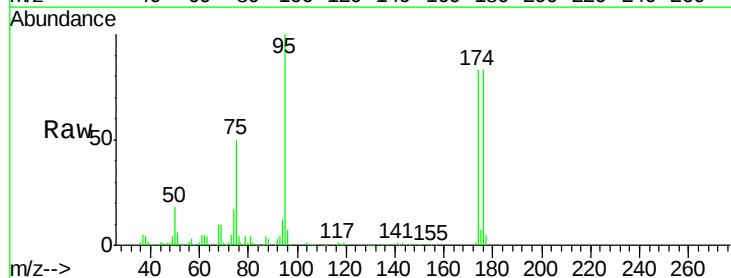
Tgt Ion: 95 Resp: 155622

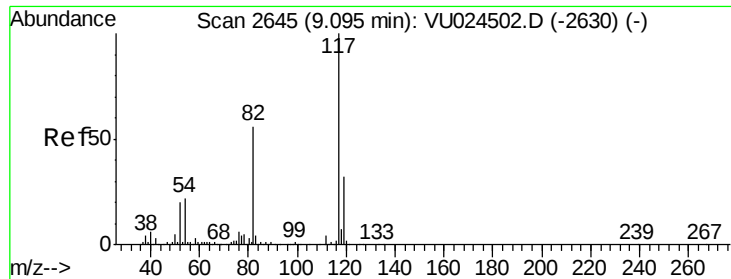
Ion Ratio Lower Upper

95 100

174 85.3 0.0 165.8

176 83.4 0.0 159.4





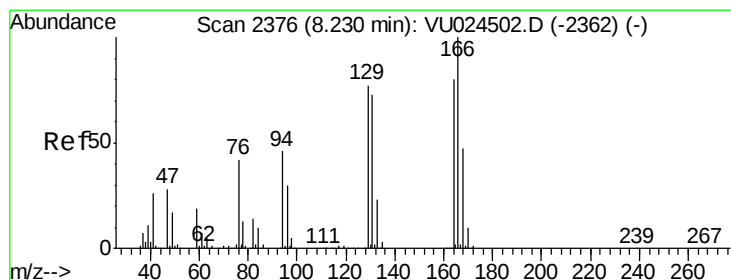
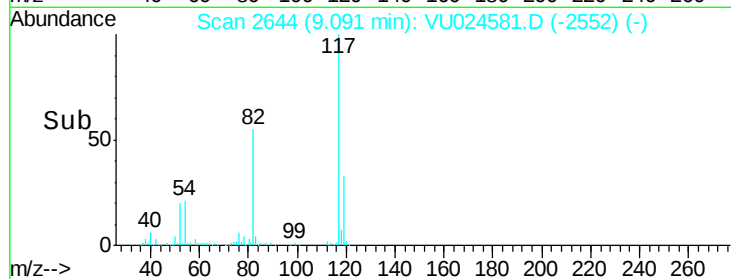
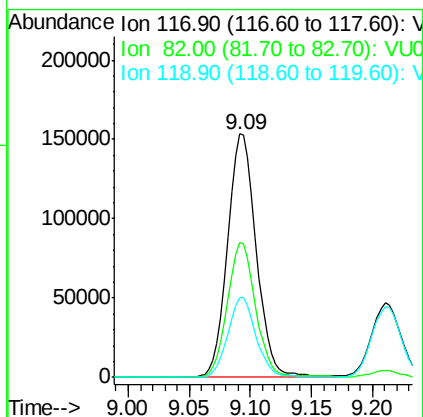
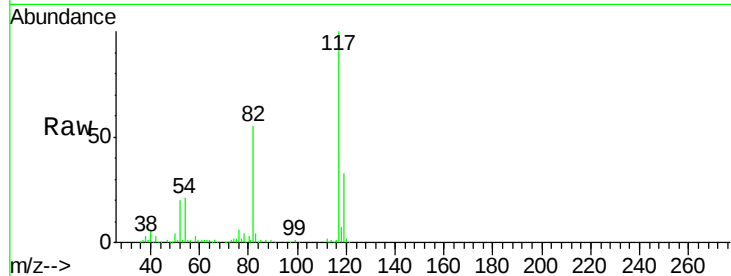
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	254216		
82	55.4		44.3	66.5
119	33.0		25.4	38.2

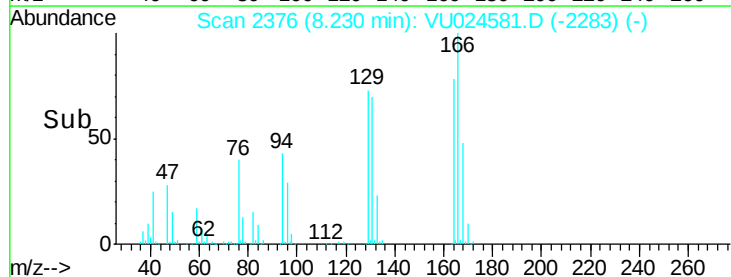
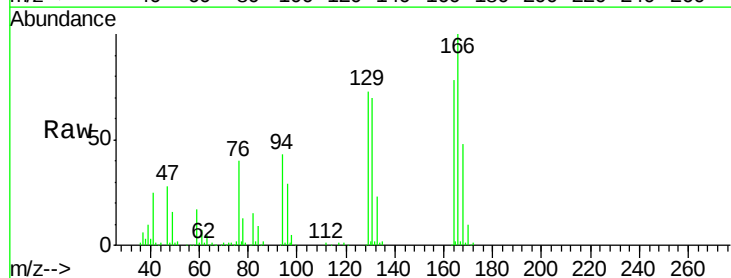
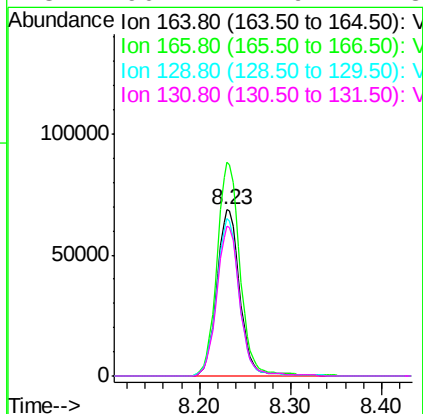
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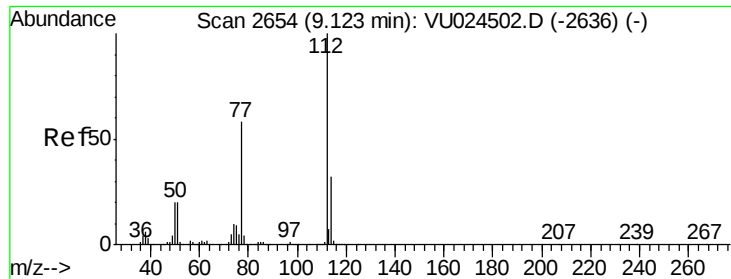
apatel
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#64
Tetrachloroethene
Concen: 49.856 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	120473		
166	128.8		101.7	152.5
129	94.6		76.9	115.3
131	90.4		74.9	112.3





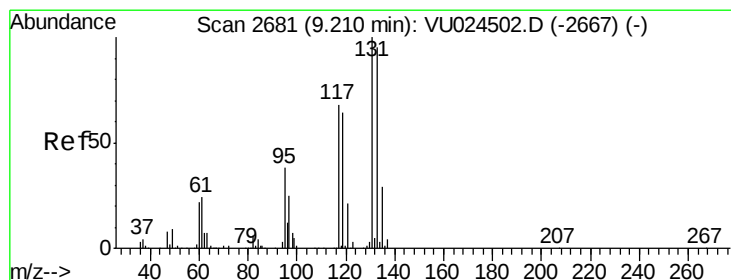
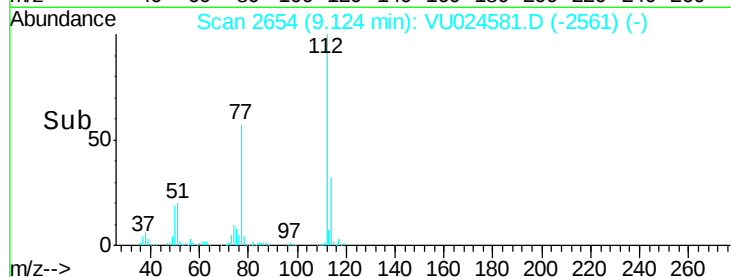
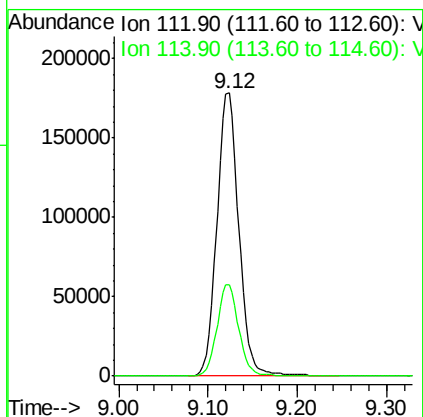
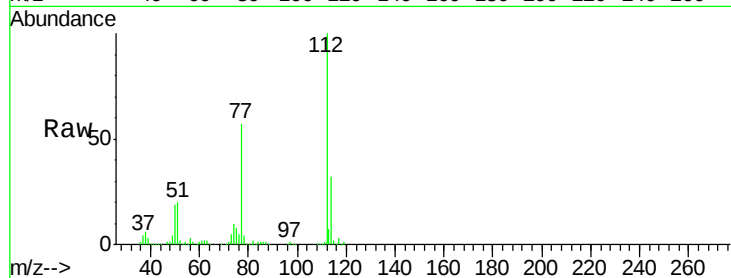
#65
Chlorobenzene
Concen: 46.770 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.6	38.4

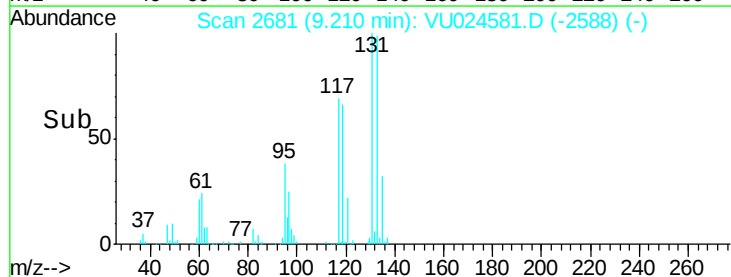
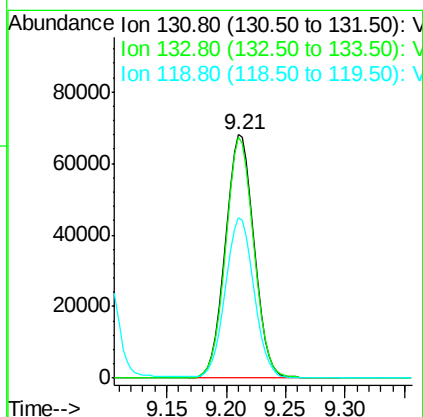
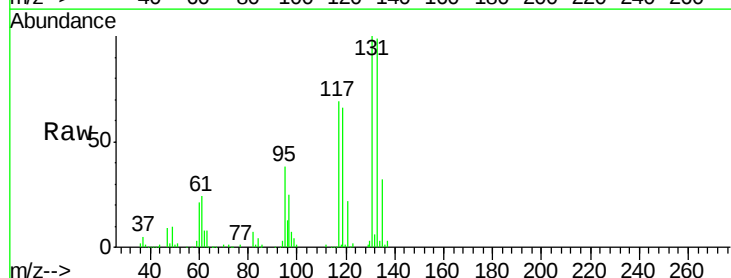
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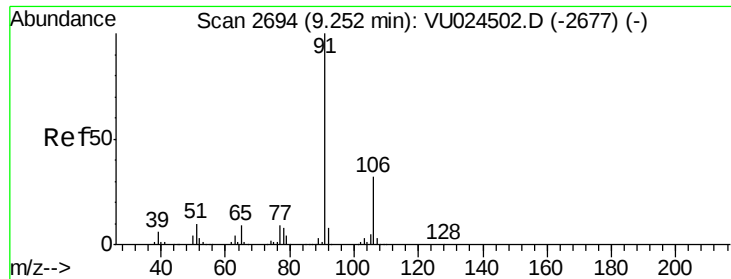
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.085 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	46.9	140.8
119	66.3	33.5	100.4





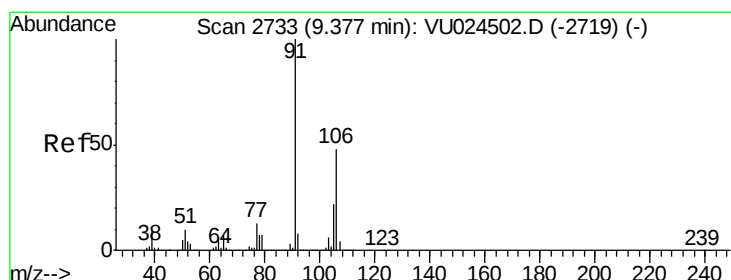
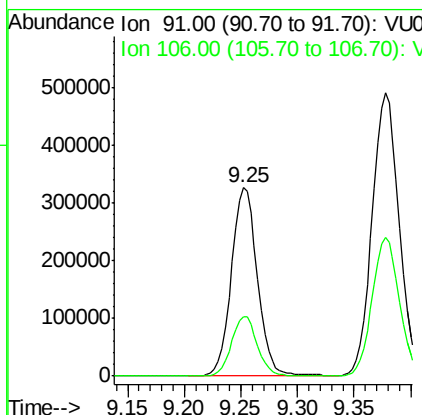
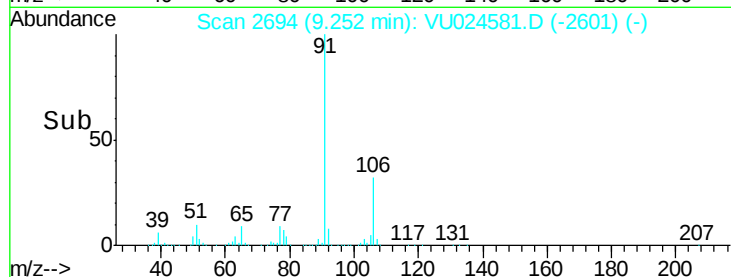
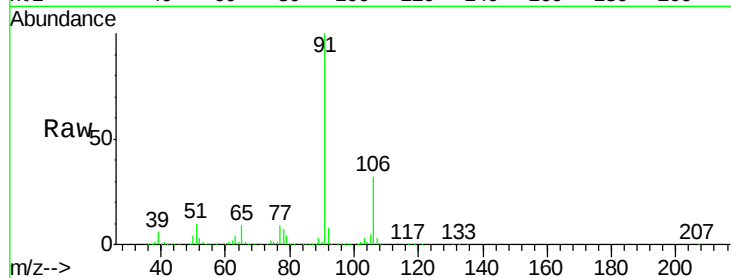
#67
Ethyl Benzene
Concen: 46.094 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 524779
Ion Ratio Lower Upper
91 100
106 31.8 24.2 36.4

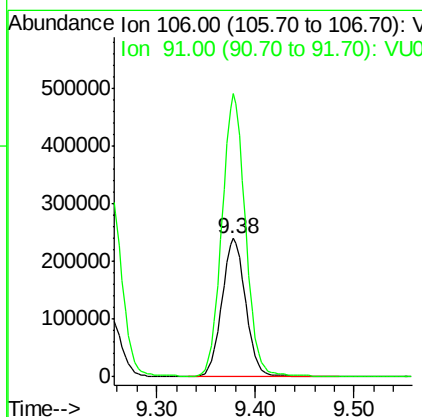
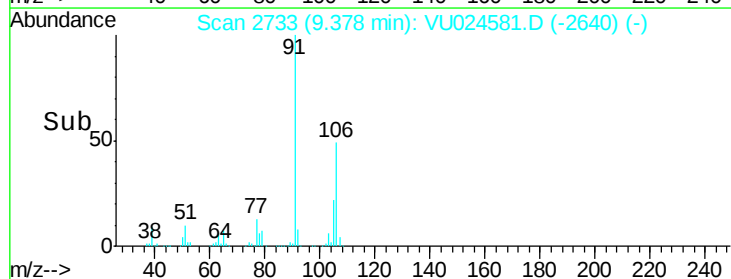
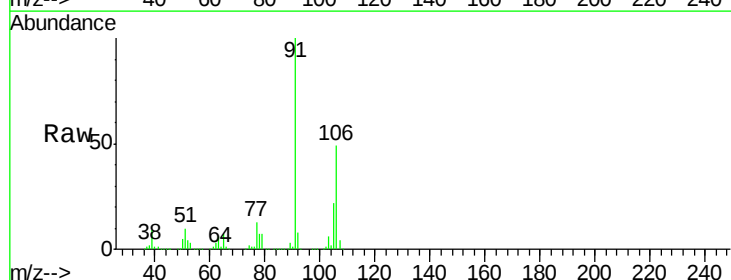
Manual Integrations
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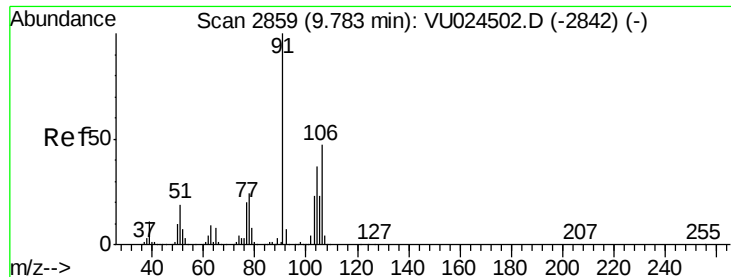
apatel
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#68
m/p-Xylenes
Concen: 92.992 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion: 106 Resp: 406547
Ion Ratio Lower Upper
106 100
91 202.4 166.5 249.7





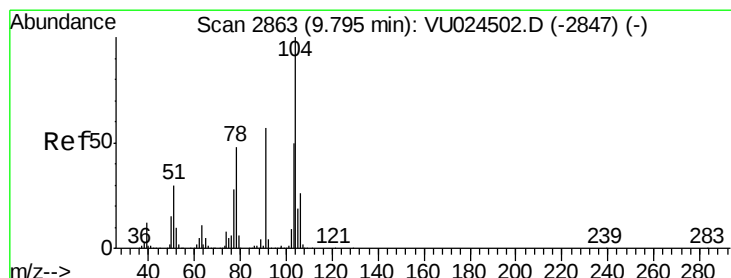
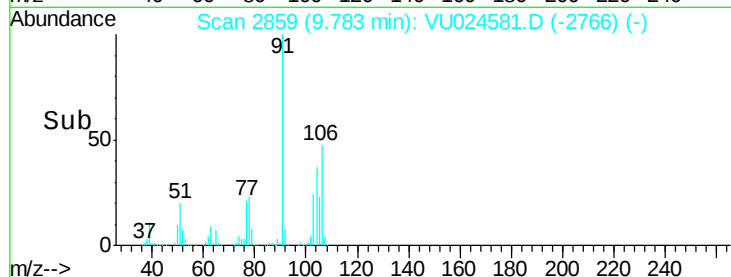
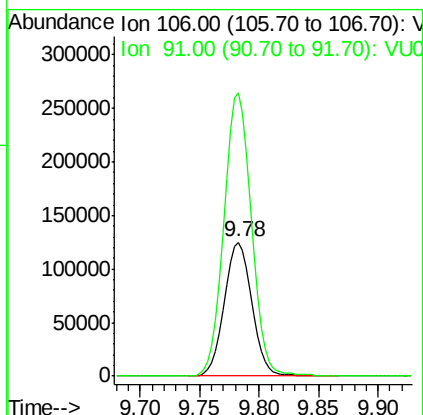
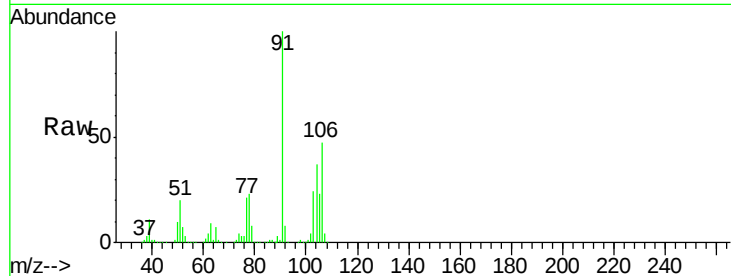
#69
o-Xylene
Concen: 46.409 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.8	110.7	331.9

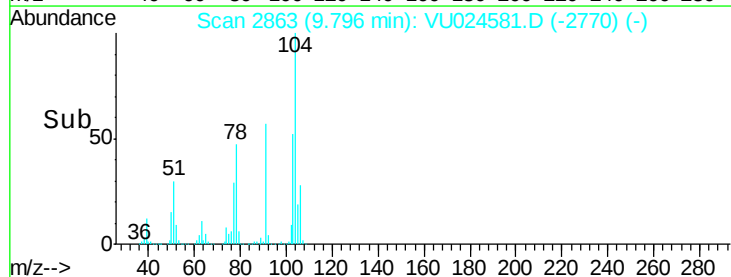
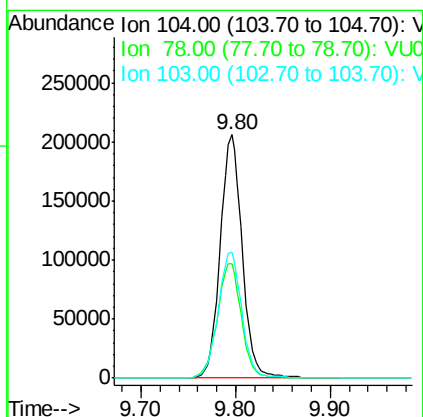
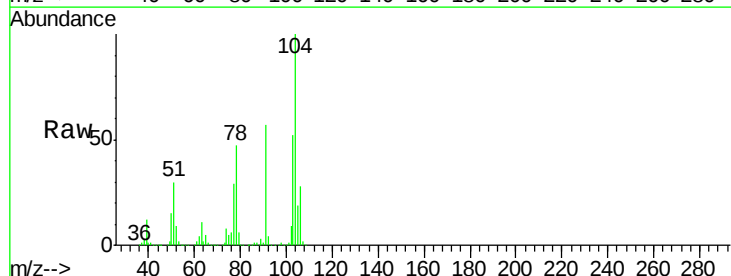
Manual Integrations
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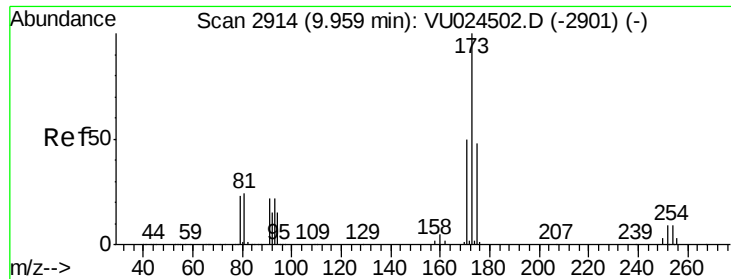
apatel
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#70
Styrene
Concen: 46.613 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.7	40.6	60.8
103	56.0	44.7	67.1





#71

Bromoform

Concen: 46.682 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

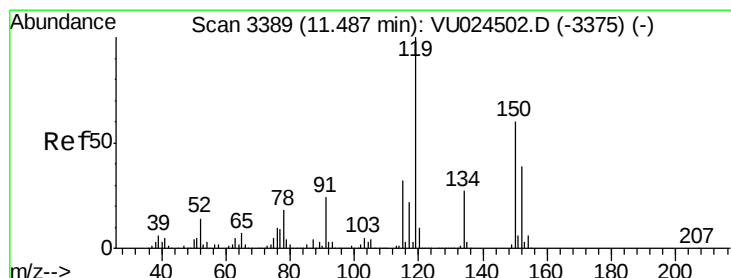
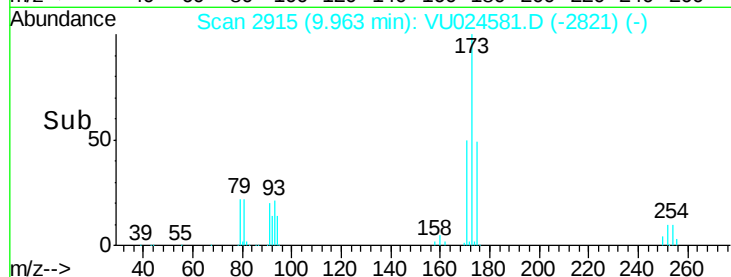
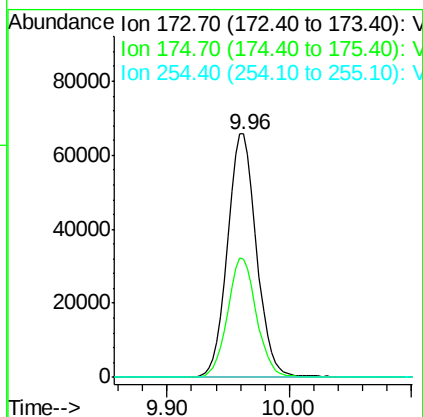
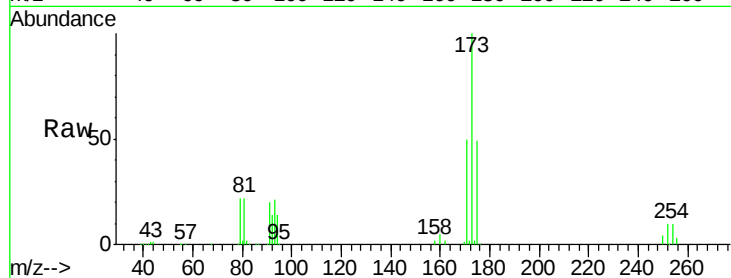
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	109477
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

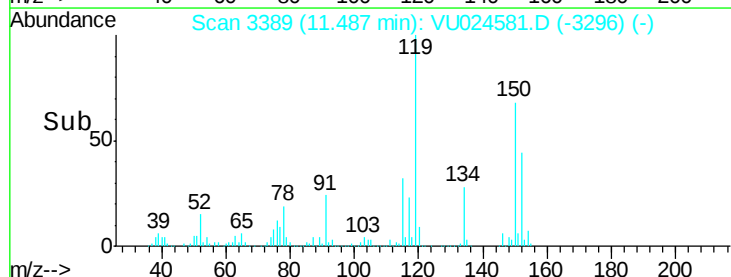
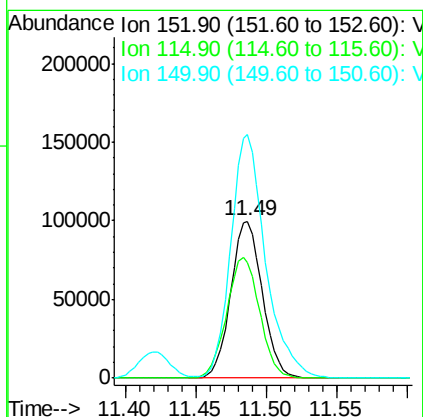
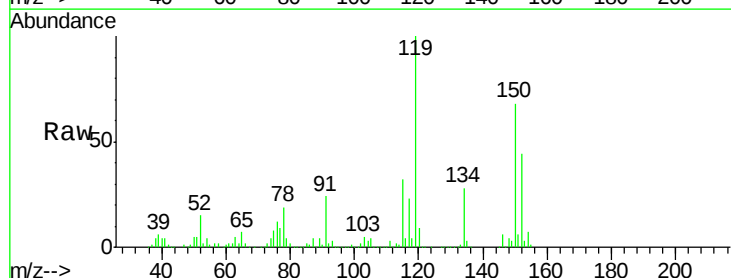
RT: 11.49 min Scan# 3389

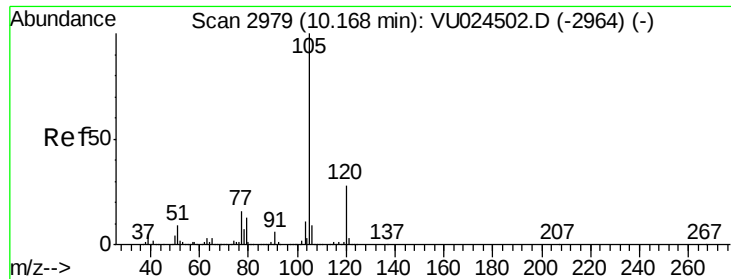
Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion:	152	Resp:	156160
Ion Ratio	Lower	Upper	
152	100		
115	80.3	43.0	129.0
150	170.7	0.0	354.0





#73

Isopropylbenzene

Concen: 44.243 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 530445

Ion Ratio Lower Upper

105 100

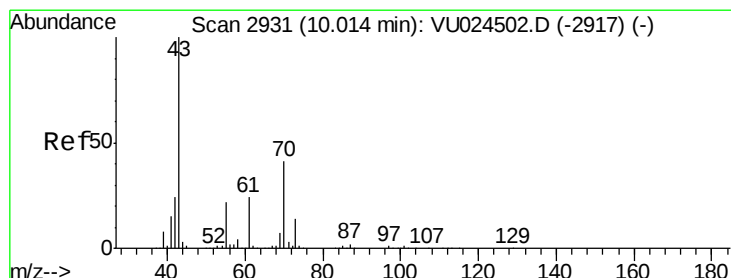
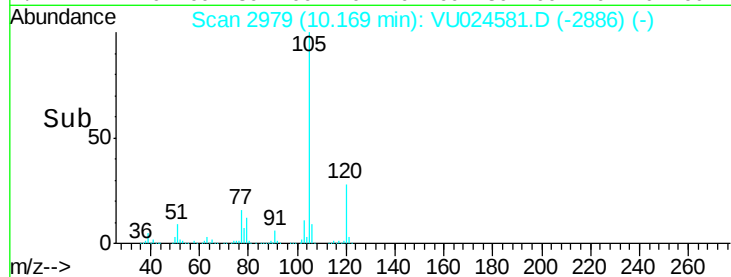
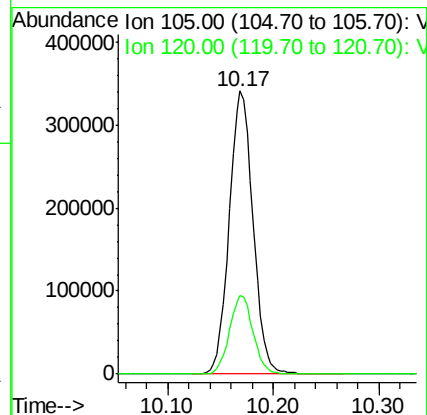
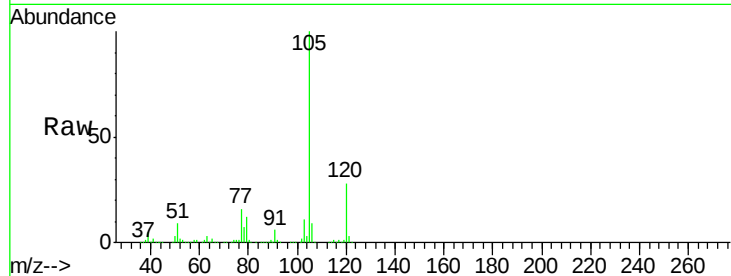
120 27.6 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 43.978 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion: 43 Resp: 250796

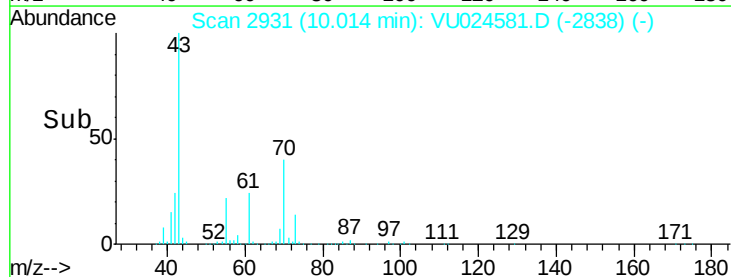
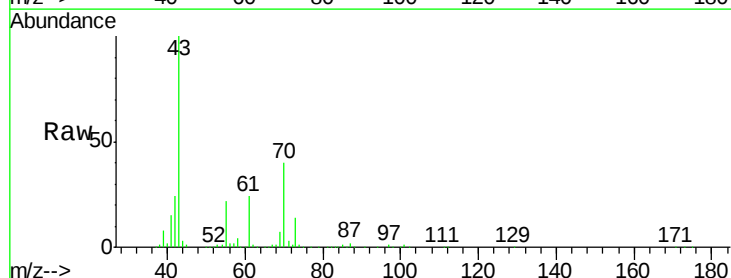
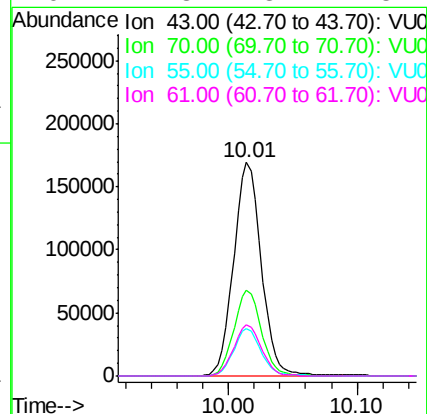
Ion Ratio Lower Upper

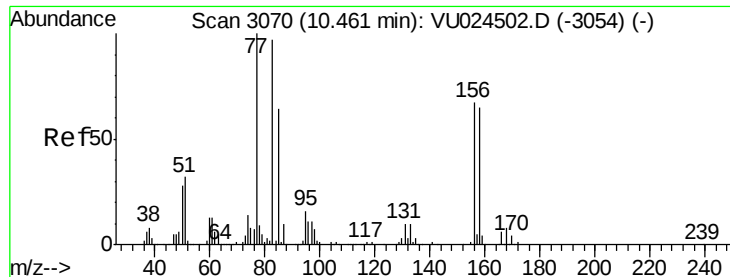
43 100

70 40.4 32.2 48.4

55 21.9 20.5 30.7

61 24.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 45.720 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 183686

Ion Ratio Lower Upper

83 100

131 10.4 4.7 14.1

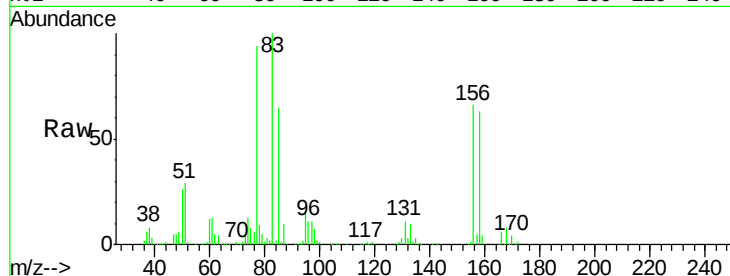
85 64.8 32.5 97.5

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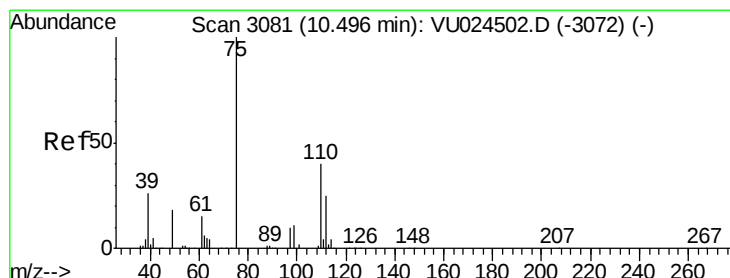
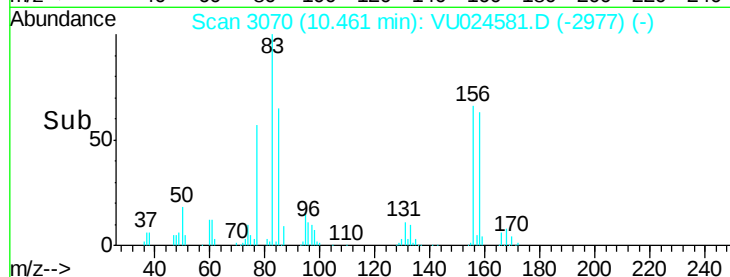
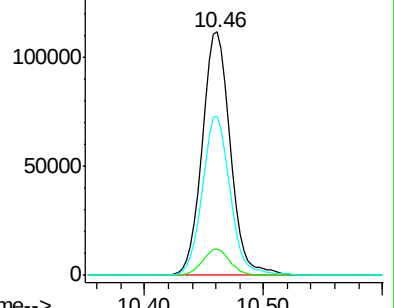
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Abundance Ion 82.90 (82.60 to 83.60): VU024581.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024581.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024581.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 44.311 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024581.D

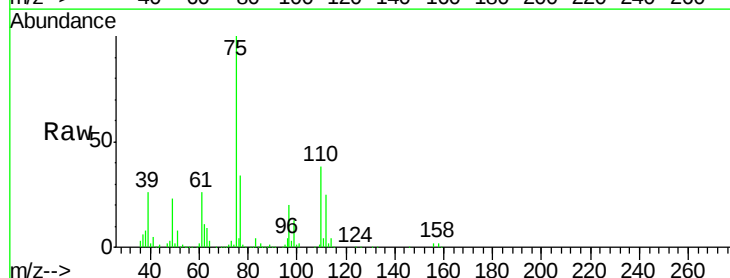
Acq: 15 Jun 2018 07:54

Tgt Ion: 75 Resp: 152345

Ion Ratio Lower Upper

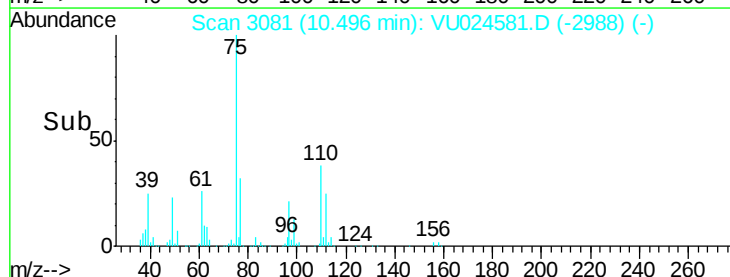
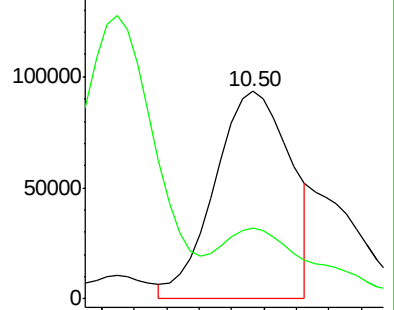
75 100

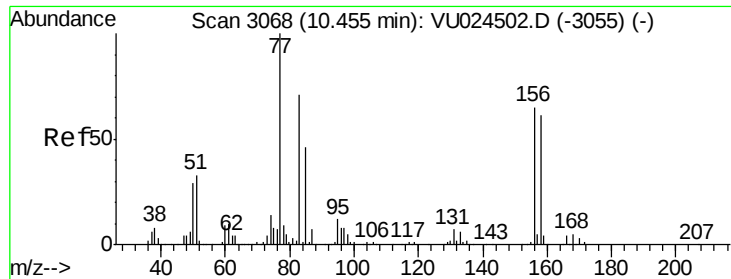
77 41.3 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024581.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024581.D (-2988) (-)





#77

Bromobenzene

Concen: 46.544 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

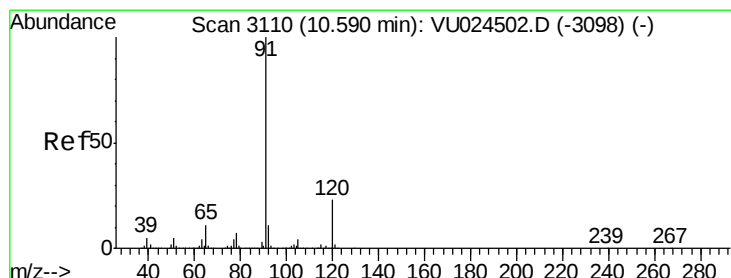
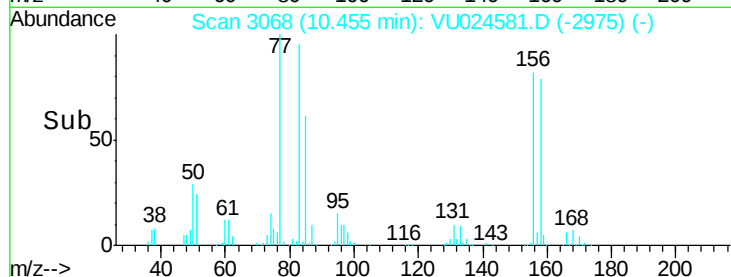
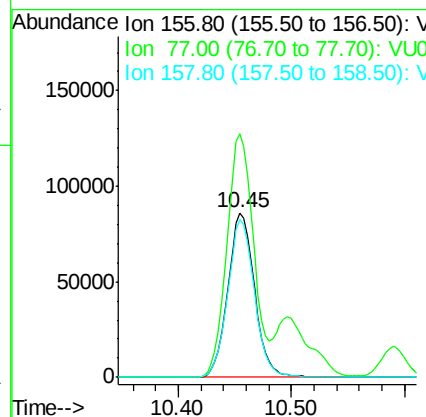
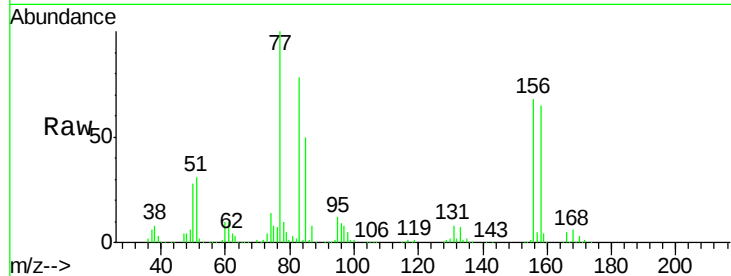
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	141273
Ion Ratio	Lower	Upper	
156	100		
77	147.8	80.5	241.3
158	95.7	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 44.158 ug/l

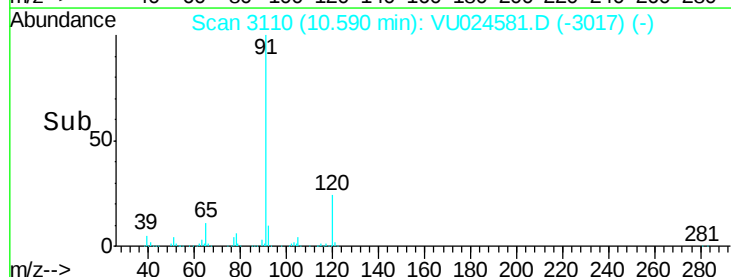
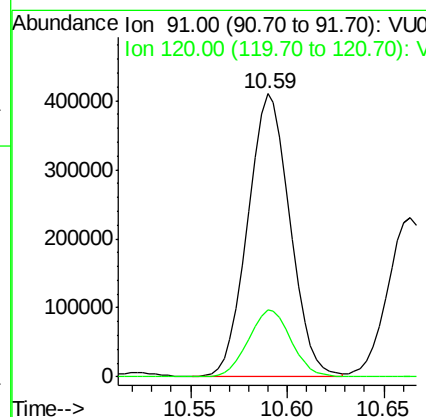
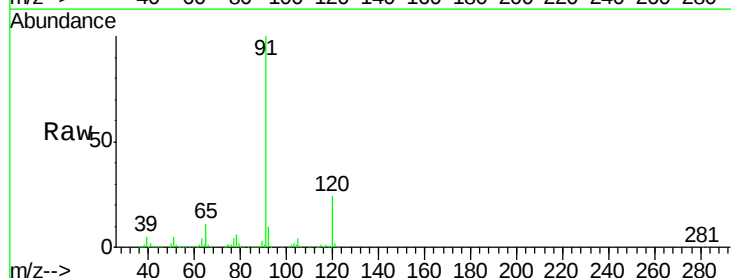
RT: 10.59 min Scan# 3110

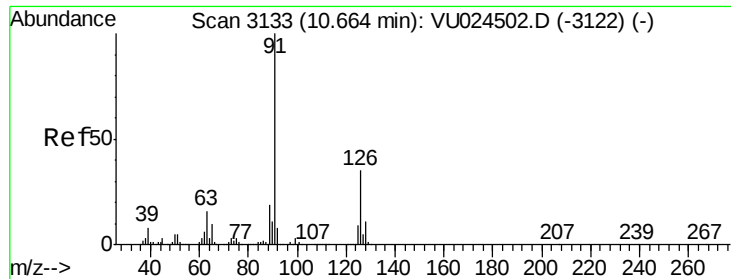
Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion:	91	Resp:	623658
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 44.262 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 368648

Ion Ratio Lower Upper

91 100

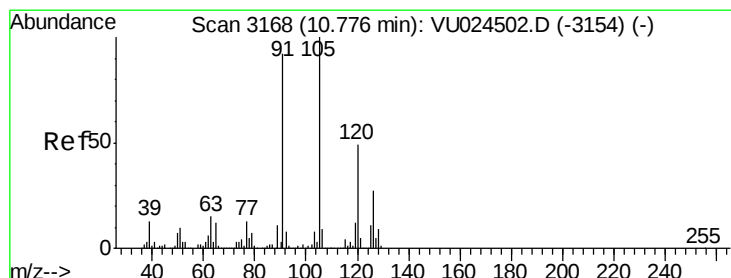
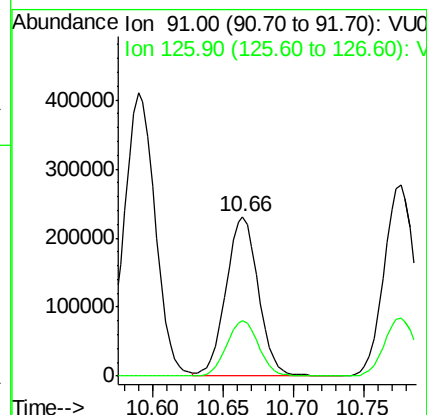
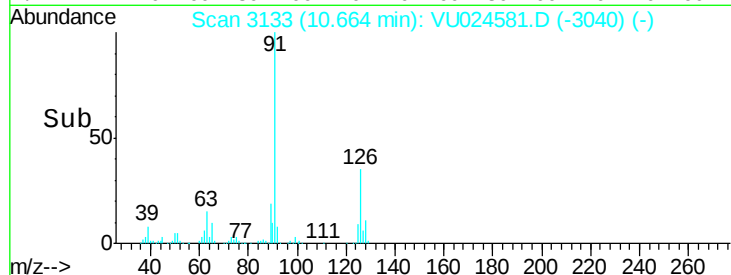
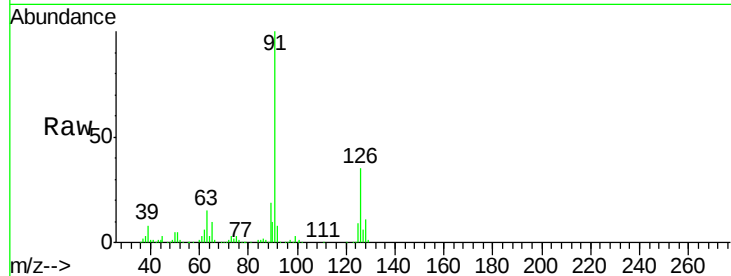
126 34.9 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 43.987 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024581.D

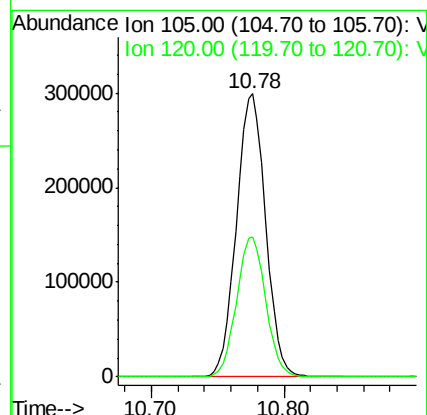
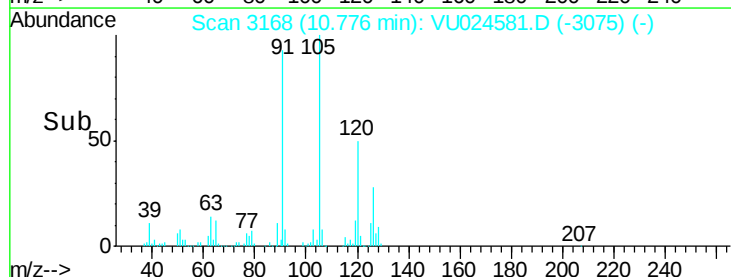
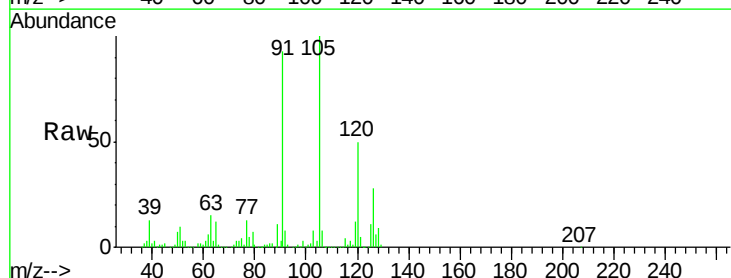
Acq: 15 Jun 2018 07:54

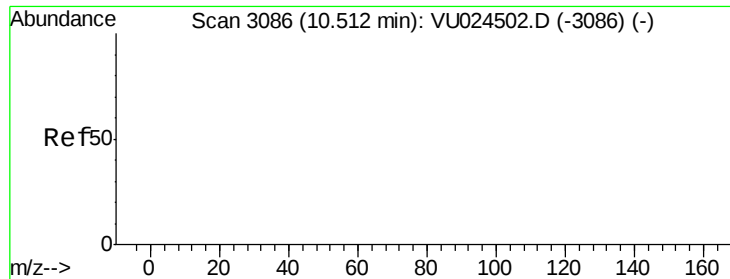
Tgt Ion: 105 Resp: 457096

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.2





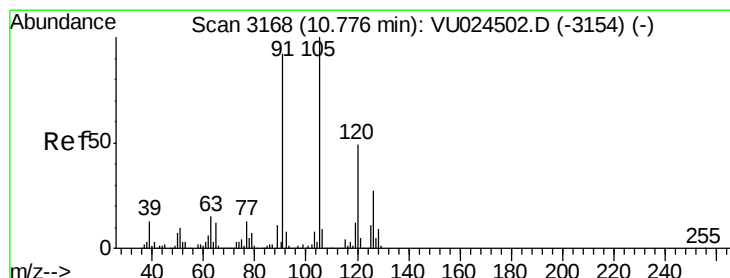
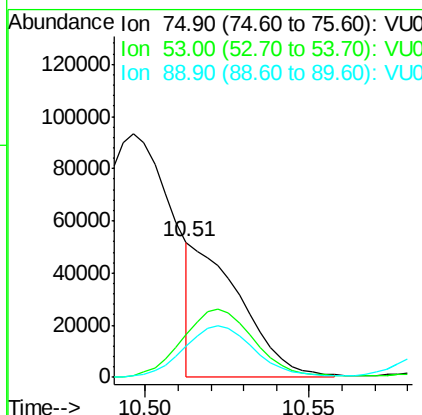
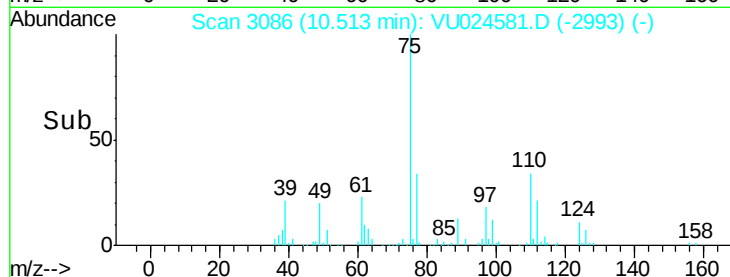
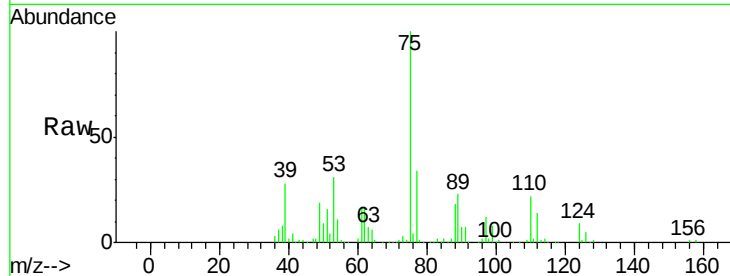
#81
trans-1,4-Dichloro-2-butene
Concen: 36.124 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

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

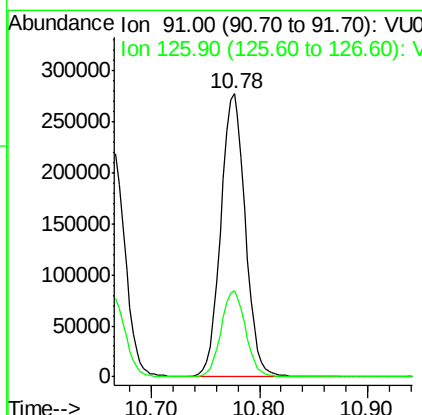
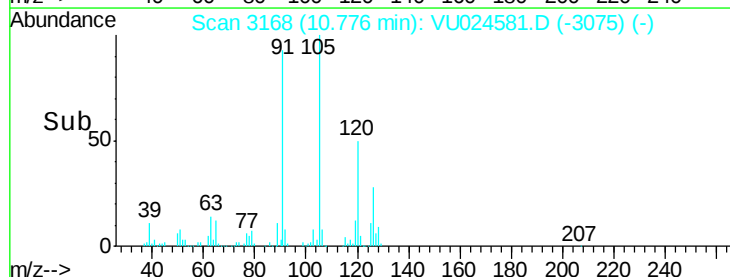
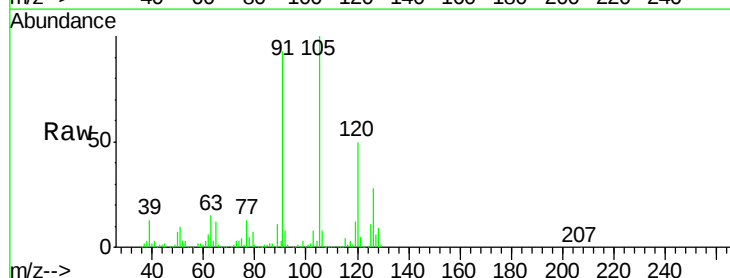
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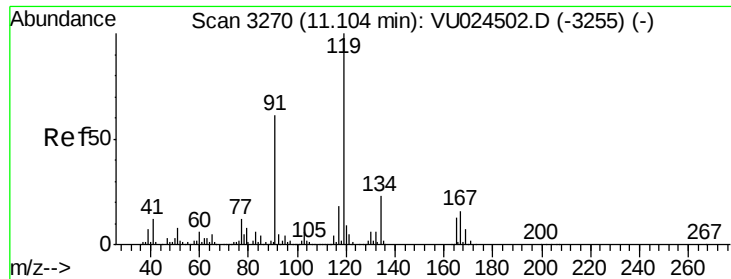
apatel
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#82
4-Chlorotoluene
Concen: 44.976 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	14.9	44.9





#83

tert-Butylbenzene

Concen: 43.785 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

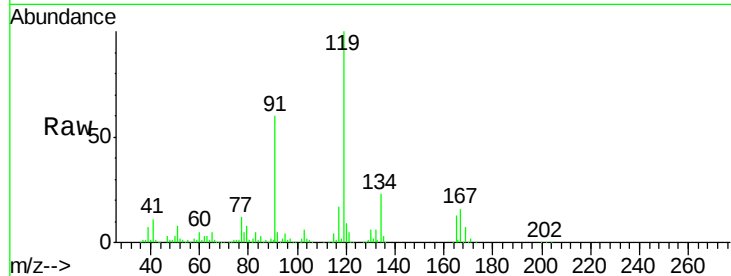
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	437673
Ion Ratio	Lower	Upper	
119	100		
91	60.7	29.7	89.1
134	23.3	11.6	34.7

Manual Integrations
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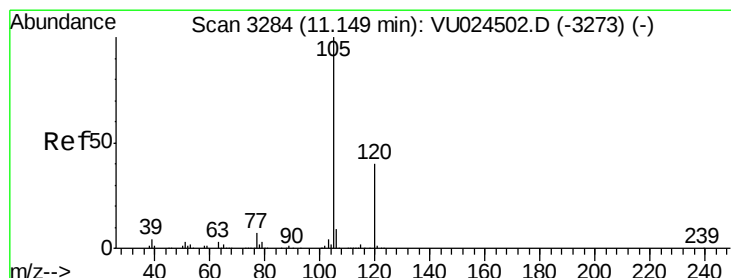
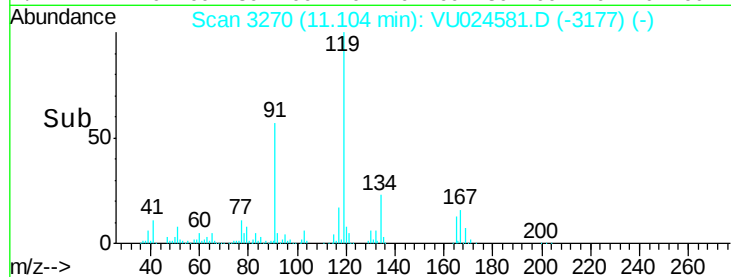
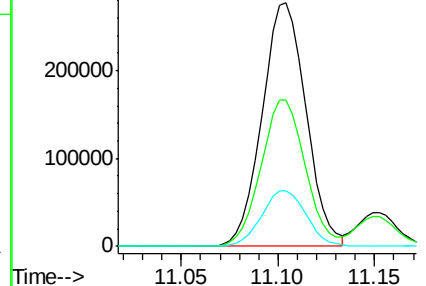
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 44.271 ug/l

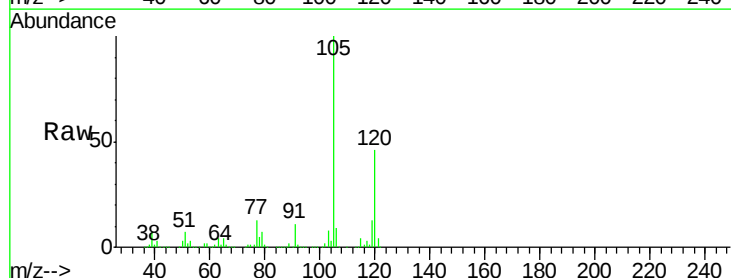
RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024581.D

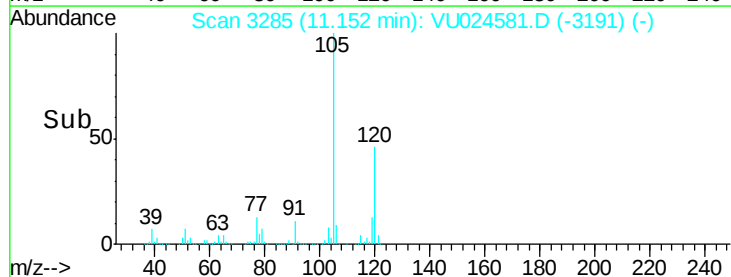
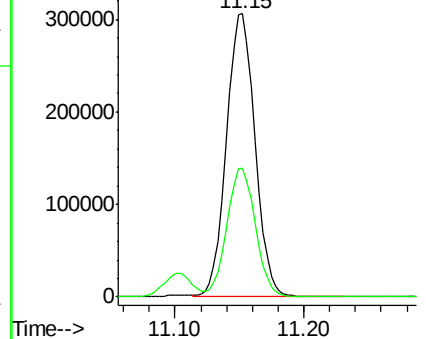
Acq: 15 Jun 2018 07:54

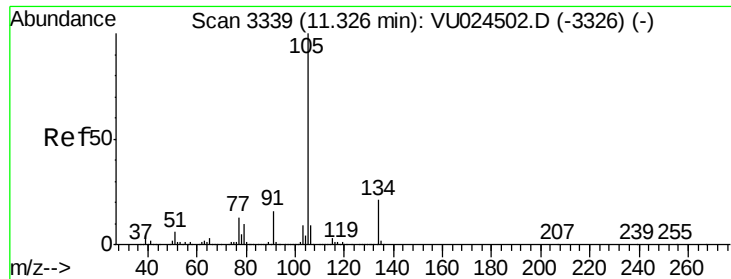
Tgt Ion:	105	Resp:	468836
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 44.060 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 551295

Ion Ratio Lower Upper

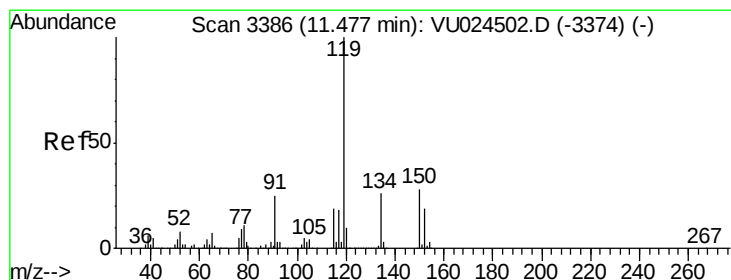
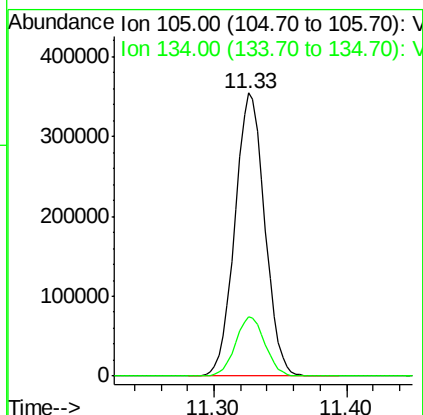
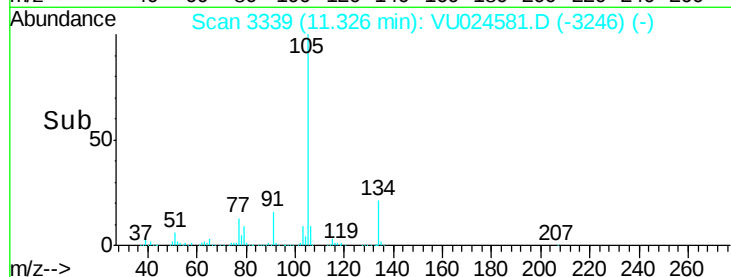
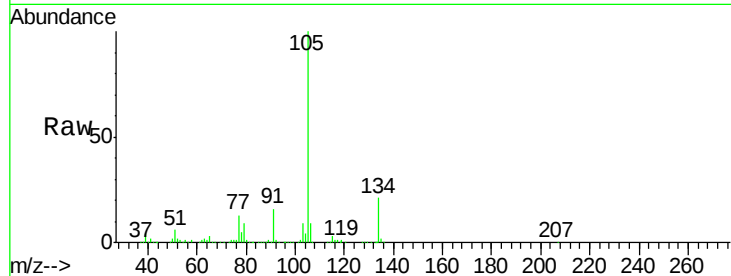
105 100

134 20.7 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 43.816 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

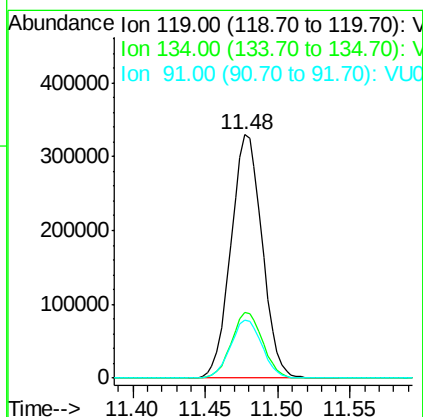
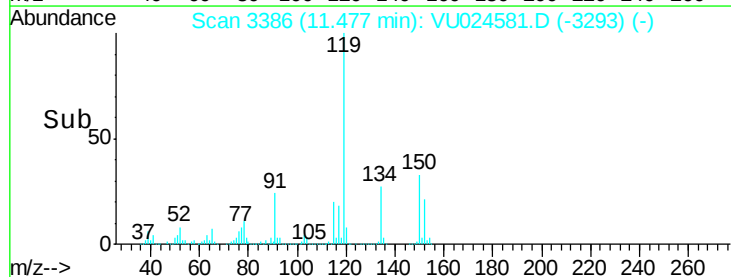
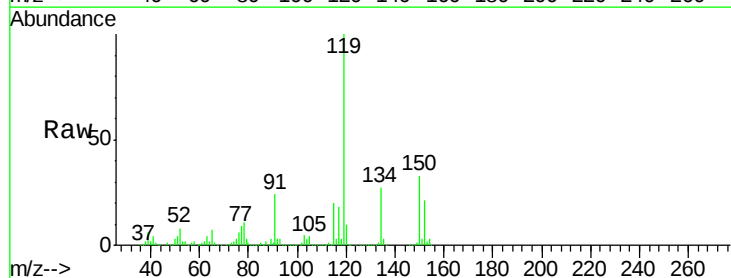
Tgt Ion:119 Resp: 491013

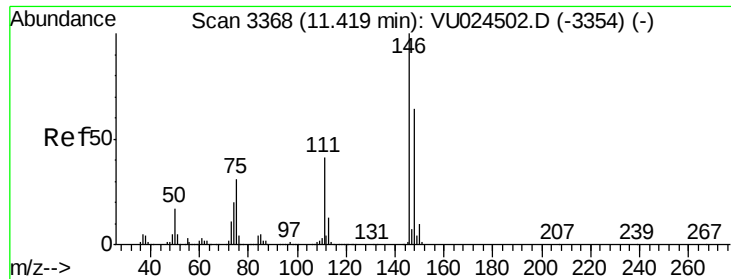
Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

91 24.2 12.0 36.1





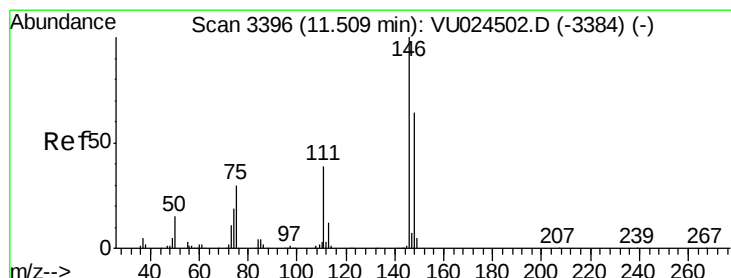
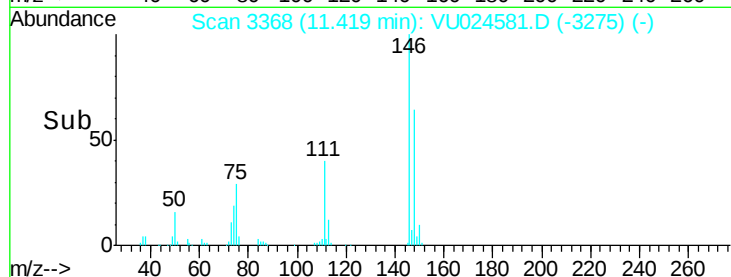
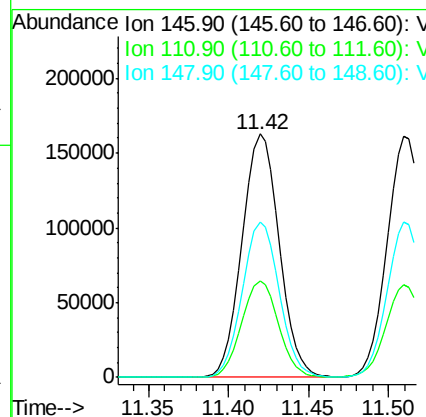
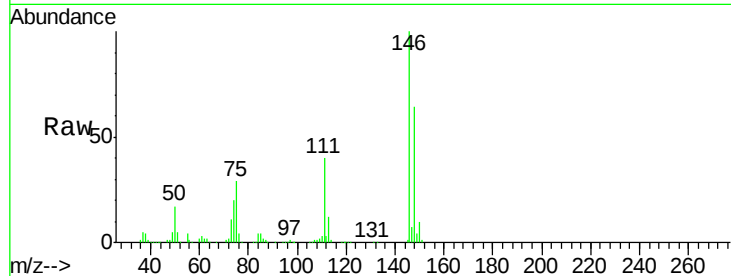
#87
 1,3-Dichlorobenzene
 Concen: 45.984 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	63.3	32.1	96.5

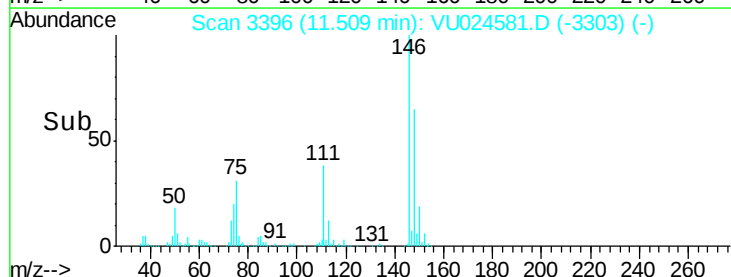
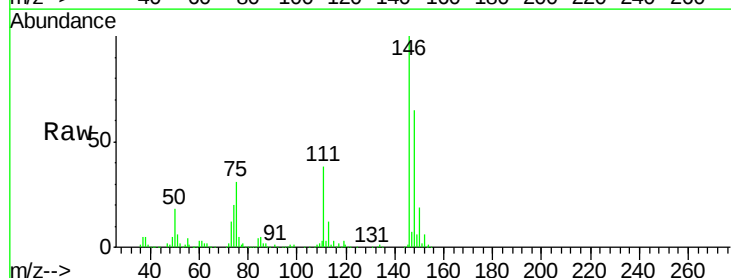
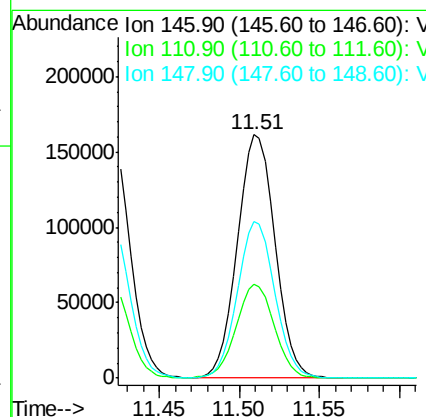
Manual Integrations
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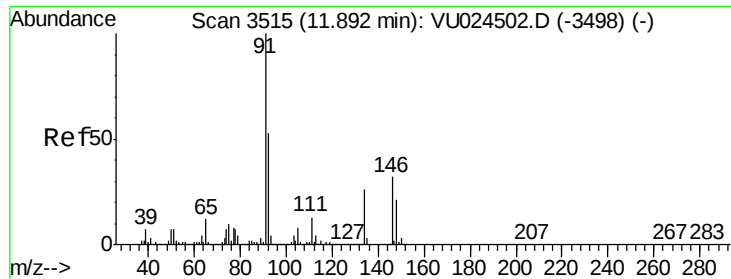
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 45.776 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	63.9	32.4	97.0





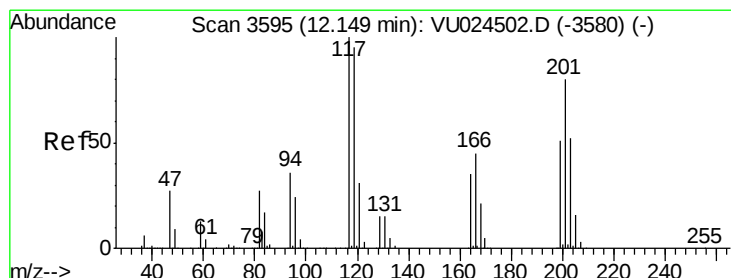
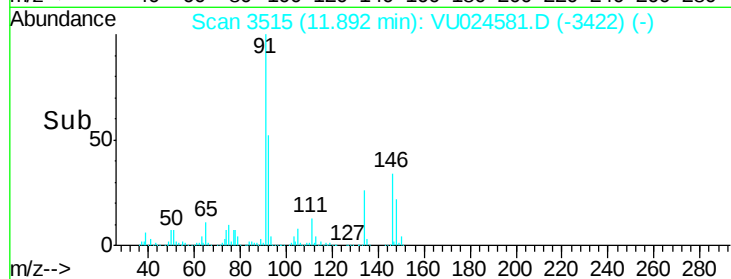
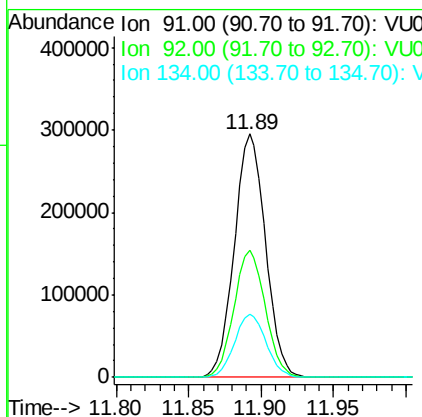
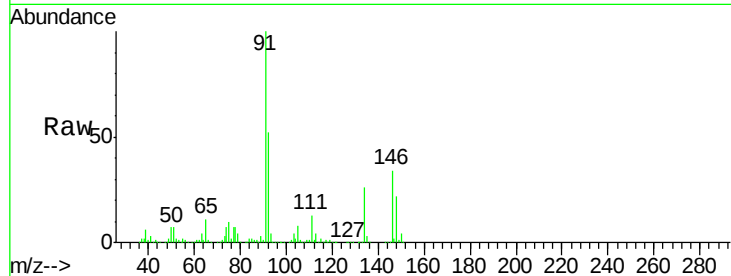
#89
n-Butylbenzene
Concen: 44.139 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.6	76.8
134	26.5	12.3	36.8

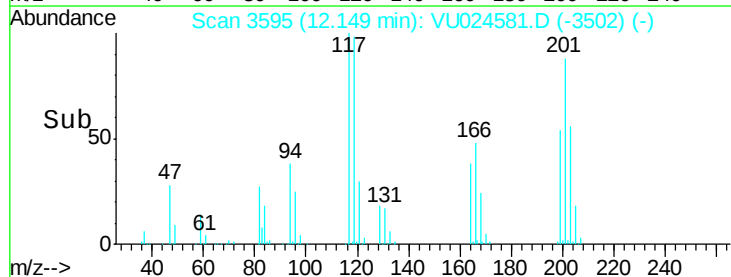
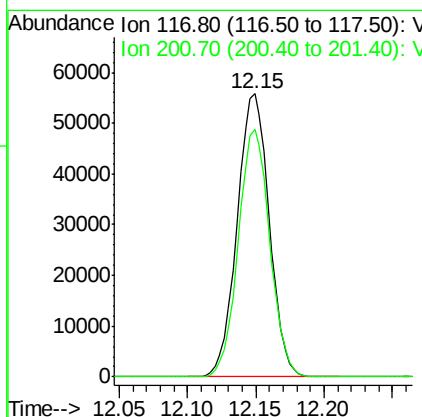
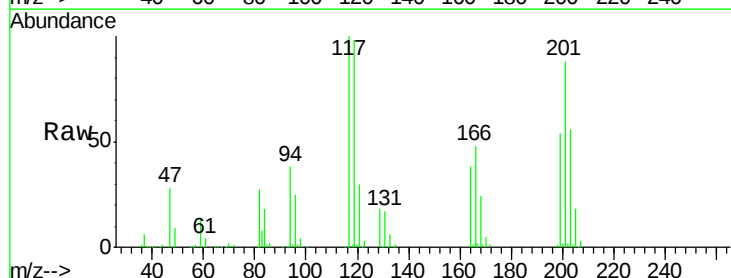
Manual Integrations
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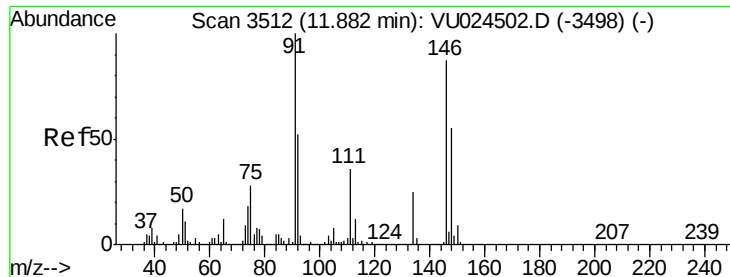
apatel
6/15/2018 3:29:28 PM



#90
Hexachloroethane
Concen: 41.741 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 45.319 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

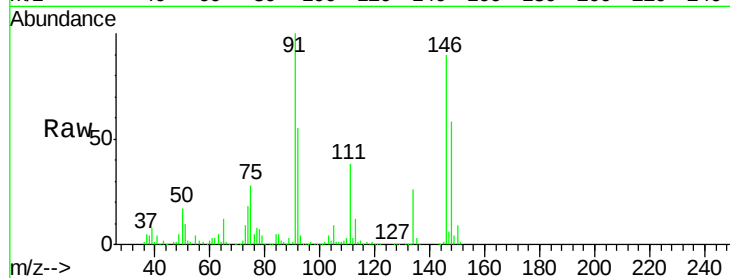
ClientSampleId :

VSTDCCC050EC

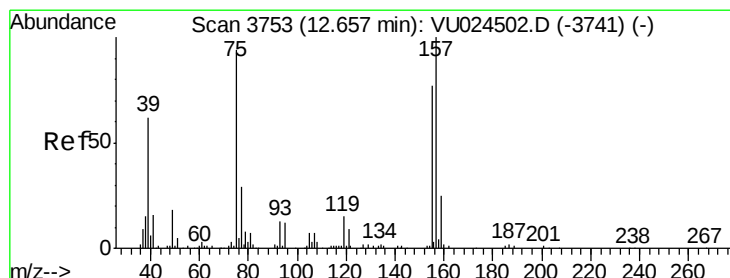
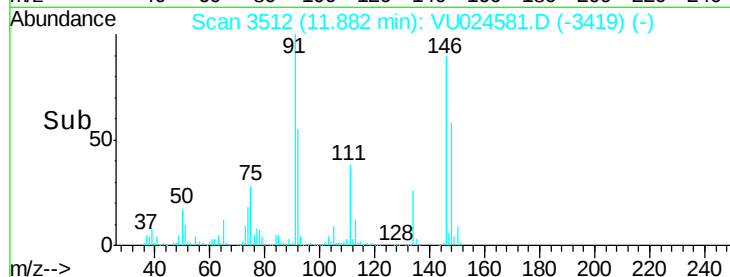
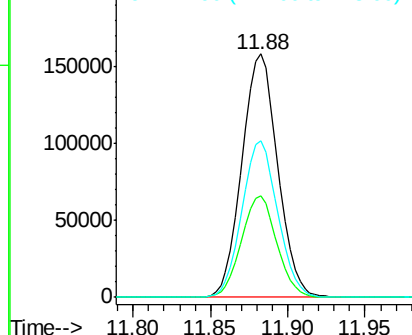
Tot Ion:	146	Resp:	254548
Ion Ratio		Lower	Upper
146	100		
111	41.4	20.5	61.6
148	64.2	31.9	95.7

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.821 ug/l

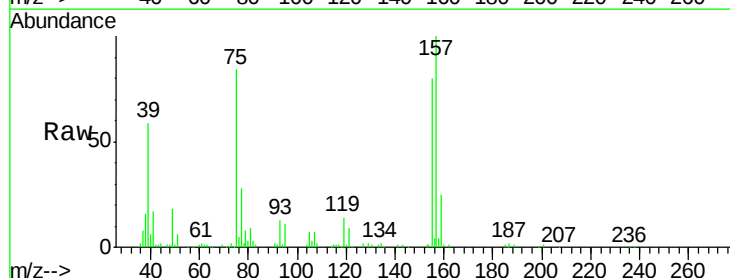
RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

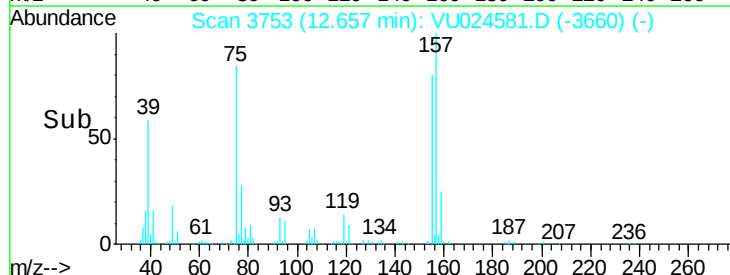
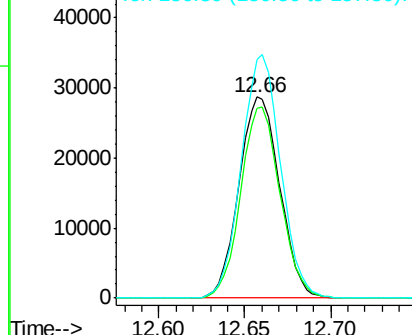
Lab File: VU024581.D

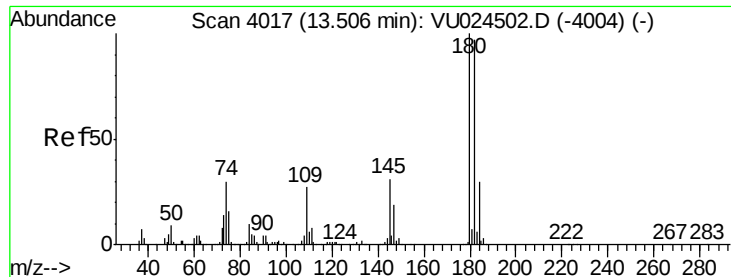
Acq: 15 Jun 2018 07:54

Tgt Ion:	75	Resp:	47471
Ion Ratio		Lower	Upper
75	100		
155	91.6	40.4	121.2
157	116.0	52.3	156.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





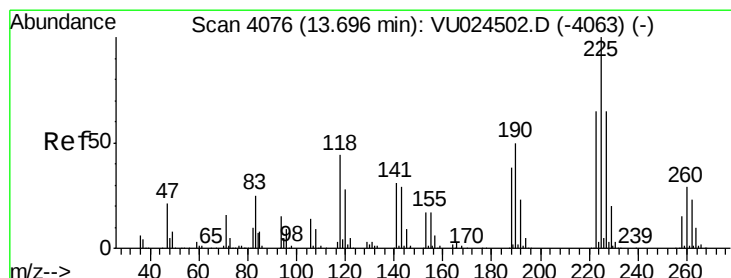
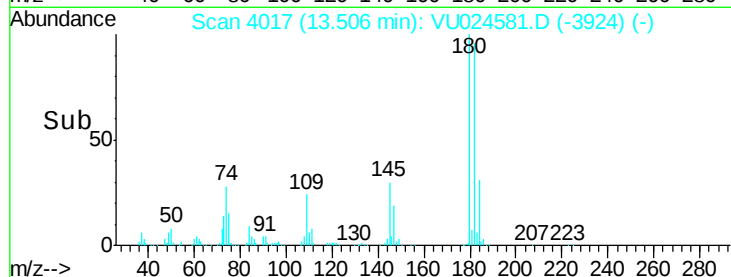
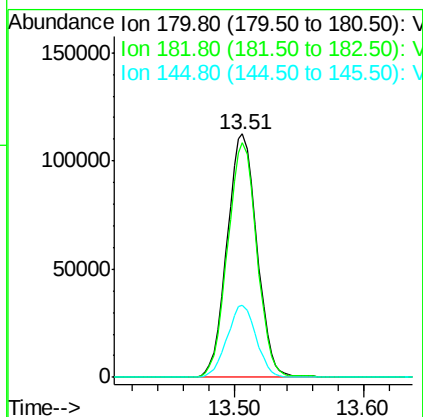
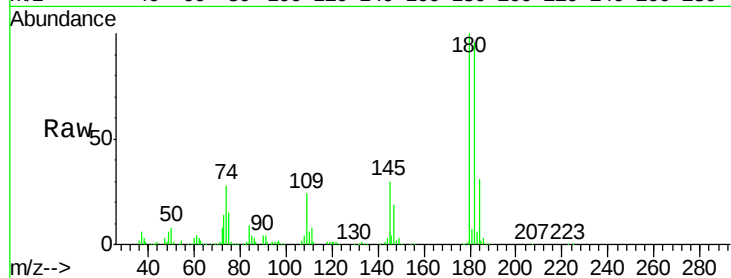
#93
 1,2,4-Trichlorobenzene
 Concen: 51.956 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	180208		
182	94.7	48.0	144.2	
145	29.1	14.7	44.1	

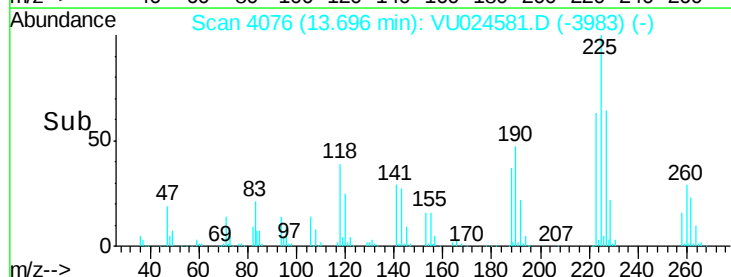
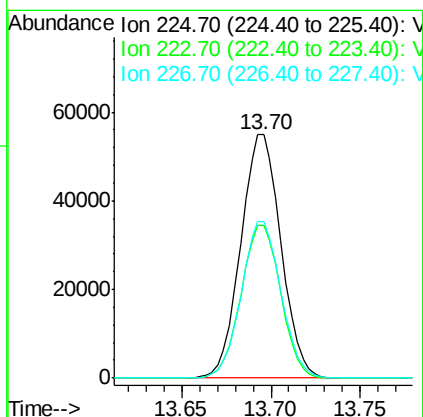
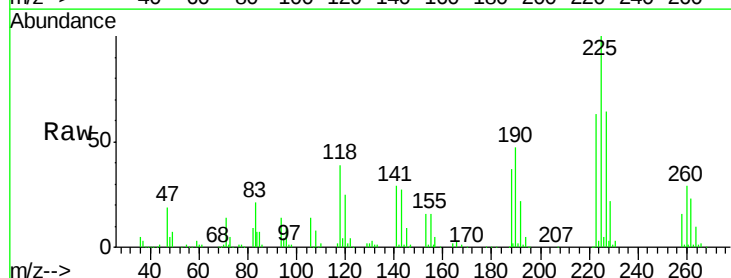
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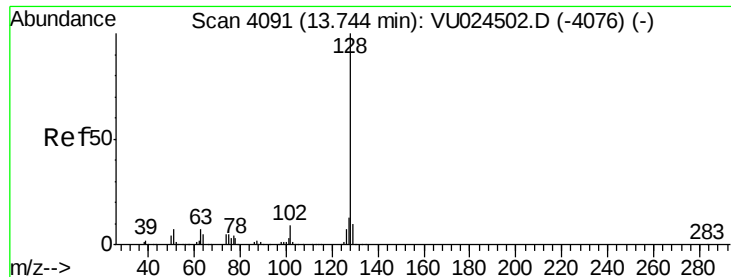
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#94
 Hexachlorobutadiene
 Concen: 44.140 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86173		
223	61.9	31.3	93.8	
227	63.5	31.8	95.4	





#95

Naphthalene

Concen: 48.286 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_U

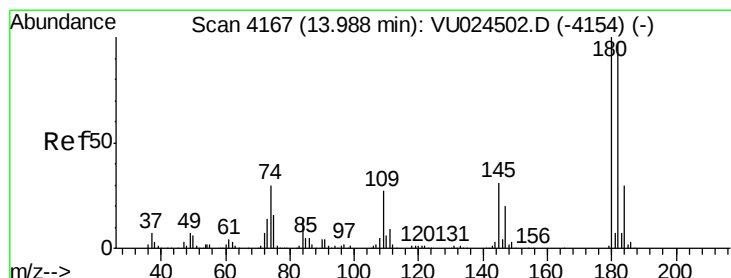
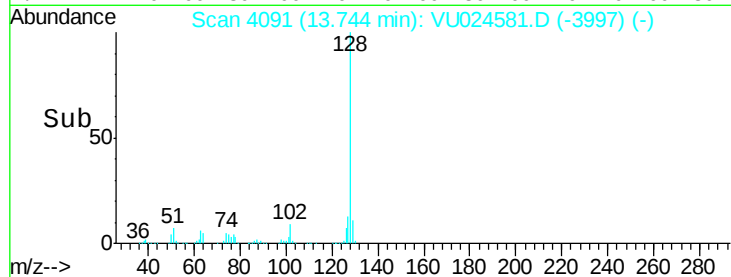
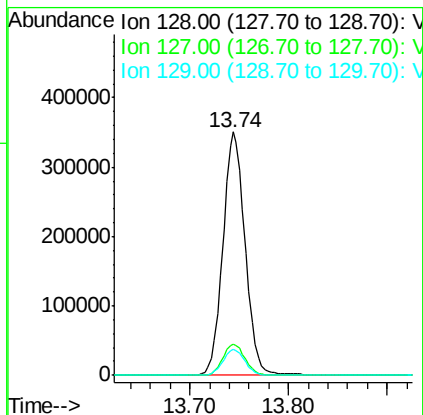
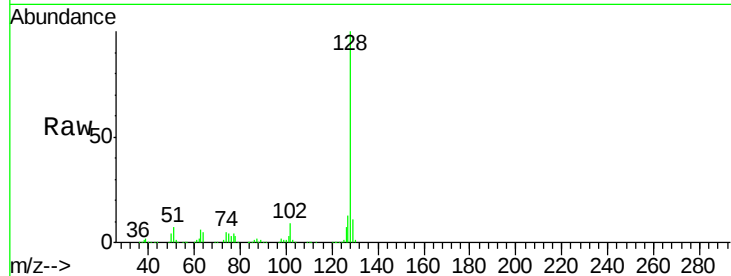
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	554175
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	10.7	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 52.791 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion:	180	Resp:	182452
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.9	143.7
145	31.0	15.4	46.1

