

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027253.D
 Acq On : 28 Sep 2018 02:48
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:07:23 PM

Quant Time: Sep 28 05:20:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	78535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	135416	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	131027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	79183	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	4.88	113	56912	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	7.57	98	208255	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
62) 4-Bromofluorobenzene	10.31	95	78616	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	59721	58.243	ug/l	99
3) Chloromethane	1.33	50	83371	47.159	ug/l	98
4) Vinyl Chloride	1.40	62	88426	53.585	ug/l	98
5) Bromomethane	1.61	94	65628	69.837	ug/l	98
6) Chloroethane	1.69	64	53503	50.743	ug/l	100
7) Trichlorofluoromethane	1.88	101	95187	50.787	ug/l	99
8) Diethyl Ether	2.10	74	45186	50.088	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	52741	45.765	ug/l	99
10) Methyl Iodide	2.41	142	32092	22.453	ug/l	97
11) Tert butyl alcohol	2.83	59	89861	248.032	ug/l	99
12) 1,1-Dichloroethene	2.28	96	52320	48.235	ug/l	97
13) Acrolein	2.20	56	29403	150.552	ug/l	98
14) Allyl chloride	2.59	41	125497	57.044	ug/l	97
15) Acrylonitrile	2.94	53	255397	279.696	ug/l	99
16) Acetone	2.32	43	211153	251.590	ug/l	99
17) Carbon Disulfide	2.48	76	188992	53.485	ug/l	100
18) Methyl Acetate	2.62	43	136675	60.750	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	223455	56.060	ug/l	100
20) Methylene Chloride	2.70	84	70642	49.903	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	62484	53.955	ug/l	99
22) Diisopropyl ether	3.57	45	276662	58.794	ug/l	99
23) Vinyl Acetate	3.53	43	1192907	297.397	ug/l	99
24) 1,1-Dichloroethane	3.45	63	141430	54.571	ug/l	99
25) 2-Butanone	4.26	43	363406	273.576	ug/l	98
26) 2,2-Dichloropropane	4.23	77	84032	41.576	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	70445	53.863	ug/l	100
28) Bromochloromethane	4.55	49	68246	54.627	ug/l	94
29) Tetrahydrofuran	4.64	42	236524	294.343	ug/l	97
30) Chloroform	4.67	83	126301	52.501	ug/l	99
31) Cyclohexane	5.00	56	130634	55.514	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	105207	54.774	ug/l	99
36) 1,1-Dichloropropene	5.14	75	95807	53.012	ug/l	99
37) Ethyl Acetate	4.38	43	130479	53.331	ug/l	99
38) Carbon Tetrachloride	5.14	117	88922	51.703	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	110342	56.182	ug/l	99
40) Benzene	5.39	78	284474	51.778	ug/l	100
41) Methacrylonitrile	4.54	41	75498	59.418	ug/l	96
42) 1,2-Dichloroethane	5.40	62	110137	53.059	ug/l	100
43) Isopropyl Acetate	5.55	43	202146	56.655	ug/l	99
44) Trichloroethene	6.19	130	62055	53.055	ug/l	98
45) 1,2-Dichloropropane	6.43	63	84586	54.033	ug/l	98
46) Dibromomethane	6.56	93	49047	51.876	ug/l	99
47) Bromodichloromethane	6.76	83	98686	51.621	ug/l	97
48) Methyl methacrylate	6.62	41	104954	53.962	ug/l	99
49) 1,4-Dioxane	6.61	88	34671	898.792	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	696567	290.270	ug/l	99
52) Toluene	7.64	92	173122	54.973	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	112968	54.998	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	121040	53.594	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	68006	50.964	ug/l	99
56) Ethyl methacrylate	8.02	69	118882	51.287	ug/l	97
57) 1,3-Dichloropropane	8.24	76	132897	53.547	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	316645	241.155	ug/l	98
59) 2-Hexanone	8.36	43	529530	281.897	ug/l	99
60) Dibromochloromethane	8.48	129	69851	53.366	ug/l	99
61) 1,2-Dibromoethane	8.59	107	72951	52.543	ug/l	100
64) Tetrachloroethene	8.23	164	54285	53.766	ug/l	97
65) Chlorobenzene	9.12	112	178450	51.364	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	63148	52.771	ug/l	99
67) Ethyl Benzene	9.25	91	321988	56.361	ug/l	99
68) m/p-Xylenes	9.38	106	239762	103.575	ug/l	98
69) o-Xylene	9.78	106	116046	57.331	ug/l	100
70) Styrene	9.79	104	192914	51.005	ug/l	99
71) Bromoform	9.96	173	50705	54.794	ug/l #	98
73) Isopropylbenzene	10.17	105	313727	56.740	ug/l	100
74) N-amyl acetate	10.02	43	184622	57.684	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	122246	48.087	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	111571m	50.526	ug/l	
77) Bromobenzene	10.45	156	70999	52.546	ug/l	96
78) n-propylbenzene	10.59	91	380617	58.177	ug/l	99
79) 2-Chlorotoluene	10.66	91	223402	54.363	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	261307	57.251	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	30172m	43.726	ug/l	
82) 4-Chlorotoluene	10.77	91	257737	55.934	ug/l	99
83) tert-Butylbenzene	11.10	119	246031	54.522	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	266493	57.372	ug/l	99
85) sec-Butylbenzene	11.32	105	315682	57.309	ug/l	100
86) p-Isopropyltoluene	11.48	119	266699	51.569	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	131283	52.213	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	132412	48.319	ug/l	99
89) n-Butylbenzene	11.89	91	251068	50.104	ug/l	99
90) Hexachloroethane	12.15	117	48702	48.620	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	132043	49.438	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28014	54.017	ug/l	98

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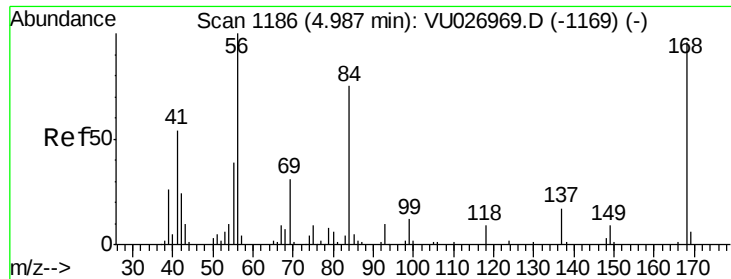
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	84883	55.150	ug/l	99
94) Hexachlorobutadiene	13.69	225	41743	51.257	ug/l	100
95) Naphthalene	13.74	128	305843	50.796	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	89893	54.462	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 78535

Ion Ratio Lower Upper

168 100

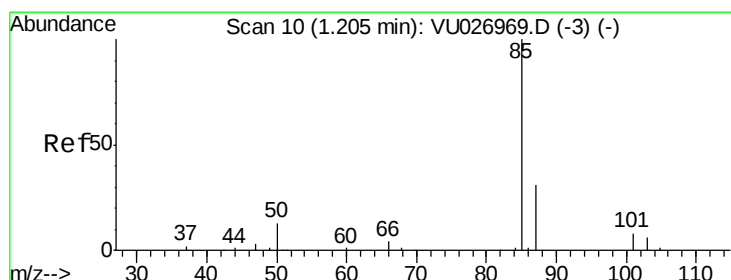
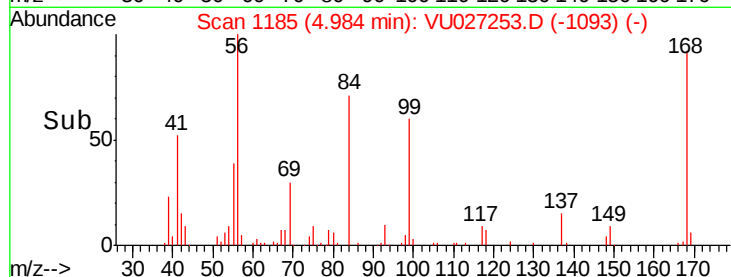
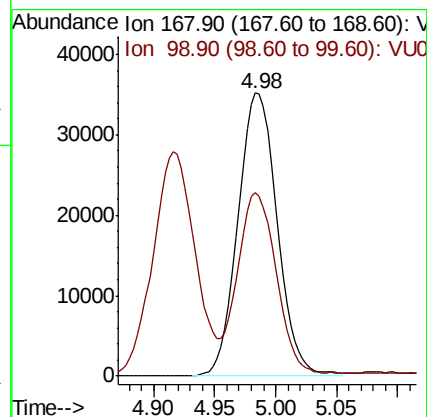
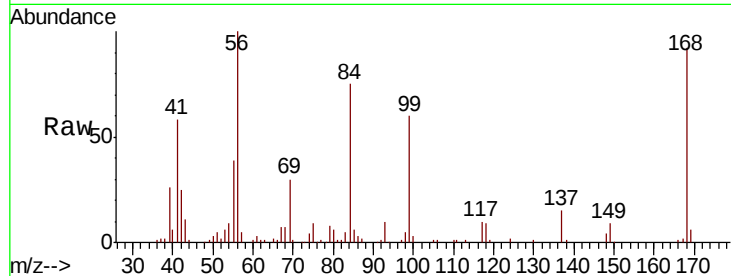
99 63.8 48.1 72.1

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#2

Dichlorodifluoromethane

Concen: 58.243 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027253.D

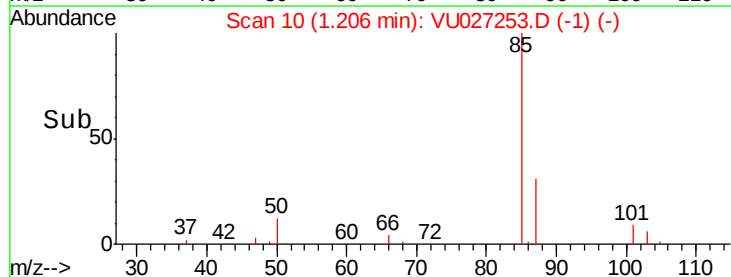
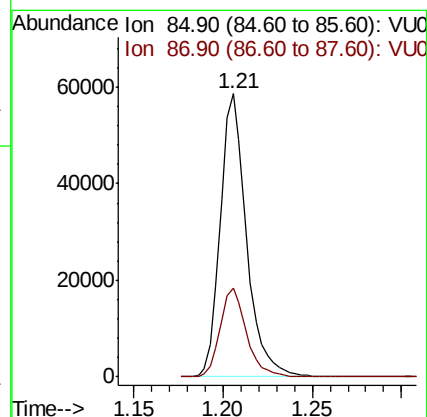
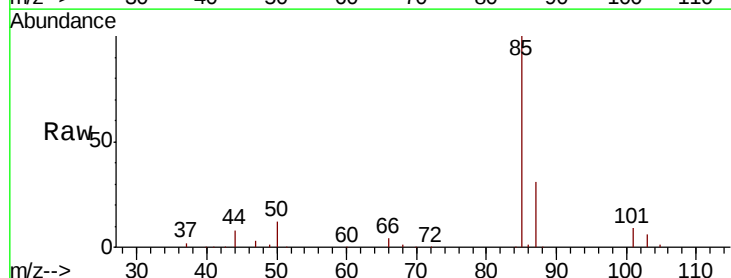
Acq: 28 Sep 2018 02:48

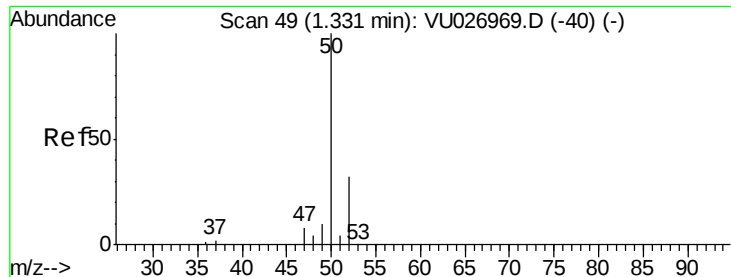
Tgt Ion: 85 Resp: 59721

Ion Ratio Lower Upper

85 100

87 31.5 15.6 46.7





#3

Chloromethane

Concen: 47.159 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 83371

Ion Ratio Lower Upper

50 100

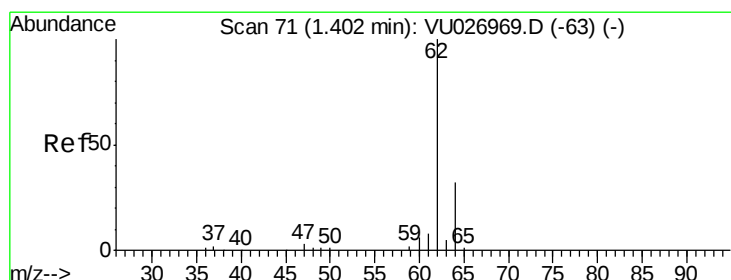
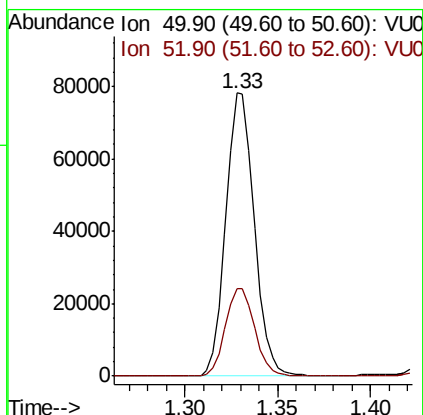
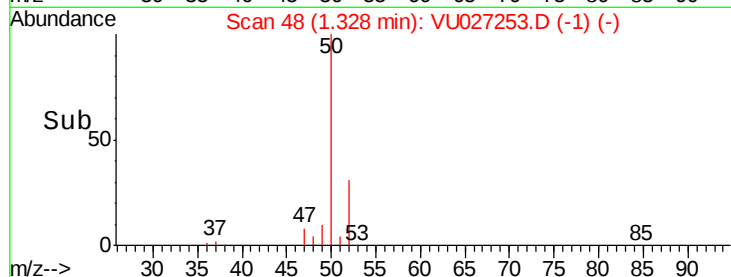
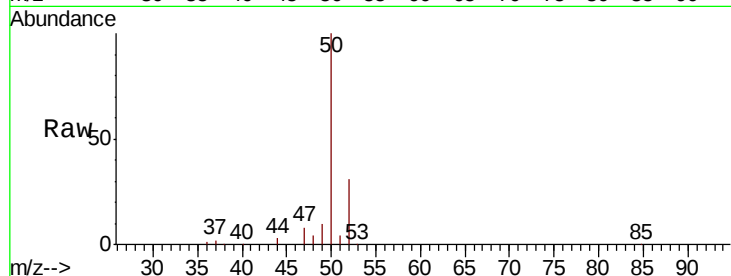
52 31.1 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.585 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027253.D

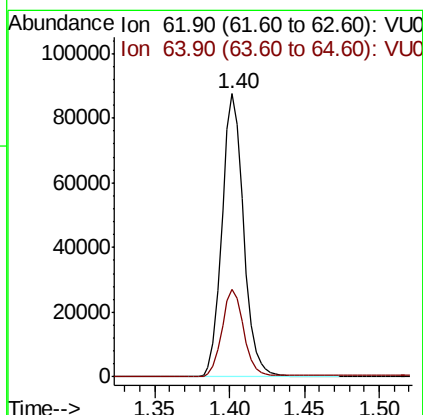
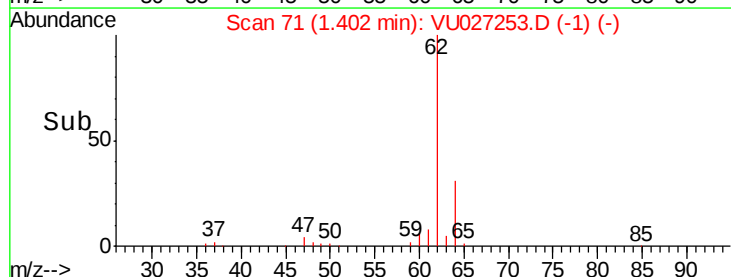
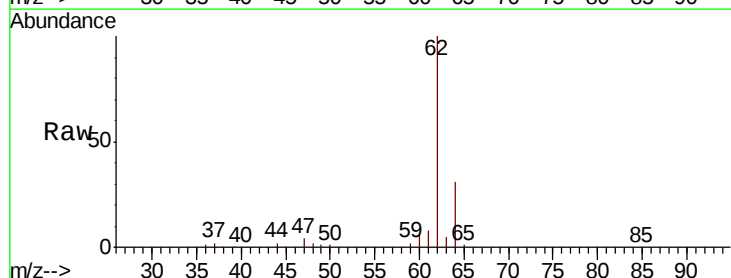
Acq: 28 Sep 2018 02:48

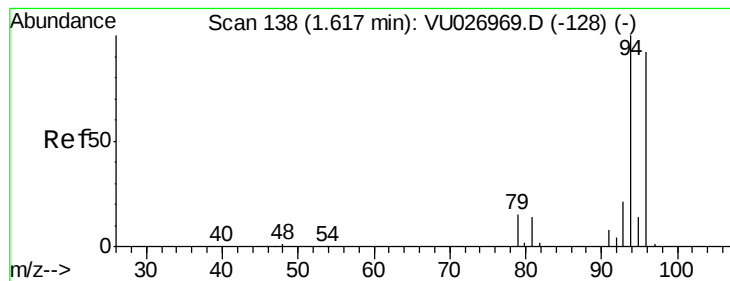
Tgt Ion: 62 Resp: 88426

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 69.837 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 65628

Ion Ratio Lower Upper

94 100

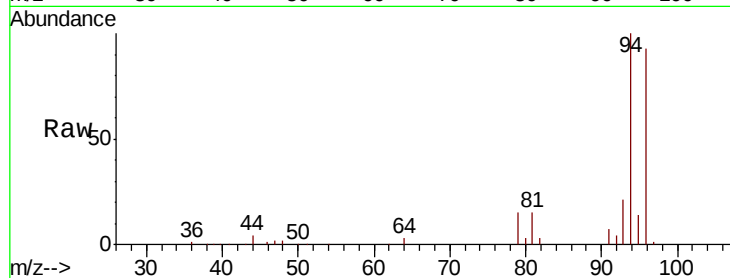
96 93.5 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU026969.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU026969.D (-128) (-)

1.61

60000

50000

40000

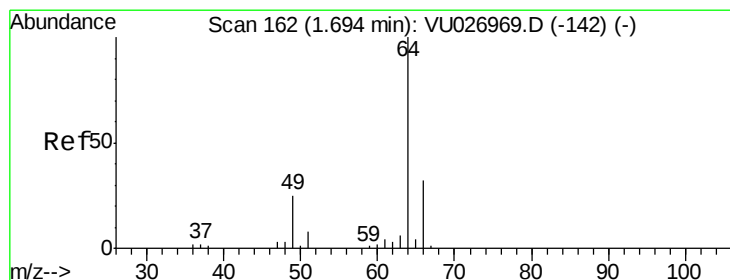
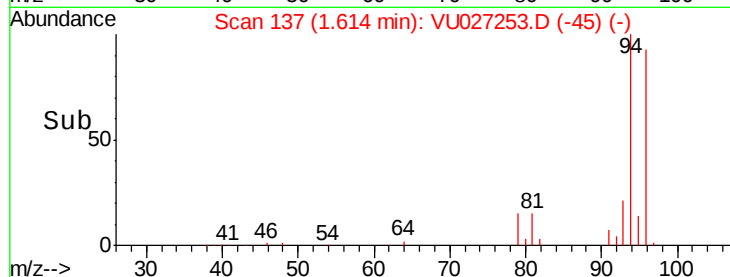
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 50.743 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027253.D

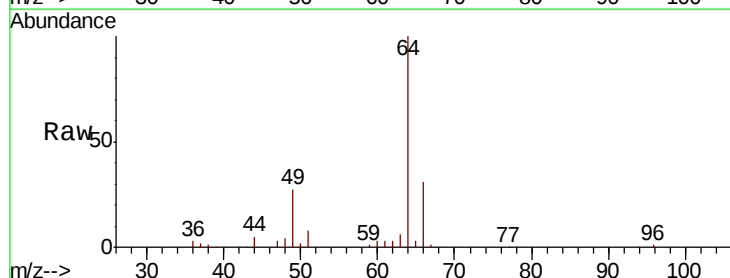
Acq: 28 Sep 2018 02:48

Tgt Ion: 64 Resp: 53503

Ion Ratio Lower Upper

64 100

66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.69

40000

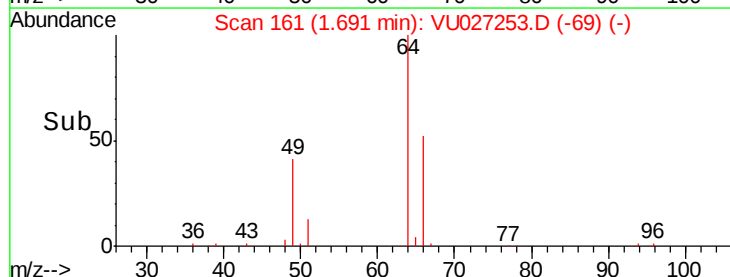
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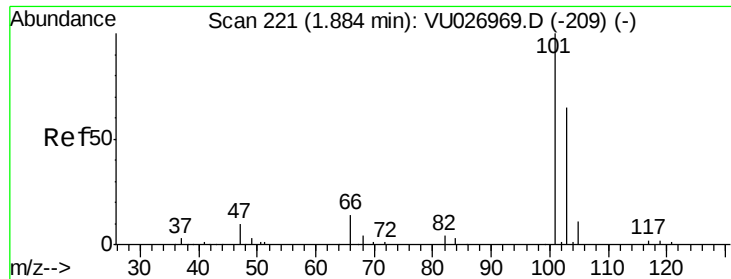
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10000

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Time-->





#7

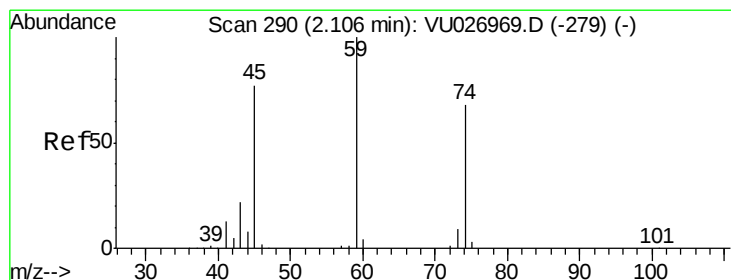
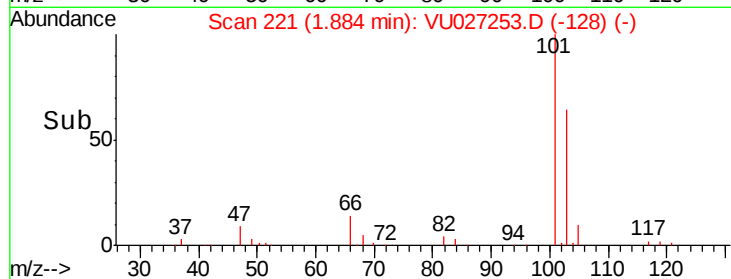
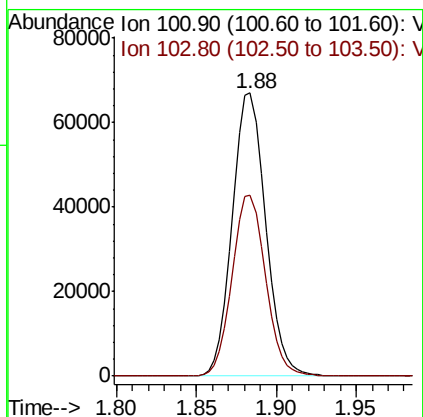
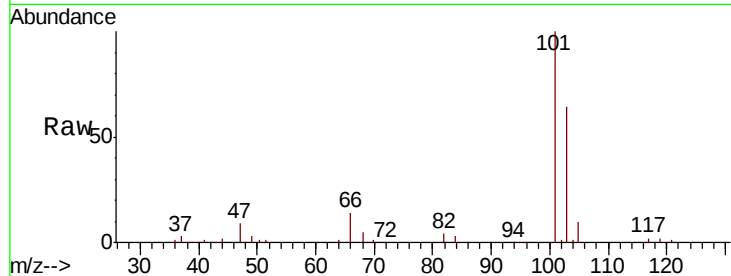
Trichlorofluoromethane
 Concen: 50.787 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
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 VSTDCCC050EC

Tot Ion:101 Resp: 95187
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.2 78.2

Manual Integrations
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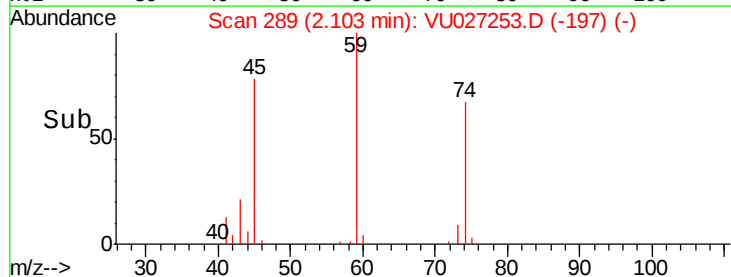
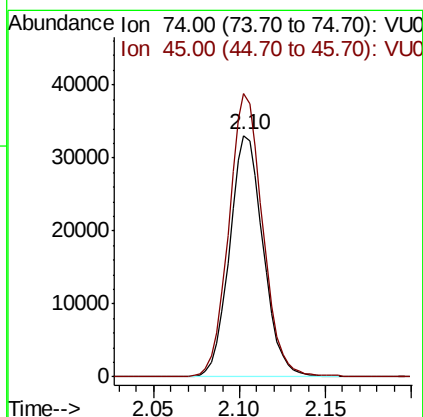
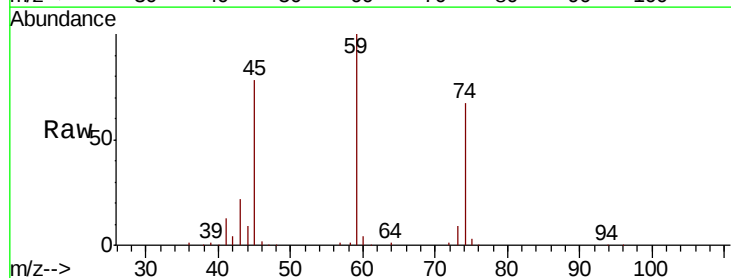
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 10/2/2018 1:07:23 PM

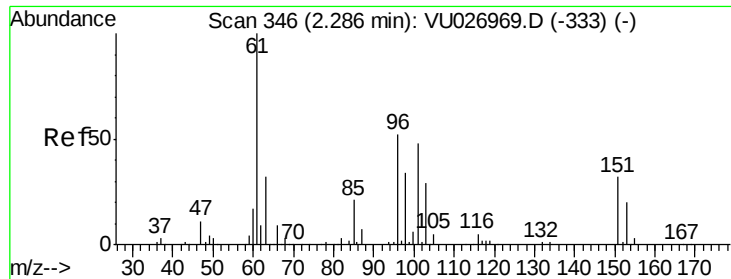


#8

Diethyl Ether
 Concen: 50.088 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion: 74 Resp: 45186
 Ion Ratio Lower Upper
 74 100
 45 118.4 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.765 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

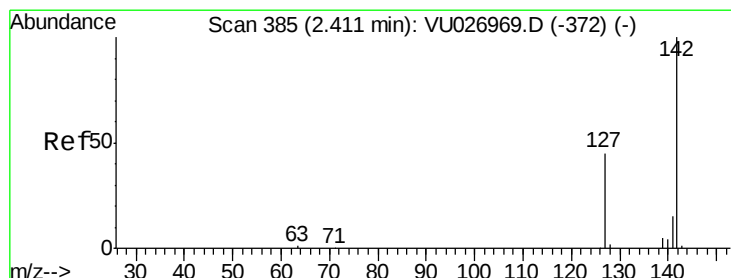
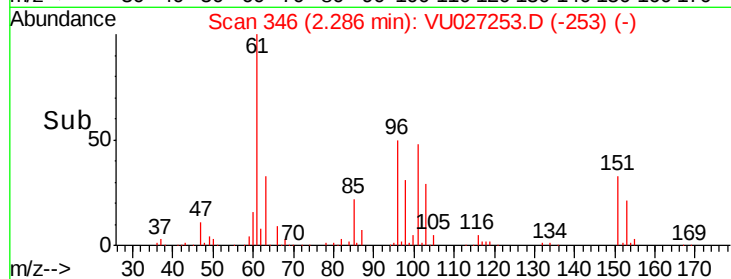
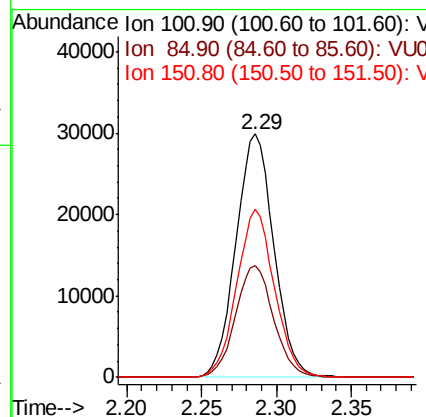
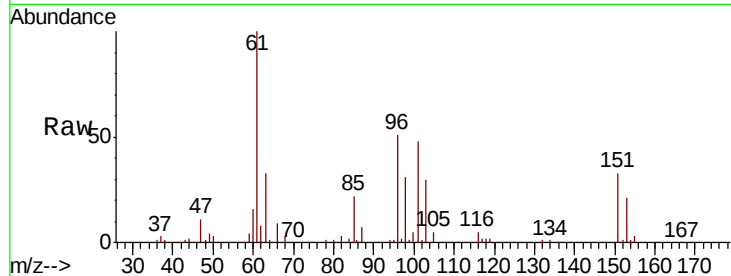
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	52741
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.2	54.2
151	68.5	54.5	81.7

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#10

Methyl Iodide

Concen: 22.453 ug/l

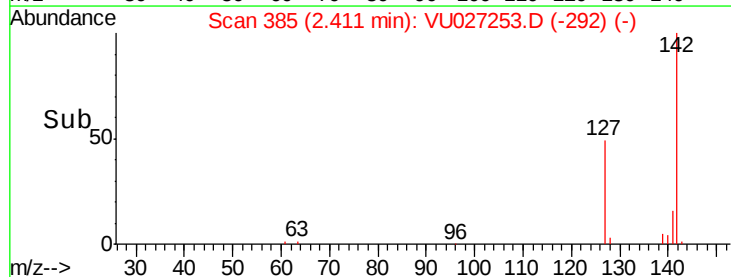
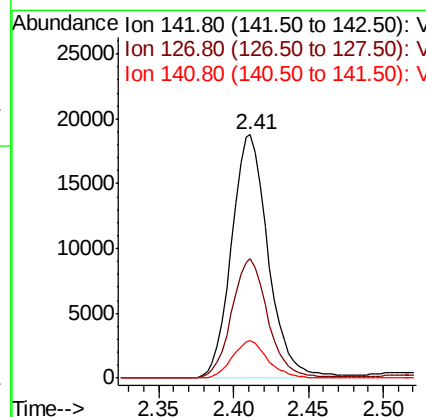
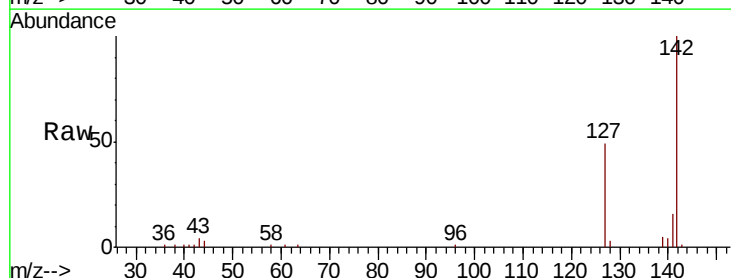
RT: 2.41 min Scan# 385

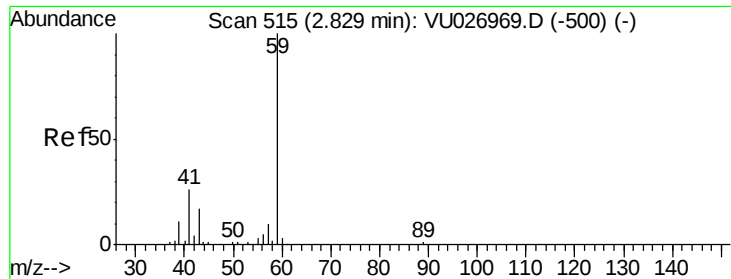
Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Tgt Ion:	142	Resp:	32092
Ion Ratio	Lower	Upper	
142	100		
127	48.1	36.7	55.1
141	14.8	11.8	17.6





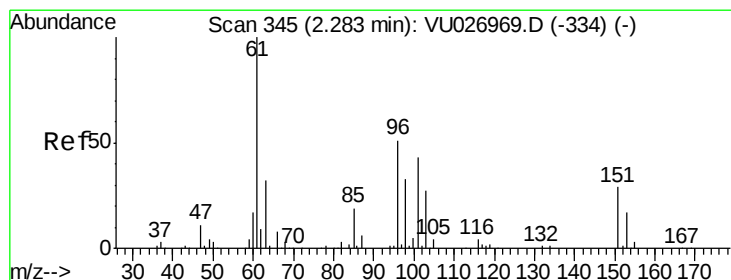
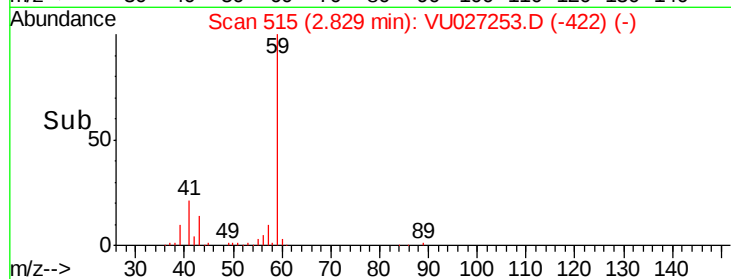
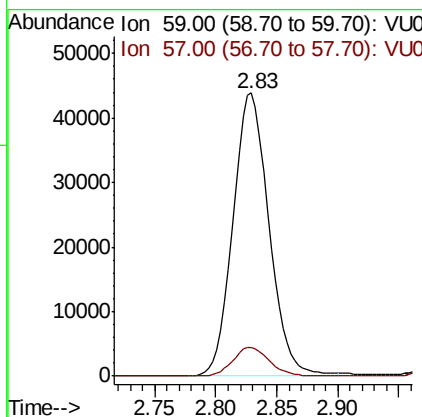
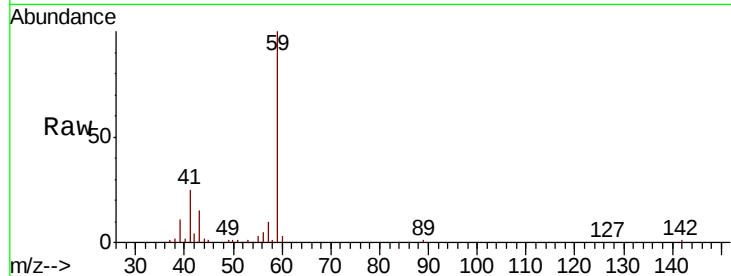
#11
Tert butyl alcohol
Concen: 248.032 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	89861
Ion Ratio	100	Lower	Upper
57	10.2	8.5	12.7

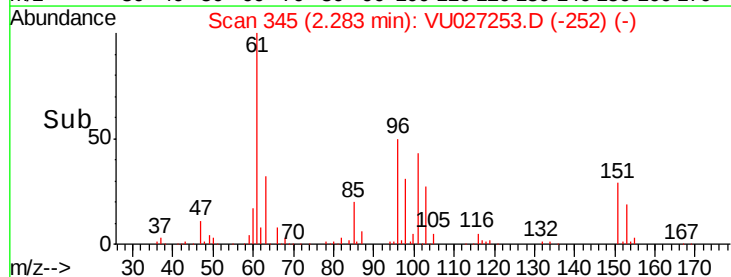
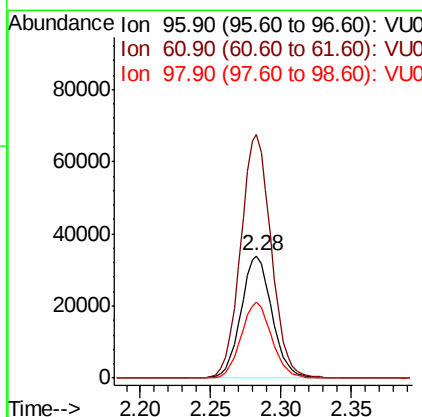
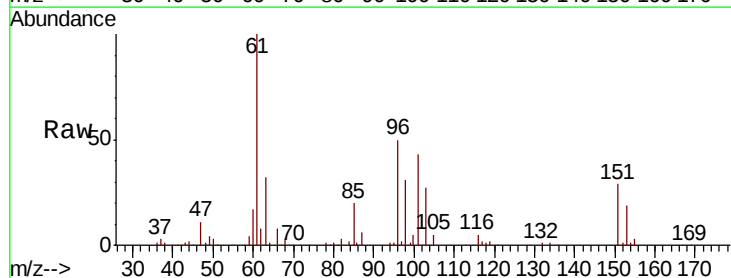
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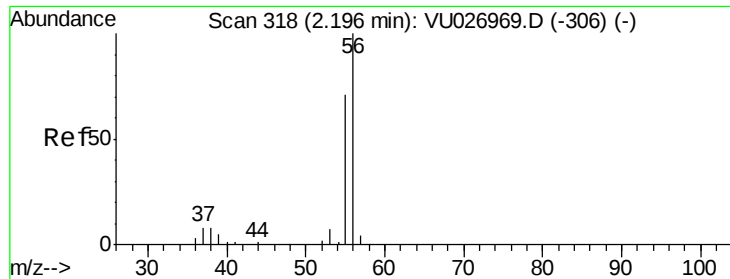
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.235 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	96	Resp	52320
Ion Ratio	100	Lower	Upper
61	199.0	156.1	234.1
98	61.9	51.4	77.0





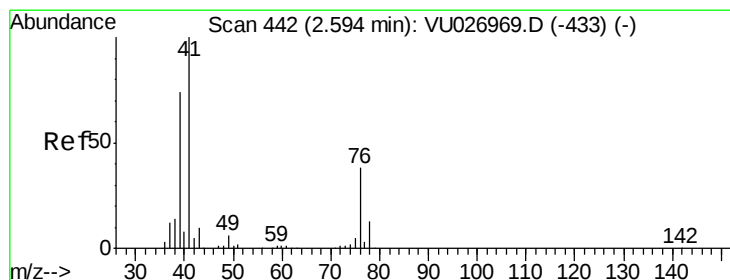
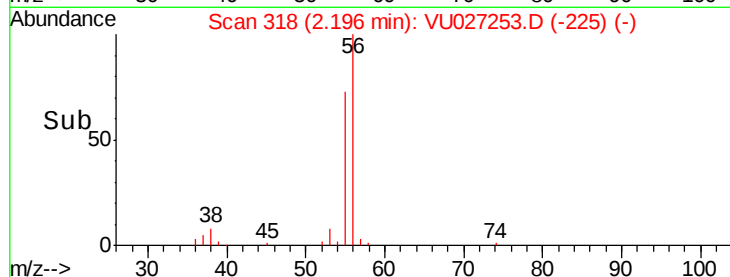
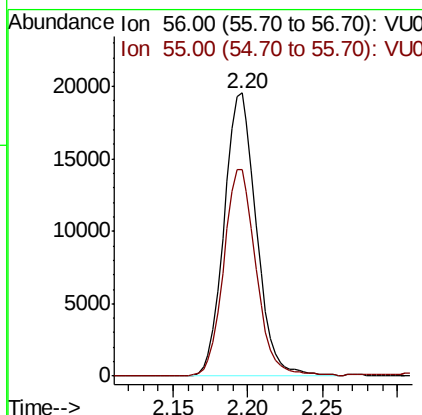
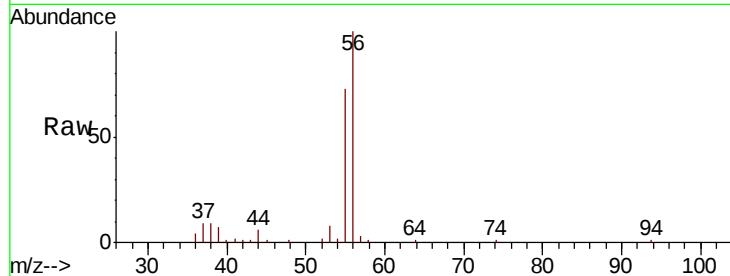
#13
Acrolein
Concen: 150.552 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Ratio	Lower	Upper
29403	100	73.4		57.1	85.7

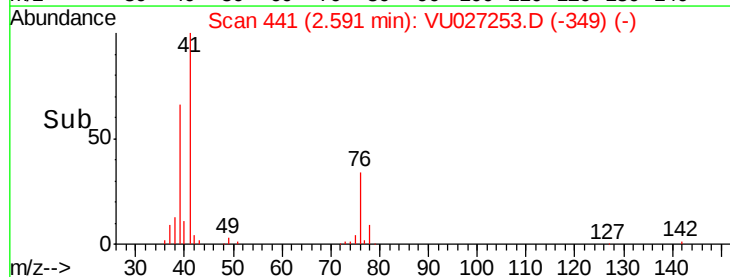
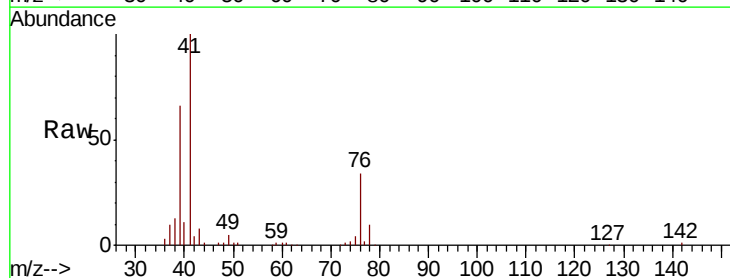
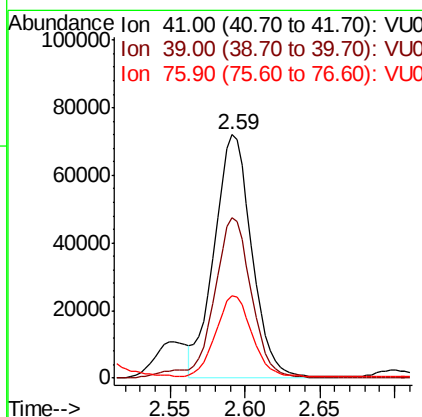
Manual Integrations
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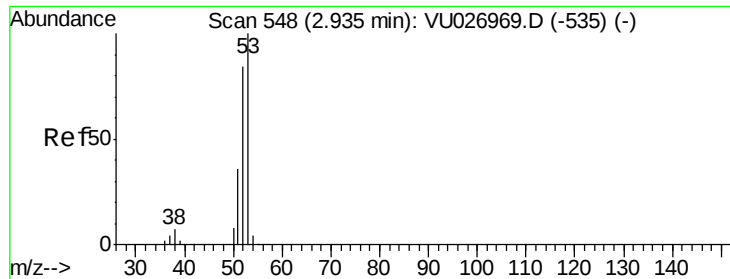
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#14
Allyl chloride
Concen: 57.044 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	41	39	76	Ratio	Lower	Upper
125497	100	66.3	32.4		55.7	83.5
					26.5	39.7





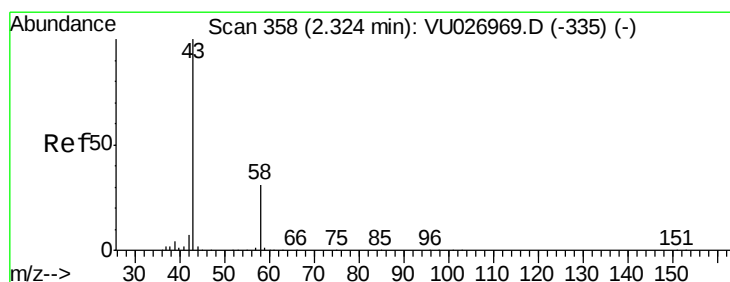
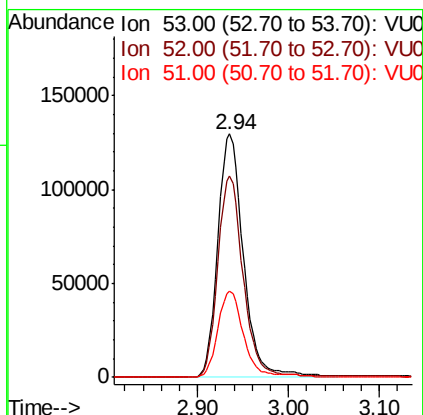
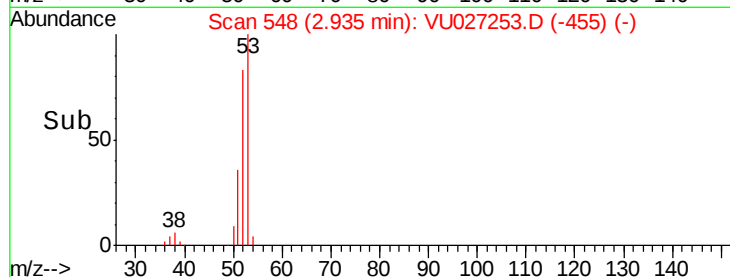
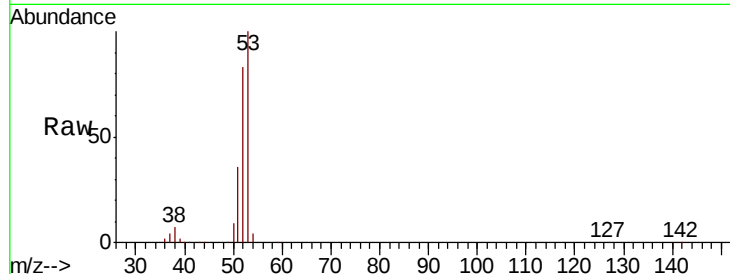
#15
 Acrylonitrile
 Concen: 279.696 ug/l
 RT: 2.94 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.7	98.5
51	36.1	27.4	41.2

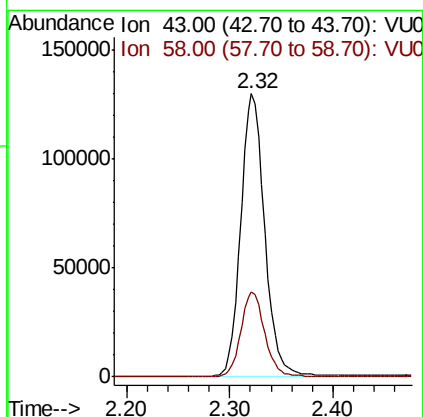
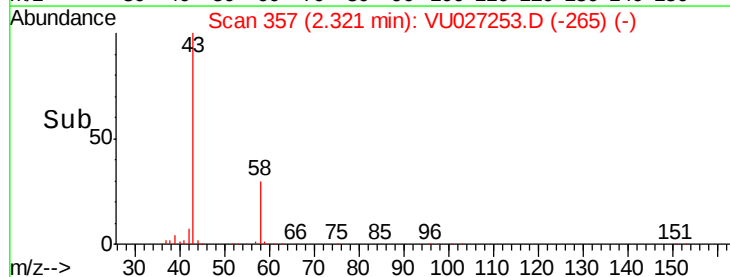
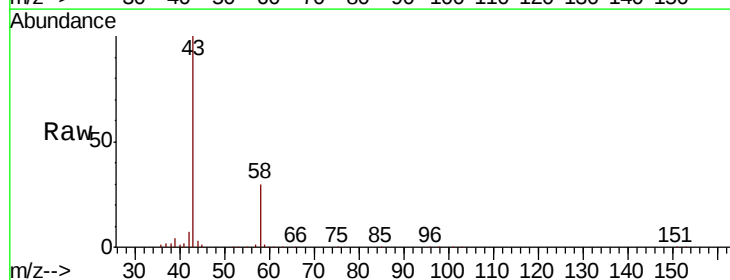
Manual Integrations
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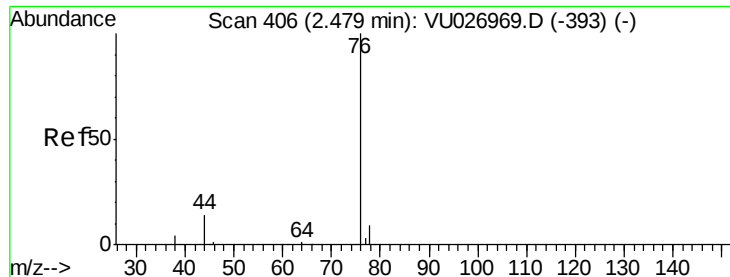
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#16
 Acetone
 Concen: 251.590 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.6	36.8





#17

Carbon Disulfide

Concen: 53.485 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 188992

Ion Ratio Lower Upper

76 100

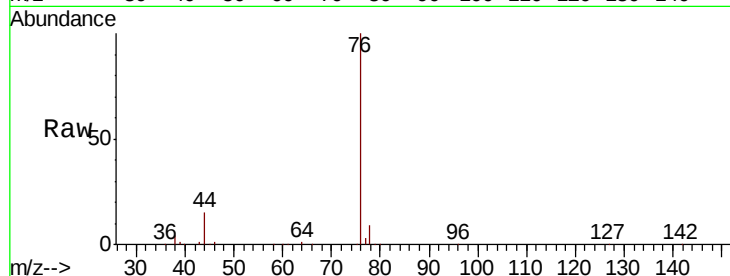
78 8.8 7.1 10.7

Manual Integrations

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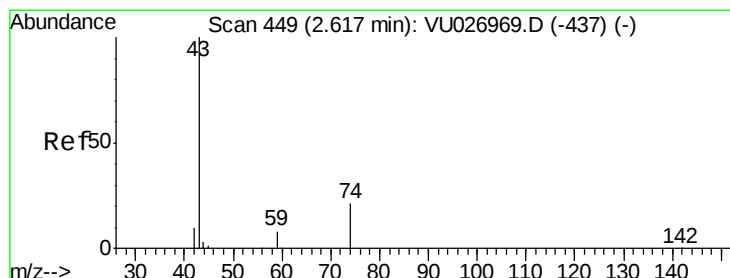
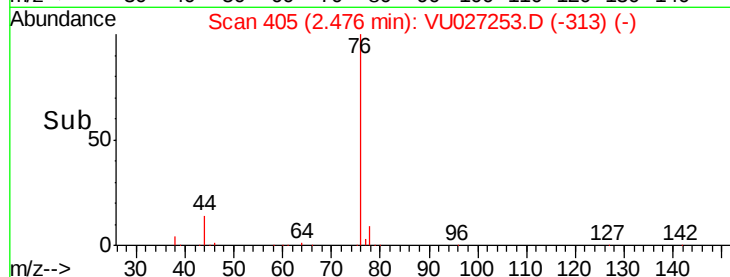
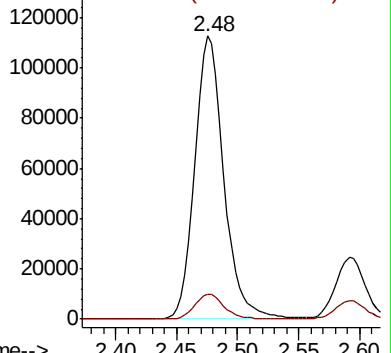
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 60.750 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027253.D

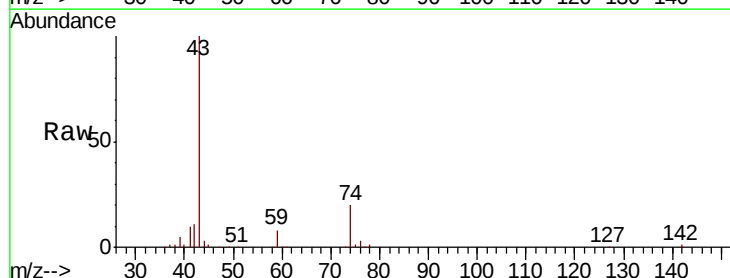
Acq: 28 Sep 2018 02:48

Tgt Ion: 43 Resp: 136675

Ion Ratio Lower Upper

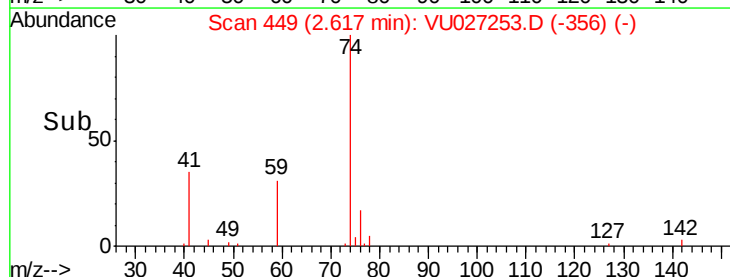
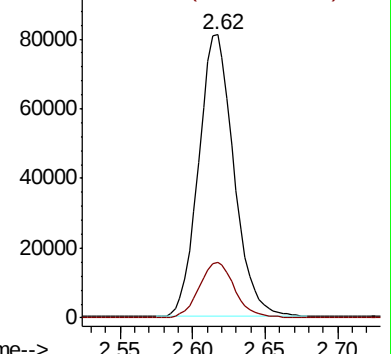
43 100

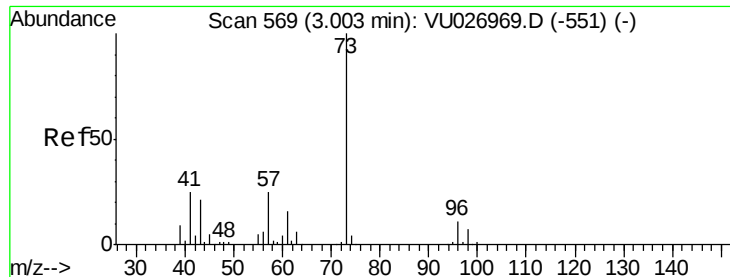
74 20.0 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





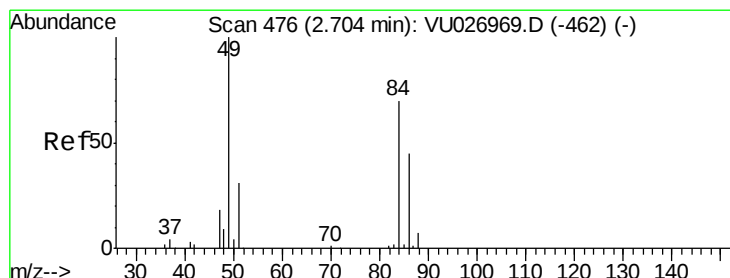
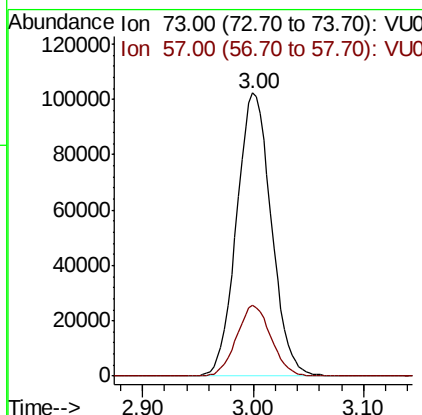
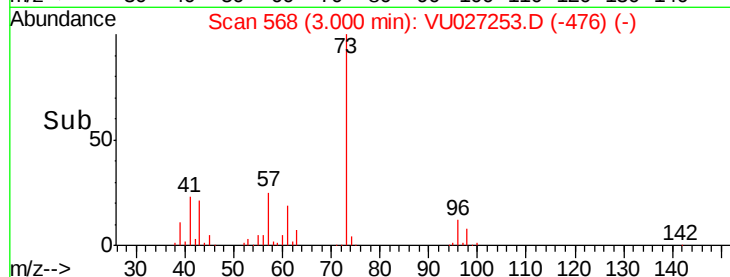
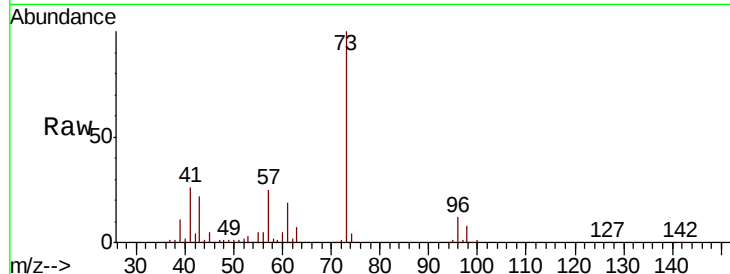
#19
Methyl tert-butyl Ether
Concen: 56.060 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.9	19.8	29.6

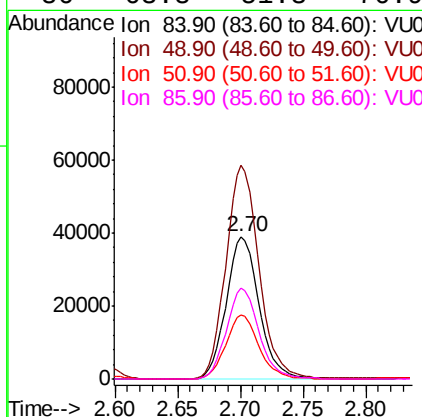
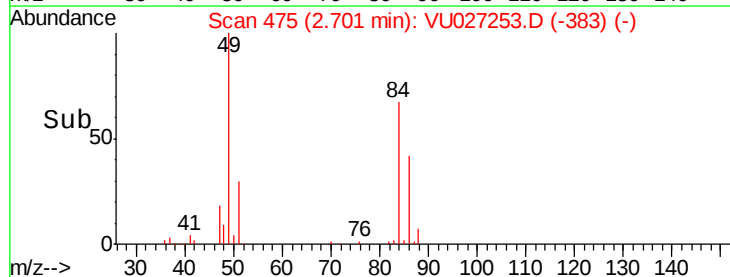
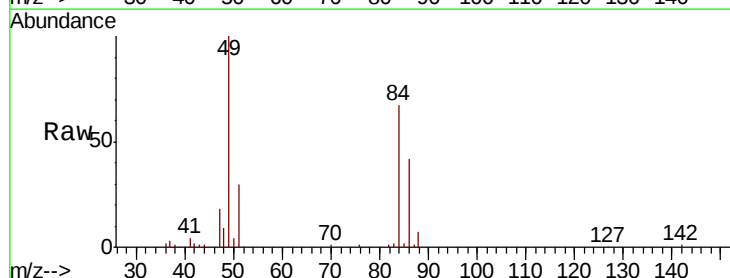
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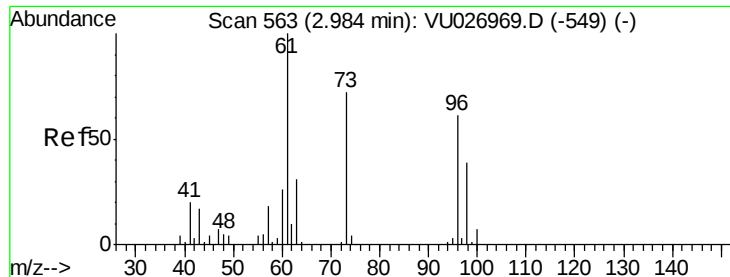
MMDadoda
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#20
Methylene Chloride
Concen: 49.903 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.3	114.9	172.3
51	45.1	35.8	53.8
86	63.8	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 53.955 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 62484

Ion Ratio Lower Upper

96 100

61 166.8 131.8 197.6

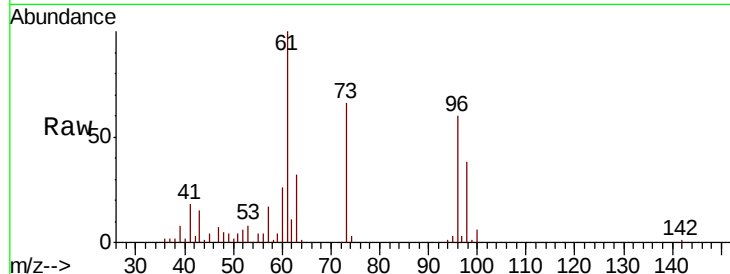
98 63.3 50.9 76.3

Manual Integrations

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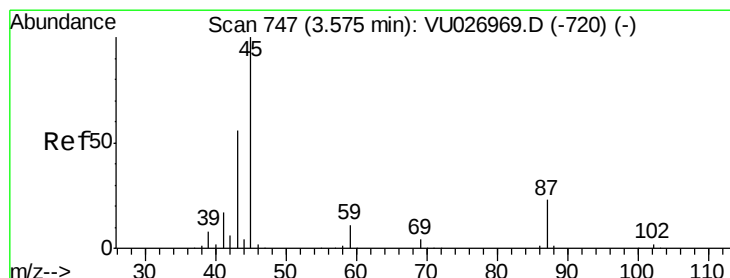
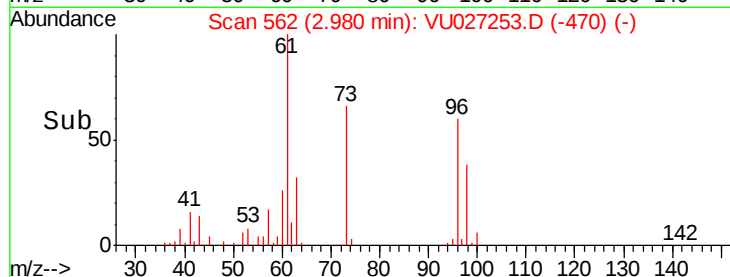
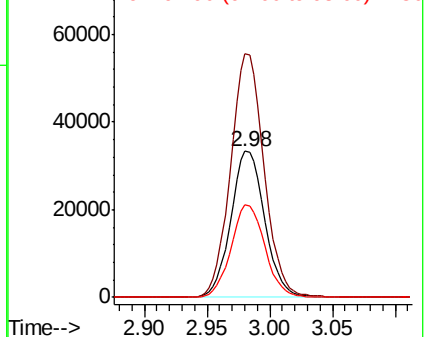


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 58.794 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Tgt Ion: 45 Resp: 276662

Ion Ratio Lower Upper

45 100

43 57.4 45.8 68.6

87 21.8 18.6 28.0

59 10.8 9.0 13.4

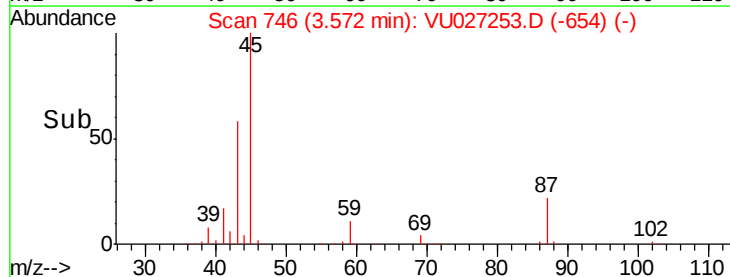
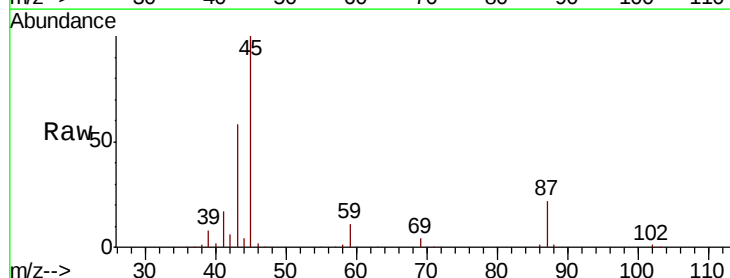
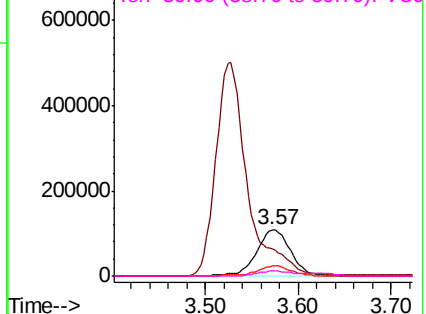
Abundance

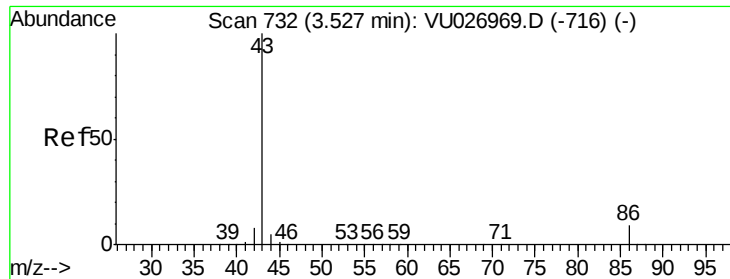
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 297.397 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1192907

Ion Ratio Lower Upper

43 100

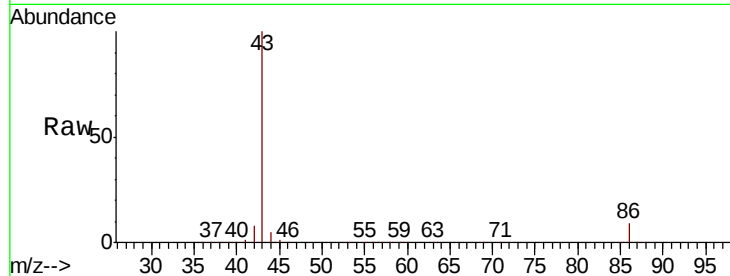
86 8.5 7.2 10.8

Manual Integrations

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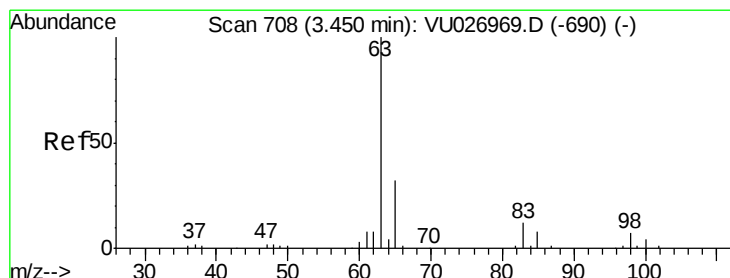
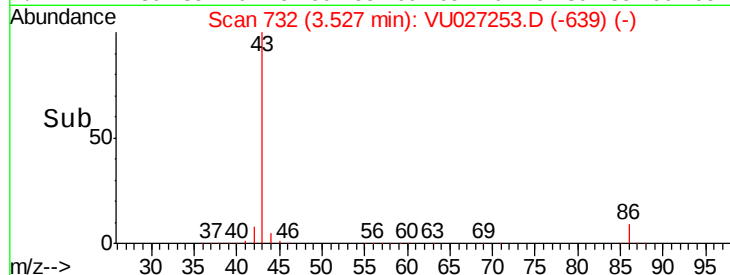
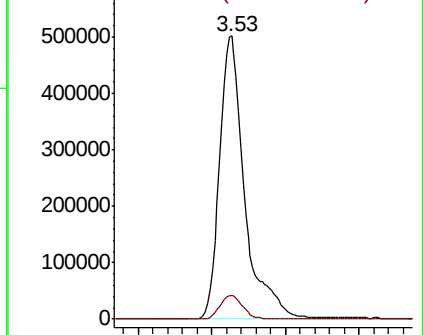
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 54.571 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

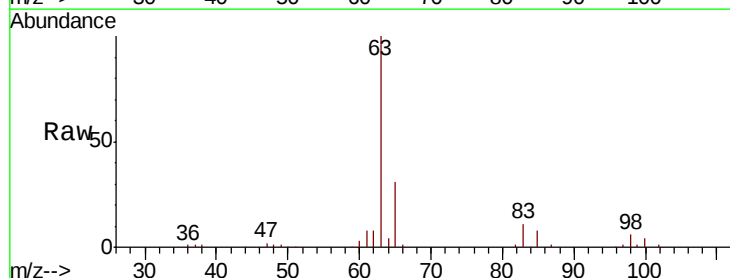
Tgt Ion: 63 Resp: 141430

Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

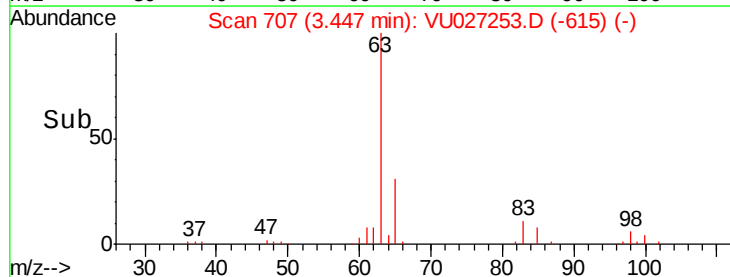
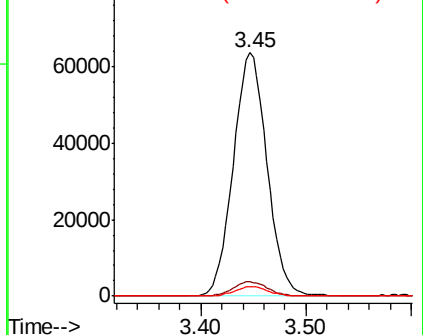
100 3.7 2.0 5.8

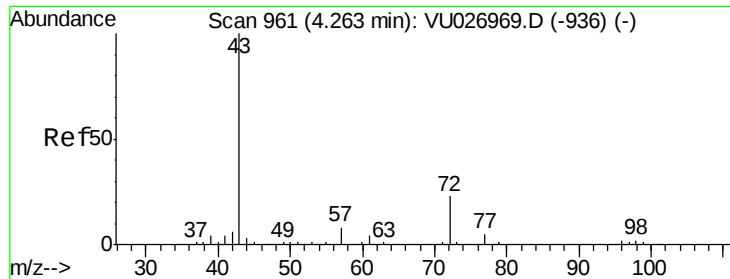


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 273.576 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 363406

Ion Ratio Lower Upper

43 100

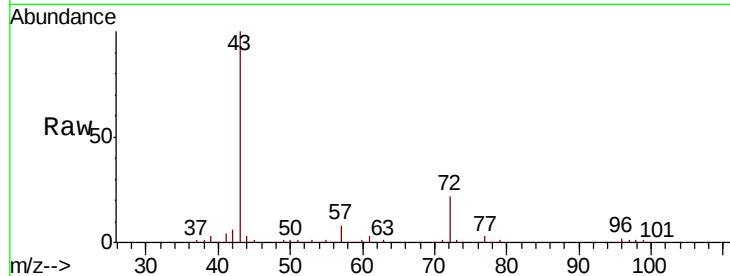
72 22.3 18.4 27.6

Manual Integrations

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MMDadoda

10/2/2018 1:07:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

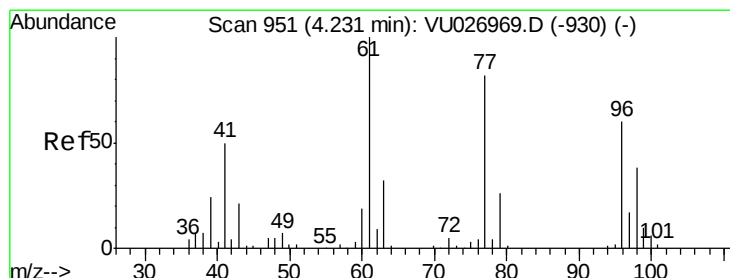
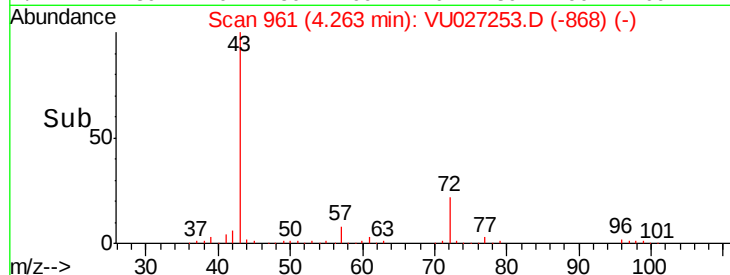
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 41.576 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027253.D

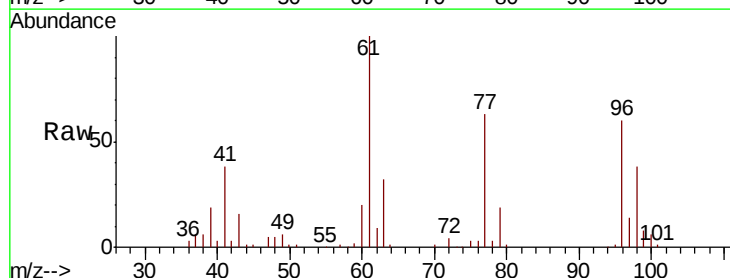
Acq: 28 Sep 2018 02:48

Tgt Ion: 77 Resp: 84032

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

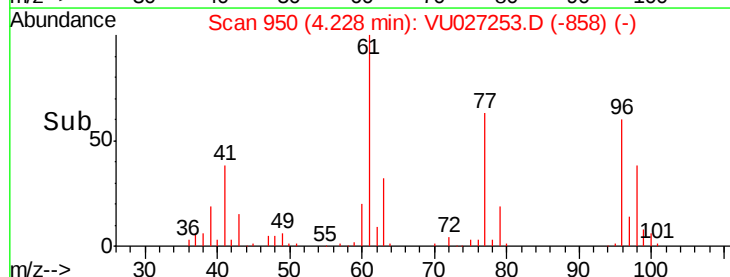
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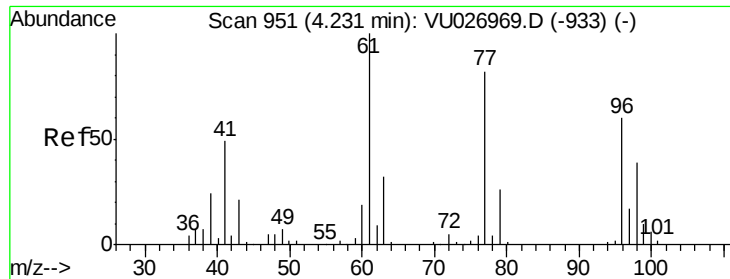
10000

0

4.10 4.20 4.30

Time-->





#27

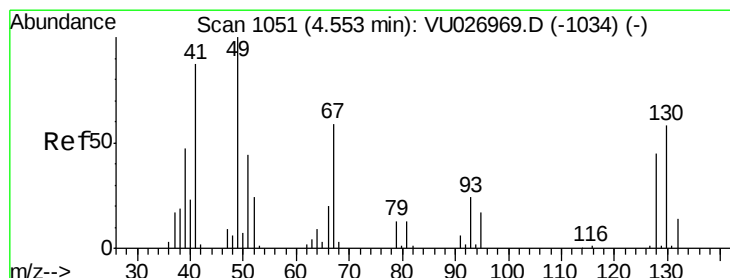
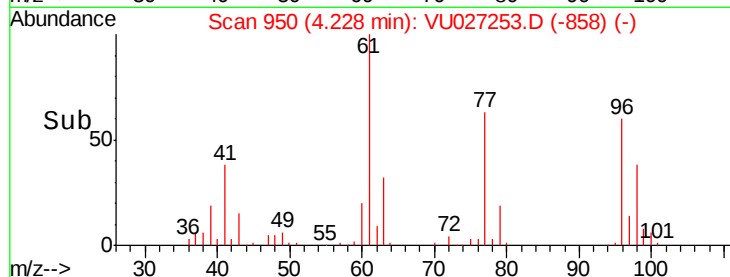
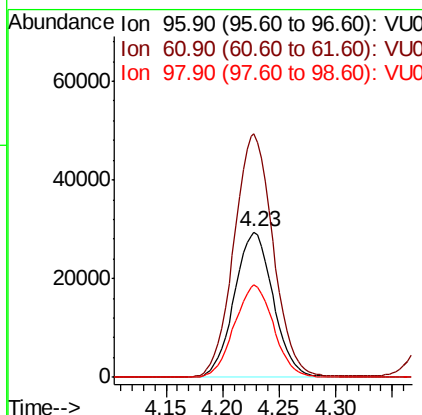
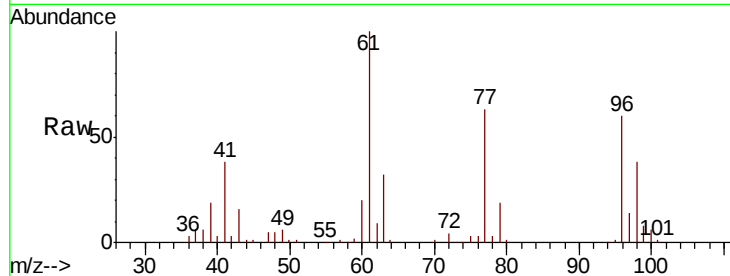
cis-1,2-Dichloroethene
 Concen: 53.863 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.1	0.0	337.2
98	64.3	0.0	127.6

Manual Integrations
 APPROVED

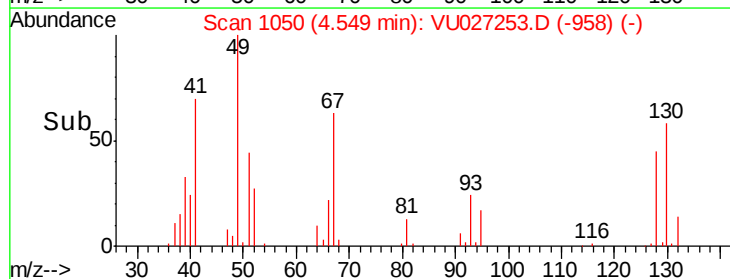
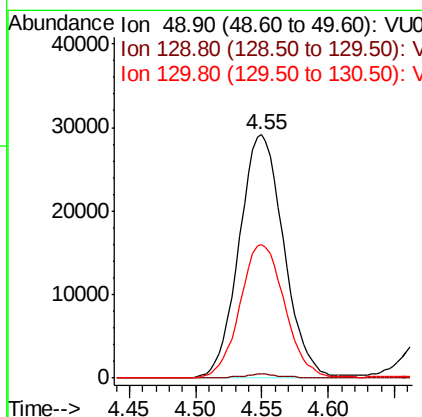
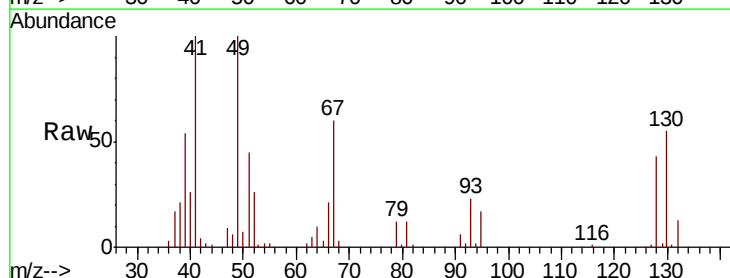
MMDadoda
 10/2/2018 1:07:23 PM

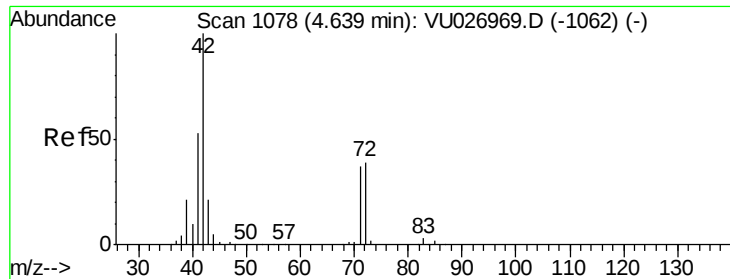


#28

Bromochloromethane
 Concen: 54.627 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	55.3	47.8	71.8





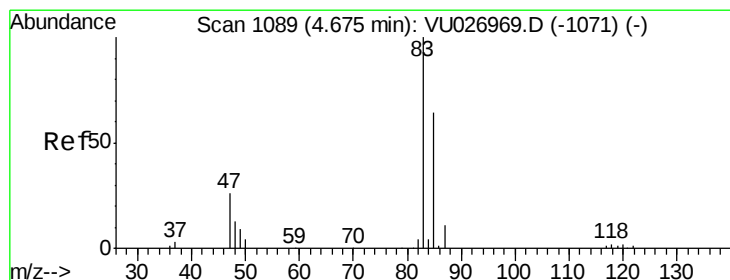
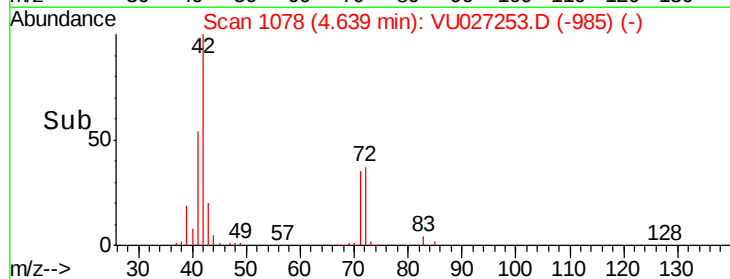
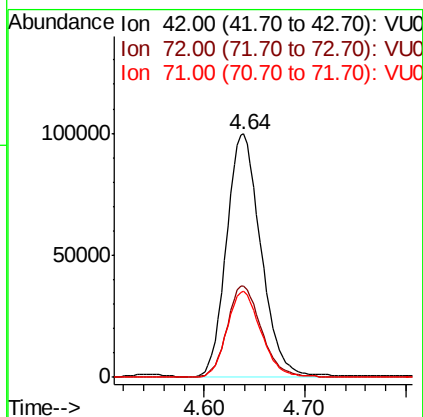
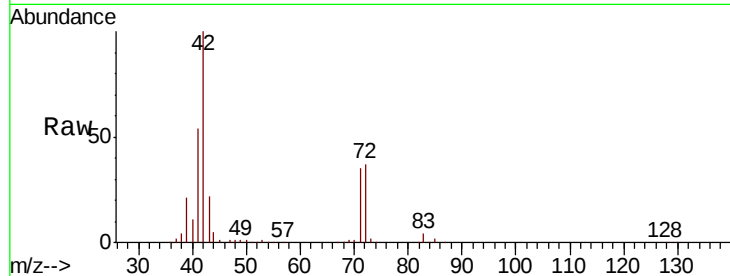
#29
Tetrahydrofuran
Concen: 294.343 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	31.7	47.5
71	35.3	29.6	44.4

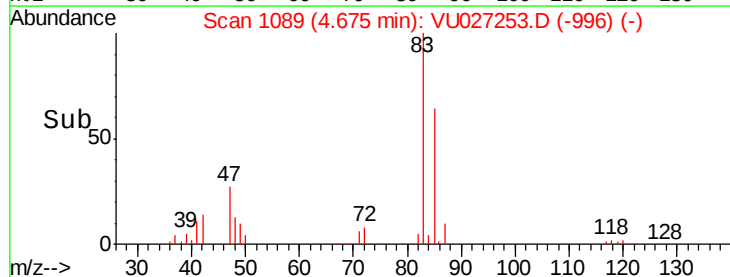
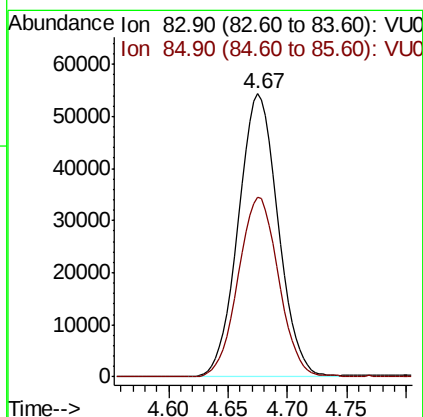
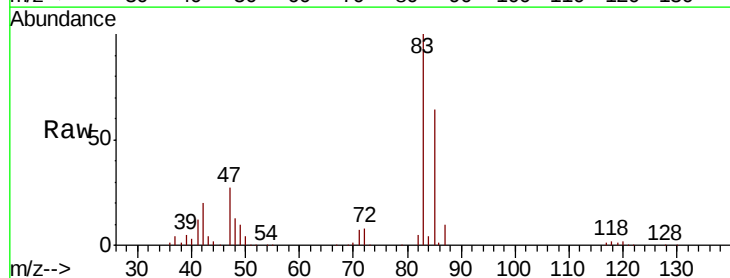
Manual Integrations
APPROVED

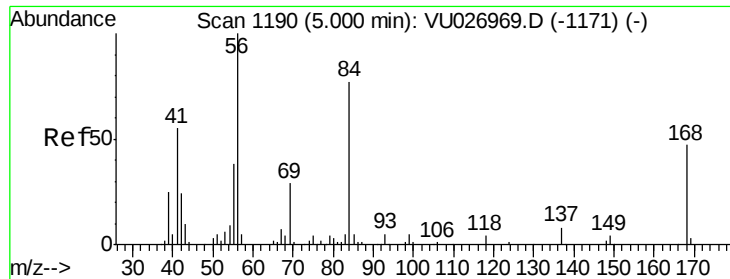
MMDadoda
10/2/2018 1:07:23 PM



#30
Chloroform
Concen: 52.501 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.5	77.3





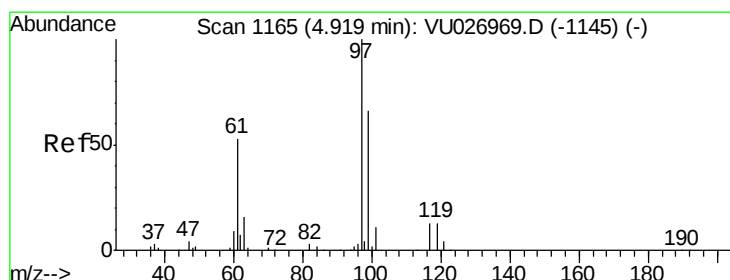
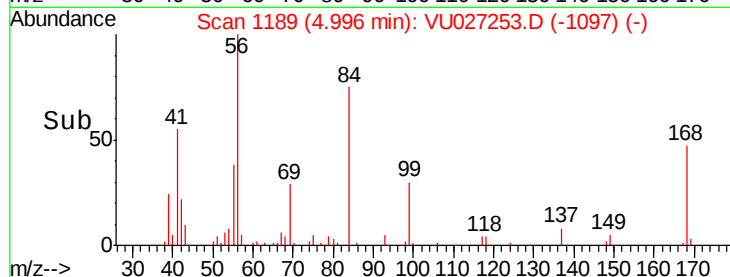
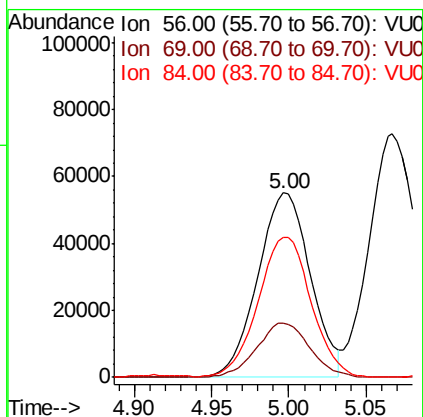
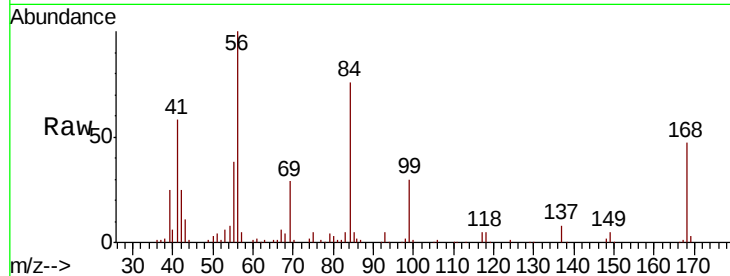
#31
Cyclohexane
Concen: 55.514 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.0	34.4
84	75.5	61.4	92.2

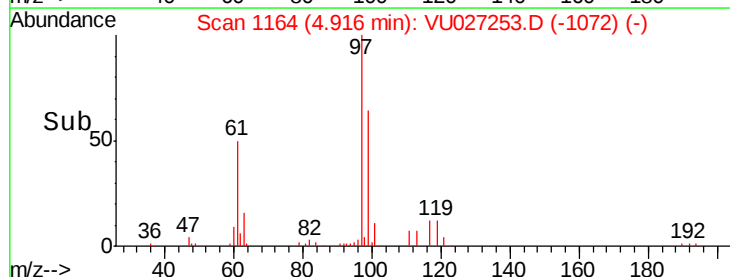
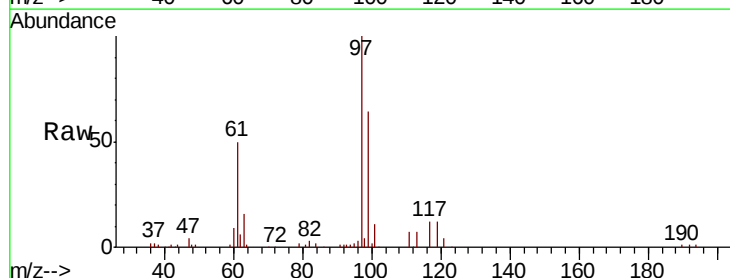
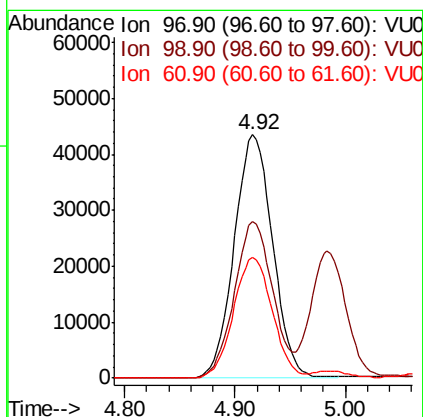
Manual Integrations
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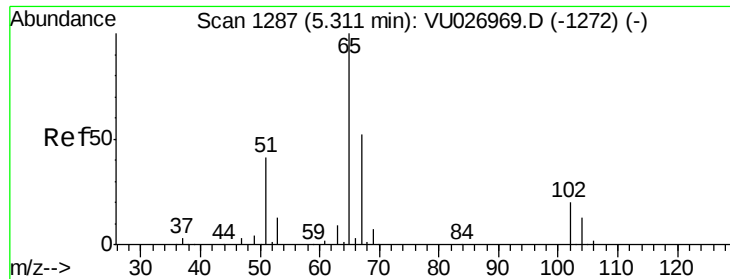
MMDadoda
10/2/2018 1:07:23 PM



#32
1,1,1-Trichloroethane
Concen: 54.774 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	50.1	41.1	61.7





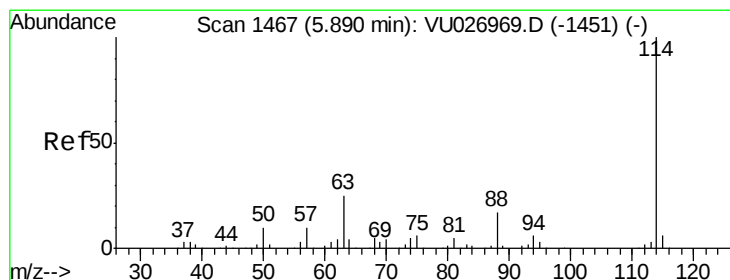
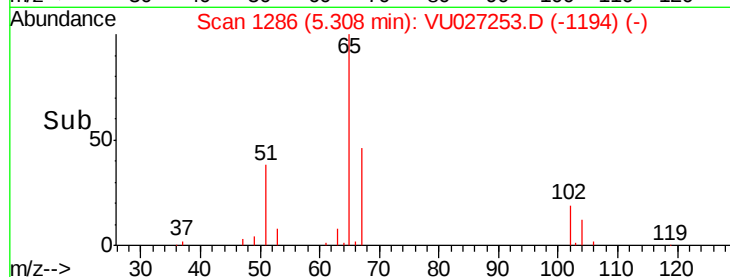
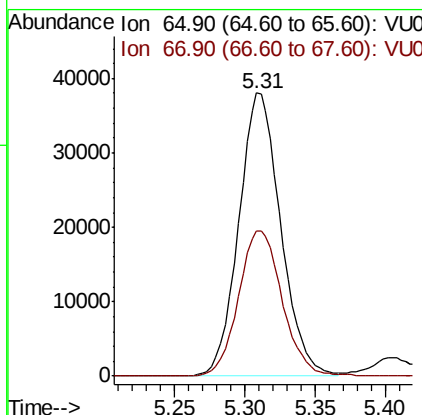
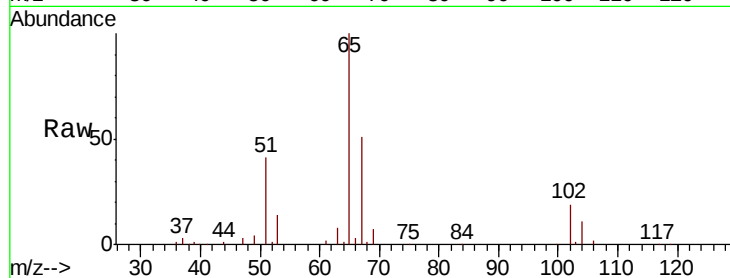
#33
 1,2-Dichloroethane-d4
 Concen: 50.095 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.6

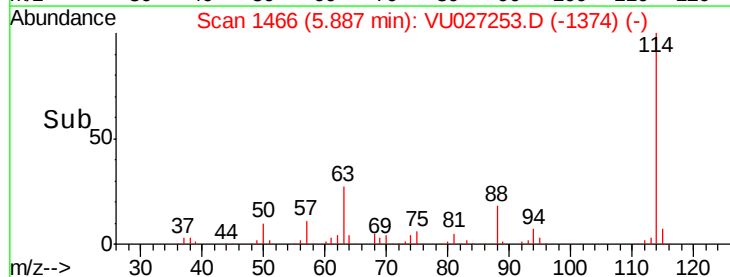
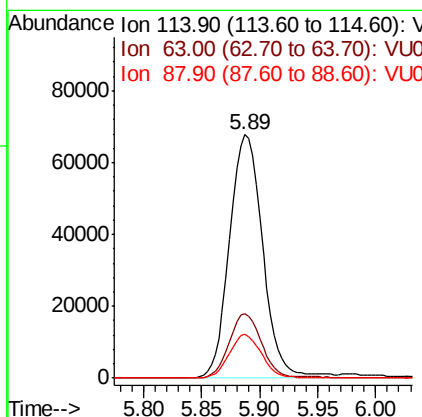
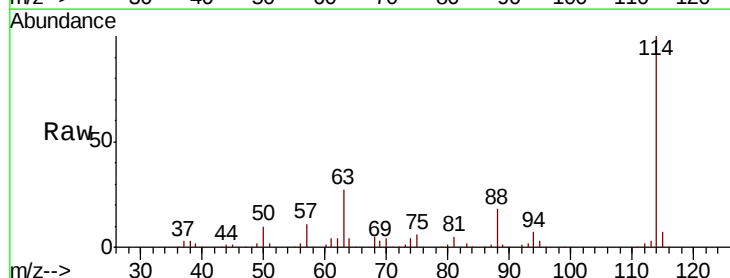
Manual Integrations
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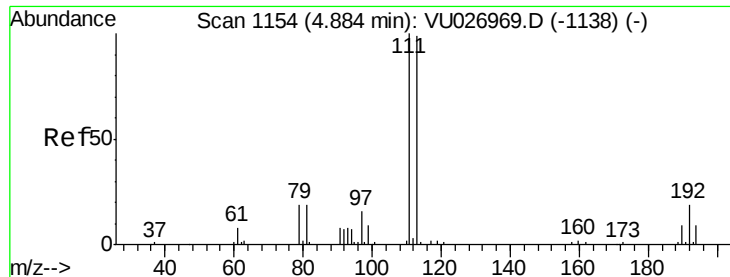
MMDadoda
 10/2/2018 1:07:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.7	0.0	49.2
88	17.8	0.0	33.8





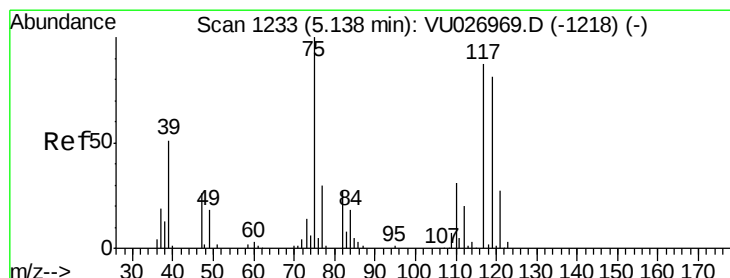
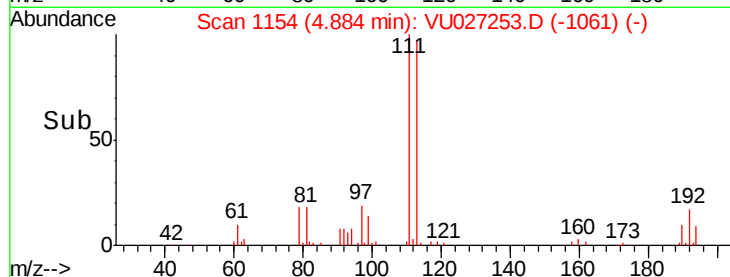
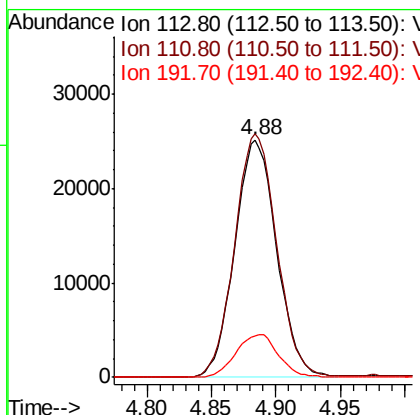
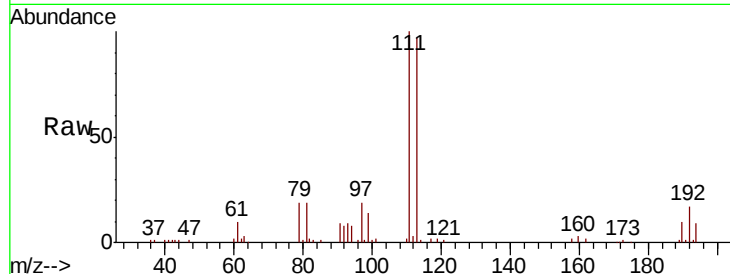
#35
 Dibromofluoromethane
 Concen: 48.486 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	18.2	15.2	22.8

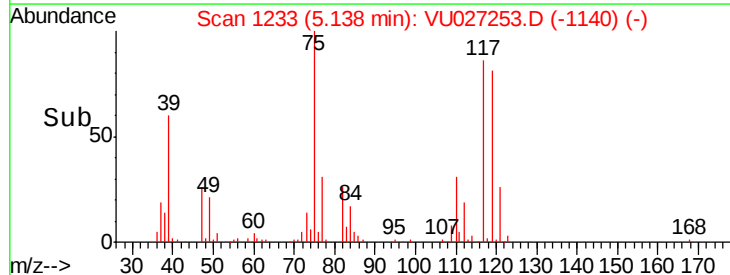
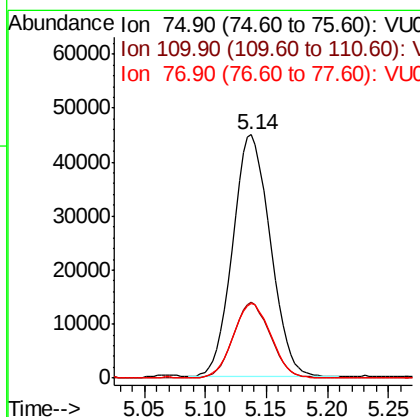
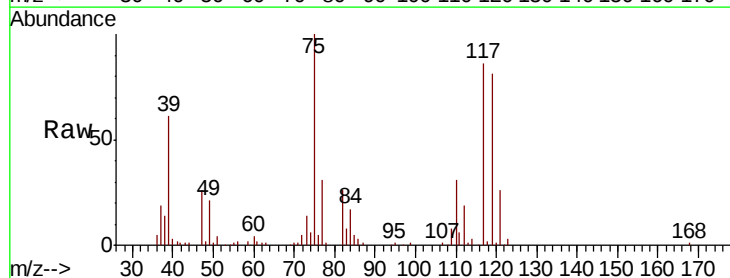
Manual Integrations
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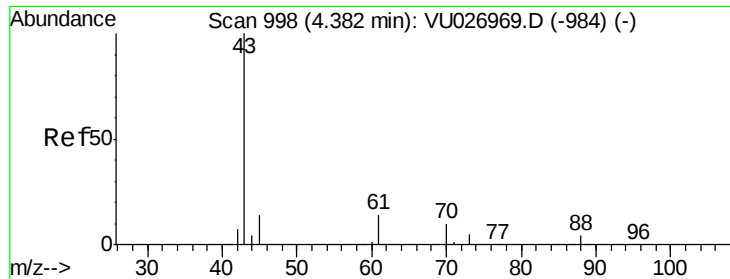
MMDadoda
 10/2/2018 1:07:23 PM



#36
 1,1-Dichloropropene
 Concen: 53.012 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.0	16.1	48.2
77	30.5	24.6	36.8





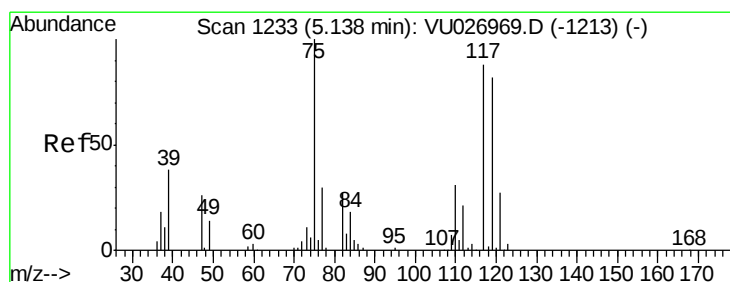
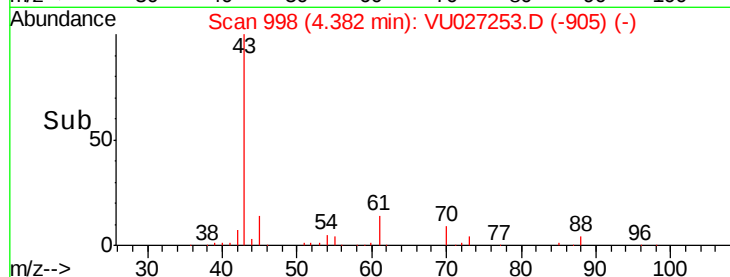
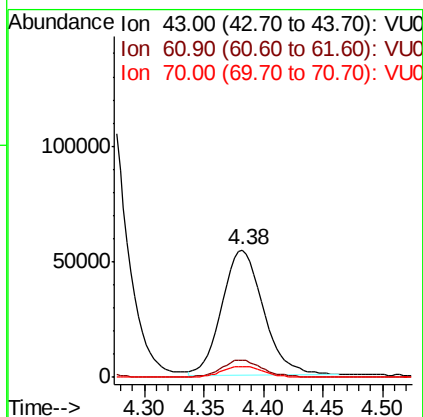
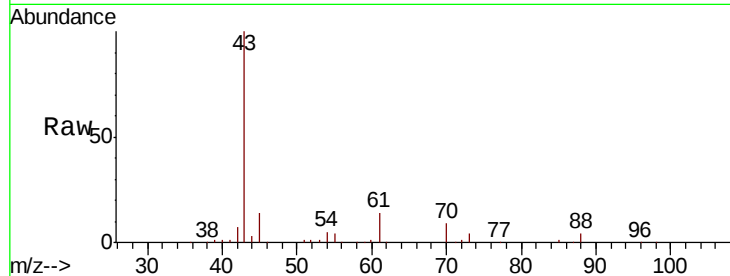
#37
Ethyl Acetate
Concen: 53.331 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	8.9	7.4	11.0

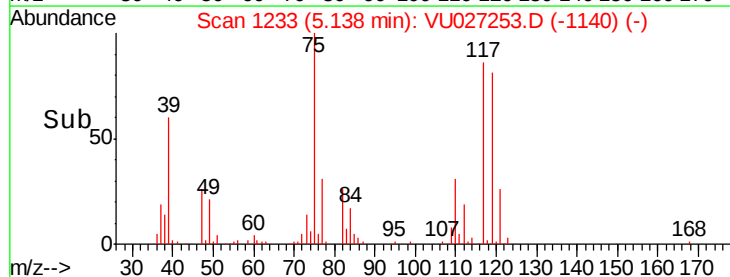
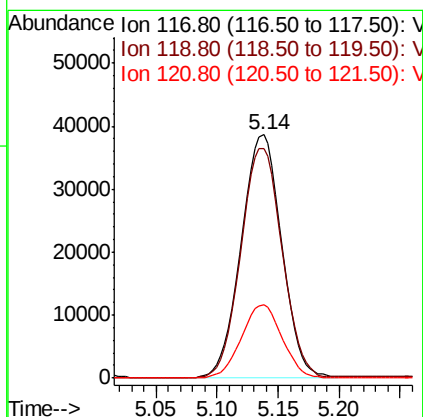
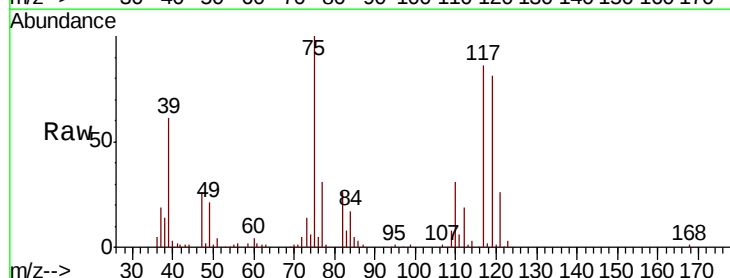
Manual Integrations
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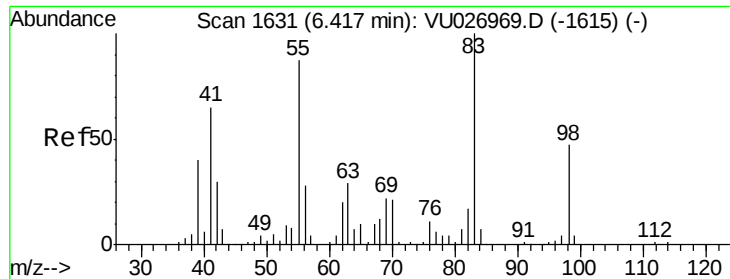
MMDadoda
10/2/2018 1:07:23 PM



#38
Carbon Tetrachloride
Concen: 51.703 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	74.4	111.6
121	30.0	24.2	36.4





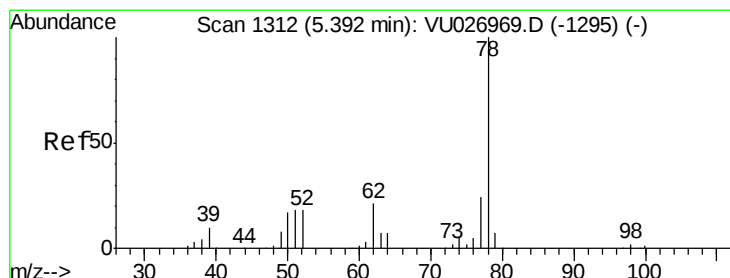
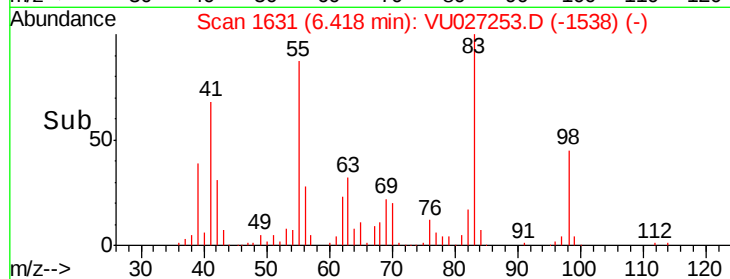
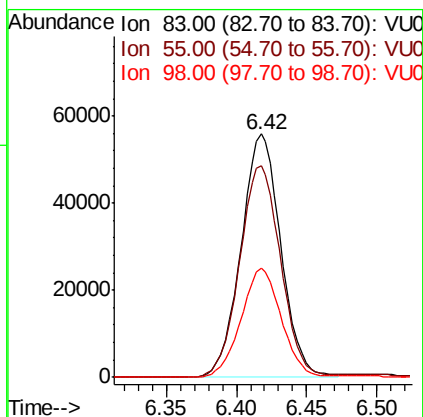
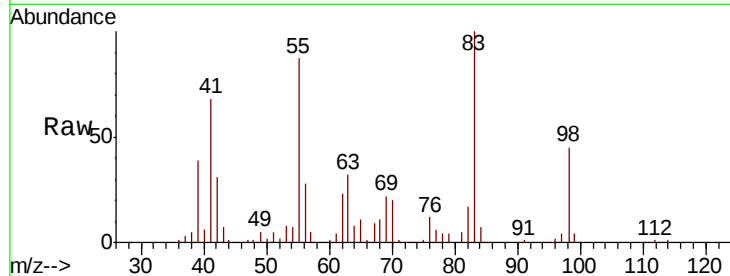
#39
Methylvlcvclohexane
Concen: 56.182 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.1	69.9	104.9
98	44.9	37.5	56.3

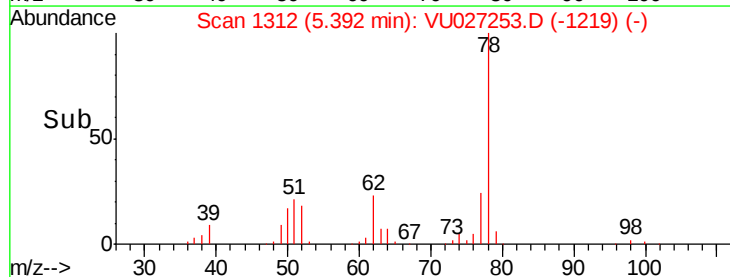
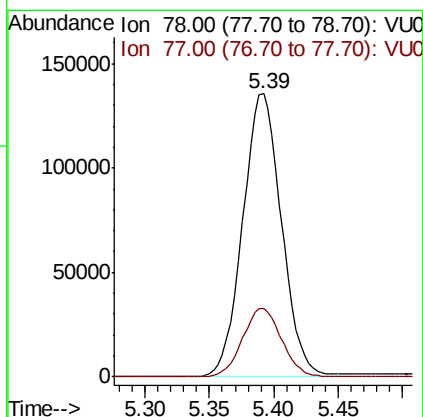
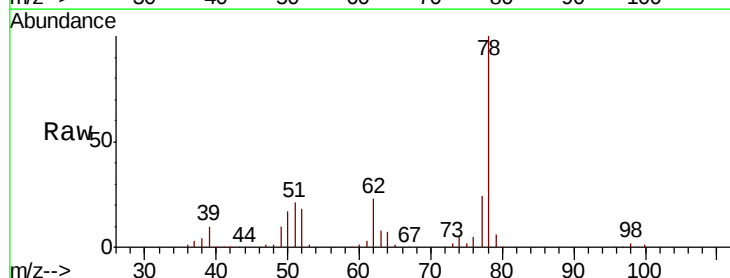
Manual Integrations
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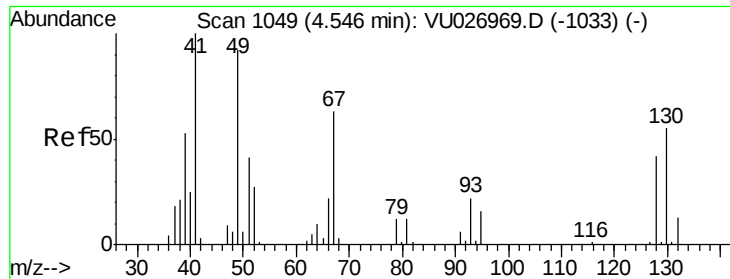
MMDadoda
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#40
Benzene
Concen: 51.778 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





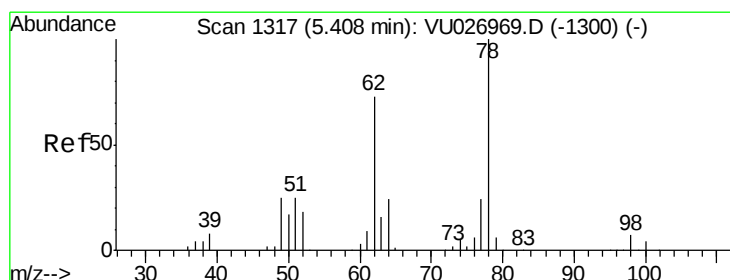
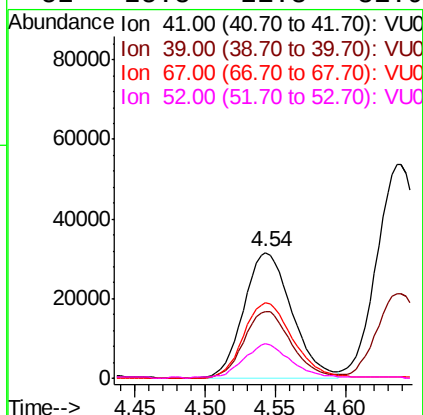
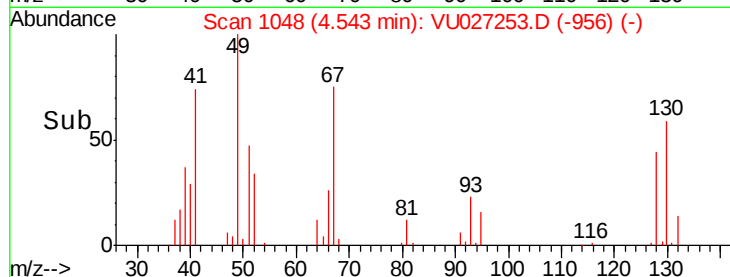
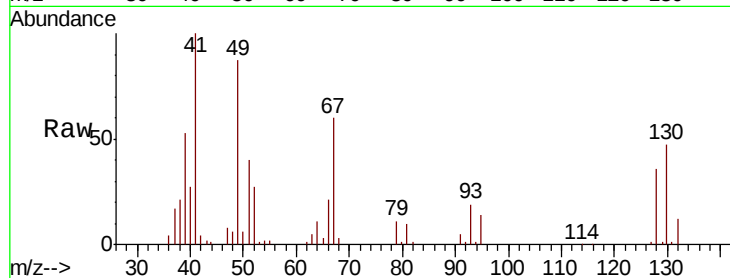
#41
Methacrylonitrile
Concen: 59.418 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.6	42.9	64.3	
67	61.5	52.4	78.6	
52	25.8	21.3	31.9	

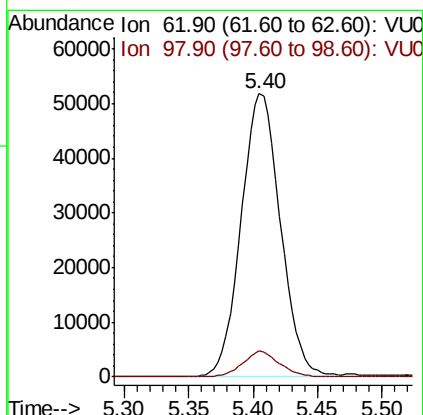
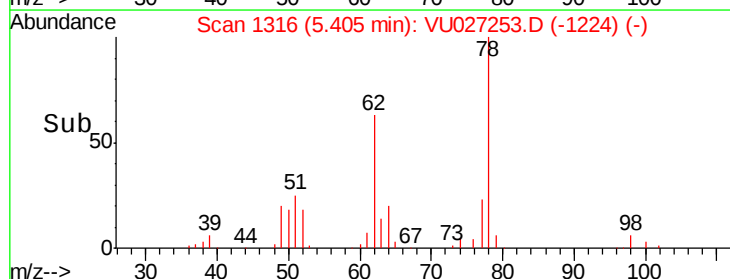
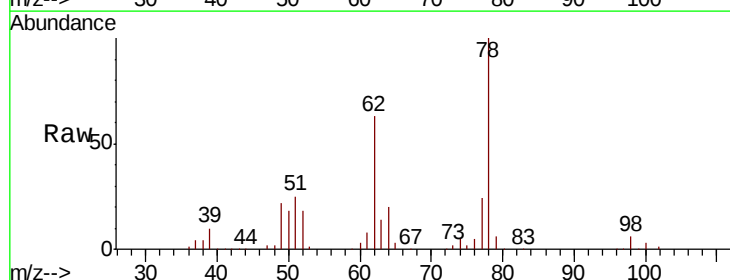
Manual Integrations
APPROVED

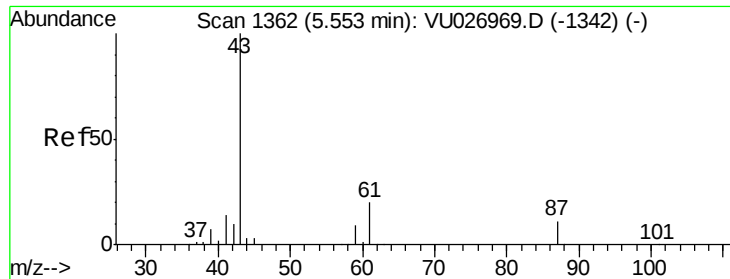
MMDadoda
10/2/2018 1:07:23 PM



#42
1,2-Dichloroethane
Concen: 53.059 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.0	





#43

Isopropyl Acetate

Concen: 56.655 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

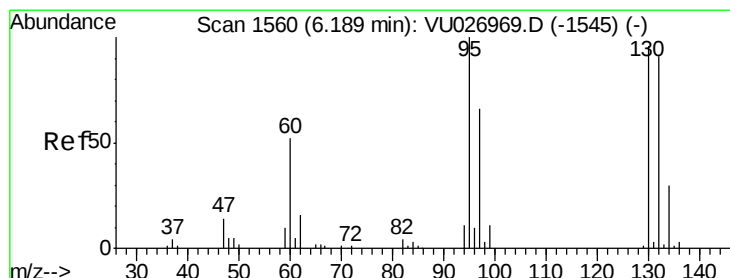
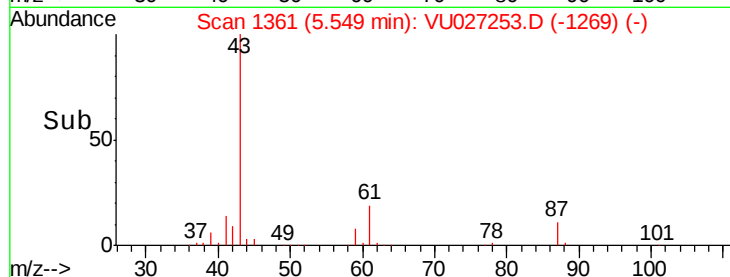
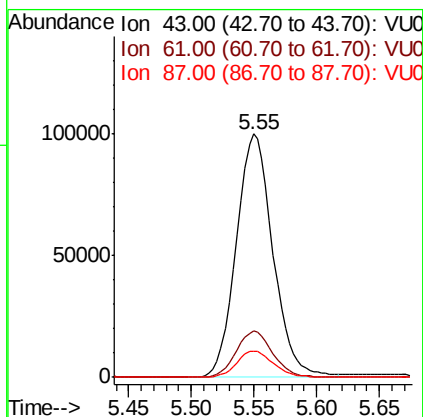
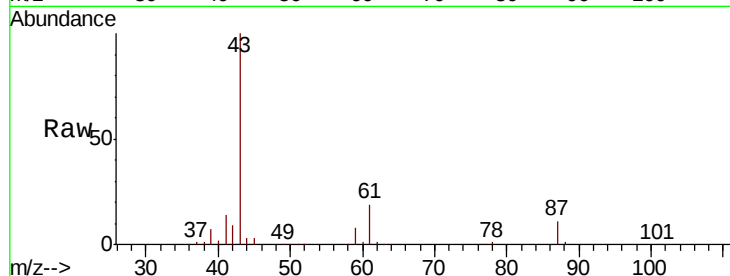
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	202146
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.7	23.5
87	10.9	9.0	13.4

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#44

Trichloroethene

Concen: 53.055 ug/l

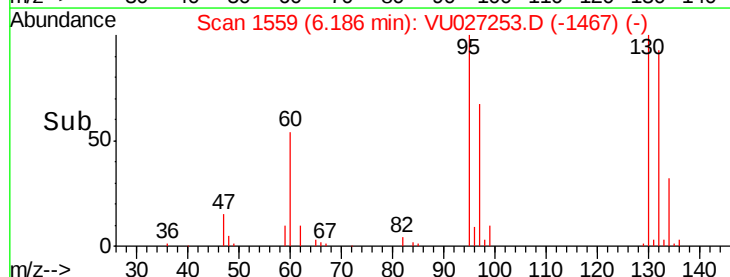
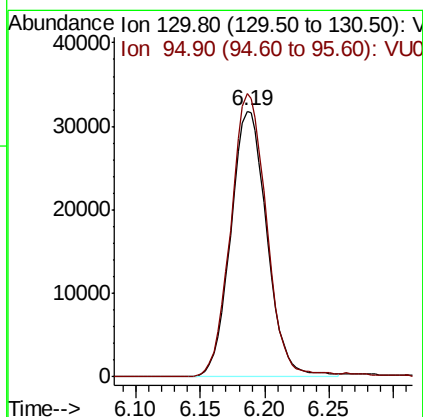
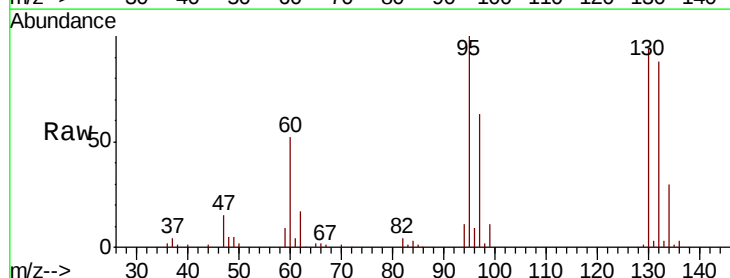
RT: 6.19 min Scan# 1559

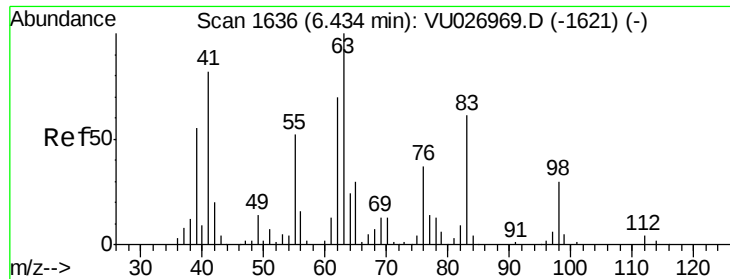
Delta R.T. -0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Tgt Ion:	130	Resp:	62055
Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	208.8





#45

1,2-Dichloropropane

Concen: 54.033 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 84586

Ion Ratio Lower Upper

63 100

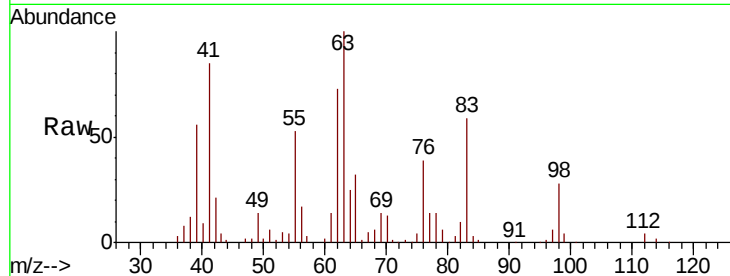
65 31.6 24.3 36.5

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Abundance Ion 62.90 (62.60 to 63.60): VU027253.D (-1543) (-)

Ion 64.90 (64.60 to 65.60): VU027253.D (-1543) (-)

6.43

6.43

6.43

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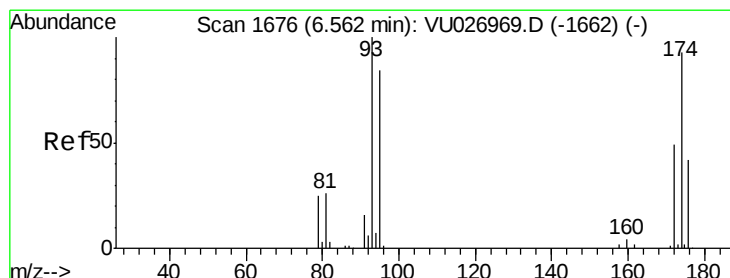
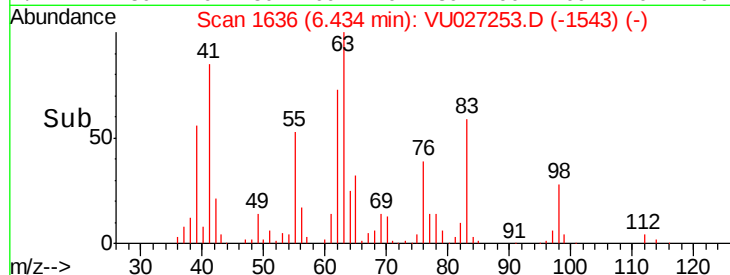
6.43

6.43

6.43

6.43

6.43



#46

Dibromomethane

Concen: 51.876 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

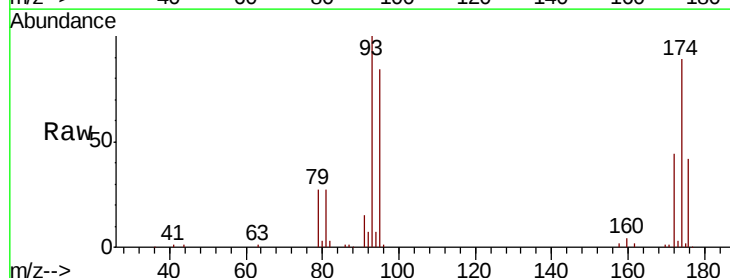
Tgt Ion: 93 Resp: 49047

Ion Ratio Lower Upper

93 100

95 82.3 66.2 99.4

174 90.1 71.7 107.5



Abundance Ion 92.80 (92.50 to 93.50): VU027253.D (-1583) (-)

Ion 94.80 (94.50 to 95.50): VU027253.D (-1583) (-)

Ion 173.70 (173.40 to 174.40): VU027253.D (-1583) (-)

6.56

6.56

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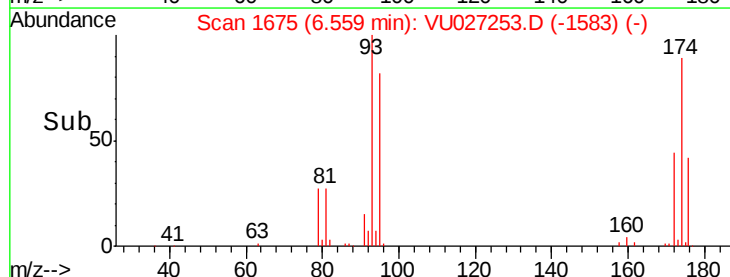
6.56

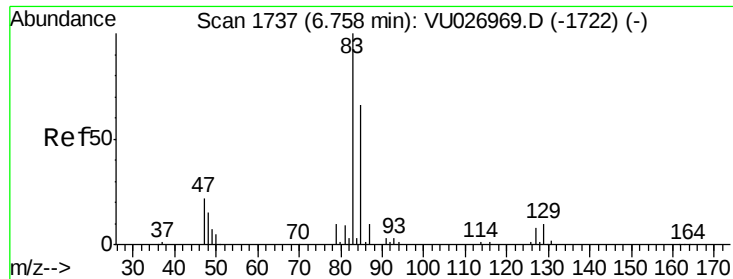
6.56

6.56

6.56

6.56





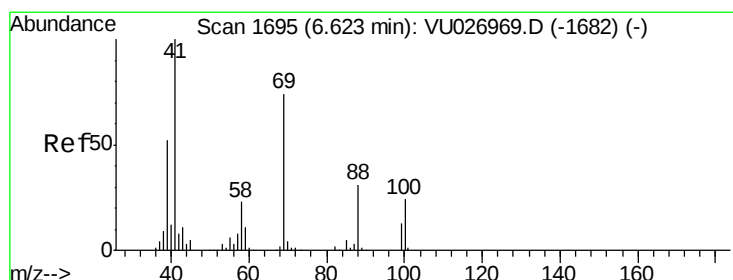
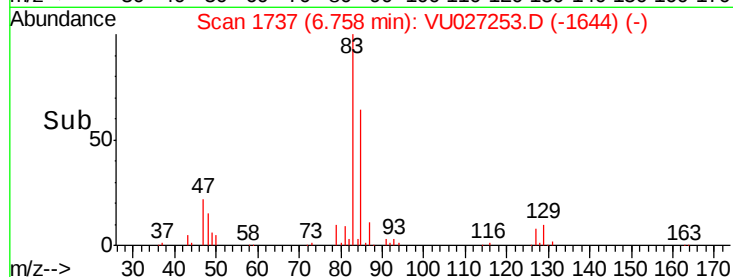
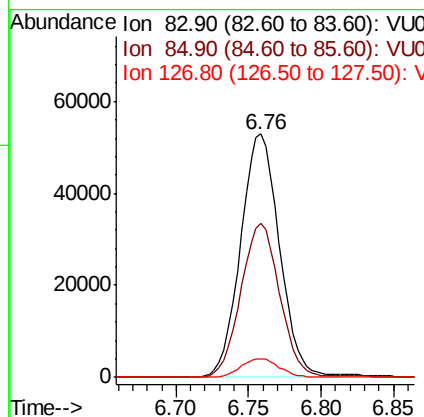
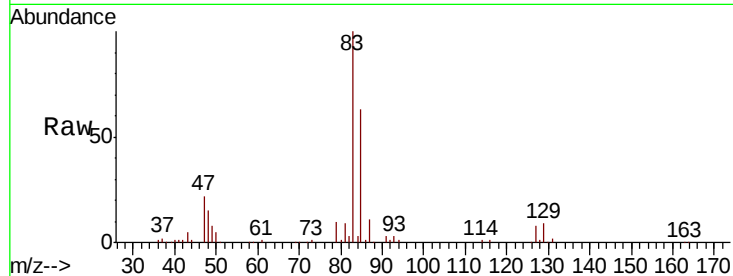
#47
Bromodichloromethane
Concen: 51.621 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	98686
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	52.5	78.7
127	7.7	6.3	9.5

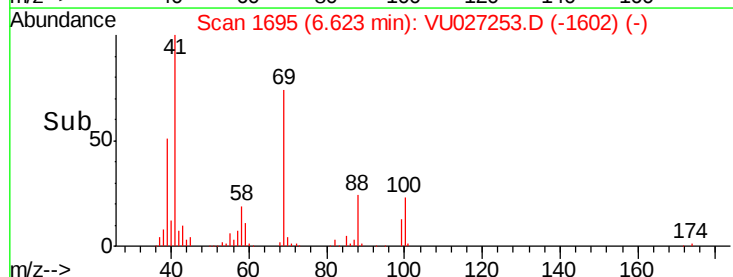
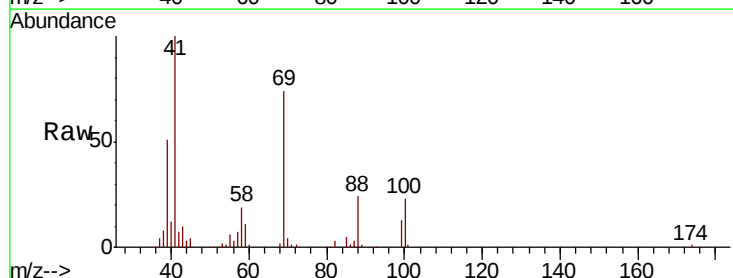
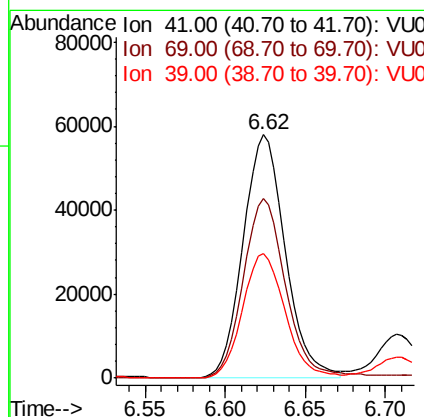
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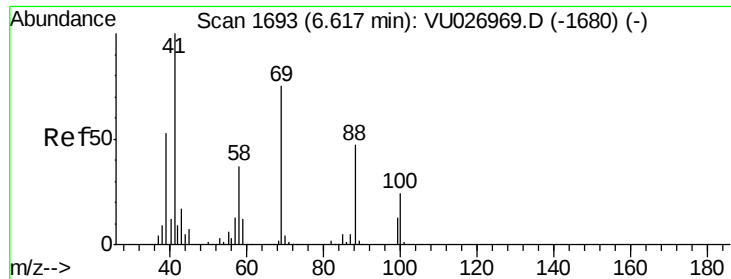
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#48
Methyl methacrylate
Concen: 53.962 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	41	Resp	104954
Ion Ratio	100	Lower	Upper
41	100		
69	76.1	60.6	90.8
39	51.7	42.8	64.2





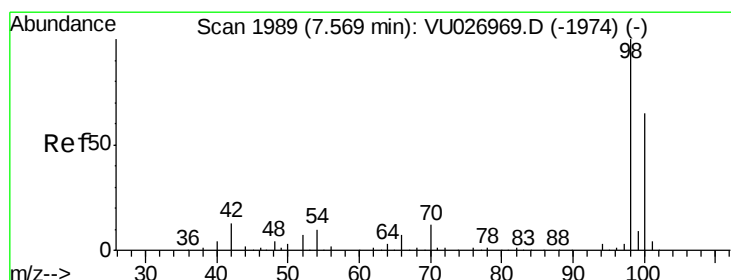
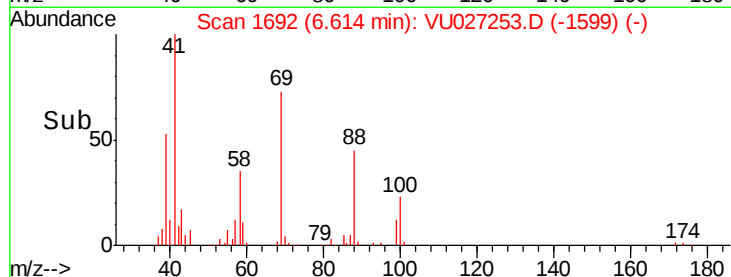
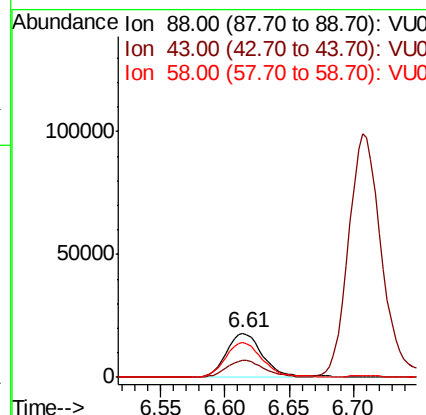
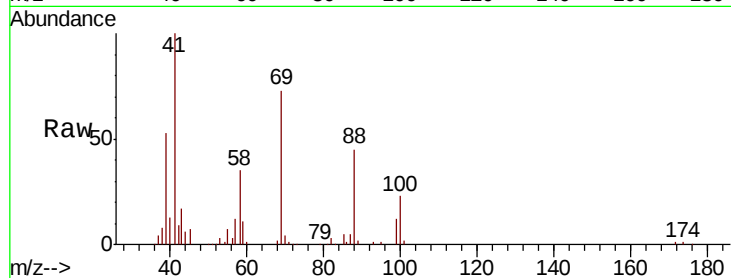
#49
1,4-Dioxane
Concen: 898.792 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	29.8	44.8
58	81.6	63.9	95.9

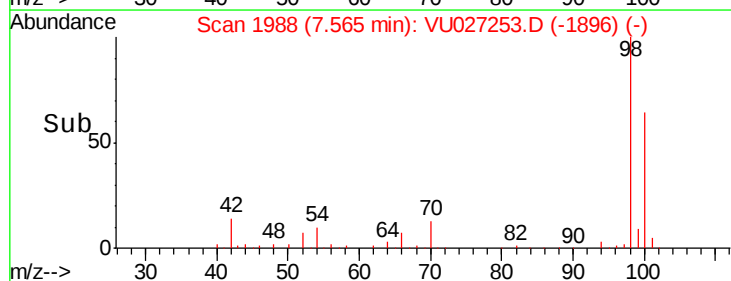
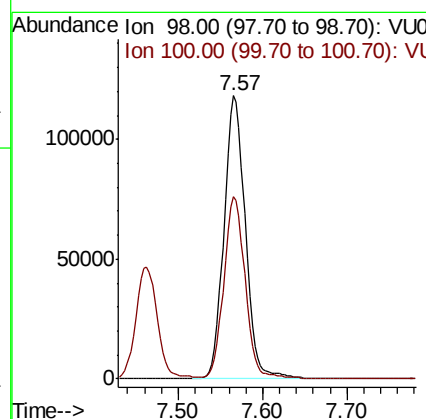
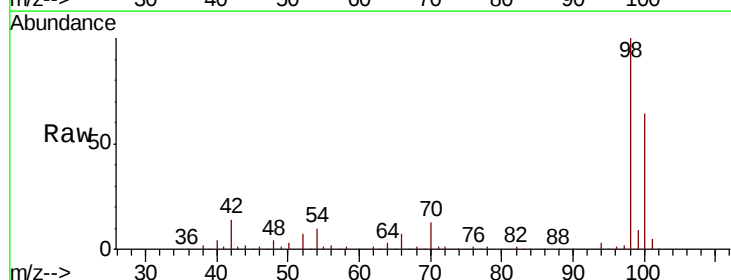
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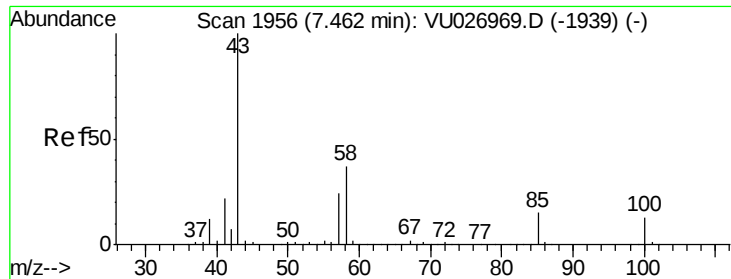
MMDadoda
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#50
Toluene-d8
Concen: 46.555 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 290.270 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 696567

Ion Ratio Lower Upper

43 100

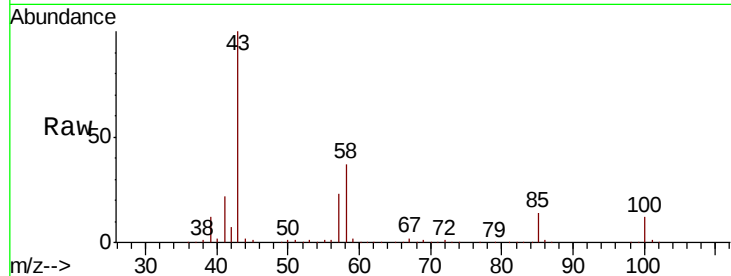
58 36.7 29.8 44.6

Manual Integrations

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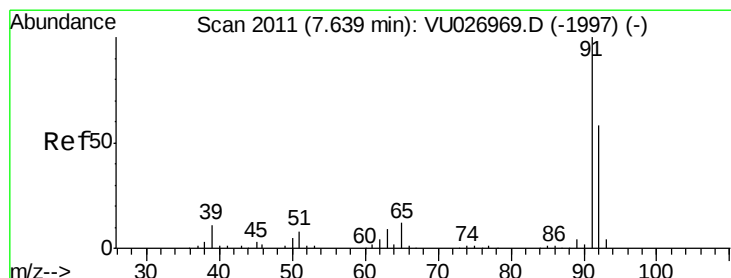
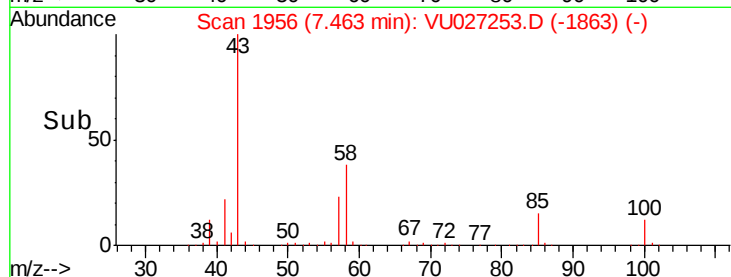
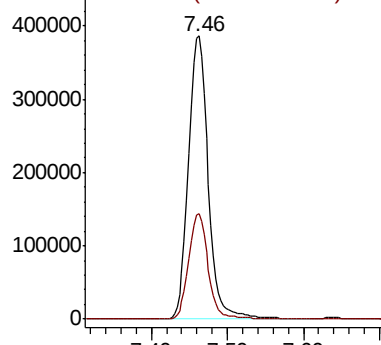
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 54.973 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027253.D

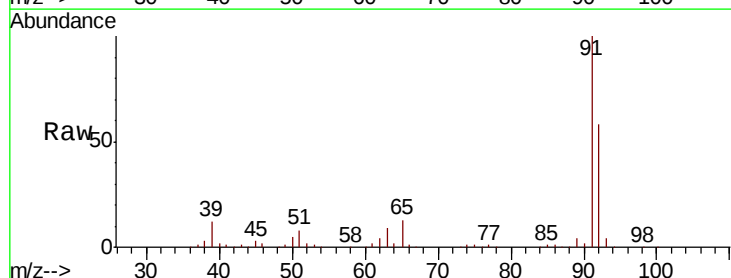
Acq: 28 Sep 2018 02:48

Tgt Ion: 92 Resp: 173122

Ion Ratio Lower Upper

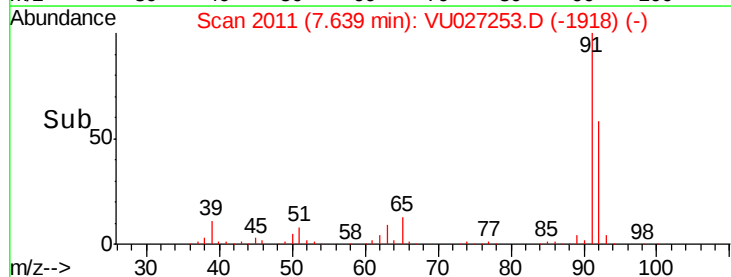
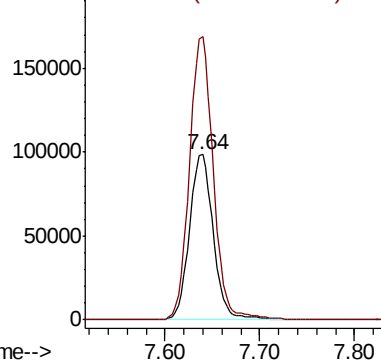
92 100

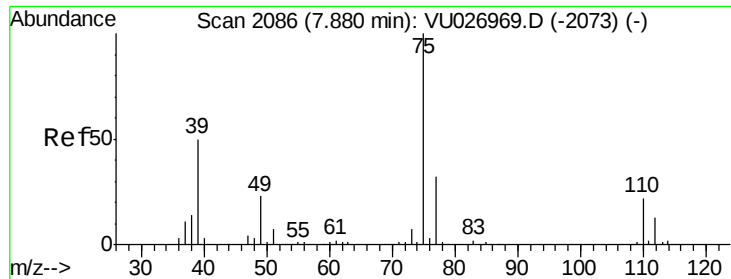
91 171.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





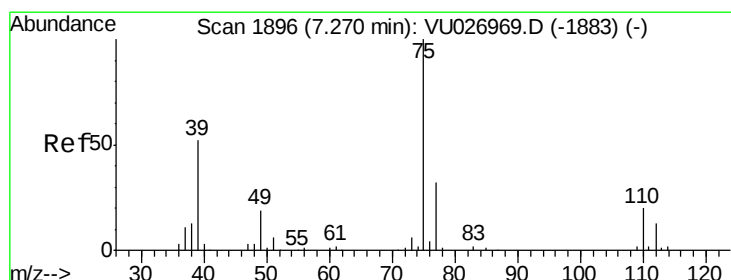
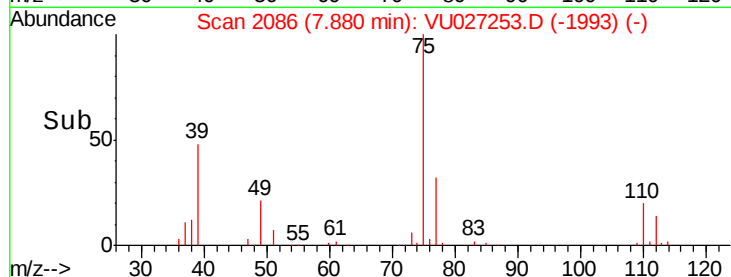
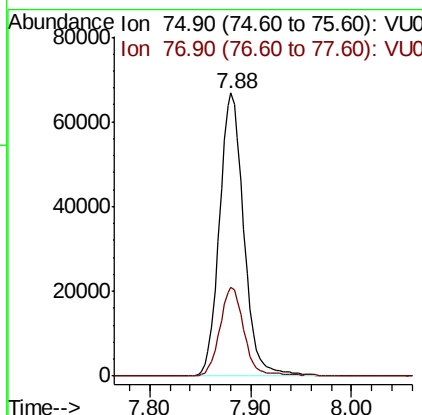
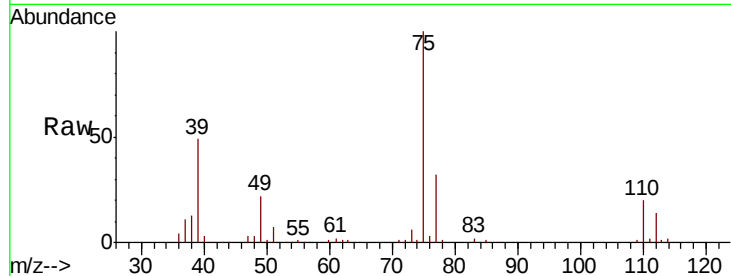
#53
t-1,3-Dichloropropene
Concen: 54.998 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 112968
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

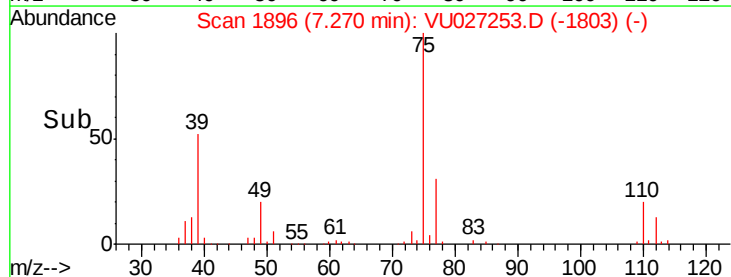
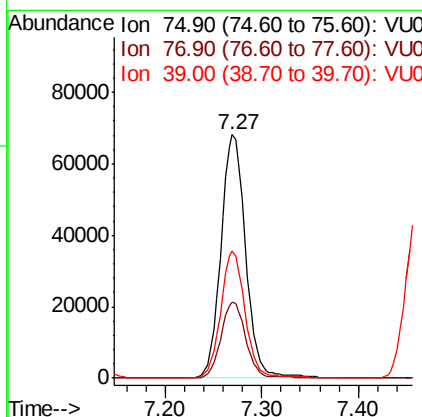
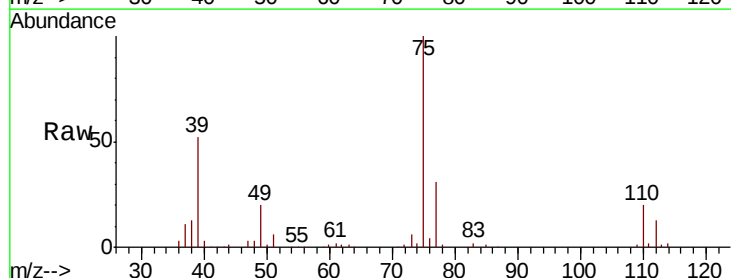
Manual Integrations
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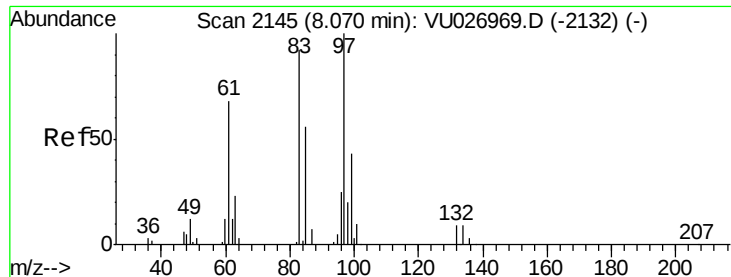
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.594 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion: 75 Resp: 121040
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0
39 52.2 41.6 62.4





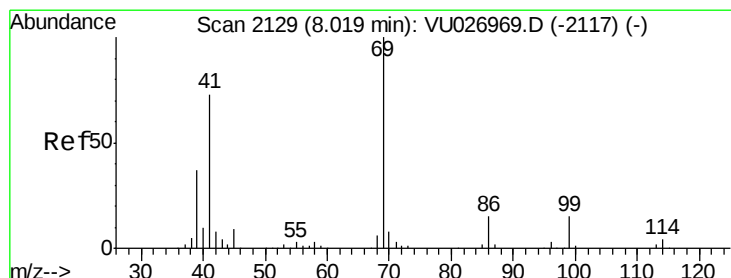
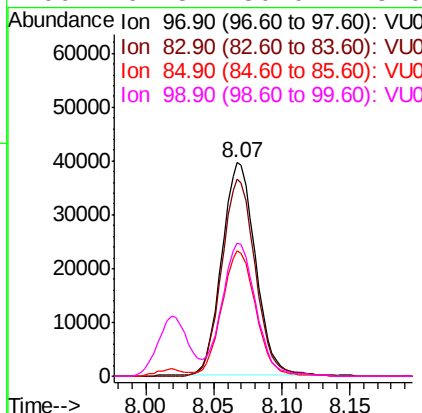
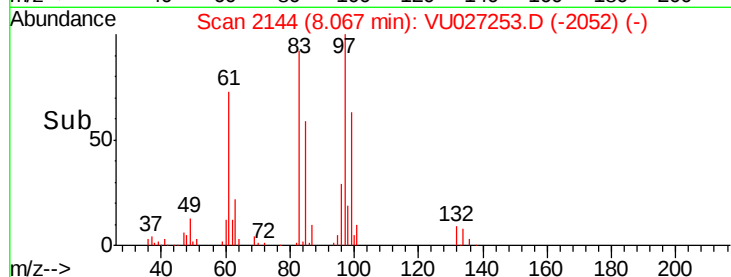
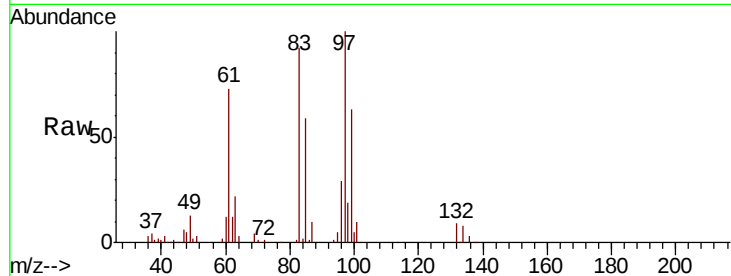
#55
 1,1,2-Trichloroethane
 Concen: 50.964 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	68006
Ion	Ratio	Lower	Upper
97	100		
83	92.1	73.1	109.7
85	58.9	46.7	70.1
99	62.8	50.0	75.0

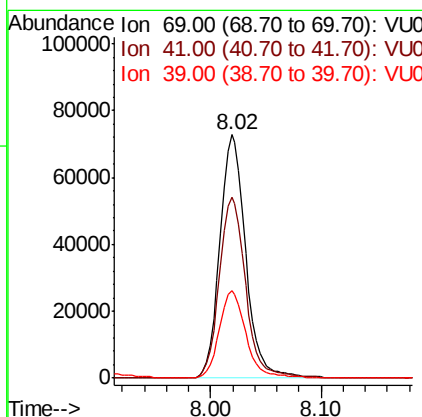
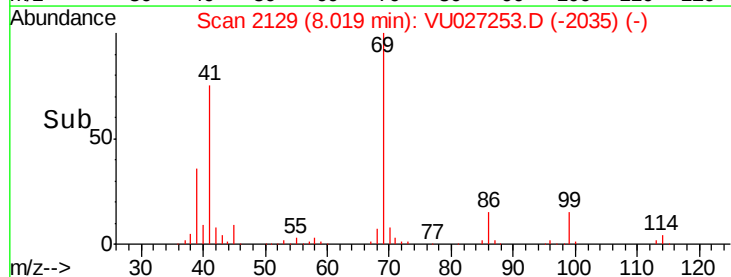
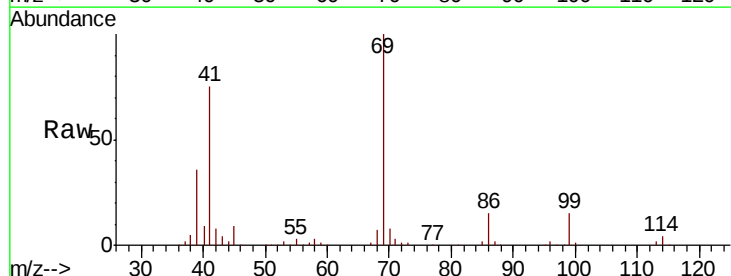
Manual Integrations
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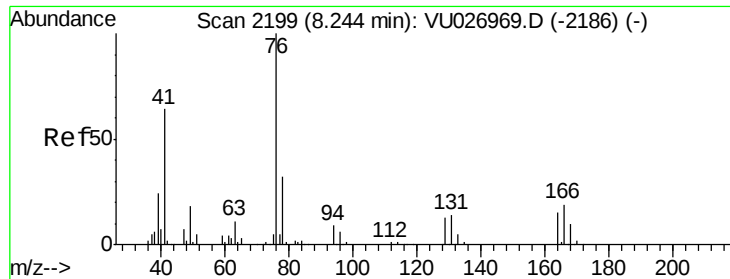
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#56
 Ethyl methacrylate
 Concen: 51.287 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion:	69	Resp:	118882
Ion	Ratio	Lower	Upper
69	100		
41	76.1	59.0	88.4
39	36.4	30.2	45.4





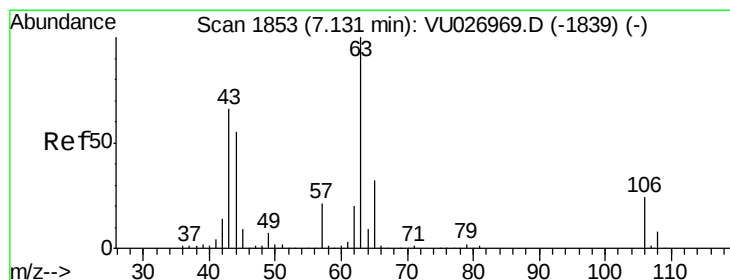
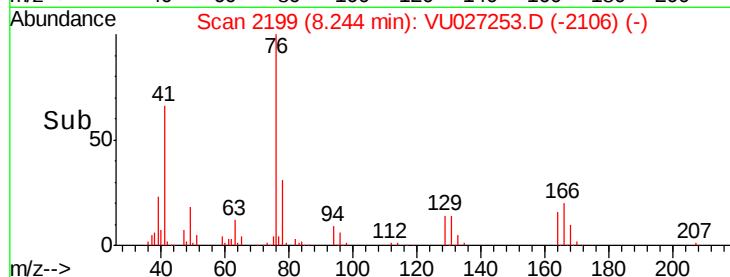
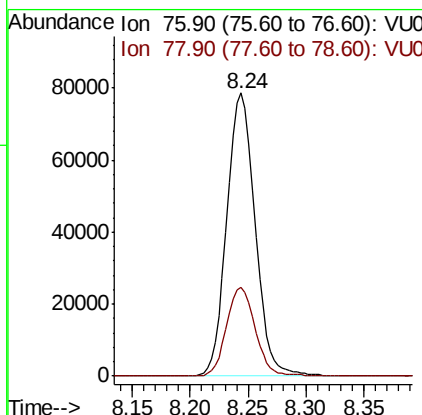
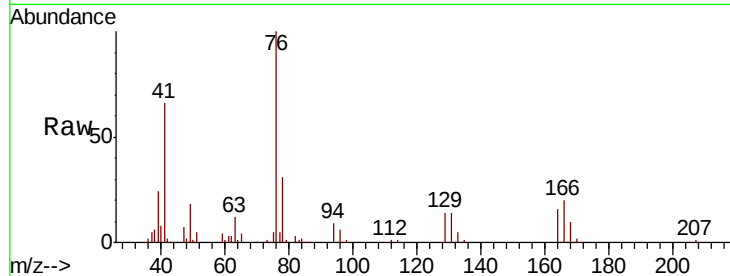
#57
 1,3-Dichloropropane
 Concen: 53.547 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

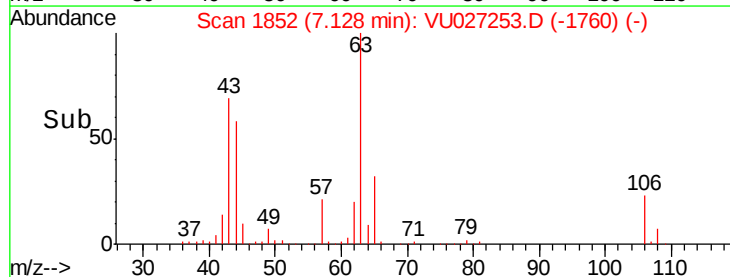
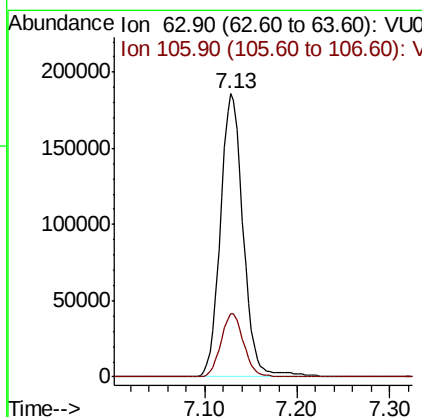
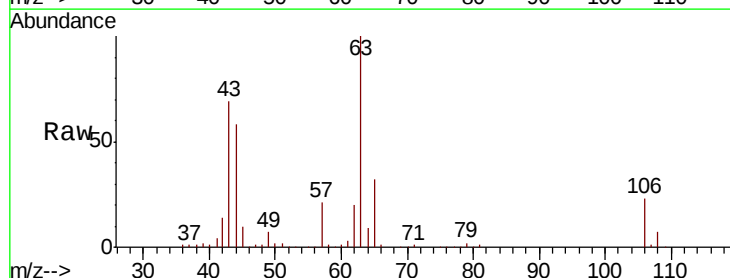
Manual Integrations
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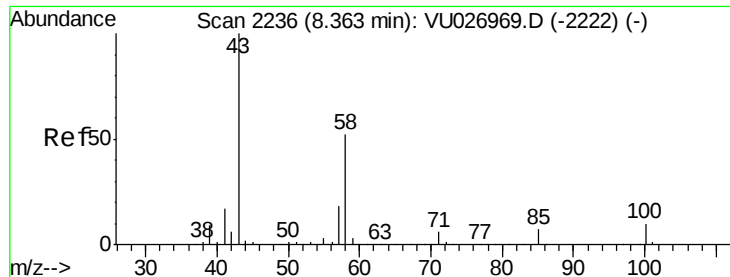
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#58
 2-Chloroethyl Vinyl ether
 Concen: 241.155 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.6	18.7	28.1





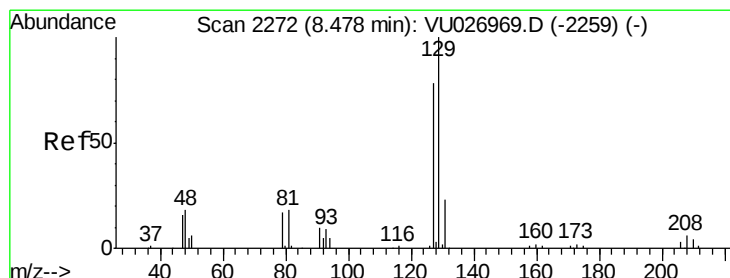
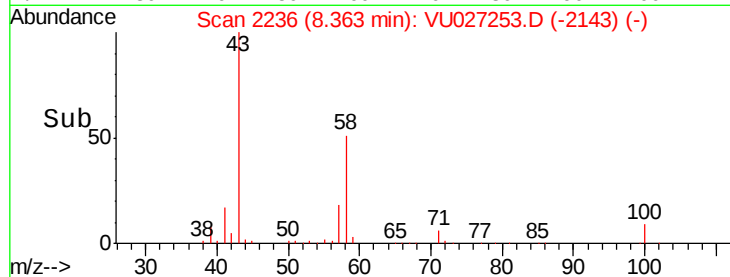
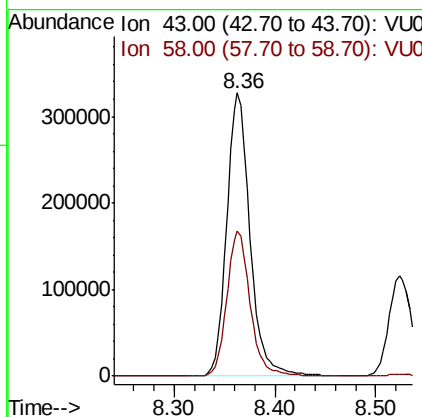
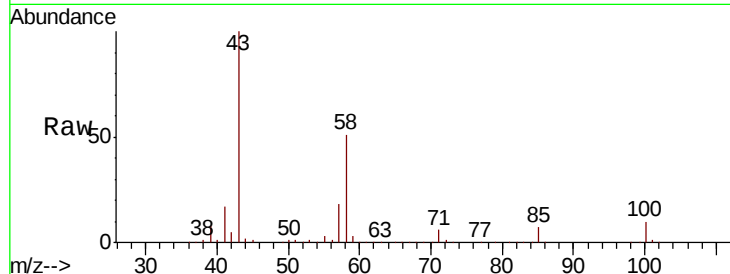
#59
 2-Hexanone
 Concen: 281.897 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.1	78.2

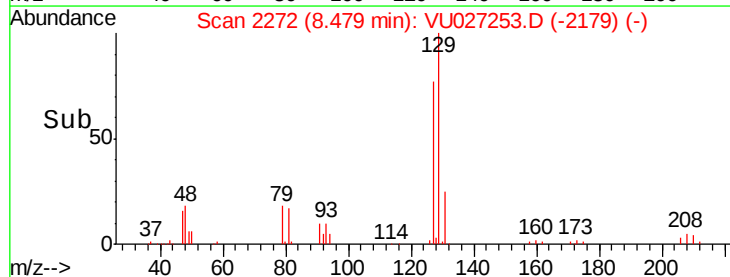
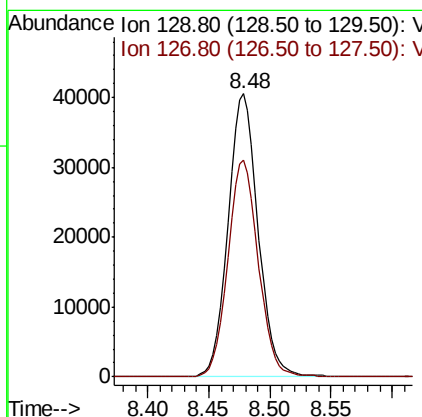
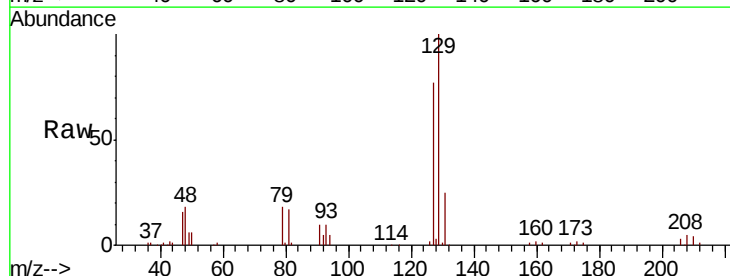
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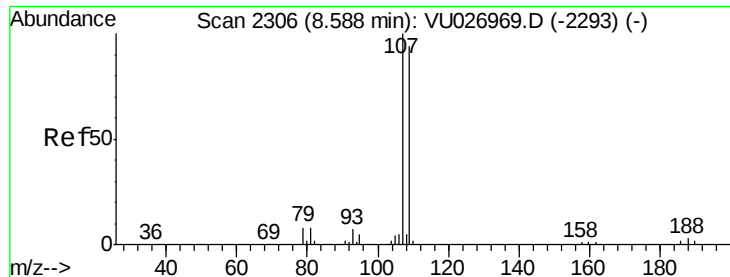
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#60
 Dibromochloromethane
 Concen: 53.366 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.1	114.5





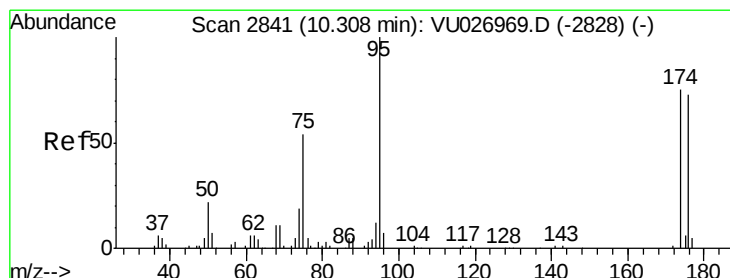
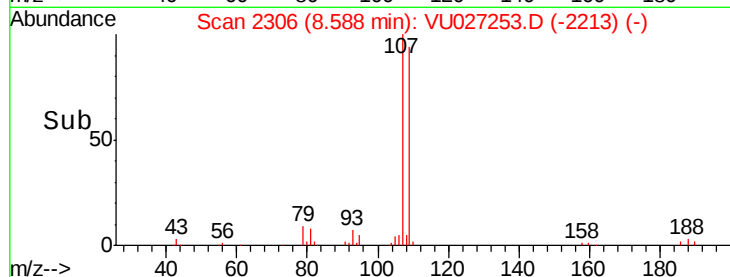
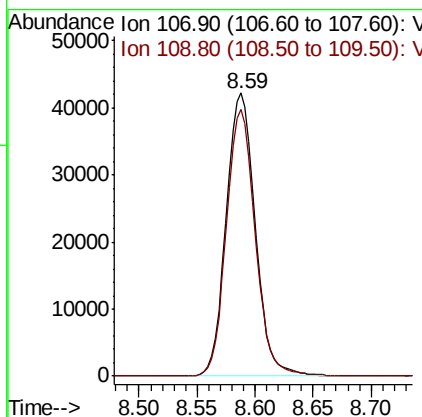
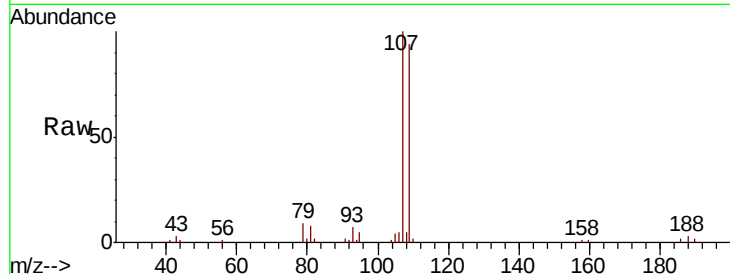
#61
 1,2-Dibromoethane
 Concen: 52.543 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.0	112.6

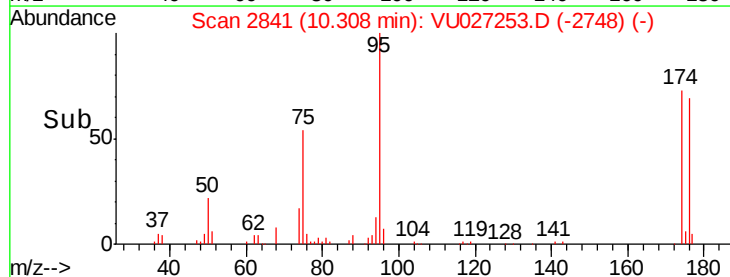
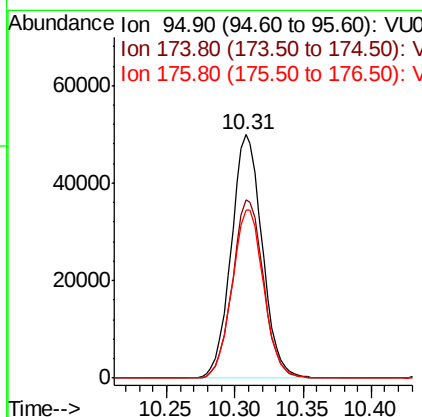
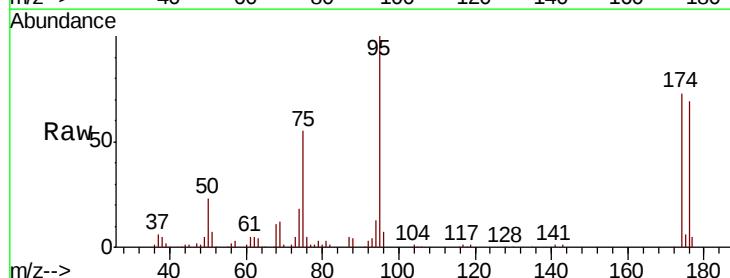
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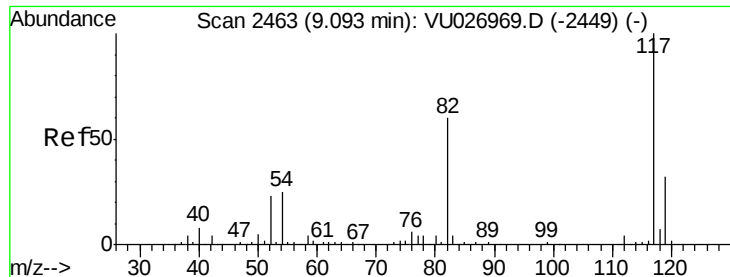
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#62
 4-Bromofluorobenzene
 Concen: 51.217 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	150.2
176	70.6	0.0	145.2





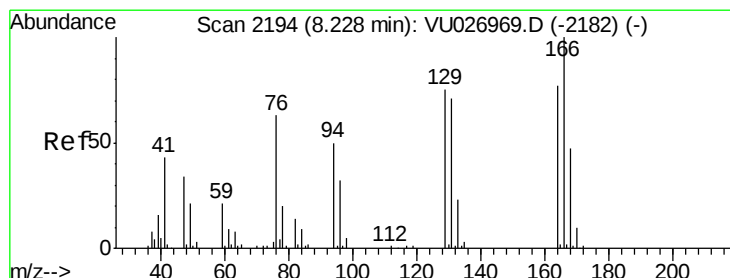
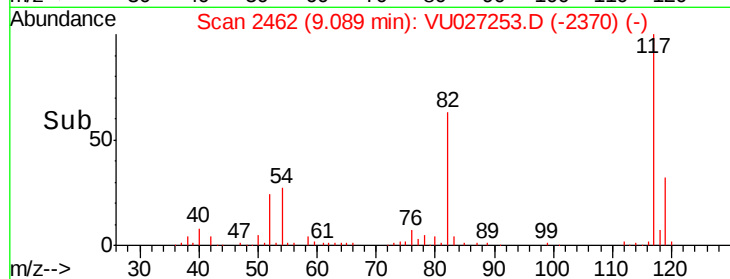
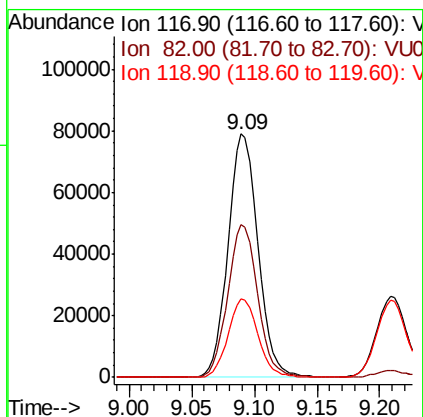
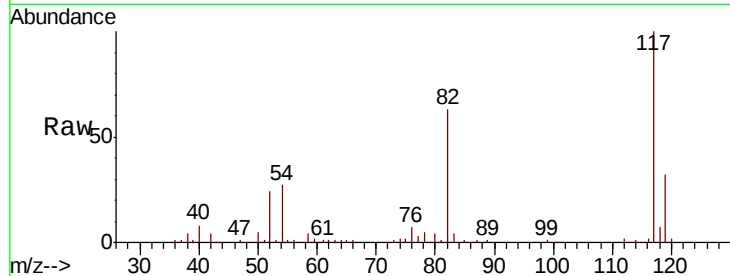
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.9	48.0	72.0
119	32.0	25.8	38.8

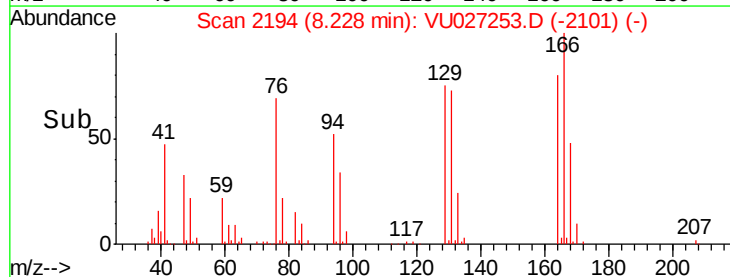
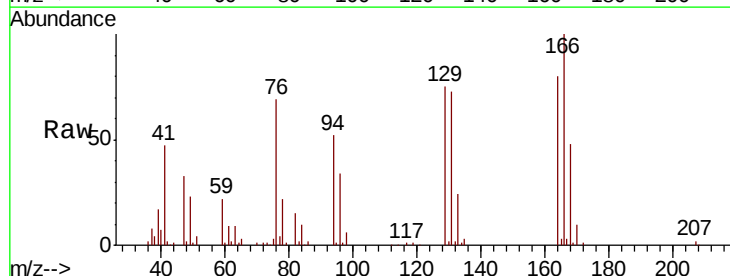
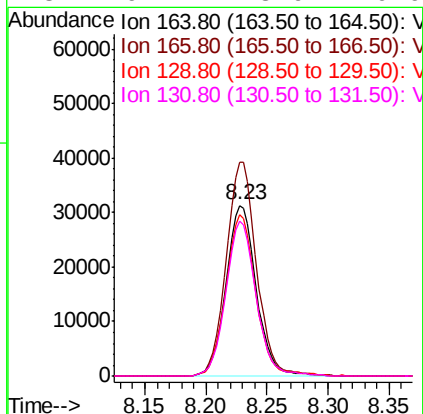
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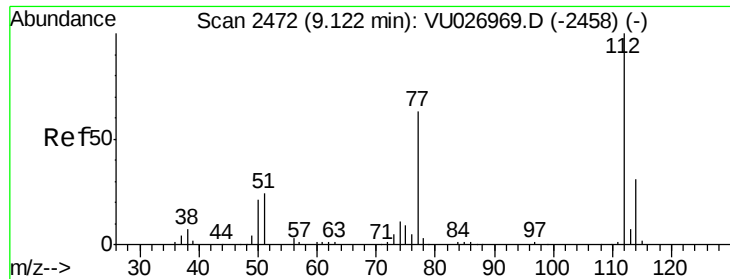
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#64
Tetrachloroethene
Concen: 53.766 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	104.4	156.6
129	94.6	78.7	118.1
131	91.1	73.9	110.9





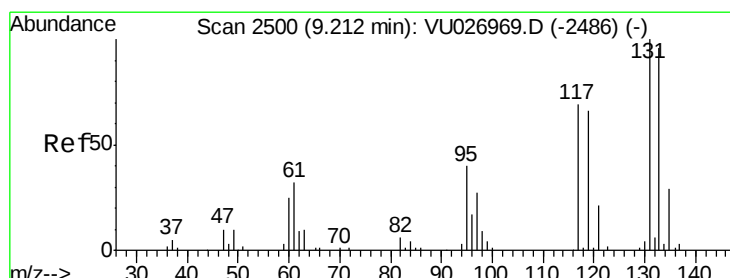
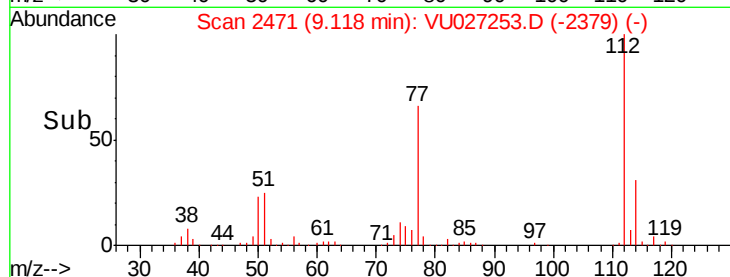
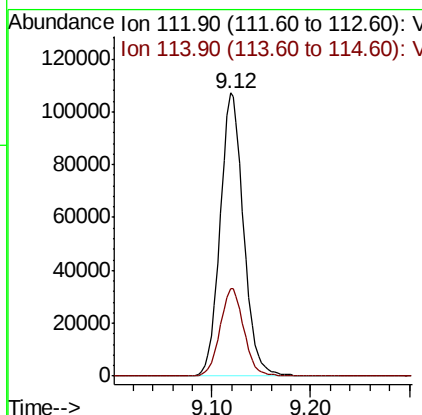
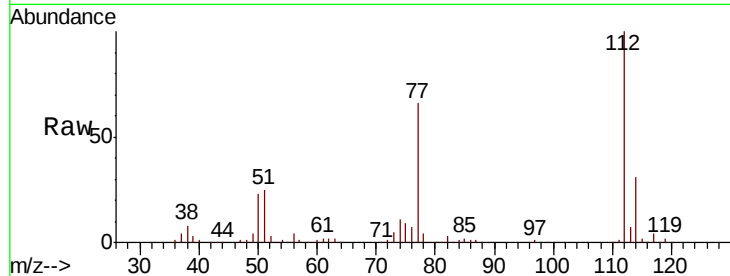
#65
Chlorobenzene
Concen: 51.364 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 178450
Ion Ratio Lower Upper
112 100
114 30.8 25.0 37.6

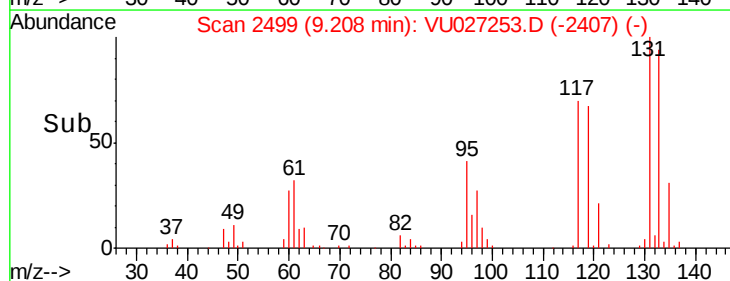
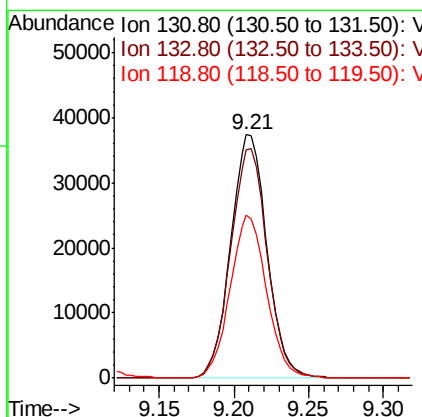
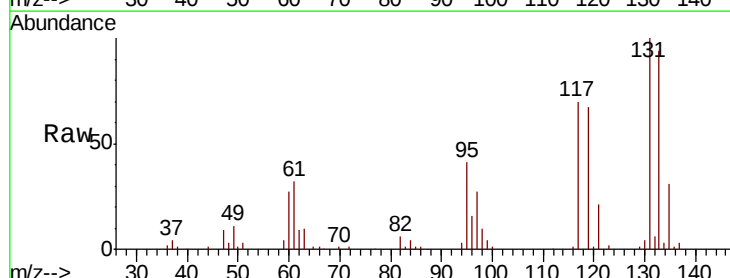
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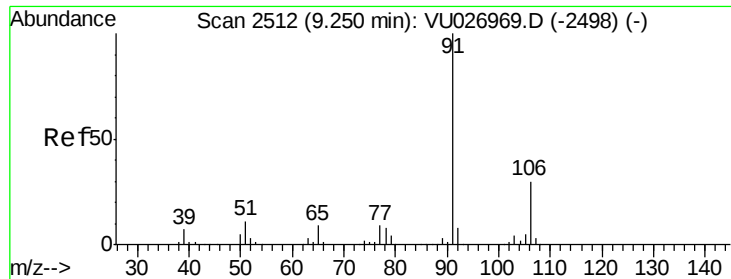
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.771 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion:131 Resp: 63148
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.2
119 67.3 33.4 100.1





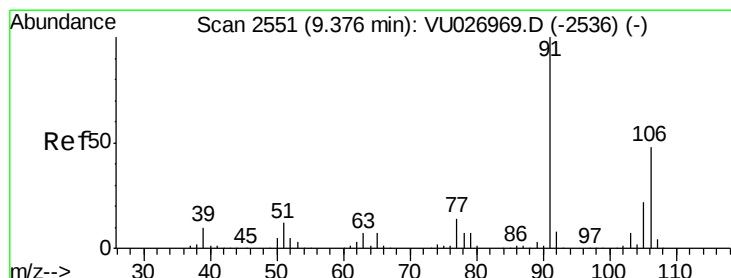
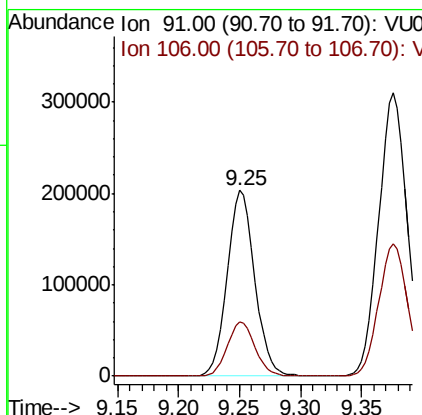
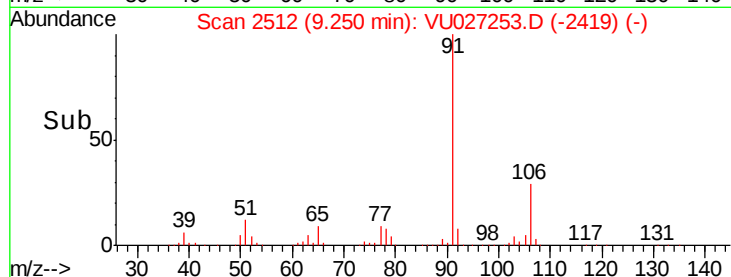
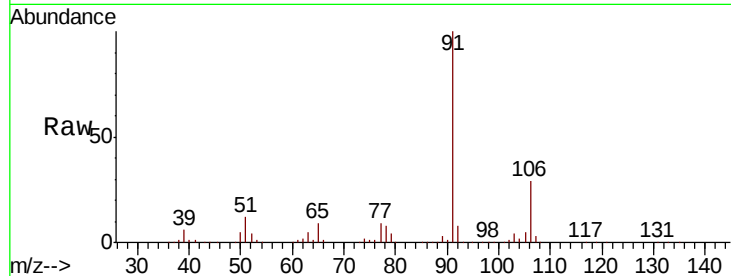
#67
Ethyl Benzene
Concen: 56.361 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 321988
Ion Ratio Lower Upper
91 100
106 29.1 23.8 35.8

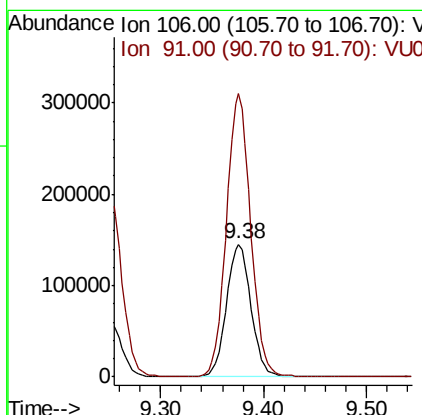
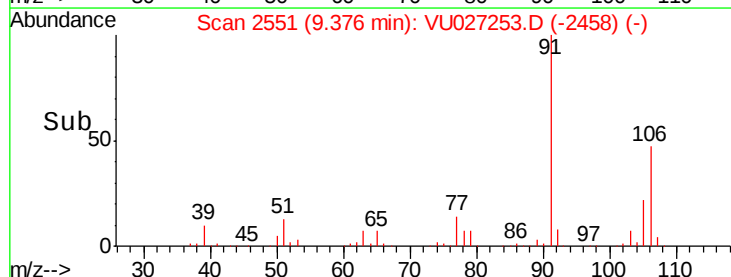
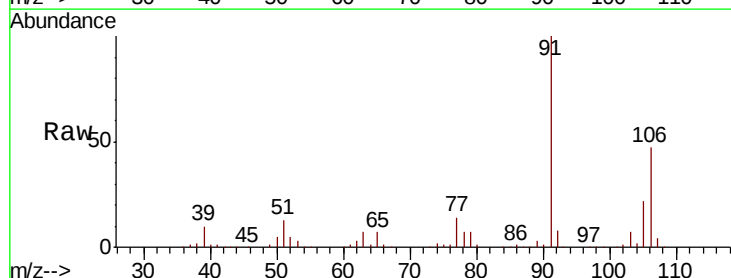
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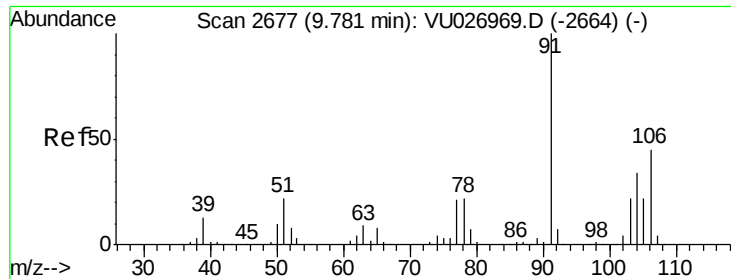
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#68
m/p-Xylenes
Concen: 103.575 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion: 106 Resp: 239762
Ion Ratio Lower Upper
106 100
91 211.8 166.5 249.7





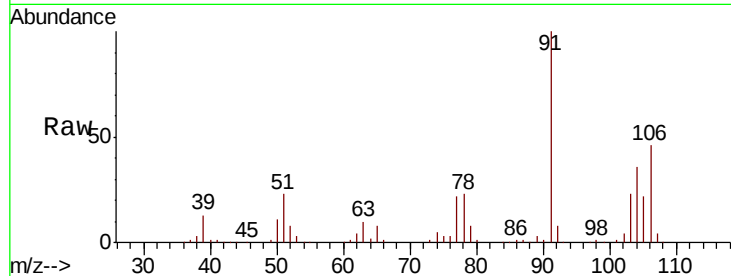
#69
o-Xylene
Concen: 57.331 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

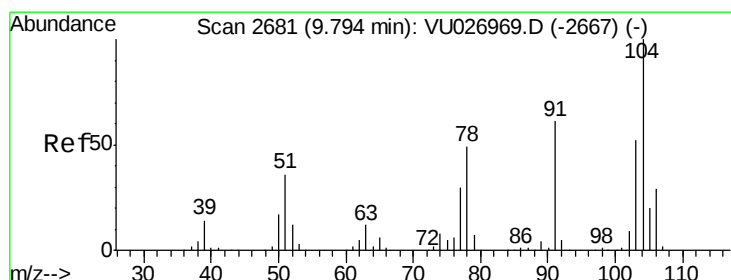
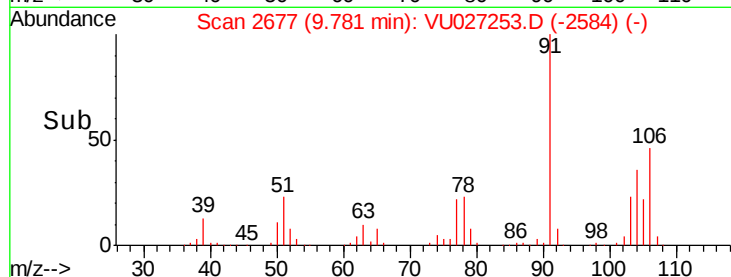
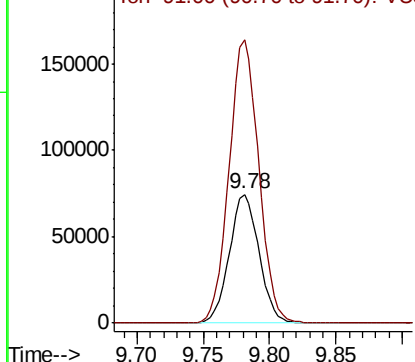
Tot Ion:106 Resp: 116046
Ion Ratio Lower Upper
106 100
91 221.0 110.2 330.6

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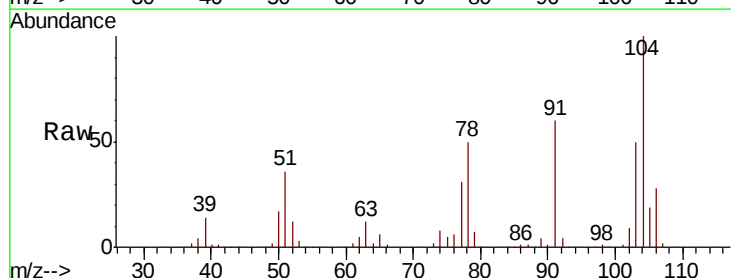


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

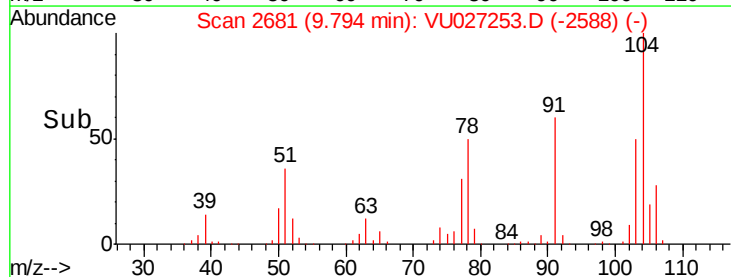
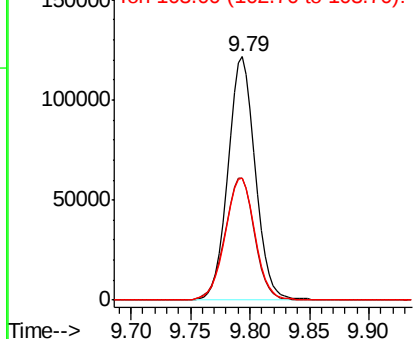


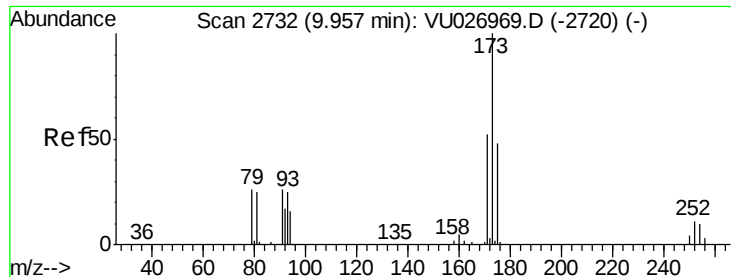
#70
Styrene
Concen: 51.005 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion:104 Resp: 192914
Ion Ratio Lower Upper
104 100
78 54.6 43.0 64.4
103 54.7 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.794 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 50705

Ion Ratio Lower Upper

173 100

175 49.4 23.9 71.8

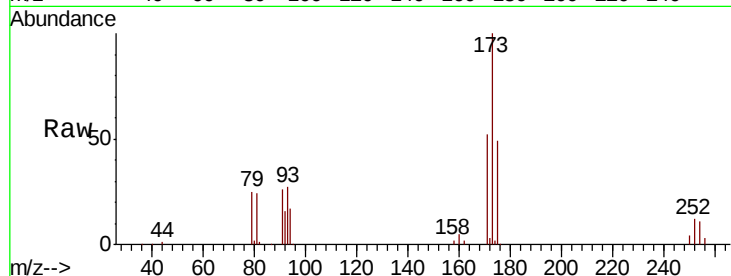
254 0.0 0.0 0.0

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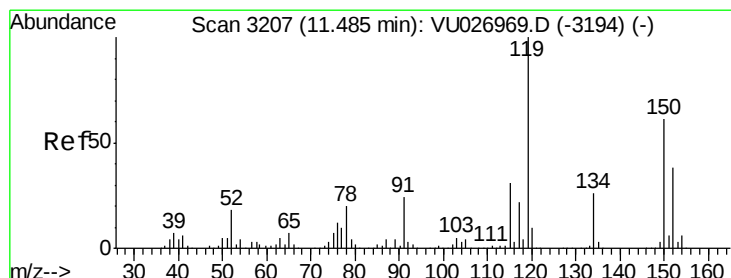
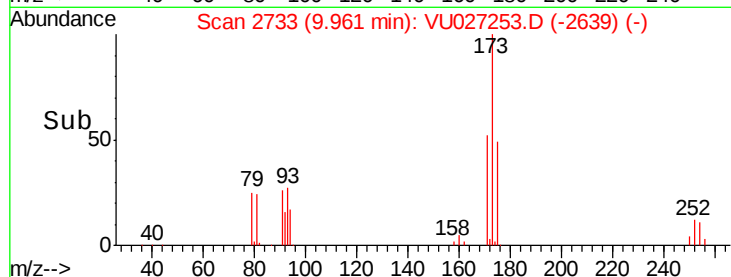
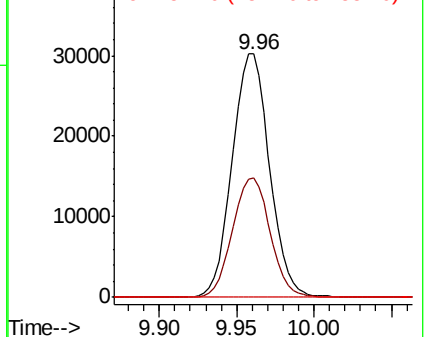


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

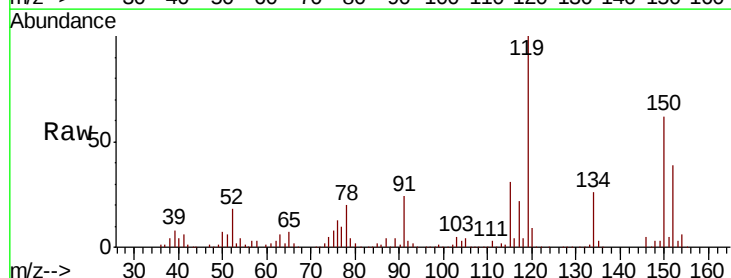
Tgt Ion:152 Resp: 72687

Ion Ratio Lower Upper

152 100

115 89.8 44.9 134.5

150 177.8 0.0 355.8

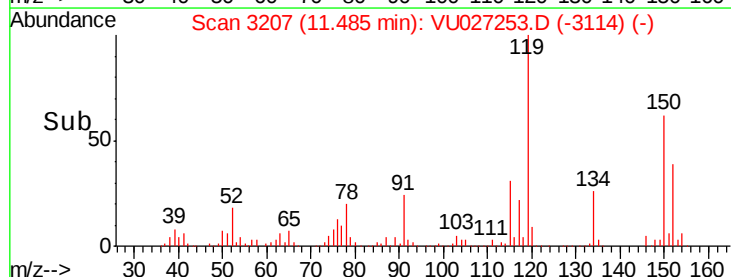
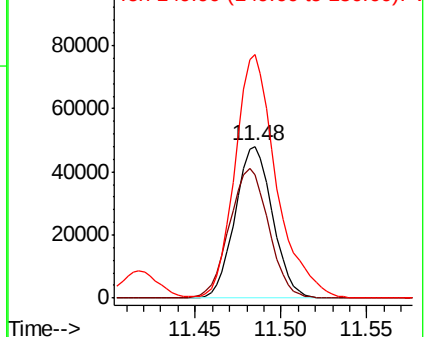


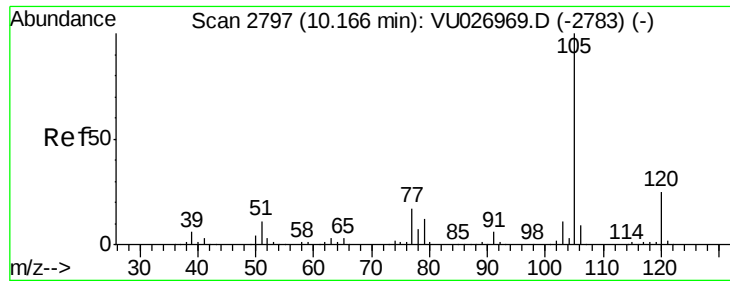
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.740 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 313727

Ion Ratio Lower Upper

105 100

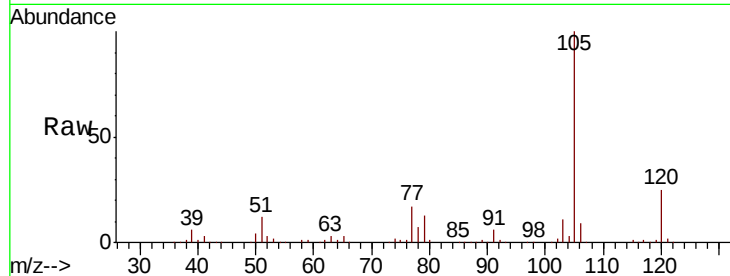
120 25.6 12.8 38.4

Manual Integrations

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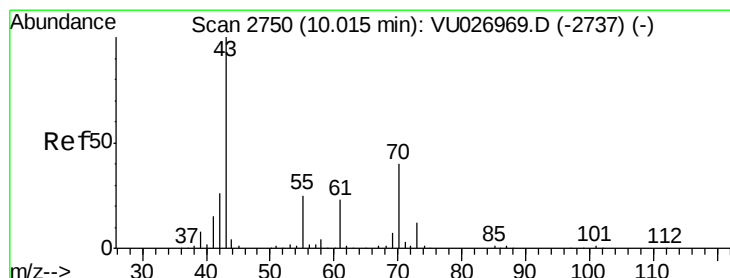
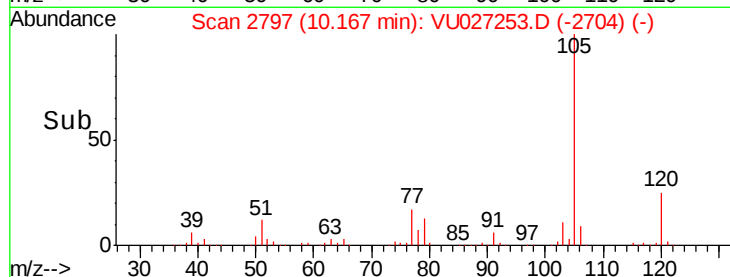
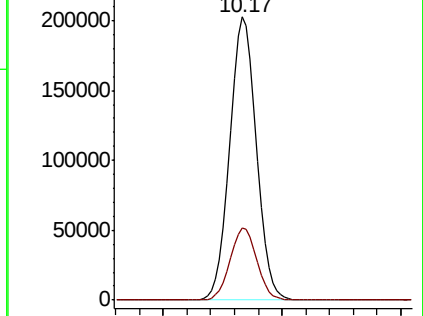
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.684 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Tgt Ion: 43 Resp: 184622

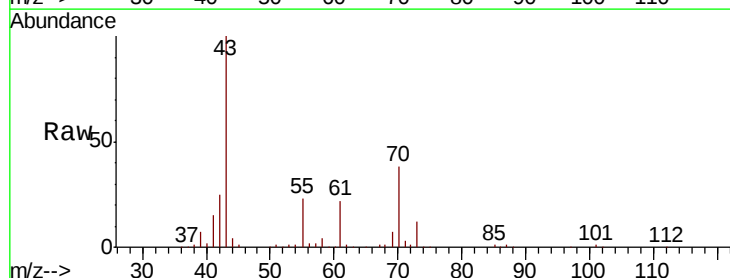
Ion Ratio Lower Upper

43 100

70 38.6 31.8 47.8

55 23.8 19.9 29.9

61 22.5 18.4 27.6

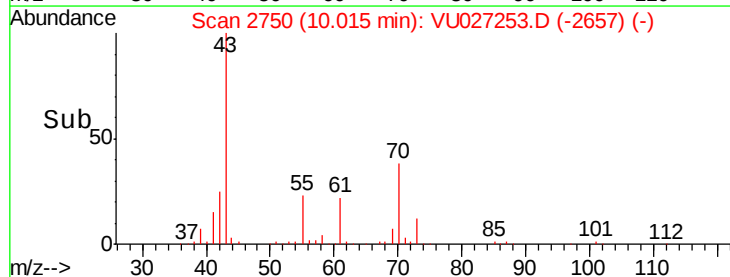
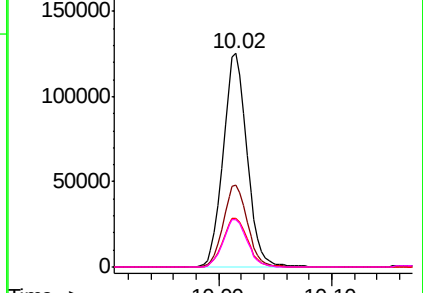


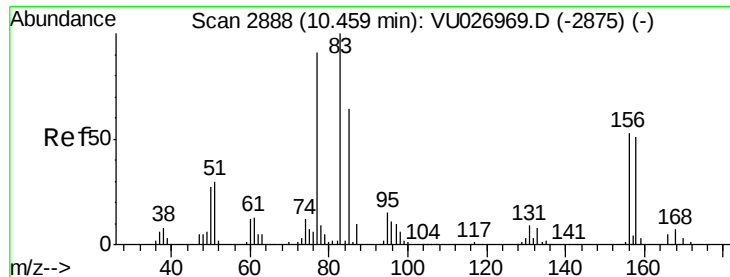
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





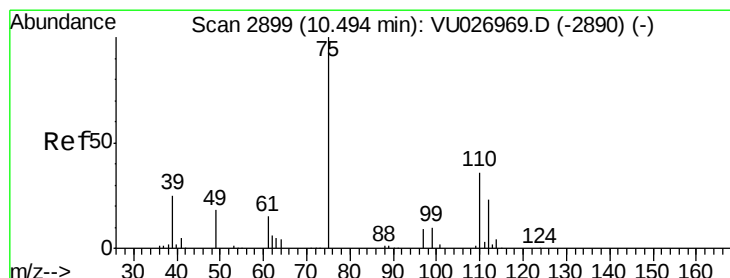
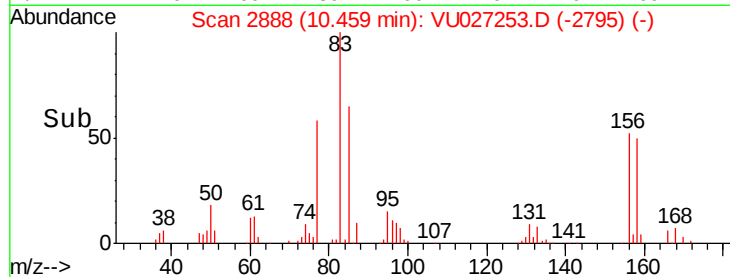
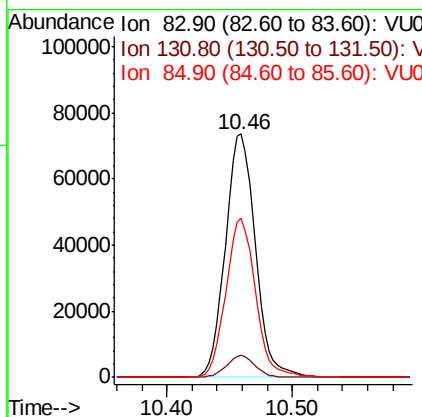
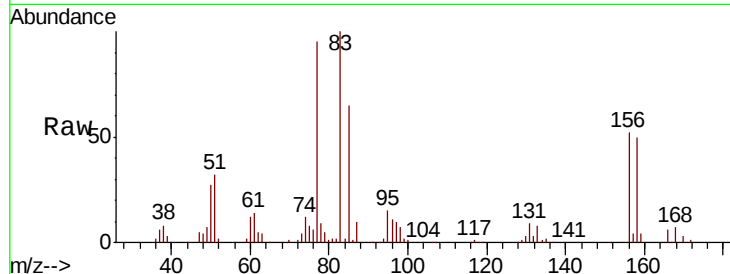
#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.087 ug/l
 RT: 10.46 min Scan# 2888
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	122246		
131	8.5	4.3	12.8	
85	64.5	31.9	95.7	

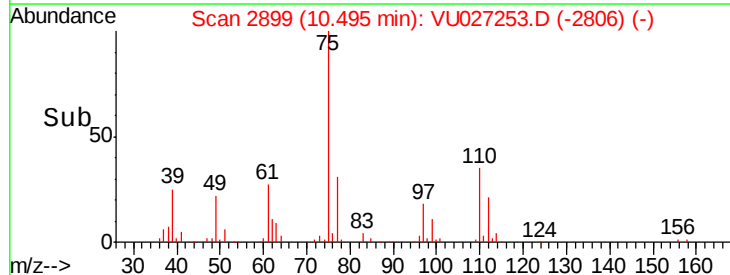
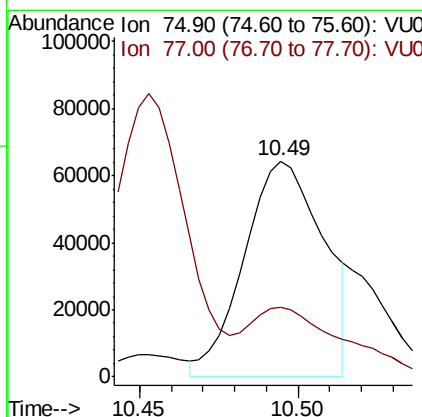
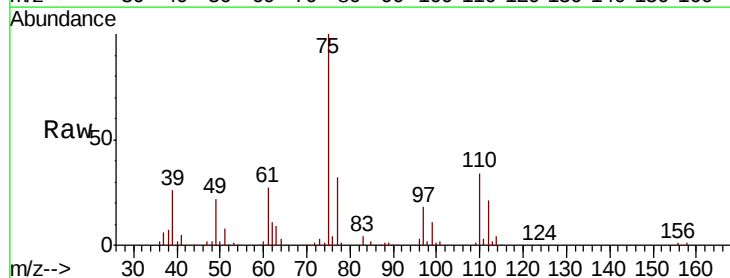
Manual Integrations
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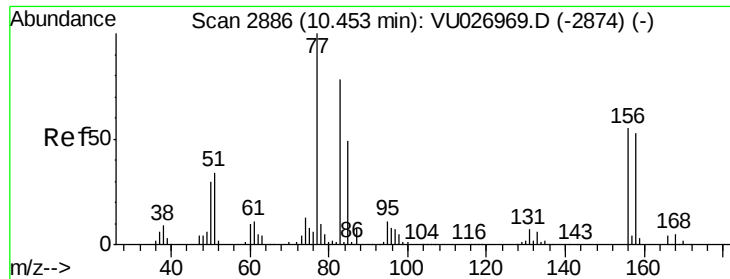
MMDadoda
 10/2/2018 1:07:23 PM



#76
 1,2,3-Trichloropropane
 Concen: 50.526 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	111571		
77	37.6	20.9	62.8	





#77

Bromobenzene

Concen: 52.546 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

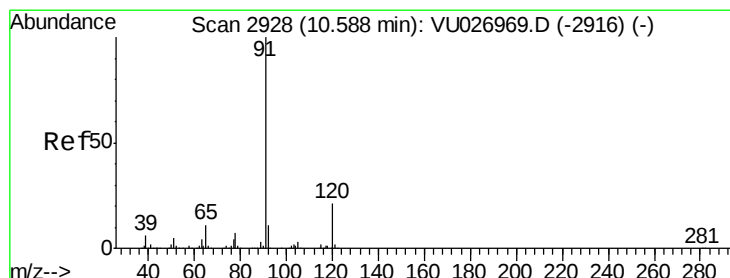
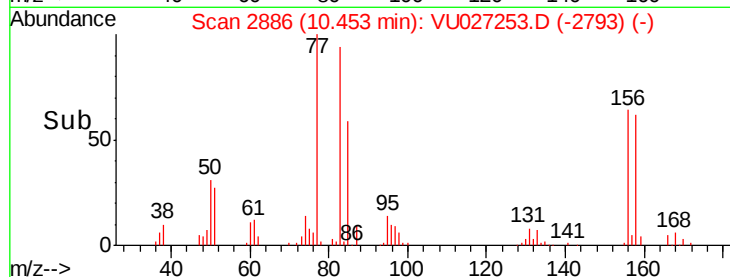
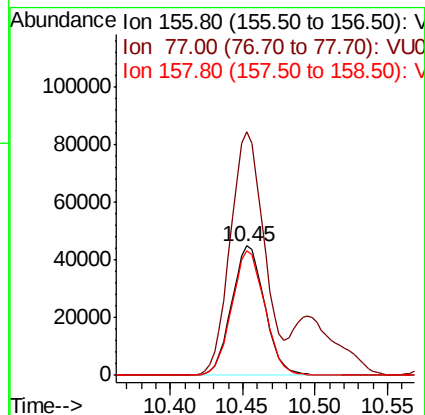
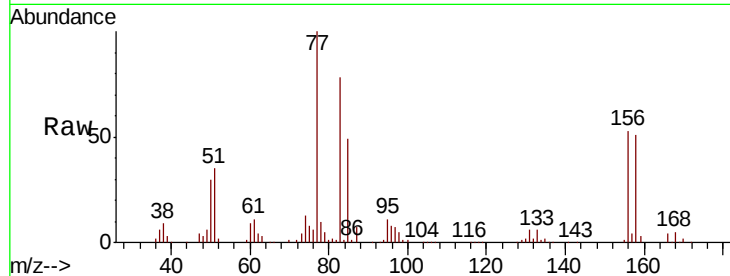
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	70999
Ion	Ratio	Lower	Upper
156	100		
77	192.6	92.3	276.9
158	96.3	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 58.177 ug/l

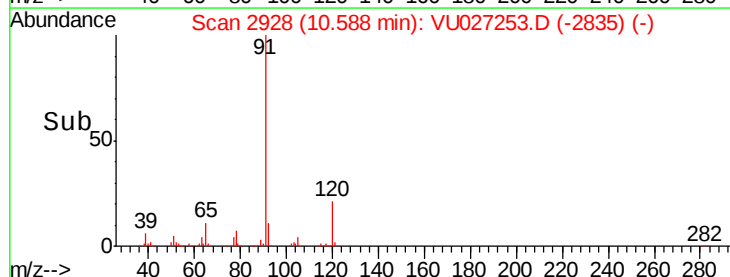
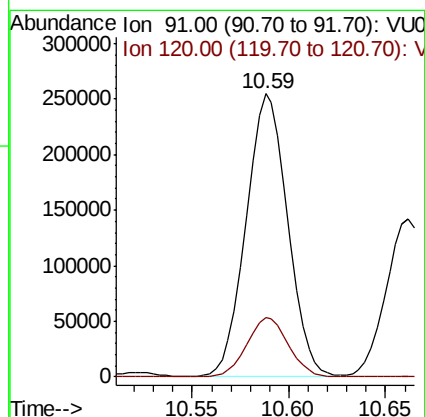
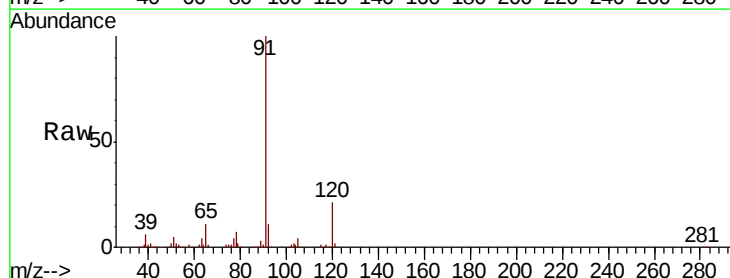
RT: 10.59 min Scan# 2928

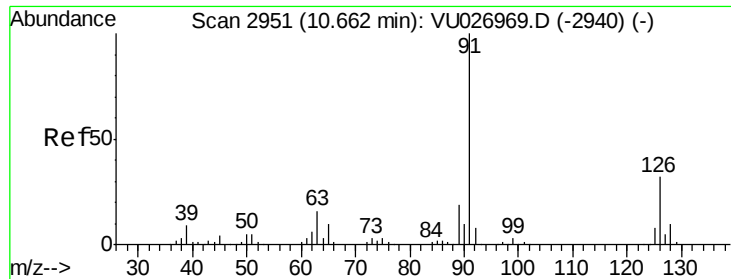
Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Tgt Ion:	91	Resp:	380617
Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.6	31.8





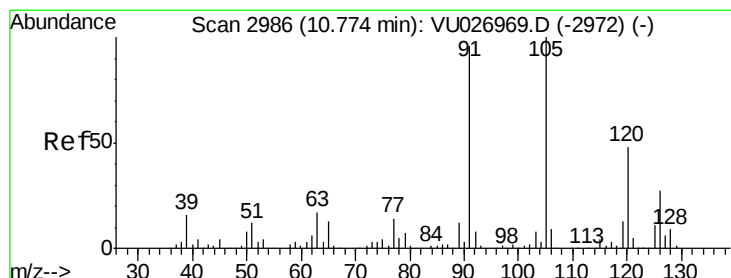
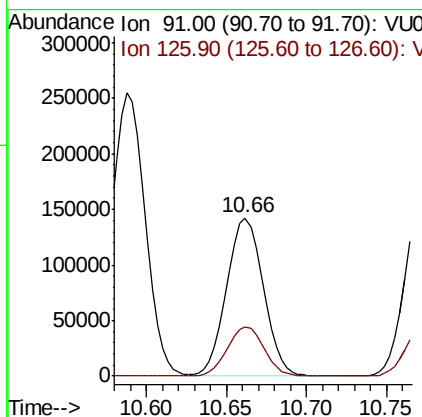
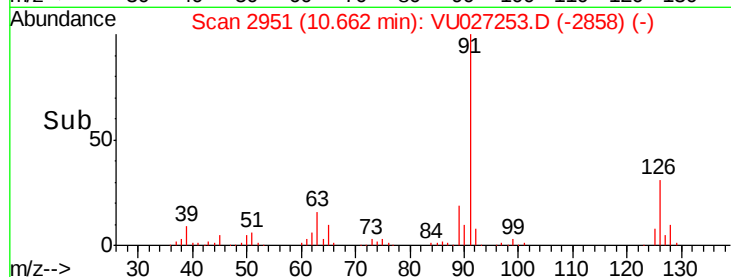
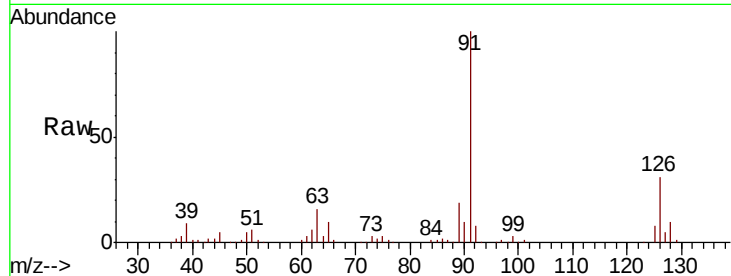
#79
 2-Chlorotoluene
 Concen: 54.363 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 223402
 Ion Ratio Lower Upper
 91 100
 126 31.0 15.8 47.3

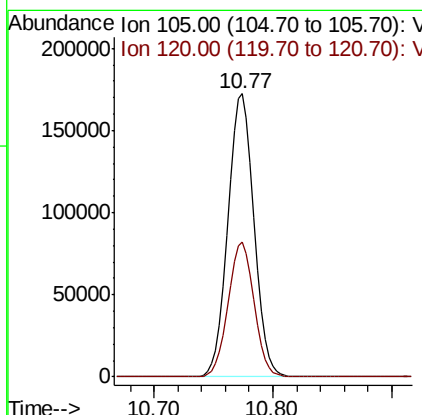
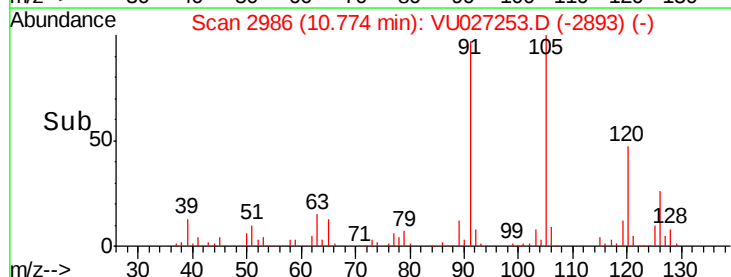
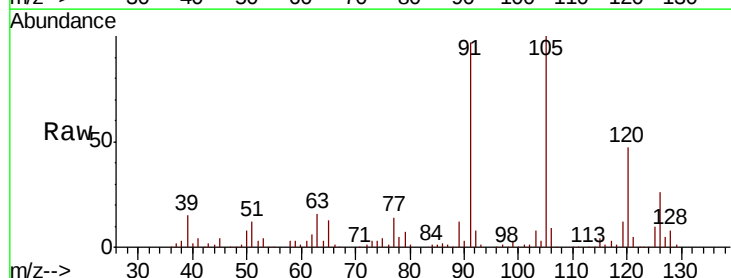
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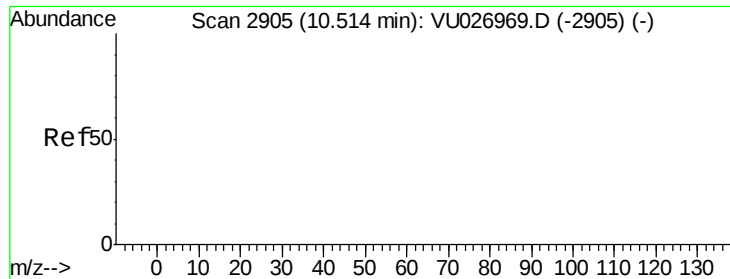
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#80
 1,3,5-Trimethylbenzene
 Concen: 57.251 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion: 105 Resp: 261307
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 43.726 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Instrument :

MSVOA_U

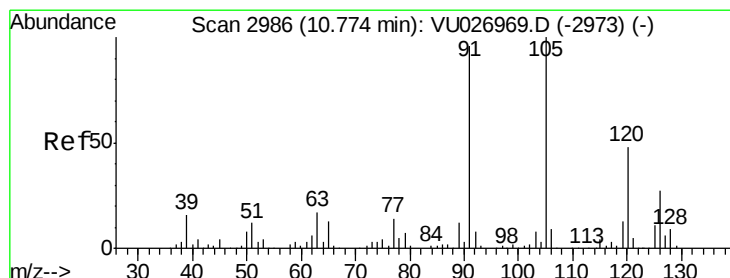
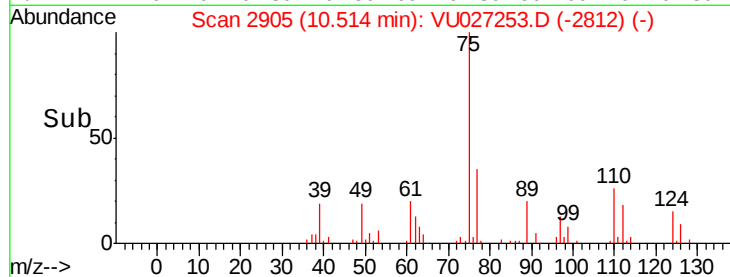
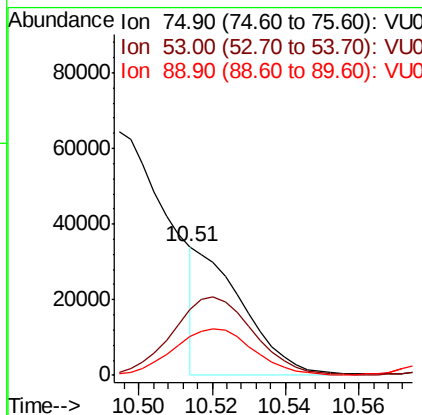
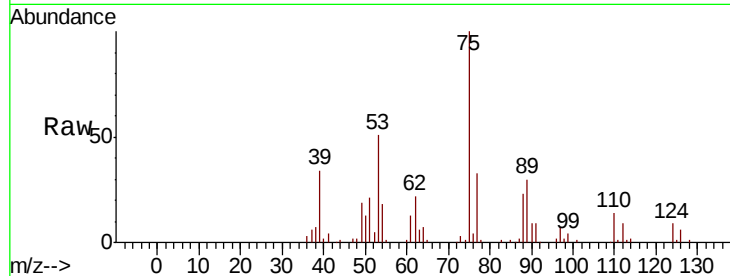
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	30172
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 55.934 ug/l

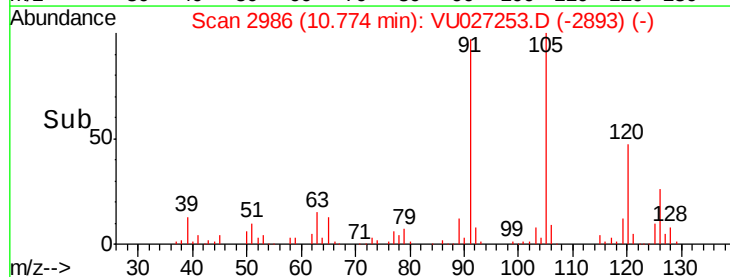
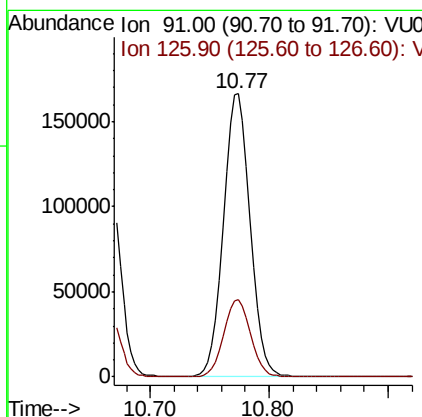
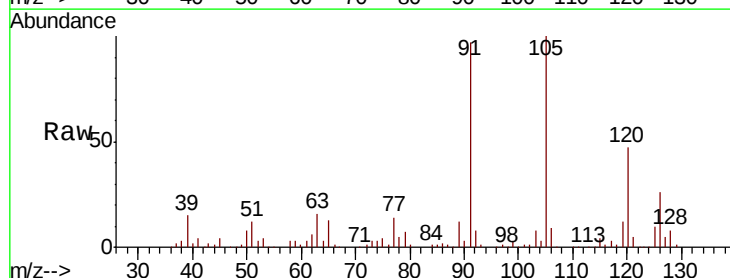
RT: 10.77 min Scan# 2986

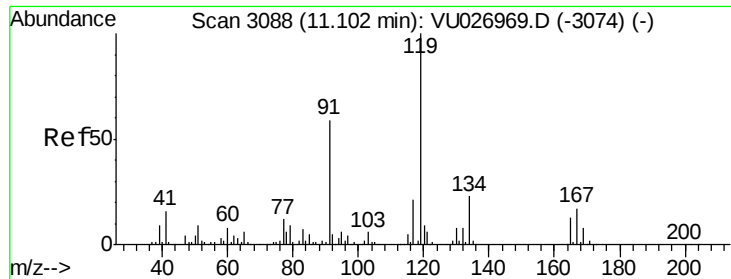
Delta R.T. 0.00 min

Lab File: VU027253.D

Acq: 28 Sep 2018 02:48

Tgt Ion:	91	Resp:	257737
Ion Ratio	Lower	Upper	
91	100		
126	27.5	14.1	42.2





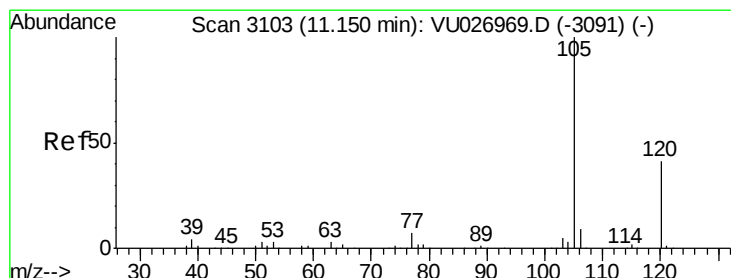
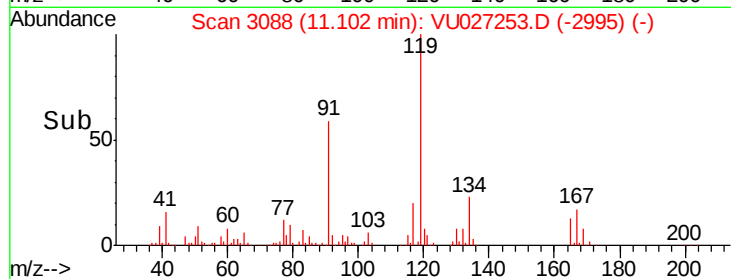
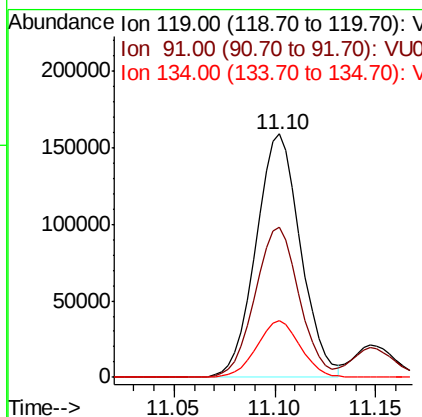
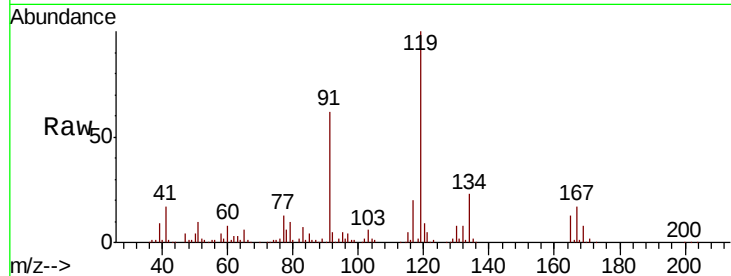
#83
tert-Butylbenzene
Concen: 54.522 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	29.8	89.4
134	22.7	11.5	34.4

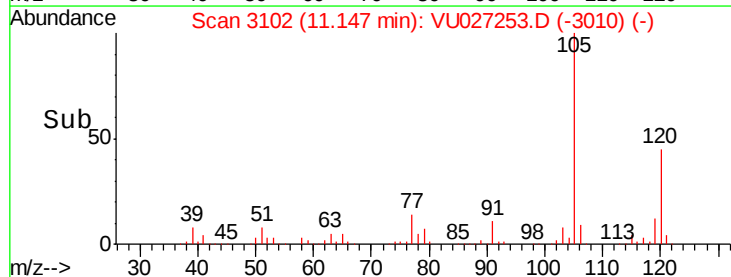
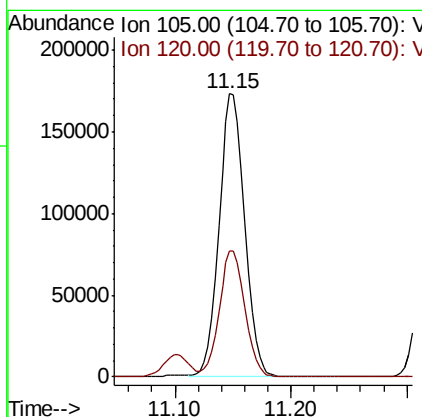
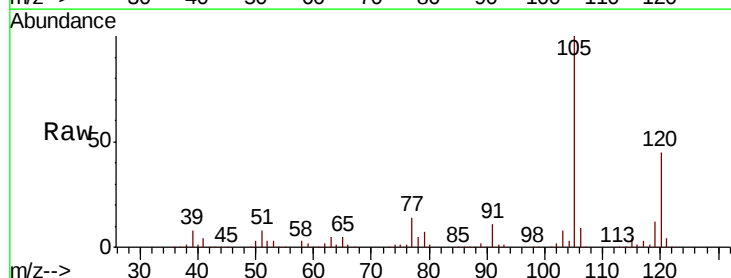
Manual Integrations
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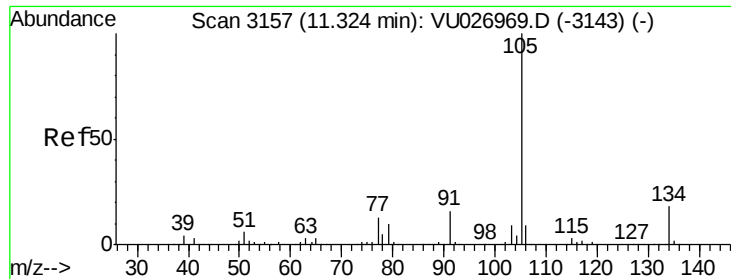
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 57.372 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.2





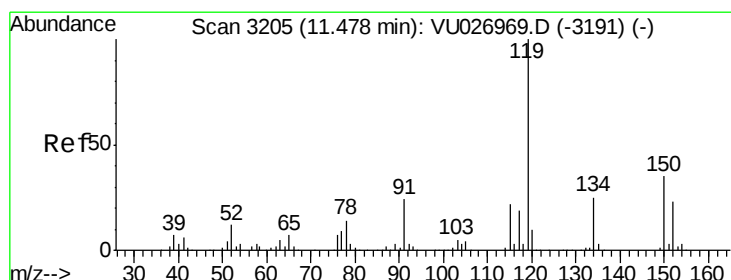
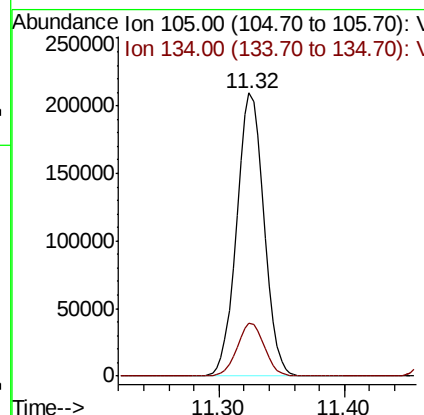
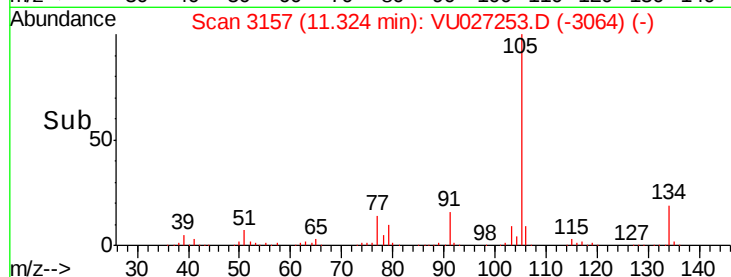
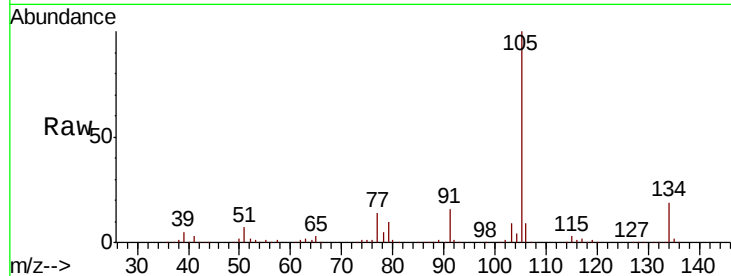
#85
 sec-Butylbenzene
 Concen: 57.309 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.4	28.2

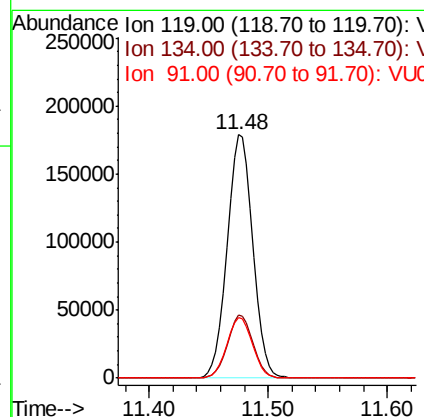
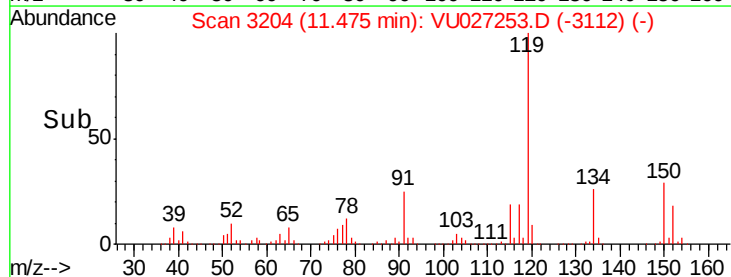
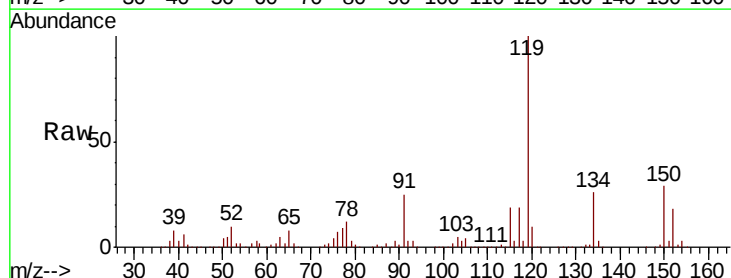
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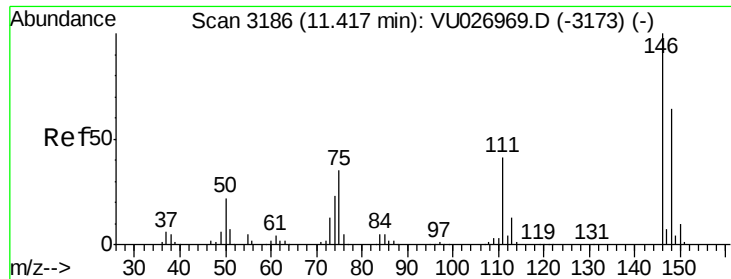
MMDadoda
 10/2/2018 1:07:23 PM



#86
 p-Isopropyltoluene
 Concen: 51.569 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.3
91	24.9	12.3	36.8





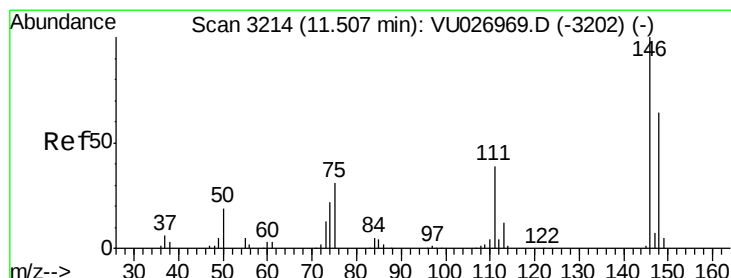
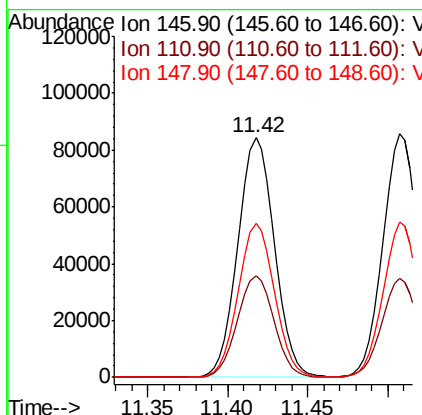
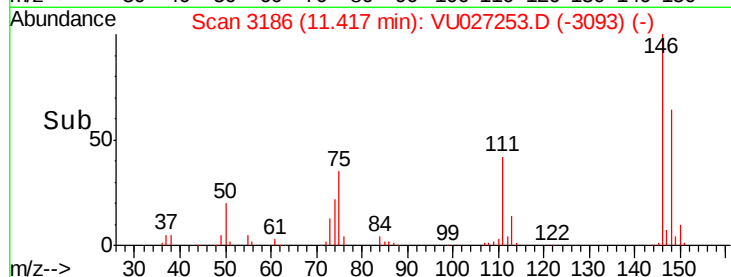
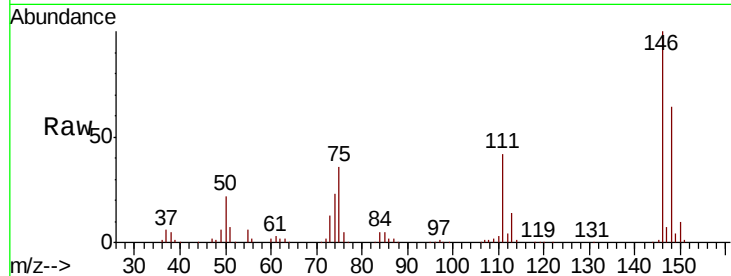
#87
 1,3-Dichlorobenzene
 Concen: 52.213 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.8	62.2
148	63.6	32.0	96.2

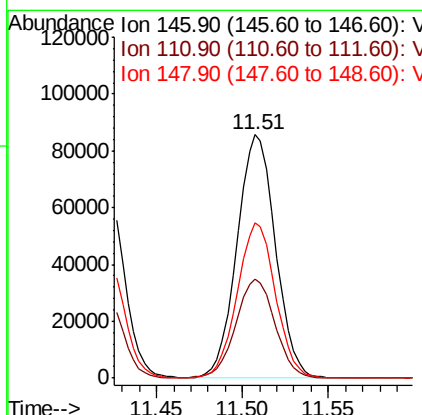
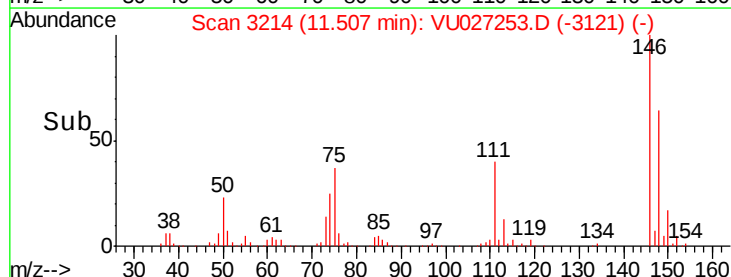
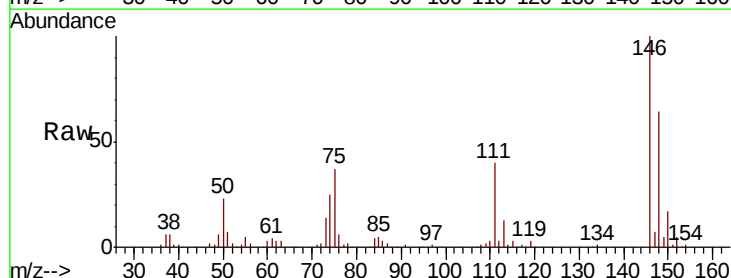
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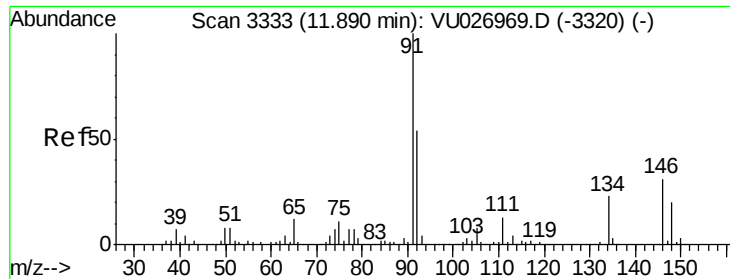
MMDadoda
 10/2/2018 1:07:23 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.319 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	60.9
148	64.1	31.9	95.9





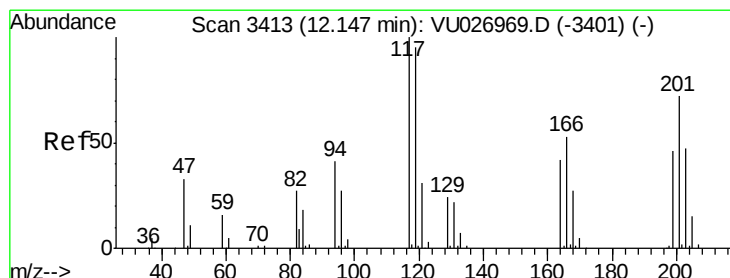
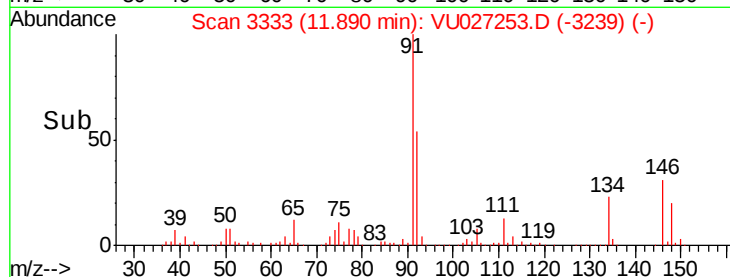
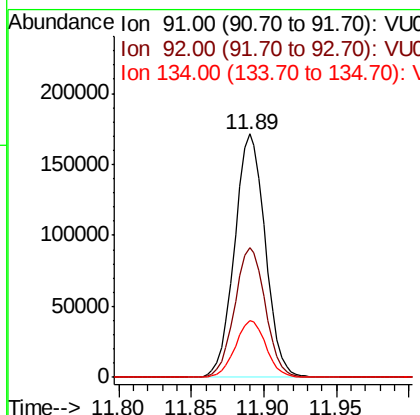
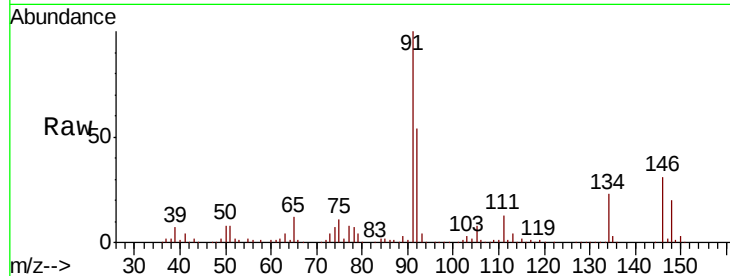
#89
n-Butylbenzene
Concen: 50.104 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.1	81.2
134	23.3	11.7	35.0

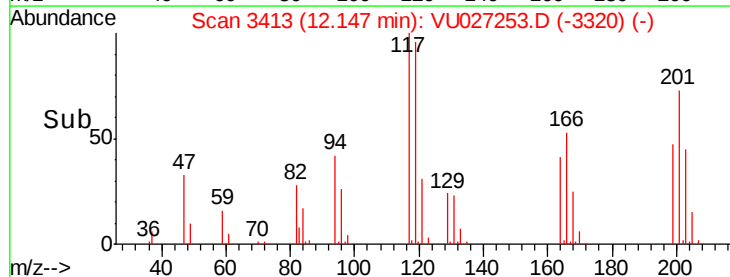
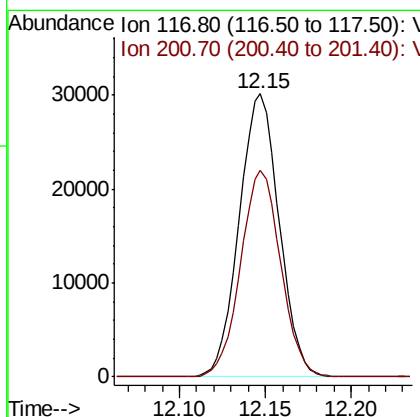
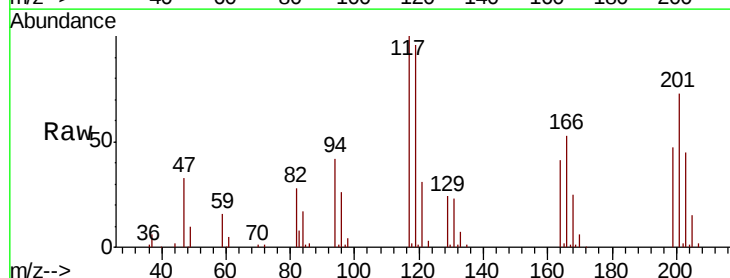
Manual Integrations
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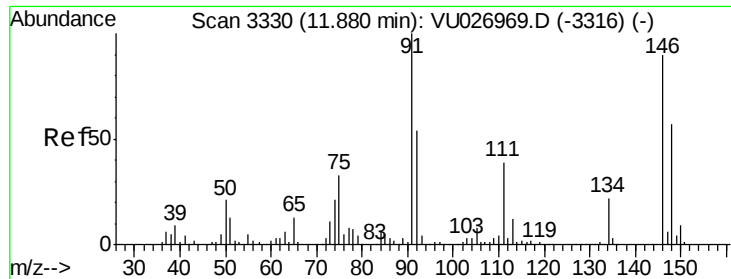
MMDadoda
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#90
Hexachloroethane
Concen: 48.620 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.2	36.8	110.3





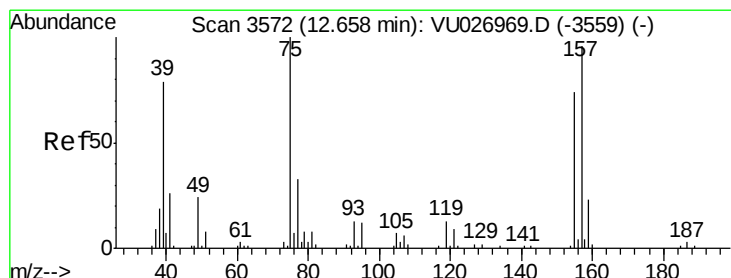
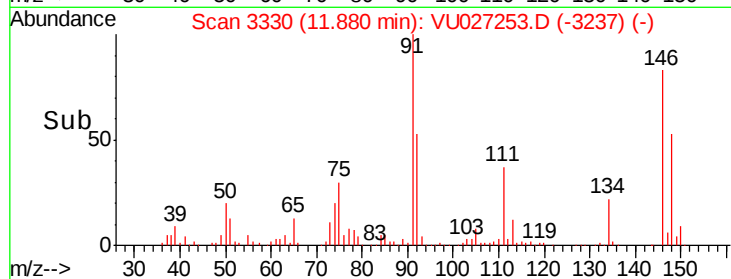
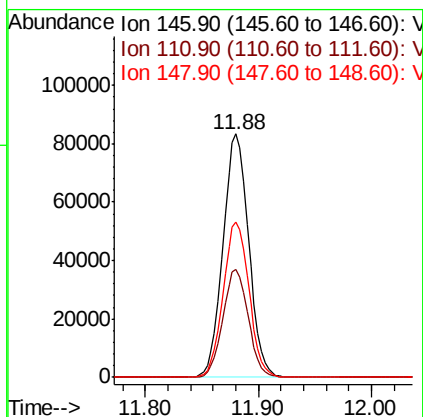
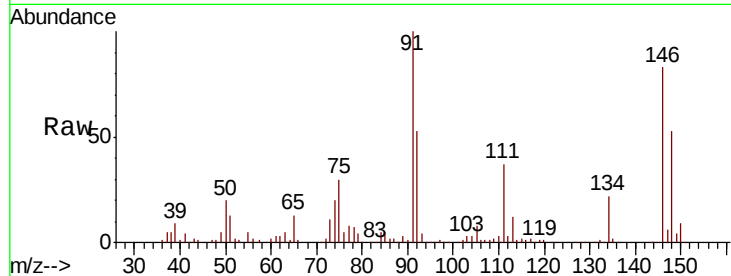
#91
 1,2-Dichlorobenzene
 Concen: 49.438 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.3
148	64.0	31.9	95.7

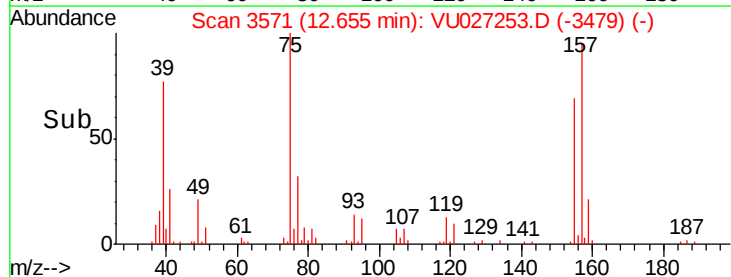
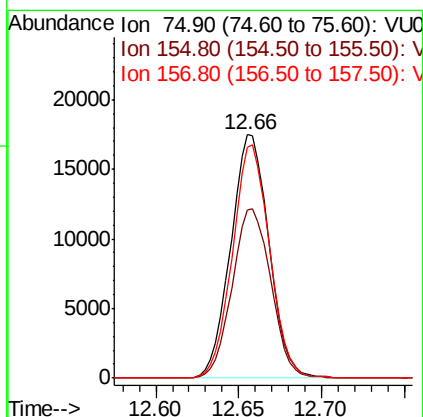
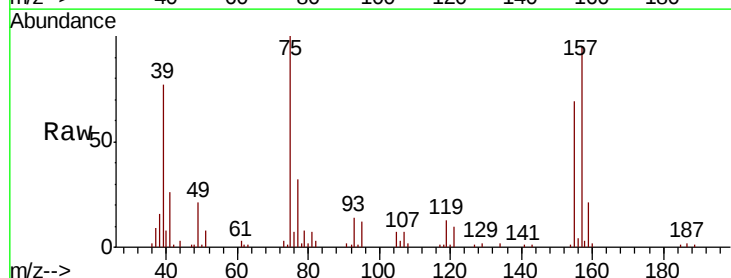
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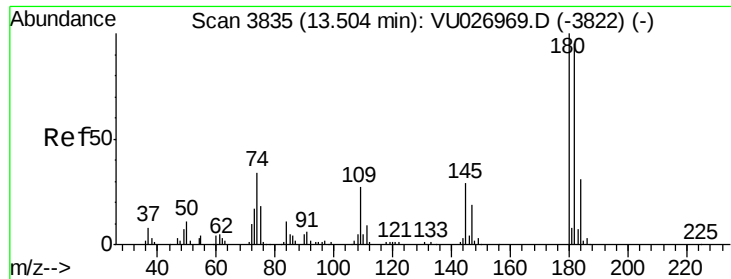
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.017 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.5	36.6	109.8
157	93.0	47.4	142.2





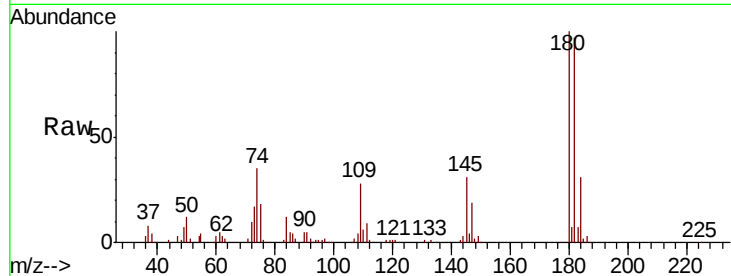
#93
 1,2,4-Trichlorobenzene
 Concen: 55.150 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

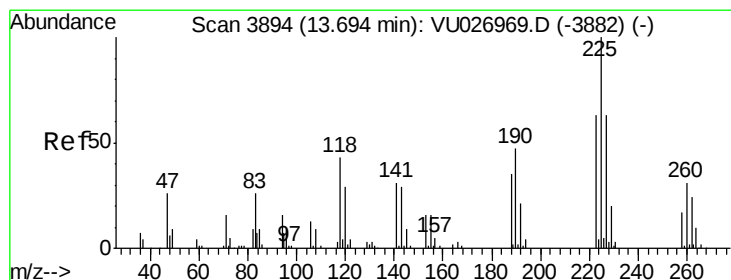
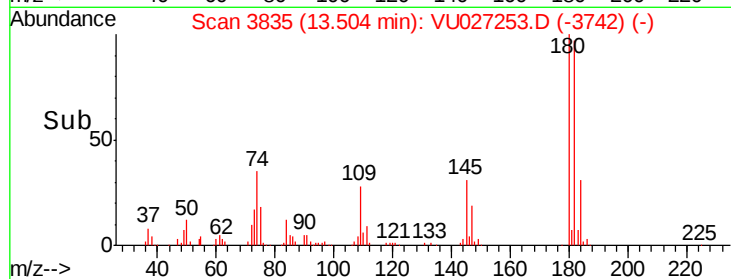
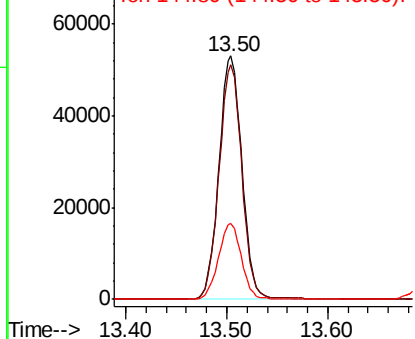
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.2
145	30.9	14.9	44.5

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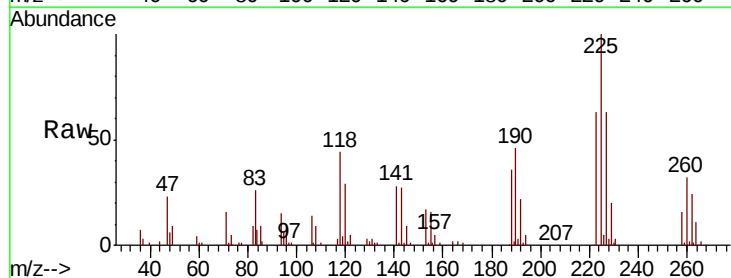


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

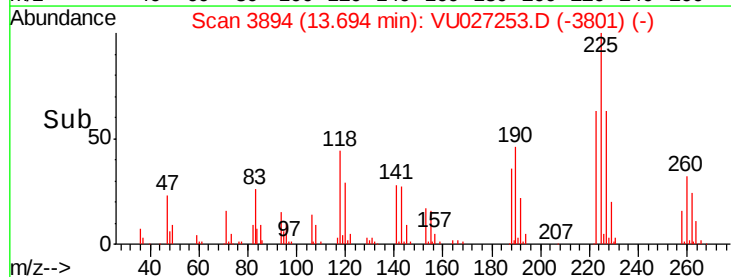
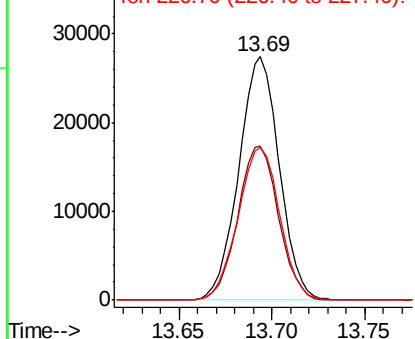


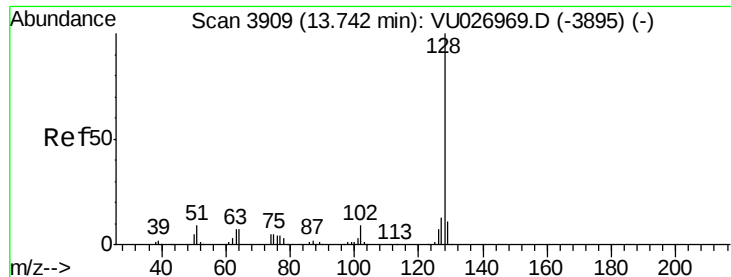
#94
 Hexachlorobutadiene
 Concen: 51.257 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027253.D
 Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.7
227	64.4	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





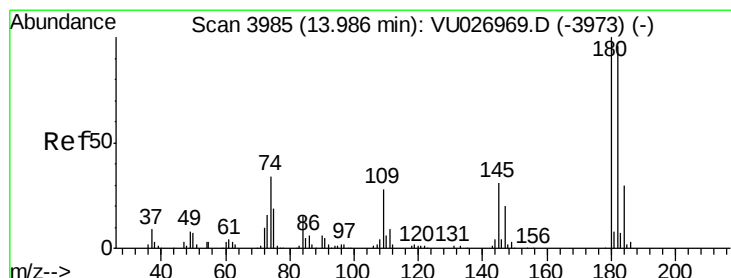
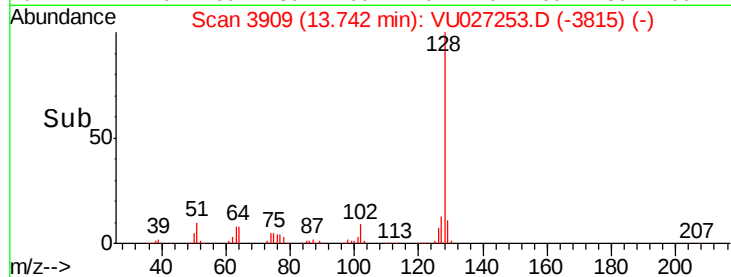
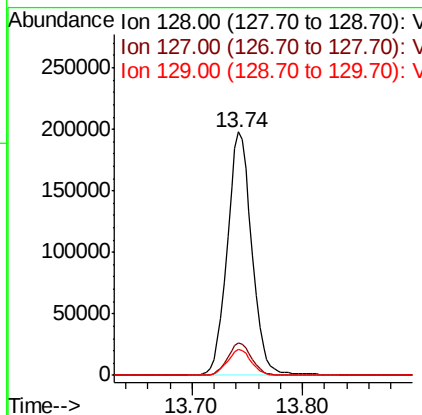
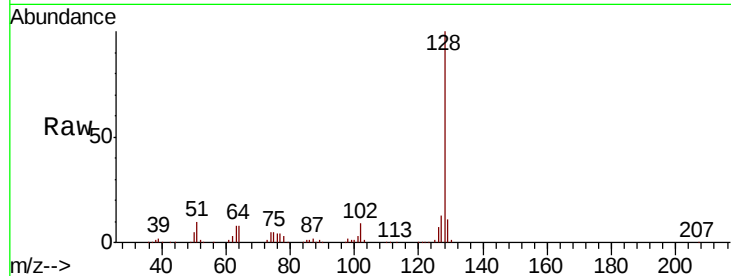
#95
Naphthalene
Concen: 50.796 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.6	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 54.462 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027253.D
Acq: 28 Sep 2018 02:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.5
145	31.8	15.4	46.4

