

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027938.D
 Acq On : 02 Nov 2018 19:56
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 11:29:25 AM

Quant Time: Nov 03 06:05:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	183149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	313271	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	294889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	146322	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	134483	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.78%		
35) Dibromofluoromethane	4.88	113	101492	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.76%		
50) Toluene-d8	7.57	98	388623	50.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.86%		
62) 4-Bromofluorobenzene	10.31	95	144767	51.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.88%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	114763	49.313	ug/l	98
3) Chloromethane	1.33	50	138392	49.170	ug/l	99
4) Vinyl Chloride	1.40	62	133970	47.958	ug/l	99
5) Bromomethane	1.61	94	54519	47.771	ug/l	97
6) Chloroethane	1.69	64	77947	48.420	ug/l	97
7) Trichlorofluoromethane	1.88	101	155682	48.228	ug/l	98
8) Diethyl Ether	2.11	74	65662	47.506	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	92916	48.454	ug/l	100
10) Methyl Iodide	2.41	142	80239	46.250	ug/l	97
11) Tert butyl alcohol	2.84	59	178192	247.193	ug/l	99
12) 1,1-Dichloroethene	2.28	96	91198	47.512	ug/l	98
13) Acrolein	2.20	56	54528	204.401	ug/l	98
14) Allyl chloride	2.59	41	219951	46.884	ug/l	98
15) Acrylonitrile	2.94	53	447730	252.850	ug/l	99
16) Acetone	2.32	43	388147	229.750	ug/l	99
17) Carbon Disulfide	2.48	76	289439	46.133	ug/l	99
18) Methyl Acetate	2.62	43	222100	47.790	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	379943	49.083	ug/l	99
20) Methylene Chloride	2.70	84	118052	47.859	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	102641	46.335	ug/l	98
22) Diisopropyl ether	3.58	45	473871	48.926	ug/l	99
23) Vinyl Acetate	3.53	43	2080238	249.911	ug/l	100
24) 1,1-Dichloroethane	3.45	63	226811	47.014	ug/l	100
25) 2-Butanone	4.27	43	668249	248.630	ug/l	100
26) 2,2-Dichloropropane	4.23	77	162319	44.835	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	121539	48.927	ug/l	99
28) Bromochloromethane	4.55	49	112565	49.771	ug/l	98
29) Tetrahydrofuran	4.64	42	442699	246.670	ug/l	99
30) Chloroform	4.67	83	208036	47.031	ug/l	99
31) Cyclohexane	5.00	56	222222	46.833	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	173419	49.251	ug/l	100
36) 1,1-Dichloropropene	5.14	75	160447	48.902	ug/l	98
37) Ethyl Acetate	4.39	43	237230	49.347	ug/l	99
38) Carbon Tetrachloride	5.14	117	141941	48.816	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	189410	47.864	ug/l	99
40) Benzene	5.39	78	488906	48.738	ug/l	98
41) Methacrylonitrile	4.55	41	132950	51.821	ug/l	98
42) 1,2-Dichloroethane	5.41	62	174465	48.929	ug/l	99
43) Isopropyl Acetate	5.55	43	375885	49.907	ug/l	100
44) Trichloroethene	6.19	130	106378	49.335	ug/l	99
45) 1,2-Dichloropropane	6.43	63	142835	49.373	ug/l	100
46) Dibromomethane	6.56	93	82635	49.694	ug/l	98
47) Bromodichloromethane	6.76	83	162203	50.616	ug/l	99
48) Methyl methacrylate	6.62	41	192954	52.279	ug/l	98
49) 1,4-Dioxane	6.61	88	64583	1072.507	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1257886	250.079	ug/l	99
52) Toluene	7.64	92	291404	49.413	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	189450	47.724	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	205240	51.953	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	120373	50.170	ug/l	96
56) Ethyl methacrylate	8.02	69	214918	50.795	ug/l	98
57) 1,3-Dichloropropane	8.24	76	217059	49.664	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	589591	260.180	ug/l	100
59) 2-Hexanone	8.36	43	995728	255.950	ug/l	99
60) Dibromochloromethane	8.48	129	118262	52.089	ug/l	98
61) 1,2-Dibromoethane	8.59	107	127347	49.951	ug/l	99
64) Tetrachloroethene	8.23	164	92008	48.118	ug/l	98
65) Chlorobenzene	9.12	112	303351	48.690	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	105420	49.539	ug/l	99
67) Ethyl Benzene	9.25	91	566673	49.414	ug/l	99
68) m/p-Xylenes	9.38	106	408916	98.274	ug/l	98
69) o-Xylene	9.78	106	204034	48.560	ug/l	99
70) Styrene	9.79	104	340217	50.676	ug/l	99
71) Bromoform	9.96	173	89913	50.415	ug/l #	99
73) Isopropylbenzene	10.17	105	547639	48.312	ug/l	99
74) N-amyl acetate	10.01	43	346337	50.528	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	221585	48.462	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	187008m	46.725	ug/l	
77) Bromobenzene	10.45	156	127878	49.198	ug/l	99
78) n-propylbenzene	10.59	91	667420	49.189	ug/l	100
79) 2-Chlorotoluene	10.66	91	395472	48.626	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	458586	48.837	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	60788m	37.985	ug/l	
82) 4-Chlorotoluene	10.77	91	448834	48.611	ug/l	99
83) tert-Butylbenzene	11.10	119	444836	47.386	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	475717	50.311	ug/l	99
85) sec-Butylbenzene	11.32	105	562369	49.259	ug/l	99
86) p-Isopropyltoluene	11.48	119	479912	50.284	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	232558	48.435	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	232988	47.342	ug/l	98
89) n-Butylbenzene	11.89	91	460801	50.803	ug/l	99
90) Hexachloroethane	12.15	117	83264	49.002	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	240489	49.805	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49677	51.561	ug/l	98

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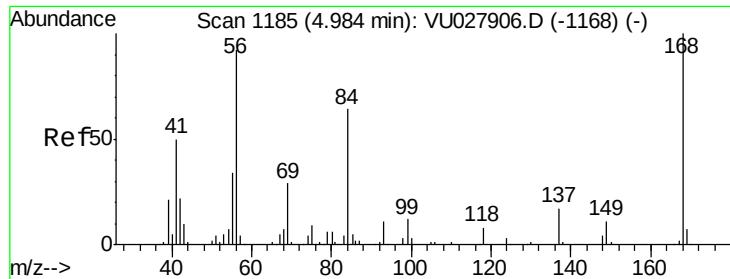
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	163038	48.171	ug/l	98
94) Hexachlorobutadiene	13.69	225	76204	49.657	ug/l	98
95) Naphthalene	13.74	128	595168	49.586	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	168991	52.156	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 183149

Ion Ratio Lower Upper

168 100

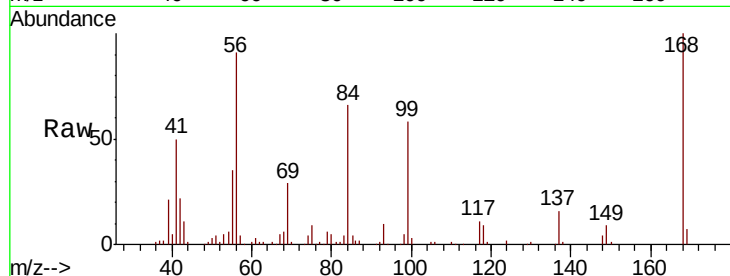
99 57.8 47.9 71.9

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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

80000

60000

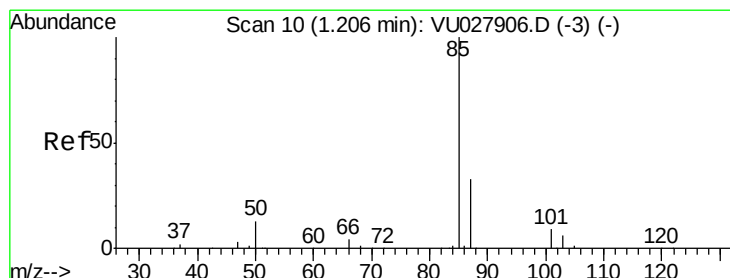
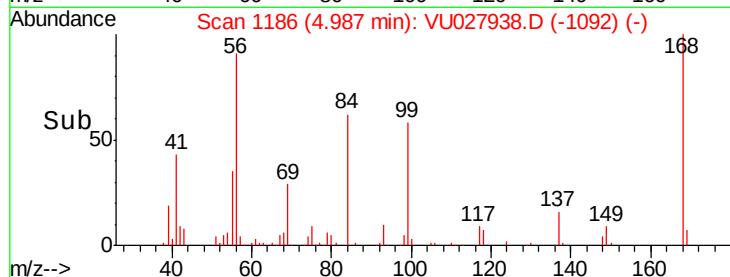
40000

20000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.313 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027938.D

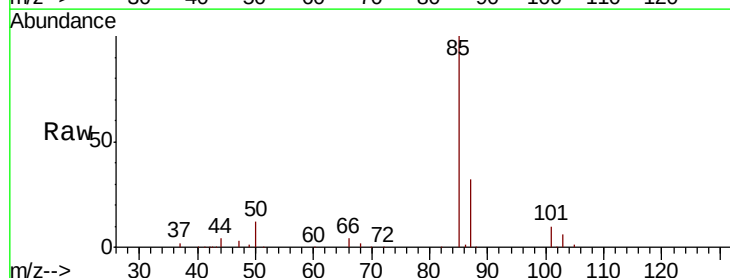
Acq: 02 Nov 2018 19:56

Tgt Ion: 85 Resp: 114763

Ion Ratio Lower Upper

85 100

87 31.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

120000

100000

80000

60000

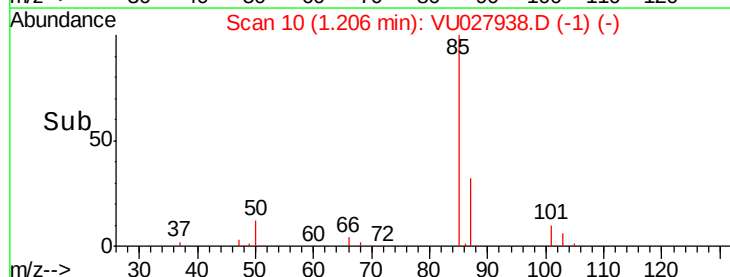
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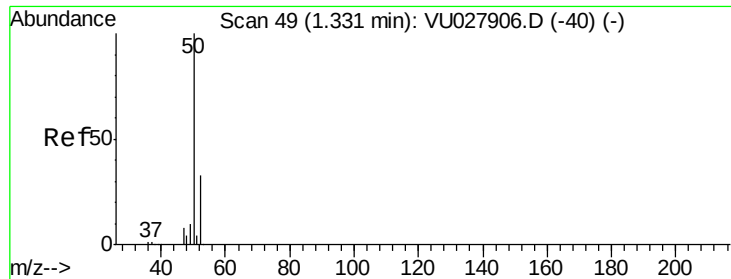
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 49.170 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 138392

Ion Ratio Lower Upper

50 100

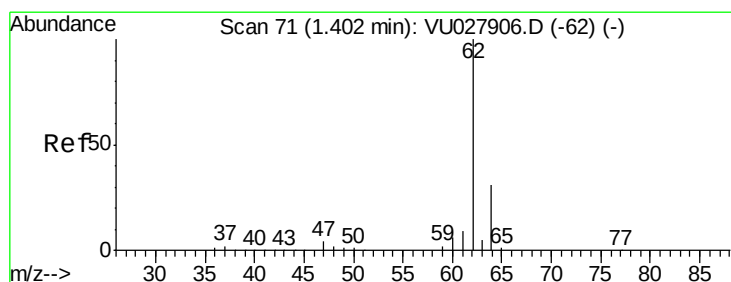
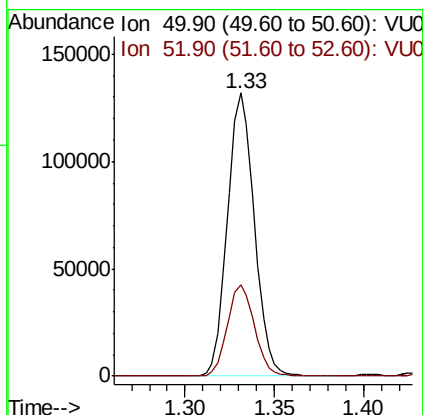
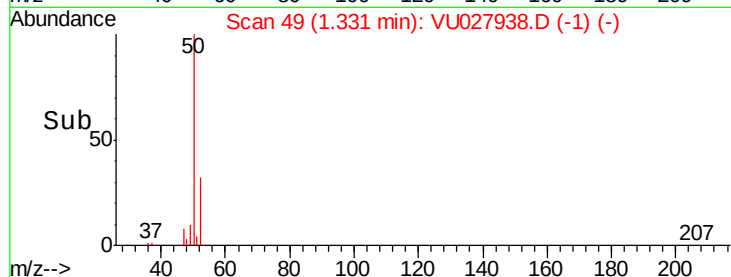
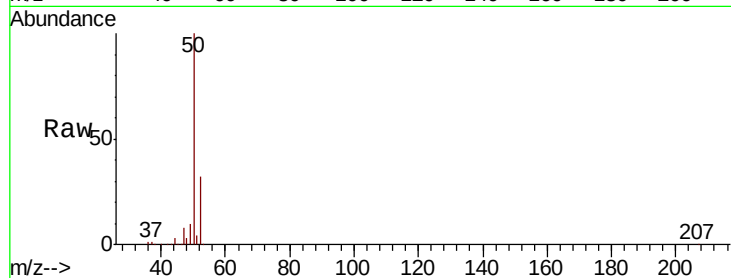
52 32.4 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.958 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027938.D

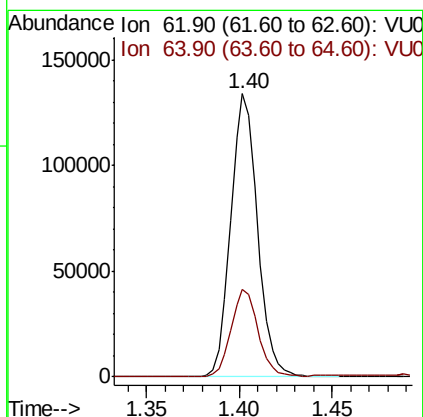
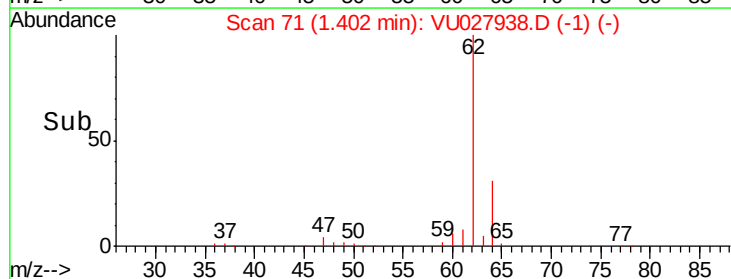
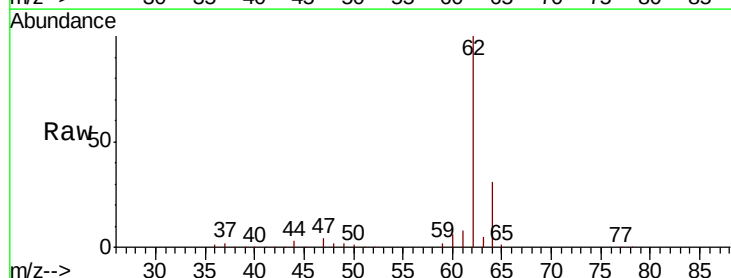
Acq: 02 Nov 2018 19:56

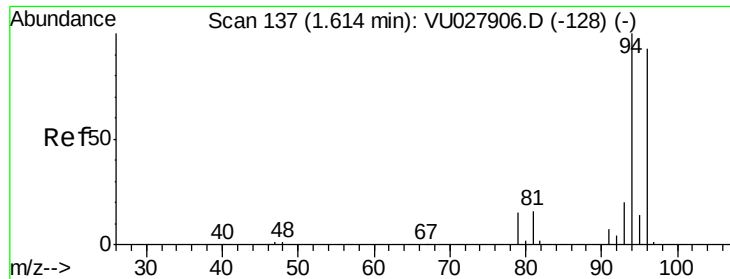
Tgt Ion: 62 Resp: 133970

Ion Ratio Lower Upper

62 100

64 30.8 25.2 37.8





#5

Bromomethane

Concen: 47.771 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

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ClientSampleId :

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Tot Ion: 94 Resp: 54519

Ion Ratio Lower Upper

94 100

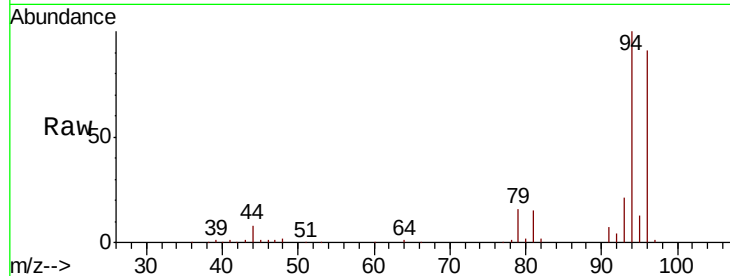
96 90.7 74.8 112.2

Manual Integrations

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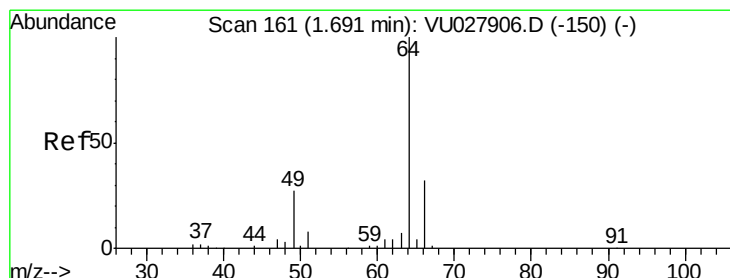
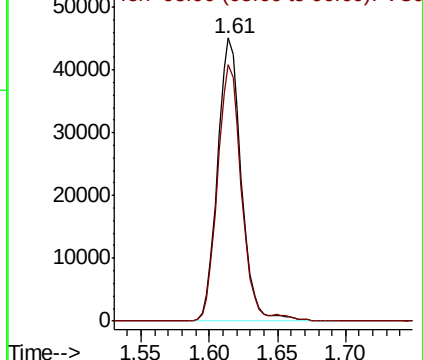
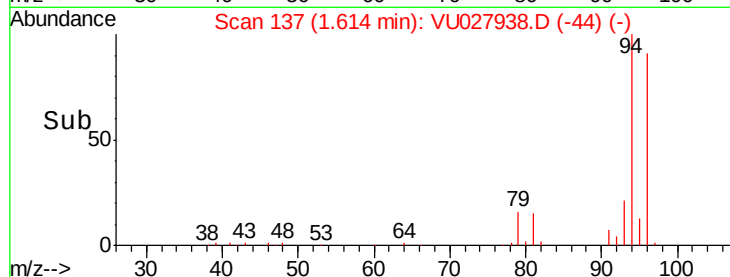
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Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027938.D (-44) (-)



#6

Chloroethane

Concen: 48.420 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027938.D

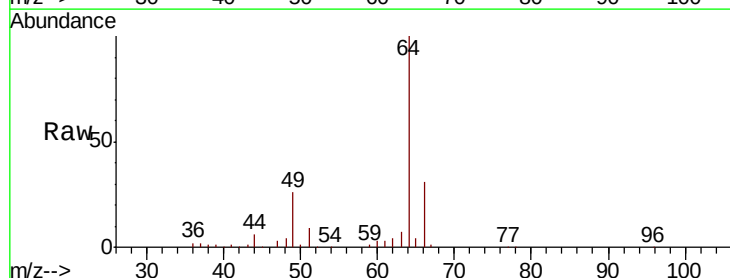
Acq: 02 Nov 2018 19:56

Tgt Ion: 64 Resp: 77947

Ion Ratio Lower Upper

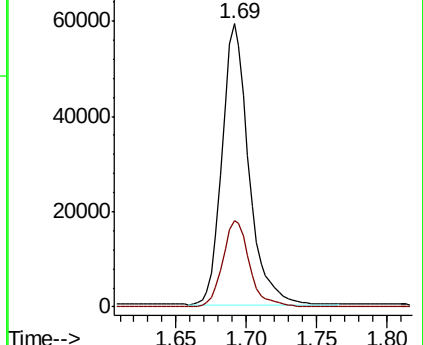
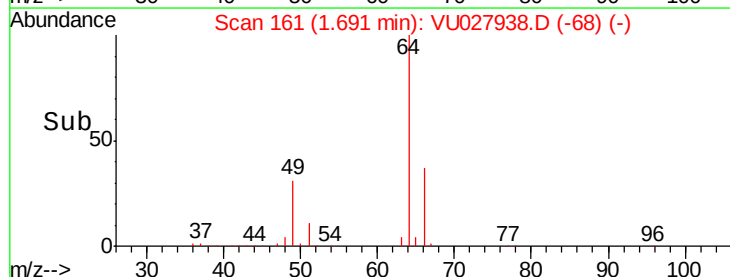
64 100

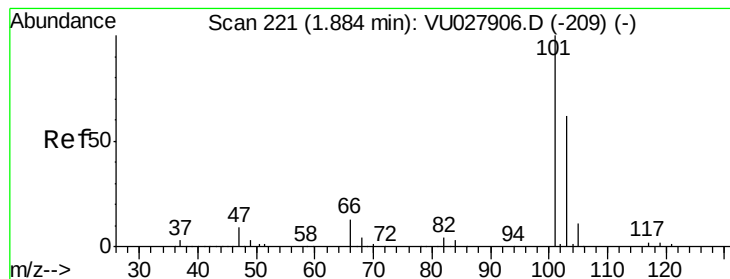
66 30.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU027938.D (-68) (-)





#7

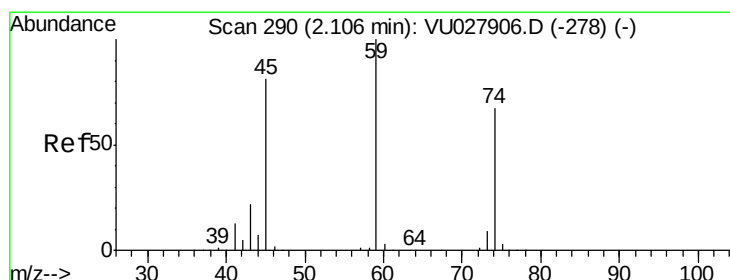
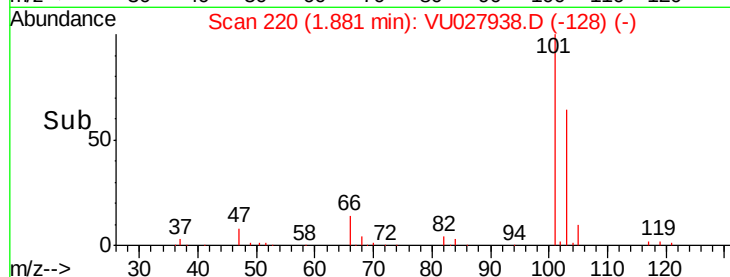
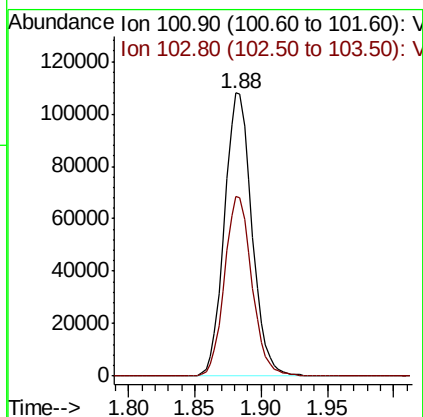
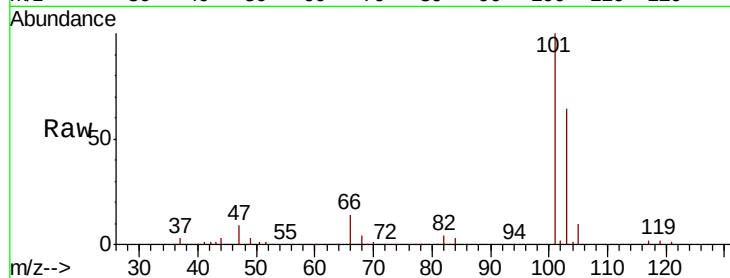
Trichlorofluoromethane
Concen: 48.228 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 155682
Ion Ratio Lower Upper
101 100
103 63.6 49.4 74.2

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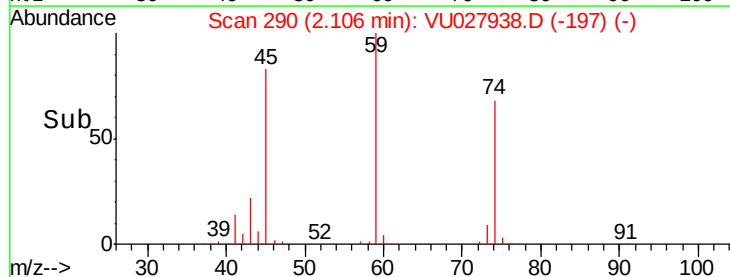
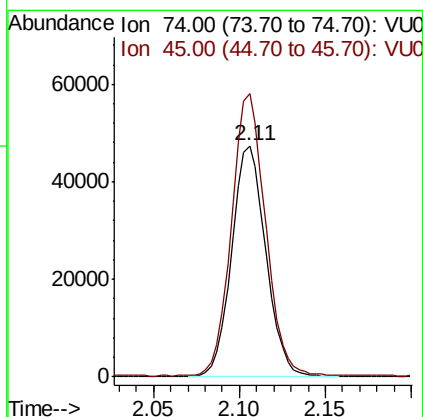
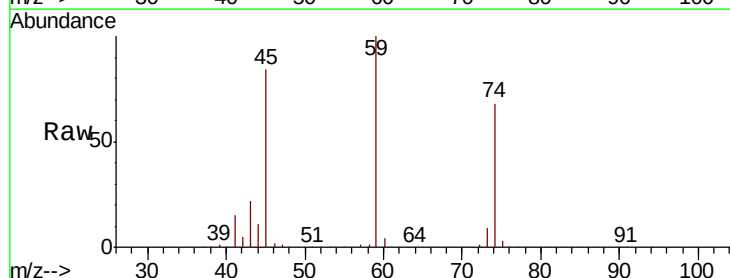
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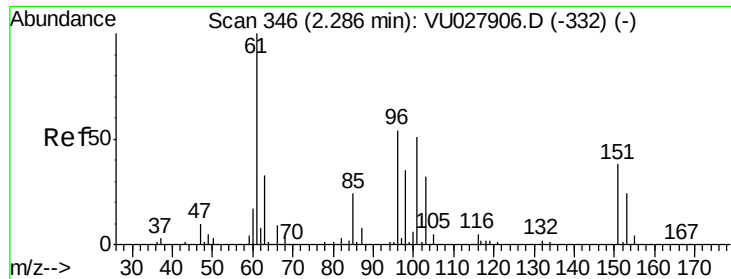


#8

Diethyl Ether
Concen: 47.506 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion: 74 Resp: 65662
Ion Ratio Lower Upper
74 100
45 121.4 60.5 181.5





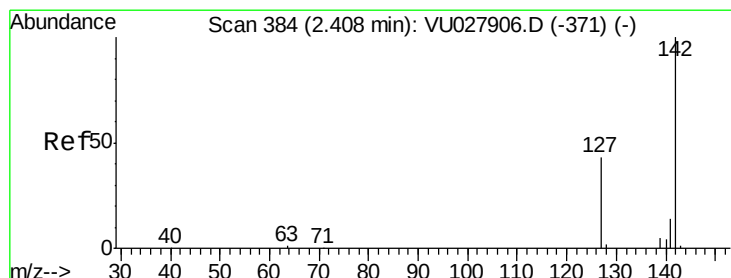
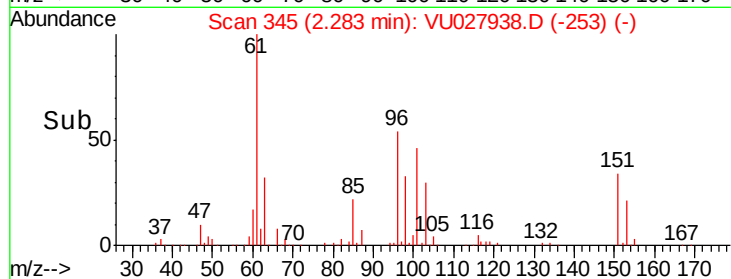
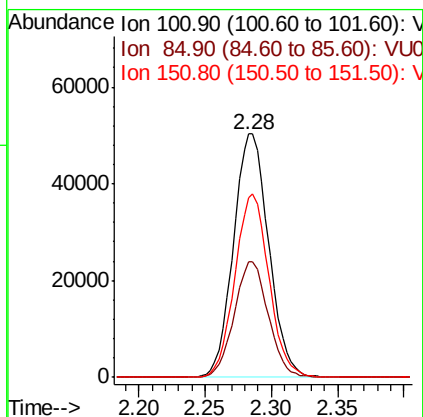
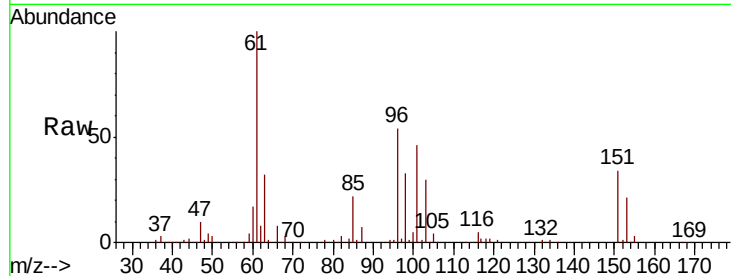
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.454 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

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 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.9	55.3
151	72.8	58.0	87.0

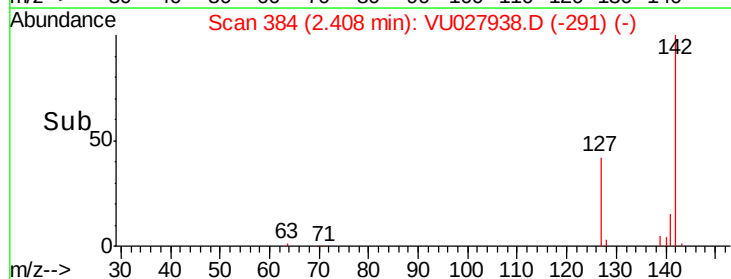
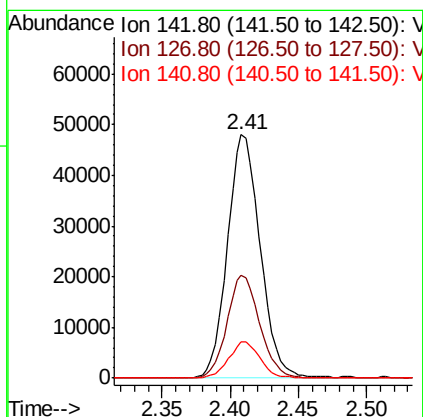
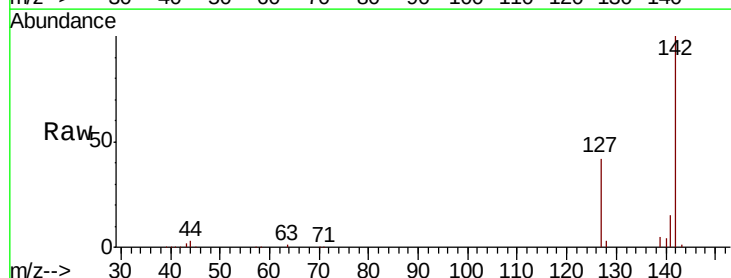
Manual Integrations
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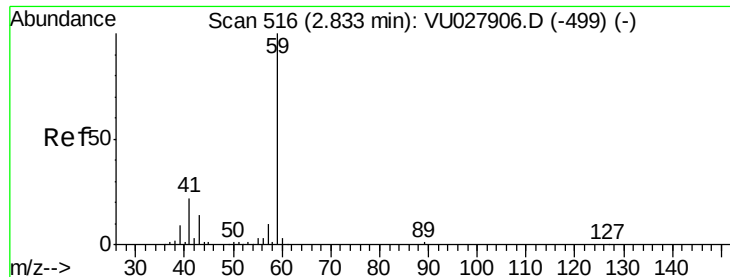
MMDadoda
 11/5/2018 11:29:25 AM



#10
 Methyl Iodide
 Concen: 46.250 ug/l
 RT: 2.41 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.1	35.2	52.8
141	14.2	11.8	17.8





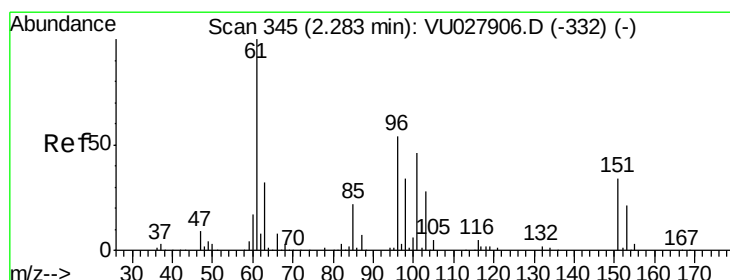
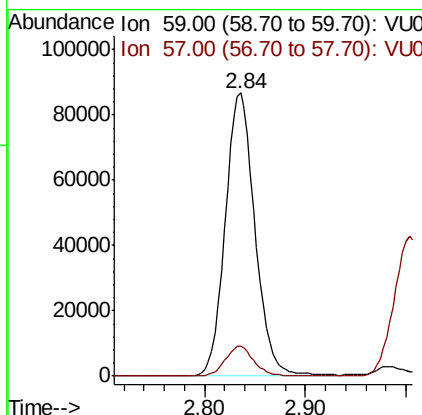
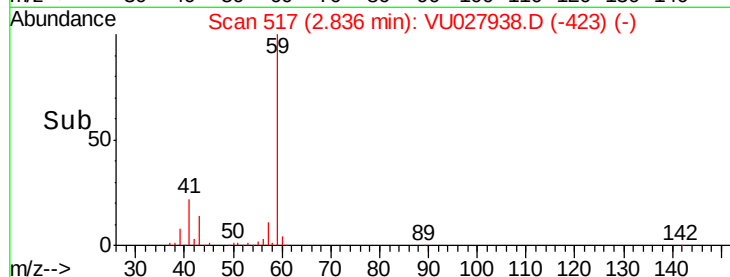
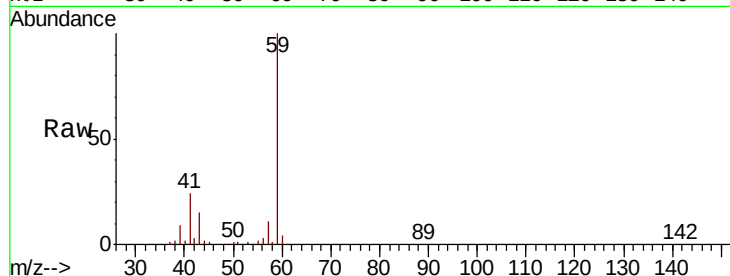
#11
Tert butyl alcohol
Concen: 247.193 ug/l
RT: 2.84 min Scan# 517
Delta R.T. 0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8

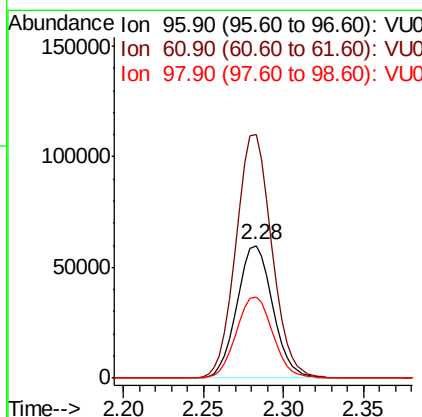
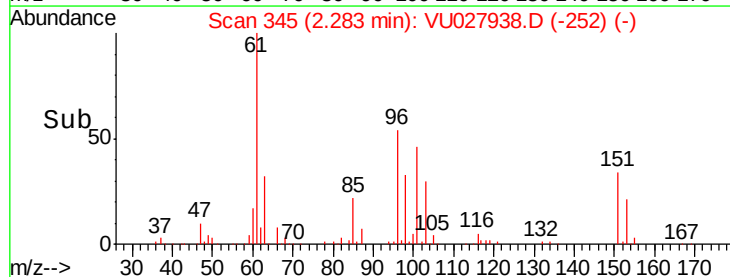
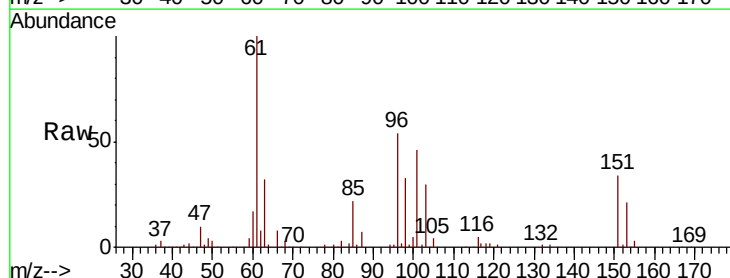
Manual Integrations
APPROVED

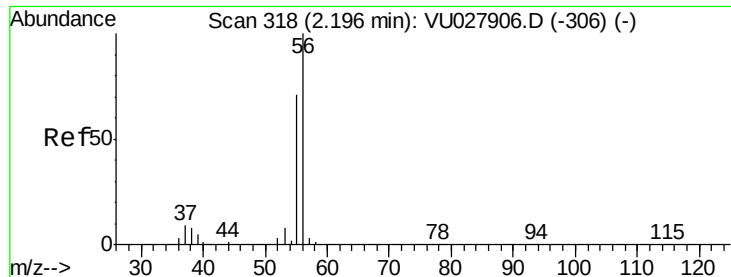
MMDadoda
11/5/2018 11:29:25 AM



#12
1,1-Dichloroethene
Concen: 47.512 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.0	149.3	223.9
98	61.3	50.6	75.8





#13

Acrolein

Concen: 204.401 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 54528

Ion Ratio Lower Upper

56 100

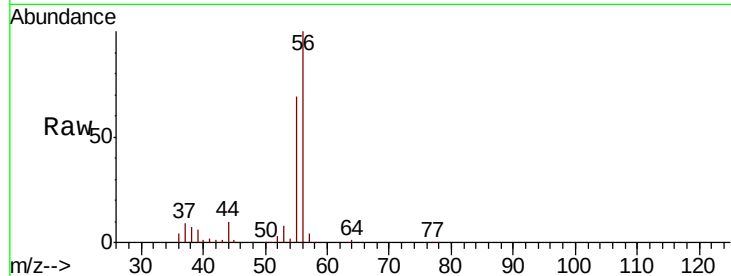
55 69.0 56.2 84.4

Manual Integrations

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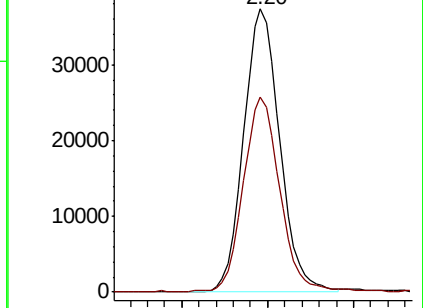
MMDadoda

11/5/2018 11:29:25 AM

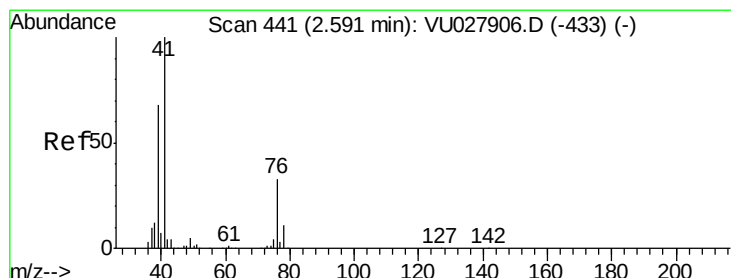
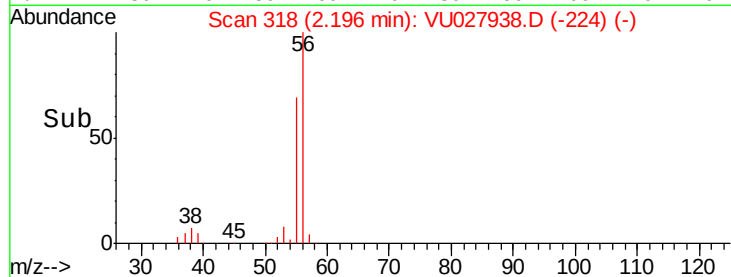


Abundance Ion 56.00 (55.70 to 56.70): VU027938.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU027938.D (-224) (-)



Time-->



#14

Allyl chloride

Concen: 46.884 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

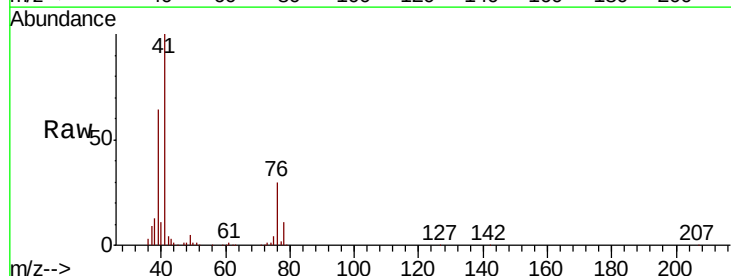
Tgt Ion: 41 Resp: 219951

Ion Ratio Lower Upper

41 100

39 63.4 51.9 77.9

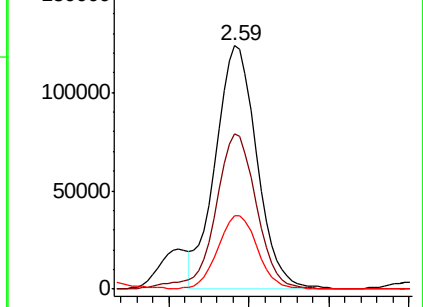
76 29.1 23.8 35.6



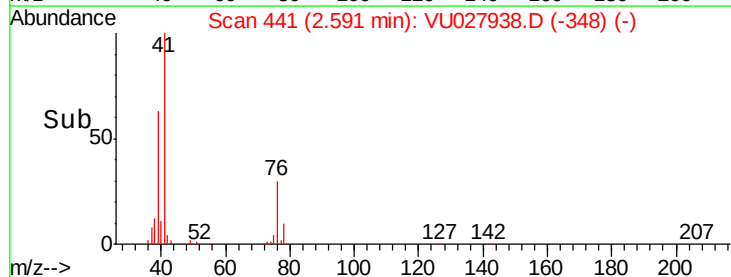
Abundance Ion 41.00 (40.70 to 41.70): VU027938.D (-348) (-)

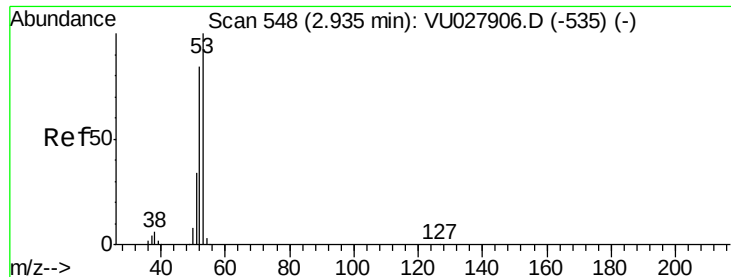
Ion 39.00 (38.70 to 39.70): VU027938.D (-348) (-)

Ion 75.90 (75.60 to 76.60): VU027938.D (-348) (-)



Time-->





#15

Acrylonitrile

Concen: 252.850 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

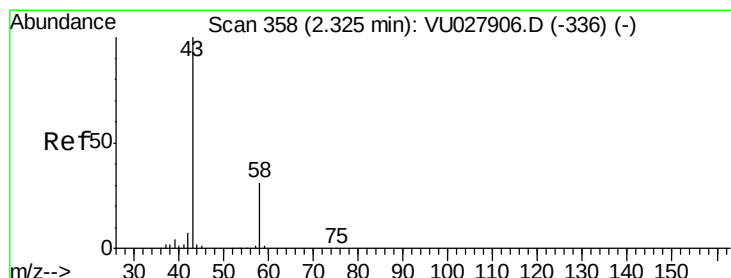
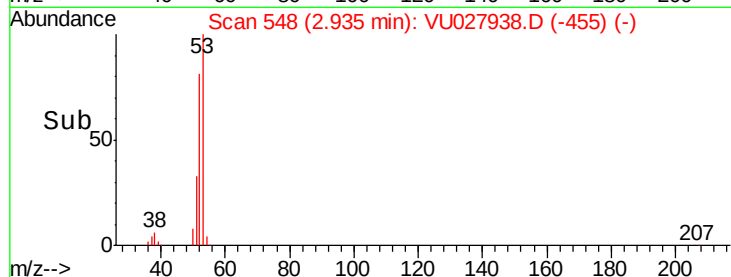
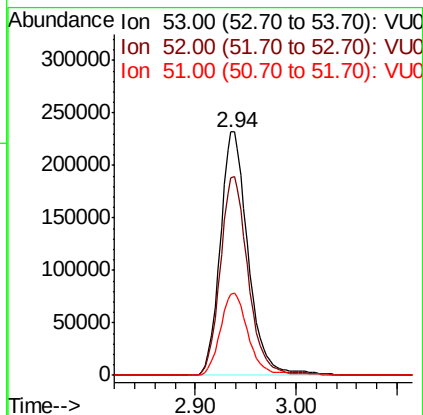
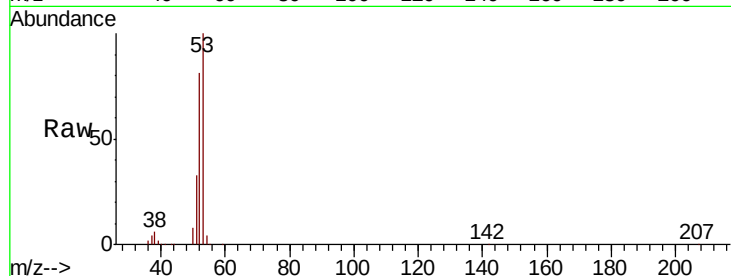
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	447730
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.2	99.2
51	34.4	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 229.750 ug/l

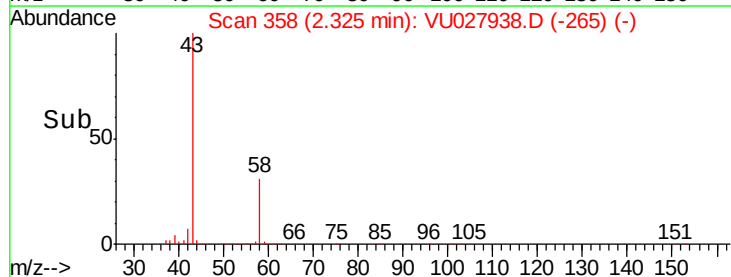
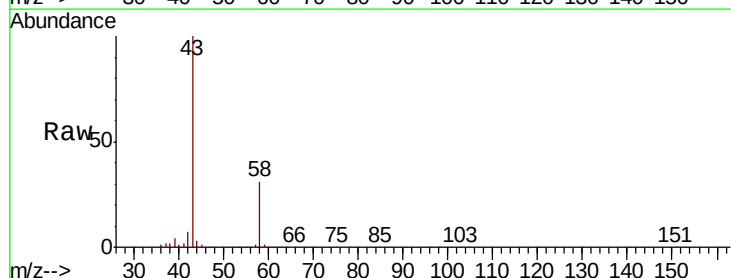
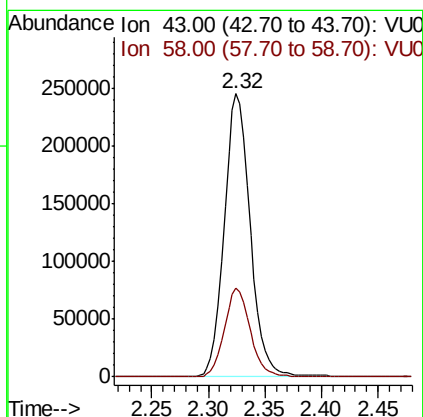
RT: 2.32 min Scan# 358

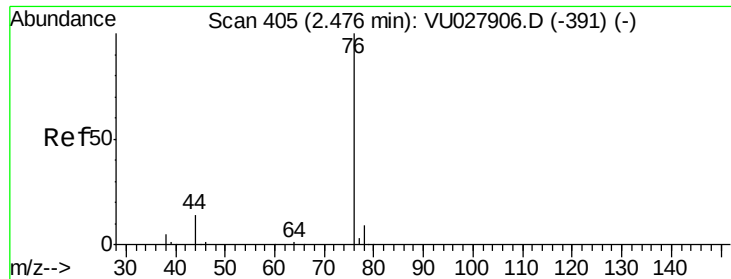
Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Tgt Ion:	43	Resp:	388147
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.6	37.0





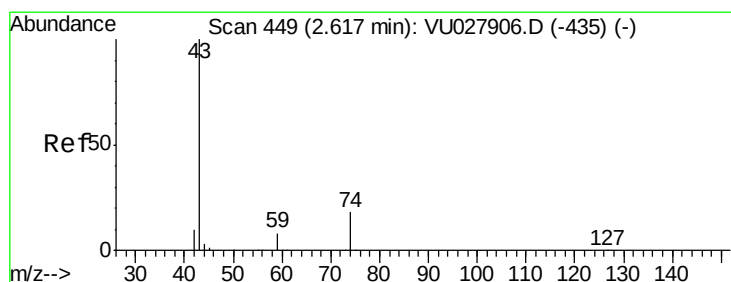
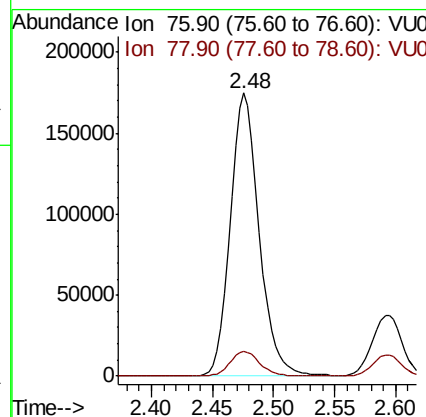
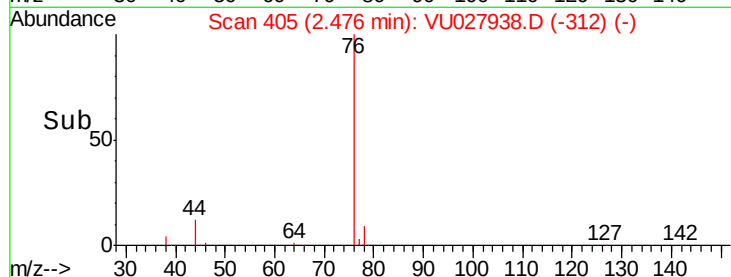
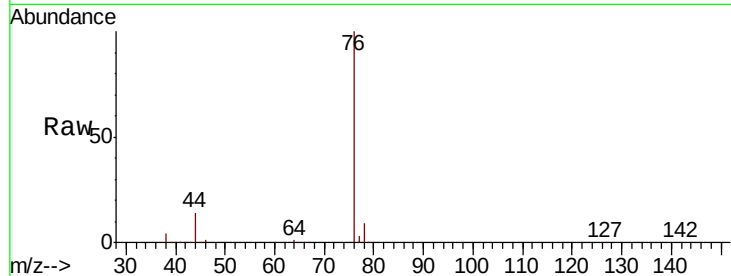
#17
Carbon Disulfide
Concen: 46.133 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

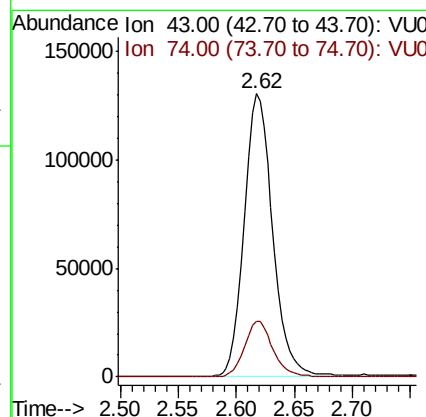
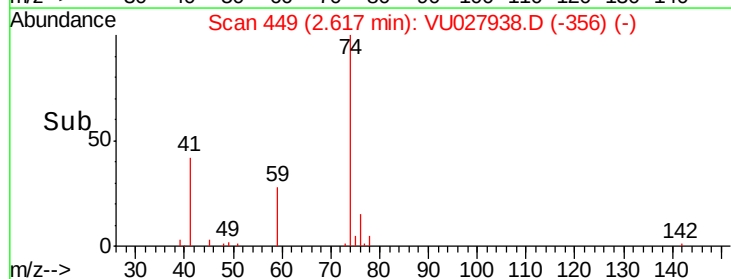
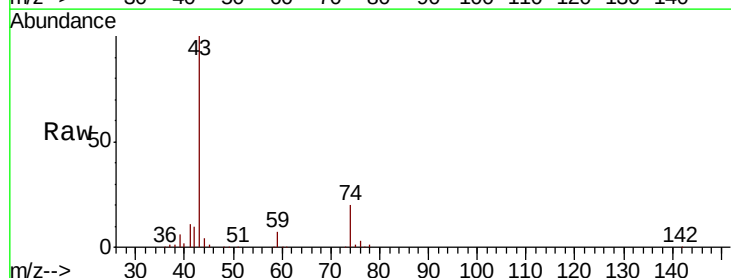
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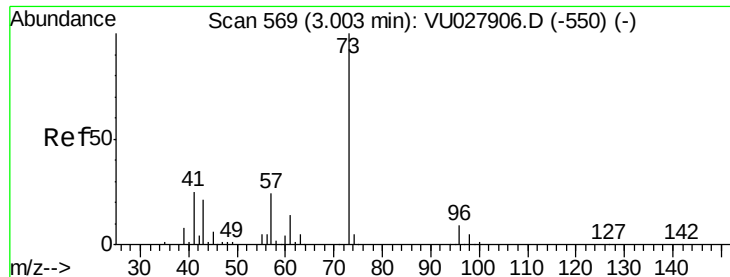
MMDadoda
11/5/2018 11:29:25 AM



#18
Methyl Acetate
Concen: 47.790 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	14.9	22.3





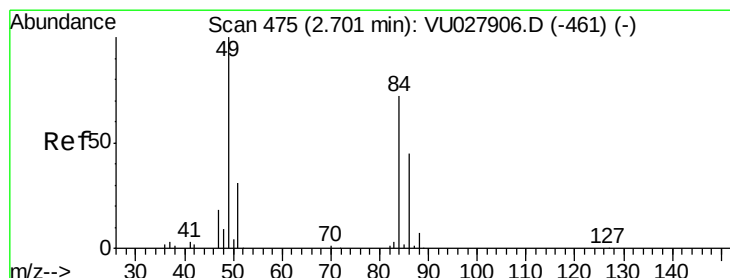
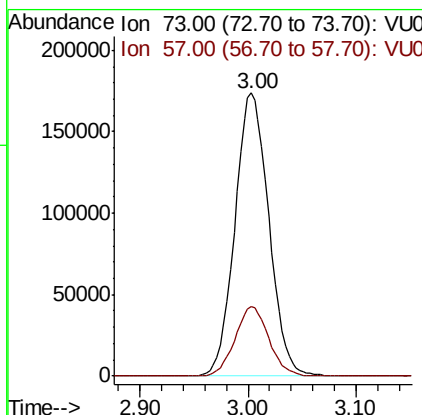
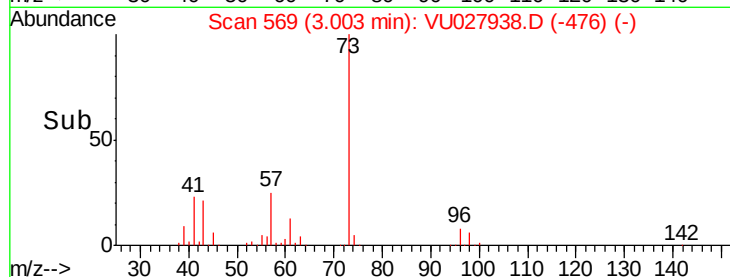
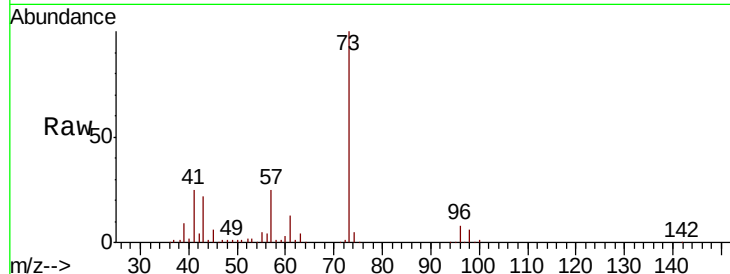
#19
Methyl tert-butyl Ether
Concen: 49.083 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.6	19.3	28.9

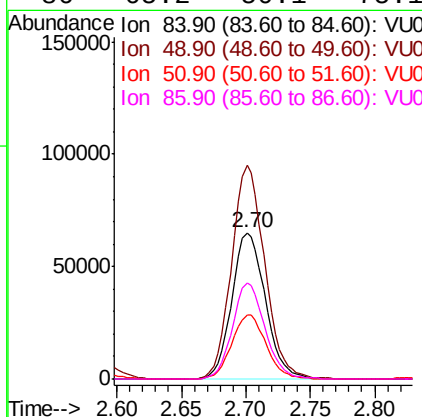
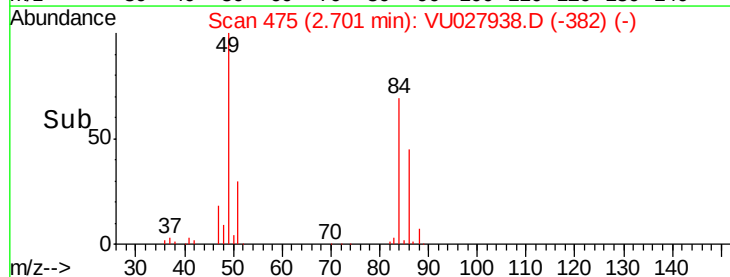
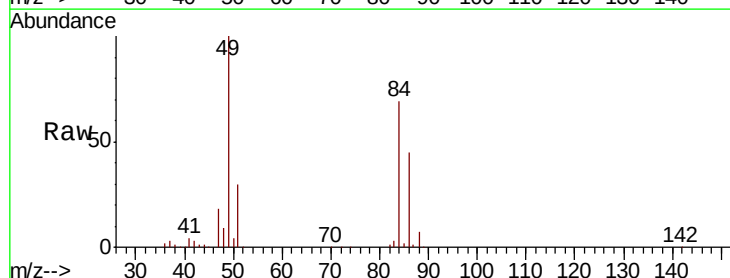
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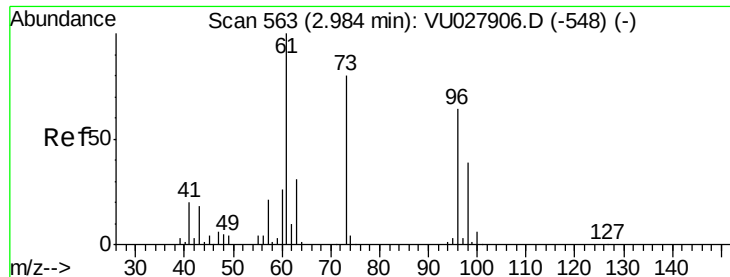
MMDadoda
11/5/2018 11:29:25 AM



#20
Methylene Chloride
Concen: 47.859 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.7	111.6	167.4
51	43.7	34.8	52.2
86	65.2	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 46.335 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

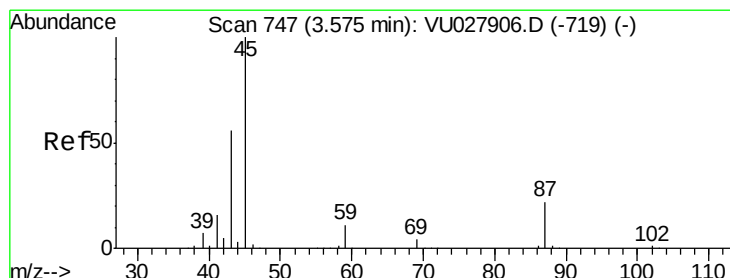
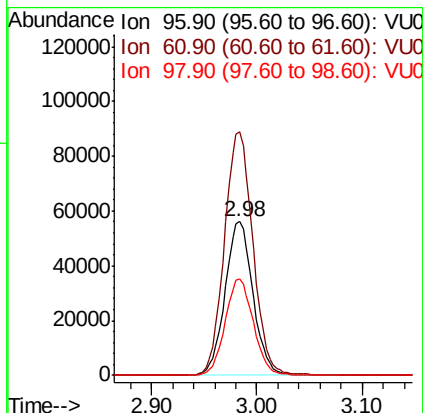
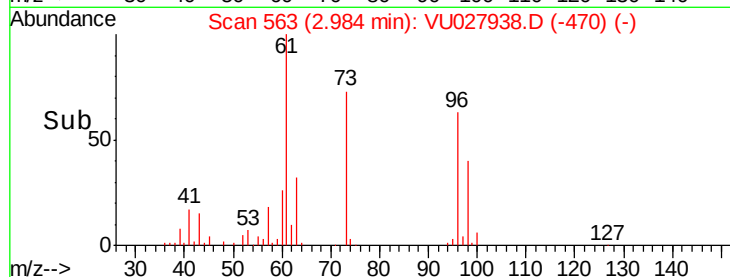
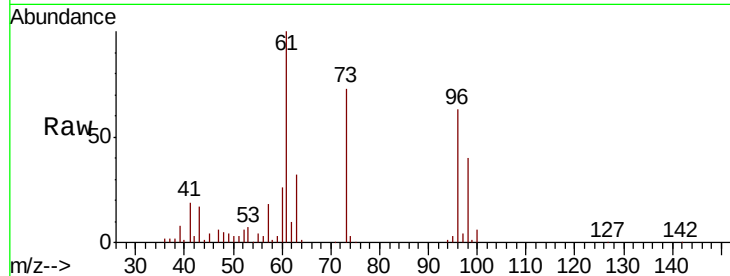
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	102641
Ion	Ratio	Lower	Upper
96	100		
61	158.3	125.0	187.6
98	62.9	48.2	72.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.926 ug/l

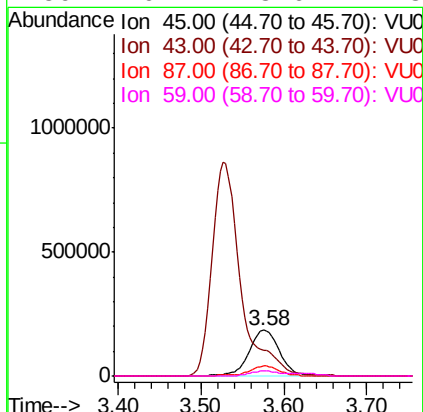
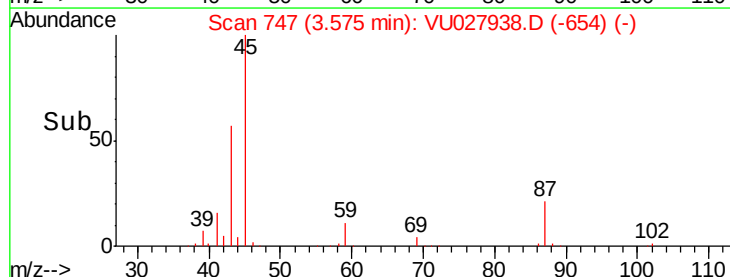
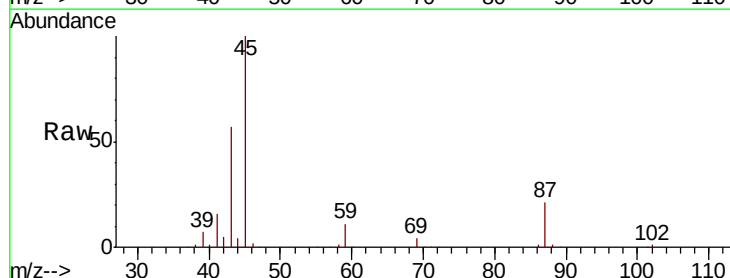
RT: 3.58 min Scan# 747

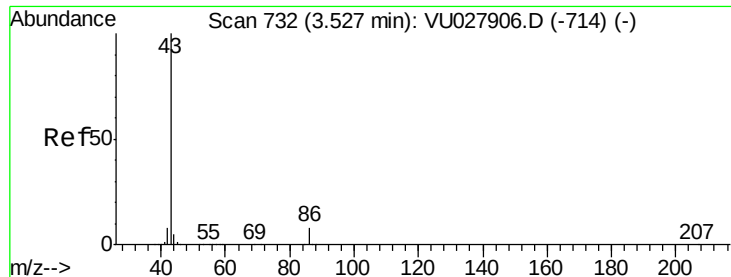
Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Tgt Ion:	45	Resp:	473871
Ion	Ratio	Lower	Upper
45	100		
43	56.6	45.0	67.6
87	21.3	17.9	26.9
59	10.7	8.6	12.8





#23

Vinyl Acetate

Concen: 249.911 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2080238

Ion Ratio Lower Upper

43 100

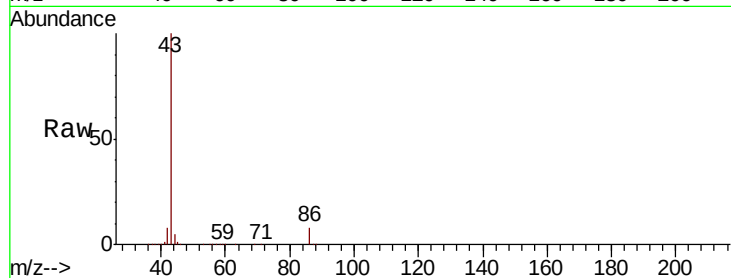
86 8.3 6.6 9.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027938.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027938.D (-639) (-)

1000000

800000

600000

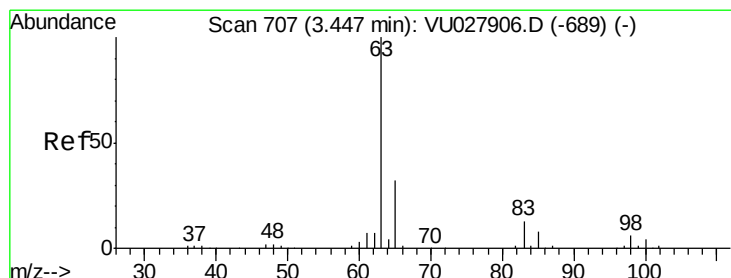
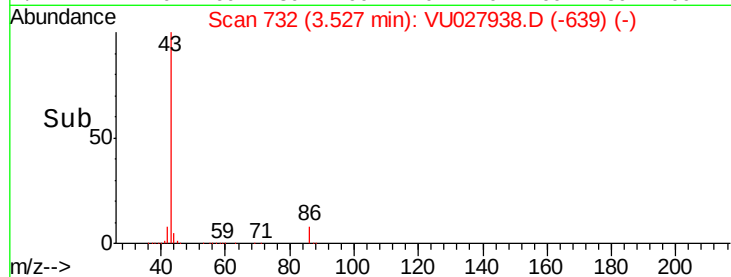
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 47.014 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

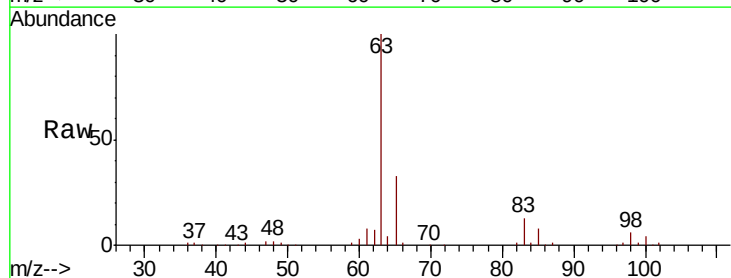
Tgt Ion: 63 Resp: 226811

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027938.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027938.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027938.D (-614) (-)

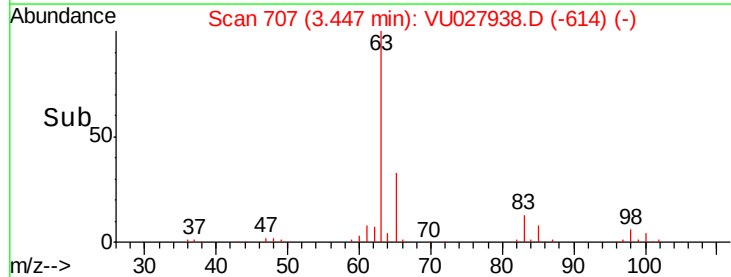
100000

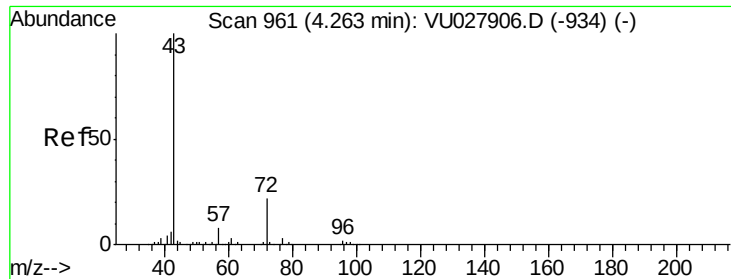
50000

0

3.40 3.50 3.60

Time-->





#25

2-Butanone

Concen: 248.630 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 668249

Ion Ratio Lower Upper

43 100

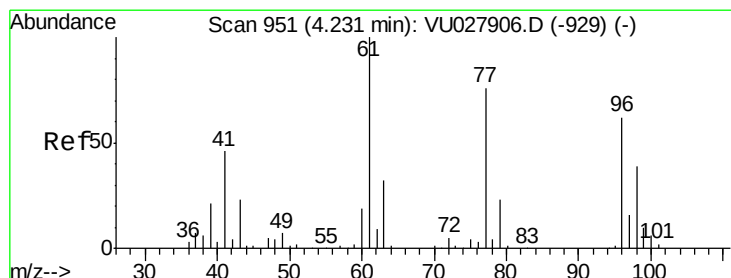
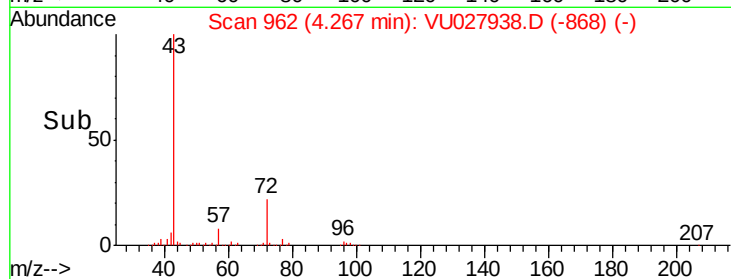
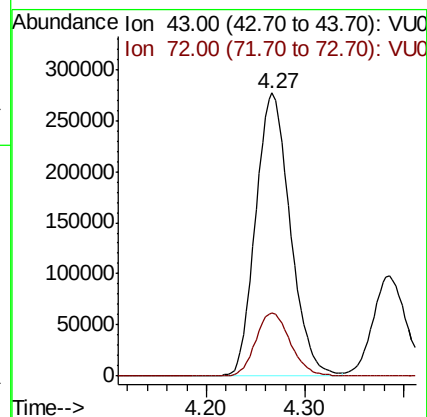
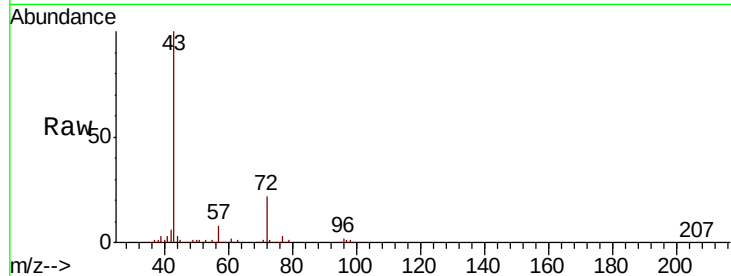
72 22.3 17.7 26.5

Manual Integrations

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11/5/2018 11:29:25 AM



#26

2,2-Dichloropropane

Concen: 44.835 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027938.D

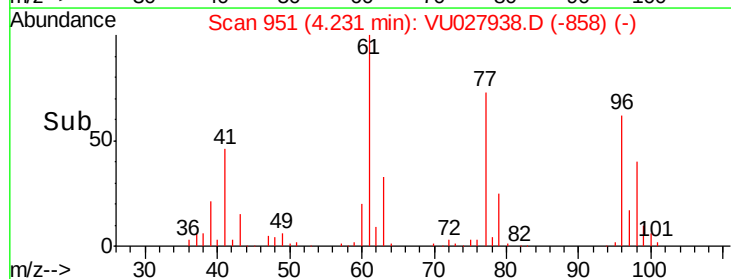
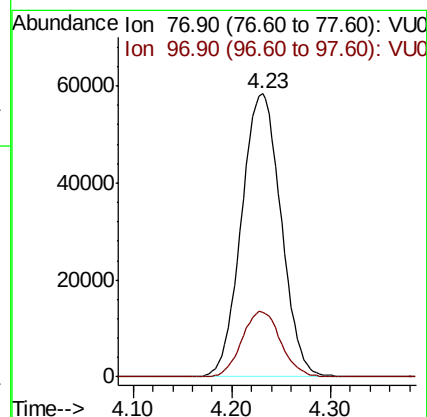
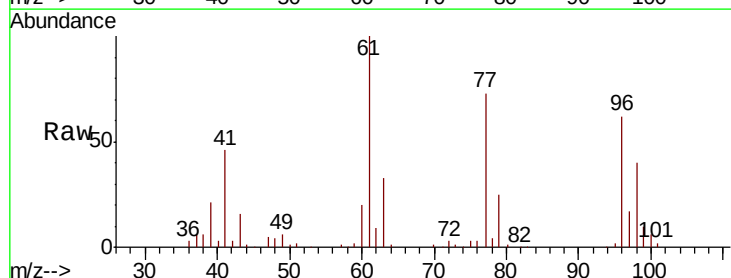
Acq: 02 Nov 2018 19:56

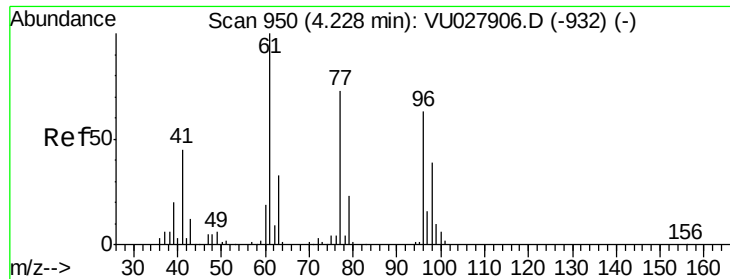
Tgt Ion: 77 Resp: 162319

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.5





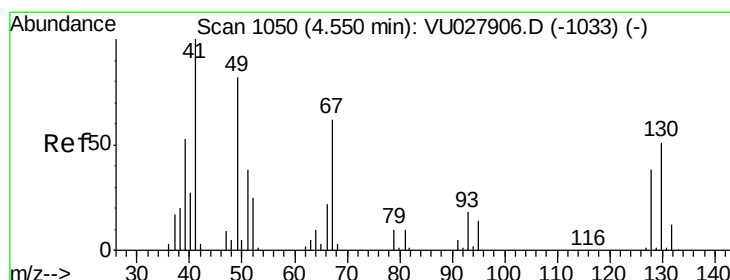
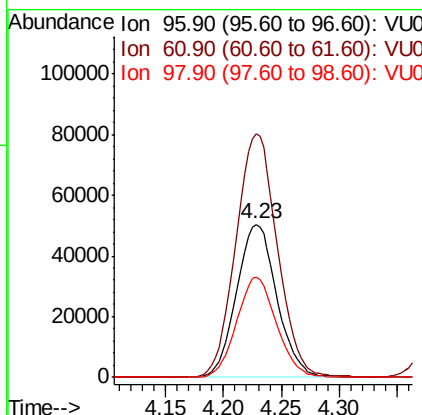
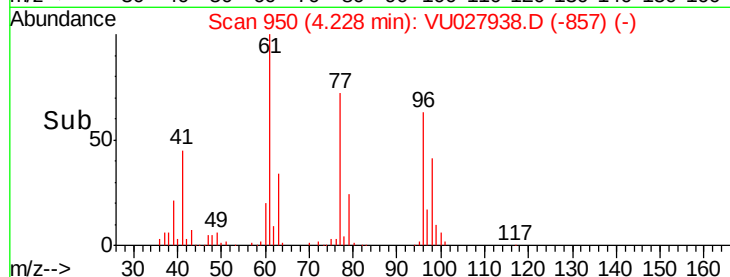
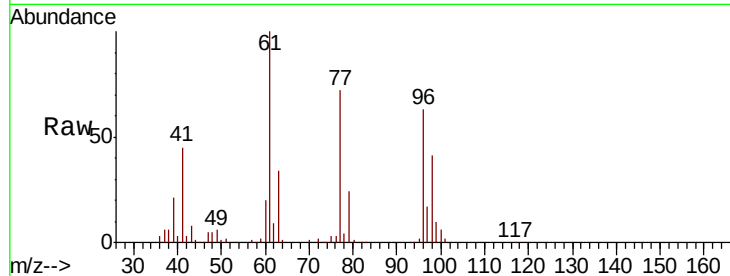
#27
 cis-1,2-Dichloroethene
 Concen: 48.927 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.2	0.0	329.6
98	64.7	0.0	127.2

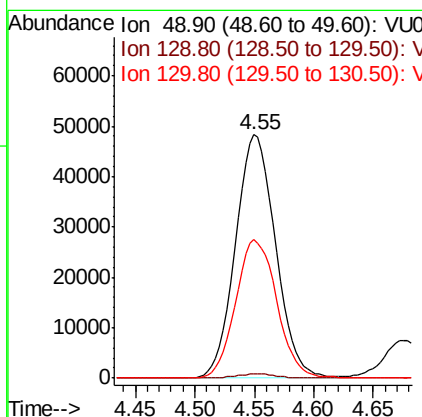
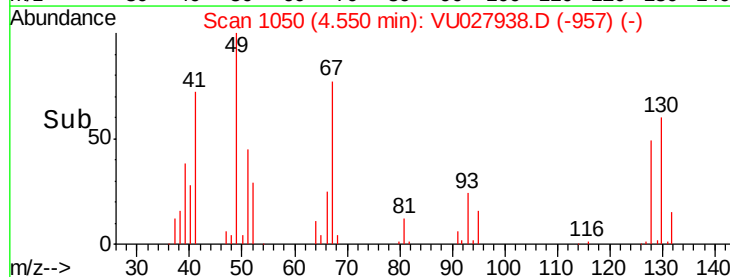
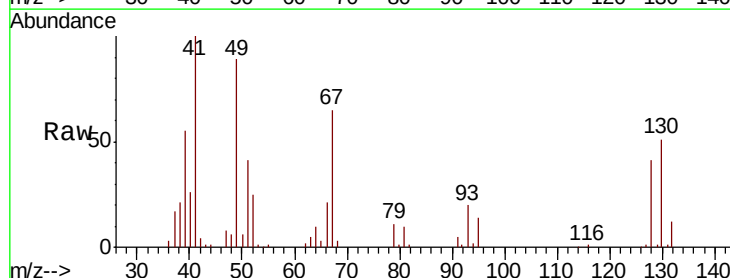
Manual Integrations
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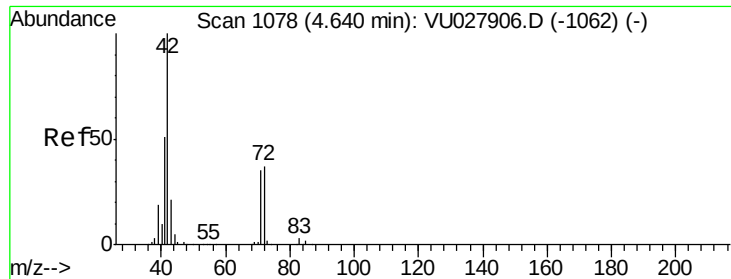
MMDadoda
 11/5/2018 11:29:25 AM



#28
 Bromochloromethane
 Concen: 49.771 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	58.4	47.8	71.6





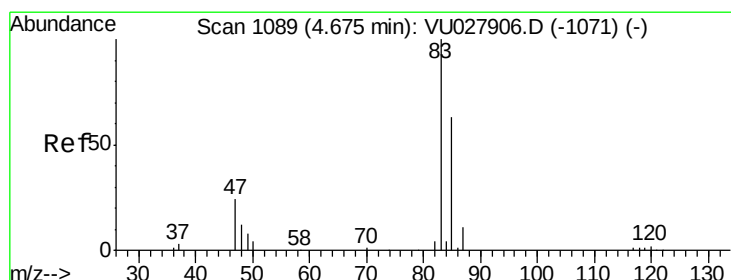
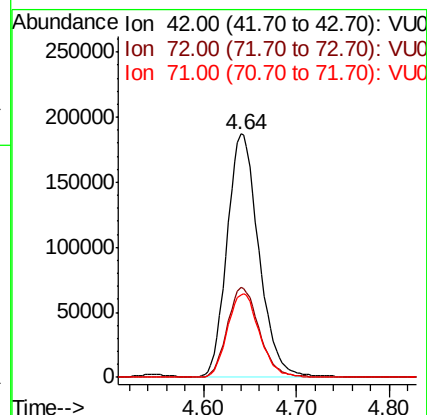
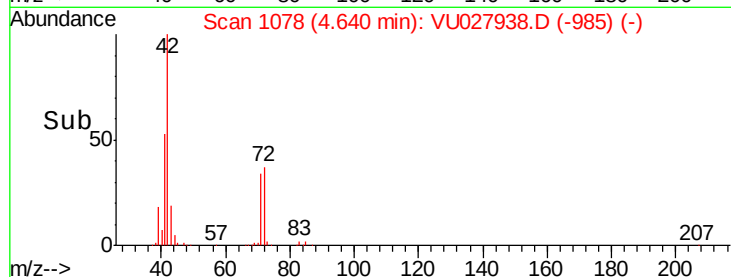
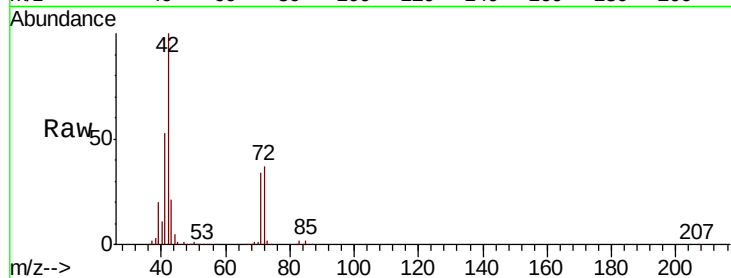
#29
Tetrahydrofuran
Concen: 246.670 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	29.4	44.0
71	35.0	27.9	41.9

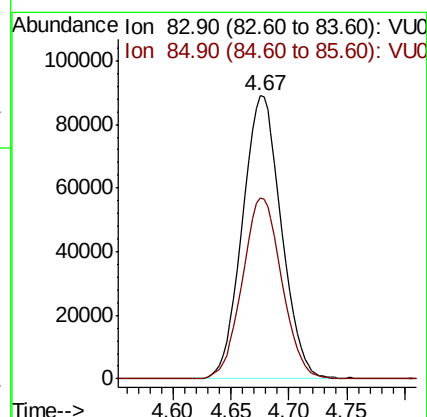
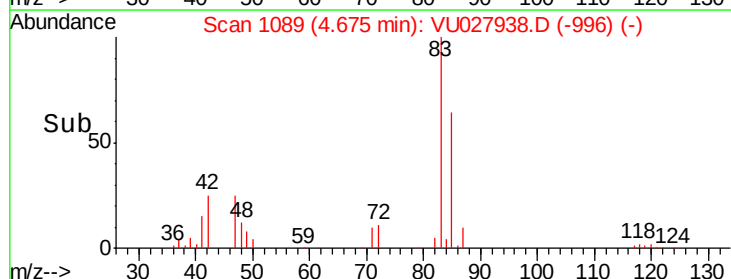
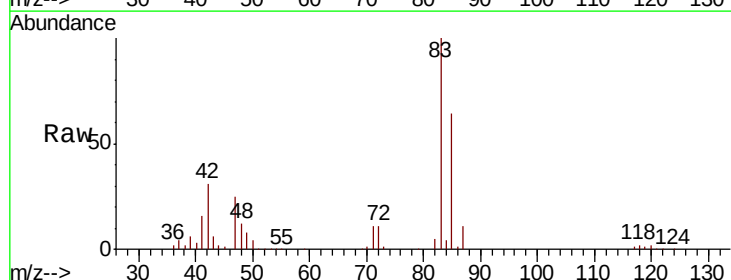
Manual Integrations
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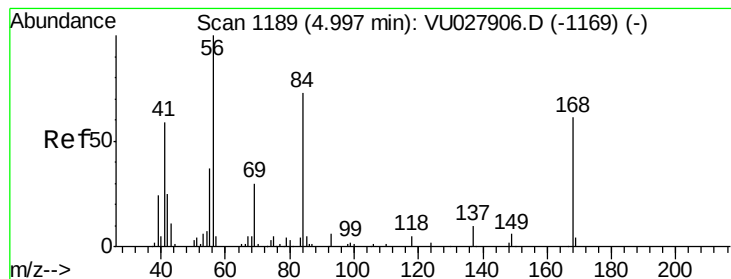
MMDadoda
11/5/2018 11:29:25 AM



#30
Chloroform
Concen: 47.031 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	76.0





#31

Cyclohexane

Concen: 46.833 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

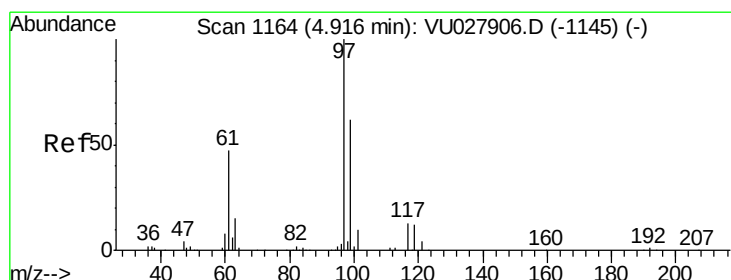
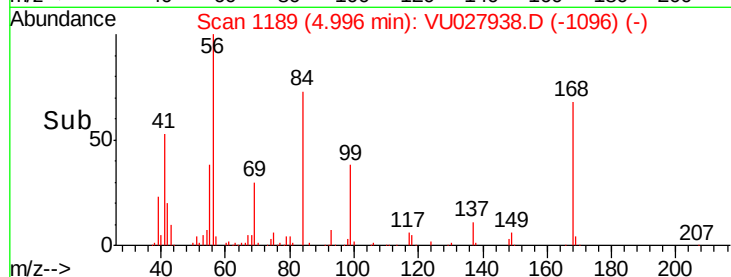
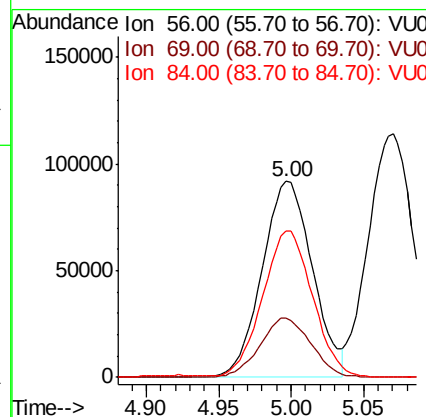
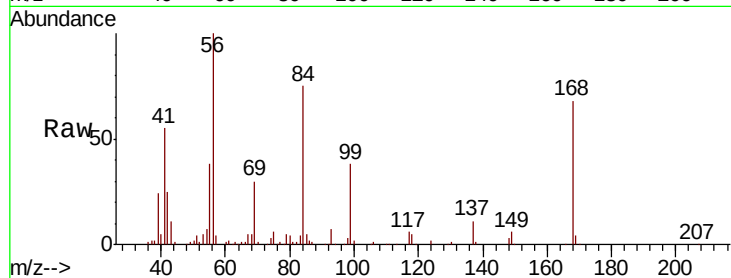
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	222222
Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.7	35.5
84	73.8	58.2	87.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.251 ug/l

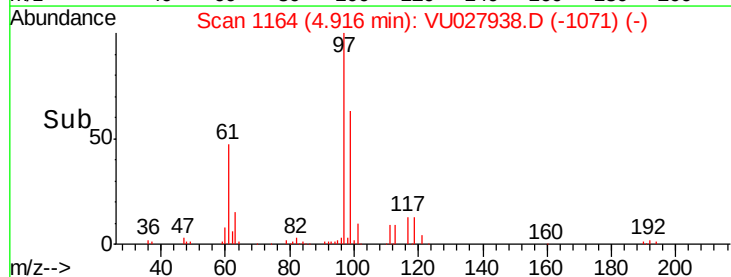
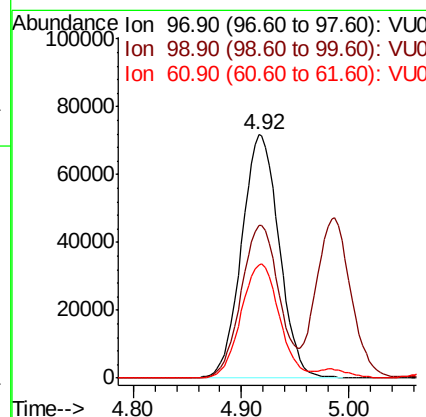
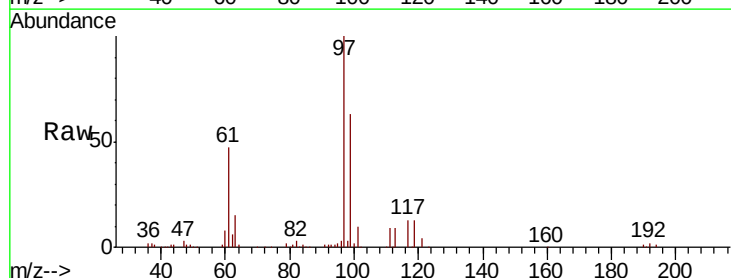
RT: 4.92 min Scan# 1164

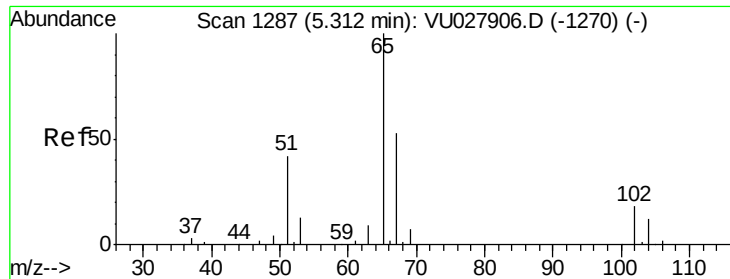
Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Tgt Ion:	97	Resp:	173419
Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.5	75.7
61	47.7	38.3	57.5





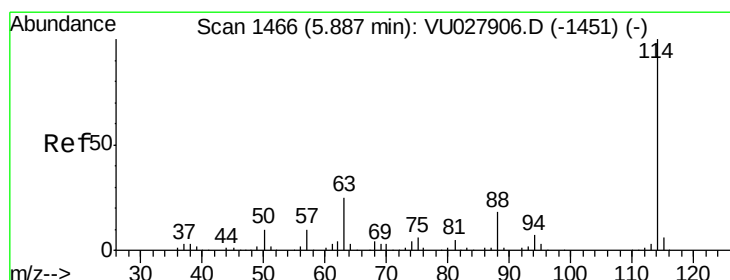
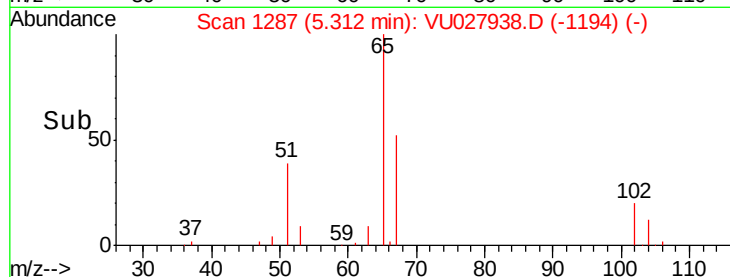
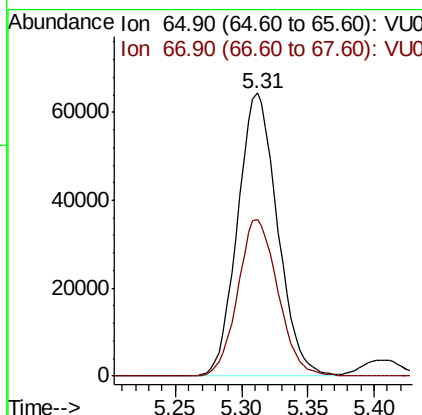
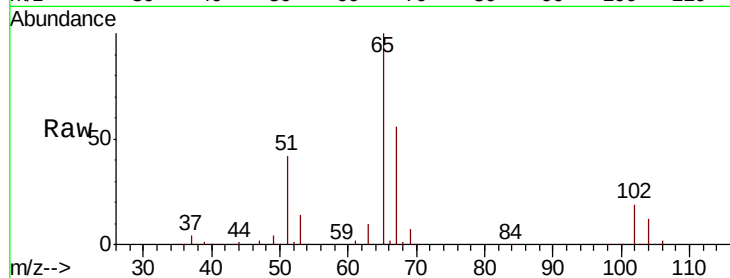
#33
 1,2-Dichloroethane-d4
 Concen: 49.388 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.8	0.0	109.0

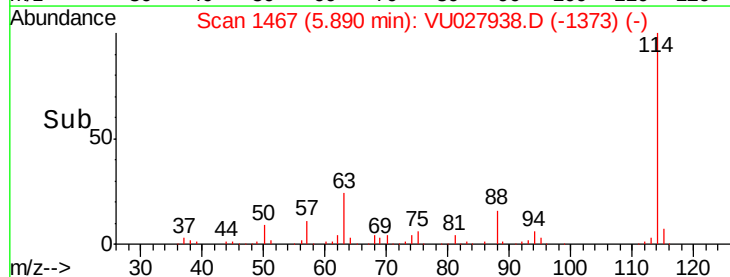
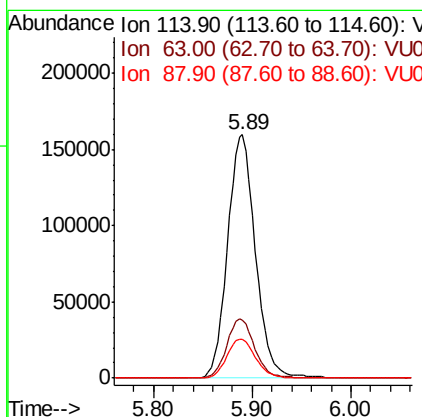
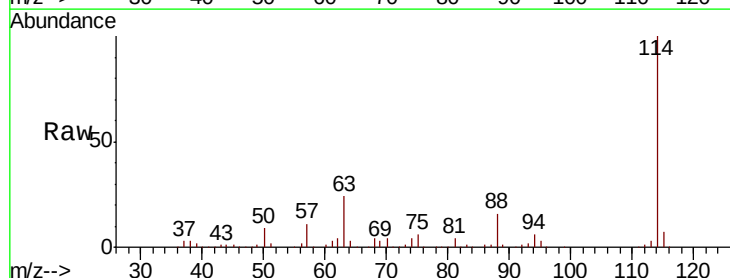
Manual Integrations
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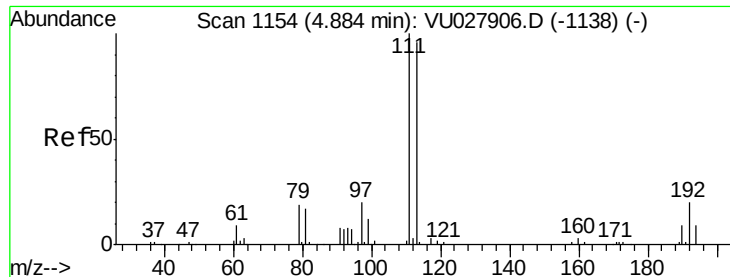
MMDadoda
 11/5/2018 11:29:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	50.8
88	15.9	0.0	35.8





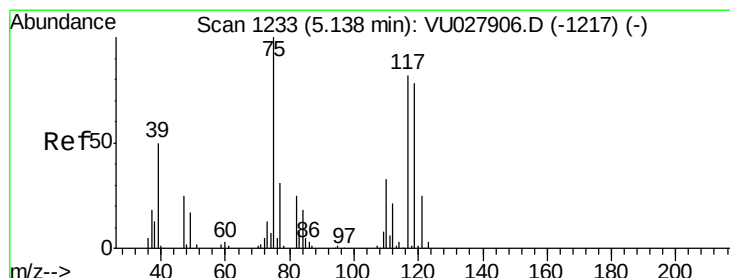
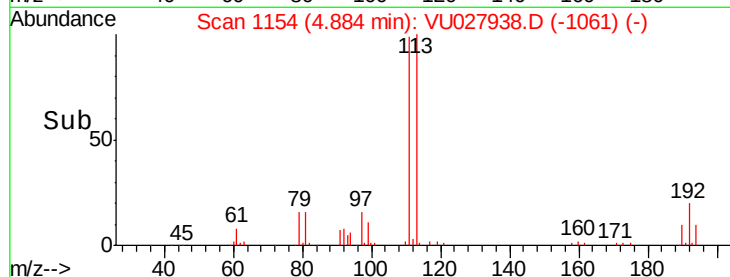
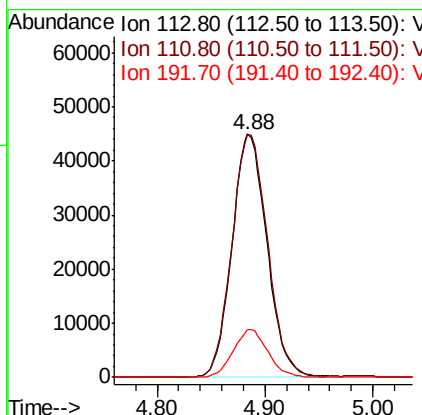
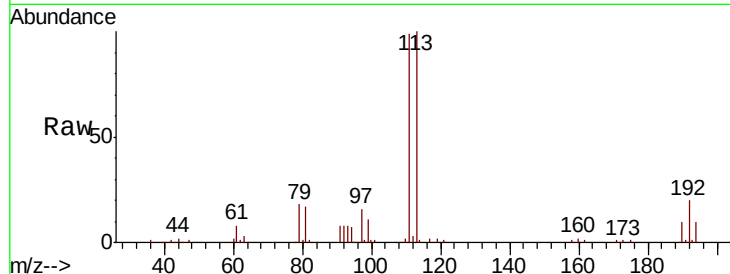
#35
 Dibromofluoromethane
 Concen: 51.383 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101492		
111	102.1	83.0	124.6	
192	19.4	15.6	23.4	

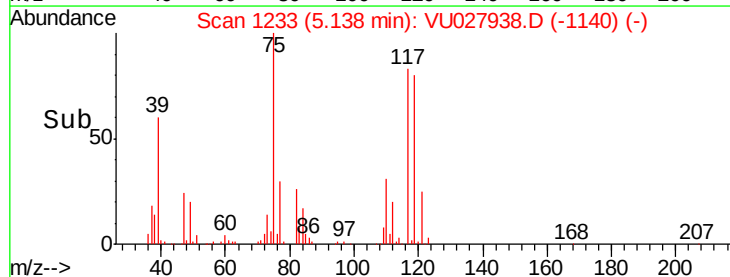
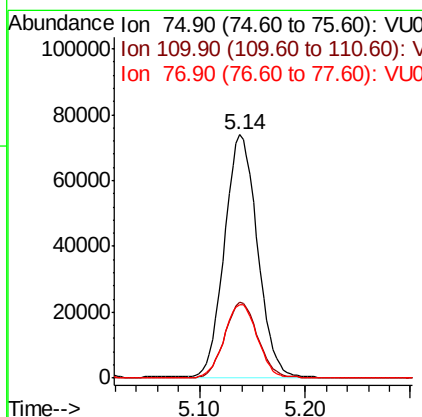
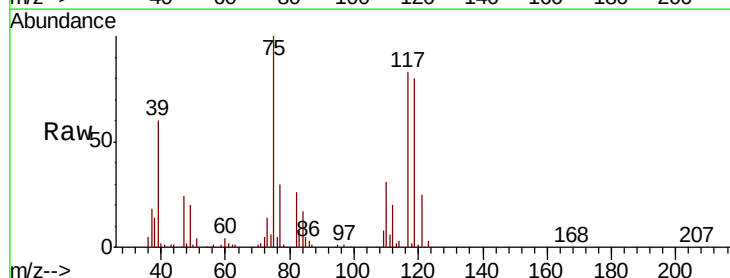
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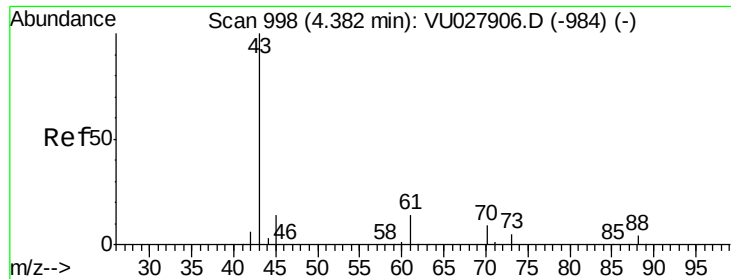
MMDadoda
 11/5/2018 11:29:25 AM



#36
 1,1-Dichloropropene
 Concen: 48.902 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	160447		
110	31.2	16.5	49.5	
77	30.7	24.9	37.3	





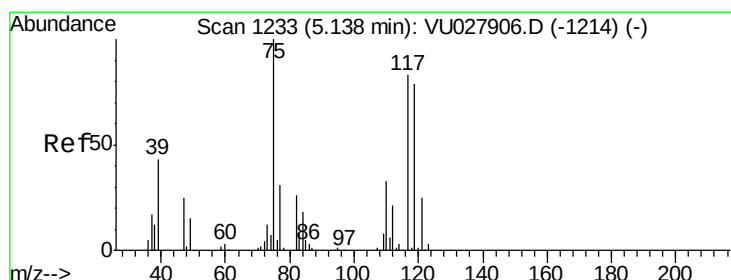
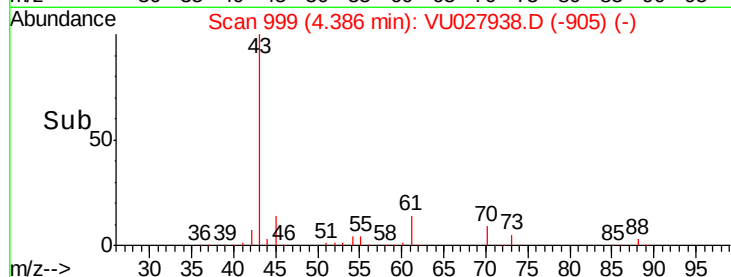
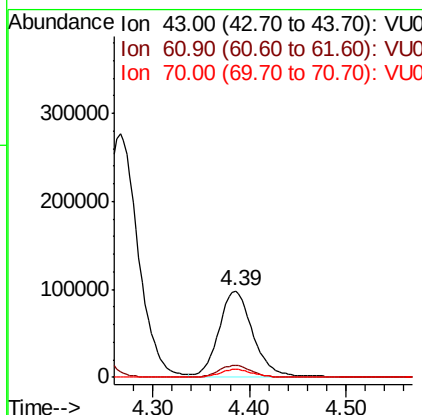
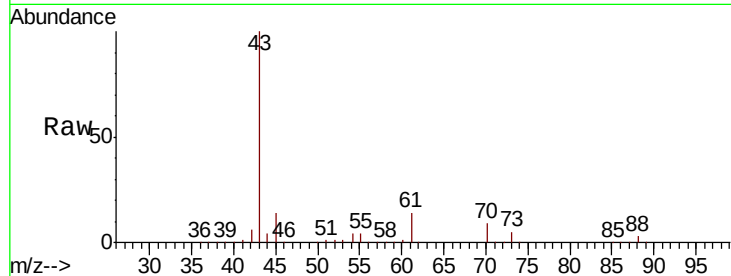
#37
Ethyl Acetate
Concen: 49.347 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	237230
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	9.0	7.0	10.6

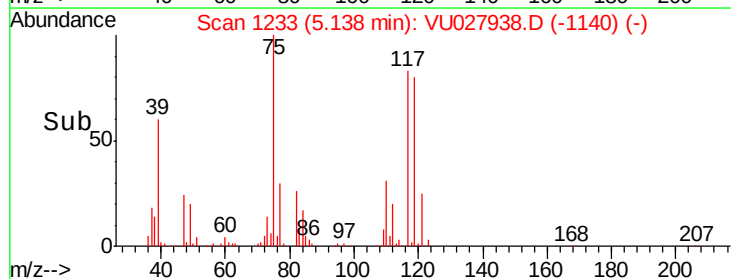
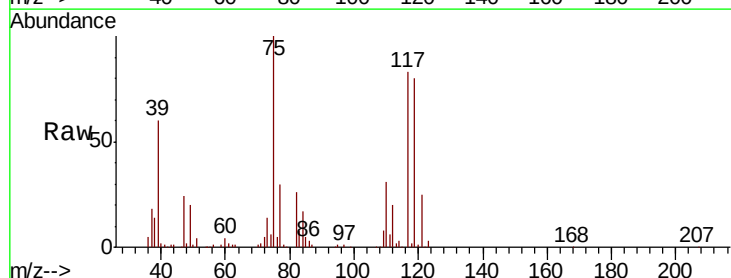
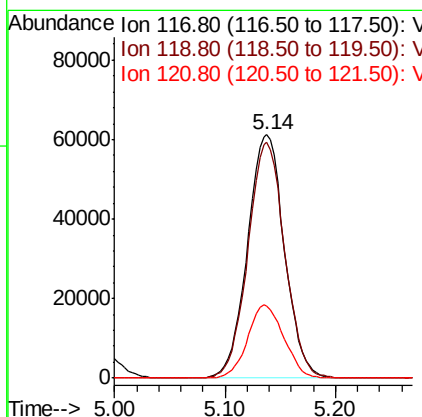
Manual Integrations
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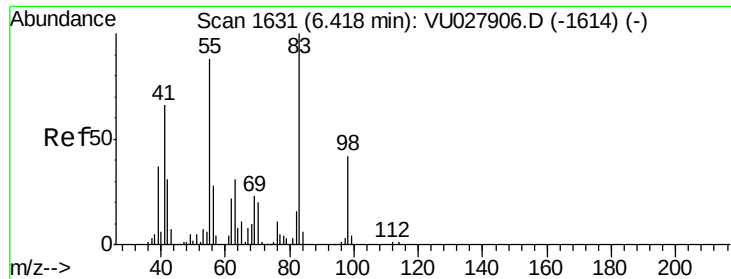
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11/5/2018 11:29:25 AM



#38
Carbon Tetrachloride
Concen: 48.816 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion:	117	Resp:	141941
Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.0	114.0
121	29.8	24.5	36.7





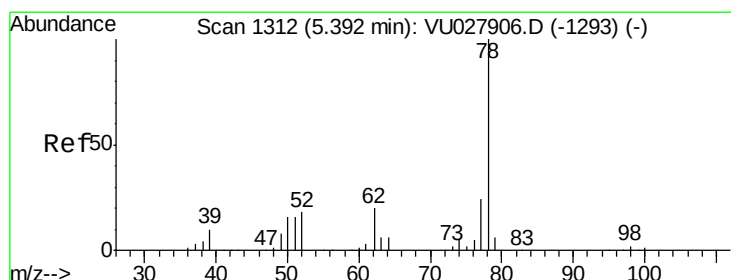
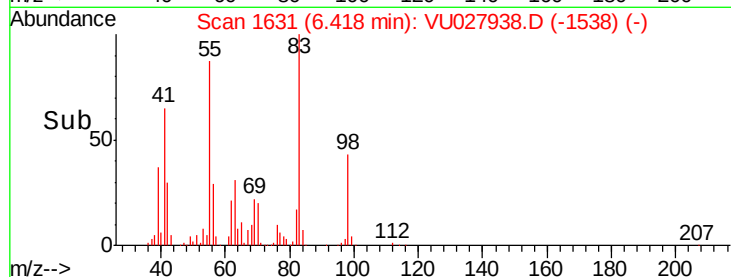
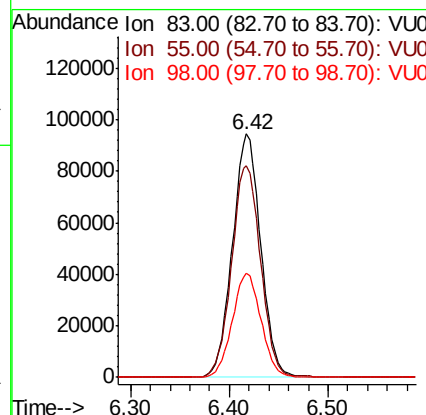
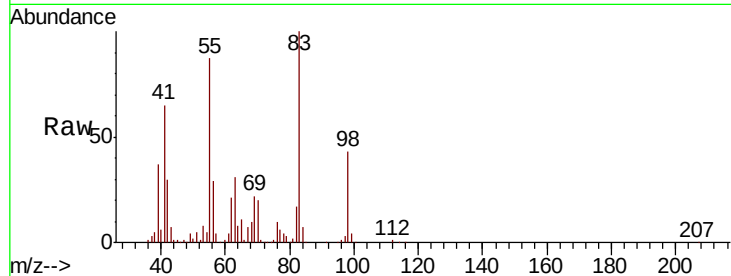
#39
Methylvlcyclohexane
Concen: 47.864 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	70.3	105.5
98	42.9	34.0	51.0

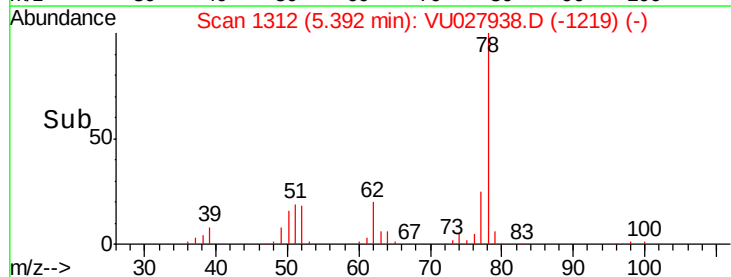
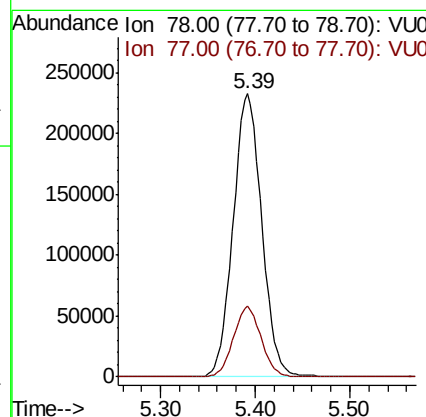
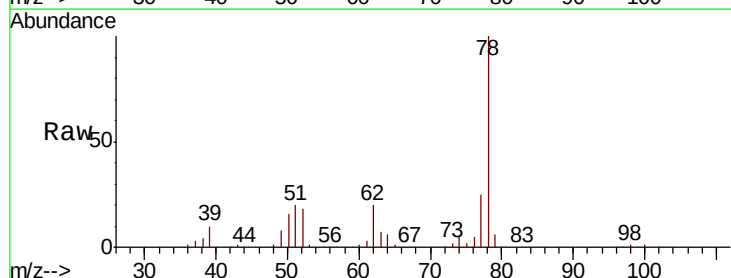
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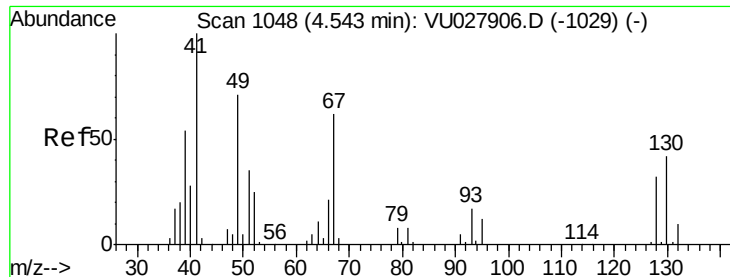
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#40
Benzene
Concen: 48.738 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.3	28.9





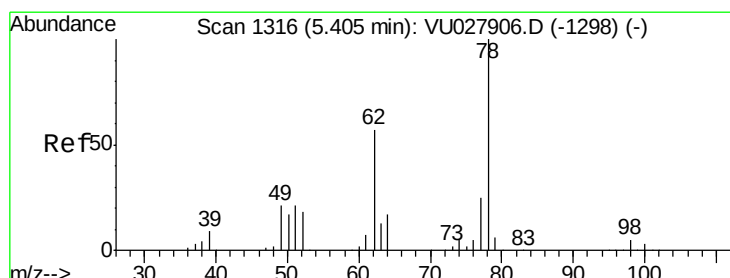
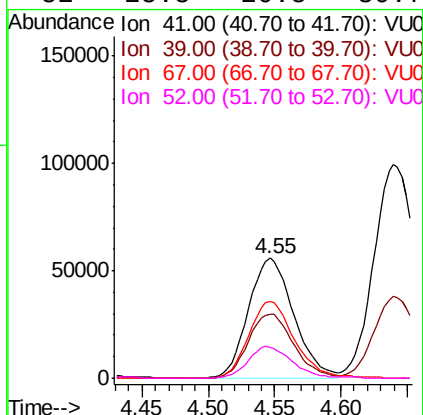
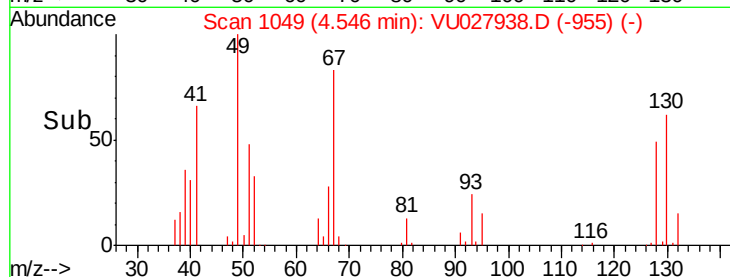
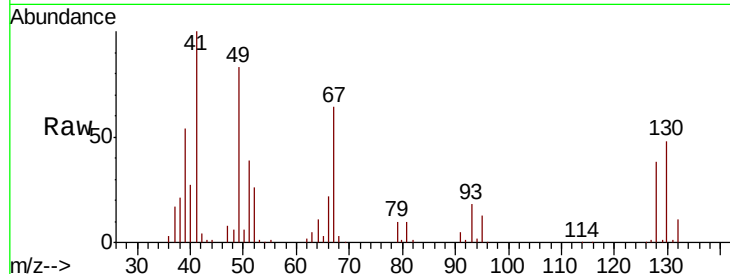
#41
Methacrylonitrile
Concen: 51.821 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.2	63.4
67	64.2	49.5	74.3
52	25.5	20.5	30.7

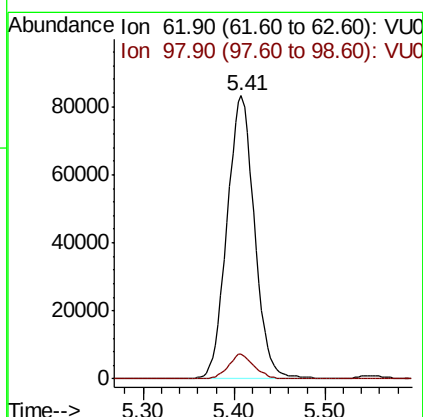
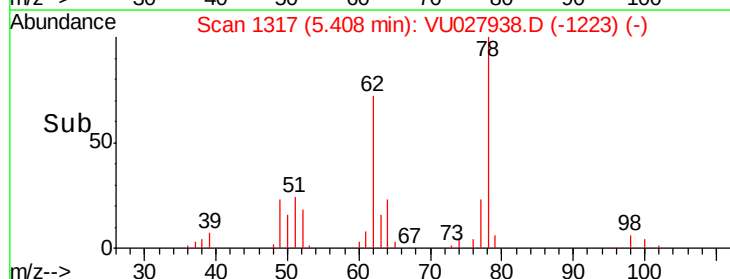
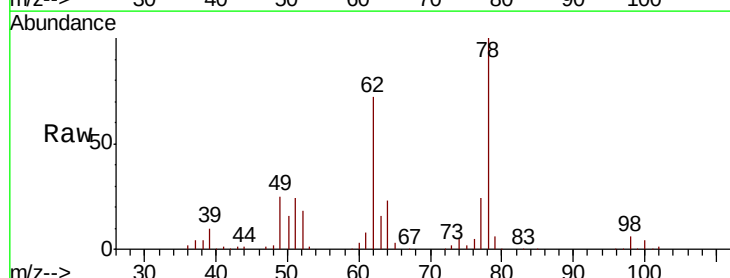
Manual Integrations
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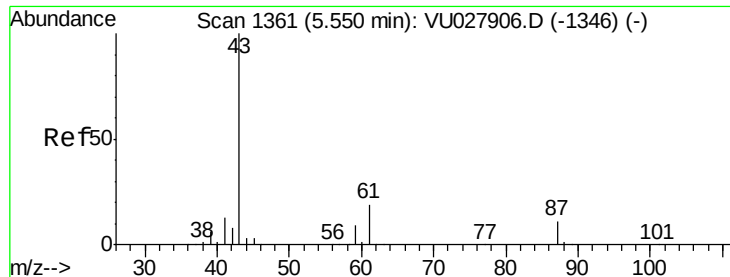
MMDadoda
11/5/2018 11:29:25 AM



#42
1,2-Dichloroethane
Concen: 48.929 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





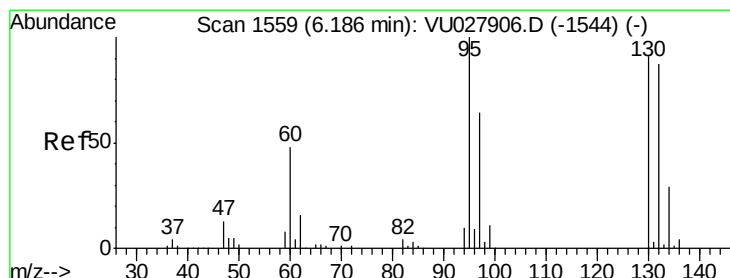
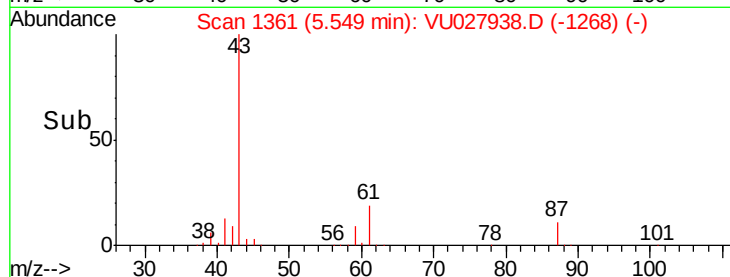
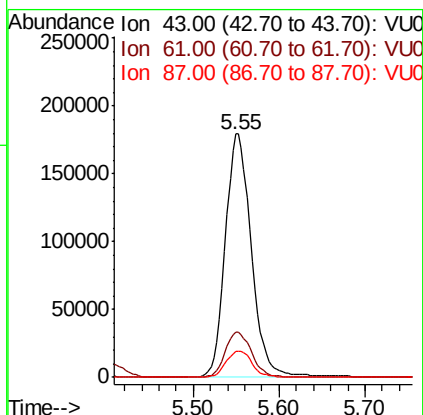
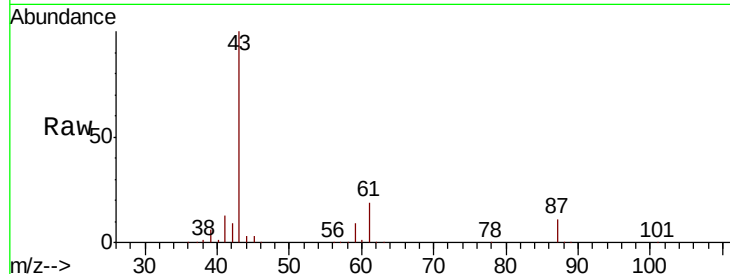
#43
Isopropyl Acetate
Concen: 49.907 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.0	22.4
87	10.9	8.6	12.8

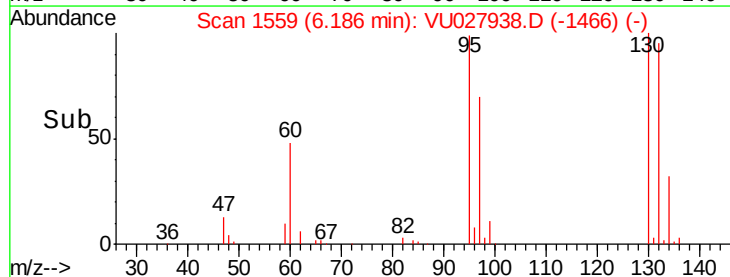
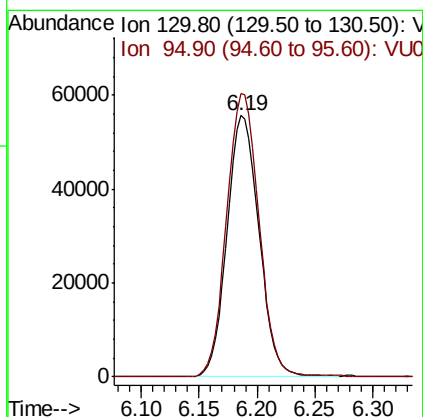
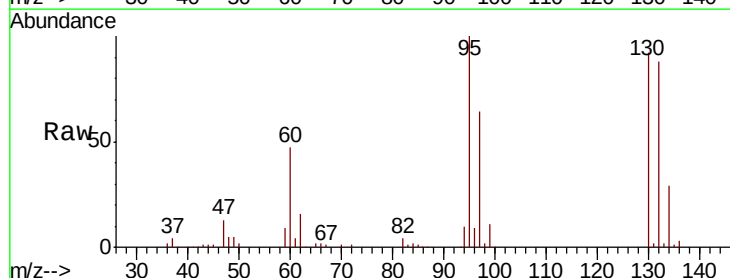
Manual Integrations
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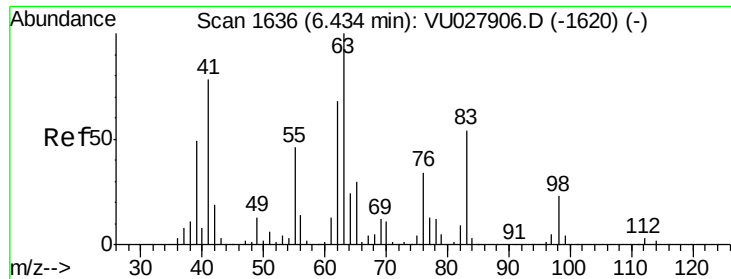
MMDadoda
11/5/2018 11:29:25 AM



#44
Trichloroethene
Concen: 49.335 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	219.2





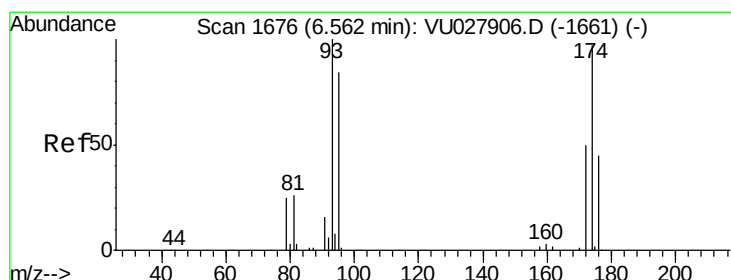
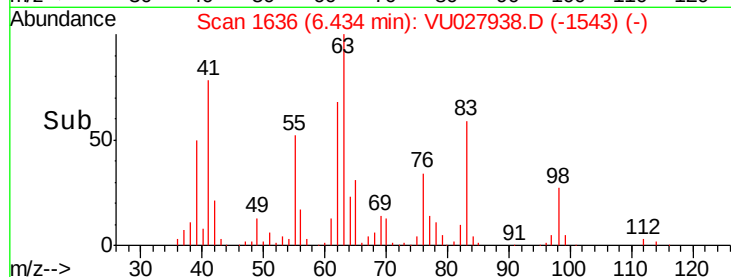
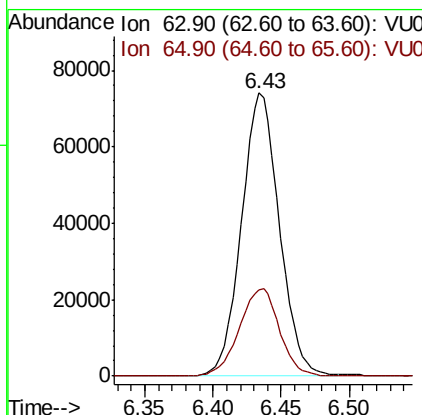
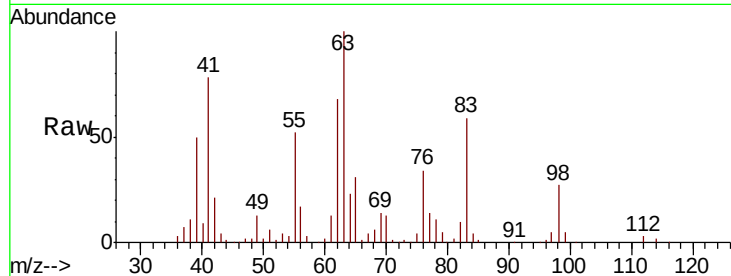
#45
 1,2-Dichloropropane
 Concen: 49.373 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 142835
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.4 36.6

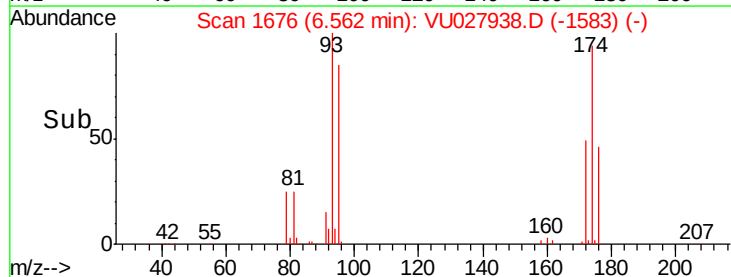
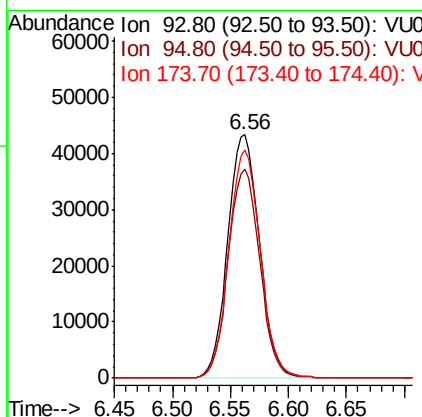
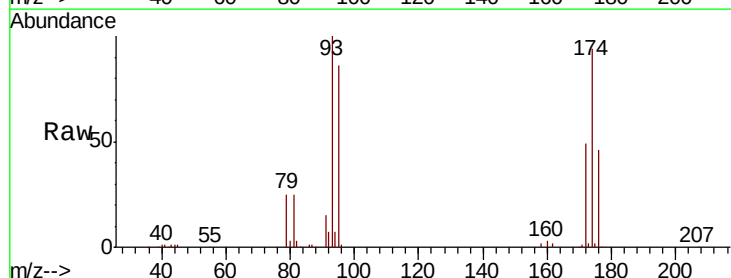
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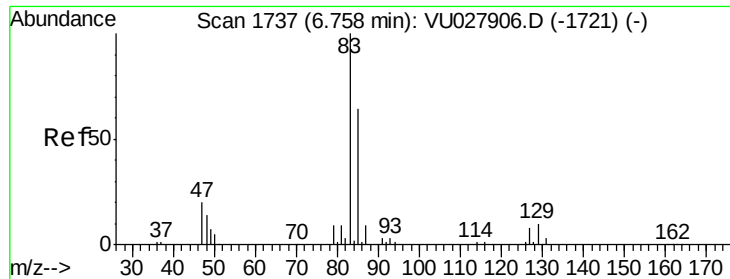
MMDadoda
 11/5/2018 11:29:25 AM



#46
 Dibromomethane
 Concen: 49.694 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Tgt Ion: 93 Resp: 82635
 Ion Ratio Lower Upper
 93 100
 95 85.2 68.5 102.7
 174 92.7 76.1 114.1





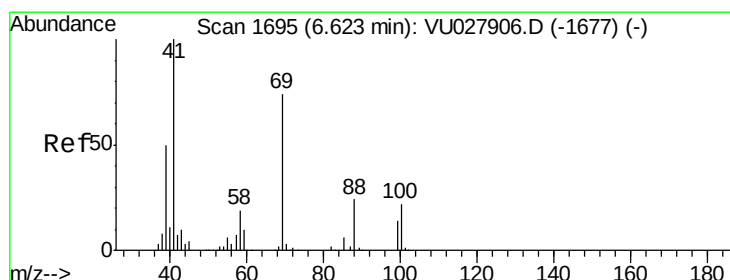
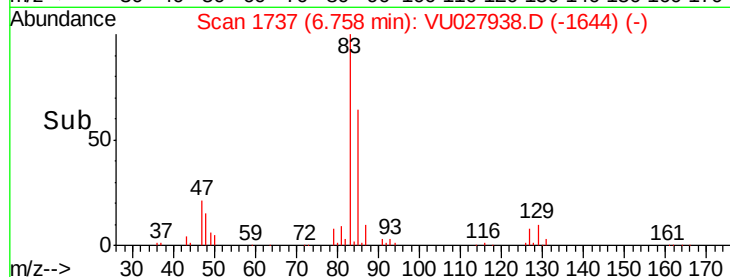
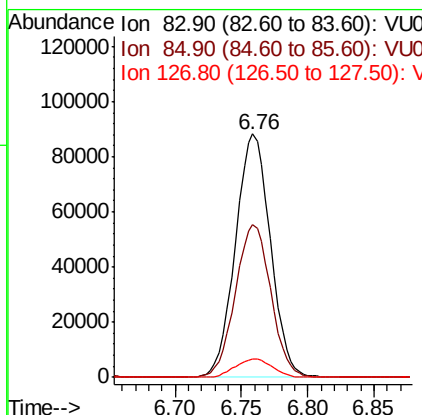
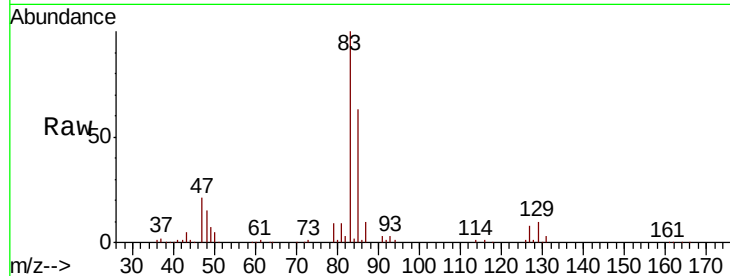
#47
Bromodichloromethane
Concen: 50.616 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.0	76.6
127	7.6	6.2	9.4

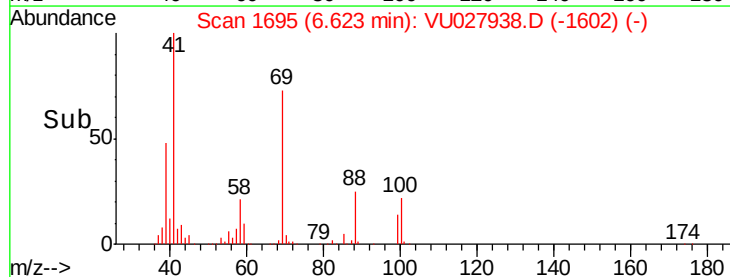
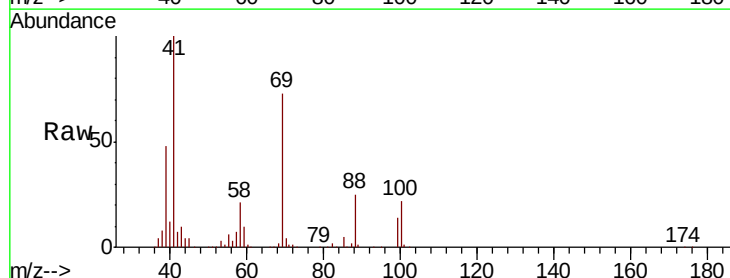
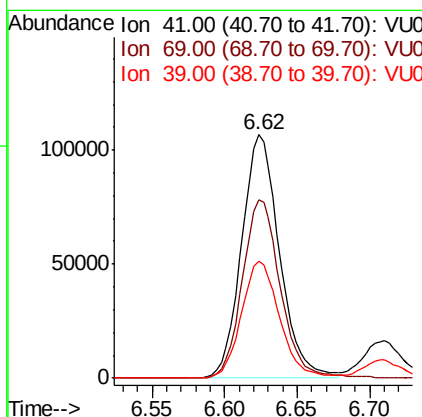
Manual Integrations
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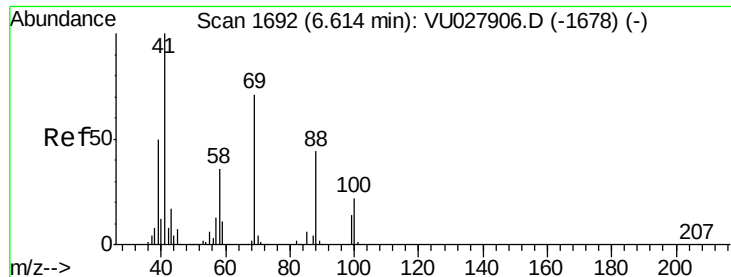
MMDadoda
11/5/2018 11:29:25 AM



#48
Methyl methacrylate
Concen: 52.279 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.0	59.8	89.8
39	48.2	40.0	60.0





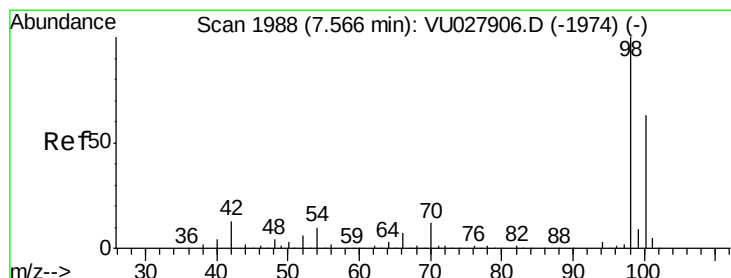
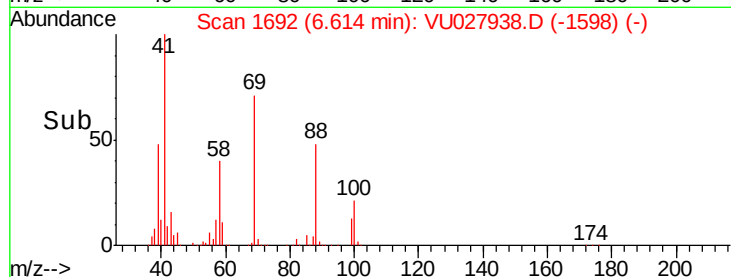
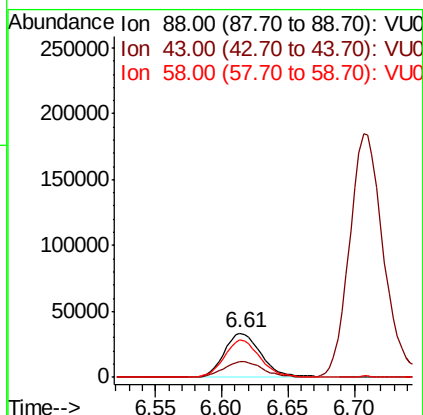
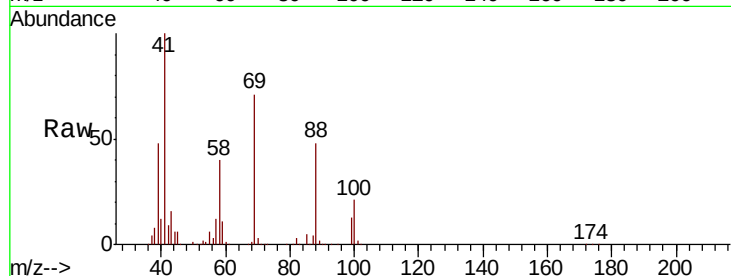
#49
1,4-Dioxane
Concen: 1072.507 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	30.5	45.7
58	83.3	67.1	100.7

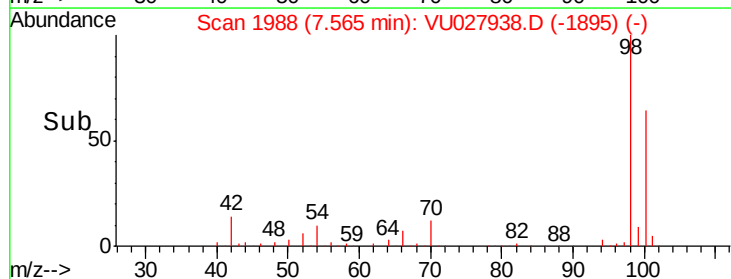
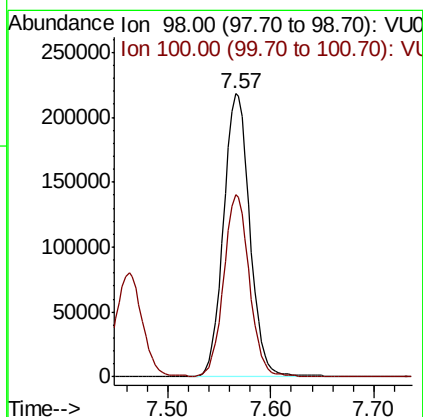
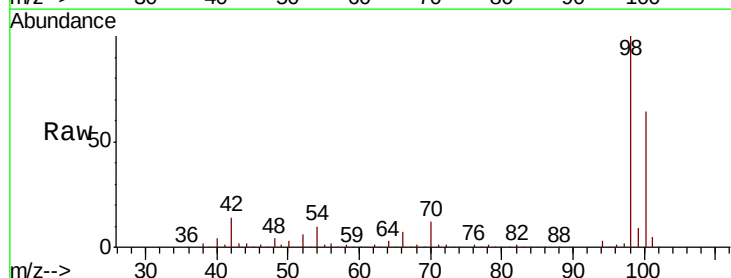
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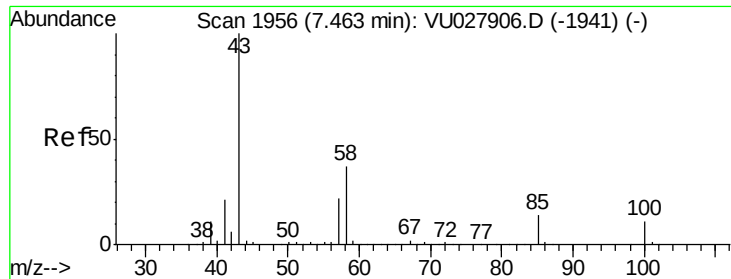
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11/5/2018 11:29:25 AM



#50
Toluene-d8
Concen: 50.933 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.5	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 250.079 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1257886

Ion Ratio Lower Upper

43 100

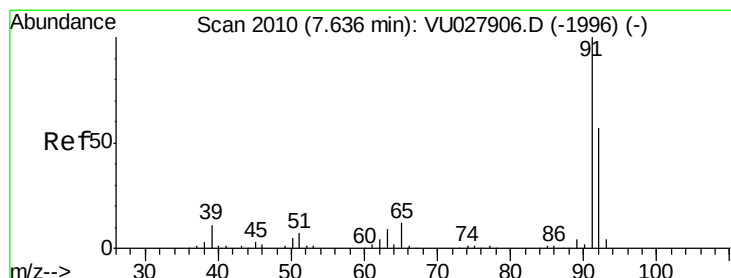
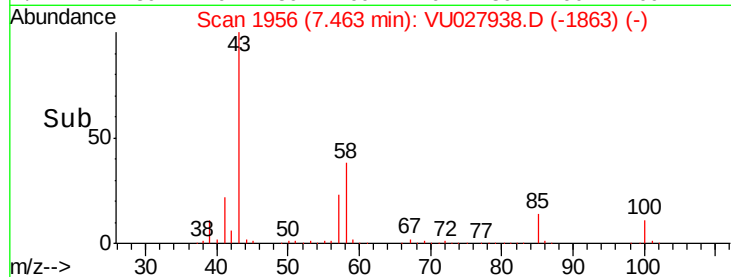
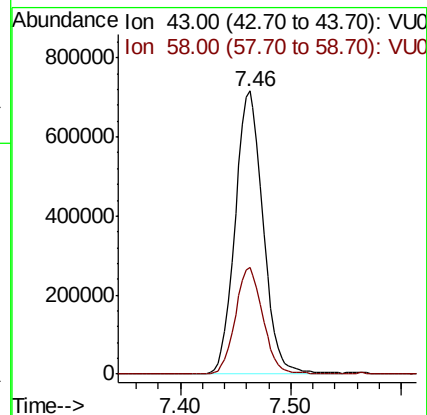
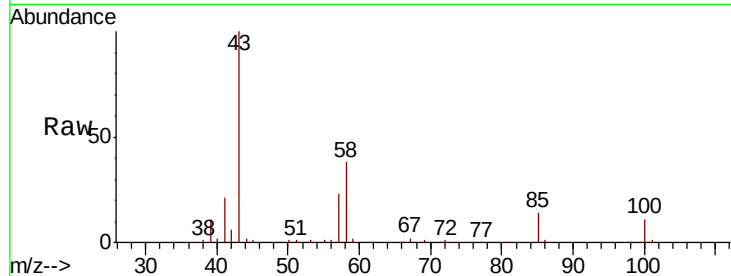
58 37.3 29.5 44.3

Manual Integrations

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11/5/2018 11:29:25 AM



#52

Toluene

Concen: 49.413 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027938.D

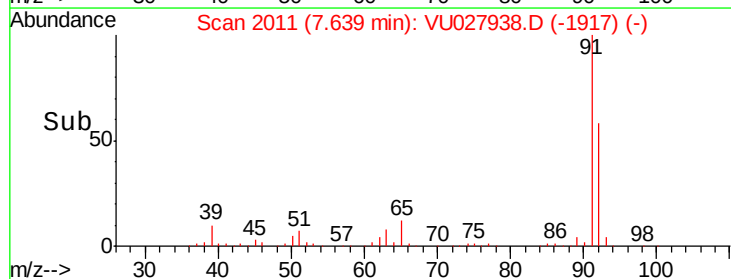
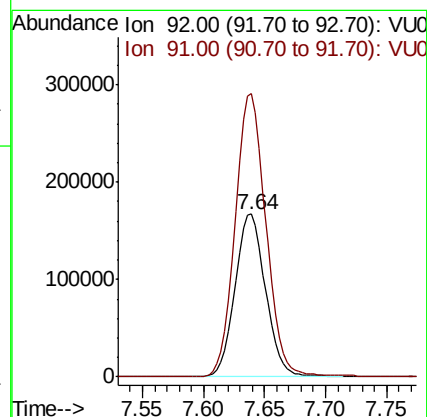
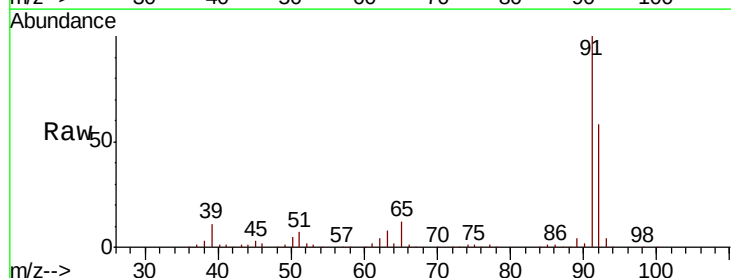
Acq: 02 Nov 2018 19:56

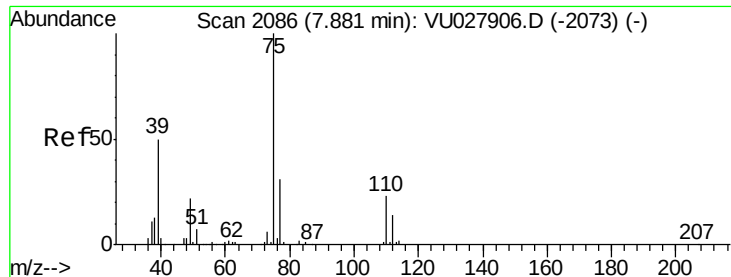
Tgt Ion: 92 Resp: 291404

Ion Ratio Lower Upper

92 100

91 176.2 141.2 211.8





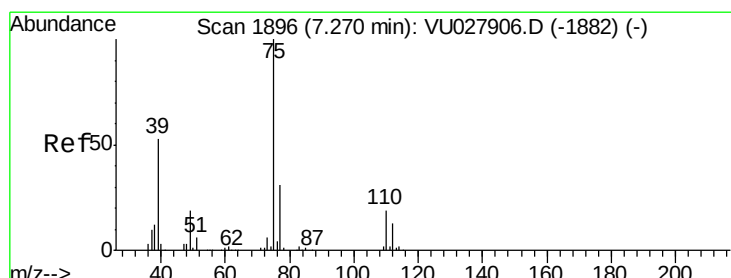
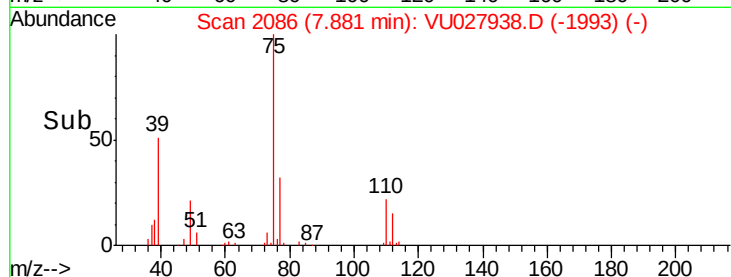
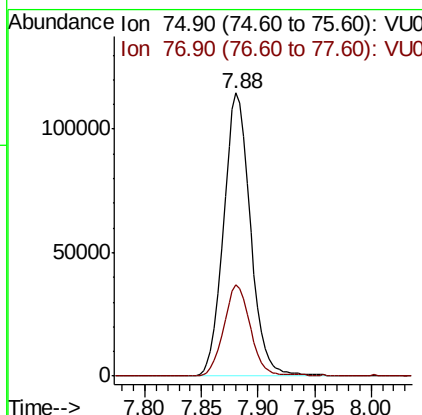
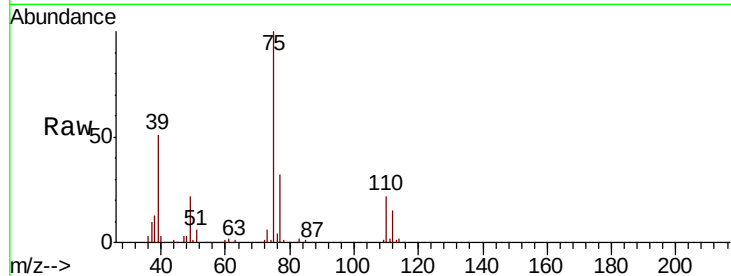
#53
t-1,3-Dichloropropene
Concen: 47.724 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.1	37.7

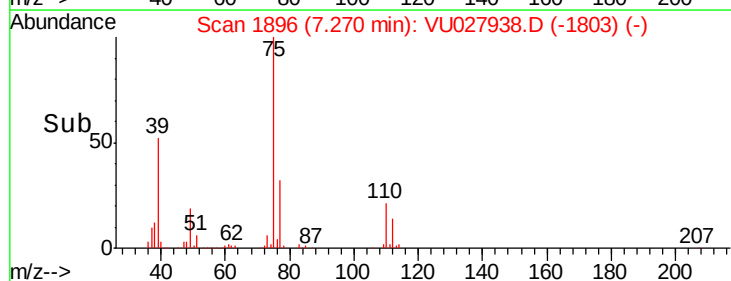
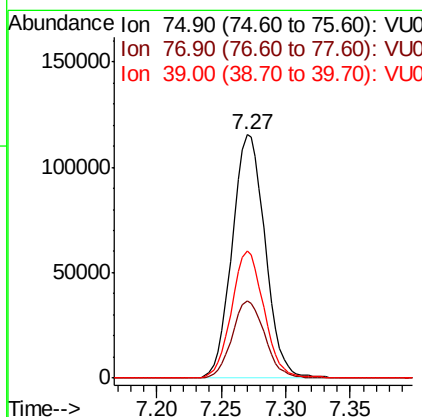
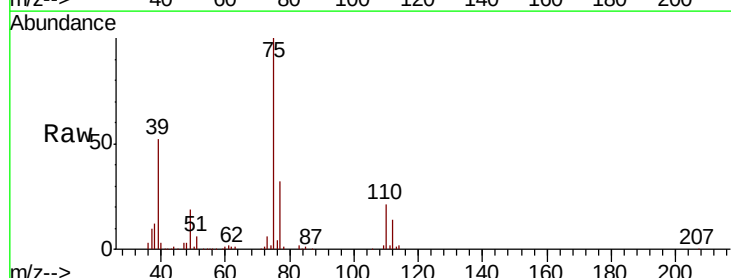
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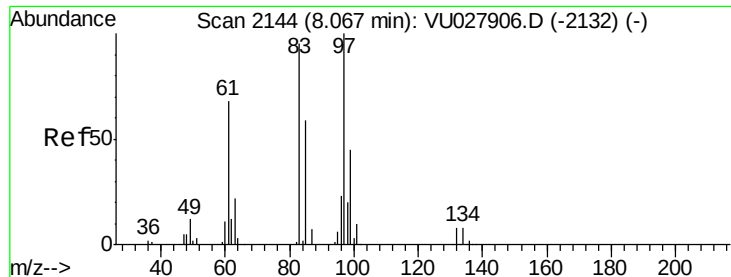
MMDadoda
11/5/2018 11:29:25 AM



#54
cis-1,3-Dichloropropene
Concen: 51.953 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	37.0
39	52.3	42.6	64.0





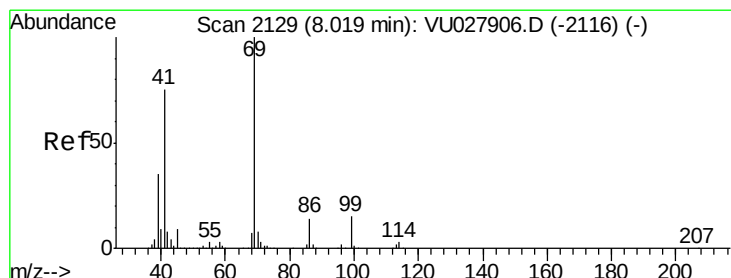
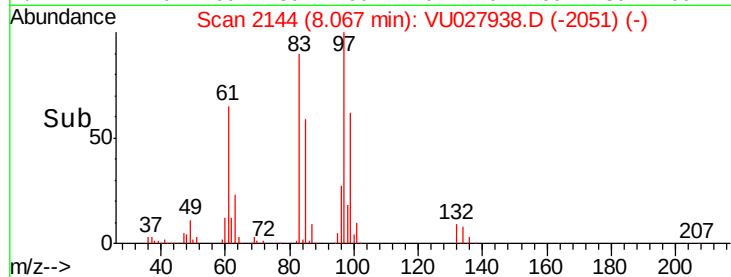
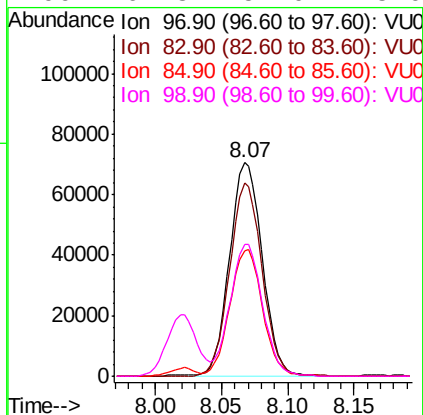
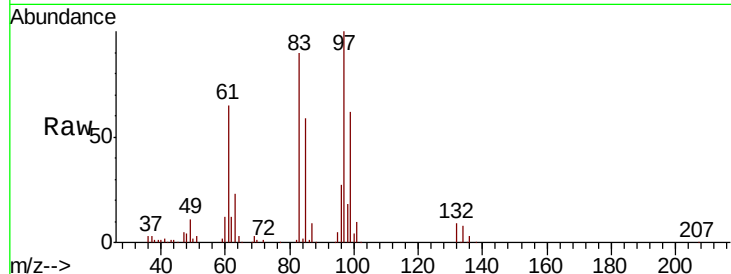
#55
1,1,2-Trichloroethane
Concen: 50.170 ug/l
RT: 8.07 min Scan# 2144
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120373		
83	90.6	76.1	114.1		
85	58.9	48.9	73.3		
99	61.8	52.0	78.0		

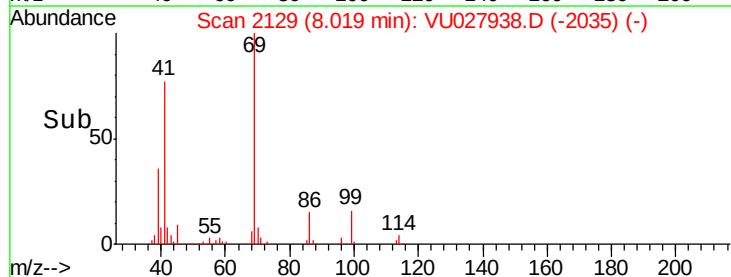
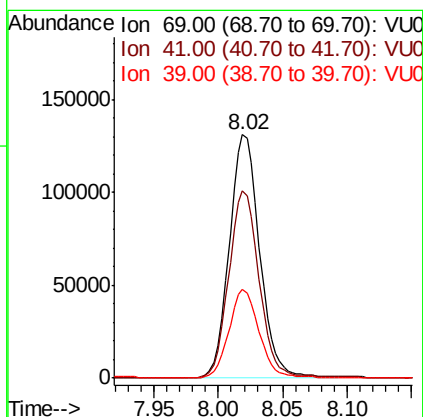
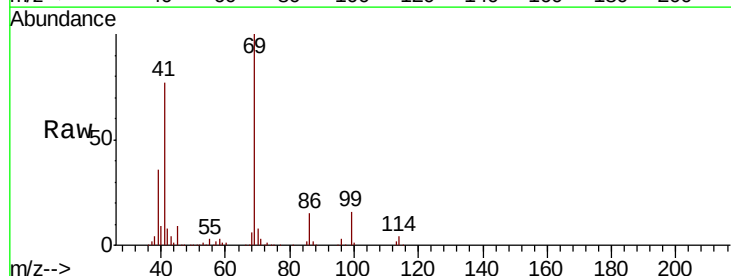
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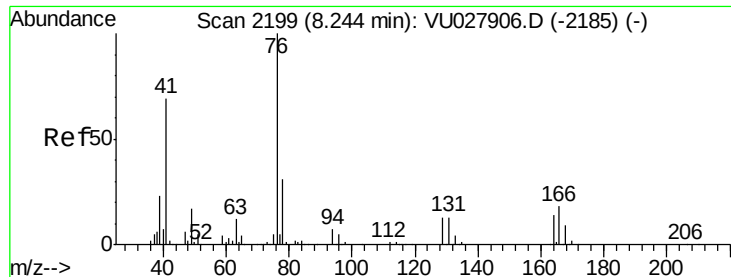
MMDadoda
11/5/2018 11:29:25 AM



#56
Ethyl methacrylate
Concen: 50.795 ug/l
RT: 8.02 min Scan# 2129
Delta R.T. 0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		214918		
41	77.7	59.8	89.6		
39	35.7	28.6	42.8		





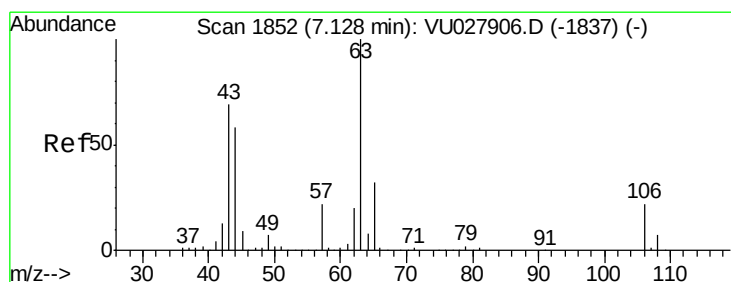
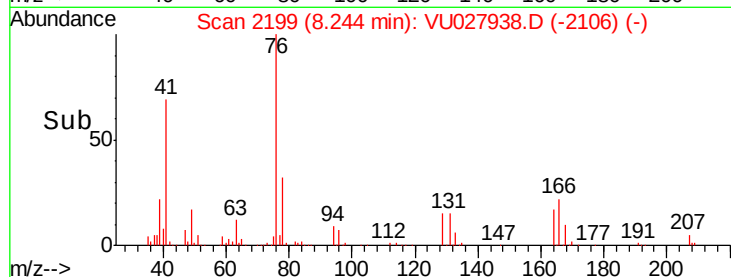
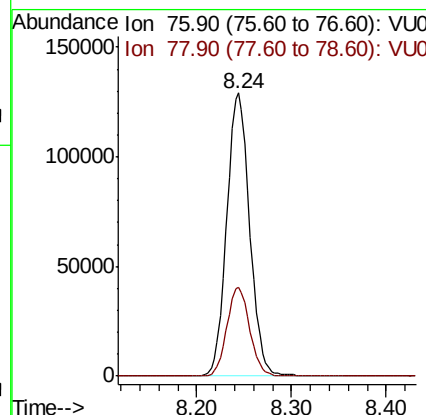
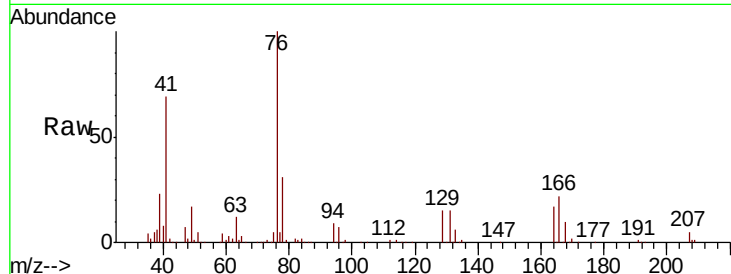
#57
 1,3-Dichloropropane
 Concen: 49.664 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 217059
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.3 37.9

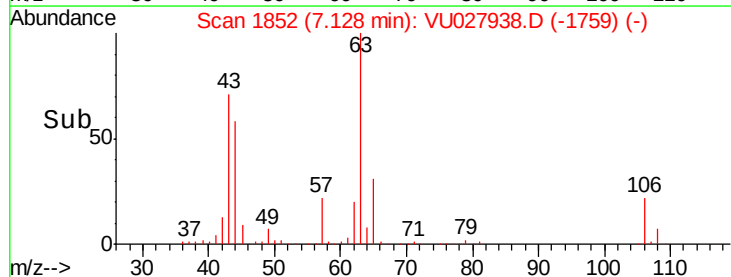
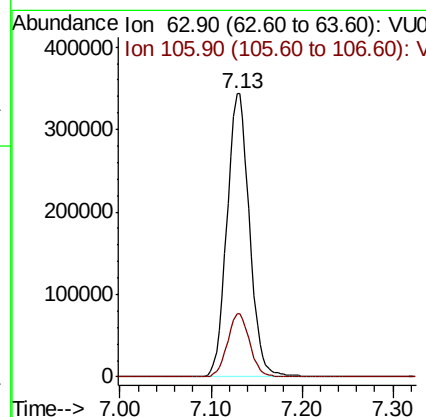
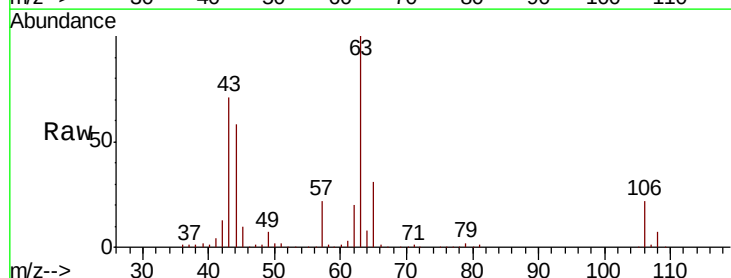
Manual Integrations
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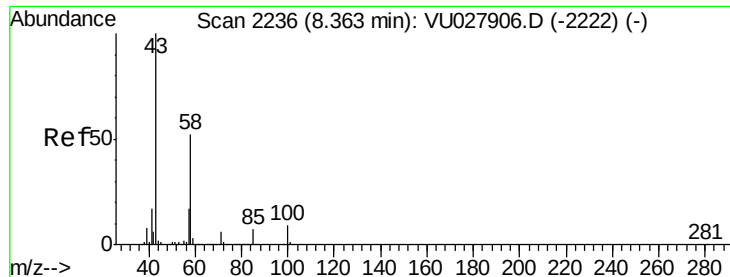
MMDadoda
 11/5/2018 11:29:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.180 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Tgt Ion: 63 Resp: 589591
 Ion Ratio Lower Upper
 63 100
 106 22.2 17.8 26.6





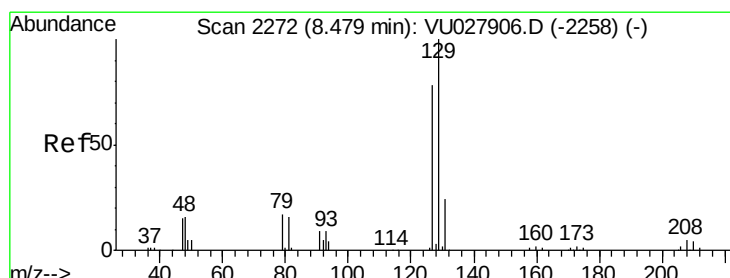
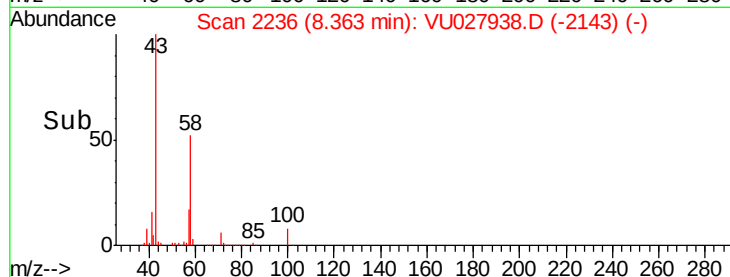
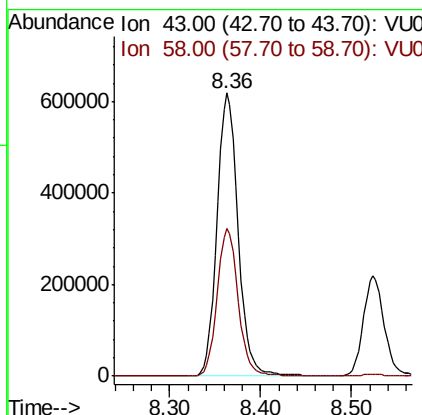
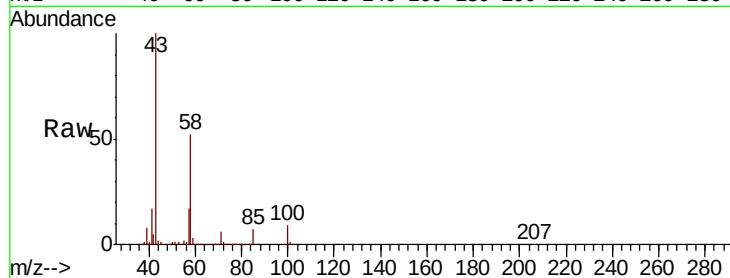
#59
2-Hexanone
Concen: 255.950 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 995728
Ion Ratio Lower Upper
43 100
58 52.0 25.8 77.3

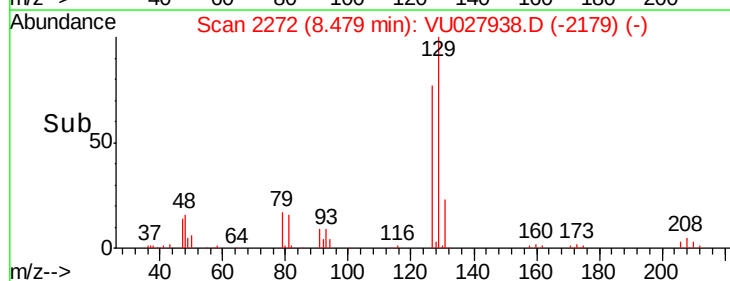
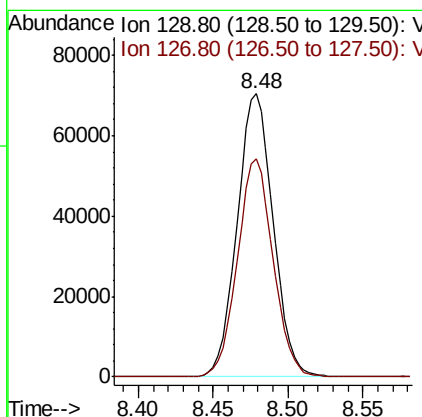
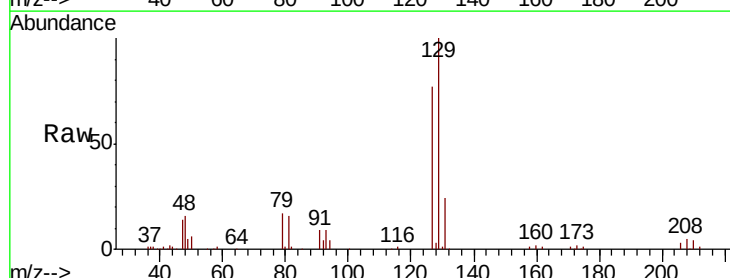
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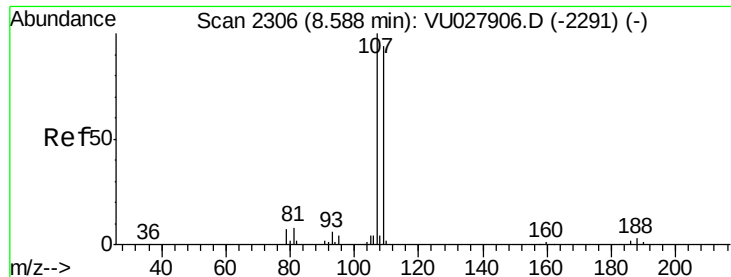
MMDadoda
11/5/2018 11:29:25 AM



#60
Dibromochloromethane
Concen: 52.089 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion: 129 Resp: 118262
Ion Ratio Lower Upper
129 100
127 76.4 39.2 117.6





#61

1,2-Dibromoethane

Concen: 49.951 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 127347

Ion Ratio Lower Upper

107 100

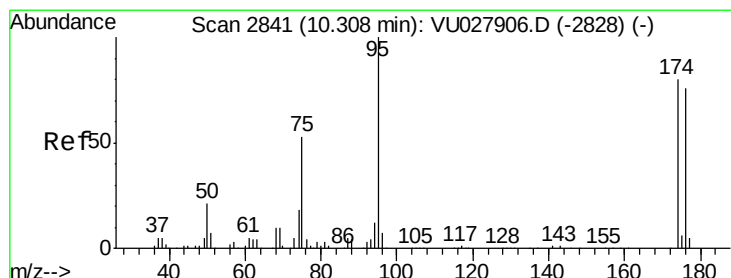
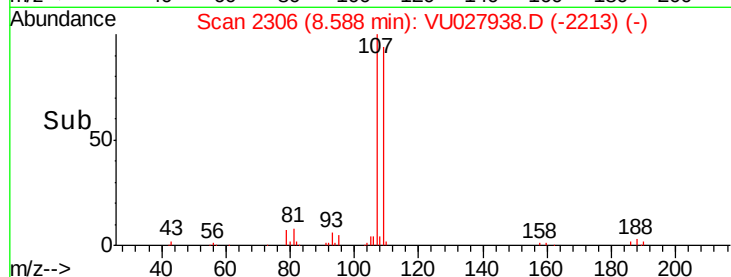
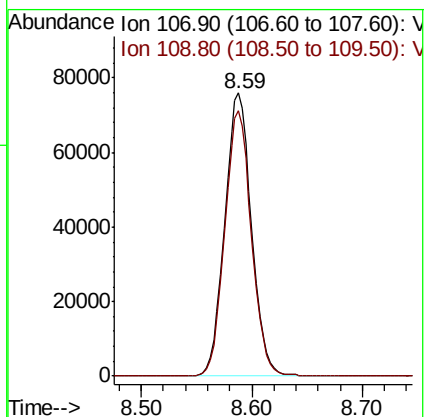
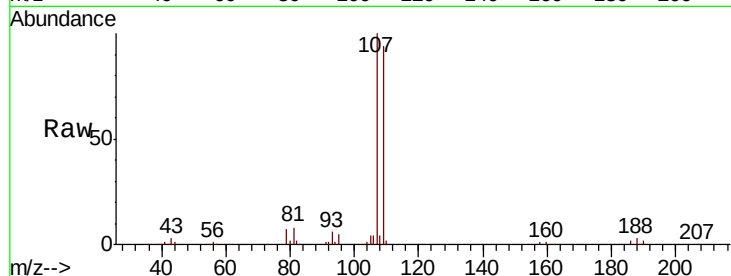
109 93.6 73.8 110.8

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11/5/2018 11:29:25 AM



#62

4-Bromofluorobenzene

Concen: 51.439 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

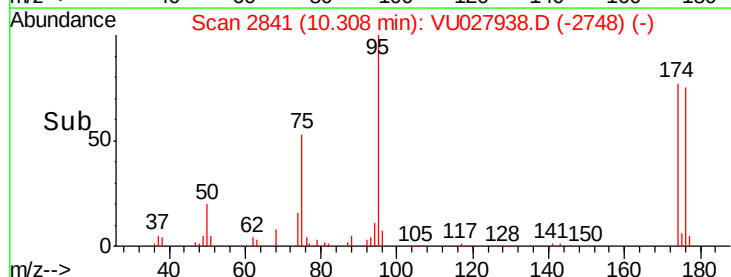
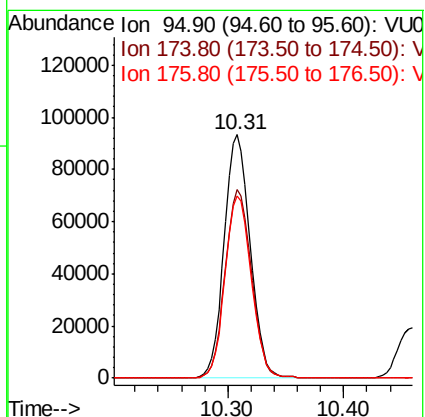
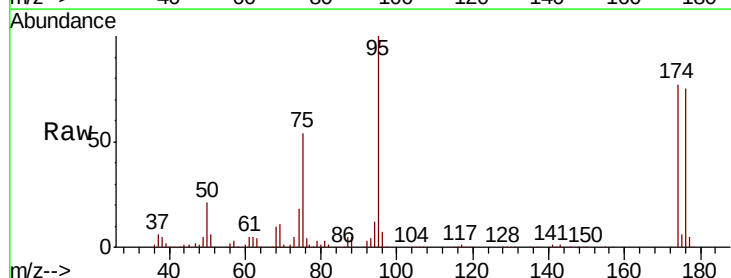
Tgt Ion: 95 Resp: 144767

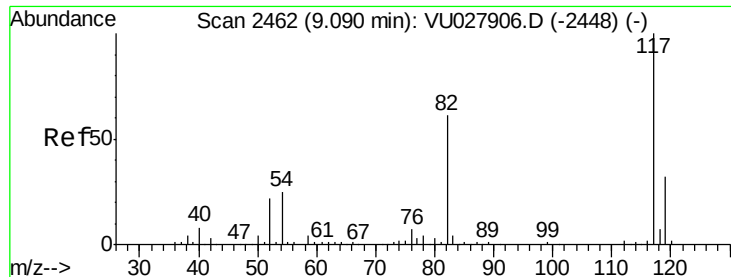
Ion Ratio Lower Upper

95 100

174 78.1 0.0 156.4

176 75.5 0.0 150.8





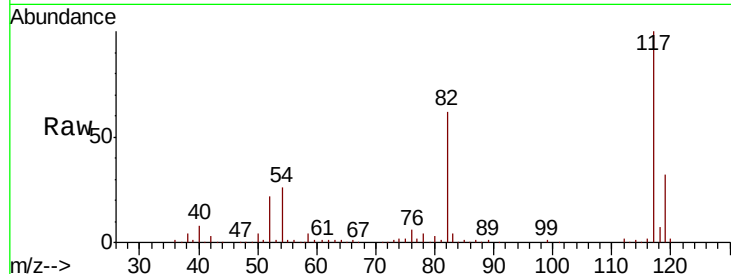
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	48.6	73.0
119	32.2	25.8	38.8

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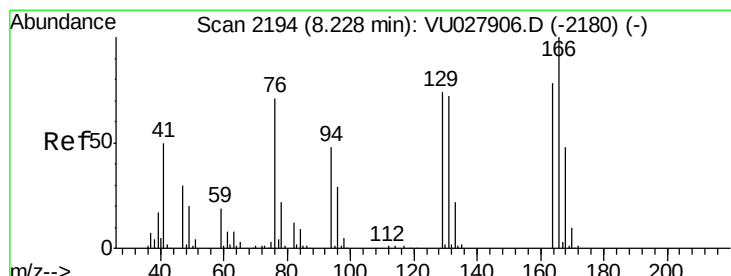
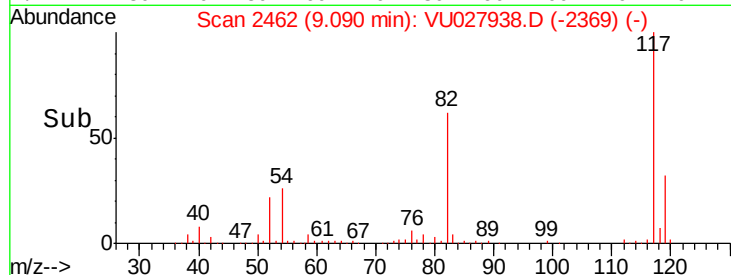
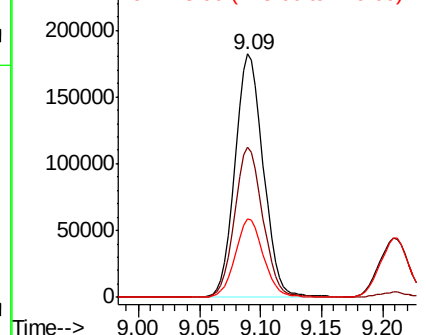


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.118 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.1	153.1
129	93.0	75.9	113.9
131	88.3	73.0	109.6

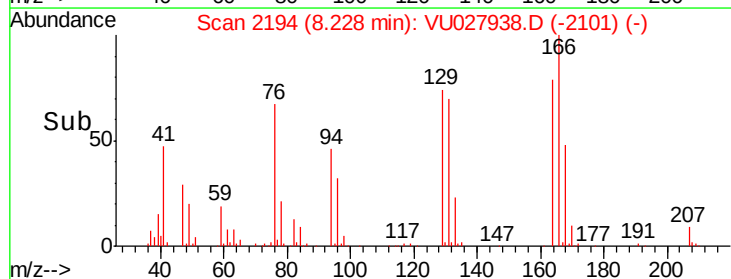
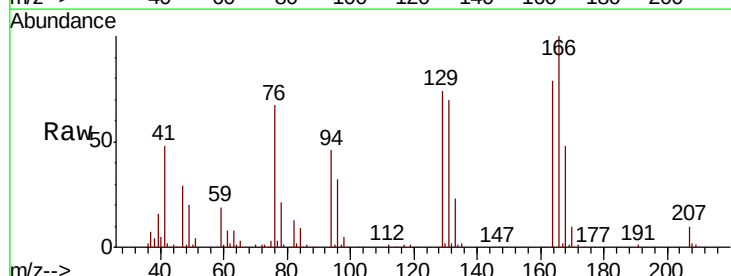
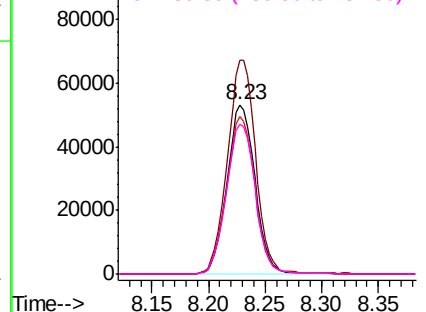
Abundance

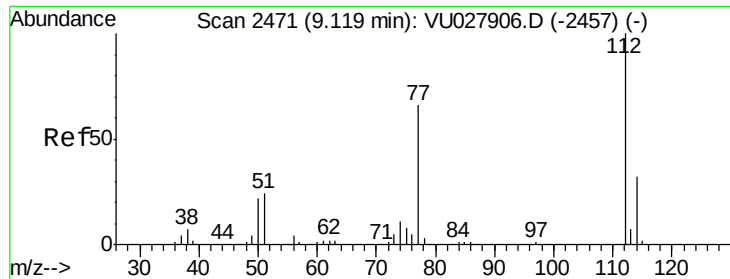
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





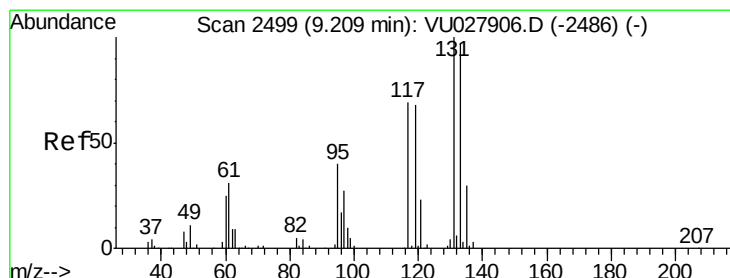
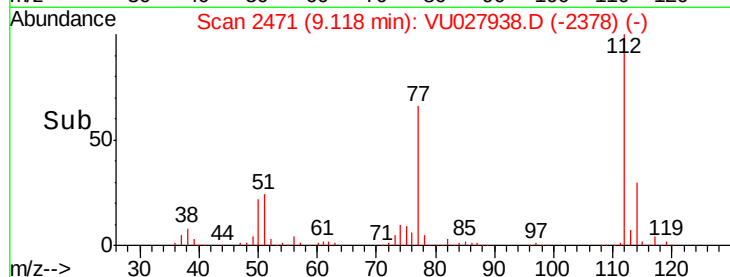
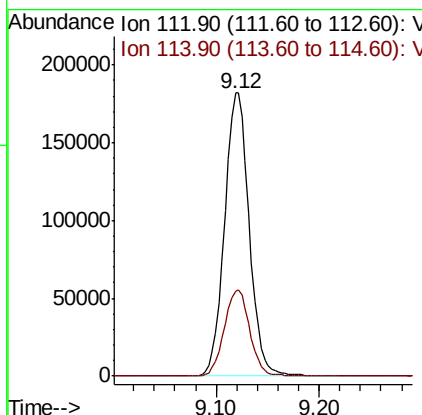
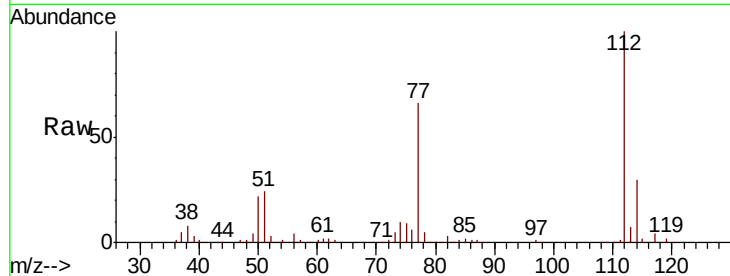
#65
Chlorobenzene
Concen: 48.690 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.2	25.2	37.8

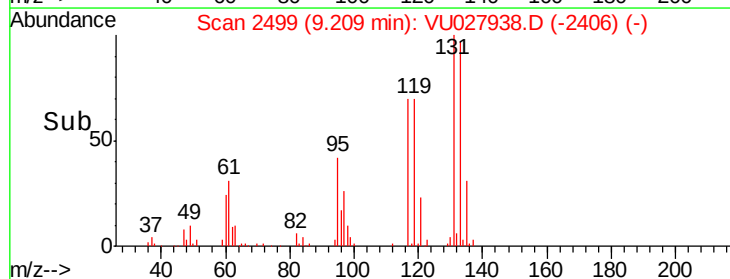
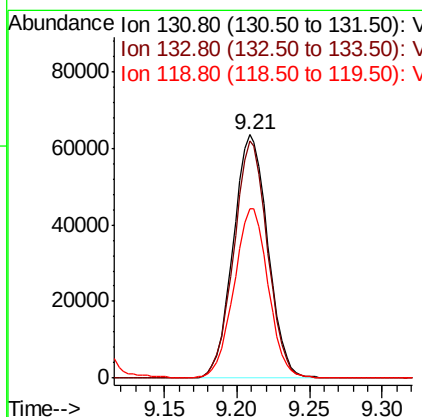
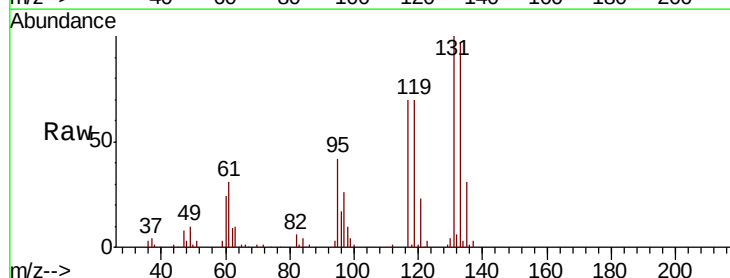
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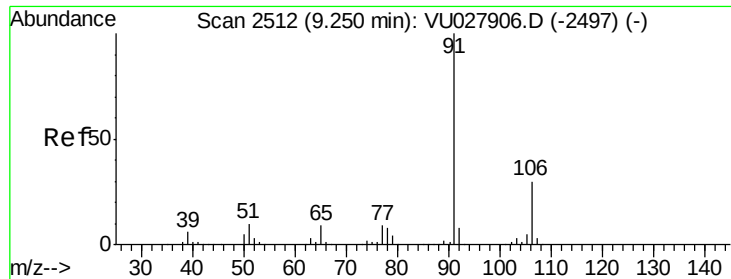
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.539 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.1	144.4
119	68.5	34.0	101.8





#67

Ethyl Benzene

Concen: 49.414 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 566673

Ion Ratio Lower Upper

91 100

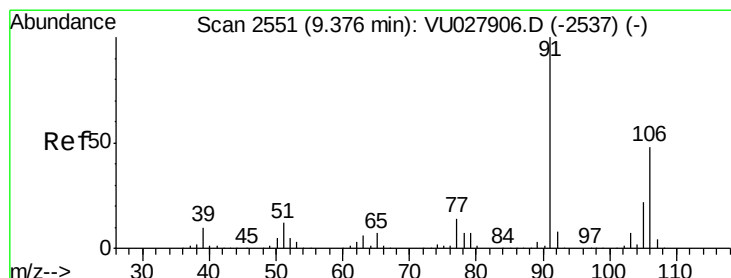
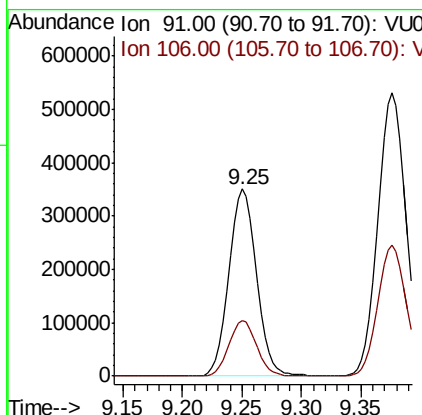
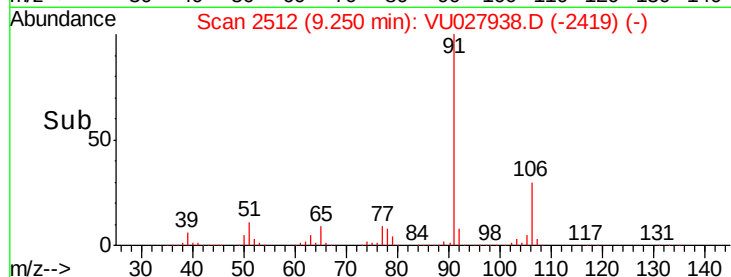
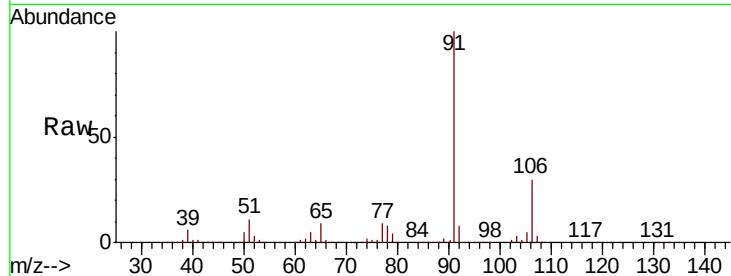
106 29.9 23.6 35.4

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11/5/2018 11:29:25 AM



#68

m/p-Xylenes

Concen: 98.274 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027938.D

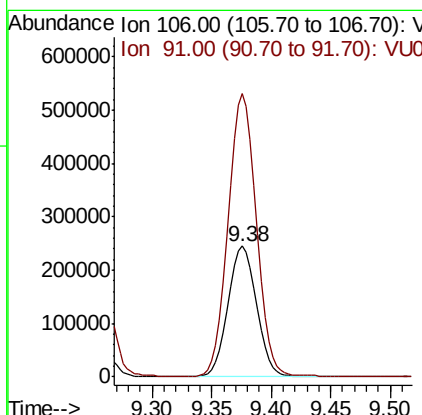
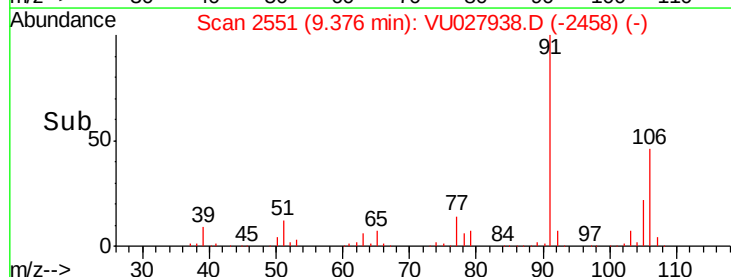
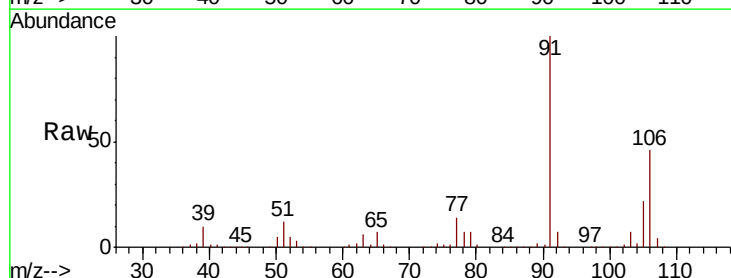
Acq: 02 Nov 2018 19:56

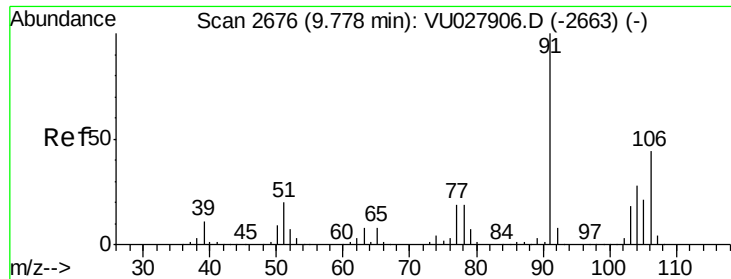
Tgt Ion: 106 Resp: 408916

Ion Ratio Lower Upper

106 100

91 214.1 168.2 252.4





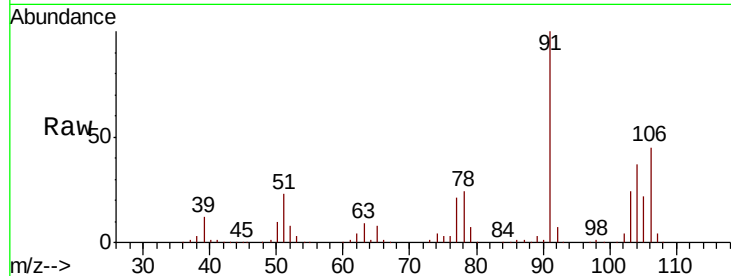
#69
o-Xylene
Concen: 48.560 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

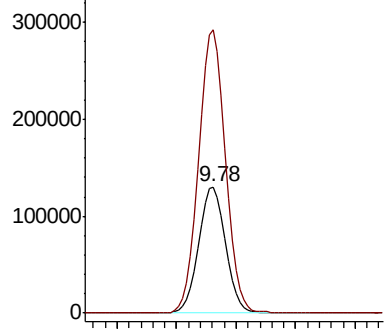
Tot Ion:106 Resp: 204034
Ion Ratio Lower Upper
106 100
91 223.8 111.1 333.4

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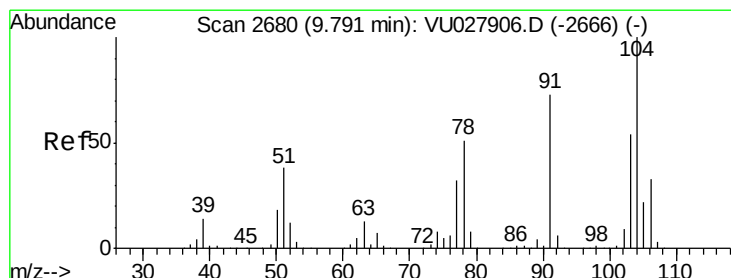
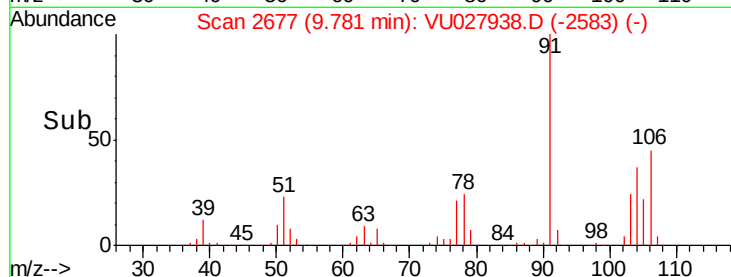
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

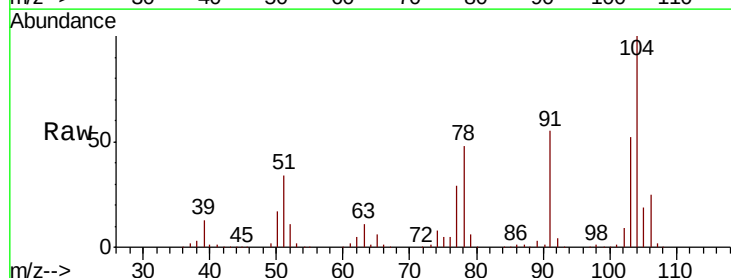


Time-->

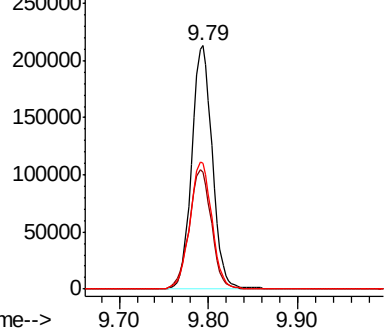


#70
Styrene
Concen: 50.676 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

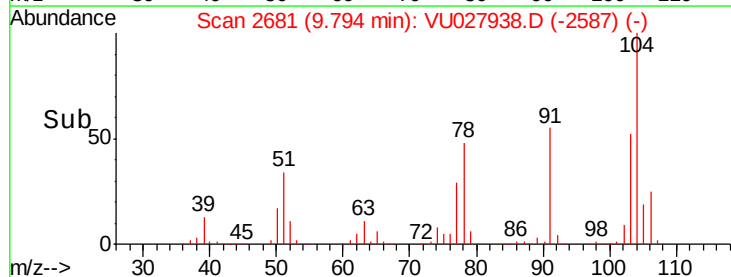
Tgt Ion:104 Resp: 340217
Ion Ratio Lower Upper
104 100
78 53.2 43.0 64.4
103 56.1 45.1 67.7

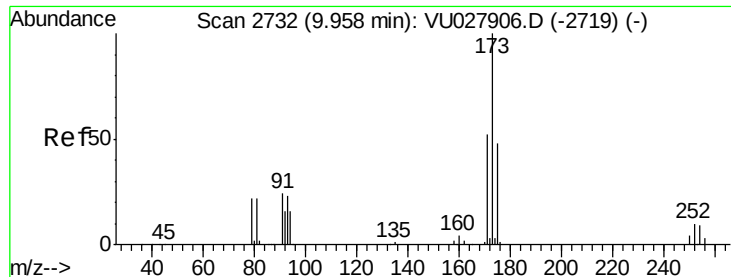


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





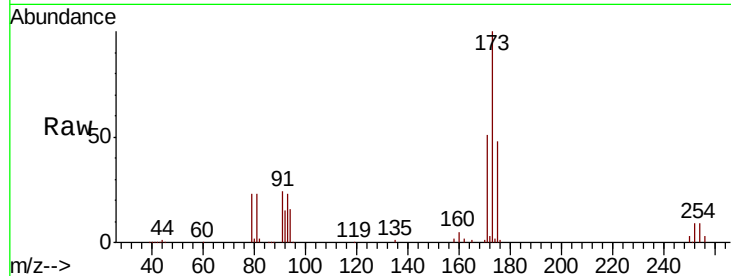
#71
Bromoform
Concen: 50.415 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

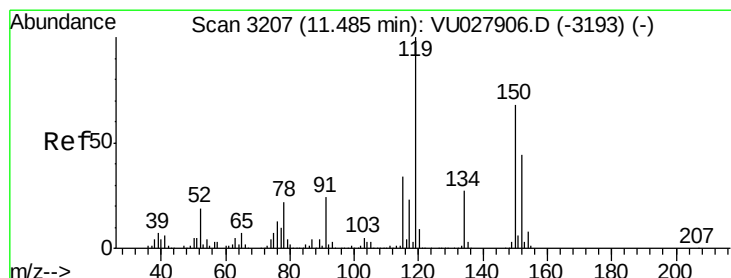
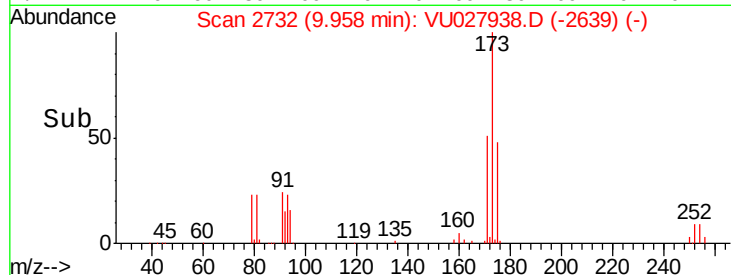
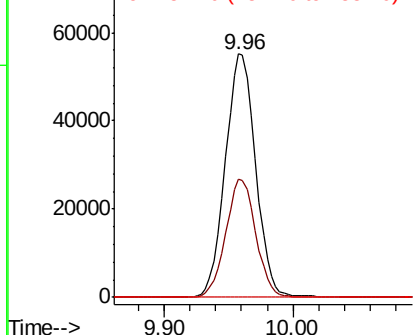
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.3	72.8
254	0.0	0.0	0.0

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11/5/2018 11:29:25 AM

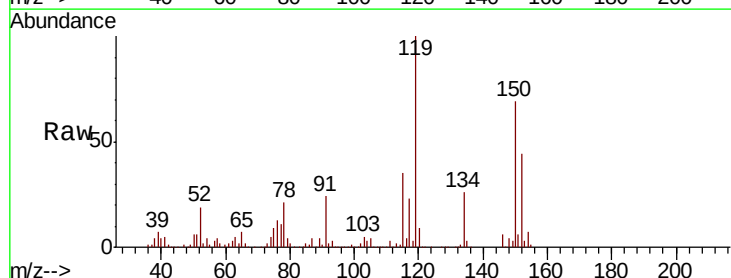


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

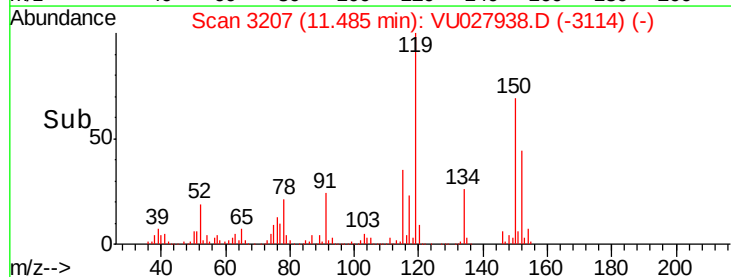
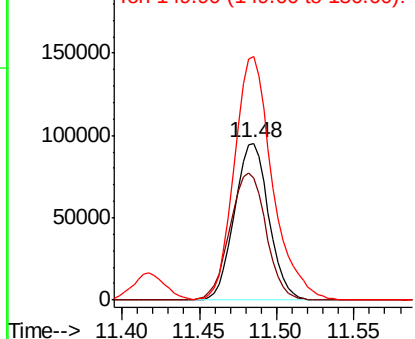


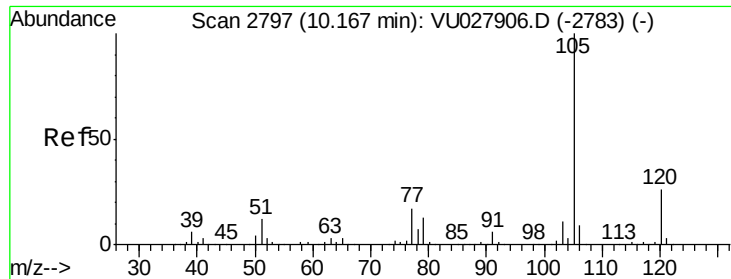
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	85.8	43.0	129.0
150	173.0	0.0	349.4



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: 48.312 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 547639

Ion Ratio Lower Upper

105 100

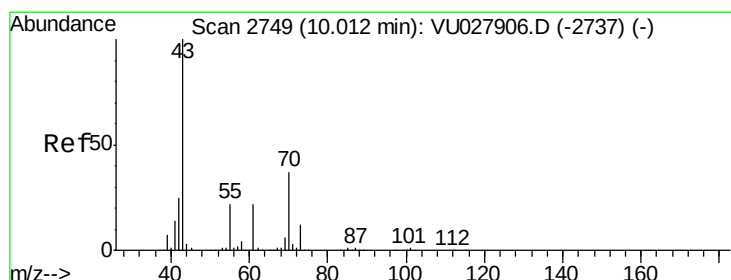
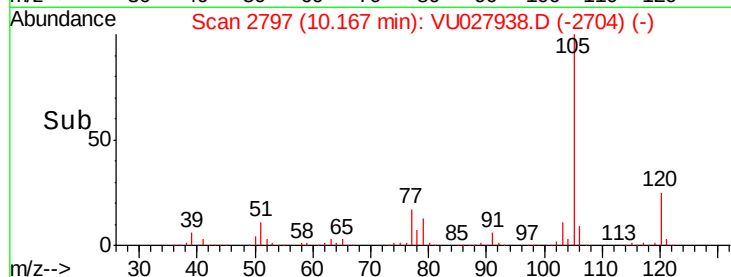
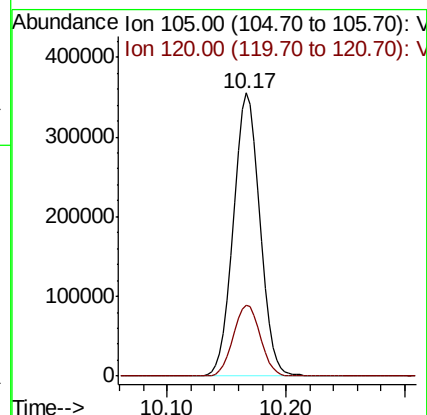
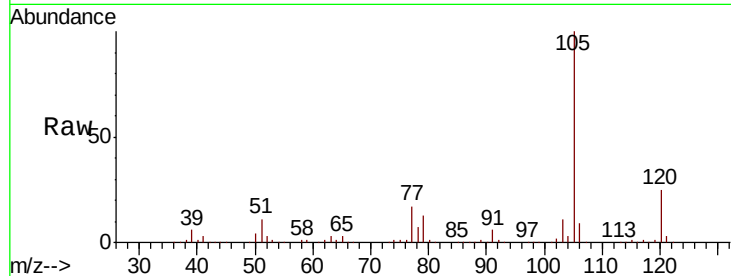
120 25.7 12.7 38.0

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11/5/2018 11:29:25 AM



#74

N-ethyl acetate

Concen: 50.528 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Tgt Ion: 43 Resp: 346337

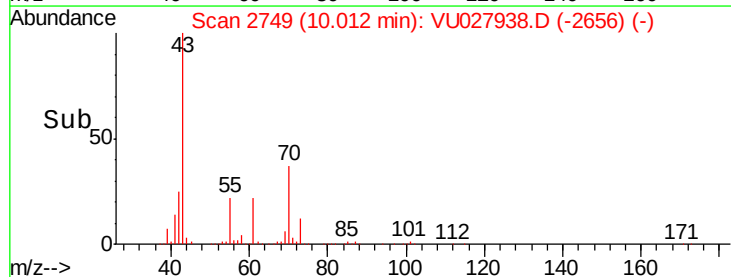
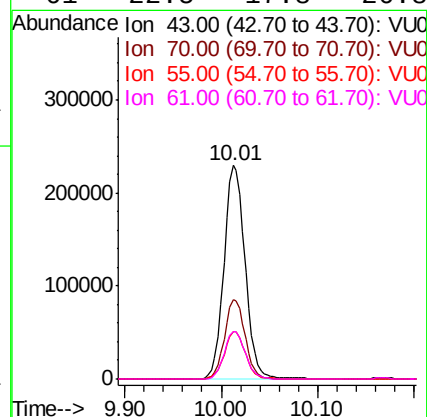
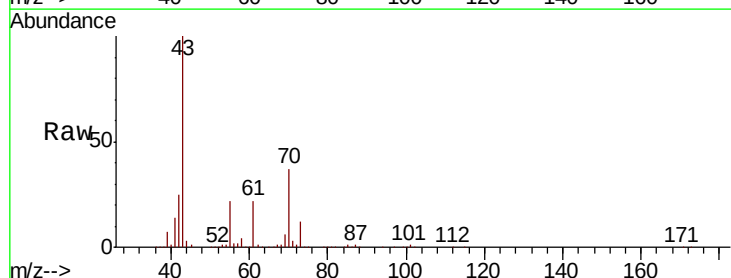
Ion Ratio Lower Upper

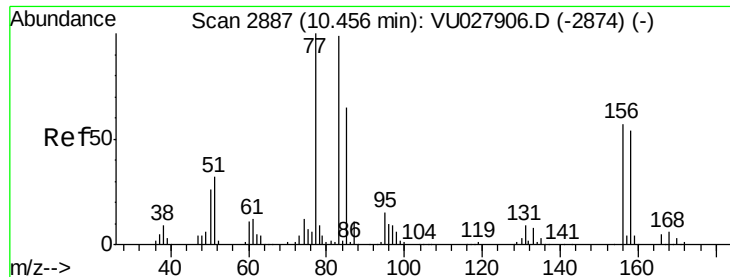
43 100

70 36.5 29.2 43.8

55 22.4 17.8 26.6

61 22.5 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.462 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 221585

Ion Ratio Lower Upper

83 100

131 8.6 4.3 13.1

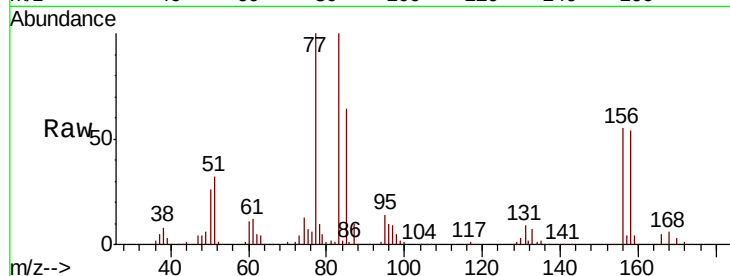
85 63.9 32.4 97.2

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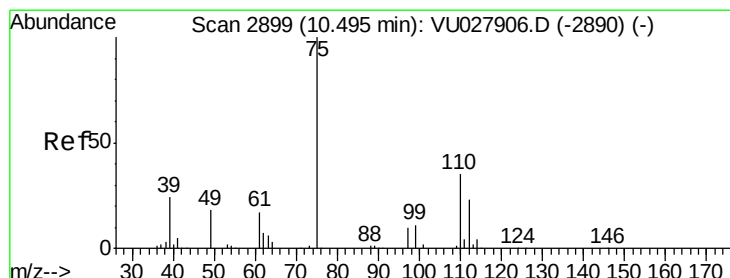
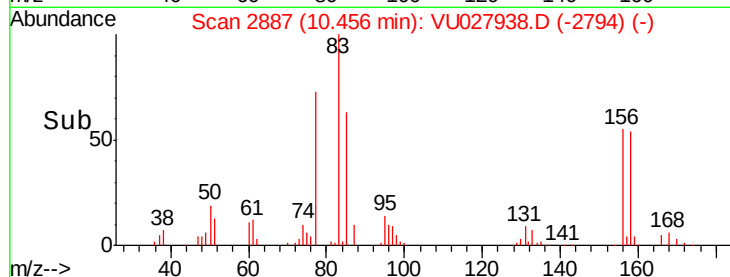
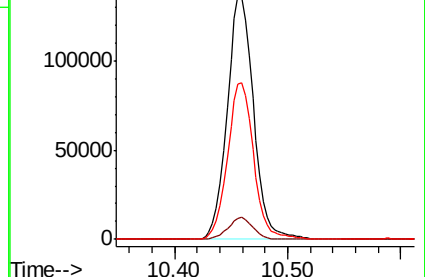
11/5/2018 11:29:25 AM



Abundance Ion 82.90 (82.60 to 83.60): VU027938.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU027938.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU027938.D (-2794) (-)



#76

1,2,3-Trichloropropane

Concen: 46.725 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027938.D

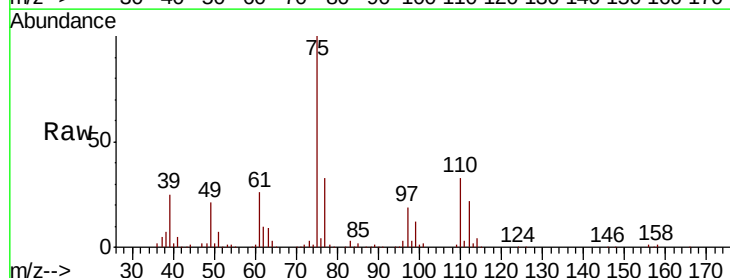
Acq: 02 Nov 2018 19:56

Tgt Ion: 75 Resp: 187008

Ion Ratio Lower Upper

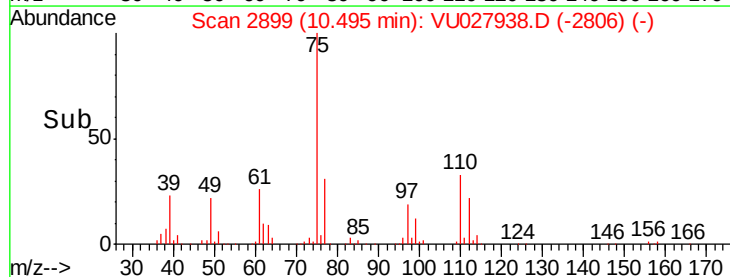
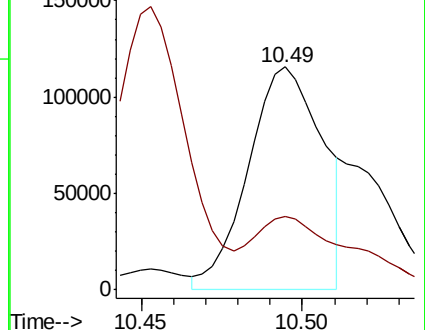
75 100

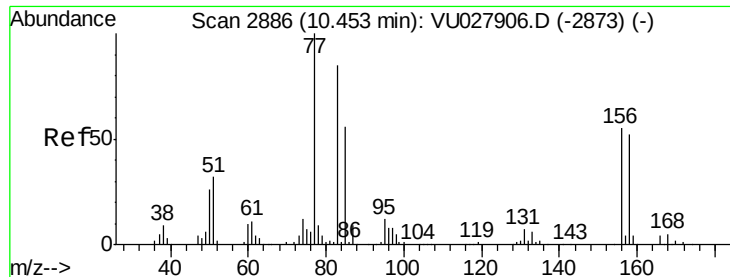
77 44.6 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027938.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027938.D (-2806) (-)





#77

Bromobenzene

Concen: 49.198 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

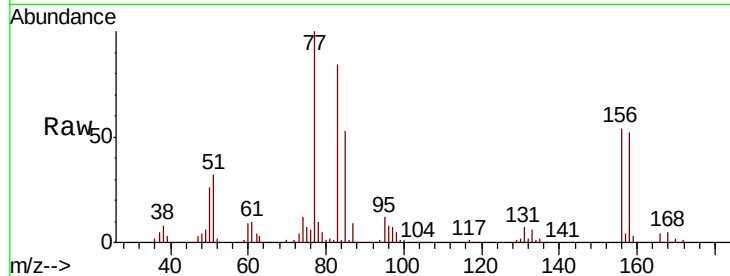
ClientSampleId :

VSTDCCC050EC

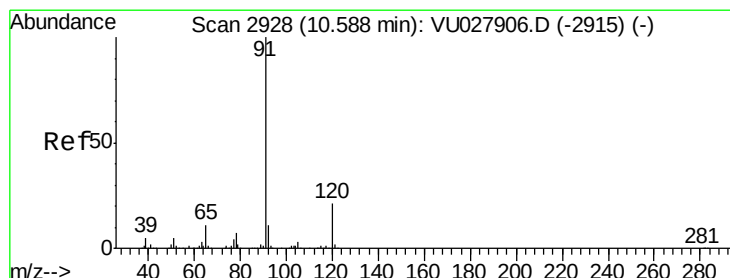
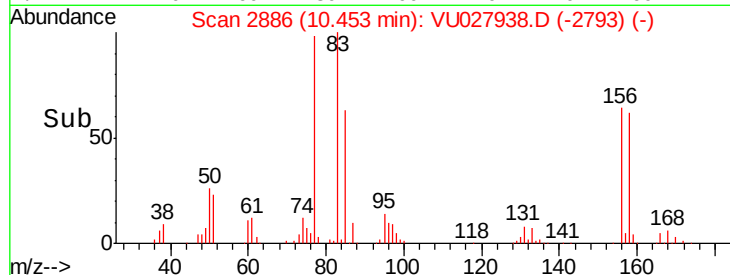
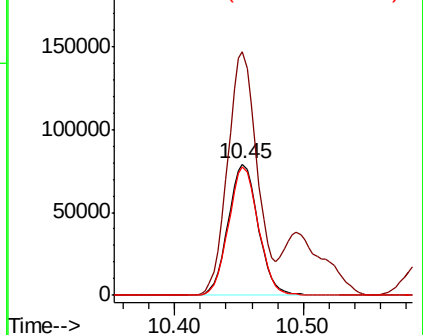
Tot Ion:	156	Resp:	127878
Ion Ratio	Lower	Upper	
156	100		
77	182.5	91.8	275.6
158	97.2	48.4	145.2

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VU0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.189 ug/l

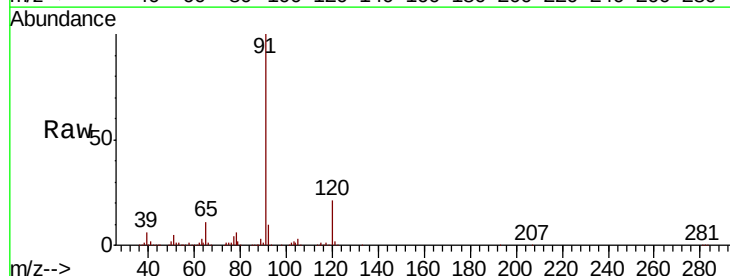
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

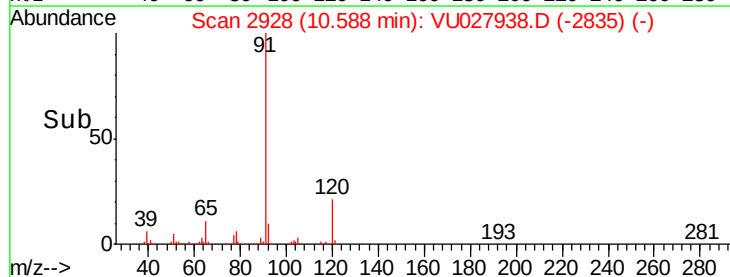
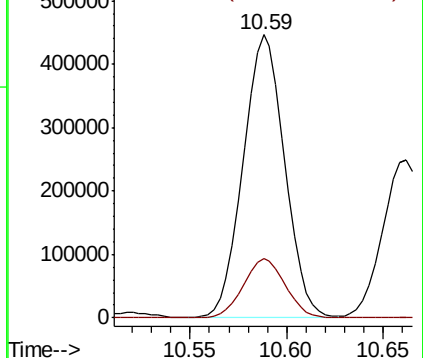
Lab File: VU027938.D

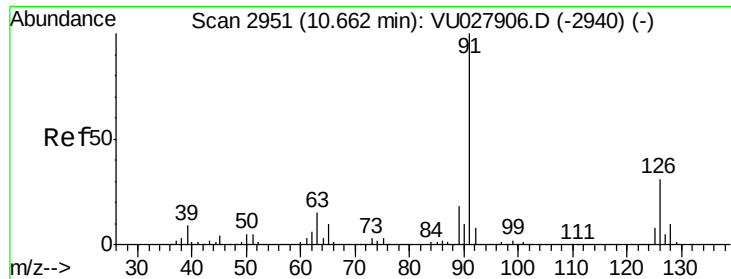
Acq: 02 Nov 2018 19:56

Tgt Ion:	91	Resp:	667420
Ion Ratio	Lower	Upper	
91	100		
120	21.1	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.626 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 395472

Ion Ratio Lower Upper

91 100

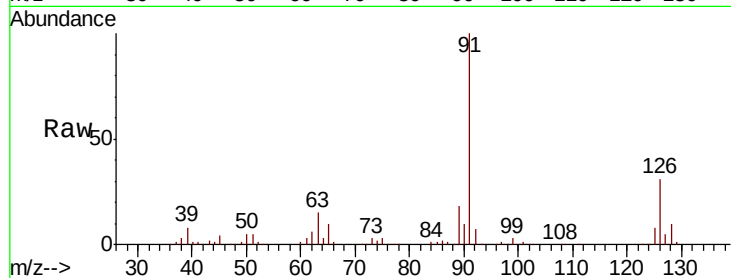
126 31.0 16.0 47.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027906.D (-2940) (-)

500000

400000

300000

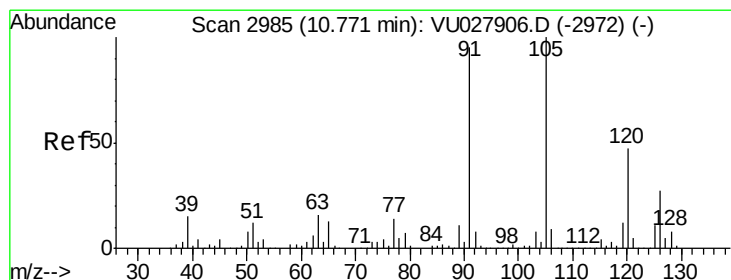
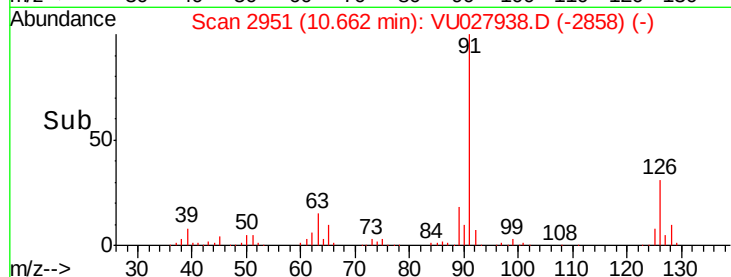
200000

100000

0

10.60 10.65 10.70 10.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.837 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027938.D

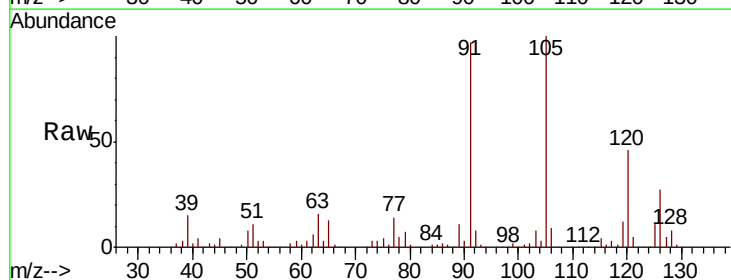
Acq: 02 Nov 2018 19:56

Tgt Ion: 105 Resp: 458586

Ion Ratio Lower Upper

105 100

120 47.3 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027906.D (-2972) (-)

300000

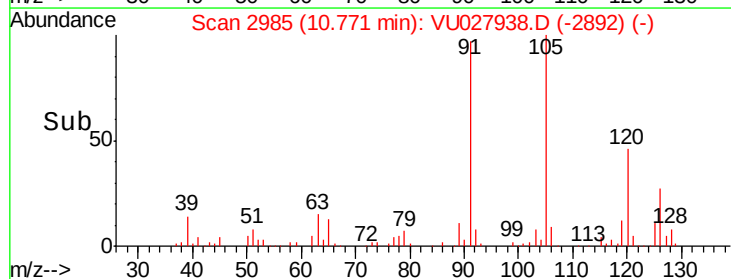
200000

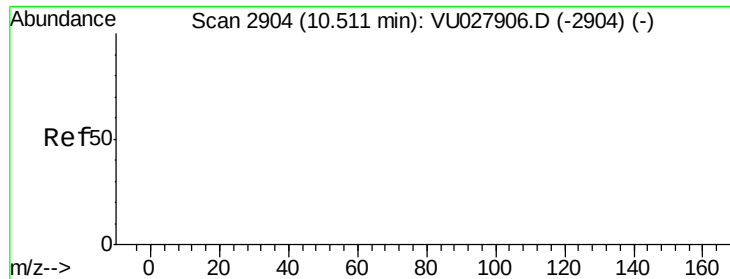
100000

0

10.70 10.75 10.80 10.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 37.985 ug/l

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

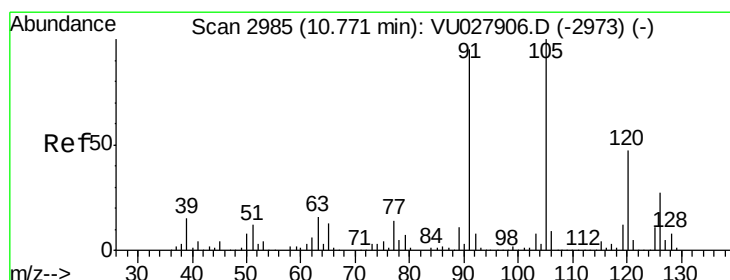
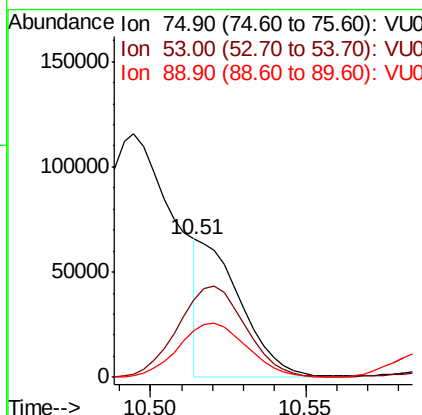
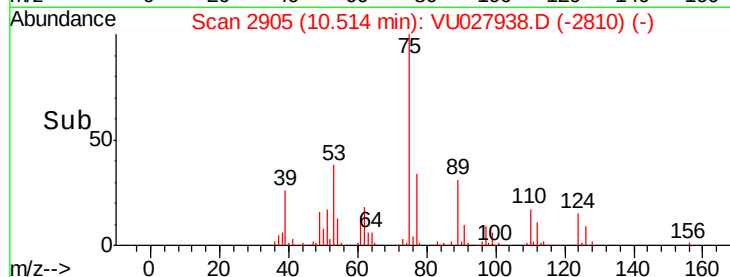
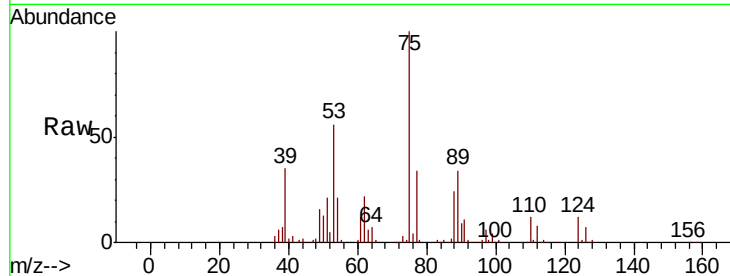
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

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

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#82

4-Chlorotoluene

Concen: 48.611 ug/l

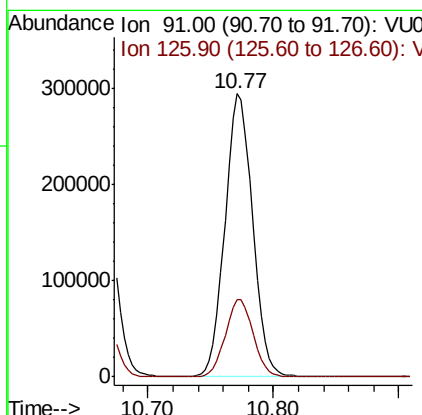
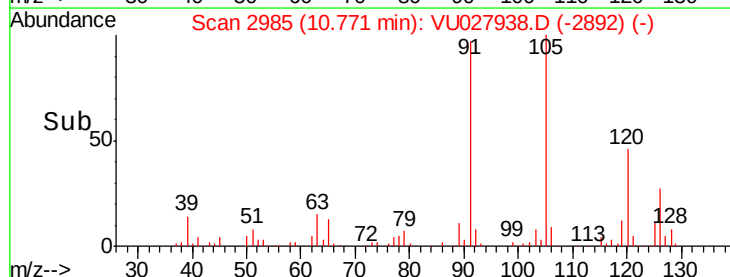
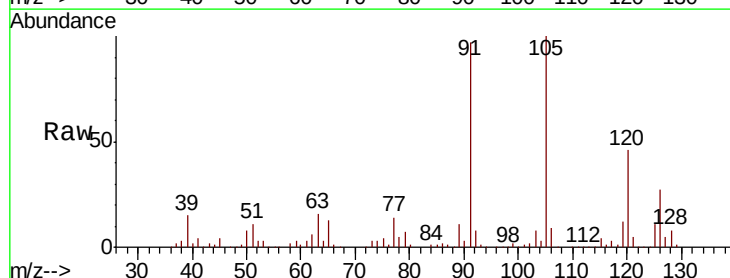
RT: 10.77 min Scan# 2985

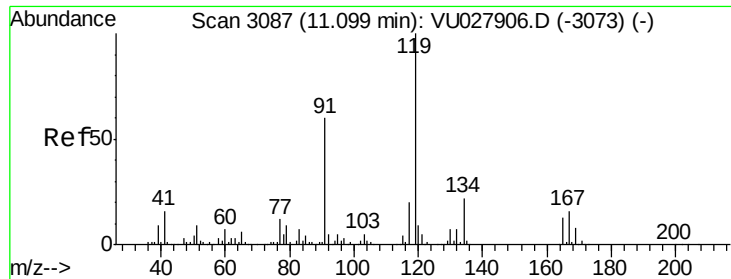
Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.2	42.6





#83

tert-Butylbenzene

Concen: 47.386 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

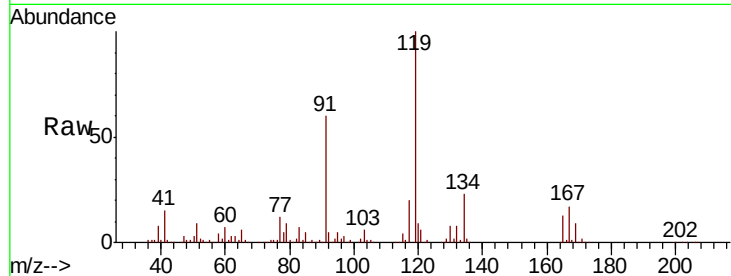
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	444836
Ion Ratio	Lower	Upper	
119	100		
91	60.4	29.8	89.3
134	22.3	11.1	33.1

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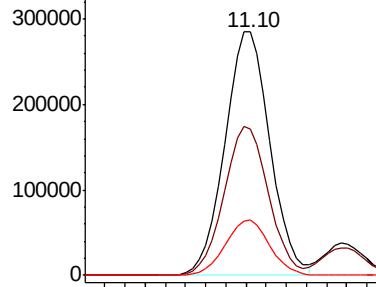
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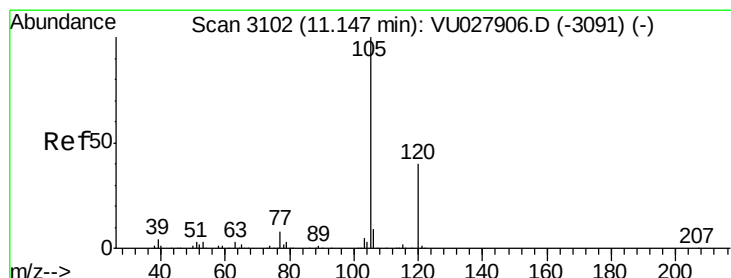
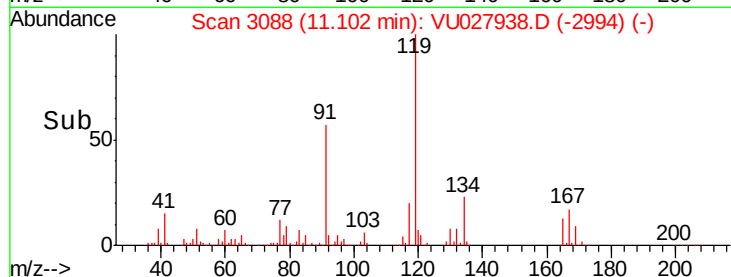
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 50.311 ug/l

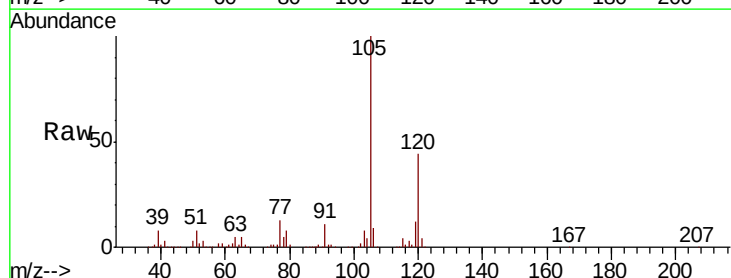
RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU027938.D

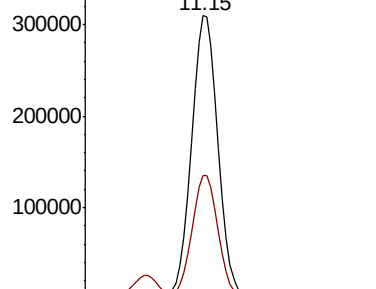
Acq: 02 Nov 2018 19:56

Tgt Ion:	105	Resp:	475717
Ion Ratio	Lower	Upper	
105	100		
120	43.4	22.1	66.1

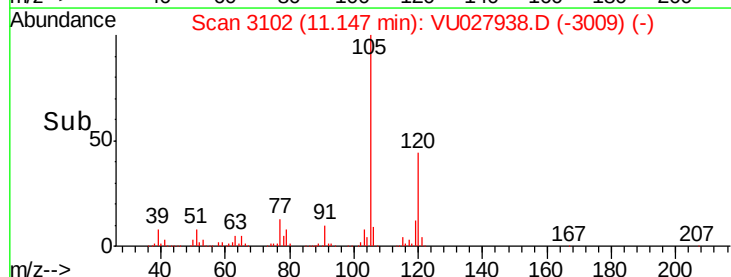


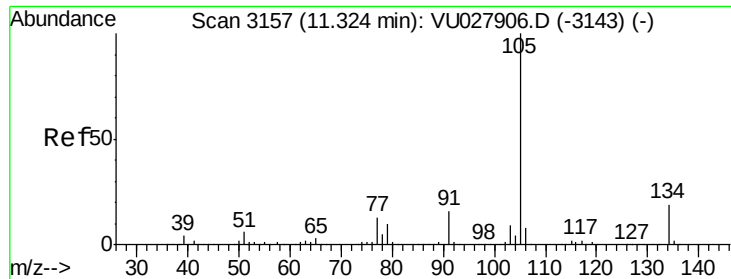
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#85

sec-Butylbenzene

Concen: 49.259 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 562369

Ion Ratio Lower Upper

105 100

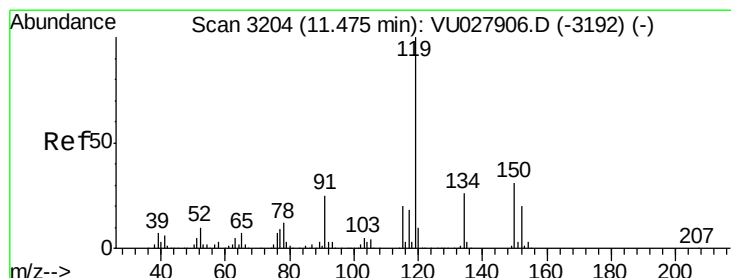
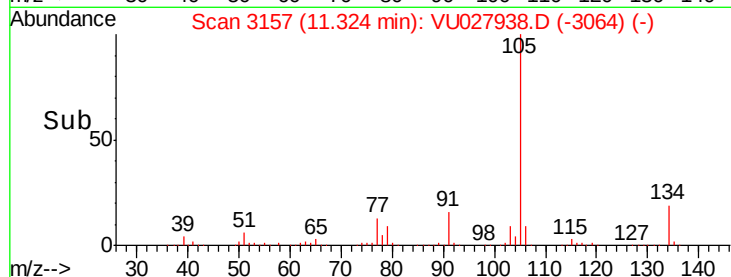
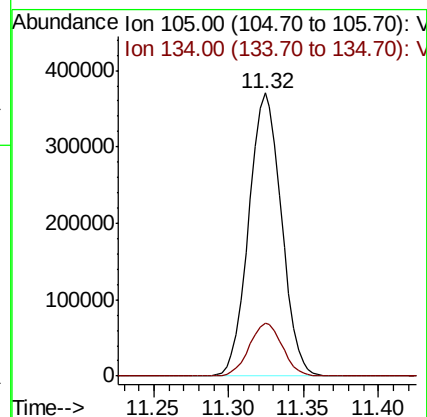
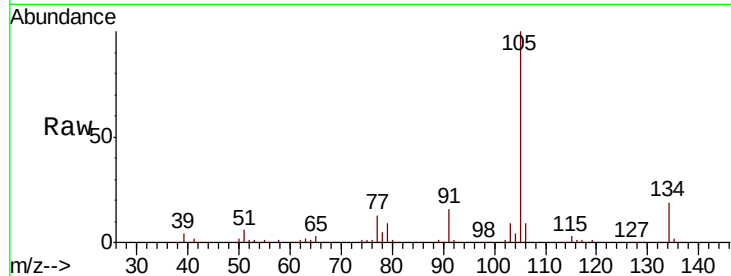
134 18.9 9.2 27.6

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#86

p-Isopropyltoluene

Concen: 50.284 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027938.D

Acq: 02 Nov 2018 19:56

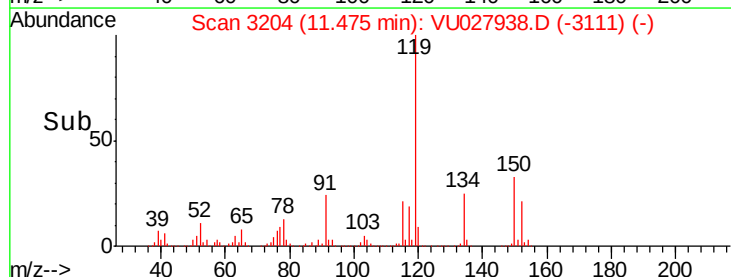
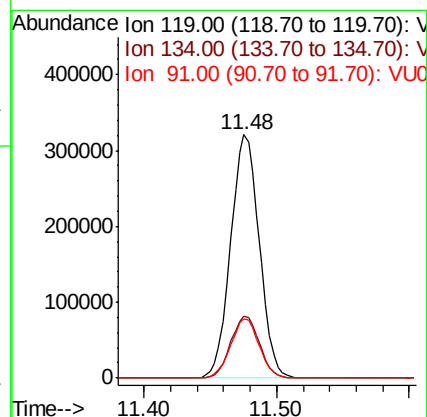
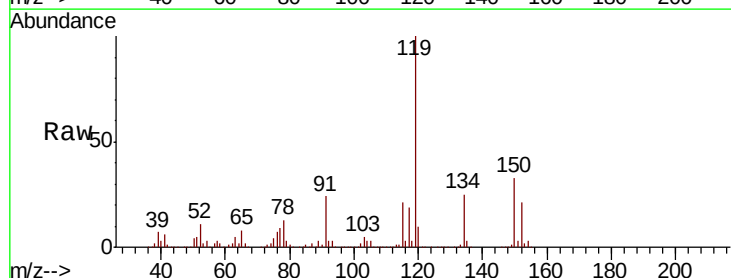
Tgt Ion:119 Resp: 479912

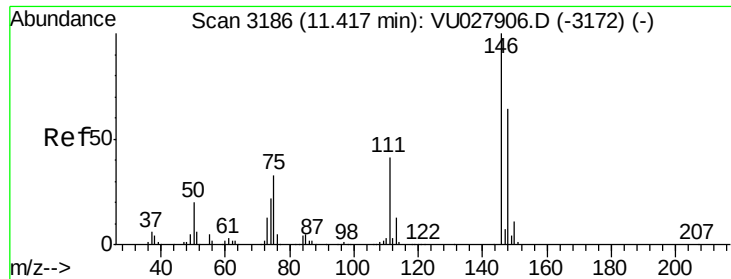
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 24.4 12.4 37.2





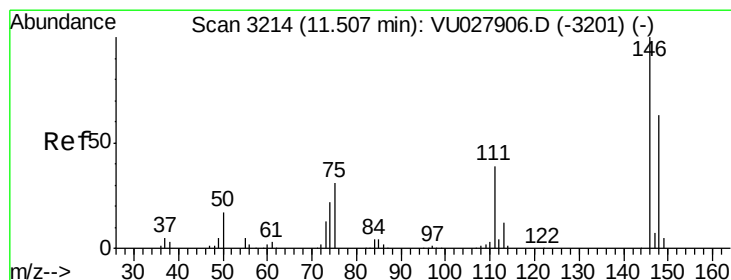
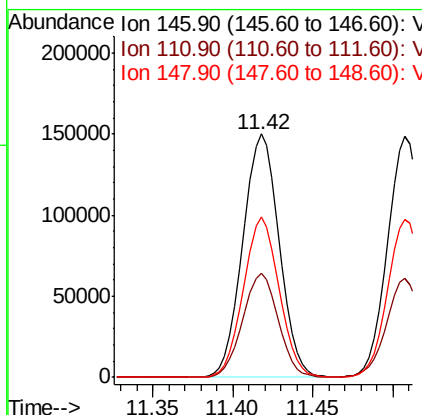
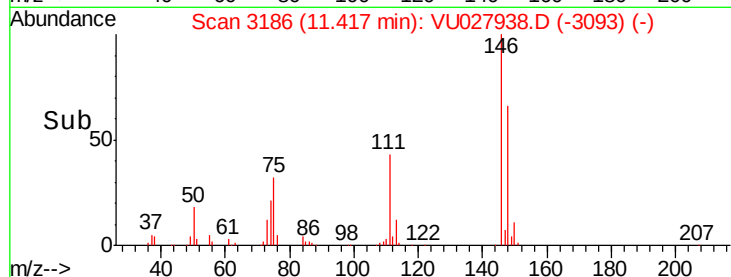
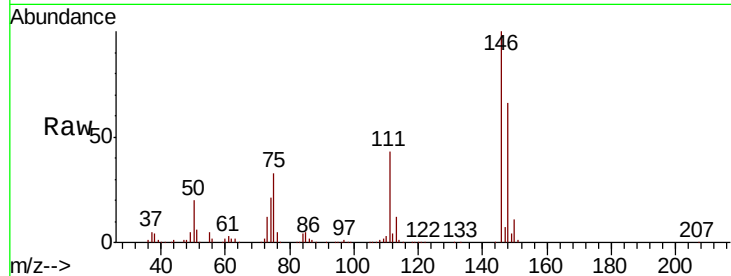
#87
 1,3-Dichlorobenzene
 Concen: 48.435 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	61.0
148	64.6	31.8	95.4

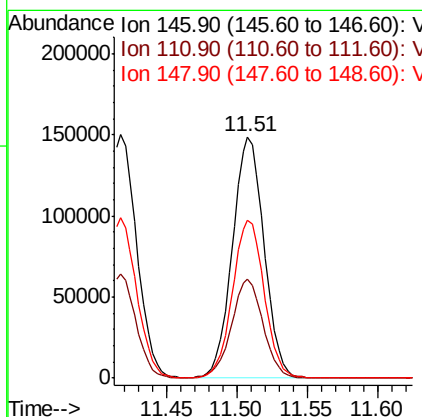
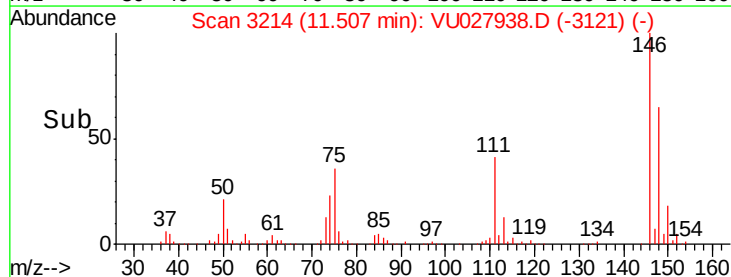
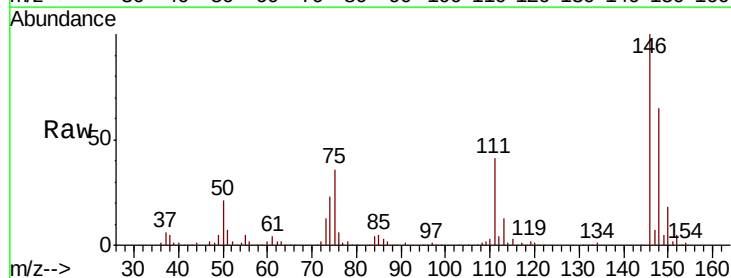
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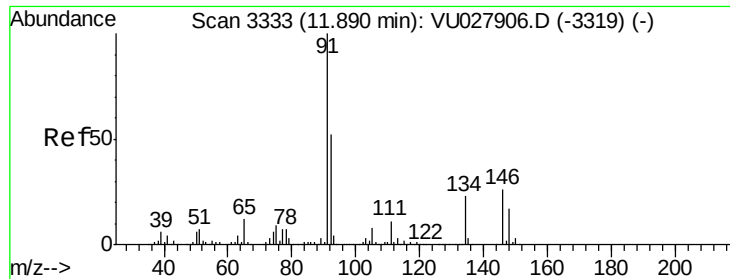
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#88
 1,4-Dichlorobenzene
 Concen: 47.342 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	60.9
148	66.0	32.0	96.2





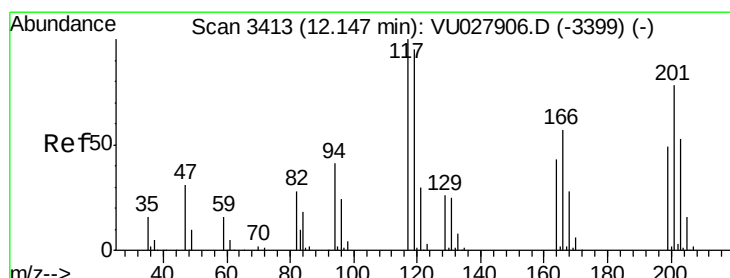
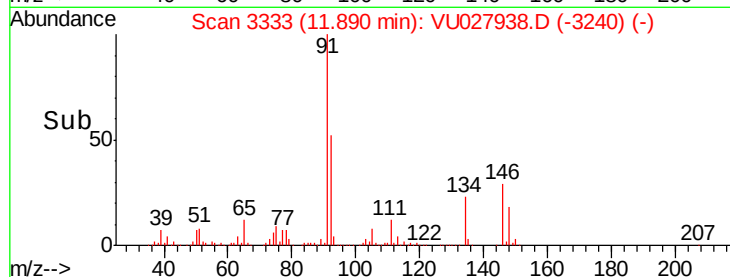
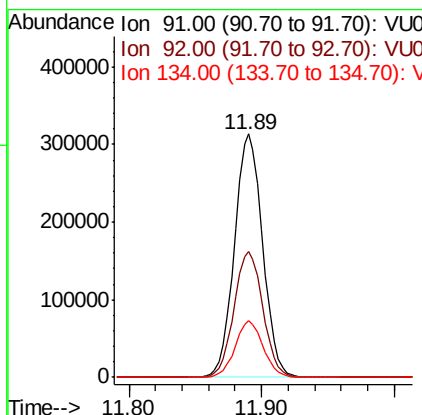
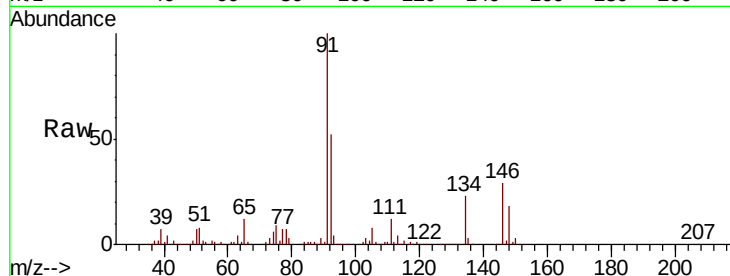
#89
n-Butylbenzene
Concen: 50.803 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.2	78.5
134	23.1	11.5	34.5

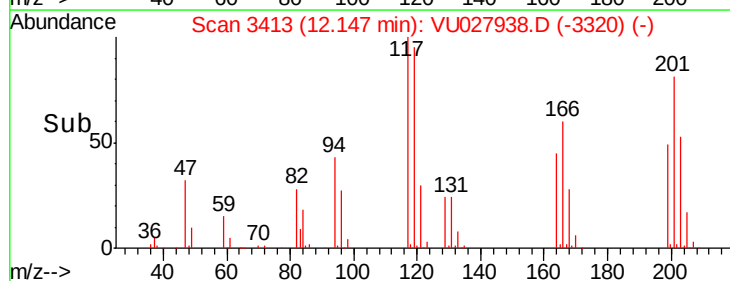
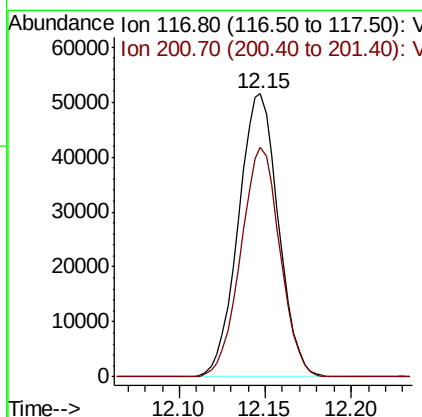
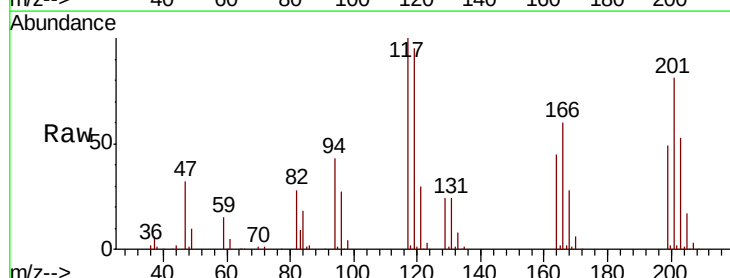
Manual Integrations
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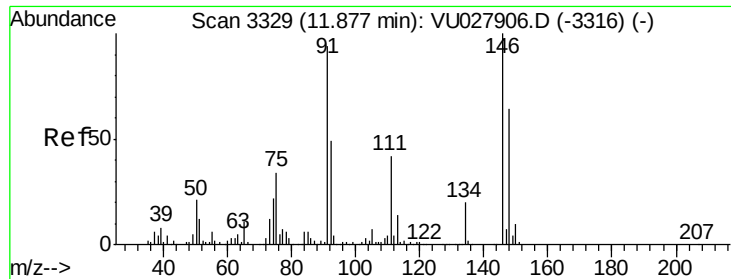
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#90
Hexachloroethane
Concen: 49.002 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.4	38.5	115.5





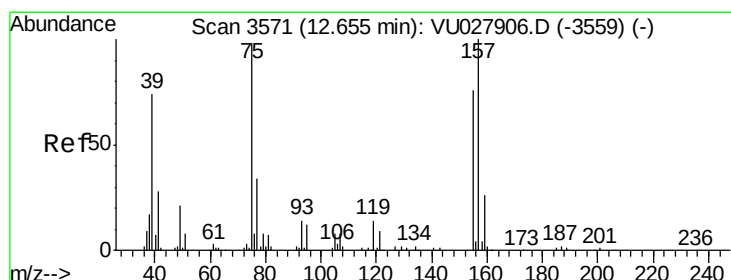
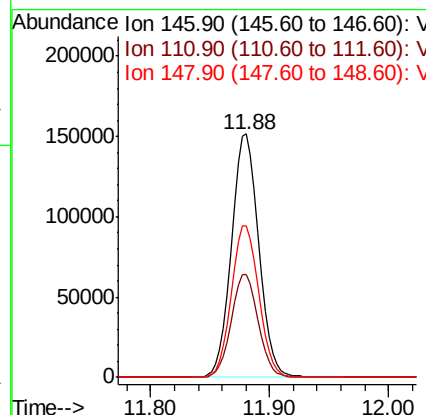
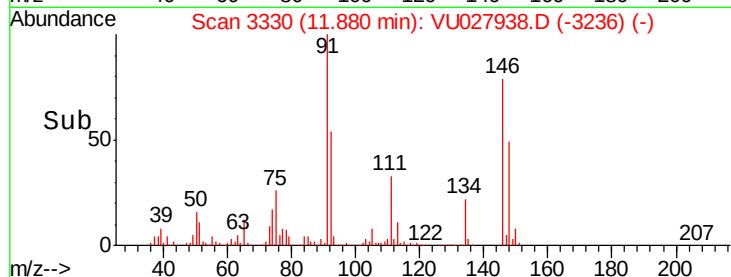
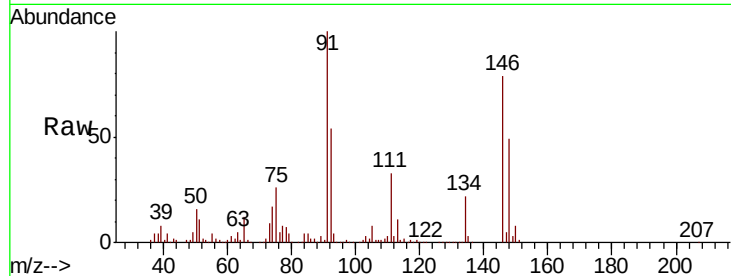
#91
 1,2-Dichlorobenzene
 Concen: 49.805 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.3	64.0
148	62.8	31.8	95.3

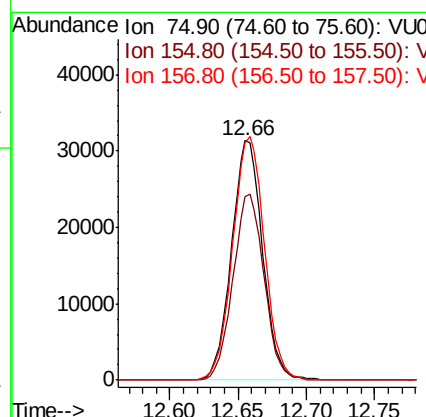
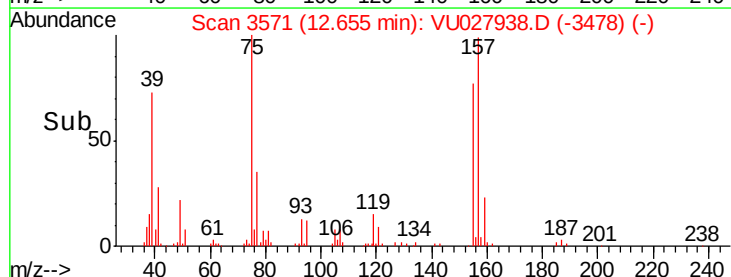
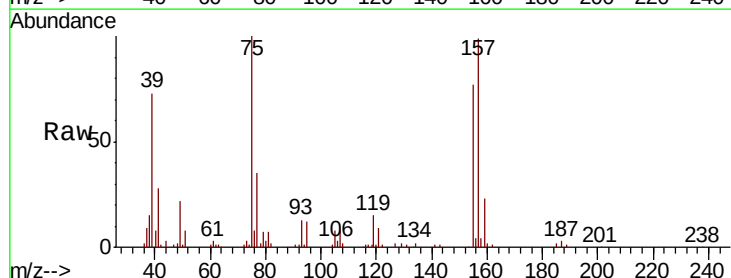
Manual Integrations
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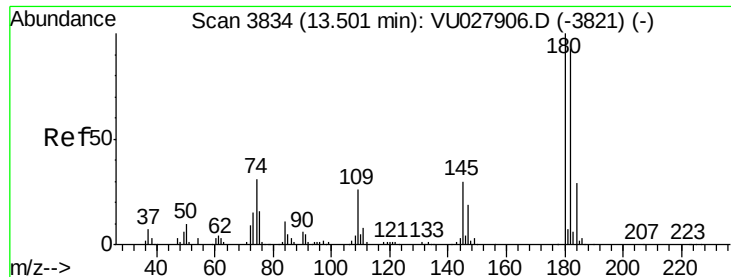
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 11/5/2018 11:29:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.561 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	39.8	119.3
157	103.3	50.6	151.9





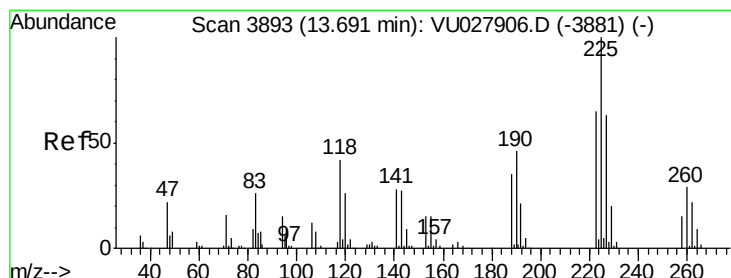
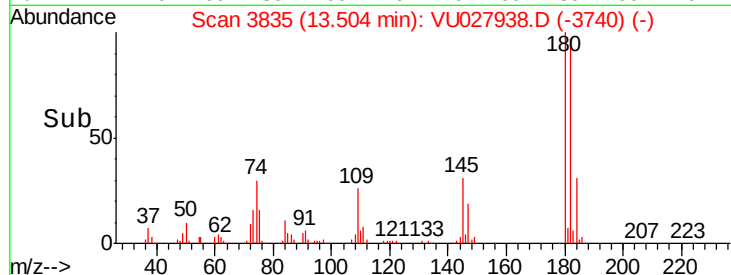
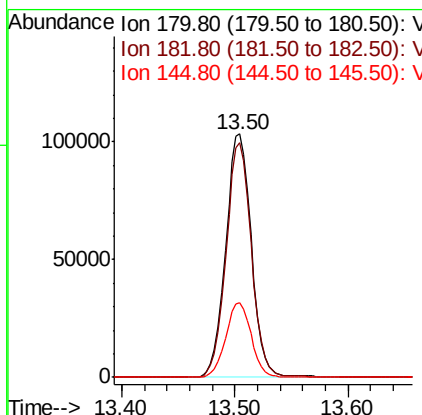
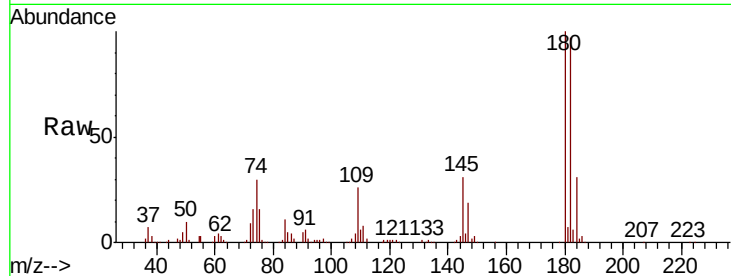
#93
 1,2,4-Trichlorobenzene
 Concen: 48.171 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.4	145.2
145	30.6	14.9	44.5

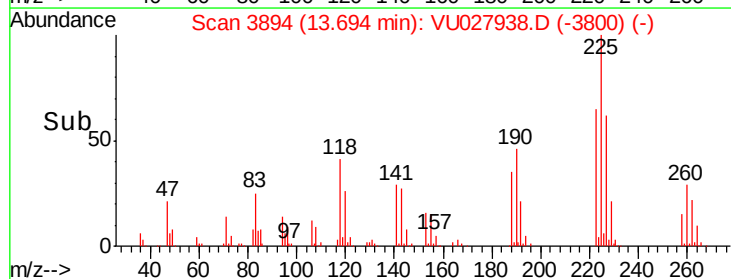
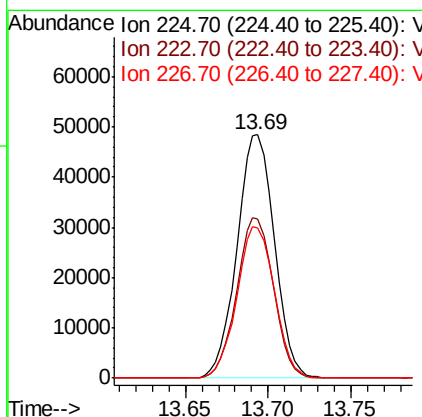
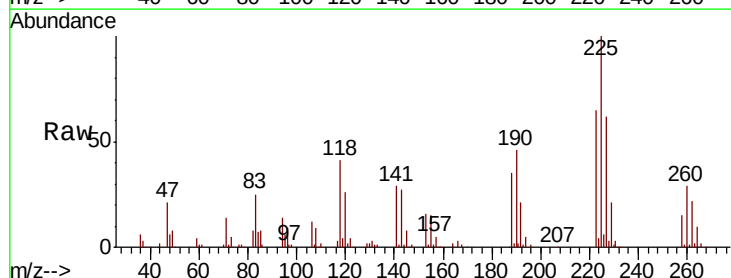
Manual Integrations
 APPROVED

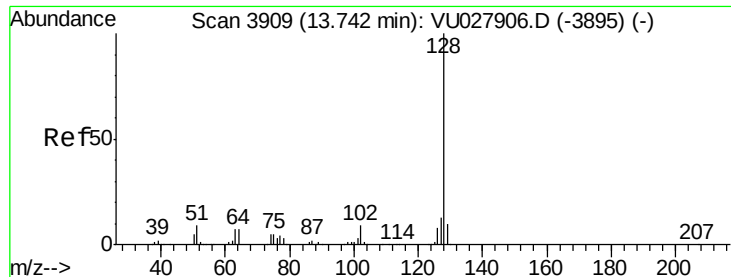
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#94
 Hexachlorobutadiene
 Concen: 49.657 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027938.D
 Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	32.2	96.6
227	62.4	32.5	97.4





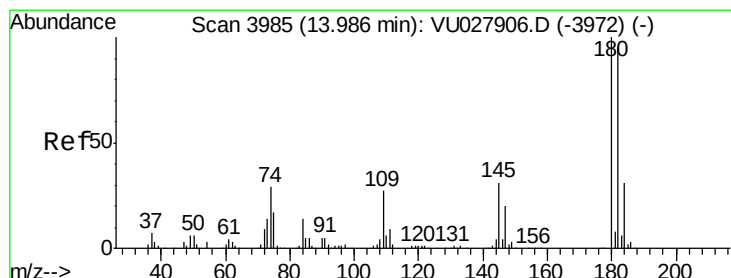
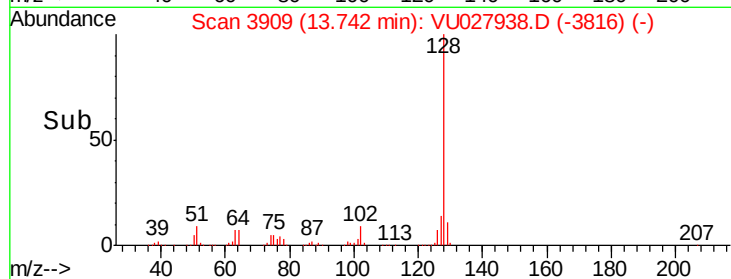
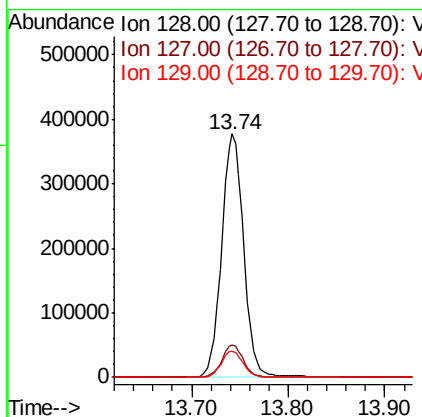
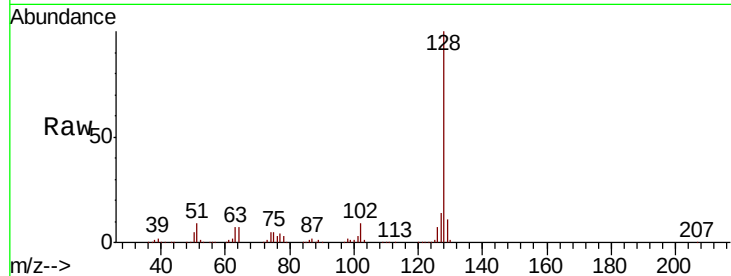
#95
Naphthalene
Concen: 49.586 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.3	12.5

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 52.156 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027938.D
Acq: 02 Nov 2018 19:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.4	142.3
145	31.6	16.0	47.9

