

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027908.D
 Acq On : 01 Nov 2018 20:22
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:00:21 AM

Quant Time: Nov 02 01:10:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 01:48:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	187128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	322794	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	315259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	167639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	402581	130.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	260.12%	
35) Dibromofluoromethane	4.88	113	306338	139.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.20%	
50) Toluene-d8	7.57	98	1179552	144.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.04%	
62) 4-Bromofluorobenzene	10.31	95	475436	155.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	373649	141.535	ug/l	99
3) Chloromethane	1.33	50	438324	124.360	ug/l	99
4) Vinyl Chloride	1.40	62	432783	129.690	ug/l	100
5) Bromomethane	1.60	94	244596	170.115	ug/l	97
6) Chloroethane	1.67	64	242450	120.491	ug/l	100
7) Trichlorofluoromethane	1.87	101	489315	141.082	ug/l	96
8) Diethyl Ether	2.10	74	204886	129.984	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	289256	143.175	ug/l	99
10) Methyl Iodide	2.40	142	307542	206.847	ug/l	98
11) Tert butyl alcohol	2.85	59	531667	780.249	ug/l	99
12) 1,1-Dichloroethene	2.28	96	283067	143.367	ug/l	97
13) Acrolein	2.20	56	198062	398.829	ug/l	99
14) Allyl chloride	2.59	41	755431	161.232	ug/l	90
15) Acrylonitrile	2.94	53	1343829	771.244	ug/l	99
16) Acetone	2.32	43	1126628	618.530	ug/l	99
17) Carbon Disulfide	2.47	76	977656	138.562	ug/l	100
18) Methyl Acetate	2.62	43	654896	151.769	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	1152028	145.055	ug/l	99
20) Methylene Chloride	2.70	84	357552	138.632	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	322686	144.438	ug/l	96
22) Diisopropyl ether	3.58	45	1444241	150.204	ug/l	95
23) Vinyl Acetate	3.53	43	6410418	763.832	ug/l	100
24) 1,1-Dichloroethane	3.44	63	701751	143.077	ug/l	99
25) 2-Butanone	4.27	43	2000867	779.945	ug/l	99
26) 2,2-Dichloropropane	4.22	77	515475	129.831	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	379129	147.879	ug/l	99
28) Bromochloromethane	4.55	49	325996	139.987	ug/l	99
29) Tetrahydrofuran	4.64	42	1308156	802.487	ug/l	99
30) Chloroform	4.67	83	637252	145.608	ug/l	97
31) Cyclohexane	5.00	56	701177	122.536	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	538626	146.700	ug/l	99
36) 1,1-Dichloropropene	5.13	75	501597	144.023	ug/l	100
37) Ethyl Acetate	4.38	43	723241	156.657	ug/l	99
38) Carbon Tetrachloride	5.13	117	447084	142.196	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	624617	152.997	ug/l	99
40) Benzene	5.39	78	1524280	148.222	ug/l	100
41) Methacrylonitrile	4.54	41	410180	157.590	ug/l	99
42) 1,2-Dichloroethane	5.40	62	524620	139.072	ug/l	99
43) Isopropyl Acetate	5.55	43	1168330	163.442	ug/l	99
44) Trichloroethene	6.19	130	337520	148.456	ug/l	100
45) 1,2-Dichloropropane	6.43	63	442350	149.727	ug/l	97
46) Dibromomethane	6.56	93	257961	154.518	ug/l	99
47) Bromodichloromethane	6.76	83	512603	149.163	ug/l	99
48) Methyl methacrylate	6.62	41	595690	167.424	ug/l	99
49) 1,4-Dioxane	6.62	88	191851	3162.048	ug/l	98
51) 4-Methyl-2-Pentanone	7.47	43	3972477	850.023	ug/l	99
52) Toluene	7.64	92	919002	151.801	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	625153	155.418	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	651668	150.578	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	374704	156.091	ug/l	97
56) Ethyl methacrylate	8.02	69	713395	177.013	ug/l	99
57) 1,3-Dichloropropane	8.24	76	681772	146.836	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	1857362	841.763	ug/l	100
59) 2-Hexanone	8.37	43	3175173	874.009	ug/l	99
60) Dibromochloromethane	8.48	129	390678	161.990	ug/l	99
61) 1,2-Dibromoethane	8.59	107	409860	158.975	ug/l	98
64) Tetrachloroethene	8.23	164	290845	148.218	ug/l	99
65) Chlorobenzene	9.12	112	984850	147.998	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	347809	151.707	ug/l	100
67) Ethyl Benzene	9.25	91	1836823	155.518	ug/l	99
68) m/p-Xylenes	9.38	106	1348663	313.155	ug/l	99
69) o-Xylene	9.78	106	669857	162.920	ug/l	100
70) Styrene	9.79	104	1143902	169.335	ug/l	99
71) Bromoform	9.96	173	324761	174.256	ug/l #	100
73) Isopropylbenzene	10.17	105	1801185	147.767	ug/l	99
74) N-amyl acetate	10.02	43	1154263	162.152	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	727042	149.620	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	641868m	147.679	ug/l	
77) Bromobenzene	10.45	156	433589	151.533	ug/l	99
78) n-propylbenzene	10.59	91	2249706	153.431	ug/l	100
79) 2-Chlorotoluene	10.66	91	1298800	146.691	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	1550343	155.234	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	280060m	166.499	ug/l	
82) 4-Chlorotoluene	10.77	91	1540966	153.816	ug/l	100
83) tert-Butylbenzene	11.10	119	1515325	156.976	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	1582855	155.729	ug/l	100
85) sec-Butylbenzene	11.32	105	1925126	158.467	ug/l	100
86) p-Isopropyltoluene	11.48	119	1640077	158.493	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	817255	151.924	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	819404	149.170	ug/l	99
89) n-Butylbenzene	11.89	91	1665061	171.411	ug/l	99
90) Hexachloroethane	12.15	117	302763	155.640	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	813059	154.451	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	169723	158.962	ug/l	98

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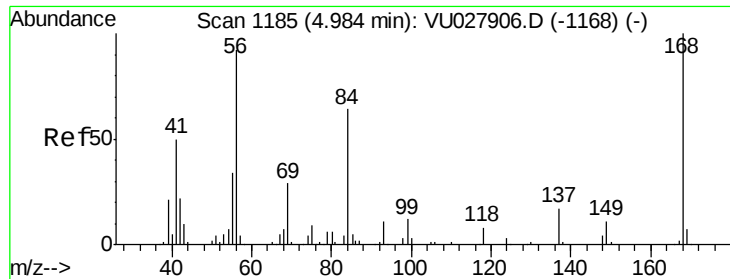
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	583063	170.966	ug/l	100
94) Hexachlorobutadiene	13.69	225	274300	160.130	ug/l	98
95) Naphthalene	13.74	128	2034920	175.079	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	588004	164.813	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 187128

Ion Ratio Lower Upper

168 100

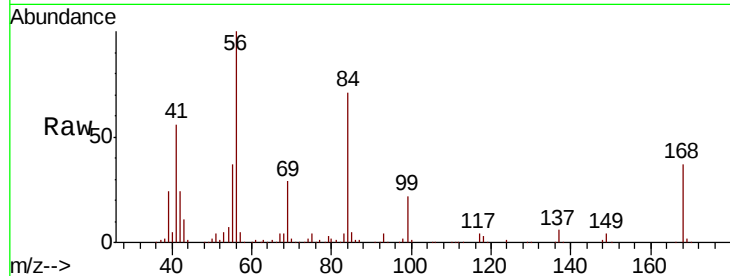
99 58.9 47.9 71.9

Manual Integrations

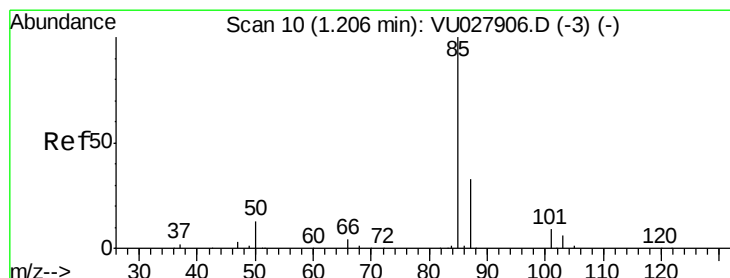
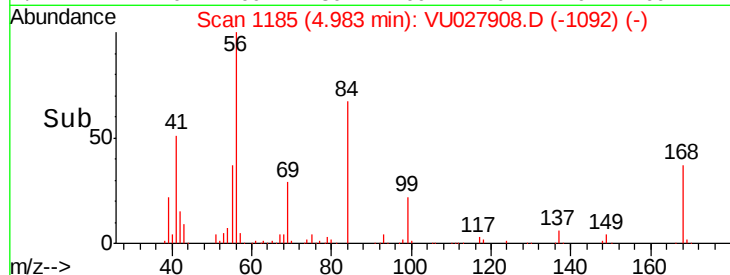
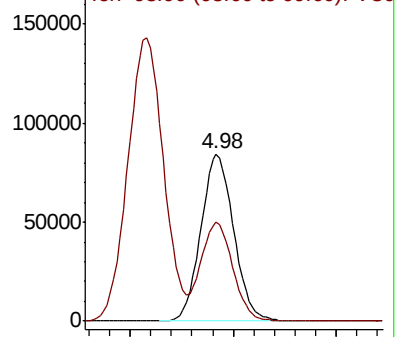
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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 141.535 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU027908.D

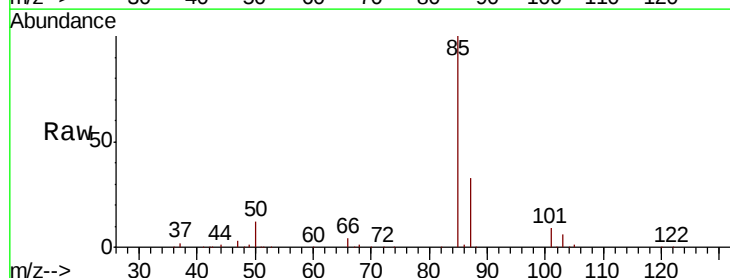
Acq: 01 Nov 2018 20:22

Tgt Ion: 85 Resp: 373649

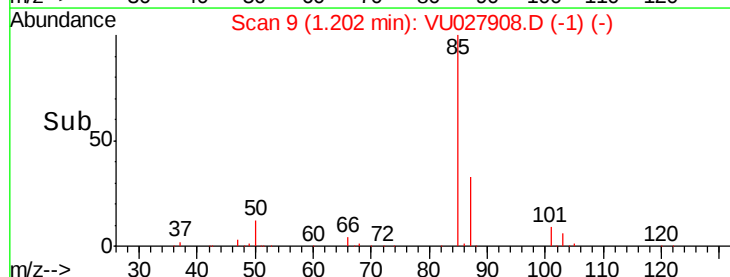
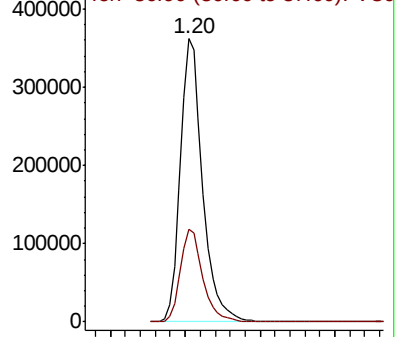
Ion Ratio Lower Upper

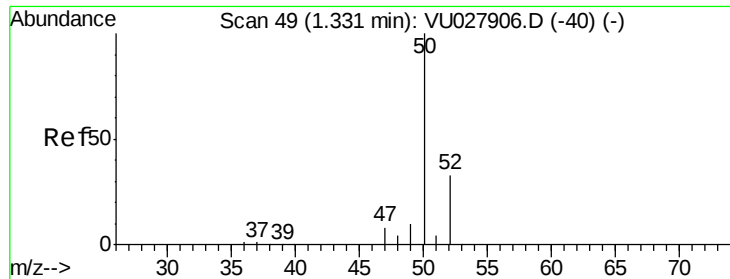
85 100

87 32.6 16.5 49.5



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





#3

Chloromethane

Concen: 124.360 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 438324

Ion Ratio Lower Upper

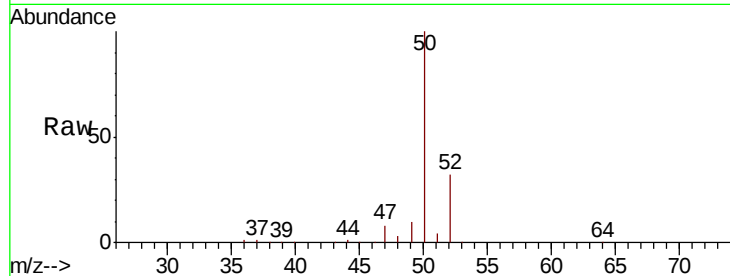
50 100

52 32.3 26.2 39.4

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Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027906.D (-40) (-)

1.33

400000

300000

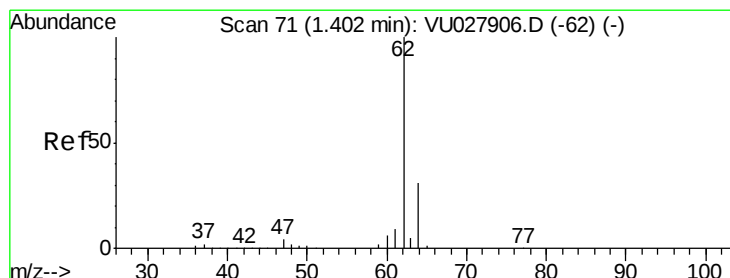
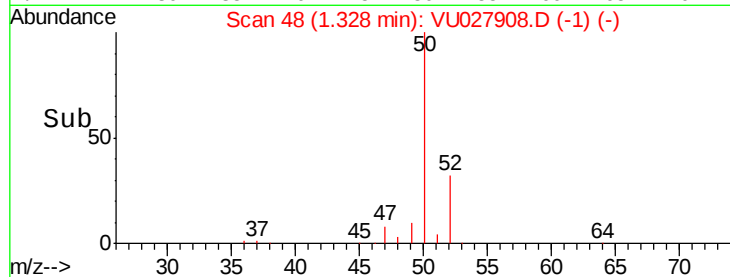
200000

100000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 129.690 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027908.D

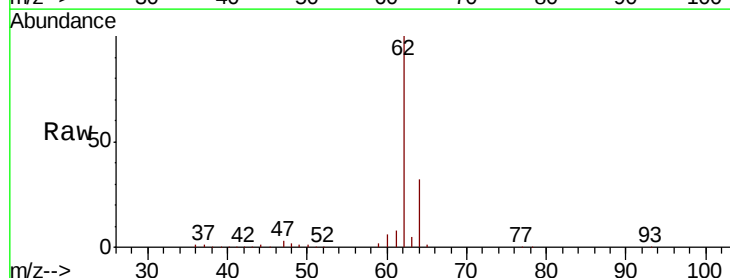
Acq: 01 Nov 2018 20:22

Tgt Ion: 62 Resp: 432783

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU027906.D (-62) (-)

1.40

500000

400000

300000

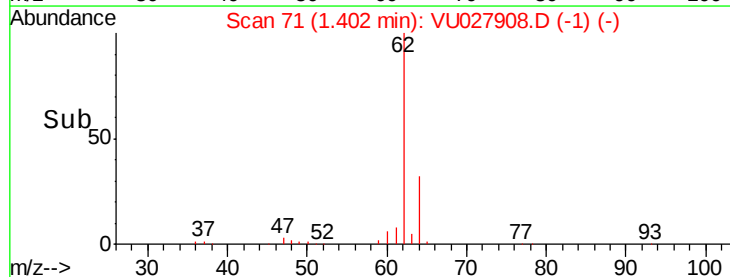
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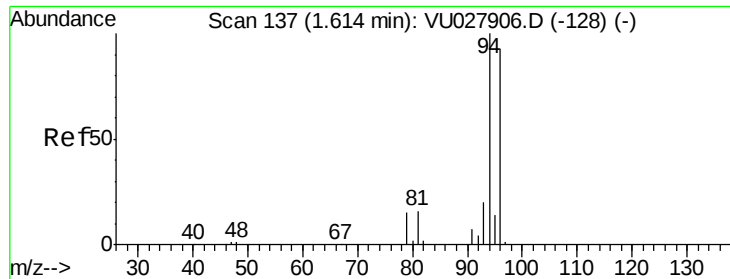
100000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 170.115 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 244596

Ion Ratio Lower Upper

94 100

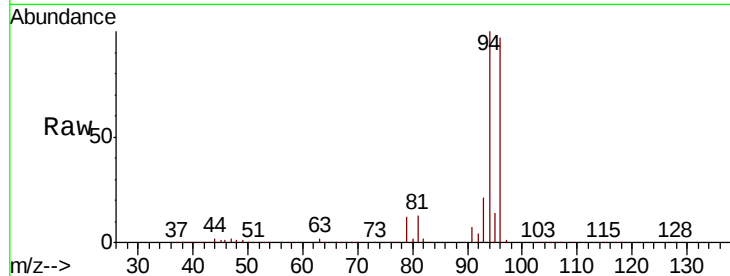
96 96.6 74.8 112.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU027908.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027908.D (-128) (-)

1.60

250000

200000

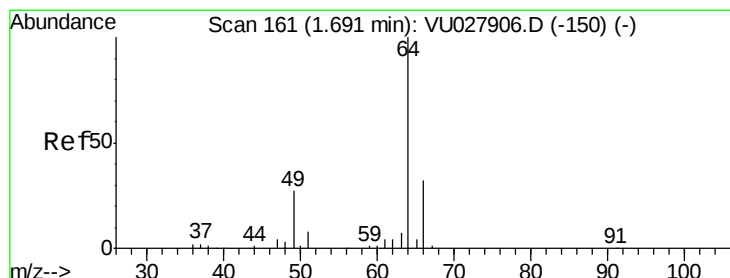
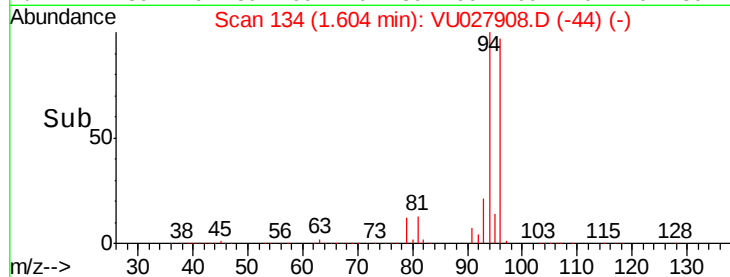
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 120.491 ug/l

RT: 1.67 min Scan# 156

Delta R.T. -0.02 min

Lab File: VU027908.D

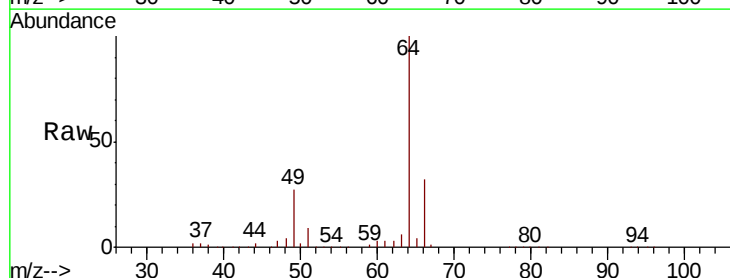
Acq: 01 Nov 2018 20:22

Tgt Ion: 64 Resp: 242450

Ion Ratio Lower Upper

64 100

66 32.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027908.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU027908.D (-150) (-)

1.67

200000

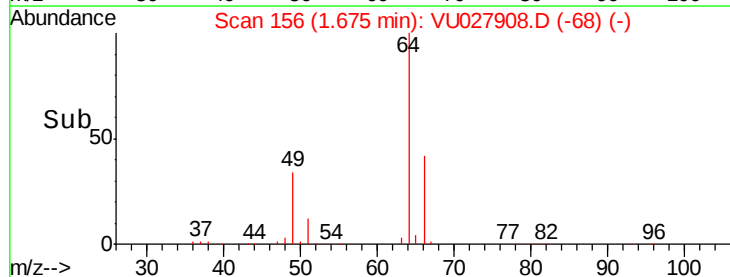
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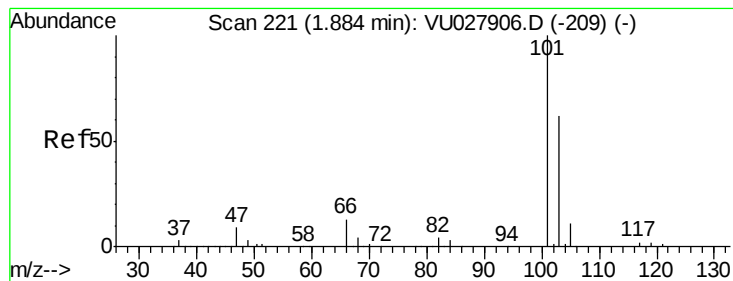
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50000

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Time-->





#7

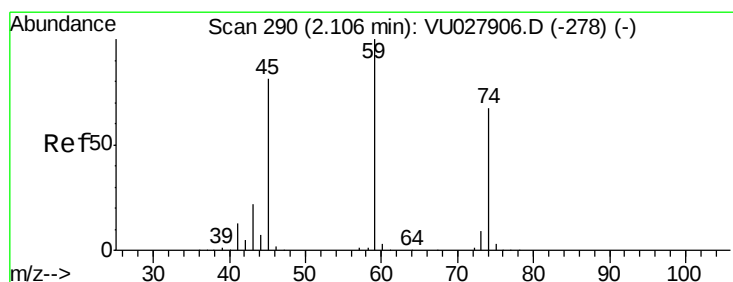
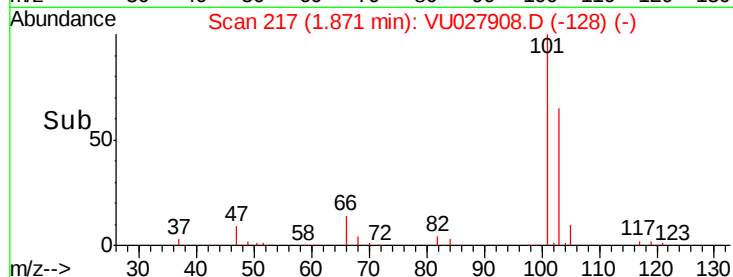
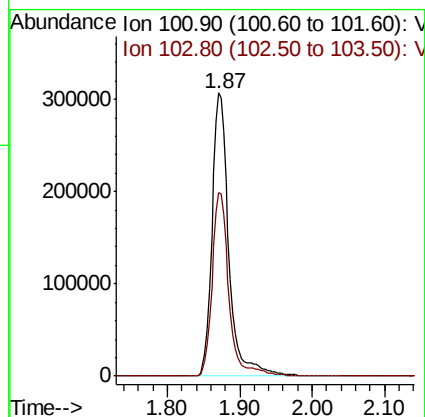
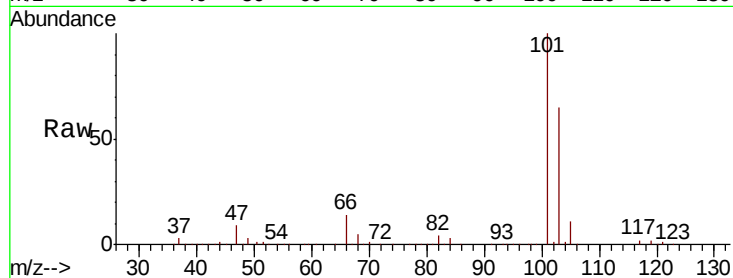
Trichlorofluoromethane
Concen: 141.082 ug/l
RT: 1.87 min Scan# 217
Delta R.T. -0.01 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 489315
Ion Ratio Lower Upper
101 100
103 64.8 49.4 74.2

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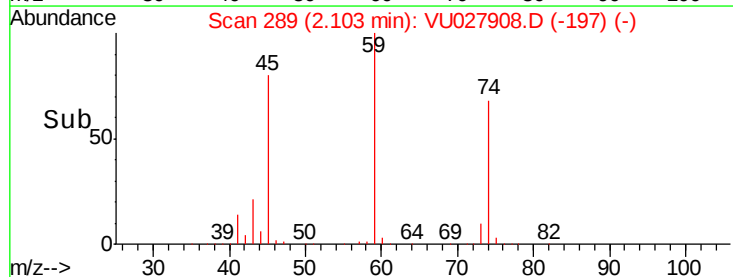
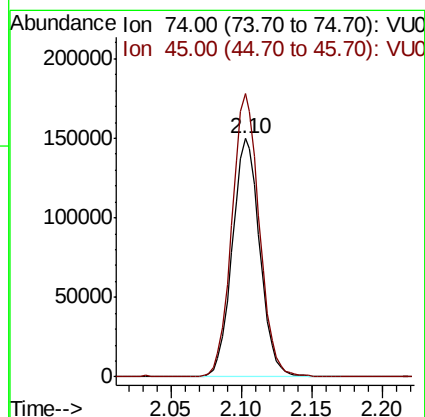
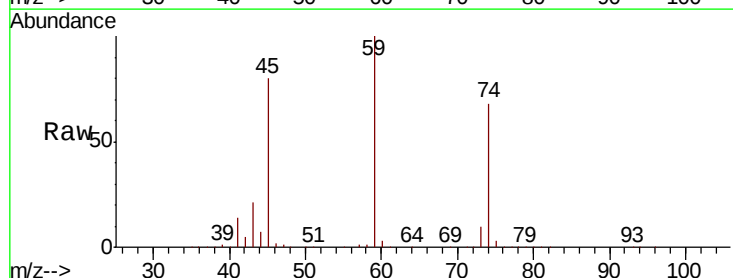
MMDadoda
11/2/2018 9:00:21 AM

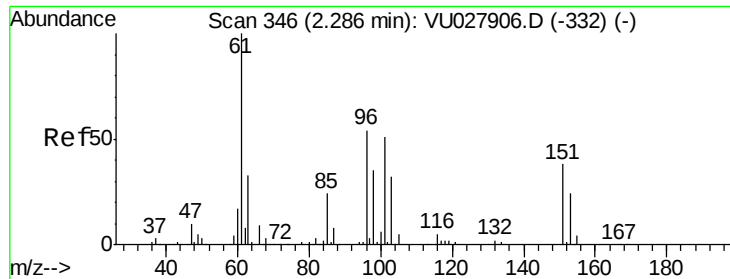


#8

Diethyl Ether
Concen: 129.984 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion: 74 Resp: 204886
Ion Ratio Lower Upper
74 100
45 118.0 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.175 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 289256
Ion Ratio Lower Upper

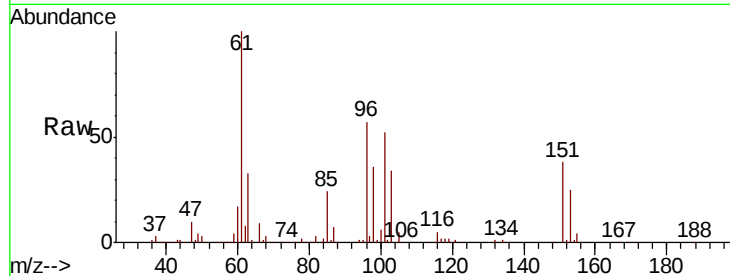
101 100

85 45.8 36.9 55.3

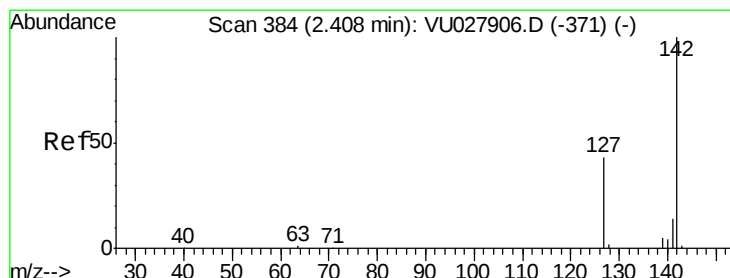
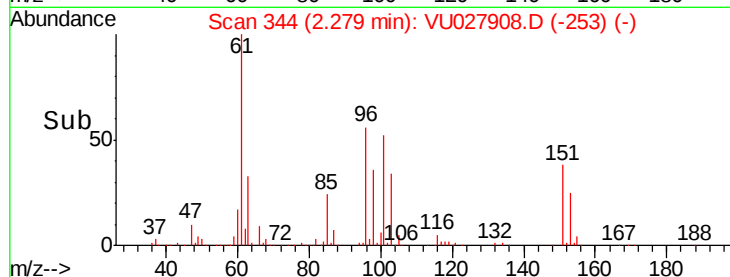
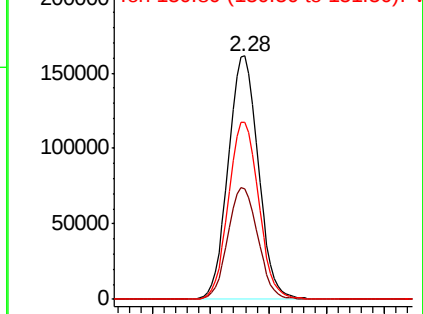
151 73.3 58.0 87.0

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 206.847 ug/l

RT: 2.40 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU027908.D

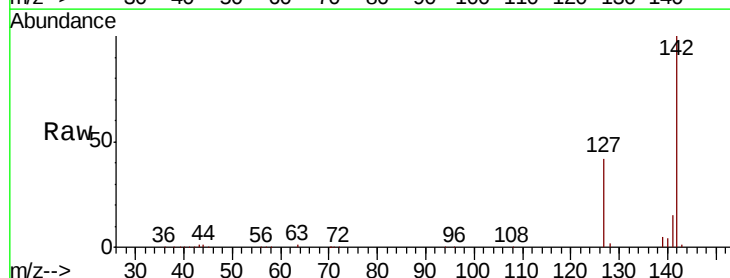
Acq: 01 Nov 2018 20:22

Tgt Ion:142 Resp: 307542
Ion Ratio Lower Upper

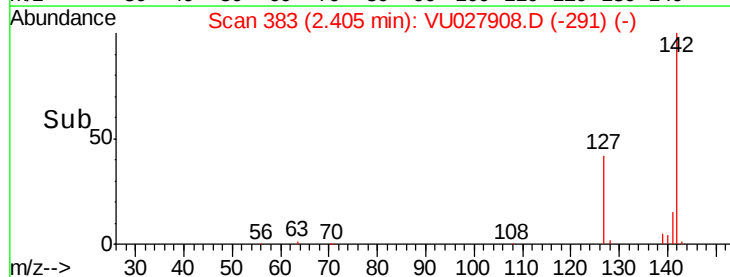
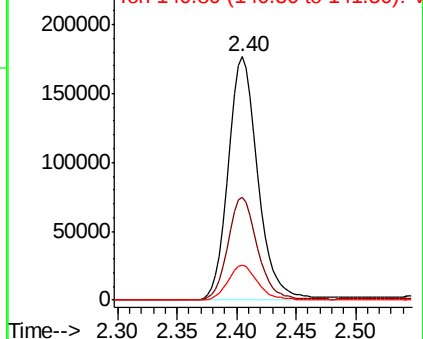
142 100

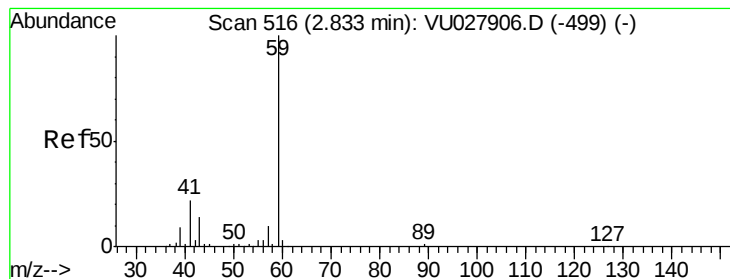
127 42.3 35.2 52.8

141 14.5 11.8 17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

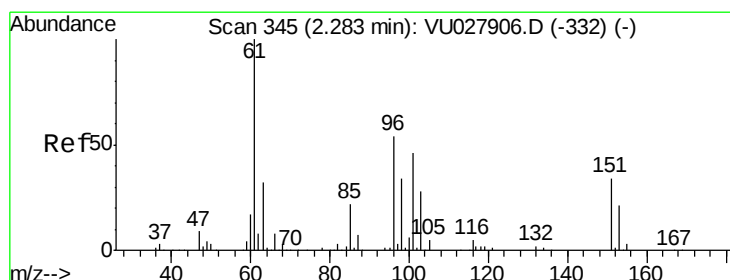
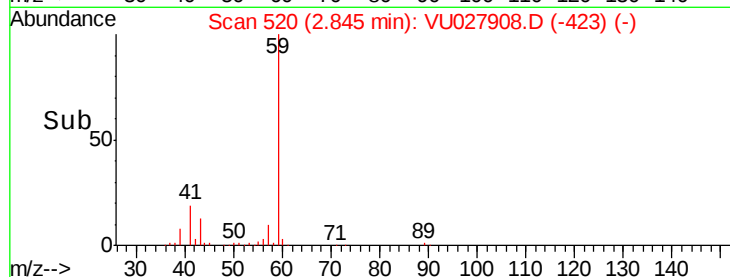
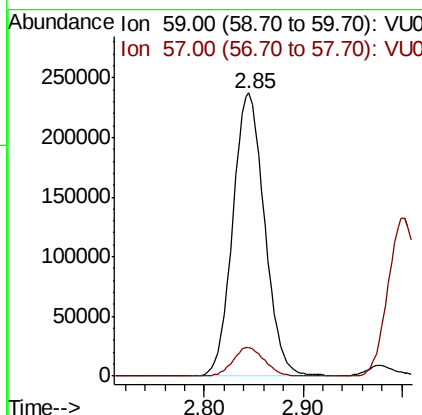
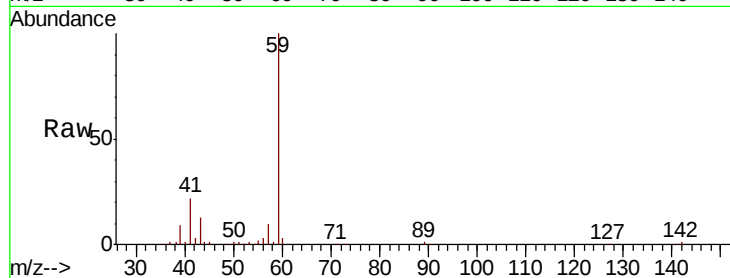
Tert butyl alcohol
 Concen: 780.249 ug/l
 RT: 2.85 min Scan# 520
 Delta R.T. 0.01 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

Manual Integrations
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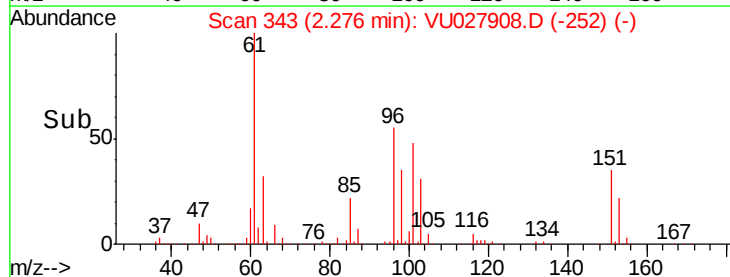
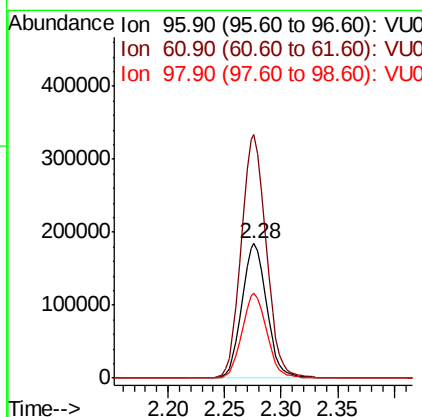
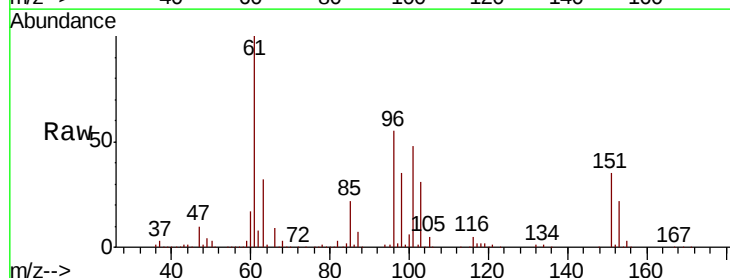
MMDadoda
 11/2/2018 9:00:21 AM

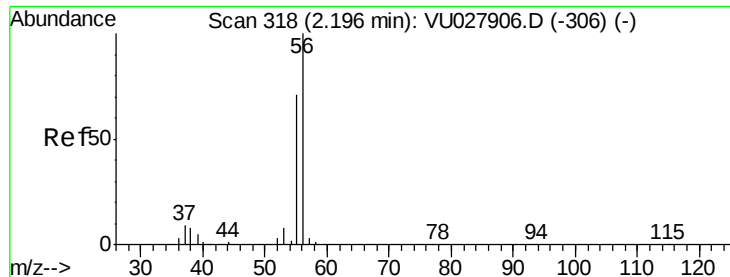


#12

1,1-Dichloroethene
 Concen: 143.367 ug/l
 RT: 2.28 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.1	149.3	223.9
98	63.4	50.6	75.8





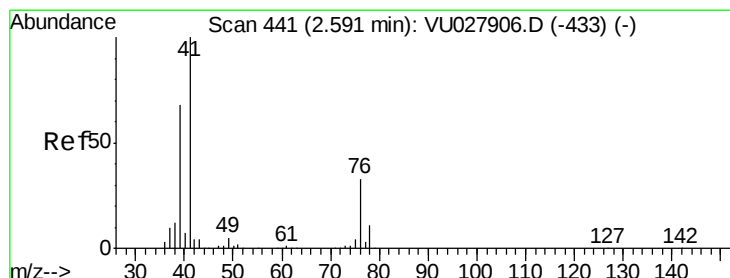
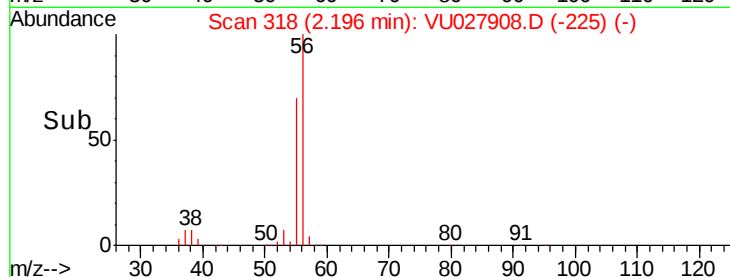
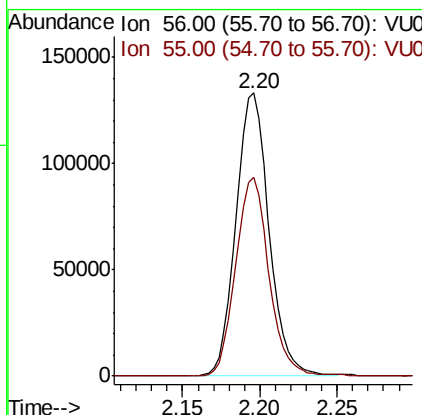
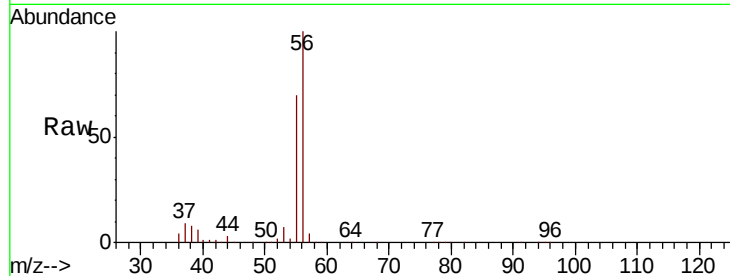
#13
Acrolein
Concen: 398.829 ug/l
RT: 2.20 min Scan# 318
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.2	84.4

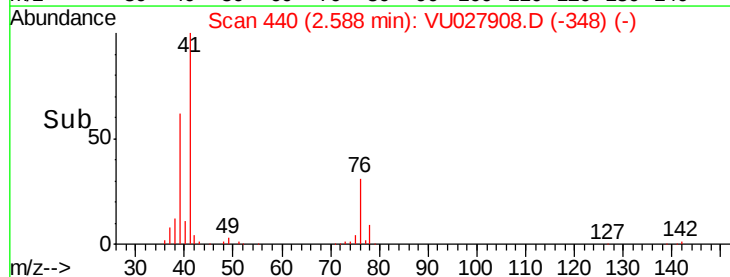
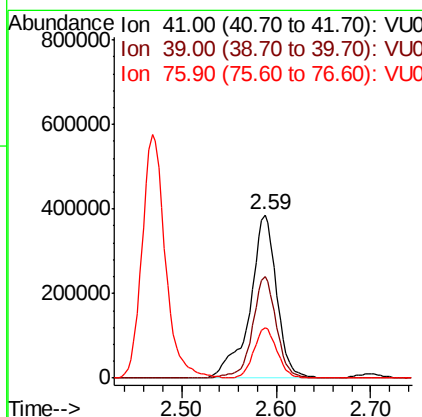
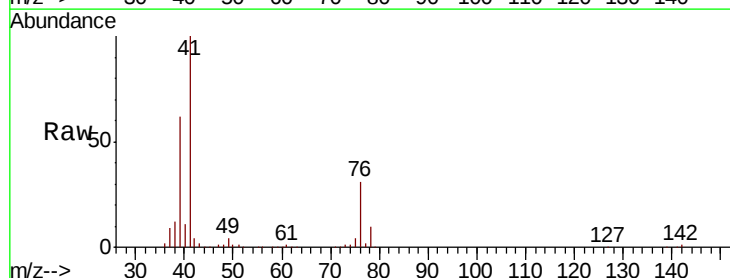
Manual Integrations
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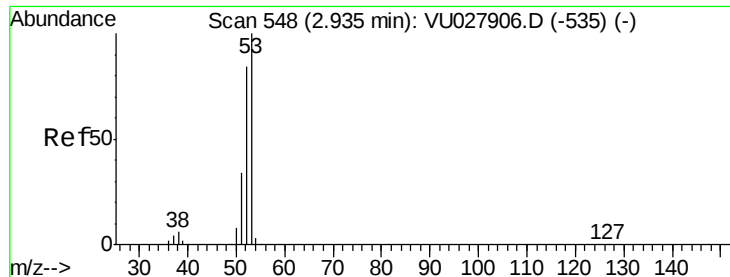
MMDadoda
11/2/2018 9:00:21 AM



#14
Allyl chloride
Concen: 161.232 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.4	51.9	77.9
76	26.7	23.8	35.6





#15

Acrylonitrile

Concen: 771.244 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1343829

Ion Ratio Lower Upper

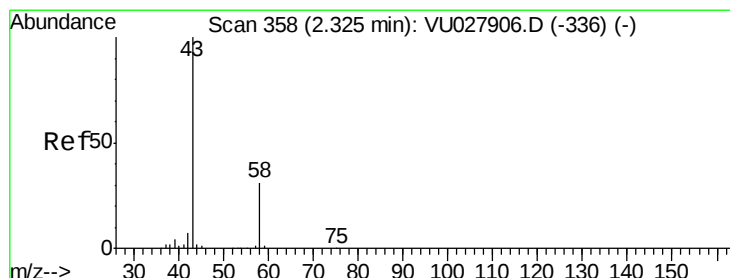
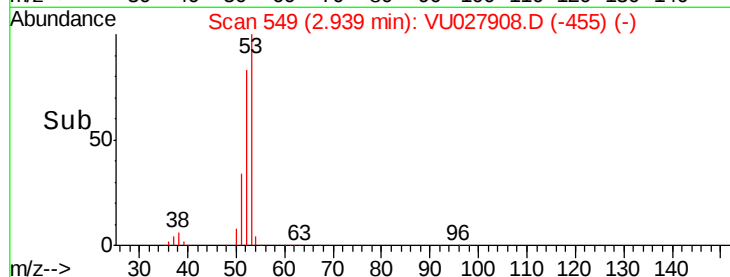
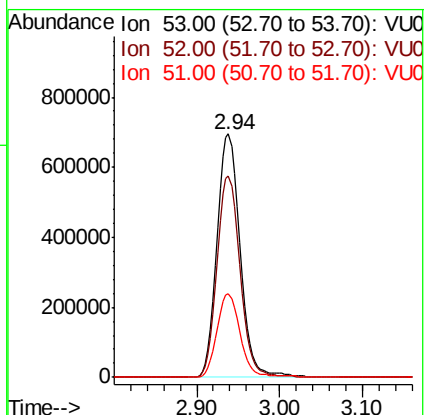
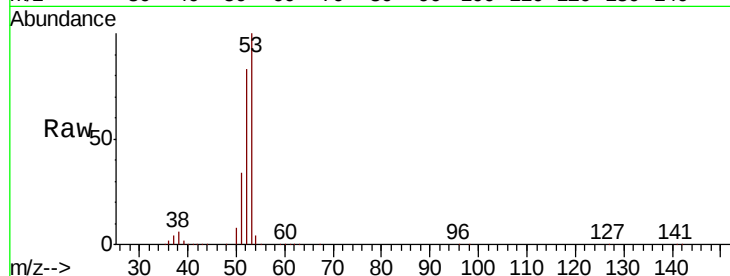
53 100

52 82.7 66.2 99.2

51 34.9 27.0 40.4

Manual Integrations
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11/2/2018 9:00:21 AM



#16

Acetone

Concen: 618.530 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027908.D

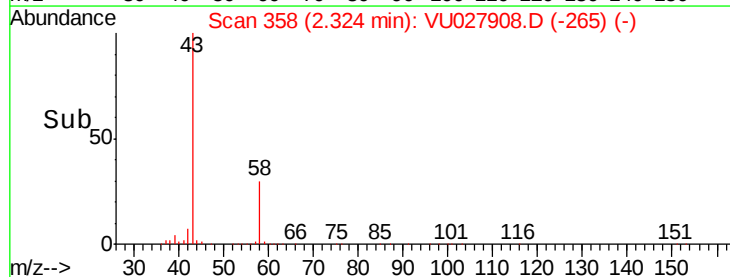
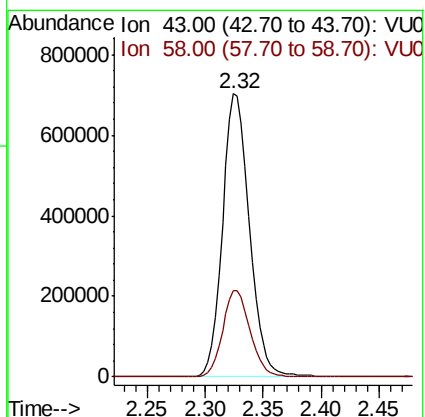
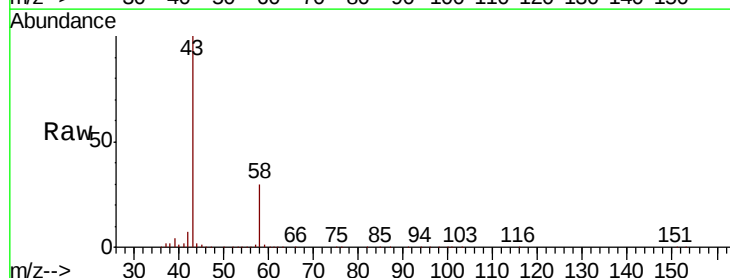
Acq: 01 Nov 2018 20:22

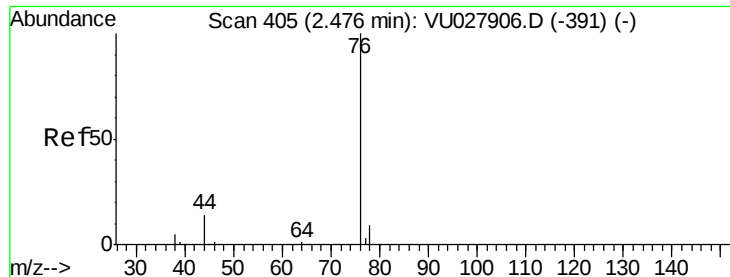
Tgt Ion: 43 Resp: 1126628

Ion Ratio Lower Upper

43 100

58 30.3 24.6 37.0





#17

Carbon Disulfide

Concen: 138.562 ug/l

RT: 2.47 min Scan# 403

Delta R.T. -0.01 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 977656

Ion Ratio Lower Upper

76 100

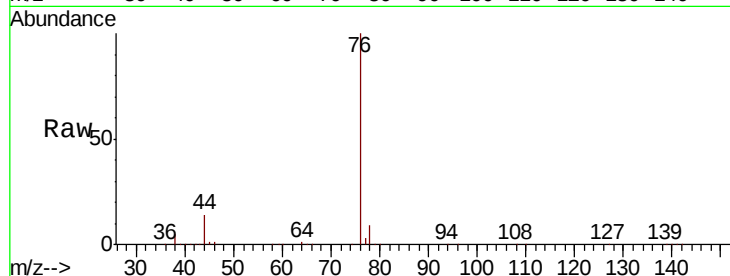
78 9.3 7.4 11.0

Manual Integrations

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11/2/2018 9:00:21 AM



Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VU027908.D (-312) (-)

2.47

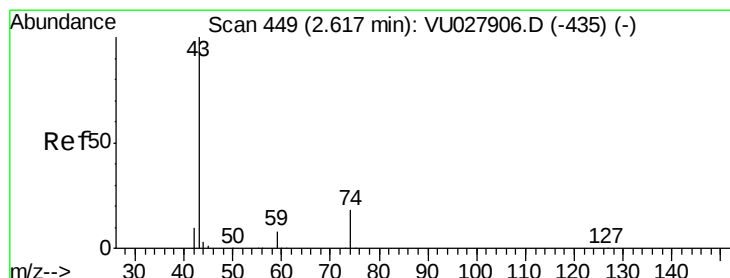
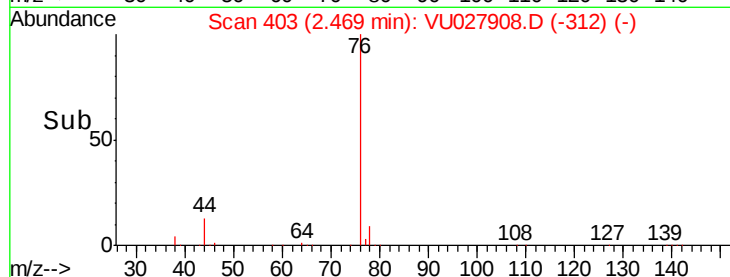
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 151.769 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027908.D

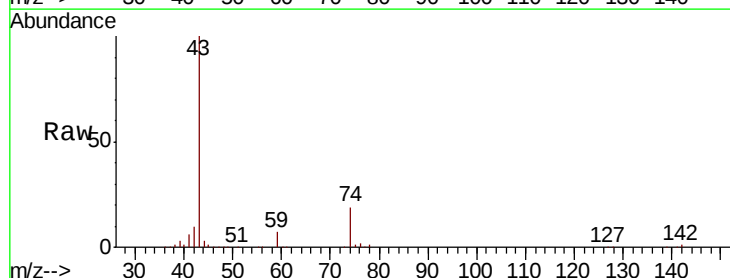
Acq: 01 Nov 2018 20:22

Tgt Ion: 43 Resp: 654896

Ion Ratio Lower Upper

43 100

74 19.5 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU027908.D (-356) (-)

2.62

400000

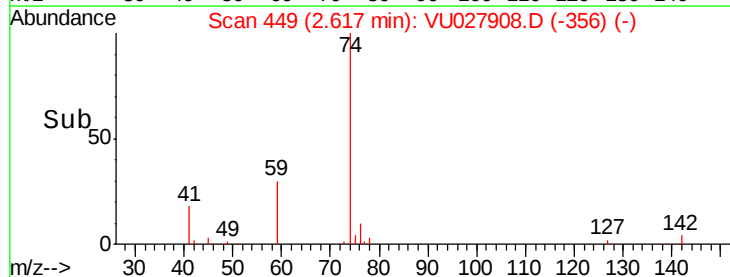
300000

200000

100000

0

Time-->





#19

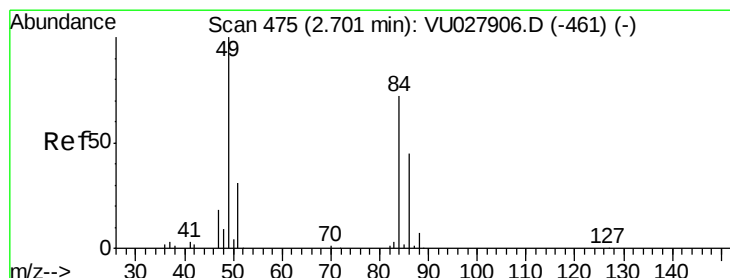
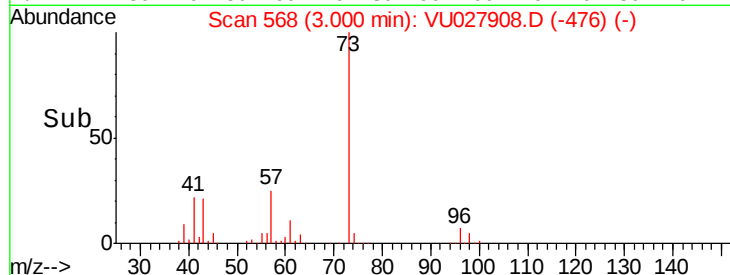
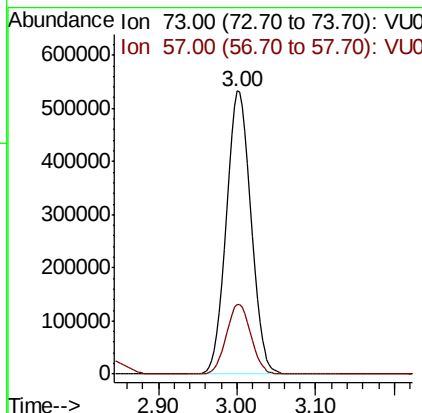
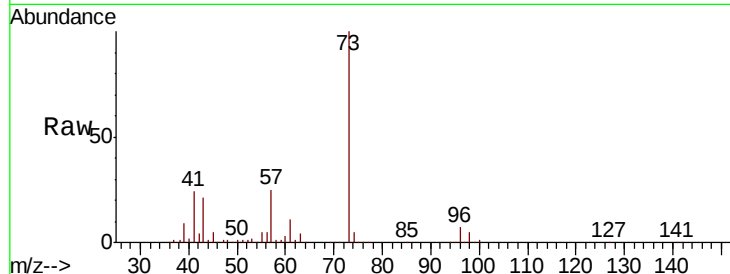
Methyl tert-butyl Ether
 Concen: 145.055 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1152028
 Ion Ratio Lower Upper
 73 100
 57 24.8 19.3 28.9

Manual Integrations
 APPROVED

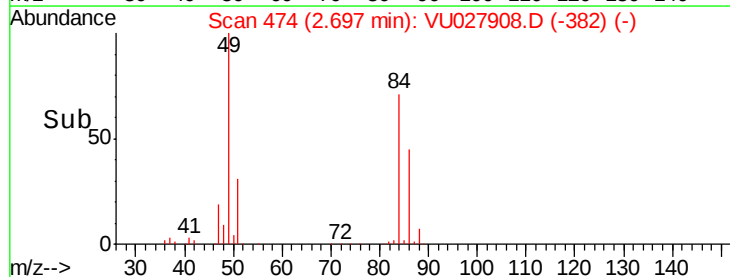
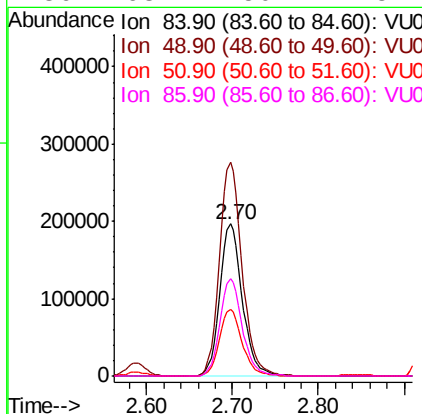
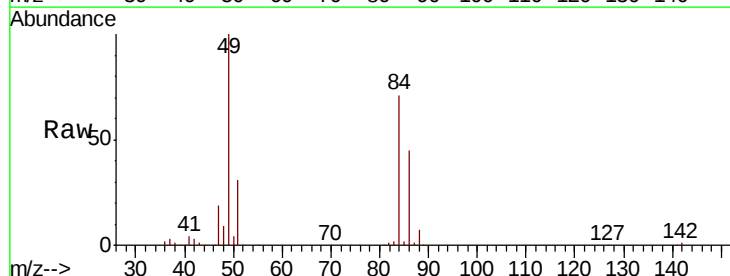
MMDadoda
 11/2/2018 9:00:21 AM

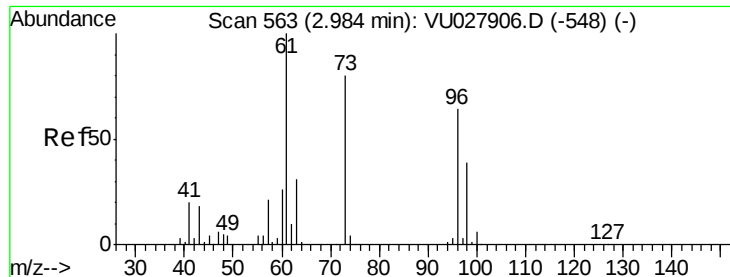


#20

Methylene Chloride
 Concen: 138.632 ug/l
 RT: 2.70 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Tgt Ion: 84 Resp: 357552
 Ion Ratio Lower Upper
 84 100
 49 140.7 111.6 167.4
 51 44.1 34.8 52.2
 86 63.7 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 144.438 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 322686

Ion Ratio Lower Upper

96 100

61 161.5 125.0 187.6

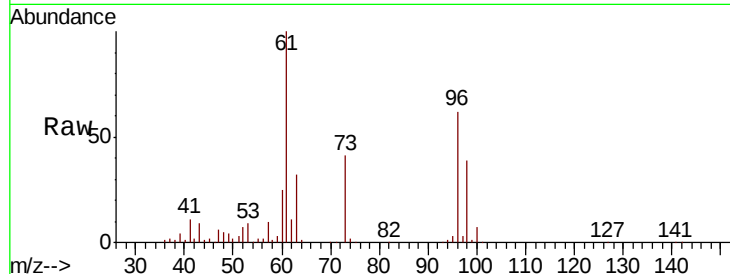
98 63.8 48.2 72.4

Manual Integrations

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MMDadoda

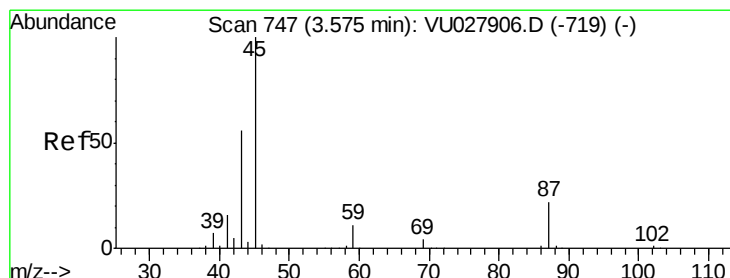
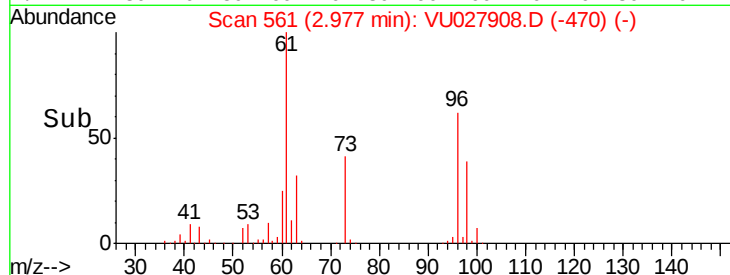
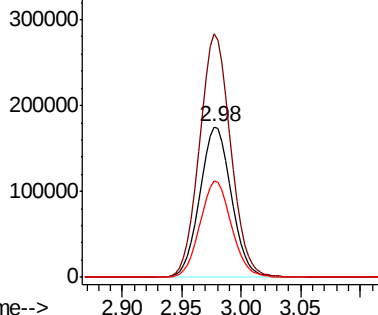
11/2/2018 9:00:21 AM



Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-548) (-)



#22

Diisopropyl ether

Concen: 150.204 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Tgt Ion: 45 Resp: 1444241

Ion Ratio Lower Upper

45 100

43 50.9 45.0 67.6

87 21.4 17.9 26.9

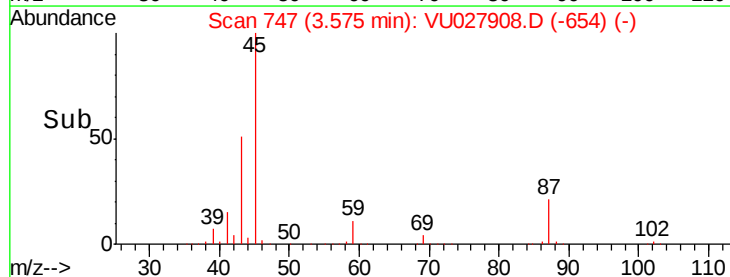
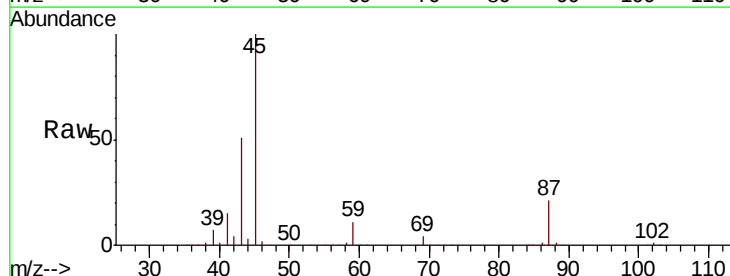
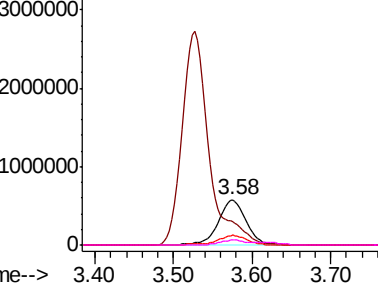
59 10.6 8.6 12.8

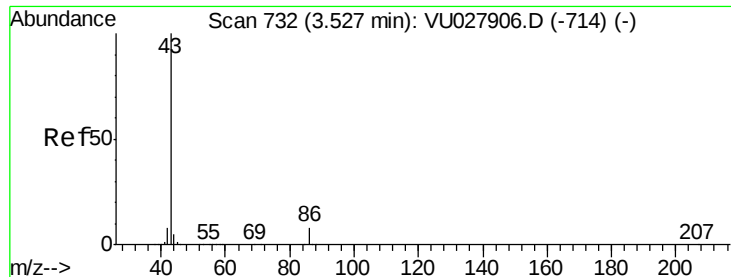
Abundance Ion 45.00 (44.70 to 45.70): VU027906.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU027906.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU027906.D (-719) (-)





#23

Vinyl Acetate

Concen: 763.832 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6410418

Ion Ratio Lower Upper

43 100

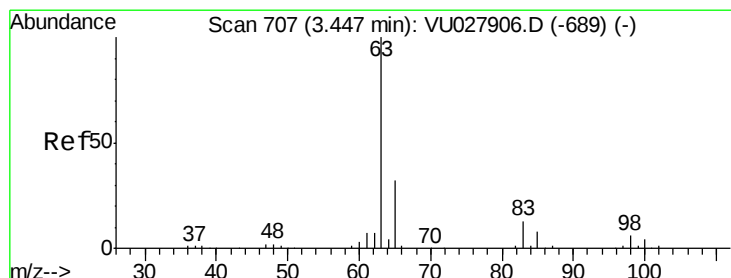
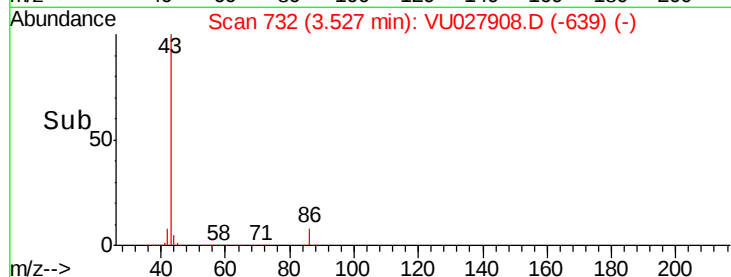
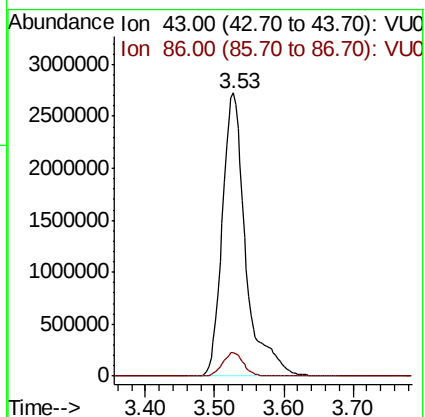
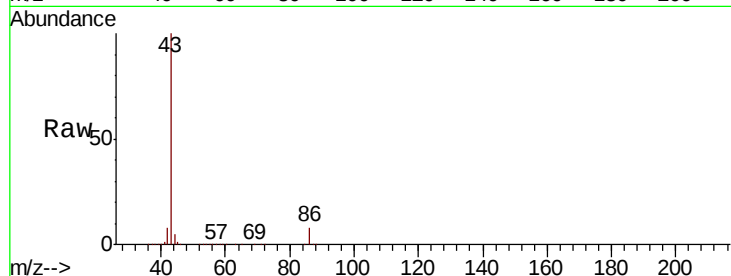
86 8.3 6.6 9.8

Manual Integrations

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MMDadoda

11/2/2018 9:00:21 AM



#24

1,1-Dichloroethane

Concen: 143.077 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

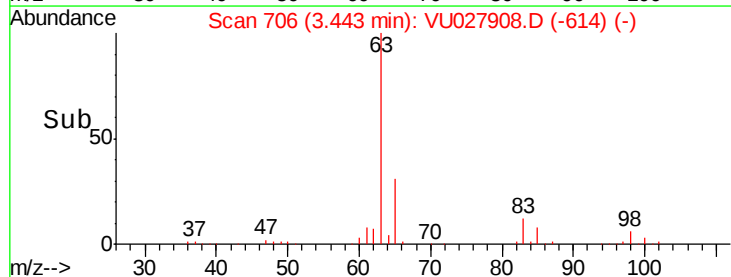
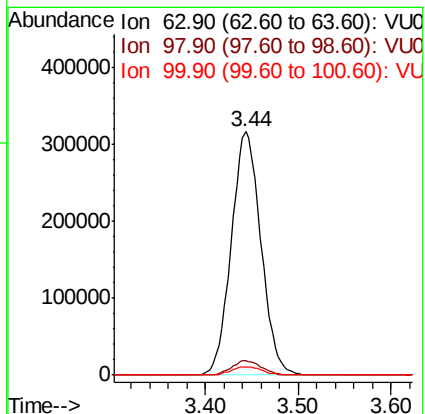
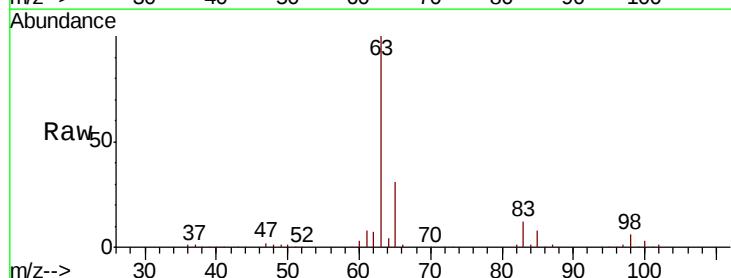
Tgt Ion: 63 Resp: 701751

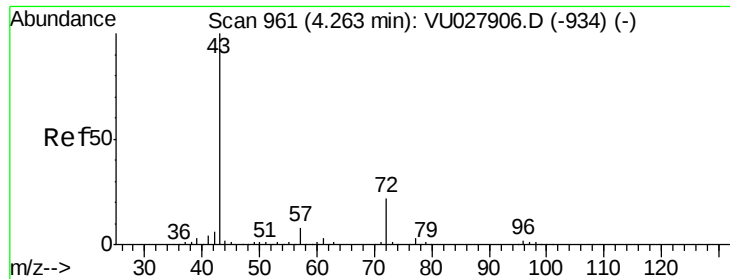
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.4 2.0 6.0





#25

2-Butanone

Concen: 779.945 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2000867

Ion Ratio Lower Upper

43 100

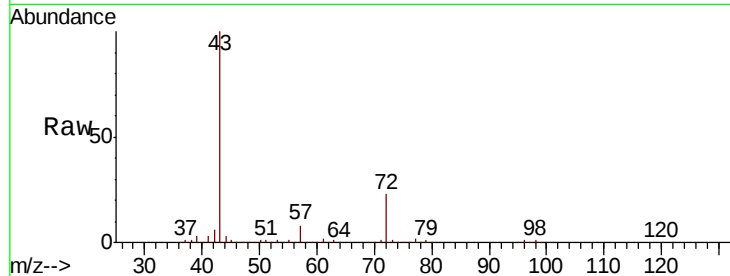
72 22.6 17.7 26.5

Manual Integrations

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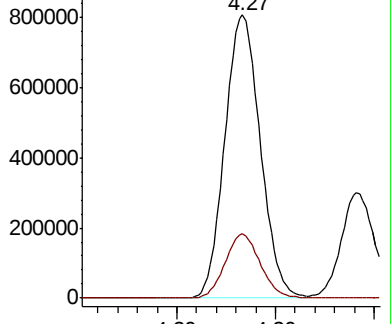
MMDadoda

11/2/2018 9:00:21 AM

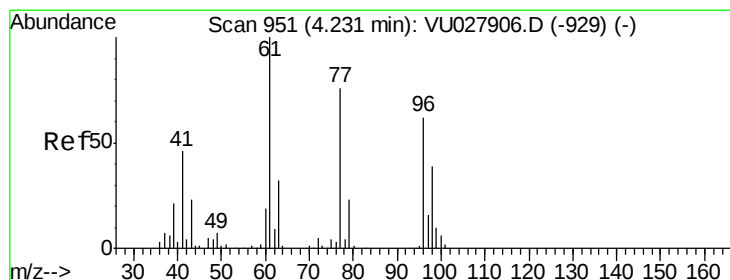
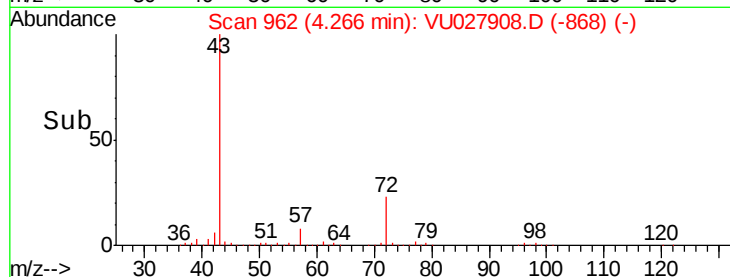


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



Time-->



#26

2,2-Dichloropropane

Concen: 129.831 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.01 min

Lab File: VU027908.D

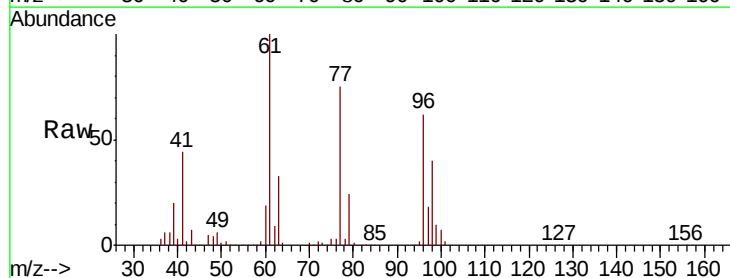
Acq: 01 Nov 2018 20:22

Tgt Ion: 77 Resp: 515475

Ion Ratio Lower Upper

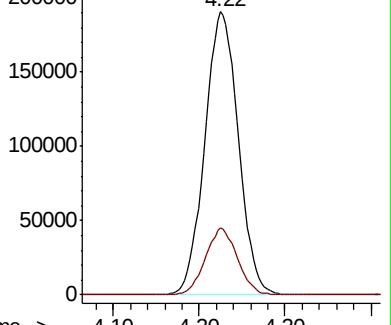
77 100

97 22.6 11.2 33.5

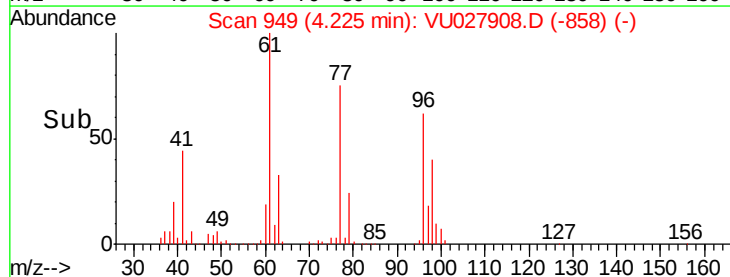


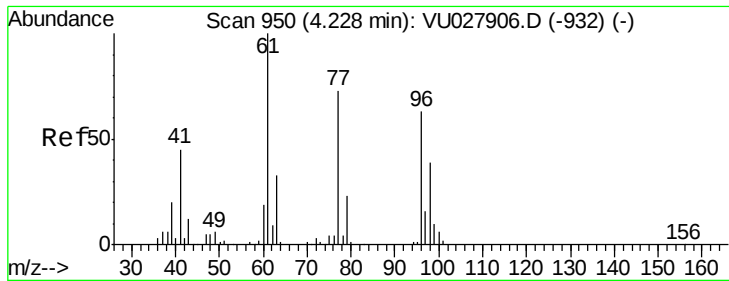
Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



Time-->





#27

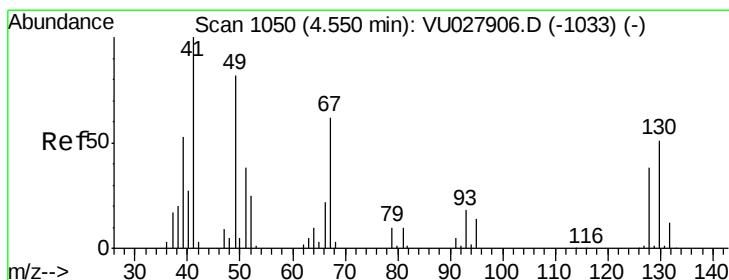
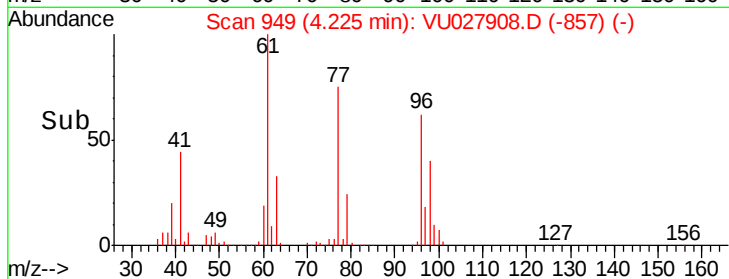
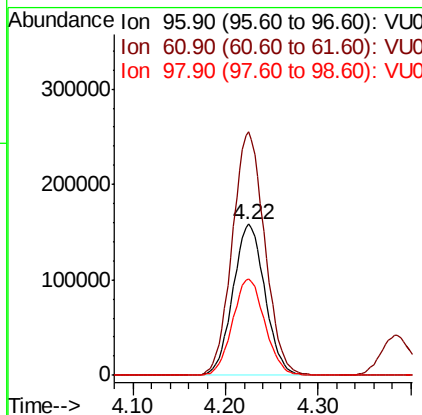
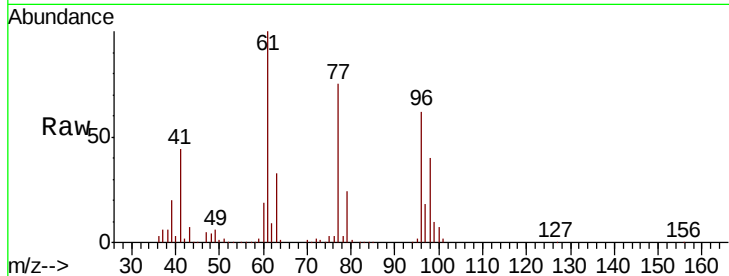
cis-1,2-Dichloroethene
 Concen: 147.879 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.6	0.0	329.6
98	64.4	0.0	127.2

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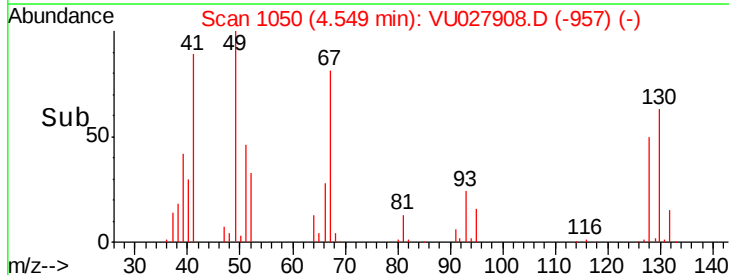
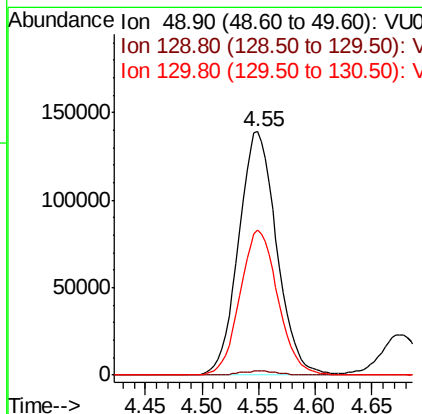
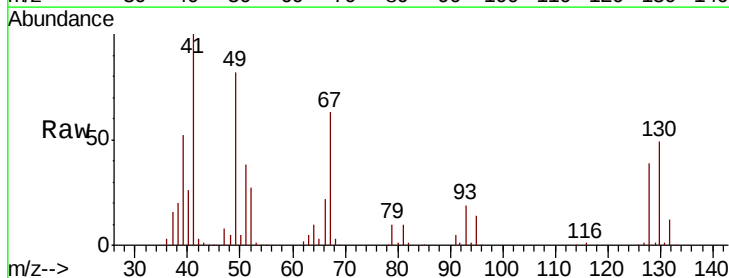
MMDadoda
 11/2/2018 9:00:21 AM

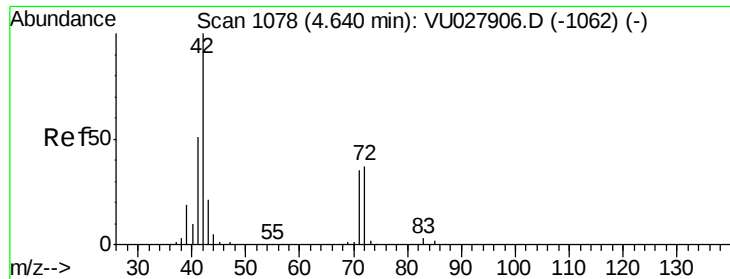


#28

Bromochloromethane
 Concen: 139.987 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	59.3	47.8	71.6





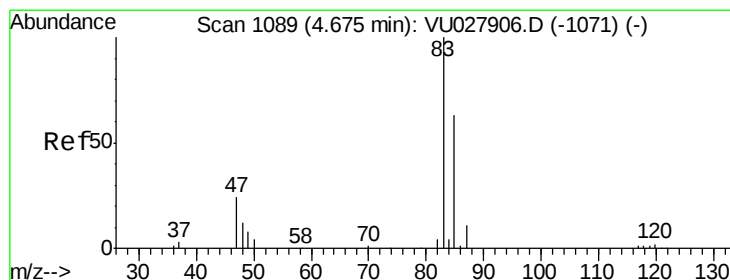
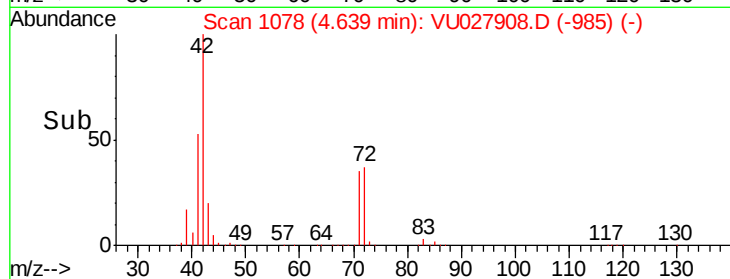
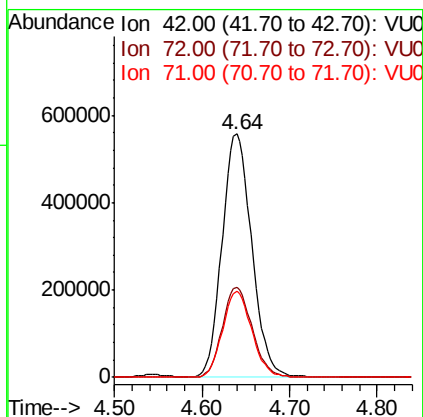
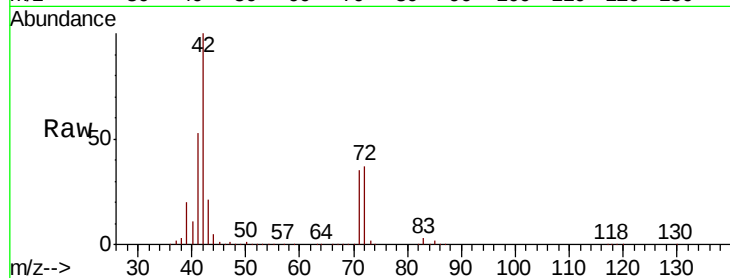
#29
Tetrahydrofuran
Concen: 802.487 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	29.4	44.0
71	35.1	27.9	41.9

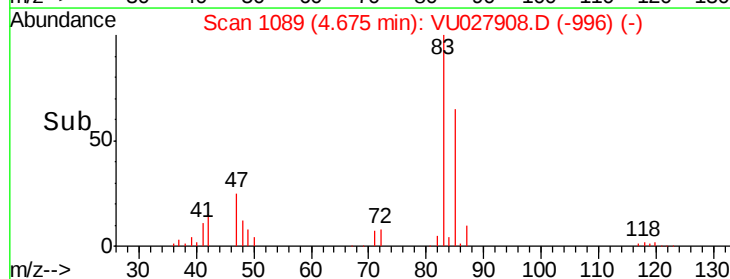
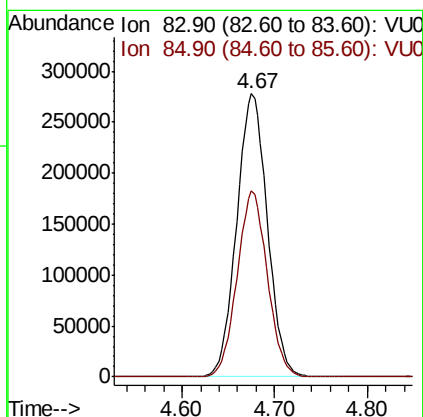
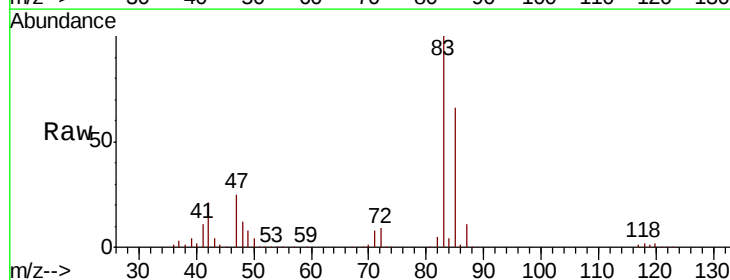
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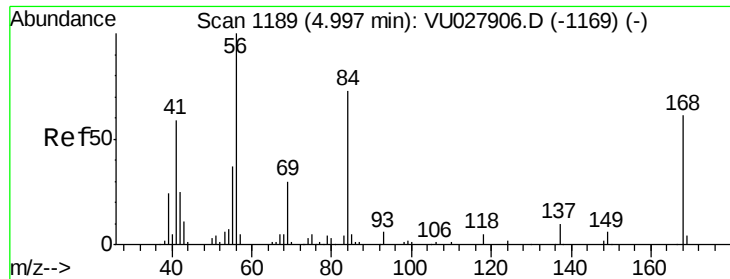
MMDadoda
11/2/2018 9:00:21 AM



#30
Chloroform
Concen: 145.608 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.6	76.0





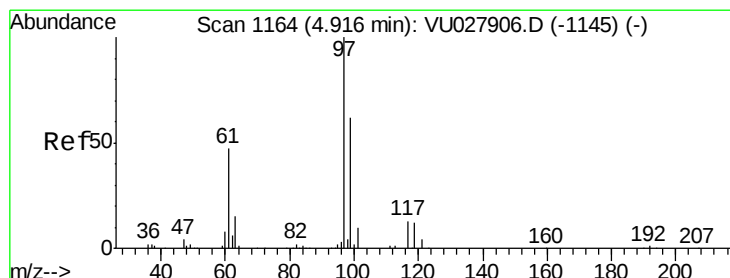
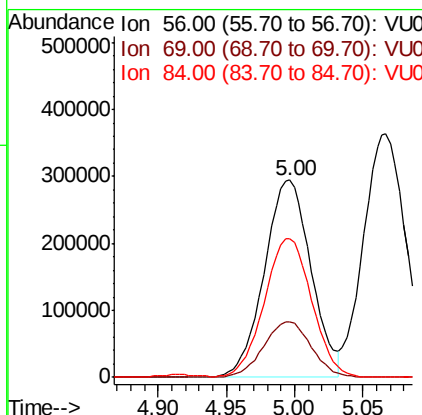
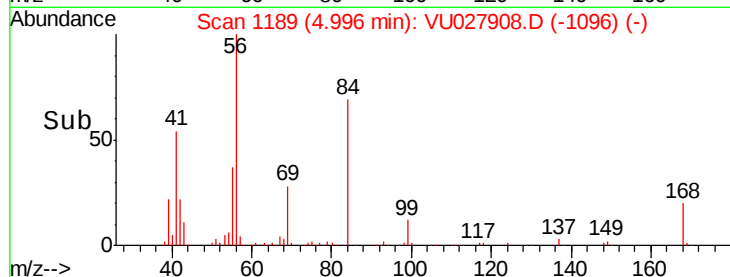
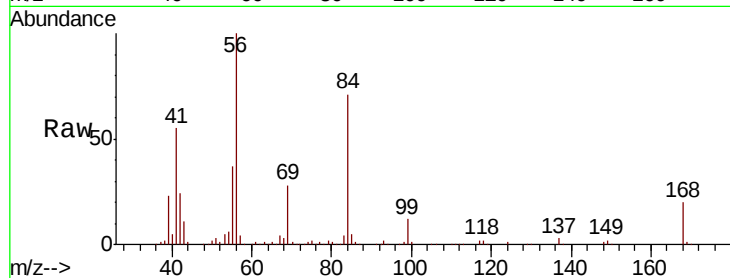
#31
Cyclohexane
Concen: 122.536 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion:	56	Resp:	701177
Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.7	35.5
84	69.4	58.2	87.4

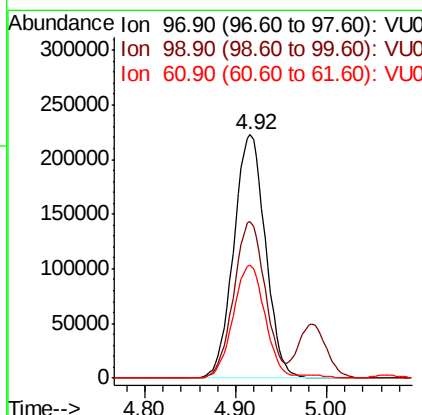
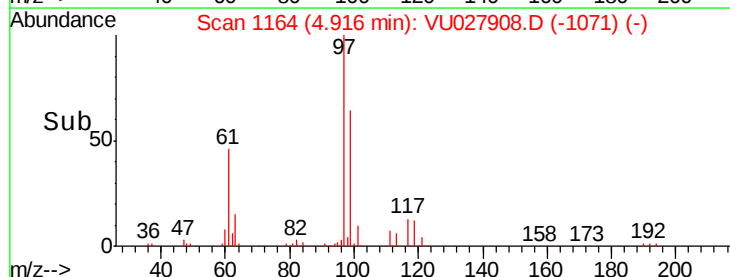
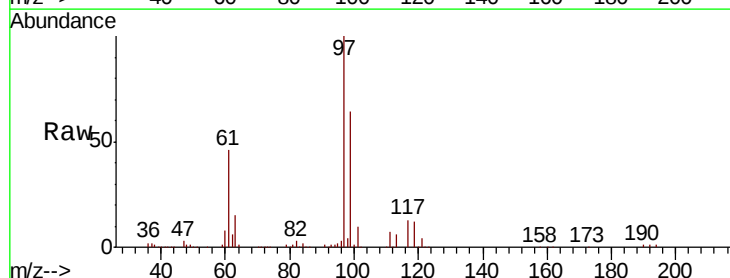
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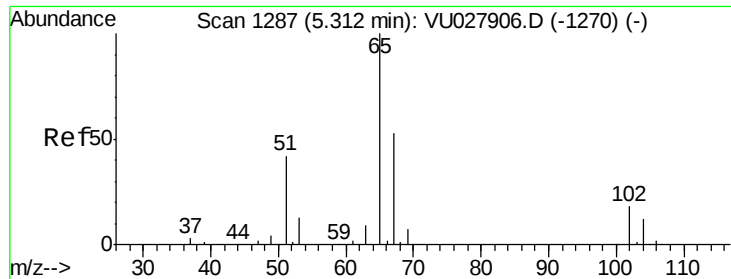
MMDadoda
11/2/2018 9:00:21 AM



#32
1,1,1-Trichloroethane
Concen: 146.700 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion:	97	Resp:	538626
Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.5	75.7
61	46.7	38.3	57.5





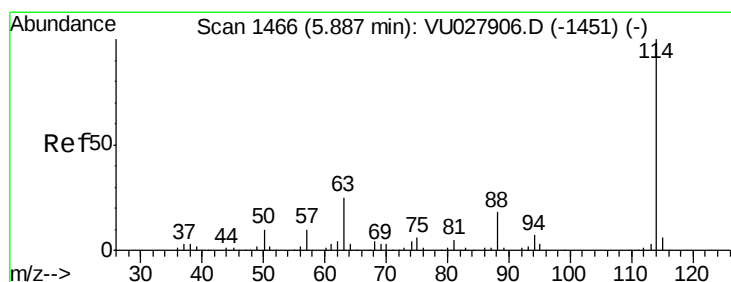
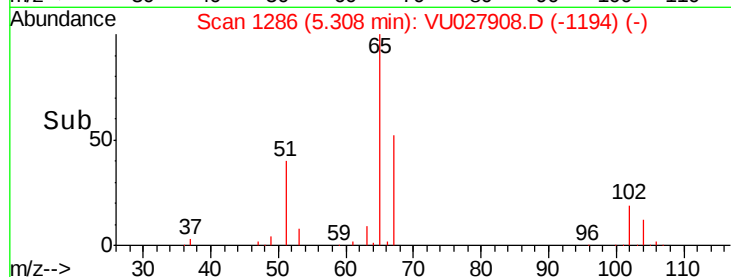
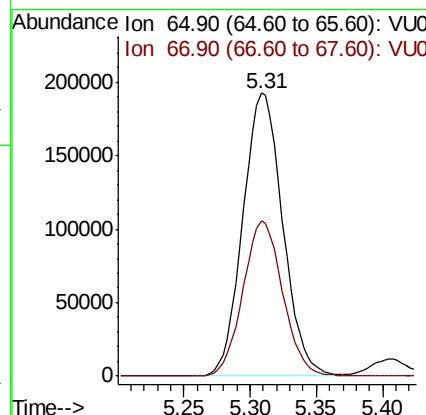
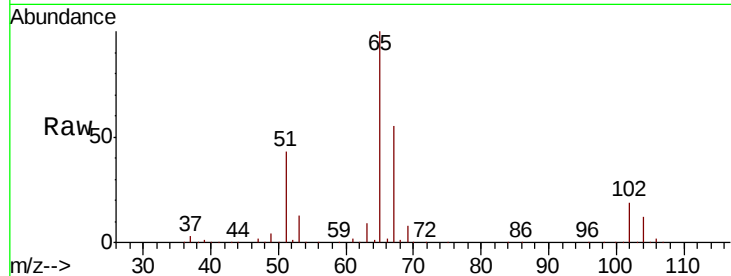
#33
 1,2-Dichloroethane-d4
 Concen: 130.061 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	109.0

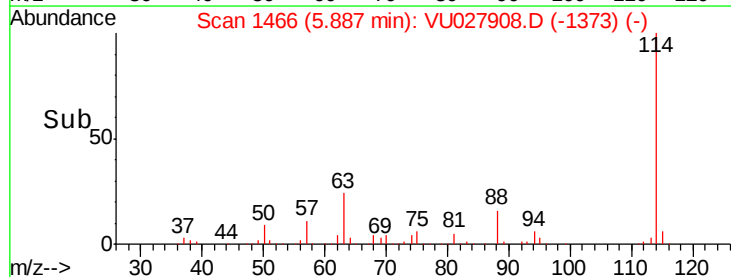
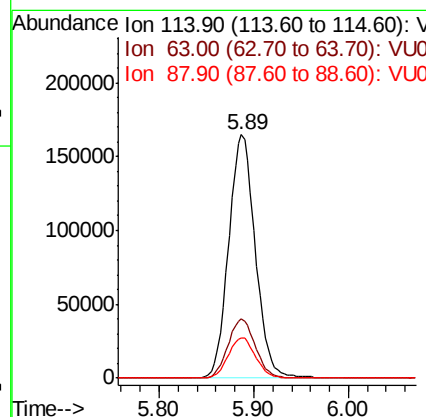
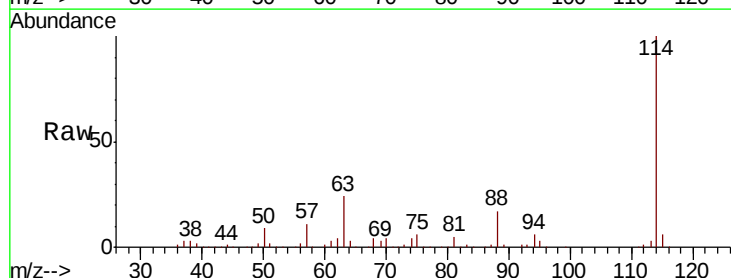
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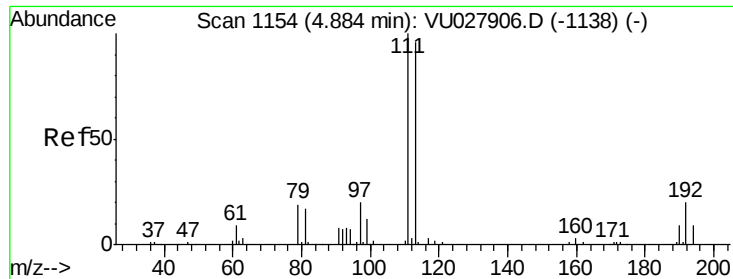
MMDadoda
 11/2/2018 9:00:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	50.8
88	16.5	0.0	35.8





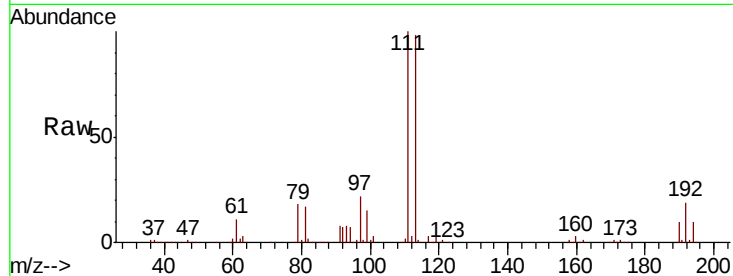
#35
 Dibromofluoromethane
 Concen: 139.596 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

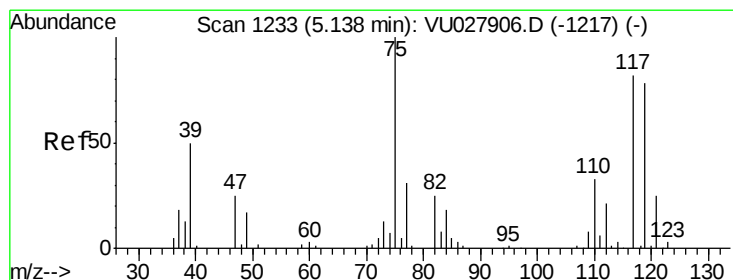
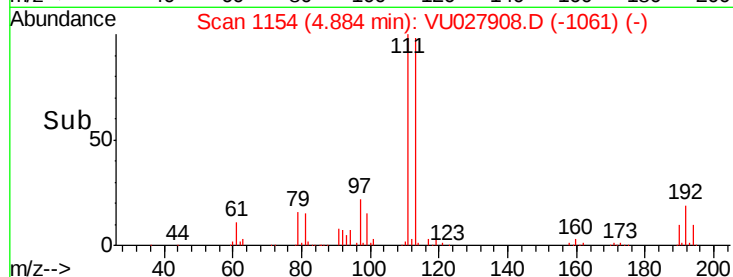
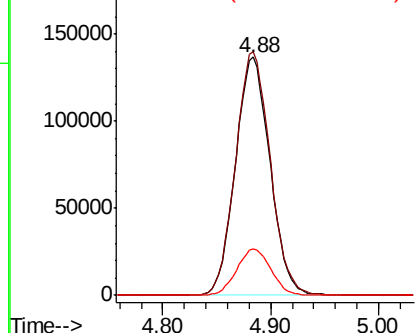
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	83.0	124.6	
192	19.3	15.6	23.4	

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 11/2/2018 9:00:21 AM

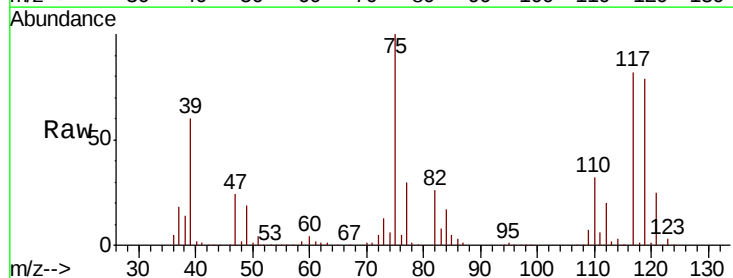


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

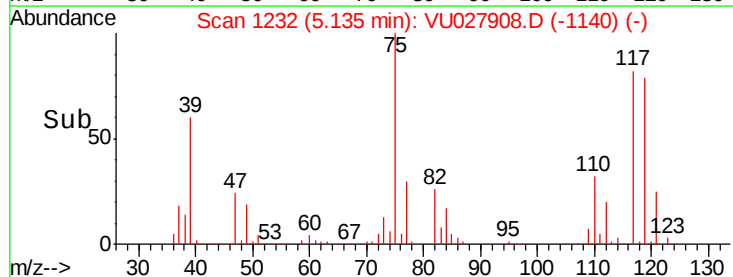
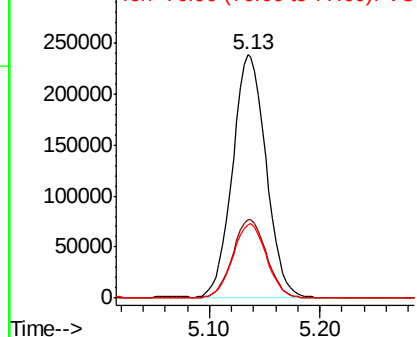


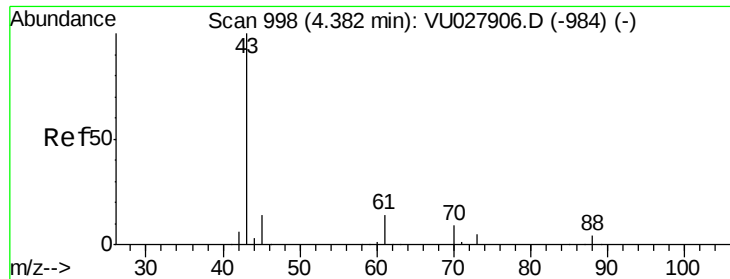
#36
 1,1-Dichloropropene
 Concen: 144.023 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.9	16.5	49.5	
77	30.7	24.9	37.3	



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





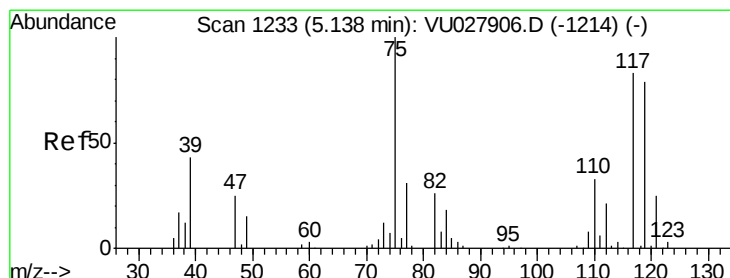
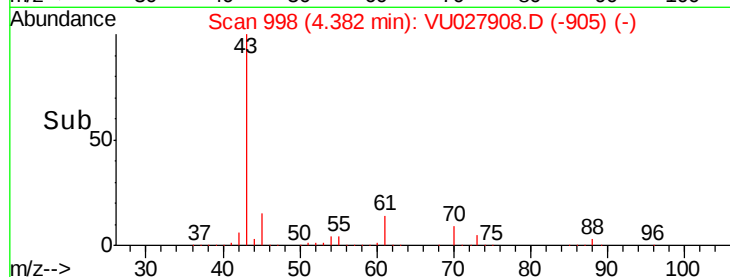
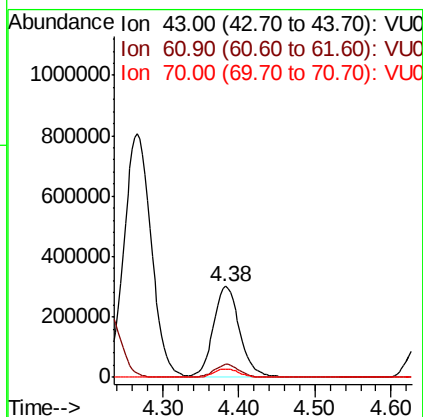
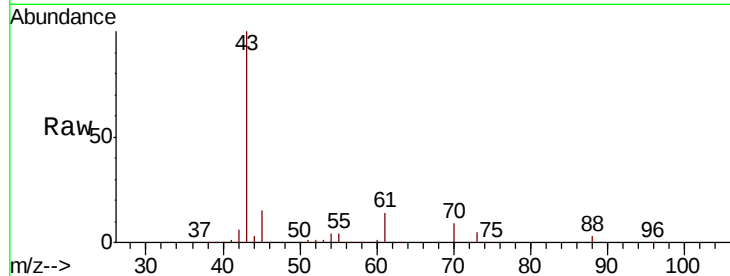
#37
Ethyl Acetate
Concen: 156.657 ug/l
RT: 4.38 min Scan# 998
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.3	15.5
70	9.1	7.0	10.6

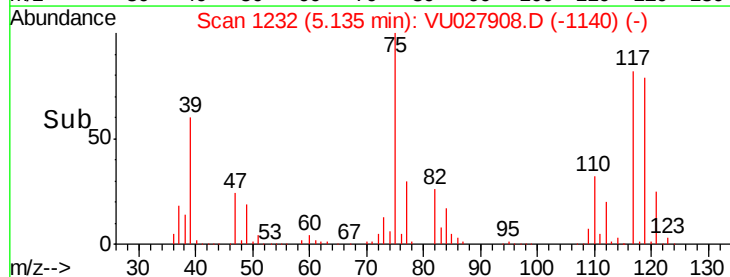
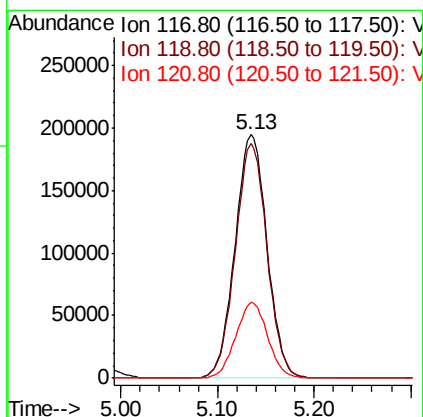
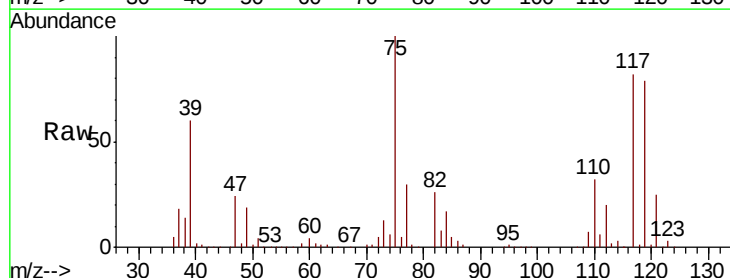
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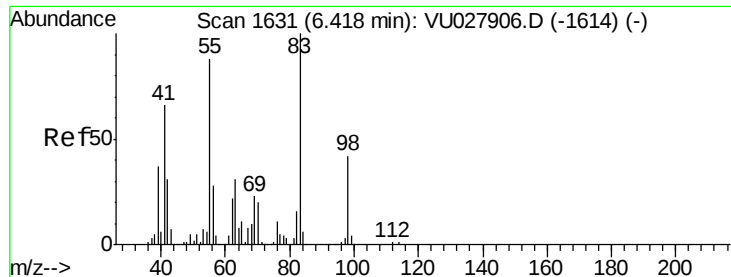
MMDadoda
11/2/2018 9:00:21 AM



#38
Carbon Tetrachloride
Concen: 142.196 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.0	114.0
121	31.1	24.5	36.7





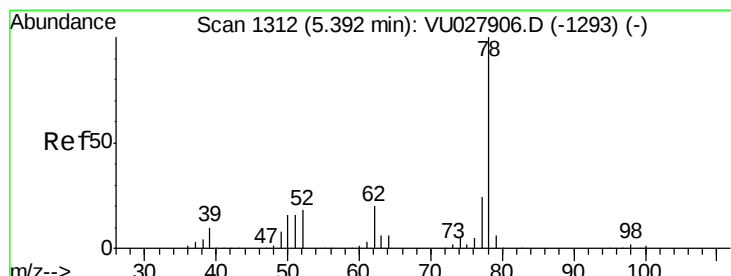
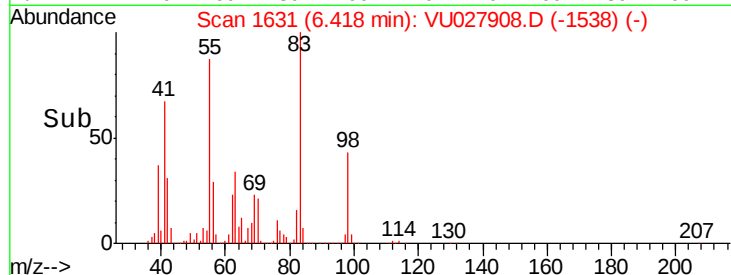
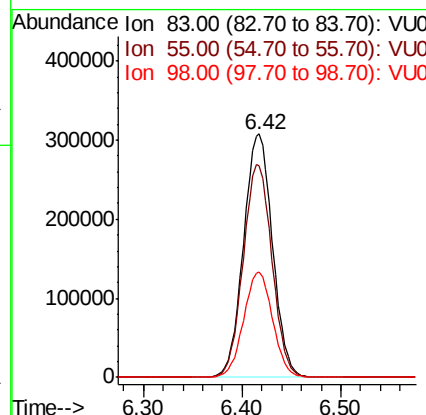
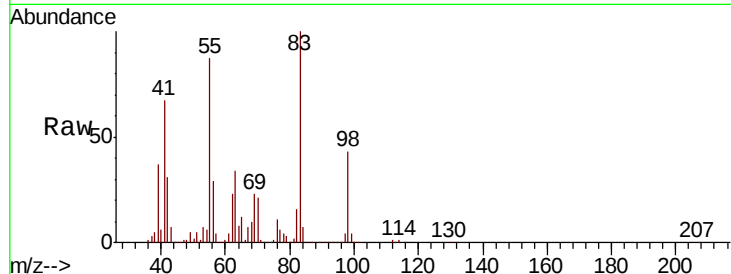
#39
Methvlcvclohexane
Concen: 152.997 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	70.3	105.5
98	43.4	34.0	51.0

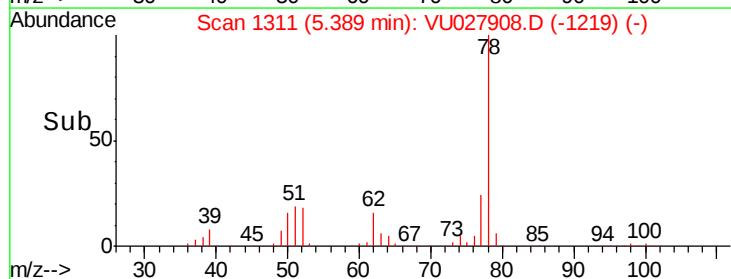
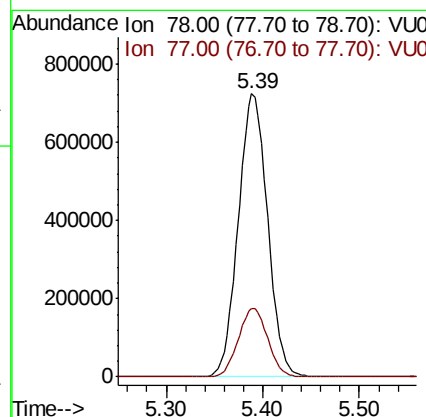
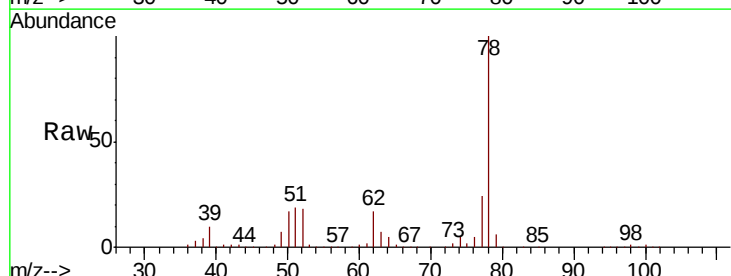
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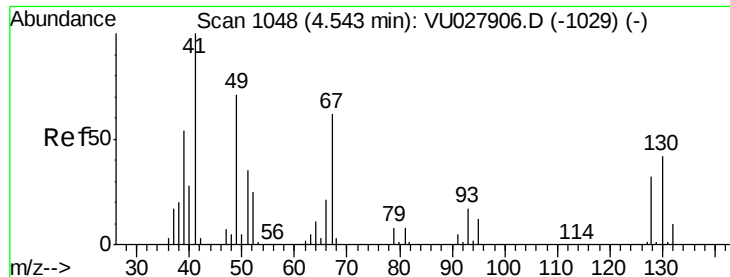
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#40
Benzene
Concen: 148.222 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9





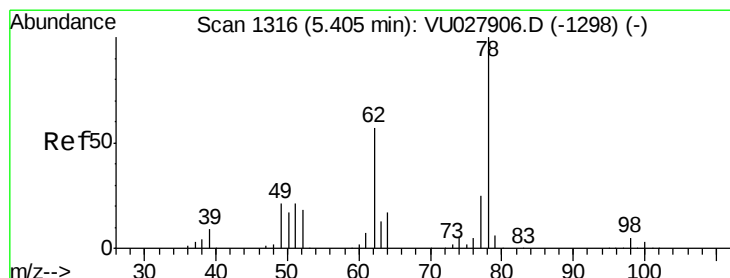
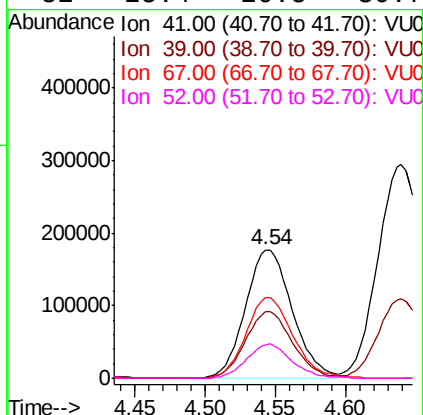
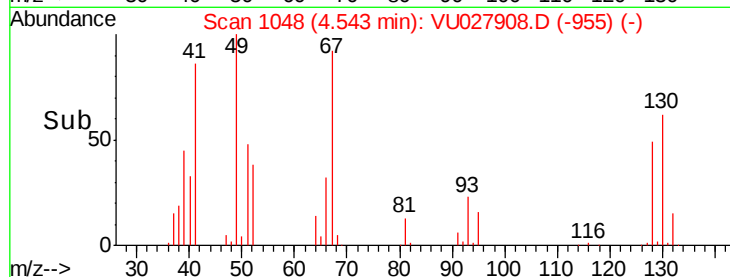
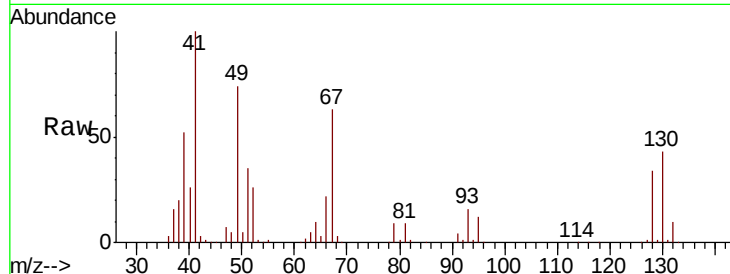
#41
Methacrylonitrile
Concen: 157.590 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		410180		
39	51.9	42.2	63.4		
67	63.2	49.5	74.3		
52	25.4	20.5	30.7		

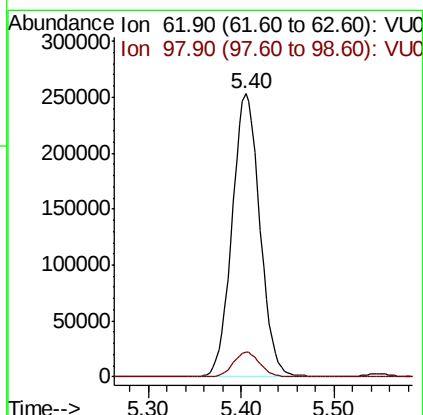
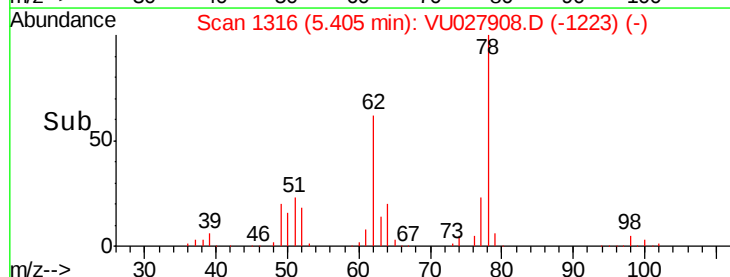
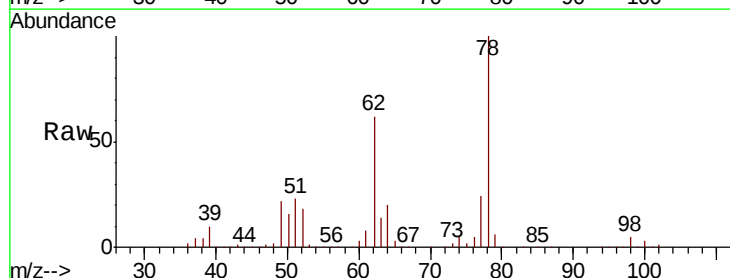
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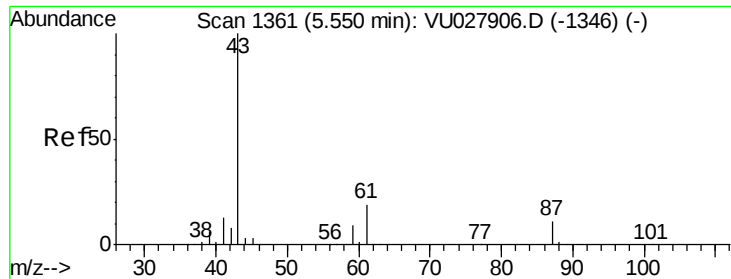
MMDadoda
11/2/2018 9:00:21 AM



#42
1,2-Dichloroethane
Concen: 139.072 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		524620		
98	8.3	0.0	17.2		





#43

Isopropyl Acetate

Concen: 163.442 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1168330

Ion Ratio Lower Upper

43 100

61 19.1 15.0 22.4

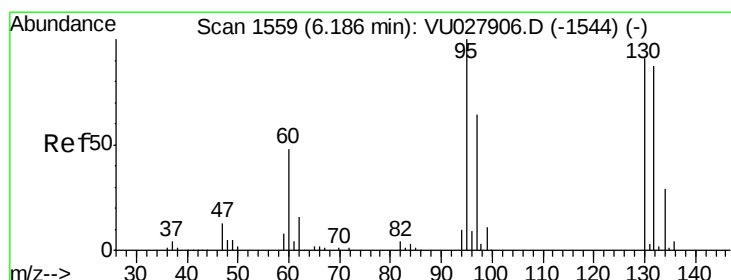
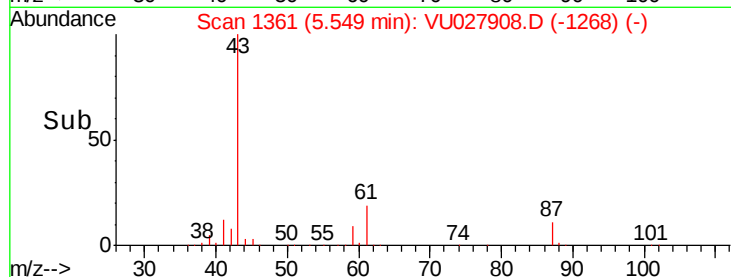
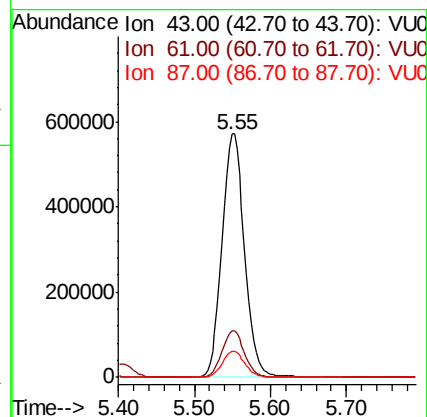
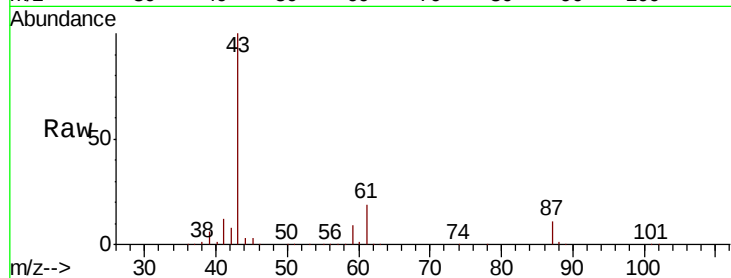
87 10.8 8.6 12.8

Manual Integrations

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#44

Trichloroethene

Concen: 148.456 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027908.D

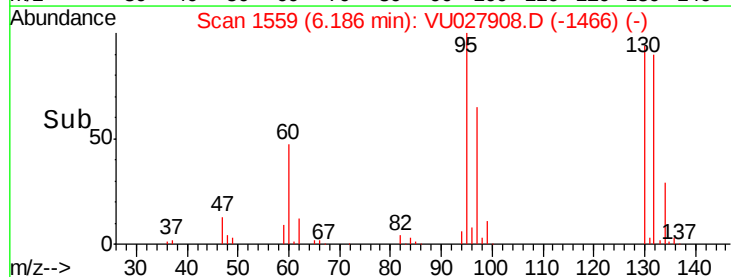
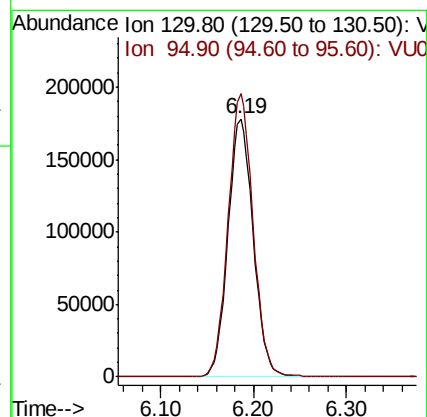
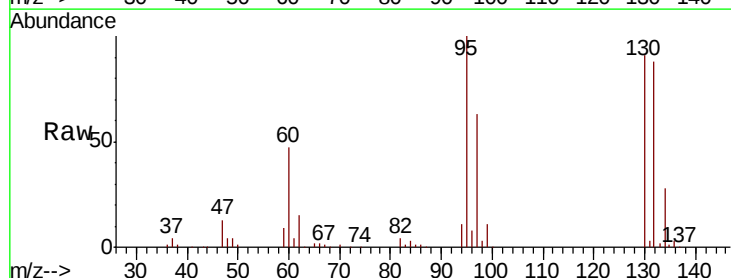
Acq: 01 Nov 2018 20:22

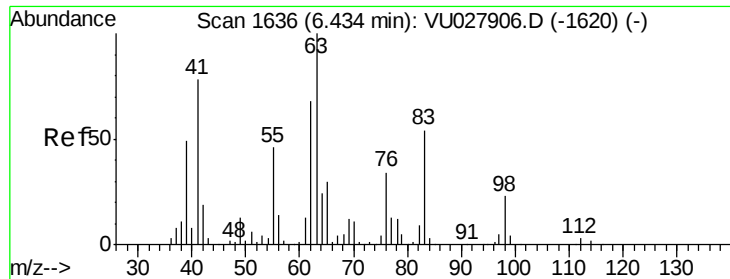
Tgt Ion:130 Resp: 337520

Ion Ratio Lower Upper

130 100

95 109.8 0.0 219.2





#45

1,2-Dichloropropane

Concen: 149.727 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 442350

Ion Ratio Lower Upper

63 100

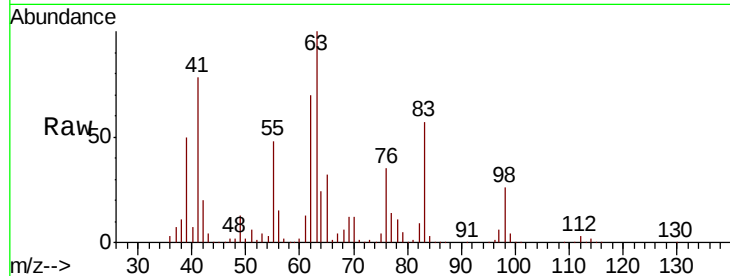
65 32.2 24.4 36.6

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11/2/2018 9:00:21 AM



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

250000

200000

150000

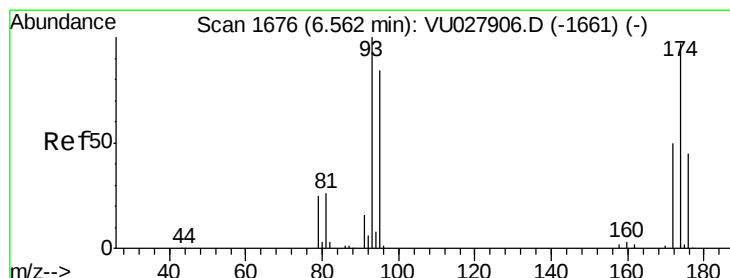
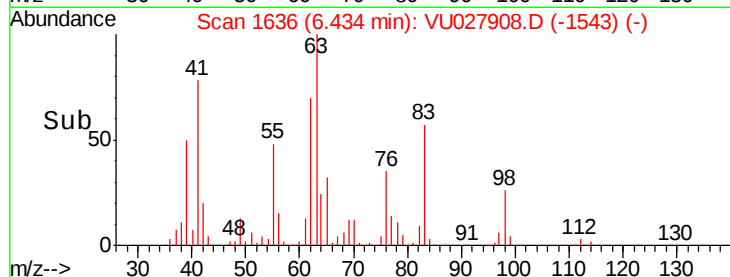
100000

50000

0

6.40 6.50

Time-->



#46

Dibromomethane

Concen: 154.518 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

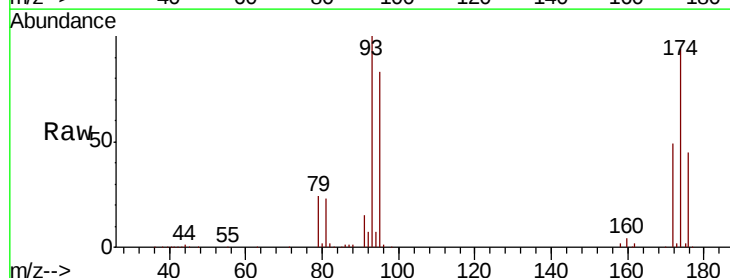
Tgt Ion: 93 Resp: 257961

Ion Ratio Lower Upper

93 100

95 83.4 68.5 102.7

174 95.1 76.1 114.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

6.56

150000

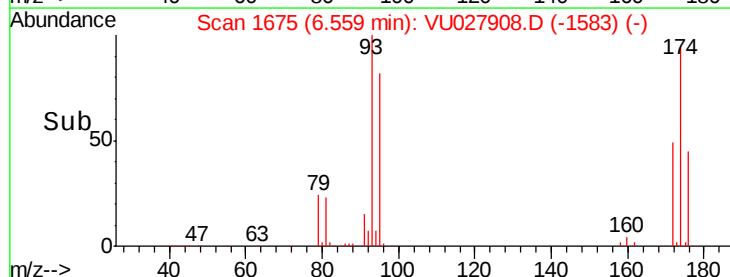
100000

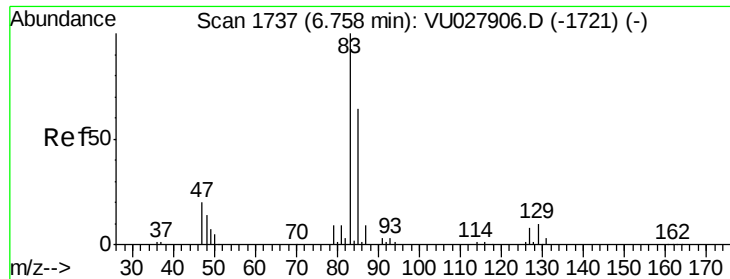
50000

0

6.50 6.55 6.60 6.65

Time-->





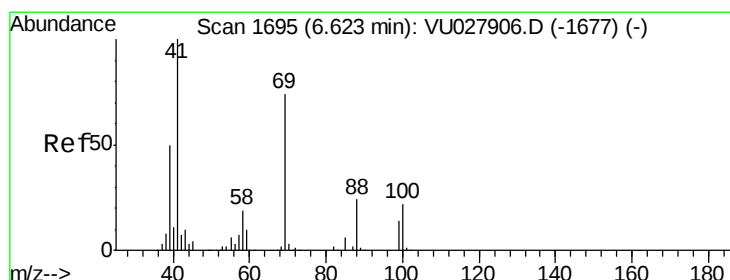
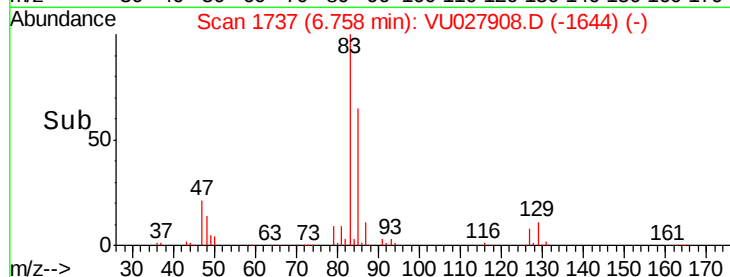
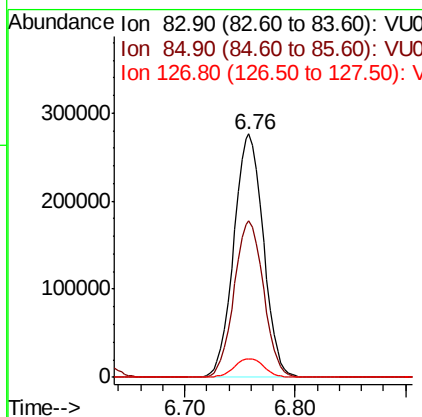
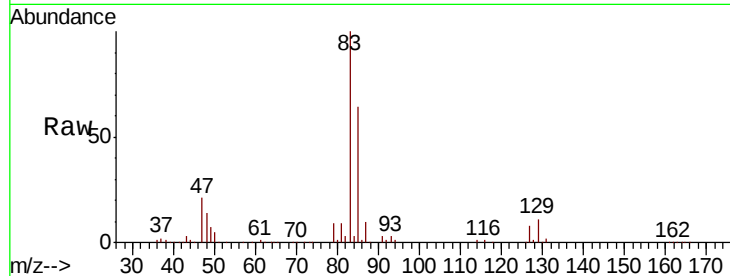
#47
Bromodichloromethane
Concen: 149.163 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.0	76.6
127	7.7	6.2	9.4

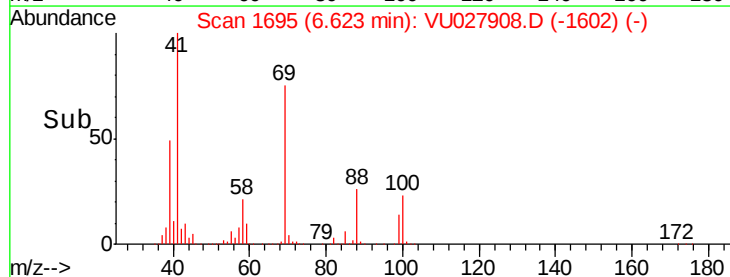
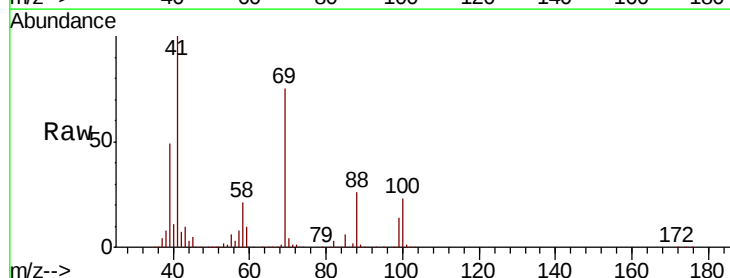
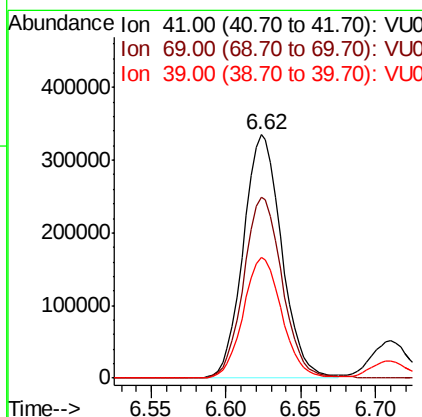
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11/2/2018 9:00:21 AM



#48
Methyl methacrylate
Concen: 167.424 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.5	59.8	89.8
39	49.8	40.0	60.0





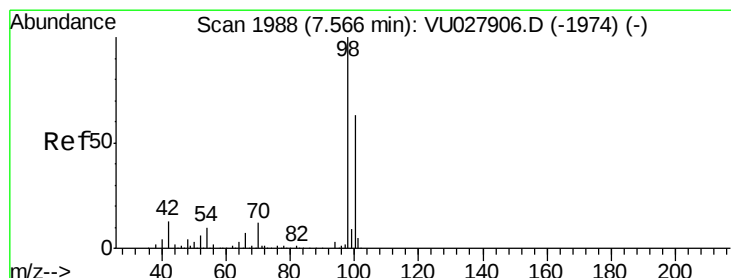
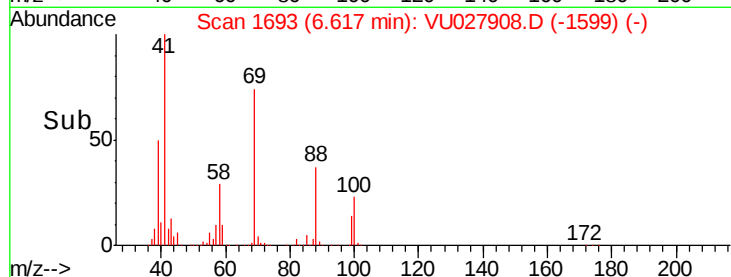
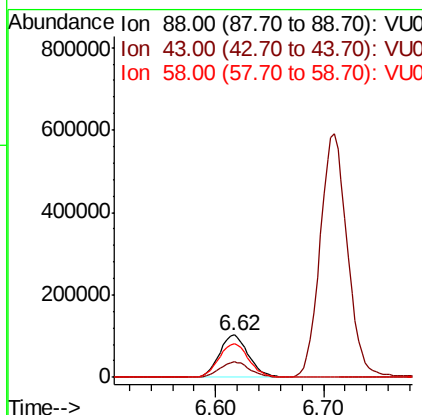
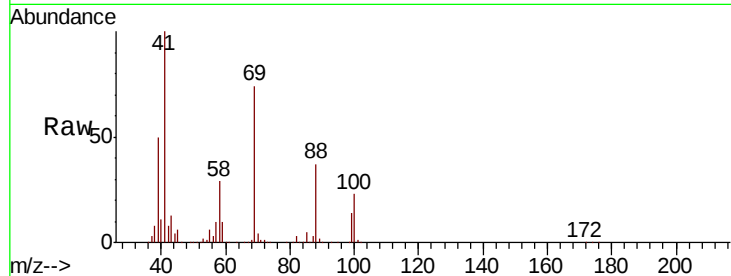
#49
1,4-Dioxane
Concen: 3162.048 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	191851		
43	37.2		30.5	45.7
58	82.5		67.1	100.7

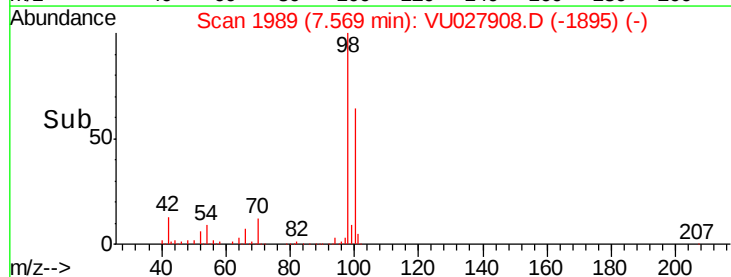
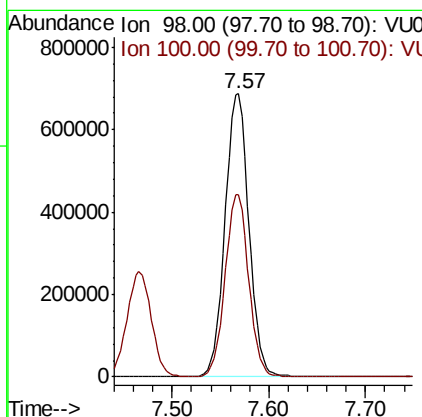
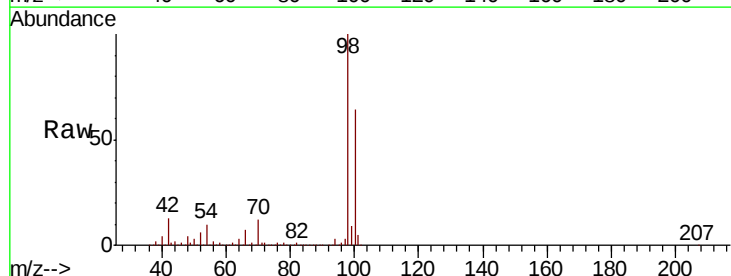
Manual Integrations
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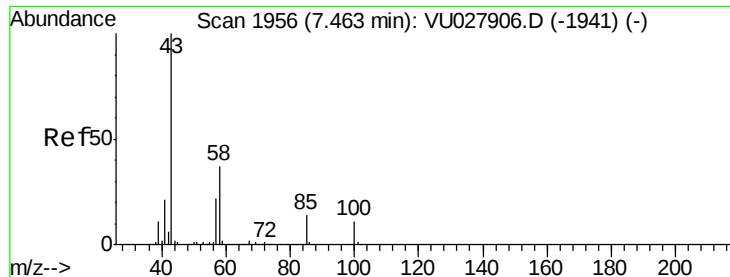
MMDadoda
11/2/2018 9:00:21 AM



#50
Toluene-d8
Concen: 144.023 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1179552		
100	63.8		50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 850.023 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3972477

Ion Ratio Lower Upper

43 100

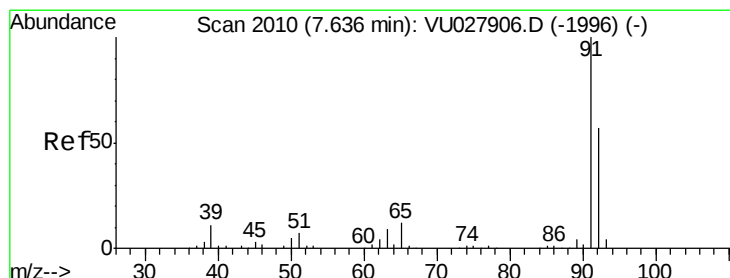
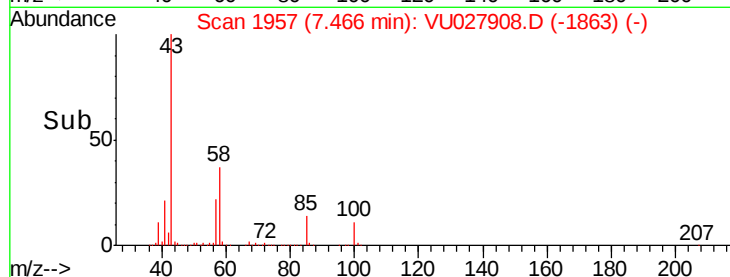
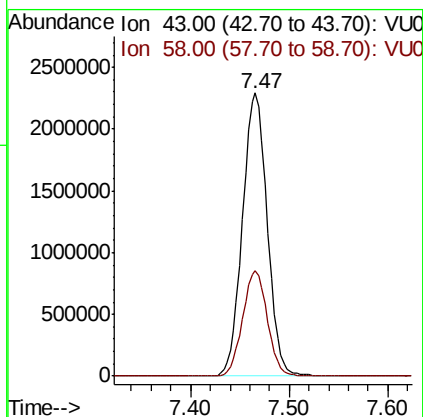
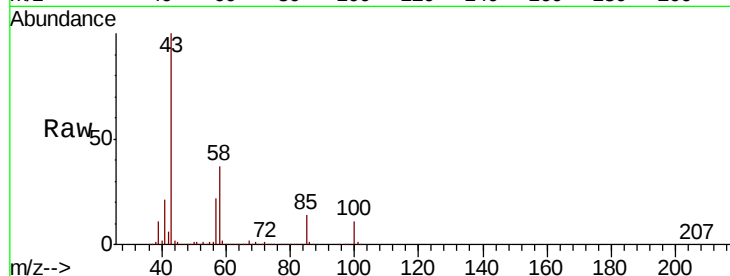
58 37.2 29.5 44.3

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#52

Toluene

Concen: 151.801 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027908.D

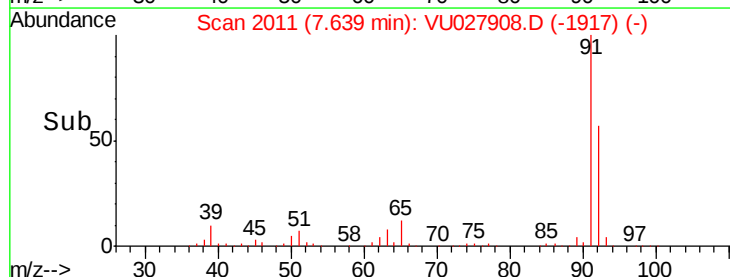
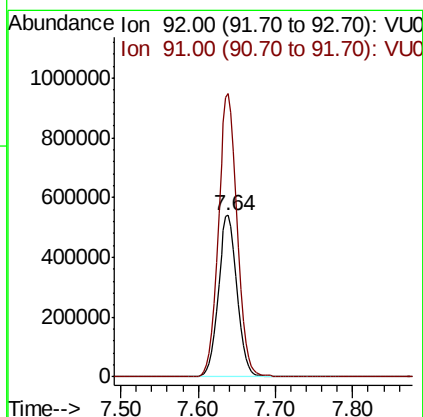
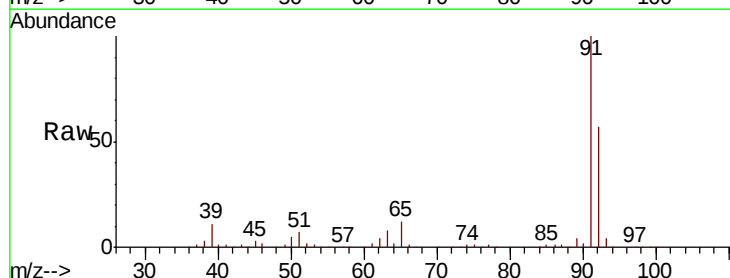
Acq: 01 Nov 2018 20:22

Tgt Ion: 92 Resp: 919002

Ion Ratio Lower Upper

92 100

91 176.2 141.2 211.8





#53

t-1,3-Dichloropropene

Concen: 155.418 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 625153

Ion Ratio Lower Upper

75 100

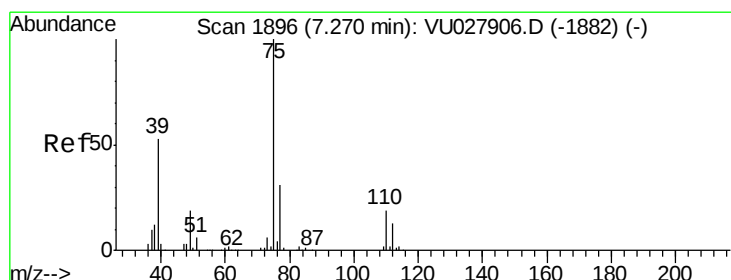
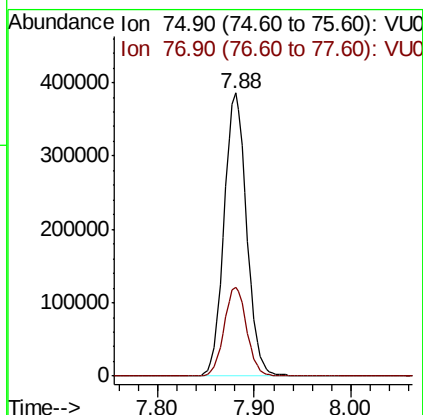
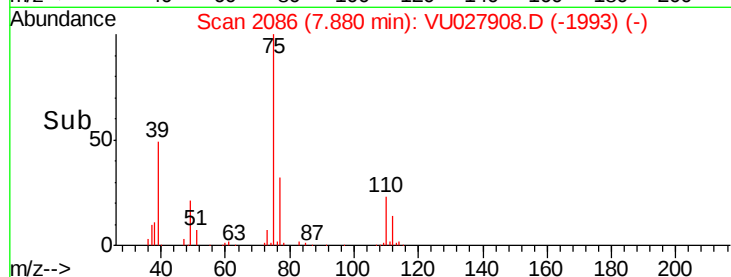
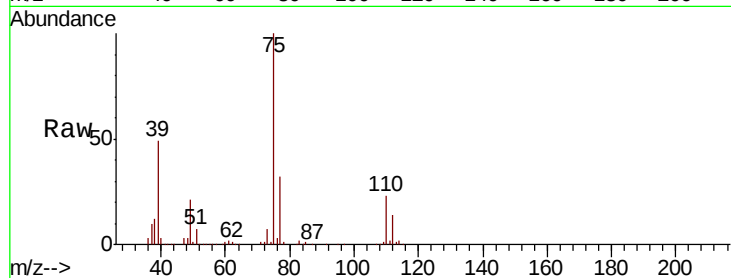
77 31.6 25.1 37.7

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11/2/2018 9:00:21 AM



#54

cis-1,3-Dichloropropene

Concen: 150.578 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

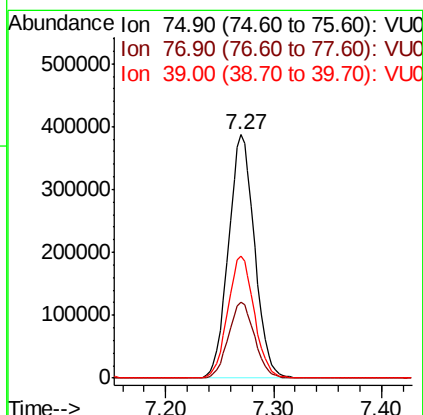
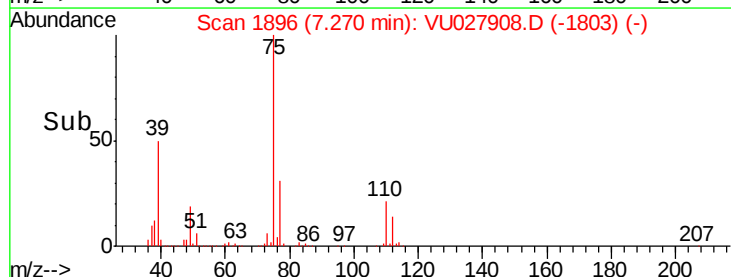
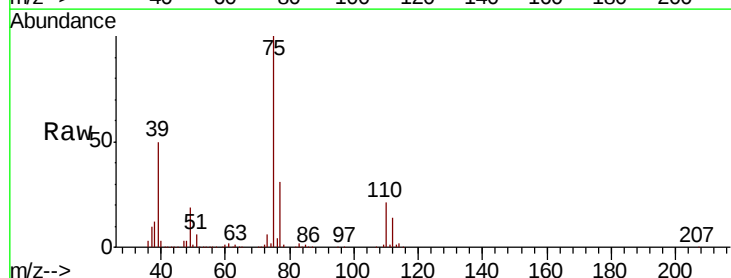
Tgt Ion: 75 Resp: 651668

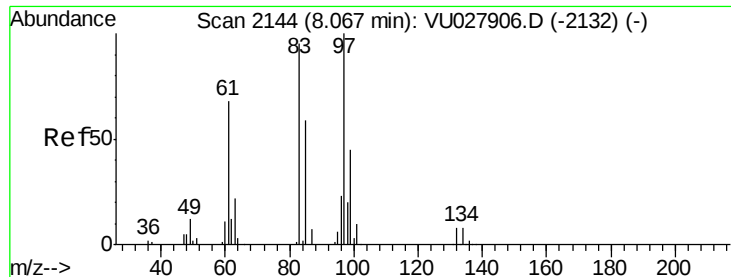
Ion Ratio Lower Upper

75 100

77 31.3 24.6 37.0

39 50.2 42.6 64.0





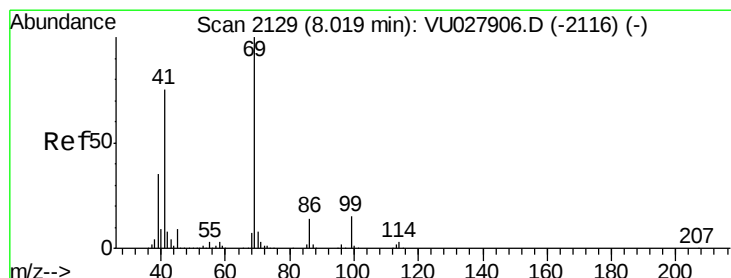
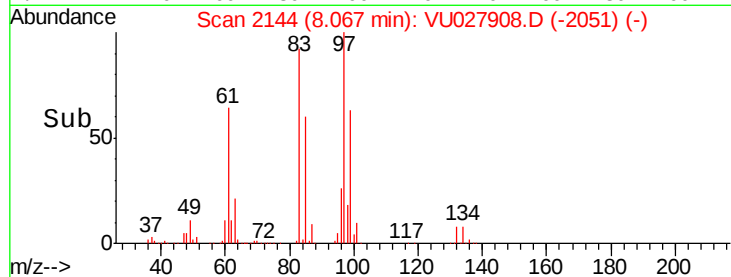
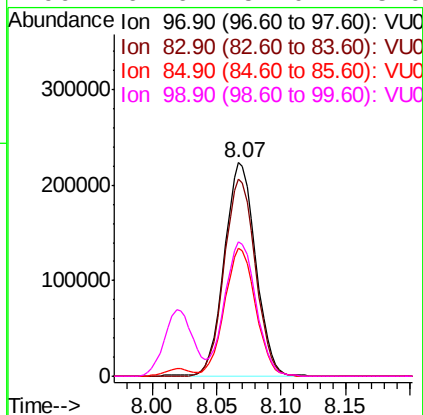
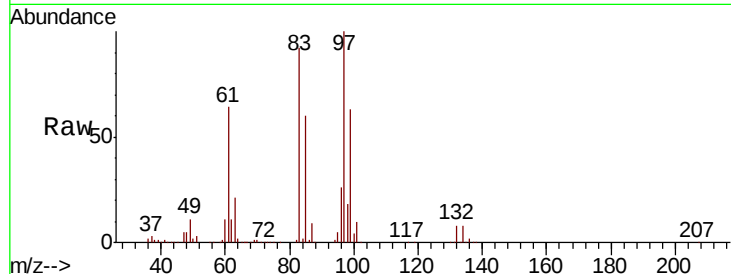
#55
 1,1,2-Trichloroethane
 Concen: 156.091 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	374704
Ion	Ratio	Lower	Upper
97	100		
83	92.1	76.1	114.1
85	59.9	48.9	73.3
99	62.6	52.0	78.0

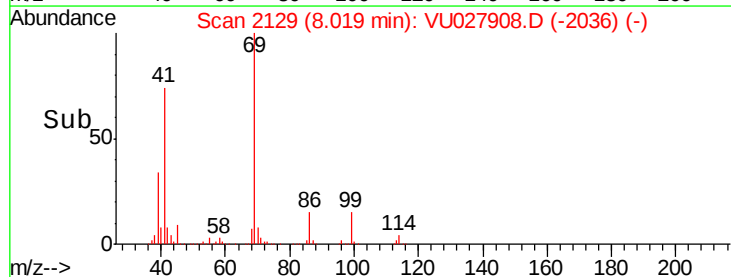
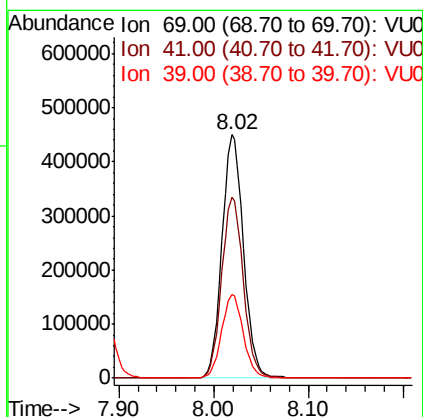
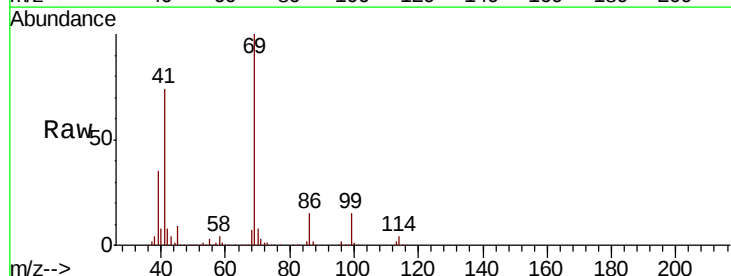
Manual Integrations
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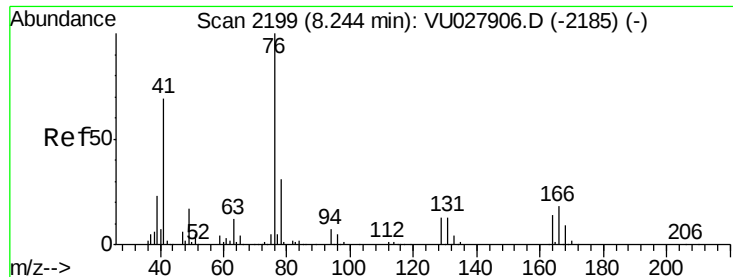
MMDadoda
 11/2/2018 9:00:21 AM



#56
 Ethyl methacrylate
 Concen: 177.013 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. -0.00 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Tgt Ion:	69	Resp:	713395
Ion	Ratio	Lower	Upper
69	100		
41	74.6	59.8	89.6
39	34.3	28.6	42.8





#57

1,3-Dichloropropane

Concen: 146.836 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 681772

Ion Ratio Lower Upper

76 100

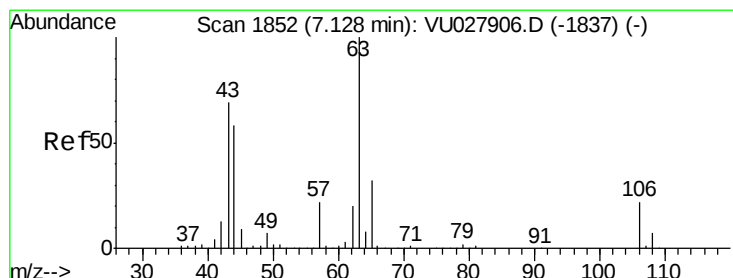
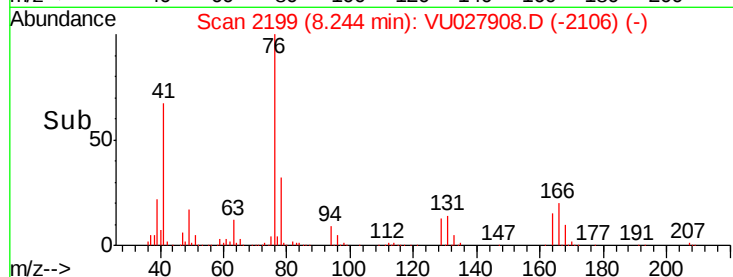
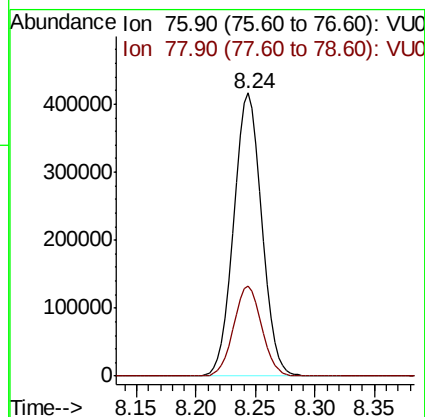
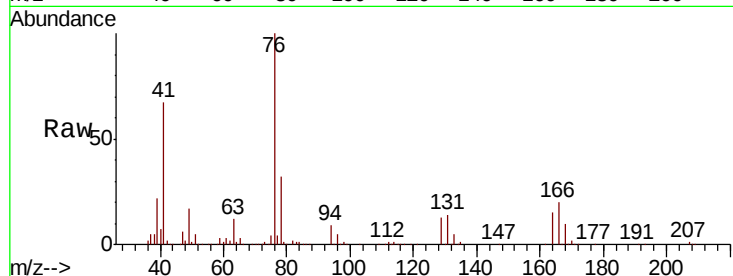
78 31.9 25.3 37.9

Manual Integrations

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11/2/2018 9:00:21 AM



#58

2-Chloroethyl Vinyl ether

Concen: 841.763 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VU027908.D

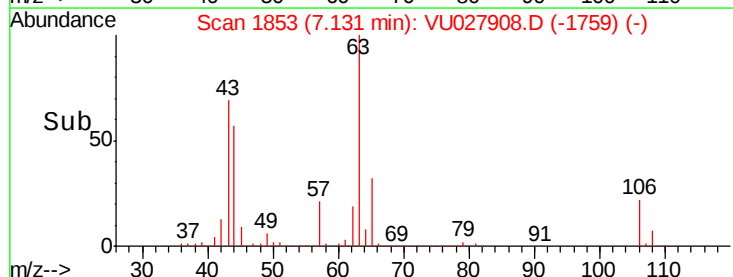
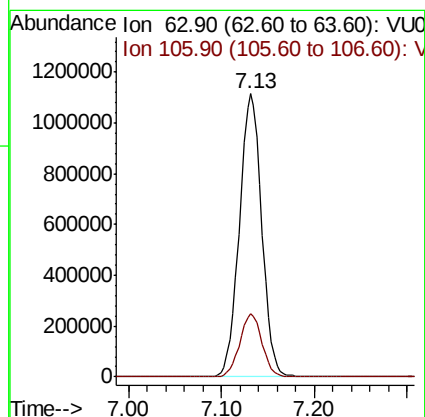
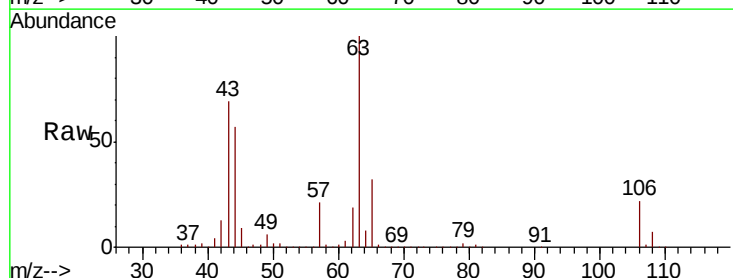
Acq: 01 Nov 2018 20:22

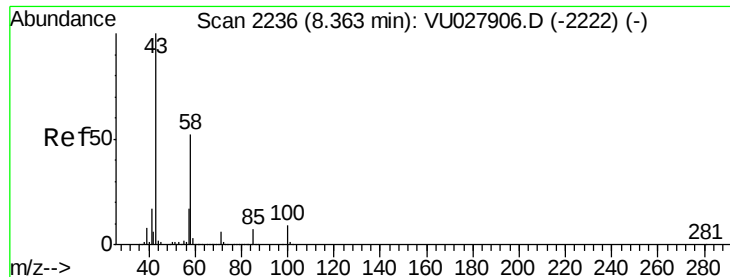
Tgt Ion: 63 Resp: 1857362

Ion Ratio Lower Upper

63 100

106 22.3 17.8 26.6





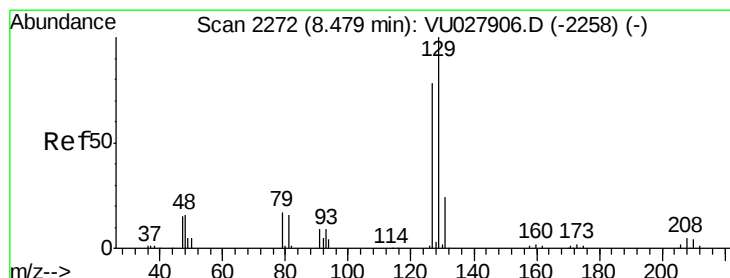
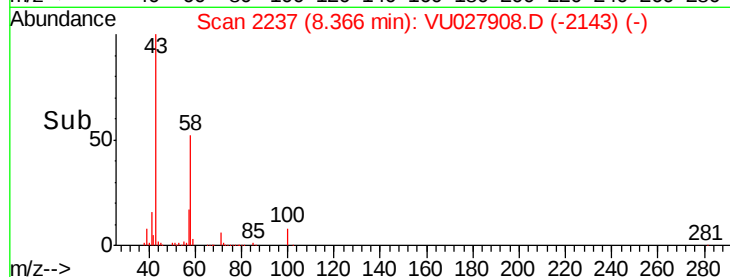
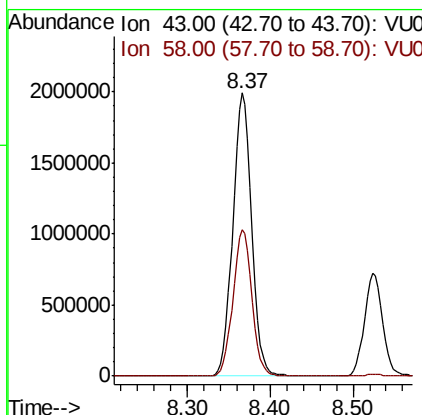
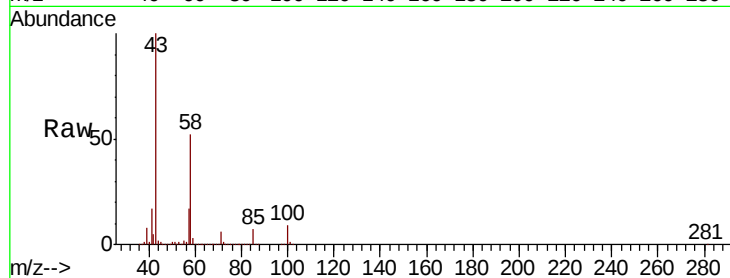
#59
2-Hexanone
Concen: 874.009 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3175173
Ion Ratio Lower Upper
43 100
58 52.1 25.8 77.3

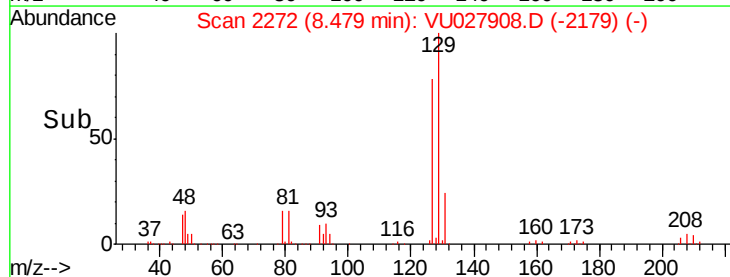
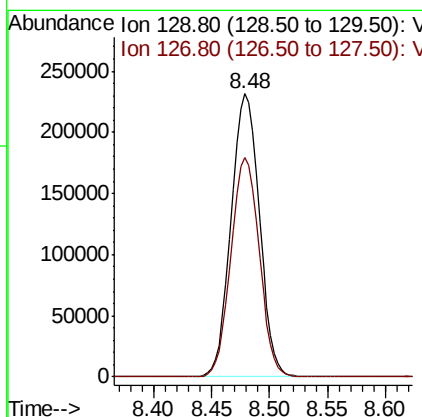
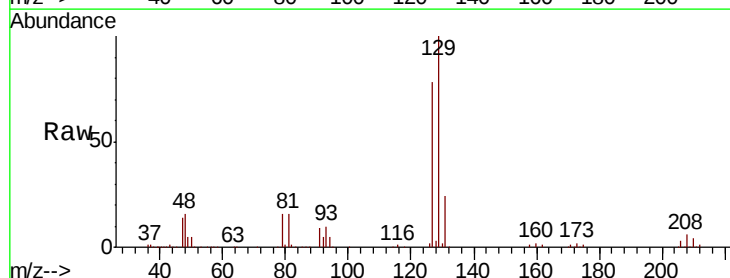
Manual Integrations
APPROVED

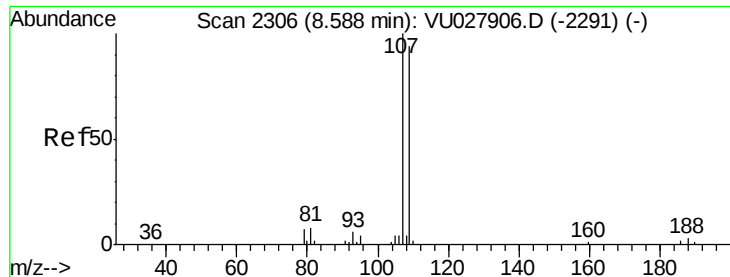
MMDadoda
11/2/2018 9:00:21 AM



#60
Dibromochloromethane
Concen: 161.990 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion: 129 Resp: 390678
Ion Ratio Lower Upper
129 100
127 77.5 39.2 117.6





#61

1,2-Dibromoethane

Concen: 158.975 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 409860

Ion Ratio Lower Upper

107 100

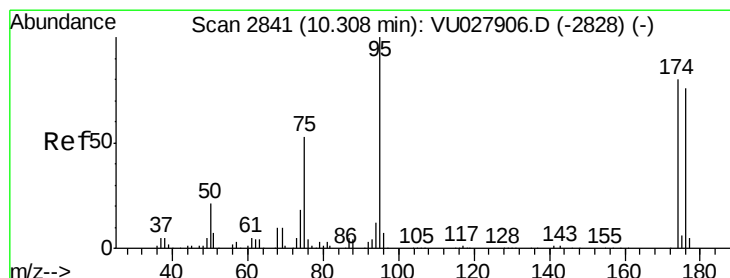
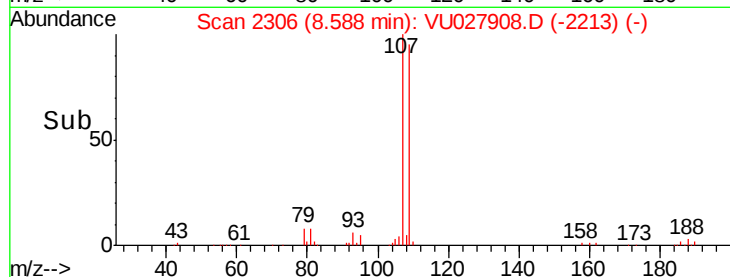
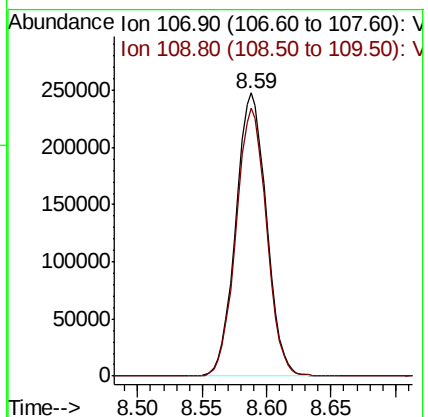
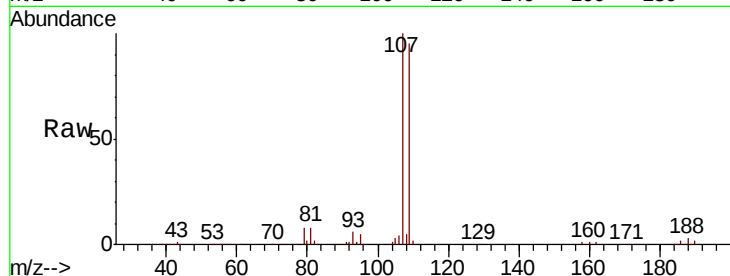
109 94.2 73.8 110.8

Manual Integrations

APPROVED

MMDadoda

11/2/2018 9:00:21 AM



#62

4-Bromofluorobenzene

Concen: 155.817 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

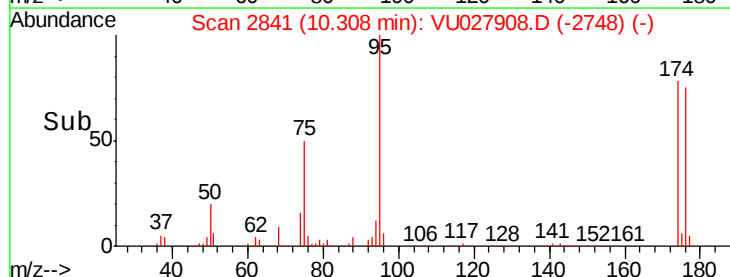
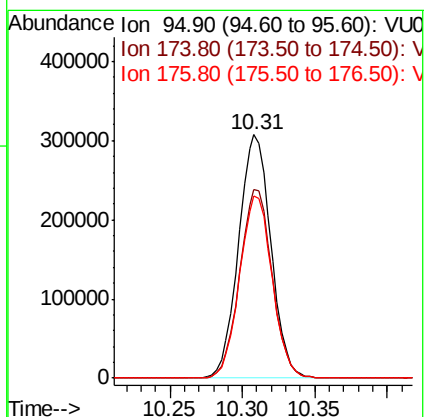
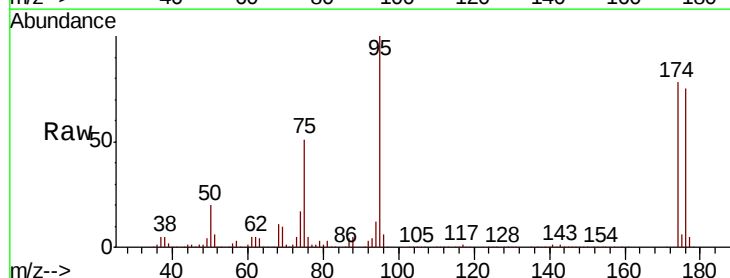
Tgt Ion: 95 Resp: 475436

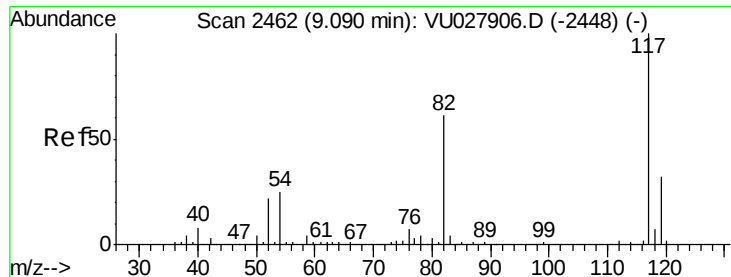
Ion Ratio Lower Upper

95 100

174 77.9 0.0 156.4

176 75.7 0.0 150.8





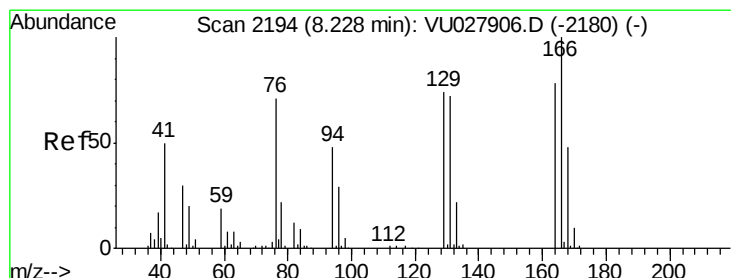
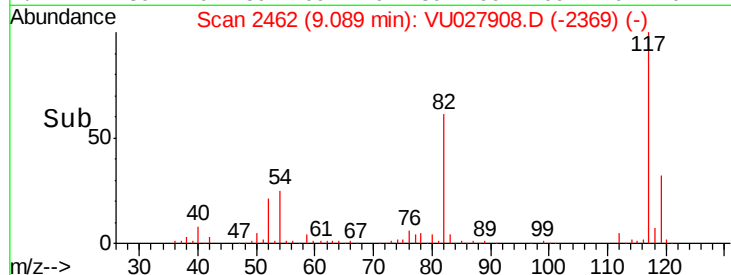
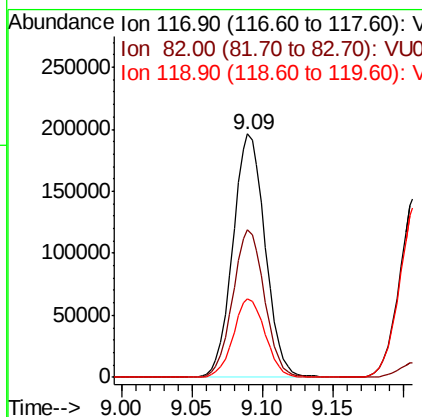
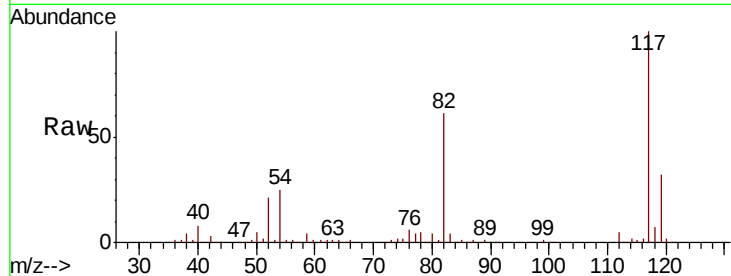
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	315259		
82	60.7	48.6	73.0	
119	32.4	25.8	38.8	

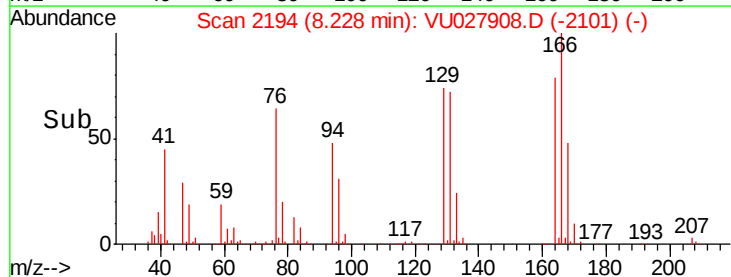
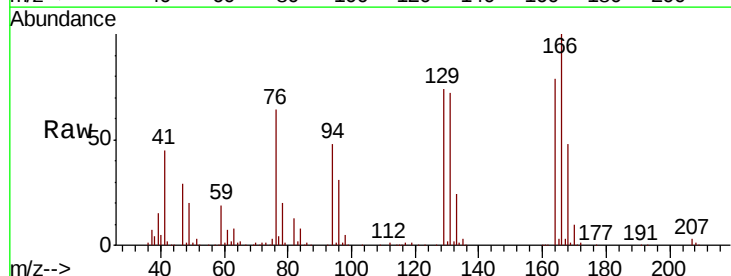
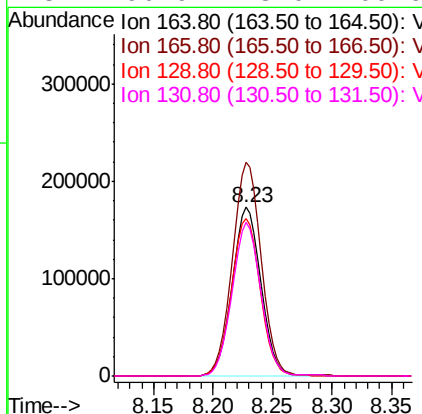
Manual Integrations
APPROVED

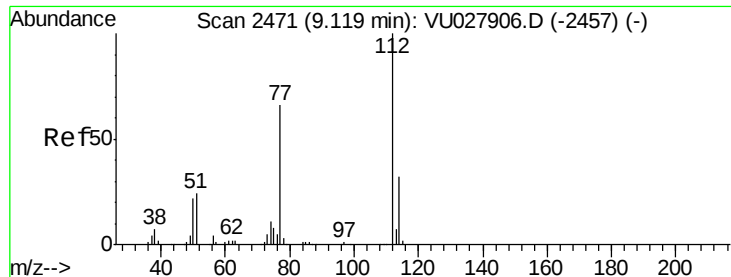
MMDadoda
11/2/2018 9:00:21 AM



#64
Tetrachloroethene
Concen: 148.218 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	290845		
166	126.6	102.1	153.1	
129	93.5	75.9	113.9	
131	90.9	73.0	109.6	





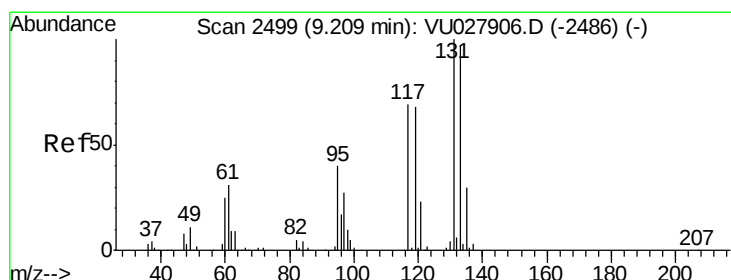
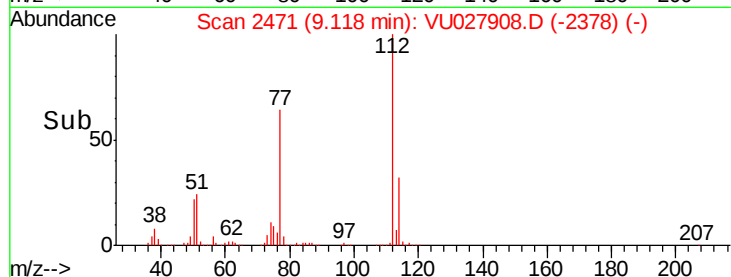
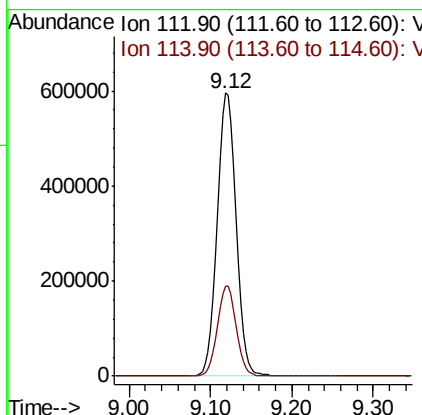
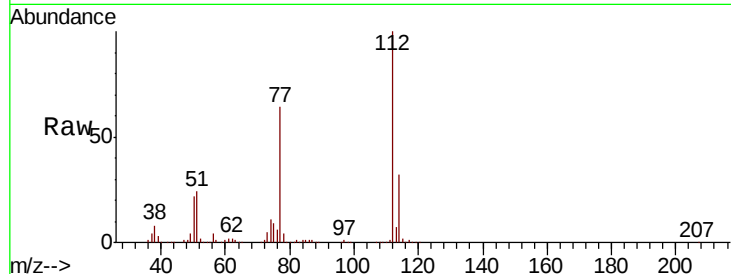
#65
Chlorobenzene
Concen: 147.998 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.2	37.8

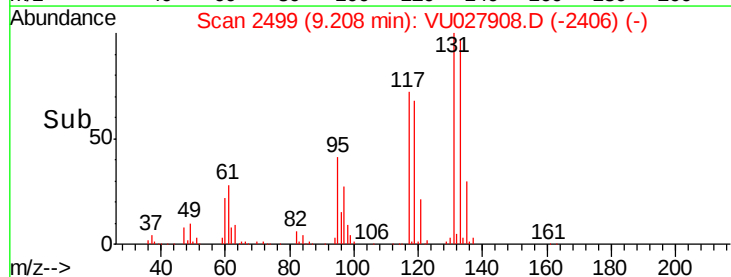
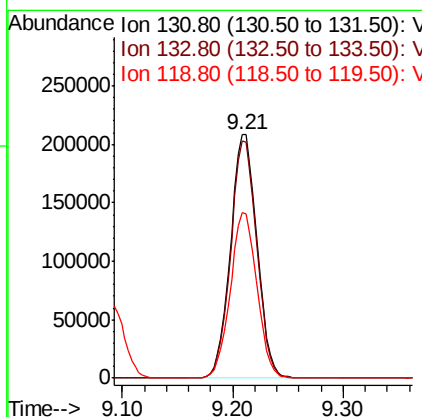
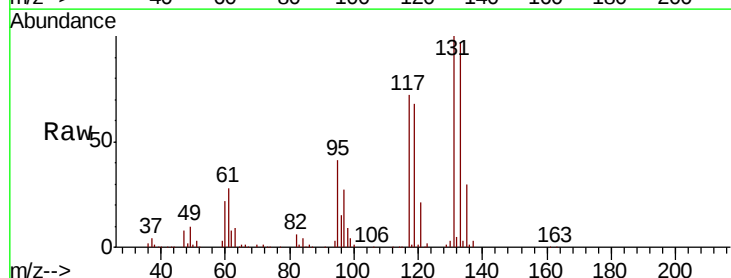
Manual Integrations
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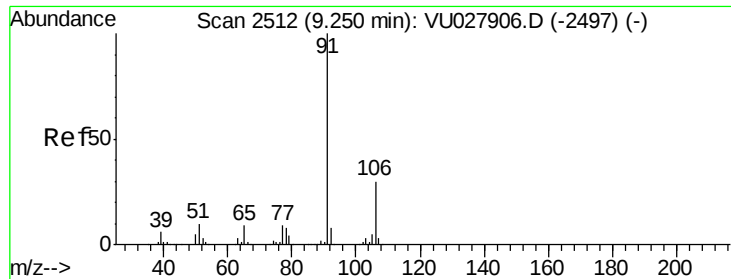
MMDadoda
11/2/2018 9:00:21 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 151.707 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.1	144.4
119	68.1	34.0	101.8





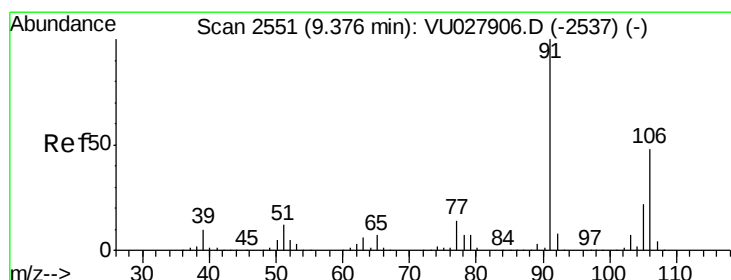
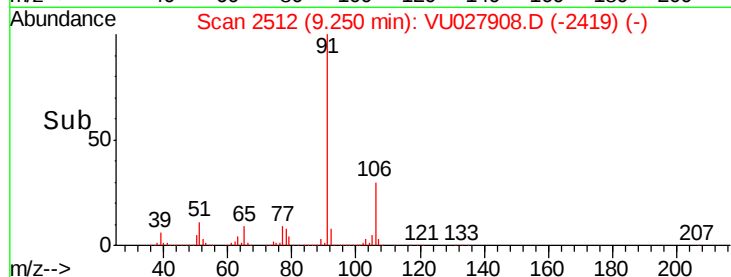
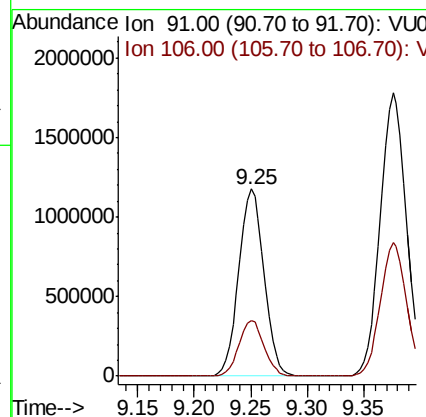
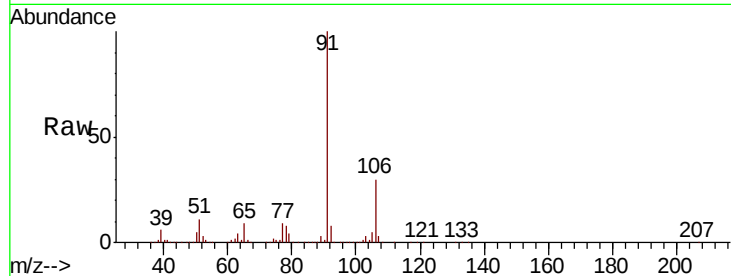
#67
Ethyl Benzene
Concen: 155.518 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1836823
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4

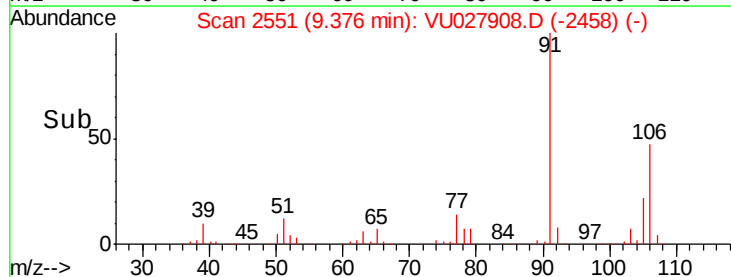
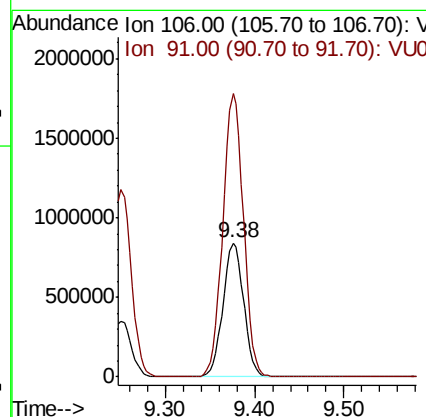
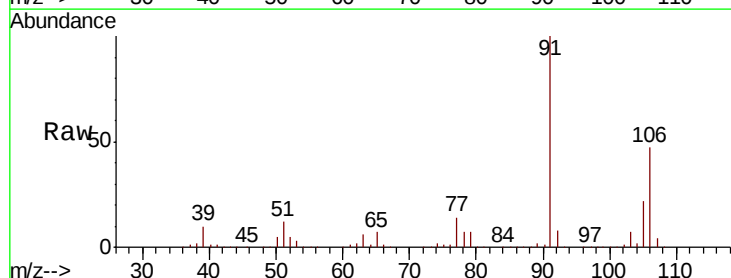
Manual Integrations
APPROVED

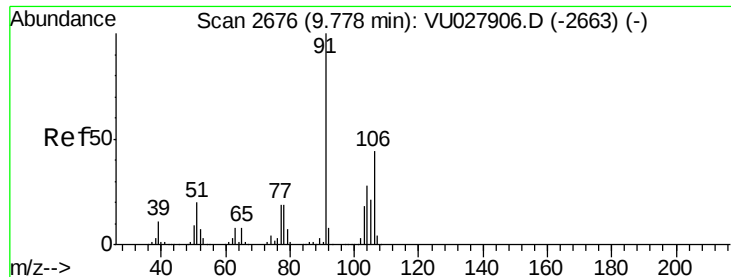
MMDadoda
11/2/2018 9:00:21 AM



#68
m/p-Xylenes
Concen: 313.155 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion: 106 Resp: 1348663
Ion Ratio Lower Upper
106 100
91 211.2 168.2 252.4





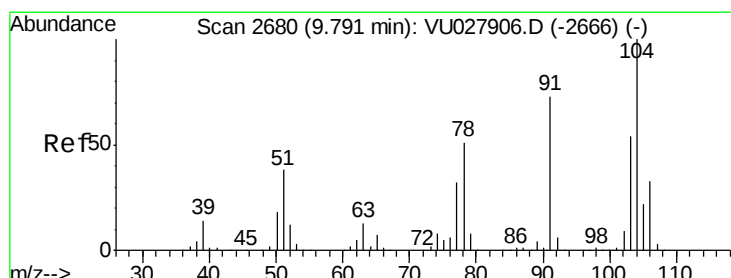
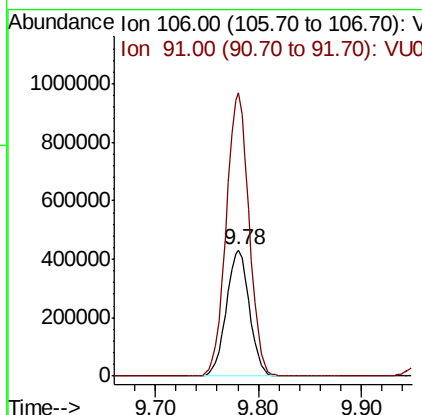
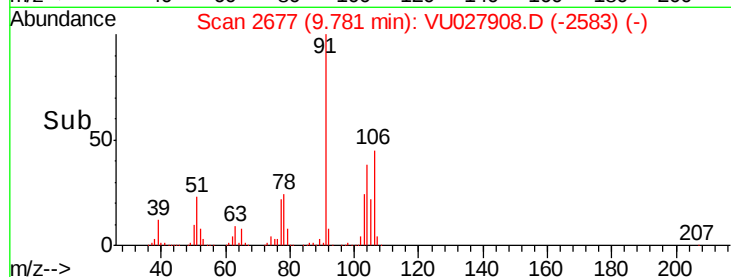
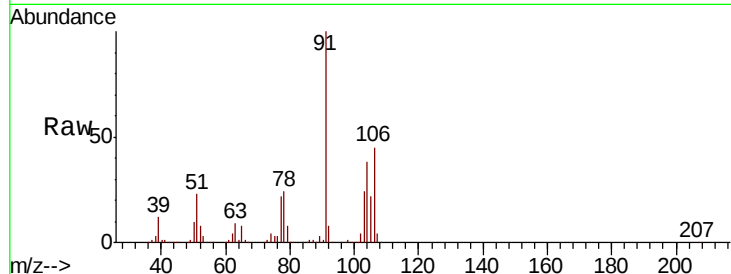
#69
o-Xylene
Concen: 162.920 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 669857
Ion Ratio Lower Upper
106 100
91 222.7 111.1 333.4

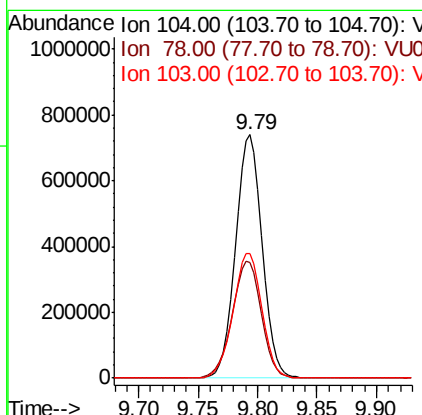
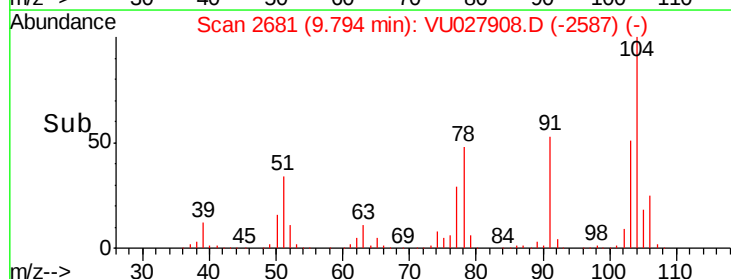
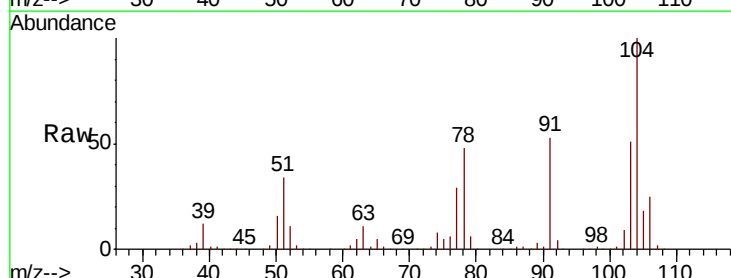
Manual Integrations
APPROVED

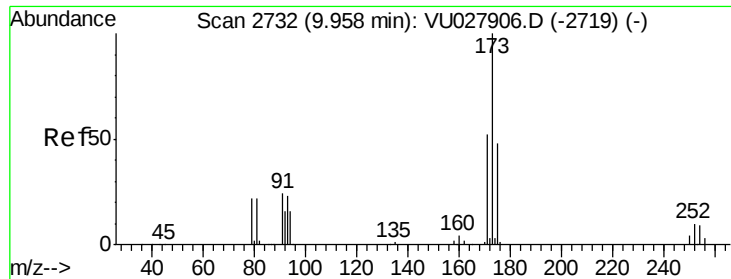
MMDadoda
11/2/2018 9:00:21 AM



#70
Styrene
Concen: 169.335 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion:104 Resp: 1143902
Ion Ratio Lower Upper
104 100
78 52.9 43.0 64.4
103 55.8 45.1 67.7





#71

Bromoform

Concen: 174.256 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

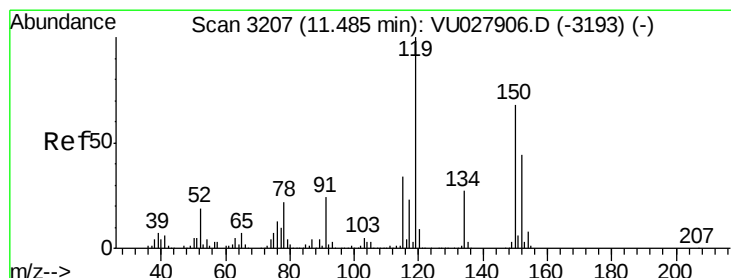
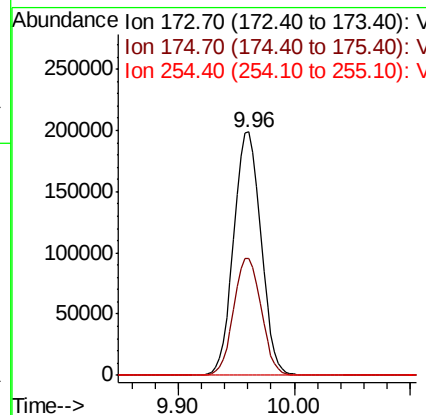
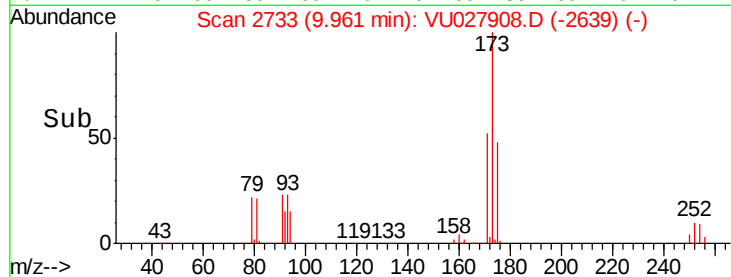
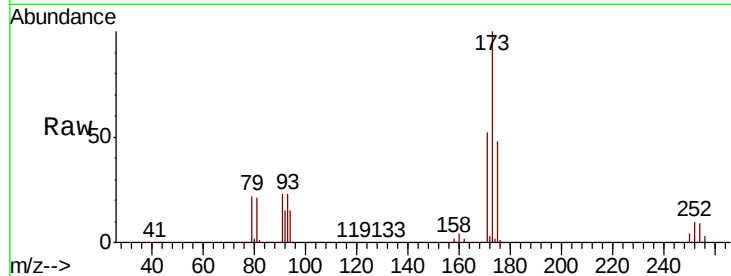
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.1	0.0	0.0

Manual Integrations
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11/2/2018 9:00:21 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

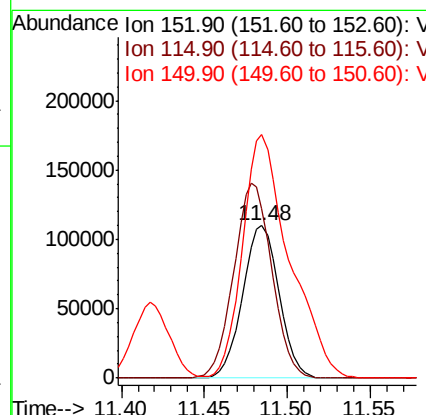
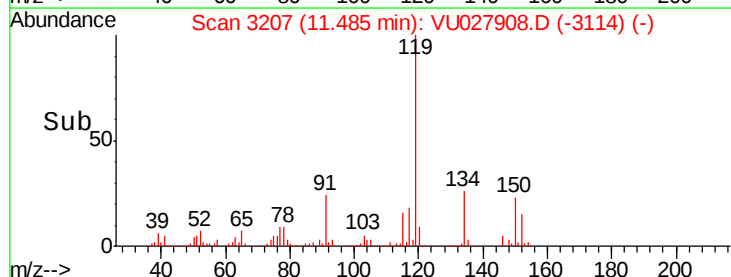
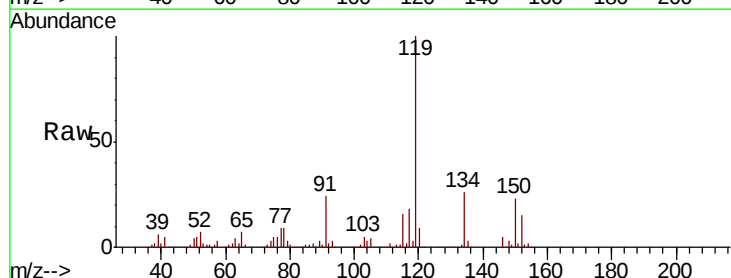
RT: 11.48 min Scan# 3207

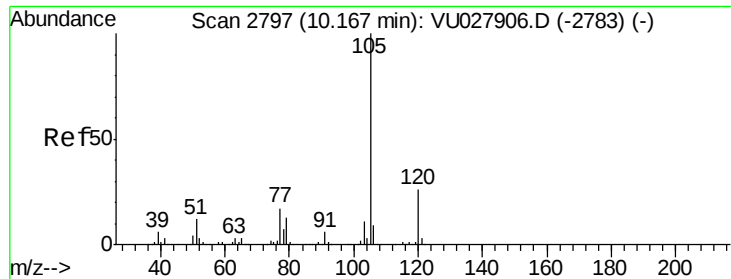
Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	133.7	43.0	129.0
150	205.9	0.0	349.4





#73

Isopropylbenzene

Concen: 147.767 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1801185

Ion Ratio Lower Upper

105 100

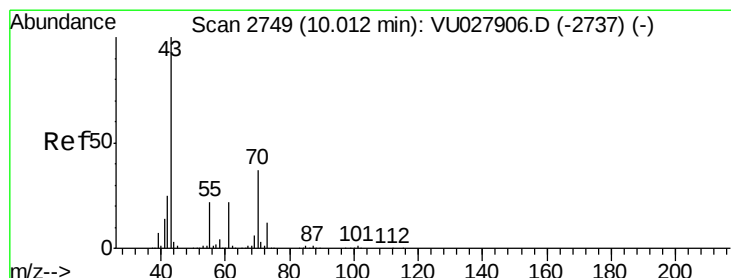
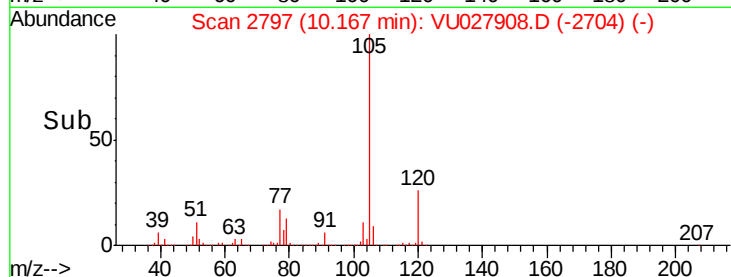
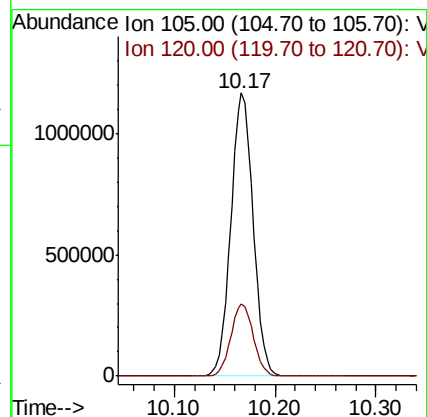
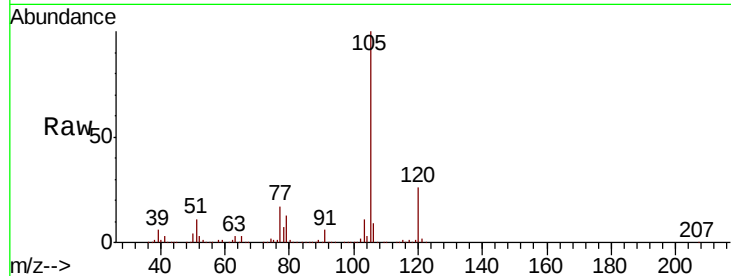
120 25.6 12.7 38.0

Manual Integrations

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11/2/2018 9:00:21 AM



#74

N-ethyl acetate

Concen: 162.152 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Tgt Ion: 43 Resp: 1154263

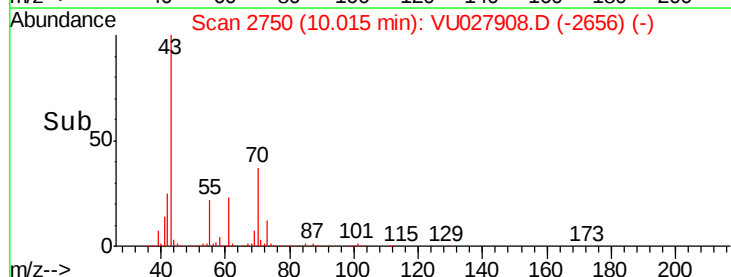
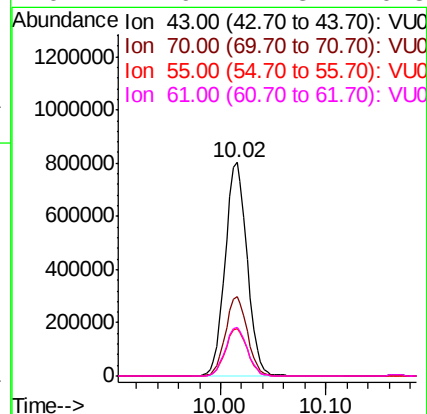
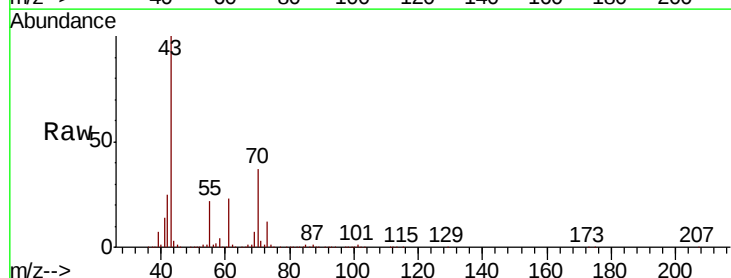
Ion Ratio Lower Upper

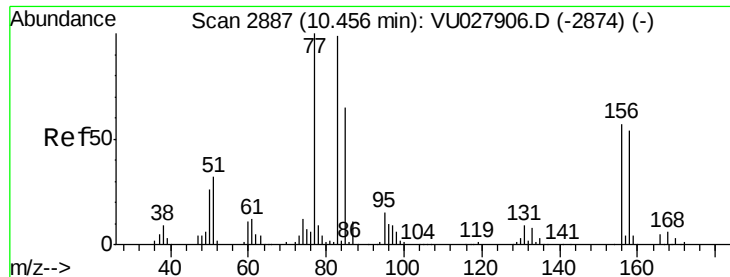
43 100

70 37.0 29.2 43.8

55 22.1 17.8 26.6

61 22.9 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 149.620 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 727042

Ion Ratio Lower Upper

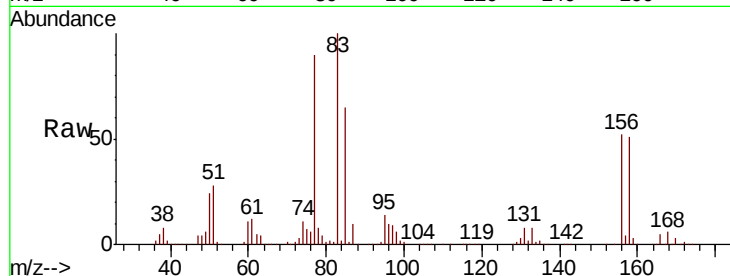
83 100

131 8.4 4.3 13.1

85 64.3 32.4 97.2

Manual Integrations
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MMDadoda
11/2/2018 9:00:21 AM



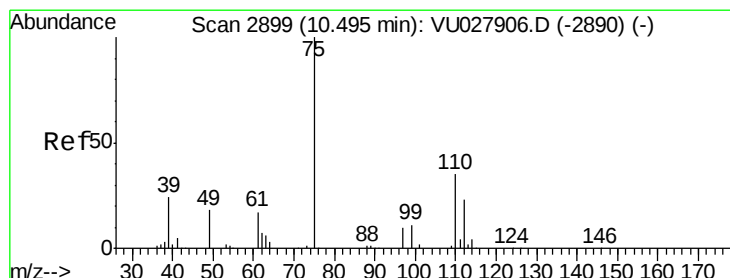
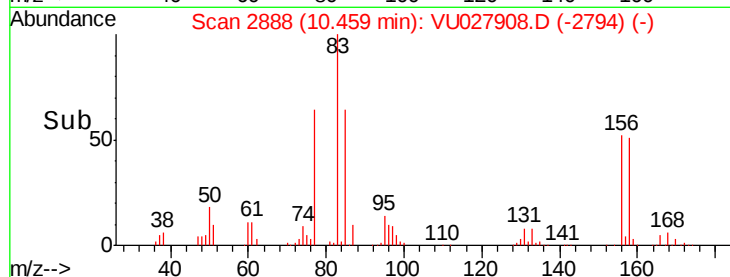
Abundance Ion 82.90 (82.60 to 83.60): VU027908.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027908.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027908.D (-2874) (-)

10.46

Time-->



#76

1,2,3-Trichloropropane

Concen: 147.679 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027908.D

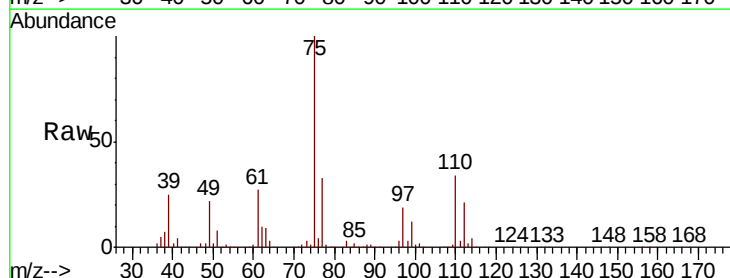
Acq: 01 Nov 2018 20:22

Tgt Ion: 75 Resp: 641868

Ion Ratio Lower Upper

75 100

77 42.7 21.6 64.6

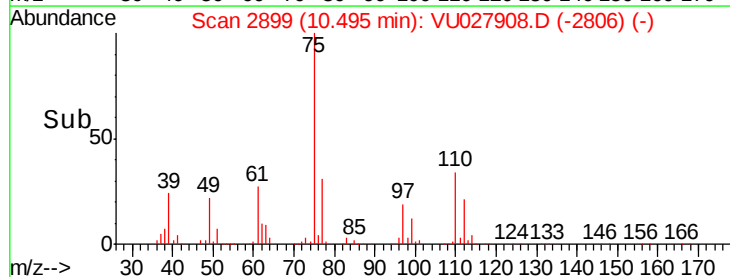


Abundance Ion 74.90 (74.60 to 75.60): VU027908.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027908.D (-2806) (-)

10.49

Time-->





#77

Bromobenzene

Concen: 151.533 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

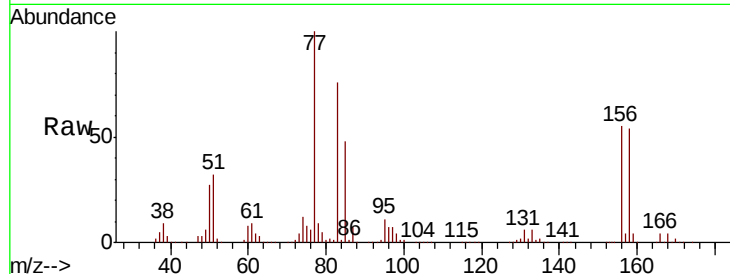
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	433589
Ion Ratio	Lower	Upper	
156	100		
77	181.8	91.8	275.6
158	97.3	48.4	145.2

Manual Integrations
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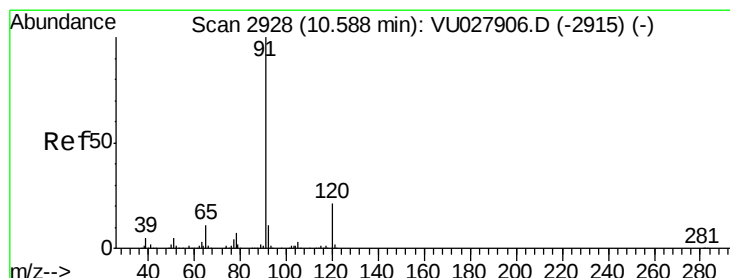
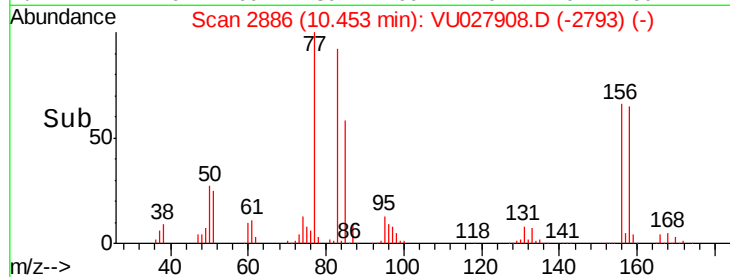
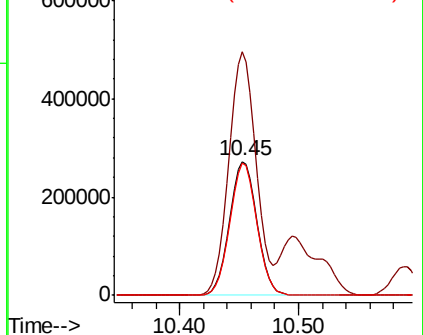
MMDadoda
11/2/2018 9:00:21 AM



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: 153.431 ug/l

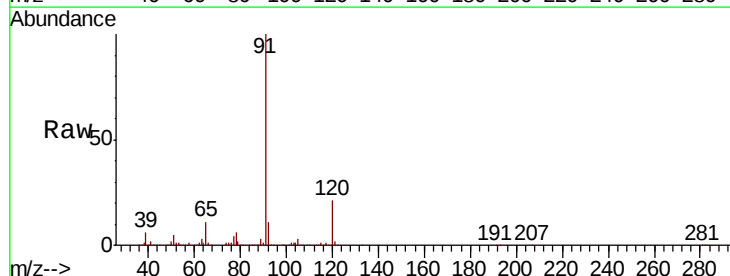
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027908.D

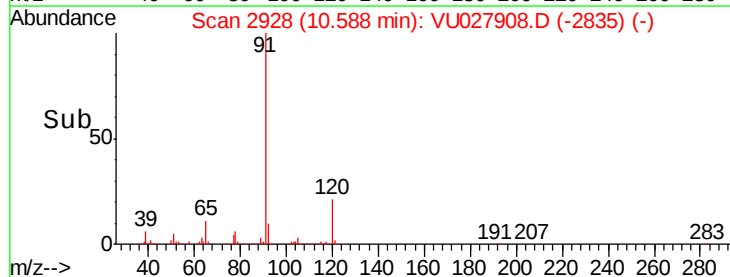
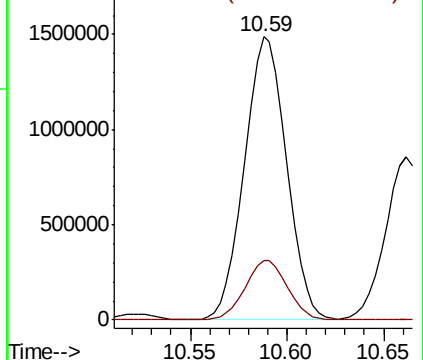
Acq: 01 Nov 2018 20:22

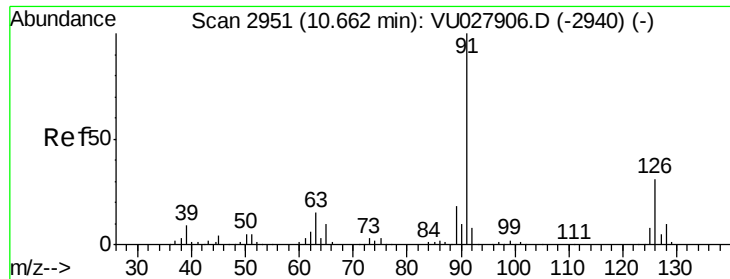
Tgt Ion:	91	Resp:	2249706
Ion Ratio	Lower	Upper	
91	100		
120	21.1	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





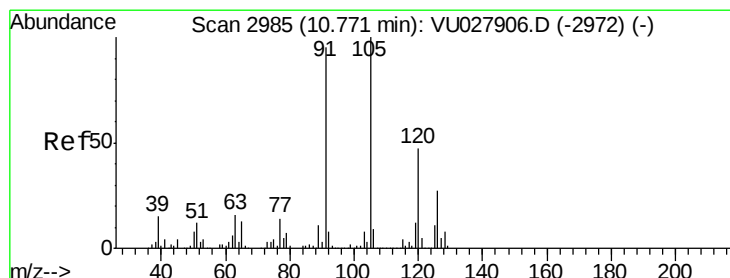
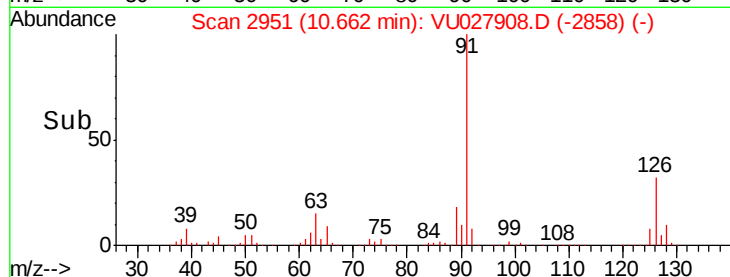
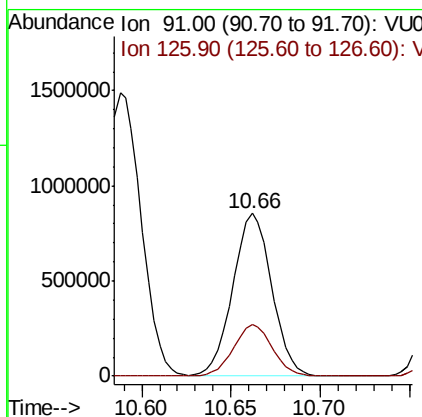
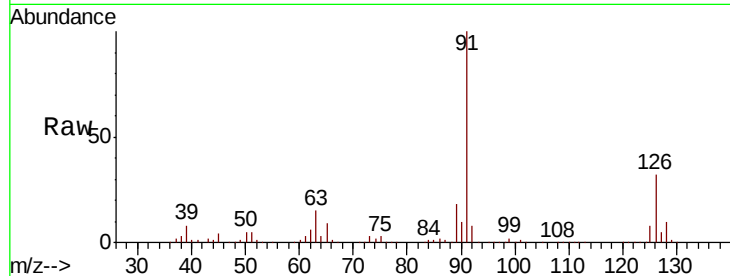
#79
2-Chlorotoluene
Concen: 146.691 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1298800
Ion Ratio Lower Upper
91 100
126 31.6 16.0 47.9

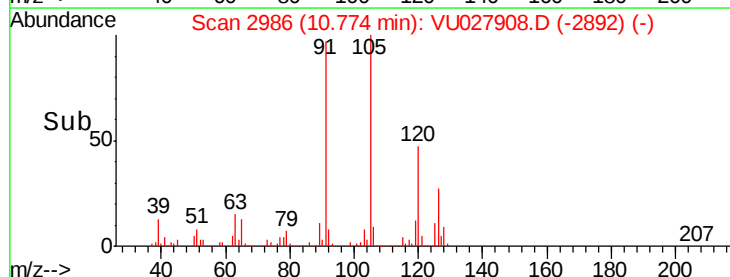
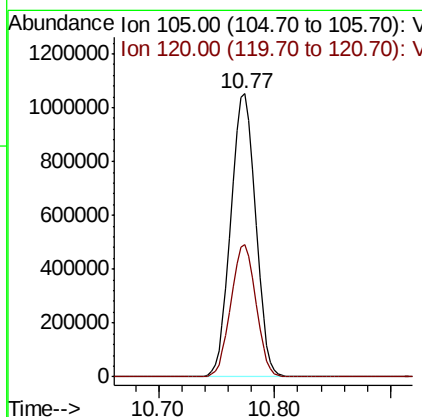
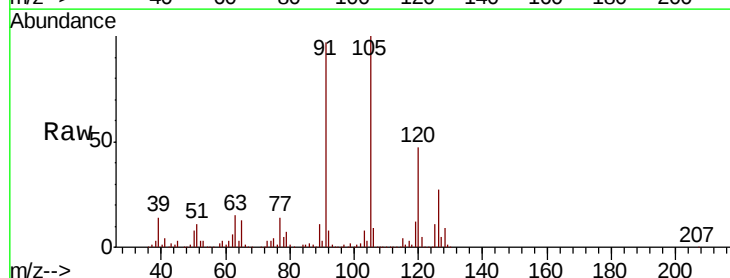
Manual Integrations
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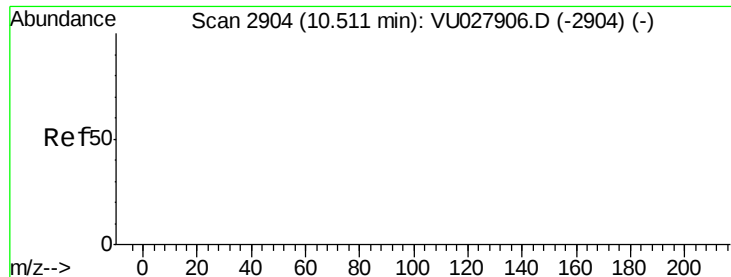
MMDadoda
11/2/2018 9:00:21 AM



#80
1,3,5-Trimethylbenzene
Concen: 155.234 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion: 105 Resp: 1550343
Ion Ratio Lower Upper
105 100
120 47.0 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 166.499 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU027908.D

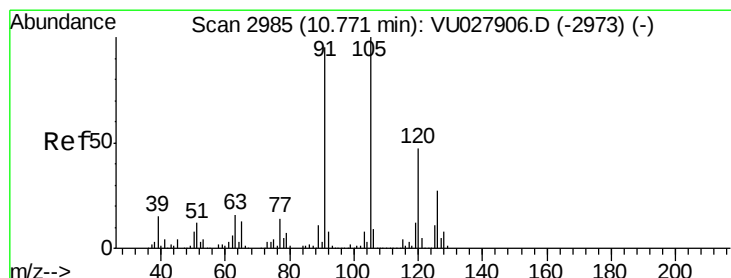
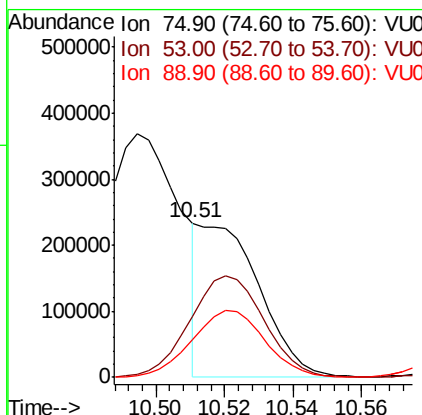
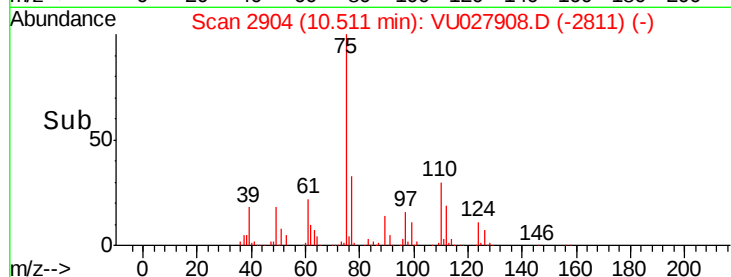
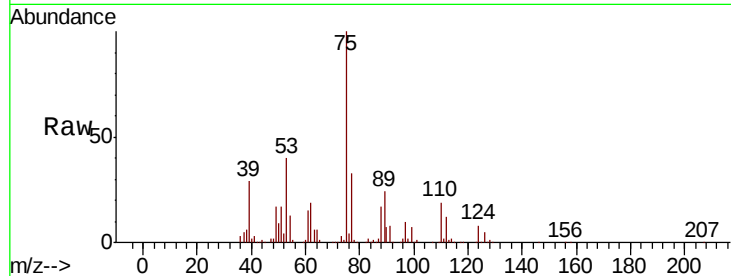
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

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

Manual Integrations
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11/2/2018 9:00:21 AM



#82

4-Chlorotoluene

Concen: 153.816 ug/l

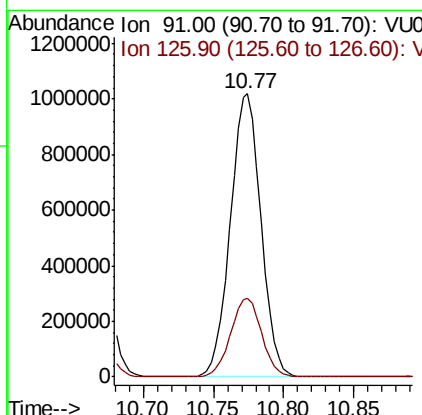
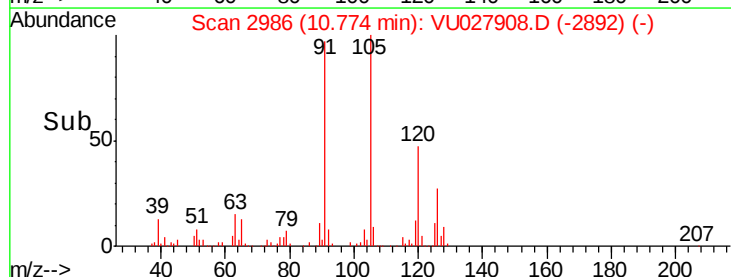
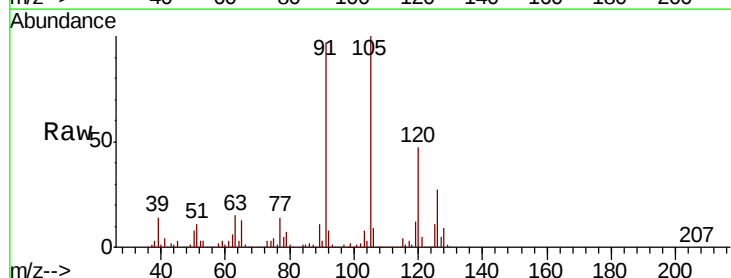
RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.2	42.6





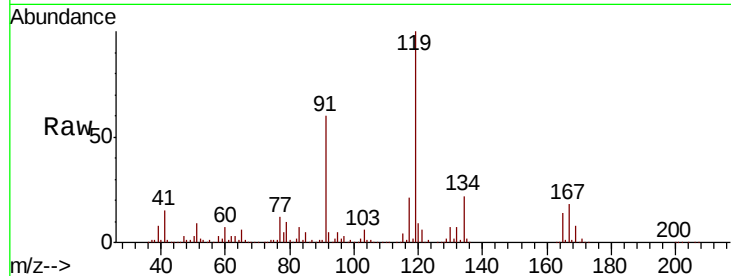
#83
tert-Butylbenzene
Concen: 156.976 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

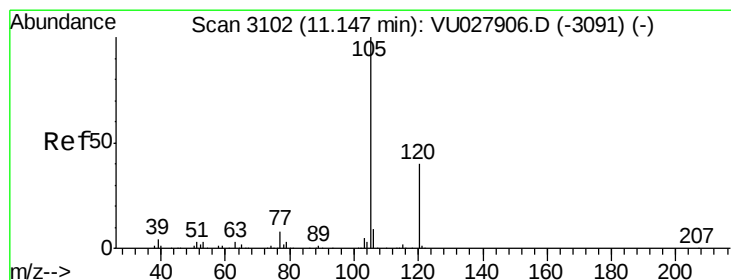
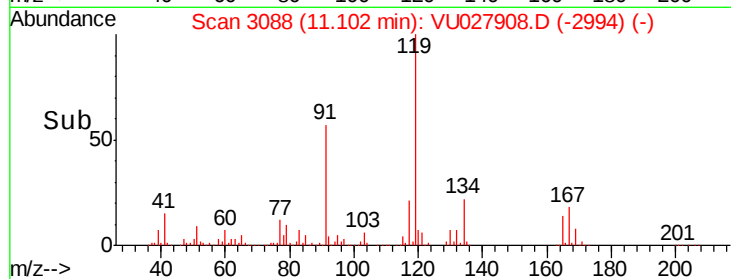
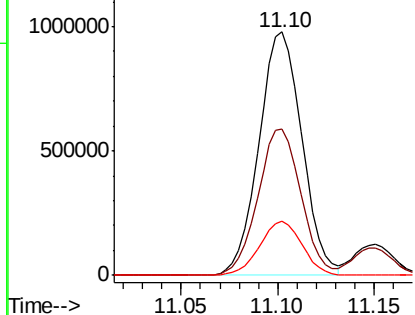
Tot Ion	Ratio	Lower	Upper
119	100		
91	59.7	29.8	89.3
134	21.8	11.1	33.1

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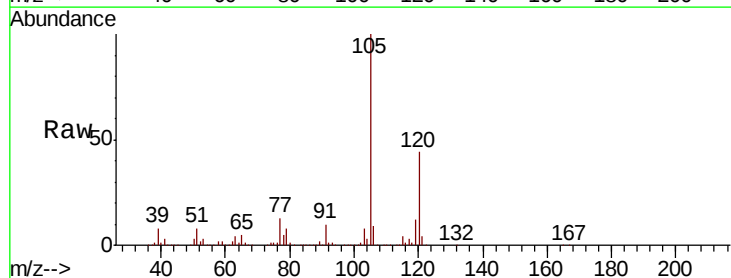


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

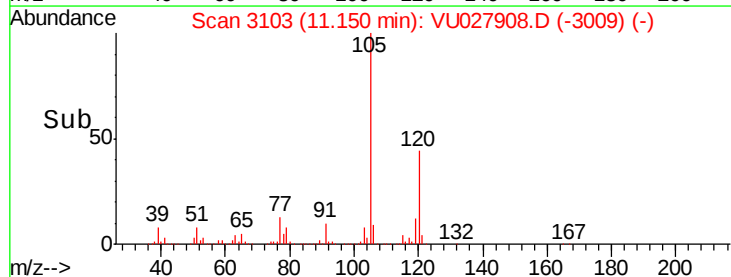
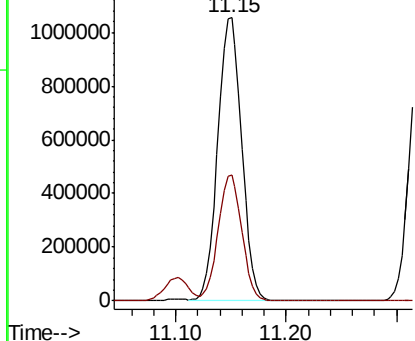


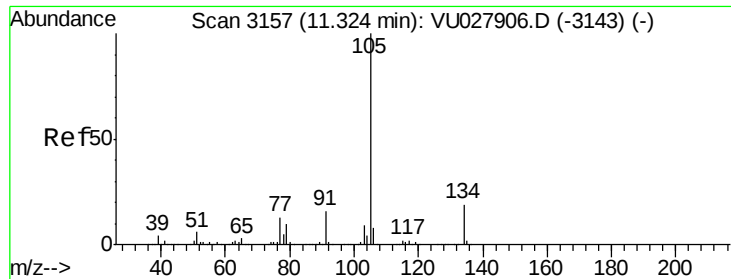
#84
1,2,4-Trimethylbenzene
Concen: 155.729 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 158.467 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1925126

Ion Ratio Lower Upper

105 100

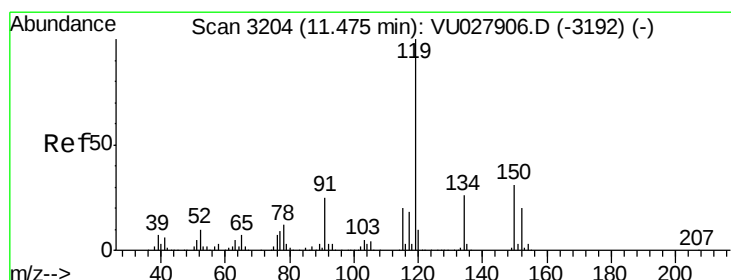
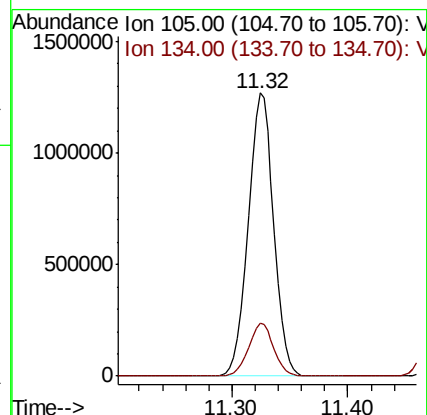
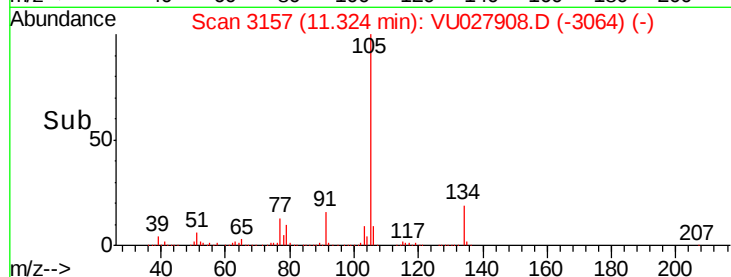
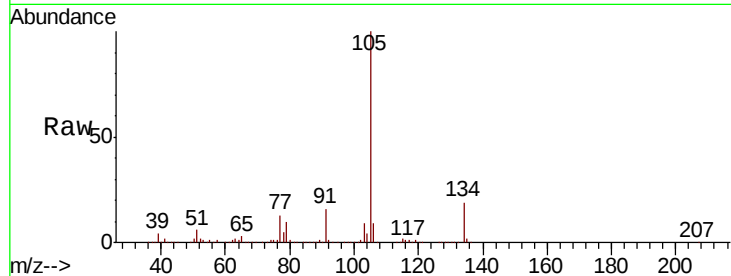
134 18.5 9.2 27.6

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#86

p-Isopropyltoluene

Concen: 158.493 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

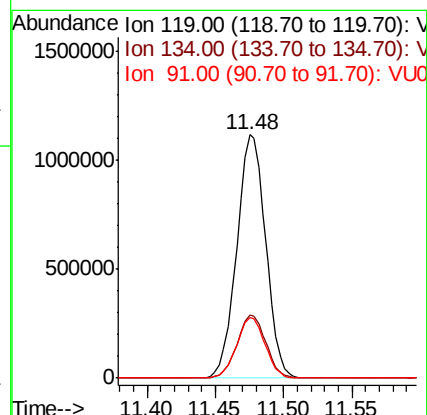
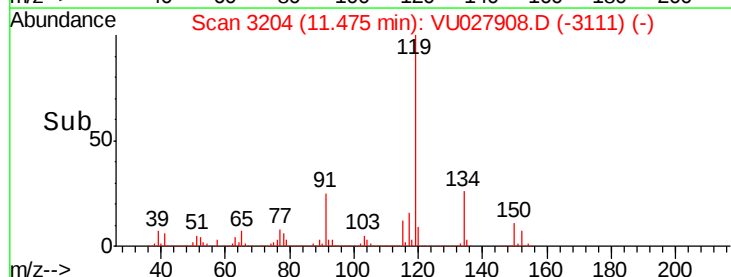
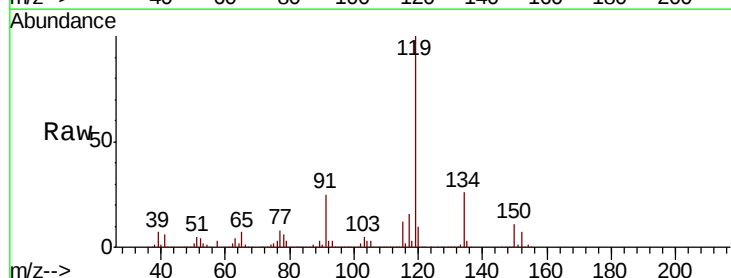
Tgt Ion:119 Resp: 1640077

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 24.5 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 151.924 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Instrument :

MSVOA_U

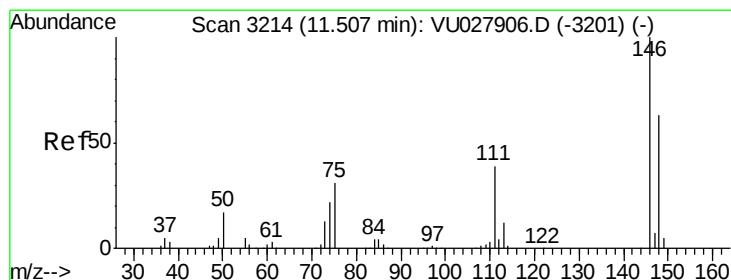
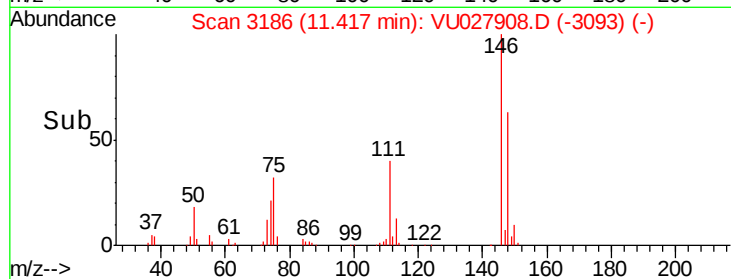
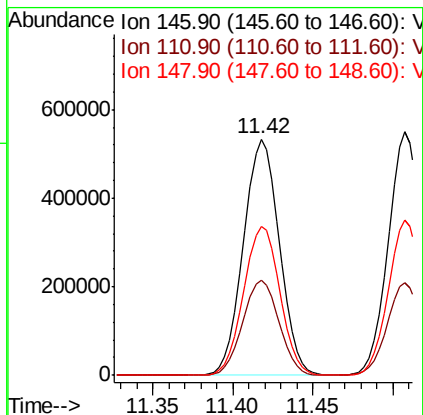
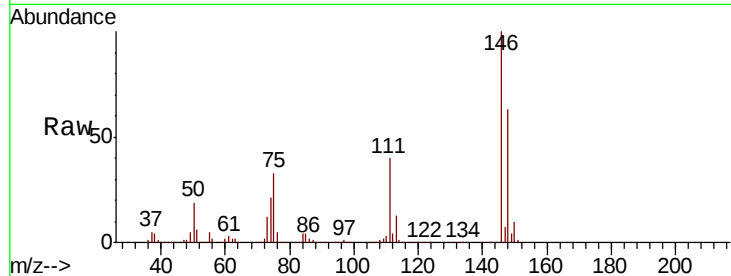
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	817255
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.3	61.0
148	63.6	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 149.170 ug/l

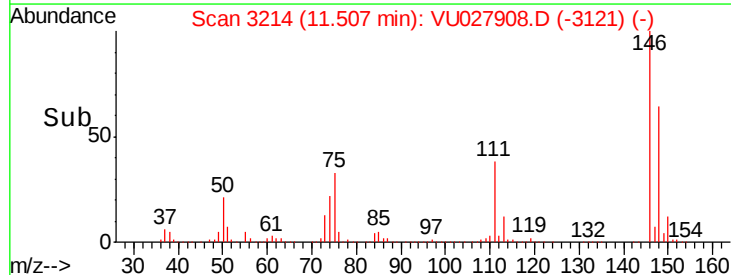
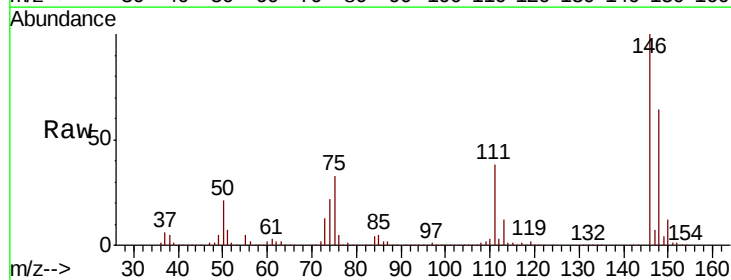
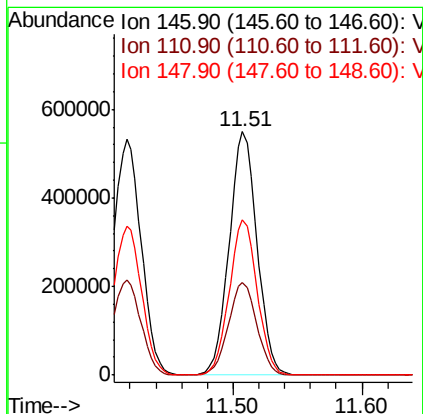
RT: 11.51 min Scan# 3214

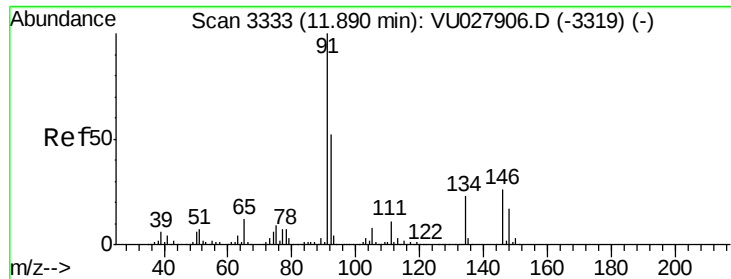
Delta R.T. -0.00 min

Lab File: VU027908.D

Acq: 01 Nov 2018 20:22

Tgt Ion:	146	Resp:	819404
Ion Ratio	Lower	Upper	
146	100		
111	38.9	20.3	60.9
148	63.9	32.0	96.2





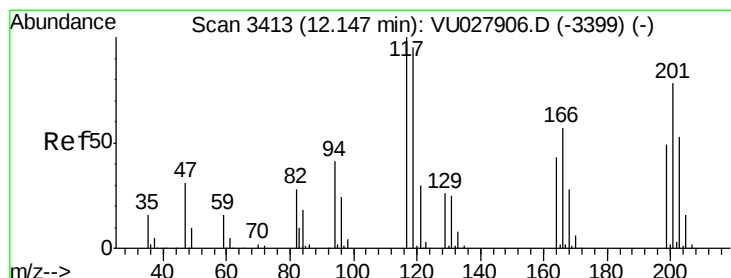
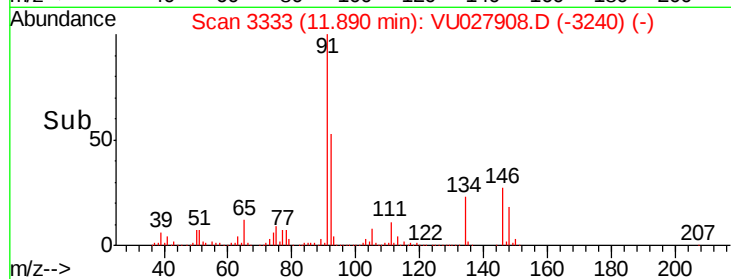
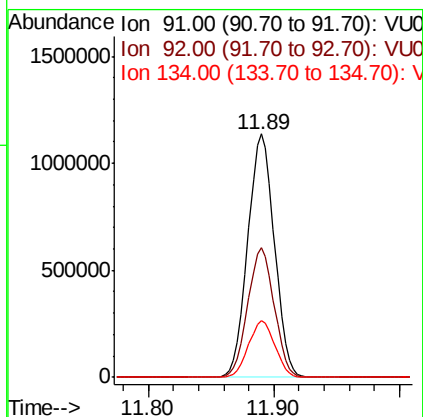
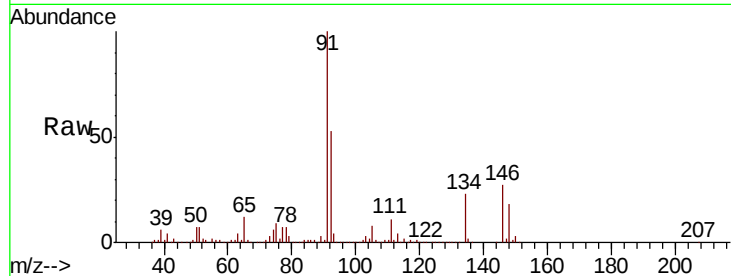
#89
n-Butylbenzene
Concen: 171.411 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.2	78.5
134	23.2	11.5	34.5

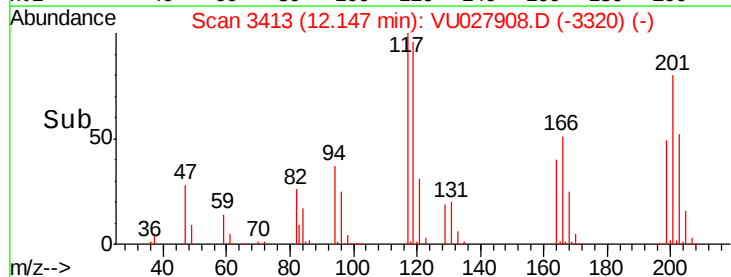
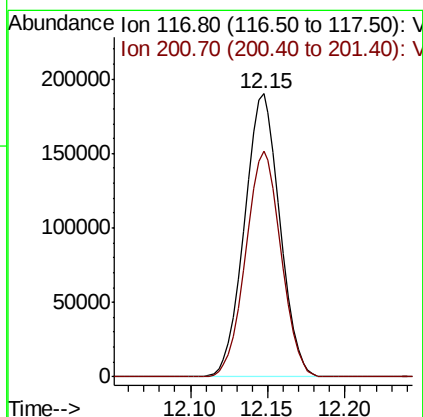
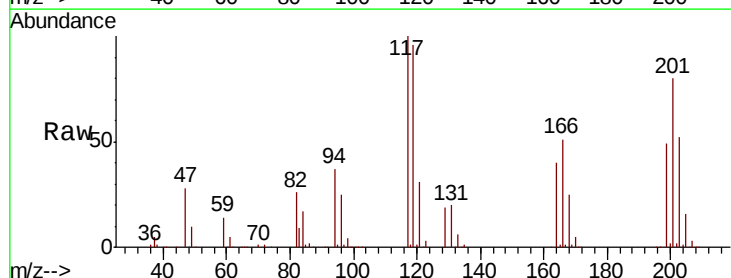
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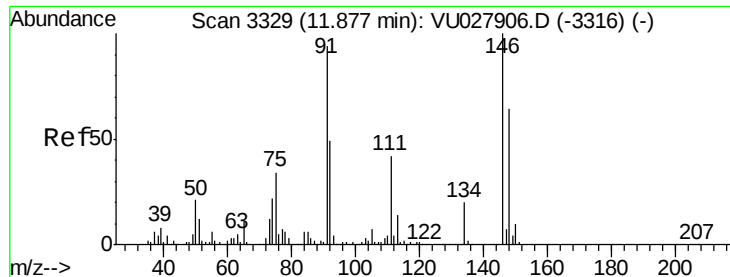
MMDadoda
11/2/2018 9:00:21 AM



#90
Hexachloroethane
Concen: 155.640 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.8	38.5	115.5





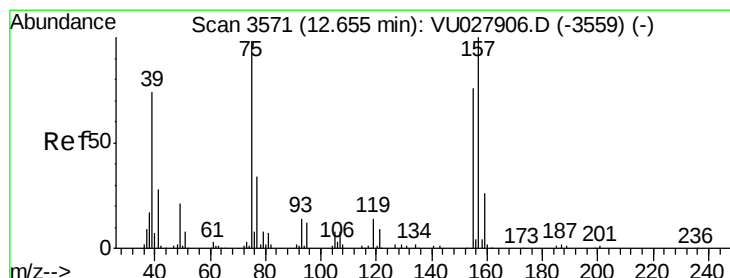
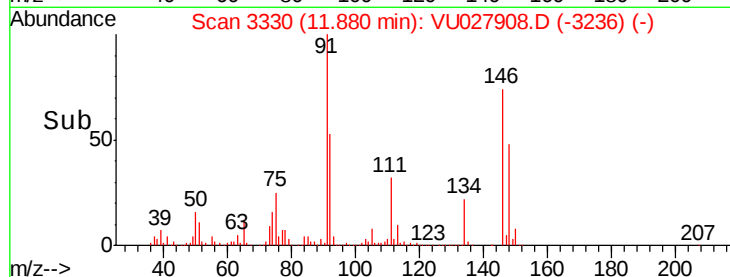
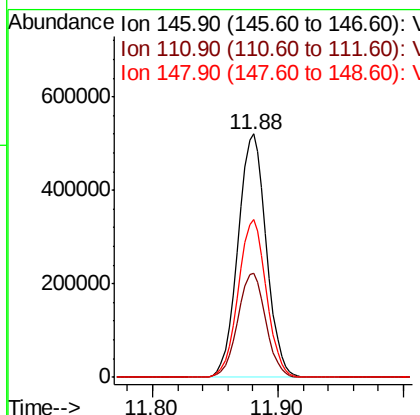
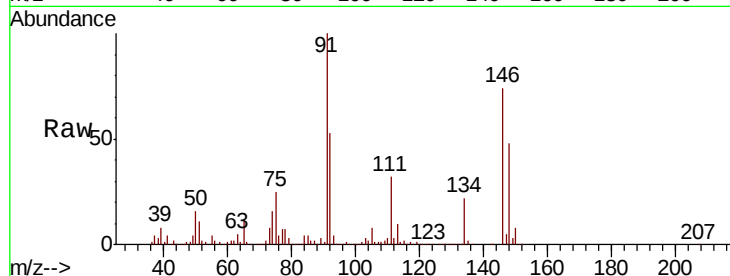
#91
 1,2-Dichlorobenzene
 Concen: 154.451 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	64.0
148	64.6	31.8	95.3

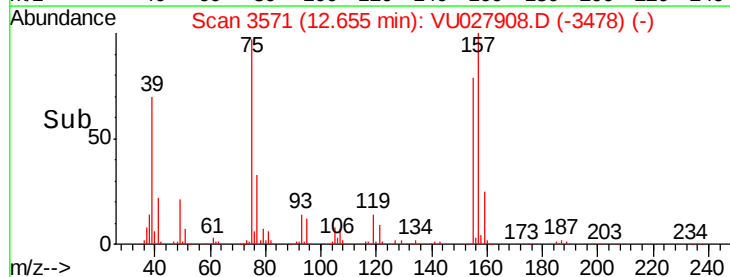
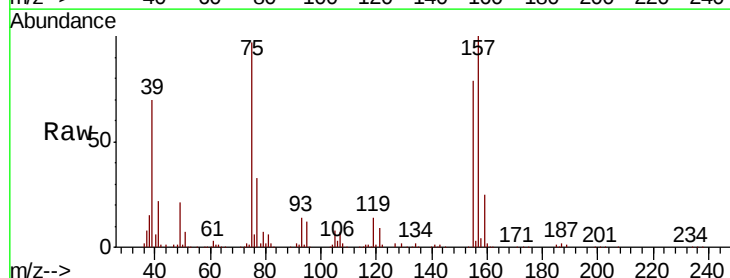
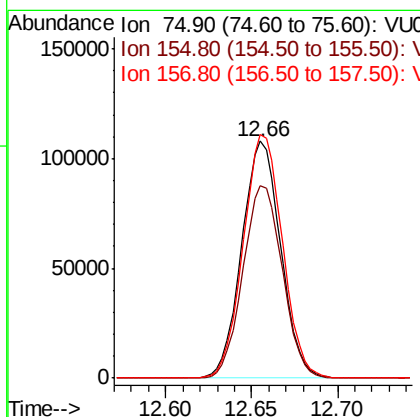
Manual Integrations
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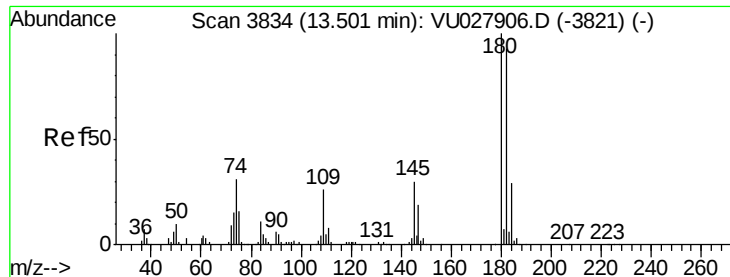
MMDadoda
 11/2/2018 9:00:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 158.962 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027908.D
 Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	39.8	119.3
157	103.3	50.6	151.9





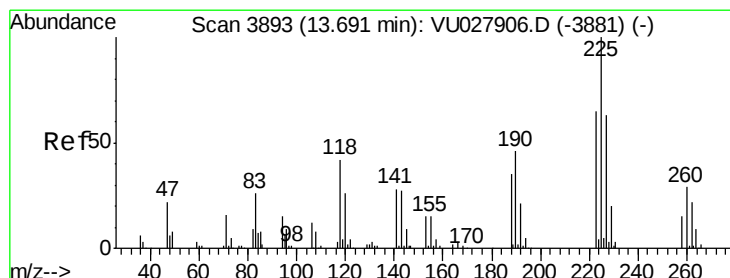
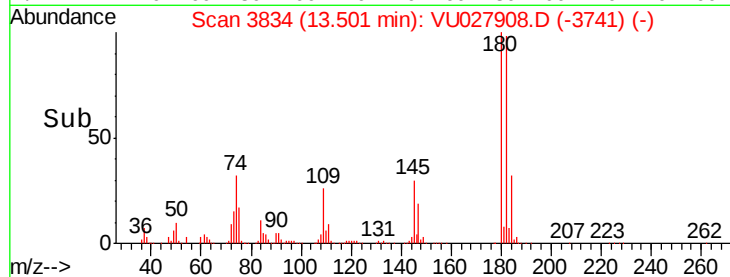
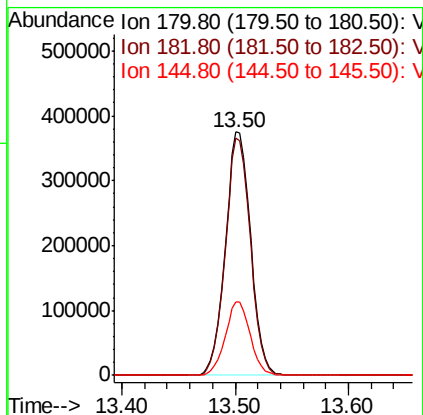
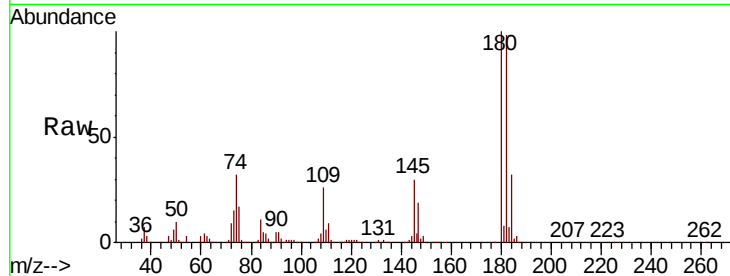
#93
1,2,4-Trichlorobenzene
Concen: 170.966 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	48.4	145.2	
145	29.7	14.9	44.5	

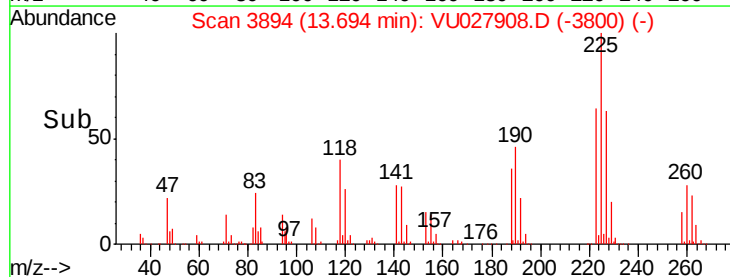
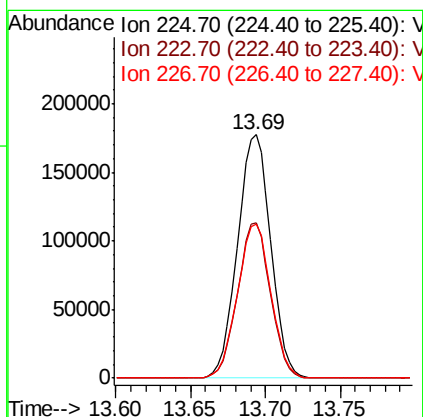
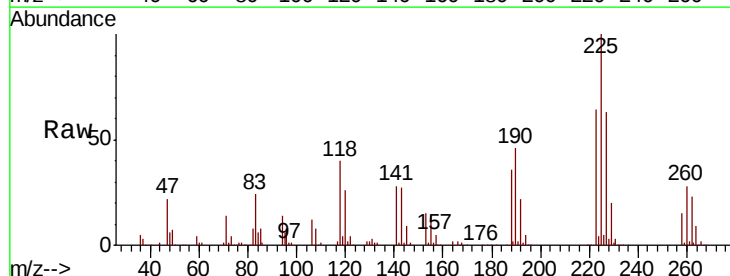
Manual Integrations
APPROVED

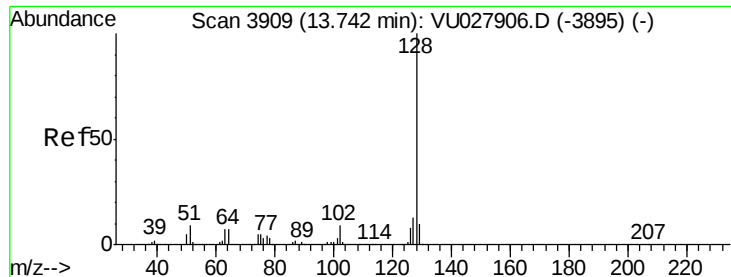
MMDadoda
11/2/2018 9:00:21 AM



#94
Hexachlorobutadiene
Concen: 160.130 ug/l
RT: 13.69 min Scan# 3894
Delta R.T. 0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	32.2	96.6	
227	63.7	32.5	97.4	





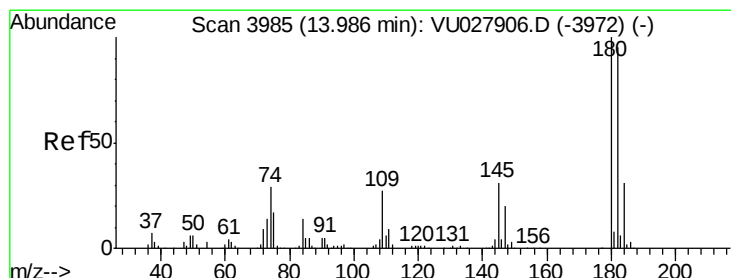
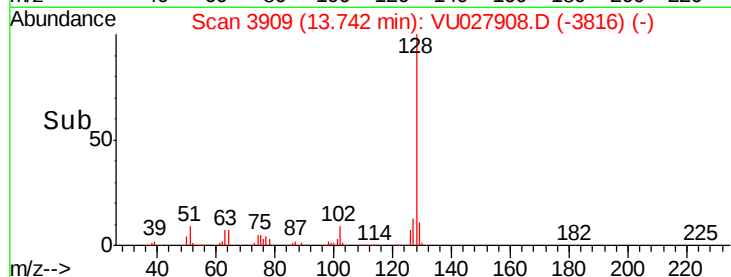
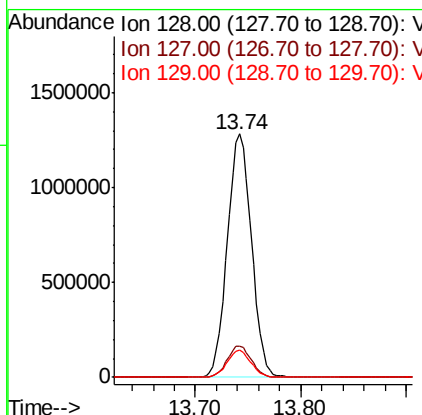
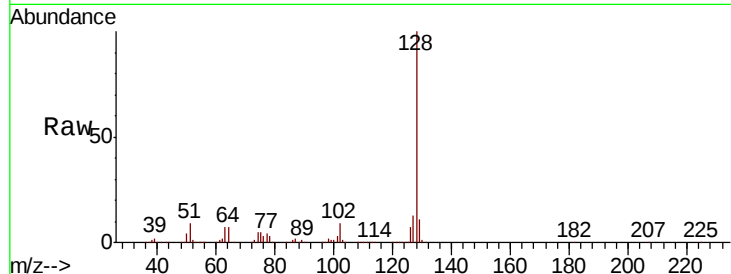
#95
Naphthalene
Concen: 175.079 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:00:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 164.813 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU027908.D
Acq: 01 Nov 2018 20:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	31.6	16.0	47.9

