

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027907.D
 Acq On : 01 Nov 2018 19:59
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:00:18 AM

Quant Time: Nov 02 01:08:35 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	174351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	306969	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	290258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	258849	89.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	179.50%	
35) Dibromofluoromethane	4.88	113	195241	93.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.12%	
50) Toluene-d8	7.57	98	751577	96.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.00%	
62) 4-Bromofluorobenzene	10.31	95	291025	100.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	237920	96.727	ug/l	98
3) Chloromethane	1.33	50	276113	84.079	ug/l	100
4) Vinyl Chloride	1.40	62	271457	87.308	ug/l	99
5) Bromomethane	1.60	94	129164	96.416	ug/l	100
6) Chloroethane	1.68	64	154942	82.645	ug/l	99
7) Trichlorofluoromethane	1.88	101	310400	96.055	ug/l	97
8) Diethyl Ether	2.10	74	129666	88.291	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	189397	100.617	ug/l	99
10) Methyl Iodide	2.41	142	179572	129.628	ug/l	98
11) Tert butyl alcohol	2.84	59	335273	528.088	ug/l	100
12) 1,1-Dichloroethene	2.28	96	185850	101.027	ug/l	97
13) Acrolein	2.20	56	127222	274.955	ug/l	97
14) Allyl chloride	2.59	41	497154	113.884	ug/l	90
15) Acrylonitrile	2.94	53	854259	526.201	ug/l	100
16) Acetone	2.32	43	727707	428.797	ug/l	100
17) Carbon Disulfide	2.47	76	612927	93.235	ug/l	99
18) Methyl Acetate	2.62	43	420395	104.564	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	739198	99.895	ug/l	100
20) Methylene Chloride	2.70	84	229220	95.387	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	204070	98.038	ug/l	94
22) Diisopropyl ether	3.58	45	927526	103.534	ug/l	98
23) Vinyl Acetate	3.53	43	4104166	524.869	ug/l	100
24) 1,1-Dichloroethane	3.45	63	449472	98.357	ug/l	99
25) 2-Butanone	4.26	43	1286392	538.187	ug/l	99
26) 2,2-Dichloropropane	4.23	77	333561	90.169	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	241057	100.915	ug/l	99
28) Bromochloromethane	4.55	49	215419	99.283	ug/l	99
29) Tetrahydrofuran	4.64	42	840672	553.502	ug/l	100
30) Chloroform	4.68	83	412404	101.137	ug/l	100
31) Cyclohexane	5.00	56	450422	84.483	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	343372	100.374	ug/l	99
36) 1,1-Dichloropropene	5.14	75	318638	96.207	ug/l	99
37) Ethyl Acetate	4.38	43	462477	105.339	ug/l	99
38) Carbon Tetrachloride	5.13	117	283270	94.739	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	397287	102.331	ug/l	99
40) Benzene	5.39	78	972130	99.404	ug/l	100
41) Methacrylonitrile	4.54	41	259830	104.973	ug/l	99
42) 1,2-Dichloroethane	5.41	62	339270	94.574	ug/l	100
43) Isopropyl Acetate	5.55	43	737573	108.501	ug/l	99
44) Trichloroethene	6.19	130	211867	97.992	ug/l	100
45) 1,2-Dichloropropane	6.43	63	280311	99.771	ug/l	97
46) Dibromomethane	6.56	93	166327	104.766	ug/l	96
47) Bromodichloromethane	6.76	83	325018	99.453	ug/l	100
48) Methyl methacrylate	6.62	41	372940	110.221	ug/l	100
49) 1,4-Dioxane	6.61	88	122413	2121.597	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	2479166	557.835	ug/l	100
52) Toluene	7.64	92	582988	101.263	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	389646	101.863	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	414978	100.830	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	236927	103.785	ug/l	97
56) Ethyl methacrylate	8.02	69	437908	114.258	ug/l	99
57) 1,3-Dichloropropane	8.24	76	433952	98.280	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	1158949	552.317	ug/l	100
59) 2-Hexanone	8.36	43	1957699	566.664	ug/l	99
60) Dibromochloromethane	8.48	129	242433	105.704	ug/l	98
61) 1,2-Dibromoethane	8.59	107	257420	104.995	ug/l	99
64) Tetrachloroethene	8.23	164	180288	99.791	ug/l	98
65) Chlorobenzene	9.12	112	611858	99.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	216875	102.744	ug/l	100
67) Ethyl Benzene	9.25	91	1151951	105.933	ug/l	100
68) m/p-Xylenes	9.38	106	845277	213.176	ug/l	99
69) o-Xylene	9.78	106	416467	110.016	ug/l	99
70) Styrene	9.79	104	705873	113.493	ug/l	99
71) Bromoform	9.96	173	194648	113.437	ug/l #	98
73) Isopropylbenzene	10.17	105	1126629	102.044	ug/l	99
74) N-amyl acetate	10.01	43	707218	109.688	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	446773	101.509	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	376518m	95.642	ug/l	
77) Bromobenzene	10.45	156	269057	103.815	ug/l	100
78) n-propylbenzene	10.59	91	1402632	105.613	ug/l	99
79) 2-Chlorotoluene	10.66	91	801060	99.889	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	954435	105.510	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	156993m	103.046	ug/l	
82) 4-Chlorotoluene	10.77	91	941915	103.803	ug/l	99
83) tert-Butylbenzene	11.10	119	938619	107.351	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	981745	106.639	ug/l	100
85) sec-Butylbenzene	11.32	105	1178710	107.121	ug/l	100
86) p-Isopropyltoluene	11.48	119	1010005	107.760	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	496181	101.835	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	502142	100.925	ug/l	99
89) n-Butylbenzene	11.89	91	1010678	114.871	ug/l	100
90) Hexachloroethane	12.15	117	183155	103.950	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	499579	104.776	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	104515	108.074	ug/l	99

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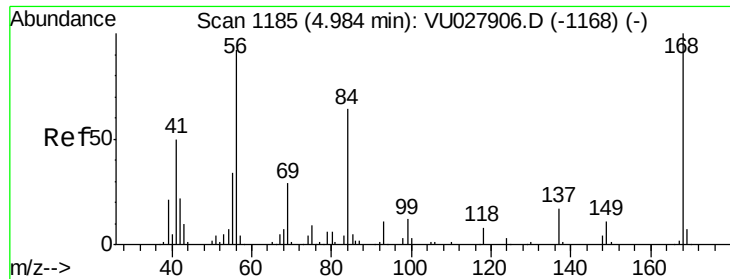
Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:00:18 AM

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	358807	116.157	ug/l	99
94) Hexachlorobutadiene	13.69	225	166788	107.498	ug/l	99
95) Naphthalene	13.74	128	1258793	119.572	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	359783	111.337	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: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tot Ion:168 Resp: 174351

Ion Ratio Lower Upper

168 100

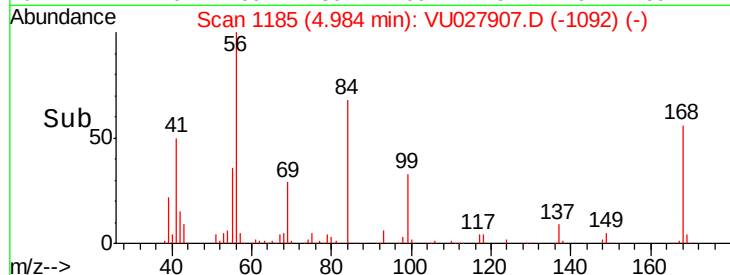
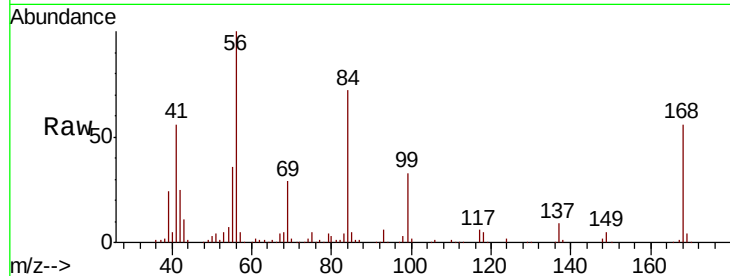
99 59.3 47.9 71.9

Manual Integrations

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

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

100000

80000

60000

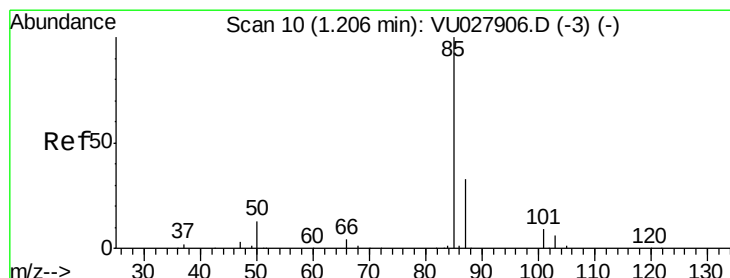
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 96.727 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027907.D

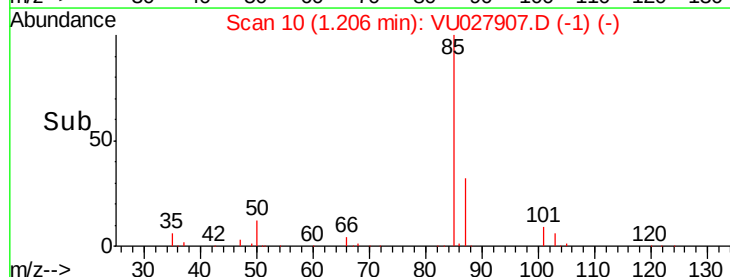
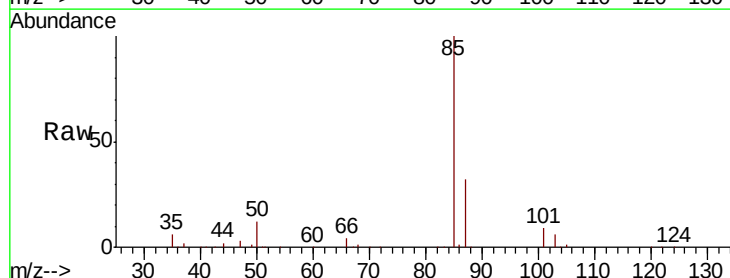
Acq: 01 Nov 2018 19:59

Tgt Ion: 85 Resp: 237920

Ion Ratio Lower Upper

85 100

87 31.8 16.5 49.5



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

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

250000

200000

150000

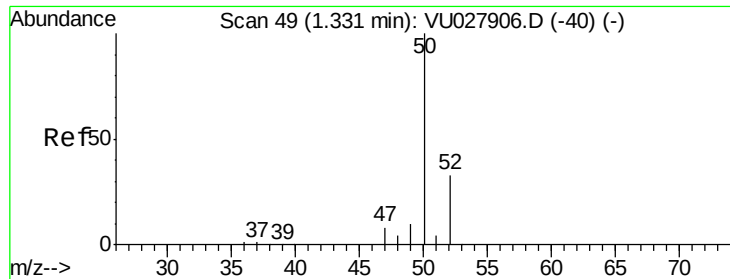
100000

50000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 84.079 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 276113

Ion Ratio Lower Upper

50 100

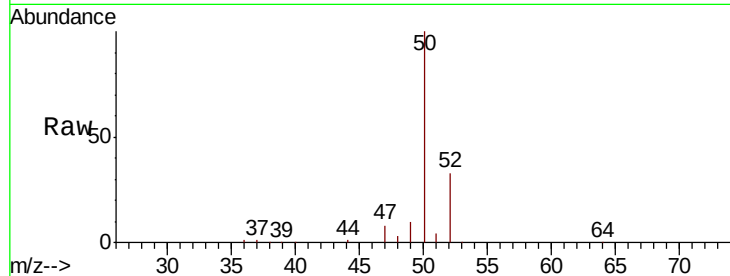
52 33.1 26.2 39.4

Manual Integrations

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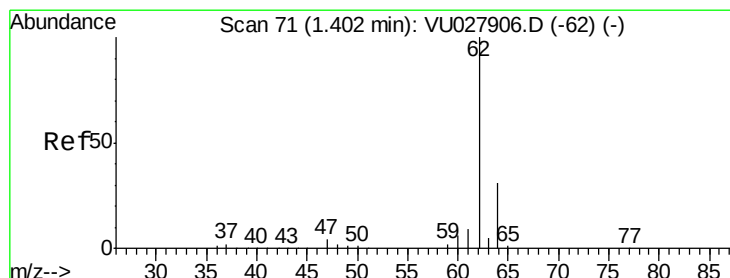
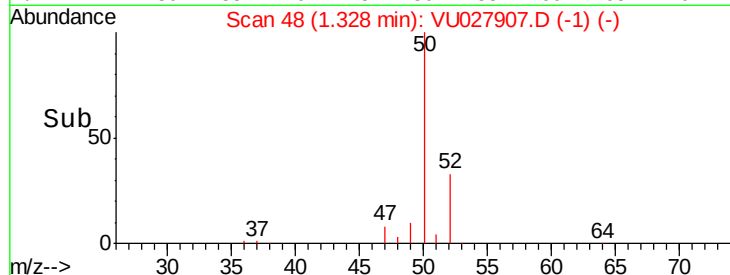
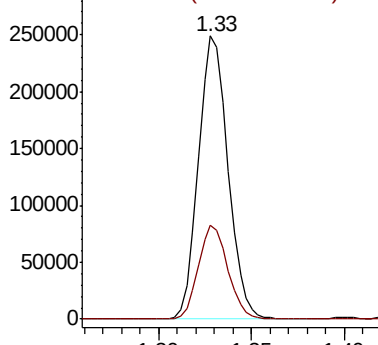
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 87.308 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027907.D

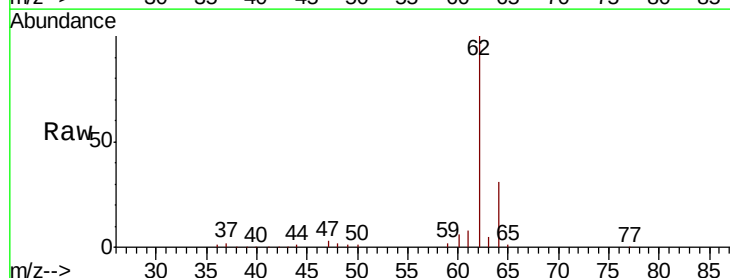
Acq: 01 Nov 2018 19:59

Tgt Ion: 62 Resp: 271457

Ion Ratio Lower Upper

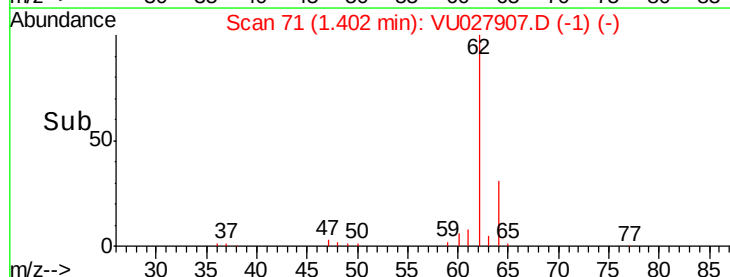
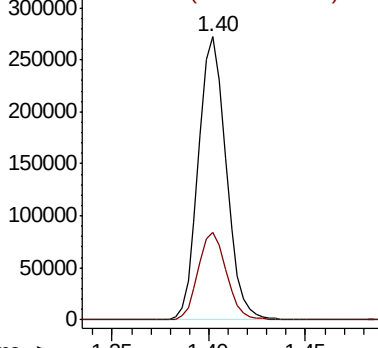
62 100

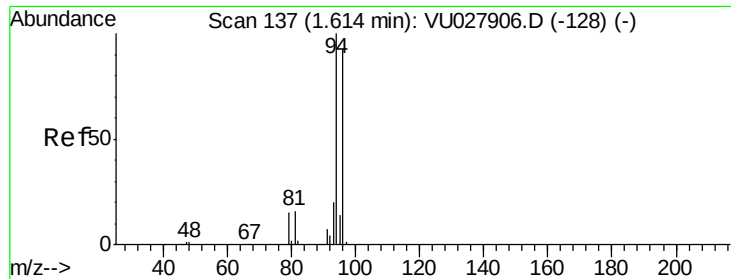
64 31.1 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 96.416 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 129164

Ion Ratio Lower Upper

94 100

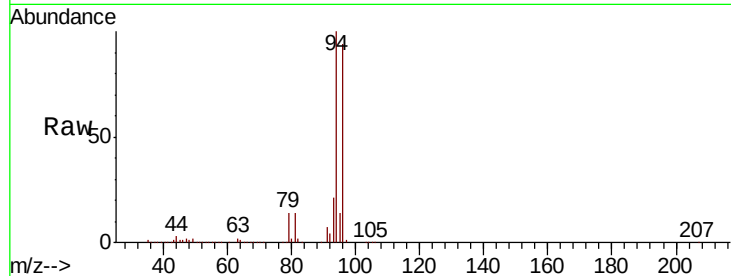
96 93.7 74.8 112.2

Manual Integrations

APPROVED

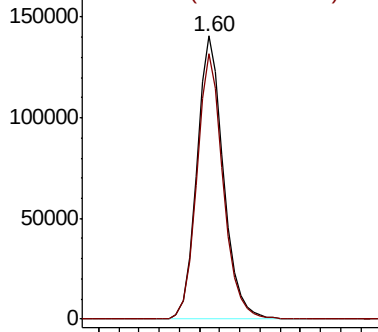
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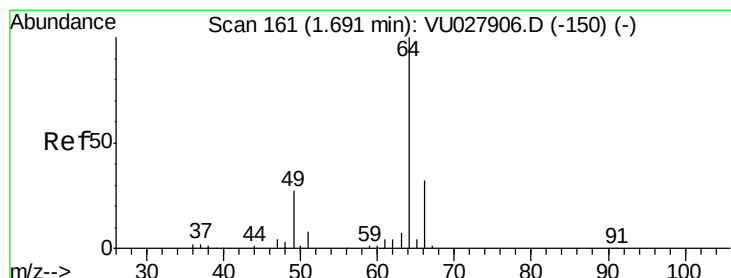
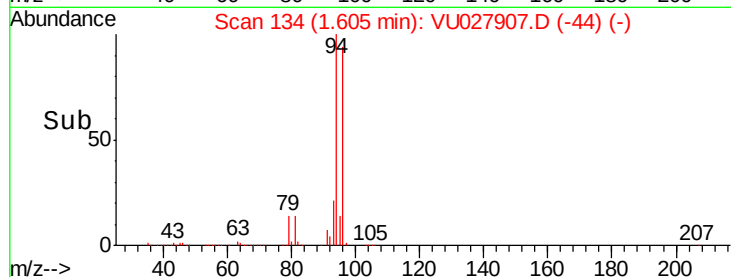


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time--> 1.55 1.60 1.65



#6

Chloroethane

Concen: 82.645 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU027907.D

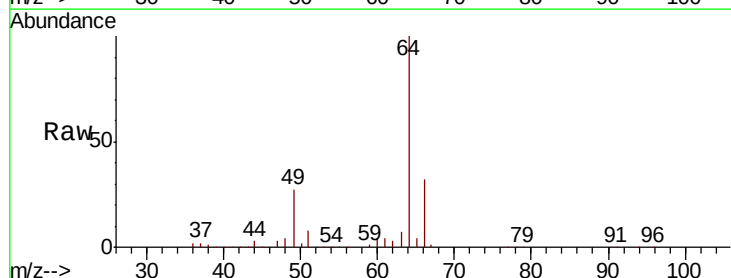
Acq: 01 Nov 2018 19:59

Tgt Ion: 64 Resp: 154942

Ion Ratio Lower Upper

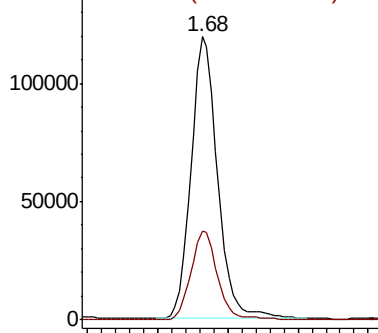
64 100

66 31.7 25.9 38.9

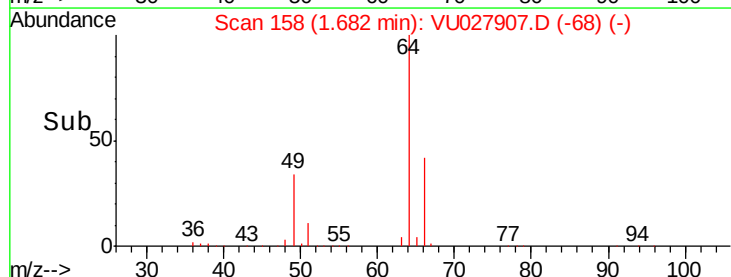


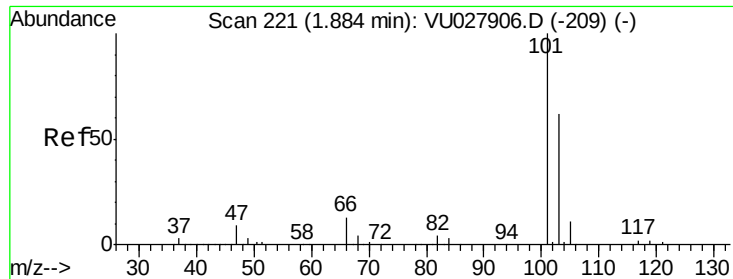
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time--> 1.60 1.65 1.70 1.75





#7

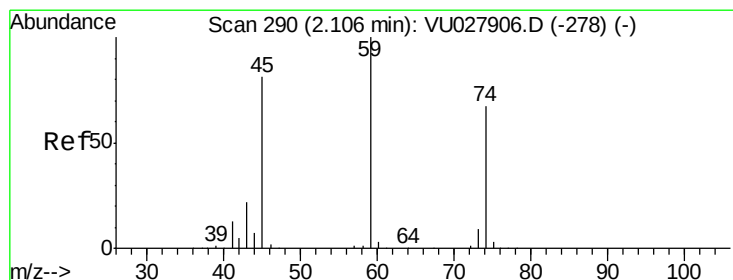
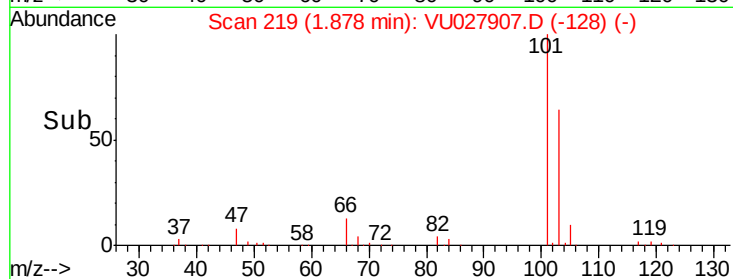
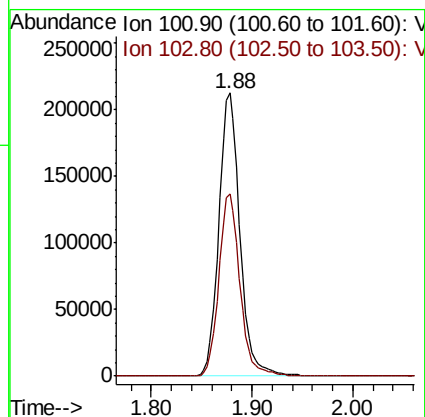
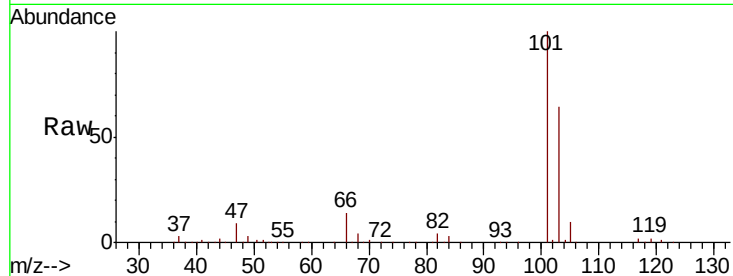
Trichlorofluoromethane
Concen: 96.055 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
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VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		310400		
103	64.4	49.4	74.2		

Manual Integrations
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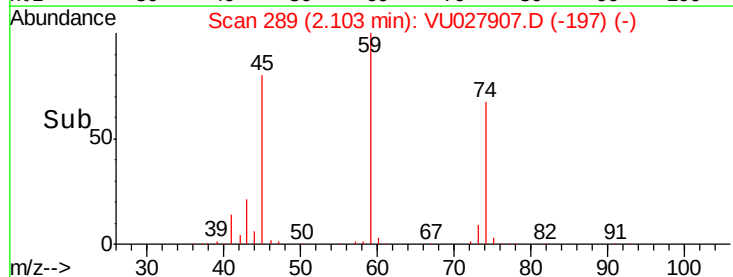
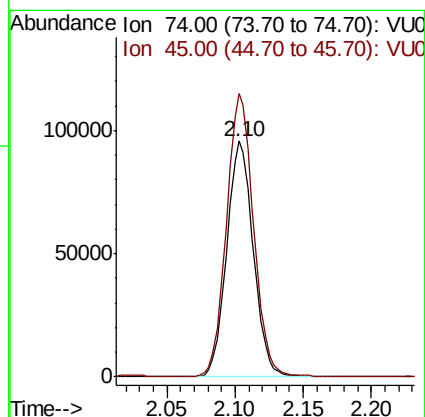
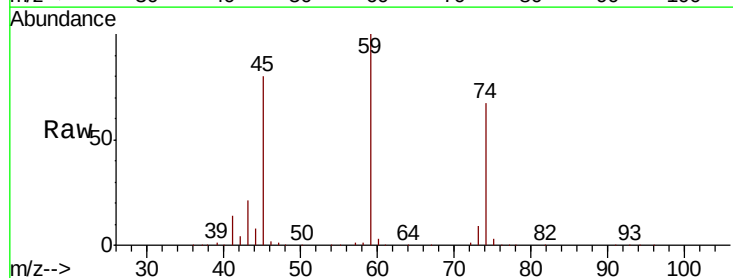
MMDadoda
11/2/2018 9:00:18 AM

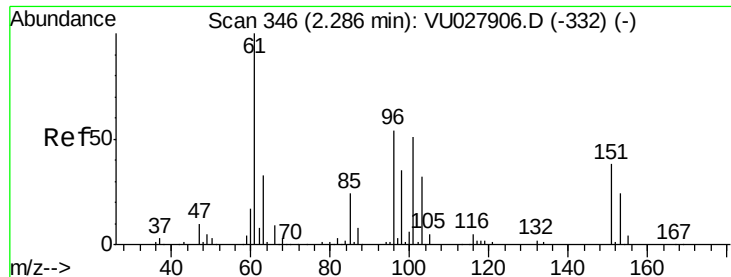


#8

Diethyl Ether
Concen: 88.291 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		129666		
45	121.6	60.5	181.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.617 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

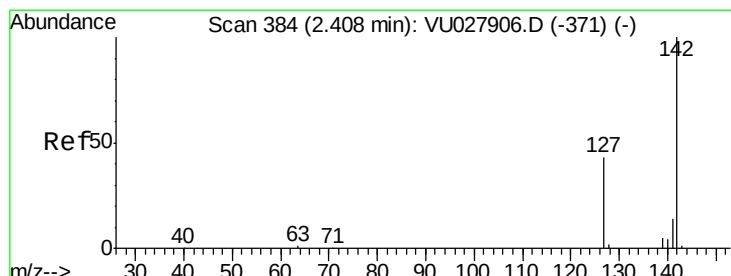
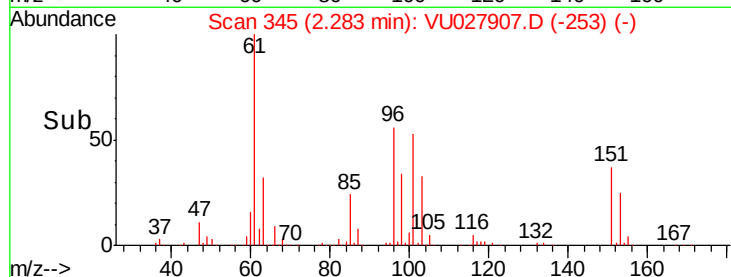
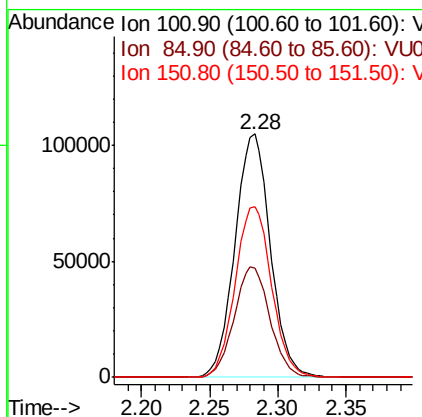
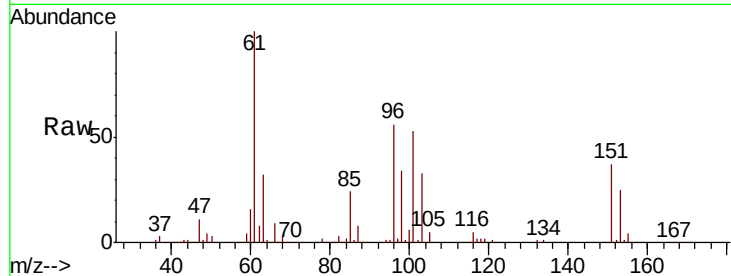
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	189397
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.9	55.3
151	72.1	58.0	87.0

Manual Integrations
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11/2/2018 9:00:18 AM



#10

Methyl Iodide

Concen: 129.628 ug/l

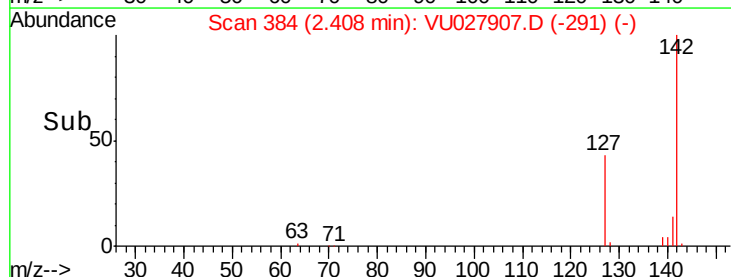
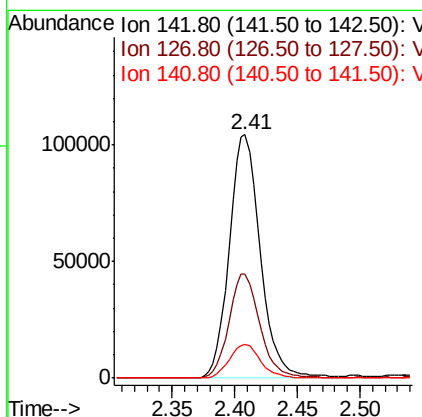
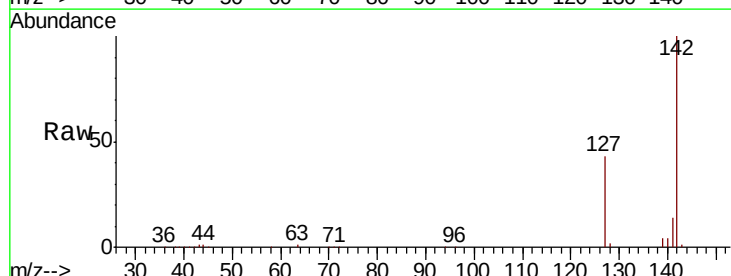
RT: 2.41 min Scan# 384

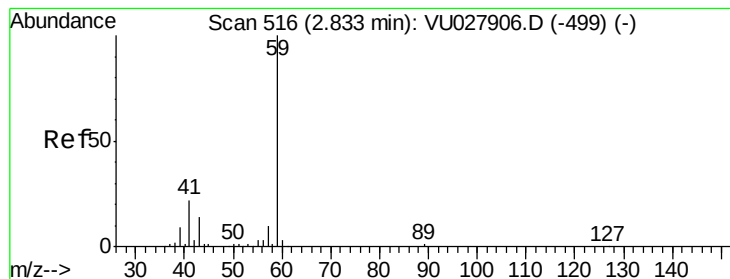
Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Tgt Ion:	142	Resp:	179572
Ion Ratio	Lower	Upper	
142	100		
127	42.5	35.2	52.8
141	14.1	11.8	17.8





#11

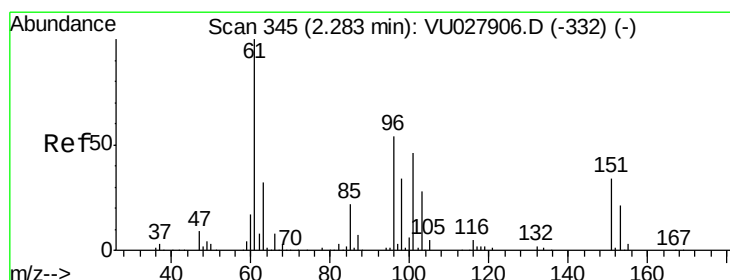
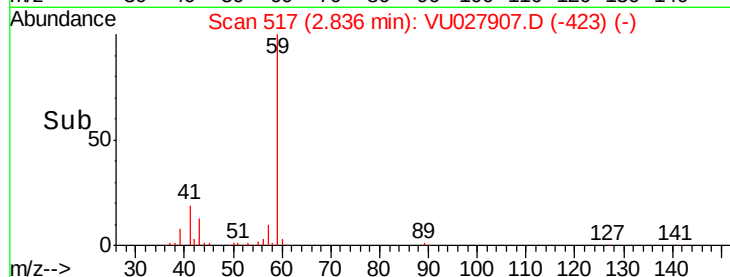
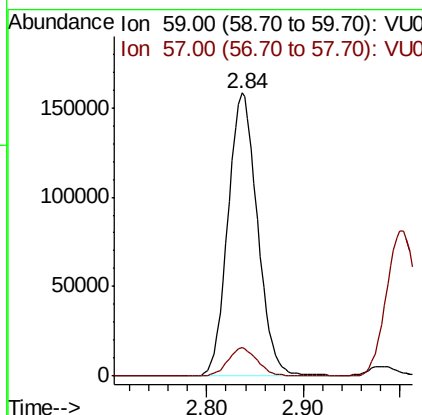
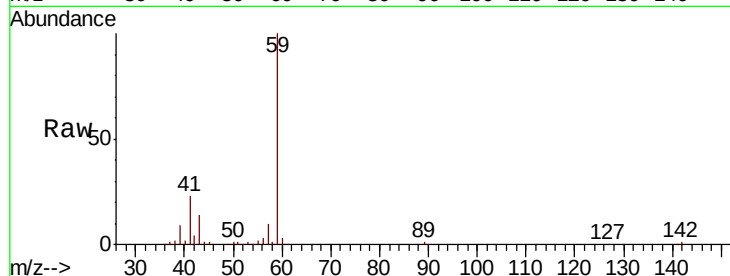
Tert butyl alcohol
 Concen: 528.088 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.8	11.8

Manual Integrations
 APPROVED

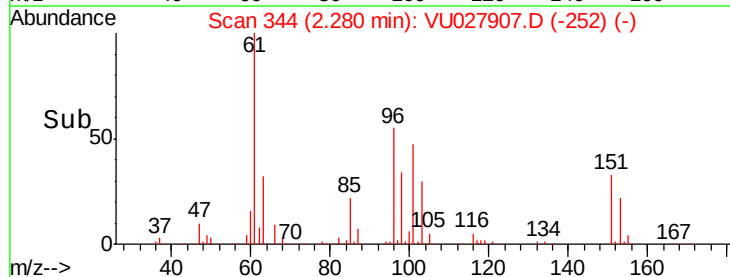
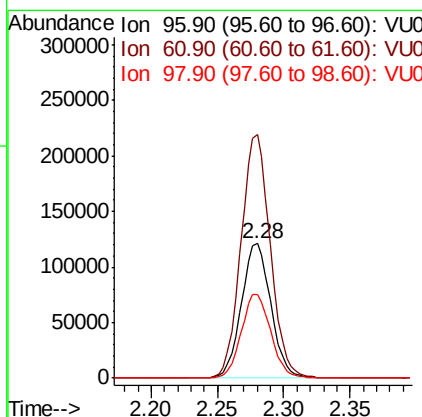
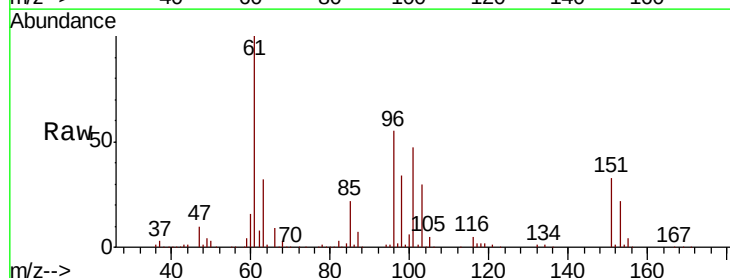
MMDadoda
 11/2/2018 9:00:18 AM

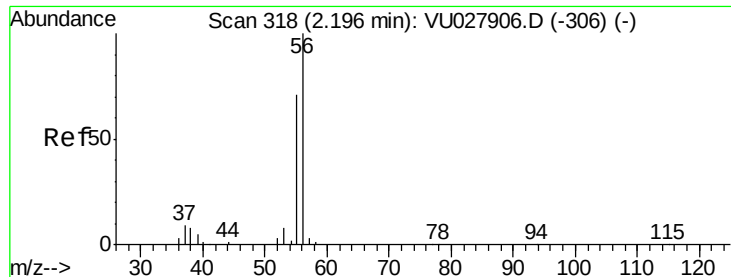


#12

1,1-Dichloroethene
 Concen: 101.027 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.2	149.3	223.9
98	62.4	50.6	75.8





#13

Acrolein

Concen: 274.955 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 127222

Ion Ratio Lower Upper

56 100

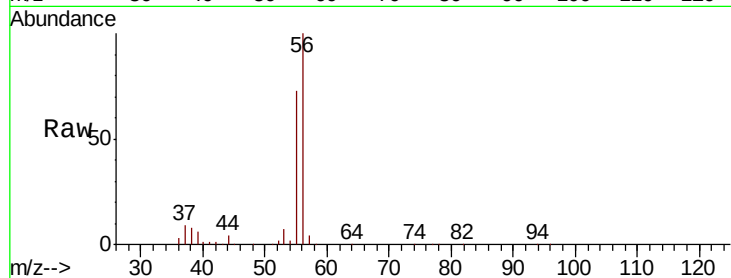
55 72.8 56.2 84.4

Manual Integrations

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11/2/2018 9:00:18 AM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

80000

60000

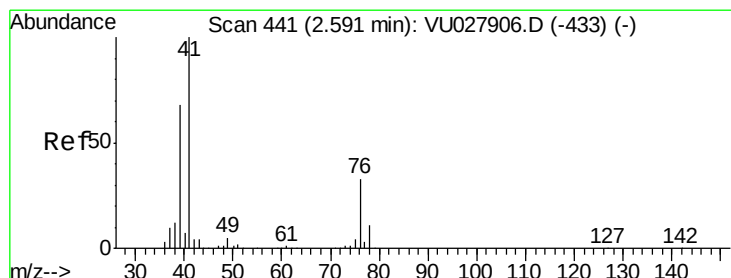
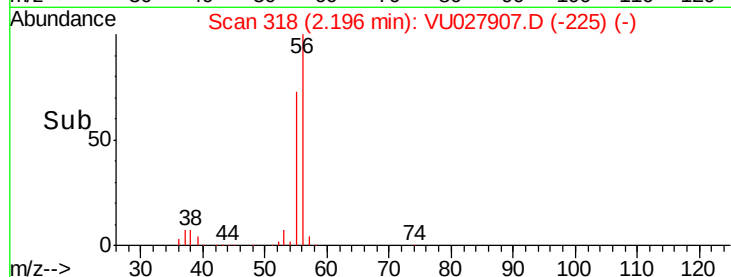
40000

20000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 113.884 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

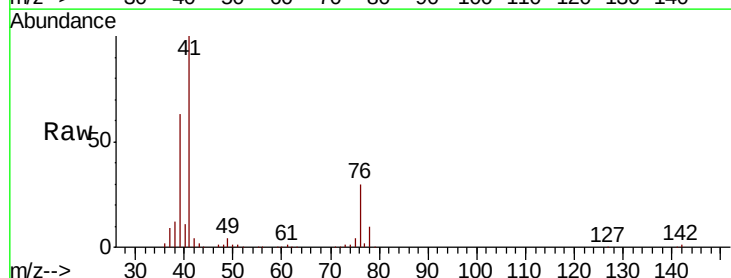
Tgt Ion: 41 Resp: 497154

Ion Ratio Lower Upper

41 100

39 55.4 51.9 77.9

76 26.2 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

500000

400000

300000

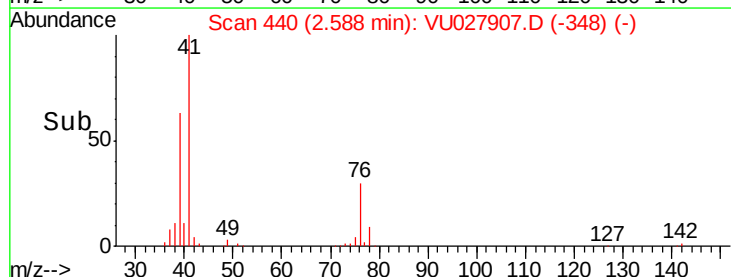
200000

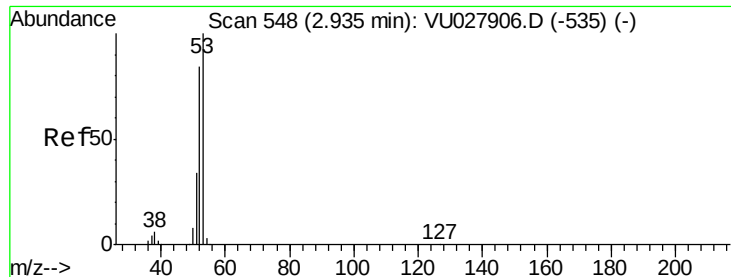
100000

0

Time-->

2.50 2.55 2.60 2.70





#15

Acrylonitrile

Concen: 526.201 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

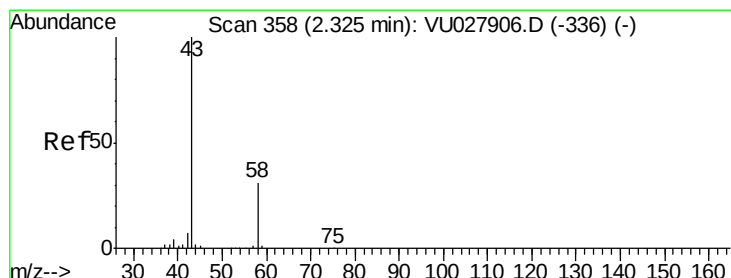
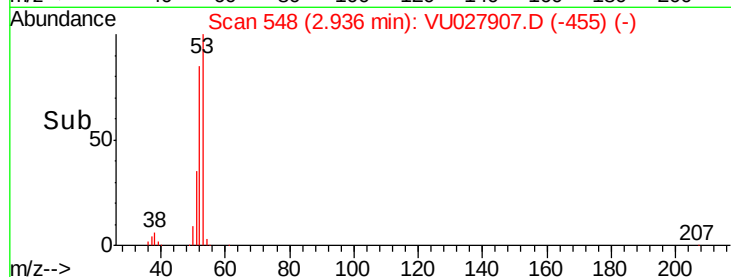
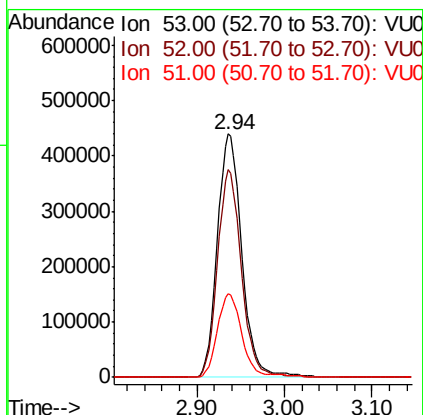
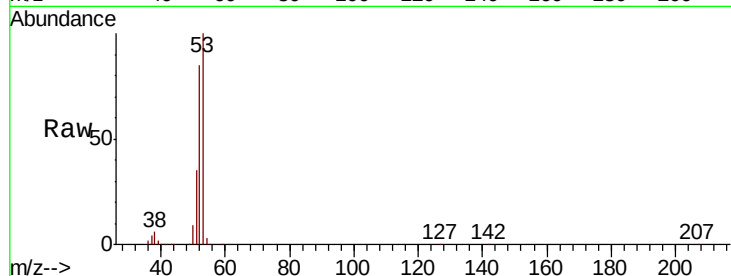
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	854259
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.2
51	34.0	27.0	40.4

Manual Integrations
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11/2/2018 9:00:18 AM



#16

Acetone

Concen: 428.797 ug/l

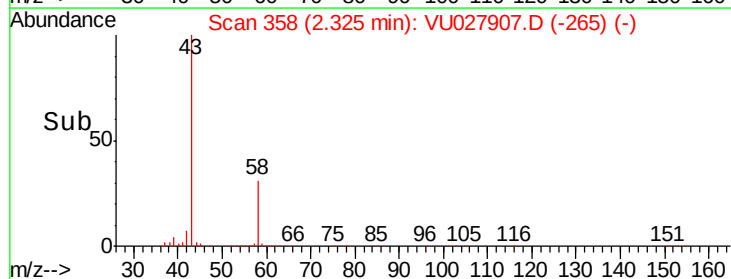
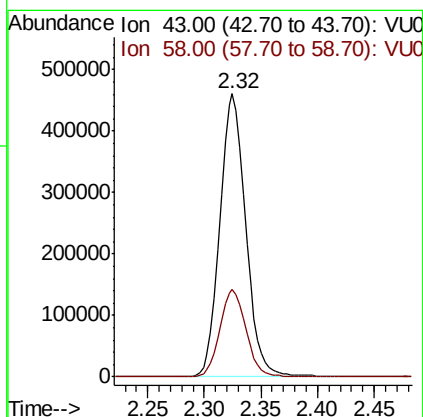
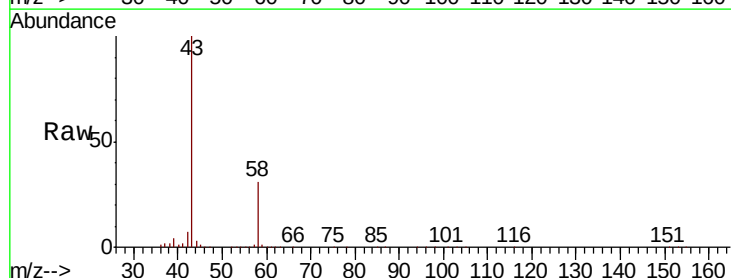
RT: 2.32 min Scan# 358

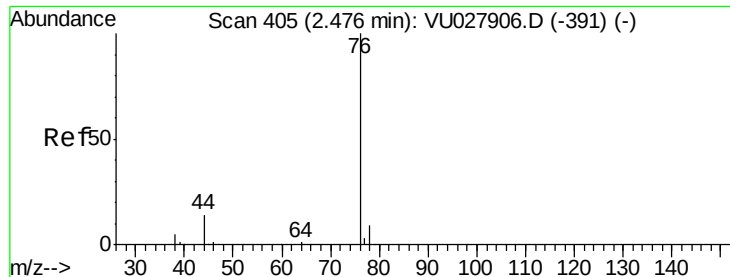
Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Tgt Ion:	43	Resp:	727707
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.6	37.0





#17

Carbon Disulfide

Concen: 93.235 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 612927

Ion Ratio Lower Upper

76 100

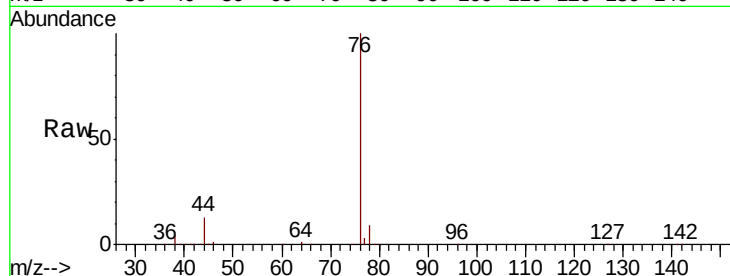
78 9.0 7.4 11.0

Manual Integrations

APPROVED

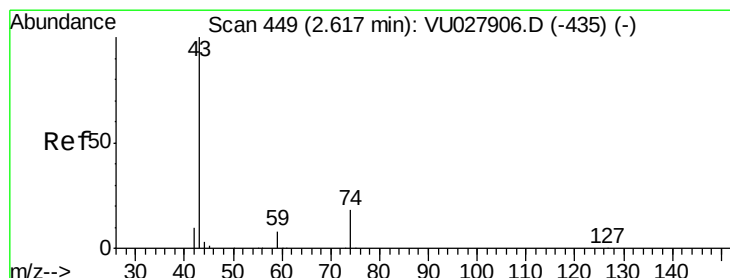
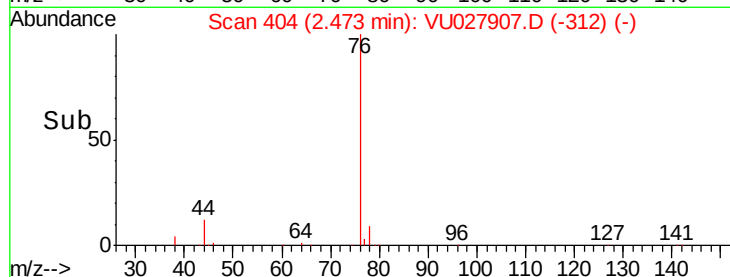
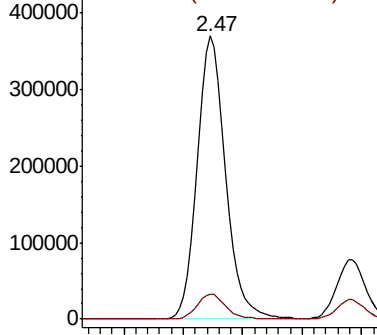
MMDadoda

11/2/2018 9:00:18 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 104.564 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027907.D

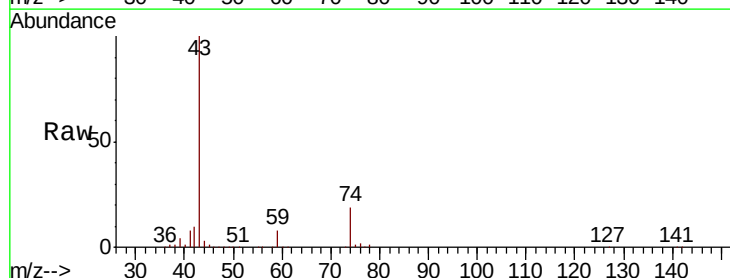
Acq: 01 Nov 2018 19:59

Tgt Ion: 43 Resp: 420395

Ion Ratio Lower Upper

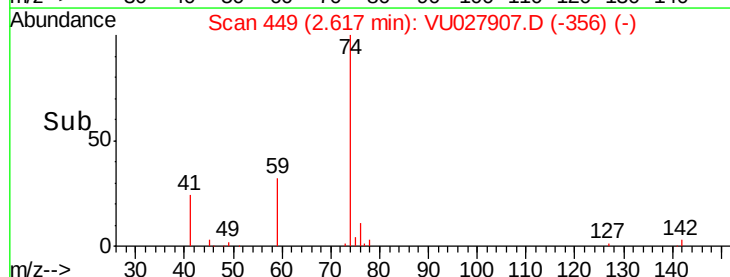
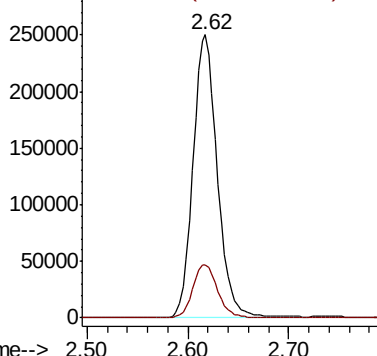
43 100

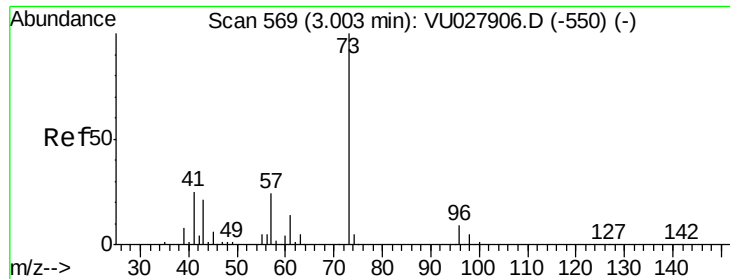
74 19.4 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





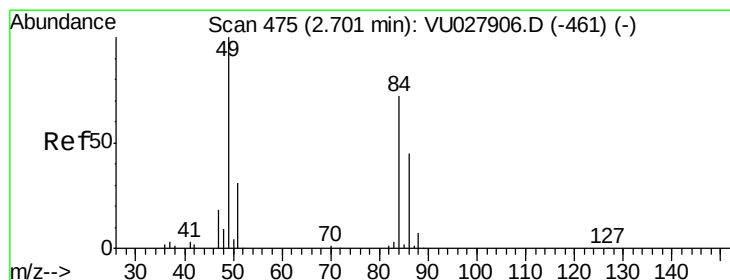
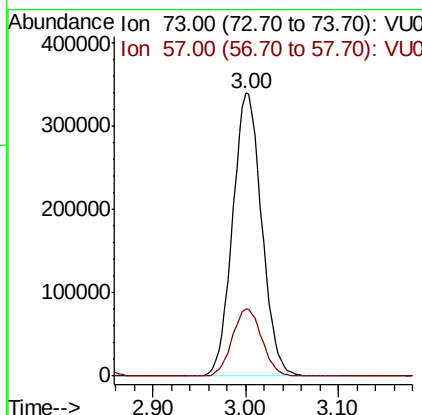
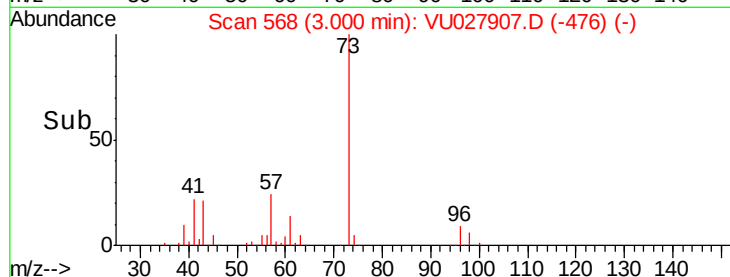
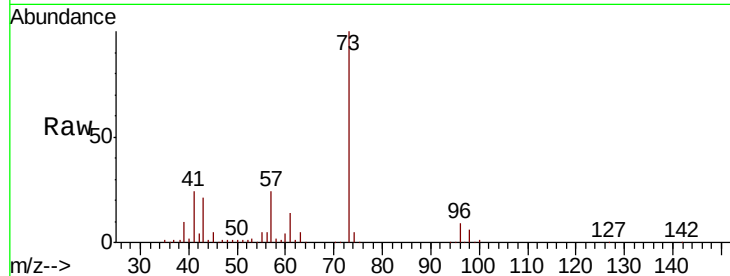
#19
Methyl tert-butyl Ether
Concen: 99.895 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.3	28.9

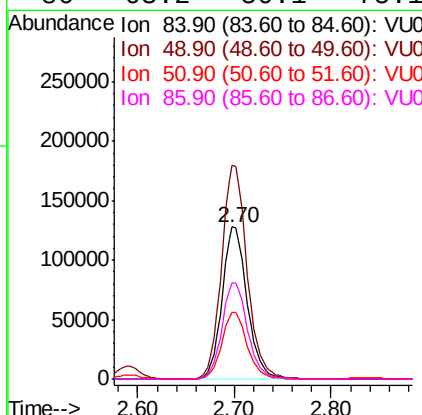
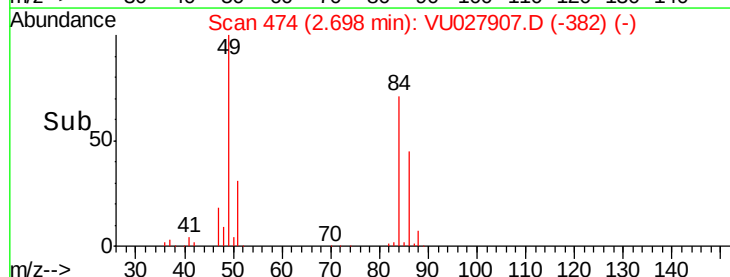
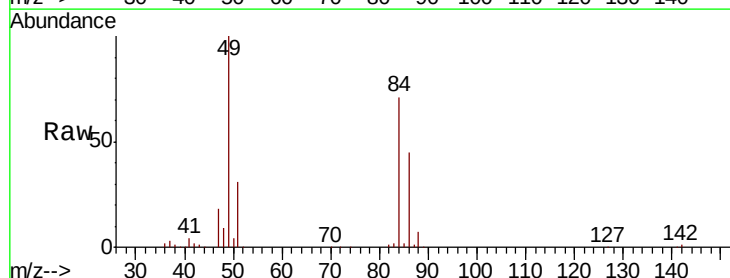
Manual Integrations
APPROVED

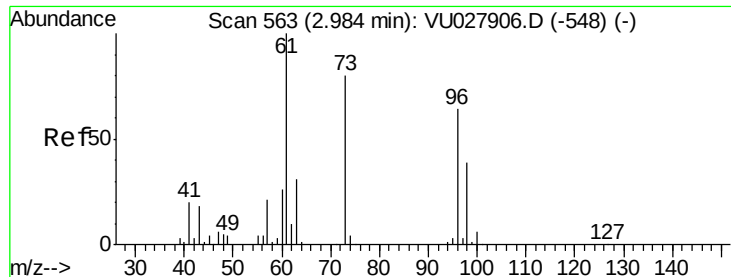
MMDadoda
11/2/2018 9:00:18 AM



#20
Methylene Chloride
Concen: 95.387 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.6	111.6	167.4
51	43.7	34.8	52.2
86	63.2	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 98.038 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

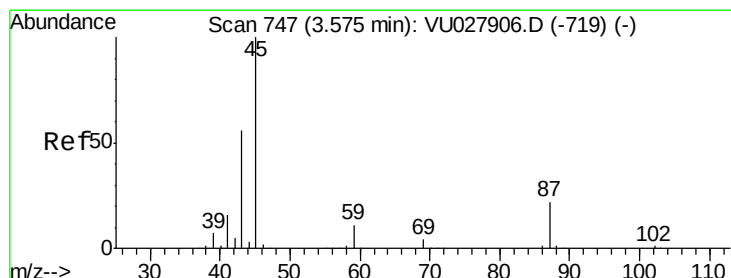
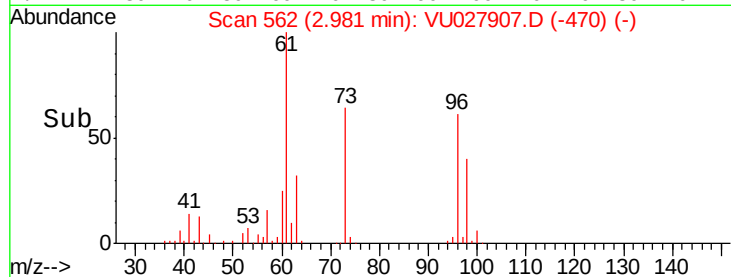
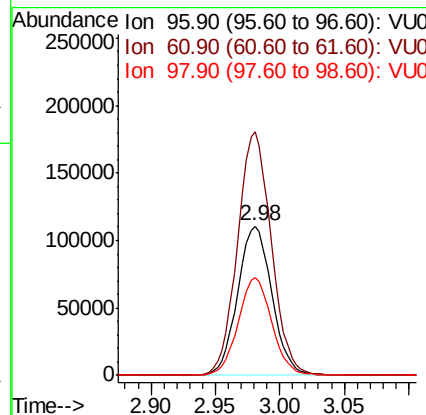
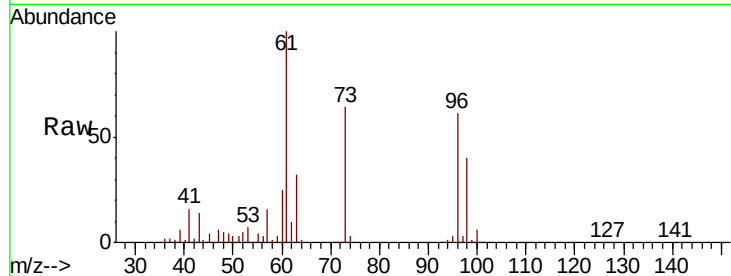
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	204070
Ion	Ratio	Lower	Upper
96	100		
61	163.1	125.0	187.6
98	65.6	48.2	72.4

Manual Integrations
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MMDadoda
11/2/2018 9:00:18 AM



#22

Diisopropyl ether

Concen: 103.534 ug/l

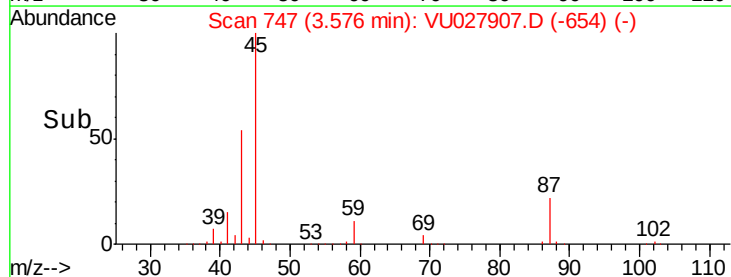
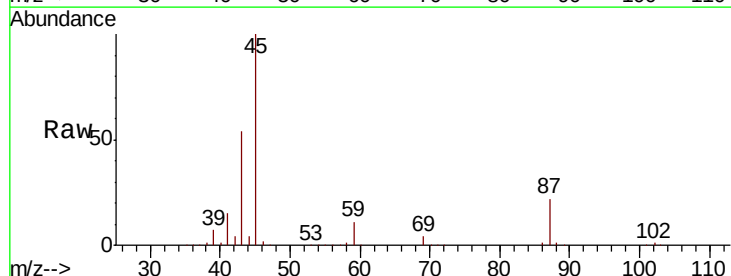
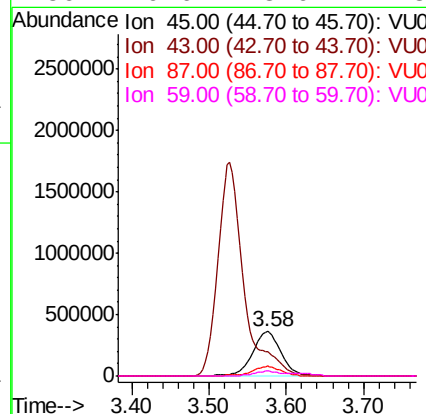
RT: 3.58 min Scan# 747

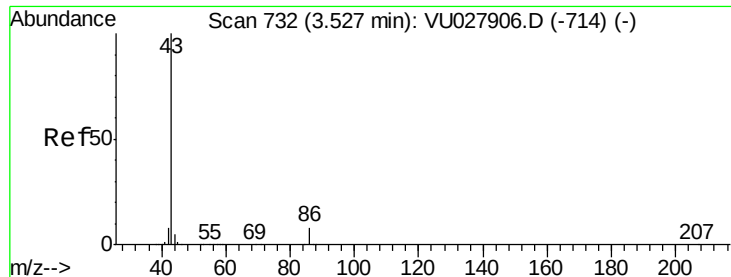
Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Tgt Ion:	45	Resp:	927526
Ion	Ratio	Lower	Upper
45	100		
43	53.8	45.0	67.6
87	21.9	17.9	26.9
59	10.6	8.6	12.8





#23

Vinyl Acetate

Concen: 524.869 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4104166

Ion Ratio Lower Upper

43 100

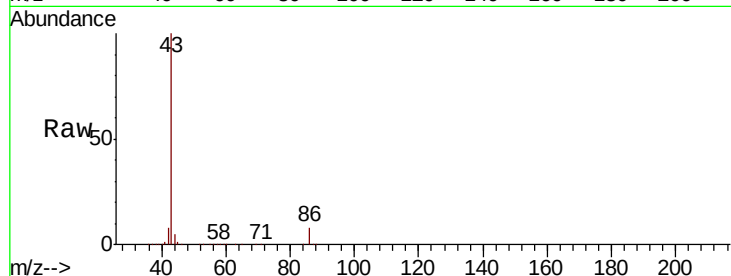
86 8.3 6.6 9.8

Manual Integrations

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MMDadoda

11/2/2018 9:00:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027907.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027907.D (-639) (-)

2000000

1500000

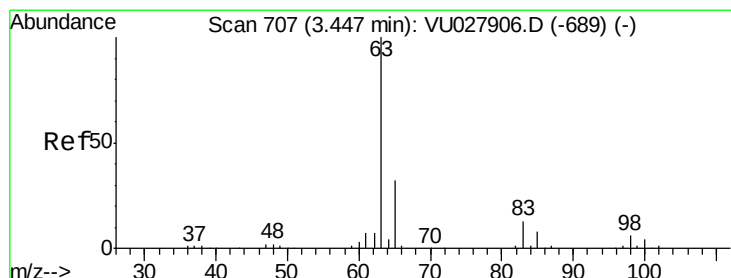
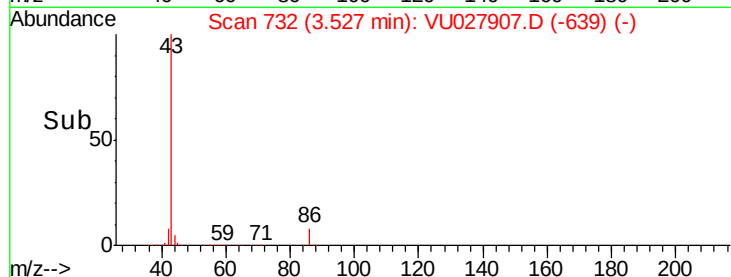
1000000

500000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 98.357 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

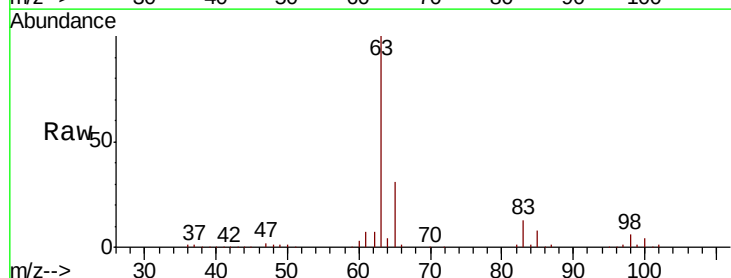
Tgt Ion: 63 Resp: 449472

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 3.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027907.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027907.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027907.D (-614) (-)

250000

200000

150000

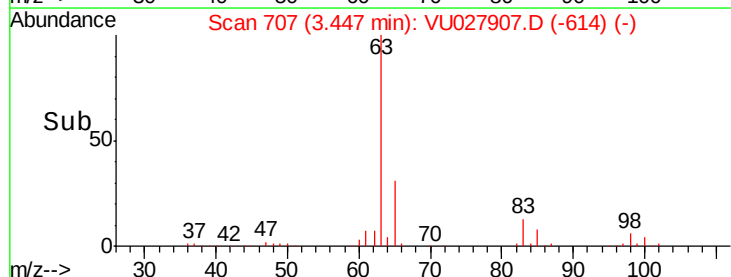
100000

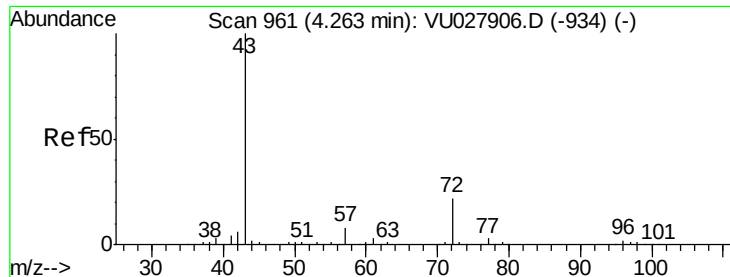
50000

0

3.40 3.50 3.60

Time-->





#25

2-Butanone

Concen: 538.187 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1286392

Ion Ratio Lower Upper

43 100

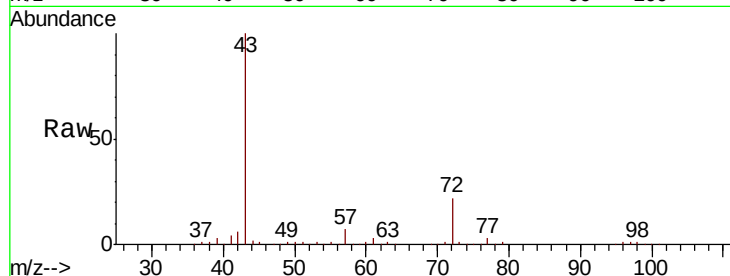
72 21.9 17.7 26.5

Manual Integrations

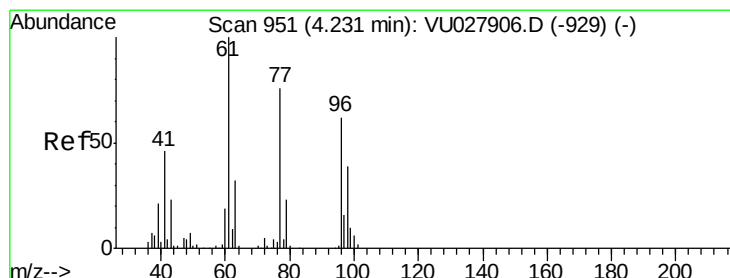
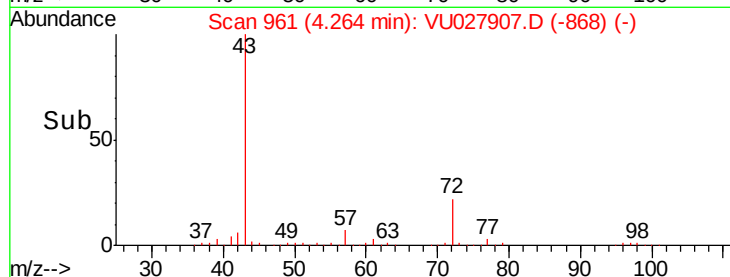
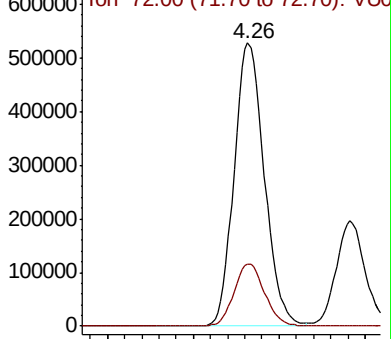
APPROVED

MMDadoda

11/2/2018 9:00:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027907.D (-868) (-)



#26

2,2-Dichloropropane

Concen: 90.169 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027907.D

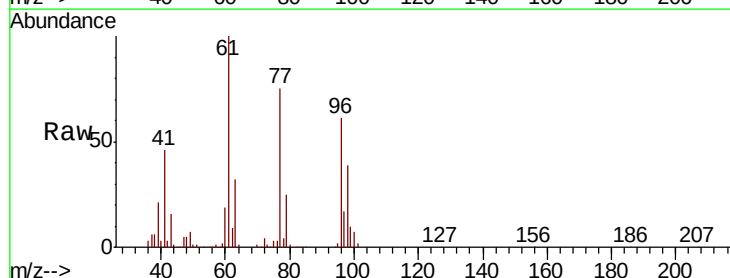
Acq: 01 Nov 2018 19:59

Tgt Ion: 77 Resp: 333561

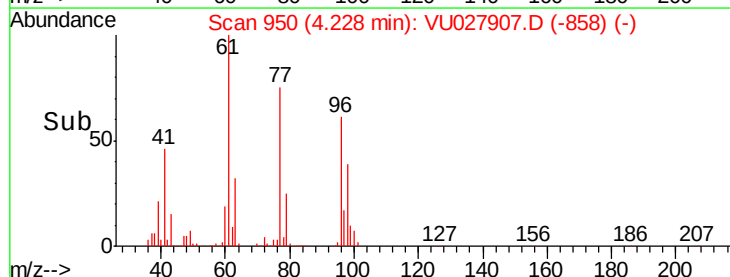
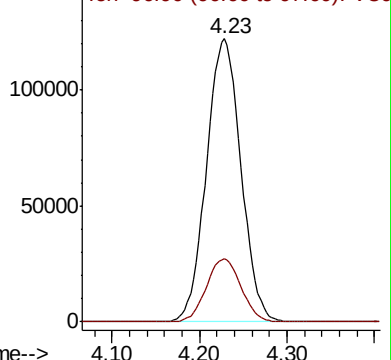
Ion Ratio Lower Upper

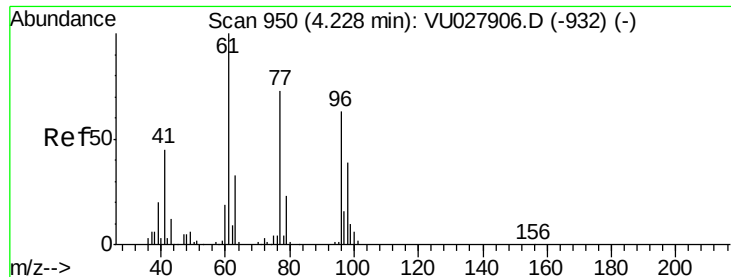
77 100

97 22.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU027907.D (-858) (-)





#27

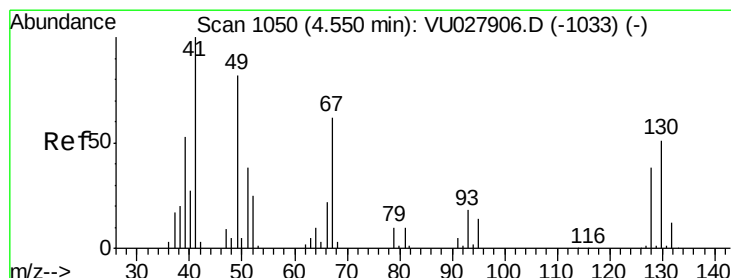
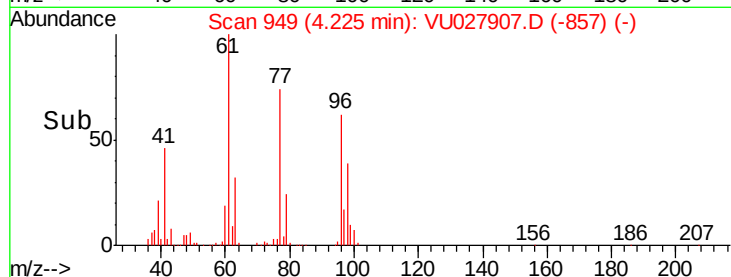
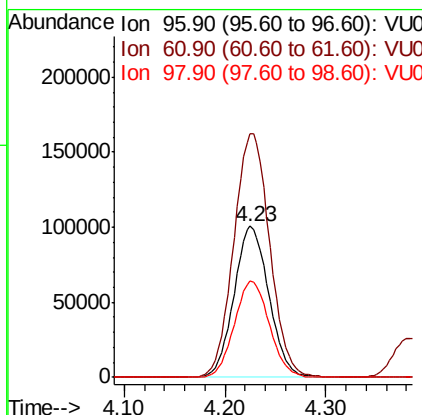
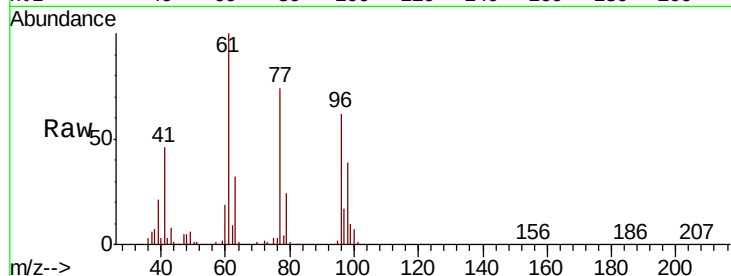
cis-1,2-Dichloroethene
Concen: 100.915 ug/l
RT: 4.23 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.7	0.0	329.6
98	64.0	0.0	127.2

Manual Integrations
APPROVED

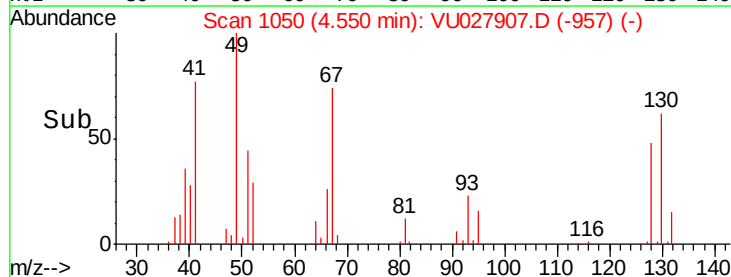
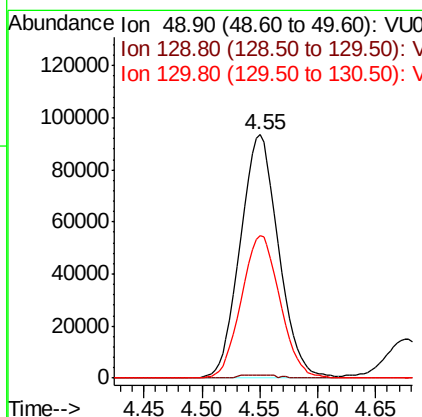
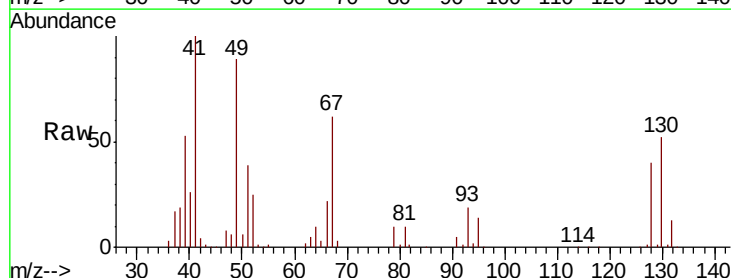
MMDadoda
11/2/2018 9:00:18 AM

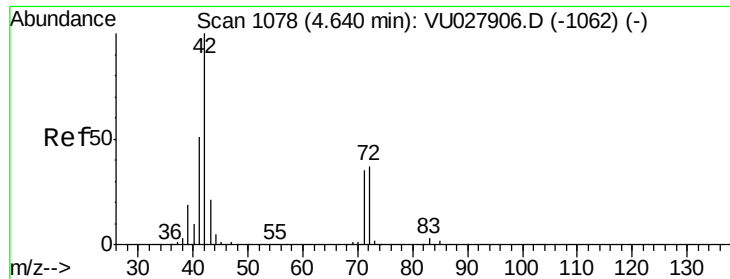


#28

Bromochloromethane
Concen: 99.283 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.0
130	59.1	47.8	71.6





#29

Tetrahydrofuran

Concen: 553.502 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 42 Resp: 840672

Ion Ratio Lower Upper

42 100

72 36.8 29.4 44.0

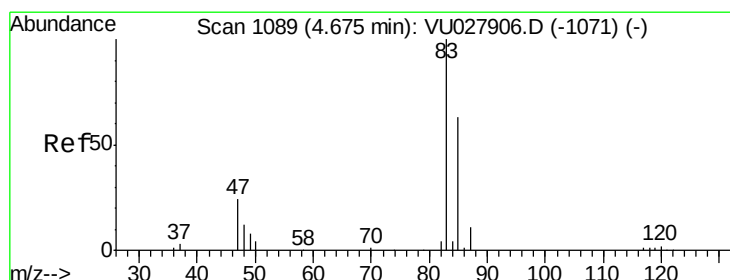
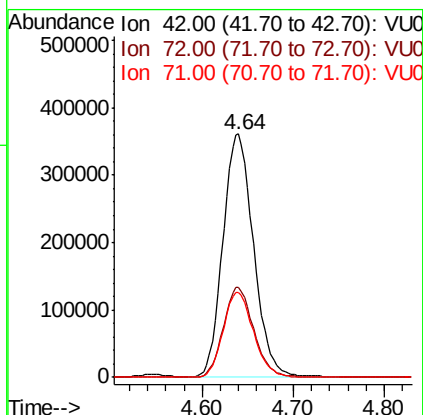
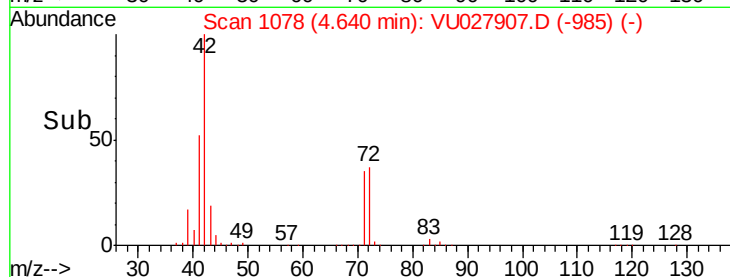
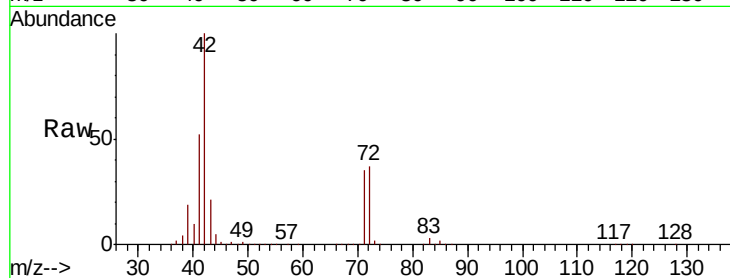
71 34.9 27.9 41.9

Manual Integrations

APPROVED

MMDadoda

11/2/2018 9:00:18 AM



#30

Chloroform

Concen: 101.137 ug/l

RT: 4.68 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU027907.D

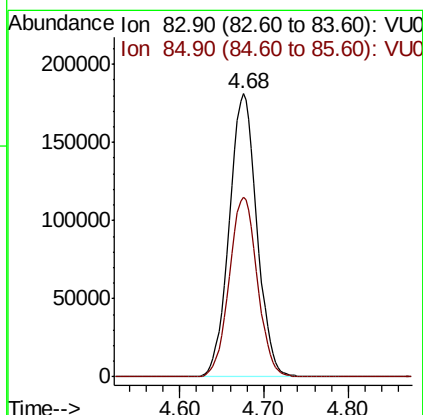
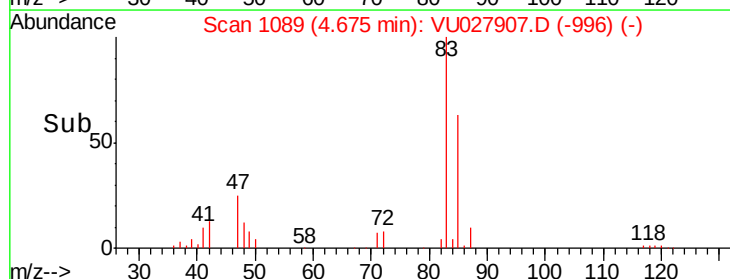
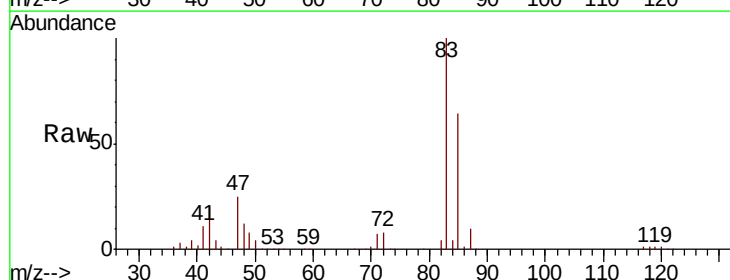
Acq: 01 Nov 2018 19:59

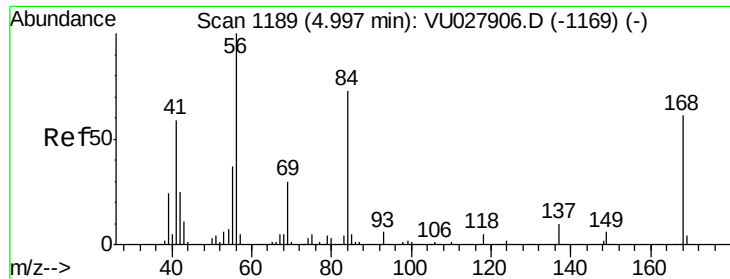
Tgt Ion: 83 Resp: 412404

Ion Ratio Lower Upper

83 100

85 63.6 50.6 76.0





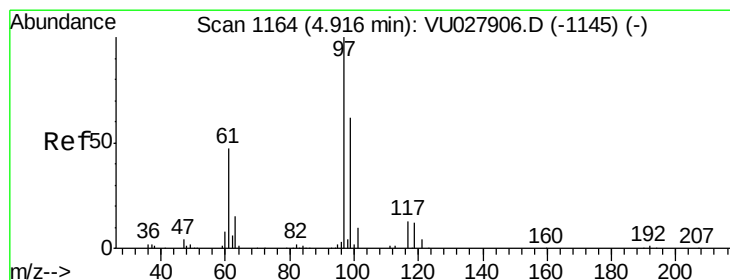
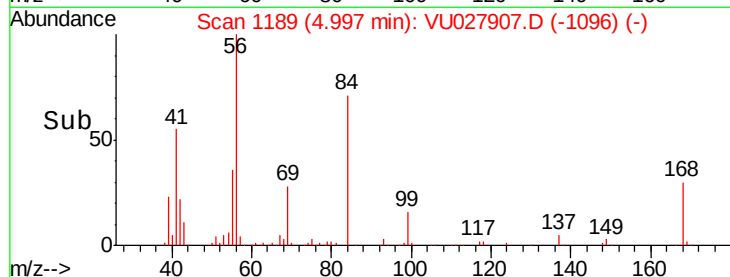
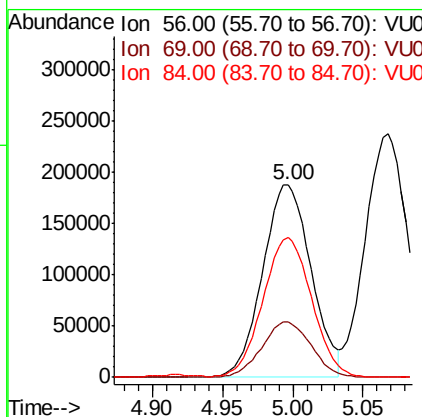
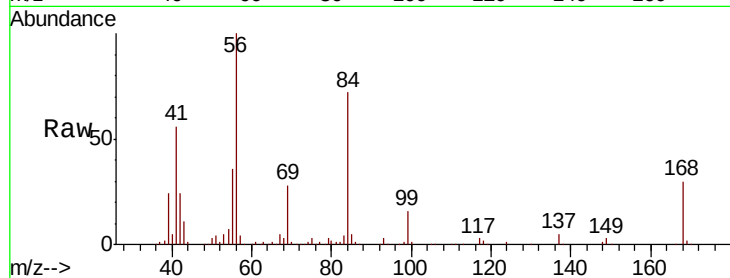
#31
Cyclohexane
Concen: 84.483 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.7	35.5
84	71.5	58.2	87.4

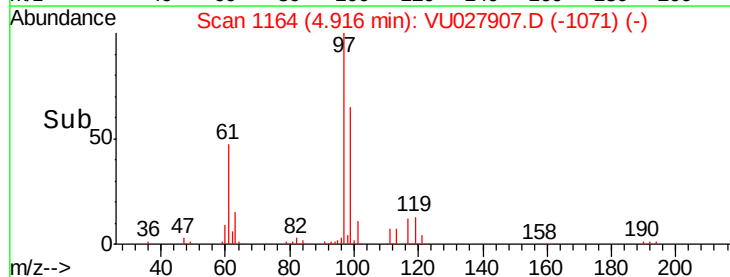
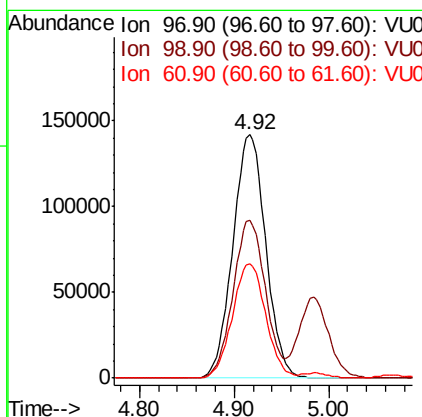
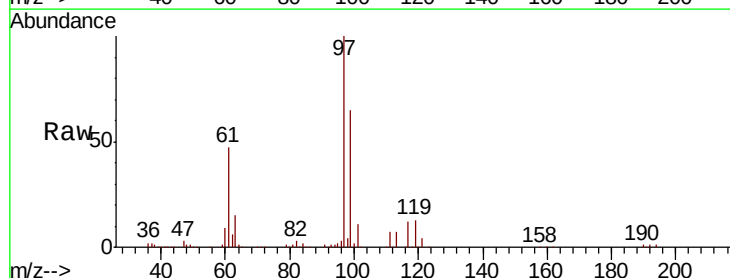
Manual Integrations
APPROVED

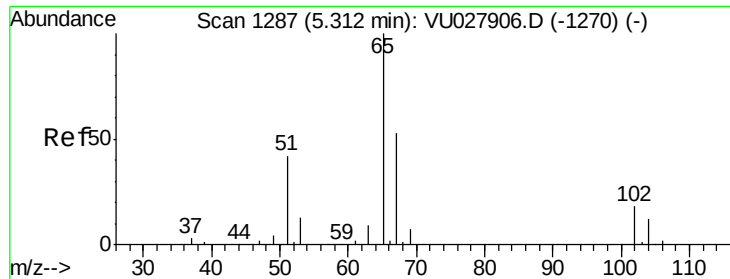
MMDadoda
11/2/2018 9:00:18 AM



#32
1,1,1-Trichloroethane
Concen: 100.374 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.5	75.7
61	47.5	38.3	57.5





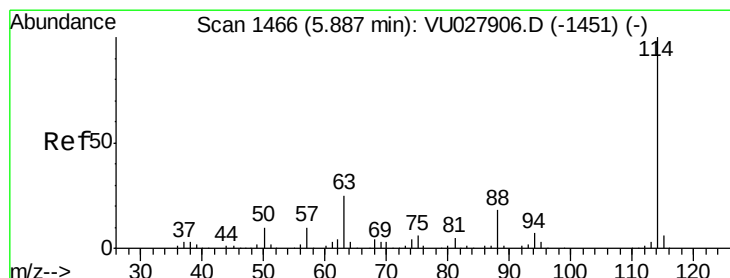
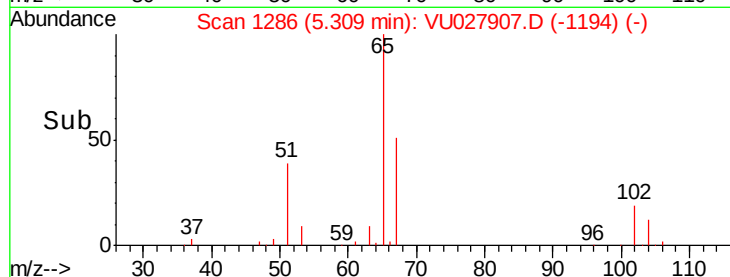
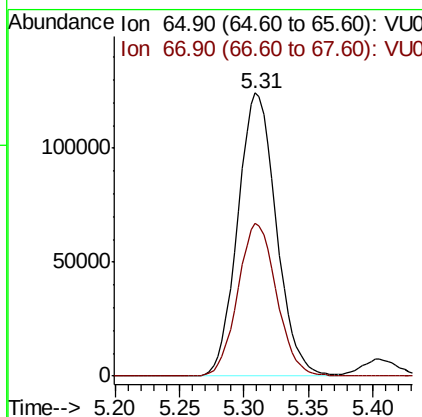
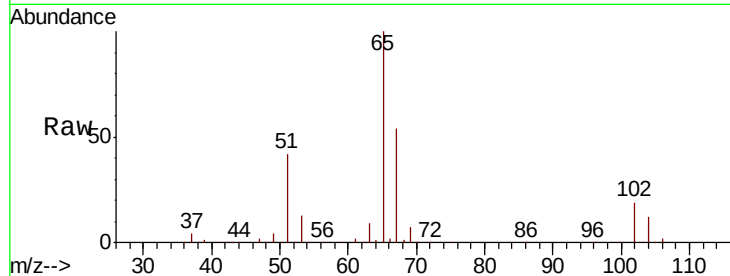
#33
 1,2-Dichloroethane-d4
 Concen: 89.754 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	258849		
67	54.2	0.0	109.0	

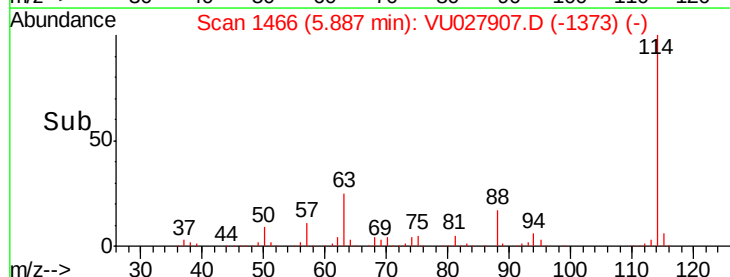
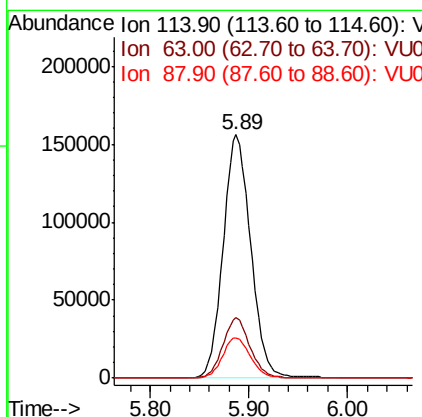
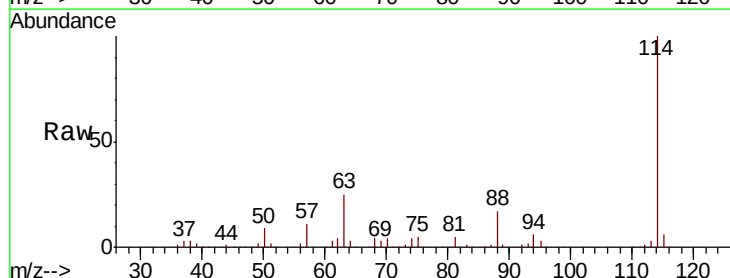
Manual Integrations
 APPROVED

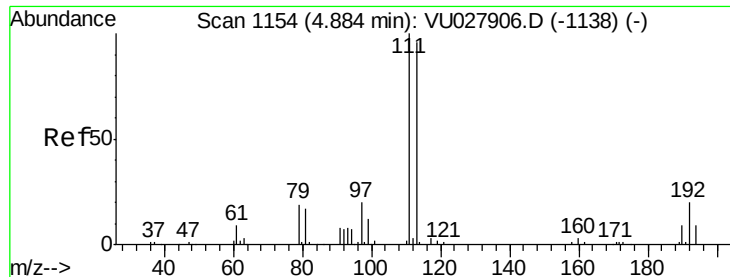
MMDadoda
 11/2/2018 9:00:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	306969		
63	24.7	0.0	50.8	
88	16.5	0.0	35.8	





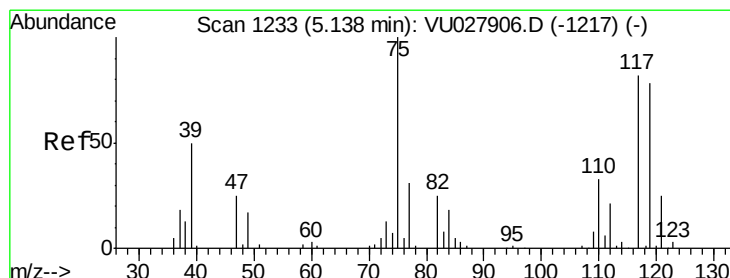
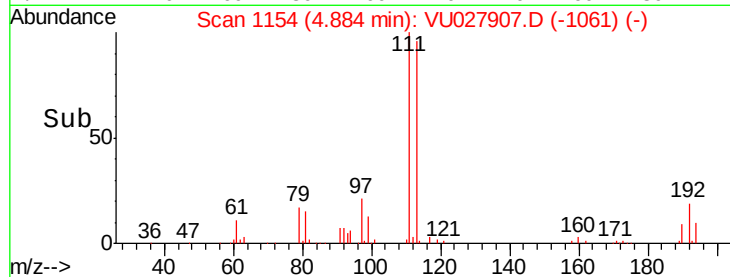
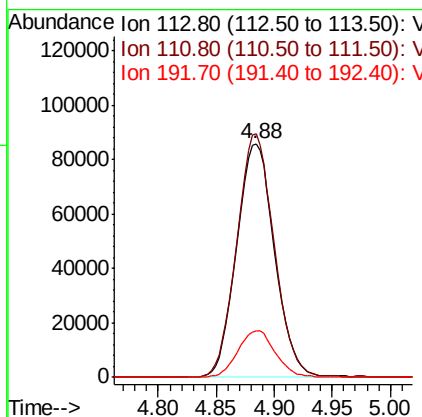
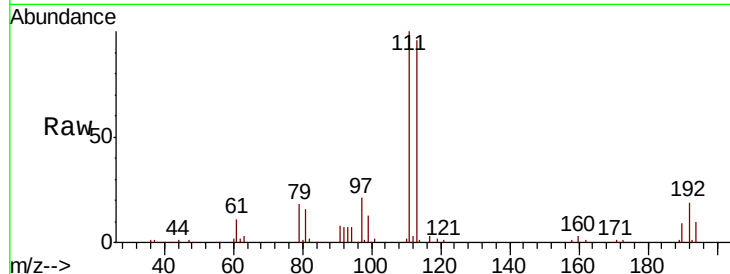
#35
 Dibromofluoromethane
 Concen: 93.556 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	195241		
111	102.7	83.0	124.6	
192	19.7	15.6	23.4	

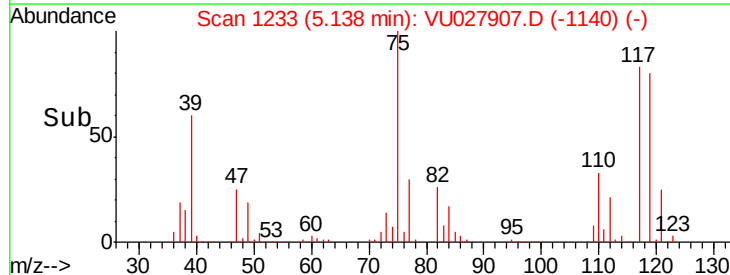
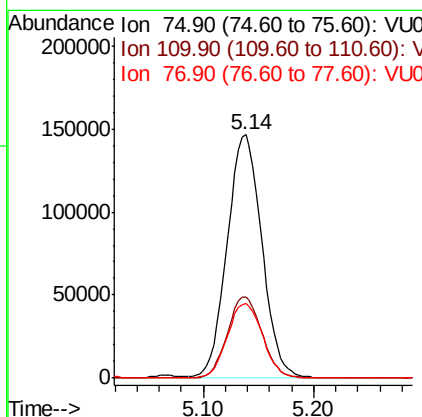
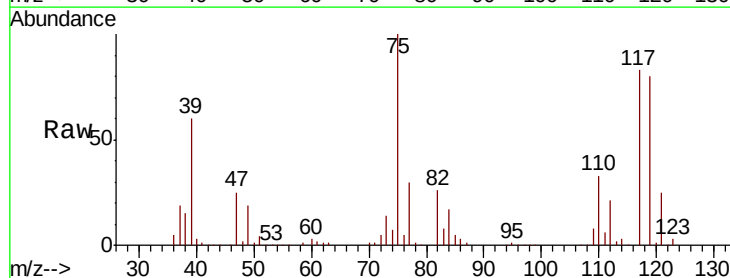
Manual Integrations
 APPROVED

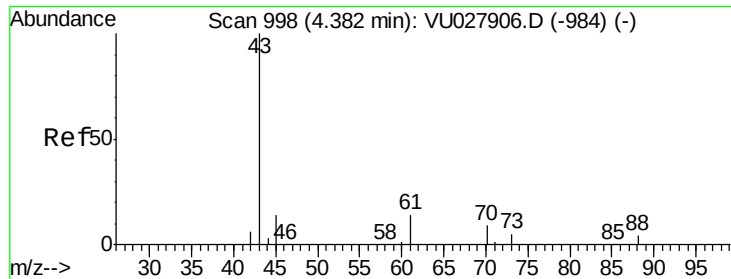
MMDadoda
 11/2/2018 9:00:18 AM



#36
 1,1-Dichloropropene
 Concen: 96.207 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	318638		
110	33.4	16.5	49.5	
77	31.4	24.9	37.3	





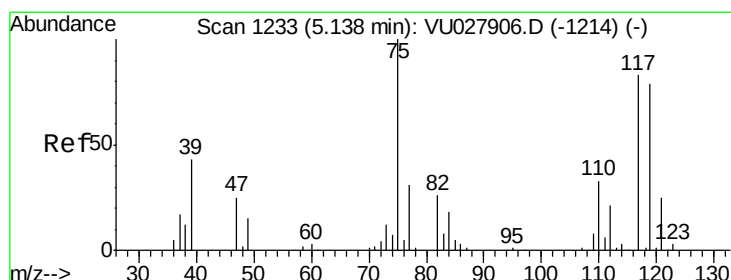
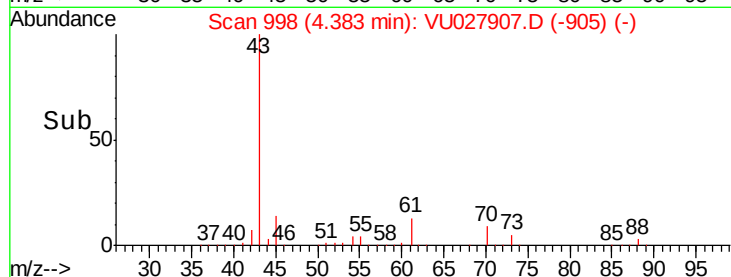
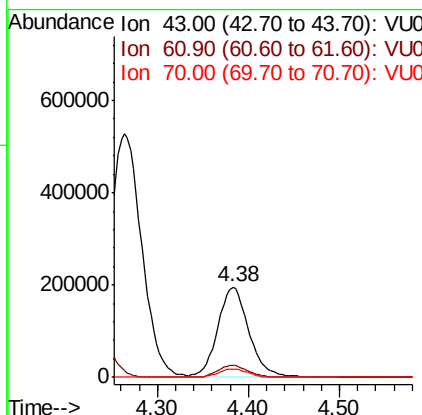
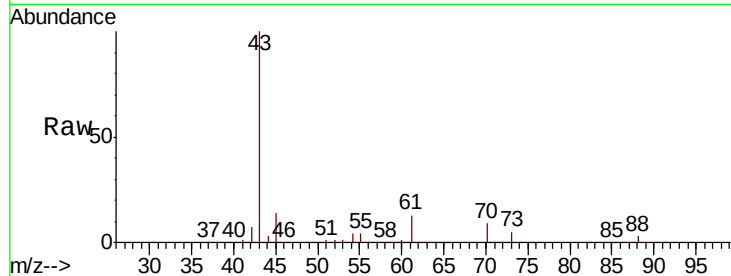
#37
Ethyl Acetate
Concen: 105.339 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.3	15.5
70	9.1	7.0	10.6

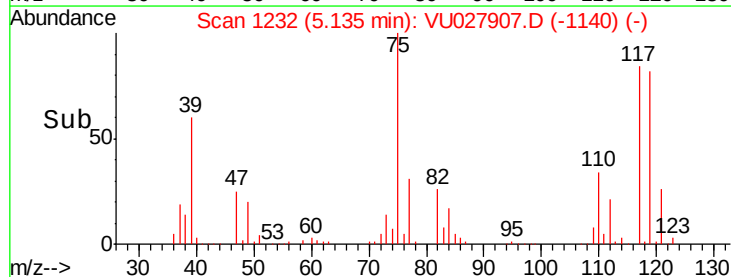
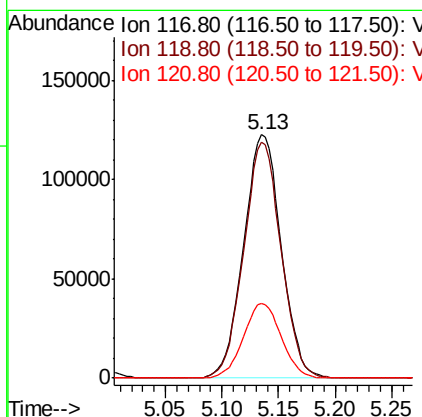
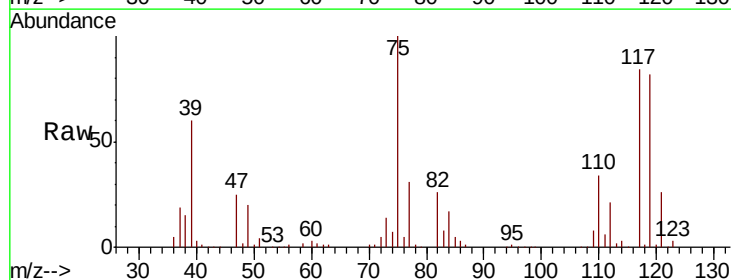
Manual Integrations
APPROVED

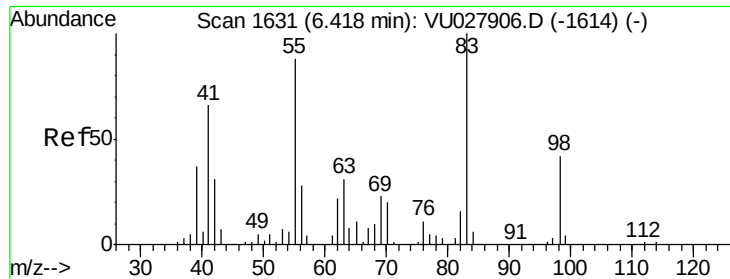
MMDadoda
11/2/2018 9:00:18 AM



#38
Carbon Tetrachloride
Concen: 94.739 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.0	114.0
121	30.8	24.5	36.7





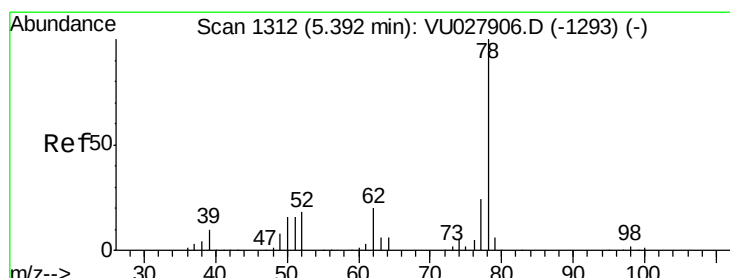
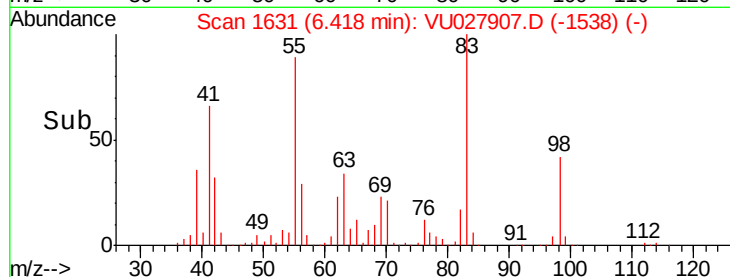
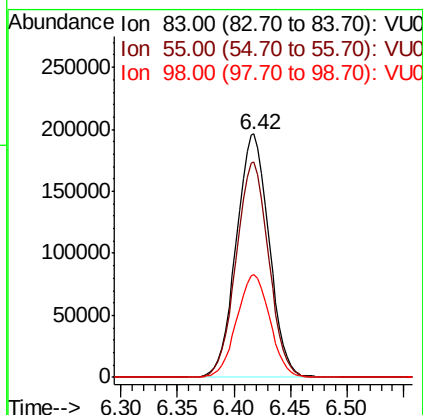
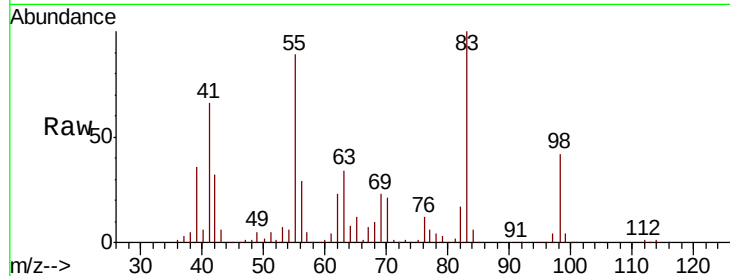
#39
Methylvlcyclohexane
Concen: 102.331 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.6	70.3	105.5
98	42.5	34.0	51.0

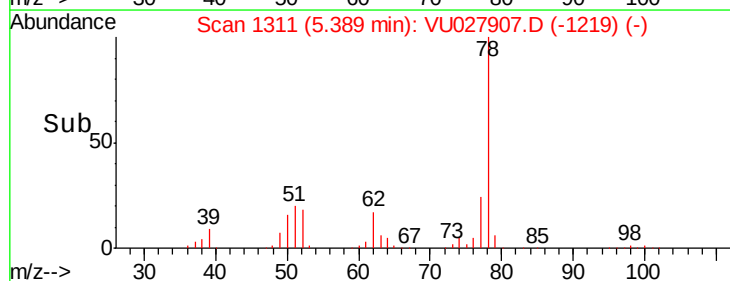
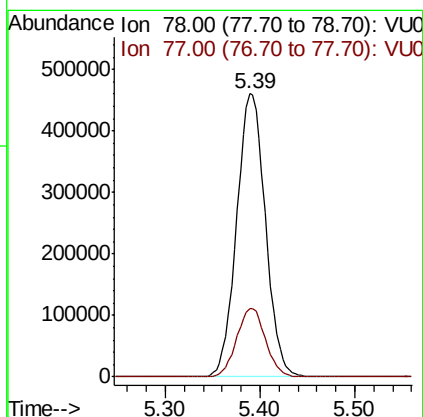
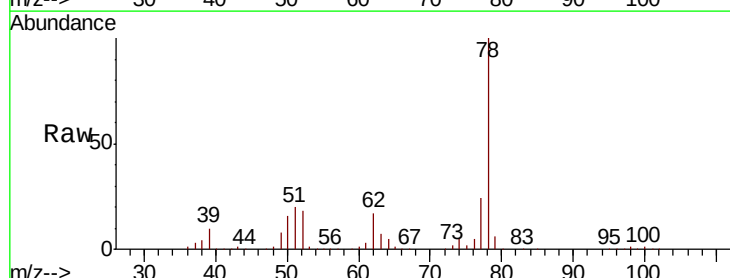
Manual Integrations
APPROVED

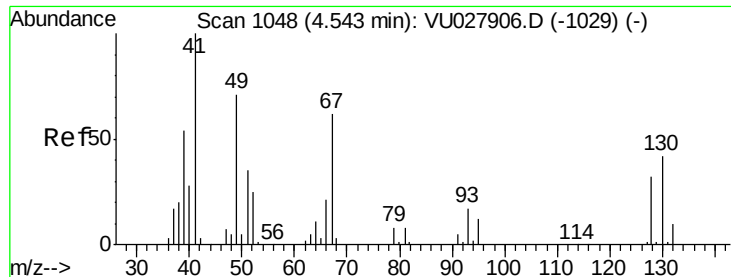
MMDadoda
11/2/2018 9:00:18 AM



#40
Benzene
Concen: 99.404 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





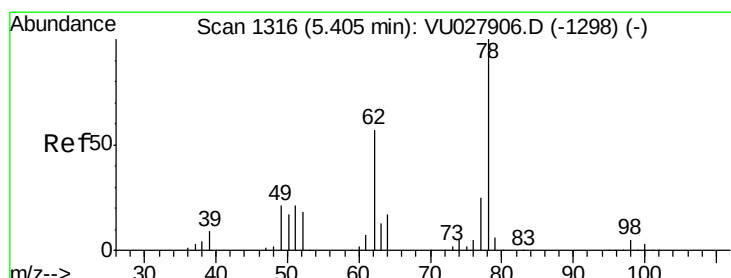
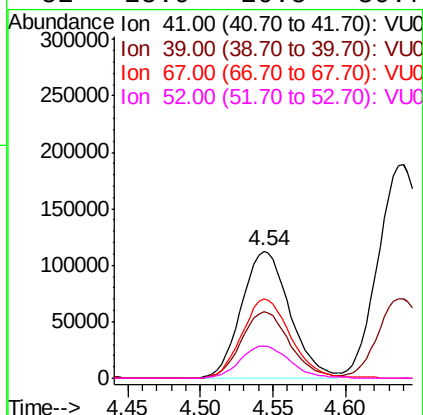
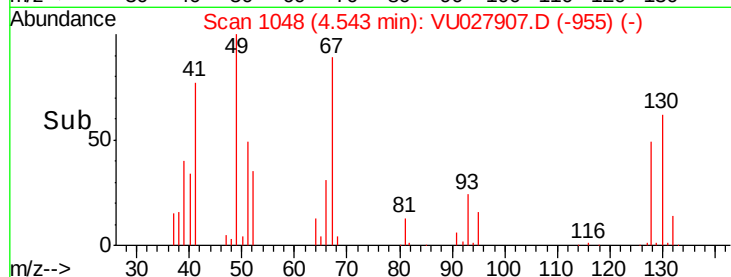
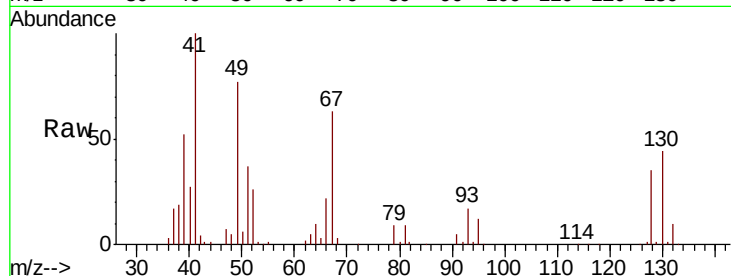
#41
Methacrylonitrile
Concen: 104.973 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.3	42.2	63.4
67	63.7	49.5	74.3
52	25.9	20.5	30.7

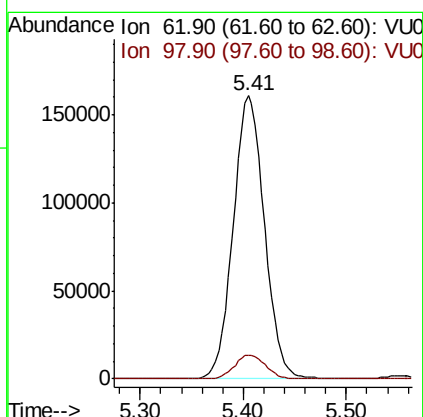
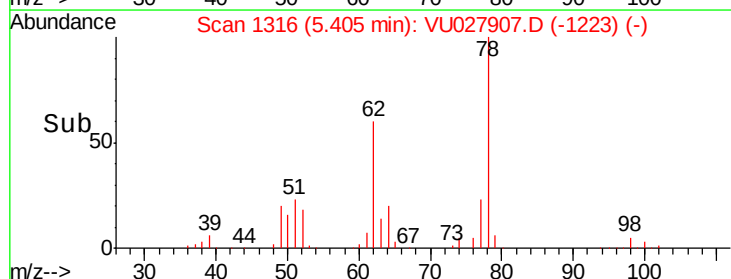
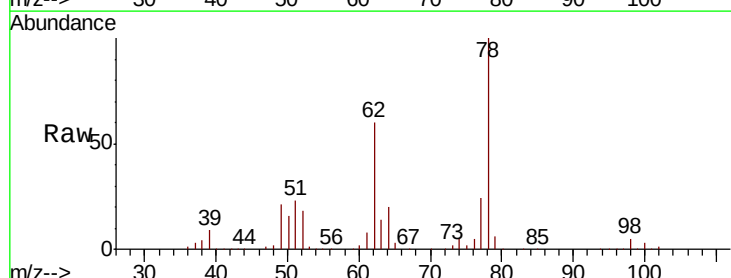
Manual Integrations
APPROVED

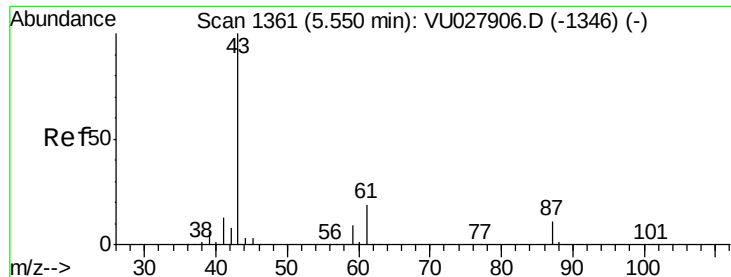
MMDadoda
11/2/2018 9:00:18 AM



#42
1,2-Dichloroethane
Concen: 94.574 ug/l
RT: 5.41 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2





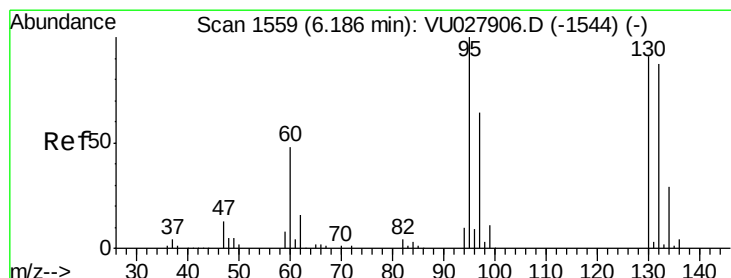
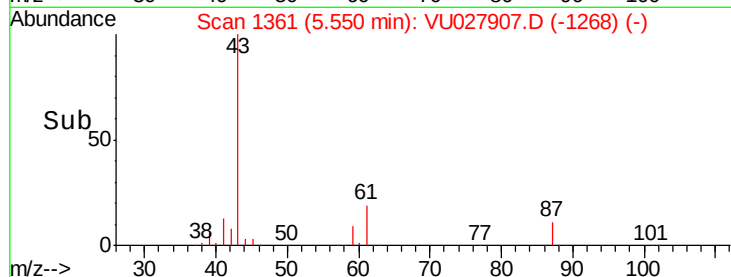
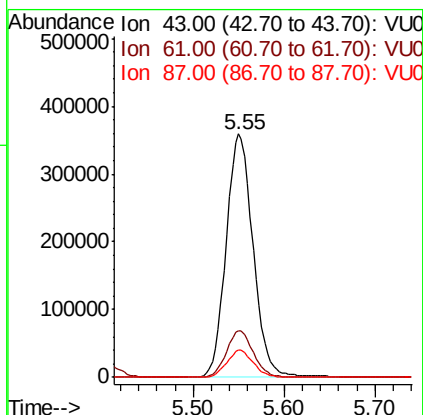
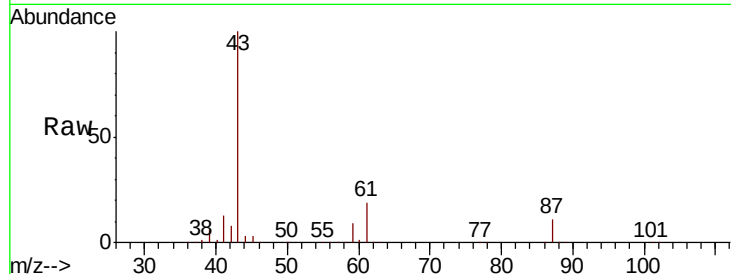
#43
Isopropyl Acetate
Concen: 108.501 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion:	43	Resp:	737573
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.0	22.4
87	11.0	8.6	12.8

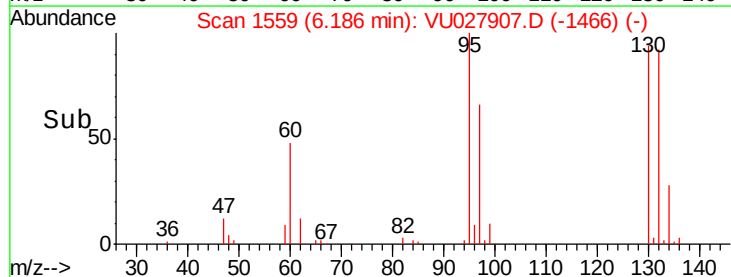
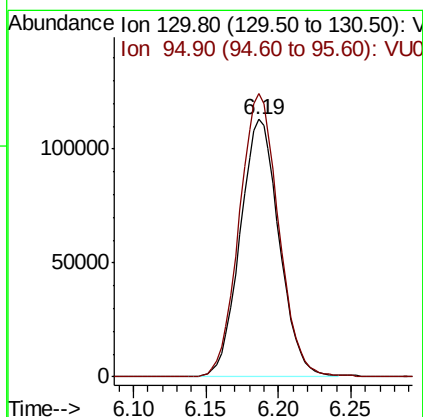
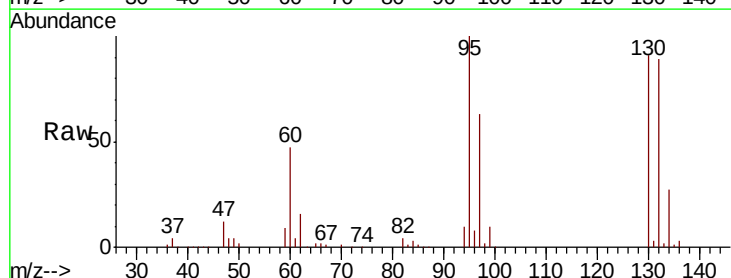
Manual Integrations
APPROVED

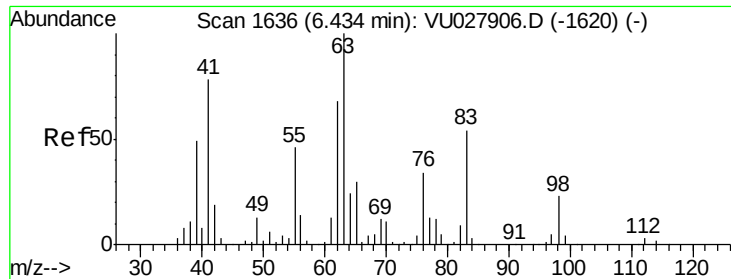
MMDadoda
11/2/2018 9:00:18 AM



#44
Trichloroethene
Concen: 97.992 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion:	130	Resp:	211867
Ion	Ratio	Lower	Upper
130	100		
95	109.9	0.0	219.2





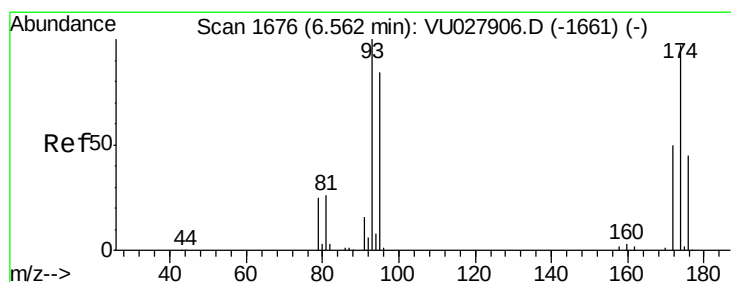
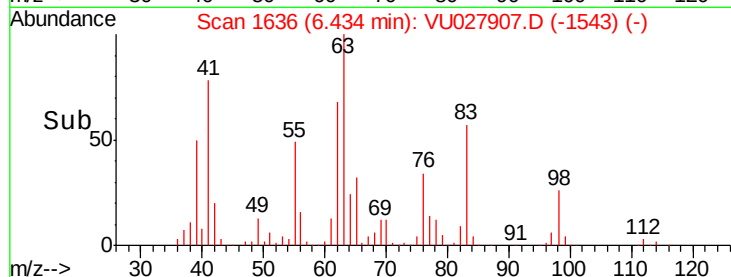
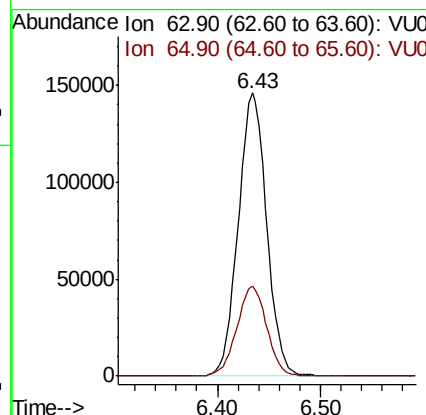
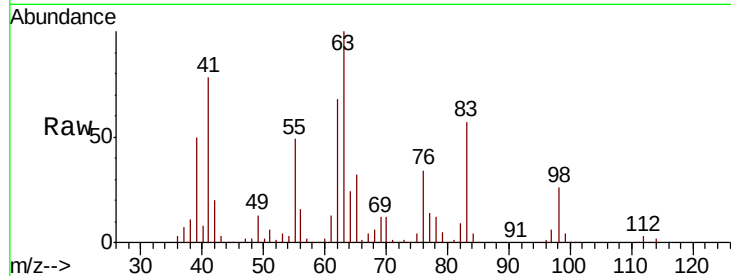
#45
 1,2-Dichloropropane
 Concen: 99.771 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.4	36.6

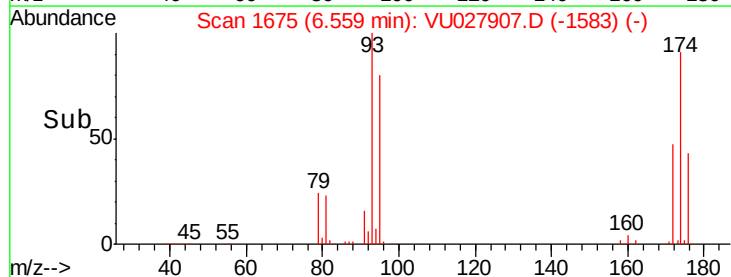
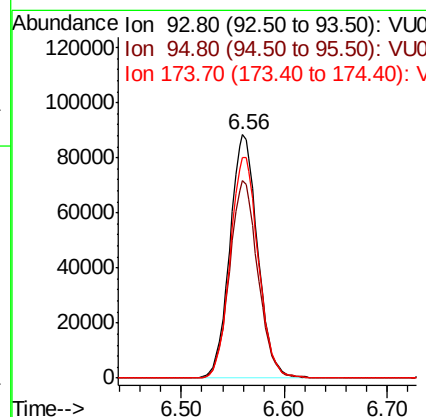
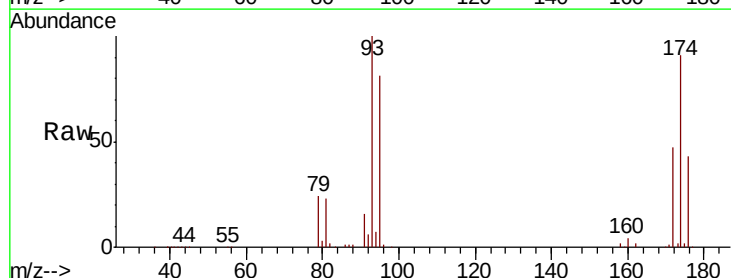
Manual Integrations
 APPROVED

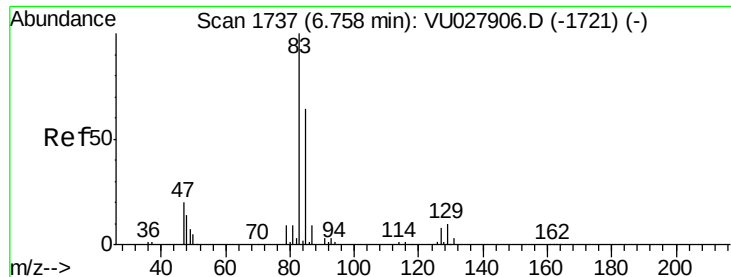
MMDadoda
 11/2/2018 9:00:18 AM



#46
 Dibromomethane
 Concen: 104.766 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	68.5	102.7
174	91.7	76.1	114.1





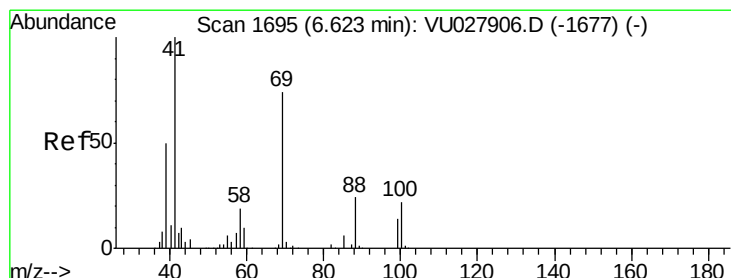
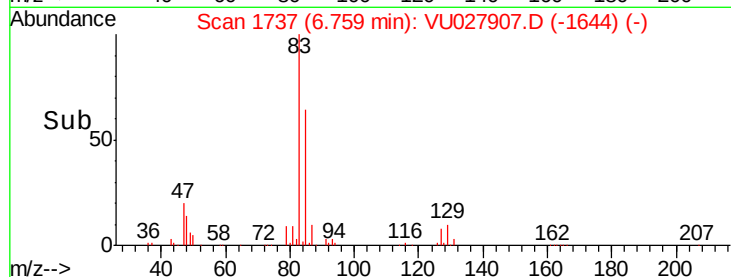
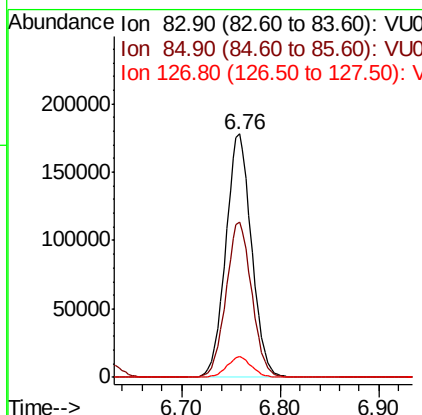
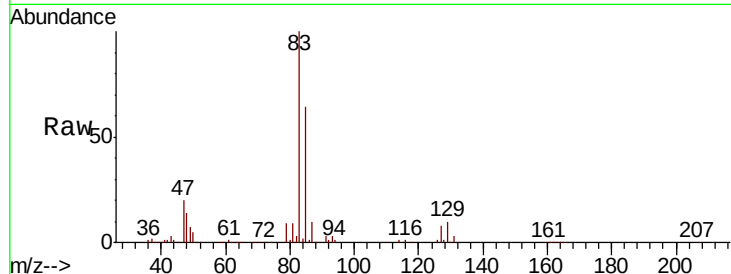
#47
Bromodichloromethane
Concen: 99.453 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	325018		
85	63.7	51.0	76.6	
127	8.4	6.2	9.4	

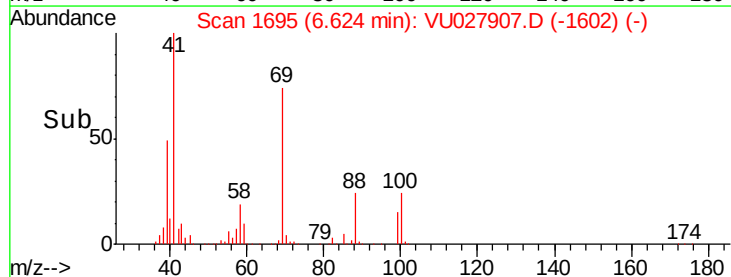
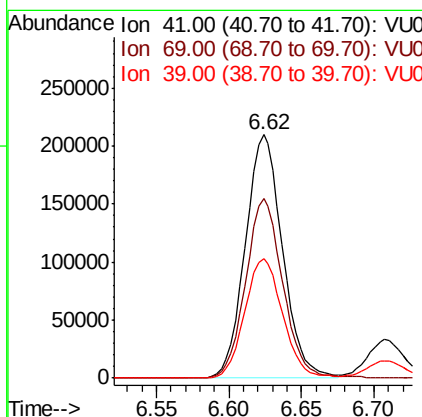
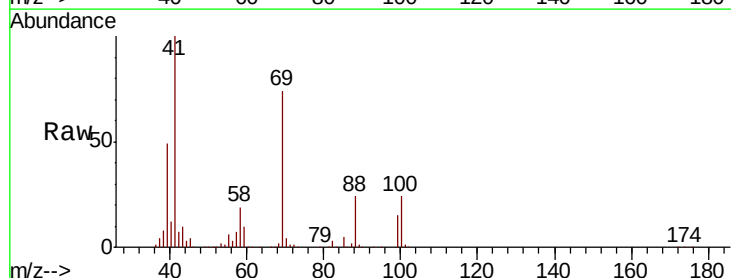
Manual Integrations
APPROVED

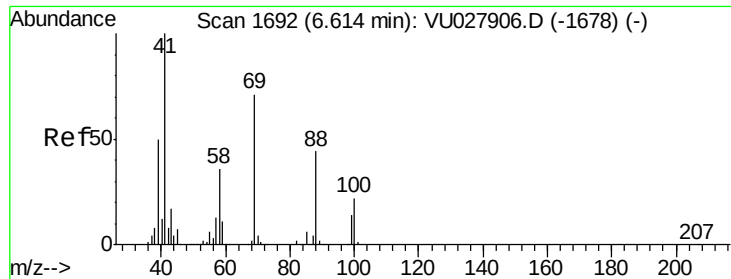
MMDadoda
11/2/2018 9:00:18 AM



#48
Methyl methacrylate
Concen: 110.221 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	372940		
69	74.3	59.8	89.8	
39	50.2	40.0	60.0	





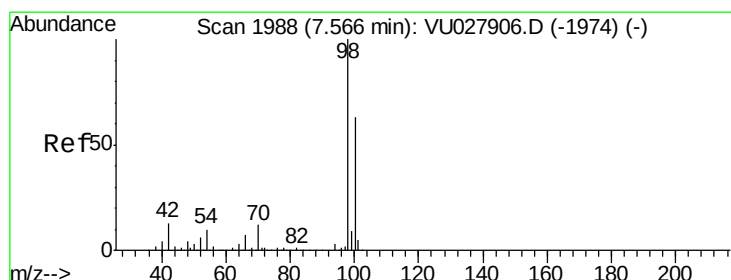
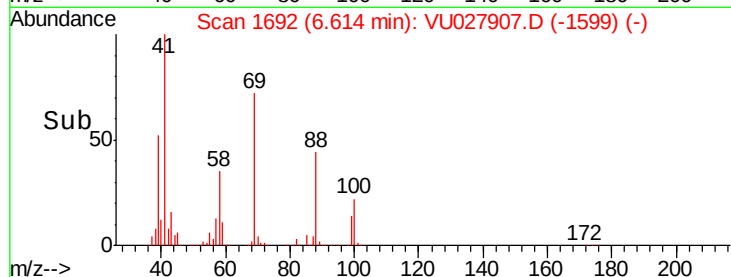
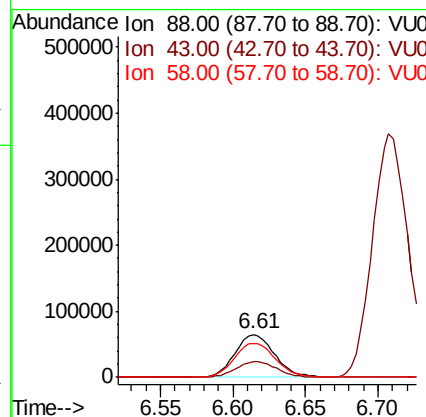
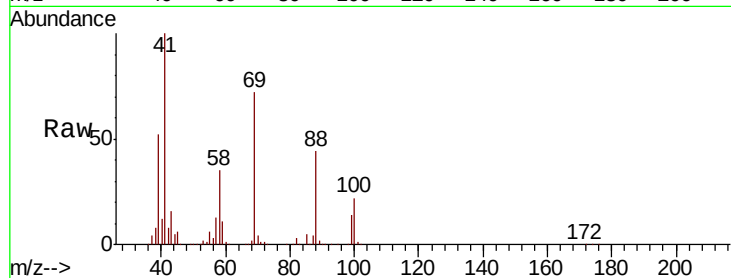
#49
1,4-Dioxane
Concen: 2121.597 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	122413		
43	37.3		30.5	45.7
58	83.2		67.1	100.7

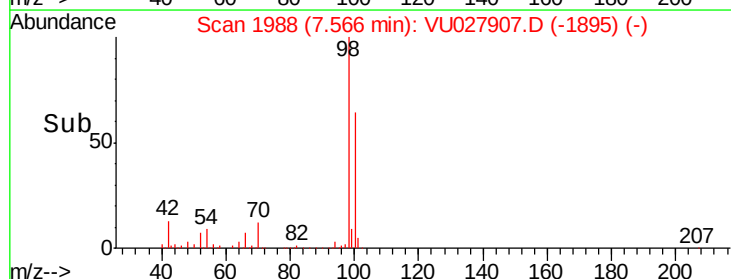
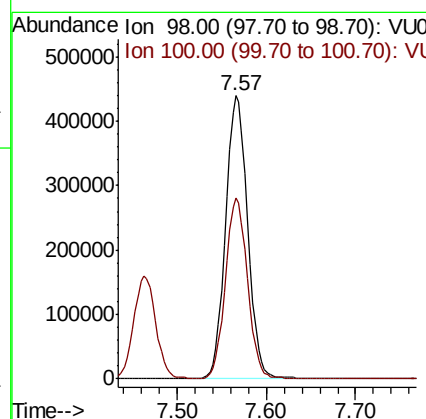
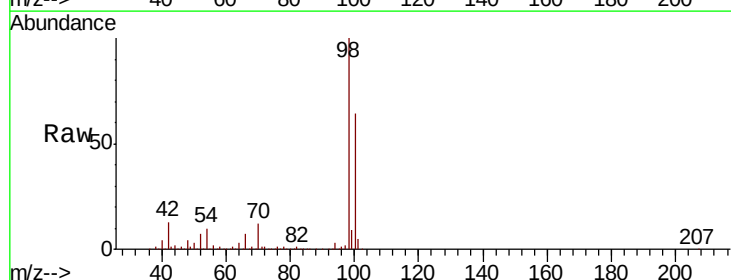
Manual Integrations
APPROVED

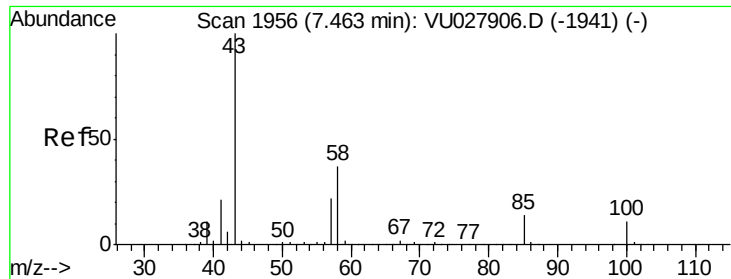
MMDadoda
11/2/2018 9:00:18 AM



#50
Toluene-d8
Concen: 96.498 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	751577		
100	63.8		50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 557.835 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2479166

Ion Ratio Lower Upper

43 100

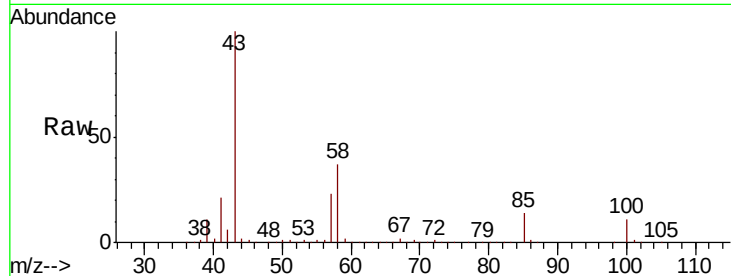
58 37.0 29.5 44.3

Manual Integrations

APPROVED

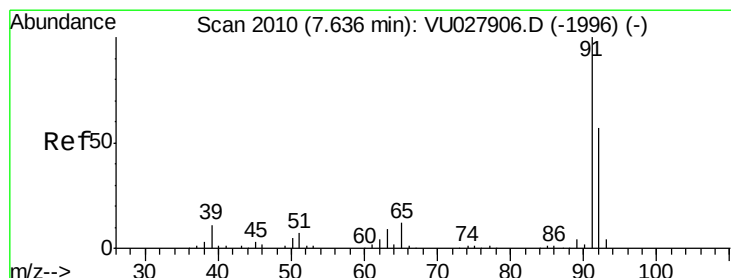
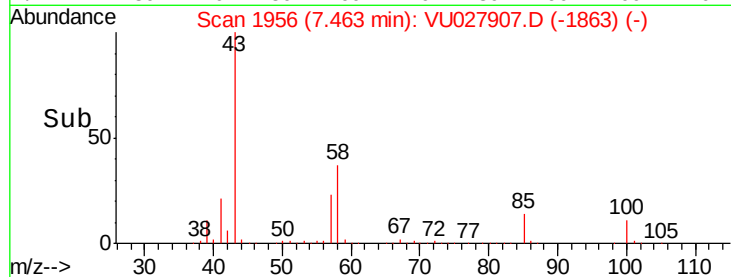
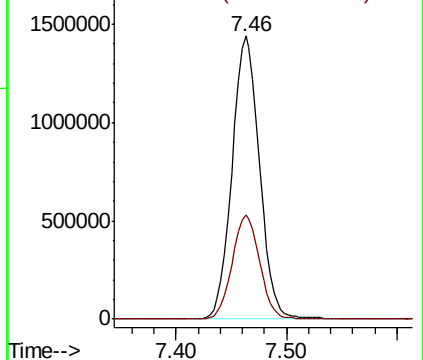
MMDadoda

11/2/2018 9:00:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)



#52

Toluene

Concen: 101.263 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU027907.D

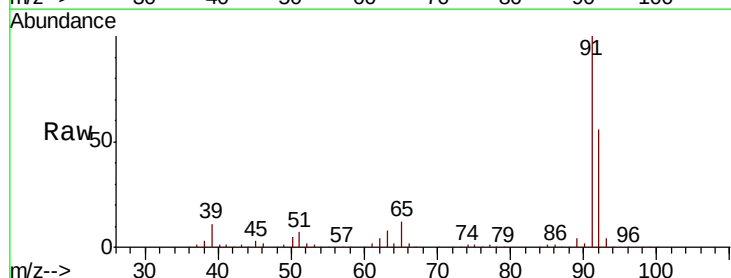
Acq: 01 Nov 2018 19:59

Tgt Ion: 92 Resp: 582988

Ion Ratio Lower Upper

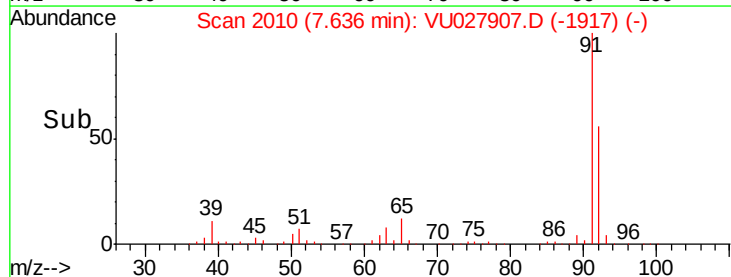
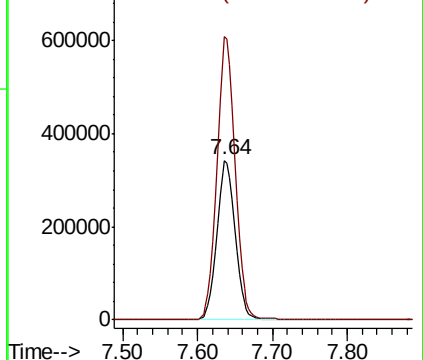
92 100

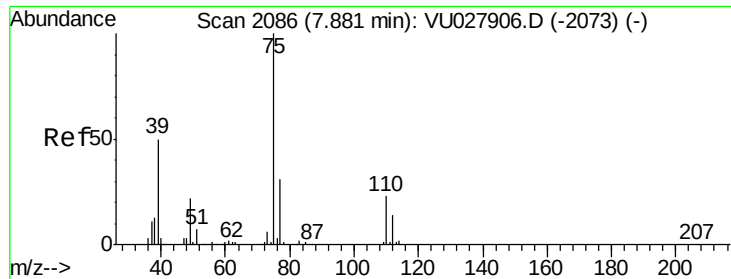
91 177.7 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)





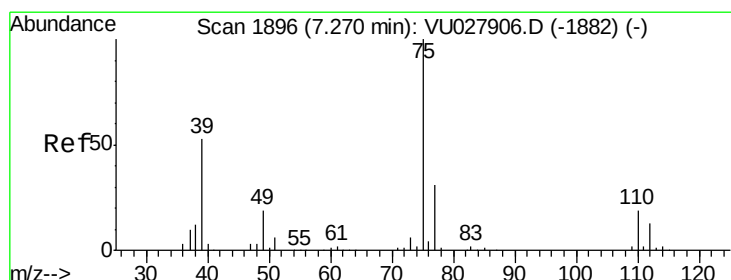
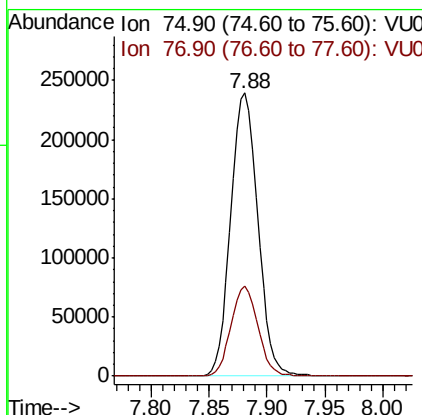
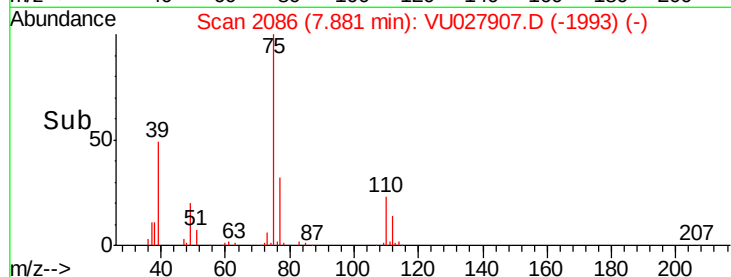
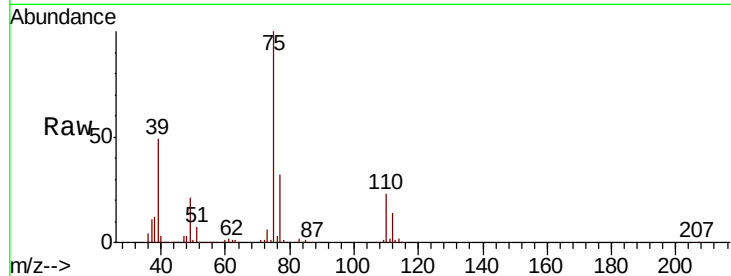
#53
t-1,3-Dichloropropene
Concen: 101.863 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampled :
VSTDIC100

Tot Ion: 75 Resp: 389646
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7

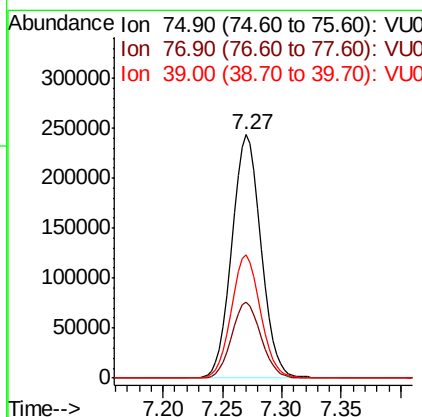
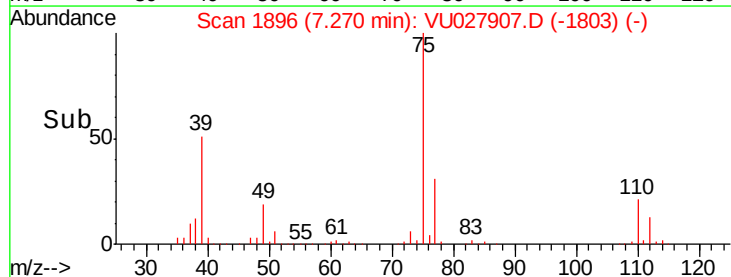
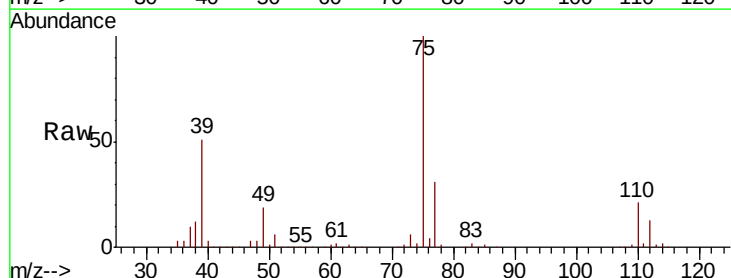
Manual Integrations
APPROVED

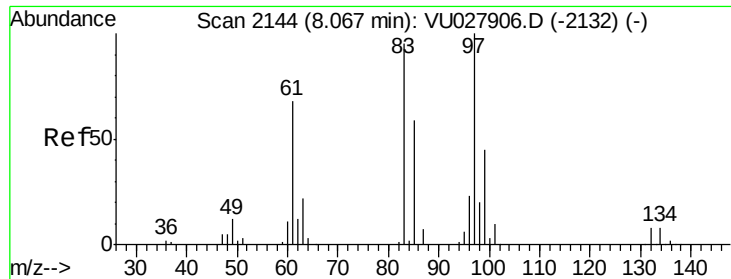
MMDadoda
11/2/2018 9:00:18 AM



#54
cis-1,3-Dichloropropene
Concen: 100.830 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion: 75 Resp: 414978
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0
39 50.6 42.6 64.0





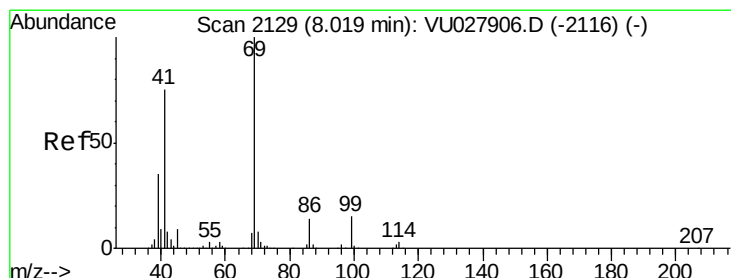
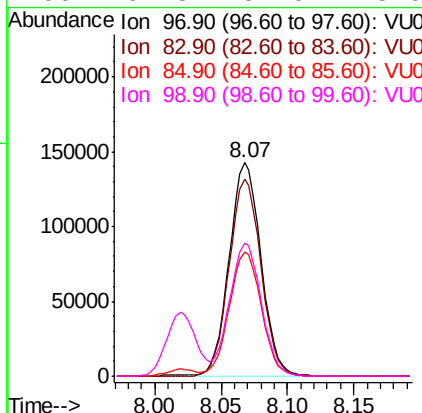
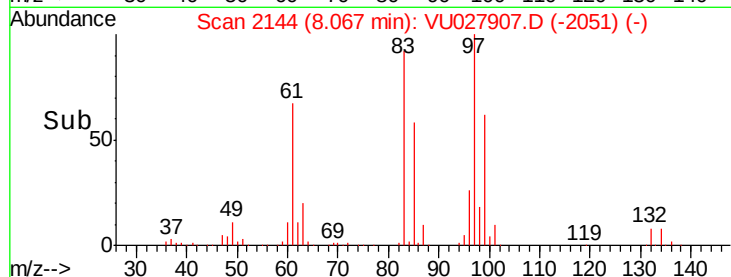
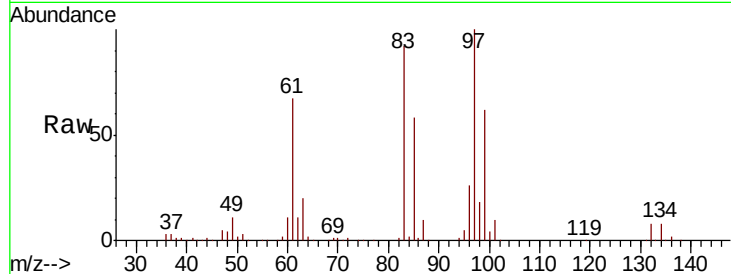
#55
 1,1,2-Trichloroethane
 Concen: 103.785 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	236927
Ion	Ratio	Lower	Upper
97	100		
83	92.5	76.1	114.1
85	57.8	48.9	73.3
99	62.3	52.0	78.0

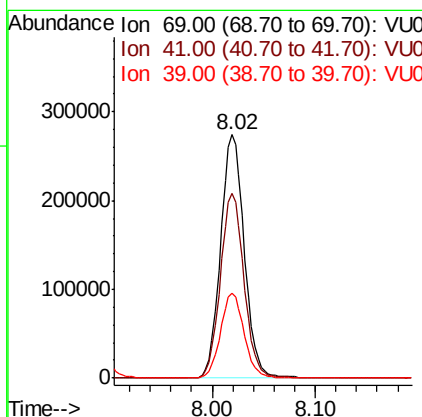
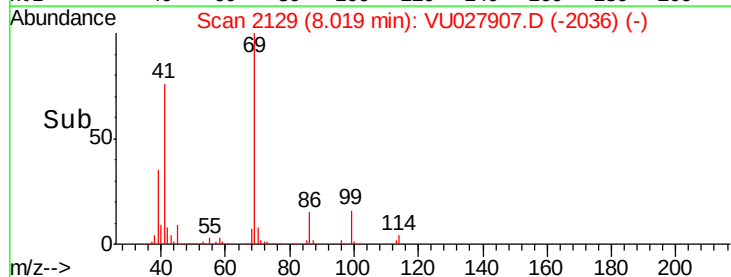
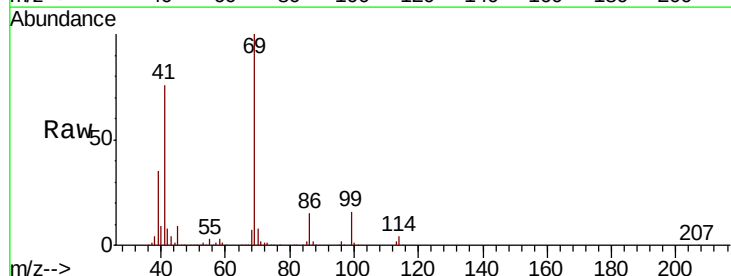
Manual Integrations
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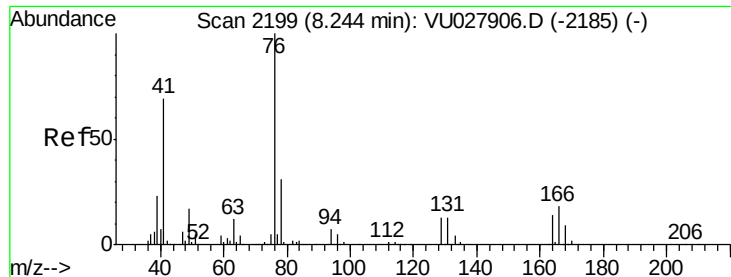
MMDadoda
 11/2/2018 9:00:18 AM



#56
 Ethyl methacrylate
 Concen: 114.258 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Tgt Ion:	69	Resp:	437908
Ion	Ratio	Lower	Upper
69	100		
41	75.6	59.8	89.6
39	34.7	28.6	42.8





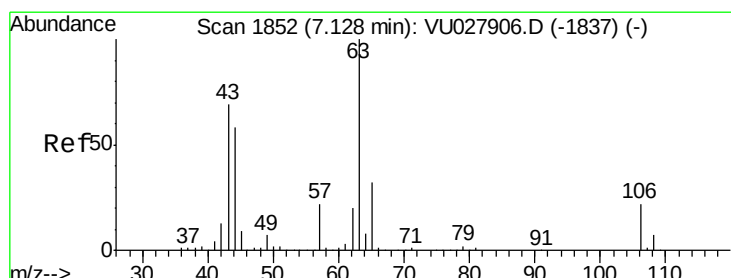
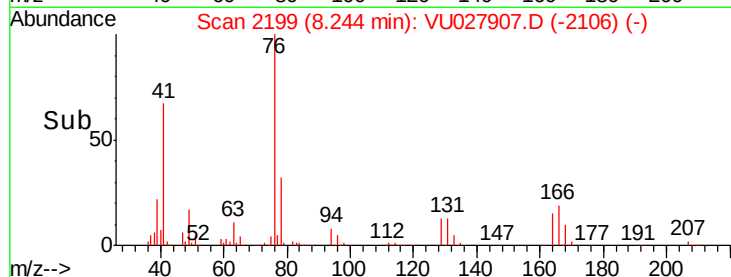
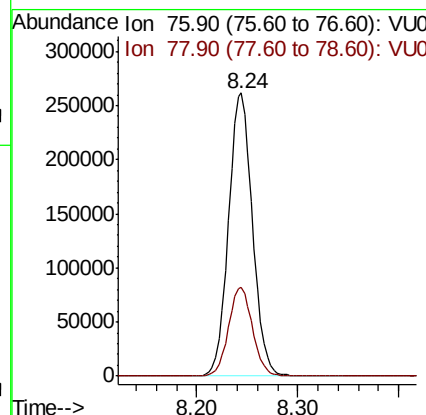
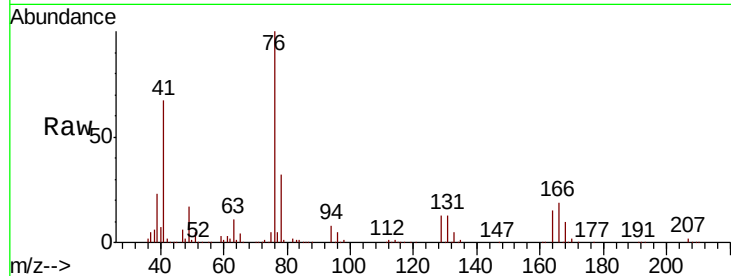
#57
 1,3-Dichloropropane
 Concen: 98.280 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.3	37.9

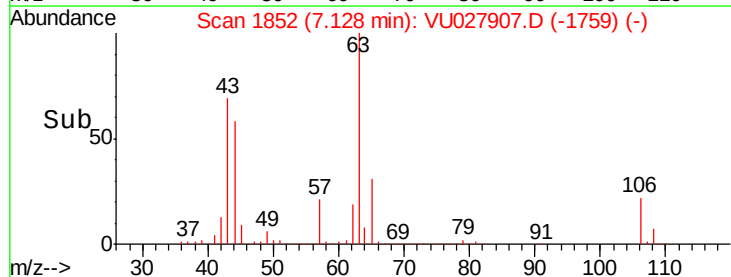
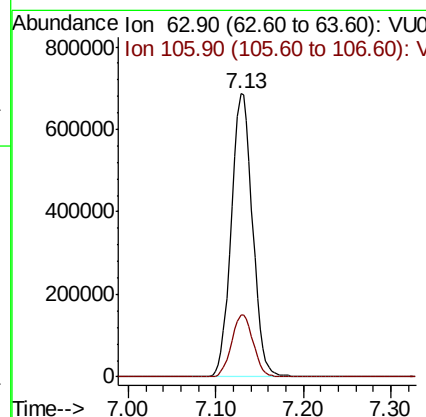
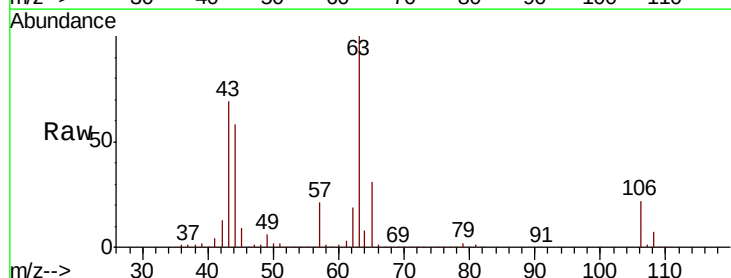
Manual Integrations
 APPROVED

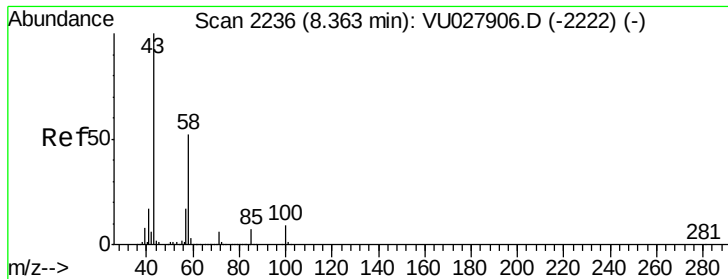
MMDadoda
 11/2/2018 9:00:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 552.317 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.2	17.8	26.6





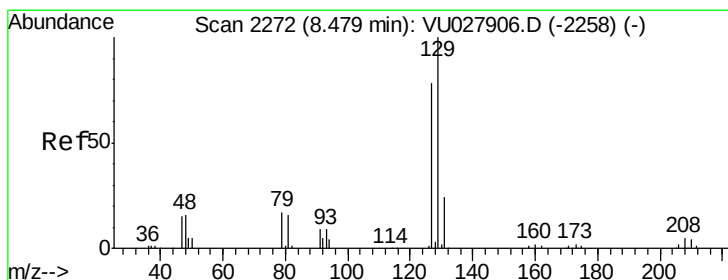
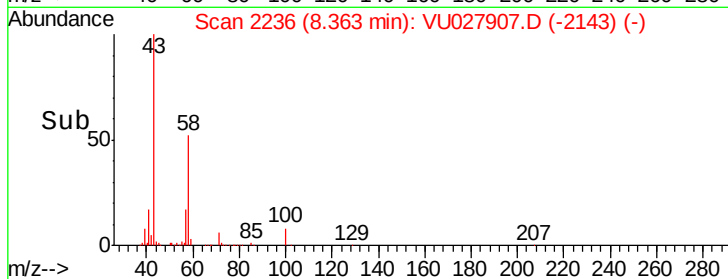
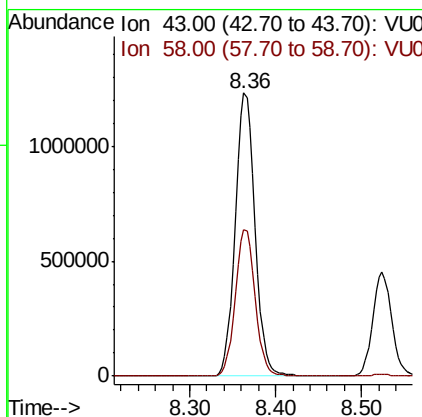
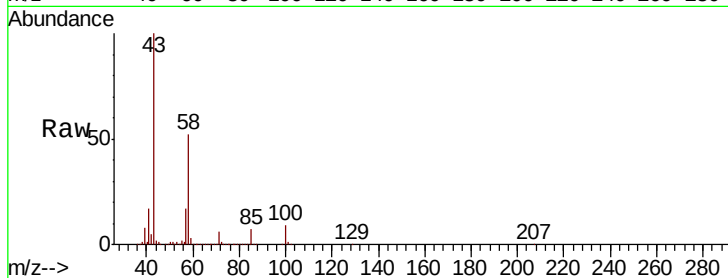
#59
2-Hexanone
Concen: 566.664 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1957699
Ion Ratio Lower Upper
43 100
58 52.0 25.8 77.3

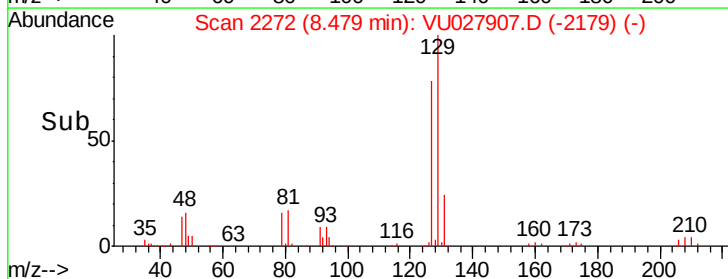
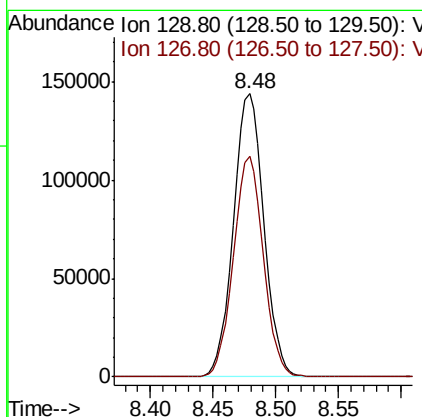
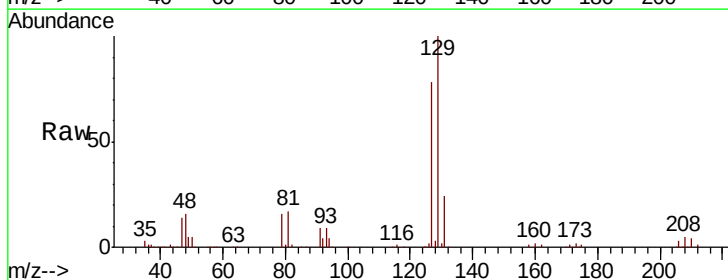
Manual Integrations
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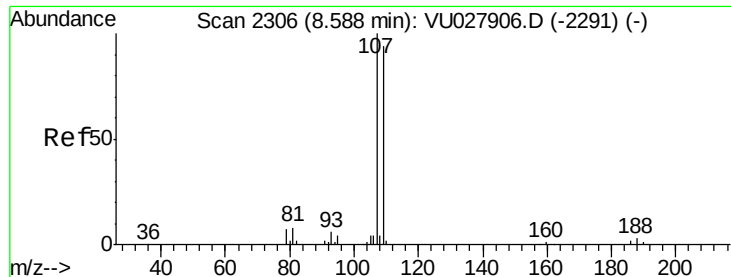
MMDadoda
11/2/2018 9:00:18 AM



#60
Dibromochloromethane
Concen: 105.704 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion: 129 Resp: 242433
Ion Ratio Lower Upper
129 100
127 76.6 39.2 117.6





#61

1,2-Dibromoethane

Concen: 104.995 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 257420

Ion Ratio Lower Upper

107 100

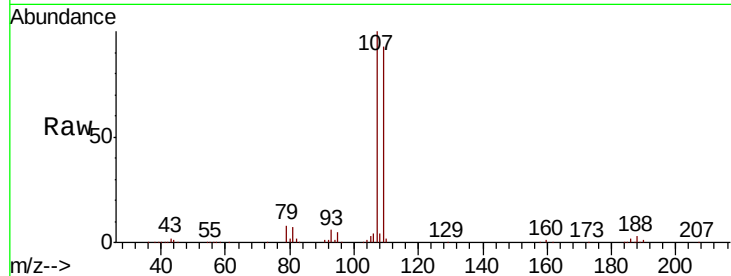
109 93.3 73.8 110.8

Manual Integrations

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MMDadoda

11/2/2018 9:00:18 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

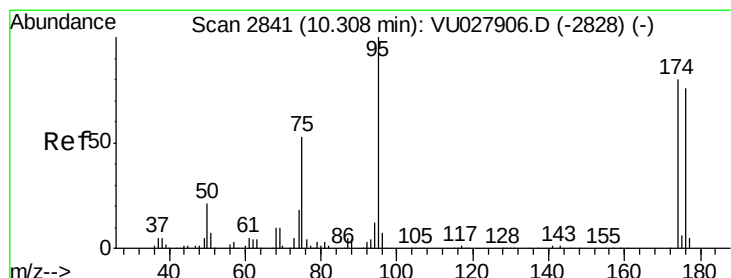
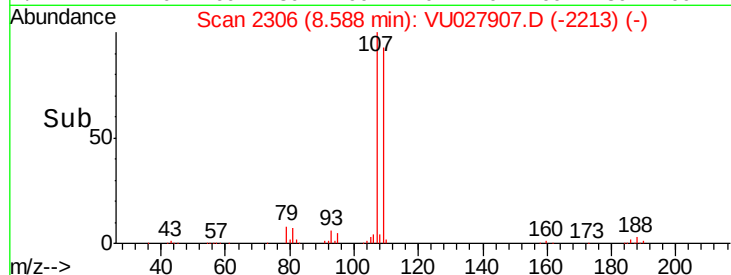
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 100.296 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

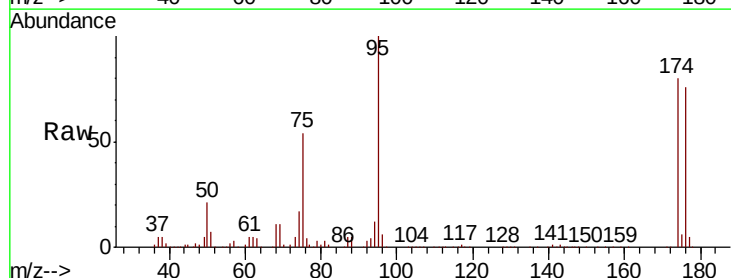
Tgt Ion: 95 Resp: 291025

Ion Ratio Lower Upper

95 100

174 78.3 0.0 156.4

176 75.2 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

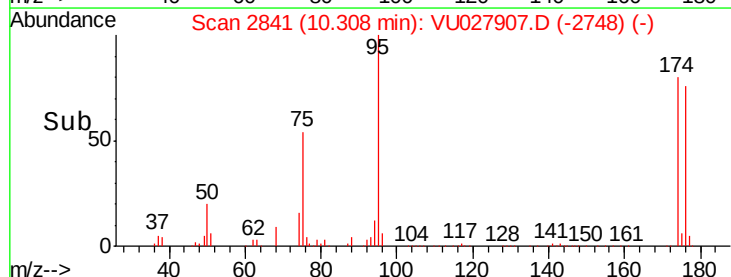
150000

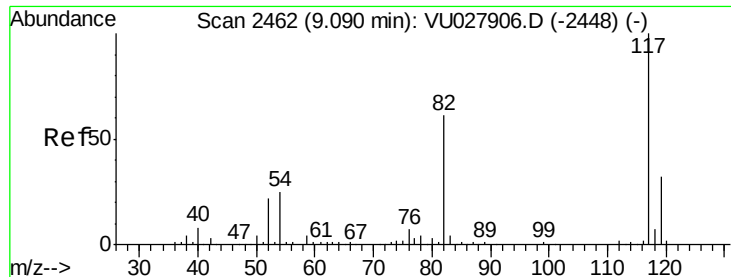
100000

50000

0

Time-->





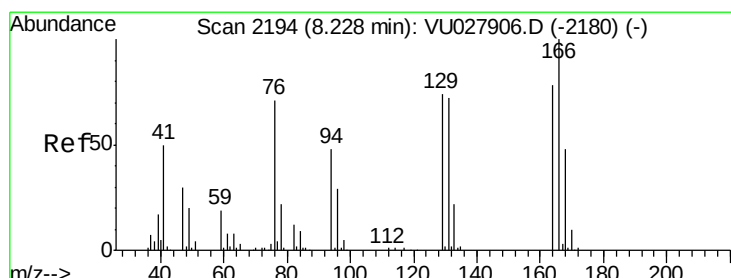
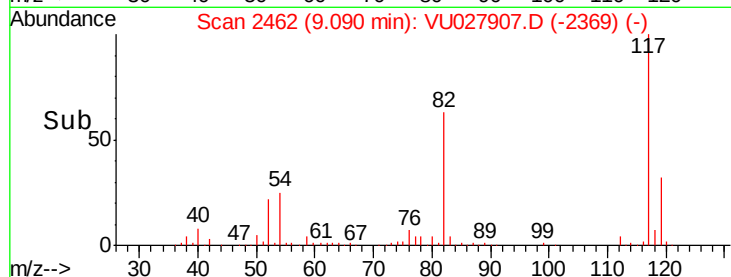
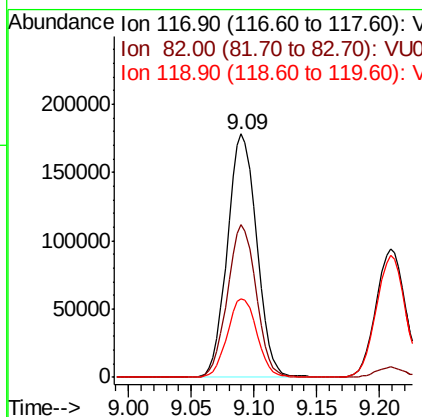
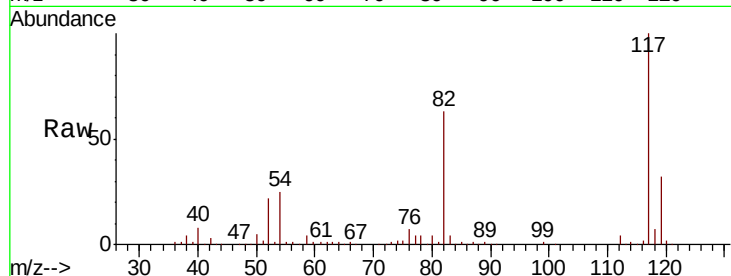
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	290258		
82	62.6	48.6	73.0	
119	32.5	25.8	38.8	

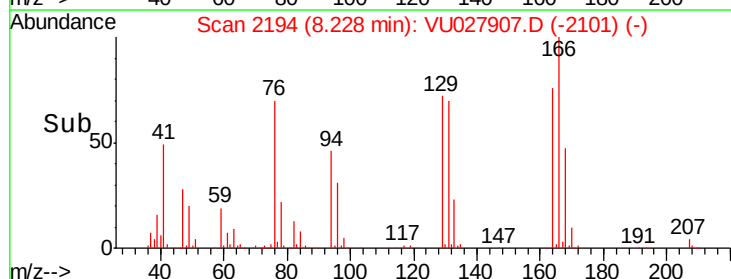
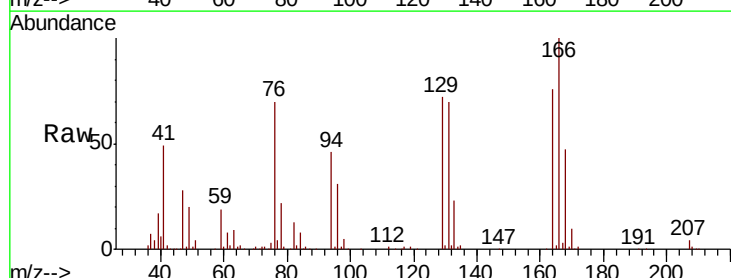
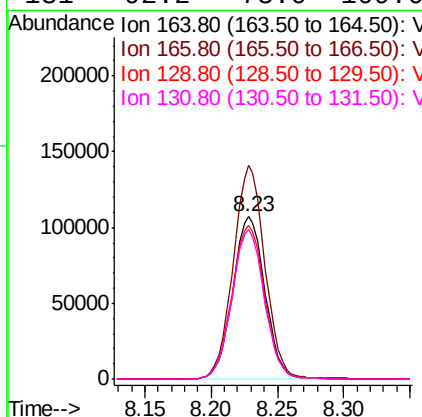
Manual Integrations
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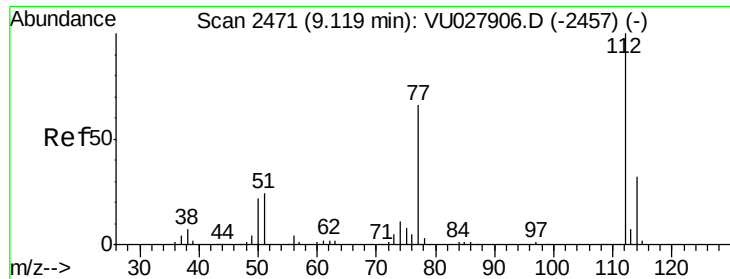
MMDadoda
11/2/2018 9:00:18 AM



#64
Tetrachloroethene
Concen: 99.791 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	180288		
166	131.6	102.1	153.1	
129	94.8	75.9	113.9	
131	92.2	73.0	109.6	





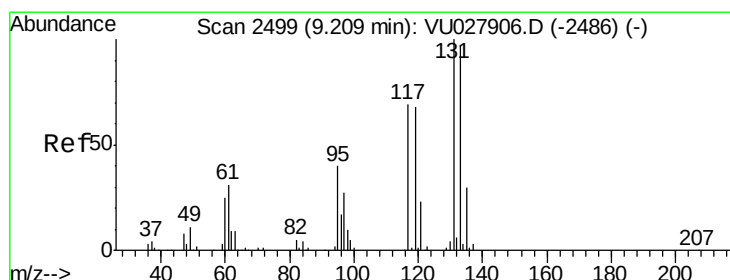
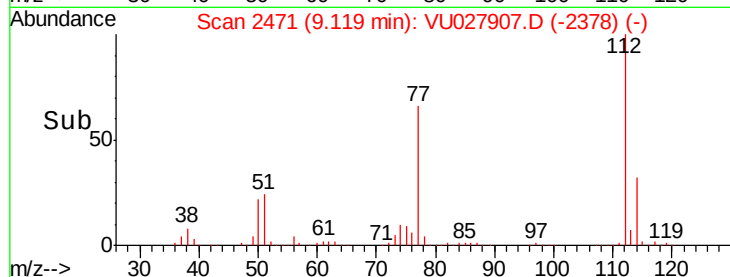
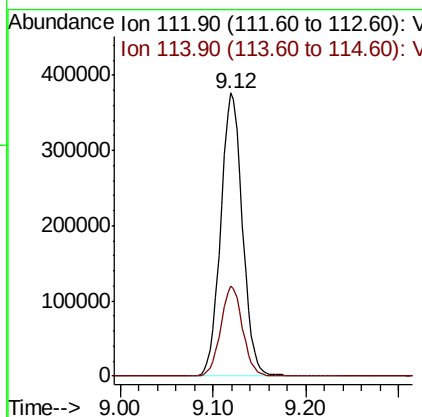
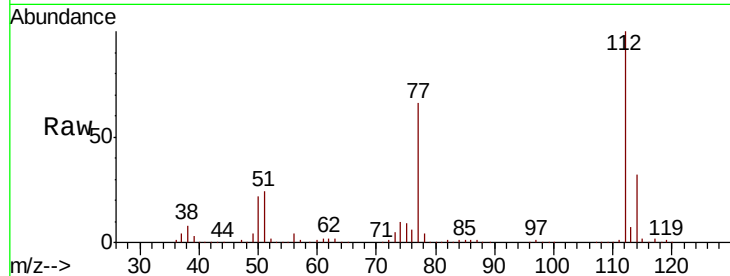
#65
Chlorobenzene
Concen: 99.866 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 611858
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8

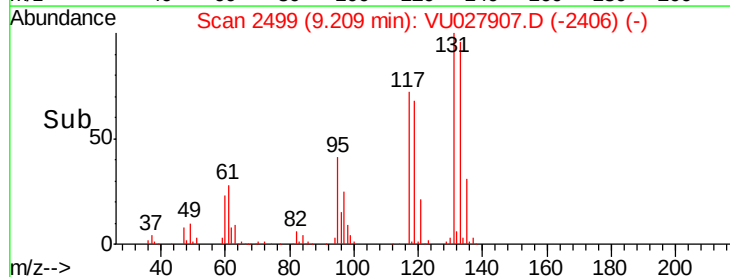
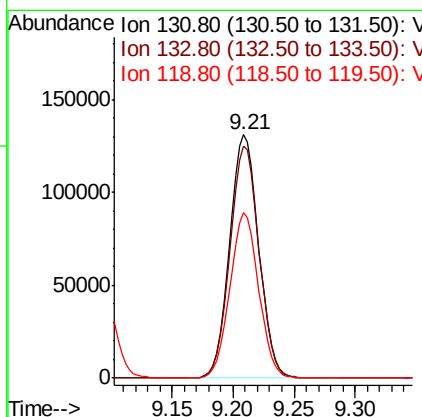
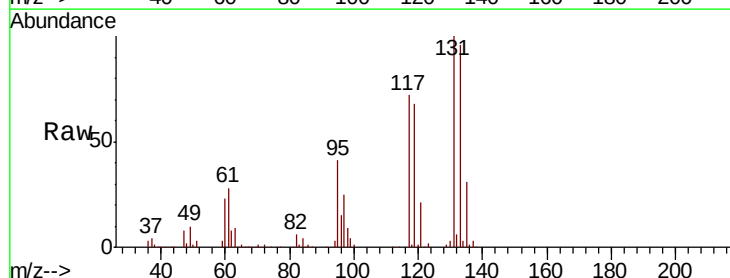
Manual Integrations
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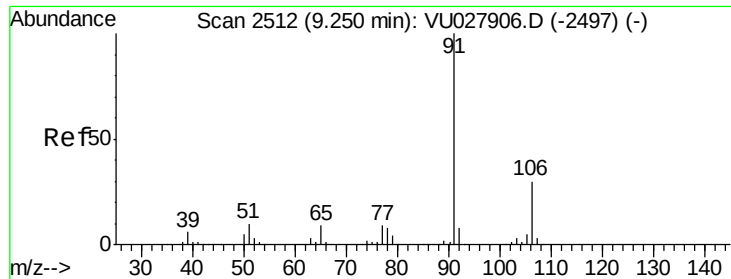
MMDadoda
11/2/2018 9:00:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 102.744 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion:131 Resp: 216875
Ion Ratio Lower Upper
131 100
133 96.1 48.1 144.4
119 67.3 34.0 101.8





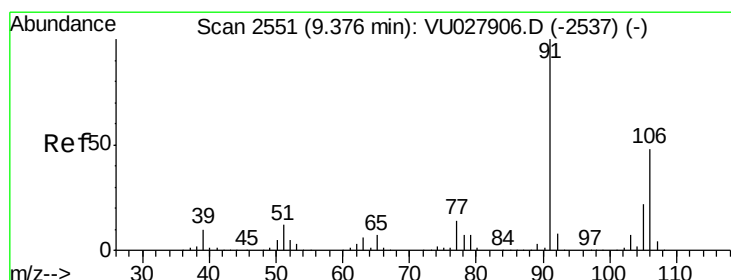
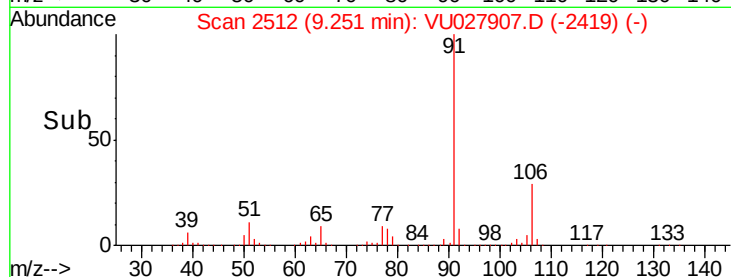
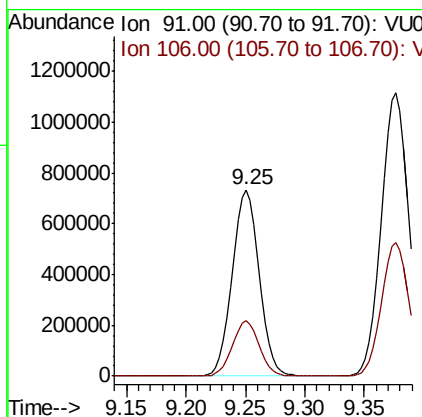
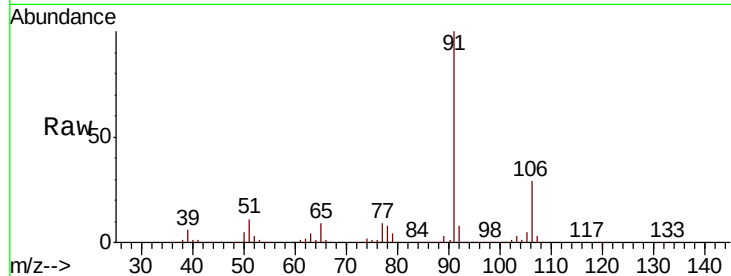
#67
Ethyl Benzene
Concen: 105.933 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1151951
Ion Ratio Lower Upper
91 100
106 29.5 23.6 35.4

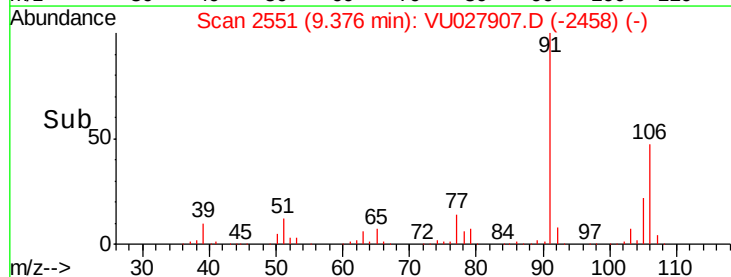
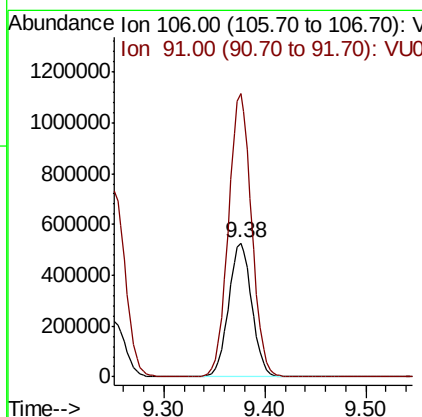
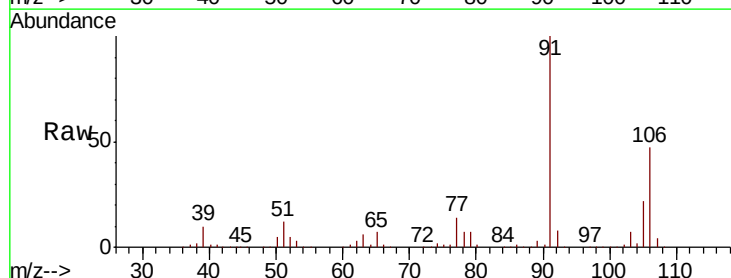
Manual Integrations
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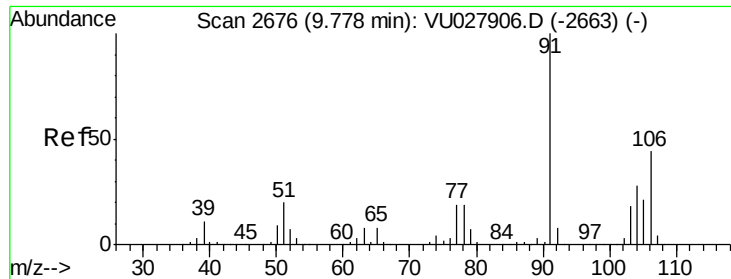
MMDadoda
11/2/2018 9:00:18 AM



#68
m/p-Xylenes
Concen: 213.176 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion: 106 Resp: 845277
Ion Ratio Lower Upper
106 100
91 211.8 168.2 252.4





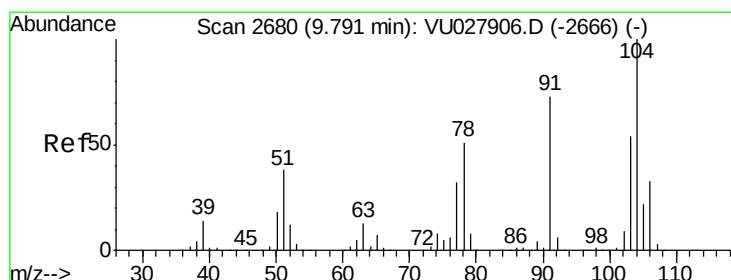
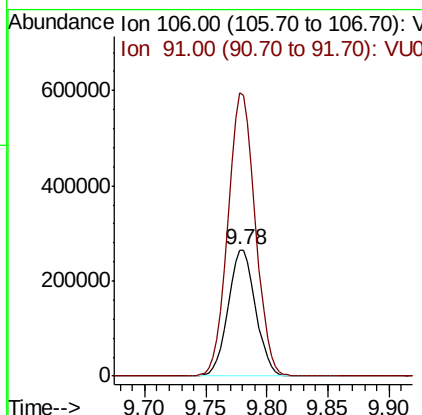
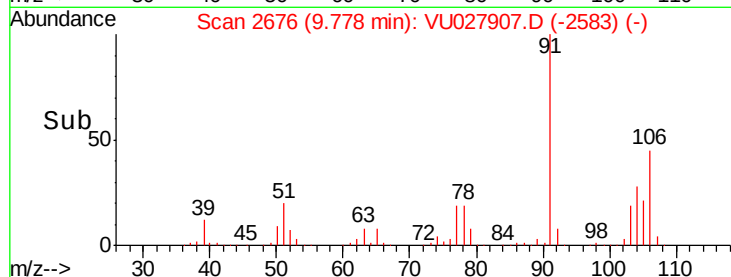
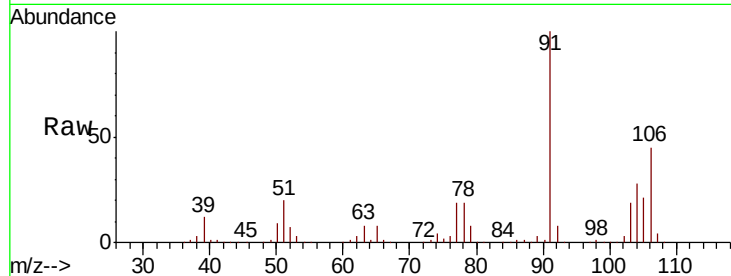
#69
o-Xylene
Concen: 110.016 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 416467
Ion Ratio Lower Upper
106 100
91 224.4 111.1 333.4

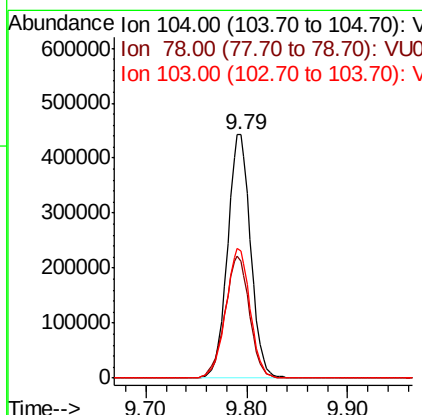
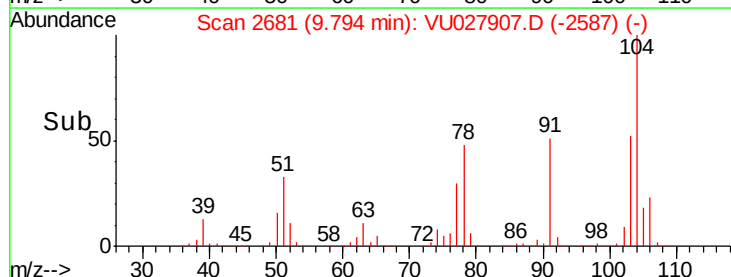
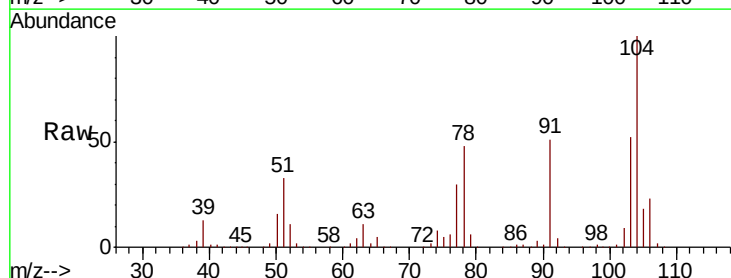
Manual Integrations
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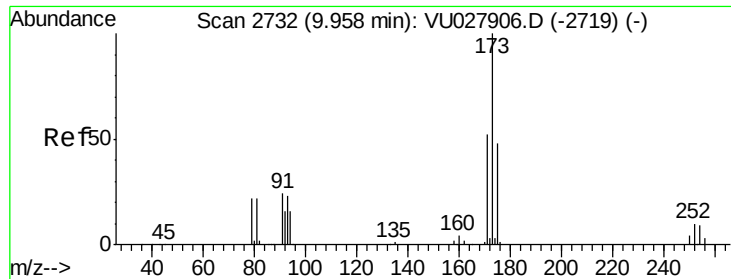
MMDadoda
11/2/2018 9:00:18 AM



#70
Styrene
Concen: 113.493 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion:104 Resp: 705873
Ion Ratio Lower Upper
104 100
78 53.2 43.0 64.4
103 55.9 45.1 67.7





#71

Bromoform

Concen: 113.437 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 194648

Ion Ratio Lower Upper

173 100

175 47.1 24.3 72.8

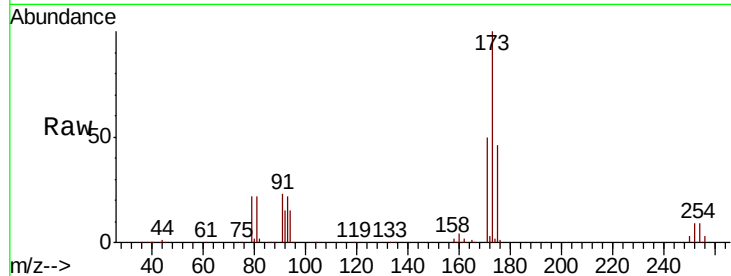
254 0.1 0.0 0.0#

Manual Integrations

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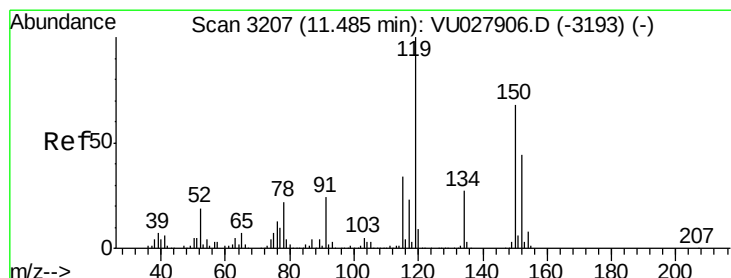
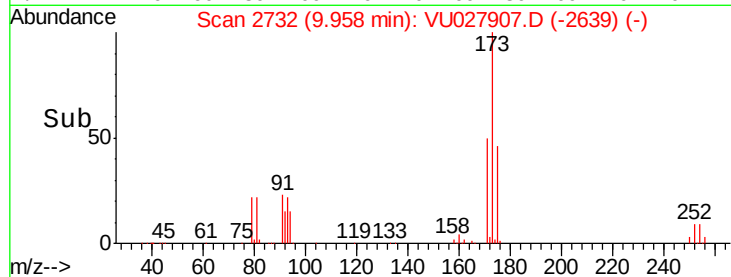
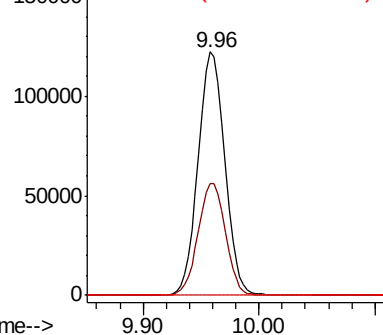
11/2/2018 9:00:18 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

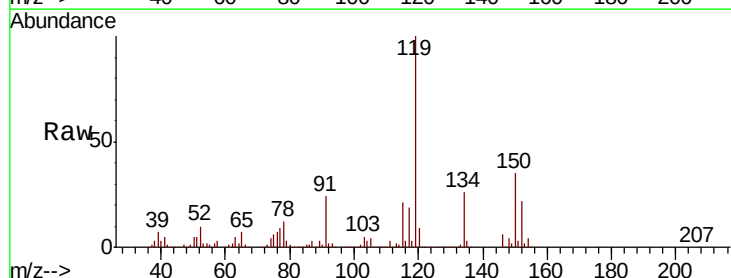
Tgt Ion:152 Resp: 151840

Ion Ratio Lower Upper

152 100

115 110.9 43.0 129.0

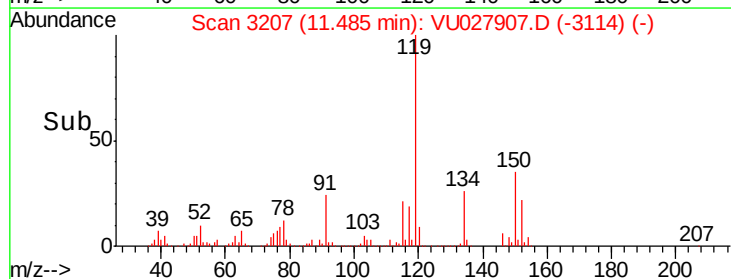
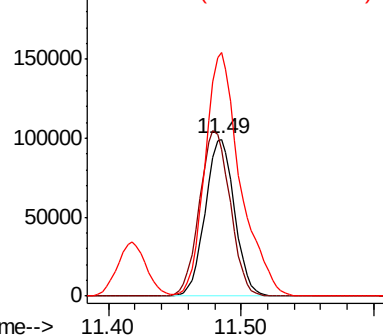
150 187.4 0.0 349.4

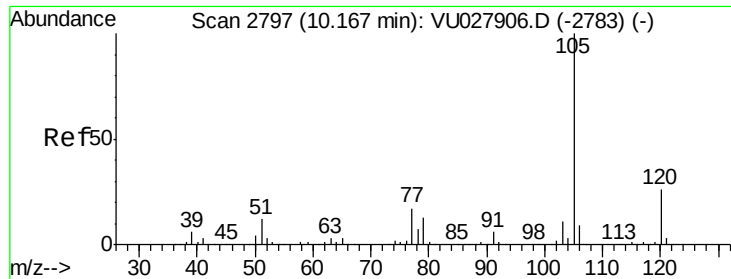


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 102.044 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1126629

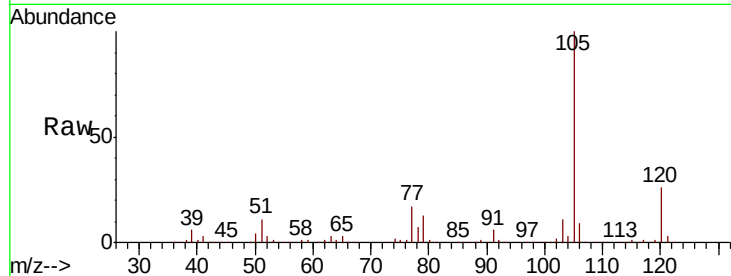
Ion Ratio Lower Upper

105 100

120 25.6 12.7 38.0

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11/2/2018 9:00:18 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

800000

600000

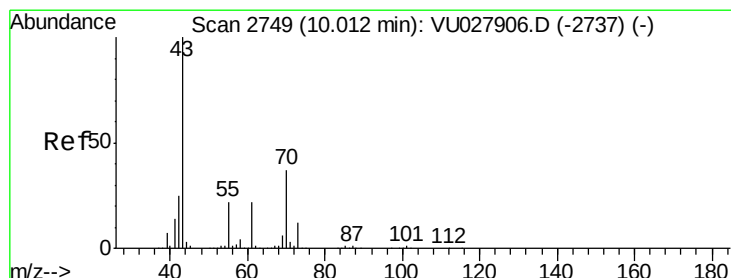
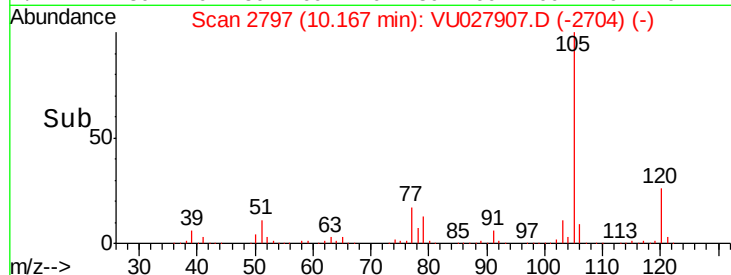
400000

200000

0

Time-->

10.10 10.20



#74

N-ethyl acetate

Concen: 109.688 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Tgt Ion: 43 Resp: 707218

Ion Ratio Lower Upper

43 100

70 37.1 29.2 43.8

55 22.1 17.8 26.6

61 22.8 17.8 26.8

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

600000

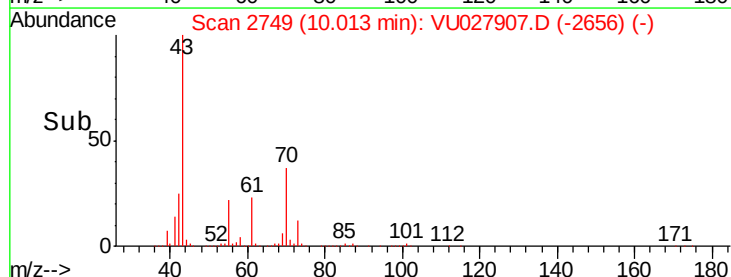
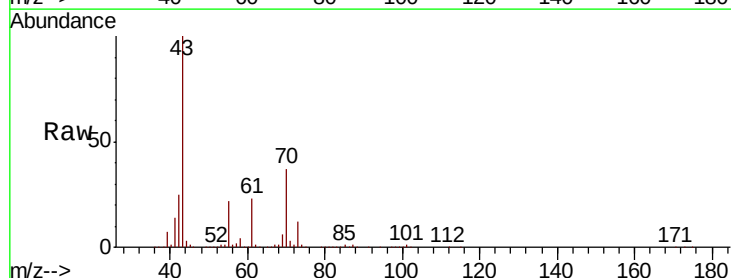
400000

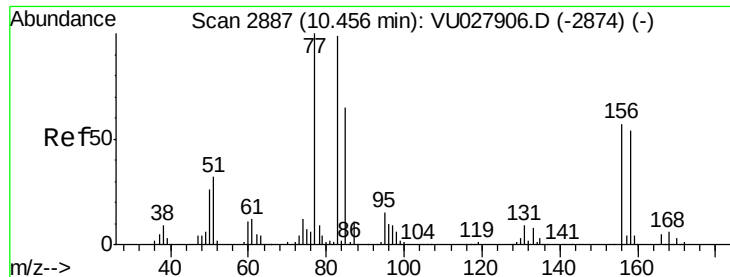
200000

0

Time-->

10.00 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 101.509 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 446773
Ion Ratio Lower Upper

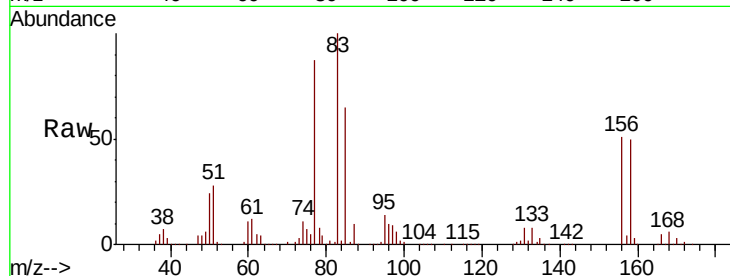
83 100

131 8.4 4.3 13.1

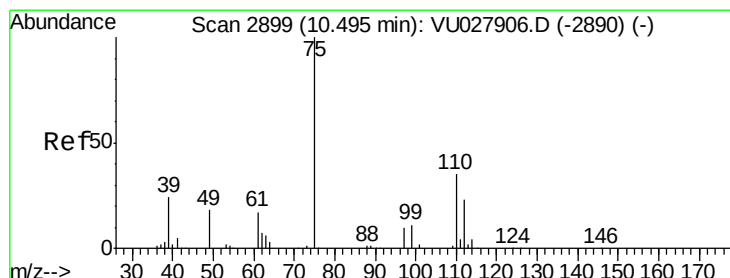
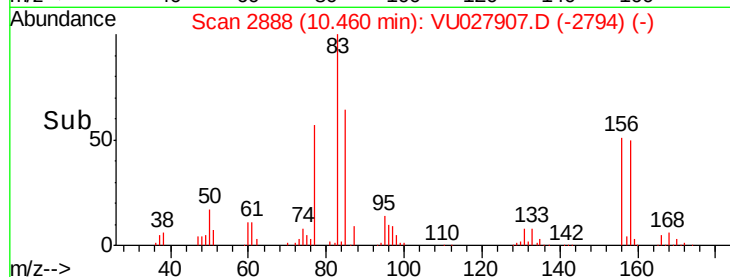
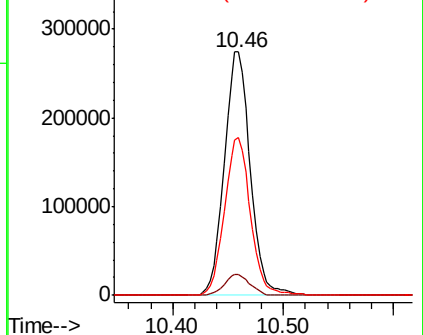
85 64.9 32.4 97.2

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Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 130.80 (130.50 to 131.50): VU0
Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 95.642 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

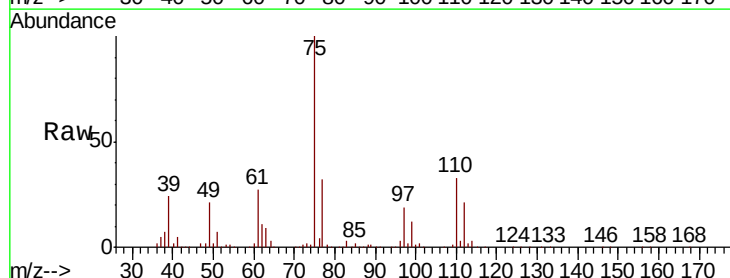
Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

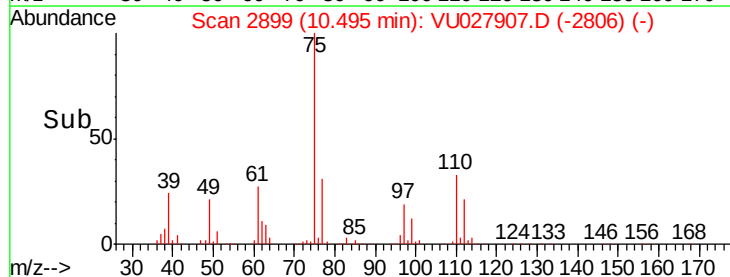
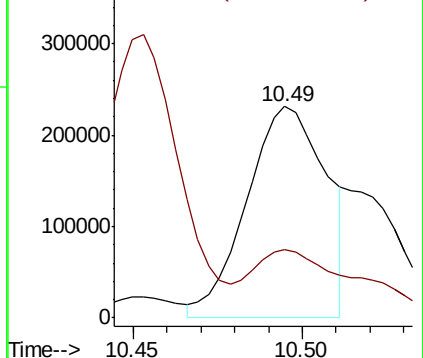
Tgt Ion: 75 Resp: 376518
Ion Ratio Lower Upper

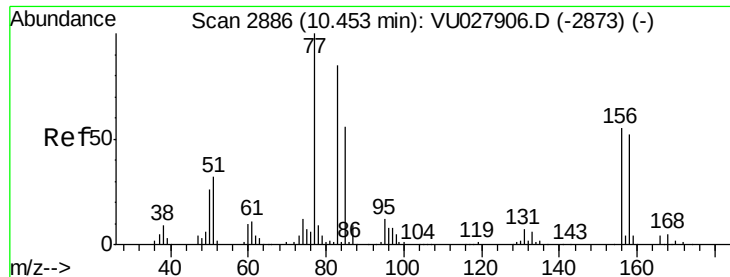
75 100

77 43.9 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 103.815 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

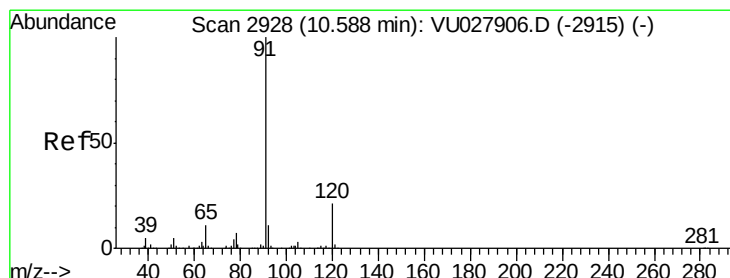
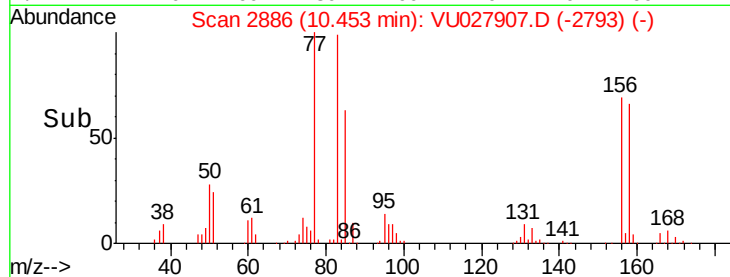
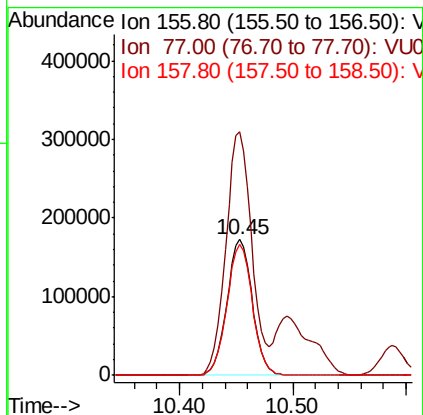
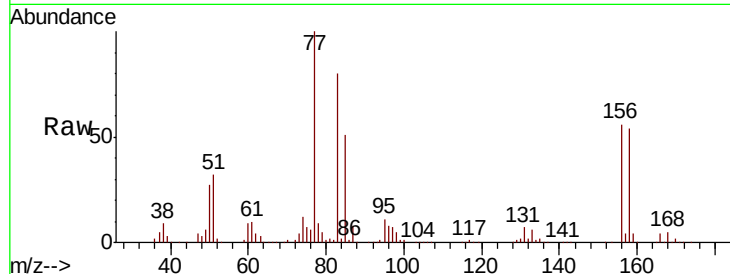
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	269057
Ion Ratio	Lower	Upper	
156	100		
77	183.1	91.8	275.6
158	97.2	48.4	145.2

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#78

n-propylbenzene

Concen: 105.613 ug/l

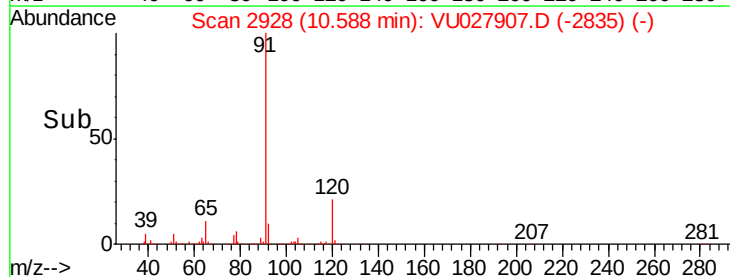
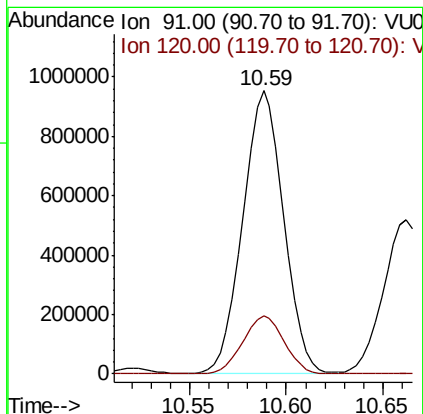
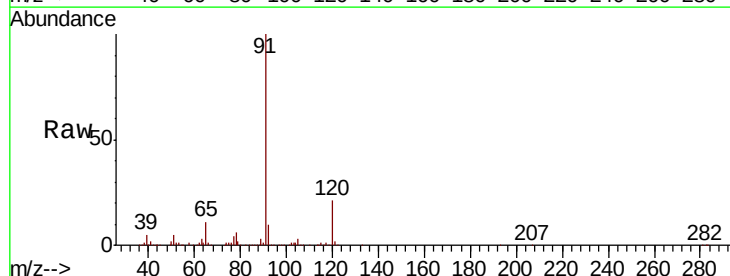
RT: 10.59 min Scan# 2928

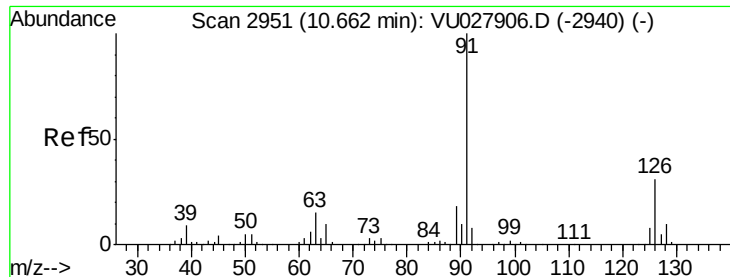
Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Tgt Ion:	91	Resp:	1402632
Ion Ratio	Lower	Upper	
91	100		
120	20.9	10.6	31.8





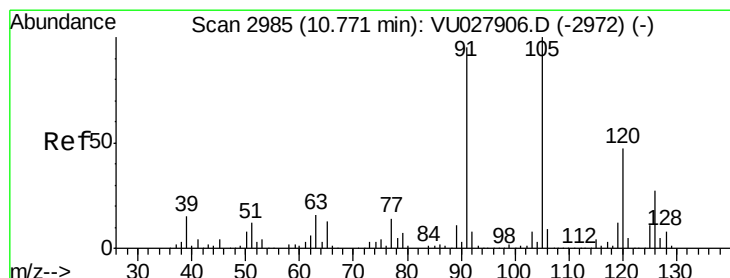
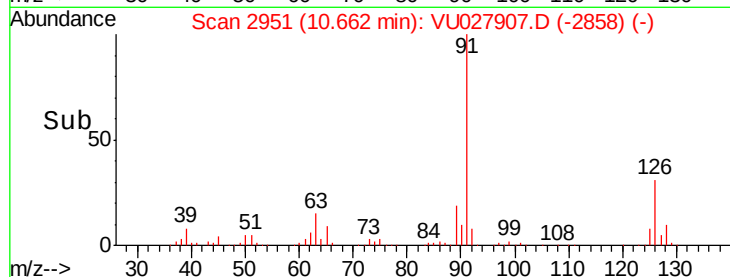
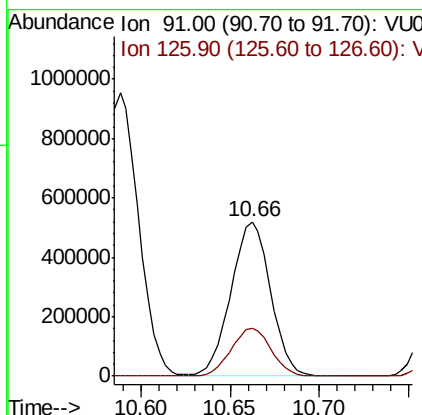
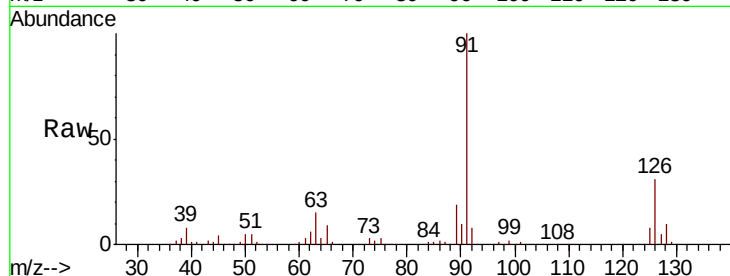
#79
 2-Chlorotoluene
 Concen: 99.889 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 801060
 Ion Ratio Lower Upper
 91 100
 126 31.7 16.0 47.9

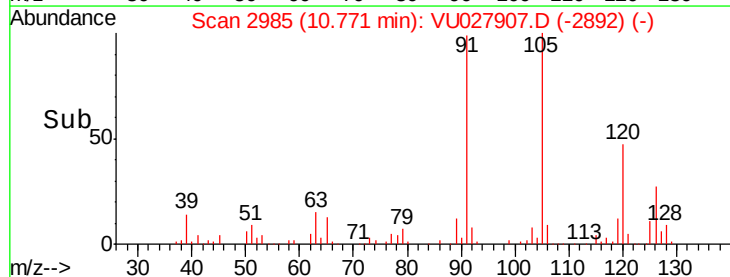
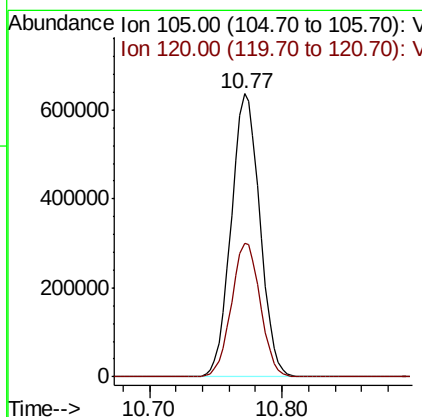
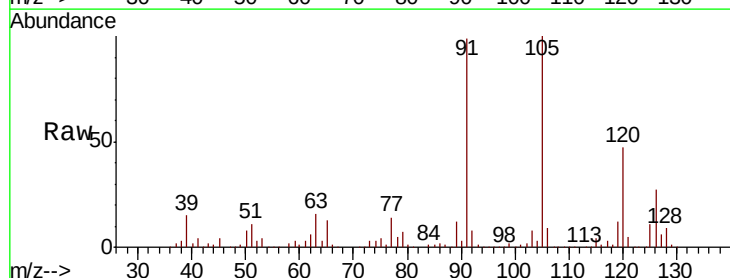
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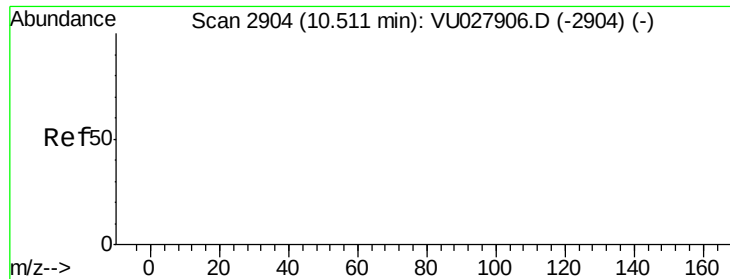
MMDadoda
 11/2/2018 9:00:18 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 105.510 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Tgt Ion: 105 Resp: 954435
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.3 69.9





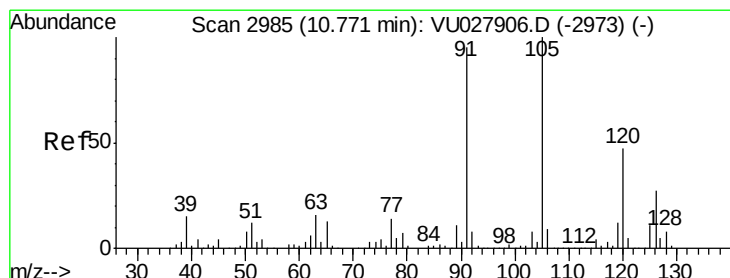
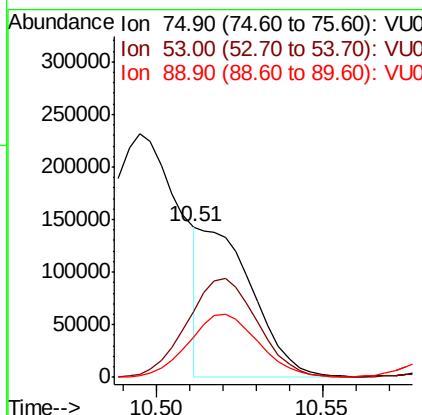
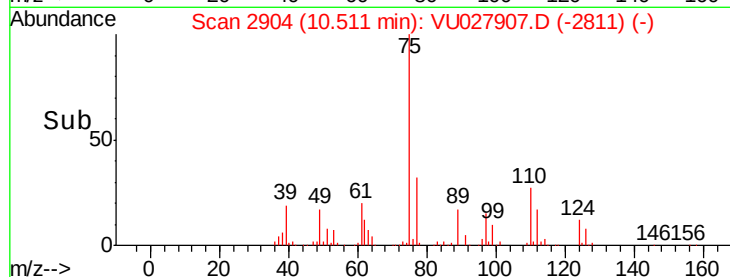
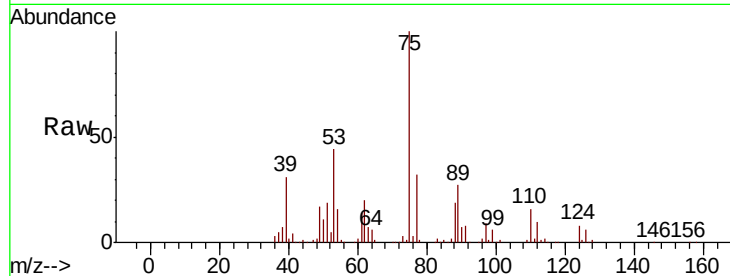
#81
trans-1,4-Dichloro-2-butene
Concen: 103.046 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

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

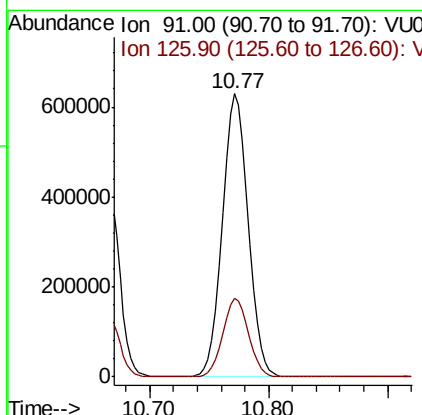
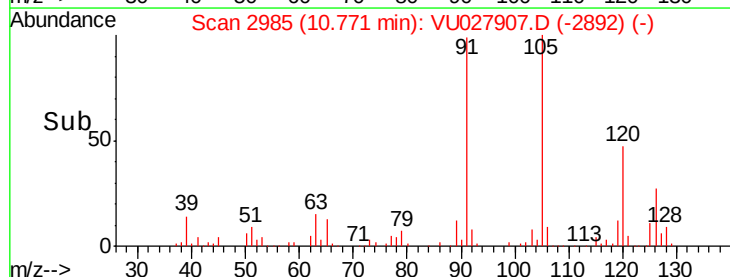
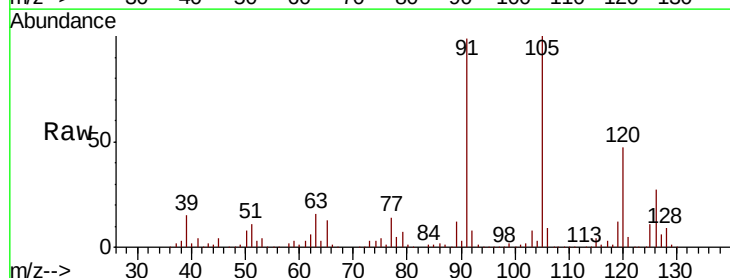
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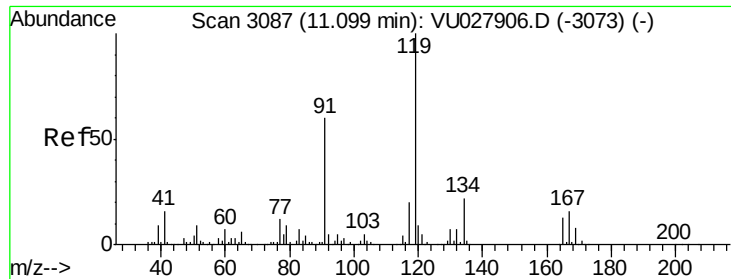
MMDadoda
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#82
4-Chlorotoluene
Concen: 103.803 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.2	42.6





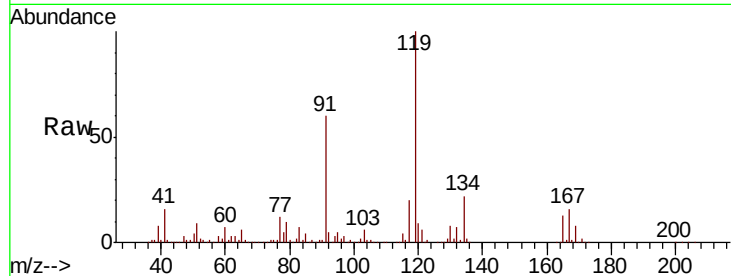
#83
 tert-Butylbenzene
 Concen: 107.351 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

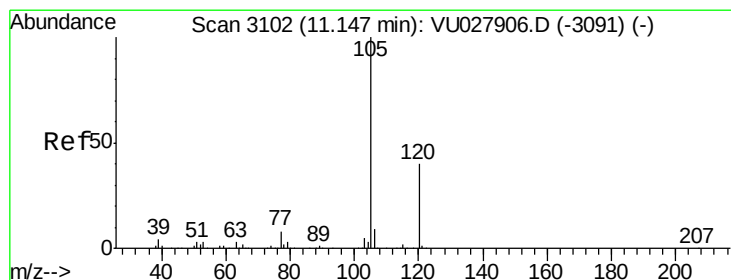
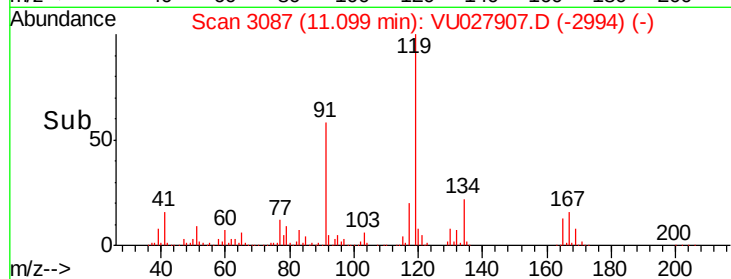
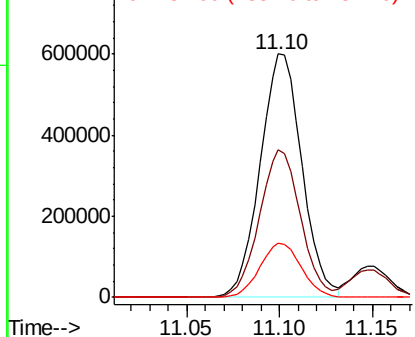
Tot Ion	Ratio	Resp	Lower	Upper
119	100	938619		
91	59.6		29.8	89.3
134	22.2		11.1	33.1

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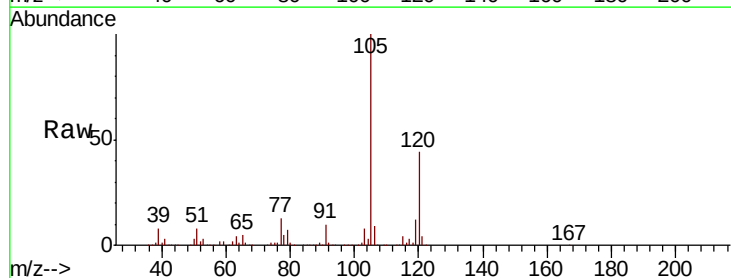


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

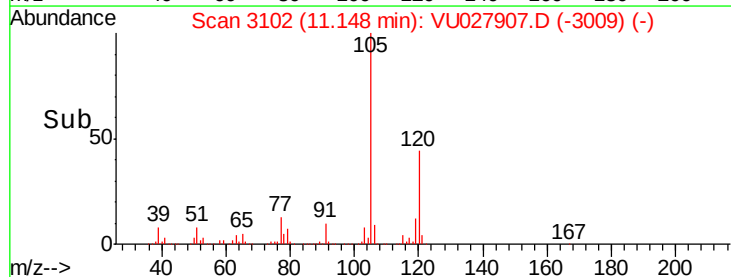
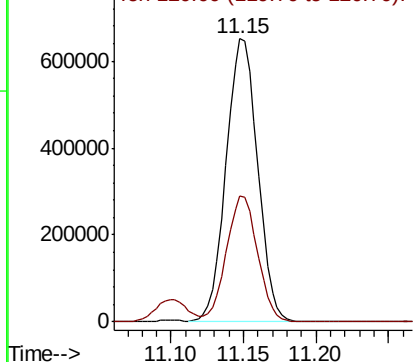


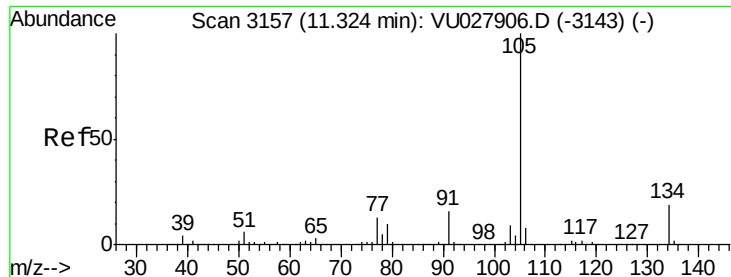
#84
 1,2,4-Trimethylbenzene
 Concen: 106.639 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	981745		
120	44.1		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: 107.121 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1178710

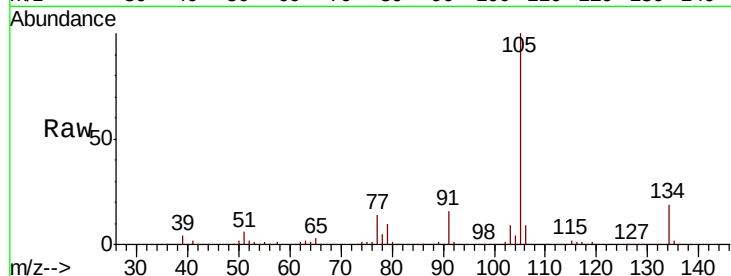
Ion Ratio Lower Upper

105 100

134 18.6 9.2 27.6

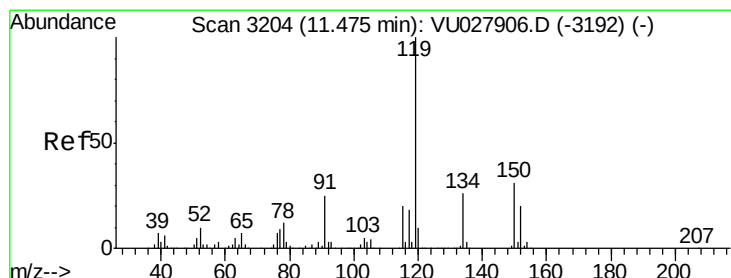
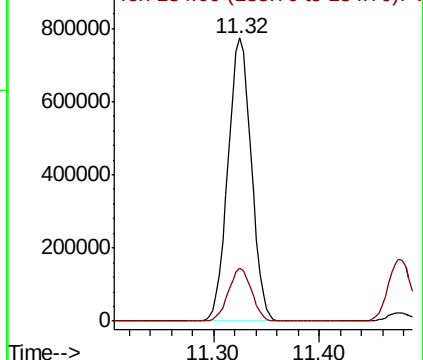
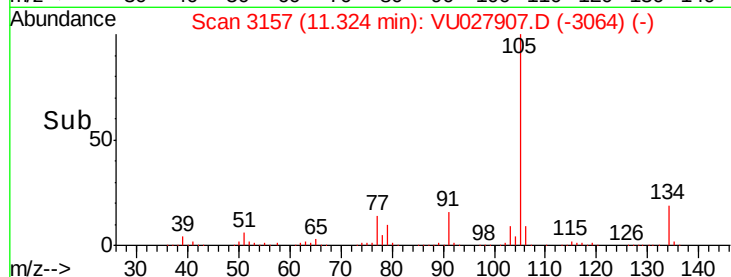
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 107.760 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

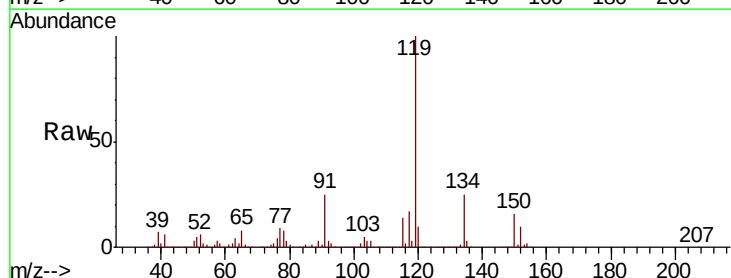
Tgt Ion:119 Resp: 1010005

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.7

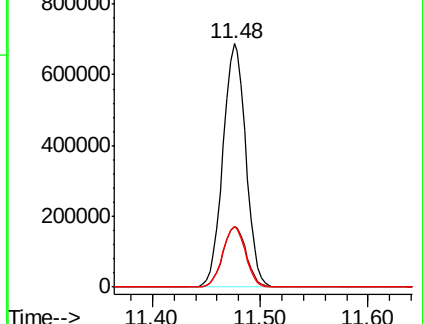
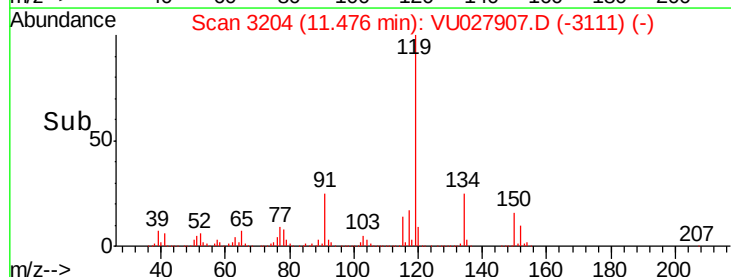
91 24.7 12.4 37.2

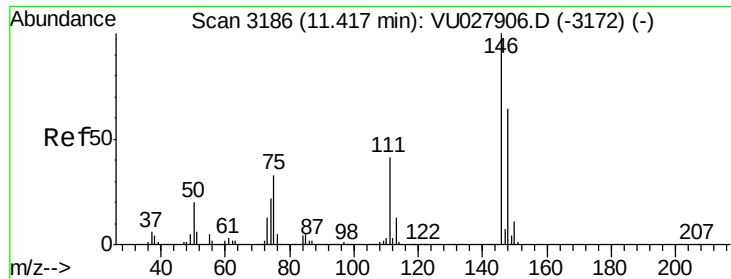


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 101.835 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

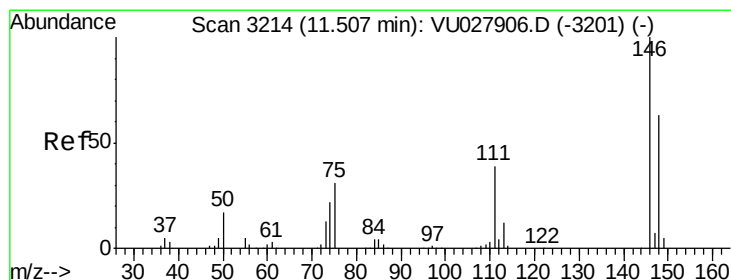
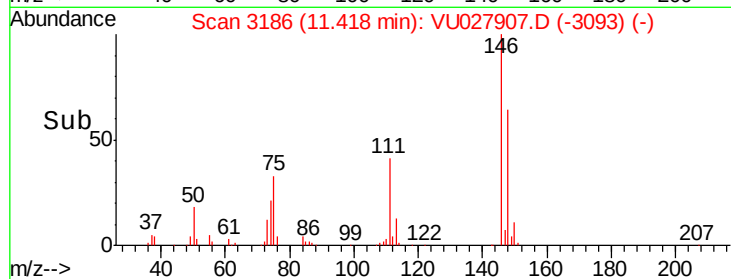
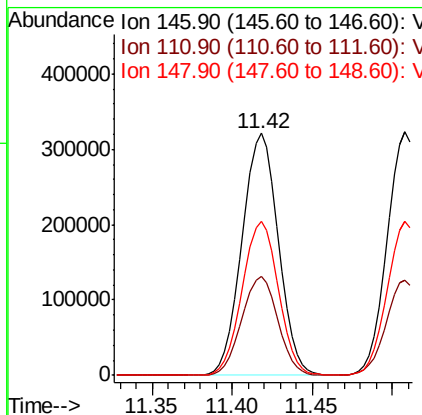
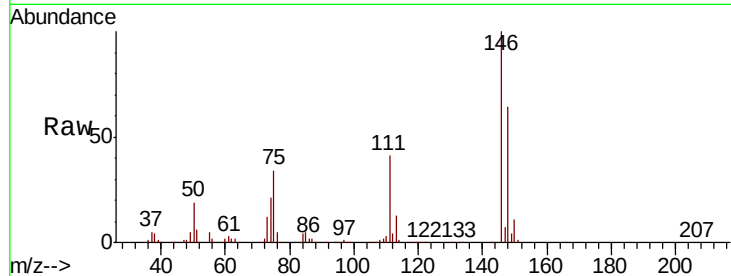
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	496181
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.3	61.0
148	63.6	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 100.925 ug/l

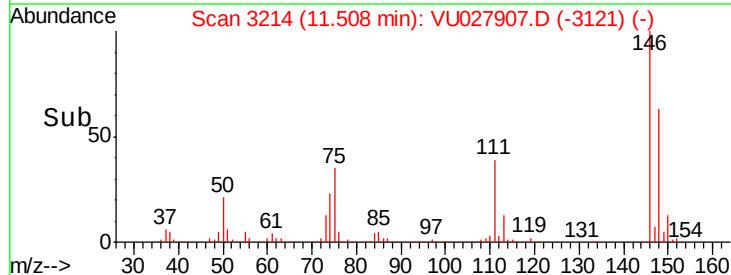
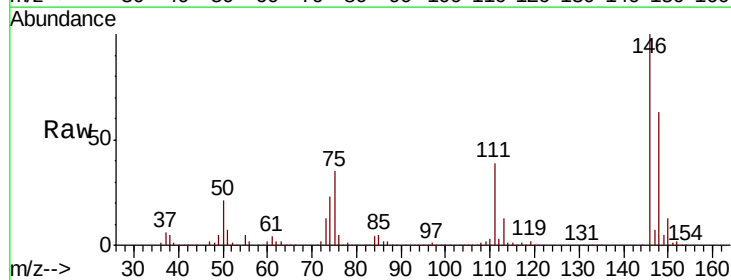
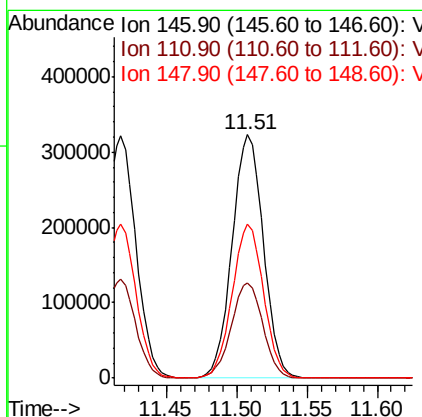
RT: 11.51 min Scan# 3214

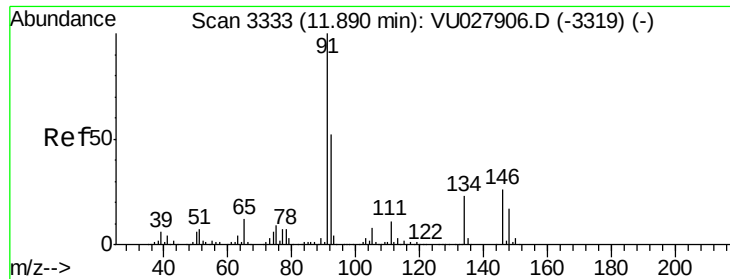
Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Tgt Ion:	146	Resp:	502142
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.3	60.9
148	63.2	32.0	96.2





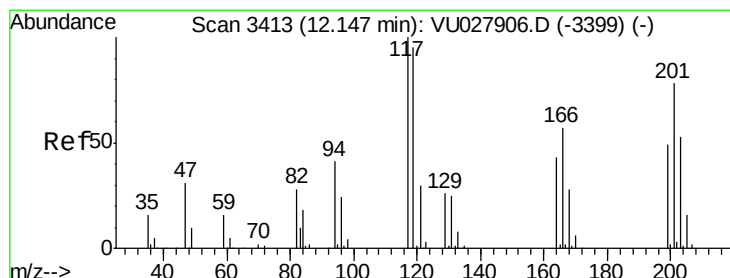
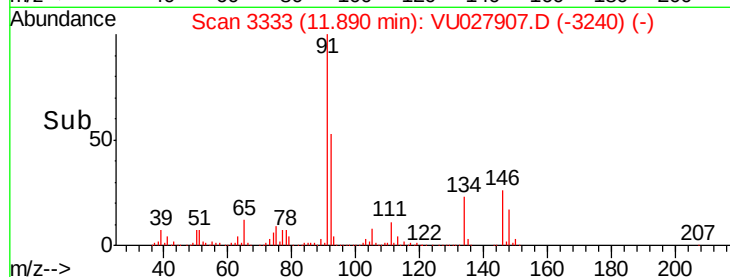
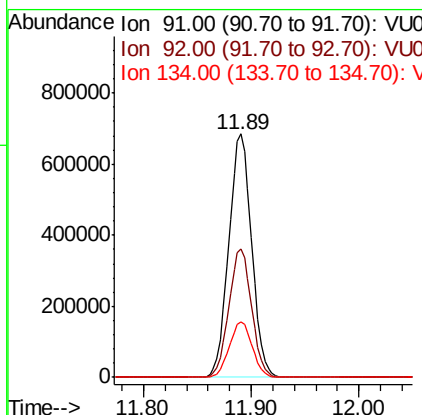
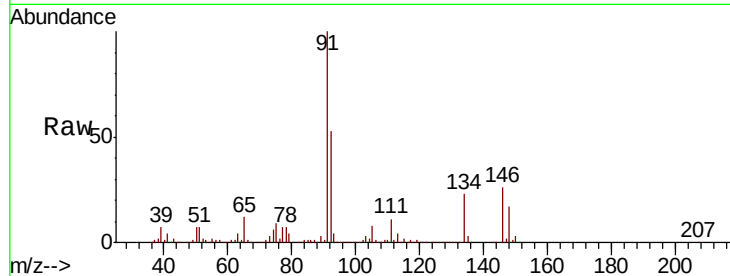
#89
n-Butylbenzene
Concen: 114.871 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1010678
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.5
134 22.7 11.5 34.5

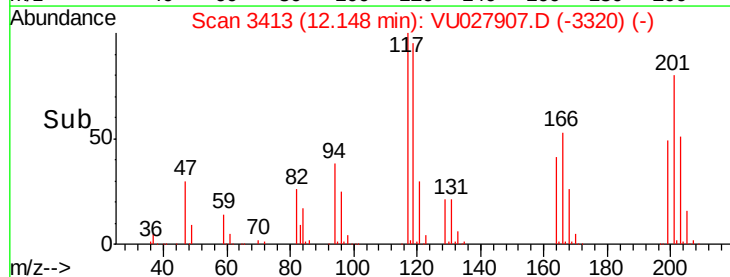
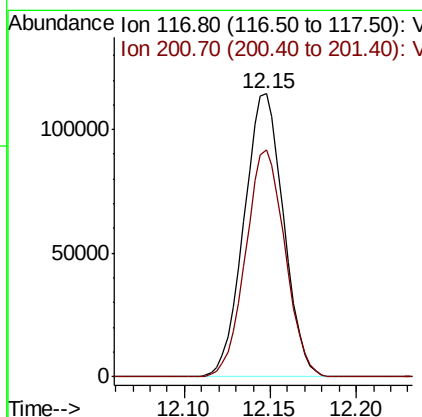
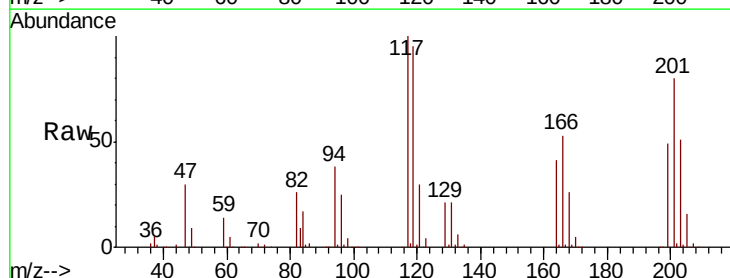
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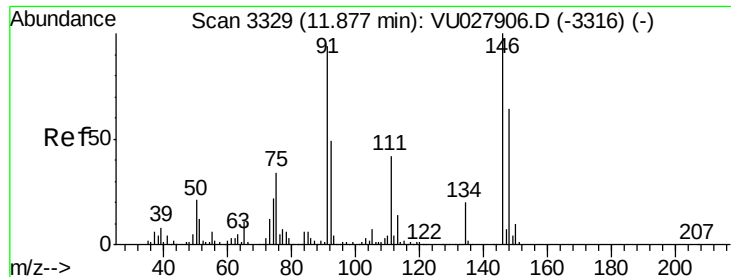
MMDadoda
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#90
Hexachloroethane
Concen: 103.950 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion: 117 Resp: 183155
Ion Ratio Lower Upper
117 100
201 79.9 38.5 115.5





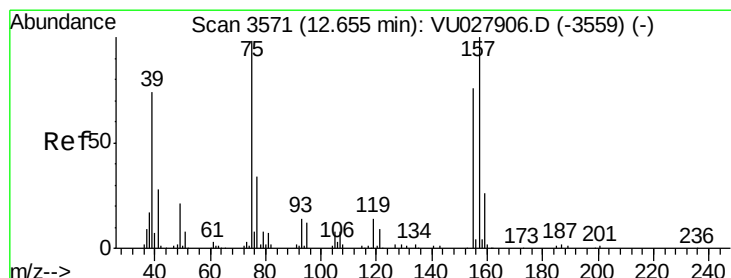
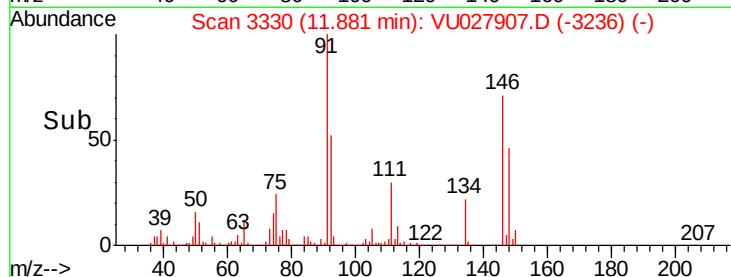
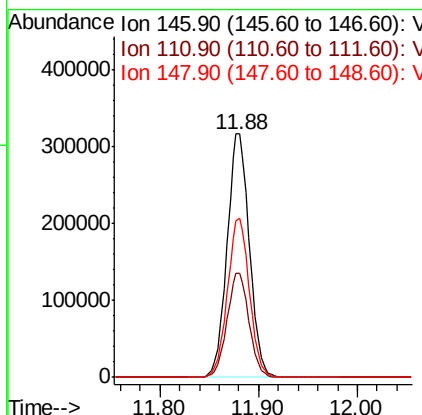
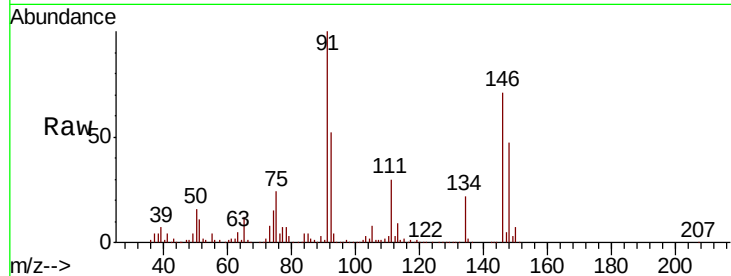
#91
 1,2-Dichlorobenzene
 Concen: 104.776 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	64.0
148	64.6	31.8	95.3

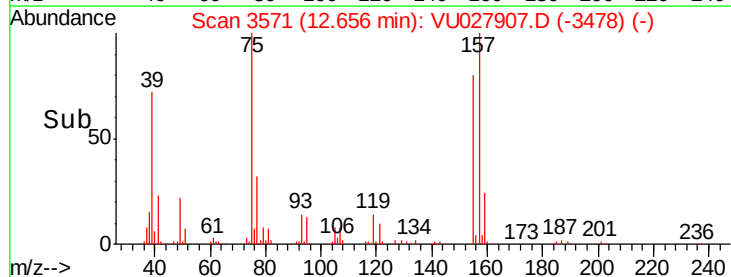
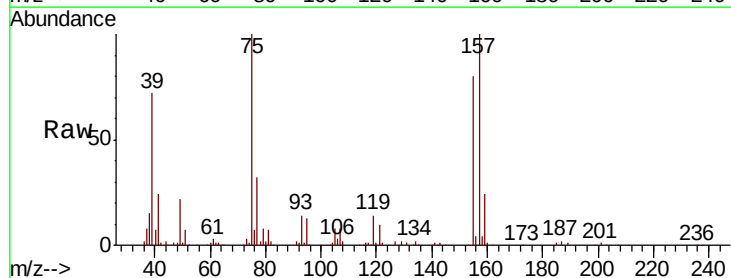
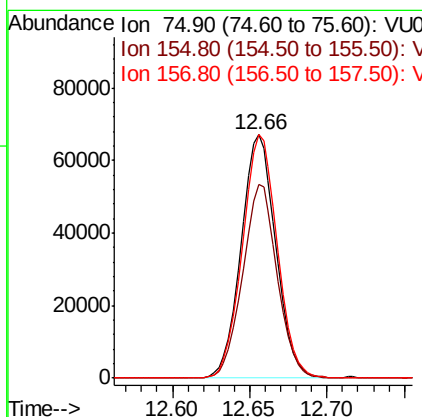
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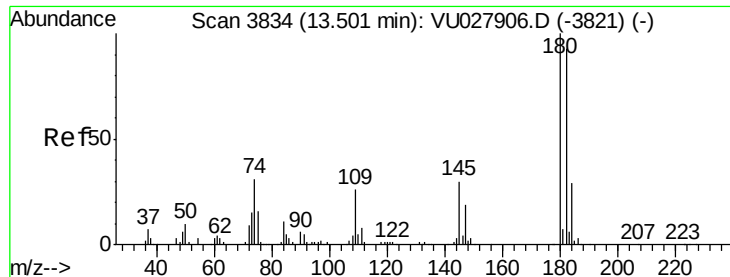
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 108.074 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027907.D
 Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	39.8	119.3
157	100.5	50.6	151.9





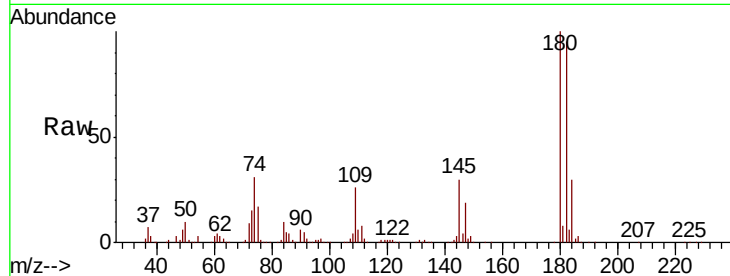
#93
1,2,4-Trichlorobenzene
Concen: 116.157 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	358807		
182	95.0	48.4	145.2	
145	29.7	14.9	44.5	

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MMDadoda
11/2/2018 9:00:18 AM

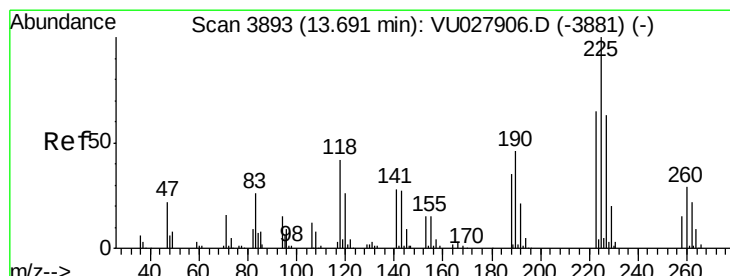
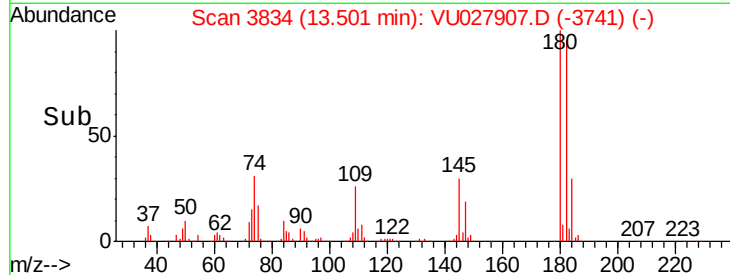
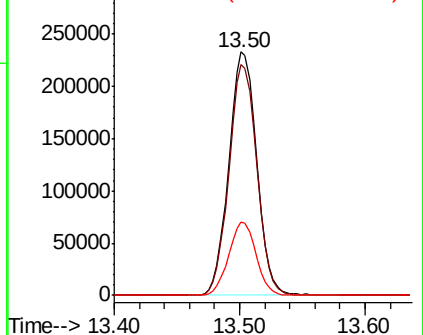


Abundance

Ion 179.80 (179.50 to 180.50): V

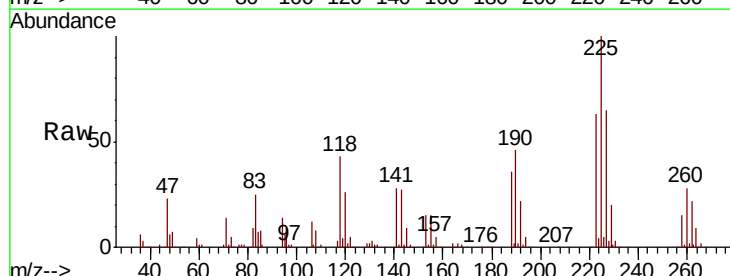
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 107.498 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. 0.00 min
Lab File: VU027907.D
Acq: 01 Nov 2018 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	166788		
223	64.1	32.2	96.6	
227	64.0	32.5	97.4	

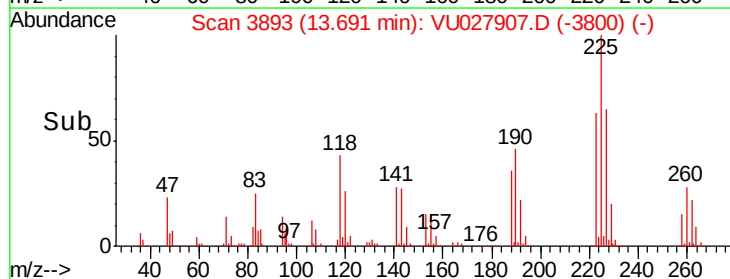
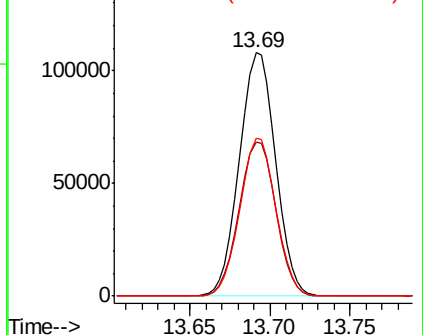


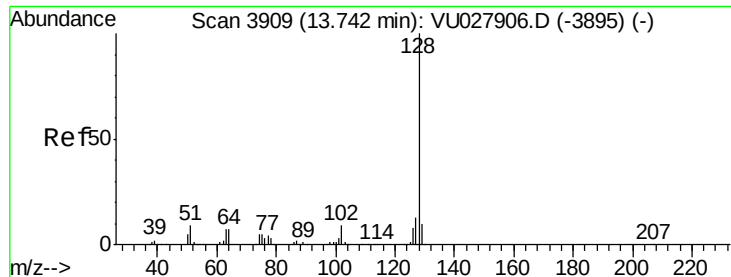
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 119.572 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1258793

Ion Ratio Lower Upper

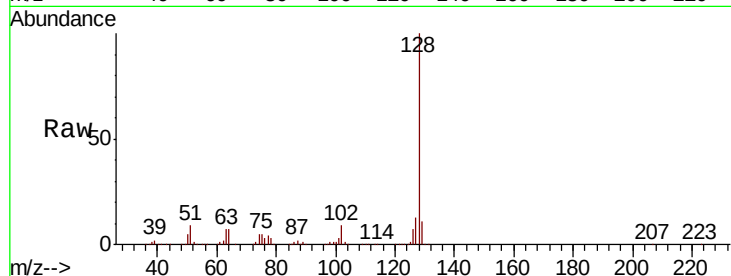
128 100

127 13.1 10.4 15.6

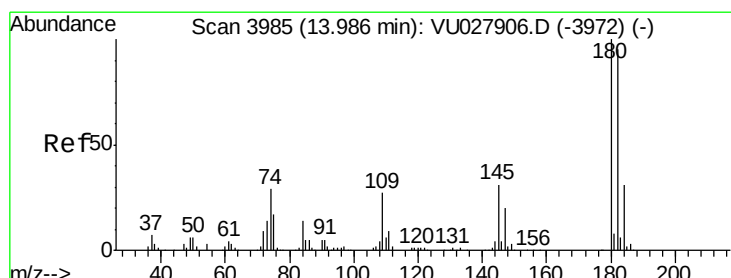
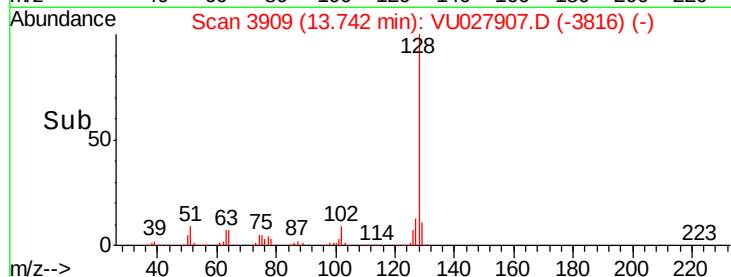
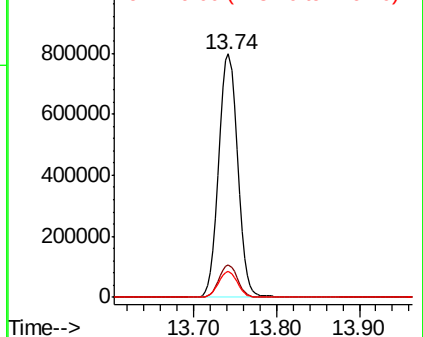
129 10.5 8.3 12.5

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:00:18 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 111.337 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027907.D

Acq: 01 Nov 2018 19:59

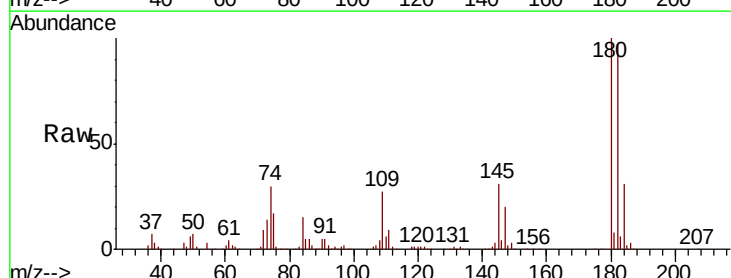
Tgt Ion:180 Resp: 359783

Ion Ratio Lower Upper

180 100

182 96.3 47.4 142.3

145 31.5 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

