

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100418\
 Data File : VU027414.D
 Acq On : 04 Oct 2018 17:40
 Operator : MD/SY
 Sample : VU1004WBS03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS03

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:52:35 PM

Quant Time: Oct 05 05:07:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	139784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	238880	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	221900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	110999	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	101175	43.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.70%	
35) Dibromofluoromethane	4.88	113	75455	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
50) Toluene-d8	7.57	98	288582	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
62) 4-Bromofluorobenzene	10.31	95	107009	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	38439	19.074	ug/l	99
3) Chloromethane	1.33	50	46858	17.174	ug/l	98
4) Vinyl Chloride	1.40	62	47235	18.417	ug/l	98
5) Bromomethane	1.63	94	24273	21.872	ug/l	99
6) Chloroethane	1.70	64	27316	17.724	ug/l	97
7) Trichlorofluoromethane	1.89	101	47878	18.398	ug/l	100
8) Diethyl Ether	2.11	74	21931	18.295	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	27537	18.221	ug/l	96
10) Methyl Iodide	2.41	142	24037	23.477	ug/l	97
11) Tert butyl alcohol	2.83	59	44996	91.542	ug/l	98
12) 1,1-Dichloroethene	2.29	96	27075	18.337	ug/l	95
13) Acrolein	2.20	56	16503	40.012	ug/l	99
14) Allyl chloride	2.59	41	61421	17.517	ug/l	97
15) Acrylonitrile	2.94	53	122169	95.495	ug/l	99
16) Acetone	2.32	43	100101	72.594	ug/l	100
17) Carbon Disulfide	2.48	76	91636	17.208	ug/l	99
18) Methyl Acetate	2.62	43	62384	19.832	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	114778	19.400	ug/l	99
20) Methylene Chloride	2.70	84	36237	18.866	ug/l	94
21) trans-1,2-Dichloroethene	2.98	96	31402	18.943	ug/l	98
22) Diisopropyl ether	3.58	45	137307	19.267	ug/l	95
23) Vinyl Acetate	3.53	43	571347	91.802	ug/l	99
24) 1,1-Dichloroethane	3.45	63	71027	19.387	ug/l	98
25) 2-Butanone	4.27	43	167605	89.134	ug/l	98
26) 2,2-Dichloropropane	4.23	77	47978	15.938	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	36488	19.247	ug/l	96
28) Bromochloromethane	4.55	49	34879	19.733	ug/l	96
29) Tetrahydrofuran	4.64	42	113034	95.384	ug/l	97
30) Chloroform	4.67	83	62933	19.334	ug/l	100
31) Cyclohexane	5.00	56	67587	17.901	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	51681	18.852	ug/l	99
36) 1,1-Dichloropropene	5.14	75	48196	18.582	ug/l	99
37) Ethyl Acetate	4.39	43	63061	18.812	ug/l	98
38) Carbon Tetrachloride	5.13	117	43840	18.712	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	54396	17.941	ug/l	98
40) Benzene	5.39	78	145209	19.220	ug/l	97
41) Methacrylonitrile	4.55	41	35362	18.664	ug/l	97
42) 1,2-Dichloroethane	5.41	62	52425	18.694	ug/l	100
43) Isopropyl Acetate	5.55	43	100910	19.383	ug/l	99
44) Trichloroethene	6.19	130	33002	19.590	ug/l	98
45) 1,2-Dichloropropane	6.43	63	41739	19.154	ug/l	99
46) Dibromomethane	6.56	93	23891	19.412	ug/l	98
47) Bromodichloromethane	6.76	83	47690	18.674	ug/l	100
48) Methyl methacrylate	6.62	41	48836	18.863	ug/l	97
49) 1,4-Dioxane	6.62	88	16055	360.422	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	322256	95.257	ug/l	99
52) Toluene	7.64	92	86713	19.391	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	56174	18.760	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	60269	18.723	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	34717	19.581	ug/l	97
56) Ethyl methacrylate	8.02	69	57120	18.331	ug/l	98
57) 1,3-Dichloropropane	8.24	76	66041	19.187	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	158052	90.206	ug/l	99
59) 2-Hexanone	8.36	43	245168	93.423	ug/l	99
60) Dibromochloromethane	8.48	129	34522	19.414	ug/l	98
61) 1,2-Dibromoethane	8.59	107	36401	19.310	ug/l	99
64) Tetrachloroethene	8.23	164	28021	20.285	ug/l	99
65) Chlorobenzene	9.12	112	91510	19.592	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	31817	19.732	ug/l	98
67) Ethyl Benzene	9.25	91	159631	19.290	ug/l	98
68) m/p-Xylenes	9.38	106	120941	39.954	ug/l	99
69) o-Xylene	9.78	106	57087	19.846	ug/l	98
70) Styrene	9.79	104	96057	19.342	ug/l	99
71) Bromoform	9.96	173	24888	19.184	ug/l #	100
73) Isopropylbenzene	10.17	105	156448	19.406	ug/l	99
74) N-amyl acetate	10.02	43	84407	18.289	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	58210	18.389	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	53562m	18.615	ug/l	
77) Bromobenzene	10.45	156	37190	19.850	ug/l	96
78) n-propylbenzene	10.59	91	192030	19.823	ug/l	100
79) 2-Chlorotoluene	10.66	91	113520	19.408	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	130307	19.853	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	56676m	51.550	ug/l	
82) 4-Chlorotoluene	10.77	91	130158	19.609	ug/l	98
83) tert-Butylbenzene	11.10	119	123637	19.485	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	135432	20.200	ug/l	100
85) sec-Butylbenzene	11.32	105	158328	19.804	ug/l	100
86) p-Isopropyltoluene	11.48	119	137214	20.046	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	70026	19.738	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	71272	19.660	ug/l	98
89) n-Butylbenzene	11.89	91	132797	19.518	ug/l	99
90) Hexachloroethane	12.15	117	23317	18.072	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	68760	19.911	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	12610	17.974	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	48978	21.919	ug/l	100
94) Hexachlorobutadiene	13.69	225	22334	19.783	ug/l	98
95) Naphthalene	13.74	128	155617	19.588	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	50582	21.728	ug/l	100

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

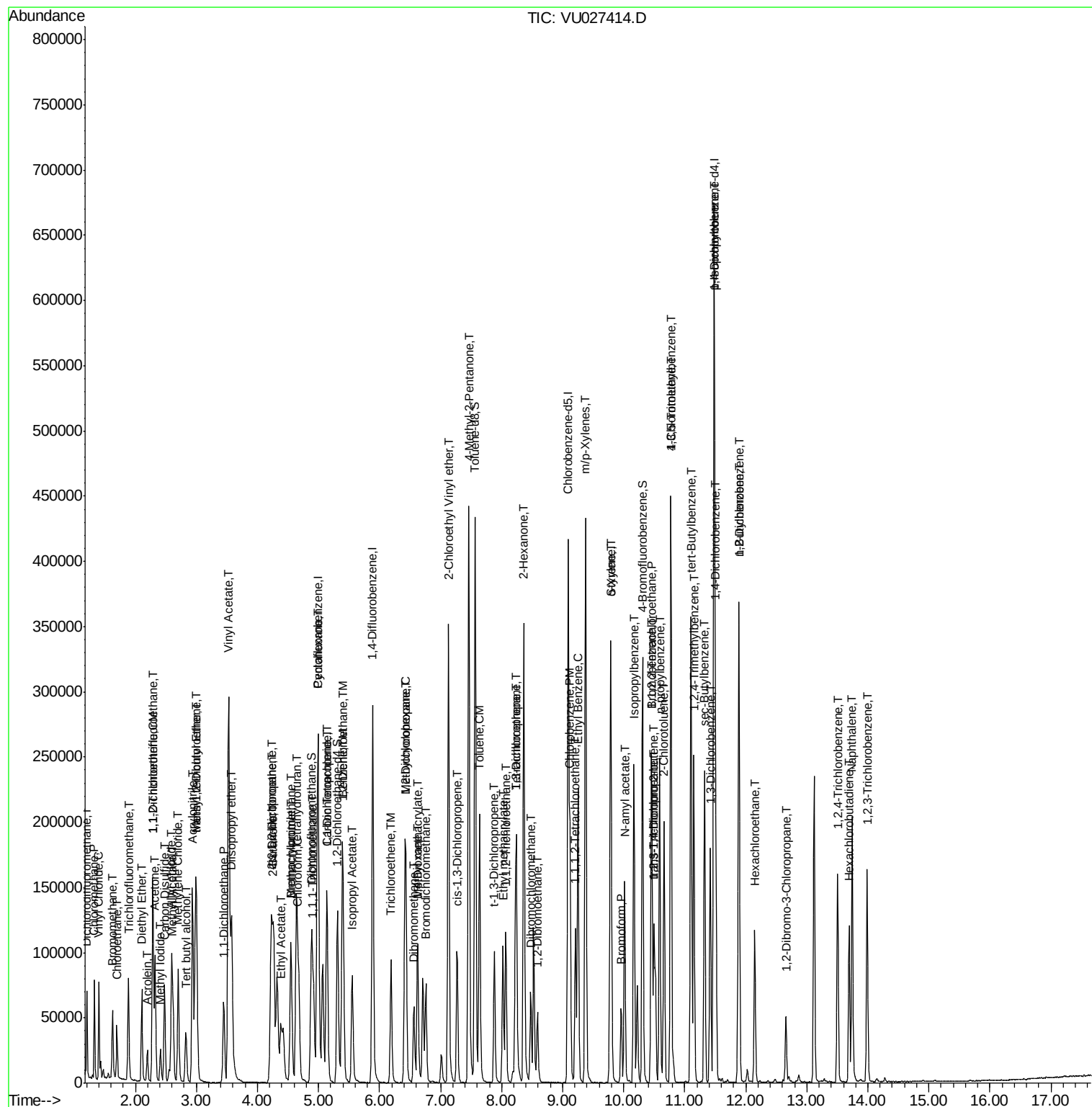
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100418\
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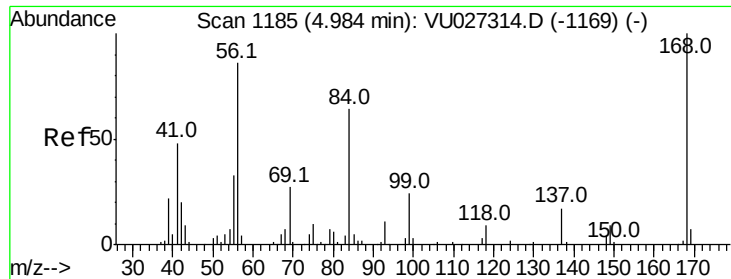
Instrument :
 MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion:168 Resp: 139784

Ion Ratio Lower Upper

168 100

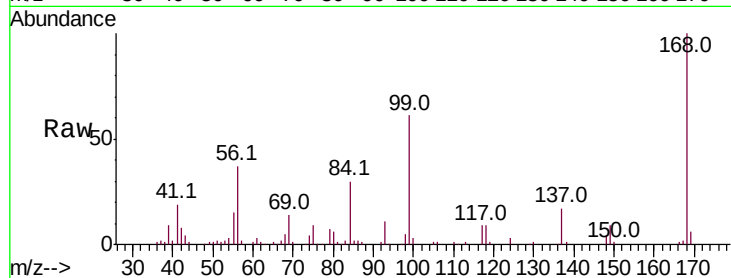
99 60.6 50.8 76.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

60000

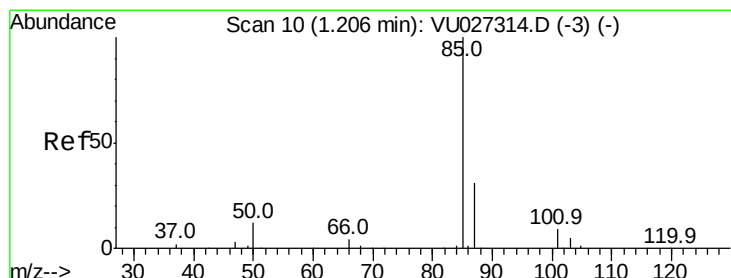
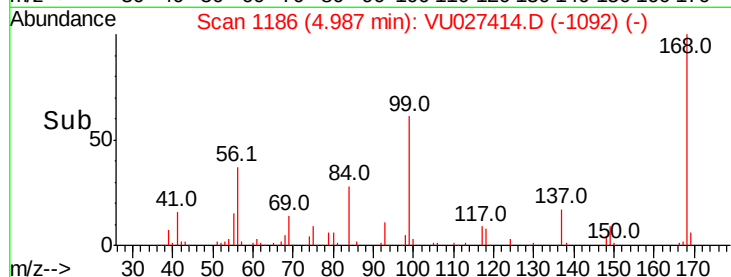
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 19.074 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027414.D

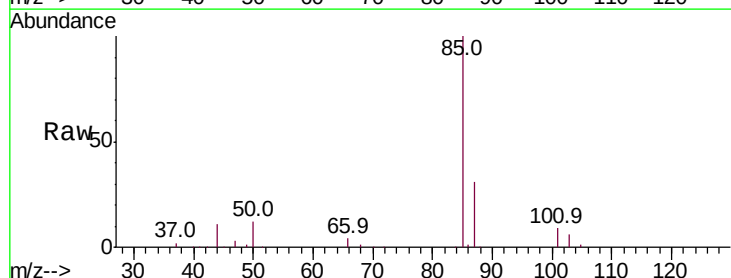
Acq: 04 Oct 2018 17:40

Tgt Ion: 85 Resp: 38439

Ion Ratio Lower Upper

85 100

87 31.0 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027314.D (-3) (-)

1.21

40000

30000

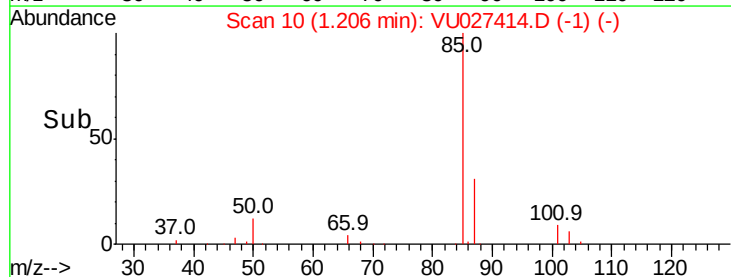
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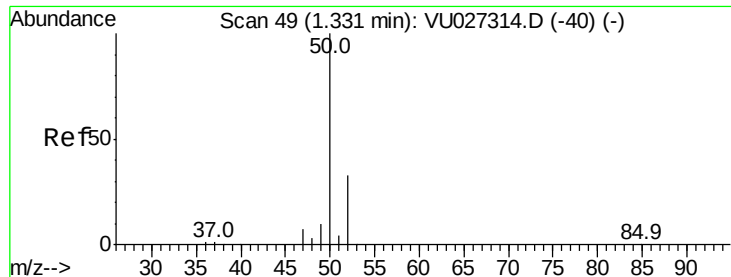
10000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.174 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion: 50 Resp: 46858

Ion Ratio Lower Upper

50 100

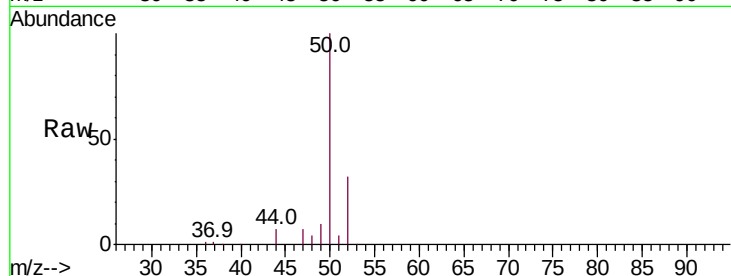
52 32.2 26.5 39.7

Manual Integrations

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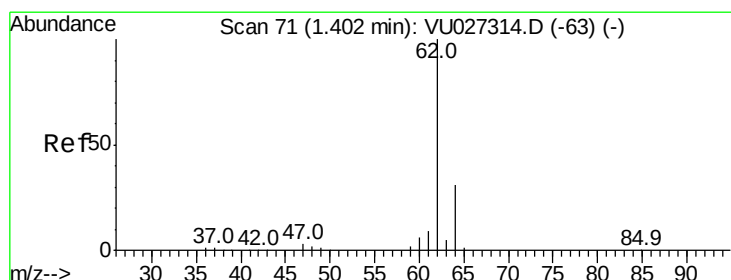
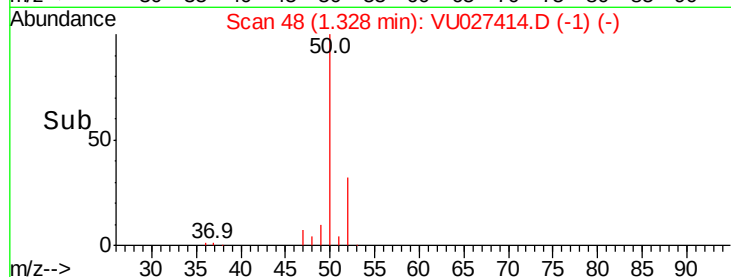
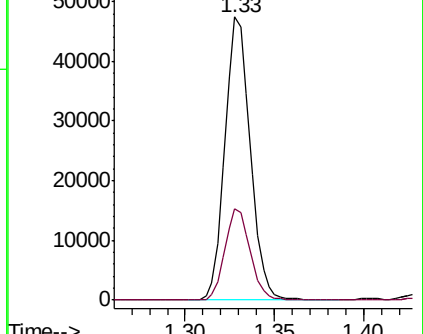
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.417 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027414.D

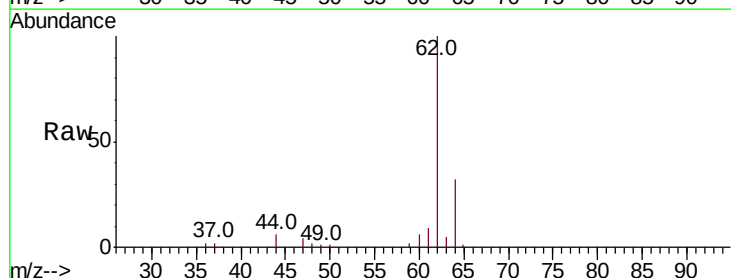
Acq: 04 Oct 2018 17:40

Tgt Ion: 62 Resp: 47235

Ion Ratio Lower Upper

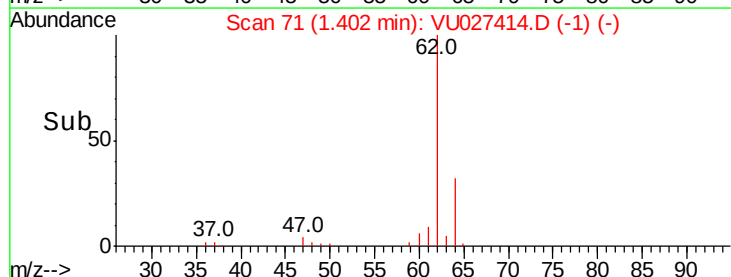
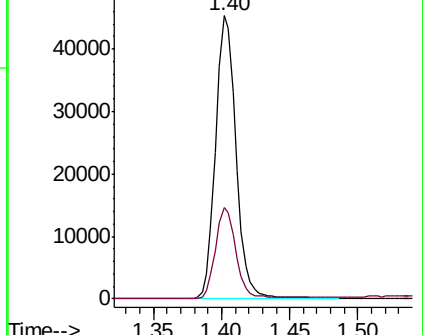
62 100

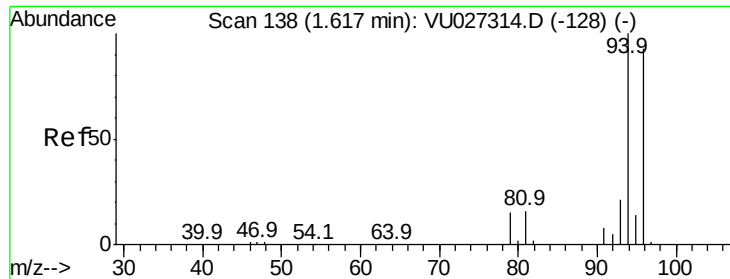
64 32.3 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 21.872 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 94 Resp: 24273

Ion Ratio Lower Upper

94 100

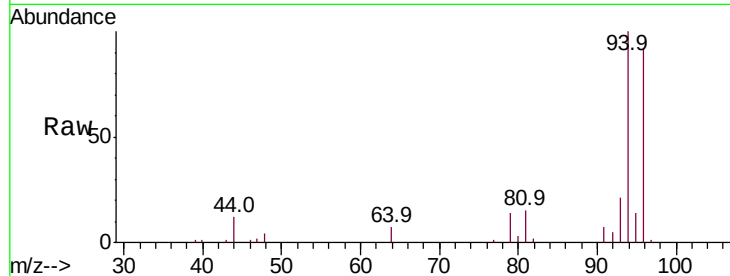
96 92.4 74.6 111.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

20000

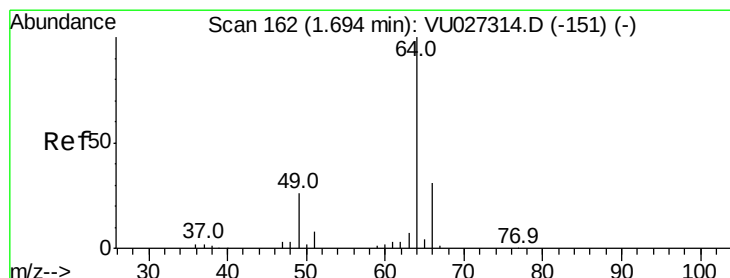
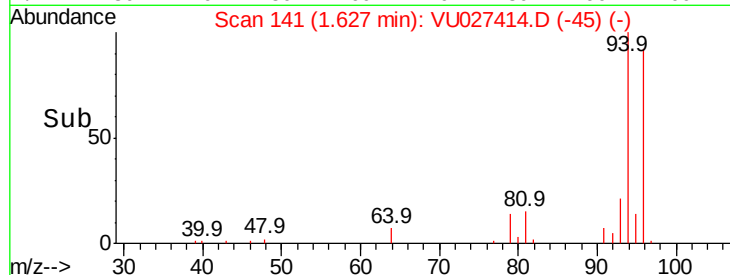
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 17.724 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027414.D

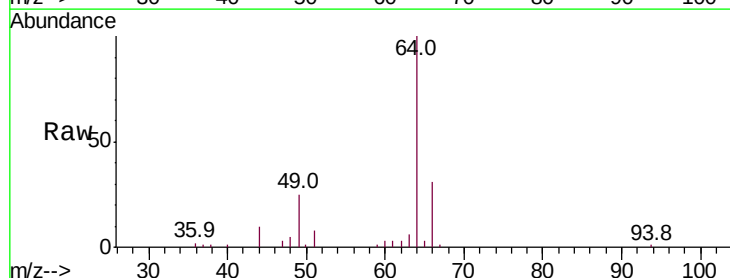
Acq: 04 Oct 2018 17:40

Tgt Ion: 64 Resp: 27316

Ion Ratio Lower Upper

64 100

66 32.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

25000

20000

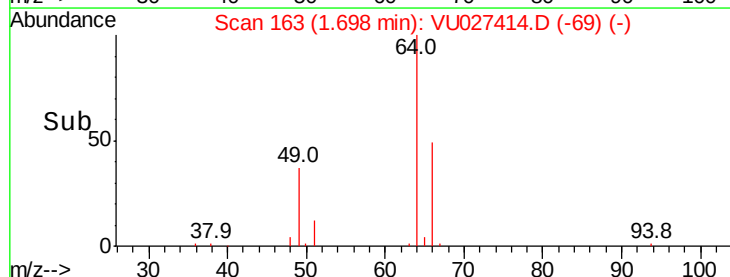
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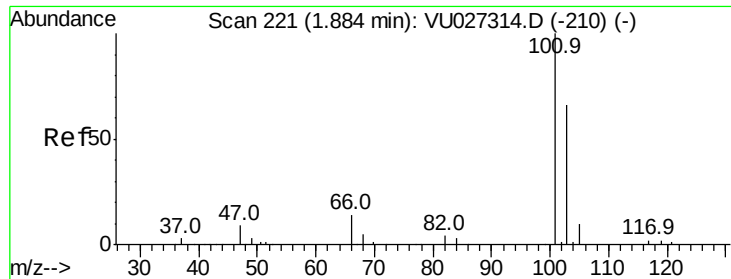
10000

5000

0

Time-->





#7

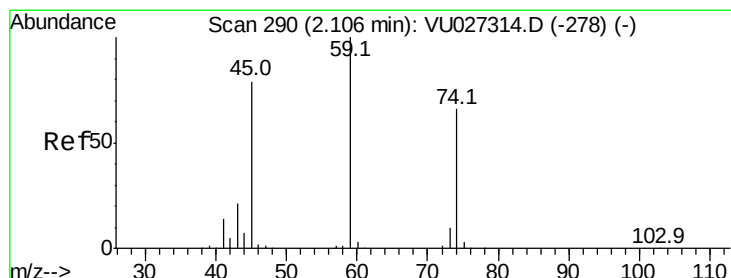
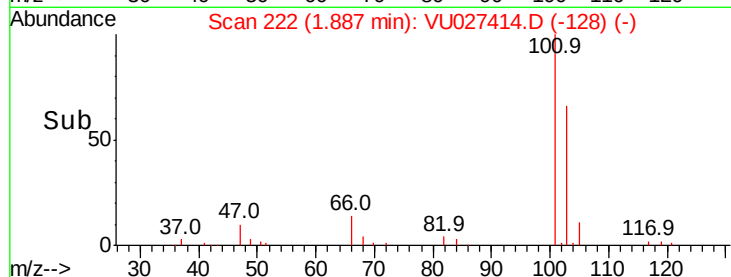
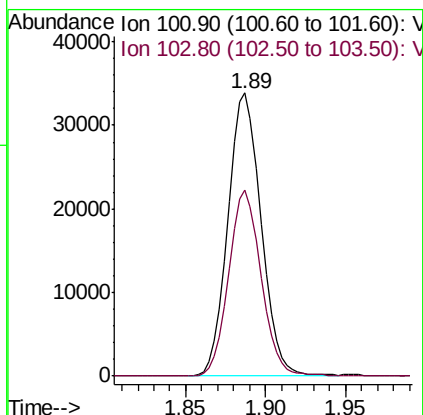
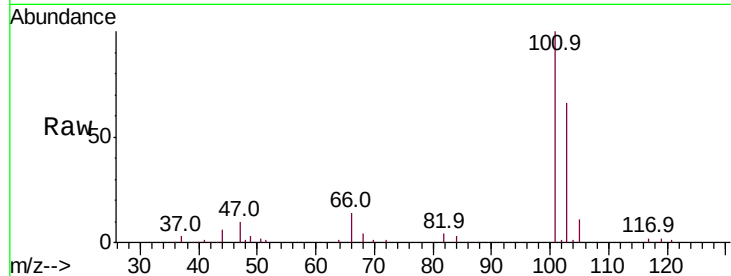
Trichlorofluoromethane
Concen: 18.398 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027414.D
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Tot Ion:101 Resp: 47878
Ion Ratio Lower Upper
101 100
103 65.7 52.6 78.8

Manual Integrations
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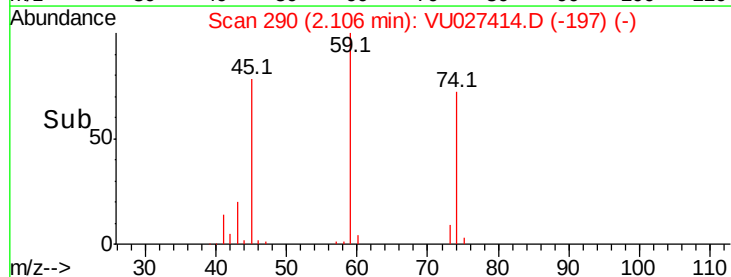
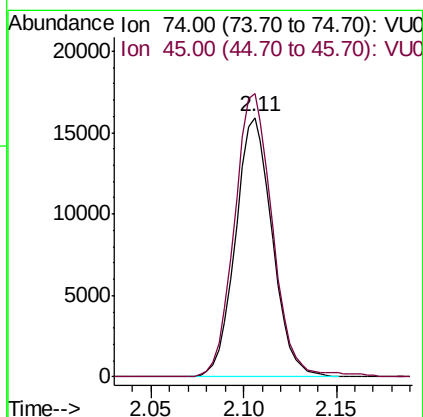
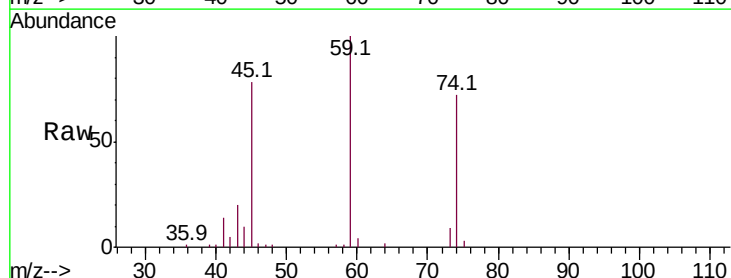
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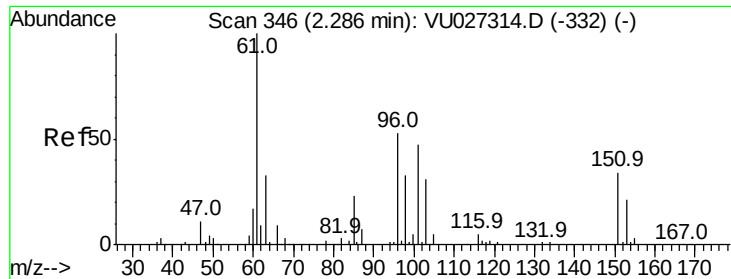


#8

Diethyl Ether
Concen: 18.295 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion: 74 Resp: 21931
Ion Ratio Lower Upper
74 100
45 113.5 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.221 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027414.D

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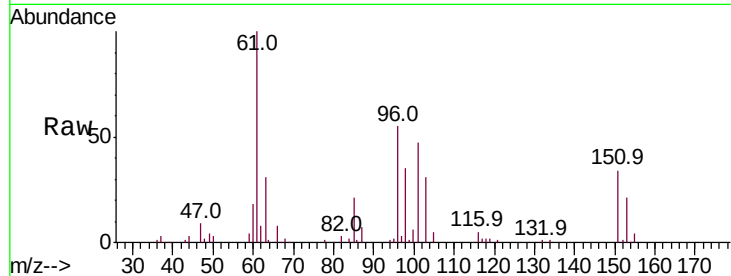
ClientSampleId :

VU1004WBS03

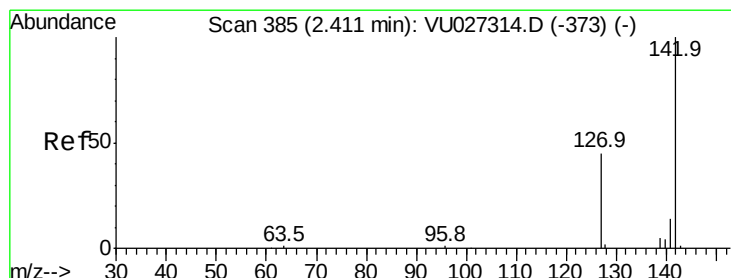
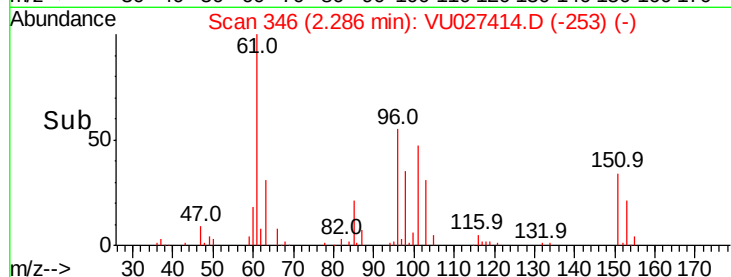
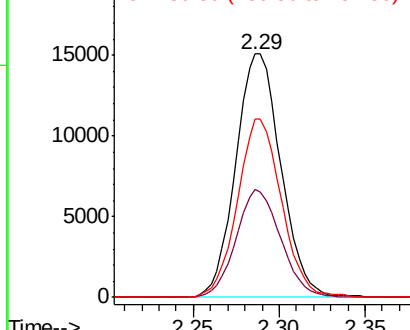
Tot Ion:	101	Resp:	27537
Ion Ratio	Lower	Upper	
101	100		
85	43.6	37.5	56.3
151	71.6	55.6	83.4

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



#10

Methyl Iodide

Concen: 23.477 ug/l

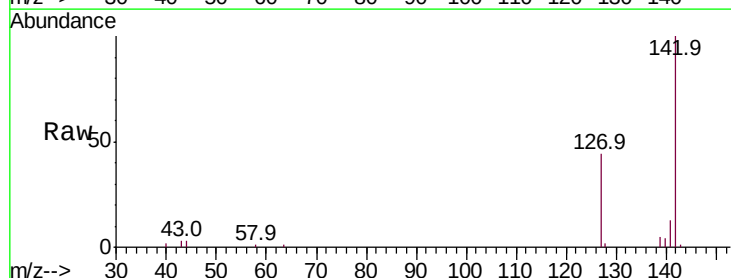
RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

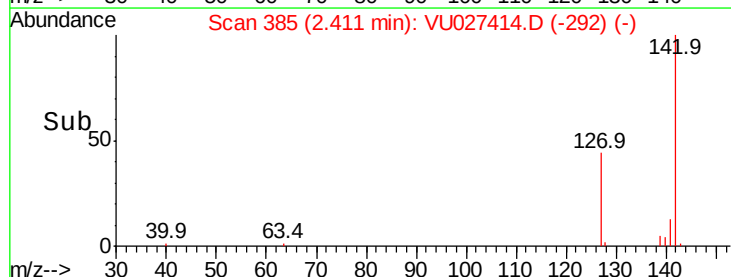
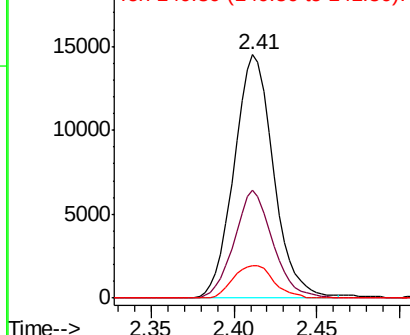
Lab File: VU027414.D

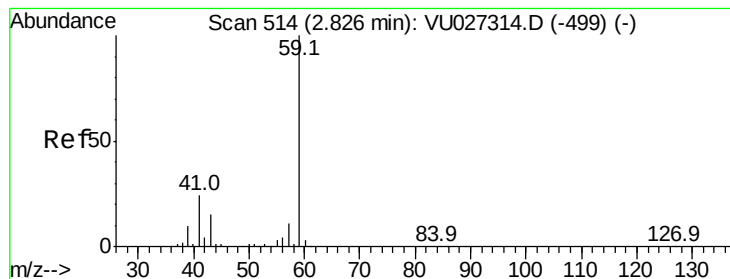
Acq: 04 Oct 2018 17:40

Tgt Ion:	142	Resp:	24037
Ion Ratio	Lower	Upper	
142	100		
127	43.2	36.3	54.5
141	13.7	11.6	17.4



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





#11

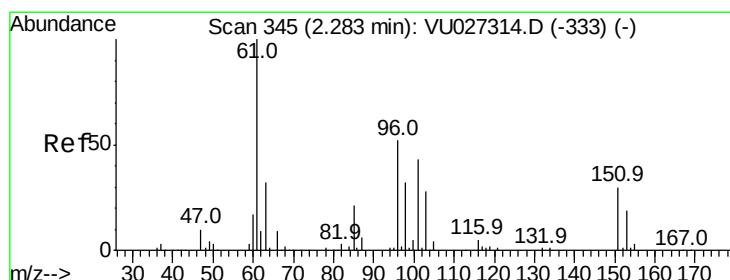
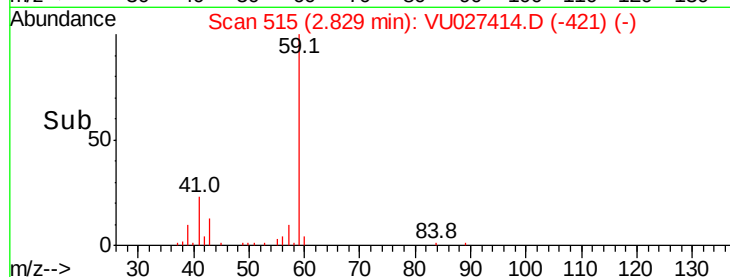
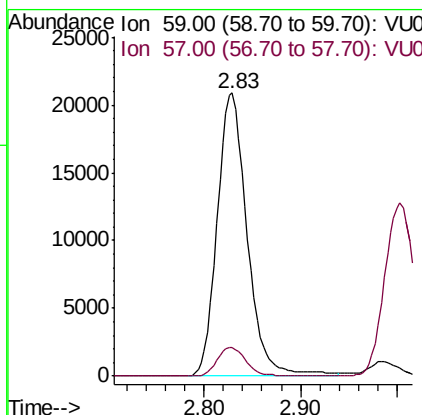
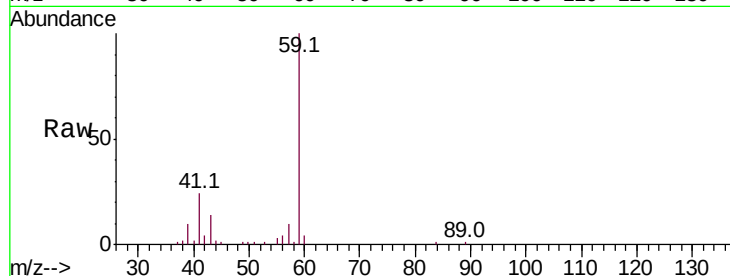
Tert butyl alcohol
Concen: 91.542 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion	59	Resp	44996
Ion Ratio	100	Lower	Upper
57	9.7	8.4	12.6

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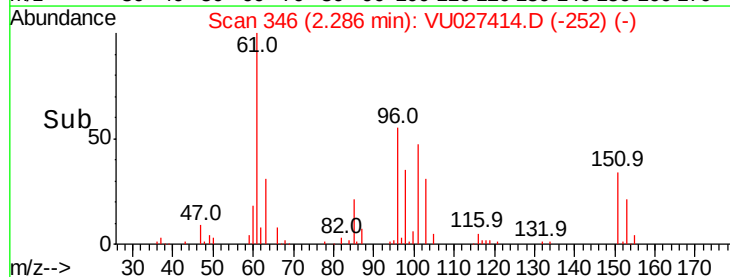
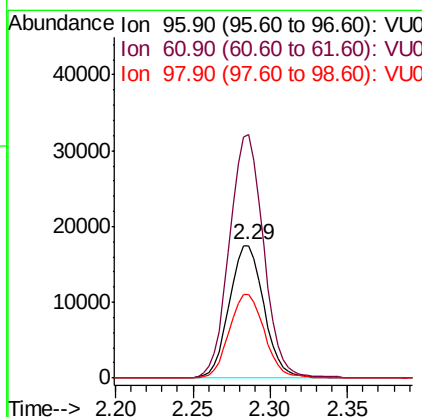
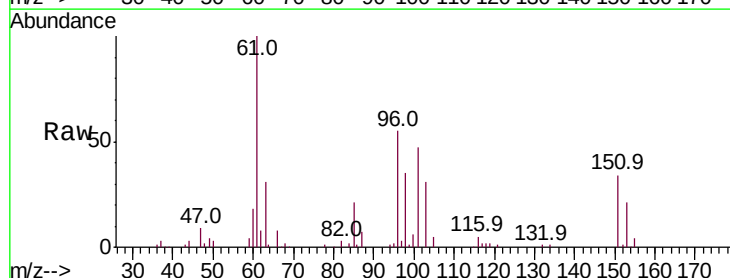
MMDadoda
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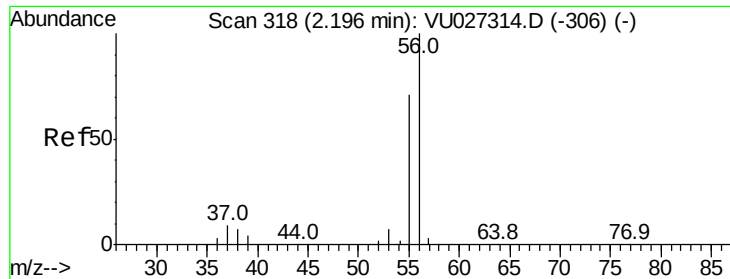


#12

1,1-Dichloroethene
Concen: 18.337 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion	96	Resp	27075
Ion Ratio	100	Lower	Upper
61	183.3	153.0	229.6
98	63.4	49.3	73.9





#13

Acrolein

Concen: 40.012 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion: 56 Resp: 16503

Ion Ratio Lower Upper

56 100

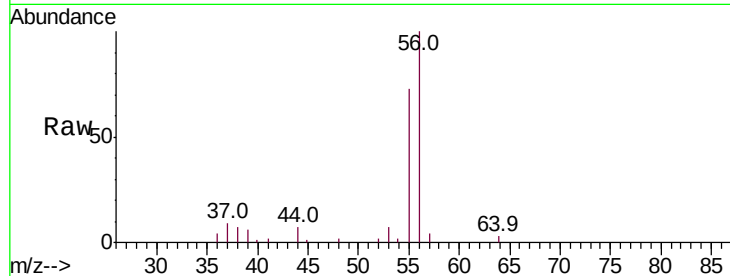
55 71.0 57.7 86.5

Manual Integrations

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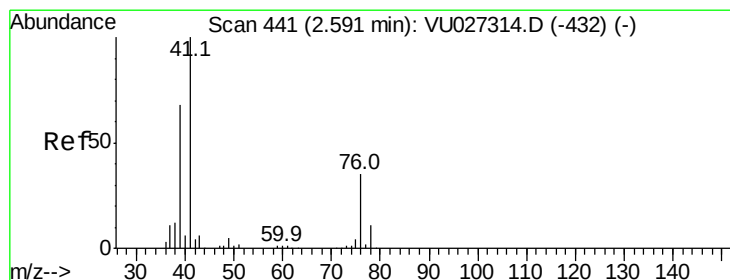
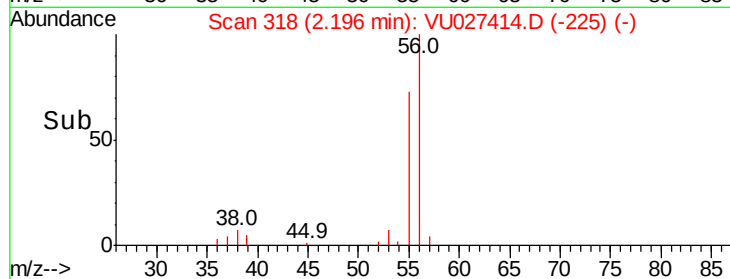
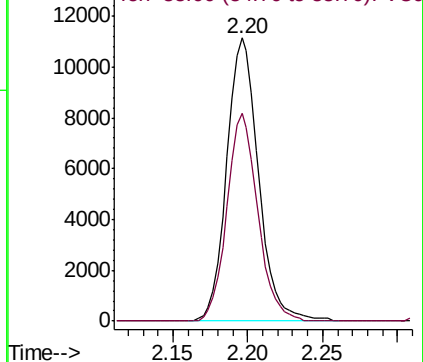
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 17.517 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

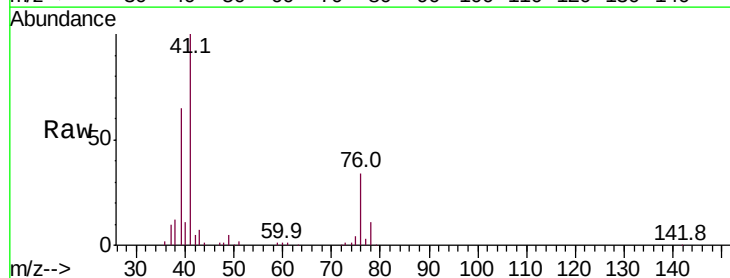
Tgt Ion: 41 Resp: 61421

Ion Ratio Lower Upper

41 100

39 67.3 51.8 77.8

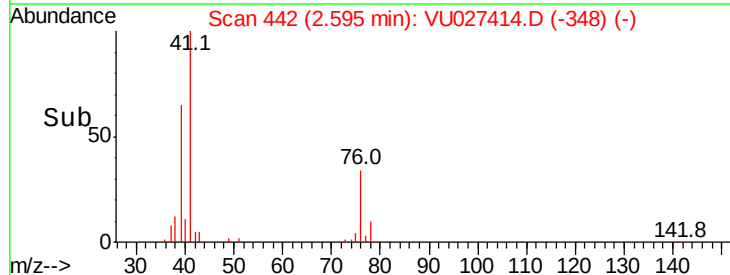
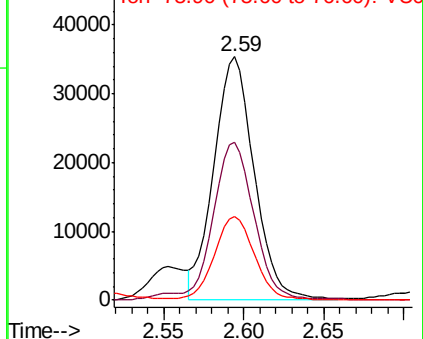
76 34.4 25.9 38.9

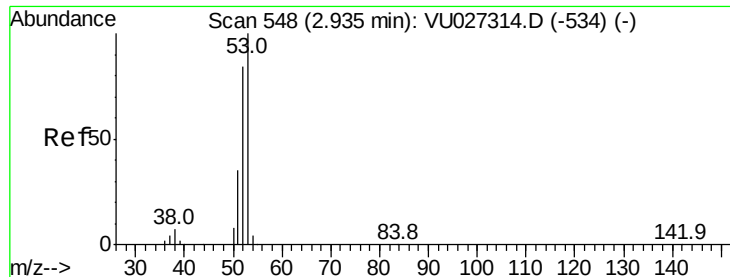


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 95.495 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

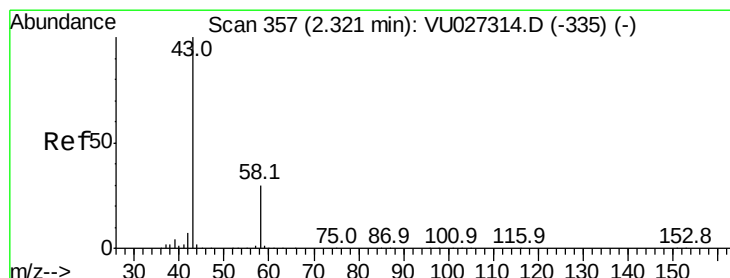
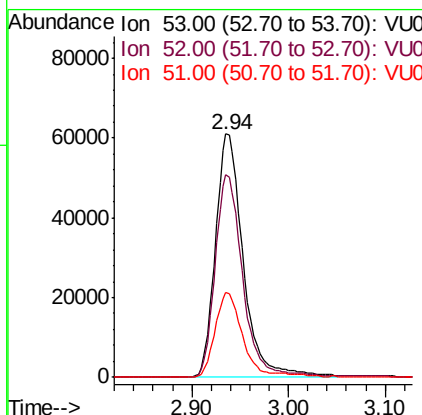
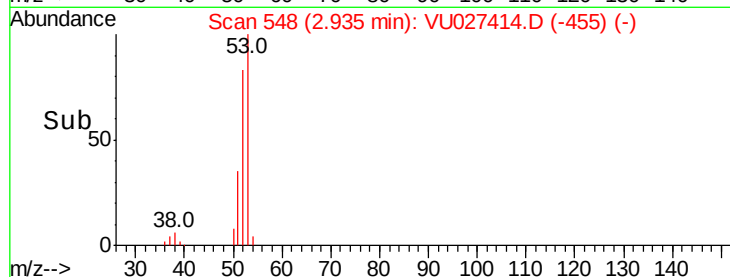
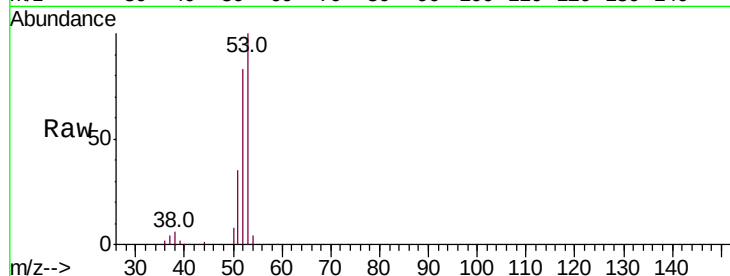
ClientSampleId :

VU1004WBS03

Tot Ion:	53	Resp:	122169
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.5	99.7
51	35.2	27.6	41.4

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#16

Acetone

Concen: 72.594 ug/l

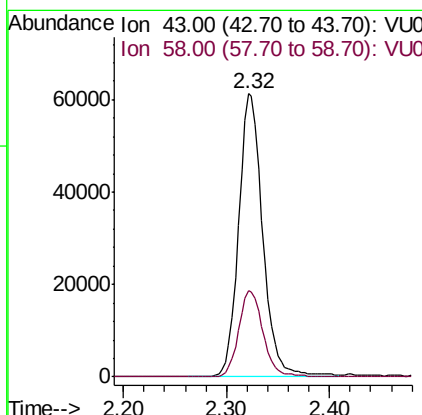
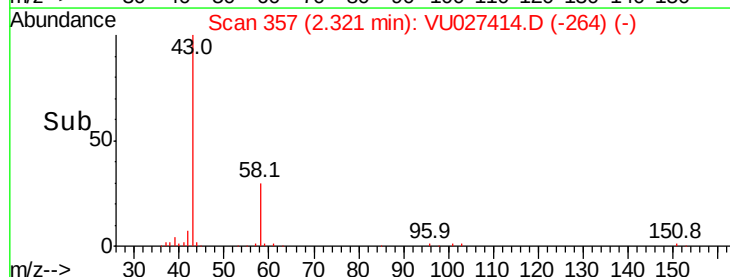
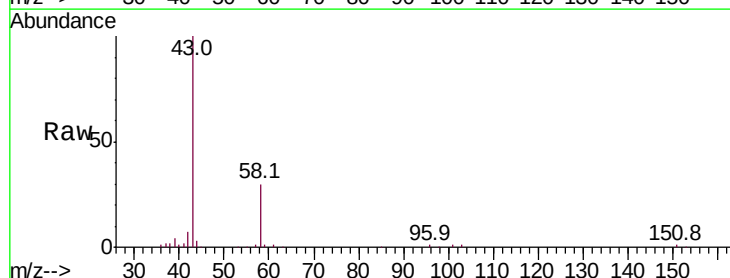
RT: 2.32 min Scan# 357

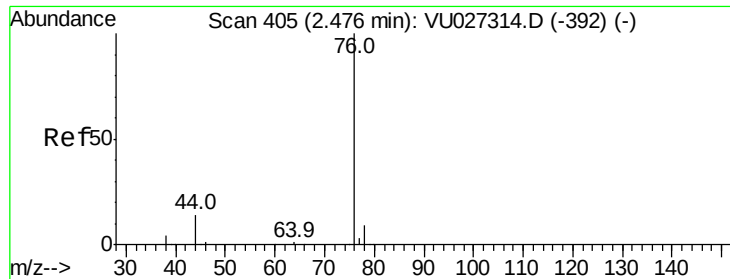
Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Tgt Ion:	43	Resp:	100101
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.2	36.4





#17

Carbon Disulfide

Concen: 17.208 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion: 76 Resp: 91636

Ion Ratio Lower Upper

76 100

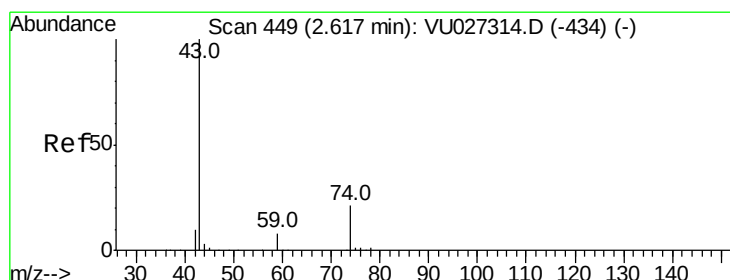
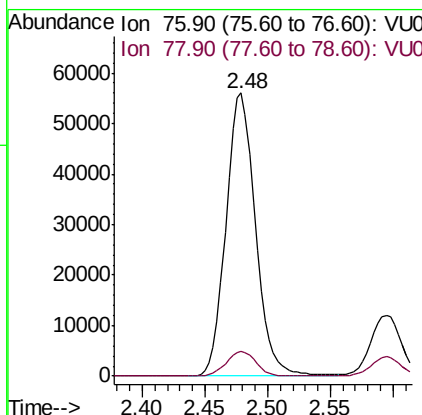
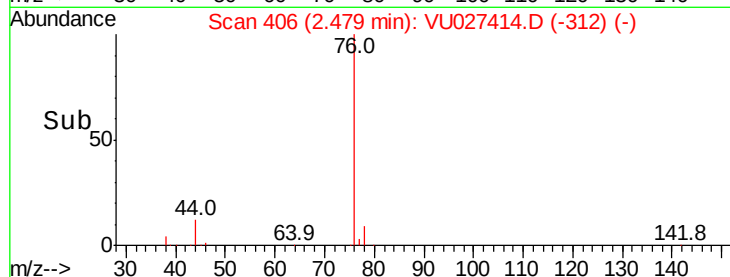
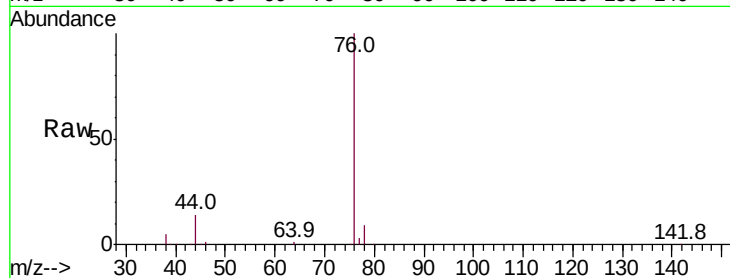
78 8.8 7.3 10.9

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#18

Methyl Acetate

Concen: 19.832 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027414.D

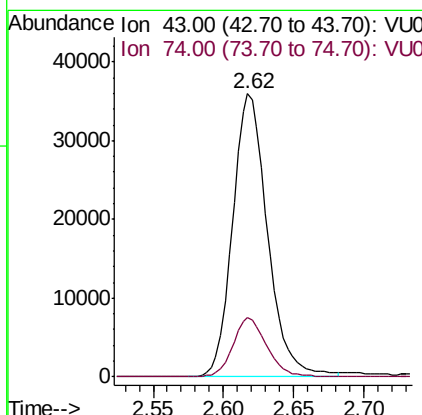
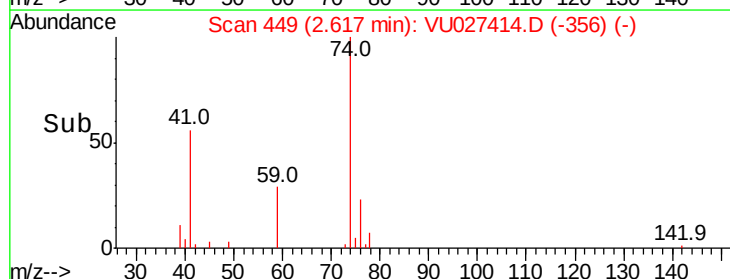
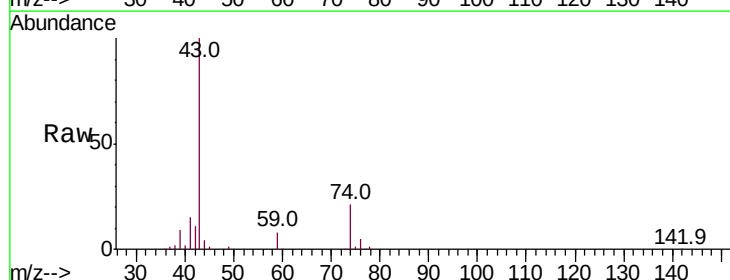
Acq: 04 Oct 2018 17:40

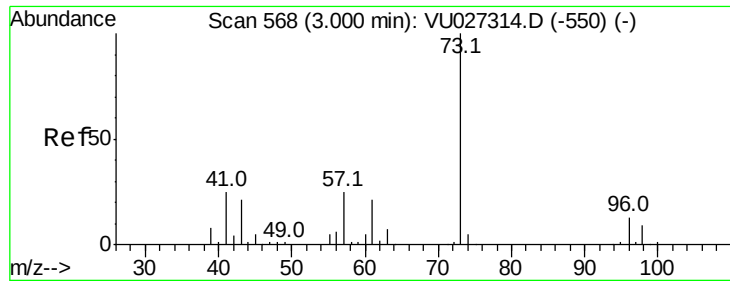
Tgt Ion: 43 Resp: 62384

Ion Ratio Lower Upper

43 100

74 20.2 16.5 24.7





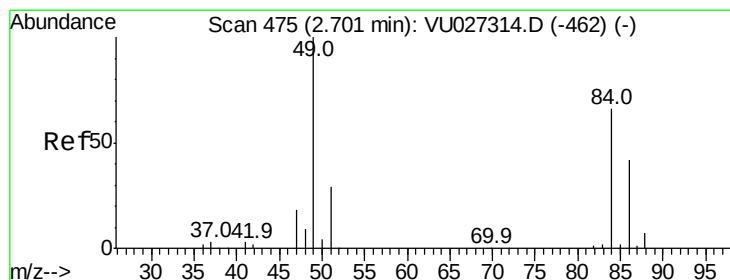
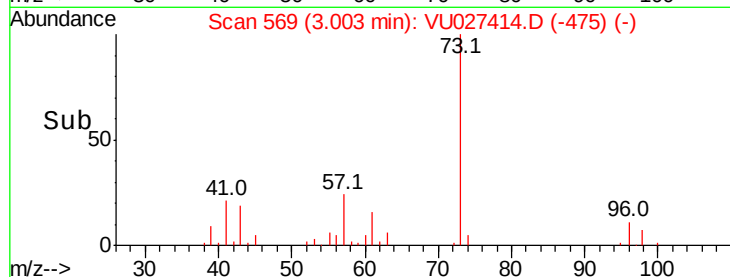
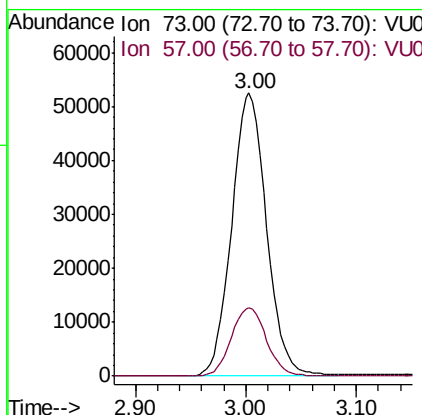
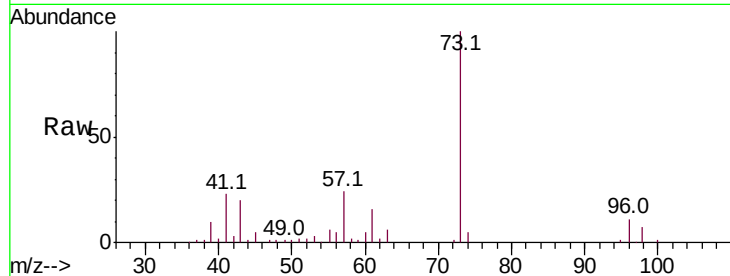
#19
Methyl tert-butyl Ether
Concen: 19.400 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion: 73 Resp: 114778
Ion Ratio Lower Upper
73 100
57 24.4 20.0 30.0

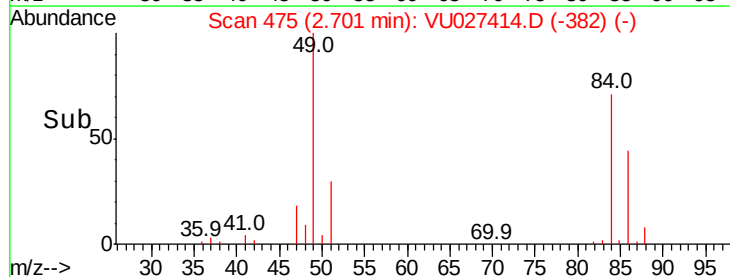
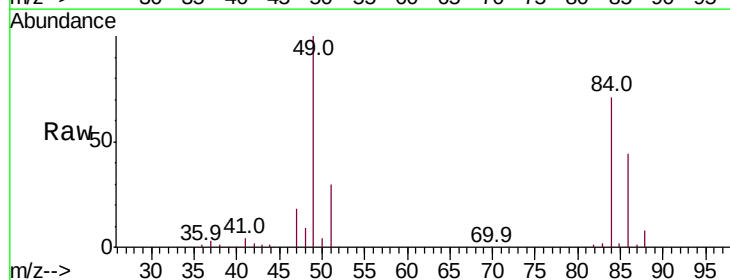
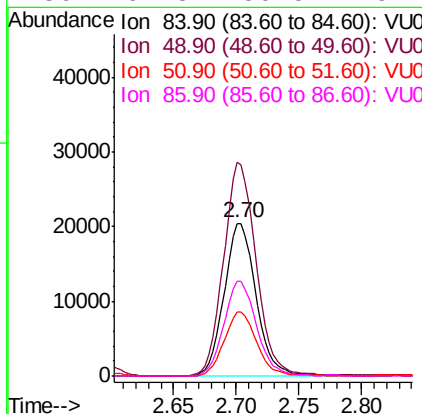
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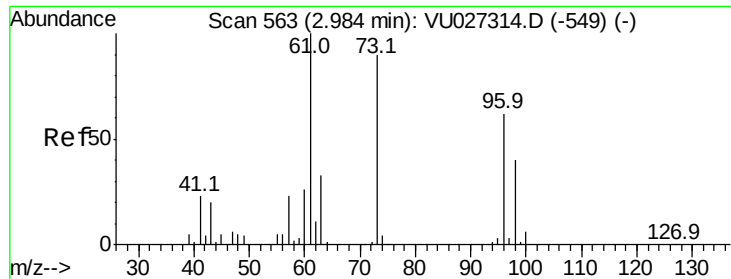
MMDadoda
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#20
Methylene Chloride
Concen: 18.866 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion: 84 Resp: 36237
Ion Ratio Lower Upper
84 100
49 140.1 120.5 180.7
51 41.7 35.1 52.7
86 62.3 50.5 75.7





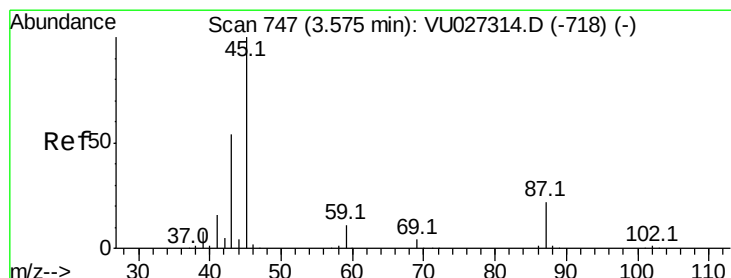
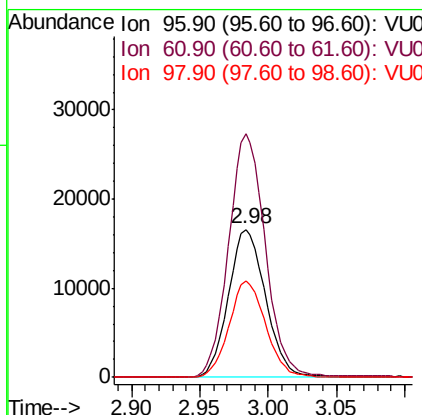
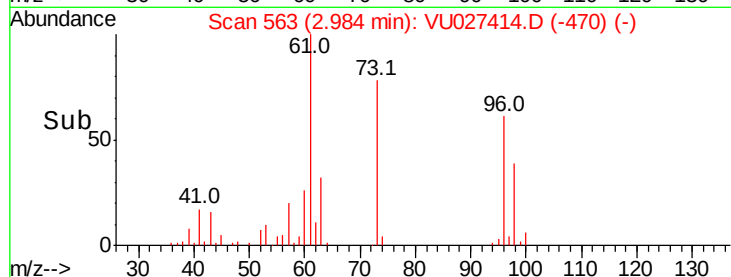
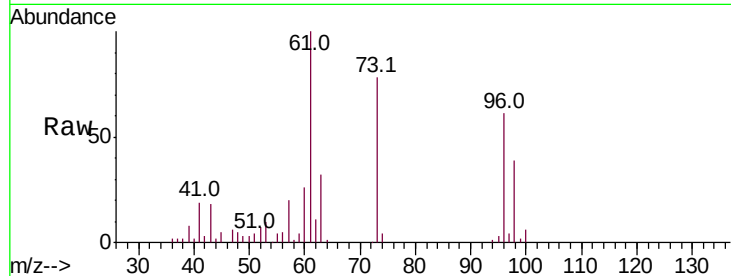
#21
trans-1,2-Dichloroethene
Concen: 18.943 ug/l
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.5	129.4	194.2
98	64.9	51.2	76.8

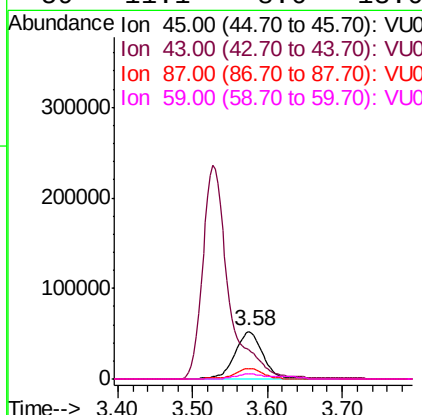
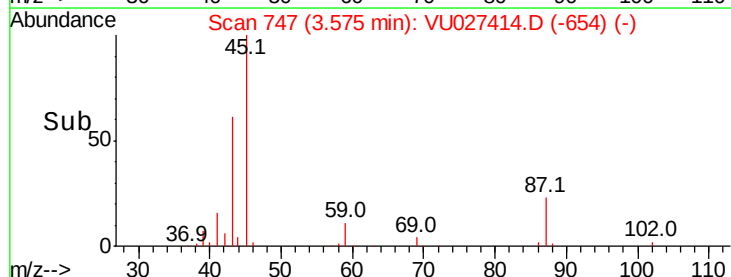
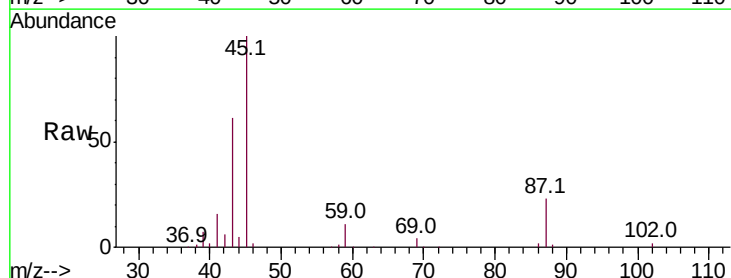
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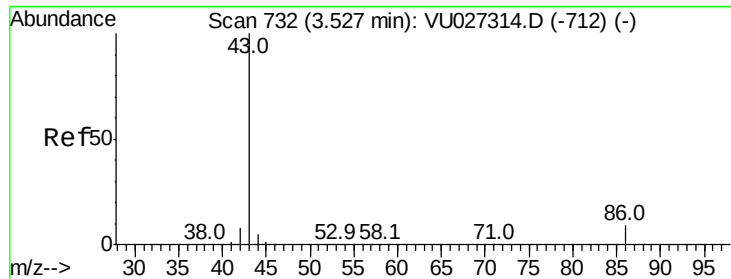
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#22
Diisopropyl ether
Concen: 19.267 ug/l
RT: 3.58 min Scan# 747
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.0	43.4	65.2
87	22.7	17.5	26.3
59	11.1	8.6	13.0





#23

Vinyl Acetate

Concen: 91.802 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion: 43 Resp: 571347

Ion Ratio Lower Upper

43 100

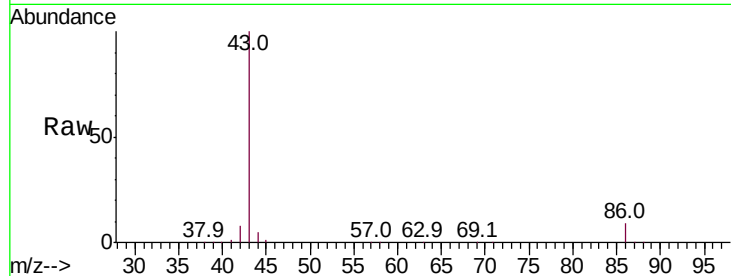
86 9.0 7.0 10.4

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Abundance Ion 43.00 (42.70 to 43.70): VU027414.D (-712) (-)

Ion 86.00 (85.70 to 86.70): VU027414.D (-712) (-)

250000

200000

150000

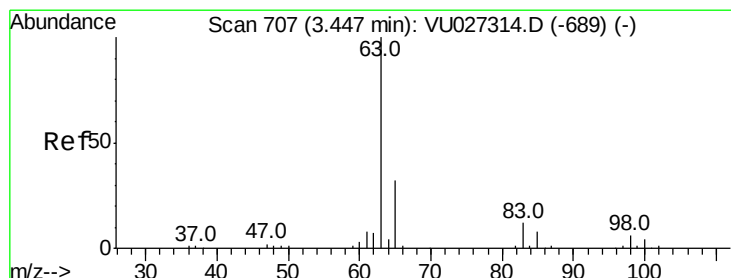
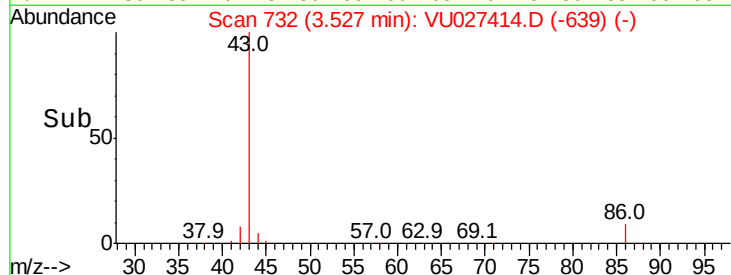
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 19.387 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

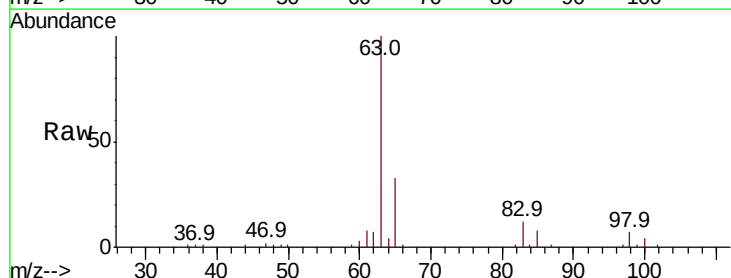
Tgt Ion: 63 Resp: 71027

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.2

100 4.3 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU027414.D (-689) (-)

Ion 97.90 (97.60 to 98.60): VU027414.D (-689) (-)

Ion 99.90 (99.60 to 100.60): VU027414.D (-689) (-)

40000

30000

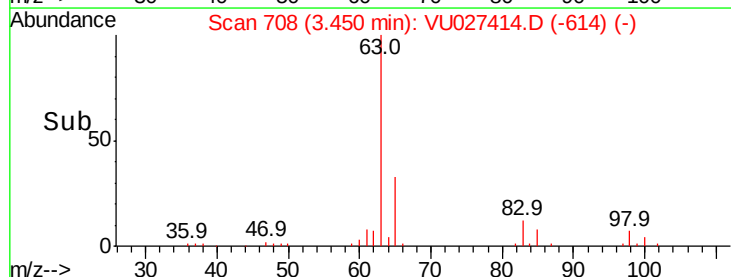
20000

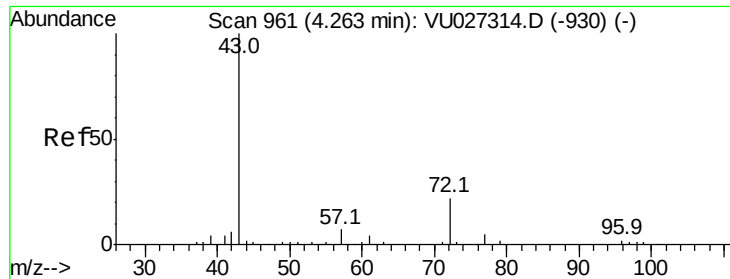
10000

0

3.40 3.50 3.60

Time-->





#25

2-Butanone

Concen: 89.134 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion: 43 Resp: 167605

Ion Ratio Lower Upper

43 100

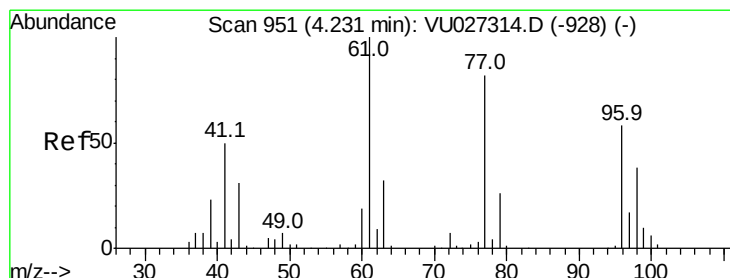
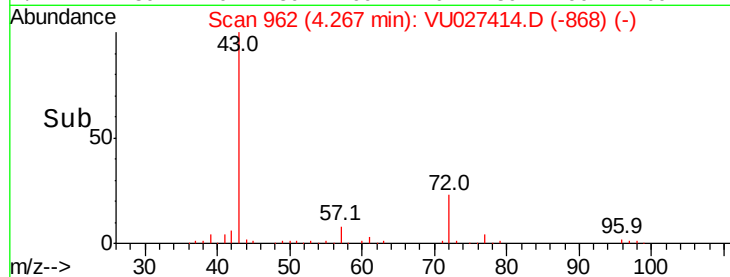
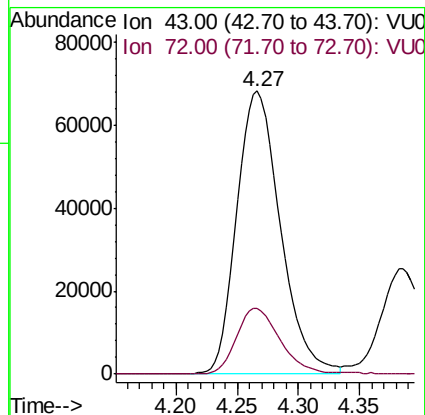
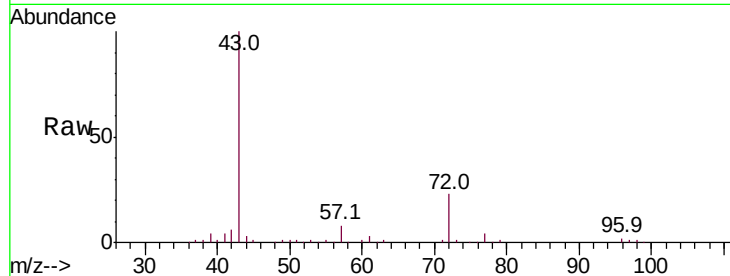
72 23.3 17.8 26.6

Manual Integrations

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10/8/2018 1:52:35 PM



#26

2,2-Dichloropropane

Concen: 15.938 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027414.D

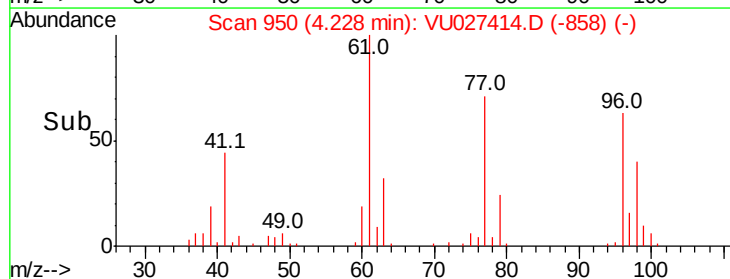
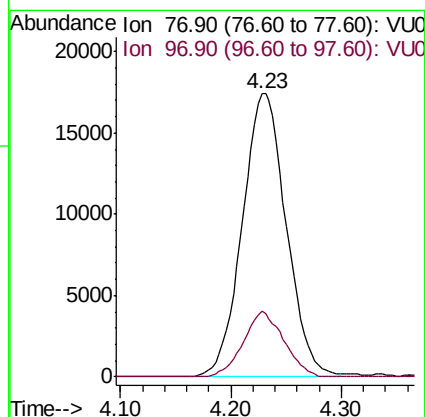
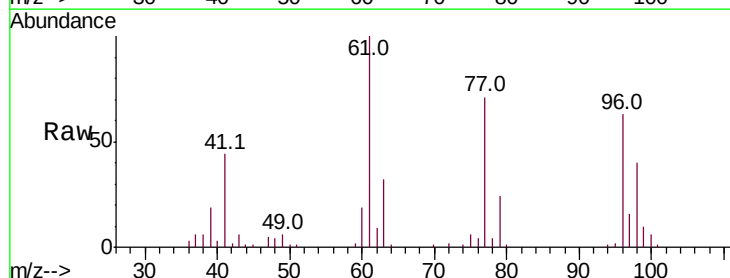
Acq: 04 Oct 2018 17:40

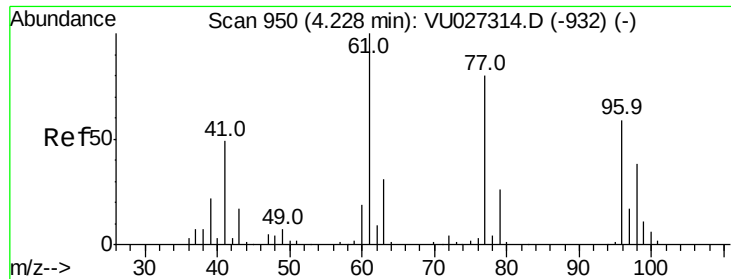
Tgt Ion: 77 Resp: 47978

Ion Ratio Lower Upper

77 100

97 21.3 10.4 31.1





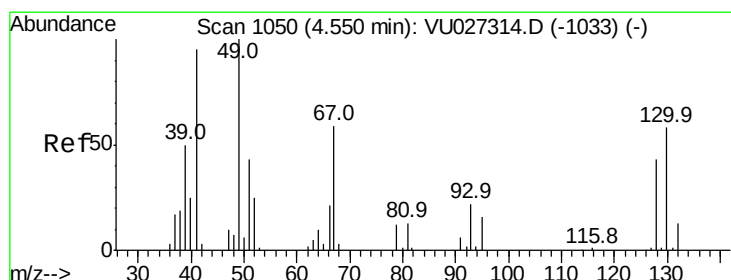
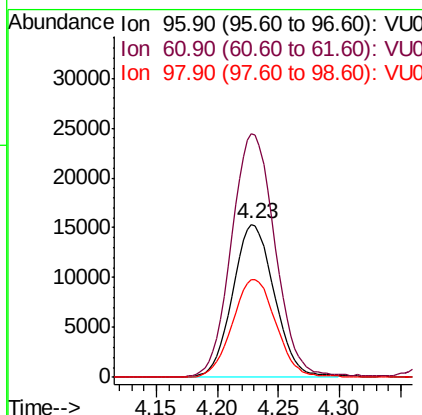
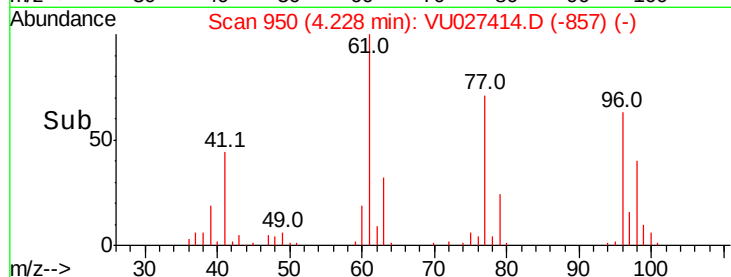
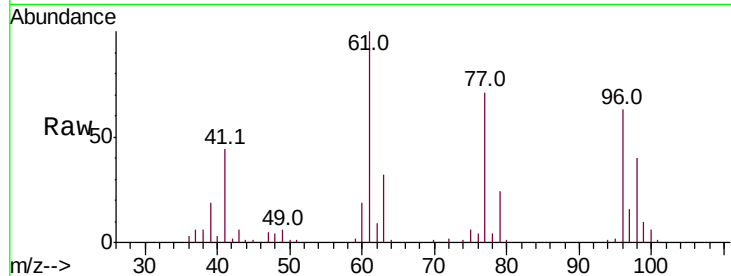
#27
 cis-1,2-Dichloroethene
 Concen: 19.247 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027414.D
 Acq: 04 Oct 2018 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.6	0.0	343.8
98	66.5	0.0	129.0

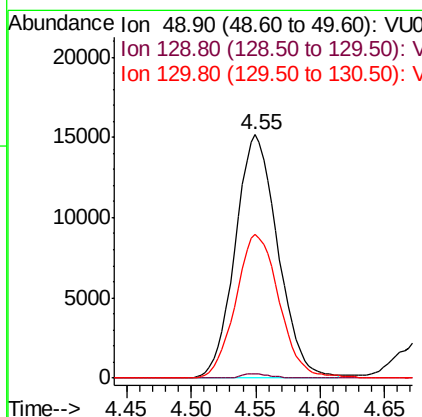
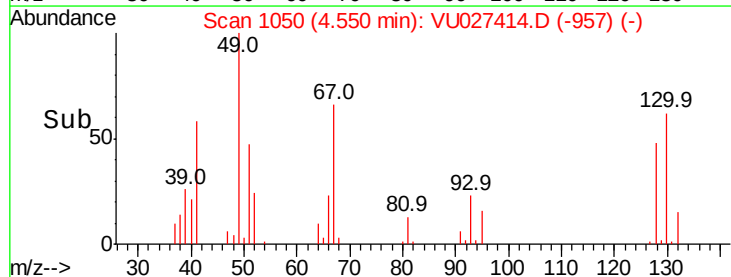
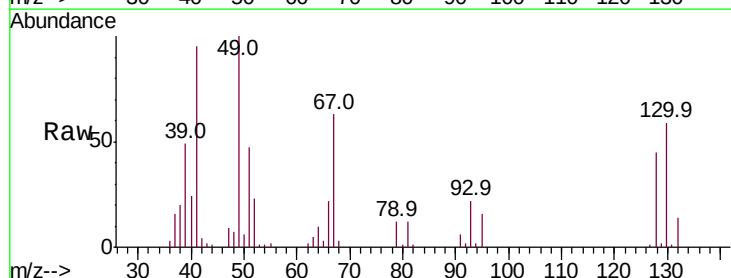
Manual Integrations
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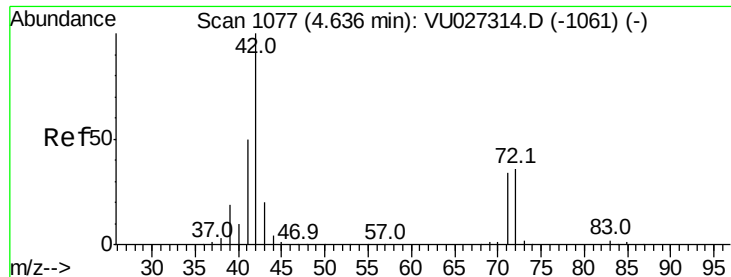
MMDadoda
 10/8/2018 1:52:35 PM



#28
 Bromochloromethane
 Concen: 19.733 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027414.D
 Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.0
130	60.4	46.1	69.1





#29

Tetrahydrofuran

Concen: 95.384 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

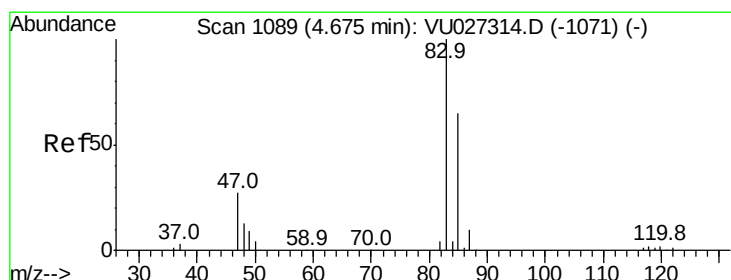
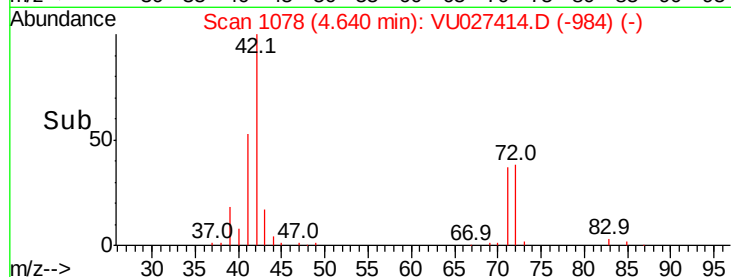
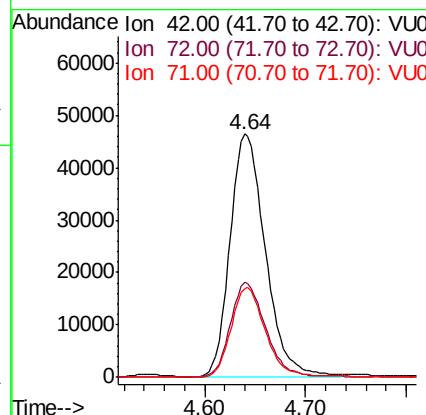
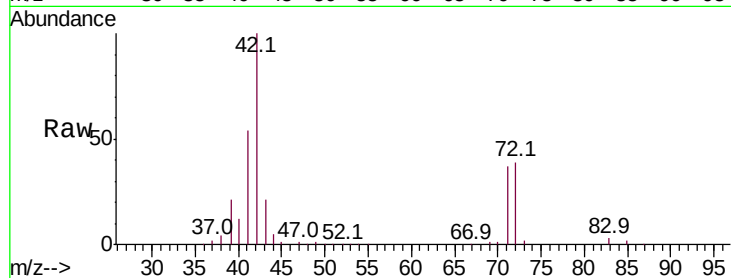
ClientSampleId :

VU1004WBS03

Tot Ion:	42	Resp:	113034
Ion	Ratio	Lower	Upper
42	100		
72	39.3	30.1	45.1
71	36.3	27.7	41.5

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#30

Chloroform

Concen: 19.334 ug/l

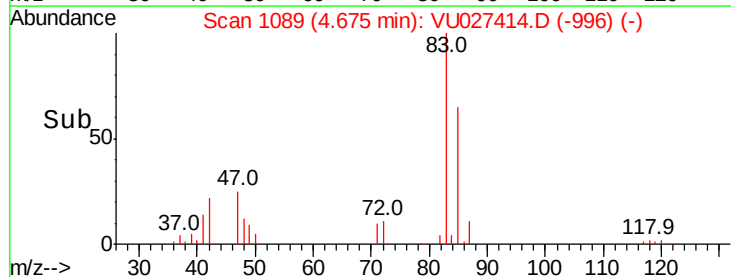
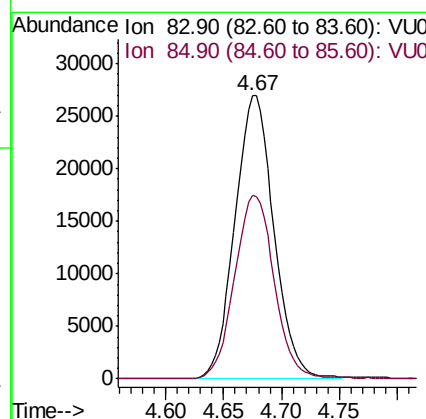
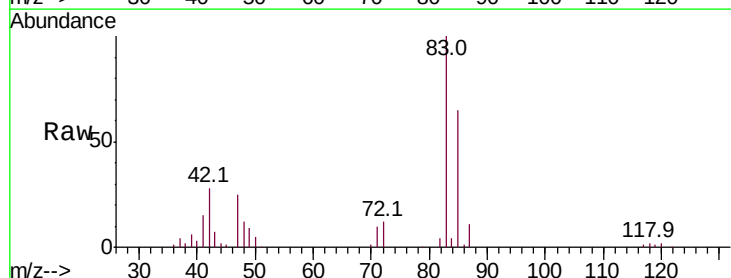
RT: 4.67 min Scan# 1089

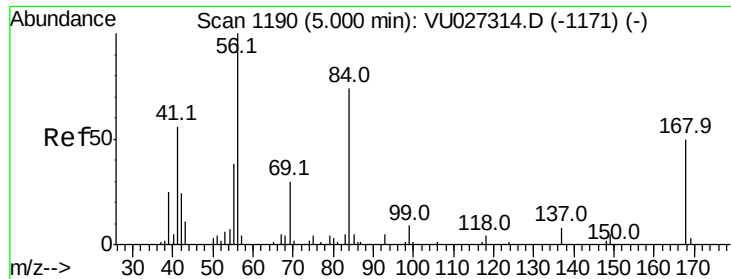
Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Tgt Ion:	83	Resp:	62933
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.6





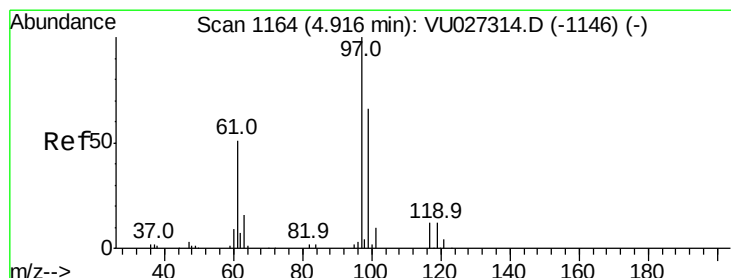
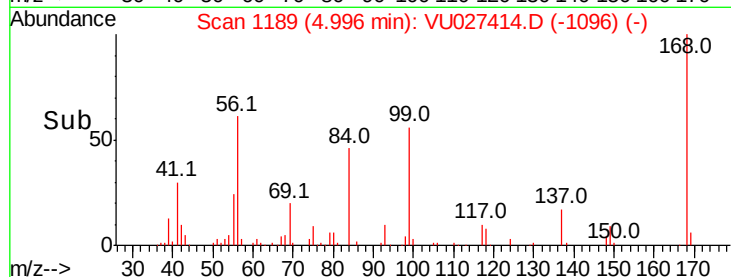
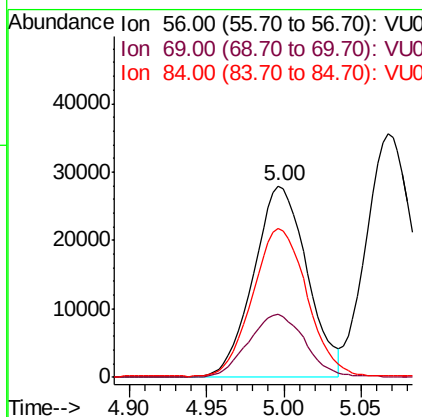
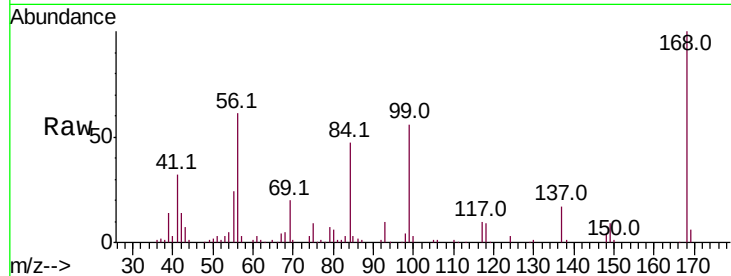
#31
Cyclohexane
Concen: 17.901 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	24.1	36.1
84	77.3	59.1	88.7

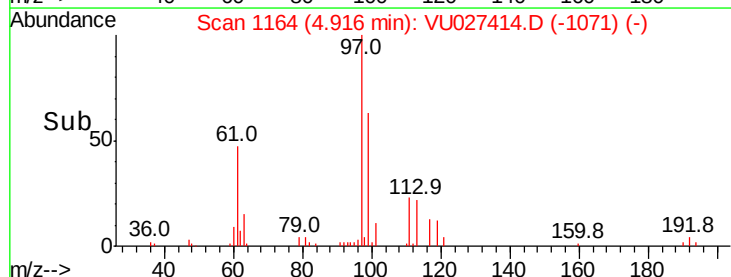
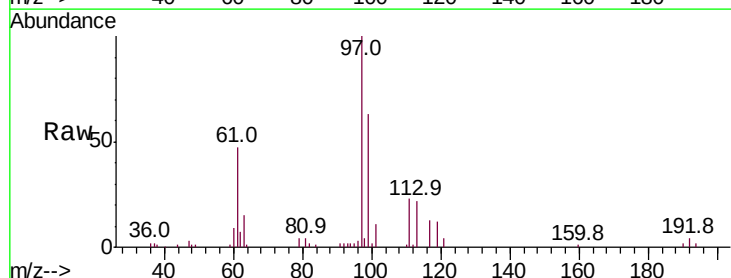
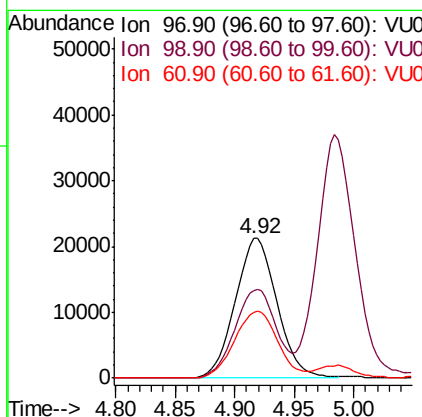
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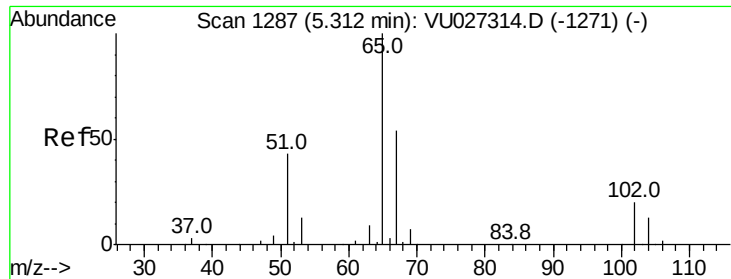
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.852 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.1	76.7
61	49.5	39.6	59.4





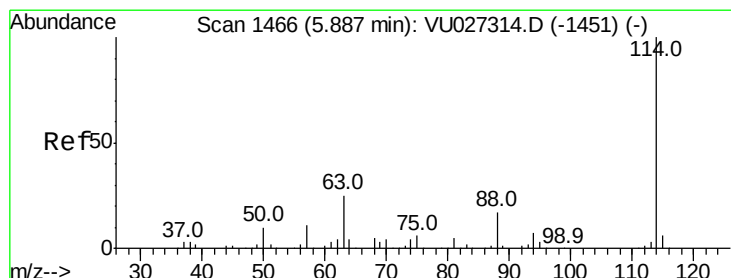
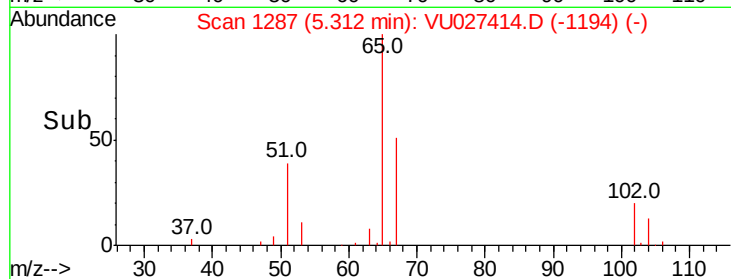
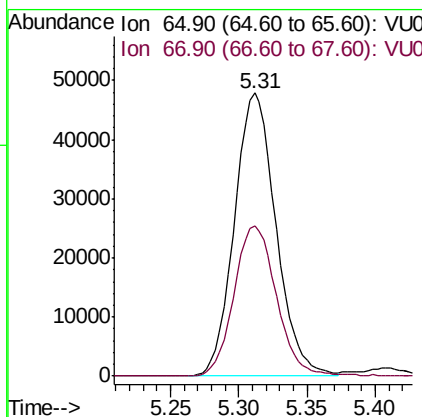
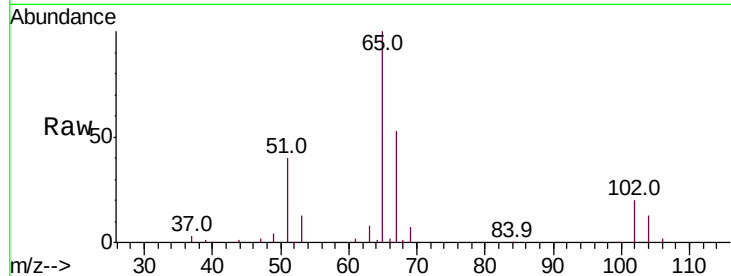
#33
 1,2-Dichloroethane-d4
 Concen: 43.346 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027414.D
 Acq: 04 Oct 2018 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	101175		
67	54.4	0.0	107.8	

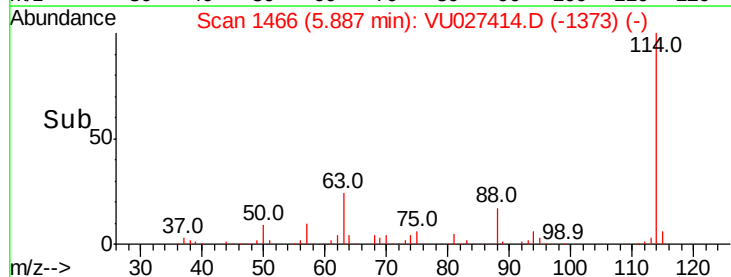
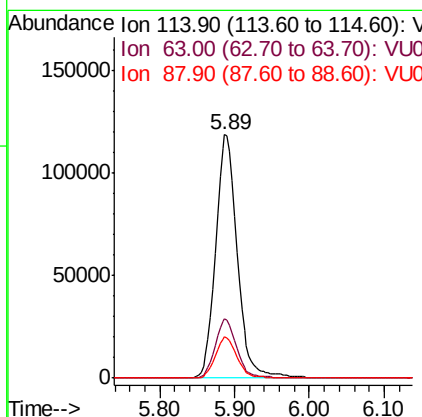
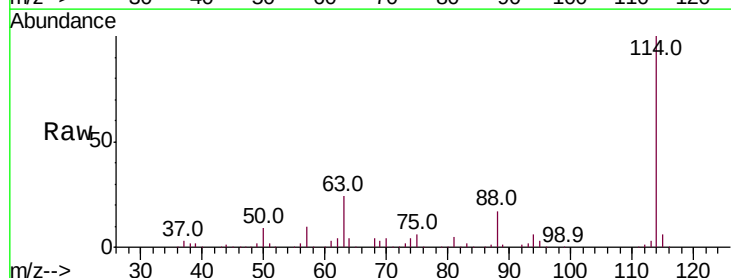
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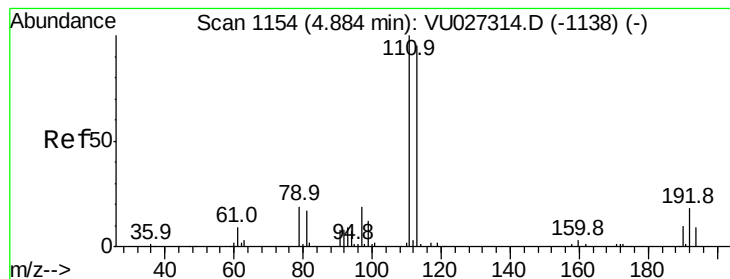
MMDadoda
 10/8/2018 1:52:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027414.D
 Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	238880		
63	24.3	0.0	50.2	
88	16.8	0.0	33.8	





#35

Dibromofluoromethane

Concen: 46.090 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion:113 Resp: 75455

Ion Ratio Lower Upper

113 100

111 101.9 83.1 124.7

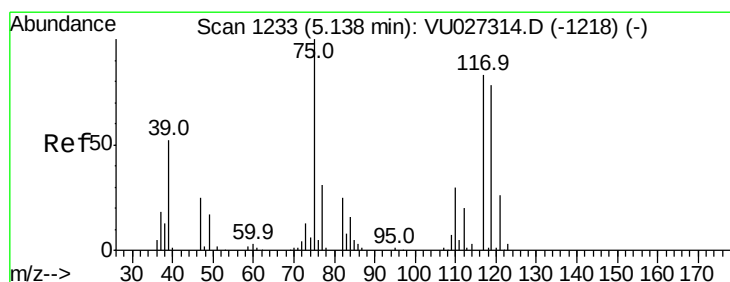
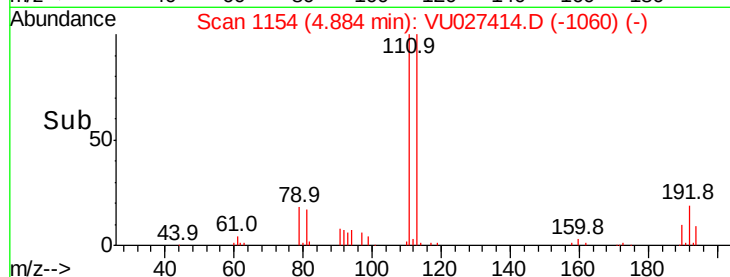
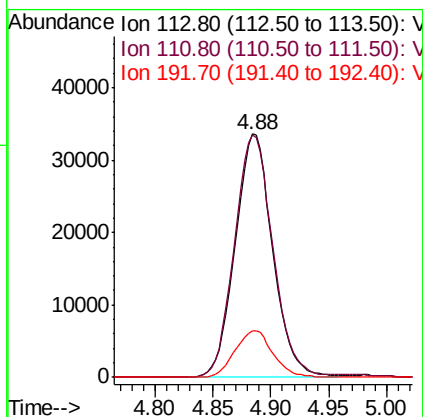
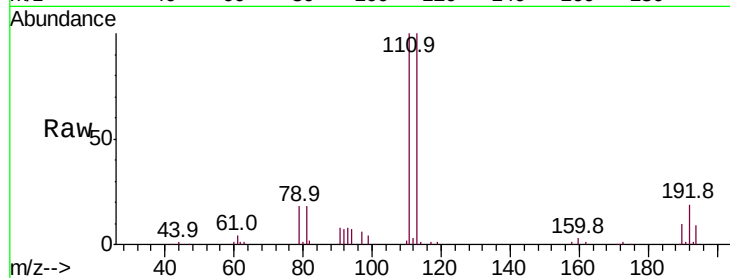
192 19.3 15.4 23.0

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 18.582 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

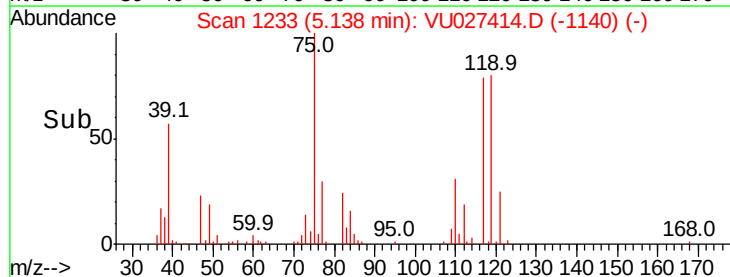
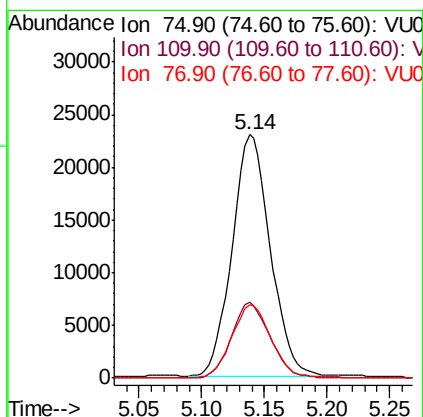
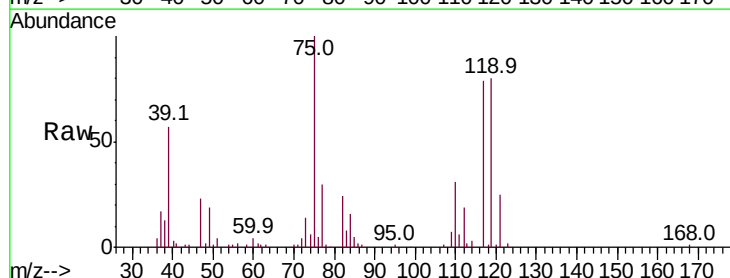
Tgt Ion: 75 Resp: 48196

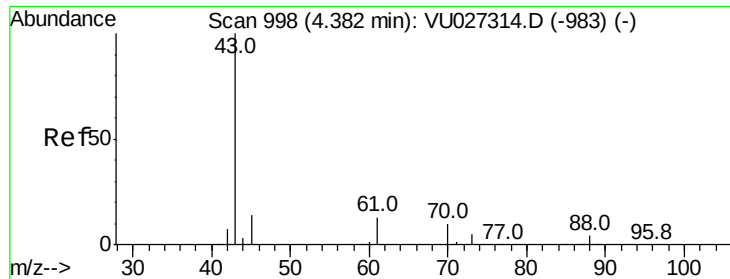
Ion Ratio Lower Upper

75 100

110 31.7 15.5 46.5

77 31.4 25.4 38.0





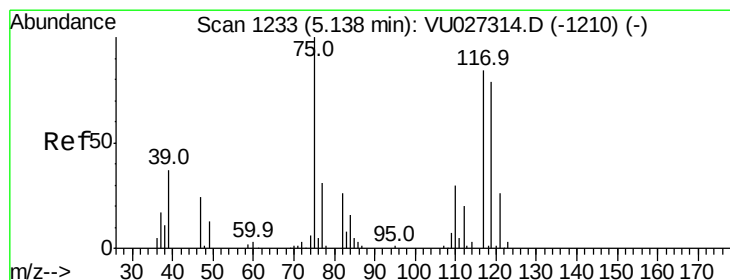
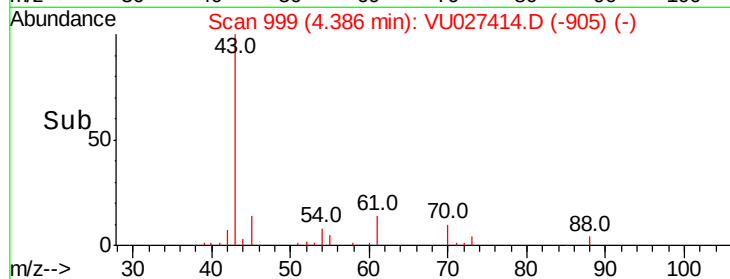
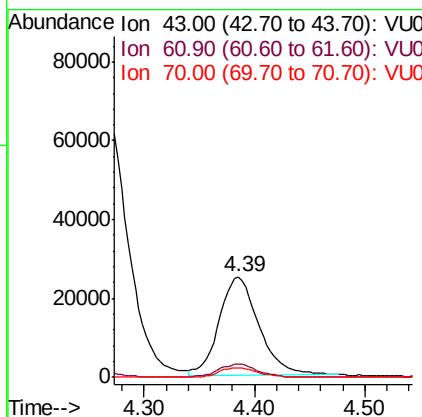
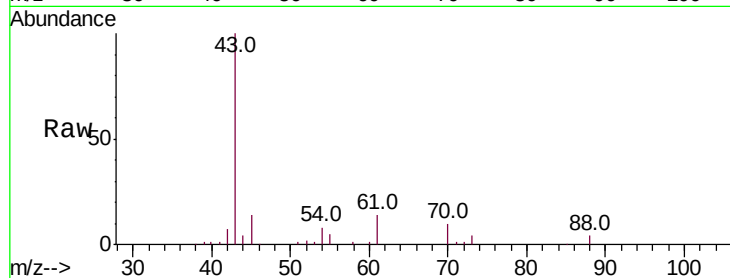
#37
Ethyl Acetate
Concen: 18.812 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.7	16.1
70	9.4	7.4	11.2

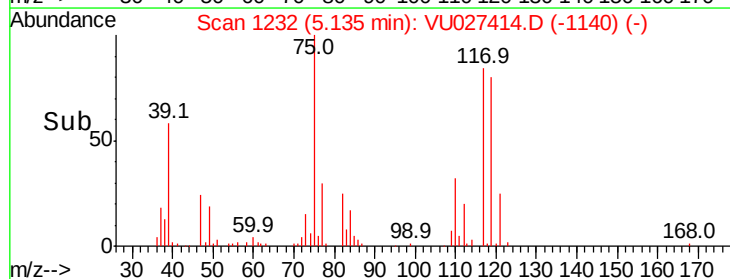
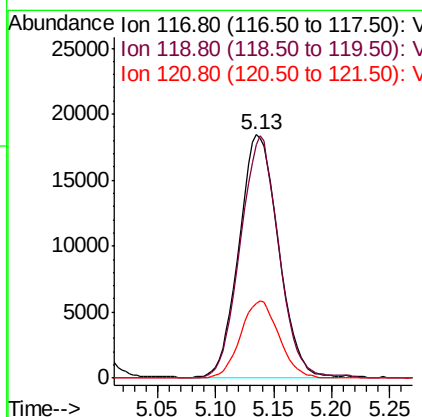
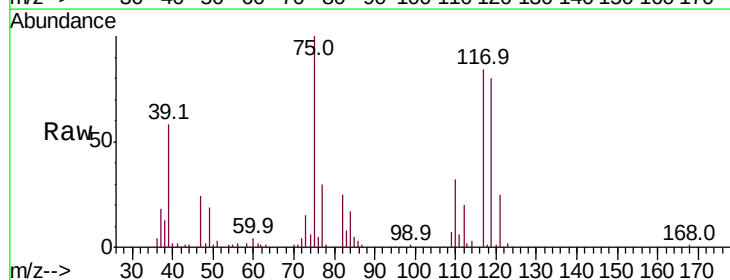
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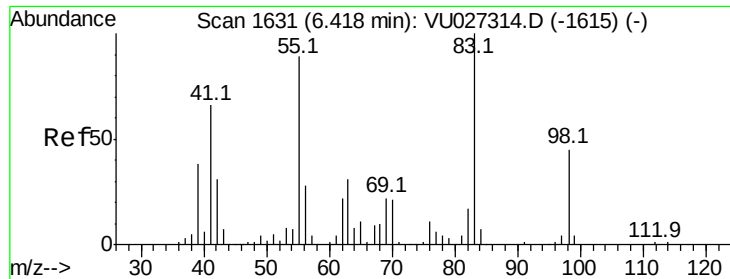
MMDadoda
10/8/2018 1:52:35 PM



#38
Carbon Tetrachloride
Concen: 18.712 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.5	111.7
121	30.5	24.6	37.0





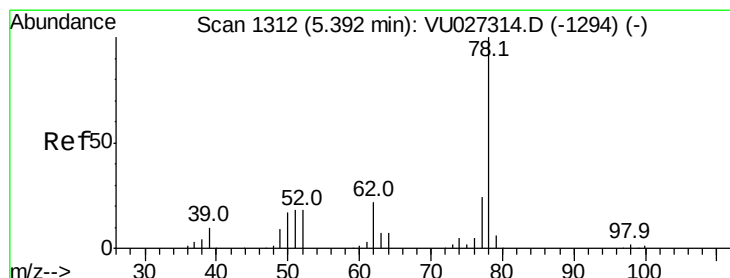
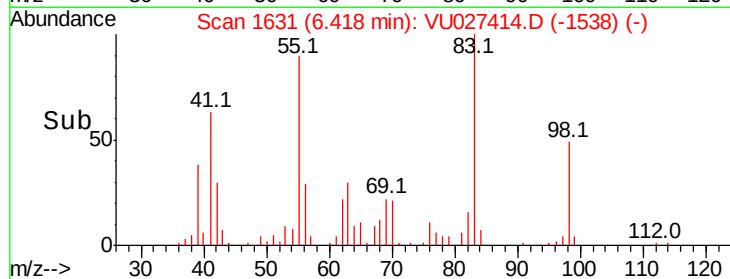
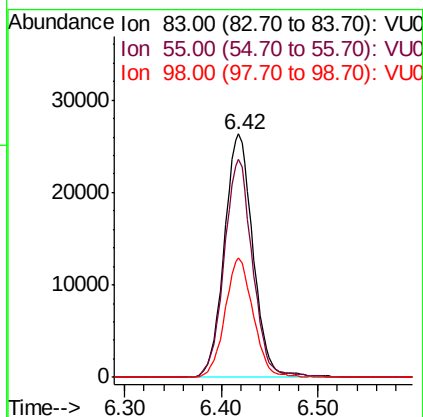
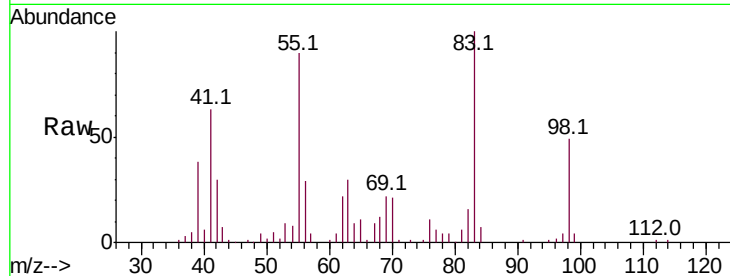
#39
Methylvlcyclohexane
Concen: 17.941 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.6	71.1	106.7
98	49.0	36.3	54.5

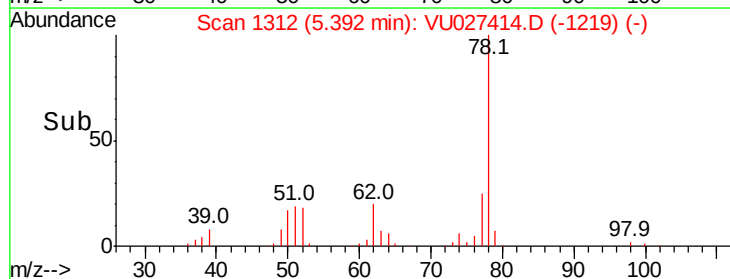
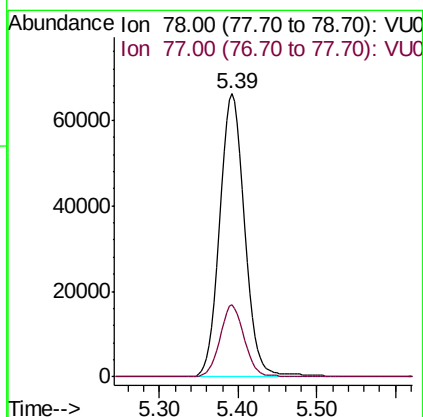
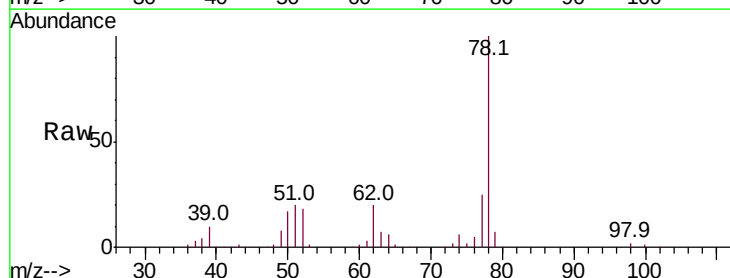
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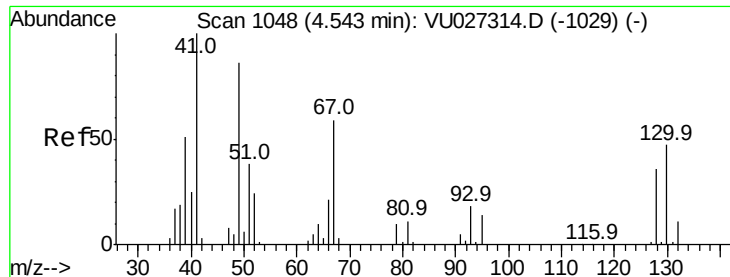
MMDadoda
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#40
Benzene
Concen: 19.220 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.3	28.9





#41

Methacrylonitrile

Concen: 18.664 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion: 41 Resp: 35362

Ion Ratio Lower Upper

41 100

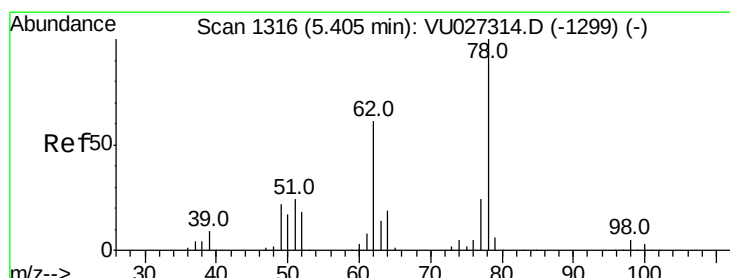
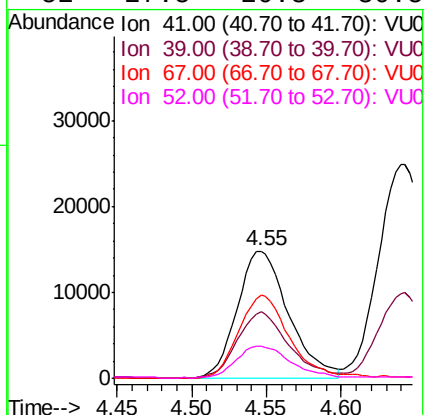
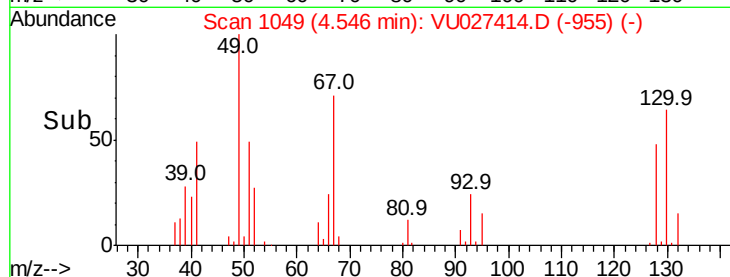
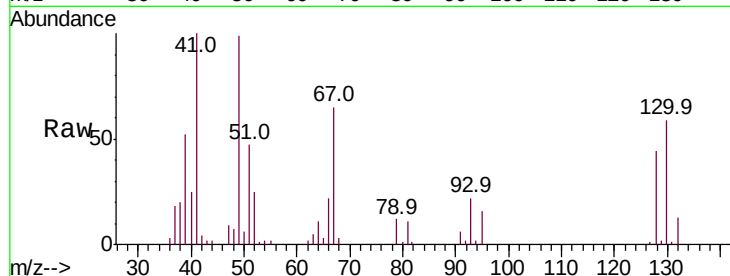
39 52.8 41.1 61.7

67 64.8 50.4 75.6

52 27.5 20.3 30.5

Manual Integrations
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10/8/2018 1:52:35 PM



#42

1,2-Dichloroethane

Concen: 18.694 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU027414.D

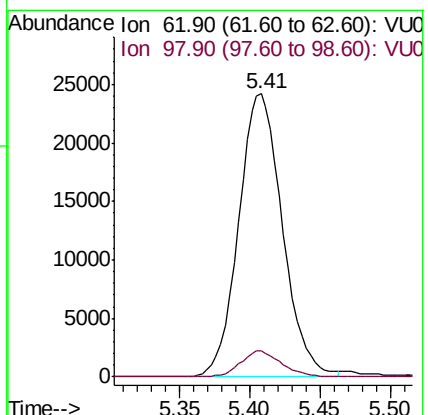
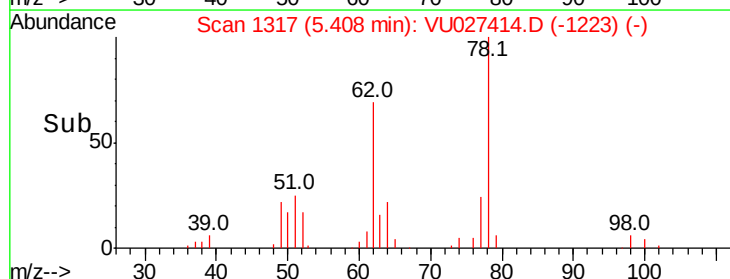
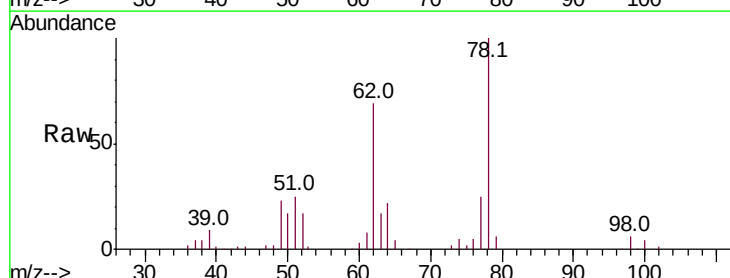
Acq: 04 Oct 2018 17:40

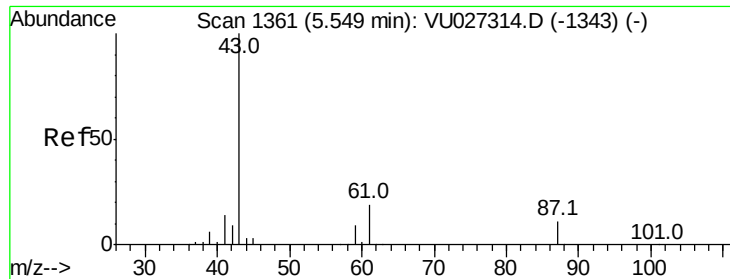
Tgt Ion: 62 Resp: 52425

Ion Ratio Lower Upper

62 100

98 8.5 0.0 16.8





#43

Isopropyl Acetate

Concen: 19.383 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

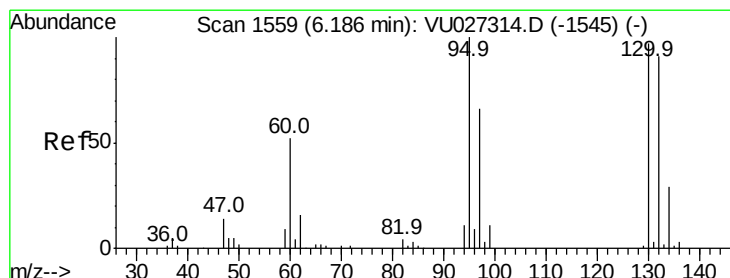
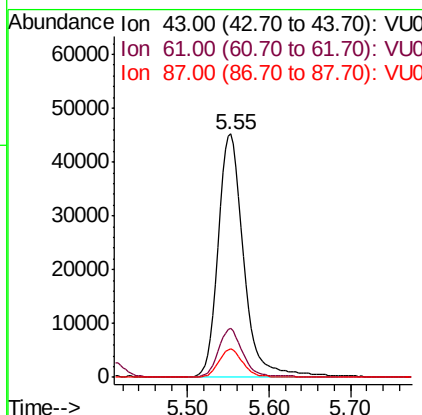
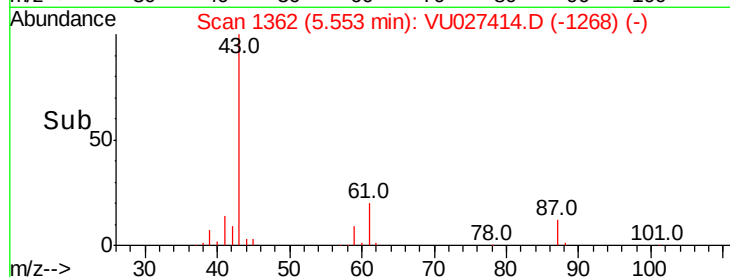
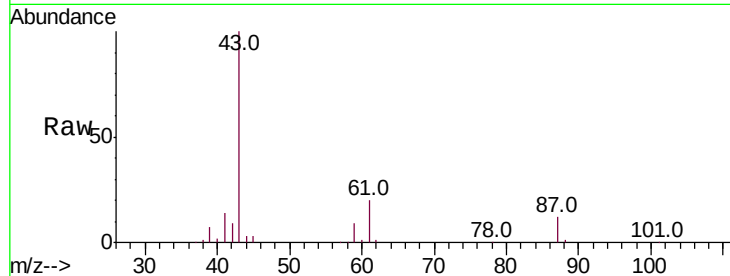
ClientSampleId :

VU1004WBS03

Tot Ion:	43	Resp:	100910
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.3	22.9
87	11.0	8.6	13.0

Manual Integrations
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10/8/2018 1:52:35 PM



#44

Trichloroethene

Concen: 19.590 ug/l

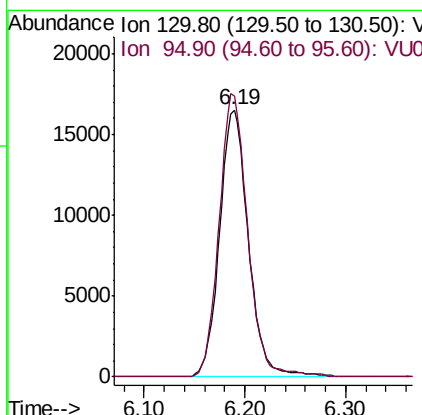
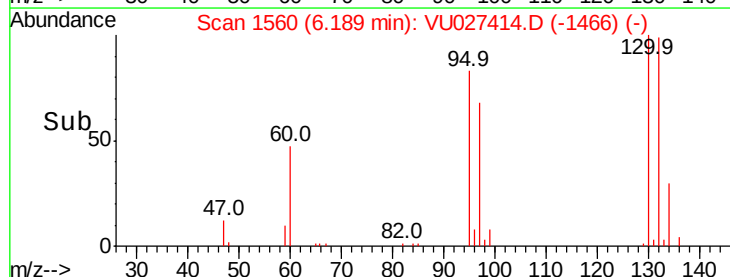
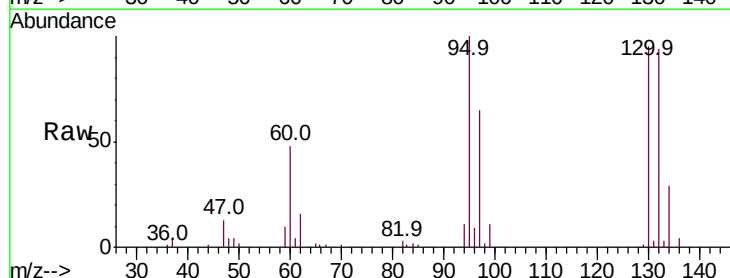
RT: 6.19 min Scan# 1560

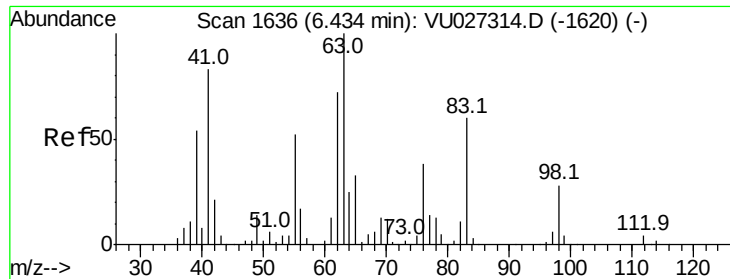
Delta R.T. 0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Tgt Ion:	130	Resp:	33002
Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	207.0





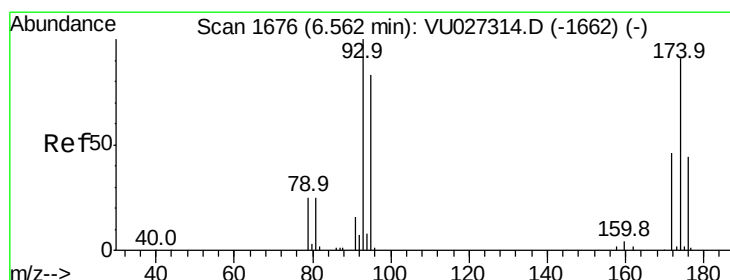
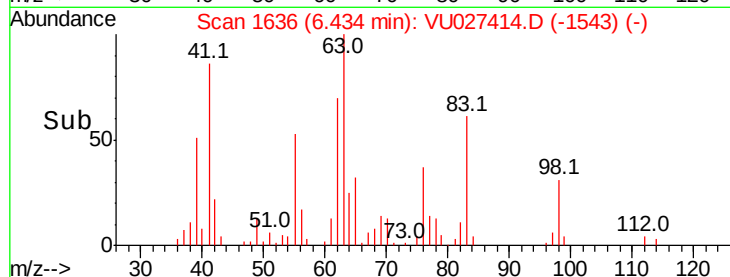
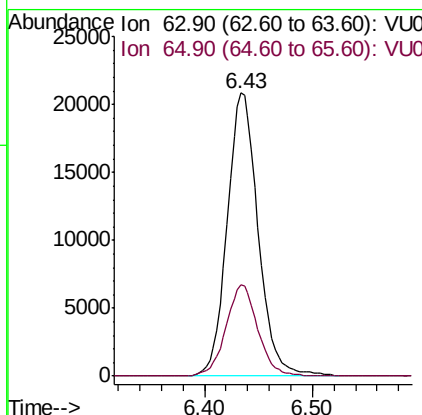
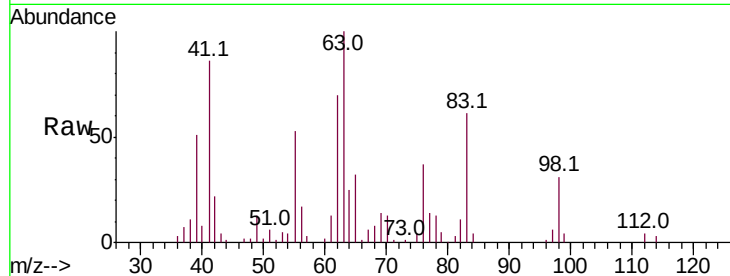
#45
 1,2-Dichloropropane
 Concen: 19.154 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027414.D
 Acq: 04 Oct 2018 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS03

Tot Ion: 63 Resp: 41739
 Ion Ratio Lower Upper
 63 100
 65 32.1 26.0 39.0

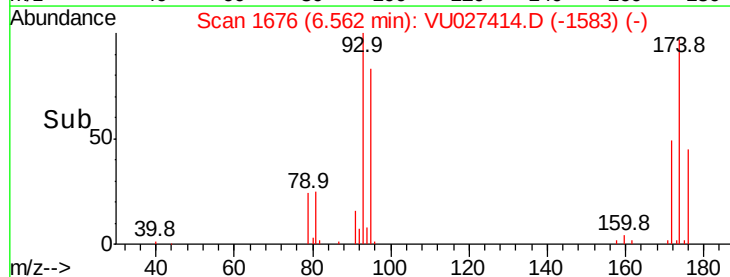
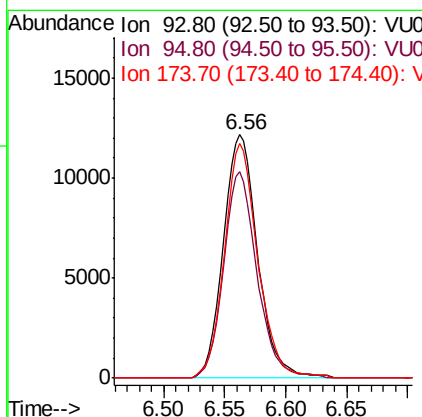
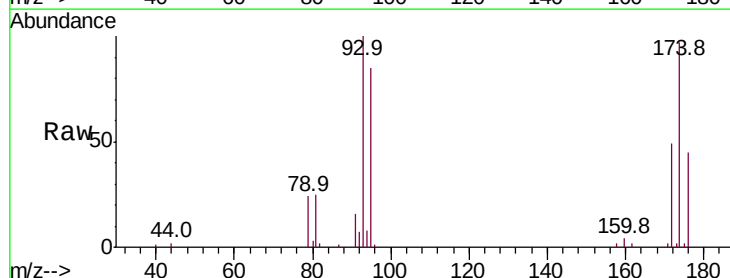
Manual Integrations
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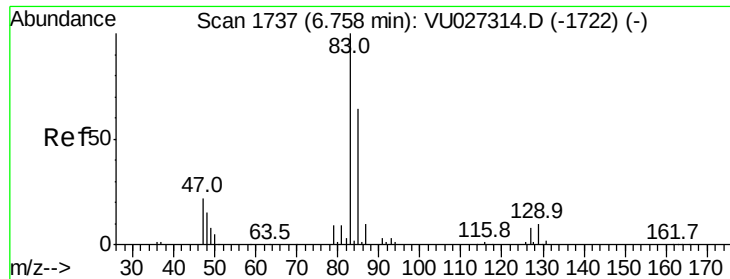
MMDadoda
 10/8/2018 1:52:35 PM



#46
 Dibromomethane
 Concen: 19.412 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU027414.D
 Acq: 04 Oct 2018 17:40

Tgt Ion: 93 Resp: 23891
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.5 99.7
 174 93.8 72.5 108.7





#47

Bromodichloromethane

Concen: 18.674 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

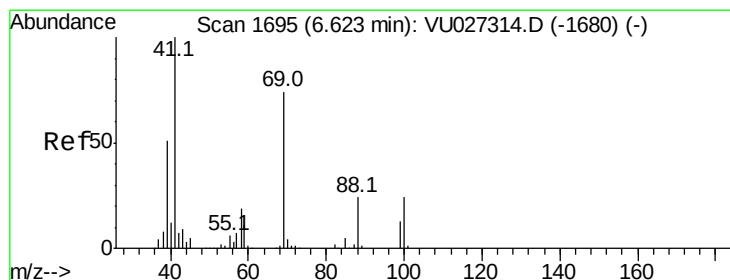
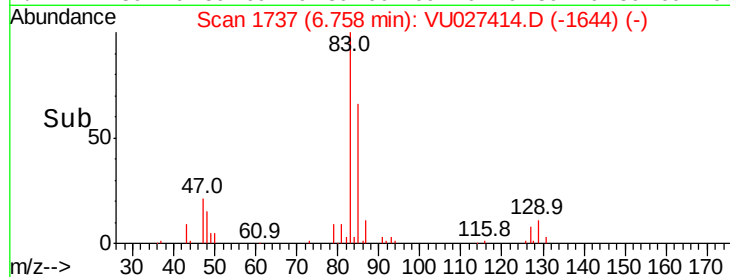
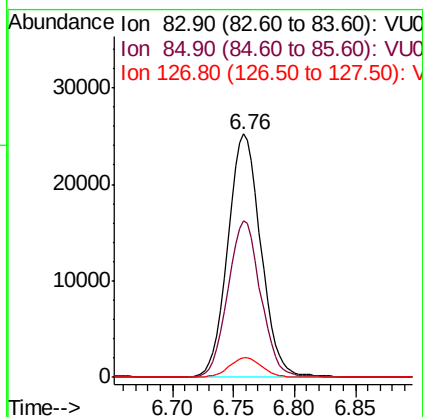
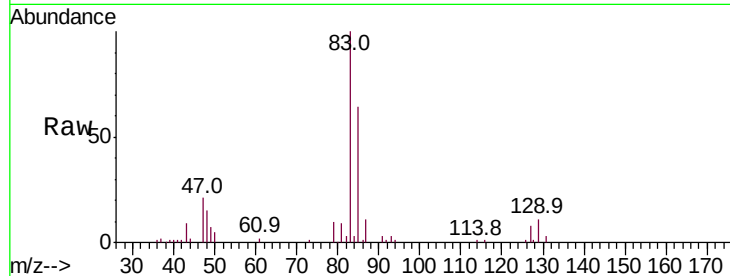
ClientSampleId :

VU1004WBS03

Tot Ion:	83	Resp:	47690
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.0
127	8.2	6.3	9.5

Manual Integrations
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10/8/2018 1:52:35 PM



#48

Methyl methacrylate

Concen: 18.863 ug/l

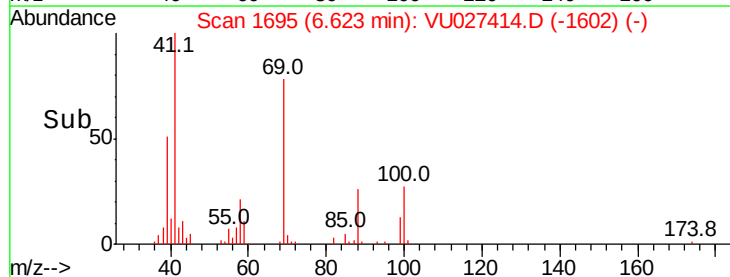
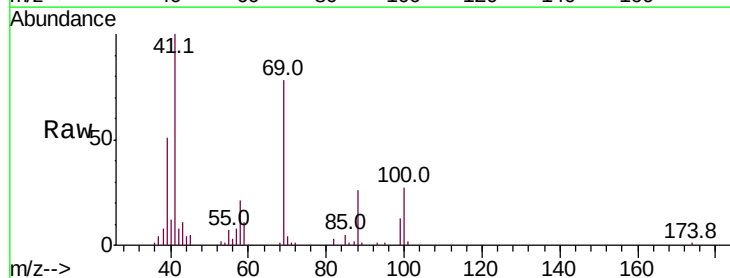
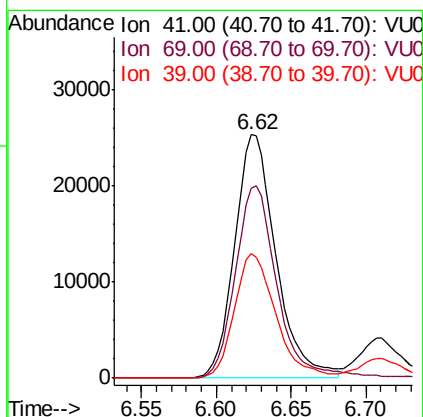
RT: 6.62 min Scan# 1695

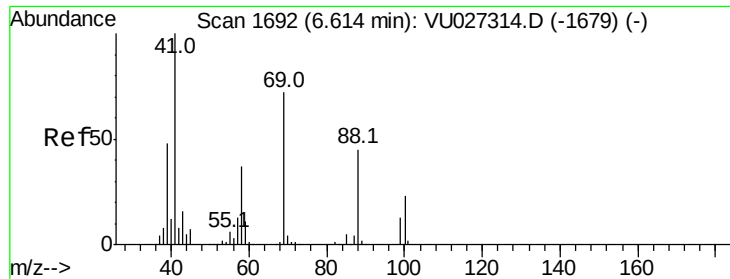
Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Tgt Ion:	41	Resp:	48836
Ion	Ratio	Lower	Upper
41	100		
69	79.5	61.0	91.4
39	50.9	39.9	59.9





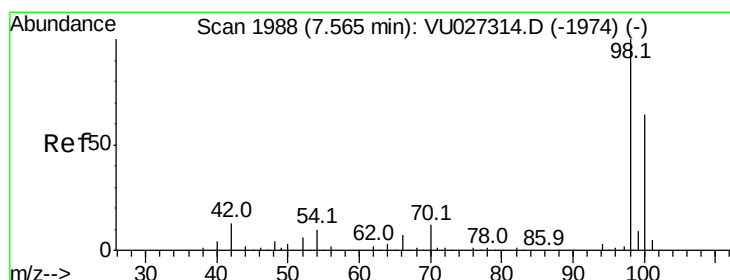
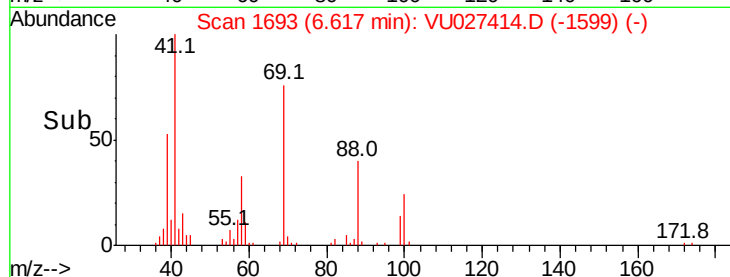
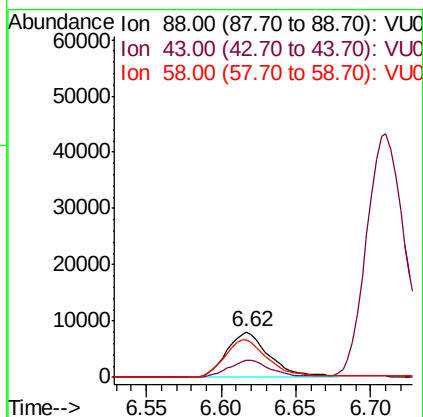
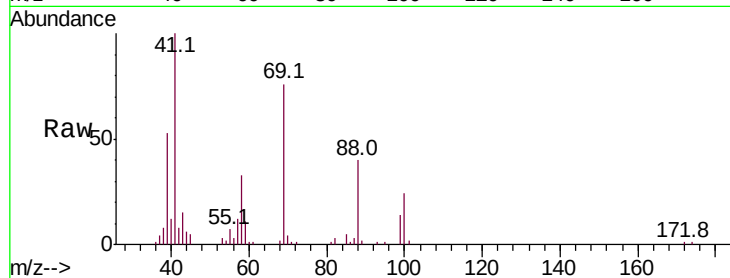
#49
1,4-Dioxane
Concen: 360.422 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	30.8	46.2
58	84.7	67.0	100.6

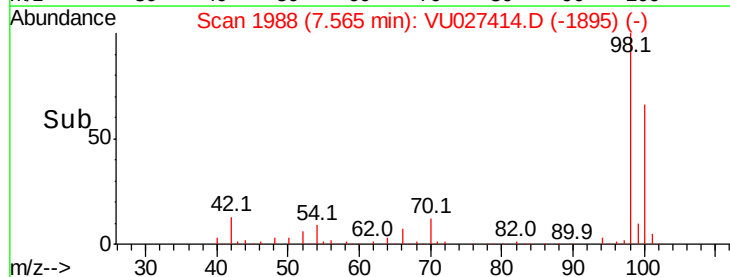
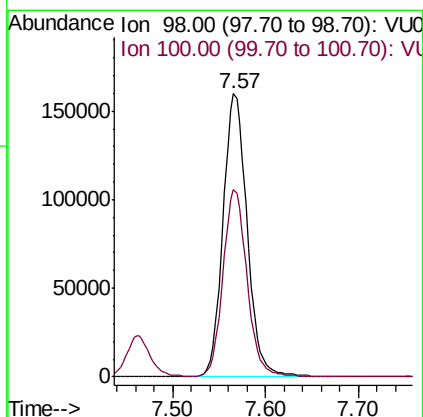
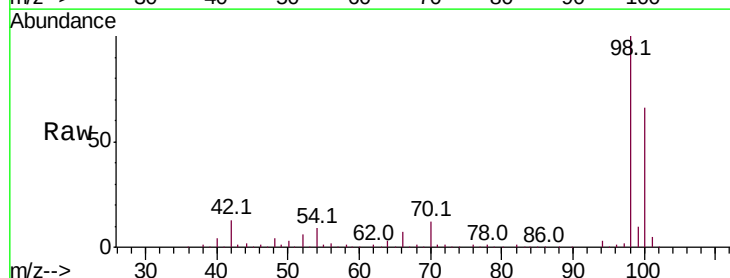
Manual Integrations
APPROVED

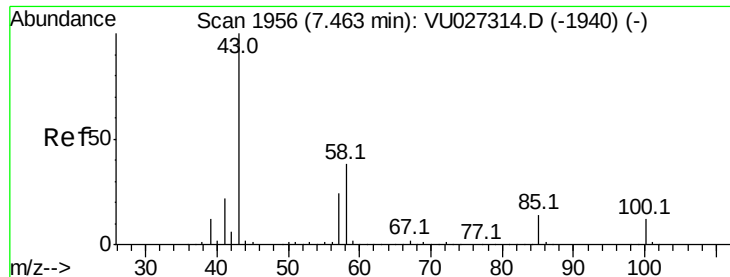
MMDadoda
10/8/2018 1:52:35 PM



#50
Toluene-d8
Concen: 47.098 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 95.257 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion: 43 Resp: 322256

Ion Ratio Lower Upper

43 100

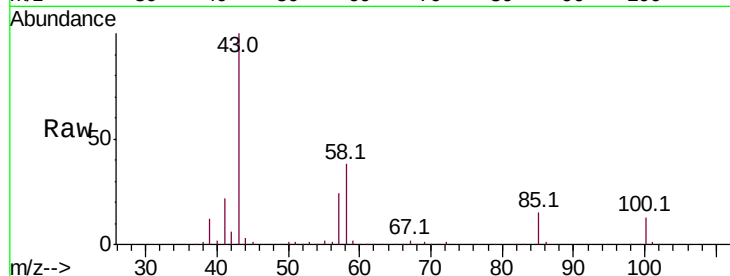
58 38.0 29.8 44.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

200000

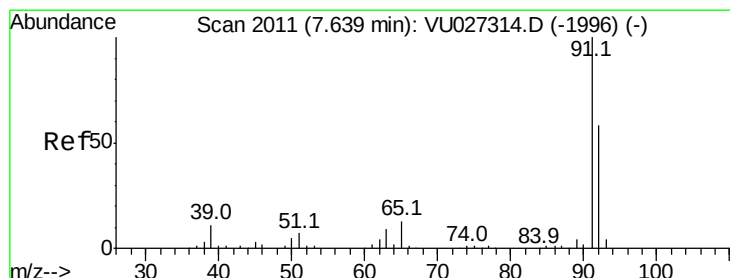
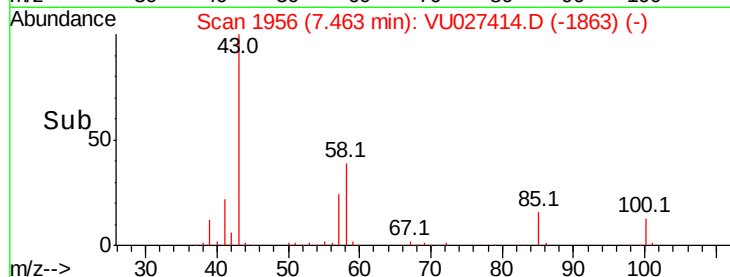
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.391 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027414.D

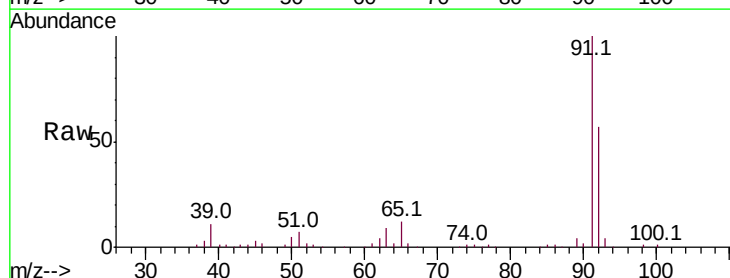
Acq: 04 Oct 2018 17:40

Tgt Ion: 92 Resp: 86713

Ion Ratio Lower Upper

92 100

91 173.2 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

100000

80000

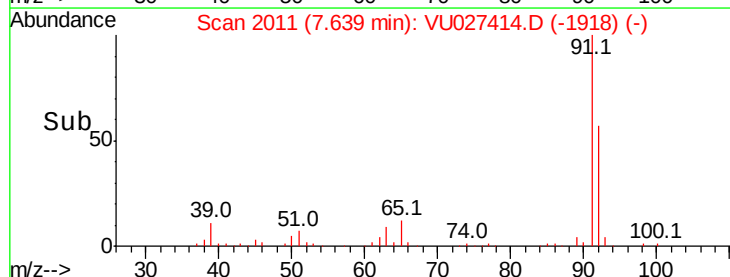
60000

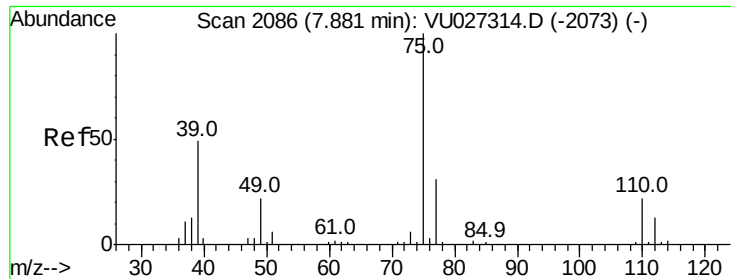
40000

20000

0

Time-->





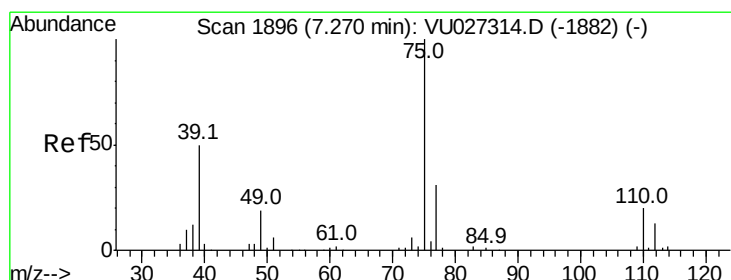
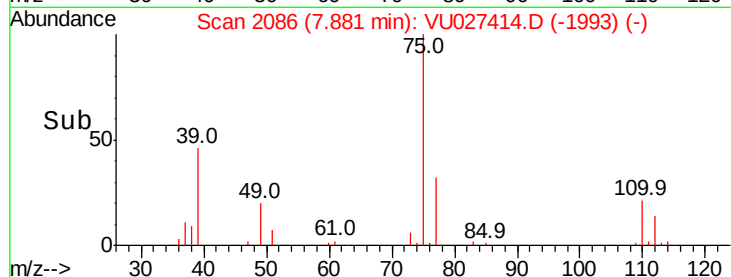
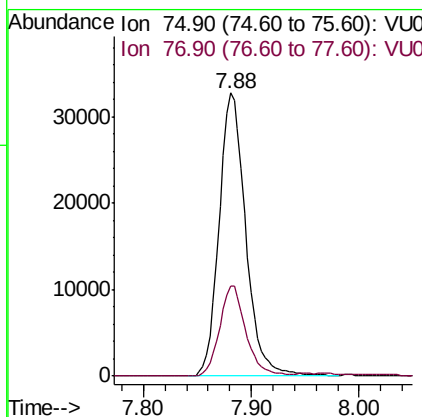
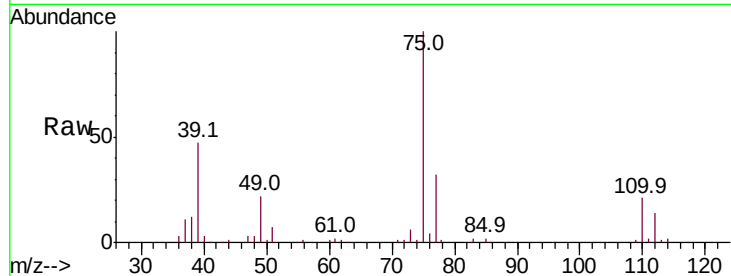
#53
t-1,3-Dichloropropene
Concen: 18.760 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion: 75 Resp: 56174
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.6

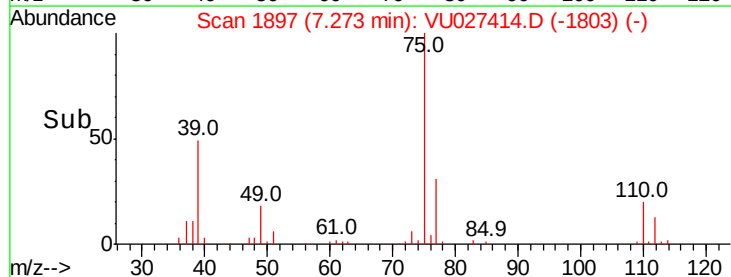
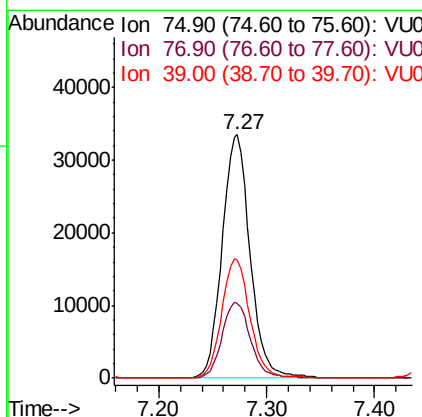
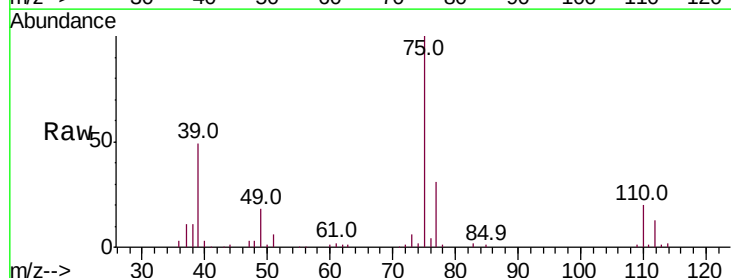
Manual Integrations
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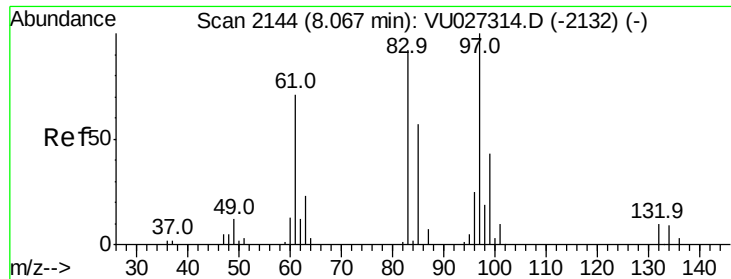
MMDadoda
10/8/2018 1:52:35 PM



#54
cis-1,3-Dichloropropene
Concen: 18.723 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion: 75 Resp: 60269
Ion Ratio Lower Upper
75 100
77 30.8 24.5 36.7
39 48.5 40.1 60.1





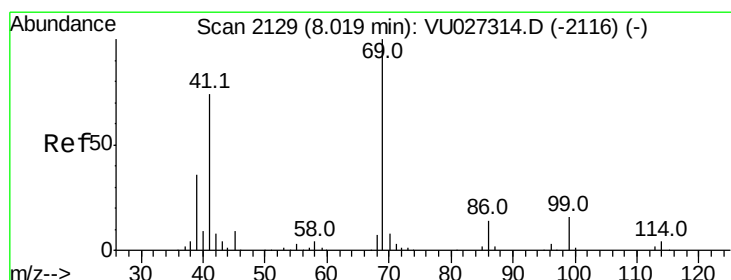
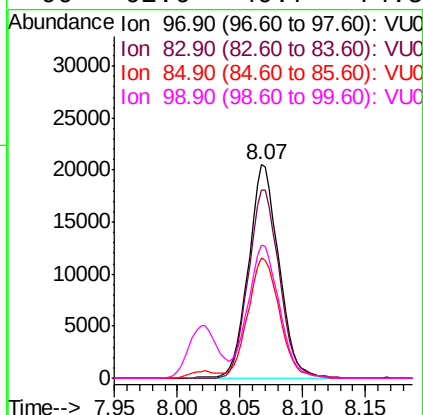
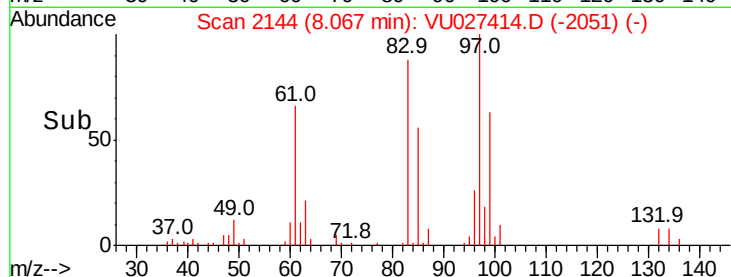
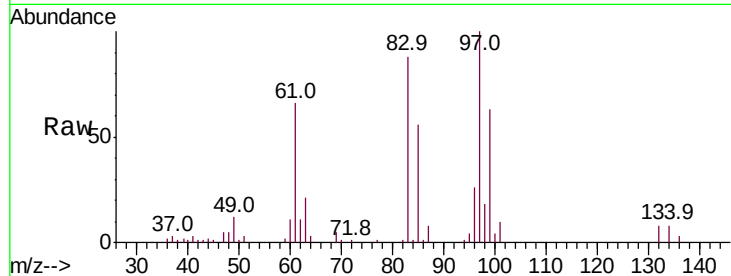
#55
1,1,2-Trichloroethane
Concen: 19.581 ug/l
RT: 8.07 min Scan# 2144
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion	97	Resp	34717
Ion	Ratio	Lower	Upper
97	100		
83	88.2	73.0	109.6
85	56.1	47.3	70.9
99	62.6	49.7	74.5

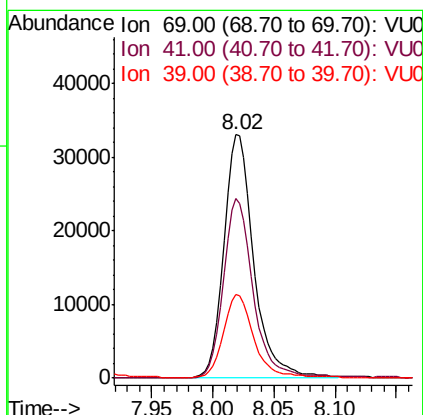
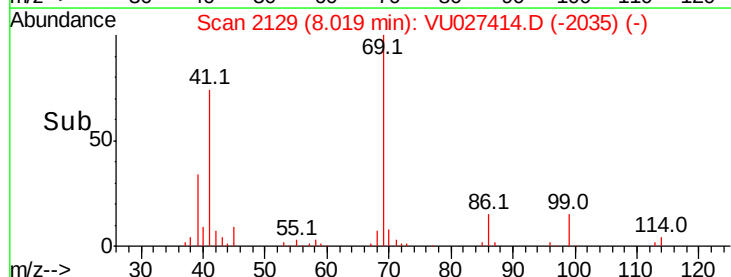
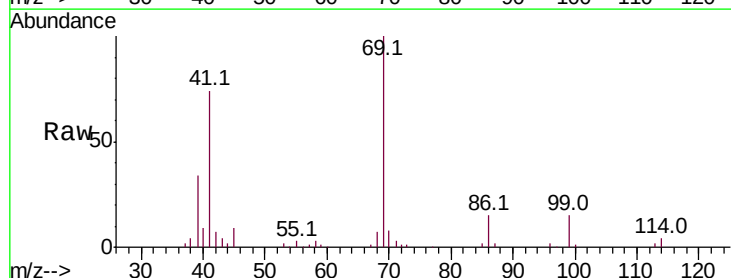
Manual Integrations
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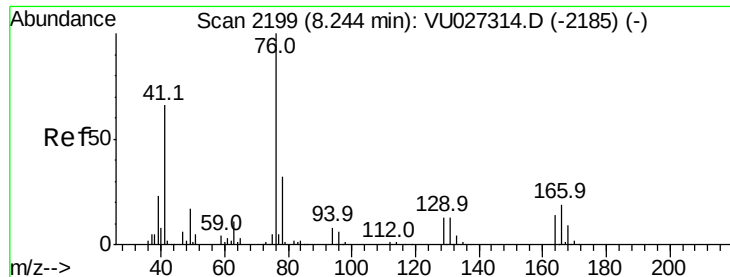
MMDadoda
10/8/2018 1:52:35 PM



#56
Ethyl methacrylate
Concen: 18.331 ug/l
RT: 8.02 min Scan# 2129
Delta R.T. 0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion	69	Resp	57120
Ion	Ratio	Lower	Upper
69	100		
41	73.3	60.0	90.0
39	35.7	29.5	44.3





#57

1,3-Dichloropropane

Concen: 19.187 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion: 76 Resp: 66041

Ion Ratio Lower Upper

76 100

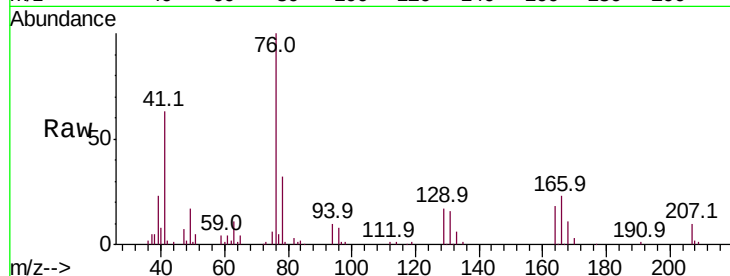
78 32.3 25.8 38.6

Manual Integrations

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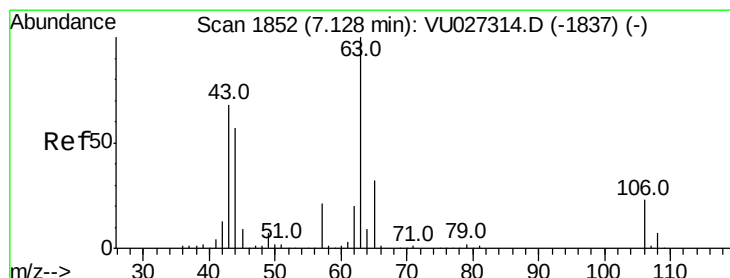
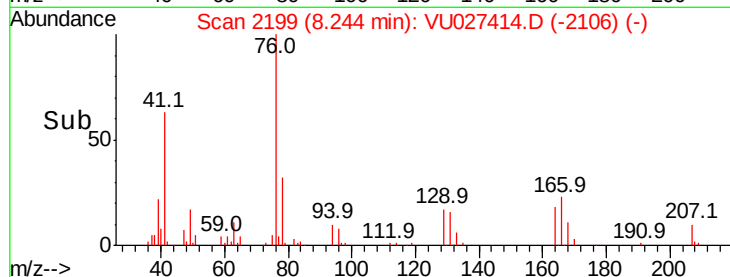
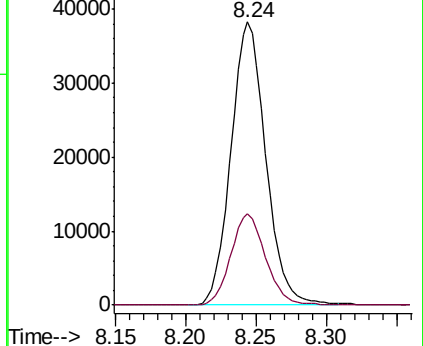
MMDadoda

10/8/2018 1:52:35 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 90.206 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU027414.D

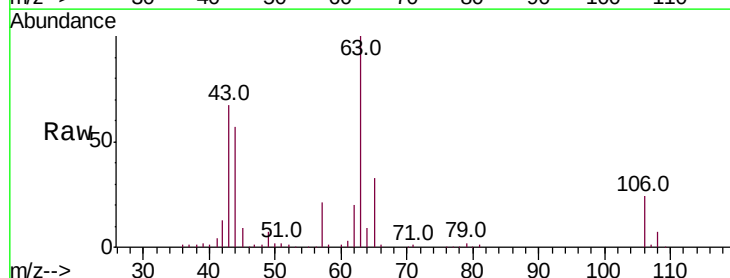
Acq: 04 Oct 2018 17:40

Tgt Ion: 63 Resp: 158052

Ion Ratio Lower Upper

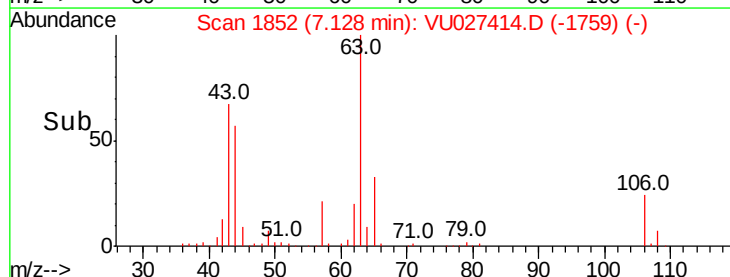
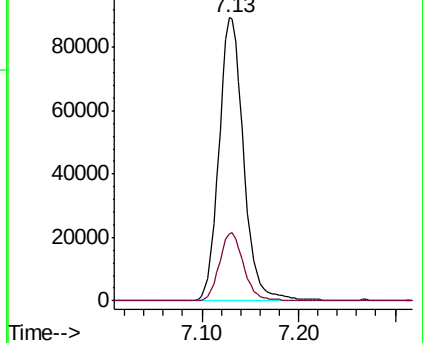
63 100

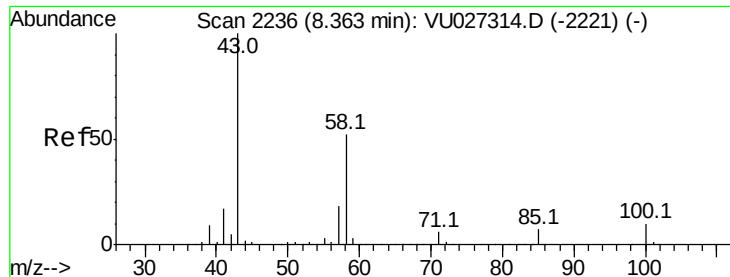
106 23.8 18.5 27.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





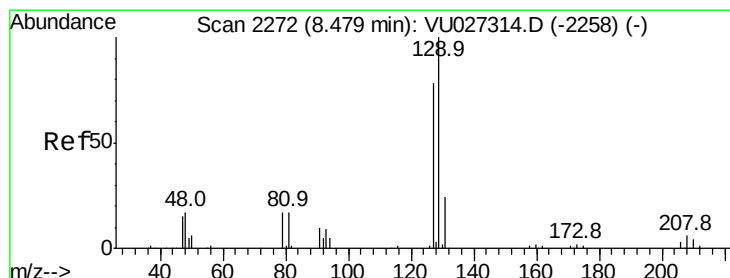
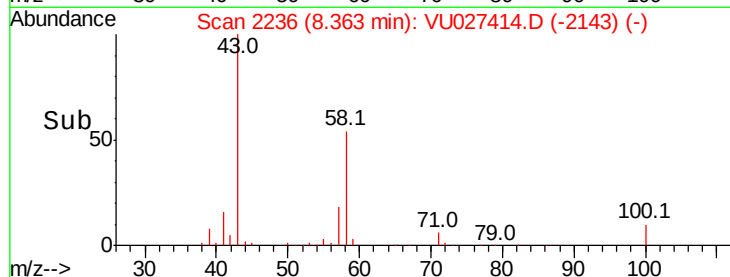
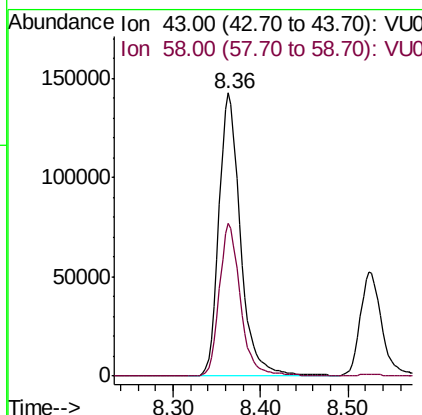
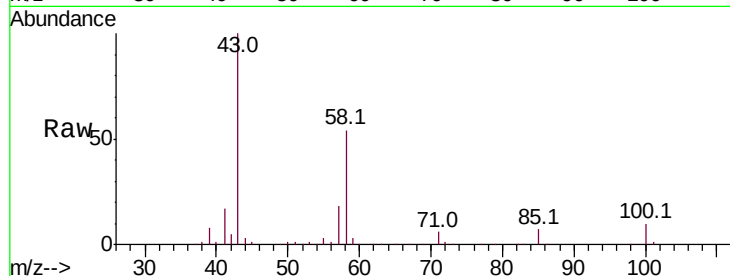
#59
2-Hexanone
Concen: 93.423 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion: 43 Resp: 245168
Ion Ratio Lower Upper
43 100
58 53.1 26.1 78.3

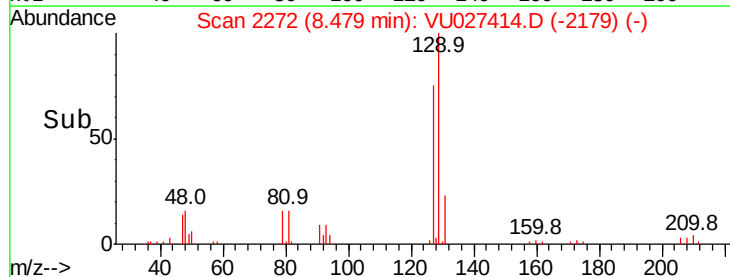
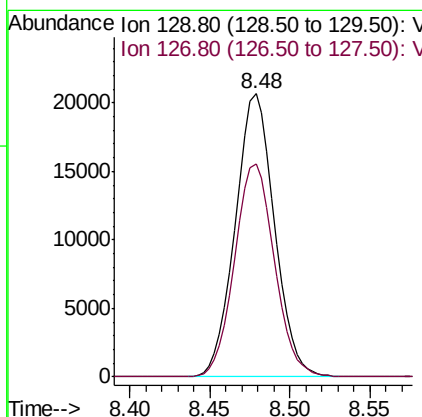
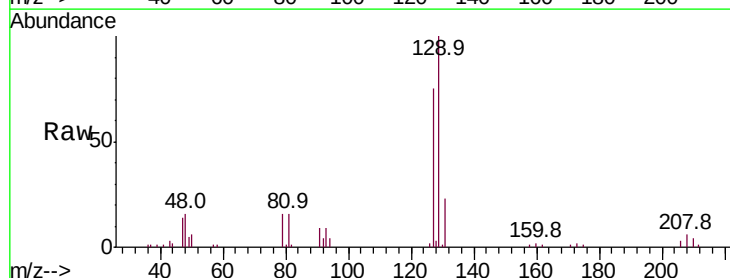
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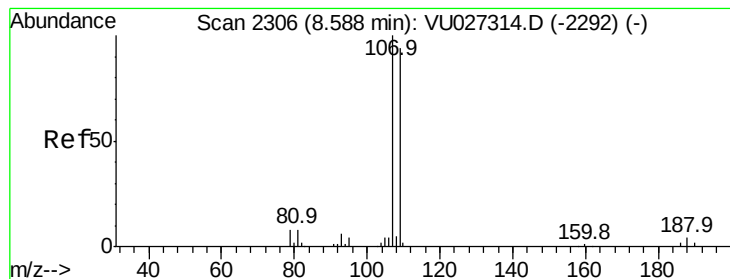
MMDadoda
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#60
Dibromochloromethane
Concen: 19.414 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion: 129 Resp: 34522
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.310 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion:107 Resp: 36401

Ion Ratio Lower Upper

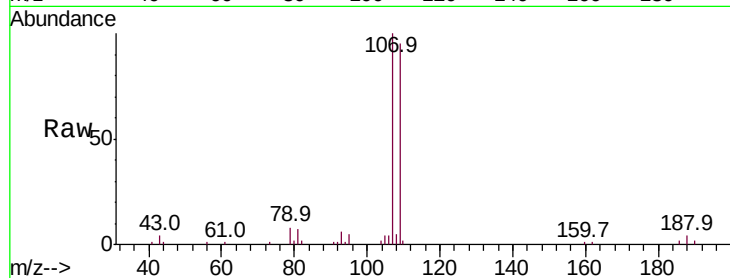
107 100

109 94.2 74.5 111.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

20000

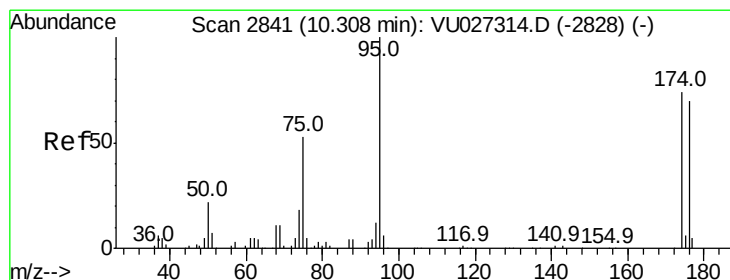
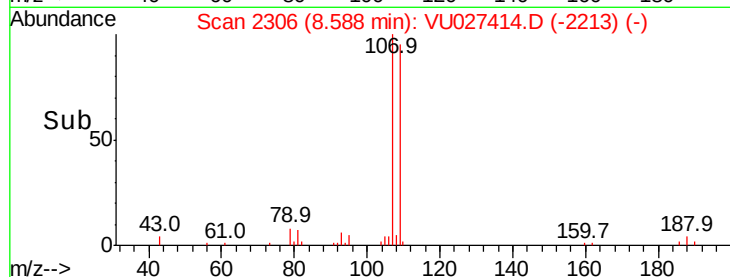
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.993 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

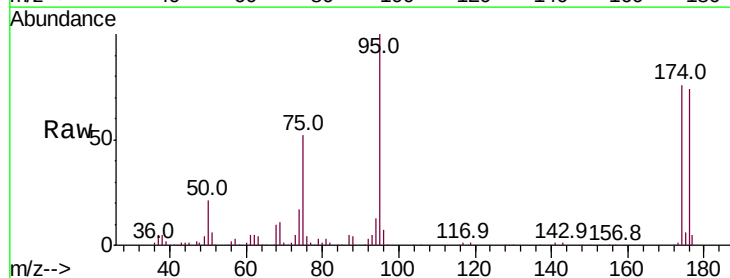
Tgt Ion: 95 Resp: 107009

Ion Ratio Lower Upper

95 100

174 75.1 0.0 147.8

176 74.0 0.0 140.8



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

10.31

80000

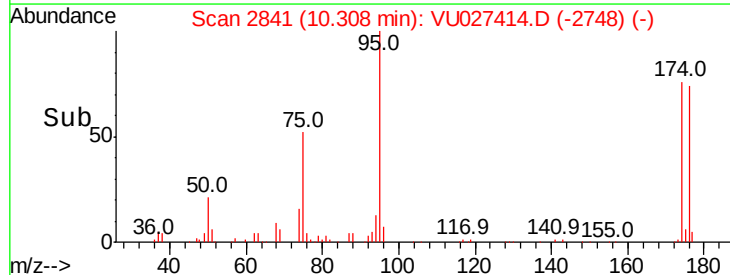
60000

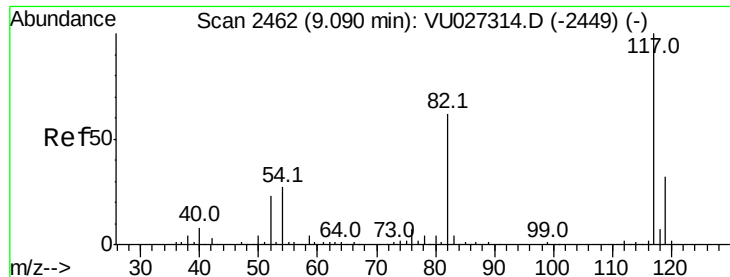
40000

20000

0

Time-->





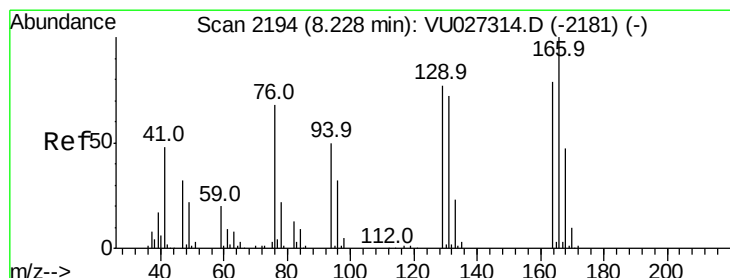
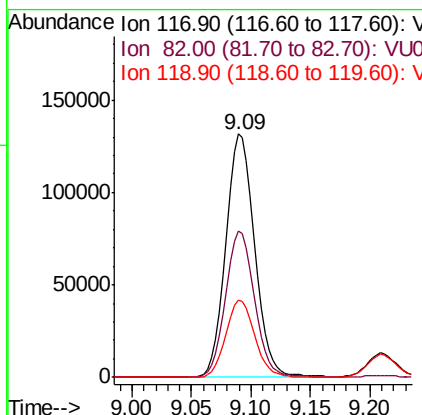
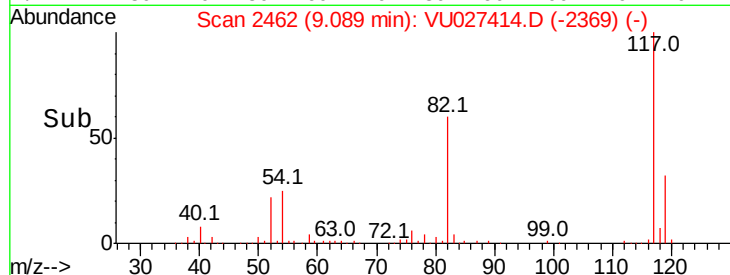
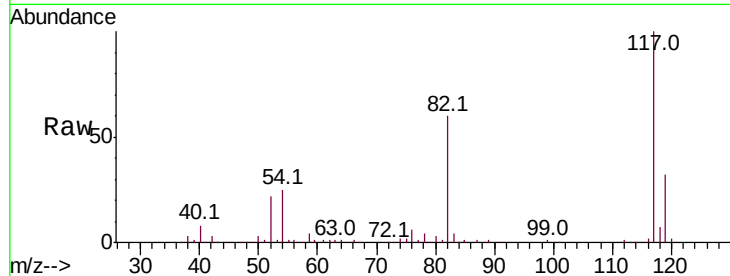
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion:	117	Resp:	221900
Ion Ratio	Lower	Upper	
117	100		
82	60.1	49.2	73.8
119	31.8	25.7	38.5

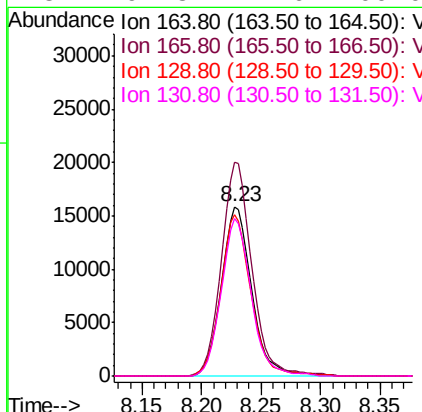
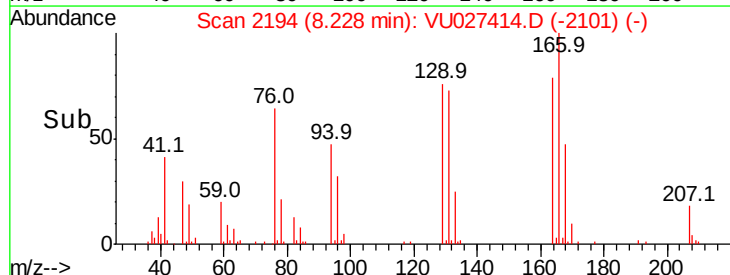
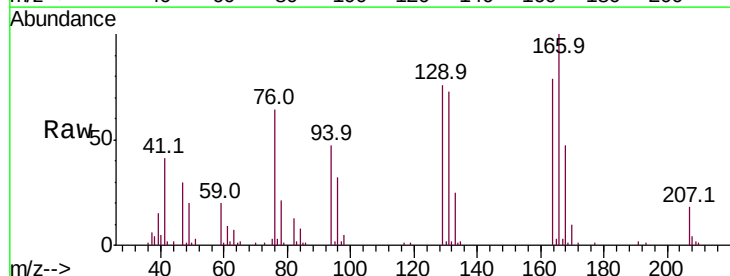
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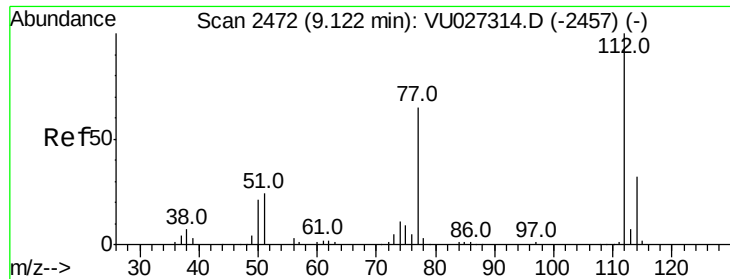
MMDadoda
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#64
Tetrachloroethene
Concen: 20.285 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion:	164	Resp:	28021
Ion Ratio	Lower	Upper	
164	100		
166	126.3	101.0	151.6
129	95.8	78.0	117.0
131	92.8	72.6	109.0





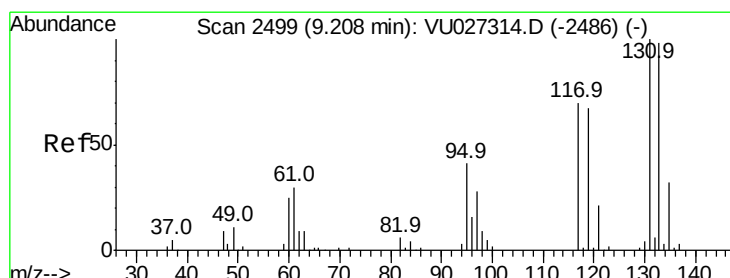
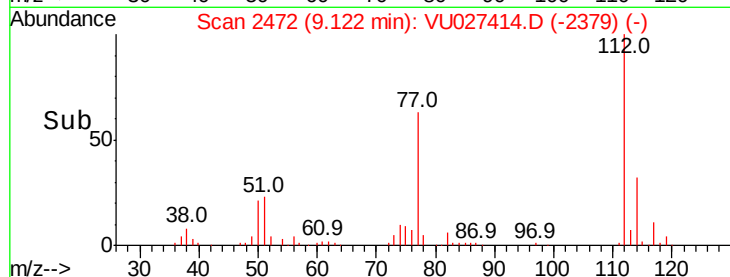
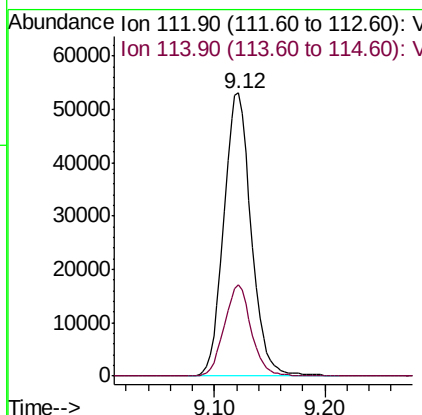
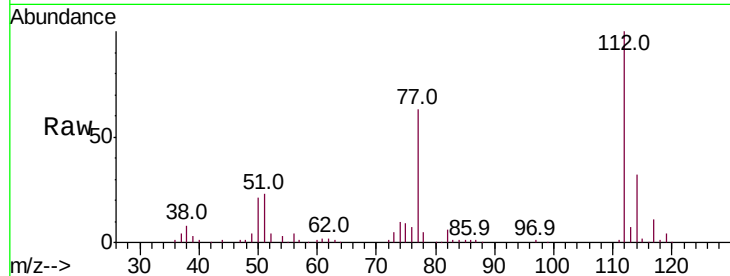
#65
Chlorobenzene
Concen: 19.592 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion:112 Resp: 91510
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

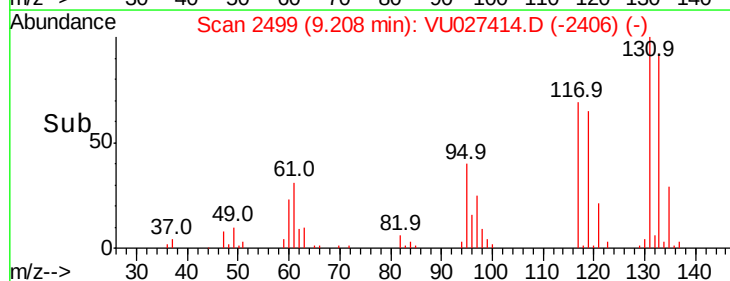
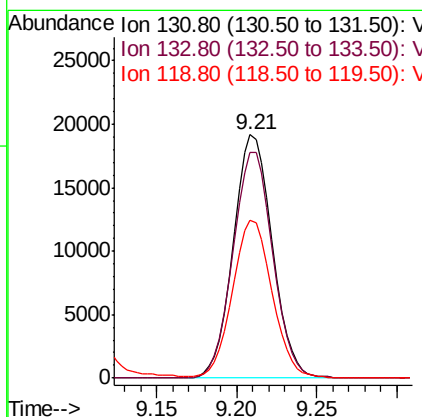
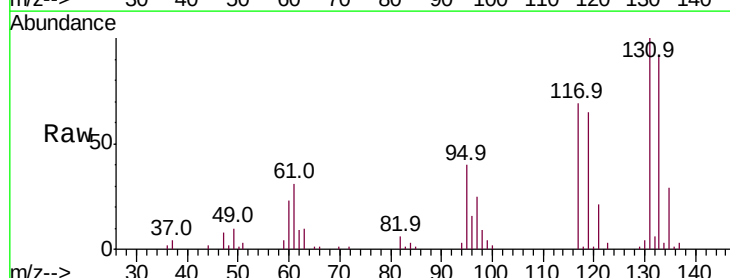
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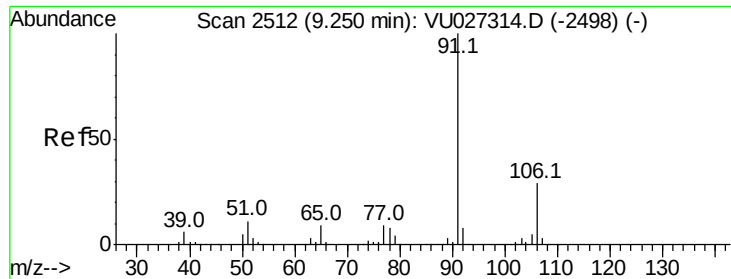
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.732 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion:131 Resp: 31817
Ion Ratio Lower Upper
131 100
133 94.7 48.5 145.6
119 66.2 33.5 100.4





#67

Ethyl Benzene

Concen: 19.290 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampled :

VU1004WBS03

Tot Ion: 91 Resp: 159631

Ion Ratio Lower Upper

91 100

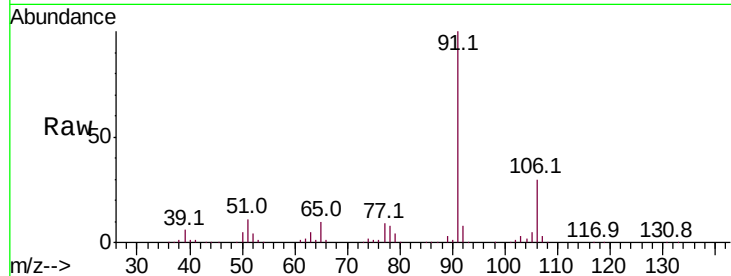
106 30.4 23.6 35.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-2498) (-)

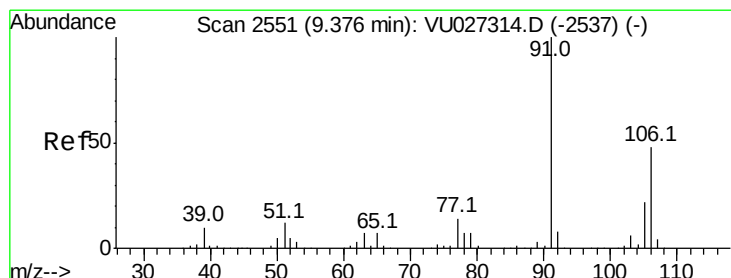
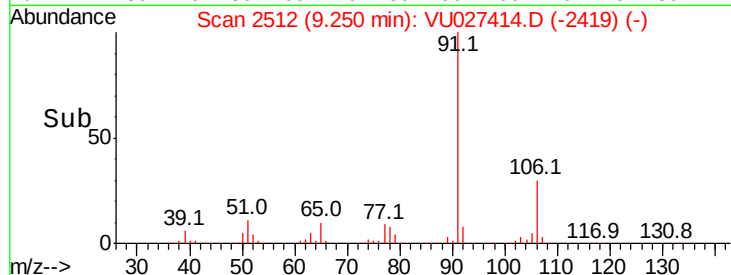
Ion 106.00 (105.70 to 106.70): VU027314.D (-2498) (-)

9.25

106.1

116.9 130.8

Time-->



#68

m/p-Xylenes

Concen: 39.954 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027414.D

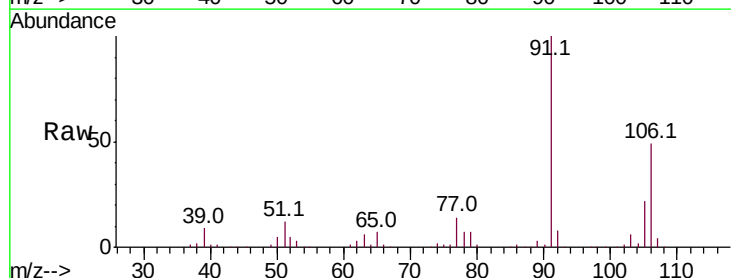
Acq: 04 Oct 2018 17:40

Tgt Ion: 106 Resp: 120941

Ion Ratio Lower Upper

106 100

91 207.8 168.1 252.1



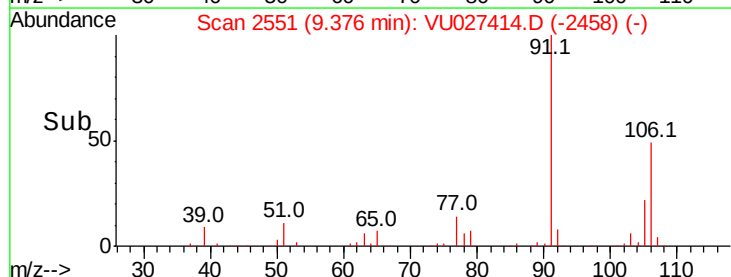
Abundance Ion 106.00 (105.70 to 106.70): VU027314.D (-2537) (-)

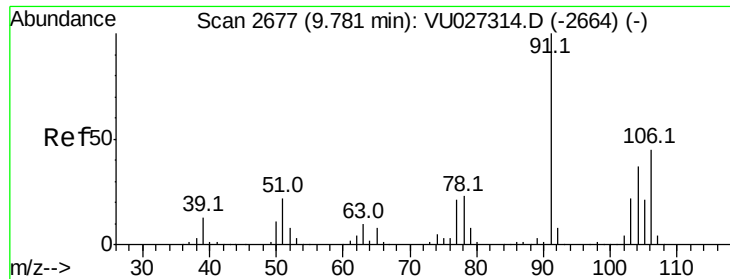
Ion 91.00 (90.70 to 91.70): VU027314.D (-2537) (-)

9.38

106.1

Time-->





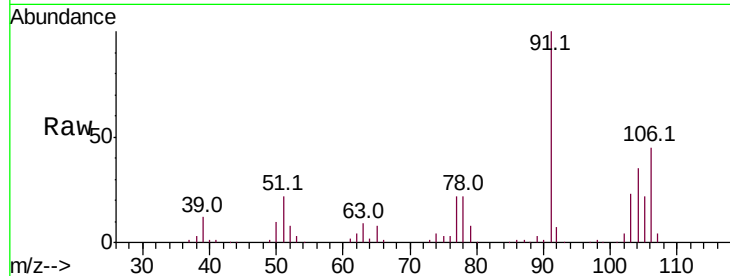
#69
o-Xylene
Concen: 19.846 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

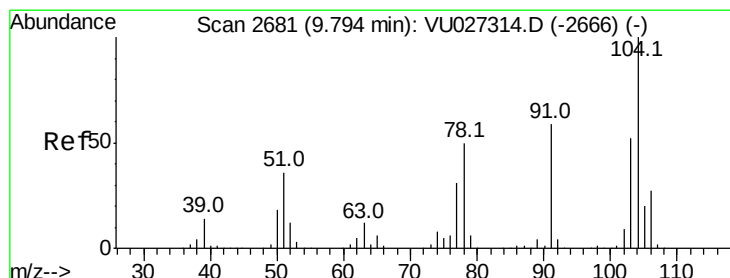
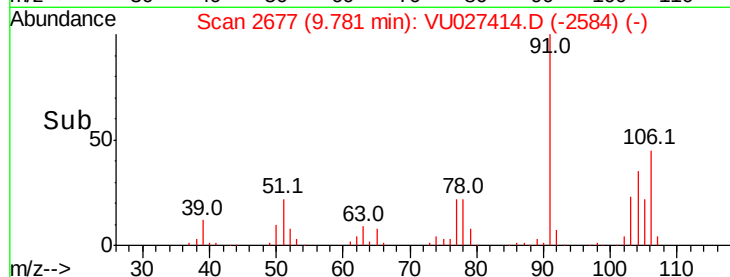
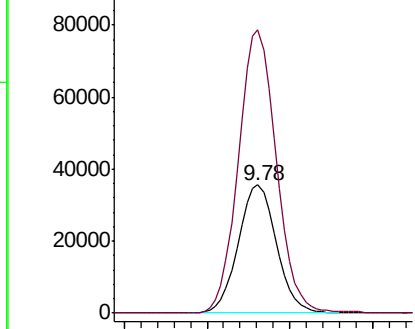
Tot Ion:106 Resp: 57087
Ion Ratio Lower Upper
106 100
91 220.3 111.7 334.9

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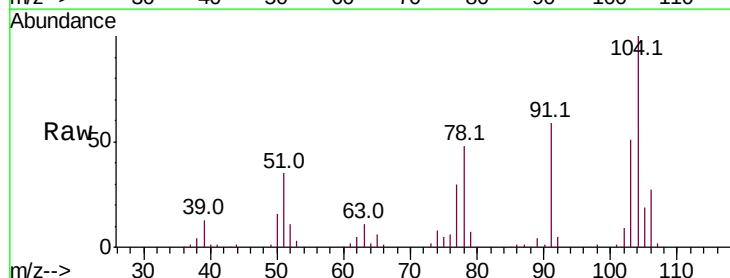


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

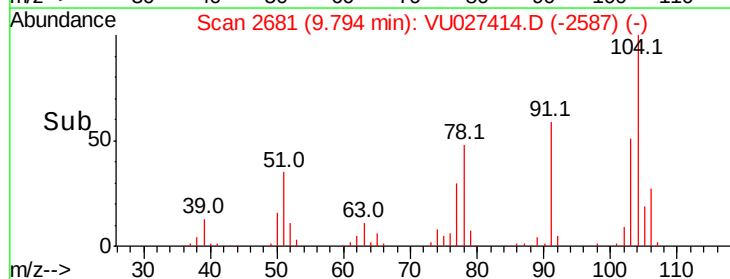
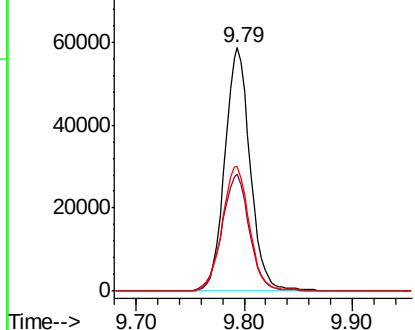


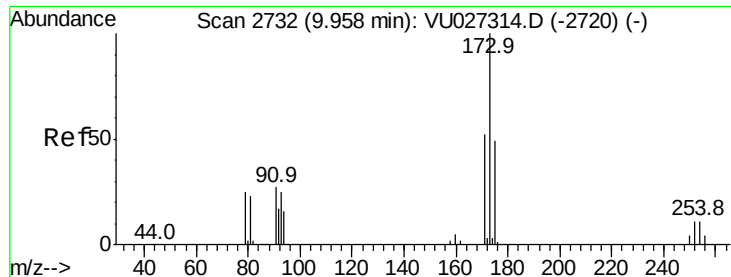
#70
Styrene
Concen: 19.342 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion:104 Resp: 96057
Ion Ratio Lower Upper
104 100
78 52.0 42.9 64.3
103 55.1 43.9 65.9



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





#71

Bromoform

Concen: 19.184 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion:173 Resp: 24888

Ion Ratio Lower Upper

173 100

175 49.0 24.3 73.0

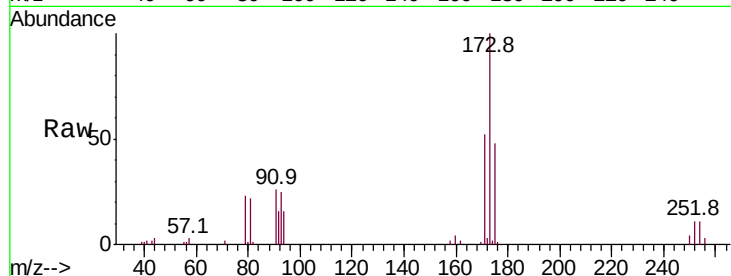
254 0.0 0.0 0.0

Manual Integrations

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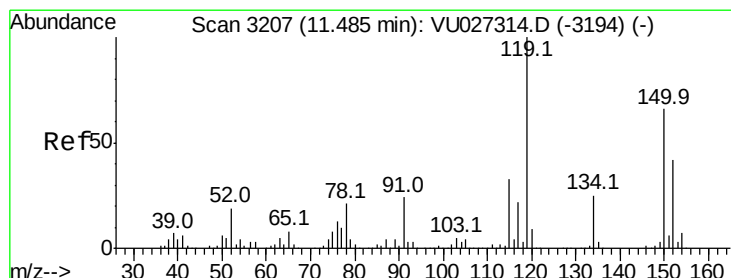
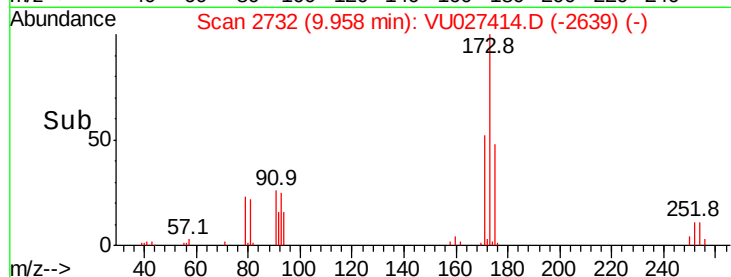
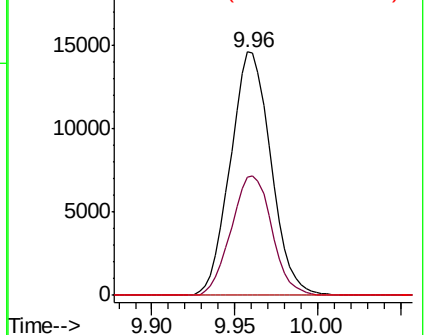
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

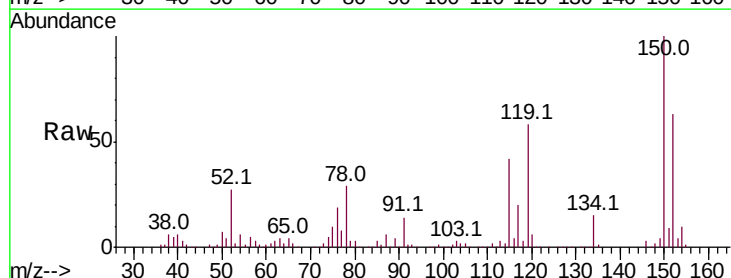
Tgt Ion:152 Resp: 110999

Ion Ratio Lower Upper

152 100

115 69.7 43.4 130.2

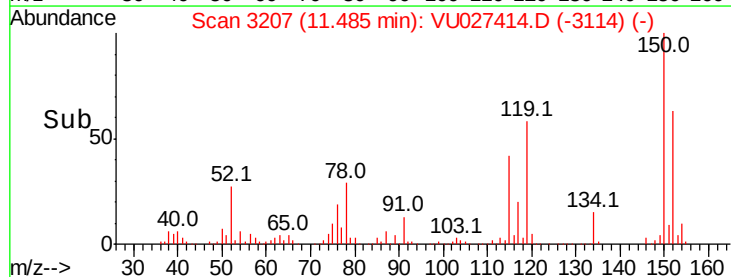
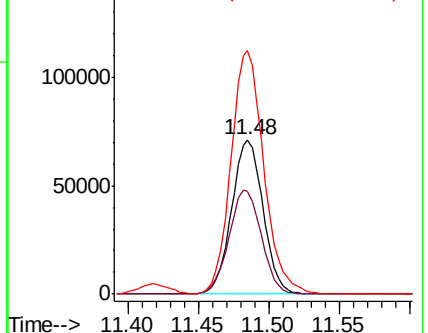
150 164.3 0.0 349.2

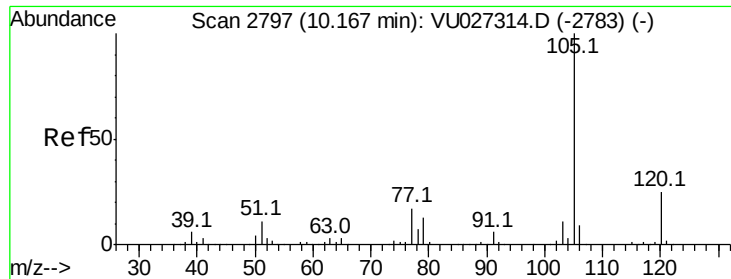


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.406 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion: 105 Resp: 156448

Ion Ratio Lower Upper

105 100

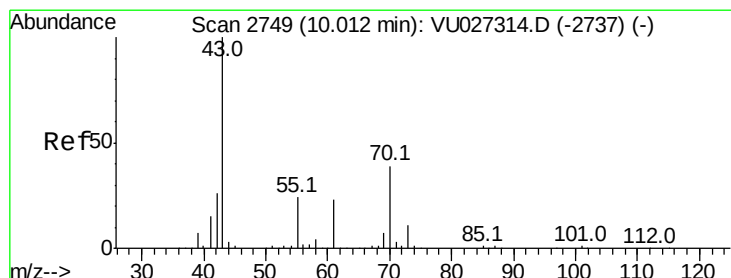
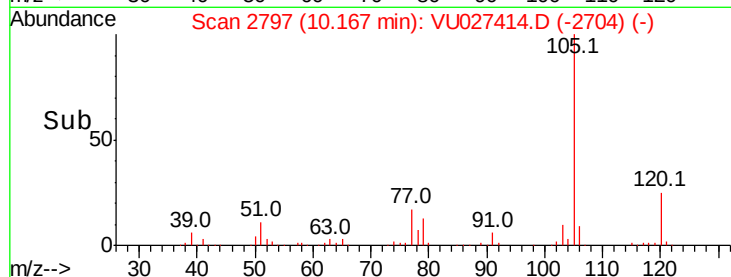
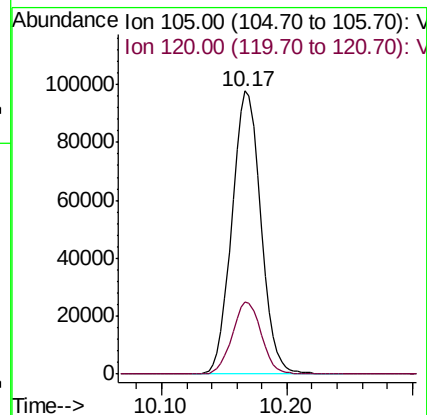
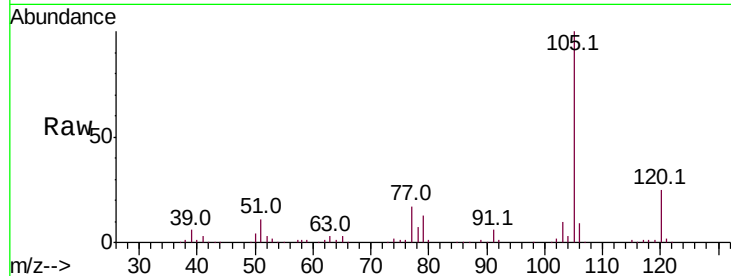
120 25.5 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.289 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Tgt Ion: 43 Resp: 84407

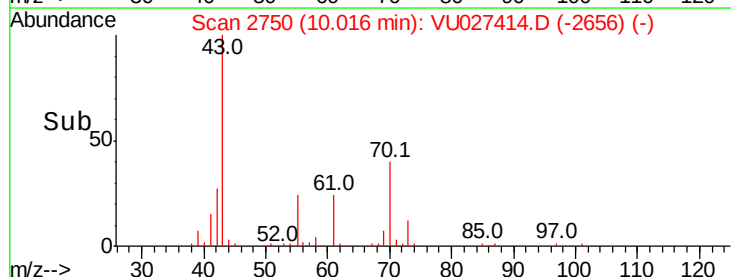
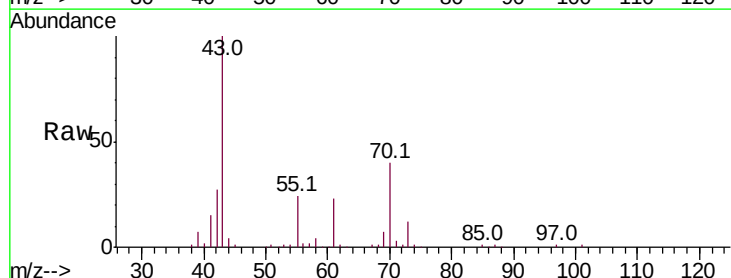
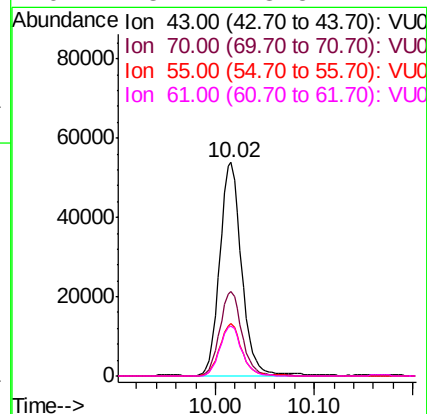
Ion Ratio Lower Upper

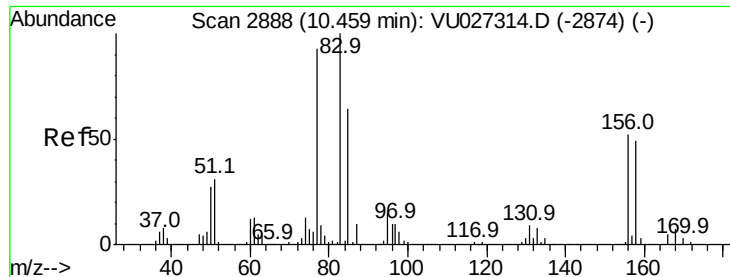
43 100

70 39.8 31.3 46.9

55 24.5 19.0 28.6

61 23.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.389 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

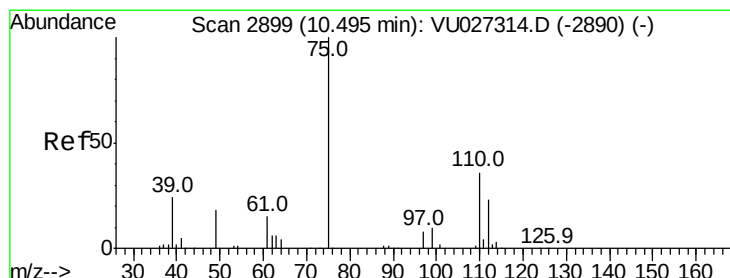
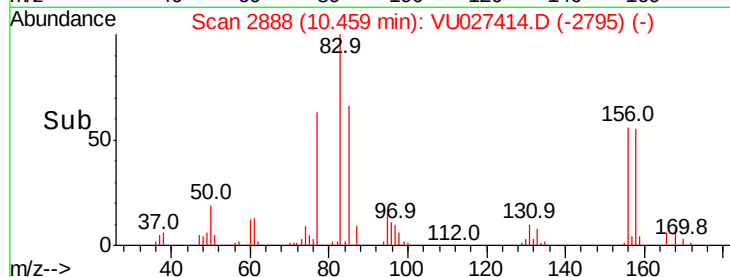
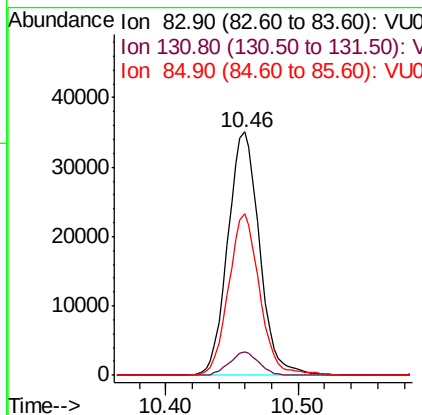
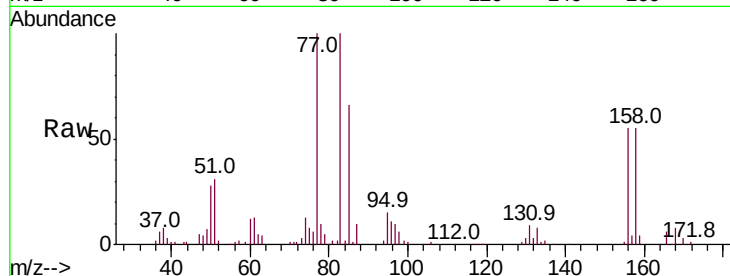
ClientSampleId :

VU1004WBS03

Tot Ion:	83	Resp:	58210
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.4	13.2
85	65.3	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.615 ug/l m

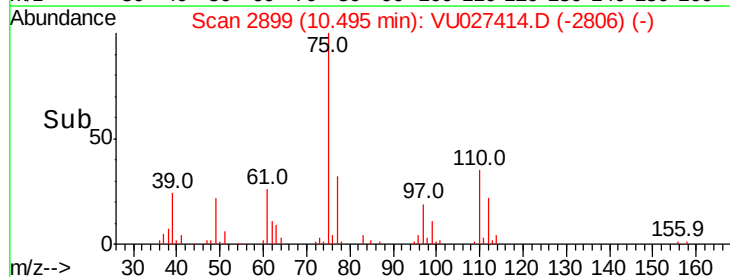
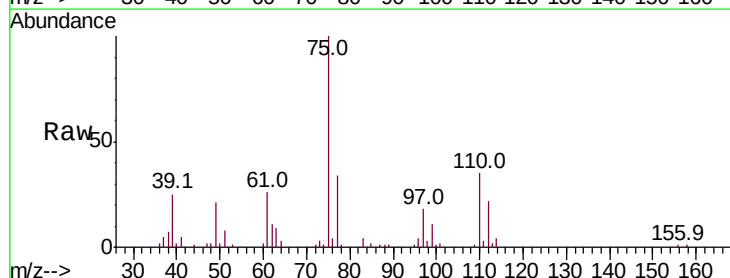
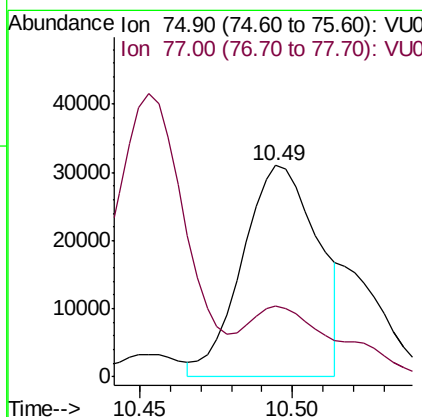
RT: 10.49 min Scan# 2899

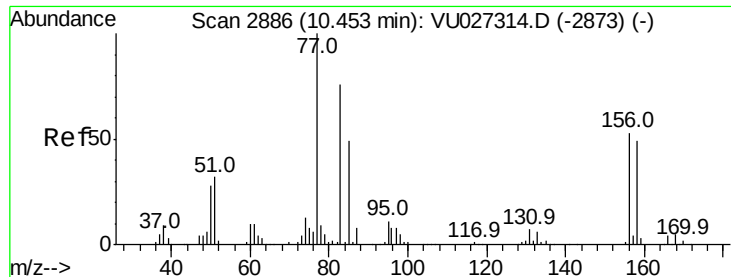
Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Tgt Ion:	75	Resp:	53562
Ion Ratio	Lower	Upper	
75	100		
77	39.8	20.3	60.9





#77

Bromobenzene

Concen: 19.850 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

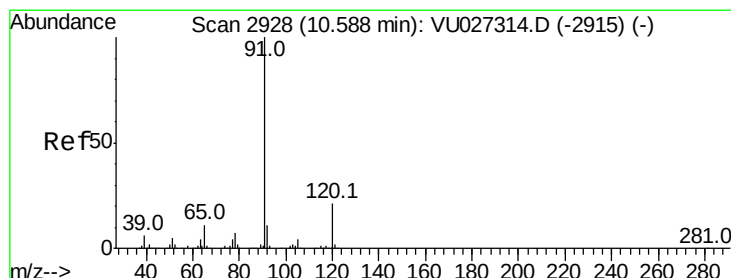
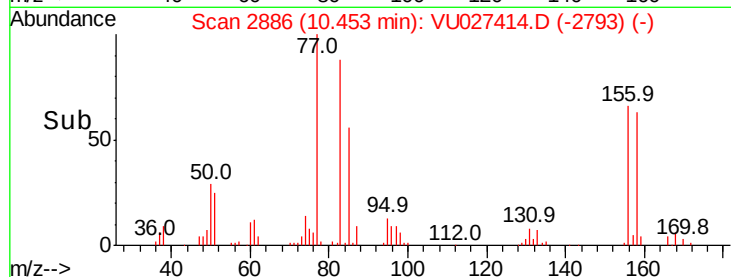
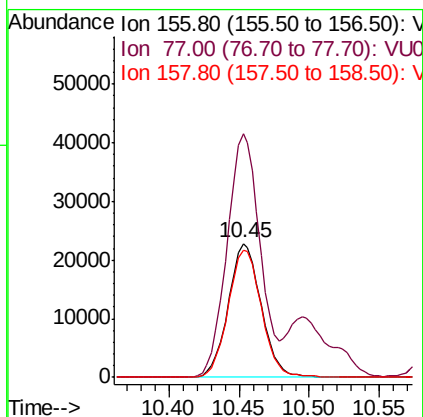
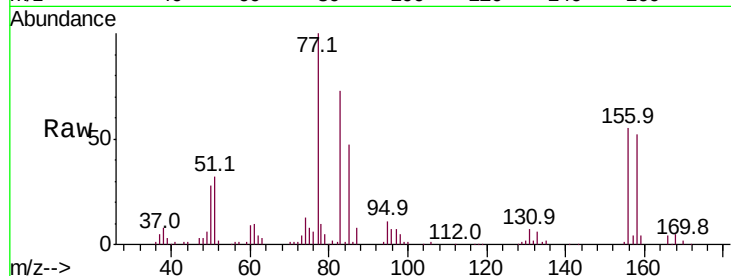
ClientSampleId :

VU1004WBS03

Tot Ion:	156	Resp:	37190
Ion	Ratio	Lower	Upper
156	100		
77	182.9	94.8	284.4
158	96.3	47.4	142.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.823 ug/l

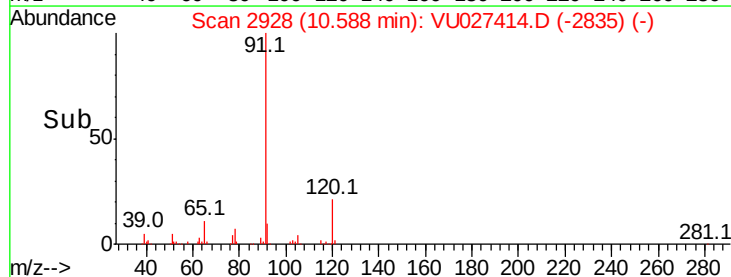
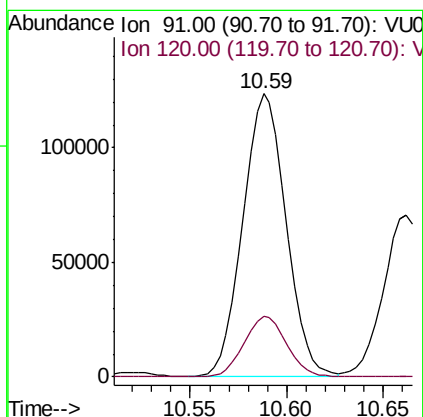
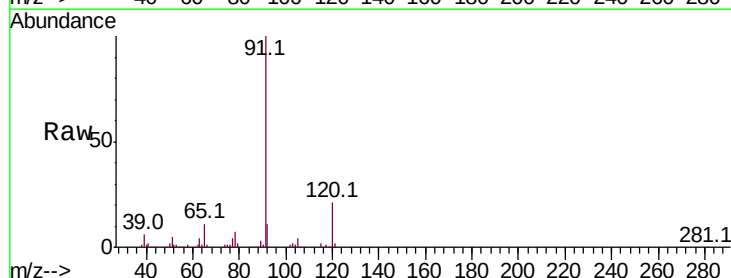
RT: 10.59 min Scan# 2928

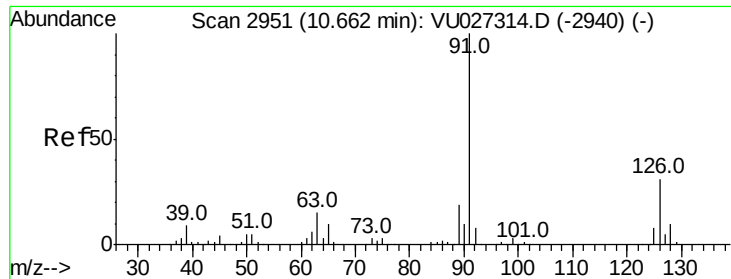
Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Tgt Ion:	91	Resp:	192030
Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.6	31.8





#79

2-Chlorotoluene

Concen: 19.408 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion: 91 Resp: 113520

Ion Ratio Lower Upper

91 100

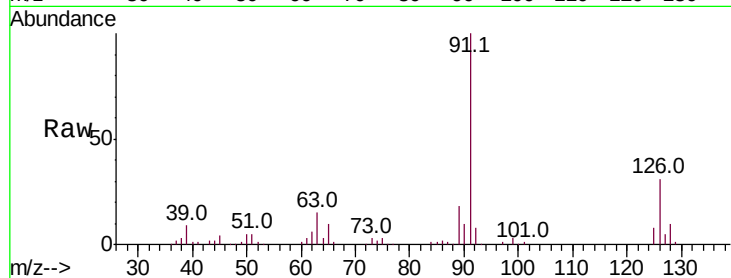
126 30.7 15.7 47.1

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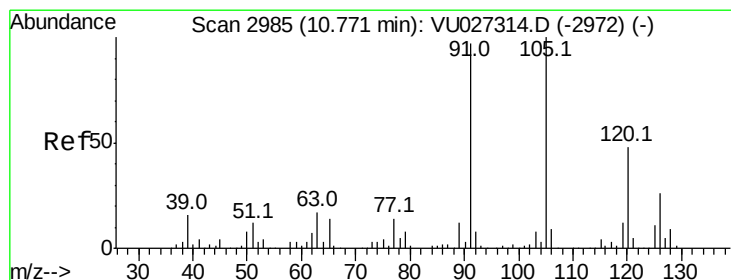
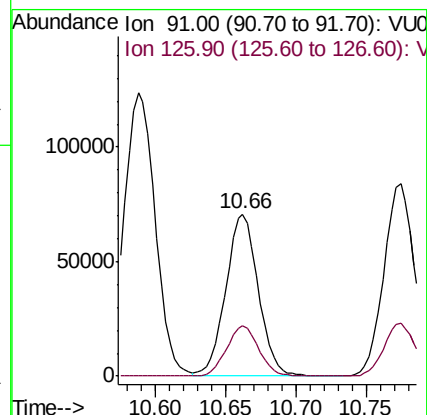
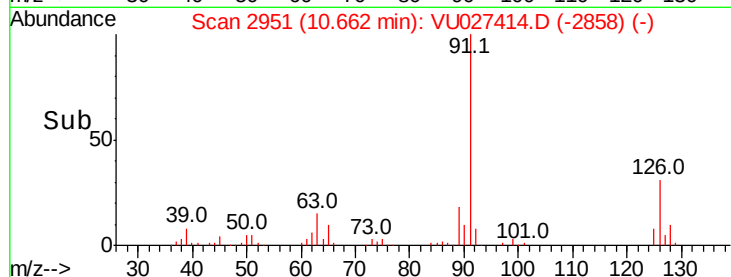
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027314.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.853 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027414.D

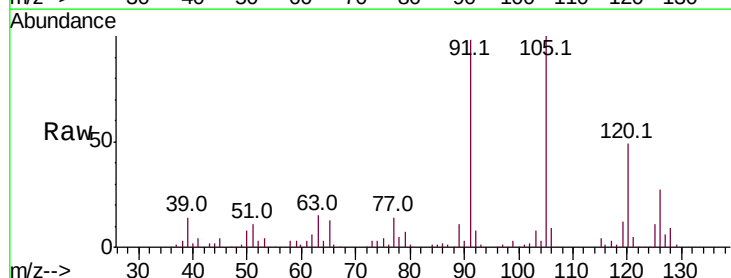
Acq: 04 Oct 2018 17:40

Tgt Ion: 105 Resp: 130307

Ion Ratio Lower Upper

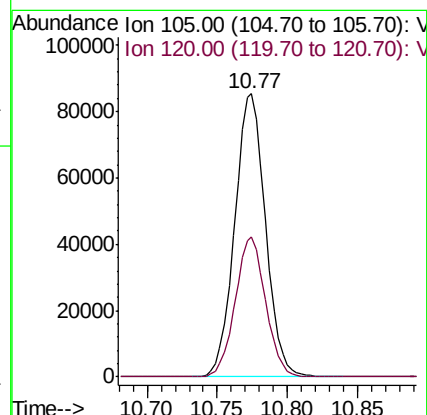
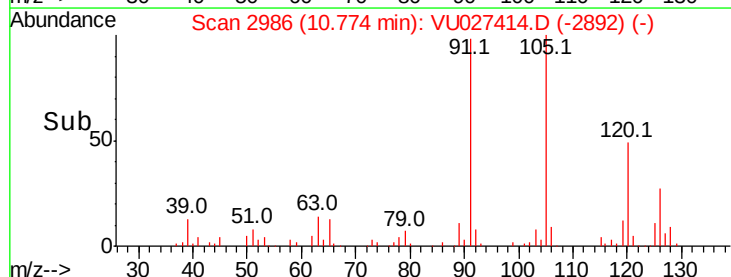
105 100

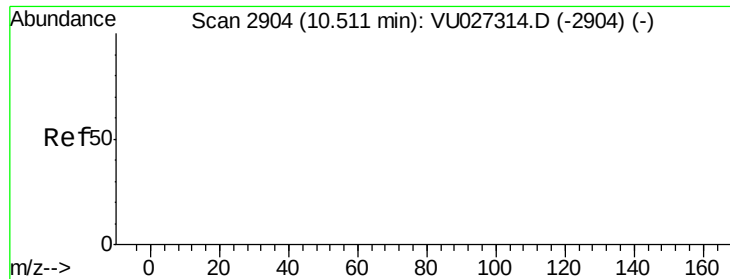
120 48.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027314.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027314.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.550 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027414.D

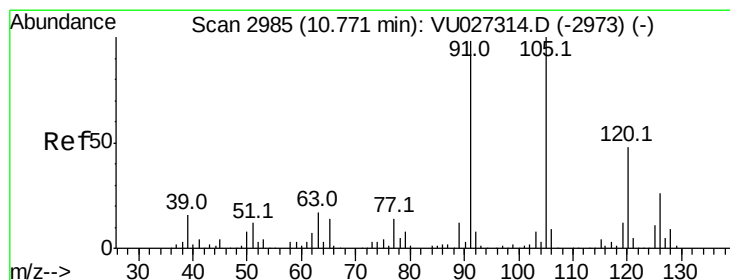
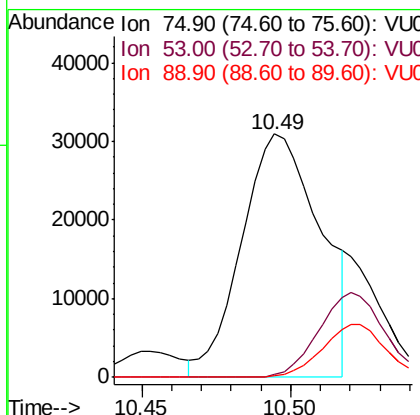
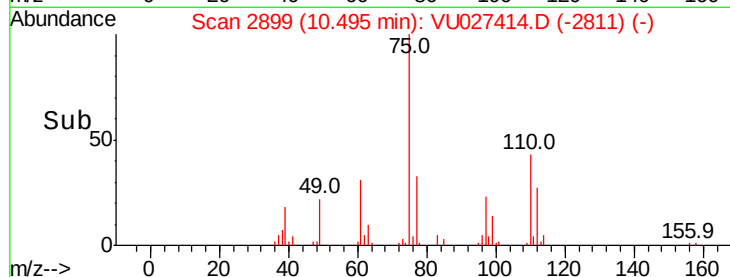
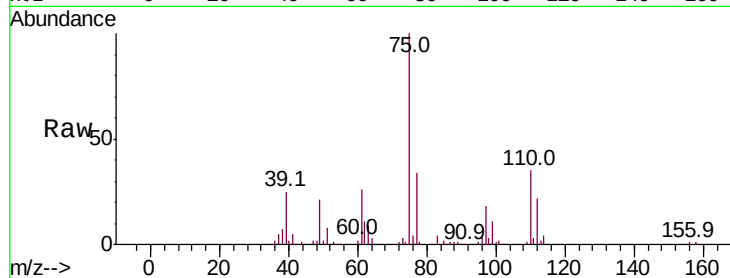
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.609 ug/l

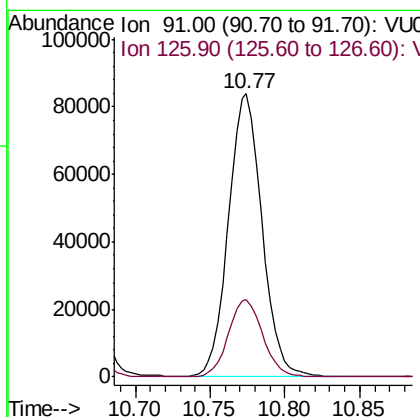
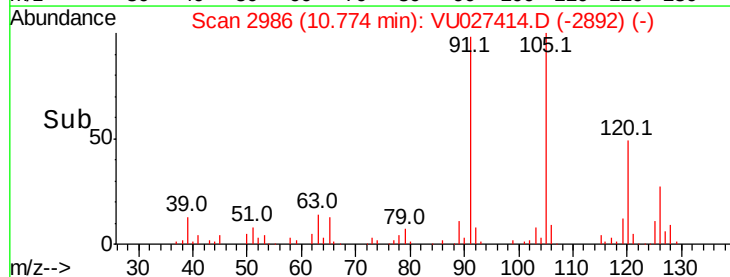
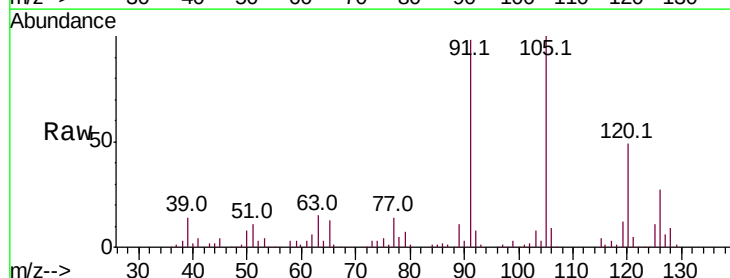
RT: 10.77 min Scan# 2986

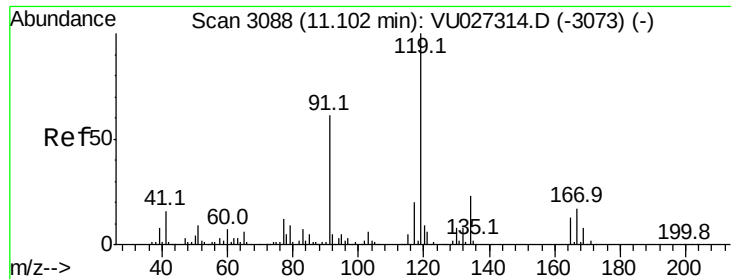
Delta R.T. 0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	13.6	40.8





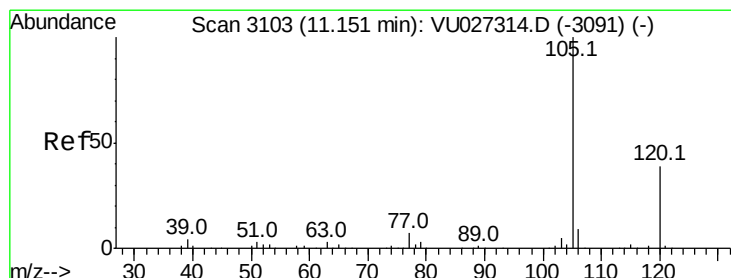
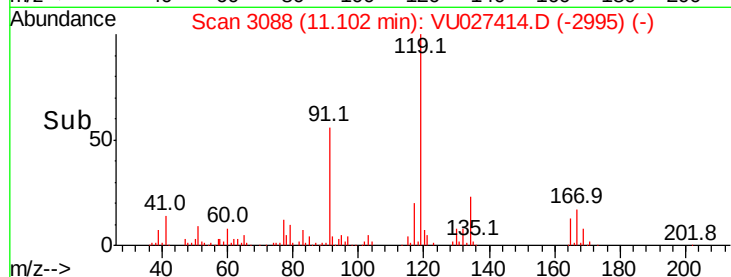
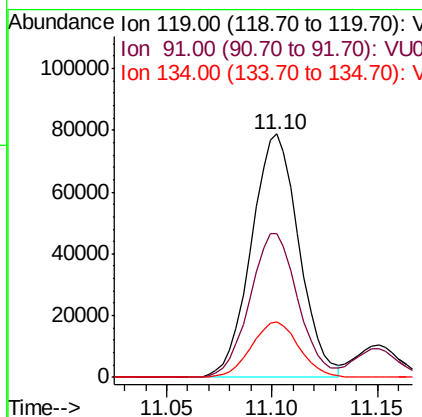
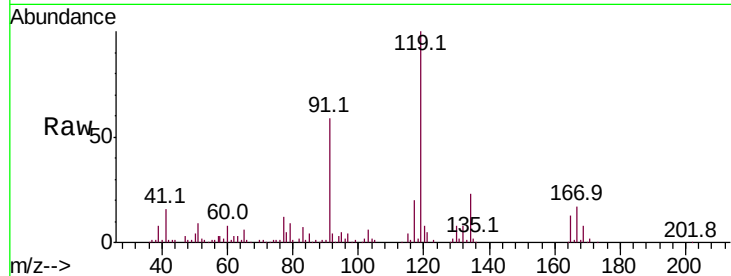
#83
tert-Butylbenzene
Concen: 19.485 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	123637		
91	60.0	30.3	91.0	
134	23.0	11.5	34.4	

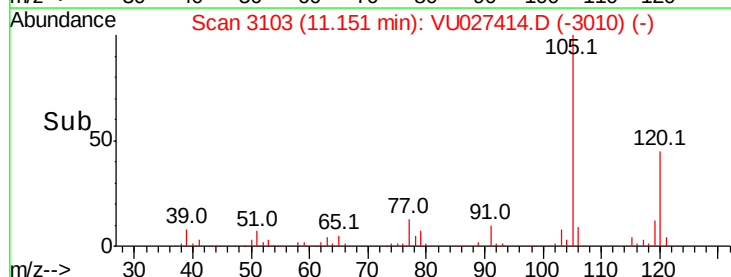
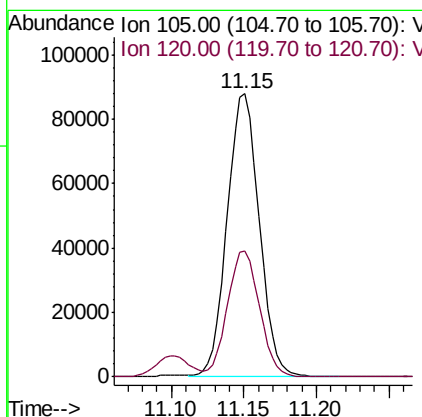
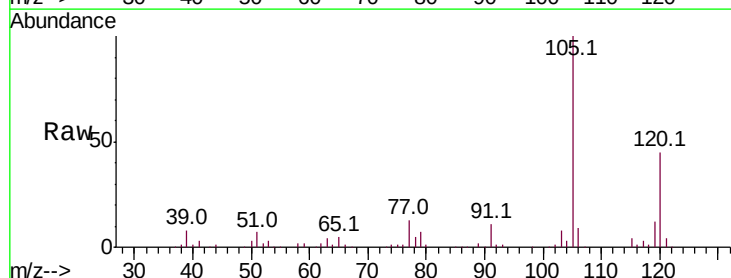
Manual Integrations
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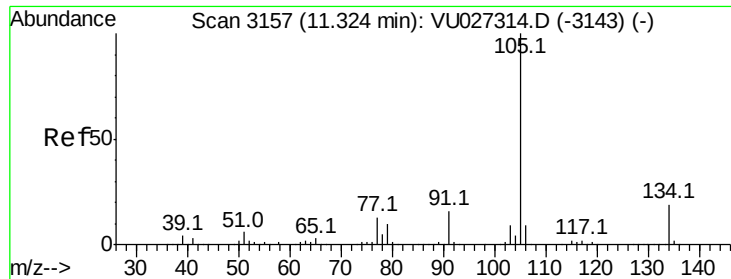
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.200 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	135432		
120	44.3	22.1	66.5	





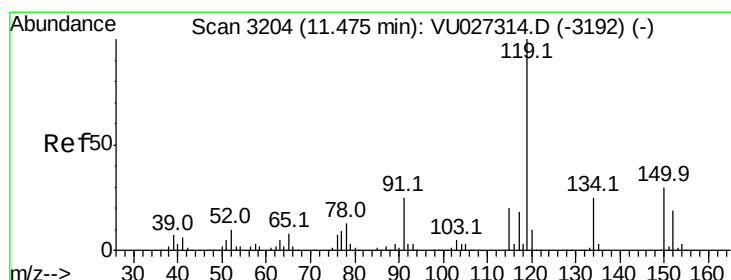
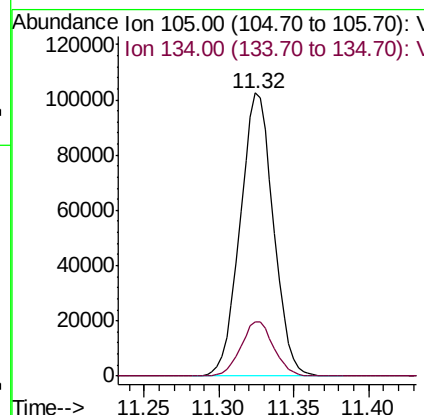
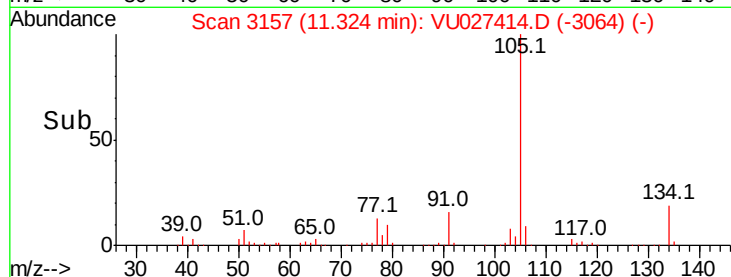
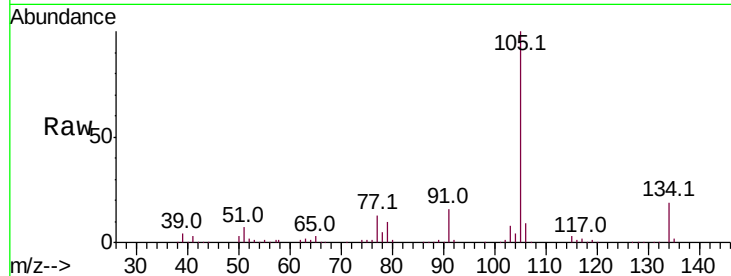
#85
 sec-Butylbenzene
 Concen: 19.804 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027414.D
 Acq: 04 Oct 2018 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS03

Tot Ion	Ratio	Resp	Lower	Upper
105	100	158328		
134	18.9	9.6	28.6	

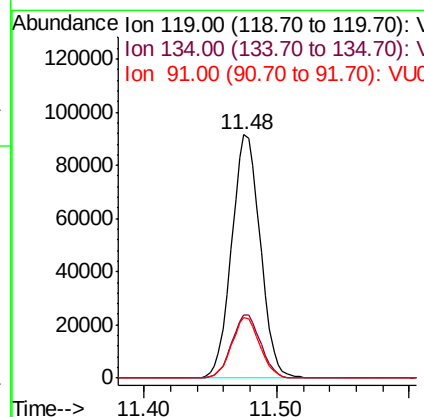
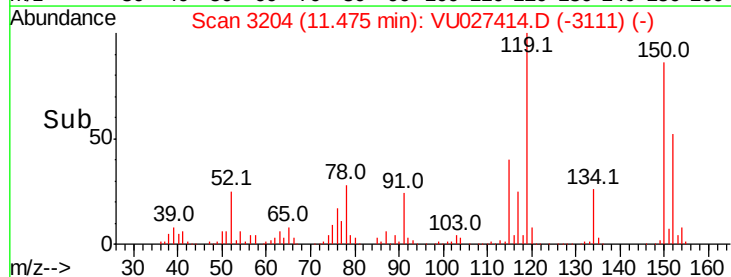
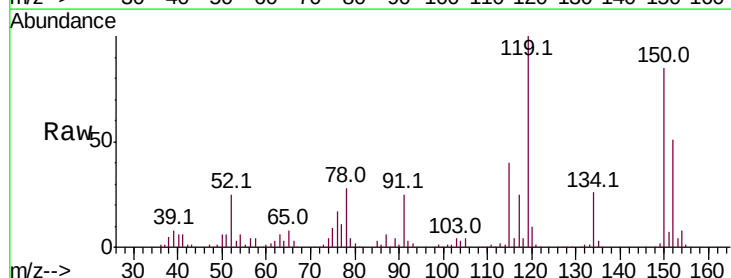
Manual Integrations
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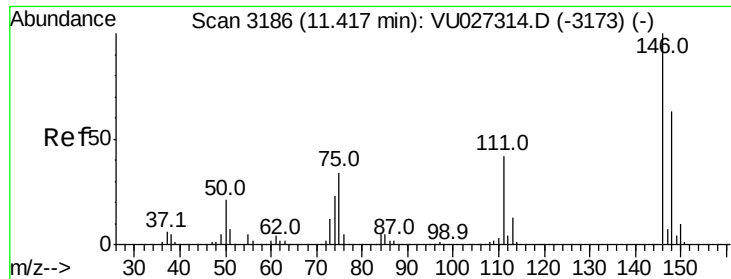
MMDadoda
 10/8/2018 1:52:35 PM



#86
 p-Isopropyltoluene
 Concen: 20.046 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027414.D
 Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	137214		
134	26.2	12.7	38.1	
91	24.5	12.2	36.4	





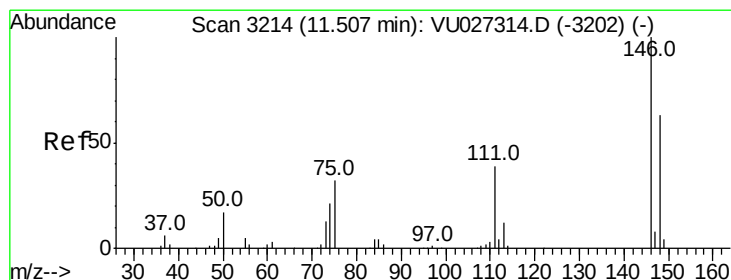
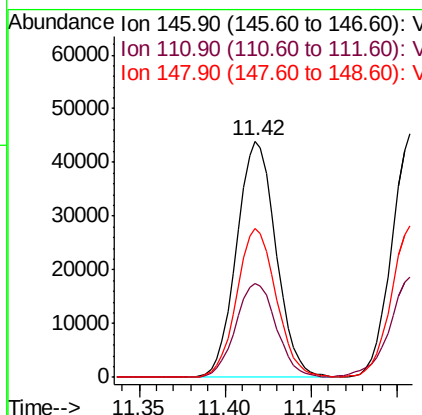
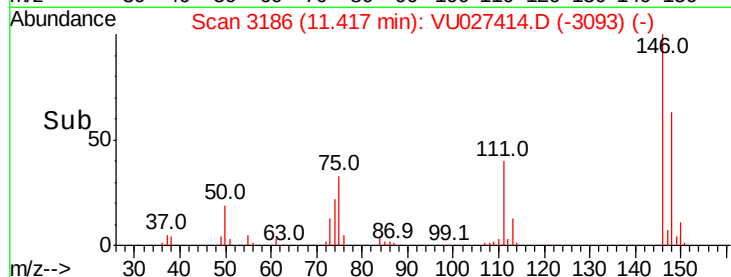
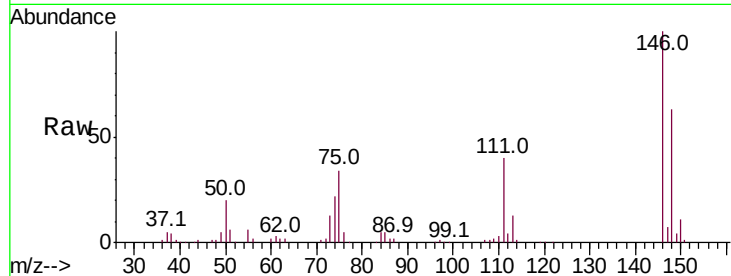
#87
 1,3-Dichlorobenzene
 Concen: 19.738 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027414.D
 Acq: 04 Oct 2018 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.5
148	63.2	31.6	94.8

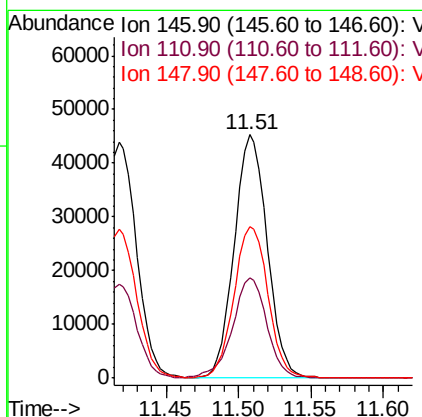
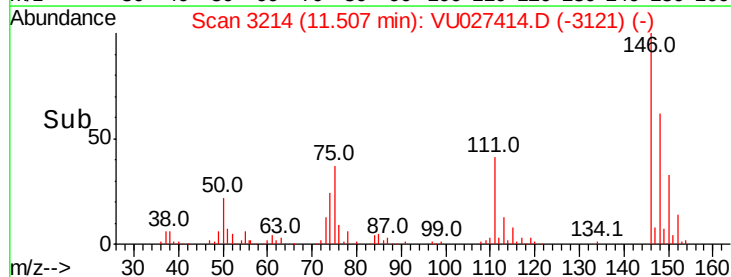
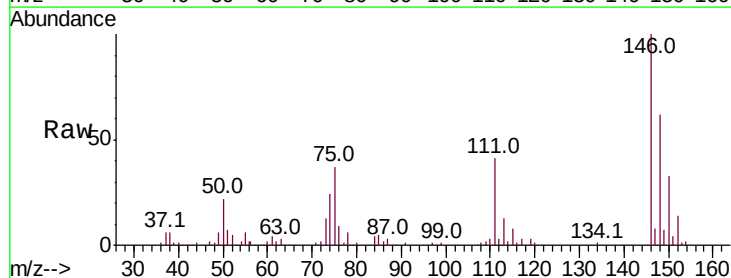
Manual Integrations
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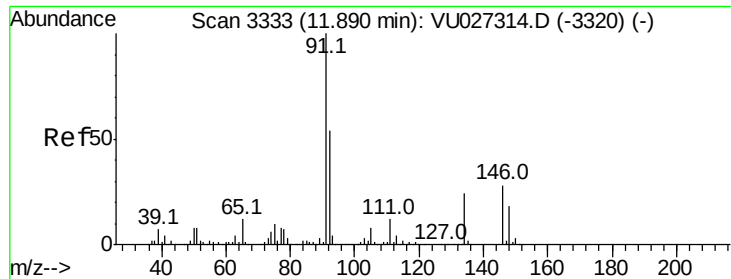
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#88
 1,4-Dichlorobenzene
 Concen: 19.660 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027414.D
 Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.4	61.2
148	64.8	31.9	95.5





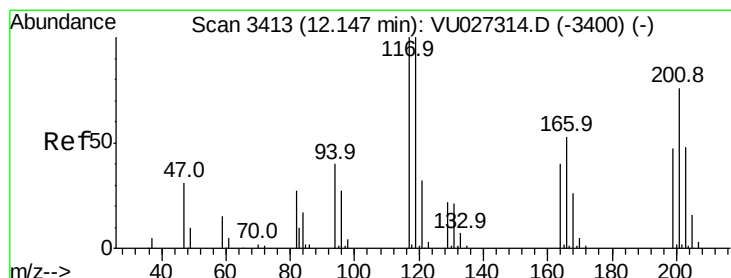
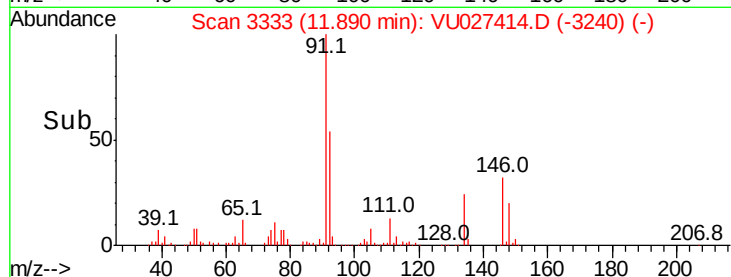
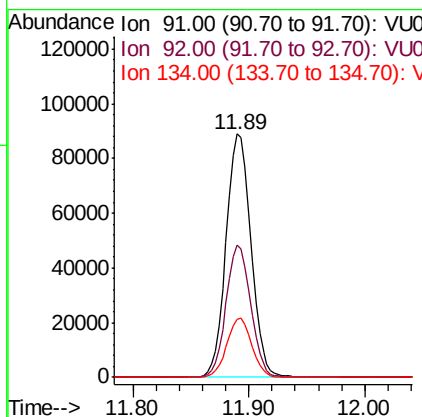
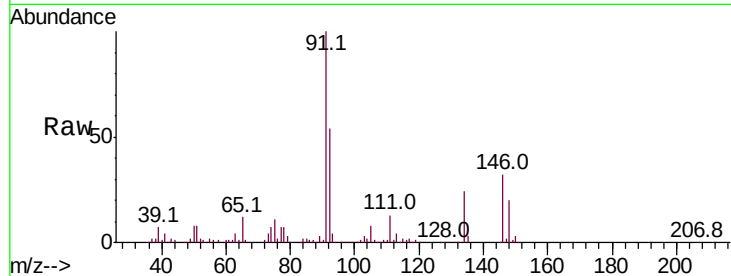
#89
n-Butylbenzene
Concen: 19.518 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.0	81.0
134	24.0	11.7	35.1

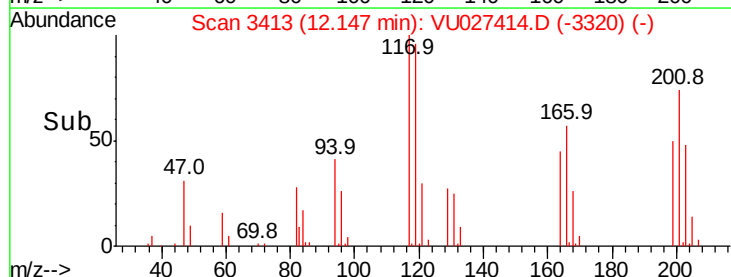
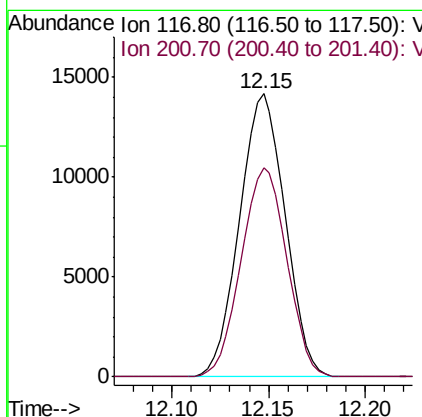
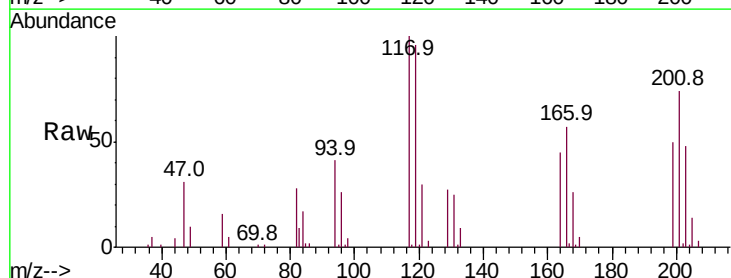
Manual Integrations
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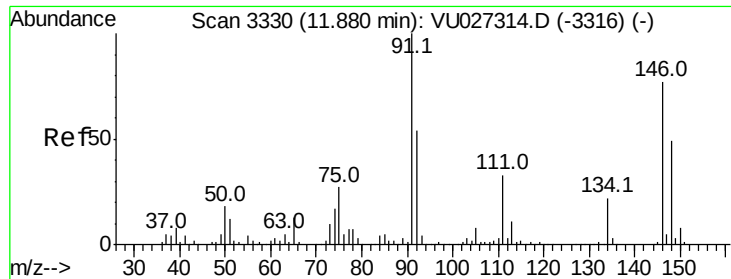
MMDadoda
10/8/2018 1:52:35 PM



#90
Hexachloroethane
Concen: 18.072 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.9	37.9	113.6





#91

1,2-Dichlorobenzene

Concen: 19.911 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS03

Tot Ion:146 Resp: 68760

Ion Ratio Lower Upper

146 100

111 43.5 21.8 65.4

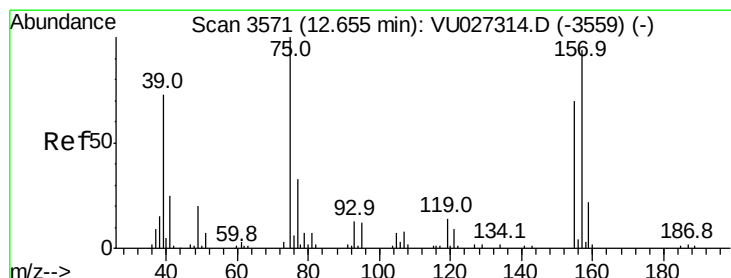
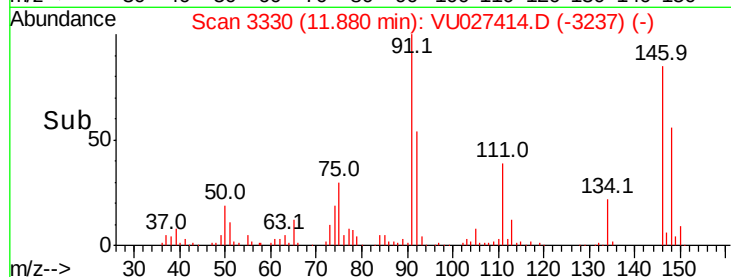
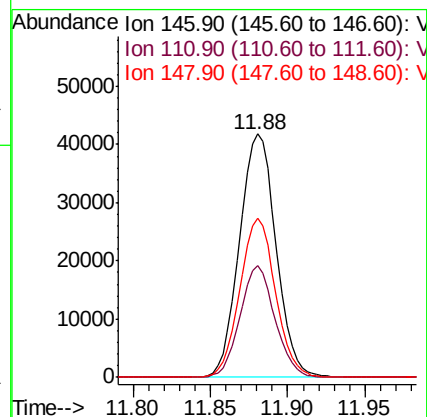
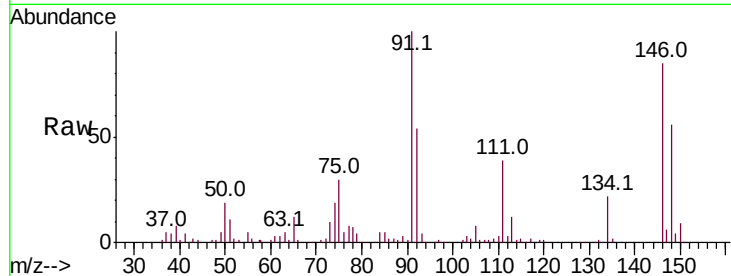
148 63.8 31.9 95.5

Manual Integrations

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.974 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU027414.D

Acq: 04 Oct 2018 17:40

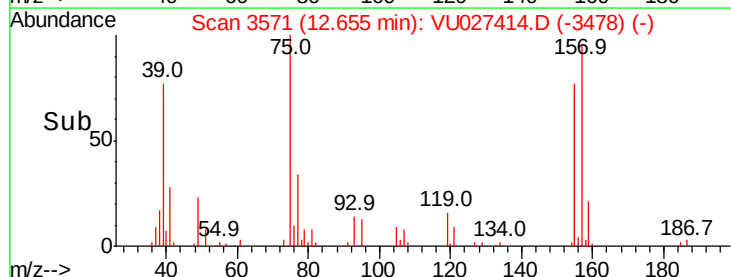
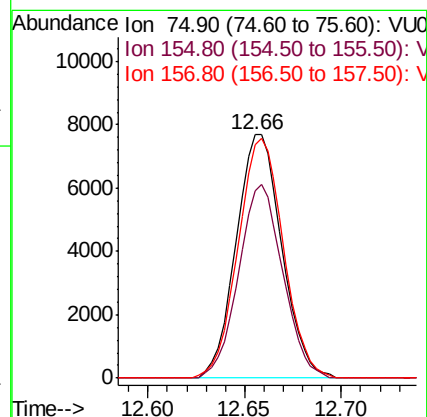
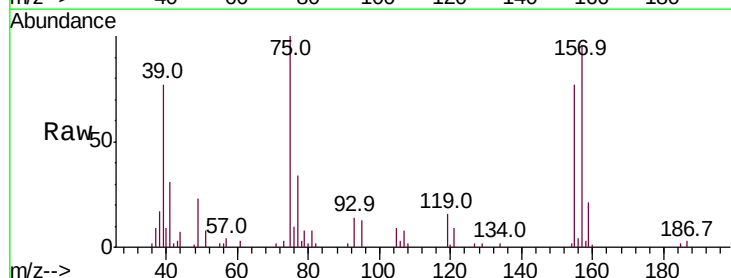
Tgt Ion: 75 Resp: 12610

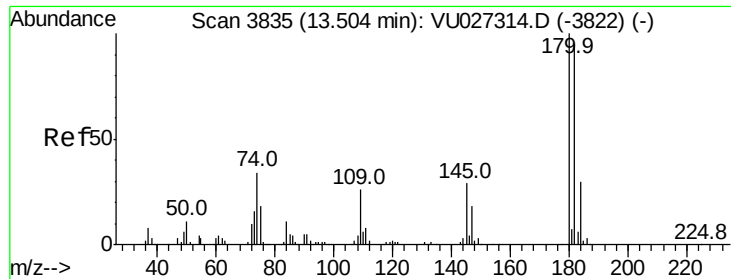
Ion Ratio Lower Upper

75 100

155 76.7 35.9 107.8

157 97.9 46.9 140.6





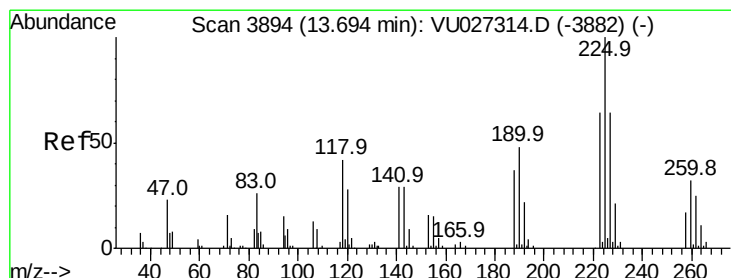
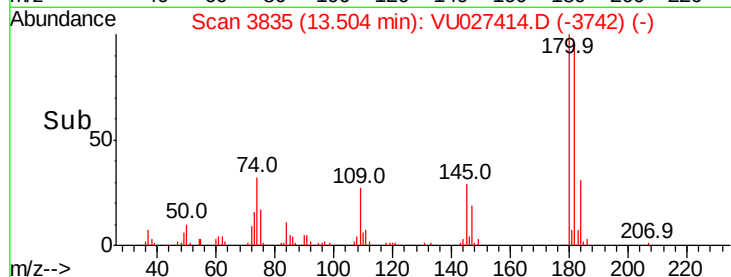
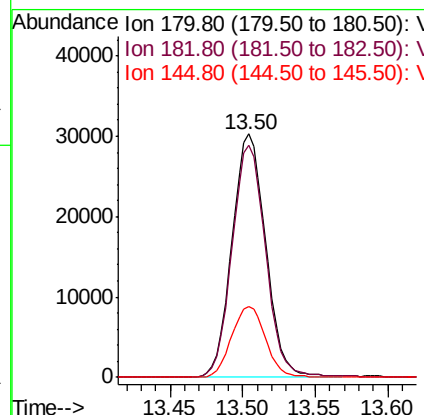
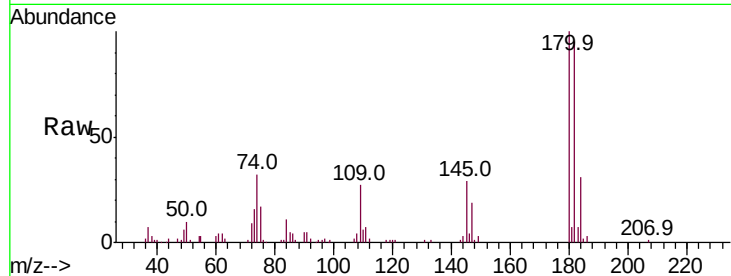
#93
 1,2,4-Trichlorobenzene
 Concen: 21.919 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027414.D
 Acq: 04 Oct 2018 17:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS03

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	29.2	14.6	44.0

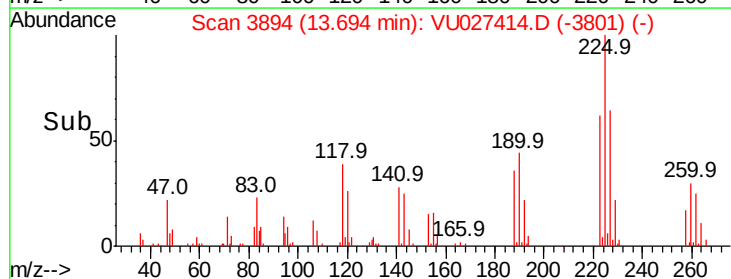
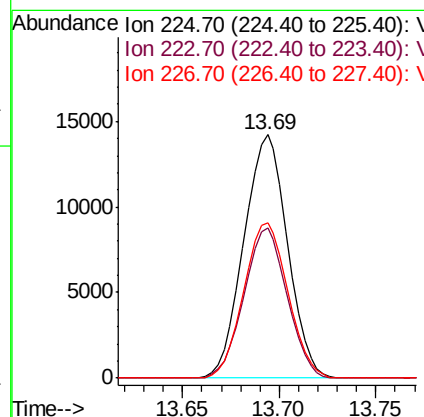
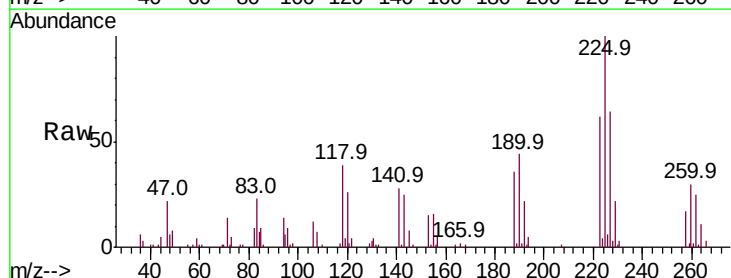
Manual Integrations
 APPROVED

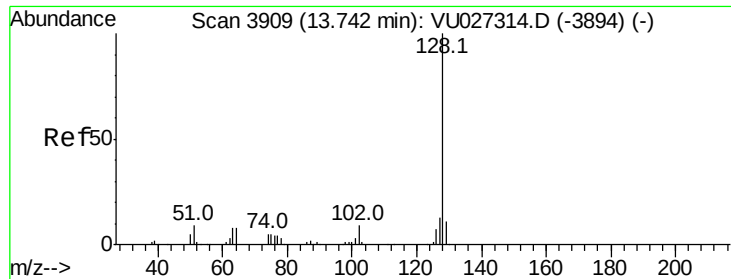
MMDadoda
 10/8/2018 1:52:35 PM



#94
 Hexachlorobutadiene
 Concen: 19.783 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027414.D
 Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.8	95.3
227	64.4	31.9	95.7





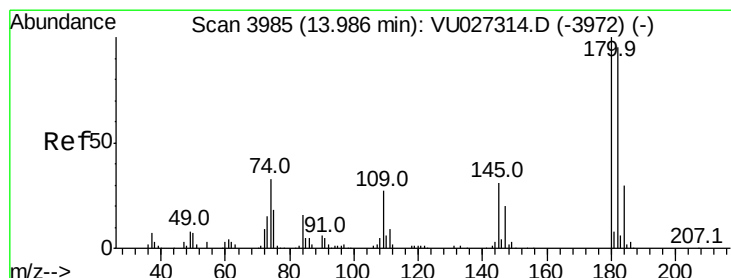
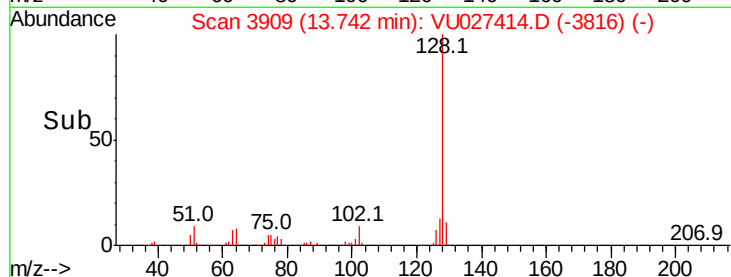
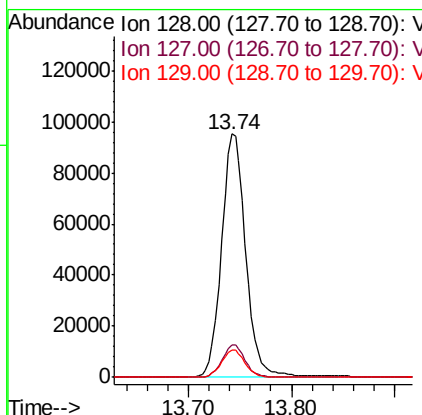
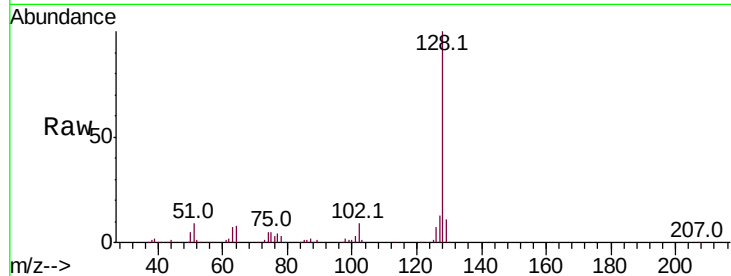
#95
Naphthalene
Concen: 19.588 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS03

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:52:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.728 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU027414.D
Acq: 04 Oct 2018 17:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.4	142.2
145	31.5	15.9	47.7

