

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027312.D
 Acq On : 01 Oct 2018 10:30
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:43 AM

Quant Time: Oct 01 23:36:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 01 23:17:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	111130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	193269	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	79097	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	9138	5.18	ug/l	0.00
Spiked Amount			Recovery	=	10.36%	
35) Dibromofluoromethane	4.89	113	6407	5.04	ug/l	0.00
Spiked Amount			Recovery	=	10.08%	
50) Toluene-d8	7.57	98	23672	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	
62) 4-Bromofluorobenzene	10.31	95	8319	4.59	ug/l	0.00
Spiked Amount			Recovery	=	9.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	6670	4.163	ug/l	98
3) Chloromethane	1.33	50	9793	4.515	ug/l	98
4) Vinyl Chloride	1.40	62	9448	4.634	ug/l	99
5) Bromomethane	1.62	94	4176	4.733	ug/l	100
6) Chloroethane	1.69	64	6119	4.994	ug/l	98
7) Trichlorofluoromethane	1.88	101	9527	4.605	ug/l	97
8) Diethyl Ether	2.10	74	4694	4.925	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	5883	4.896	ug/l	99
10) Methyl Iodide	2.41	142	2312	2.643	ug/l	97
11) Tert butyl alcohol	2.83	59	9889	25.306	ug/l	96
12) 1,1-Dichloroethene	2.29	96	5823	4.961	ug/l	98
13) Acrolein	2.20	56	9021	27.511	ug/l	96
14) Allyl chloride	2.59	41	13202	4.736	ug/l	99
15) Acrylonitrile	2.94	53	24314	23.906	ug/l	99
16) Acetone	2.32	43	28405	25.911	ug/l	99
17) Carbon Disulfide	2.48	76	20540	4.852	ug/l	99
18) Methyl Acetate	2.62	43	11890	4.754	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	22537	4.792	ug/l	99
20) Methylene Chloride	2.70	84	7421	4.860	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	6523	4.950	ug/l	96
22) Diisopropyl ether	3.57	45	27761	4.900	ug/l #	88
23) Vinyl Acetate	3.53	43	113660	22.971	ug/l	100
24) 1,1-Dichloroethane	3.45	63	14301	4.910	ug/l	97
25) 2-Butanone	4.27	43	37507	25.090	ug/l	99
26) 2,2-Dichloropropane	4.23	77	11842	4.948	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	7024	4.660	ug/l	96
28) Bromochloromethane	4.55	49	7303	5.197	ug/l #	96
29) Tetrahydrofuran	4.64	42	21959	23.308	ug/l	98
30) Chloroform	4.67	83	12544	4.847	ug/l	94
31) Cyclohexane	4.99	56	16062	4.716	ug/l #	85
32) 1,1,1-Trichloroethane	4.92	97	10695	4.907	ug/l	98
36) 1,1-Dichloropropene	5.14	75	9996	4.763	ug/l	97
37) Ethyl Acetate	4.39	43	12136	4.690	ug/l	97
38) Carbon Tetrachloride	5.14	117	9087	4.794	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	11264	4.592	ug/l	95
40) Benzene	5.39	78	29113	4.763	ug/l	98
41) Methacrylonitrile	4.55	41	7057	4.604	ug/l	97
42) 1,2-Dichloroethane	5.40	62	11173	4.924	ug/l	98
43) Isopropyl Acetate	5.55	43	19664	4.668	ug/l	99
44) Trichloroethene	6.19	130	6422	4.712	ug/l	97
45) 1,2-Dichloropropane	6.43	63	8316	4.717	ug/l	99
46) Dibromomethane	6.57	93	4738	4.758	ug/l	96
47) Bromodichloromethane	6.76	83	9572	4.633	ug/l	98
48) Methyl methacrylate	6.62	41	9264	4.423	ug/l	96
49) 1,4-Dioxane	6.62	88	3441	95.478	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	63929	23.357	ug/l	99
52) Toluene	7.64	92	16984	4.694	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	10995	4.539	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	11989	4.604	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	6773	4.722	ug/l	94
56) Ethyl methacrylate	8.02	69	10203	4.286	ug/l	97
57) 1,3-Dichloropropane	8.24	76	13100	4.704	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.13	63	27650	20.791	ug/l	99
59) 2-Hexanone	8.37	43	48518	22.851	ug/l	99
60) Dibromochloromethane	8.48	129	6654	4.625	ug/l	97
61) 1,2-Dibromoethane	8.59	107	7020	4.603	ug/l	99
64) Tetrachloroethene	8.23	164	5245	4.821	ug/l	95
65) Chlorobenzene	9.12	112	17771	4.831	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.21	131	6077	4.785	ug/l	99
67) Ethyl Benzene	9.25	91	29486	4.524	ug/l	99
68) m/p-Xylenes	9.38	106	21392	8.973	ug/l	99
69) o-Xylene	9.78	106	10361	4.573	ug/l	100
70) Styrene	9.79	104	15274	4.105	ug/l	97
71) Bromoform	9.96	173	4777	4.675	ug/l #	99
73) Isopropylbenzene	10.17	105	27120	4.721	ug/l	100
74) N-amyl acetate	10.02	43	15181	4.616	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	11967	5.305	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	11407m	5.173	ug/l	
77) Bromobenzene	10.46	156	6492	4.863	ug/l	97
78) n-propylbenzene	10.59	91	31717	4.595	ug/l	99
79) 2-Chlorotoluene	10.66	91	20442	4.905	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	21620	4.623	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	3610m	4.219	ug/l	
82) 4-Chlorotoluene	10.77	91	22280	4.711	ug/l	99
83) tert-Butylbenzene	11.10	119	21209	4.691	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	21926	4.589	ug/l	99
85) sec-Butylbenzene	11.32	105	25804	4.529	ug/l	97
86) p-Isopropyltoluene	11.48	119	22016	4.514	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	12039	4.762	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	12568	4.865	ug/l	93
89) n-Butylbenzene	11.89	91	19037	4.184	ug/l	99
90) Hexachloroethane	12.15	117	4611	5.015	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	11801	4.796	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2528	5.057	ug/l	97

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ClientSampleId :
VSTDICC005

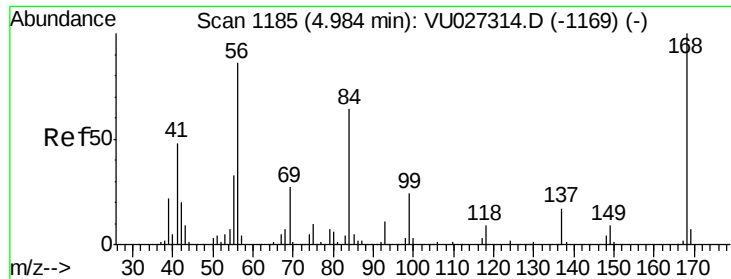
Manual Integrations
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MMDadoda
10/3/2018 11:41:43 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	6869	4.314	ug/l	99
94) Hexachlorobutadiene	13.69	225	3927	4.881	ug/l	99
95) Naphthalene	13.75	128	21558	4.038	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	7110	4.286	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 111130

Ion Ratio Lower Upper

168 100

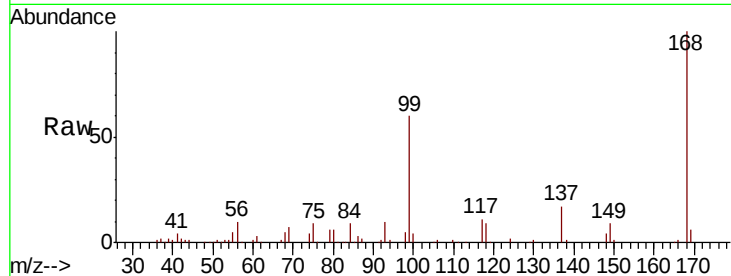
99 59.5 50.8 76.2

Manual Integrations

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10/3/2018 11:41:43 AM

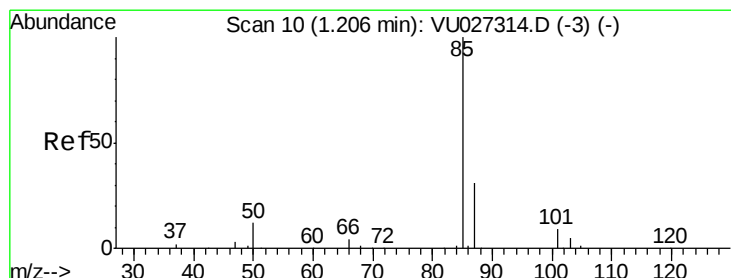
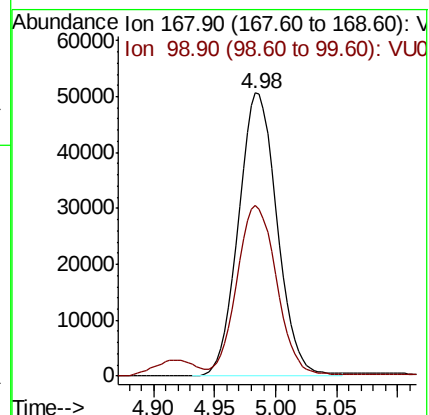
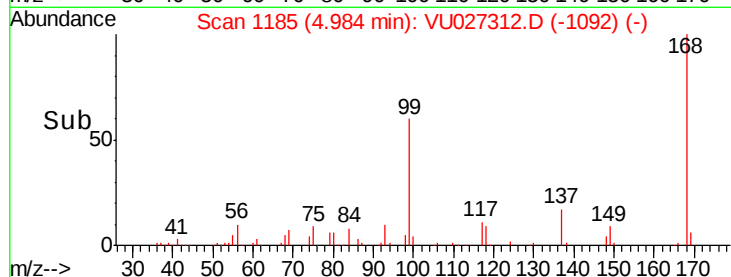


Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

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

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 4.163 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027312.D

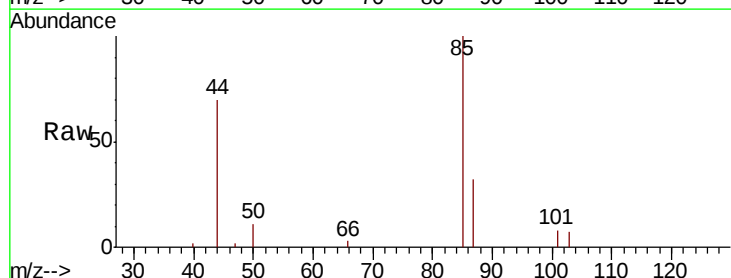
Acq: 01 Oct 2018 10:30

Tgt Ion: 85 Resp: 6670

Ion Ratio Lower Upper

85 100

87 32.4 15.7 47.1

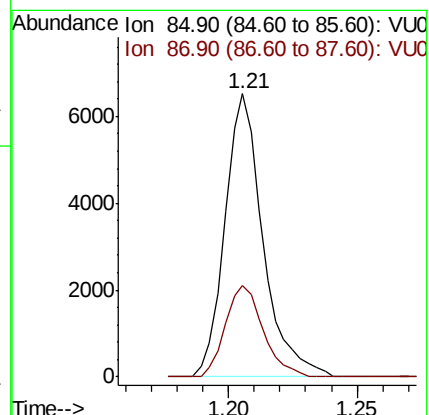
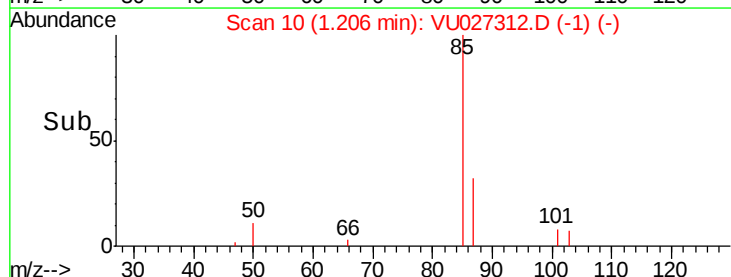


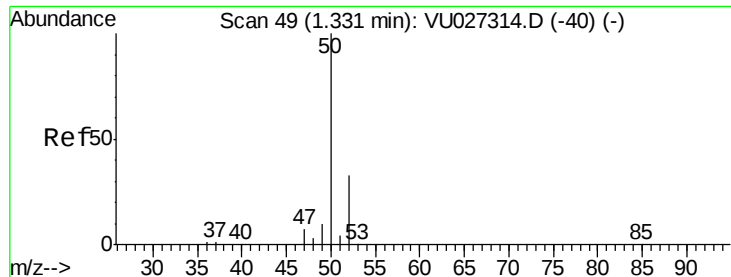
Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

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

1.21

Time-->





#3

Chloromethane

Concen: 4.515 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 9793

Ion Ratio Lower Upper

50 100

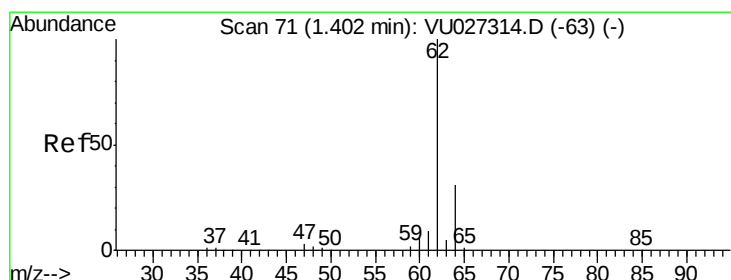
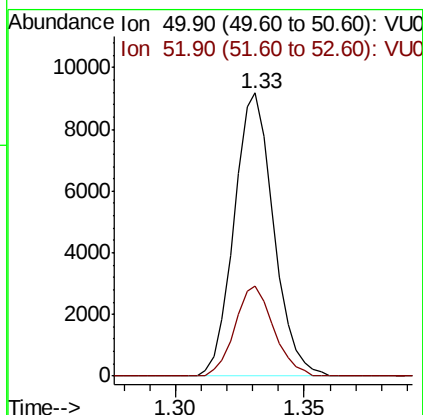
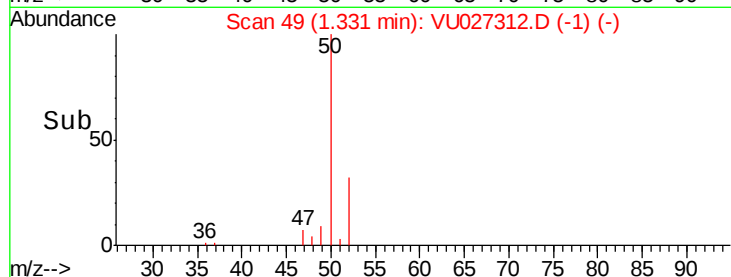
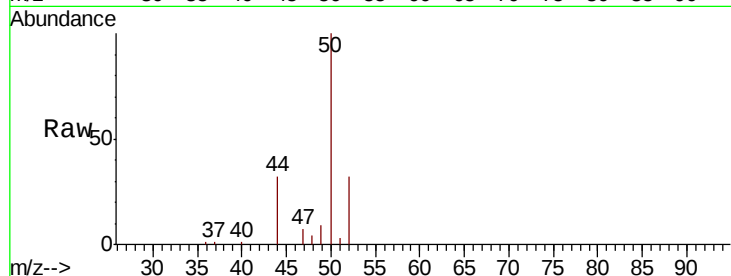
52 31.7 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.634 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027312.D

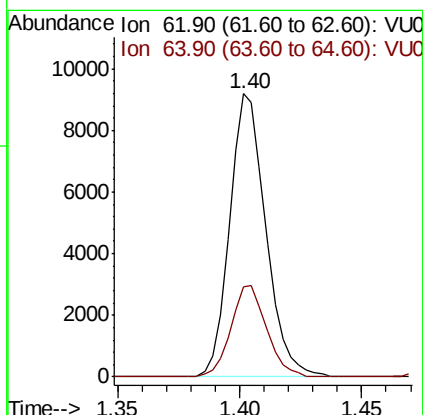
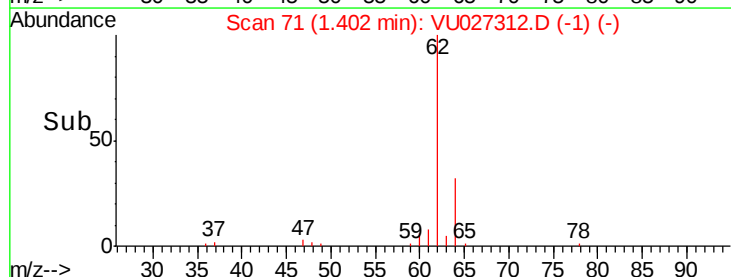
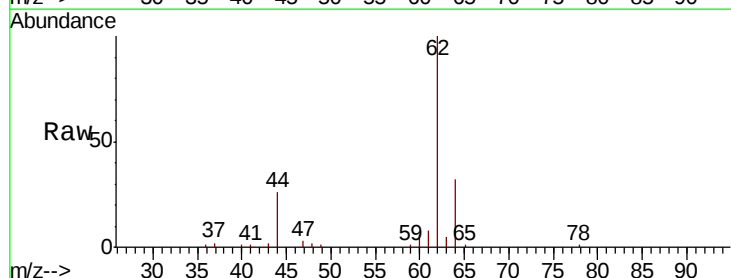
Acq: 01 Oct 2018 10:30

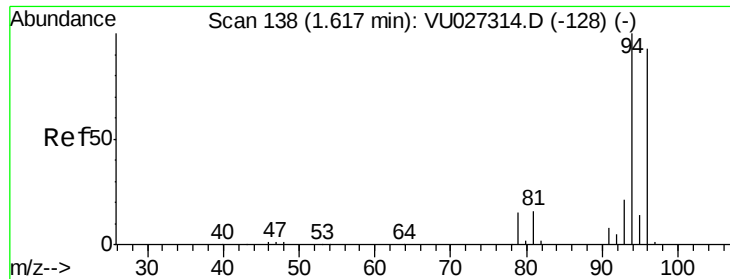
Tgt Ion: 62 Resp: 9448

Ion Ratio Lower Upper

62 100

64 31.7 24.9 37.3





#5

Bromomethane

Concen: 4.733 ug/l

RT: 1.62 min Scan# 138

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 4176

Ion Ratio Lower Upper

94 100

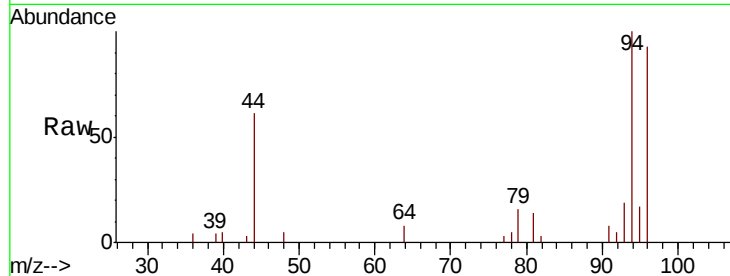
96 93.4 74.6 111.8

Manual Integrations

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10/3/2018 11:41:43 AM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

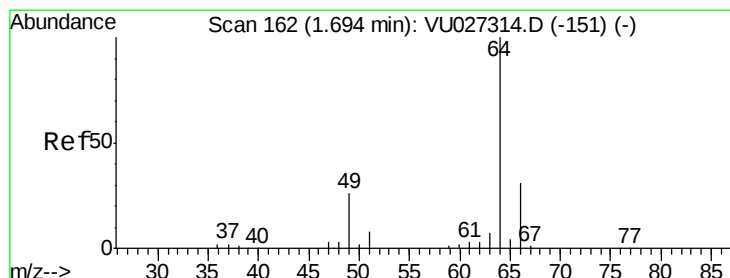
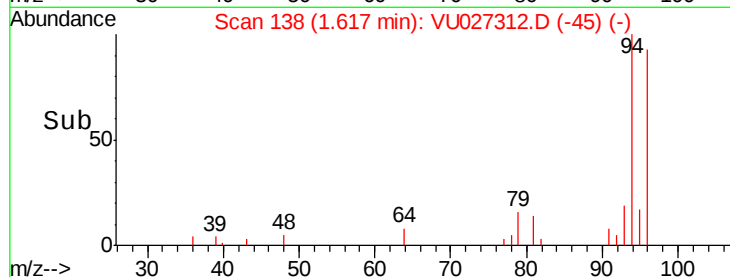
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 4.994 ug/l

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU027312.D

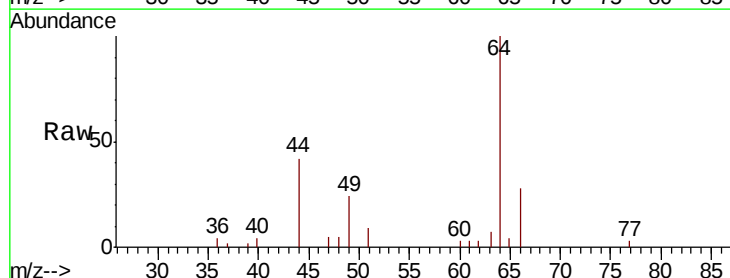
Acq: 01 Oct 2018 10:30

Tgt Ion: 64 Resp: 6119

Ion Ratio Lower Upper

64 100

66 29.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

5000

4000

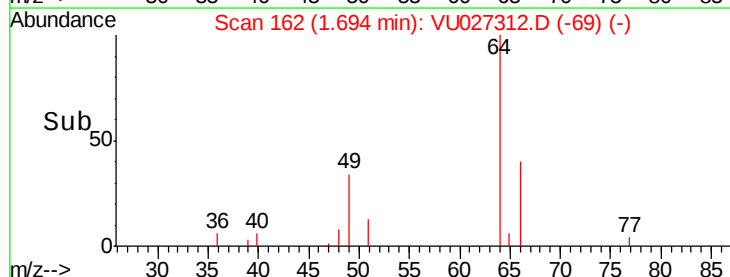
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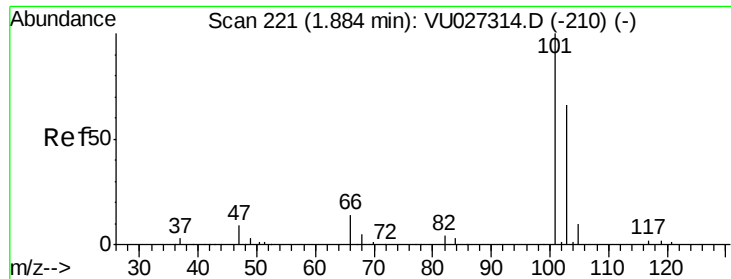
2000

1000

0

Time-->





#7

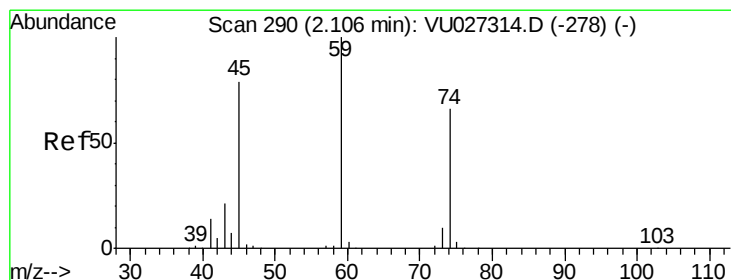
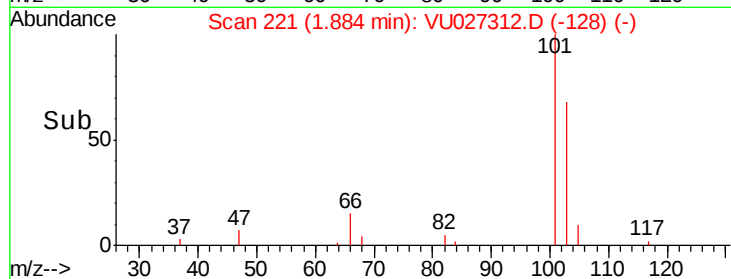
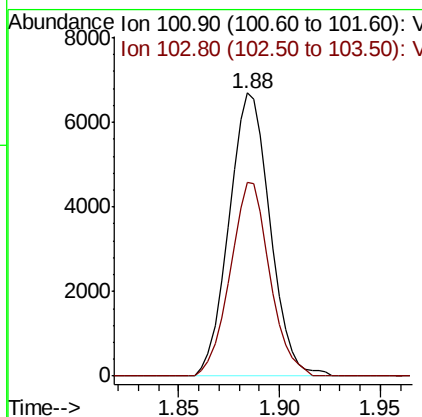
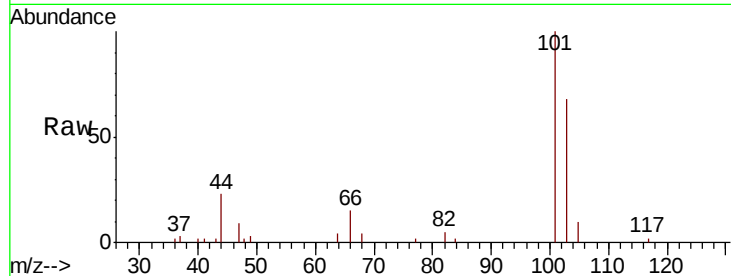
Trichlorofluoromethane
Concen: 4.605 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027312.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		9527		
103	68.4	52.6	78.8		

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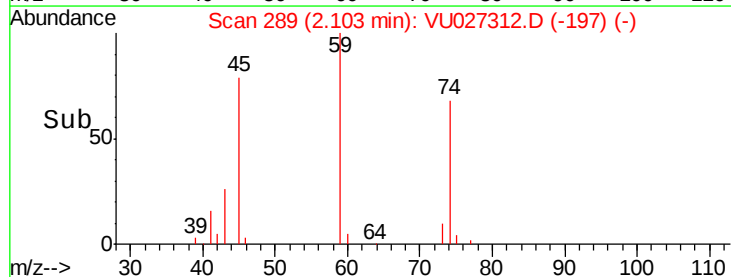
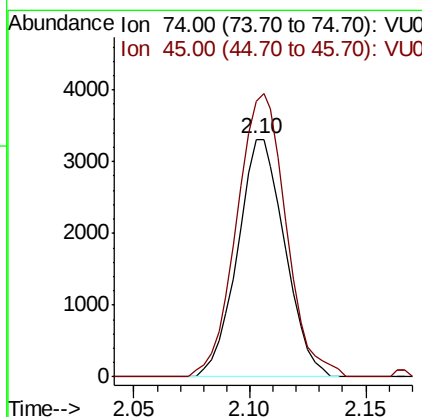
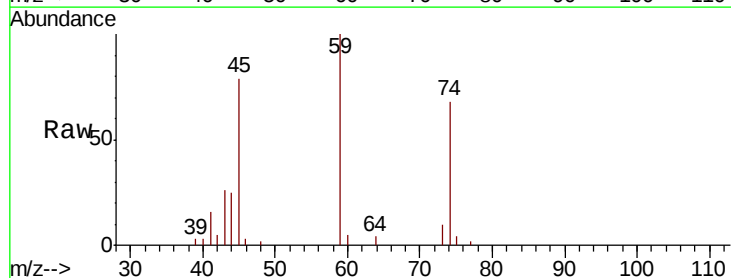
MMDadoda
10/3/2018 11:41:43 AM

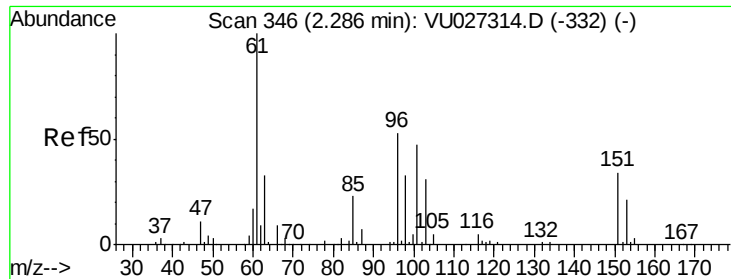


#8

Diethyl Ether
Concen: 4.925 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		4694		
45	124.6	60.4	181.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.896 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

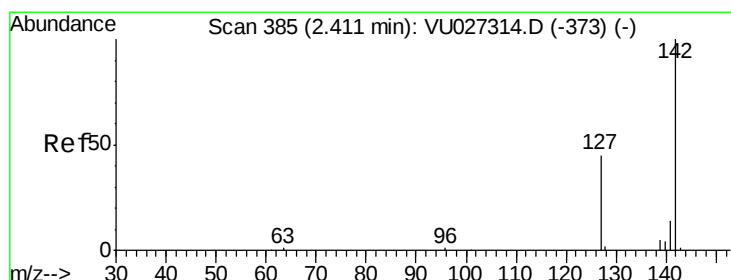
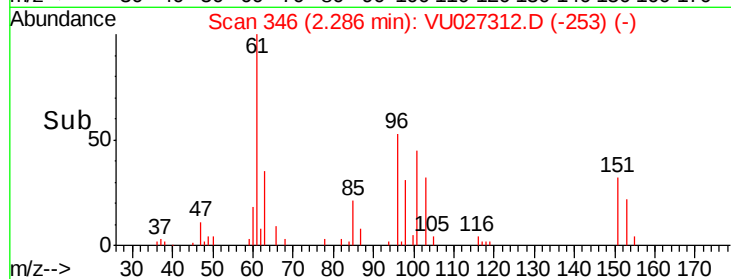
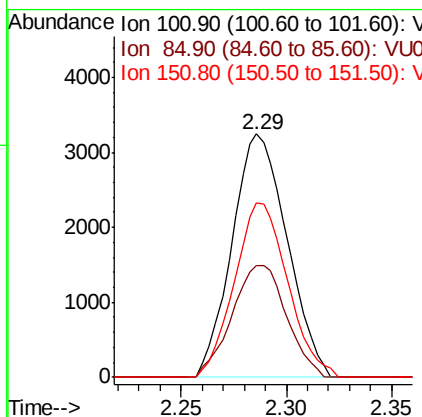
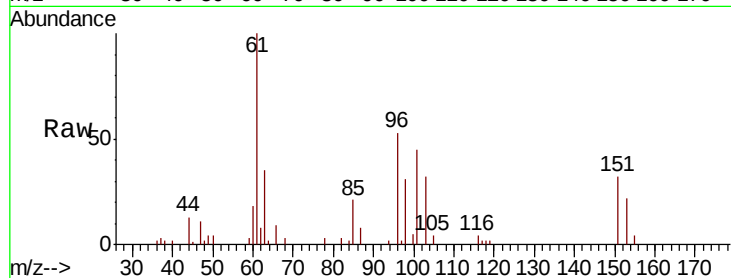
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	5883
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.5	56.3
151	69.4	55.6	83.4

Manual Integrations
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10/3/2018 11:41:43 AM



#10

Methyl Iodide

Concen: 2.643 ug/l

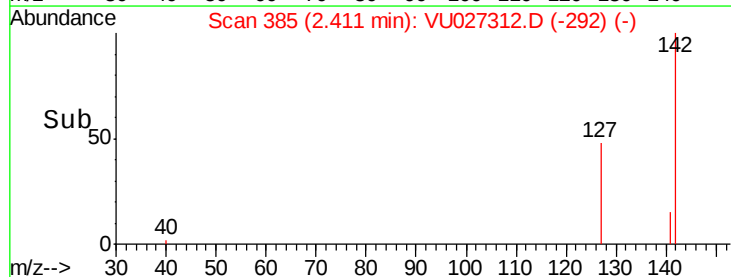
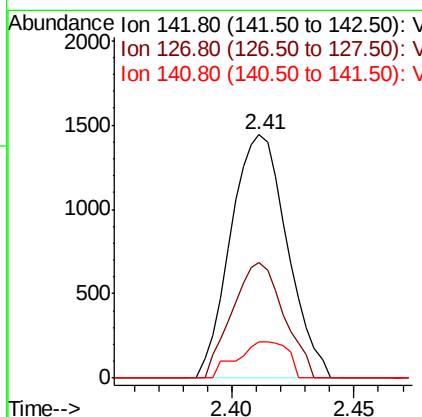
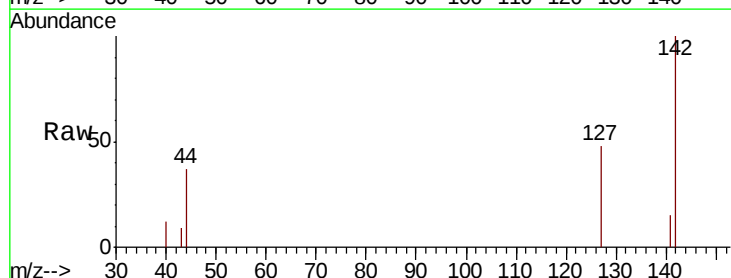
RT: 2.41 min Scan# 385

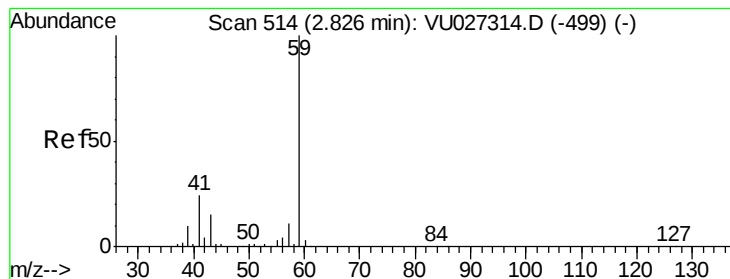
Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Tgt Ion:	142	Resp:	2312
Ion Ratio	Lower	Upper	
142	100		
127	43.5	36.3	54.5
141	13.4	11.6	17.4





#11

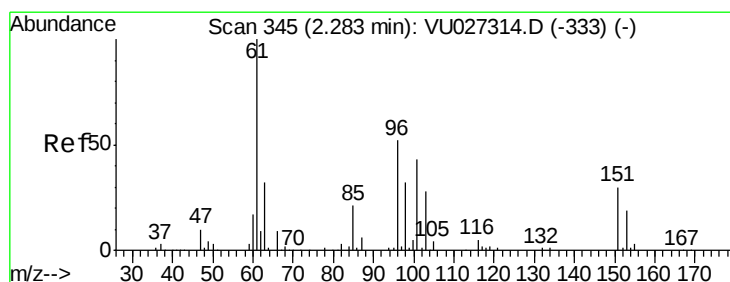
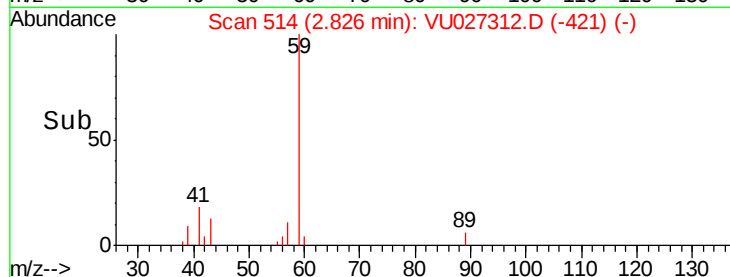
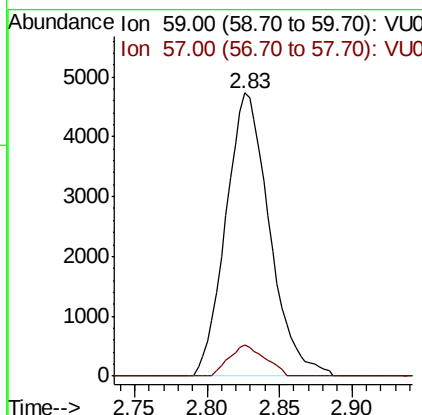
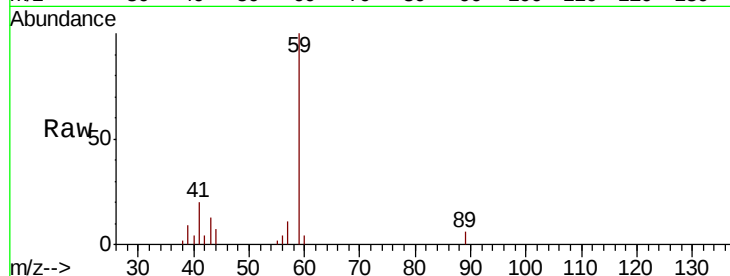
Tert butyl alcohol
Concen: 25.306 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.4	12.6

Manual Integrations
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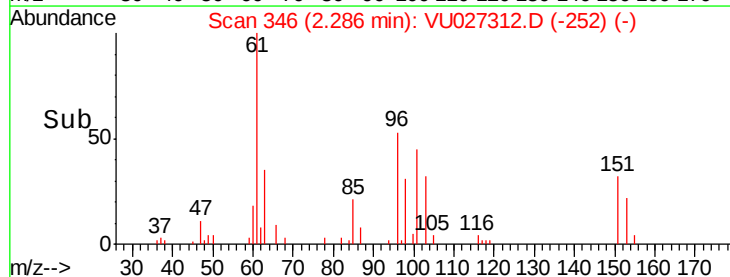
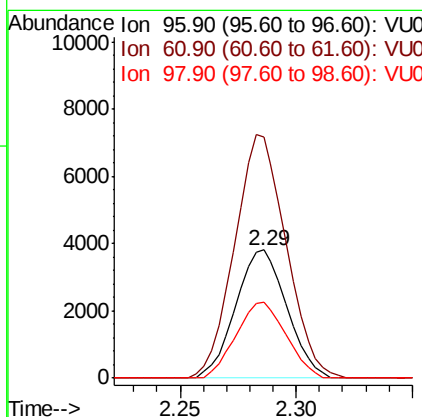
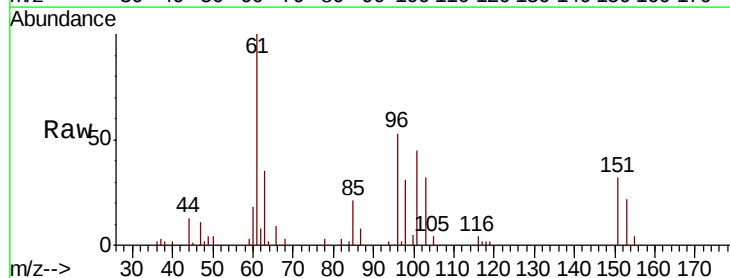
MMDadoda
10/3/2018 11:41:43 AM

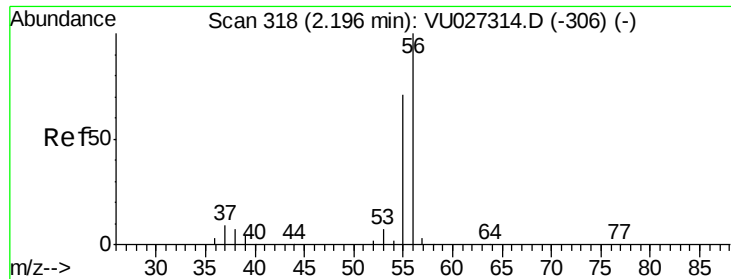


#12

1,1-Dichloroethene
Concen: 4.961 ug/l
RT: 2.29 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.6	153.0	229.6
98	59.2	49.3	73.9





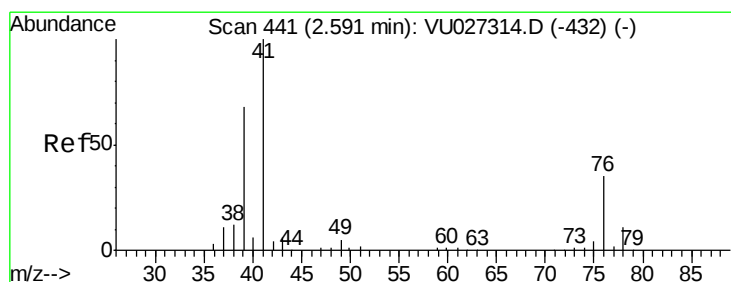
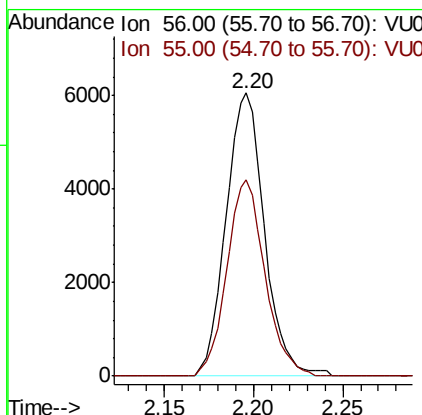
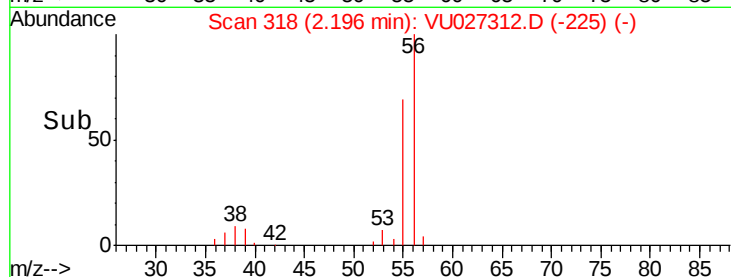
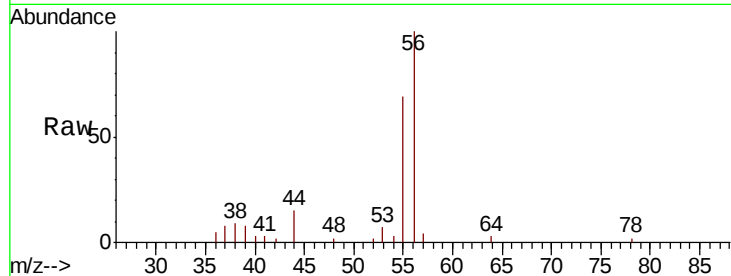
#13
 Acrolein
 Concen: 27.511 ug/l
 RT: 2.20 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.9	57.7	86.5

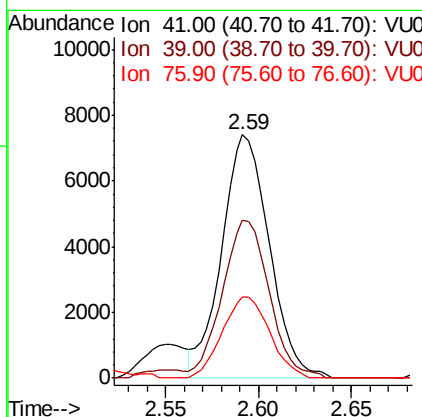
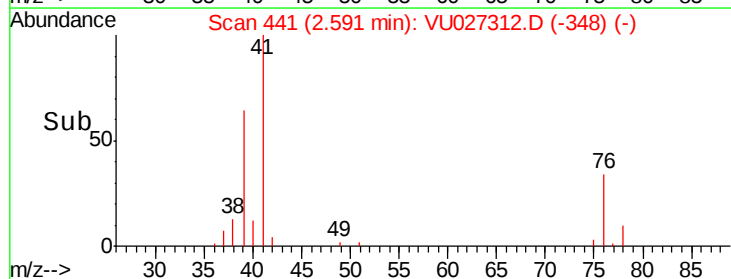
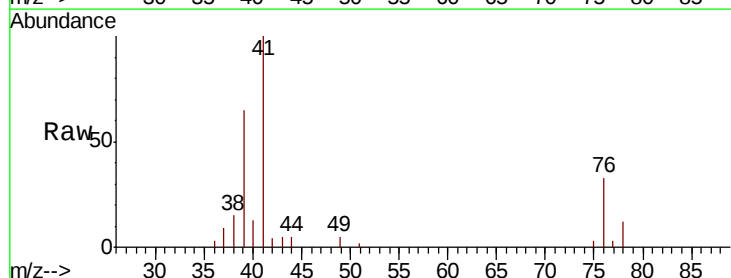
Manual Integrations
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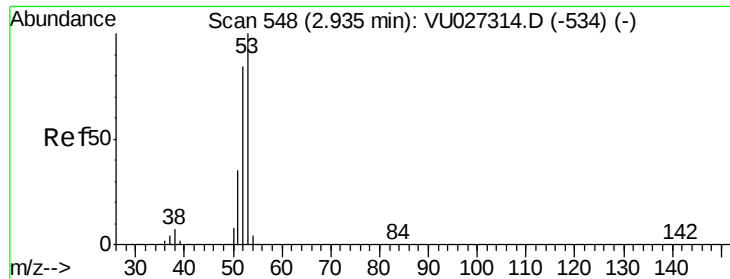
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#14
 Allyl chloride
 Concen: 4.736 ug/l
 RT: 2.59 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.7	51.8	77.8
76	33.2	25.9	38.9





#15

Acrylonitrile

Concen: 23.906 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

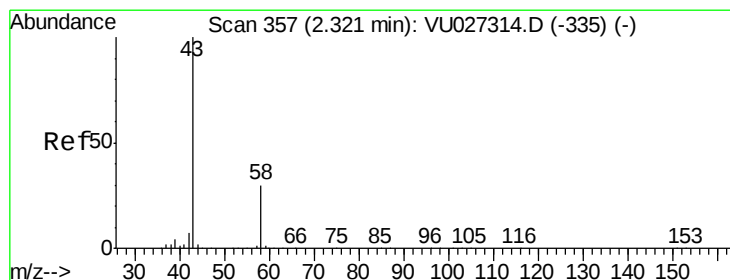
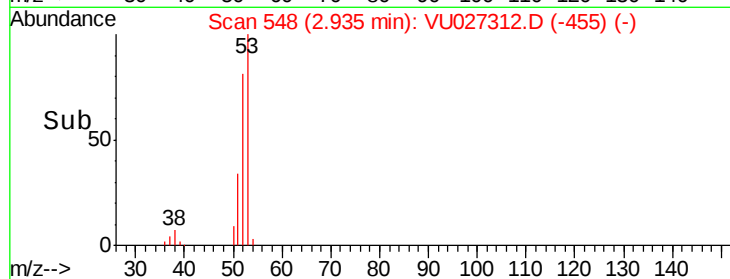
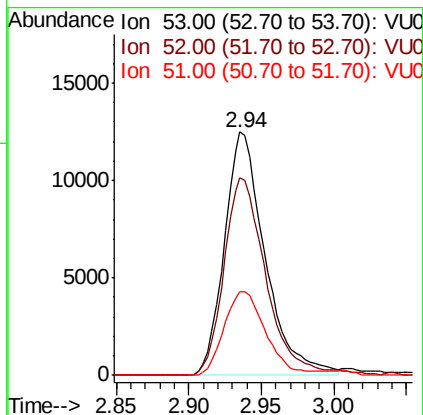
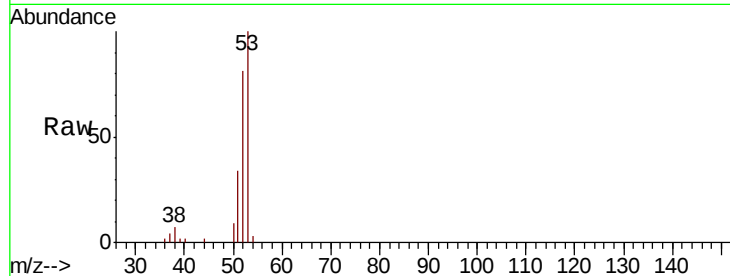
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	24314
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.5	99.7
51	35.2	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 25.911 ug/l

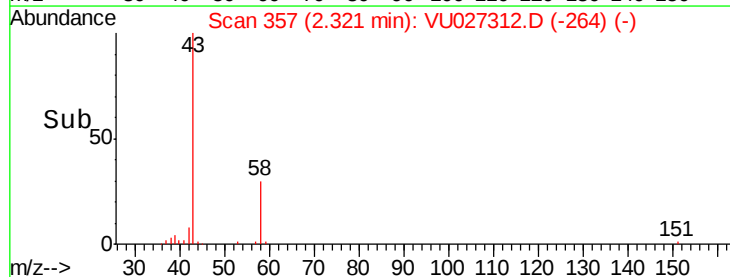
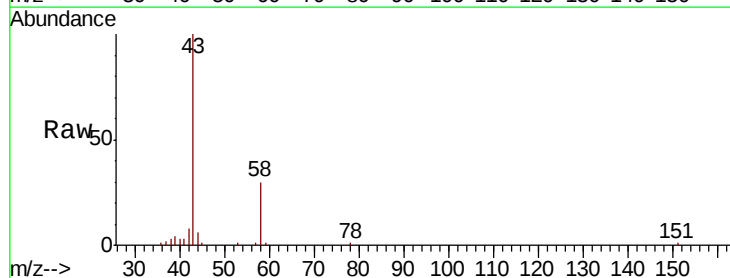
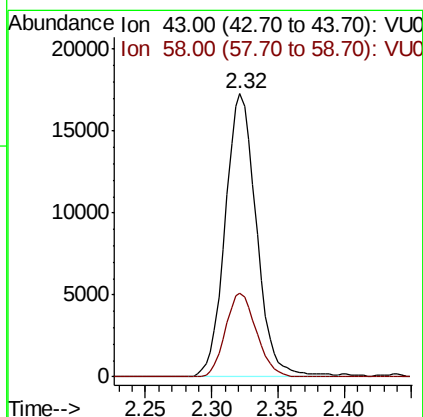
RT: 2.32 min Scan# 357

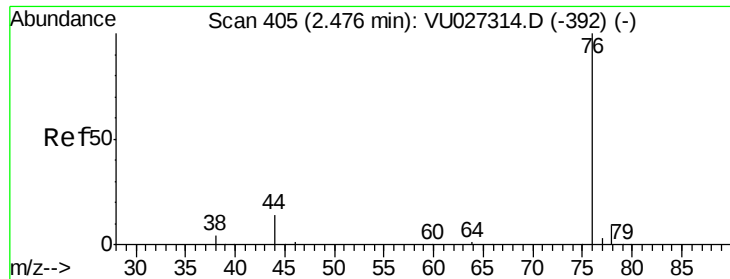
Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Tgt Ion:	43	Resp:	28405
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.2	36.4





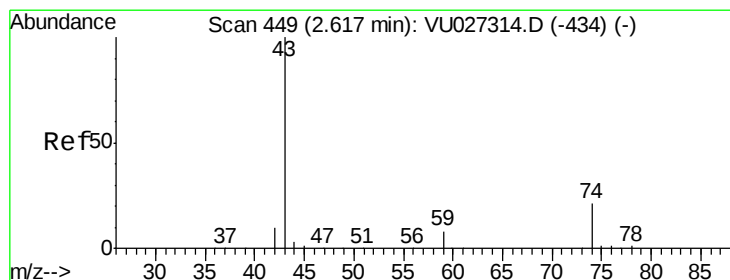
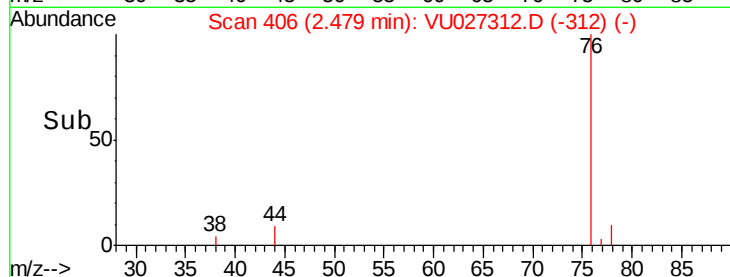
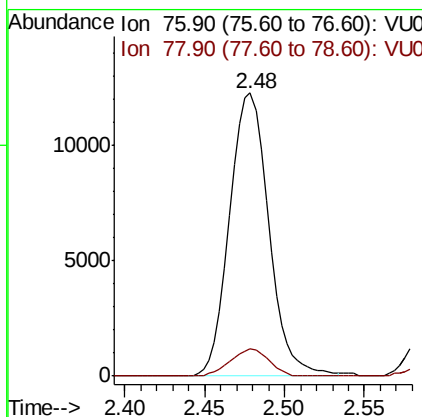
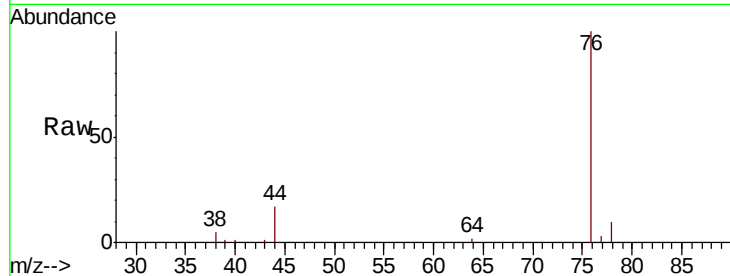
#17
Carbon Disulfide
Concen: 4.852 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9

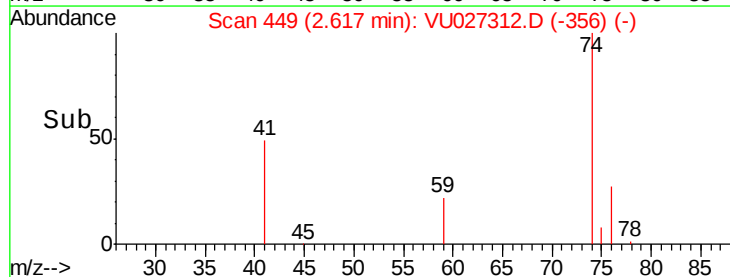
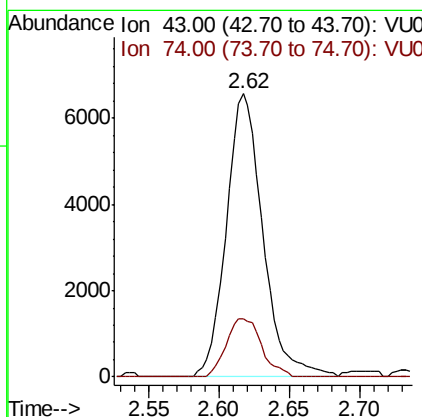
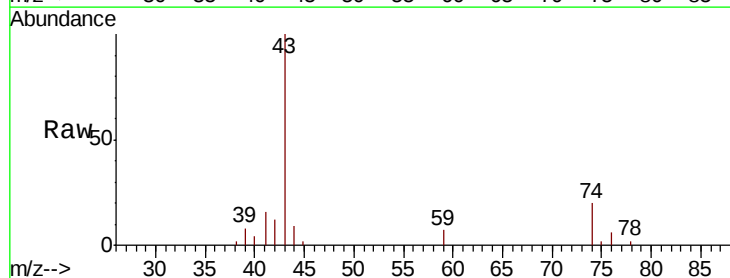
Manual Integrations
APPROVED

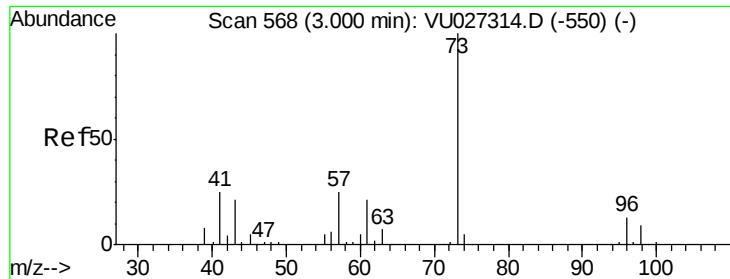
MMDadoda
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#18
Methyl Acetate
Concen: 4.754 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	16.5	24.7





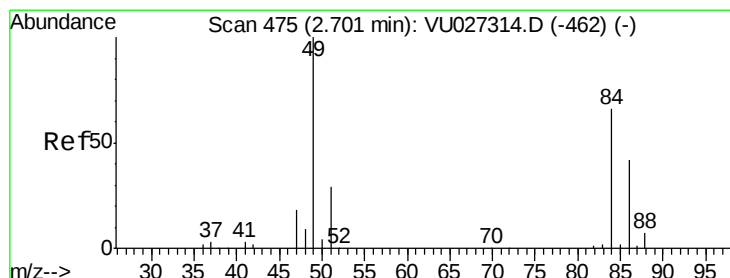
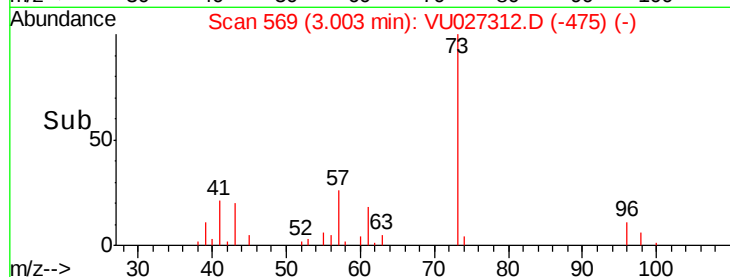
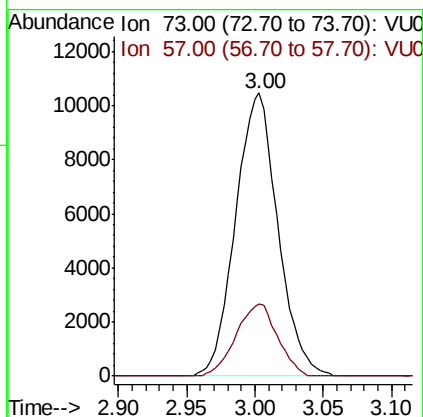
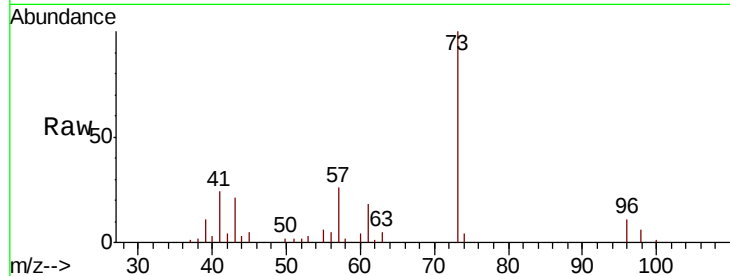
#19
Methvl tert-butvl Ether
Concen: 4.792 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 22537
Ion Ratio Lower Upper
73 100
57 25.6 20.0 30.0

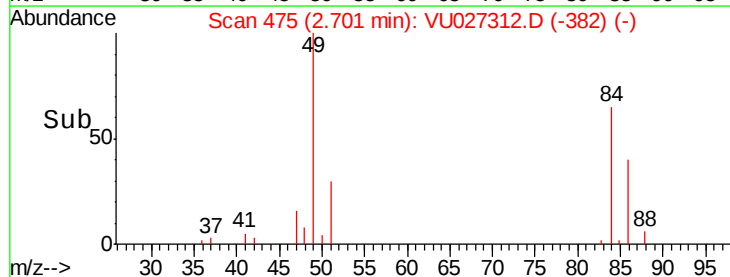
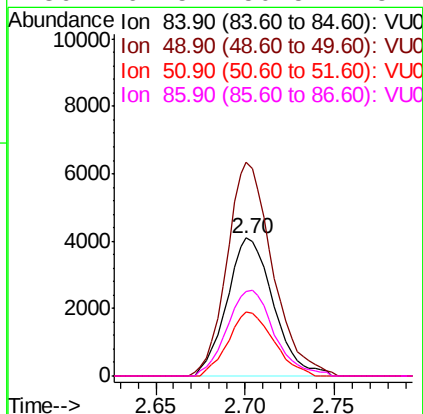
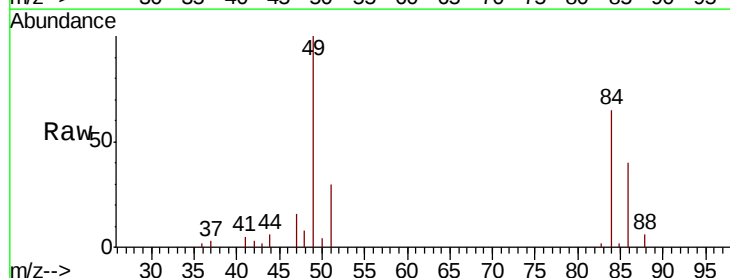
Manual Integrations
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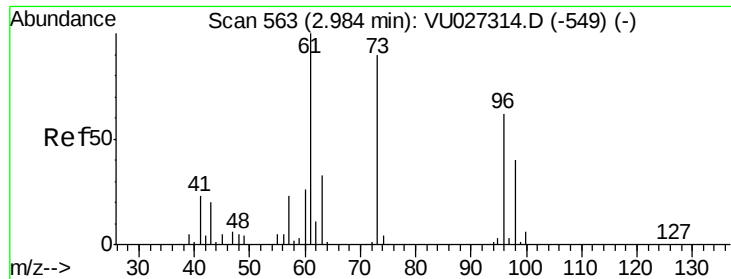
MMDadoda
10/3/2018 11:41:43 AM



#20
Methylene Chloride
Concen: 4.860 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion: 84 Resp: 7421
Ion Ratio Lower Upper
84 100
49 154.9 120.5 180.7
51 46.4 35.1 52.7
86 61.5 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 4.950 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 6523

Ion Ratio Lower Upper

96 100

61 167.9 129.4 194.2

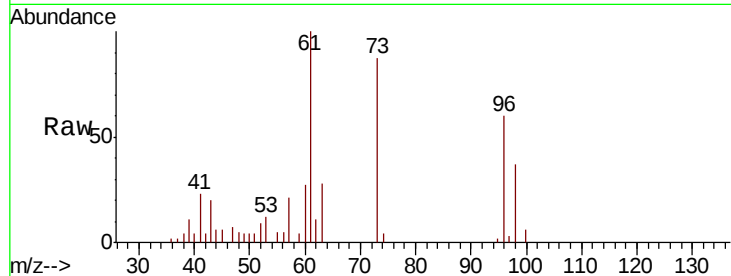
98 62.7 51.2 76.8

Manual Integrations

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MMDadoda

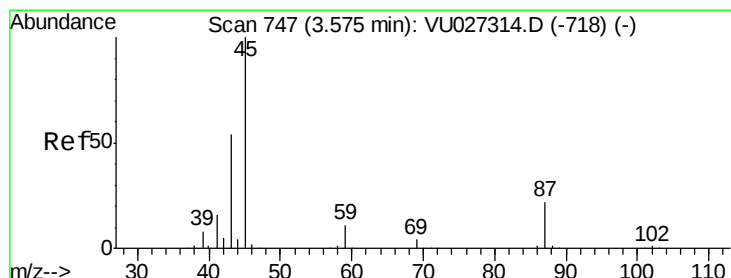
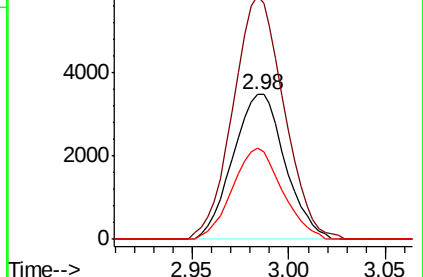
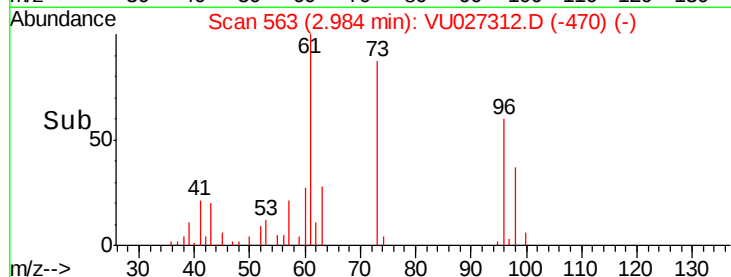
10/3/2018 11:41:43 AM



Abundance Ion 95.90 (95.60 to 96.60): VU027312.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU027312.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU027312.D (-470) (-)



#22

Diisopropyl ether

Concen: 4.900 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Tgt Ion: 45 Resp: 27761

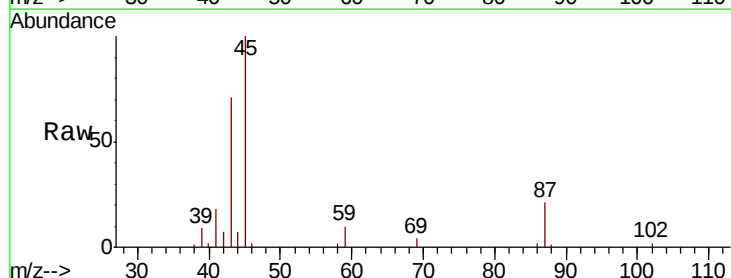
Ion Ratio Lower Upper

45 100

43 67.4 43.4 65.2#

87 21.1 17.5 26.3

59 10.4 8.6 13.0

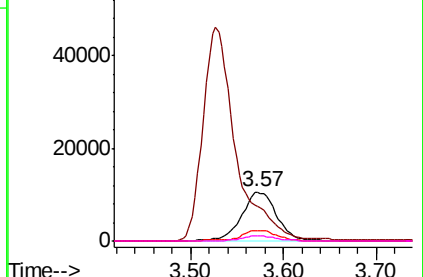
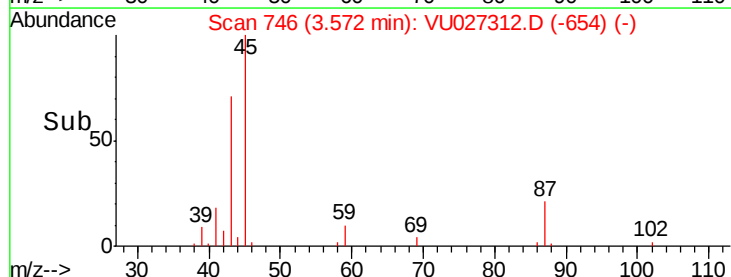


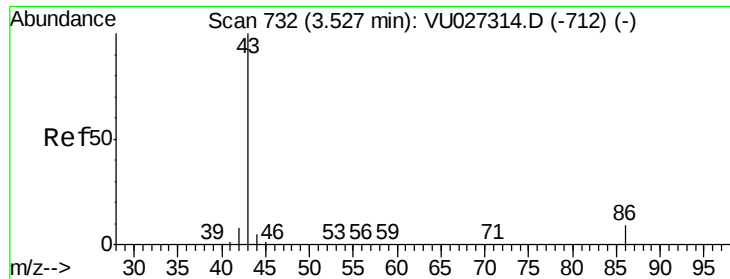
Abundance Ion 45.00 (44.70 to 45.70): VU027312.D (-654) (-)

Ion 43.00 (42.70 to 43.70): VU027312.D (-654) (-)

Ion 87.00 (86.70 to 87.70): VU027312.D (-654) (-)

Ion 59.00 (58.70 to 59.70): VU027312.D (-654) (-)





#23

Vinyl Acetate

Concen: 22.971 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 113660

Ion Ratio Lower Upper

43 100

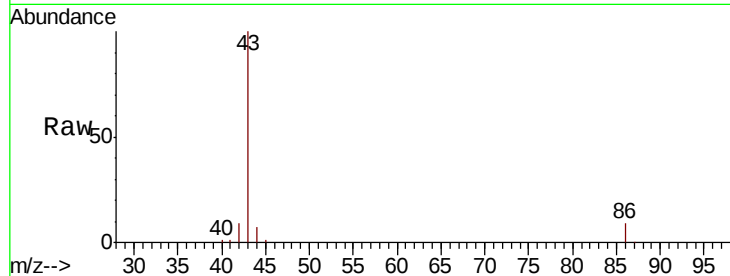
86 8.8 7.0 10.4

Manual Integrations

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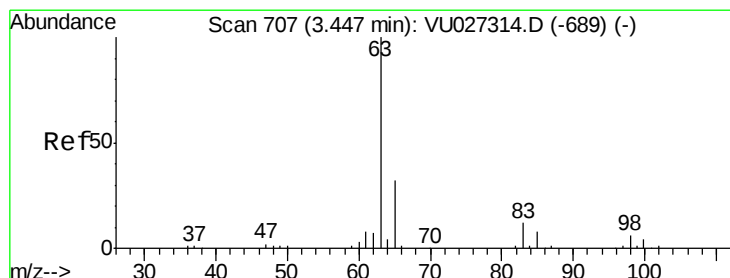
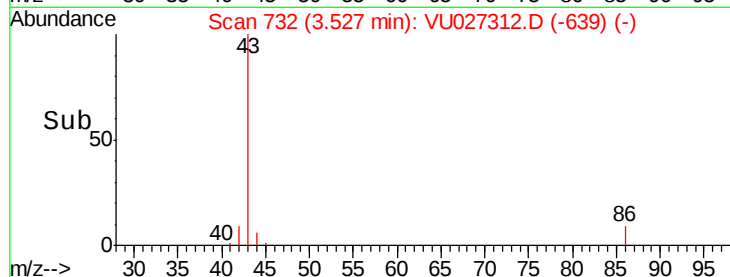
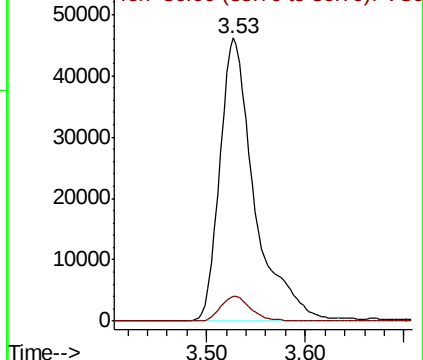
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 4.910 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

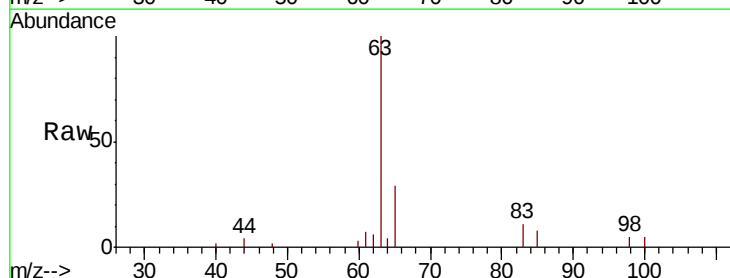
Tgt Ion: 63 Resp: 14301

Ion Ratio Lower Upper

63 100

98 5.1 3.0 9.2

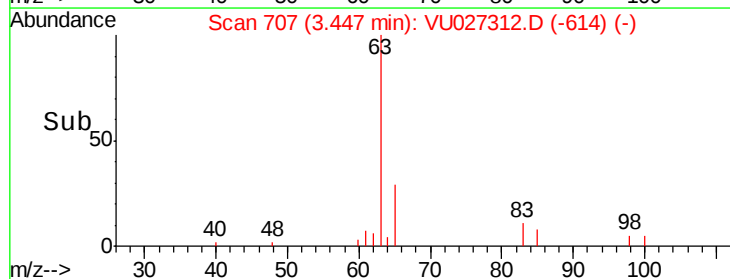
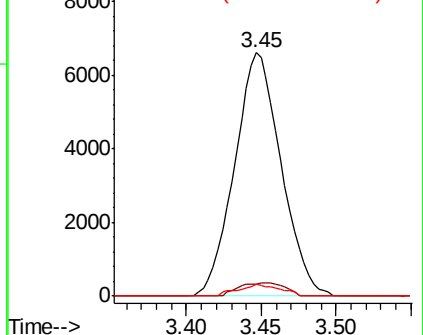
100 4.6 1.8 5.5

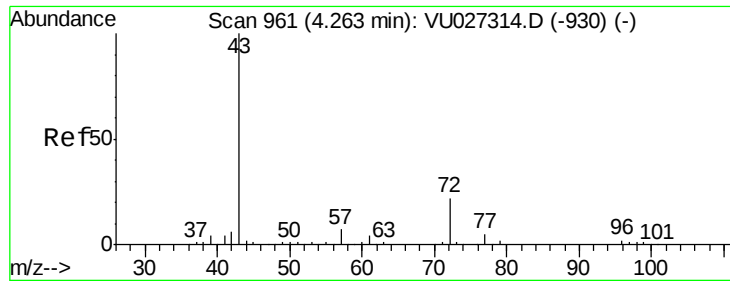


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 25.090 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 37507

Ion Ratio Lower Upper

43 100

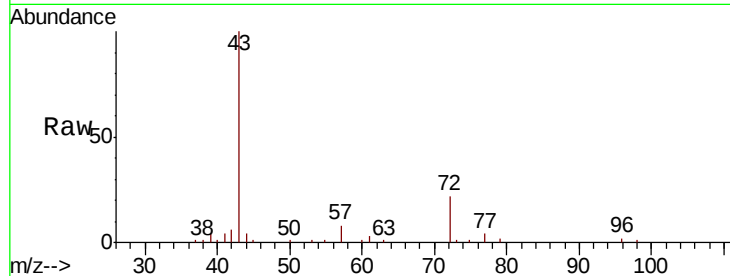
72 22.6 17.8 26.6

Manual Integrations

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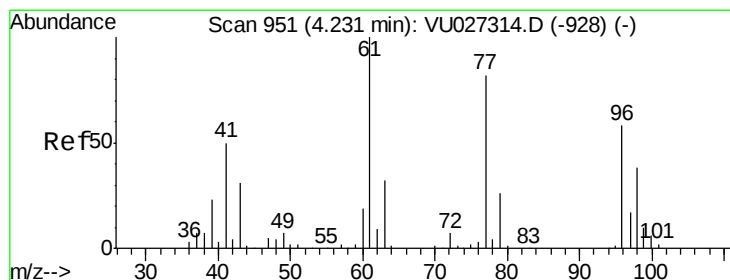
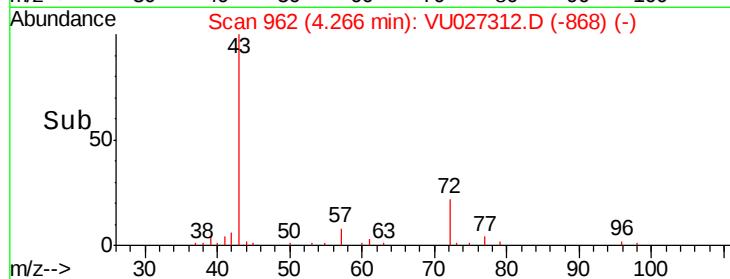
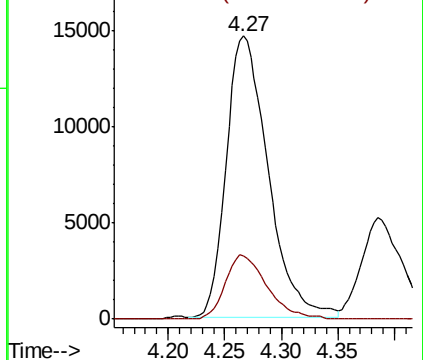
MMDadoda

10/3/2018 11:41:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 4.948 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027312.D

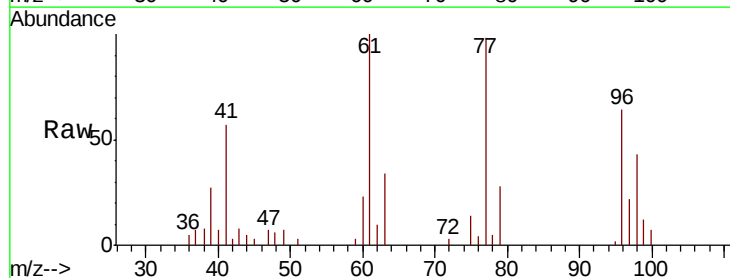
Acq: 01 Oct 2018 10:30

Tgt Ion: 77 Resp: 11842

Ion Ratio Lower Upper

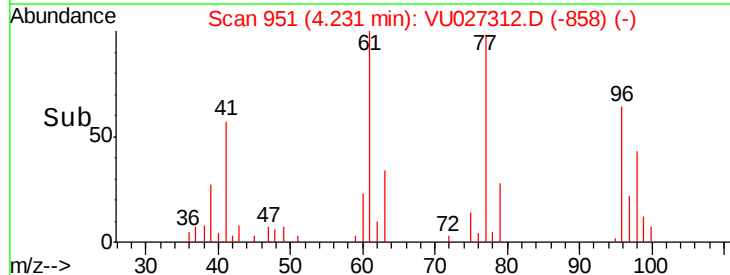
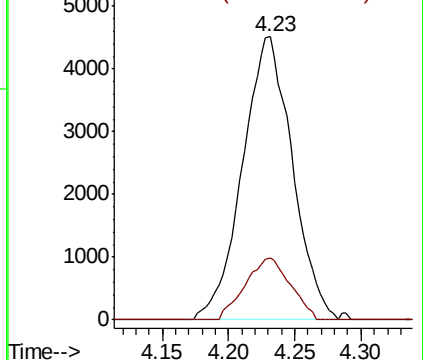
77 100

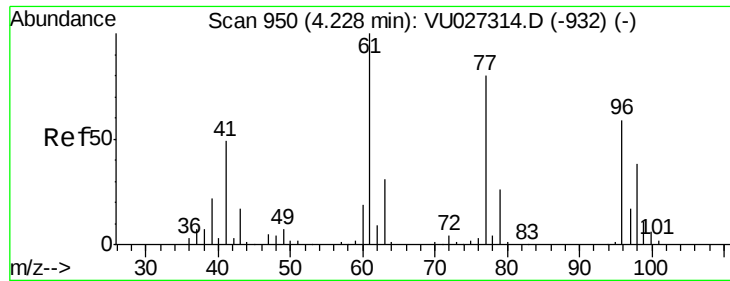
97 19.9 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

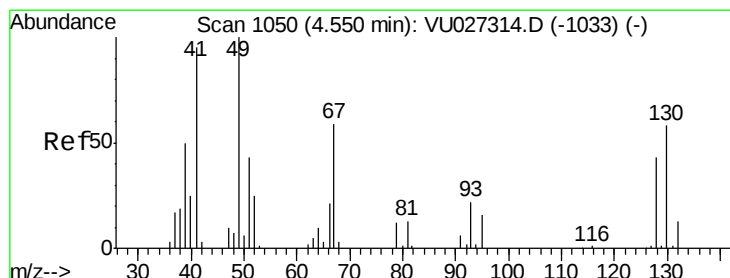
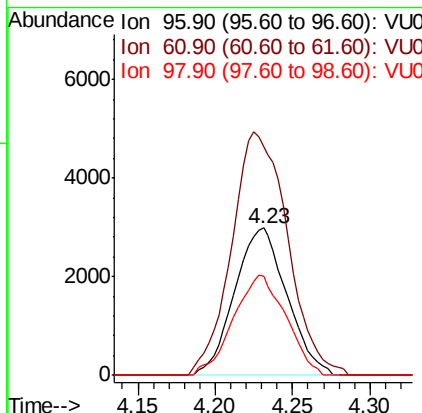
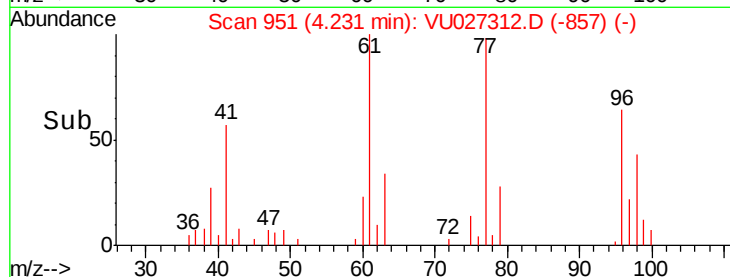
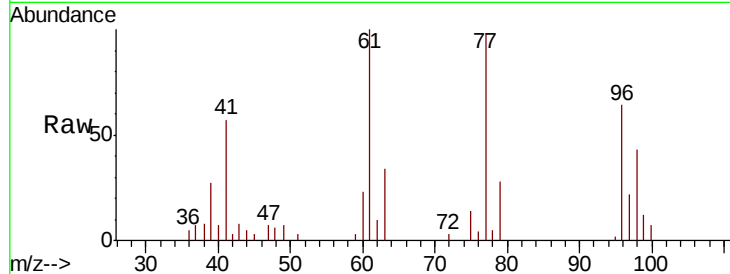
cis-1,2-Dichloroethene
Concen: 4.660 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	176.4	0.0	343.8
98	68.0	0.0	129.0

Manual Integrations
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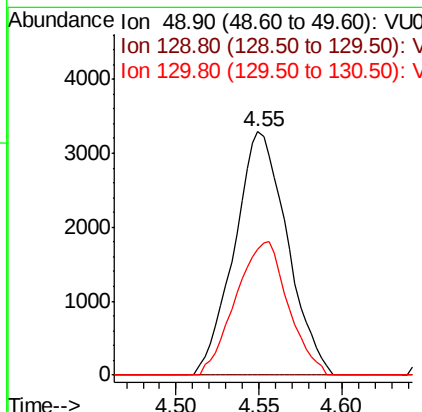
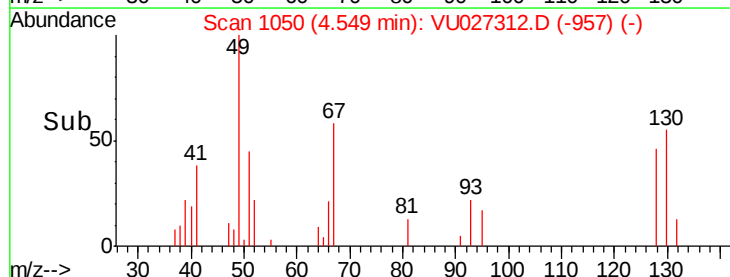
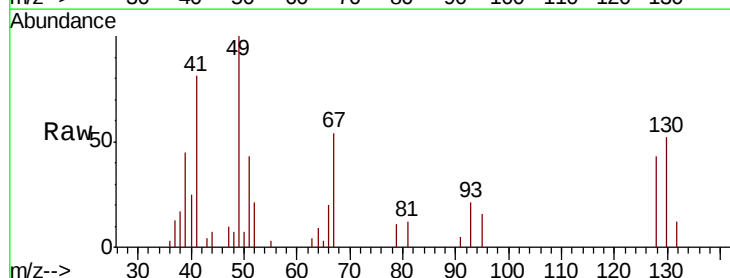
MMDadoda
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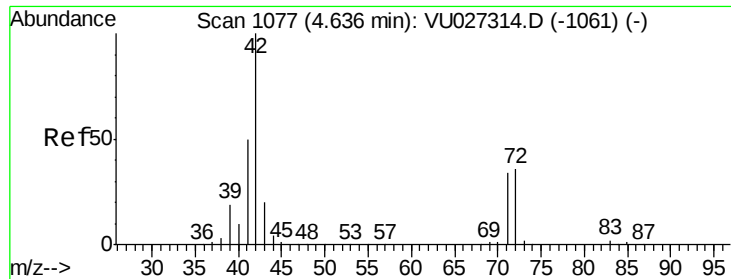


#28

Bromochloromethane
Concen: 5.197 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	54.3	46.1	69.1





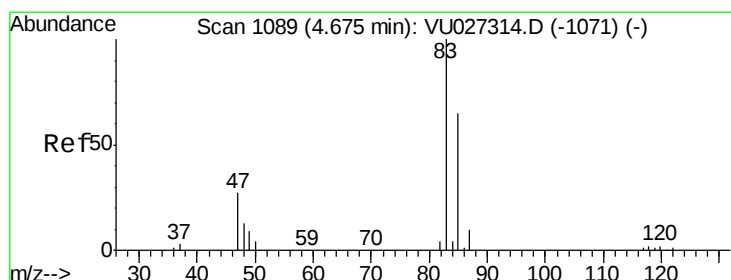
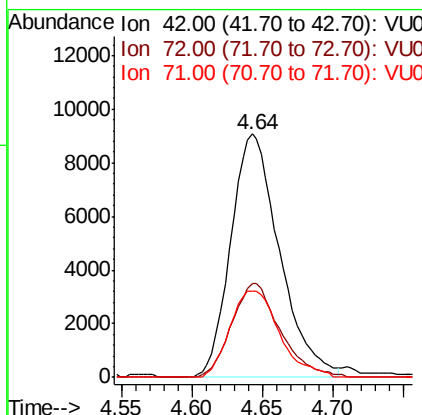
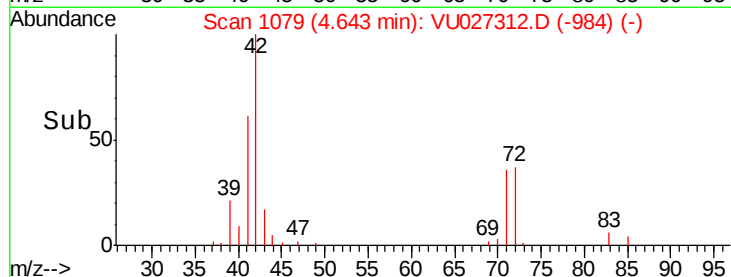
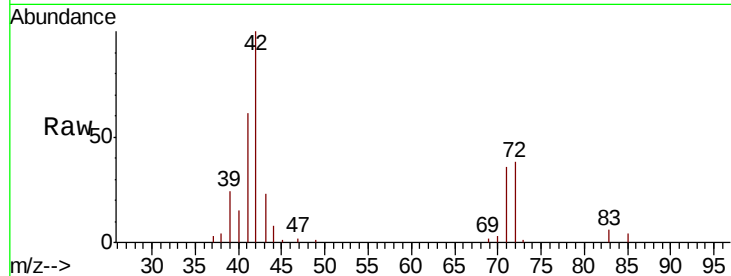
#29
Tetrahydrofuran
Concen: 23.308 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.1	45.1
71	36.0	27.7	41.5

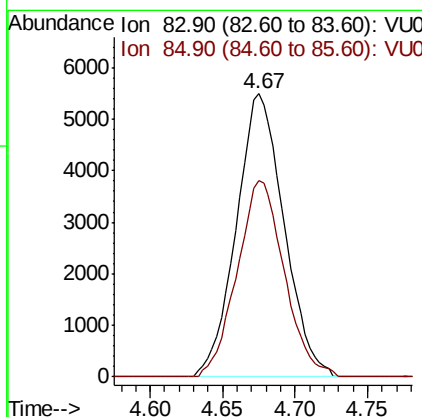
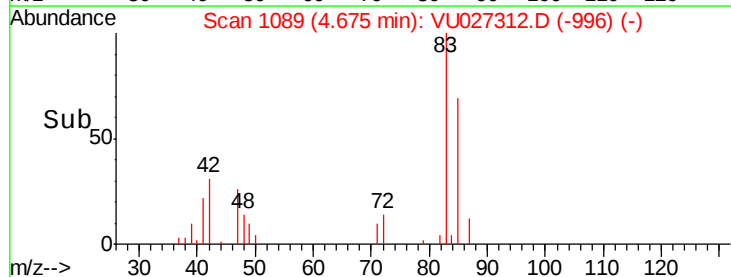
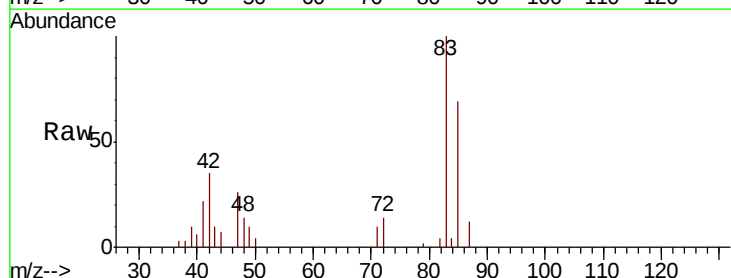
Manual Integrations
APPROVED

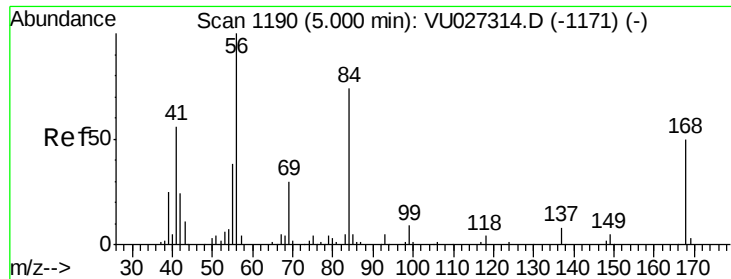
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10/3/2018 11:41:43 AM



#30
Chloroform
Concen: 4.847 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.3	51.8	77.6





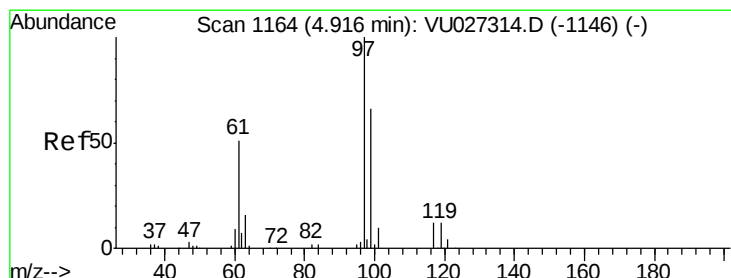
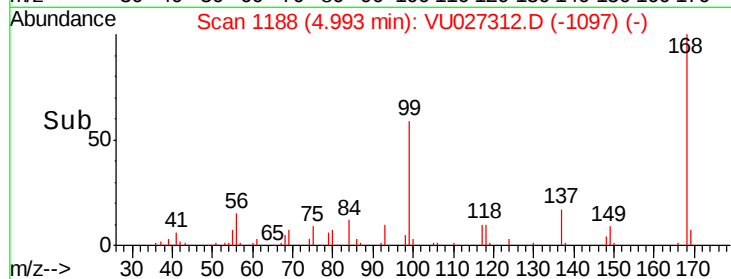
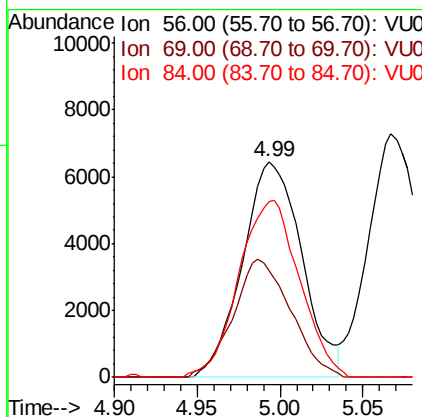
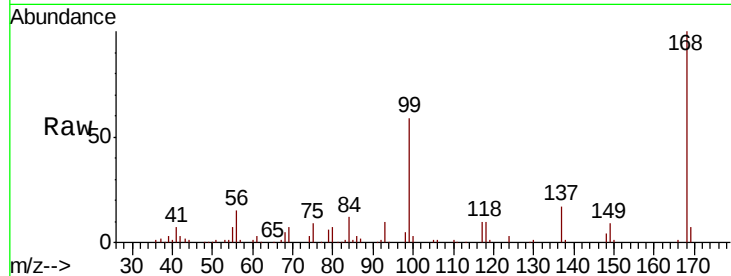
#31
Cyclohexane
Concen: 4.716 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	49.3	24.1	36.1#
84	79.7	59.1	88.7

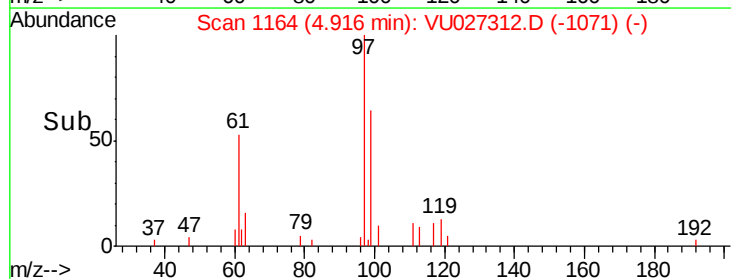
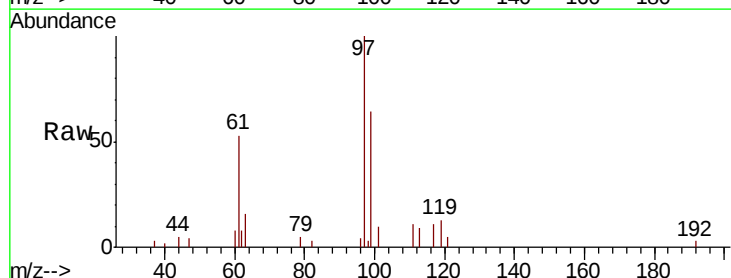
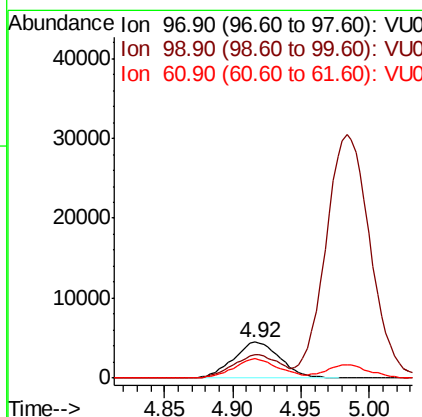
Manual Integrations
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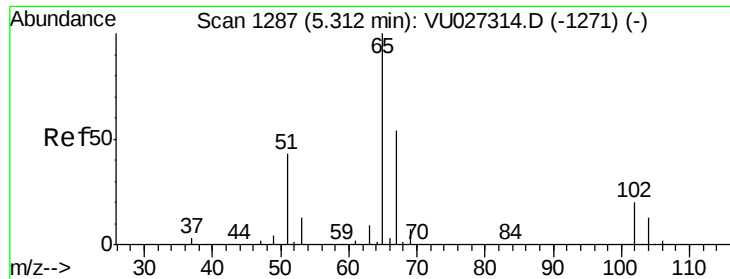
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#32
1,1,1-Trichloroethane
Concen: 4.907 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.1	76.7
61	52.3	39.6	59.4





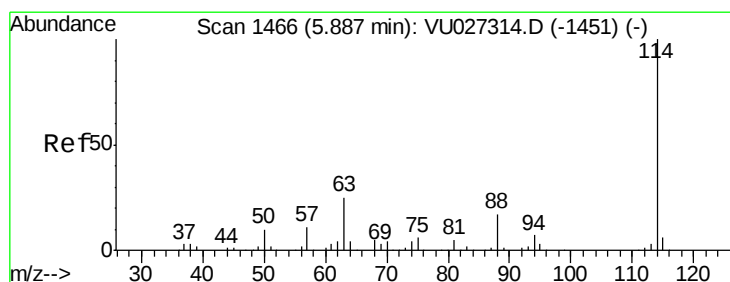
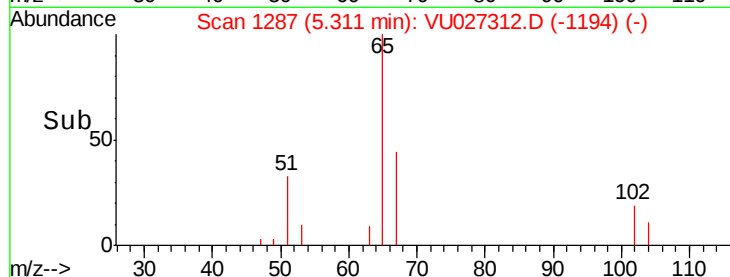
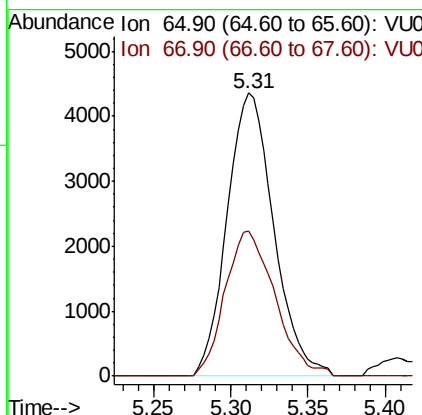
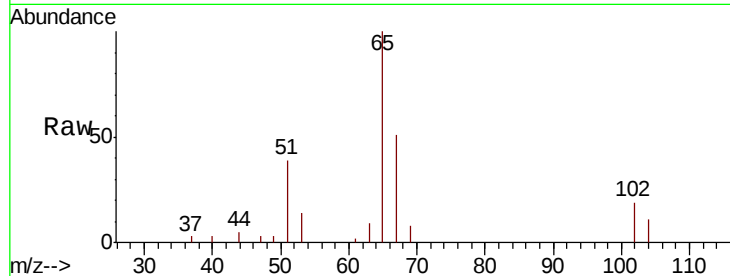
#33
 1,2-Dichloroethane-d4
 Concen: 5.182 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	107.8

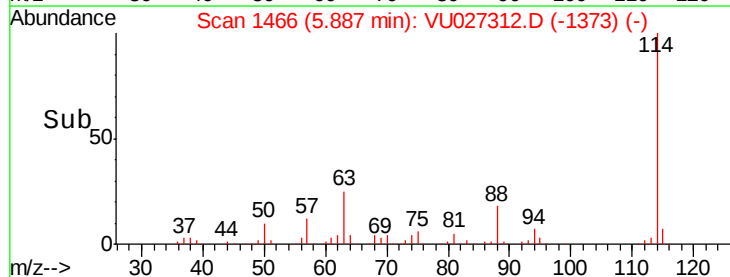
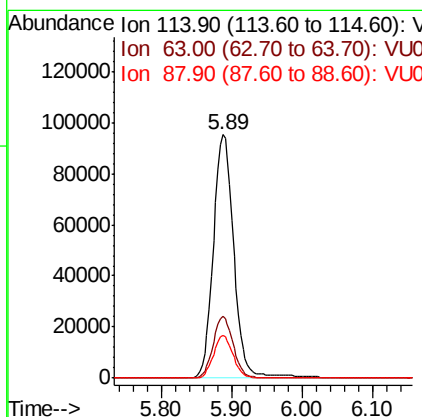
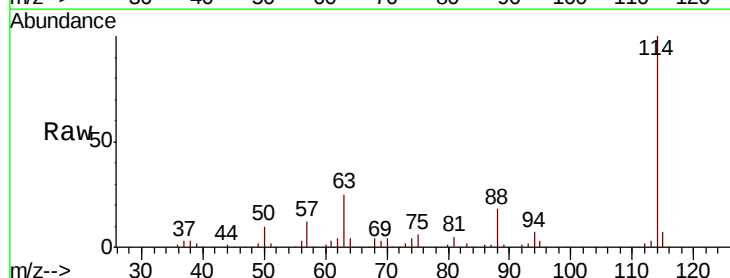
Manual Integrations
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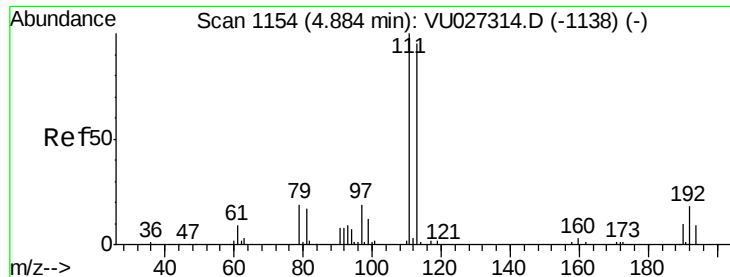
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 10/3/2018 11:41:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	50.2
88	17.7	0.0	33.8





#35

Dibromofluoromethane

Concen: 5.044 ug/l

RT: 4.89 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

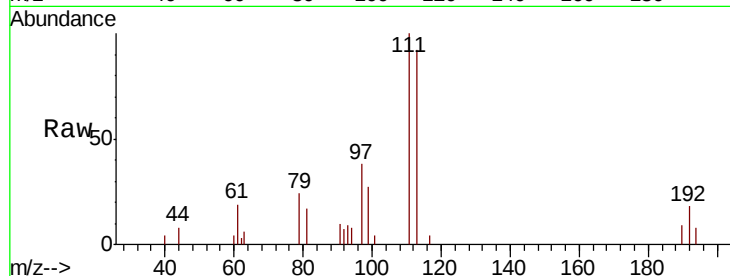
ClientSampleId :

VSTDIC005

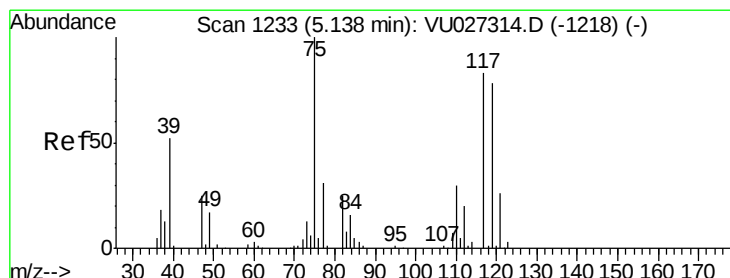
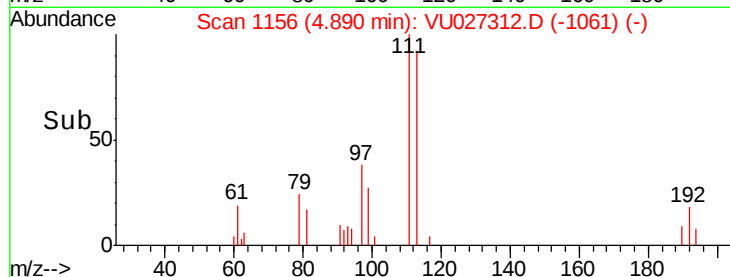
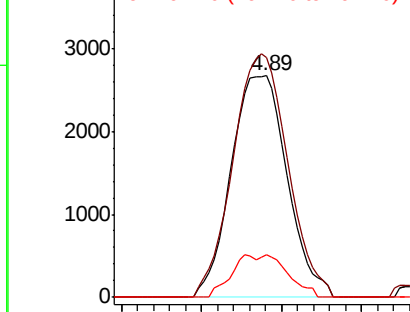
Tot Ion	Ratio	Lower	Upper
113	100		
111	107.4	83.1	124.7
192	8.7	15.4	23.0

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



#36

1,1-Dichloropropene

Concen: 4.763 ug/l

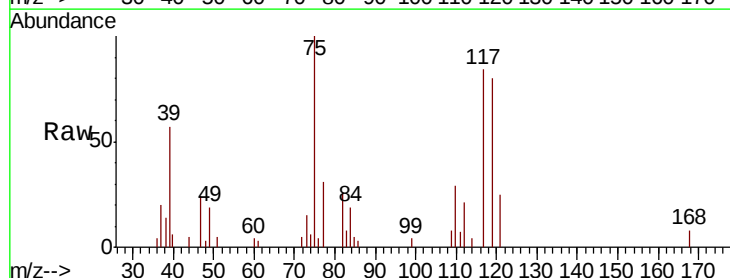
RT: 5.14 min Scan# 1234

Delta R.T. 0.00 min

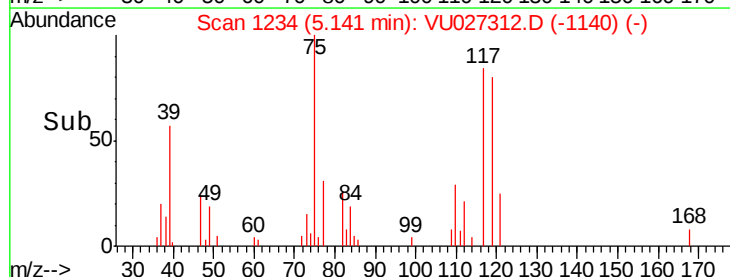
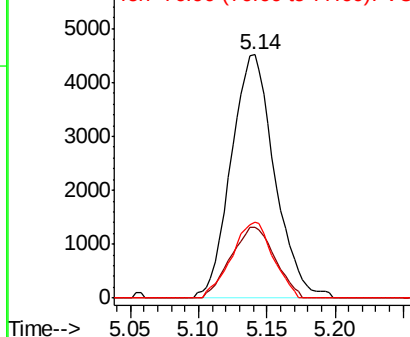
Lab File: VU027312.D

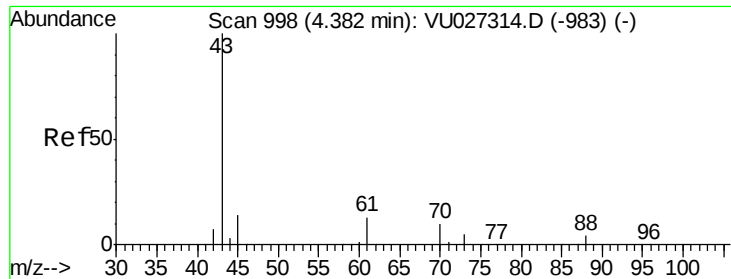
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.6	15.5	46.5
77	29.7	25.4	38.0



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





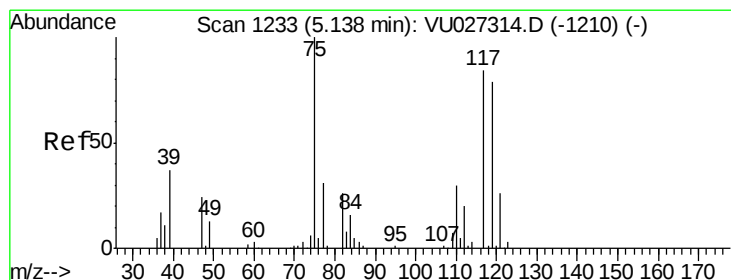
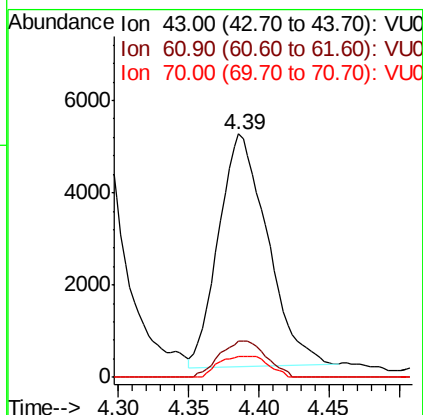
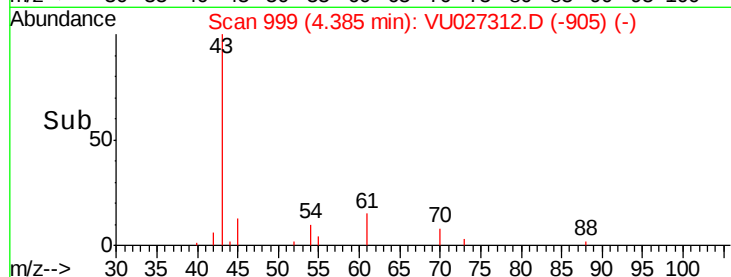
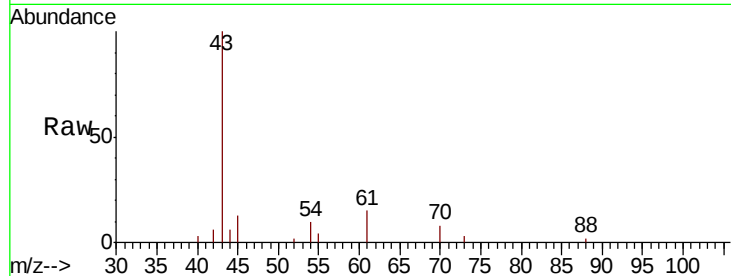
#37
Ethyl Acetate
Concen: 4.690 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.7	16.1
70	9.1	7.4	11.2

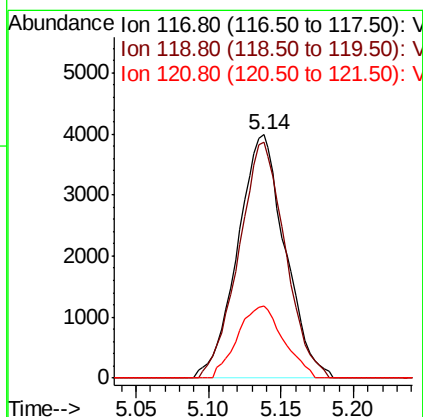
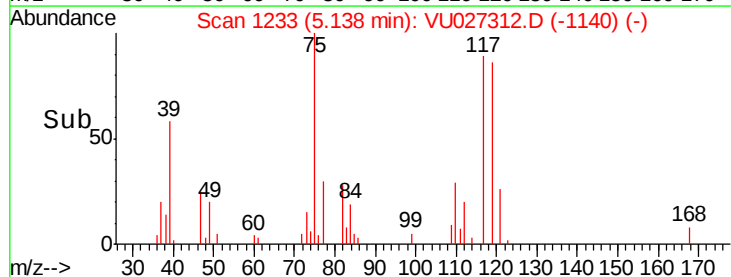
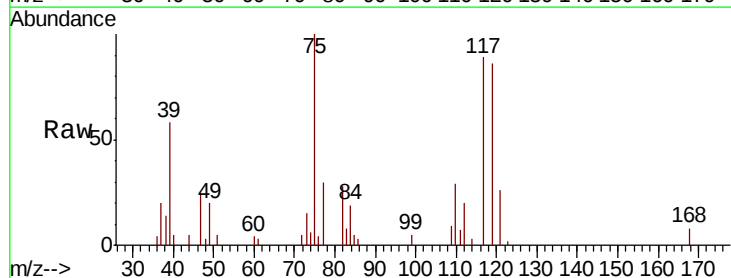
Manual Integrations
APPROVED

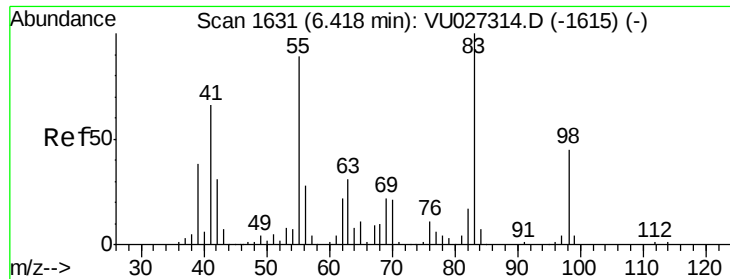
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#38
Carbon Tetrachloride
Concen: 4.794 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	74.5	111.7
121	29.6	24.6	37.0





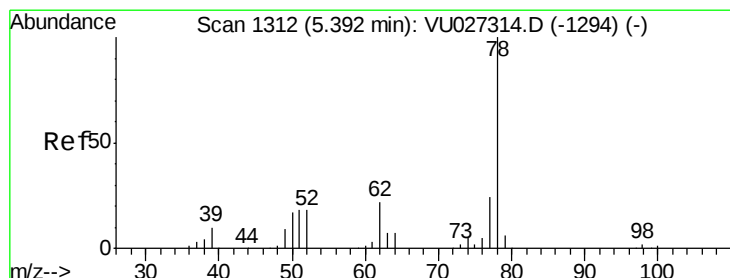
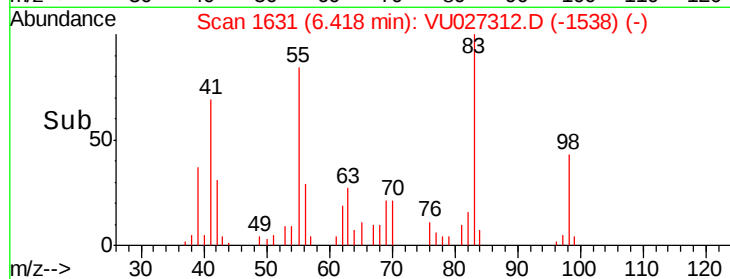
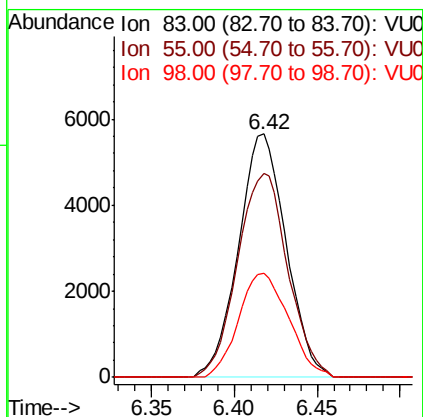
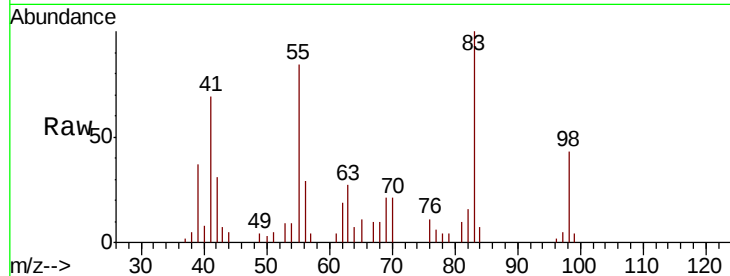
#39
Methylvlcyclohexane
Concen: 4.592 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.8	71.1	106.7
98	43.0	36.3	54.5

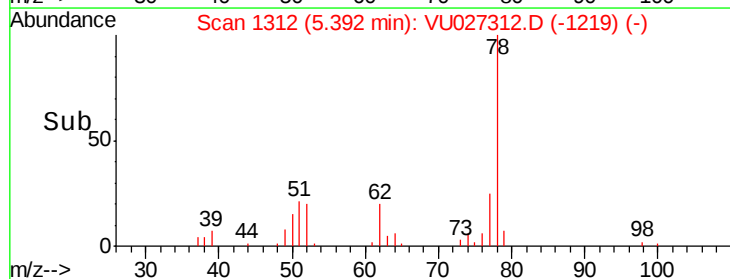
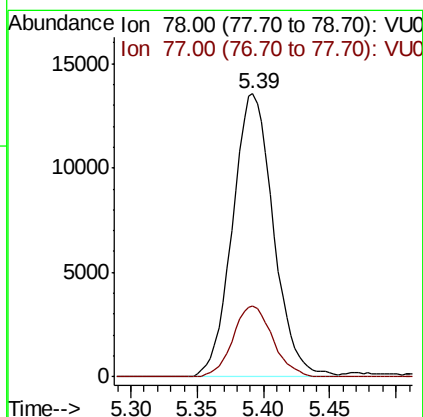
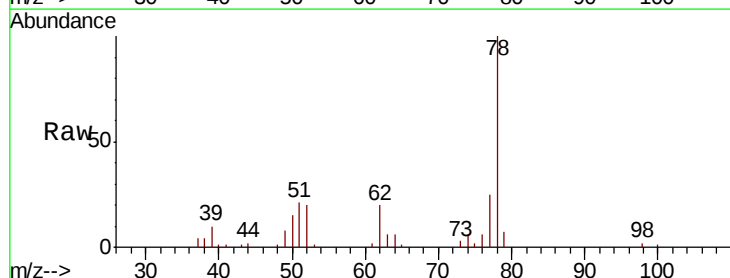
Manual Integrations
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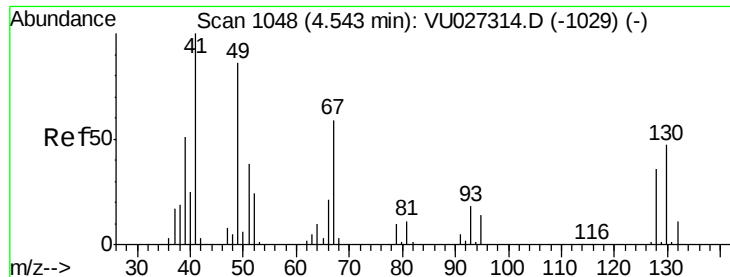
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#40
Benzene
Concen: 4.763 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.3	28.9





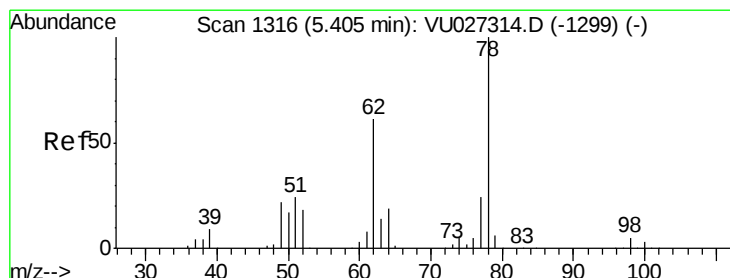
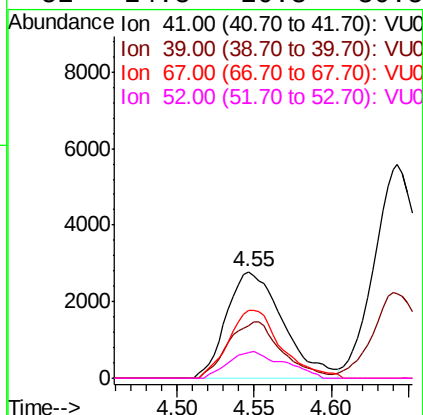
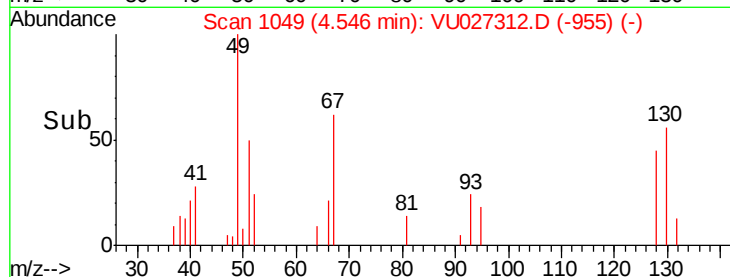
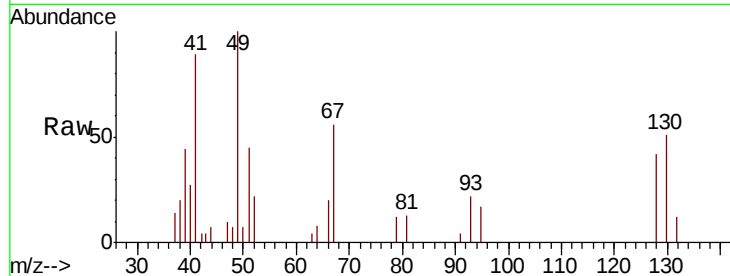
#41
Methacrylonitrile
Concen: 4.604 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	7057
Ion	Ratio	Lower	Upper
41	100		
39	50.5	41.1	61.7
67	59.1	50.4	75.6
52	24.8	20.3	30.5

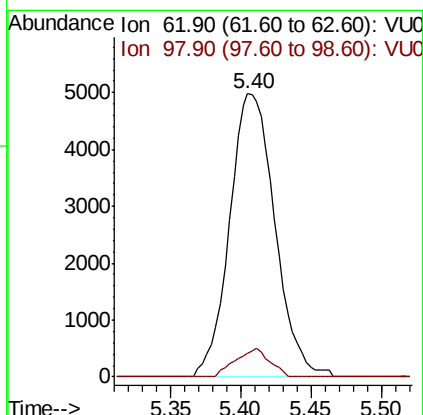
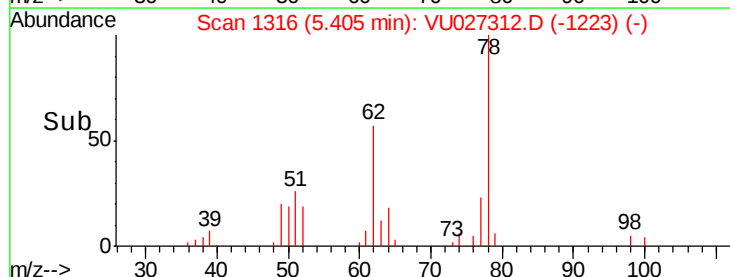
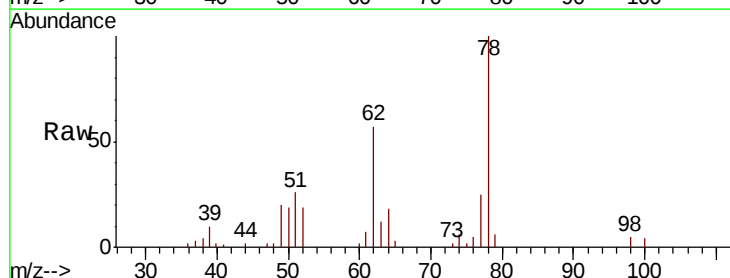
Manual Integrations
APPROVED

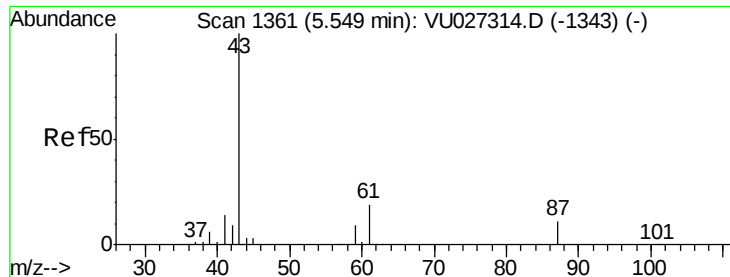
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#42
1,2-Dichloroethane
Concen: 4.924 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion:	62	Resp:	11173
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	16.8





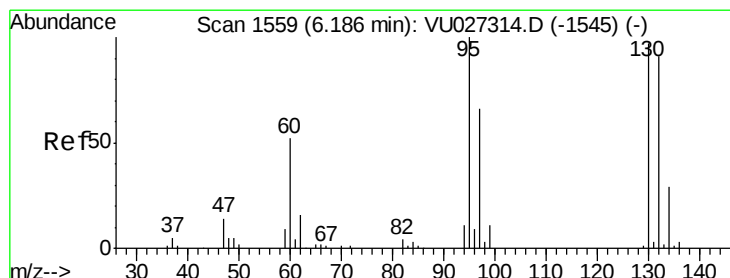
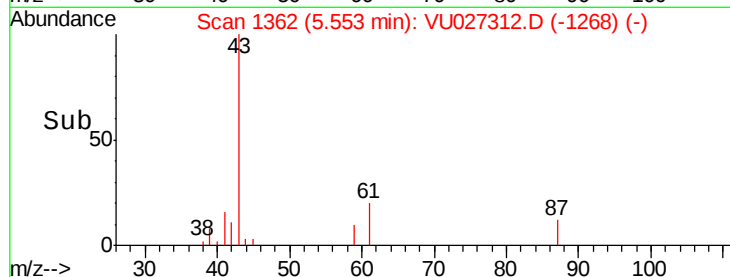
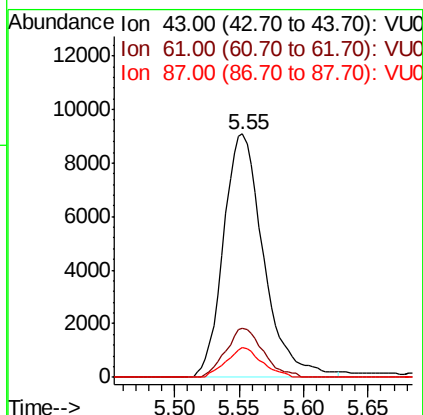
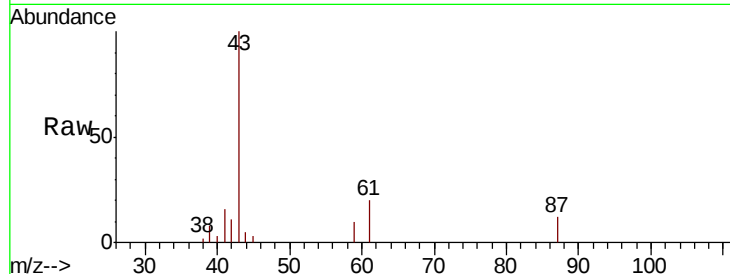
#43
Isopropyl Acetate
Concen: 4.668 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.3	22.9
87	10.9	8.6	13.0

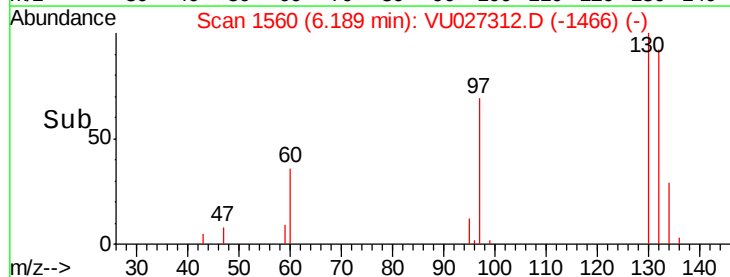
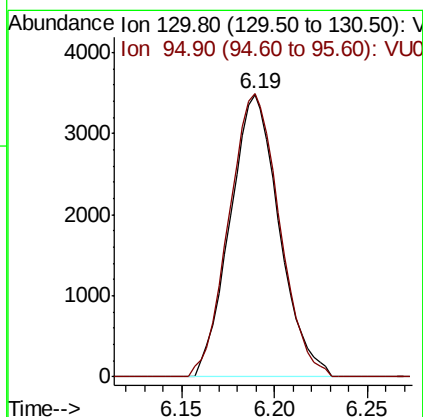
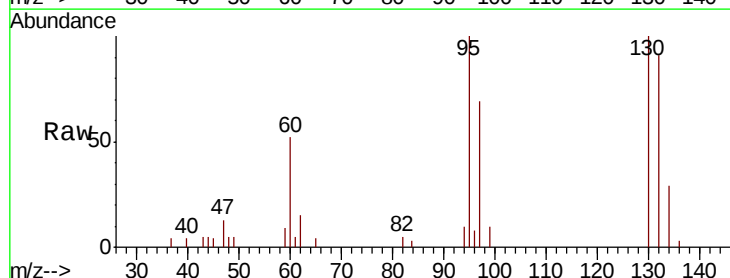
Manual Integrations
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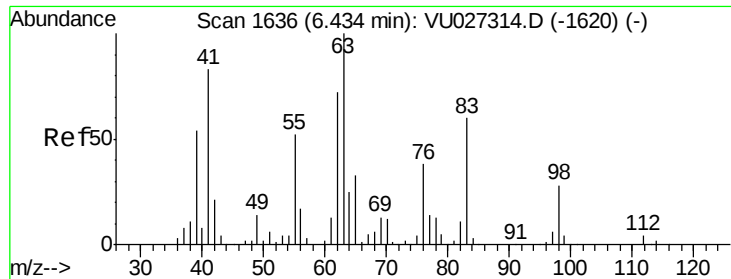
MMDadoda
10/3/2018 11:41:43 AM



#44
Trichloroethene
Concen: 4.712 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	207.0





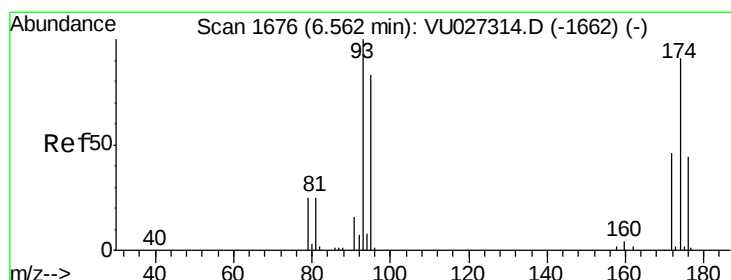
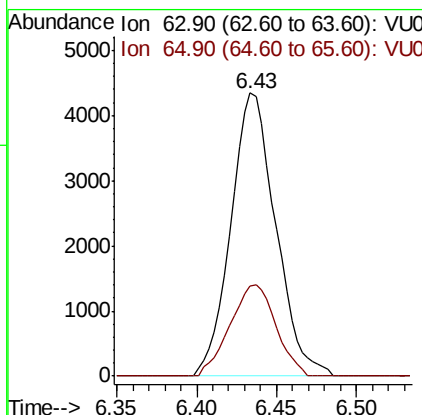
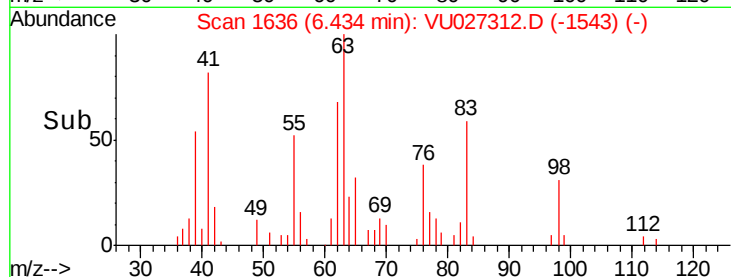
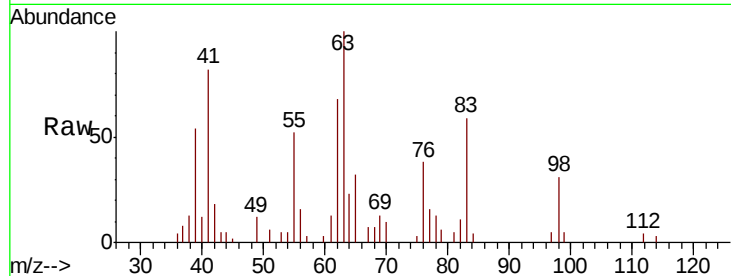
#45
 1,2-Dichloropropane
 Concen: 4.717 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 8316
 Ion Ratio Lower Upper
 63 100
 65 31.9 26.0 39.0

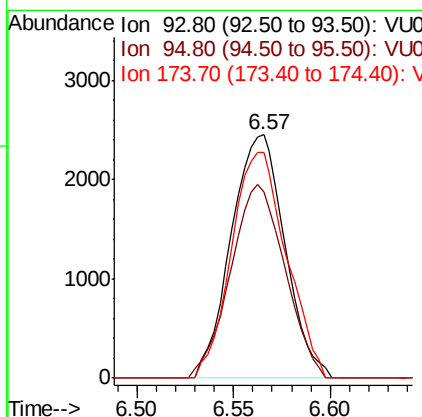
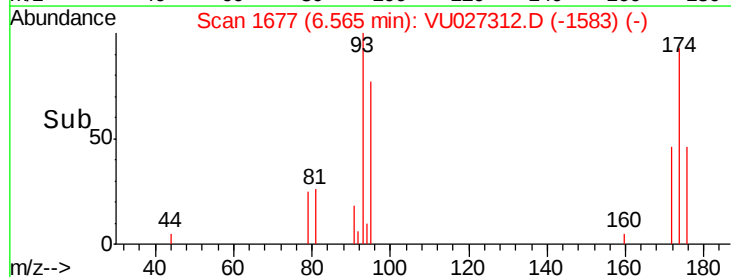
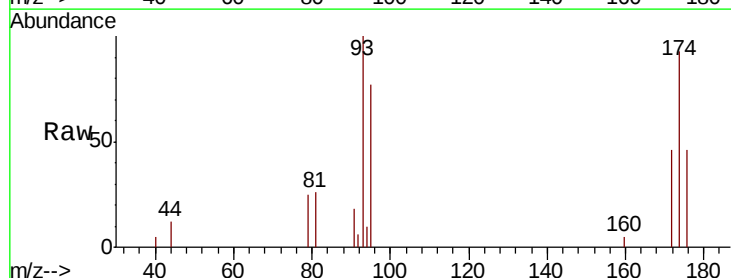
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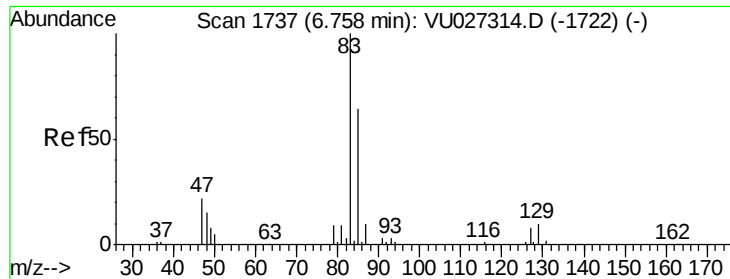
MMDadoda
 10/3/2018 11:41:43 AM



#46
 Dibromomethane
 Concen: 4.758 ug/l
 RT: 6.57 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Tgt Ion: 93 Resp: 4738
 Ion Ratio Lower Upper
 93 100
 95 80.3 66.5 99.7
 174 94.6 72.5 108.7





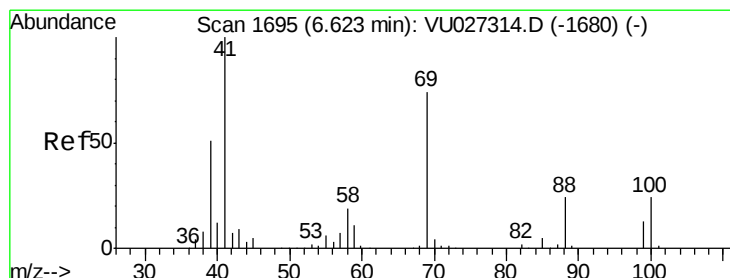
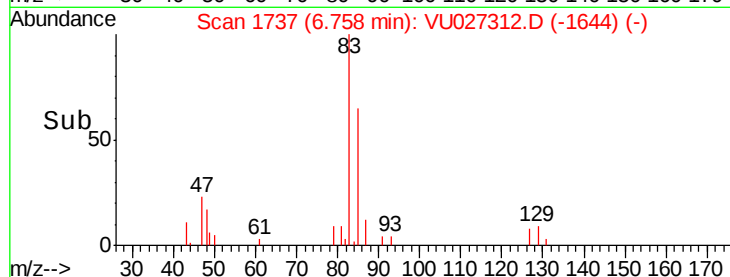
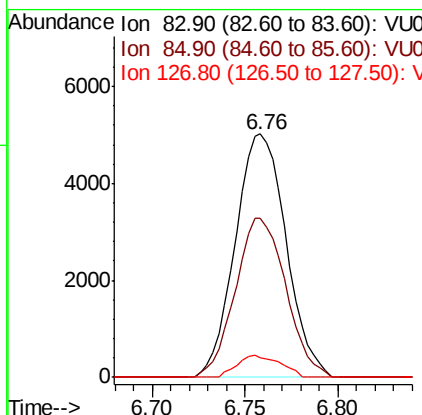
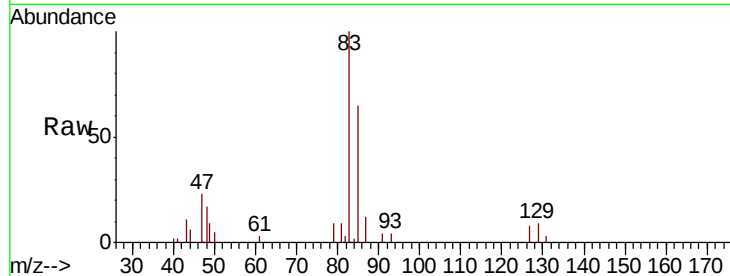
#47
Bromodichloromethane
Concen: 4.633 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	9572
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	51.4	77.0
127	8.2	6.3	9.5

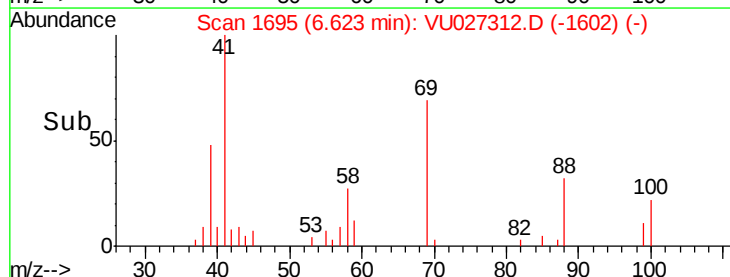
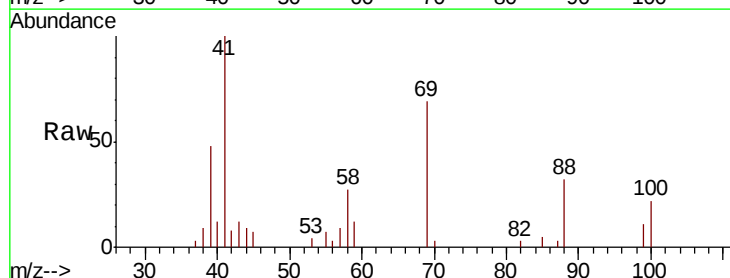
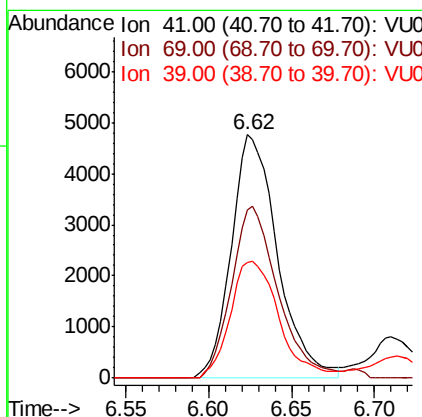
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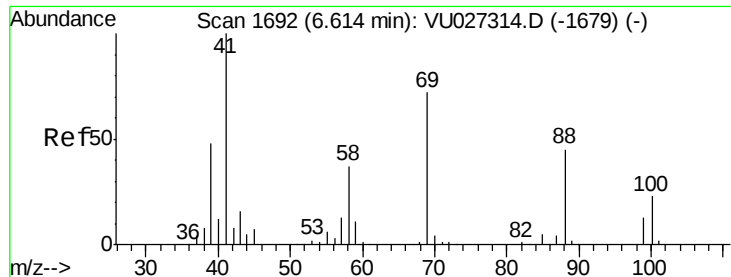
MMDadoda
10/3/2018 11:41:43 AM



#48
Methyl methacrylate
Concen: 4.423 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	41	Resp	9264
Ion Ratio	100	Lower	Upper
41	100		
69	70.6	61.0	91.4
39	50.3	39.9	59.9





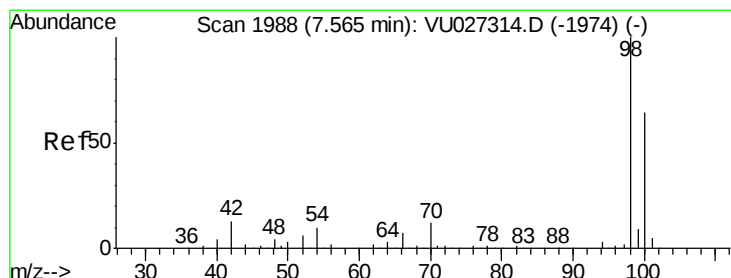
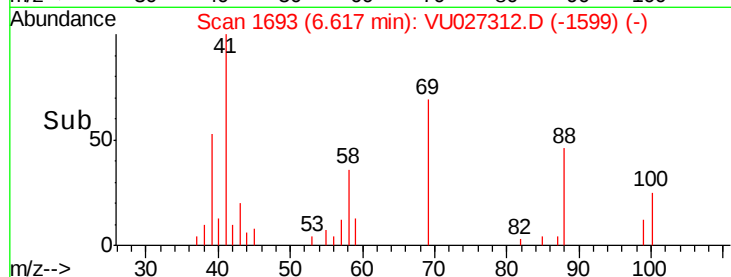
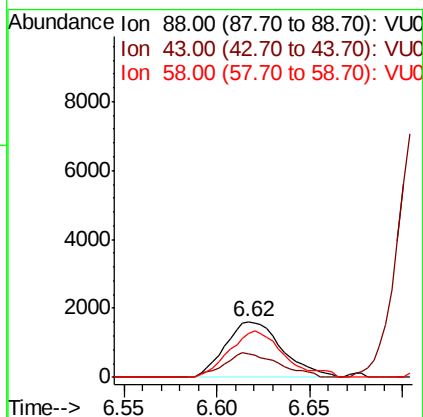
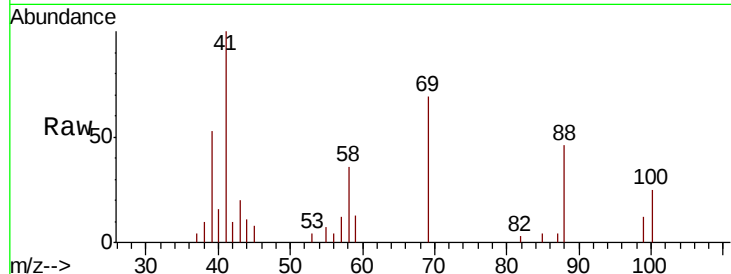
#49
1,4-Dioxane
Concen: 95.478 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.9	30.8	46.2
58	79.4	67.0	100.6

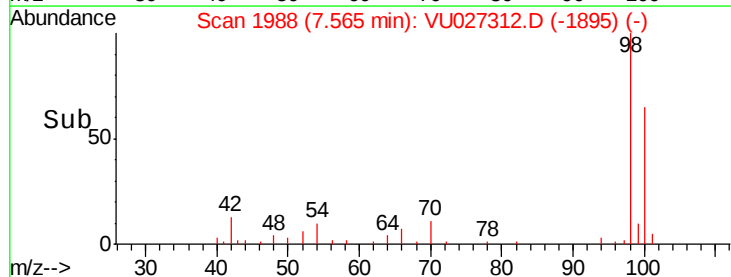
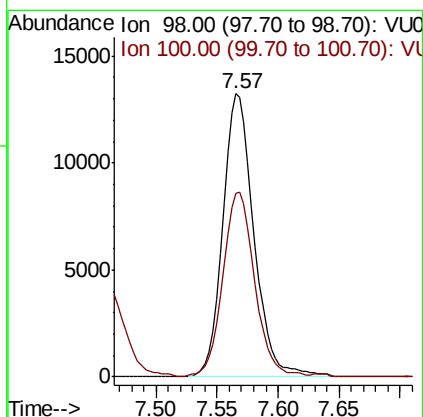
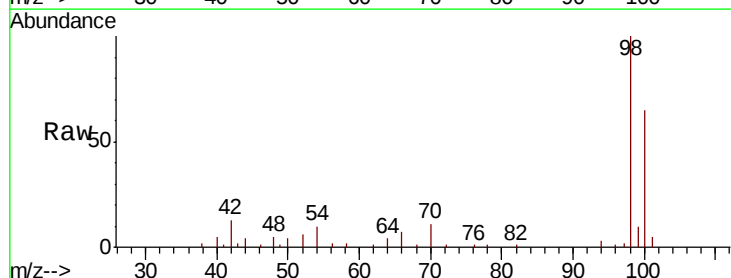
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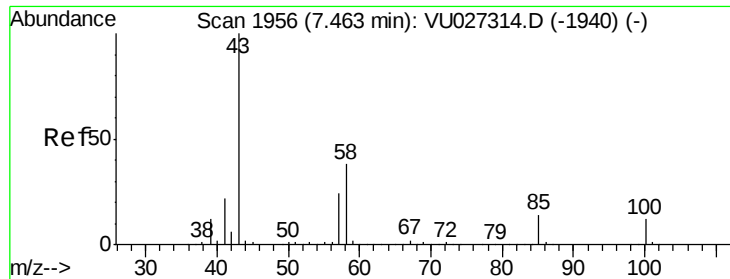
MMDadoda
10/3/2018 11:41:43 AM



#50
Toluene-d8
Concen: 4.776 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 23.357 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 63929

Ion Ratio Lower Upper

43 100

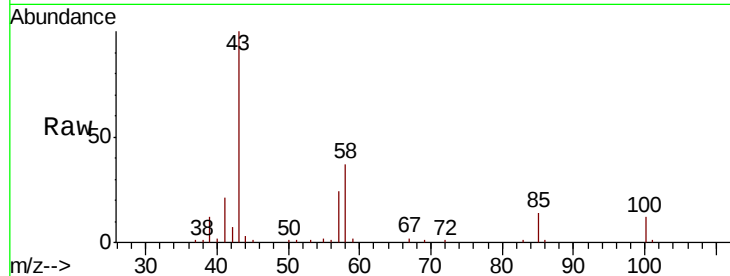
58 36.6 29.8 44.8

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

30000

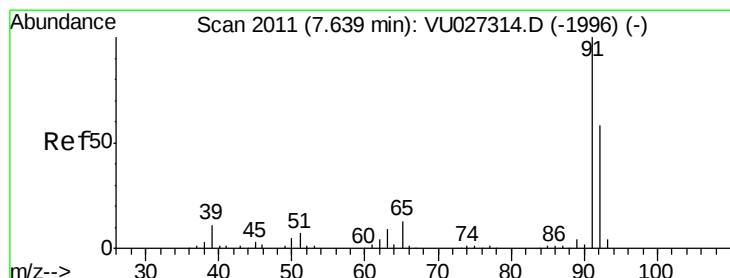
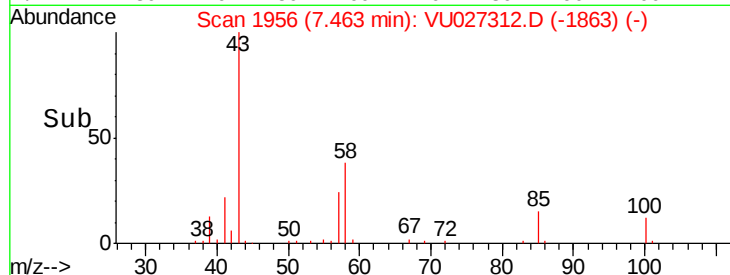
20000

10000

0

7.40 7.50 7.60

Time-->



#52

Toluene

Concen: 4.694 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027312.D

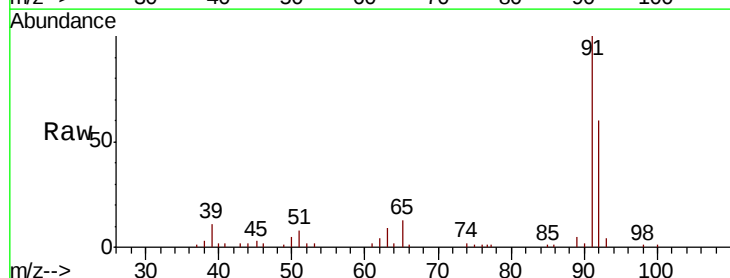
Acq: 01 Oct 2018 10:30

Tgt Ion: 92 Resp: 16984

Ion Ratio Lower Upper

92 100

91 169.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

15000

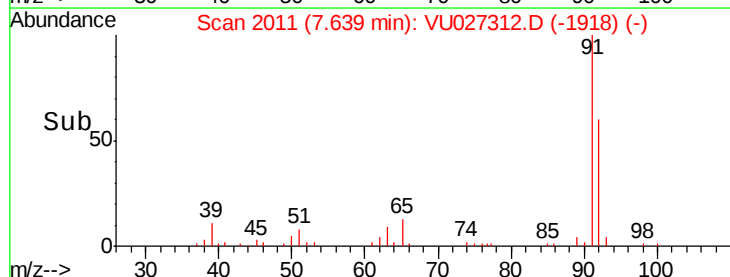
10000

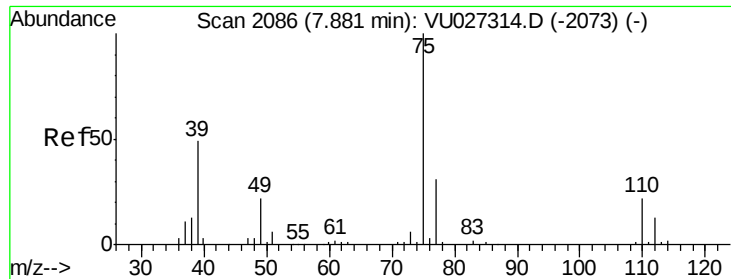
5000

0

7.55 7.60 7.65 7.70

Time-->





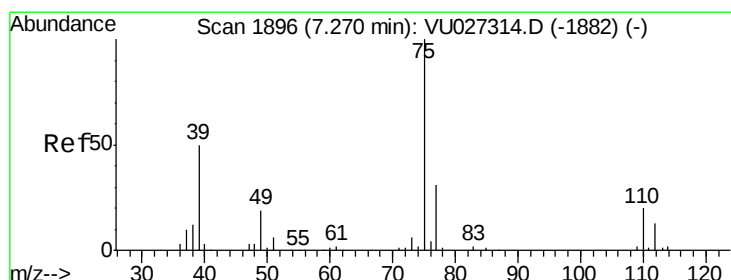
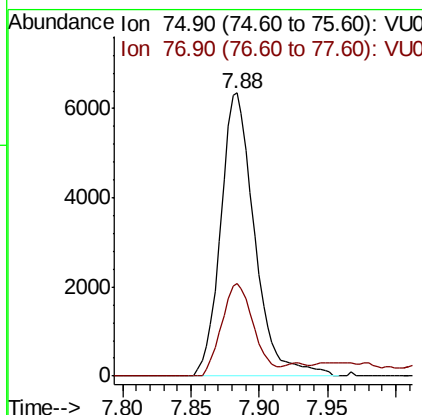
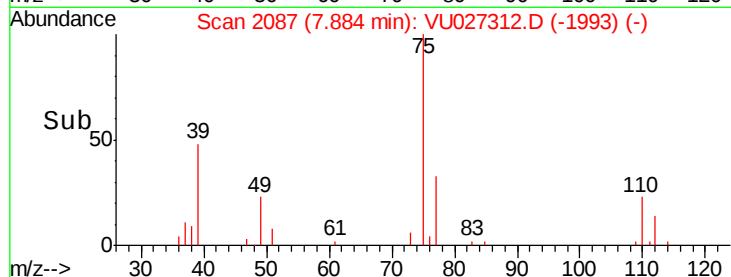
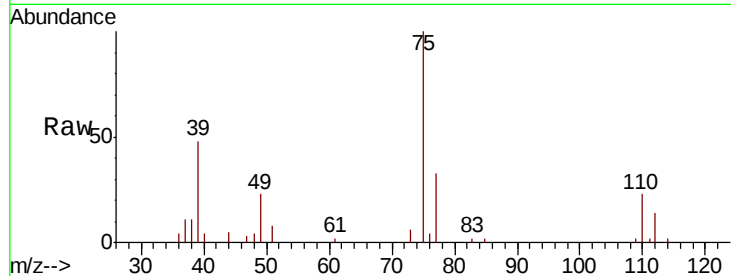
#53
t-1,3-Dichloropropene
Concen: 4.539 ug/l
RT: 7.88 min Scan# 2087
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 10995
Ion Ratio Lower Upper
75 100
77 32.8 25.0 37.6

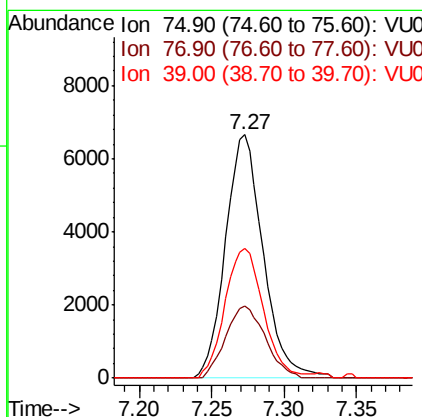
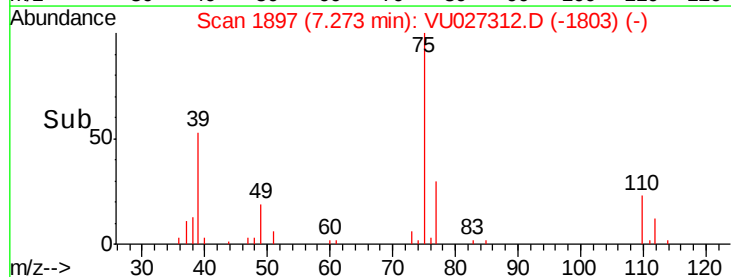
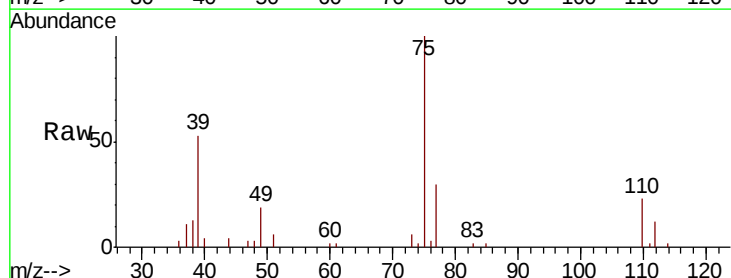
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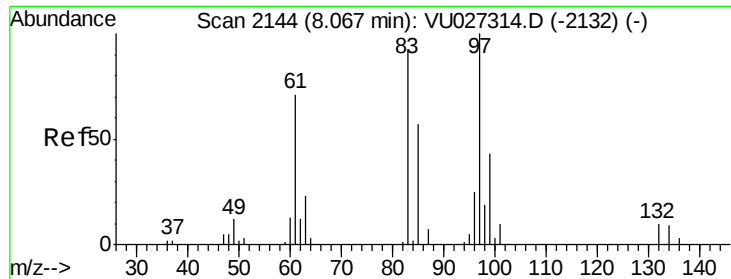
MMDadoda
10/3/2018 11:41:43 AM



#54
cis-1,3-Dichloropropene
Concen: 4.604 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion: 75 Resp: 11989
Ion Ratio Lower Upper
75 100
77 29.5 24.5 36.7
39 53.5 40.1 60.1





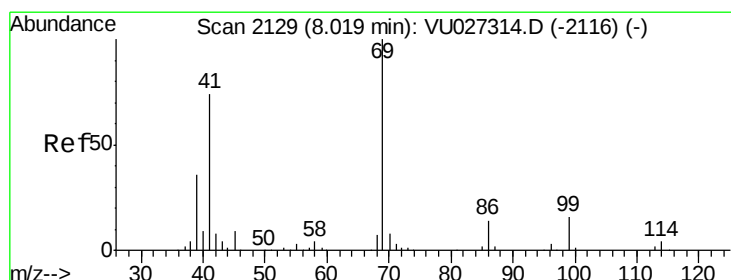
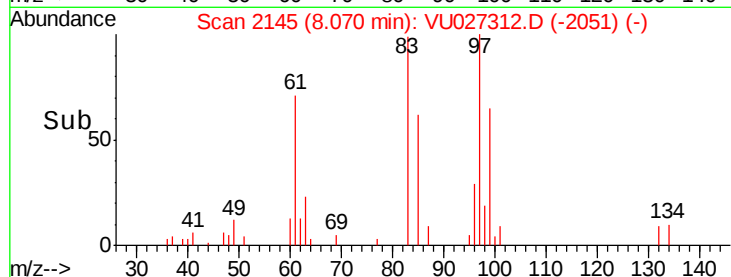
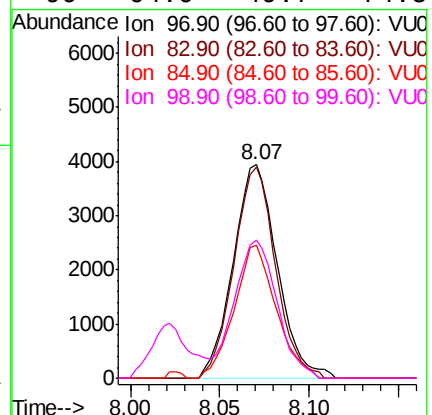
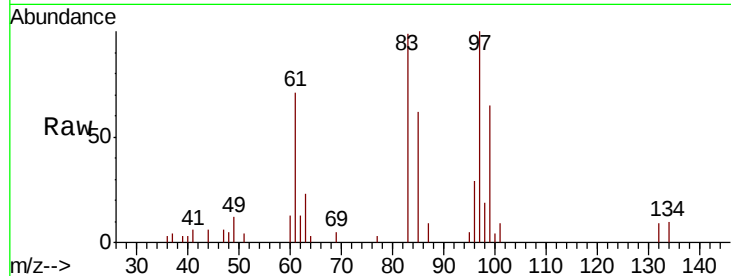
#55
 1,1,2-Trichloroethane
 Concen: 4.722 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	6773
Ion	Ratio	Lower	Upper
97	100		
83	98.7	73.0	109.6
85	62.2	47.3	70.9
99	64.9	49.7	74.5

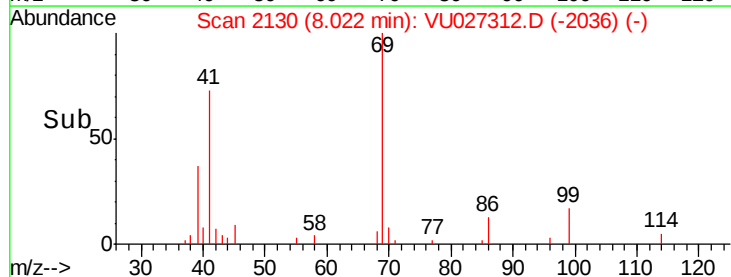
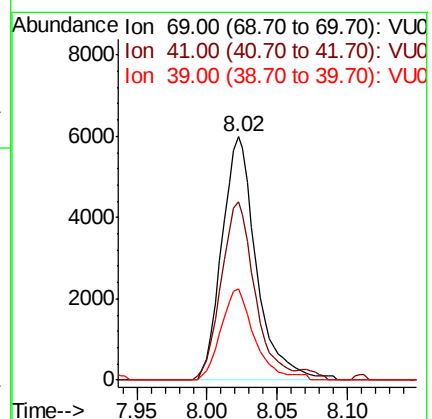
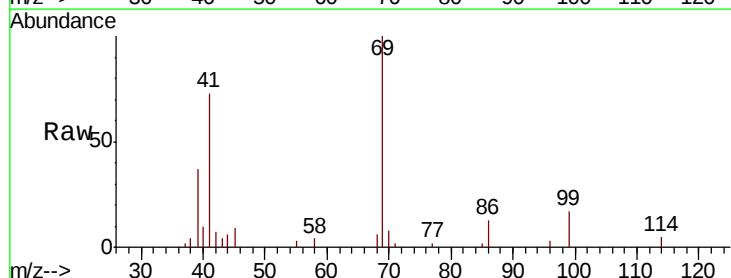
Manual Integrations
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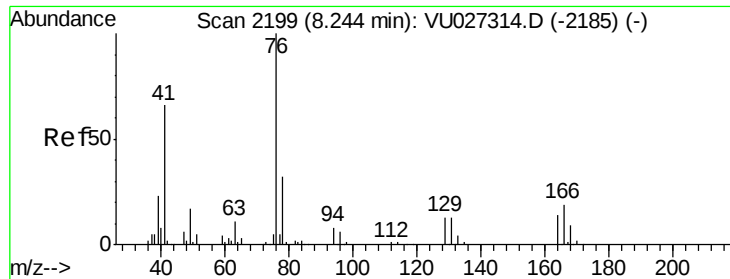
MMDadoda
 10/3/2018 11:41:43 AM



#56
 Ethyl methacrylate
 Concen: 4.286 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Tgt Ion:	69	Resp:	10203
Ion	Ratio	Lower	Upper
69	100		
41	71.7	60.0	90.0
39	36.6	29.5	44.3





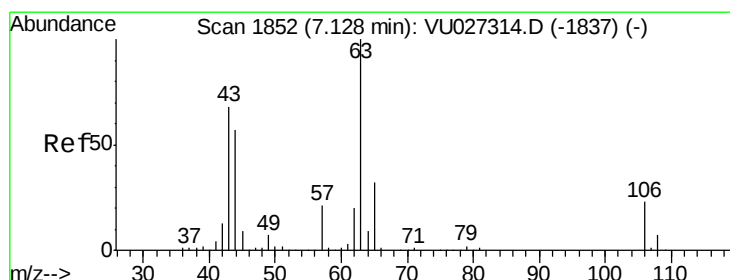
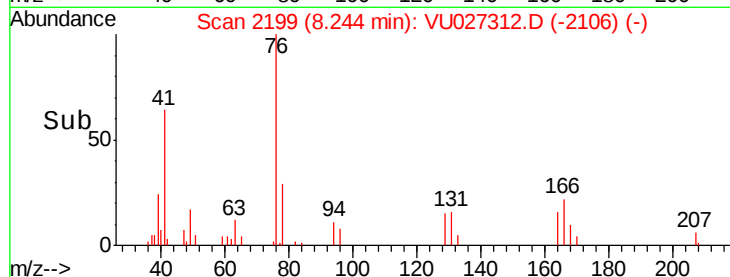
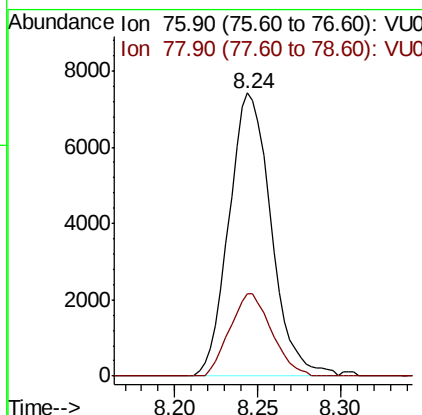
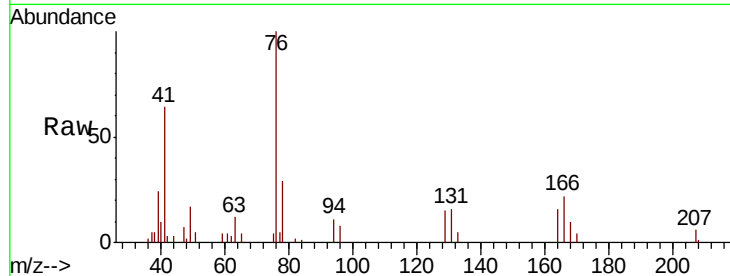
#57
 1,3-Dichloropropane
 Concen: 4.704 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 13100
 Ion Ratio Lower Upper
 76 100
 78 28.8 25.8 38.6

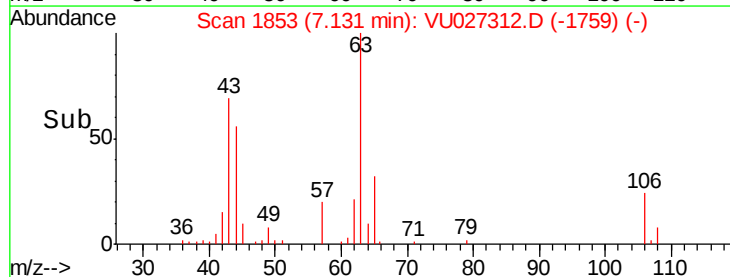
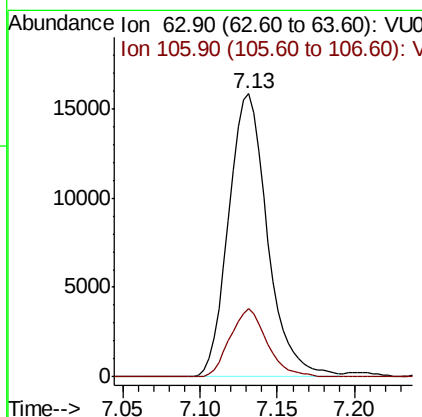
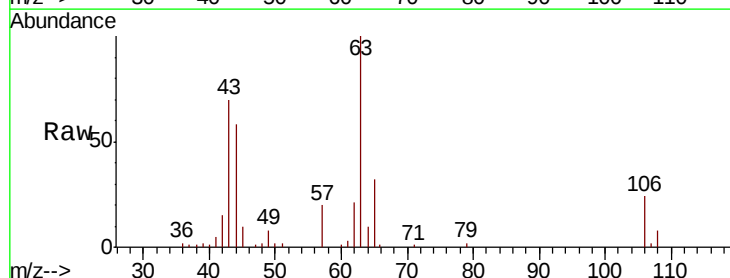
Manual Integrations
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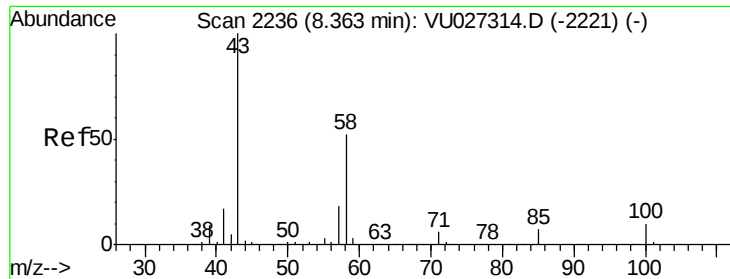
MMDadoda
 10/3/2018 11:41:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.791 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Tgt Ion: 63 Resp: 27650
 Ion Ratio Lower Upper
 63 100
 106 22.8 18.5 27.7





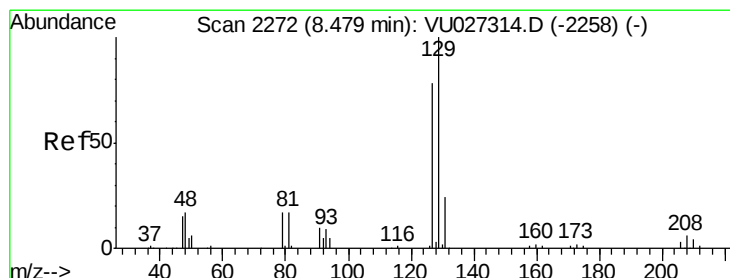
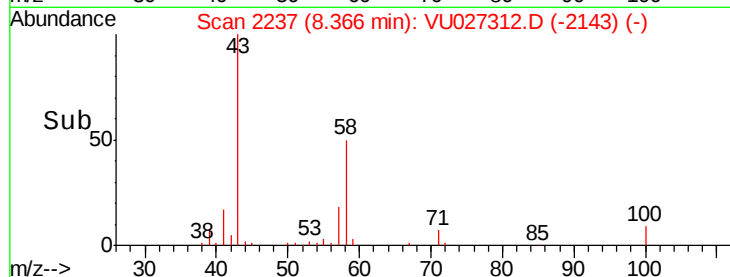
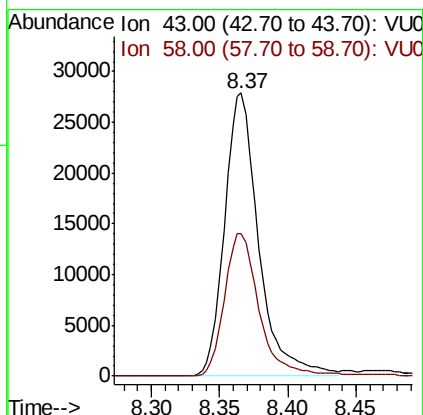
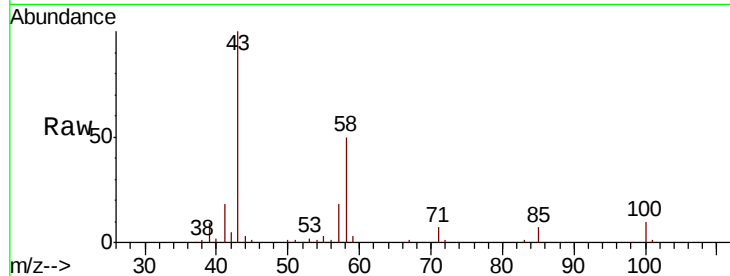
#59
2-Hexanone
Concen: 22.851 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 48518
Ion Ratio Lower Upper
43 100
58 51.4 26.1 78.3

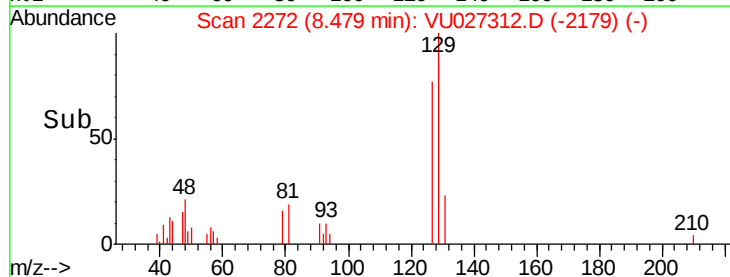
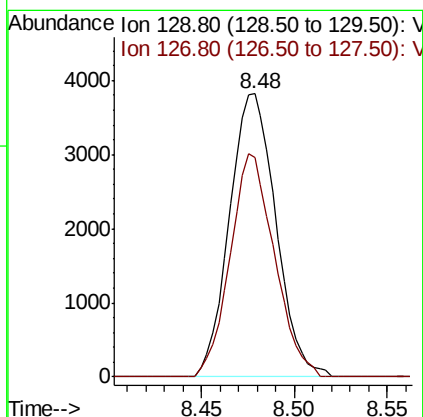
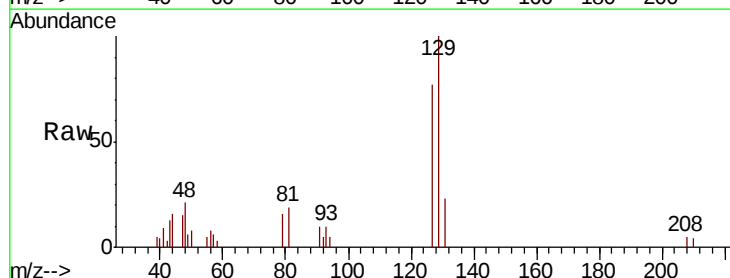
Manual Integrations
APPROVED

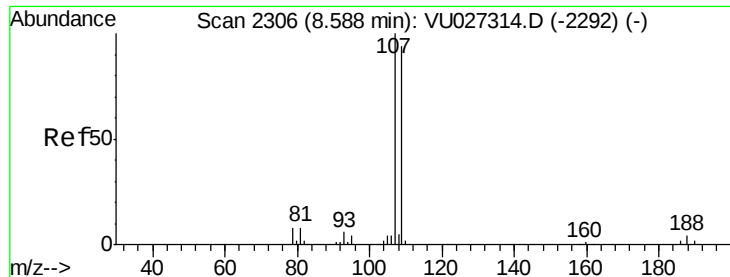
MMDadoda
10/3/2018 11:41:43 AM



#60
Dibromochloromethane
Concen: 4.625 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion: 129 Resp: 6654
Ion Ratio Lower Upper
129 100
127 75.2 39.1 117.2





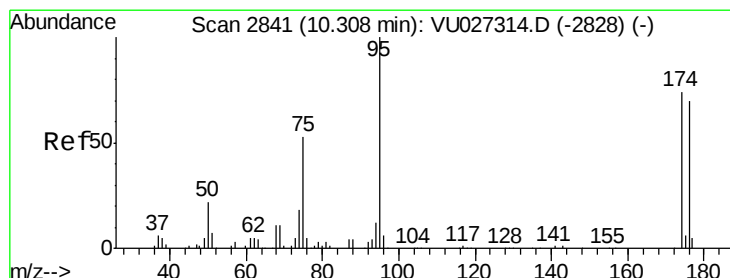
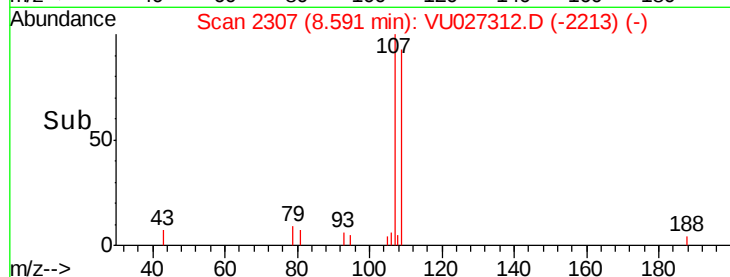
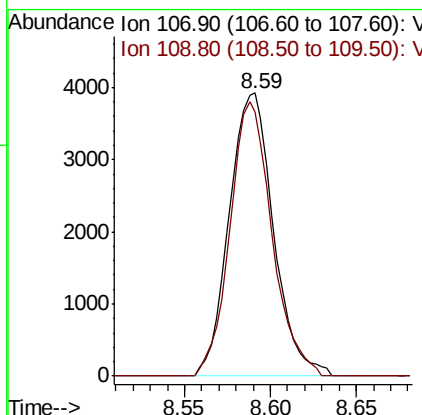
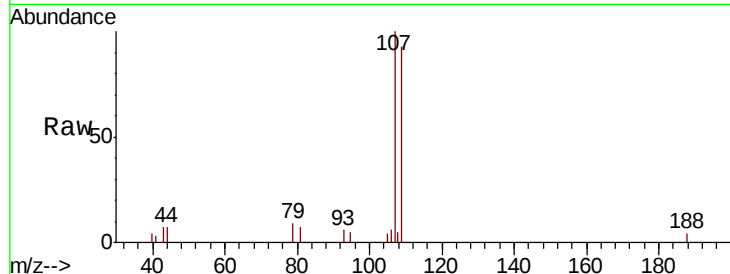
#61
 1,2-Dibromoethane
 Concen: 4.603 ug/l
 RT: 8.59 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	74.5	111.7

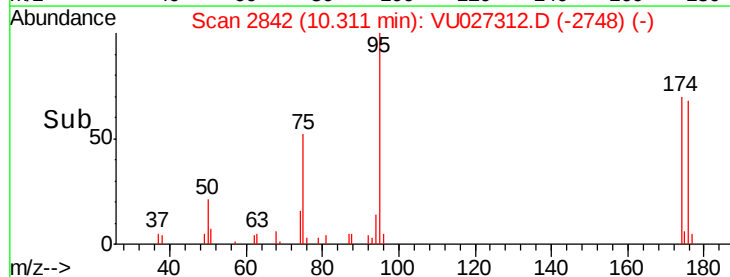
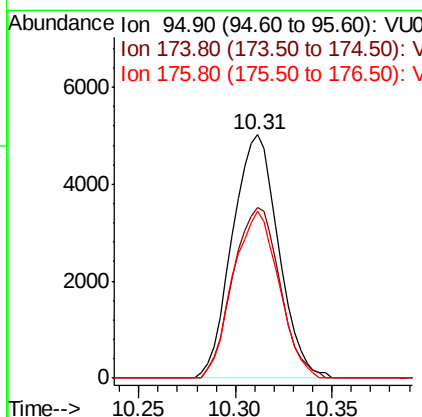
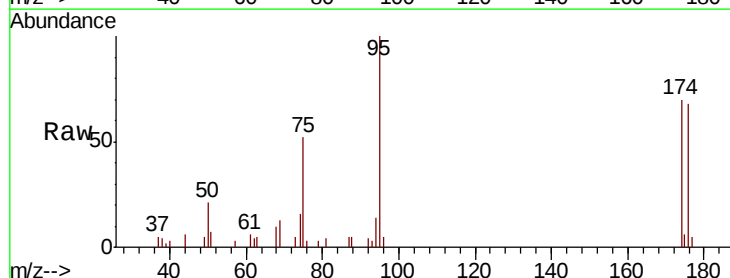
Manual Integrations
 APPROVED

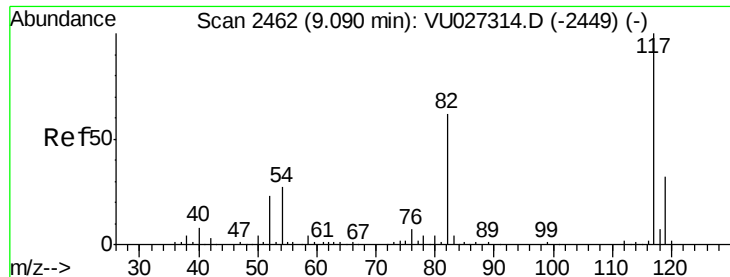
MMDadoda
 10/3/2018 11:41:43 AM



#62
 4-Bromofluorobenzene
 Concen: 4.588 ug/l
 RT: 10.31 min Scan# 2842
 Delta R.T. 0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	147.8
176	68.2	0.0	140.8





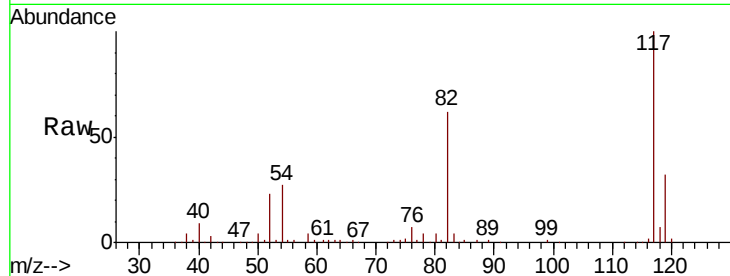
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

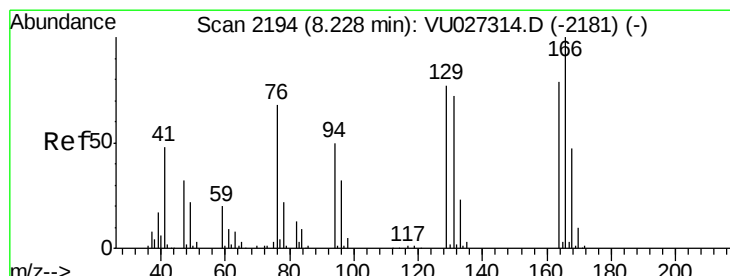
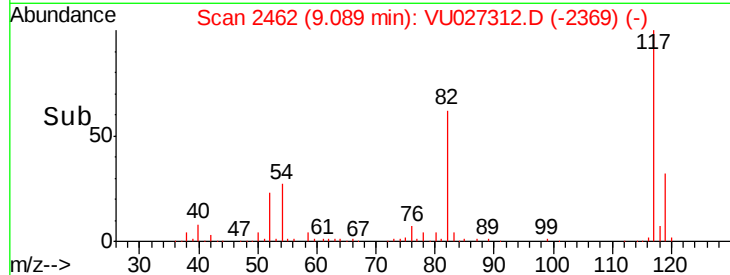
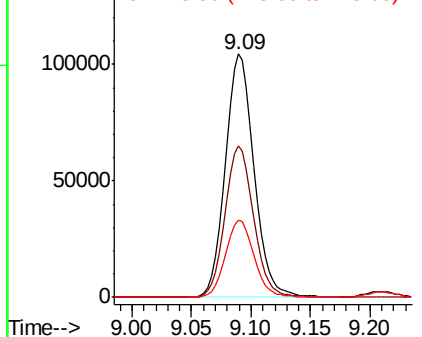
Tot Ion	Ratio	Lower	Upper
117	100		
82	62.5	49.2	73.8
119	31.9	25.7	38.5

Manual Integrations
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MMDadoda
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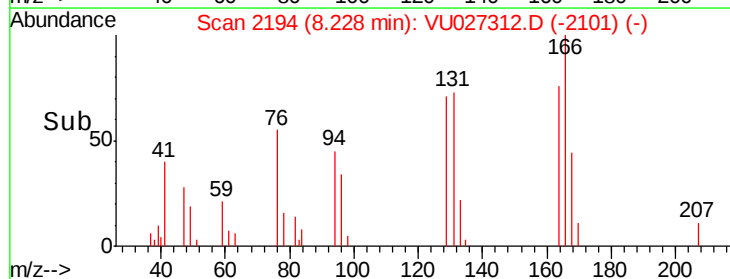
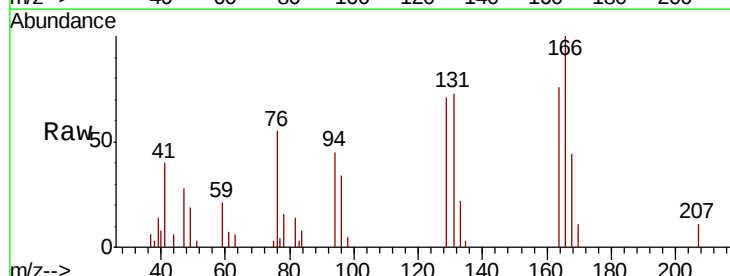
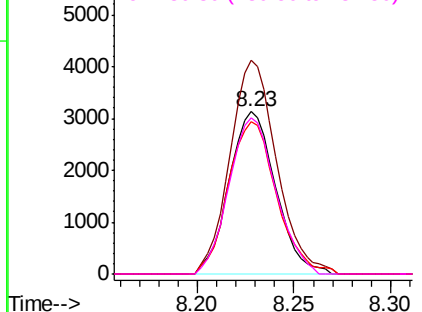
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

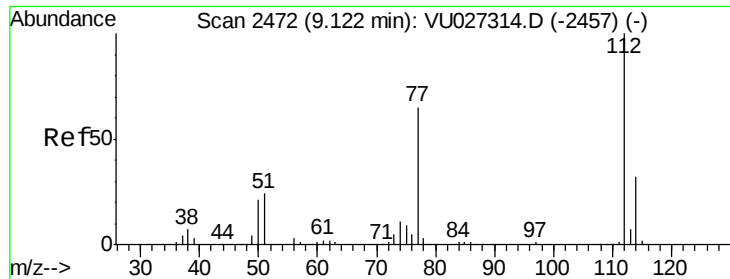


#64
Tetrachloroethene
Concen: 4.821 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	101.0	151.6
129	93.8	78.0	117.0
131	96.4	72.6	109.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 4.831 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 17771

Ion Ratio Lower Upper

112 100

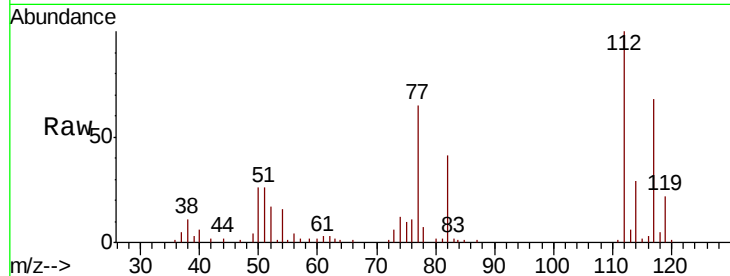
114 29.5 25.8 38.6

Manual Integrations

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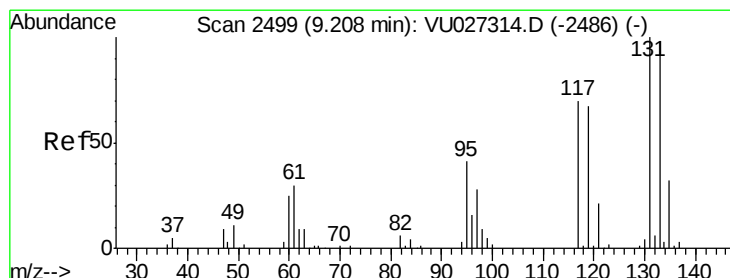
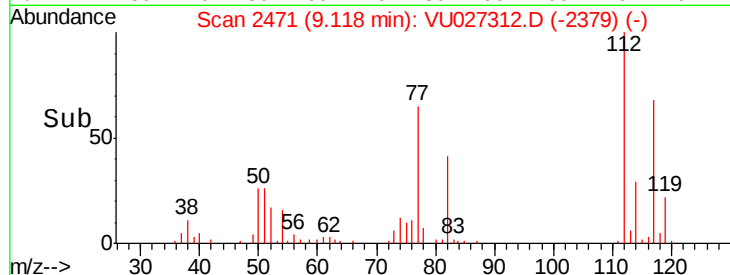
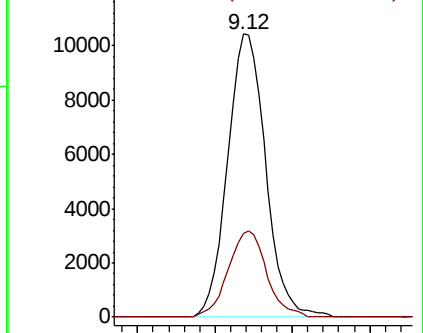
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.785 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

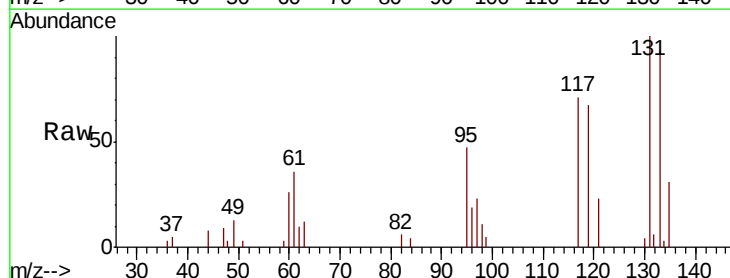
Tgt Ion:131 Resp: 6077

Ion Ratio Lower Upper

131 100

133 96.6 48.5 145.6

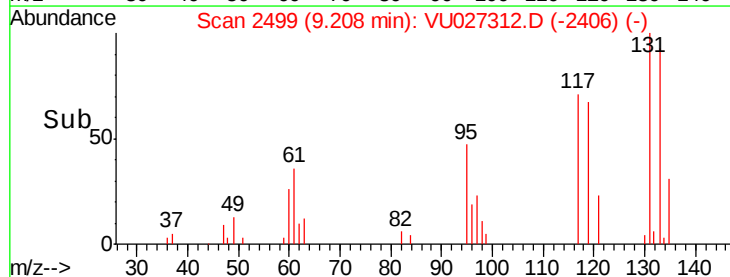
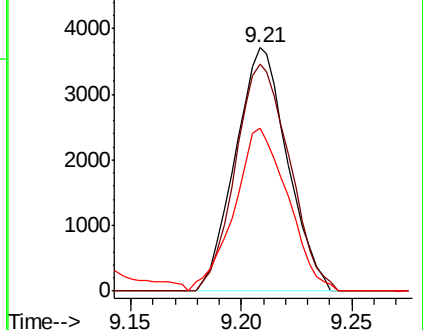
119 68.7 33.5 100.4

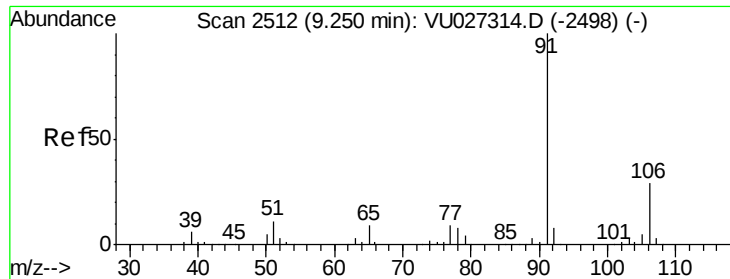


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





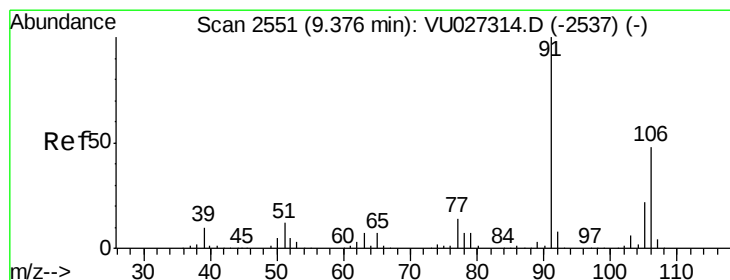
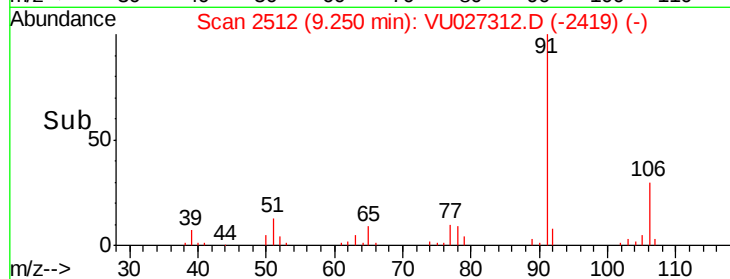
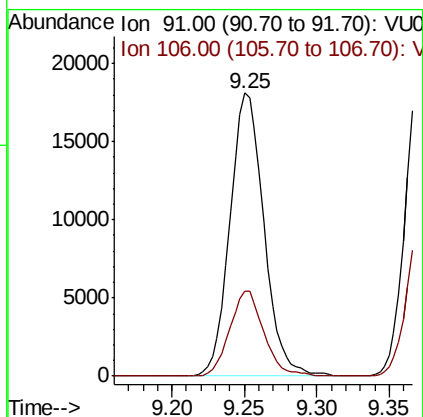
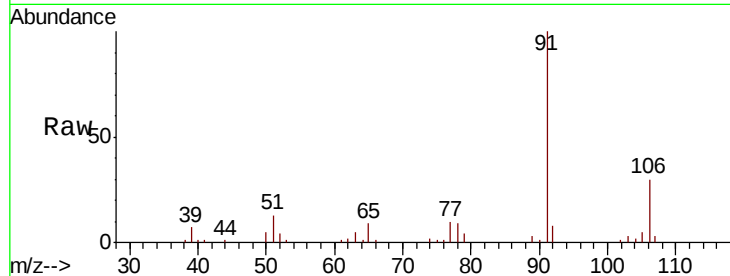
#67
Ethyl Benzene
Concen: 4.524 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 29486
Ion Ratio Lower Upper
91 100
106 30.2 23.6 35.4

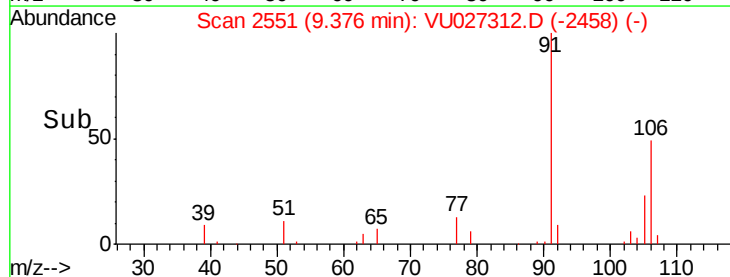
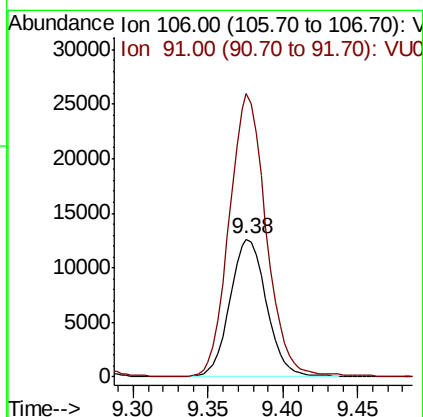
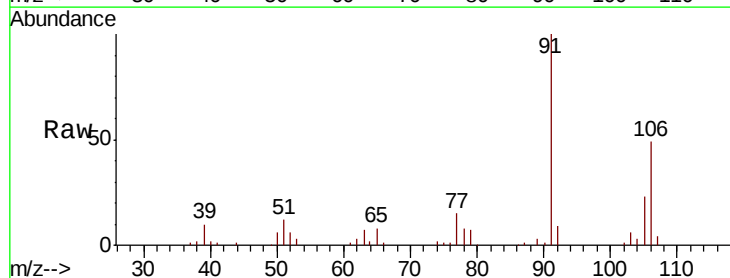
Manual Integrations
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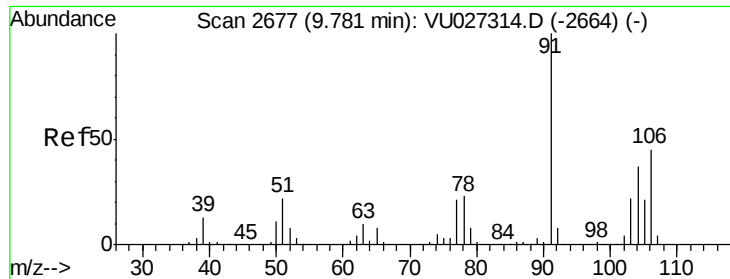
MMDadoda
10/3/2018 11:41:43 AM



#68
m/p-Xylenes
Concen: 8.973 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion: 106 Resp: 21392
Ion Ratio Lower Upper
106 100
91 208.7 168.1 252.1





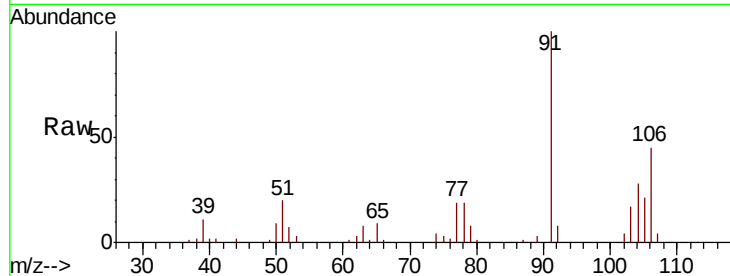
#69
o-Xylene
Concen: 4.573 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

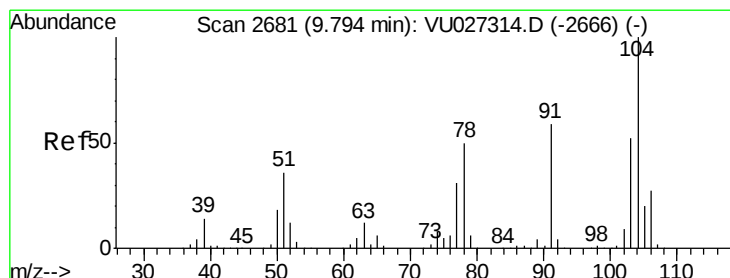
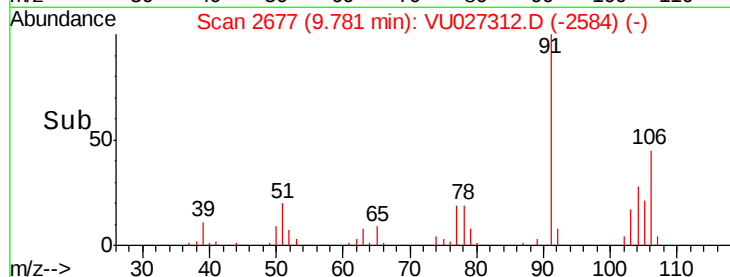
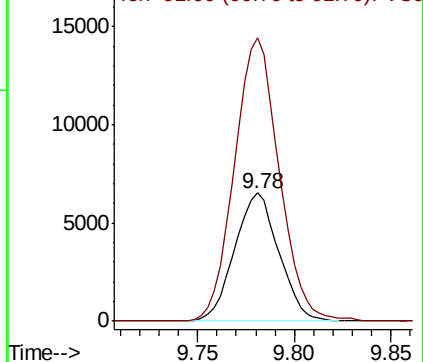
Tot Ion:106 Resp: 10361
Ion Ratio Lower Upper
106 100
91 223.8 111.7 334.9

Manual Integrations
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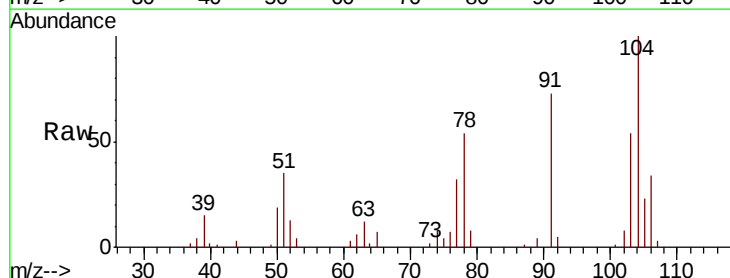


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

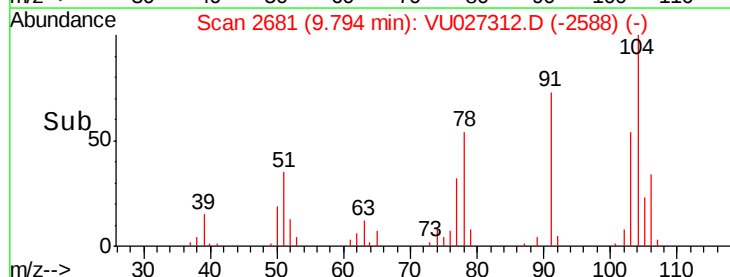
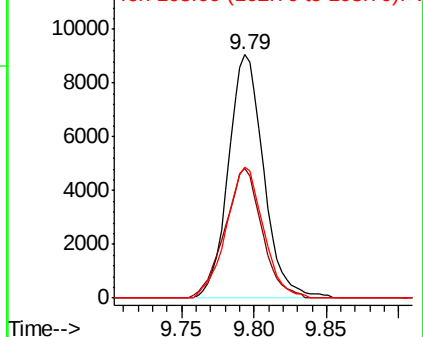


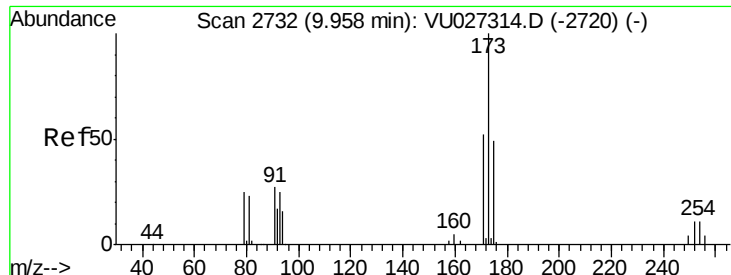
#70
Styrene
Concen: 4.105 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion:104 Resp: 15274
Ion Ratio Lower Upper
104 100
78 56.0 42.9 64.3
103 56.6 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: 4.675 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

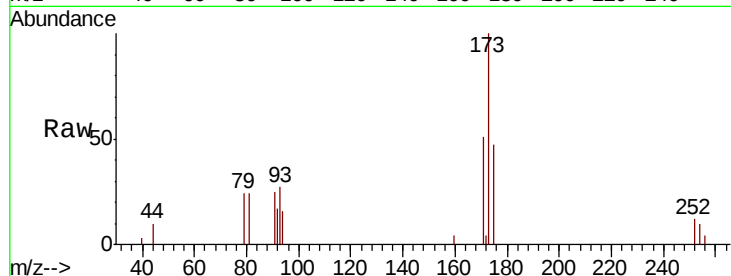
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations
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10/3/2018 11:41:43 AM

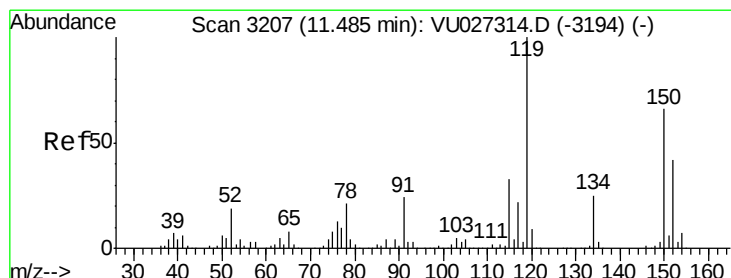
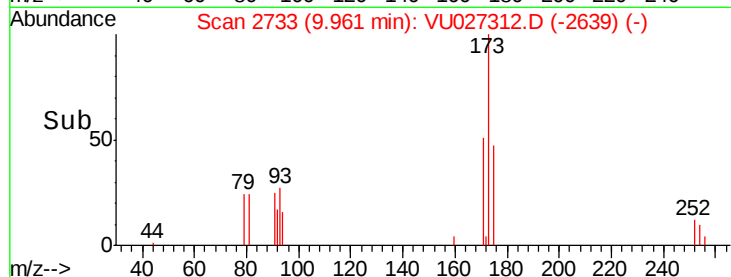
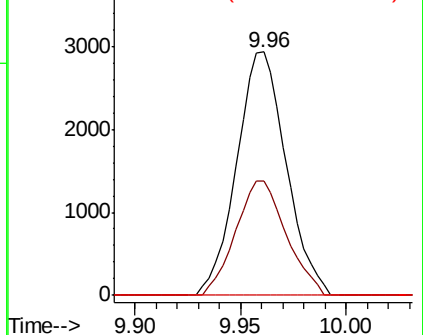


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

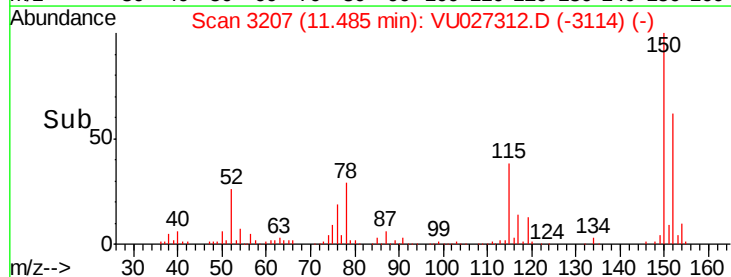
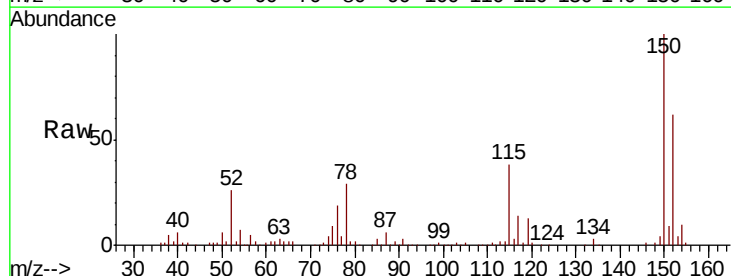
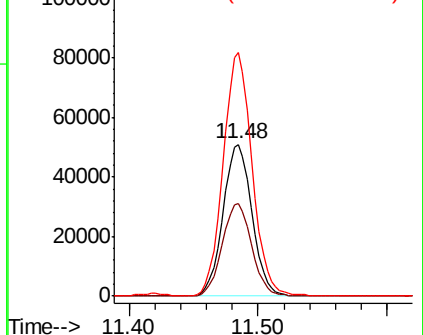
Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	43.4	130.2
150	160.6	0.0	349.2

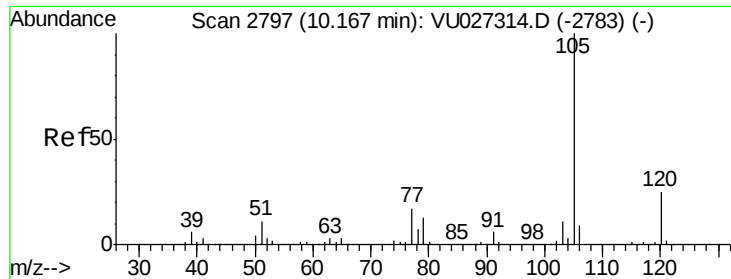
Abundance

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: 4.721 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 27120

Ion Ratio Lower Upper

105 100

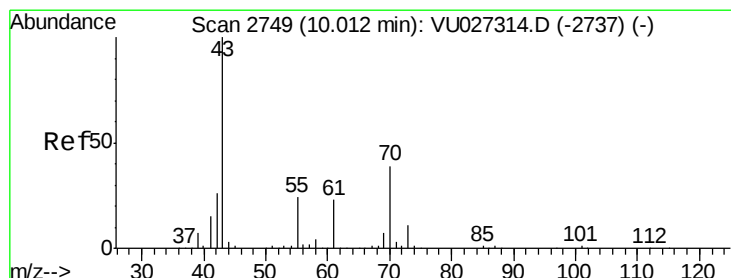
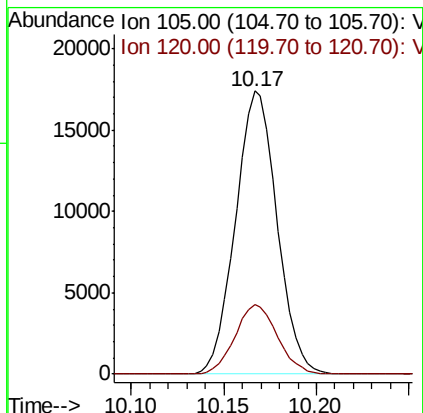
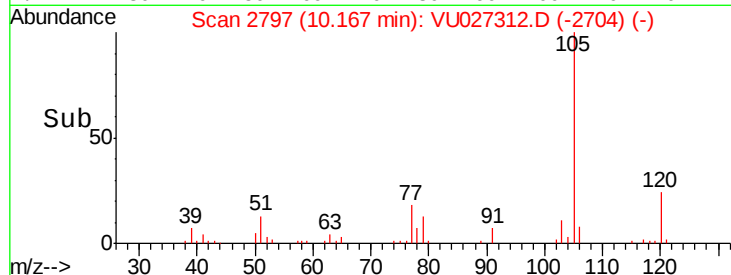
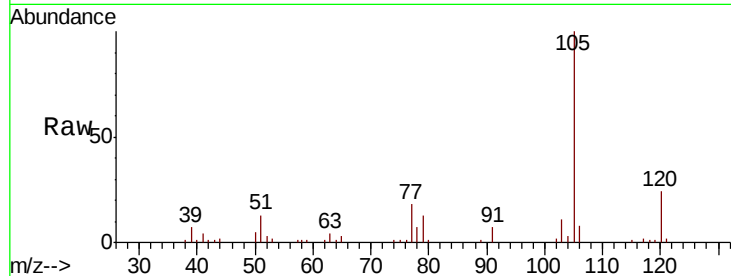
120 25.0 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 4.616 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Tgt Ion: 43 Resp: 15181

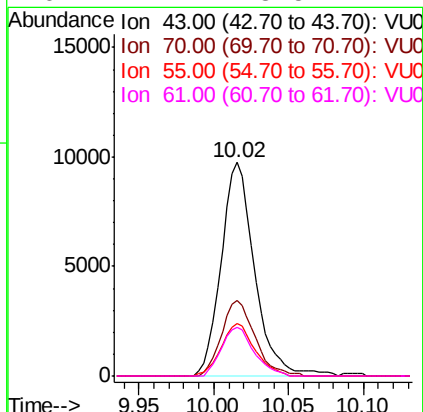
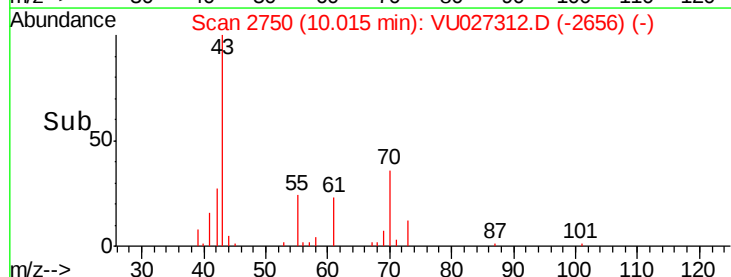
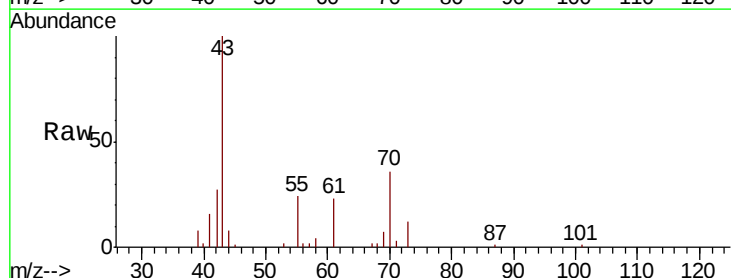
Ion Ratio Lower Upper

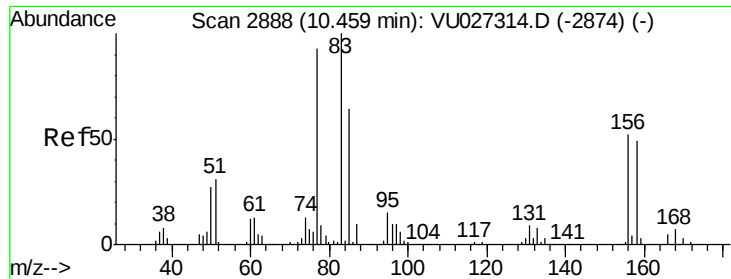
43 100

70 35.3 31.3 46.9

55 24.7 19.0 28.6

61 22.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 5.305 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

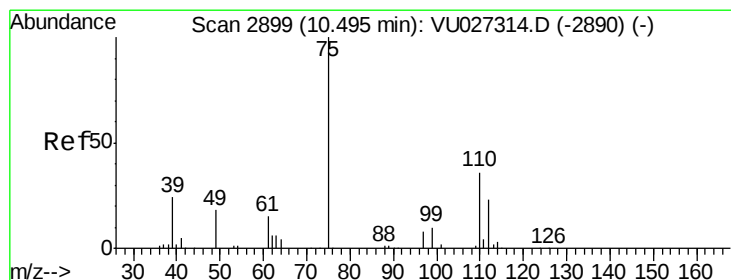
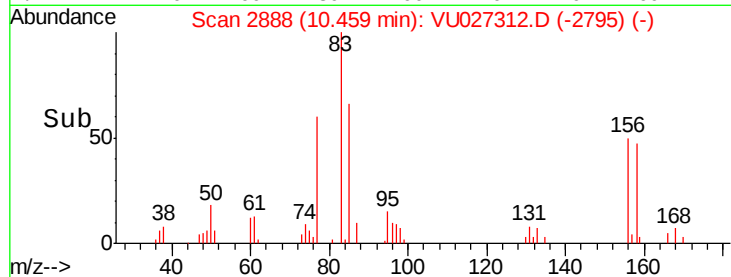
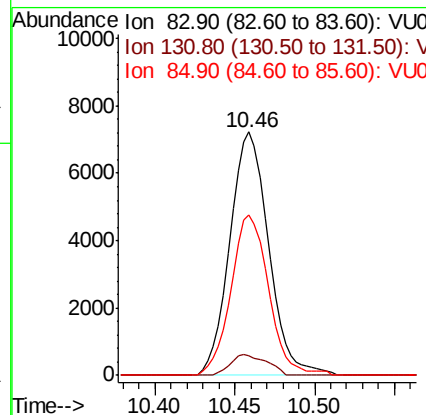
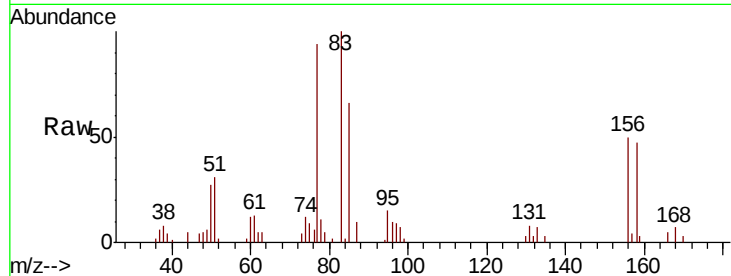
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	11967
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.4	13.2
85	63.4	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.173 ug/l m

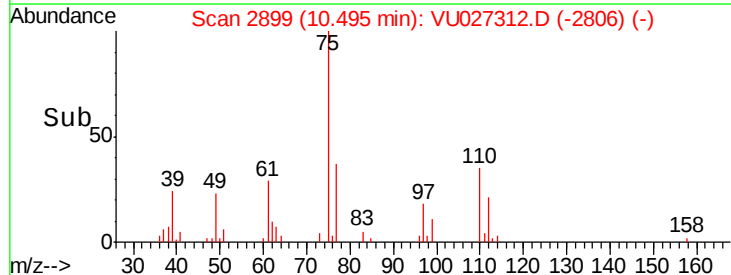
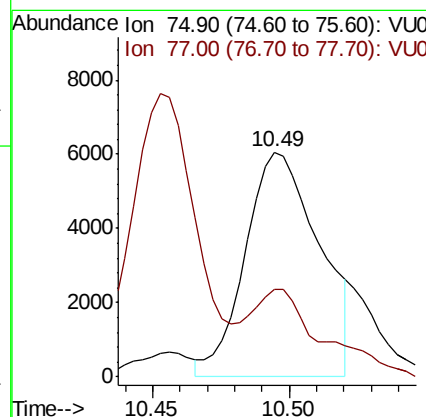
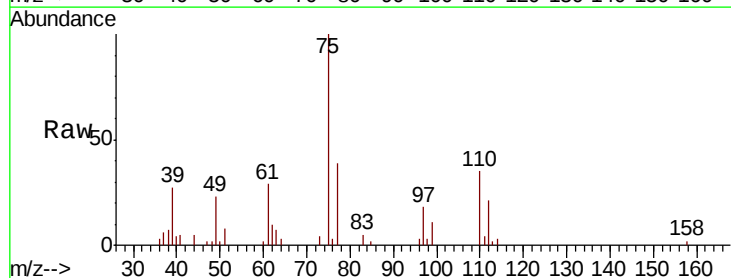
RT: 10.49 min Scan# 2899

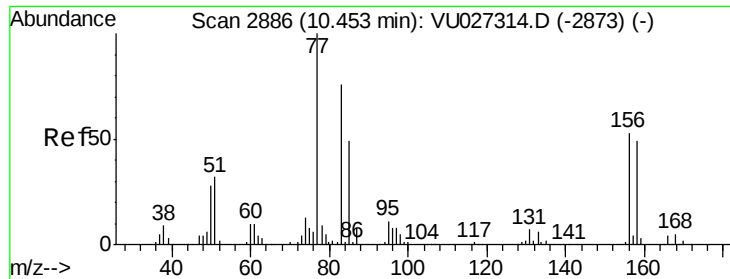
Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Tgt Ion:	75	Resp:	11407
Ion Ratio	Lower	Upper	
75	100		
77	36.9	20.3	60.9





#77

Bromobenzene

Concen: 4.863 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

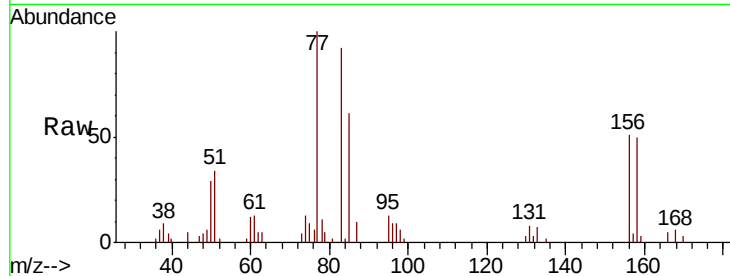
ClientSampleId :

VSTDIC005

Tot Ion	156	Resp	6492
Ion	Ratio	Lower	Upper
156	100		
77	194.5	94.8	284.4
158	97.7	47.4	142.3

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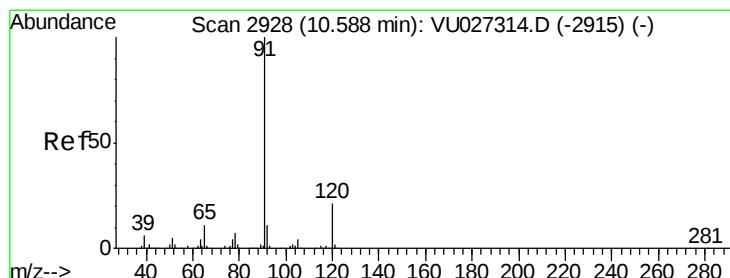
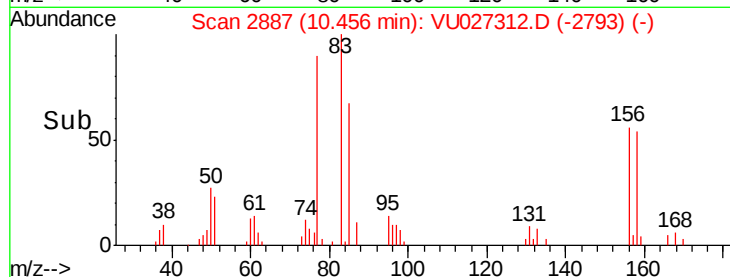
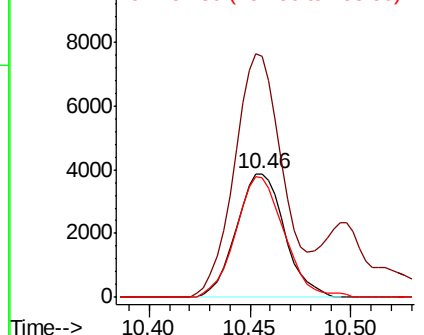
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.595 ug/l

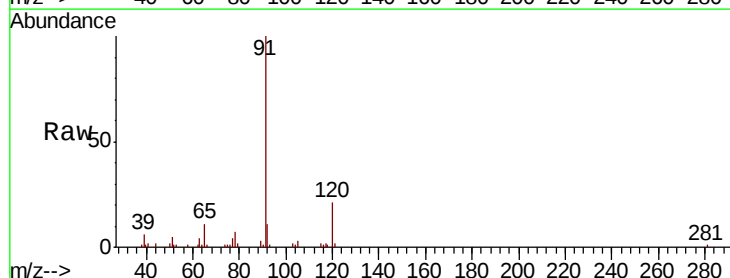
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027312.D

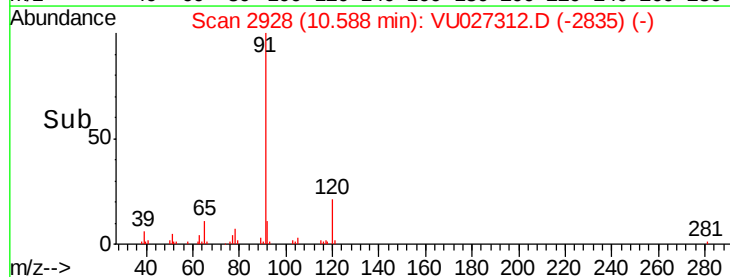
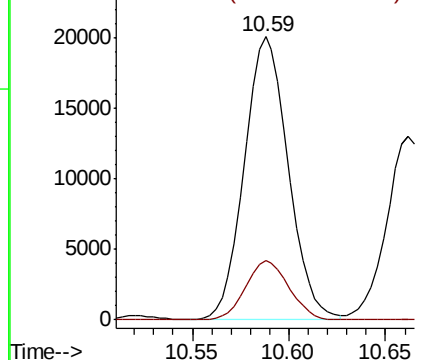
Acq: 01 Oct 2018 10:30

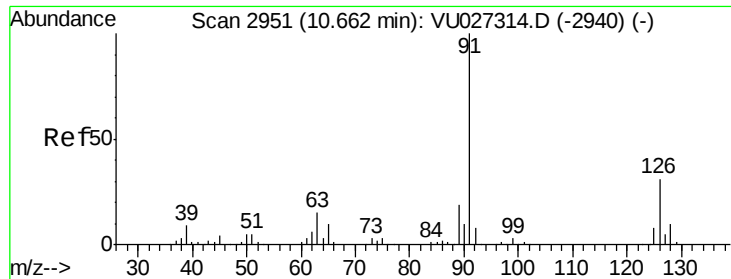
Tgt Ion	91	Resp	31717
Ion	Ratio	Lower	Upper
91	100		
120	20.5	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.905 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027312.D

Acq: 01 Oct 2018 10:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 20442

Ion Ratio Lower Upper

91 100

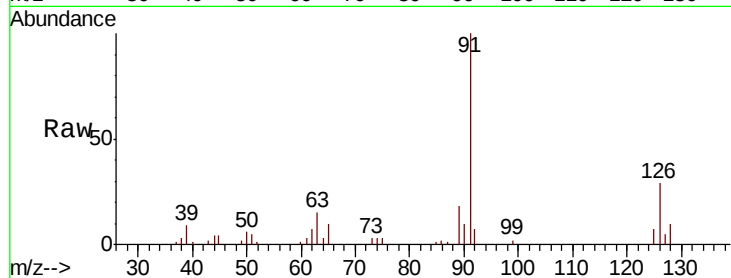
126 30.1 15.7 47.1

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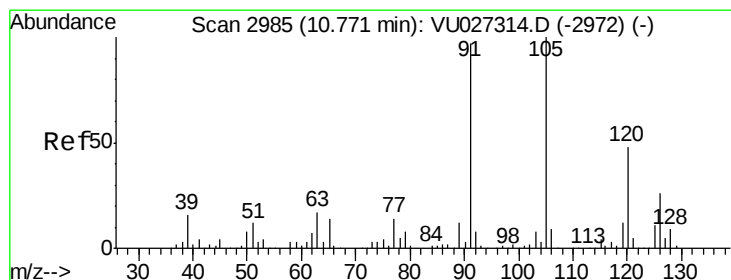
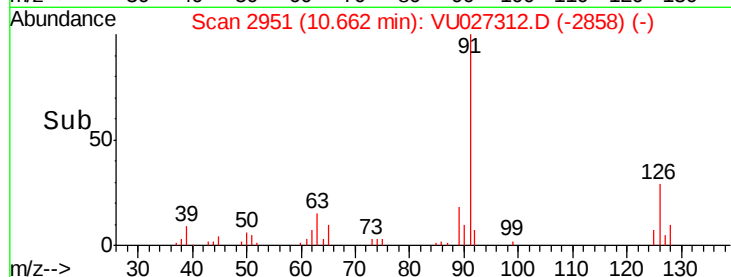
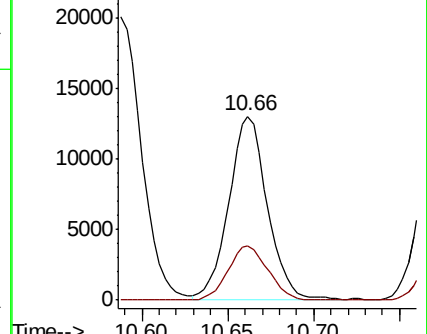
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Abundance Ion 91.00 (90.70 to 91.70): VU027312.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027312.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.623 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027312.D

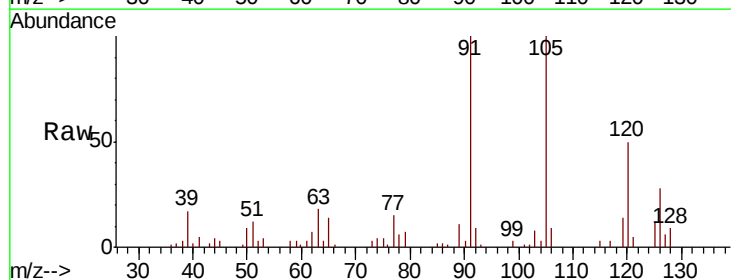
Acq: 01 Oct 2018 10:30

Tgt Ion: 105 Resp: 21620

Ion Ratio Lower Upper

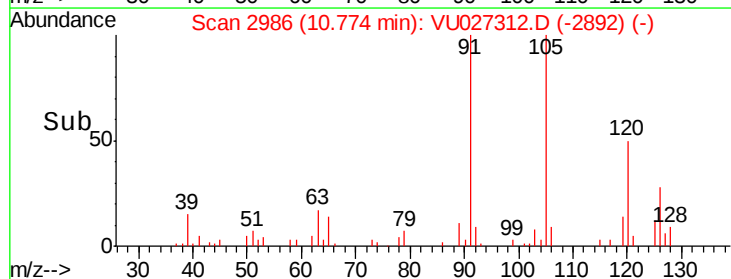
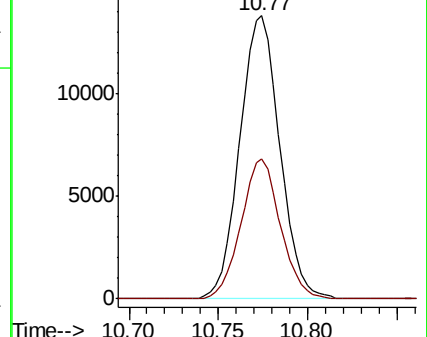
105 100

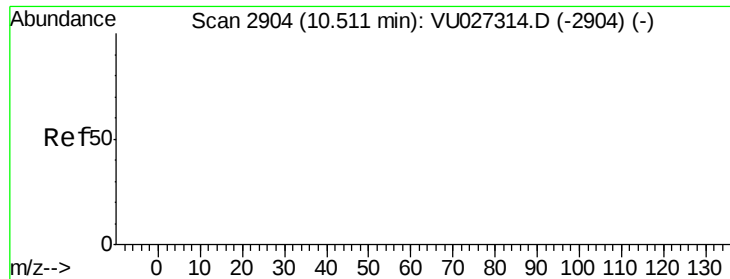
120 48.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027312.D (-2892) (-)

Ion 120.00 (119.70 to 120.70): VU027312.D (-2892) (-)





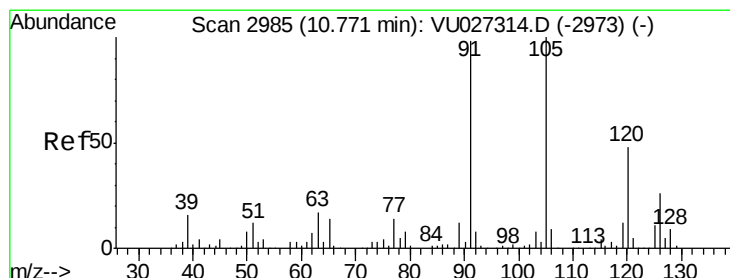
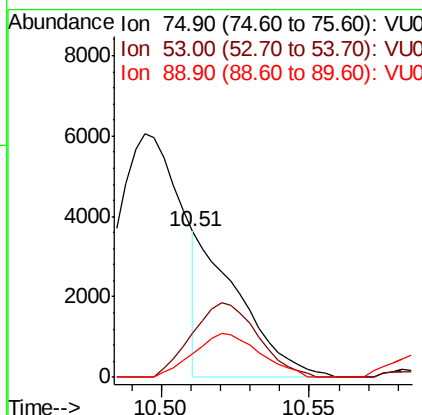
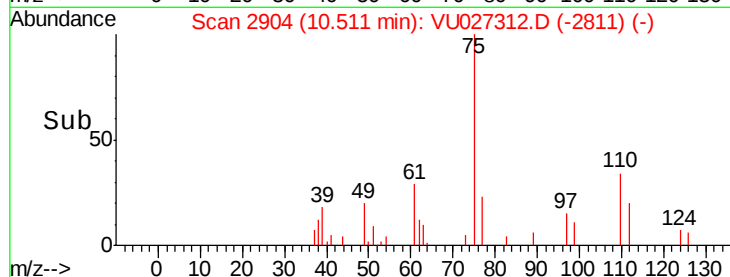
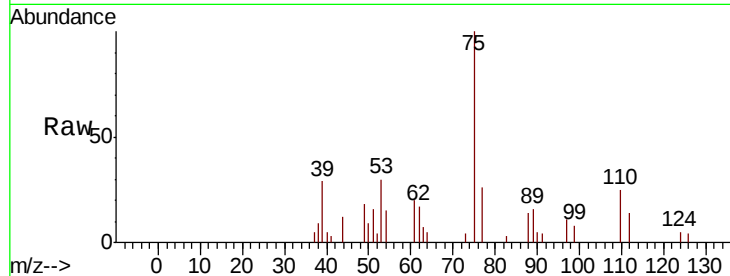
#81
trans-1,4-Dichloro-2-butene
Concen: 4.219 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

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

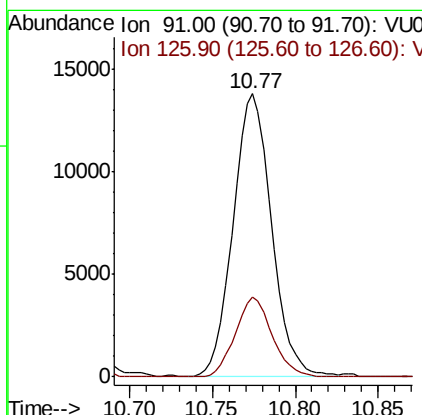
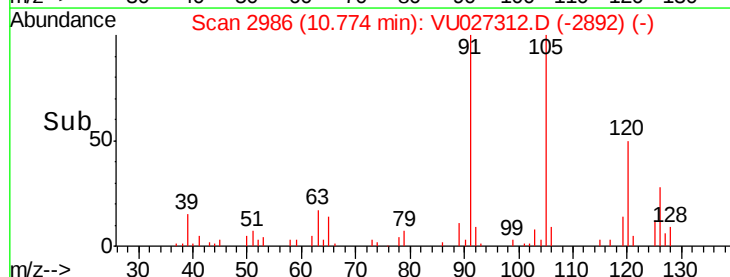
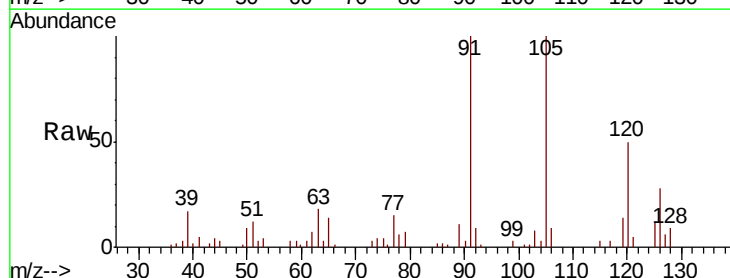
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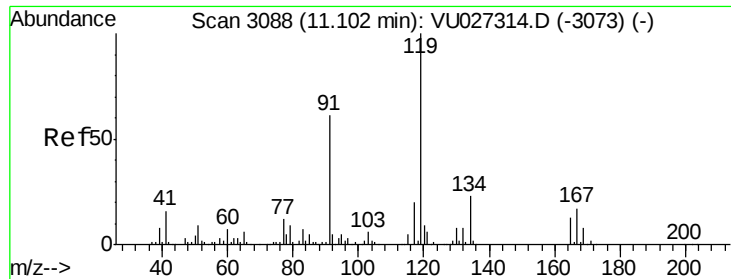
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#82
4-Chlorotoluene
Concen: 4.711 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	26.8	13.6	40.8





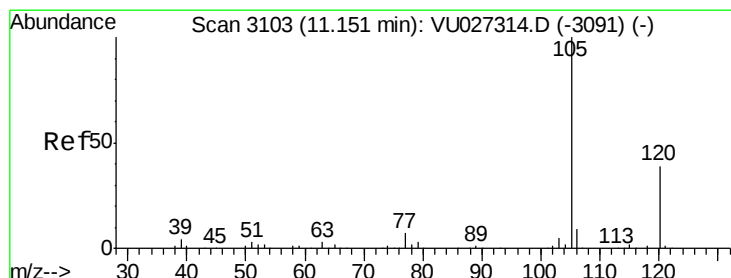
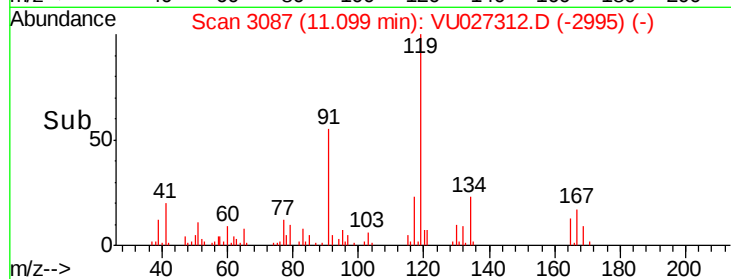
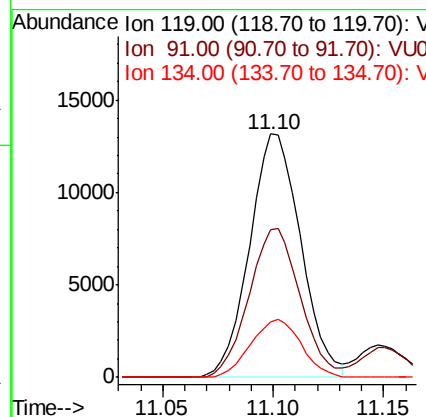
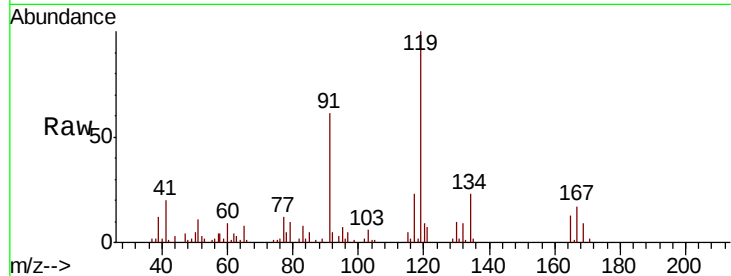
#83
tert-Butylbenzene
Concen: 4.691 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.3	91.0
134	23.6	11.5	34.4

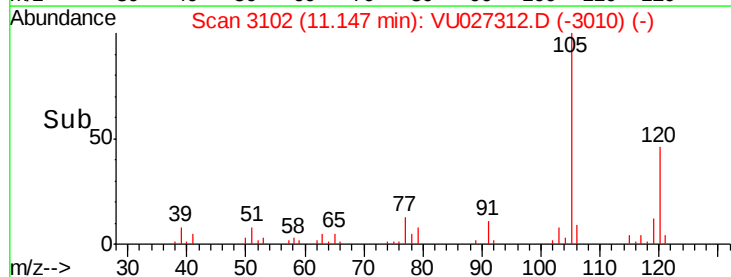
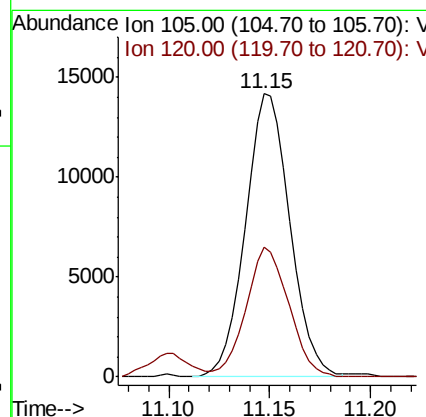
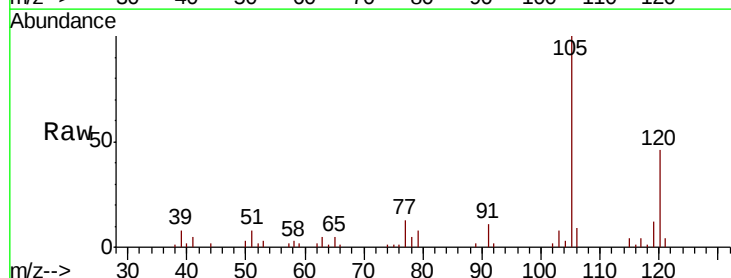
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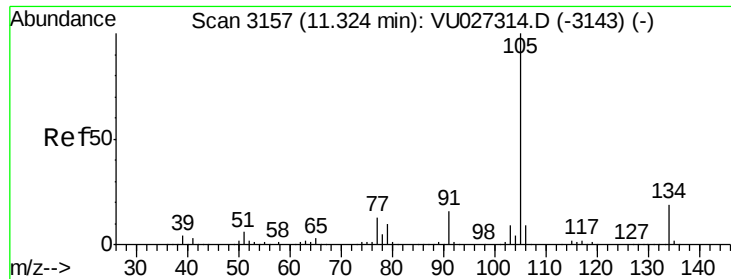
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#84
1,2,4-Trimethylbenzene
Concen: 4.589 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.5





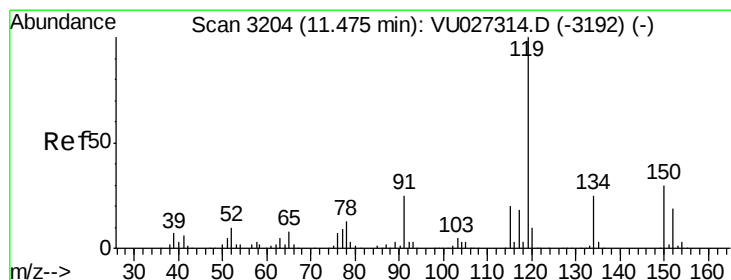
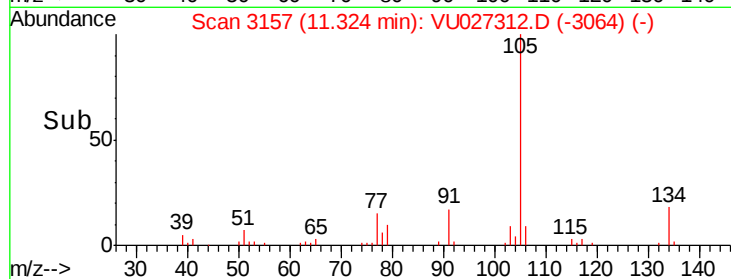
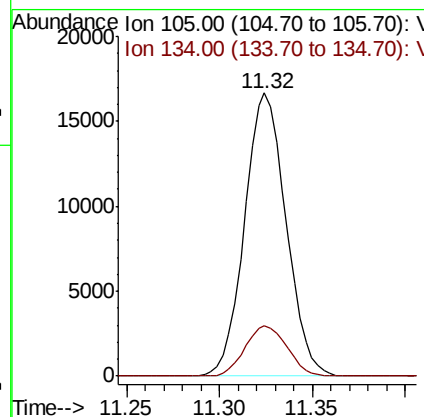
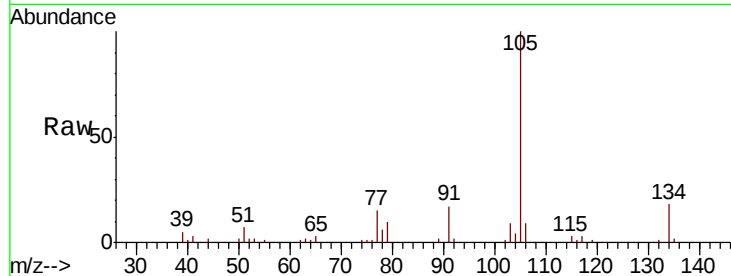
#85
 sec-Butylbenzene
 Concen: 4.529 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.0	9.6	28.6

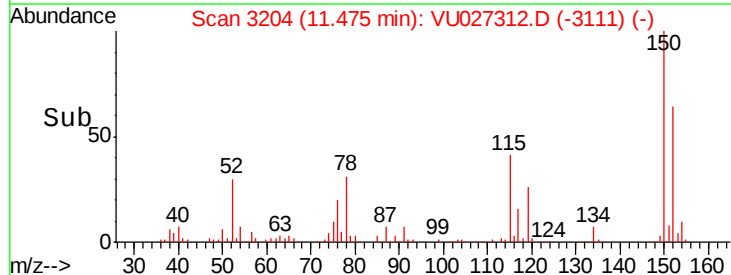
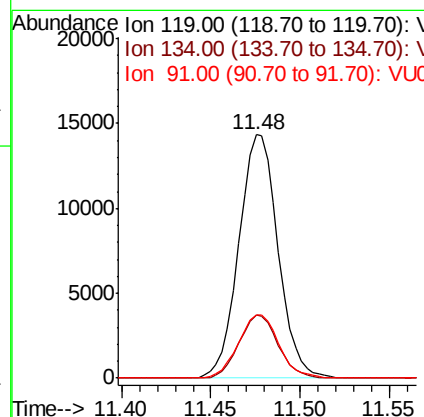
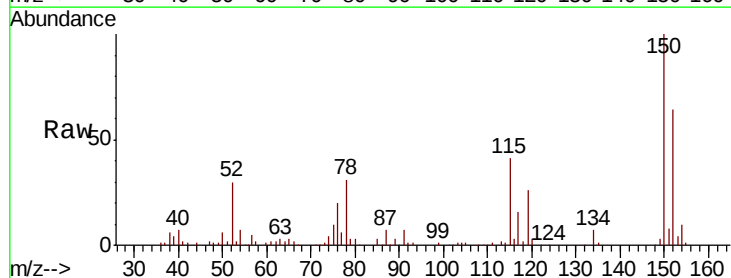
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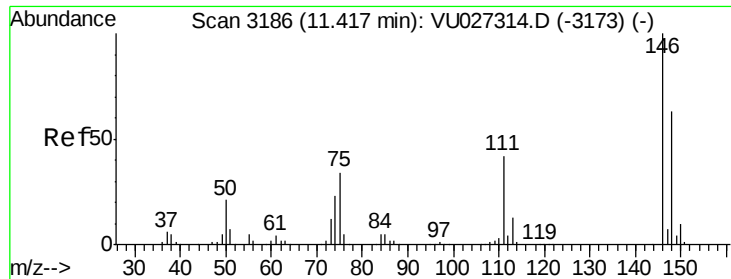
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#86
 p-Isopropyltoluene
 Concen: 4.514 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.7	38.1
91	26.9	12.2	36.4





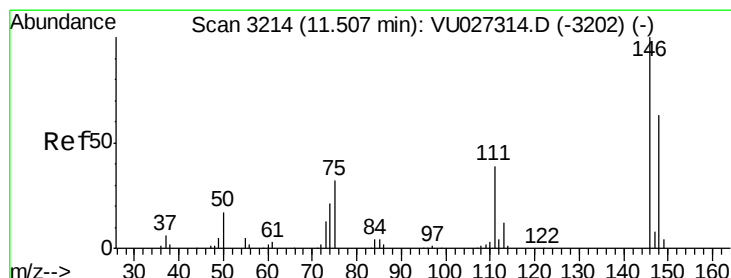
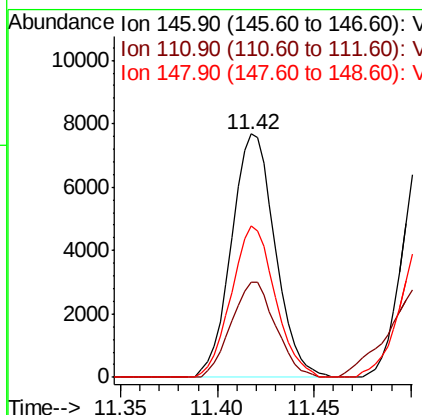
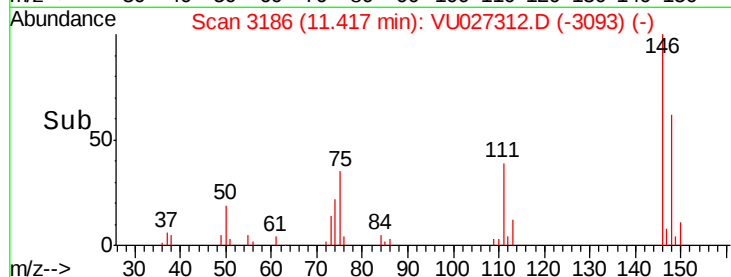
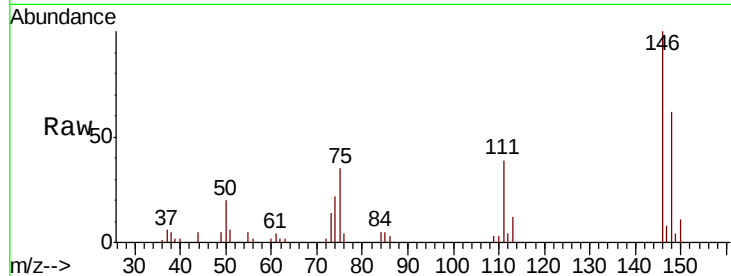
#87
 1,3-Dichlorobenzene
 Concen: 4.762 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.8	62.5
148	62.4	31.6	94.8

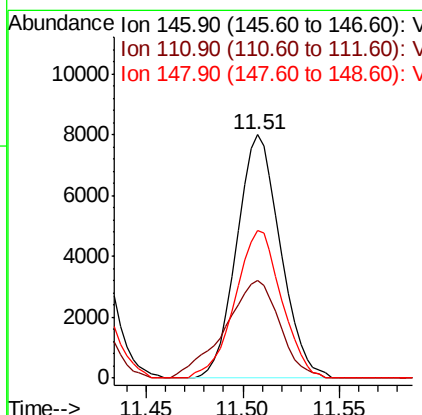
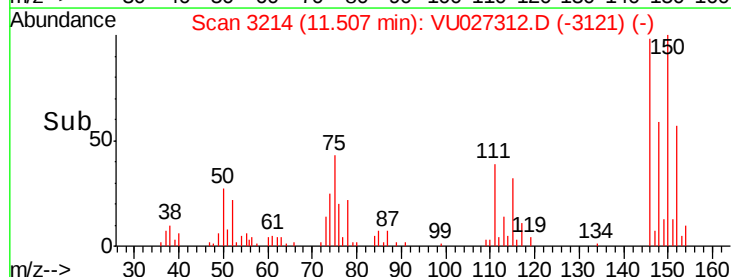
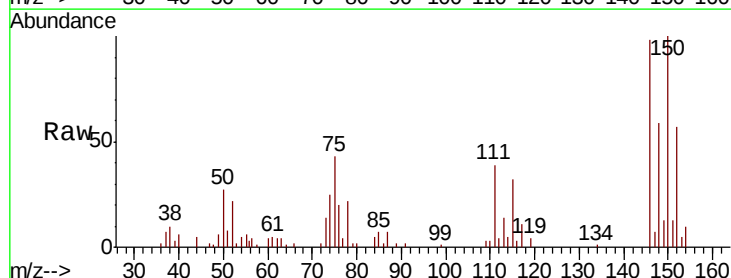
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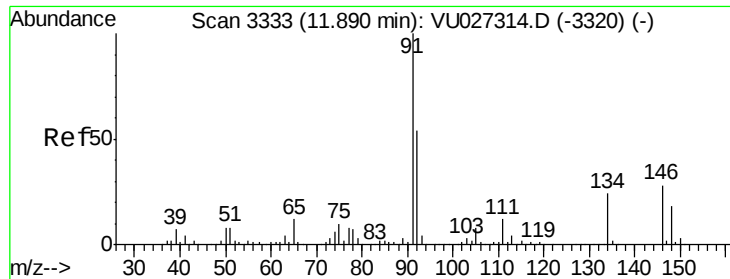
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#88
 1,4-Dichlorobenzene
 Concen: 4.865 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.6	20.4	61.2
148	64.4	31.9	95.5





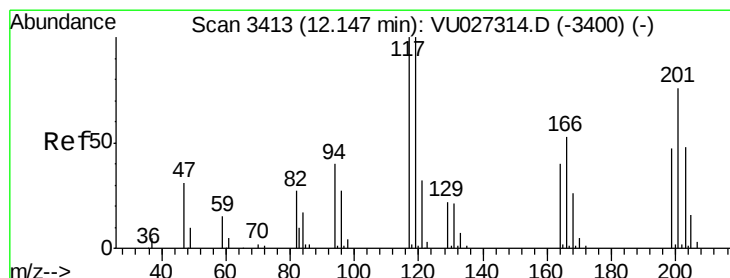
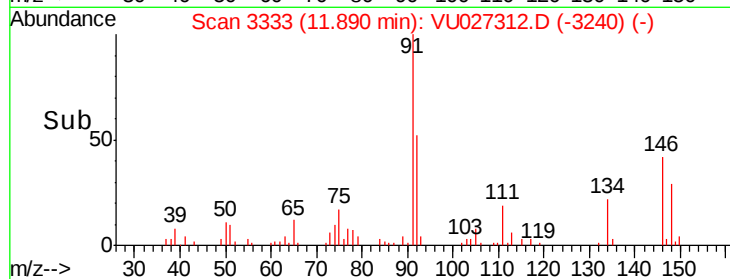
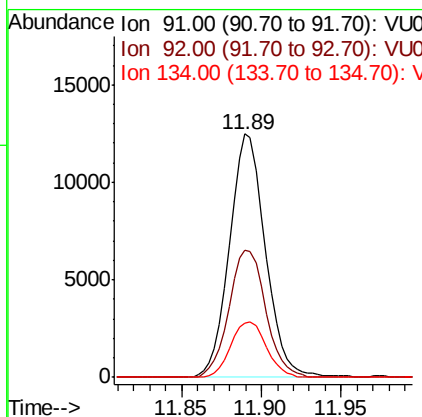
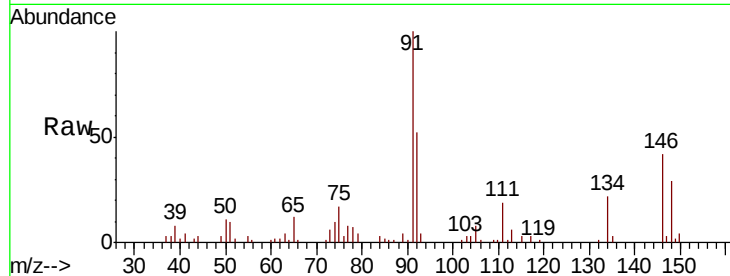
#89
n-Butylbenzene
Concen: 4.184 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	81.0
134	22.5	11.7	35.1

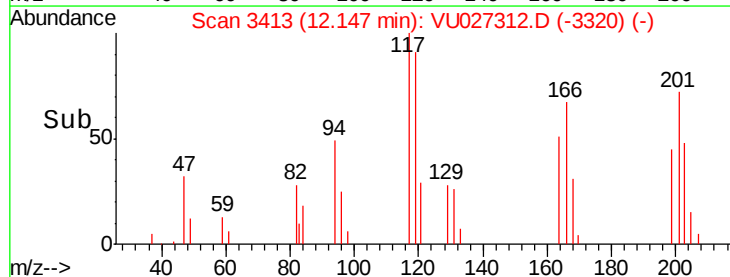
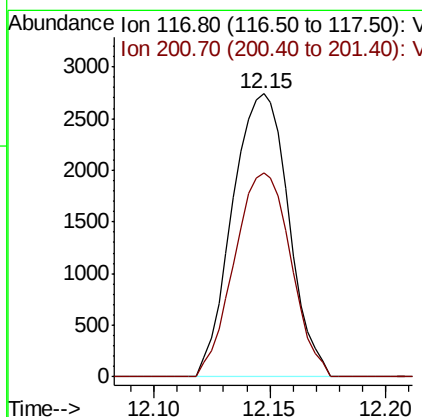
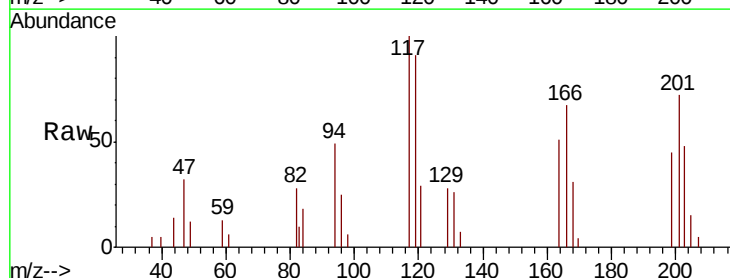
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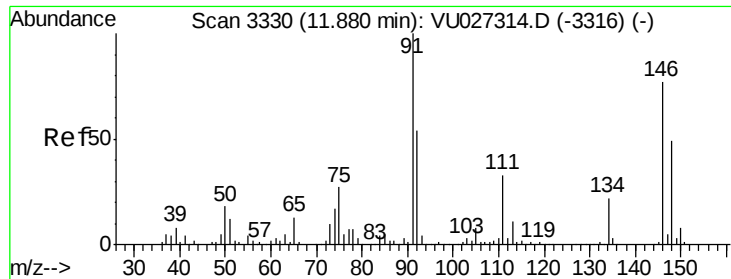
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#90
Hexachloroethane
Concen: 5.015 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.6	37.9	113.6





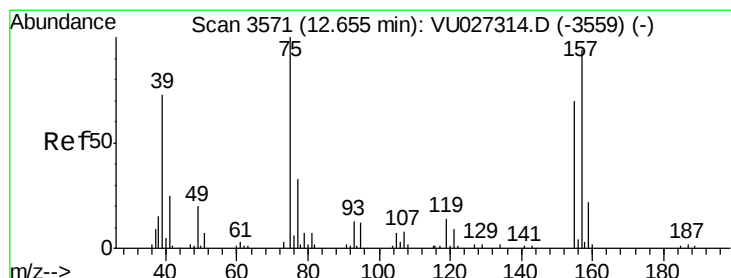
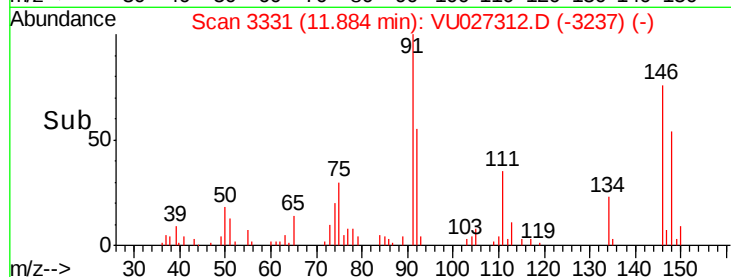
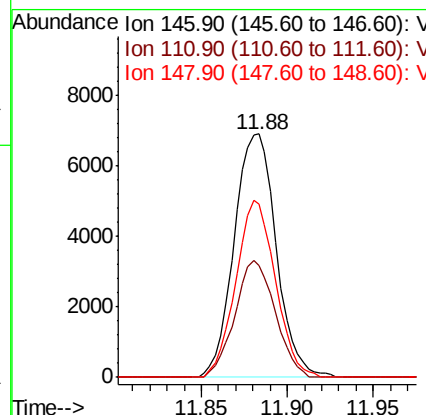
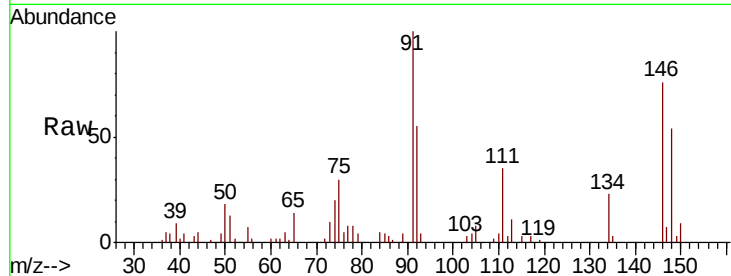
#91
 1,2-Dichlorobenzene
 Concen: 4.796 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.8	65.4
148	68.1	31.9	95.5

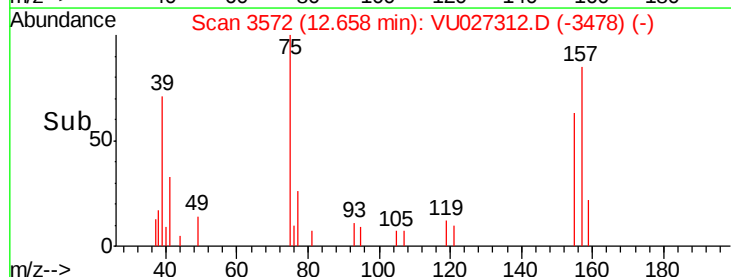
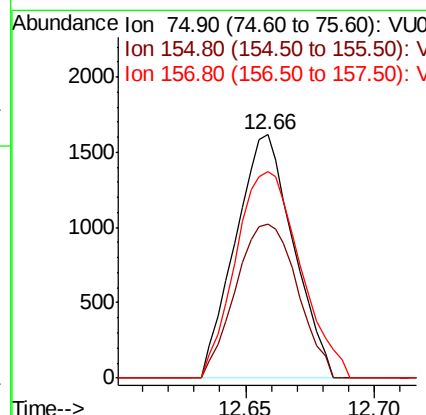
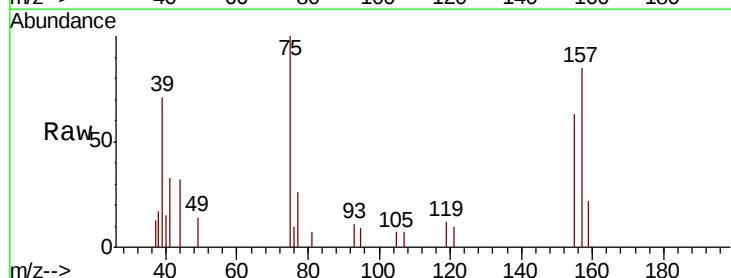
Manual Integrations
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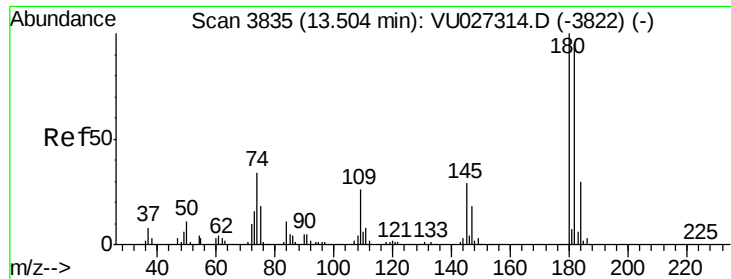
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.057 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.5	35.9	107.8
157	94.8	46.9	140.6





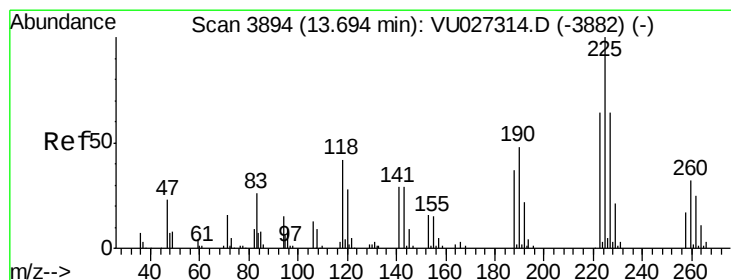
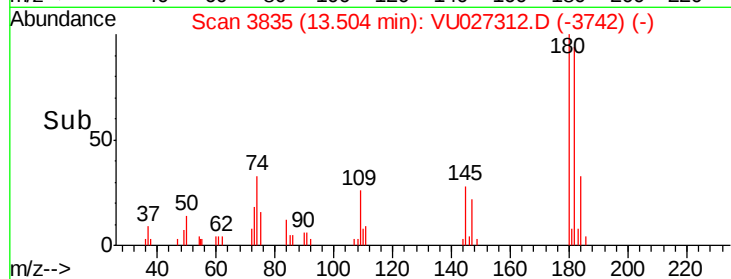
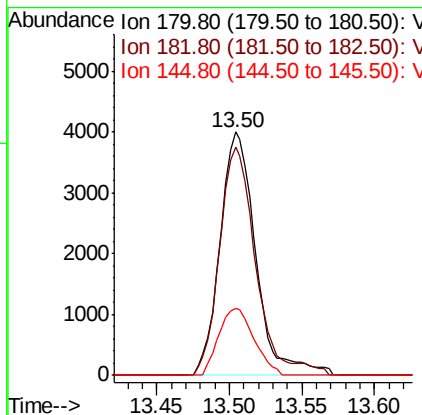
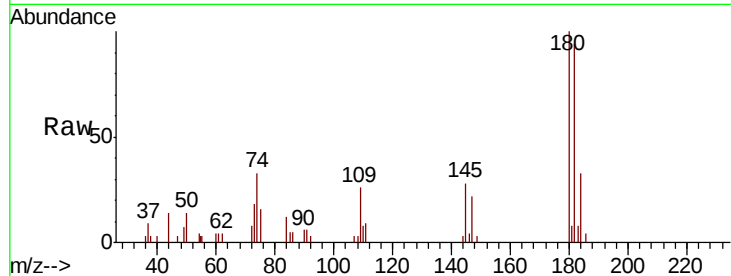
#93
 1,2,4-Trichlorobenzene
 Concen: 4.314 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.3
145	26.9	14.6	44.0

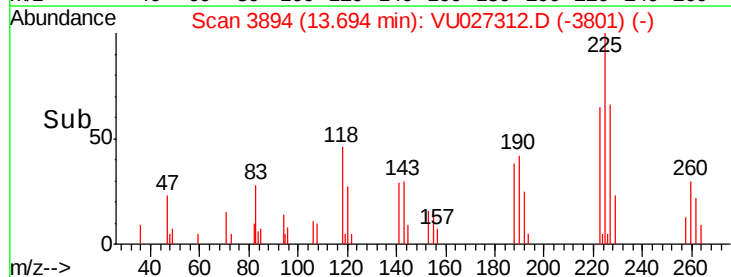
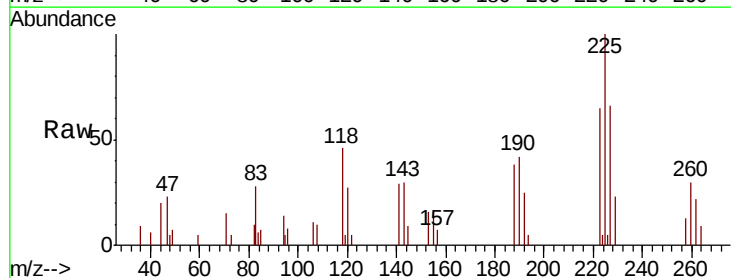
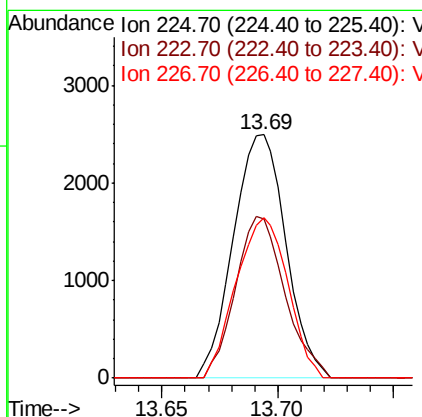
Manual Integrations
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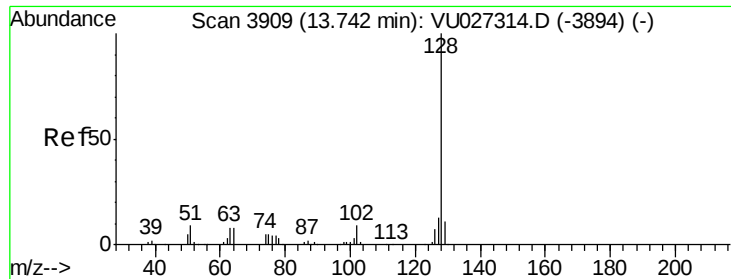
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#94
 Hexachlorobutadiene
 Concen: 4.881 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027312.D
 Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.8	95.3
227	64.7	31.9	95.7





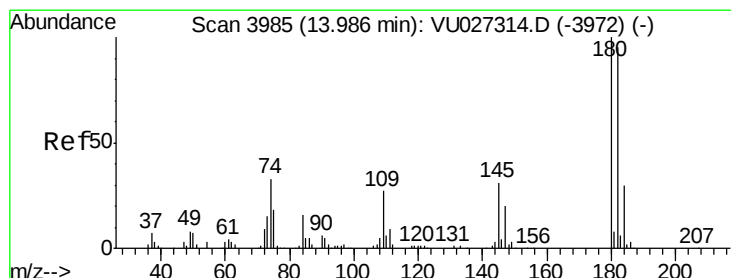
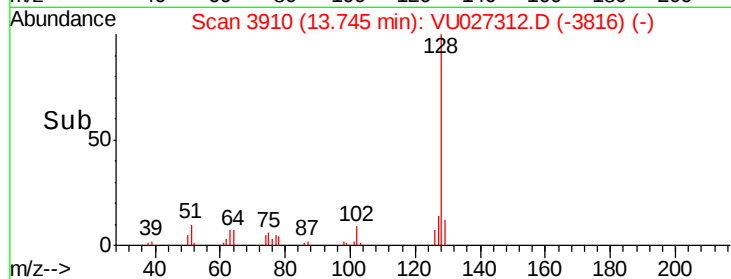
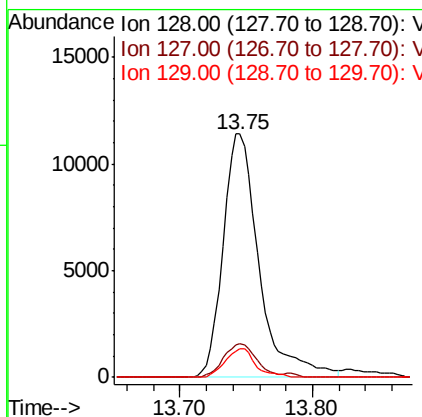
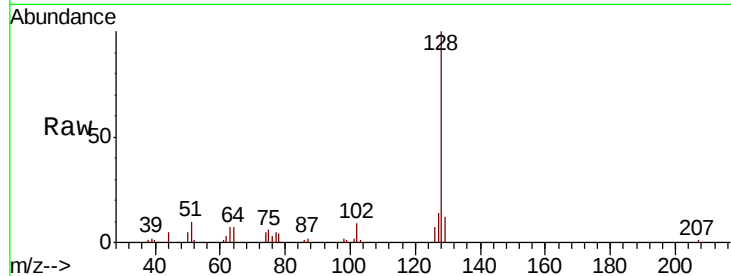
#95
Naphthalene
Concen: 4.038 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	9.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.286 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027312.D
Acq: 01 Oct 2018 10:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.4	142.2
145	32.7	15.9	47.7

